Analytical Resources, Incorporated
Analytical Chemists and Consultants

August 21, 2006

Ben Hung
Anchor Environmental
6650 SW Redwood Lane, #110
Portland, OR 97224

RE: Client Project: 050332-01
ARI Job No. JQ33

Dear Ben:

Please find enclosed the original chain of custody documentation and the final data package for samples from the project referenced above.

Problems associated with these analyses are discussed in the Case Narrative.

An electronic copy of this package will remain on file with ARI. Should you have any questions or problems, please feel free to contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

Susan Dunnihoo
Client Service Manager
sue@arilabs.com
206/695-6207

Enclosures

cc: eFile JQ33

SD/sdrd

Chain of Custody
Documentation

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ33

prepared
by

Analytical Resources, Inc.

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested: 15 business days
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108 x21
Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: 050332-01	Samplers: BH/EA/KT

Page: 2 of 15

Date: 7/21/06 | Ice Present? Yes

No. of Coolers: 19 | Cooler Temps: 1.5 - 5° - SOIL; 26° - 28° - CARBOYS

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	SVOCs (8270M)	TOC	NWTPH-Dx	Grainsize	Pb	Zn	ARCHIVE		Notes/Comments
T4-B414-01-A	7-20-06	0826	Sediment	3	X	X	X	X	X	X			
-B					X	X	X	X	X	X			
-C					X	X	X	X	X	X			
-D											X		ARCHIVE (FREEZE)
-E													
-F													
-G													
-H													
-J													
-K													

Comments/Special Instructions

Relinquished by:	Received by:	Relinquished by:	Received by:
(Signature) [signature]	(Signature) [signature]	(Signature)	(Signature) Bob Congleton
Printed Name: TIM STONE	Printed Name: ART WYNN	Printed Name:	Printed Name: BOB CONGLETON
Company: ANCHOR ENV.	Company: SENVOY	Company:	Company: ARI
Date & Time: 7-21-06 / 1200	Date & Time: 7-21-06 / 1200	Date & Time:	Date & Time: 7/21/06 1635

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

0002

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested: 15 business days
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108 x21
Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: 050332-01	Samplers: BH/EA/KT

Page: 3 of 15

Date: 7/21/06 | Ice Present? YES

No. of Coolers: 19 | Cooler Temps: 1.5 - 5.0° - Soils; 26 - 28° - CARBOYS

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	SVOCs (8270M)	TOC	NWTPH-Dx	Grainsize	Pb	Zn	ARCHIVE		Notes/Comments
T4-B414-02-A	7/19	1355	Sediment	3	X	X	X	X	X	X			
-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			
-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			
-D	↓	↓	↓	↓							X		ARCHIVE
-E	↓	↓	↓	↓							↓		(FREEZE)
-F	↓	↓	↓	↓							↓		↓
-G	↓	↓	↓	↓							↓		↓
-H	↓	↓	↓	↓							↓		↓
-J	↓	↓	↓	↓							↓		↓
-K	↓	↓	↓	↓							↓		↓

Comments/Special Instructions

Relinquished by:	Received by:	Relinquished by:	Received by:
(Signature) Tim Stone	(Signature) [signature]	(Signature)	(Signature) Bob Congleton
Printed Name: TIM STONE	Printed Name: Art Wynn	Printed Name:	Printed Name: BOB CONGLETON
Company: ANCHOR ENV.	Company: SENVOY	Company:	Company: ARI
Date & Time: 7-21-06/1200	Date & Time: 7-21-06/1200	Date & Time:	Date & Time: 7/21/06 1635

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0003

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested: 15 business days
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108 x21
Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: 050332-01	Samplers: BH/EA/KT

Page: 4 of 15

Date: 7/21/06 | Ice Present? Y

No. of Coolers: 19 | Cooler Temps: 1.5 - 5.0° - Soils; 26 - 28° - CARBOYS

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	SVOCs (8270M)	TOC	NWTPH-Dx	Grainsize	Pb	Zn	ARCHIVE		Notes/Comments
T4-B414-03-A	7/20	9:03	Sediment	3	X	X	X	X	X	X			
-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			
-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			
-D	↓	↓	↓	↓							X		ARCHIVE (FREEZE)
-E	↓	↓	↓	↓							↓		↓
-F	↓	↓	↓	↓							↓		↓
-G	↓	↓	↓	↓							↓		↓
-H	↓	↓	↓	↓							↓		↓
-J	↓	↓	↓	↓							↓		↓
-K	↓	↓	↓	↓							↓		↓

Comments/Special Instructions

Relinquished by: (Signature) Tim Stone	Received by: (Signature) [signature]	Relinquished by: (Signature)	Received by: (Signature) Bob Congleton
Printed Name: TIM STONE	Printed Name: ARK WYNN	Printed Name:	Printed Name: BOB CONGLETON
Company: ANCHOR ENV.	Company: SENVOY	Company:	Company: ARI
Date & Time: 7-21-06 / 1200	Date & Time: 7-21-06 / 1200	Date & Time:	Date & Time: 7/24/06 1635

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Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested: 15 business days	Page: 5 of 15	
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108x21	Date: 7/21/06	Ice Present? Y
Client Contact: BEN HUNG		No. of Coolers: 19	Cooler Temps: 1.5-5.0° — SOILS; 2.6-2.8° — CARBOYS
Client Project Name: T4 EARLY ACTION			
Client Project #: 050332-01	Samplers: BH/EA/KT		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: SVOCs (8270M)	TOC	NWTPH-Dx	Grainsize	PP	Zn	Archive (Freeze)		Notes/Comments
T4-B414-04-A	7/20	7:28	Sediment	3	X	X	X	X	X	X			
-B					↓	↓	↓	↓	↓	↓			
-C					↓	↓	↓	↓	↓	↓			
-D											X		ARCHIVE (FREEZE)
-E											↓		↓
-F													
-G													
-H													
-J													
-K	↓	↓	↓	↓									

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: TIM STONE	Printed Name: AMY WYNN	Printed Name:	Printed Name: BOB CONGLETON
	Company: ANCHOR ENV.	Company: SENVOY	Company:	Company: ARI
	Date & Time: 7-21-06/1200	Date & Time: 7-21-06/1200	Date & Time:	Date & Time: 7/21/06 1635

0005

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Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested: 15 business days	Page: 6 of 15	
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108 x21	Date: 7/20/06	Ice Present? Y
Client Contact: BEN HUNG		No. of Coolers: 19	Cooler Temps: 1.5 - 5.0° (SOILS) 2.6 - 2.8° (CARBOYS)
Client Project Name: TH EARLY ACTION			
Client Project #: 050332-01	Samplers: BH/EA/KT		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: SVOCs (8270M)	TOC	NWTPH-Dx	Grainsize	PSD	TOC	Archive (Freeze)		Notes/Comments
TH-53-01 - A	7/18	1500	Sediment	3							X		ARCHIVE (FREEZE)
- B	↓	↓	↓								X		
- C											X		
- D					X	X	X	X	X	X			
- E					↓	↓	↓	↓	↓	↓			
- F													
- G													
- H					↓	↓	↓	↓	↓	↓			
- J											X		
- K	↓	↓	↓								X		

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: ~~ANCHOR ENV~~ TIM STONE	Printed Name: Art Wynn	Printed Name:	Printed Name: BOB Congleton
	Company: ANCHOR ENV.	Company: SENVOY	Company:	Company: ARI
	Date & Time: 7-21-06 / 1200	Date & Time: 7-21-06 / 1200	Date & Time:	Date & Time: 7/21/06

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Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Cooler Receipt Form

ANALYTICAL RESOURCES INCORPORATED

Client: Anchor Enviromental Project Name: T4 EARLY ACTION

NO.: Delivered By: COURIER

king NO.: Date:

Job No.: JQ33 Lims NO.:

iminary Examination Phase: 9 COOLERS W/CARBOYS; 26° – 28° each

1. Were intact, properly signed and dated custody seals attached To the outside of the cooler? ..... YES NO
2. Were custody papers included with the cooler ..... YES NO
3. Were custody papers properly filled out (ink, signed etc.)? ..... YES NO
4. Complete custody forms and attach all shipping documents ..... OK NA

ler Accepted BY: Bob Congles Date: 7/21/06 Time: 1635

-IN Phase: 4 BUCKETS; AMBIENT

5. Was a temperature blank include in the cooler? ..... YES NO
6. Record Cooler Temperature 1.5, 3.5, 2, 1.5, 5, 3, 1.6, 2, 2, 1.5 °C 10 Coolers SOIL
7. What kind of packing material was used? ..... ICE
8. Was sufficient ice used (if appropriate)? ..... YES NO
9. Were all bottles sealed in separate plastic bags? ..... YES NO
10. Did all bottles arrive in good condition (unbroken)? ..... YES NO
11. Were all bottle labels complete and legible? ..... YES NO
12. Did all bottle labels and tags agree with custody papers? ..... YES NO
13. Were all bottles used correct for the requested analyses? ..... YES NO
14. Do any of the analyses (bottles) require preservative? (If so, Preservation checklist must be attached) ..... YES NO
15. Were all VOA vials free of air bubbles? ..... ~~YES NO~~
16. Was sufficient amount of sample sent in each bottle? ..... YES NO
17. Notify Project Manager of any discrepancies or concerns ..... OK NA

r Opened By: Bob Date: 7/21/06 Time 1635

in any discrepancies or negative responses:

CARBOY COOLERS IN CONVENTIONAL WALK-IN.

Case Narrative

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ33

prepared
by

Analytical Resources, Inc.

Case Narrative

Client: Anchor Environmental
Project: 050332-01 T4 Early Action
Matrix: Sediment
ARI Job Nos. JQ33

Some of the samples within delivery groups for this project were analyzed together, and information may be duplicated within data packages.

Sample receipt

Fifty sediment samples were received July 21, 2006 under ARI Job JQ33 as part of a larger shipment. Samples were well iced and the cooler temperatures measured by IR thermometer following ARI SOP were 1.5-5.5° C for chemistry samples which is within recommended limits. Samples were received in good condition with no discrepancies in paperwork. A number of samples were immediately placed on hold, refrigerated for Grainsize aliquots and frozen for chemistry.

Samples were initially to be analyzed either by SIM or Full-scan with combined PAH and Phthalate data to come from one analysis. Due to a preference in the laboratory to run the Phthalates full-scan and target detection limits of 5 ppb for the PAH compounds, samples were analyzed by both methods.

Diesel/Motor Oil Range Hydrocarbons by WDOE NWTPH-Dx

Samples were extracted and analyzed within recommended holding times.

Initial and continuing calibrations were within method requirements.

The method blank was clean and LCS recoveries were within ARI limits.

Surrogates recoveries were within ARI control limits. Due to high target response in several samples, surrogates were diluted below detection. No corrective action is required.

The MS/MSD had recoveries and RPDs within limits.

Several samples required analysis at dilution due to response above the calibrated range of the instrument.

There were no incidents of note.

Semivolatiles by SW8270C

Sediment samples were initially screened to determine if a response was present that would affect sample analysis. Some samples were extracted at lesser weights. Also, due to expected matrix issues with samples based on evaluation of the screens, it was determined that all samples should go through GPC cleanup.

Initial and continuing calibrations were within method requirements.

The method blank was clean at the reporting limit with the exception of Di-n-butylphthalate and Bis-2-ethylhexyl phthalate just above the RL. All associated samples have been 'B'-flagged.

The LCS had recoveries within limits for target compounds.

Surrogates recoveries were within ARI control limits.

The MS/MSD had RPDs within limits but had low recovery of the spiked phthalate. The matrix QC was run with no dilution, but the parent sample required analysis at dilution to bring internal standards into control. The low recovery was attributed to the characteristics of the matrix. No corrective action is required.

Internal standard areas were within method limits with the exception several samples which were rerun at dilution due to obvious matrix effect. All results have been reported here.

There were no other incidents of note.

Semivolatiles by 8270C-Selected Ion Monitoring (SIM)

The semivolatile extract was analyzed by SIM to attempt to reach project action limits. Sediment samples were initially screened to determine if a response was present that would affect sample analysis. Some samples were extracted much at lesser weights. After initial analysis it was determined that many of the samples were highly contaminated and should have been analyzed by full-scan. Because the full-scan extracts did not contain all the appropriate surrogates and spikes, analysis was completed using the SIM extract.

Samples were extracted and analyzed within recommended holding times.

Initial and continuing calibrations were within method requirements.

The method blank was clean at the reporting limit with the exception of Phenanthrene just at the reporting limit. Because sample results were much higher than the method blank, no corrective action was taken. Samples have been "B"-flagged even when results are magnitudes higher than the blank.

LCS recoveries were within ARI limits.

Surrogates recoveries were within ARI control limits.

Internal standard areas were within method limits.

The MS/MSD recoveries and RPDs could not be calculated as results for the compounds in the parent were much greater than the spike added.

Several samples required analysis at dilution due to analytes above the calibrated range of the instrument. Both sets of results have been included in this report.

There were no other incidents of note.

Total Metals

The samples were digested and analyzed within required holding times.

The method blank was clean at the reporting limit with the exception of a small amount of Zinc. Because all sample results were much greater than the concentration in the blank, no corrective action was taken.

The LCS recoveries were within limits.

The SRM had recoveries within limits.

Duplicate RPDs were within limits.

The matrix spikes had recoveries within limits.

There were no other incidents of note.

General Chemistry Parameters

Total Organic Carbon

Samples were prepared and analyzed within the required holding time.

The method blanks were clean and the LCS samples had recoveries within limits.

The triplicate had RPD within limits.

The batch matrix spike had recoveries within limits.

Standard reference recoveries were within limits.

There were no incidents of note.

Geotechnical Parameters

A geotechnical specific narratives follow this page.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Client: Anchor Environmental	ARI Project No.: JQ33
Client Project No.: T4 Early Action - 050332-01	

Case Narrative

1. Seventeen samples were received on July 21, 2006, and were in good condition. The samples were submitted for grain size distribution, according to ASTM D422. The samples were prepared according to ASTM D421 (dry prep).
2. The samples contained organic material such as twigs, roots, etc. that broke down during the analysis and may have affected the reported grin size distribution.
3. An assumed specific gravity of 2.65 was used in the calculations.
4. A standard milkshake mixer type device was used to disperse the samples.
5. There were no further anomalies in the samples or test method.
6. The data is provided in summary tables and plots.

Approved by: Guerra Smith Date: August 4, 2006
Title: Lead Technician

4611 South 134th Place, Suite 100 • Tukwila WA 98168 • **206-695-6200** • **206-695-6201** fax

Data Reporting Qualifiers

Effective 12/28/04

Inorganic Data

U Indicates that the target analyte was not detected at the reported concentration

* Duplicate RPD is not within established control limits

B Reported value is less than the CRDL but ≥ the Reporting Limit

N Matrix Spike recovery not within established control limits

NA Not Applicable, analyte not spiked

H The natural concentration of the spiked element is so much greater than the concentration spiked that an accurate determination of spike recovery is not possible

L Analyte concentration is ≤5 times the Reporting Limit and the replicate control limit defaults to ±1 RL instead of the normal 20% RPD

Organic Data

U Indicates that the target analyte was not detected at the reported concentration

* Flagged value is not within established control limits

B Analyte detected in an associated Method Blank at a concentration greater than one-half of ARI's Reporting Limit or 5% of the regulatory limit or 5% of the analyte concentration in the sample.

J Estimated concentration when the value is less than ARI's established reporting limits

D The spiked compound was not detected due to sample extract dilution

NR Spiked compound recovery is not reported due to chromatographic interference

E Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

S Indicates an analyte response that has saturated the detector. The calculated concentration is not valid; a dilution is required to obtain valid quantification of the analyte

NA The flagged analyte was not analyzed for

NS	The flagged analyte was not spiked into the sample
M	Estimated value for an analyte detected and confirmed by an analyst but with low spectral match parameters. This flag is used only for GC-MS analyses
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification"
Y	The analyte is not detected at or above the reported concentration. The reporting limit is raised due to chromatographic interference. The Y flag is equivalent to the U flag with a raised reporting limit.
C	The analyte was positively identified on only one of two chromatographic columns. Chromatographic interference prevented a positive identification on the second column
P	The analyte was detected on both chromatographic columns but the quantified values differ by ≥40% RPD with no obvious chromatographic interference

Geotechnical Data

A	The total of all fines fractions. This flag is used to report total fines when only sieve analysis is requested and balances total grain size with sample weight.
F	Samples were frozen prior to particle size determination
SM	Sample matrix was not appropriate for the requested analysis. This normally refers to samples contaminated with an organic product that interferes with the sieving process and/or moisture content, porosity and saturation calculations
SS	Sample did not contain the proportion of "fines" required to perform the pipette portion of the grain size analysis
W	Weight of sample in some pipette aliquots was below the level required for accurate weighting

Data Summary Package

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ33

prepared
by

Analytical Resources, Inc.

SIM SEMIVOLATILES

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS

Sample ID: T4-B414-01-A
SAMPLE

Lab Sample ID: JQ33A
LIMS ID: 06-12923
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 15:22
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 20.0
Percent Moisture: 44.8%
pH: 7.1

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	98	1,100	
91-57-6	2-Methylnaphthalene	98	3,200	
90-12-0	1-Methylnaphthalene	98	1,300	
208-96-8	Acenaphthylene	98	< 98	U
83-32-9	Acenaphthene	98	13,000	E
86-73-7	Fluorene	98	9,800	
85-01-8	Phenanthrene	98	52,000	EB
120-12-7	Anthracene	98	13,000	E
206-44-0	Fluoranthene	98	73,000	E
129-00-0	Pyrene	98	52,000	E
56-55-3	Benzo(a)anthracene	98	42,000	E
218-01-9	Chrysene	98	54,000	E
205-99-2	Benzo(b)fluoranthene	98	73,000	E
207-08-9	Benzo(k)fluoranthene	98	35,000	E
50-32-8	Benzo(a)pyrene	98	54,000	E
193-39-5	Indeno(1,2,3-cd)pyrene	98	28,000	E
53-70-3	Dibenz(a,h)anthracene	98	11,000	E
191-24-2	Benzo(g,h,i)perylene	98	27,000	E
198-55-0	Perylene	98	18,000	E
92-52-4	Biphenyl	98	770	
581-42-0	2,6-Dimethylnaphthalene	98	830	
832-69-9	1-Methylphenanthrene	98	2,300	
192-97-2	Benzo(e)pyrene	98	37,000	E
2245-38-7	2,3,5-Trimethylnaphthalene	98	210	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	87.3%
d14-Dibenzo(a,h)anthracen	66.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-01-A
DILUTION

Lab Sample ID: JQ33A
LIMS ID: 06-12923
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/07/06 12:05
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 400
Percent Moisture: 44.8%
pH: 7.1

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	2,000	< 2,000 U
91-57-6	**2-Methylnaphthalene**	**2,000**	**2,900**
90-12-0	1-Methylnaphthalene	2,000	< 2,000 U
208-96-8	Acenaphthylene	2,000	< 2,000 U
83-32-9	**Acenaphthene**	**2,000**	**12,000**
86-73-7	**Fluorene**	**2,000**	**8,600**
85-01-8	**Phenanthrene**	**2,000**	**60,000 B**
120-12-7	**Anthracene**	**2,000**	**11,000**
206-44-0	**Fluoranthene**	**2,000**	**97,000**
129-00-0	**Pyrene**	**2,000**	**67,000**
56-55-3	**Benzo(a)anthracene**	**2,000**	**46,000**
218-01-9	**Chrysene**	**2,000**	**60,000**
205-99-2	**Benzo(b)fluoranthene**	**2,000**	**63,000**
207-08-9	**Benzo(k)fluoranthene**	**2,000**	**52,000**
50-32-8	**Benzo(a)pyrene**	**2,000**	**54,000**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2,000**	**35,000**
53-70-3	**Dibenz(a,h)anthracene**	**2,000**	**15,000**
191-24-2	**Benzo(g,h,i)perylene**	**2,000**	**38,000**
198-55-0	**Perylene**	**2,000**	**16,000**
92-52-4	Biphenyl	2,000	< 2,000 U
581-42-0	2,6-Dimethylnaphthalene	2,000	< 2,000 U
832-69-9	**1-Methylphenanthrene**	**2,000**	**2,400**
192-97-2	**Benzo(e)pyrene**	**2,000**	**37,000**
2245-38-7	2,3,5-Trimethylnaphthalene	2,000	< 2,000 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	D
d14-Dibenzo(a,h)anthracen	D

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Sample ID: T4-B414-01-B
SAMPLE

Lab Sample ID: JQ33B
LIMS ID: 06-12924
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 15:47
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 48.2%
pH: 7.2

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	50	74
91-57-6	**2-Methylnaphthalene**	50	89
90-12-0	**1-Methylnaphthalene**	50	50
208-96-8	Acenaphthylene	50	< 50 U
83-32-9	**Acenaphthene**	50	410
86-73-7	**Fluorene**	50	260
85-01-8	**Phenanthrene**	50	2,000 B
120-12-7	**Anthracene**	50	350
206-44-0	**Fluoranthene**	50	3,900
129-00-0	**Pyrene**	50	3,000
56-55-3	**Benzo(a)anthracene**	50	2,100
218-01-9	**Chrysene**	50	2,800
205-99-2	**Benzo(b)fluoranthene**	50	3,000
207-08-9	**Benzo(k)fluoranthene**	50	2,300
50-32-8	**Benzo(a)pyrene**	50	2,600
193-39-5	**Indeno(1,2,3-cd)pyrene**	50	1,700
53-70-3	**Dibenz(a,h)anthracene**	50	540
191-24-2	**Benzo(g,h,i)perylene**	50	1,900
198-55-0	**Perylene**	50	890
92-52-4	**Biphenyl**	50	150
581-42-0	2,6-Dimethylnaphthalene	50	< 50 U
832-69-9	**1-Methylphenanthrene**	50	110
192-97-2	**Benzo(e)pyrene**	50	1,800
2245-38-7	**2,3,5-Trimethylnaphthalene**	50	50

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	58.7%
d14-Dibenzo(a,h)anthracen	61.0%

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Sample ID: T4-B414-01-C
SAMPLE

Lab Sample ID: JQ33C
LIMS ID: 06-12925
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 16:12
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 46.4%
pH: 7.1

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**49**	**39 J**
91-57-6	**2-Methylnaphthalene**	**49**	**34 J**
90-12-0	1-Methylnaphthalene	49	< 49 U
208-96-8	Acenaphthylene	49	< 49 U
83-32-9	**Acenaphthene**	**49**	**130**
86-73-7	**Fluorene**	**49**	**100**
85-01-8	**Phenanthrene**	**49**	**720 B**
120-12-7	**Anthracene**	**49**	**130**
206-44-0	**Fluoranthene**	**49**	**1,400**
129-00-0	**Pyrene**	**49**	**1,200**
56-55-3	**Benzo(a)anthracene**	**49**	**720**
218-01-9	**Chrysene**	**49**	**1,000**
205-99-2	**Benzo(b)fluoranthene**	**49**	**1,100**
207-08-9	**Benzo(k)fluoranthene**	**49**	**850**
50-32-8	**Benzo(a)pyrene**	**49**	**890**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**49**	**570**
53-70-3	**Dibenz(a,h)anthracene**	**49**	**220**
191-24-2	**Benzo(g,h,i)perylene**	**49**	**660**
198-55-0	**Perylene**	**49**	**510**
92-52-4	**Biphenyl**	**49**	**150**
581-42-0	2,6-Dimethylnaphthalene	49	< 49 U
832-69-9	**1-Methylphenanthrene**	**49**	**64**
192-97-2	**Benzo(e)pyrene**	**49**	**640**
2245-38-7	2,3,5-Trimethylnaphthalene	49	< 49 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	55.0%
d14-Dibenzo(a,h)anthracen	71.7%

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Sample ID: T4-B414-02-A
SAMPLE

Lab Sample ID: JQ33D
LIMS ID: 06-12926
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 16:37
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 49.7%
pH: 7.2

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	50	180
91-57-6	**2-Methylnaphthalene**	50	89
90-12-0	**1-Methylnaphthalene**	50	50
208-96-8	Acenaphthylene	50	< 50 U
83-32-9	**Acenaphthene**	50	540
86-73-7	**Fluorene**	50	220
85-01-8	**Phenanthrene**	50	1,900 B
120-12-7	**Anthracene**	50	310
206-44-0	**Fluoranthene**	50	3,900
129-00-0	**Pyrene**	50	3,000
56-55-3	**Benzo(a)anthracene**	50	1,800
218-01-9	**Chrysene**	50	2,600
205-99-2	**Benzo(b)fluoranthene**	50	2,800
207-08-9	**Benzo(k)fluoranthene**	50	2,200
50-32-8	**Benzo(a)pyrene**	50	2,400
193-39-5	**Indeno(1,2,3-cd)pyrene**	50	1,500
53-70-3	**Dibenz(a,h)anthracene**	50	510
191-24-2	**Benzo(g,h,i)perylene**	50	1,700
198-55-0	**Perylene**	50	870
92-52-4	**Biphenyl**	50	150
581-42-0	2,6-Dimethylnaphthalene	50	< 50 U
832-69-9	**1-Methylphenanthrene**	50	110
192-97-2	**Benzo(e)pyrene**	50	1,600
2245-38-7	**2,3,5-Trimethylnaphthalene**	50	54

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	60.3%
d14-Dibenzo(a,h)anthracen	82.0%

ANALYTICAL RESOURCES INCORPORATED

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Sample ID: T4-B414-02-B
SAMPLE

Lab Sample ID: JQ33E
LIMS ID: 06-12927
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/08/06 11:32
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 49.4%
pH: 7.2

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	5.0	34	
91-57-6	2-Methylnaphthalene	5.0	15	
90-12-0	1-Methylnaphthalene	5.0	9.4	
208-96-8	Acenaphthylene	5.0	8.9	
83-32-9	Acenaphthene	5.0	40	
86-73-7	Fluorene	5.0	25	
85-01-8	Phenanthrene	5.0	150	B
120-12-7	Anthracene	5.0	27	
206-44-0	Fluoranthene	5.0	220	
129-00-0	Pyrene	5.0	200	
56-55-3	Benzo(a)anthracene	5.0	85	
218-01-9	Chrysene	5.0	120	
205-99-2	Benzo(b)fluoranthene	5.0	110	
207-08-9	Benzo(k)fluoranthene	5.0	96	
50-32-8	Benzo(a)pyrene	5.0	100	
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	62	
53-70-3	Dibenz(a,h)anthracene	5.0	23	
191-24-2	Benzo(g,h,i)perylene	5.0	76	
198-55-0	Perylene	5.0	220	
92-52-4	Biphenyl	5.0	6.4	
581-42-0	2,6-Dimethylnaphthalene	5.0	13	
832-69-9	1-Methylphenanthrene	5.0	17	
192-97-2	Benzo(e)pyrene	5.0	74	
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	10	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	66.0%
d14-Dibenzo(a,h)anthracen	65.3%

ANALYTICAL RESOURCES INCORPORATED

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Sample ID: T4-B414-02-C
SAMPLE

Lab Sample ID: JQ33F
LIMS ID: 06-12928
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 17:26
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 48.2%
pH: 7.0

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**50**	**40 J**
91-57-6	2-Methylnaphthalene	50	< 50 U
90-12-0	1-Methylnaphthalene	50	< 50 U
208-96-8	Acenaphthylene	50	< 50 U
83-32-9	**Acenaphthene**	**50**	**99**
86-73-7	**Fluorene**	**50**	**64**
85-01-8	**Phenanthrene**	**50**	**440 B**
120-12-7	**Anthracene**	**50**	**79**
206-44-0	**Fluoranthene**	**50**	**940**
129-00-0	**Pyrene**	**50**	**760**
56-55-3	**Benzo(a)anthracene**	**50**	**470**
218-01-9	**Chrysene**	**50**	**630**
205-99-2	**Benzo(b)fluoranthene**	**50**	**710**
207-08-9	**Benzo(k)fluoranthene**	**50**	**590**
50-32-8	**Benzo(a)pyrene**	**50**	**630**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**50**	**330**
53-70-3	**Dibenz(a,h)anthracene**	**50**	**110**
191-24-2	**Benzo(g,h,i)perylene**	**50**	**350**
198-55-0	**Perylene**	**50**	**410**
92-52-4	**Biphenyl**	**50**	**150**
581-42-0	2,6-Dimethylnaphthalene	50	< 50 U
832-69-9	**1-Methylphenanthrene**	**50**	**54**
192-97-2	**Benzo(e)pyrene**	**50**	**440**
2245-38-7	2,3,5-Trimethylnaphthalene	50	< 50 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	68.3%
d14-Dibenzo(a,h)anthracen	59.0%

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Sample ID: T4-B414-03-A
SAMPLE

Lab Sample ID: JQ33G
LIMS ID: 06-12929
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 17:51
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.0 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 49.8%
pH: 7.1

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	**50**	**65**	
91-57-6	**2-Methylnaphthalene**	**50**	**60**	
90-12-0	**1-Methylnaphthalene**	**50**	**30**	**J**
208-96-8	Acenaphthylene	50	< 50	U
83-32-9	**Acenaphthene**	**50**	**210**	
86-73-7	**Fluorene**	**50**	**150**	
85-01-8	**Phenanthrene**	**50**	**1,300**	**B**
120-12-7	**Anthracene**	**50**	**230**	
206-44-0	**Fluoranthene**	**50**	**2,700**	
129-00-0	**Pyrene**	**50**	**2,000**	
56-55-3	**Benzo(a)anthracene**	**50**	**1,300**	
218-01-9	**Chrysene**	**50**	**1,800**	
205-99-2	**Benzo(b)fluoranthene**	**50**	**2,100**	
207-08-9	**Benzo(k)fluoranthene**	**50**	**1,500**	
50-32-8	**Benzo(a)pyrene**	**50**	**1,600**	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**50**	**910**	
53-70-3	**Dibenz(a,h)anthracene**	**50**	**380**	
191-24-2	**Benzo(g,h,i)perylene**	**50**	**950**	
198-55-0	**Perylene**	**50**	**620**	
92-52-4	Biphenyl	50	< 50	U
581-42-0	2,6-Dimethylnaphthalene	50	< 50	U
832-69-9	**1-Methylphenanthrene**	**50**	**65**	
192-97-2	**Benzo(e)pyrene**	**50**	**1,200**	
2245-38-7	2,3,5-Trimethylnaphthalene	50	< 50	U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	73.0%
d14-Dibenzo(a,h)anthracen	70.3%

ANALYTICAL RESOURCES INCORPORATED

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Sample ID: T4-B414-03-B
SAMPLE

Lab Sample ID: JQ33H
LIMS ID: 06-12930
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 18:16
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.4 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 50.4%
pH: 7.0

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**48**	**82**
91-57-6	**2-Methylnaphthalene**	**48**	**48**
90-12-0	1-Methylnaphthalene	48	< 48 U
208-96-8	Acenaphthylene	48	< 48 U
83-32-9	**Acenaphthene**	**48**	**210**
86-73-7	**Fluorene**	**48**	**130**
85-01-8	**Phenanthrene**	**48**	**1,200 B**
120-12-7	**Anthracene**	**48**	**190**
206-44-0	**Fluoranthene**	**48**	**2,300**
129-00-0	**Pyrene**	**48**	**1,800**
56-55-3	**Benzo(a)anthracene**	**48**	**1,100**
218-01-9	**Chrysene**	**48**	**1,600**
205-99-2	**Benzo(b)fluoranthene**	**48**	**1,600**
207-08-9	**Benzo(k)fluoranthene**	**48**	**1,300**
50-32-8	**Benzo(a)pyrene**	**48**	**1,400**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**48**	**780**
53-70-3	**Dibenz(a,h)anthracene**	**48**	**290**
191-24-2	**Benzo(g,h,i)perylene**	**48**	**810**
198-55-0	**Perylene**	**48**	**630**
92-52-4	Biphenyl	48	< 48 U
581-42-0	2,6-Dimethylnaphthalene	48	< 48 U
832-69-9	**1-Methylphenanthrene**	**48**	**67**
192-97-2	**Benzo(e)pyrene**	**48**	**1,000**
2245-38-7	2,3,5-Trimethylnaphthalene	48	< 48 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	73.7%
d14-Dibenzo(a,h)anthracen	67.3%

ANALYTICAL RESOURCES INCORPORATED

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Sample ID: T4-B414-03-C
SAMPLE

Lab Sample ID: JQ33I
LIMS ID: 06-12931
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 18:40
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 49.7%
pH: 7.2

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	5.0	17
91-57-6	2-Methylnaphthalene	5.0	8.9
90-12-0	1-Methylnaphthalene	5.0	6.4
208-96-8	Acenaphthylene	5.0	6.4
83-32-9	Acenaphthene	5.0	43
86-73-7	Fluorene	5.0	28
85-01-8	Phenanthrene	5.0	130 B
120-12-7	Anthracene	5.0	26
206-44-0	Fluoranthene	5.0	230
129-00-0	Pyrene	5.0	210
56-55-3	Benzo(a)anthracene	5.0	110
218-01-9	Chrysene	5.0	150
205-99-2	Benzo(b)fluoranthene	5.0	140
207-08-9	Benzo(k)fluoranthene	5.0	140
50-32-8	Benzo(a)pyrene	5.0	140
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	65
53-70-3	Dibenz(a,h)anthracene	5.0	23
191-24-2	Benzo(g,h,i)perylene	5.0	74
198-55-0	Perylene	5.0	200
92-52-4	Biphenyl	5.0	< 5.0 U
581-42-0	2,6-Dimethylnaphthalene	5.0	9.4
832-69-9	1-Methylphenanthrene	5.0	11
192-97-2	Benzo(e)pyrene	5.0	93
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	5.4

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	64.3%
d14-Dibenzo(a,h)anthracen	51.3%

ANALYTICAL RESOURCES INCORPORATED

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Sample ID: T4-B414-04-A
SAMPLE

Lab Sample ID: JQ33J
LIMS ID: 06-12932
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 19:05
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.0 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 52.3%
pH: 7.2

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	5.0	28
91-57-6	2-Methylnaphthalene	5.0	14
90-12-0	1-Methylnaphthalene	5.0	8.0
208-96-8	Acenaphthylene	5.0	12
83-32-9	Acenaphthene	5.0	32
86-73-7	Fluorene	5.0	27
85-01-8	Phenanthrene	5.0	160 B
120-12-7	Anthracene	5.0	40
206-44-0	Fluoranthene	5.0	350
129-00-0	Pyrene	5.0	320
56-55-3	Benzo(a)anthracene	5.0	170
218-01-9	Chrysene	5.0	230
205-99-2	Benzo(b)fluoranthene	5.0	220
207-08-9	Benzo(k)fluoranthene	5.0	170
50-32-8	Benzo(a)pyrene	5.0	190
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	80
53-70-3	Dibenz(a,h)anthracene	5.0	28
191-24-2	Benzo(g,h,i)perylene	5.0	86
198-55-0	Perylene	5.0	220
92-52-4	Biphenyl	5.0	5.0
581-42-0	2,6-Dimethylnaphthalene	5.0	12
832-69-9	1-Methylphenanthrene	5.0	< 5.0 U
192-97-2	Benzo(e)pyrene	5.0	130
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	7.0

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	74.7%
d14-Dibenzo(a,h)anthracen	51.7%

ANALYTICAL RESOURCES INCORPORATED

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Sample ID: T4-B414-04-B
SAMPLE

Lab Sample ID: JQ33K
LIMS ID: 06-12933
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 19:30
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 47.1%
pH: 7.1

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	5.0	15
91-57-6	2-Methylnaphthalene	5.0	8.9
90-12-0	1-Methylnaphthalene	5.0	4.5 J
208-96-8	Acenaphthylene	5.0	5.9
83-32-9	Acenaphthene	5.0	25
86-73-7	Fluorene	5.0	19
85-01-8	Phenanthrene	5.0	140 B
120-12-7	Anthracene	5.0	30
206-44-0	Fluoranthene	5.0	300
129-00-0	Pyrene	5.0	240
56-55-3	Benzo(a)anthracene	5.0	140
218-01-9	Chrysene	5.0	200
205-99-2	Benzo(b)fluoranthene	5.0	200
207-08-9	Benzo(k)fluoranthene	5.0	180
50-32-8	Benzo(a)pyrene	5.0	180
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	75
53-70-3	Dibenz(a,h)anthracene	5.0	29
191-24-2	Benzo(g,h,i)perylene	5.0	80
198-55-0	Perylene	5.0	200
92-52-4	Biphenyl	5.0	< 5.0 U
581-42-0	2,6-Dimethylnaphthalene	5.0	7.4
832-69-9	1-Methylphenanthrene	5.0	12
192-97-2	Benzo(e)pyrene	5.0	120
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	5.4

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	66.3%
d14-Dibenzo(a,h)anthracen	47.3%

ANALYTICAL RESOURCES INCORPORATED

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PNAs by SW8270D-SIM GC/MS
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Sample ID: T4-B414-04-C
SAMPLE

Lab Sample ID: JQ33L
LIMS ID: 06-12934
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 19:55
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 49.3%
pH: 7.1

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**50**	**69**
91-57-6	**2-Methylnaphthalene**	**50**	**30 J**
90-12-0	1-Methylnaphthalene	50	< 50 U
208-96-8	Acenaphthylene	50	< 50 U
83-32-9	**Acenaphthene**	**50**	**89**
86-73-7	**Fluorene**	**50**	**59**
85-01-8	**Phenanthrene**	**50**	**420 B**
120-12-7	**Anthracene**	**50**	**79**
206-44-0	**Fluoranthene**	**50**	**720**
129-00-0	**Pyrene**	**50**	**590**
56-55-3	**Benzo(a)anthracene**	**50**	**350**
218-01-9	**Chrysene**	**50**	**480**
205-99-2	**Benzo(b)fluoranthene**	**50**	**520**
207-08-9	**Benzo(k)fluoranthene**	**50**	**380**
50-32-8	**Benzo(a)pyrene**	**50**	**430**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**50**	**200**
53-70-3	**Dibenz(a,h)anthracene**	**50**	**89**
191-24-2	**Benzo(g,h,i)perylene**	**50**	**210**
198-55-0	**Perylene**	**50**	**330**
92-52-4	Biphenyl	50	< 50 U
581-42-0	2,6-Dimethylnaphthalene	50	< 50 U
832-69-9	1-Methylphenanthrene	50	< 50 U
192-97-2	**Benzo(e)pyrene**	**50**	**310**
2245-38-7	2,3,5-Trimethylnaphthalene	50	< 50 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	73.3%
d14-Dibenzo(a,h)anthracen	68.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS

Sample ID: T4-S3-01-D
SAMPLE

Lab Sample ID: JQ33M
LIMS ID: 06-12935
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/07/06 16:38
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 49.1%
pH: 7.1

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	49	440	
91-57-6	2-Methylnaphthalene	49	240	
90-12-0	1-Methylnaphthalene	49	130	
208-96-8	Acenaphthylene	49	74	
83-32-9	Acenaphthene	49	2,100	
86-73-7	Fluorene	49	1,100	
85-01-8	Phenanthrene	49	8,900	EB
120-12-7	Anthracene	49	2,000	
206-44-0	Fluoranthene	49	19,000	E
129-00-0	Pyrene	49	16,000	E
56-55-3	Benzo(a)anthracene	49	12,000	E
218-01-9	Chrysene	49	14,000	E
205-99-2	Benzo(b)fluoranthene	49	14,000	E
207-08-9	Benzo(k)fluoranthene	49	12,000	E
50-32-8	Benzo(a)pyrene	49	16,000	E
193-39-5	Indeno(1,2,3-cd)pyrene	49	8,200	E
53-70-3	Dibenz(a,h)anthracene	49	2,800	
191-24-2	Benzo(g,h,i)perylene	49	8,600	E
198-55-0	Perylene	49	4,500	
92-52-4	Biphenyl	49	59	
581-42-0	2,6-Dimethylnaphthalene	49	110	
832-69-9	1-Methylphenanthrene	49	480	
192-97-2	Benzo(e)pyrene	49	9,400	E
2245-38-7	2,3,5-Trimethylnaphthalene	49	130	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	64.3%
d14-Dibenzo(a,h)anthracen	81.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
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Sample ID: T4-S3-01-D
DILUTION

Lab Sample ID: JQ33M
LIMS ID: 06-12935
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 20:19
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 50.0
Percent Moisture: 49.1%
pH: 7.1

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	**240**	**420**	
91-57-6	**2-Methylnaphthalene**	**240**	**220**	**J**
90-12-0	**1-Methylnaphthalene**	**240**	**120**	**J**
208-96-8	Acenaphthylene	240	< 240	U
83-32-9	**Acenaphthene**	**240**	**2,000**	
86-73-7	**Fluorene**	**240**	**1,100**	
85-01-8	**Phenanthrene**	**240**	**8,700**	**B**
120-12-7	**Anthracene**	**240**	**1,900**	
206-44-0	**Fluoranthene**	**240**	**19,000**	
129-00-0	**Pyrene**	**240**	**16,000**	
56-55-3	**Benzo(a)anthracene**	**240**	**11,000**	
218-01-9	**Chrysene**	**240**	**14,000**	
205-99-2	**Benzo(b)fluoranthene**	**240**	**15,000**	
207-08-9	**Benzo(k)fluoranthene**	**240**	**14,000**	
50-32-8	**Benzo(a)pyrene**	**240**	**16,000**	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**240**	**6,900**	
53-70-3	**Dibenz(a,h)anthracene**	**240**	**2,500**	
191-24-2	**Benzo(g,h,i)perylene**	**240**	**7,300**	
198-55-0	**Perylene**	**250**	**4,300**	
92-52-4	Biphenyl	250	< 250	U
581-42-0	2,6-Dimethylnaphthalene	240	< 240	U
832-69-9	**1-Methylphenanthrene**	**240**	**560**	
192-97-2	**Benzo(e)pyrene**	**240**	**9,500**	
2245-38-7	2,3,5-Trimethylnaphthalene	240	< 240	U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	D
d14-Dibenzo(a,h)anthracen	D

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Sample ID: T4-S3-01-E
SAMPLE

Lab Sample ID: JQ33N
LIMS ID: 06-12936
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/07/06 17:03
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.3 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 48.8%
pH: 6.9

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	48	720	
91-57-6	2-Methylnaphthalene	48	420	
90-12-0	1-Methylnaphthalene	48	190	
208-96-8	Acenaphthylene	48	73	
83-32-9	Acenaphthene	48	5,000	E
86-73-7	Fluorene	48	2,000	
85-01-8	Phenanthrene	48	16,000	EB
120-12-7	Anthracene	48	4,300	
206-44-0	Fluoranthene	48	32,000	E
129-00-0	Pyrene	48	26,000	E
56-55-3	Benzo(a)anthracene	48	22,000	E
218-01-9	Chrysene	48	24,000	E
205-99-2	Benzo(b)fluoranthene	48	34,000	E
207-08-9	Benzo(k)fluoranthene	48	20,000	E
50-32-8	Benzo(a)pyrene	48	30,000	E
193-39-5	Indeno(1,2,3-cd)pyrene	48	12,000	E
53-70-3	Dibenz(a,h)anthracene	48	4,300	
191-24-2	Benzo(g,h,i)perylene	48	12,000	E
198-55-0	Perylene	49	8,900	E
92-52-4	Biphenyl	49	78	
581-42-0	2,6-Dimethylnaphthalene	48	150	
832-69-9	1-Methylphenanthrene	48	950	
192-97-2	Benzo(e)pyrene	48	18,000	E
2245-38-7	2,3,5-Trimethylnaphthalene	48	150	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	65.3%
d14-Dibenzo(a,h)anthracen	76.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS

Sample ID: T4-S3-01-E
DILUTION

Lab Sample ID: JQ33N
LIMS ID: 06-12936
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 20:44
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.3 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 100
Percent Moisture: 48.8%
pH: 6.9

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**480**	**730**
91-57-6	**2-Methylnaphthalene**	**480**	**390 J**
90-12-0	1-Methylnaphthalene	480	< 480 U
208-96-8	Acenaphthylene	480	< 480 U
83-32-9	**Acenaphthene**	**480**	**4,700**
86-73-7	**Fluorene**	**480**	**1,900**
85-01-8	**Phenanthrene**	**480**	**16,000 B**
120-12-7	**Anthracene**	**480**	**4,000**
206-44-0	**Fluoranthene**	**480**	**38,000**
129-00-0	**Pyrene**	**480**	**33,000**
56-55-3	**Benzo(a)anthracene**	**480**	**25,000**
218-01-9	**Chrysene**	**480**	**28,000**
205-99-2	**Benzo(b)fluoranthene**	**480**	**34,000**
207-08-9	**Benzo(k)fluoranthene**	**480**	**27,000**
50-32-8	**Benzo(a)pyrene**	**480**	**34,000**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**480**	**15,000**
53-70-3	**Dibenz(a,h)anthracene**	**480**	**5,200**
191-24-2	**Benzo(g,h,i)perylene**	**480**	**16,000**
198-55-0	**Perylene**	**490**	**9,400**
92-52-4	Biphenyl	490	< 490 U
581-42-0	2,6-Dimethylnaphthalene	480	< 480 U
832-69-9	**1-Methylphenanthrene**	**480**	**1,000**
192-97-2	**Benzo(e)pyrene**	**480**	**19,000**
2245-38-7	2,3,5-Trimethylnaphthalene	480	< 480 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	D
d14-Dibenzo(a,h)anthracen	D

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-S3-01-F**
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Lab Sample ID: JQ330
LIMS ID: 06-12937
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 21:09
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 1.01 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 20.0
Percent Moisture: 49.8%
pH: 7.0

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	**990**	**990**	
91-57-6	**2-Methylnaphthalene**	**990**	**590**	**J**
90-12-0	1-Methylnaphthalene	990	< 990	U
208-96-8	Acenaphthylene	990	< 990	U
83-32-9	**Acenaphthene**	**990**	**6,200**	
86-73-7	**Fluorene**	**990**	**2,800**	
85-01-8	**Phenanthrene**	**990**	**24,000**	**B**
120-12-7	**Anthracene**	**990**	**5,700**	
206-44-0	**Fluoranthene**	**990**	**53,000**	
129-00-0	**Pyrene**	**990**	**47,000**	
56-55-3	**Benzo(a)anthracene**	**990**	**34,000**	
218-01-9	**Chrysene**	**990**	**39,000**	
205-99-2	**Benzo(b)fluoranthene**	**990**	**44,000**	
207-08-9	**Benzo(k)fluoranthene**	**990**	**38,000**	
50-32-8	**Benzo(a)pyrene**	**990**	**45,000**	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**990**	**19,000**	
53-70-3	**Dibenz(a,h)anthracene**	**990**	**8,100**	
191-24-2	**Benzo(g,h,i)perylene**	**990**	**20,000**	
198-55-0	**Perylene**	**990**	**12,000**	
92-52-4	Biphenyl	990	< 990	U
581-42-0	2,6-Dimethylnaphthalene	990	< 990	U
832-69-9	**1-Methylphenanthrene**	**990**	**1,600**	
192-97-2	**Benzo(e)pyrene**	**990**	**26,000**	
2245-38-7	2,3,5-Trimethylnaphthalene	990	< 990	U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	60.7%
d14-Dibenzo(a,h)anthracen	54.7%

ANALYTICAL RESOURCES INCORPORATED

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Sample ID: T4-S3-01-G
SAMPLE

Lab Sample ID: JQ33P
LIMS ID: 06-12938
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 21:33
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 1.12 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 44.6%
pH: 7.0

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**450**	**620**
91-57-6	**2-Methylnaphthalene**	**450**	**360 J**
90-12-0	1-Methylnaphthalene	450	< 450 U
208-96-8	Acenaphthylene	450	< 450 U
83-32-9	**Acenaphthene**	**450**	**4,200**
86-73-7	**Fluorene**	**450**	**2,000**
85-01-8	**Phenanthrene**	**450**	**15,000 B**
120-12-7	**Anthracene**	**450**	**3,500**
206-44-0	**Fluoranthene**	**450**	**31,000**
129-00-0	**Pyrene**	**450**	**27,000**
56-55-3	**Benzo(a)anthracene**	**450**	**19,000**
218-01-9	**Chrysene**	**450**	**22,000**
205-99-2	**Benzo(b)fluoranthene**	**450**	**26,000**
207-08-9	**Benzo(k)fluoranthene**	**450**	**22,000**
50-32-8	**Benzo(a)pyrene**	**450**	**26,000**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**450**	**11,000**
53-70-3	**Dibenz(a,h)anthracene**	**450**	**4,300**
191-24-2	**Benzo(g,h,i)perylene**	**450**	**12,000**
198-55-0	**Perylene**	**450**	**7,100**
92-52-4	Biphenyl	450	< 450 U
581-42-0	2,6-Dimethylnaphthalene	450	< 450 U
832-69-9	**1-Methylphenanthrene**	**450**	**890**
192-97-2	**Benzo(e)pyrene**	**450**	**15,000**
2245-38-7	2,3,5-Trimethylnaphthalene	450	< 450 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	64.7%
d14-Dibenzo(a,h)anthracen	42.3%

ANALYTICAL RESOURCES INCORPORATED

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Sample ID: T4-S3-01-H
SAMPLE

Lab Sample ID: JQ33Q
LIMS ID: 06-12939
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/07/06 17:28
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 1.10 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 20.0
Percent Moisture: 45.6%
pH: 7.1

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**910**	**1,700**
91-57-6	**2-Methylnaphthalene**	**910**	**1,000**
90-12-0	**1-Methylnaphthalene**	**910**	**460 J**
208-96-8	Acenaphthylene	910	< 910 U
83-32-9	**Acenaphthene**	**910**	**8,700**
86-73-7	**Fluorene**	**910**	**3,400**
85-01-8	**Phenanthrene**	**910**	**29,000 B**
120-12-7	**Anthracene**	**910**	**6,900**
206-44-0	**Fluoranthene**	**910**	**64,000**
129-00-0	**Pyrene**	**910**	**56,000**
56-55-3	**Benzo(a)anthracene**	**910**	**42,000**
218-01-9	**Chrysene**	**910**	**49,000**
205-99-2	**Benzo(b)fluoranthene**	**910**	**51,000**
207-08-9	**Benzo(k)fluoranthene**	**910**	**50,000**
50-32-8	**Benzo(a)pyrene**	**910**	**57,000**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**910**	**28,000**
53-70-3	**Dibenz(a,h)anthracene**	**910**	**9,900**
191-24-2	**Benzo(g,h,i)perylene**	**910**	**29,000**
198-55-0	**Perylene**	**910**	**15,000**
92-52-4	Biphenyl	910	< 910 U
581-42-0	2,6-Dimethylnaphthalene	910	< 910 U
832-69-9	**1-Methylphenanthrene**	**910**	**2,000**
192-97-2	**Benzo(e)pyrene**	**910**	**32,000**
2245-38-7	2,3,5-Trimethylnaphthalene	910	< 910 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	64.0%
d14-Dibenzo(a,h)anthracen	91.3%

0037

ANALYTICAL RESOURCES INCORPORATED

SIM SW8270 SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	MNP	DBA	TOT OUT
T4-B414-01-A	87.3%	66.7%	0
T4-B414-01-A DL	D	D	0
T4-B414-01-B	58.7%	61.0%	0
T4-B414-01-C	55.0%	71.7%	0
MB-072706	49.3%	57.7%	0
LCS-072706	55.7%	58.3%	0
T4-B414-02-A	60.3%	82.0%	0
T4-B414-02-A MS	64.3%	51.0%	0
T4-B414-02-A MSD	64.3%	68.3%	0
T4-B414-02-B	66.0%	65.3%	0
T4-B414-02-C	68.3%	59.0%	0
T4-B414-03-A	73.0%	70.3%	0
T4-B414-03-B	73.7%	67.3%	0
T4-B414-03-C	64.3%	51.3%	0
T4-B414-04-A	74.7%	51.7%	0
T4-B414-04-B	66.3%	47.3%	0
T4-B414-04-C	73.3%	68.0%	0
T4-S3-01-D	64.3%	81.0%	0
T4-S3-01-D DL	D	D	0
T4-S3-01-E	65.3%	76.7%	0
T4-S3-01-E DL	D	D	0
T4-S3-01-F	60.7%	54.7%	0
T4-S3-01-G	64.7%	42.3%	0
T4-S3-01-H	64.0%	91.3%	0

	LCS/MB LIMITS	QC LIMITS
(MNP) = d10-2-Methylnaphthalene	(38-94)	(32-97)
(DBA) = d14-Dibenzo(a,h)anthracene	(27-116)	(21-105)

Prep Method: SW3550B
Log Number Range: 06-12923 to 06-12939

FORM-II SIM SW8270

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-02-A
MATRIX SPIKE

Lab Sample ID: JQ33D
LIMS ID: 06-12926
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted MS/MSD: 07/27/06

Date Analyzed MS: 08/04/06 17:01
MSD: 08/07/06 16:13
Instrument/Analyst MS: FINN1/YZ
MSD: FINN3/YZ

Sample Amount MS: 10.1 g-dry-wt
MSD: 10.1 g-dry-wt
Final Extract Volume MS: 0.50 mL
MSD: 0.50 mL
Dilution Factor MS: 10.0
MSD: 10.0

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Phenanthrene	1910 B	574 B	149	NA	842 B	149	NA	NA
Chrysene	2560	881	149	NA	1060	149	NA	NA
Benzo(k)fluoranthene	2230	703	149	NA	891	149	NA	NA

Reported in µg/kg (ppb)

NA-No recovery due to high concentration of analyte in original sample, calculated negative recovery, or undetected spike.
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-02-A
MATRIX SPIKE

Lab Sample ID: JQ33D
LIMS ID: 06-12926
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 17:01
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 49.7%
pH: 7.2

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**50**	**35 J**
91-57-6	**2-Methylnaphthalene**	**50**	**25 J**
90-12-0	1-Methylnaphthalene	50	< 50 U
208-96-8	Acenaphthylene	50	< 50 U
83-32-9	**Acenaphthene**	**50**	**79**
86-73-7	**Fluorene**	**50**	**59**
85-01-8	Phenanthrene	50	---
120-12-7	**Anthracene**	**50**	**99**
206-44-0	**Fluoranthene**	**50**	**1,000**
129-00-0	**Pyrene**	**50**	**940**
56-55-3	**Benzo(a)anthracene**	**50**	**530**
218-01-9	Chrysene	50	---
205-99-2	**Benzo(b)fluoranthene**	**50**	**790**
207-08-9	Benzo(k)fluoranthene	50	---
50-32-8	**Benzo(a)pyrene**	**50**	**710**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**50**	**310**
53-70-3	**Dibenz(a,h)anthracene**	**50**	**130**
191-24-2	**Benzo(g,h,i)perylene**	**50**	**360**
198-55-0	**Perylene**	**50**	**330**
92-52-4	Biphenyl	50	< 50 U
581-42-0	2,6-Dimethylnaphthalene	50	< 50 U
832-69-9	1-Methylphenanthrene	50	< 50 U
192-97-2	**Benzo(e)pyrene**	**50**	**510**
2245-38-7	2,3,5-Trimethylnaphthalene	50	< 50 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	64.3%
d14-Dibenzo(a,h)anthracen	51.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS

Sample ID: T4-B414-02-A
MATRIX SPIKE DUPLICATE

Lab Sample ID: JQ33D
LIMS ID: 06-12926
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/07/06 16:13
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 49.7%
pH: 7.2

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**50**	**35 J**
91-57-6	**2-Methylnaphthalene**	**50**	**30 J**
90-12-0	1-Methylnaphthalene	50	< 50 U
208-96-8	Acenaphthylene	50	< 50 U
83-32-9	**Acenaphthene**	**50**	**120**
86-73-7	**Fluorene**	**50**	**79**
85-01-8	Phenanthrene	50	---
120-12-7	**Anthracene**	**50**	**130**
206-44-0	**Fluoranthene**	**50**	**1,400**
129-00-0	**Pyrene**	**50**	**1,100**
56-55-3	**Benzo(a)anthracene**	**50**	**700**
218-01-9	Chrysene	50	---
205-99-2	**Benzo(b)fluoranthene**	**50**	**1,000**
207-08-9	Benzo(k)fluoranthene	50	---
50-32-8	**Benzo(a)pyrene**	**50**	**870**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**50**	**560**
53-70-3	**Dibenz(a,h)anthracene**	**50**	**220**
191-24-2	**Benzo(g,h,i)perylene**	**50**	**670**
198-55-0	**Perylene**	**50**	**390**
92-52-4	Biphenyl	50	< 50 U
581-42-0	2,6-Dimethylnaphthalene	50	< 50 U
832-69-9	1-Methylphenanthrene	50	< 50 U
192-97-2	**Benzo(e)pyrene**	**50**	**610**
2245-38-7	2,3,5-Trimethylnaphthalene	50	< 50 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	64.3%
d14-Dibenzo(a,h)anthracen	68.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: LCS-072706
LAB CONTROL SAMPLE

Lab Sample ID: LCS-072706
LIMS ID: 06-12926
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 07/27/06
Date Analyzed LCS: 08/04/06 14:33
Instrument/Analyst LCS: FINN1/YZ

Sample Amount LCS: 10.0 g-dry-wt
Final Extract Volume LCS: 0.50 mL
Dilution Factor LCS: 1.00

Analyte	LCS	Spike Added	Recovery
Naphthalene	75.5	150	50.3%
1-Methylnaphthalene	73.5	150	49.0%
Acenaphthylene	75.5	150	50.3%
Acenaphthene	85.0	150	56.7%
Fluorene	83.0	150	55.3%
Phenanthrene	85.0	150	56.7%
Anthracene	76.0	150	50.7%
Fluoranthene	81.0	150	54.0%
Pyrene	80.0	150	53.3%
Benzo(a)anthracene	76.0	150	50.7%
Chrysene	82.0	150	54.7%
Benzo(b)fluoranthene	80.0	150	53.3%
Benzo(k)fluoranthene	88.0	150	58.7%
Benzo(a)pyrene	73.0	150	48.7%
Indeno(1,2,3-cd)pyrene	75.5	150	50.3%
Dibenz(a,h)anthracene	77.5	150	51.7%
Benzo(g,h,i)perylene	81.5	150	54.3%

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	55.7%
d14-Dibenzo(a,h)anthracen	58.3%

4B

SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

JQ33MBS1

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Lab File ID: JQ33MB Date Extracted: 07/27/06

Instrument ID: NT1 Date Analyzed: 08/04/06

Matrix: SOLID Time Analyzed: 1408

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	JQ33LCSS1	JQ33LCSS1	JQ33SB	08/04/06
02	T4-B414-01-A	JQ33A	JQ33A20	08/04/06
03	T4-B414-01-B	JQ33B	JQ33B10	08/04/06
04	T4-B414-01-C	JQ33C	JQ33C10	08/04/06
05	T4-B414-02-A	JQ33D	JQ33D10	08/04/06
06	T4-B414-02-A MS	JQ33DMS	JQ33DMS	08/04/06
07	T4-B414-02-C	JQ33F	JQ33F10	08/04/06
08	T4-B414-03-A	JQ33G	JQ33G10	08/04/06
09	T4-B414-03-B	JQ33H	JQ33H10	08/04/06
10	T4-B414-03-C	JQ33I	JQ33I	08/04/06
11	T4-B414-04-A	JQ33J	JQ33J	08/04/06
12	T4-B414-04-B	JQ33K	JQ33K	08/04/06
13	T4-B414-04-C	JQ33L	JQ33L10	08/04/06
14	T4-S3-01-D	JQ33M	JQ33M50	08/04/06
15	T4-S3-01-E	JQ33N	JQ33N100	08/04/06
16	T4-S3-01-F	JQ33O	JQ33O20	08/04/06
17	T4-S3-01-G	JQ33P	JQ33P10	08/04/06
18	T4-B414-01-A	JQ33A	JQ33A400	08/07/06
19	T4-B414-02-A MSD	JQ33DMSD	JQ33DMSD	08/07/06
20	T4-S3-01-D	JQ33M	JQ33M10	08/07/06
21	T4-S3-01-E	JQ33N	JQ33N	08/07/06
22	T4-S3-01-H	JQ33Q	JQ33Q	08/07/06
23	T4-B414-02-B	JQ33E	JQ33E	08/08/06
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM IV SV

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: MB-072706
METHOD BLANK

Lab Sample ID: MB-072706
LIMS ID: 06-12926
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 14:08
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.0 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: NA
pH: NA

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	5.0	< 5.0 U
90-12-0	1-Methylnaphthalene	5.0	< 5.0 U
208-96-8	Acenaphthylene	5.0	< 5.0 U
83-32-9	Acenaphthene	5.0	< 5.0 U
86-73-7	Fluorene	5.0	< 5.0 U
85-01-8	**Phenanthrene**	**5.0**	**5.5**
120-12-7	Anthracene	5.0	< 5.0 U
206-44-0	Fluoranthene	5.0	< 5.0 U
129-00-0	Pyrene	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	5.0	< 5.0 U
218-01-9	Chrysene	5.0	< 5.0 U
205-99-2	Benzo(b)fluoranthene	5.0	< 5.0 U
207-08-9	Benzo(k)fluoranthene	5.0	< 5.0 U
50-32-8	Benzo(a)pyrene	5.0	< 5.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	< 5.0 U
53-70-3	Dibenz(a,h)anthracene	5.0	< 5.0 U
191-24-2	Benzo(g,h,i)perylene	5.0	< 5.0 U
198-55-0	Perylene	5.0	< 5.0 U
92-52-4	Biphenyl	5.0	< 5.0 U
581-42-0	2,6-Dimethylnaphthalene	5.0	< 5.0 U
832-69-9	1-Methylphenanthrene	5.0	< 5.0 U
192-97-2	Benzo(e)pyrene	5.0	< 5.0 U
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	< 5.0 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	49.3%
d14-Dibenzo(a,h)anthracen	57.7%

SEMIVOLATILE ORGANICS

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-01-A**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ33A
LIMS ID: 06-12923
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/03/06 08:51
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Percent Moisture: 44.8%
pH: 7.1

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	100	< 100 U
84-66-2	Diethylphthalate	100	< 100 U
84-74-2	Di-n-Butylphthalate	100	< 100 U
85-68-7	Butylbenzylphthalate	100	< 100 U
117-81-7	bis(2-Ethylhexyl)phthalate	100	< 100 U
117-84-0	Di-n-Octyl phthalate	100	< 100 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	38.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-01-A**
Page 1 of 1 **DILUTION**

Lab Sample ID: JQ33A
LIMS ID: 06-12923
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/08/06 22:24
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 20.0
Percent Moisture: 44.8%
pH: 7.1

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	400	< 400 U
84-66-2	Diethylphthalate	400	< 400 U
84-74-2	Di-n-Butylphthalate	400	< 400 U
85-68-7	Butylbenzylphthalate	400	< 400 U
117-81-7	bis(2-Ethylhexyl)phthalate	400	< 400 U
117-84-0	Di-n-Octyl phthalate	400	< 400 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	54.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-01-B**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ33B
LIMS ID: 06-12924
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/01/06 17:03
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 48.2%
pH: 7.2

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	**Di-n-Butylphthalate**	**20**	**38 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**56 B**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	50.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-01-C**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ33C
LIMS ID: 06-12925
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/01/06 17:34
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 46.4%
pH: 7.1

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	**Di-n-Butylphthalate**	**20**	**31 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**130 B**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	52.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-02-A**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ33D
LIMS ID: 06-12926
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/01/06 18:04
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 49.7%
pH: 7.2

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	**Di-n-Butylphthalate**	**20**	**20 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**68 B**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	54.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-02-B**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ33E
LIMS ID: 06-12927
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/01/06 18:35
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 49.4%
pH: 7.2

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	**Di-n-Butylphthalate**	**20**	**60 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**33 B**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	52.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-02-C**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ33F
LIMS ID: 06-12928
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/01/06 19:06
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 48.2%
pH: 7.0

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	**Diethylphthalate**	**20**	**14 J**
84-74-2	**Di-n-Butylphthalate**	**20**	**49 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**97 B**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	48.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-03-A**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ33G
LIMS ID: 06-12929
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/01/06 19:36
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 49.8%
pH: 7.1

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**79 B**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	58.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-03-B**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ33H
LIMS ID: 06-12930
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/01/06 20:07
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 50.4%
pH: 7.0

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	**Di-n-Butylphthalate**	**20**	**27 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**36 B**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	46.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-03-C**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ33I
LIMS ID: 06-12931
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/01/06 20:38
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 49.7%
pH: 7.2

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	**Di-n-Butylphthalate**	**20**	**20 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**46 B**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	47.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-04-A**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ33J
LIMS ID: 06-12932
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/01/06 21:08
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 52.3%
pH: 7.2

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	**Di-n-Butylphthalate**	**20**	**39 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**83 B**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	50.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-04-B**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ33K
LIMS ID: 06-12933
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/01/06 21:39
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 47.1%
pH: 7.1

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	**Di-n-Butylphthalate**	**20**	**36 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**36 B**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	61.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-04-C**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ33L
LIMS ID: 06-12934
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/01/06 22:10
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 49.3%
pH: 7.1

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**47 B**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	54.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-01-D**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ33M
LIMS ID: 06-12935
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/03/06 09:52
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Percent Moisture: 49.1%
pH: 7.1

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	99	< 99 U
84-66-2	Diethylphthalate	99	< 99 U
84-74-2	Di-n-Butylphthalate	99	< 99 U
85-68-7	Butylbenzylphthalate	99	< 99 U
117-81-7	bis(2-Ethylhexyl)phthalate	99	< 99 U
117-84-0	Di-n-Octyl phthalate	99	< 99 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	27.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-01-D**
Page 1 of 1 **DILUTION**

Lab Sample ID: JQ33M
LIMS ID: 06-12935
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/08/06 22:55
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 20.0
Percent Moisture: 49.1%
pH: 7.1

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	390	< 390 U
84-66-2	Diethylphthalate	390	< 390 U
84-74-2	Di-n-Butylphthalate	390	< 390 U
85-68-7	Butylbenzylphthalate	390	< 390 U
117-81-7	bis(2-Ethylhexyl)phthalate	390	< 390 U
117-84-0	Di-n-Octyl phthalate	390	< 390 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	37.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-01-E**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ33N
LIMS ID: 06-12936
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/03/06 10:53
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Percent Moisture: 48.8%
pH: 6.9

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	99	< 99 U
84-66-2	Diethylphthalate	99	< 99 U
84-74-2	Di-n-Butylphthalate	99	< 99 U
85-68-7	Butylbenzylphthalate	99	< 99 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**99**	**180 B**
117-84-0	Di-n-Octyl phthalate	99	< 99 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	30.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-01-E**
Page 1 of 1 **DILUTION**

Lab Sample ID: JQ33N
LIMS ID: 06-12936
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/08/06 23:25
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 20.0
Percent Moisture: 48.8%
pH: 6.9

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	400	< 400 U
84-66-2	Diethylphthalate	400	< 400 U
84-74-2	Di-n-Butylphthalate	400	< 400 U
85-68-7	Butylbenzylphthalate	400	< 400 U
117-81-7	bis(2-Ethylhexyl)phthalate	400	< 400 U
117-84-0	Di-n-Octyl phthalate	400	< 400 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	40.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-01-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ33O
LIMS ID: 06-12937
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/03/06 11:23
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 16.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Percent Moisture: 49.8%
pH: 7.0

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	300	< 300 U
84-66-2	Diethylphthalate	300	< 300 U
84-74-2	Di-n-Butylphthalate	300	< 300 U
85-68-7	Butylbenzylphthalate	300	< 300 U
117-81-7	bis(2-Ethylhexyl)phthalate	300	< 300 U
117-84-0	Di-n-Octyl phthalate	300	< 300 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	33.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-01-F**
Page 1 of 1 **DILUTION**

Lab Sample ID: JQ330
LIMS ID: 06-12937
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/08/06 23:56
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 16.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 20.0
Percent Moisture: 49.8%
pH: 7.0

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	1,200	< 1,200 U
84-66-2	Diethylphthalate	1,200	< 1,200 U
84-74-2	Di-n-Butylphthalate	1,200	< 1,200 U
85-68-7	Butylbenzylphthalate	1,200	< 1,200 U
117-81-7	bis(2-Ethylhexyl)phthalate	1,200	< 1,200 U
117-84-0	Di-n-Octyl phthalate	1,200	< 1,200 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	47.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-01-G**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ33P
LIMS ID: 06-12938
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/03/06 11:54
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 19.9 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Percent Moisture: 44.6%
pH: 7.0

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	250	< 250 U
84-66-2	Diethylphthalate	250	< 250 U
84-74-2	Di-n-Butylphthalate	250	< 250 U
85-68-7	Butylbenzylphthalate	250	< 250 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**250**	**370 B**
117-84-0	Di-n-Octyl phthalate	250	< 250 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	34.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-01-G**
Page 1 of 1 **DILUTION**

Lab Sample ID: JQ33P
LIMS ID: 06-12938
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/09/06 00:27
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 19.9 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 20.0
Percent Moisture: 44.6%
pH: 7.0

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	1,000	< 1,000 U
84-66-2	Diethylphthalate	1,000	< 1,000 U
84-74-2	Di-n-Butylphthalate	1,000	< 1,000 U
85-68-7	Butylbenzylphthalate	1,000	< 1,000 U
117-81-7	bis(2-Ethylhexyl)phthalate	1,000	< 1,000 U
117-84-0	Di-n-Octyl phthalate	1,000	< 1,000 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	48.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-01-H**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ33Q
LIMS ID: 06-12939
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/03/06 12:24
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 19.1 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Percent Moisture: 45.6%
pH: 7.1

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	260	< 260 U
84-66-2	Diethylphthalate	260	< 260 U
84-74-2	Di-n-Butylphthalate	260	< 260 U
85-68-7	Butylbenzylphthalate	260	< 260 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**260**	**360 B**
117-84-0	Di-n-Octyl phthalate	260	< 260 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	27.6%

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ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-01-H**
Page 1 of 1 **DILUTION**

Lab Sample ID: JQ33Q
LIMS ID: 06-12939
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/09/06 00:57
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 19.1 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 20.0
Percent Moisture: 45.6%
pH: 7.1

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	1,000	< 1,000 U
84-66-2	Diethylphthalate	1,000	< 1,000 U
84-74-2	Di-n-Butylphthalate	1,000	< 1,000 U
85-68-7	Butylbenzylphthalate	1,000	< 1,000 U
117-81-7	bis(2-Ethylhexyl)phthalate	1,000	< 1,000 U
117-84-0	Di-n-Octyl phthalate	1,000	< 1,000 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	41.6%

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES SOIL/SEDIMENT SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	TPH	TOT OUT
T4-B414-01-A	38.6%	0
T4-B414-01-A DL	54.4%	0
T4-B414-01-B	50.4%	0
T4-B414-01-C	52.4%	0
T4-B414-02-A	54.0%	0
T4-B414-02-B	52.8%	0
T4-B414-02-C	48.0%	0
T4-B414-03-A	58.4%	0
T4-B414-03-B	46.0%	0
T4-B414-03-C	47.6%	0
T4-B414-04-A	50.8%	0
T4-B414-04-B	61.2%	0
T4-B414-04-C	54.0%	0
T4-S3-01-D	27.6%	0
T4-S3-01-D DL	37.6%	0
T4-S3-01-E	30.0%	0
T4-S3-01-E DL	40.8%	0
T4-S3-01-F	33.6%	0
T4-S3-01-F DL	47.2%	0
MB-072706	90.0%	0
LCS-072706	80.8%	0
T4-S3-01-G	34.2%	0
T4-S3-01-G DL	48.0%	0
T4-S3-01-G MS	59.2%	0
T4-S3-01-G MSD	21.8%	0
T4-S3-01-H	27.6%	0
T4-S3-01-H DL	41.6%	0

	LCS/MB LIMITS	QC LIMITS
(TPH) = d14-p-Terphenyl	(37-114)	(12-120)

Prep Method: SW3550B
Log Number Range: 06-12923 to 06-12939

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-01-G**
Page 1 of 1 **MS/MSD**

Lab Sample ID: JQ33P
LIMS ID: 06-12938
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted MS/MSD: 07/27/06

Date Analyzed MS: 08/03/06 13:57
MSD: 08/03/06 14:27
Instrument/Analyst MS: NT6/LJR
MSD: NT6/LJR
GPC Cleanup: YES

Sample Amount MS: 19.5 g-dry-wt
MSD: 19.7 g-dry-wt
Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL
Dilution Factor MS: 1.00
MSD: 1.00
Percent Moisture: 44.6%
pH: 7.0

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Di-n-Octyl phthalate	< 251	607	1280	47.4%	373	1270	29.4%	47.8%

Results reported in µg/kg
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-01-G**
Page 1 of 1 **MATRIX SPIKE**

Lab Sample ID: JQ33P
LIMS ID: 06-12938
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/03/06 13:57
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 19.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 44.6%
pH: 7.0

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	51	< 51 U
84-66-2	Diethylphthalate	51	< 51 U
84-74-2	**Di-n-Butylphthalate**	**51**	**120 B**
85-68-7	Butylbenzylphthalate	51	< 51 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**51**	**240 B**
117-84-0	Di-n-Octyl phthalate	51	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	59.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-01-G**
Page 1 of 1 **MATRIX SPIKE DUPLICATE**

Lab Sample ID: JQ33P
LIMS ID: 06-12938
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/03/06 14:27
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 19.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 44.6%
pH: 7.0

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	51	< 51 U
84-66-2	Diethylphthalate	51	< 51 U
84-74-2	Di-n-Butylphthalate	51	< 51 U
85-68-7	Butylbenzylphthalate	51	< 51 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**51**	**170 B**
117-84-0	Di-n-Octyl phthalate	51	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	21.8%

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ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: LCS-072706**
Page 1 of 1 **LAB CONTROL**

Lab Sample ID: LCS-072706
LIMS ID: 06-12938
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/01/06 14:00
Instrument/Analyst: NT6/LJR
GPC Cleanup: YES

Sample Amount: 50.0 g
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: NA
pH: NA

Analyte	Lab Control	Spike Added	Recovery
Dimethylphthalate	338	500	67.6%
Diethylphthalate	352	500	70.4%
Di-n-Butylphthalate	386	500	77.2%
Butylbenzylphthalate	410	500	82.0%
bis(2-Ethylhexyl)phthalate	446	500	89.2%
Di-n-Octyl phthalate	334	500	66.8%

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	80.8%

Results reported in µg/kg

4B

SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

JQ33MBS1

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Lab File ID: JQ33MB Date Extracted: 07/27/06

Instrument ID: NT6 Date Analyzed: 08/01/06

Matrix: SOLID Time Analyzed: 1329

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	JQ33LCSS1	JQ33LCSS1	JQ33SB	08/01/06
02	T4-B414-01-B	JQ33B	JQ33B	08/01/06
03	T4-B414-01-C	JQ33C	JQ33C	08/01/06
04	T4-B414-02-A	JQ33D	JQ33D	08/01/06
05	T4-B414-02-B	JQ33E	JQ33E	08/01/06
06	T4-B414-02-C	JQ33F	JQ33F	08/01/06
07	T4-B414-03-A	JQ33G	JQ33G	08/01/06
08	T4-B414-03-B	JQ33H	JQ33H	08/01/06
09	T4-B414-03-C	JQ33I	JQ33I	08/01/06
10	T4-B414-04-A	JQ33J	JQ33J	08/01/06
11	T4-B414-04-B	JQ33K	JQ33K	08/01/06
12	T4-B414-04-C	JQ33L	JQ33L	08/01/06
13	T4-B414-01-A	JQ33A	JQ33ADL	08/03/06
14	T4-S3-01-D	JQ33M	JQ33MDL	08/03/06
15	T4-S3-01-E	JQ33N	JQ33NDL	08/03/06
16	T4-S3-01-F	JQ33O	JQ33ODL	08/03/06
17	T4-S3-01-G	JQ33P	JQ33PDL	08/03/06
18	T4-S3-01-H	JQ33Q	JQ33QDL	08/03/06
19	T4-S3-01-G MS	JQ33PMS	JQ33PMS	08/03/06
20	T4-S3-01-G MSD	JQ33PMSD	JQ33PMD	08/03/06
21	T4-B414-01-A	JQ33A	JQ33ADL2	08/08/06
22	T4-S3-01-D	JQ33M	JQ33MDL2	08/08/06
23	T4-S3-01-E	JQ33N	JQ33NDL2	08/08/06
24	T4-S3-01-F	JQ33O	JQ33ODL2	08/08/06
25	T4-S3-01-G	JQ33P	JQ33PDL2	08/09/06
26	T4-S3-01-H	JQ33Q	JQ33QDL2	08/09/06
27				
28				
29				
30				

COMMENTS:

FORM IV SV

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: MB-072706**
Page 1 of 1 **METHOD BLANK**

Lab Sample ID: MB-072706
LIMS ID: 06-12938
Matrix: Sediment
Data Release Authorized:
Reported: 08/10/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 07/27/06
Date Analyzed: 08/01/06 13:29
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.0 g
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: NA
pH: NA

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	**Di-n-Butylphthalate**	**20**	**25**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**21**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	90.0%

NWTPH-Dx

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID
Page 1 of 2
Matrix: Sediment

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Received: 07/21/06

Data Release Authorized: MW
Reported: 07/31/06

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result
JQ33A	T4-B414-01-A	07/26/06	07/27/06	20	**Diesel**	**980**
06-12923	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**3,300**
					o-Terphenyl	D
JQ33B	T4-B414-01-B	07/26/06	07/27/06	1.0	**Diesel**	**51**
06-12924	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**160**
					o-Terphenyl	87.1%
JQ33C	T4-B414-01-C	07/26/06	07/27/06	1.0	**Diesel**	**120**
06-12925	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**320**
					o-Terphenyl	74.2%
MB-072606	Method Blank	07/26/06	07/27/06	1.0	Diesel	< 5.0 U
06-12926	HC ID: ---		FID3A		Motor Oil	< 10 U
					o-Terphenyl	82.2%
JQ33D	T4-B414-02-A	07/26/06	07/27/06	1.0	**Diesel**	**26**
06-12926	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**97**
					o-Terphenyl	85.1%
JQ33E	T4-B414-02-B	07/26/06	07/27/06	1.0	**Diesel**	**60**
06-12927	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**210**
					o-Terphenyl	79.3%
JQ33F	T4-B414-02-C	07/26/06	07/27/06	1.0	**Diesel**	**92**
06-12928	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**280**
					o-Terphenyl	81.8%
JQ33G	T4-B414-03-A	07/26/06	07/27/06	1.0	**Diesel**	**47**
06-12929	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**200**
					o-Terphenyl	70.9%
JQ33H	T4-B414-03-B	07/26/06	07/27/06	1.0	**Diesel**	**64**
06-12930	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**220**
					o-Terphenyl	74.2%
JQ33I	T4-B414-03-C	07/26/06	07/27/06	1.0	**Diesel**	**58**
06-12931	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**220**
					o-Terphenyl	77.3%
JQ33J	T4-B414-04-A	07/26/06	07/27/06	1.0	**Diesel**	**46**
06-12932	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**220**
					o-Terphenyl	79.8%
JQ33K	T4-B414-04-B	07/26/06	07/27/06	1.0	**Diesel**	**48**
06-12933	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**180**
					o-Terphenyl	80.9%
JQ33L	T4-B414-04-C	07/26/06	07/27/06	1.0	**Diesel**	**60**
06-12934	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**210**
					o-Terphenyl	72.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID
Page 2 of 2
Matrix: Sediment

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Received: 07/21/06

Data Release Authorized: MW
Reported: 07/31/06

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result
JQ33M	T4-S3-01-D	07/26/06	07/27/06	20	**Diesel**	**270**
06-12935	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**780**
					o-Terphenyl	D
JQ33N	T4-S3-01-E	07/26/06	07/27/06	20	**Diesel**	**530**
06-12936	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**1,500**
					o-Terphenyl	D
JQ33O	T4-S3-01-F	07/26/06	07/27/06	20	**Diesel**	**1,100**
06-12937	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**2,900**
					o-Terphenyl	D
JQ33P	T4-S3-01-G	07/26/06	07/27/06	20	**Diesel**	**910**
06-12938	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**2,300**
					o-Terphenyl	D
JQ33Q	T4-S3-01-H	07/26/06	07/27/06	20	**Diesel**	**710**
06-12939	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**2,100**
					o-Terphenyl	D

Reported in mg/kg (ppm)

Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicates results of organics or additional hydrocarbons in ranges are not identifiable.

ANALYTICAL RESOURCES INCORPORATED

TPHD SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	OTER	TOT OUT
T4-B414-01-A	D	0
T4-B414-01-B	87.1%	0
T4-B414-01-C	74.2%	0
072606MBS	82.2%	0
072606LCS	89.6%	0
T4-B414-02-A	85.1%	0
T4-B414-02-A MS	82.9%	0
T4-B414-02-A MSD	79.8%	0
T4-B414-02-B	79.3%	0
T4-B414-02-C	81.8%	0
T4-B414-03-A	70.9%	0
T4-B414-03-B	74.2%	0
T4-B414-03-C	77.3%	0
T4-B414-04-A	79.8%	0
T4-B414-04-B	80.9%	0
T4-B414-04-C	72.4%	0
T4-S3-01-D	D	0
T4-S3-01-E	D	0
T4-S3-01-F	D	0
T4-S3-01-G	D	0
T4-S3-01-H	D	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terphenyl	(56-108)	(38-118)

Prep Method: SW3550B
Log Number Range: 06-12923 to 06-12939

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID
Page 1 of 1

Sample ID: T4-B414-02-A
MS/MSD

Lab Sample ID: JQ33D
LIMS ID: 06-12926
Matrix: Sediment
Data Release Authorized:
Reported: 07/31/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted MS/MSD: 07/26/06

Date Analyzed MS: 07/27/06 09:58
MSD: 07/27/06 10:13
Instrument/Analyst MS: FID3A/JGR
MSD: FID3A/JGR

Sample Amount MS: 5.04 g-dry-wt
MSD: 5.05 g-dry-wt
Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL
Dilution Factor MS: 1.00
MSD: 1.00
Percent Moisture: 49.7%

Range	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Diesel	25.9	262	298	79.2%	264	297	80.2%	0.8%

TPHD Surrogate Recovery

	MS	MSD
o-Terphenyl	82.9%	79.8%

Results reported in mg/kg
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID
Page 1 of 1

Sample ID: LCS-072606
LAB CONTROL

Lab Sample ID: LCS-072606
LIMS ID: 06-12926
Matrix: Sediment
Data Release Authorized: MW
Reported: 07/31/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 07/26/06
Date Analyzed: 07/27/06 08:40
Instrument/Analyst: FID3A/JGR

Sample Amount: 10.0 g
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Range	Lab Control	Spike Added	Recovery
Diesel	130	150	86.7%

TPHD Surrogate Recovery

o-Terphenyl	89.6%

Results reported in mg/kg

4

TPH METHOD BLANK SUMMARY

BLANK NO.

JQ33MBS1

Lab Name: ANALYTICAL RESOURCES, INC

Client: ANCHOR ENVIRONMENTAL

SDG No.: JQ33

Project No.: T4 EARLY ACTION

Date Extracted: 07/26/06

Matrix: SOLID

Date Analyzed : 07/27/06

Instrument ID : FID3A

Time Analyzed : 0824

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
01	JQ33LCSS1	JQ33LCSS1	07/27/06
02	T4-B414-01-A	JQ33A	07/27/06
03	T4-B414-01-B	JQ33B	07/27/06
04	T4-B414-01-C	JQ33C	07/27/06
05	T4-B414-02-A	JQ33D	07/27/06
06	T4-B414-02-A	JQ33DMS	07/27/06
07	T4-B414-02-A	JQ33DMSD	07/27/06
08	T4-B414-02-B	JQ33E	07/27/06
09	T4-B414-02-C	JQ33F	07/27/06
10	T4-B414-03-A	JQ33G	07/27/06
11	T4-B414-03-B	JQ33H	07/27/06
12	T4-B414-03-C	JQ33I	07/27/06
13	T4-B414-04-A	JQ33J	07/27/06
14	T4-B414-04-B	JQ33K	07/27/06
15	T4-B414-04-C	JQ33L	07/27/06
16	T4-S3-01-D	JQ33M	07/27/06
17	T4-S3-01-E	JQ33N	07/27/06
18	T4-S3-01-F	JQ33O	07/27/06
19	T4-S3-01-G	JQ33P	07/27/06
20	T4-S3-01-H	JQ33Q	07/27/06

FORM IV TPH

TOTAL METALS

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-B414-01-A
SAMPLE

Lab Sample ID: JQ33A
LIMS ID: 06-12923
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 54.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	7439-92-1	Lead	4	26	
3050B	07/27/06	6010B	07/31/06	7440-66-6	Zinc	1	126	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-B414-01-A
DUPLICATE

Lab Sample ID: JQ33A
LIMS ID: 06-12923
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Lead	6010B	26	31	17.5%	+/- 20%	
Zinc	6010B	126	132	4.7%	+/- 20%	

Reported in mg/kg-dry

*-Control Limit Not Met
L-RPD Invalid, Limit = Detection Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: T4-B414-01-A
MATRIX SPIKE

Lab Sample ID: JQ33A
LIMS ID: 06-12923
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

MATRIX SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Spike	Spike Added	% Recovery	Q
Lead	6010B	26	356	361	91.4%	
Zinc	6010B	126	220	90.2	104%	

Reported in mg/kg-dry

N-Control Limit Not Met
H-% Recovery Not Applicable, Sample Concentration Too High
NA-Not Applicable, Analyte Not Spiked

Percent Recovery Limits: 75-125%

ANALYTICAL RESOURCES INCORPORATED

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Sample ID: T4-B414-01-B
SAMPLE

Lab Sample ID: JQ33B
LIMS ID: 06-12924
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 52.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	**7439-92-1**	**Lead**	4	26	
3050B	07/27/06	6010B	07/31/06	**7440-66-6**	**Zinc**	1	128	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
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Sample ID: T4-B414-01-C
SAMPLE

Lab Sample ID: JQ33C
LIMS ID: 06-12925
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 52.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	**7439-92-1**	**Lead**	4	35	
3050B	07/27/06	6010B	07/31/06	**7440-66-6**	**Zinc**	1	148	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

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Sample ID: T4-B414-02-A
SAMPLE

Lab Sample ID: JQ33D
LIMS ID: 06-12926
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Percent Total Solids: 50.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	**7439-92-1**	**Lead**	4	**18**	
3050B	07/27/06	6010B	07/31/06	**7440-66-6**	**Zinc**	1	**104**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
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Sample ID: T4-B414-02-B
SAMPLE

Lab Sample ID: JQ33E
LIMS ID: 06-12927
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Percent Total Solids: 52.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	**7439-92-1**	**Lead**	4	**14**	
3050B	07/27/06	6010B	07/31/06	**7440-66-6**	**Zinc**	1	**94**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
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Sample ID: T4-B414-02-C
SAMPLE

Lab Sample ID: JQ33F
LIMS ID: 06-12928
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Percent Total Solids: 52.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	**7439-92-1**	**Lead**	4	**25**	
3050B	07/27/06	6010B	07/31/06	**7440-66-6**	**Zinc**	1	**134**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

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Sample ID: T4-B414-03-A
SAMPLE

Lab Sample ID: JQ33G
LIMS ID: 06-12929
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 53.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	**7439-92-1**	**Lead**	3	**16**	
3050B	07/27/06	6010B	07/31/06	**7440-66-6**	**Zinc**	1	**98**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
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Sample ID: T4-B414-03-B
SAMPLE

Lab Sample ID: JQ33H
LIMS ID: 06-12930
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 52.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	**7439-92-1**	**Lead**	4	**19**	
3050B	07/27/06	6010B	07/31/06	**7440-66-6**	**Zinc**	1	**107**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-B414-03-C
SAMPLE

Lab Sample ID: JQ33I
LIMS ID: 06-12931
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 51.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	**7439-92-1**	**Lead**	4	14	
3050B	07/27/06	6010B	07/31/06	**7440-66-6**	**Zinc**	1	92	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
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Sample ID: T4-B414-04-A
SAMPLE

Lab Sample ID: JQ33J
LIMS ID: 06-12932
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 49.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	**7439-92-1**	**Lead**	4	**17**	
3050B	07/27/06	6010B	07/31/06	**7440-66-6**	**Zinc**	1	**104**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
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Sample ID: T4-B414-04-B
SAMPLE

Lab Sample ID: JQ33K
LIMS ID: 06-12933
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 55.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	**7439-92-1**	**Lead**	3	**15**	
3050B	07/27/06	6010B	07/31/06	**7440-66-6**	**Zinc**	1	**94**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
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Sample ID: T4-B414-04-C
SAMPLE

Lab Sample ID: JQ33L
LIMS ID: 06-12934
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 54.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	**7439-92-1**	**Lead**	3	17	
3050B	07/27/06	6010B	07/31/06	**7440-66-6**	**Zinc**	1	105	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
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Sample ID: T4-S3-01-D
SAMPLE

Lab Sample ID: JQ33M
LIMS ID: 06-12935
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Percent Total Solids: 52.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	**7439-92-1**	**Lead**	4	**258**	
3050B	07/27/06	6010B	07/31/06	**7440-66-6**	**Zinc**	1	**381**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-01-E
SAMPLE

Lab Sample ID: JQ33N
LIMS ID: 06-12936
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Percent Total Solids: 55.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	**7439-92-1**	**Lead**	3	**432**	
3050B	07/27/06	6010B	07/31/06	**7440-66-6**	**Zinc**	1	**546**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
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Sample ID: T4-S3-01-F
SAMPLE

Lab Sample ID: JQ33O
LIMS ID: 06-12937
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Percent Total Solids: 59.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	**7439-92-1**	**Lead**	3	**559**	
3050B	07/27/06	6010B	07/31/06	**7440-66-6**	**Zinc**	1	**827**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
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Sample ID: T4-S3-01-G
SAMPLE

Lab Sample ID: JQ33P
LIMS ID: 06-12938
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Percent Total Solids: 55.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	**7439-92-1**	**Lead**	3	**455**	
3050B	07/27/06	6010B	07/31/06	**7440-66-6**	**Zinc**	1	**656**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
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Sample ID: T4-S3-01-H
SAMPLE

Lab Sample ID: JQ33Q
LIMS ID: 06-12939
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Percent Total Solids: 57.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	**7439-92-1**	**Lead**	3	**527**	
3050B	07/27/06	6010B	07/31/06	**7440-66-6**	**Zinc**	1	**609**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
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Sample ID: METHOD BLANK

Lab Sample ID: JQ33MB
LIMS ID: 06-12924
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: NA
Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/27/06	6010B	07/31/06	7439-92-1	Lead	2	2	U
3050B	07/27/06	6010B	07/31/06	**7440-66-6**	**Zinc**	0.6	**1.2**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
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Sample ID: LAB CONTROL

Lab Sample ID: JQ33LCS
LIMS ID: 06-12924
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Lead	6010B	192	200	96.0%	
Zinc	6010B	49.6	50.0	99.2%	

Reported in mg/kg-dry

N-Control limit not met
Control Limits: 80-120%

GENERAL CHEMISTRY

SAMPLE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-B414-01-A
ARI ID: 06-12923 JQ33A

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	54.60
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	1.21

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-B414-01-B
ARI ID: 06-12924 JQ33B

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	52.10
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	2.13

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-B414-01-C
ARI ID: 06-12925 JQ33C

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	53.10
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	1.70

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MP
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Client ID: T4-B414-02-A
ARI ID: 06-12926 JQ33D

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	50.90
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	1.83

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Client ID: T4-B414-02-B
ARI ID: 06-12927 JQ33E

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#3	EPA 160.3	Percent	0.01	51.40
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	1.80

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Client ID: T4-B414-02-C
ARI ID: 06-12928 JQ33F

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#3	EPA 160.3	Percent	0.01	52.40
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	2.60

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-B414-03-A
ARI ID: 06-12929 JQ33G

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#3	EPA 160.3	Percent	0.01	52.80
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	1.29

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-B414-03-B
ARI ID: 06-12930 JQ33H

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#3	EPA 160.3	Percent	0.01	51.90
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	1.52

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-B414-03-C
ARI ID: 06-12931 JQ33I

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#3	EPA 160.3	Percent	0.01	51.30
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	2.23

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MP
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-B414-04-A
ARI ID: 06-12932 JQ33J

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#3	EPA 160.3	Percent	0.01	49.50
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	1.81

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-B414-04-B
ARI ID: 06-12933 JQ33K

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#3	EPA 160.3	Percent	0.01	55.70
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	1.47

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MP
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-B414-04-C
ARI ID: 06-12934 JQ33L

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#3	EPA 160.3	Percent	0.01	53.10
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	1.46

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Client ID: T4-S3-01-D
ARI ID: 06-12935 JQ33M

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#3	EPA 160.3	Percent	0.01	52.90
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	1.97

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Client ID: T4-S3-01-E
ARI ID: 06-12936 JQ33N

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#3	EPA 160.3	Percent	0.01	55.90
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	2.01

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Client ID: T4-S3-01-F
ARI ID: 06-12937 JQ330

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#3	EPA 160.3	Percent	0.01	58.80
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	2.35

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MP
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Client ID: T4-S3-01-G
ARI ID: 06-12938 JQ33P

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#3	EPA 160.3	Percent	0.01	55.90
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	2.57

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Client ID: T4-S3-01-H
ARI ID: 06-12939 JQ33Q

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#3	EPA 160.3	Percent	0.01	57.50
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	2.25

RL Analytical reporting limit
U Undetected at reported detection limit

METHOD BLANK RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	Blank
Total Solids	07/24/06	Percent	< 0.01 U
	07/24/06		< 0.01 U
Total Organic Carbon	07/26/06	Percent	< 0.020 U

LAB CONTROL RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	LCS	Spike Added	Recovery
Total Organic Carbon	07/26/06	Percent	0.524	0.500	104.8%

STANDARD REFERENCE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Date	Units	SRM	True Value	Recovery
Total Organic Carbon NIST #8704	07/26/06	Percent	2.97	3.35	88.7%

REPLICATE RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: JQ33D Client ID: T4-B414-02-A					
Total Solids	07/24/06	Percent	50.90	51.20 51.30	0.4%
Total Organic Carbon	07/26/06	Percent	1.83	1.30 1.52	17.2%

MS/MSD RESULTS-CONVENTIONALS
JQ33-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MP
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Analyte	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: JQ33D Client ID: T4-B414-02-A						
Total Organic Carbon	07/26/06	Percent	1.83	3.93	1.92	109.5%

GRAINSIZE

ANALYTICAL RESOURCES INCORPORATED

Anchor Environmental
T4 EARLY ACTION - 050332-01

Percent Finer (Passing) Than the Indicated Size

Sieve Size (microns)	2"	1"	3/4"	1/2"	3/8"	#4 (4750)	#10 (2000)	#20 (850)	#40 (425)	#60 (250)	#100 (150)	#200 (75)	32	22	13	9	7	3.2	1.3
T4-B414-01-A	100.0	100.0	100.0	100.0	100.0	99.9	99.7	99.2	97.8	92.8	88.3	73.4	51.1	43.2	35.4	30.7	25.9	18.1	11.0
T4-B414-01-B	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.4	97.1	88.4	84.2	77.9	62.8	50.7	39.9	33.1	29.0	18.2	12.8
T4-B414-01-C	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.8	99.0	96.7	94.9	89.3	62.2	52.8	38.8	32.8	27.4	19.4	12.7
T4-B414-02-A	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7	99.1	97.6	95.8	84.0	60.4	49.2	38.0	31.7	26.8	18.7	11.2
T4-B414-02-B	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.5	98.7	96.4	85.8	63.3	52.7	40.7	35.3	30.0	19.3	12.0
T4-B414-02-C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	97.9	92.2	90.0	84.2	66.3	52.9	43.6	36.9	30.8	20.8	13.4
T4-B414-03-A	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	97.3	92.2	88.6	73.5	51.0	40.7	30.3	25.9	21.4	13.3	8.9
T4-B414-03-B	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	98.5	96.1	93.3	78.8	59.9	54.4	39.2	32.3	26.8	17.2	11.7
T4-B414-03-C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	98.6	96.7	95.2	88.6	67.3	54.8	42.3	35.4	28.4	17.3	11.1
T4-B414-04-A	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7	99.4	98.6	97.2	86.7	59.8	47.7	36.9	30.9	25.5	17.5	11.4
T4-B414-04-A	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	99.1	98.4	97.3	87.9	67.3	51.7	39.9	32.5	26.6	18.5	10.3
T4-B414-04-A	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	99.3	98.7	97.8	87.5	64.4	53.6	41.3	34.7	28.2	21.7	12.3
T4-B414-04-B	100.0	100.0	100.0	100.0	100.0	100.0	99.7	99.6	99.2	98.6	96.5	83.3	58.0	47.5	36.3	30.3	23.7	16.5	10.5
T4-B414-04-C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7	99.1	97.6	93.9	78.0	56.8	47.0	37.2	31.3	24.8	17.0	9.8
T4-S3-01-D	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.6	99.4	99.1	3.0	2.5	2.0	1.7	1.3	0.8	0.5
T4-S3-01-E	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.6	97.6	88.9	79.9	66.6	51.4	33.4	31.5	24.4	19.3	11.6	7.7
T4-S3-01-F	100.0	100.0	100.0	100.0	100.0	99.1	98.7	97.2	92.1	72.6	54.5	38.9	32.4	26.4	22.8	18.0	14.4	8.4	4.8
T4-S3-01-G	100.0	100.0	100.0	100.0	100.0	98.8	98.7	97.9	94.2	83.1	74.5	65.9	57.2	48.5	39.8	32.4	26.8	16.8	10.6
T4-S3-01-H	100.0	100.0	100.0	100.0	100.0	94.2	93.5	92.3	89.3	80.2	73.2	66.3	56.8	46.0	38.8	33.1	27.3	16.5	10.1

Testing performed according to ASTM D421/D422

JQ33

0129

ANALYTICAL RESOURCES INCORPORATED

Anchor Environmental
T4 EARLY ACTION - 050332-01

Percent Retained in Each Size Fraction

Description	% Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Very Coarse Silt	% Coarse Silt	% Medium Silt	% Fine Silt	% Fine Silt	% Very Fine Silt	% Clay
Particle Size (microns)	> 4750	4750-2000	2000-425	425-75	75-32	32-22	22-13	13-9	9-7	7-3.2	<3.2
T4-B414-01-A	0.1	0.2	1.9	24.3	22.4	7.9	7.9	4.7	4.7	7.9	18.1
T4-B414-01-B	0.0	0.1	2.8	19.2	15.1	12.2	10.8	6.8	4.1	10.8	18.2
T4-B414-01-C	0.0	0.1	0.9	9.7	27.1	9.4	14.0	6.0	5.4	8.0	19.4
T4-B414-02-A	0.0	0.0	0.9	15.1	23.7	11.2	11.2	6.2	5.0	8.1	18.7
T4-B414-02-B	0.0	0.0	0.5	13.8	22.5	10.7	12.0	5.3	5.3	10.7	19.3
T4-B414-02-C	0.0	0.0	2.0	13.7	17.9	13.4	9.4	6.7	6.0	10.1	20.8
T4-B414-03-A	0.0	0.0	2.7	23.8	22.5	10.4	10.4	4.4	4.4	8.1	13.3
T4-B414-03-B	0.0	0.0	1.4	19.8	18.9	5.5	15.1	6.9	5.5	9.6	17.2
T4-B414-03-C	0.0	0.0	1.4	10.0	21.4	12.5	12.5	6.9	6.9	11.1	17.3
T4-B414-04-A	0.0	0.0	0.6	12.6	27.0	12.1	10.7	6.0	5.4	8.1	17.5
T4-B414-04-A	0.0	0.0	0.9	11.1	20.7	15.5	11.8	7.4	5.9	8.1	18.5
T4-B414-04-A	0.0	0.0	0.7	11.8	23.1	10.9	12.3	6.5	6.5	6.5	21.7
T4-B414-04-B	0.0	0.3	0.5	15.9	25.3	10.5	11.2	5.9	6.6	7.3	16.5
T4-B414-04-C	0.0	0.0	0.9	21.1	21.3	9.8	9.8	5.9	6.5	7.8	17.0
T4-S3-01-D	0.0	0.0	0.1	0.8	96.1	0.5	0.5	0.3	0.4	0.4	0.8
T4-S3-01-E	0.0	0.1	2.3	31.0	15.2	18.0	1.9	7.1	5.1	7.7	11.6
T4-S3-01-F	0.9	0.4	6.5	53.2	6.5	6.0	3.6	4.8	3.6	6.0	8.4
T4-S3-01-G	1.2	0.2	4.5	28.3	8.7	8.7	8.7	7.5	5.6	10.0	16.8
T4-S3-01-H	5.8	0.7	4.2	23.0	9.5	10.8	7.2	5.8	5.8	10.8	16.5

JQ33

0130

ANALYTICAL RESOURCES INCORPORATED

PROJECT:	Anchor Environmental	Project No.:	T4 EARLY ACTION -
ARI Triplicate Sample ID:	JQ33 J	Batch No.:	JQ33 -01
Client Triplicate Sample ID:	T4-B414-04	Page:	1 of 1

Relative Standard Deviation, By Size

Sample ID	4750	2000	850	425	250	150	75	32	22	13	9	7	3.2	1.3
T4-B414-04-A	100.0	100.0	100.0	100.0	100.0	100.0	99.7	99.4	98.6	97.2	86.7	59.8	47.7	36.9
T4-B414-04-A	100.0	100.0	100.0	100.0	100.0	100.0	99.6	99.1	98.4	97.3	87.9	67.3	51.7	39.9
T4-B414-04-A	100.0	100.0	100.0	100.0	100.0	100.0	99.6	99.1	98.4	97.3	87.9	67.3	51.7	39.9
AVE	100.00	100.00	100.00	100.00	100.00	100.00	99.63	99.16	98.49	97.27	87.53	64.76	50.39	38.92
STDEV	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.18	0.10	0.10	0.68	4.32	2.34	1.71
%RSD	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.18	0.10	0.10	0.78	6.67	4.64	4.41

This Triplicate applies to the Batch Containing the Following Samples

Sample ID	Date Sampled	Date Set up	Date Started	Date Complete	Data Qualifiers
T4-B414-01-A	7/20/2006	7/27/2006	8/1/2006	8/3/2006	
T4-B414-01-B	7/20/2006	7/27/2006	8/1/2006	8/3/2006	
T4-B414-01-C	7/20/2006	7/27/2006	8/1/2006	8/3/2006	
T4-B414-02-A	7/19/2006	7/27/2006	8/1/2006	8/3/2006	
T4-B414-02-B	7/19/2006	7/27/2006	8/1/2006	8/3/2006	
T4-B414-02-C	7/19/2006	7/27/2006	8/1/2006	8/3/2006	
T4-B414-03-A	7/20/2006	7/27/2006	8/1/2006	8/3/2006	
T4-B414-03-B	7/20/2006	7/27/2006	8/1/2006	8/3/2006	
T4-B414-03-C	7/20/2006	7/27/2006	8/1/2006	8/3/2006	
T4-B414-04-A	7/20/2006	7/27/2006	8/1/2006	8/3/2006	
T4-B414-04-A	7/20/2006	7/31/2006	8/1/2006	8/3/2006	
T4-B414-04-A	7/20/2006	7/31/2006	8/1/2006	8/3/2006	
T4-B414-04-B	7/20/2006	7/27/2006	8/1/2006	8/3/2006	
T4-B414-04-C	7/20/2006	7/27/2006	8/1/2006	8/3/2006	
T4-S3-01-D	7/18/2006	7/27/2006	8/1/2006	8/3/2006	
T4-S3-01-E	7/18/2006	7/27/2006	8/1/2006	8/3/2006	
T4-S3-01-F	7/18/2006	7/27/2006	8/1/2006	8/3/2006	
T4-S3-01-G	7/18/2006	7/27/2006	8/1/2006	8/3/2006	
T4-S3-01-H	7/18/2006	7/27/2006	8/1/2006	8/3/2006	

TOTAL SOLIDS

Extractions Total Solids-extts
Data By: Elizabeth Frances Weidner
Created: 7/24/06

Worklist: 4551
Analyst: EFW
Comments:

	ARI ID / CLIENT ID	Tare Wt (g)	Wet Wt (g)	Dry Wt (g)	% Solids	pH
1.	JQ33A 06-12923 T4-B414-01-A	1.12	11.26	6.72	55.2	7.1
2.	JQ33B 06-12924 T4-B414-01-B	1.14	11.42	6.46	51.8	7.2
3.	JQ33C 06-12925 T4-B414-01-C	1.14	11.56	6.72	53.6	7.1
4.	JQ33D 06-12926 T4-B414-02-A	1.14	11.24	6.22	50.3	7.2
5.	JQ33E 06-12927 T4-B414-02-B	1.12	11.20	6.22	50.6	7.2
6.	JQ33F 06-12928 T4-B414-02-C	1.16	11.54	6.54	51.8	7.0
7.	JQ33G 06-12929 T4-B414-03-A	1.14	11.14	6.16	50.2	7.1
8.	JQ33H 06-12930 T4-B414-03-B	1.14	11.74	6.40	49.6	7.0
9.	JQ33I 06-12931 T4-B414-03-C	1.14	11.40	6.30	50.3	7.2
10.	JQ33J 06-12932 T4-B414-04-A	1.12	11.18	5.92	47.7	7.2
11.	JQ33K 06-12933 T4-B414-04-B	1.14	11.58	6.66	52.9	7.1
12.	JQ33L 06-12934 T4-B414-04-C	1.12	11.66	6.46	50.7	7.1
13.	JQ33M 06-12935 T4-S3-01-D	1.14	11.48	6.40	50.9	7.1
14.	JQ33N 06-12936 T4-S3-01-E	1.12	11.32	6.34	51.2	6.9
15.	JQ33O 06-12937 T4-S3-01-F	1.14	11.26	6.22	50.2	7.0

Extractions Total Solids-extts
Data By: Elizabeth Frances Weidner
Created: 7/24/06

Worklist: 4551
Analyst: EFW
Comments:

	ARI ID CLIENT ID	Tare Wt (g)	Wet Wt (g)	Dry Wt (g)	% Solids	pH
16.	JQ33P 06-12938 T4-S3-01-G	1.14	11.28	6.76	55.4	7.0
17.	JQ33Q 06-12939 T4-S3-01-H	1.14	11.58	6.82	54.4	7.1

Solids Data Entry Report Checked by: DM Date: 7/28/06
Date: 07/27/06 Data Analyst: ejr

Solids Determination performed on 07/26/06 by DM

JOB	SAMPLE	CLIENTID	TAREWEIGHT	SAMPDISH	DRYWEIGHT	SOLIDS
JQ33	A	T4-B414-01-A	0.990	10.263	6.009	54.12
JQ33	B	T4-B414-01-B	0.978	10.069	5.721	52.17
JQ33	C	T4-B414-01-C	0.982	10.202	5.831	52.59
JQ33	D	T4-B414-02-A	0.967	10.369	5.740	50.77
JQ33	E	T4-B414-02-B	1.025	10.060	5.745	52.24
JQ33	F	T4-B414-02-C	1.053	10.510	5.997	52.28
JQ33	G	T4-B414-03-A	1.044	10.972	6.321	53.15
JQ33	H	T4-B414-03-B	1.013	10.125	5.780	52.32
JQ33	I	T4-B414-03-C	1.029	10.501	5.929	51.73
JQ33	J	T4-B414-04-A	0.996	10.763	5.819	49.38
JQ33	K	T4-B414-04-B	1.059	10.154	6.103	55.46
JQ33	L	T4-B414-04-C	1.018	10.604	6.201	54.07
JQ33	M	T4-S3-01-D	0.991	10.410	5.951	52.66
JQ33	N	T4-S3-01-E	0.976	10.172	6.074	55.44
JQ33	O	T4-S3-01-F	1.023	10.487	6.649	59.45
JQ33	P	T4-S3-01-G	1.021	10.158	6.107	55.66
JQ33	Q	T4-S3-01-H	1.007	10.905	6.674	57.25

Laboratory Data Package

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ33

prepared
by

Analytical Resources, Inc.

SIM Semivolatile Analysis
QC Summary Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ33

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

SIM SW8270 SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	MNP	DBA	TOT OUT
T4-B414-01-A	87.3%	66.7%	0
T4-B414-01-A DL	D	D	0
T4-B414-01-B	58.7%	61.0%	0
T4-B414-01-C	55.0%	71.7%	0
MB-072706	49.3%	57.7%	0
LCS-072706	55.7%	58.3%	0
T4-B414-02-A	60.3%	82.0%	0
T4-B414-02-A MS	64.3%	51.0%	0
T4-B414-02-A MSD	64.3%	68.3%	0
T4-B414-02-B	66.0%	65.3%	0
T4-B414-02-C	68.3%	59.0%	0
T4-B414-03-A	73.0%	70.3%	0
T4-B414-03-B	73.7%	67.3%	0
T4-B414-03-C	64.3%	51.3%	0
T4-B414-04-A	74.7%	51.7%	0
T4-B414-04-B	66.3%	47.3%	0
T4-B414-04-C	73.3%	68.0%	0
T4-S3-01-D	64.3%	81.0%	0
T4-S3-01-D DL	D	D	0
T4-S3-01-E	65.3%	76.7%	0
T4-S3-01-E DL	D	D	0
T4-S3-01-F	60.7%	54.7%	0
T4-S3-01-G	64.7%	42.3%	0
T4-S3-01-H	64.0%	91.3%	0

	LCS/MB LIMITS	QC LIMITS
(MNP) = d10-2-Methylnaphthalene	(38-94)	(32-97)
(DBA) = d14-Dibenzo(a,h)anthracene	(27-116)	(21-105)

Prep Method: SW3550B
Log Number Range: 06-12923 to 06-12939

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-02-A
MATRIX SPIKE

Lab Sample ID: JQ33D
LIMS ID: 06-12926
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted MS/MSD: 07/27/06

Date Analyzed MS: 08/04/06 17:01
MSD: 08/07/06 16:13
Instrument/Analyst MS: FINN1/YZ
MSD: FINN3/YZ

Sample Amount MS: 10.1 g-dry-wt
MSD: 10.1 g-dry-wt
Final Extract Volume MS: 0.50 mL
MSD: 0.50 mL
Dilution Factor MS: 10.0
MSD: 10.0

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Phenanthrene	1910 B	574 B	149	NA	842 B	149	NA	NA
Chrysene	2560	881	149	NA	1060	149	NA	NA
Benzo(k)fluoranthene	2230	703	149	NA	891	149	NA	NA

Reported in µg/kg (ppb)

NA-No recovery due to high concentration of analyte in original sample, calculated negative recovery, or undetected spike.
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: LCS-072706
LAB CONTROL SAMPLE

Lab Sample ID: LCS-072706
LIMS ID: 06-12926
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 07/27/06
Date Analyzed LCS: 08/04/06 14:33
Instrument/Analyst LCS: FINN1/YZ

Sample Amount LCS: 10.0 g-dry-wt
Final Extract Volume LCS: 0.50 mL
Dilution Factor LCS: 1.00

Analyte	LCS	Spike Added	Recovery
Naphthalene	75.5	150	50.3%
1-Methylnaphthalene	73.5	150	49.0%
Acenaphthylene	75.5	150	50.3%
Acenaphthene	85.0	150	56.7%
Fluorene	83.0	150	55.3%
Phenanthrene	85.0	150	56.7%
Anthracene	76.0	150	50.7%
Fluoranthene	81.0	150	54.0%
Pyrene	80.0	150	53.3%
Benzo(a)anthracene	76.0	150	50.7%
Chrysene	82.0	150	54.7%
Benzo(b)fluoranthene	80.0	150	53.3%
Benzo(k)fluoranthene	88.0	150	58.7%
Benzo(a)pyrene	73.0	150	48.7%
Indeno(1,2,3-cd)pyrene	75.5	150	50.3%
Dibenz(a,h)anthracene	77.5	150	51.7%
Benzo(g,h,i)perylene	81.5	150	54.3%

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	55.7%
d14-Dibenzo(a,h)anthracen	58.3%

4B

SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

JQ33MBS1

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Lab File ID: JQ33MB Date Extracted: 07/27/06

Instrument ID: NT1 Date Analyzed: 08/04/06

Matrix: SOLID Time Analyzed: 1408

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	JQ33LCSS1	JQ33LCSS1	JQ33SB	08/04/06
02	T4-B414-01-A	JQ33A	JQ33A20	08/04/06
03	T4-B414-01-B	JQ33B	JQ33B10	08/04/06
04	T4-B414-01-C	JQ33C	JQ33C10	08/04/06
05	T4-B414-02-A	JQ33D	JQ33D10	08/04/06
06	T4-B414-02-A MS	JQ33DMS	JQ33DMS	08/04/06
07	T4-B414-02-C	JQ33F	JQ33F10	08/04/06
08	T4-B414-03-A	JQ33G	JQ33G10	08/04/06
09	T4-B414-03-B	JQ33H	JQ33H10	08/04/06
10	T4-B414-03-C	JQ33I	JQ33I	08/04/06
11	T4-B414-04-A	JQ33J	JQ33J	08/04/06
12	T4-B414-04-B	JQ33K	JQ33K	08/04/06
13	T4-B414-04-C	JQ33L	JQ33L10	08/04/06
14	T4-S3-01-D	JQ33M	JQ33M50	08/04/06
15	T4-S3-01-E	JQ33N	JQ33N100	08/04/06
16	T4-S3-01-F	JQ33O	JQ33O20	08/04/06
17	T4-S3-01-G	JQ33P	JQ33P10	08/04/06
18	T4-B414-01-A	JQ33A	JQ33A400	08/07/06
19	T4-B414-02-A MSD	JQ33DMSD	JQ33DMSD	08/07/06
20	T4-S3-01-D	JQ33M	JQ33M10	08/07/06
21	T4-S3-01-E	JQ33N	JQ33N	08/07/06
22	T4-S3-01-H	JQ33Q	JQ33Q	08/07/06
23	T4-B414-02-B	JQ33E	JQ33E	08/08/06
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM IV SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

Instrument ID: NT1 Project: T4EARLY ACTION

DFTPP Injection Date: 08/04/06 DFTPP Injection Time: 0953

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	39.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	39.7
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	25.0 - 75.0% of mass 198	43.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	20.1
365	Greater than 0.75% of mass 198	2.25
441	Present, but less than mass 443	15.0
442	40.0 - 110.0% of mass 198	86.3
443	15.0 - 24.0% of mass 442	16.6 (19.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		IC0803A	IC0803A	08/04/06	1025
02		IC0803B	IC0803B	08/04/06	1049
03		IC0803C	IC0803C	08/04/06	1114
04		IC0803D	IC0804D	08/04/06	1139
05		IC0803E	IC0805E	08/04/06	1204
06		IC0803F	IC0806F	08/04/06	1228
07	JQ33MBS1	JQ33MBS1	JQ33MB	08/04/06	1408
08	JQ33LCSS1	JQ33LCSS1	JQ33SB	08/04/06	1433
09	T4-B414-01-A	JQ33A	JQ33A20	08/04/06	1522
10	T4-B414-01-B	JQ33B	JQ33B10	08/04/06	1547
11	T4-B414-01-C	JQ33C	JQ33C10	08/04/06	1612
12	T4-B414-02-A	JQ33D	JQ33D10	08/04/06	1637
13	T4-B414-02-A MS	JQ33DMS	JQ33DMS	08/04/06	1701
14	T4-B414-02-C	JQ33F	JQ33F10	08/04/06	1726
15	T4-B414-03-A	JQ33G	JQ33G10	08/04/06	1751
16	T4-B414-03-B	JQ33H	JQ33H10	08/04/06	1816
17	T4-B414-03-C	JQ33I	JQ33I	08/04/06	1840
18	T4-B414-04-A	JQ33J	JQ33J	08/04/06	1905
19	T4-B414-04-B	JQ33K	JQ33K	08/04/06	1930
20	T4-B414-04-C	JQ33L	JQ33L10	08/04/06	1955
21	T4-S3-01-D	JQ33M	JQ33M50	08/04/06	2019
22	T4-S3-01-E	JQ33N	JQ33N100	08/04/06	2044

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

Instrument ID: NT1 Project: T4EARLY ACTION

DFTPP Injection Date: 08/04/06 DFTPP Injection Time: 0953

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	39.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	39.7
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	25.0 - 75.0% of mass 198	43.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	20.1
365	Greater than 0.75% of mass 198	2.25
441	Present, but less than mass 443	15.0
442	40.0 - 110.0% of mass 198	86.3
443	15.0 - 24.0% of mass 442	16.6 (19.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	T4-S3-01-F	JQ33O	JQ33O20	08/04/06	2109
02	T4-S3-01-G	JQ33P	JQ33P10	08/04/06	2133
03					
04					
05					
06					
07					
08					
09					
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16					
17					
18					
19					
20					
21					
22					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

Instrument ID: NT1 Project: T4EARLY ACTION

DFTPP Injection Date: 08/07/06 DFTPP Injection Time: 1024

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	41.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	43.7
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	25.0 - 75.0% of mass 198	45.2
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.2
275	10.0 - 30.0% of mass 198	19.0
365	Greater than 0.75% of mass 198	1.92
441	Present, but less than mass 443	13.1
442	40.0 - 110.0% of mass 198	73.5
443	15.0 - 24.0% of mass 442	14.5 (19.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		CC0807	CC0807	08/07/06	1039
02	T4-B414-01-A	JQ33A	JQ33A400	08/07/06	1205
03	T4-B414-02-A MSD	JQ33DMSD	JQ33DMSD	08/07/06	1613
04	T4-S3-01-D	JQ33M	JQ33M10	08/07/06	1638
05	T4-S3-01-E	JQ33N	JQ33N	08/07/06	1703
06	T4-S3-01-H	JQ33Q	JQ33Q	08/07/06	1728
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

Instrument ID: NT1 Project: T4EARLY ACTION

DFTPP Injection Date: 08/08/06 DFTPP Injection Time: 0911

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	42.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	41.9
70	Less than 2.0% of mass 69	0.1 (0.3)1
127	25.0 - 75.0% of mass 198	44.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	18.6
365	Greater than 0.75% of mass 198	1.90
441	Present, but less than mass 443	12.4
442	40.0 - 110.0% of mass 198	69.7
443	15.0 - 24.0% of mass 442	13.2 (18.9)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		CC0808	CC0808	08/08/06	0927
02	T4-B414-02-B	JQ33E	JQ33E	08/08/06	1132
03					
04					
05					
06					
07					
08					
09					
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11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V SV

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

ARI Job No: JQ33 Project: T4EARLY ACTION

Cont. Calib. ID: IC0803A Date Analyzed: 08/04/06

Instrument ID: NT1 Time Analyzed: 1025

		IS1(NPT) AREA	#	RT	#	IS2(ANT) AREA	#	RT	#	IS3(PHN) AREA	#	RT	#
	12 HOUR STD	222814		6.88		123591		8.95		200797		10.76	
	UPPER LIMIT	445628		7.38		247182		9.45		401594		11.26	
	LOWER LIMIT	111407		6.38		61796		8.45		100398		10.26	
	CLIENT SAMP. NO.												
01	JQ33MBS1	232087		6.88		116948		8.95		201358		10.76	
02	JQ33LCSS1	242062		6.88		131310		8.95		217726		10.76	
03	T4-B414-01-A	269722		6.88		143124		8.95		234650		10.76	
04	T4-B414-01-B	253684		6.89		137858		8.95		229584		10.76	
05	T4-B414-01-C	251304		6.88		136383		8.95		218514		10.76	
06	T4-B414-02-A	250830		6.89		139170		8.95		226881		10.76	
07	T4-B414-02-A	286926		6.88		153185		8.95		242209		10.76	
08	T4-B414-02-C	266003		6.88		142673		8.95		228052		10.76	
09	T4-B414-03-A	267089		6.88		148727		8.95		233614		10.76	
10	T4-B414-03-B	269385		6.88		143637		8.95		230650		10.76	
11	T4-B414-03-C	267919		6.88		144260		8.95		242100		10.76	
12	T4-B414-04-A	260269		6.88		142460		8.95		229532		10.76	
13	T4-B414-04-B	247787		6.88		134801		8.95		225260		10.76	
14	T4-B414-04-C	244088		6.88		139139		8.95		216520		10.76	
15	T4-S3-01-D	256942		6.88		141892		8.95		226524		10.76	
16	T4-S3-01-E	271920		6.89		145808		8.95		236513		10.76	
17	T4-S3-01-F	252583		6.88		137446		8.95		226835		10.76	
18	T4-S3-01-G	273354		6.89		144693		8.95		235162		10.76	
19													
20													
21													
22													

IS1 (NPT) = Naphthalene-d8
IS2 (ANT) = Acenaphthene-d10
IS3 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

ARI Job No: JQ33 Project: T4EARLY ACTION

Cont. Calib. ID: IC0803A Date Analyzed: 08/04/06

Instrument ID: NT1 Time Analyzed: 1025

		IS4(CRY) AREA	#	RT	#	IS5(PRY) AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD	171210		14.08		183426		16.03					
	UPPER LIMIT	342420		14.58		366852		16.53					
	LOWER LIMIT	85605		13.58		91713		15.53					
	CLIENT SAMP. NO.												
01	JQ33MBS1	181056		14.07		177519		16.03					
02	JQ33LCSS1	192039		14.07		188994		16.03					
03	T4-B414-01-A	239002		14.09		230123		16.05					
04	T4-B414-01-B	206616		14.08		217551		16.03					
05	T4-B414-01-C	201248		14.08		207051		16.03					
06	T4-B414-02-A	206452		14.08		210860		16.03					
07	T4-B414-02-A	211508		14.08		209035		16.03					
08	T4-B414-02-C	213090		14.08		208949		16.03					
09	T4-B414-03-A	213580		14.08		210994		16.03					
10	T4-B414-03-B	209106		14.08		212426		16.03					
11	T4-B414-03-C	235399		14.08		231697		16.04					
12	T4-B414-04-A	222385		14.08		203749		16.04					
13	T4-B414-04-B	220402		14.08		208456		16.04					
14	T4-B414-04-C	196332		14.08		190131		16.03					
15	T4-S3-01-D	204610		14.08		193008		16.03					
16	T4-S3-01-E	211864		14.07		204121		16.03					
17	T4-S3-01-F	199033		14.08		188672		16.03					
18	T4-S3-01-G	211801		14.07		200625		16.03					
19													
20													
21													
22													

IS4 (CRY) = Chrysene-d12
IS5 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

ARI Job No: JQ33 Project: T4EARLY ACTION

Cont. Calib. ID: CC0807 Date Analyzed: 08/07/06

Instrument ID: NT1 Time Analyzed: 1039

		IS1(NPT) AREA	#	RT	#	IS2(ANT) AREA	#	RT	#	IS3(PHN) AREA	#	RT	#
	12 HOUR STD	231039		6.89		129131		8.95		212850		10.76	
	UPPER LIMIT	462078		7.39		258262		9.45		425700		11.26	
	LOWER LIMIT	115520		6.39		64566		8.45		106425		10.26	
	CLIENT SAMP. NO.												
01	T4-B414-01-A	246370		6.89		132639		8.95		226457		10.77	
02	T4-B414-02-A	243802		6.89		135461		8.95		217457		10.77	
03	T4-S3-01-D	191997		6.89		109595		8.96		181216		10.76	
04	T4-S3-01-E	232216		6.89		124202		8.95		206056		10.77	
05	T4-S3-01-H	236820		6.89		130040		8.95		209660		10.77	
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 (NPT) = Naphthalene-d8
IS2 (ANT) = Acenaphthene-d10
IS3 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

ARI Job No: JQ33 Project: T4EARLY ACTION

Cont. Calib. ID: CC0807 Date Analyzed: 08/07/06

Instrument ID: NT1 Time Analyzed: 1039

		IS4(CRY) AREA	#	RT	#	IS5(PRY) AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD	190817		14.08		197592		16.03					
	UPPER LIMIT	381634		14.58		395184		16.53					
	LOWER LIMIT	95408		13.58		98796		15.53					
	CLIENT SAMP. NO.												
01	T4-B414-01-A	201812		14.08		195108		16.03					
02	T4-B414-02-A	201762		14.08		209436		16.04					
03	T4-S3-01-D	173999		14.09		172020		16.05					
04	T4-S3-01-E	208263		14.10		203544		16.06					
05	T4-S3-01-H	191739		14.08		194767		16.04					
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS4 (CRY) = Chrysene-d12
IS5 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

ARI Job No: JQ33 Project: T4EARLY ACTION

Cont. Calib. ID: CC0808 Date Analyzed: 08/08/06

Instrument ID: NT1 Time Analyzed: 0927

		IS1(NPT) AREA	#	RT	#	IS2(ANT) AREA	#	RT	#	IS3(PHN) AREA	#	RT	#
	12 HOUR STD	260380		6.88		135690		8.95		210931		10.75	
	UPPER LIMIT	520760		7.38		271380		9.45		421862		11.25	
	LOWER LIMIT	130190		6.38		67845		8.45		105466		10.25	
	CLIENT SAMP. NO.												
01	T4-B414-02-B	254624		6.88		133732		8.95		214656		10.76	
02													
03													
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 (NPT) = Naphthalene-d8
IS2 (ANT) = Acenaphthene-d10
IS3 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

ARI Job No: JQ33 Project: T4EARLY ACTION

Cont. Calib. ID: CC0808 Date Analyzed: 08/08/06

Instrument ID: NT1 Time Analyzed: 0927

		IS4(CRY) AREA	#	RT	#	IS5(PRY) AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD	190595		14.07		193807		16.02					
	UPPER LIMIT	381190		14.57		387614		16.52					
	LOWER LIMIT	95298		13.57		96904		15.52					
	CLIENT SAMP. NO.												
01	T4-B414-02-B	202193		14.08		204528		16.03					
02													
03													
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS4 (CRY) = Chrysene-d12
IS5 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SIM Semivolatile Analysis
Sample Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ33

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-01-A
SAMPLE

Lab Sample ID: JQ33A
LIMS ID: 06-12923
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 15:22
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 20.0
Percent Moisture: 44.8%
pH: 7.1

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	98	1,100	
91-57-6	**2-Methylnaphthalene**	98	3,200	
90-12-0	**1-Methylnaphthalene**	98	1,300	
208-96-8	Acenaphthylene	98	< 98	U
83-32-9	**Acenaphthene**	98	13,000	E
86-73-7	**Fluorene**	98	9,800	
85-01-8	**Phenanthrene**	98	52,000	EB
120-12-7	**Anthracene**	98	13,000	E
206-44-0	**Fluoranthene**	98	73,000	E
129-00-0	**Pyrene**	98	52,000	E
56-55-3	**Benzo(a)anthracene**	98	42,000	E
218-01-9	**Chrysene**	98	54,000	E
205-99-2	**Benzo(b)fluoranthene**	98	73,000	E
207-08-9	**Benzo(k)fluoranthene**	98	35,000	E
50-32-8	**Benzo(a)pyrene**	98	54,000	E
193-39-5	**Indeno(1,2,3-cd)pyrene**	98	28,000	E
53-70-3	**Dibenz(a,h)anthracene**	98	11,000	E
191-24-2	**Benzo(g,h,i)perylene**	98	27,000	E
198-55-0	**Perylene**	98	18,000	E
92-52-4	**Biphenyl**	98	770	
581-42-0	**2,6-Dimethylnaphthalene**	98	830	
832-69-9	**1-Methylphenanthrene**	98	2,300	
192-97-2	**Benzo(e)pyrene**	98	37,000	E
2245-38-7	**2,3,5-Trimethylnaphthalene**	98	210	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	87.3%
d14-Dibenzo(a,h)anthracen	66.7%

0153

8/7/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33a20.d
Lab Smp Id: JQ33A Client Smp ID: T4-B414-01-A
Inj Date : 04-AUG-2006 15:22
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33A,20
Misc Info : 06-12923
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 13
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	20.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	18.50000	Weight of sample extracted (g)
M	44.80000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.885	6.883	(1.000)	269722	2.00000	
	2 Naphthalene	128	6.909	6.907	(1.003)	149685	1.11260	1090
$	3 2-Methylnaphthalene-d10	152	7.641	7.640	(1.110)	9073	0.13060	127.9
	4 2-Methylnaphthalene	142	7.677	7.681	(1.115)	261670	3.28428	3216
	5 1-Methylnaphthalene	142	7.813	7.811	(1.135)	113875	1.36259	1334
	7 Acenaphthylene	152	Compound Not Detected.					
*	8 Acenaphthene-d10	164	8.947	8.946	(1.000)	143124	2.00000	
	9 Acenaphthene	153	8.989	8.987	(1.005)	932861	13.2742 E	13000
	10 Dibenzofuran	168	9.178	9.170	(1.026)	487774	4.71210	4614
	11 Fluorene	166	9.598	9.596	(1.073)	804466	9.98283	9776 (M)
*	15 Phenanthrene-d10	188	10.762	10.760	(1.000)	234650	2.00000	
	16 Phenanthrene	178	10.803	10.790	(1.004)	6400902	53.1450 EB	52040
	17 Anthracene	178	10.851	10.843	(1.008)	1574540	13.0817 E	12810
	19 Fluoranthene	202	12.304	12.279	(1.143)	9125823	74.2855 E	72740

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	20 Pyrene	202	12.588	12.569	(0.893)	8102211	52.7934 E	51700
	22 Benzo(a)anthracene	228	14.072	14.052	(0.999)	6098108	42.3705 E	41490
*	23 Chrysene-d12	240	14.089	14.070	(1.000)	239002	2.00000	
	24 Chrysene	228	14.131	14.105	(1.003)	7261421	54.7005 E	53560
	28 Benzo(b)fluoranthene	252	15.496	15.447	(0.965)	9658084	74.3639 E	72820
	29 Benzo(k)fluoranthene	252	15.520	15.476	(0.967)	4884139	35.2747 E	34540(M)
	30 Benzo(a)pyrene	252	15.992	15.938	(0.996)	6959335	54.9921 E	53850(H)
*	31 Perylene-d12	264	16.051	16.026	(1.000)	230123	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	18.049	17.988	(1.124)	4089929	28.1029 E	27520
$	32 Dibenz(a,h)anthrancene-d14	292	17.937	17.906	(1.117)	8782	0.09972	97.65(M)
	34 Dibenz(a,h)anthracene	278	18.025	17.976	(1.123)	1346929	11.3291 E	11090
	35 Benzo(g,h,i)perylene	276	18.634	18.562	(1.161)	3351343	27.7025 E	27130
	48 Biphenyl	154	8.215	8.219	(0.918)	70093	0.79264	776.2
	49 2,6-Dimethylnaphthalene	156	8.410	8.408	(0.940)	59433	0.85334	835.6
	50 2,3,5-Trimethylnaphthalene	170	9.432	9.430	(1.054)	11780	0.20650	202.2
	51 1-Methylphenanthrene	192	11.566	11.564	(0.821)	227435	2.32476	2276
	52 Benzo(e)pyrene	252	15.898	15.861	(0.990)	5250706	37.4830 E	36700
	53 Perylene	252	16.099	16.068	(1.003)	2368514	18.0078 E	17630

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33a20.d
Lab Smp Id: JQ33A
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12923

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: T4-B414-01-A
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	269722	21.05
8 Acenaphthene-d10	123591	61796	247182	143124	15.80
15 Phenanthrene-d10	200797	100398	401594	234650	16.86
23 Chrysene-d12	171210	85605	342420	239002	39.60
31 Perylene-d12	183426	91713	366852	230123	25.46

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	0.00
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	0.00
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	0.00
23 Chrysene-d12	14.08	13.58	14.58	14.09	0.09
31 Perylene-d12	16.03	15.53	16.53	16.05	0.15

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

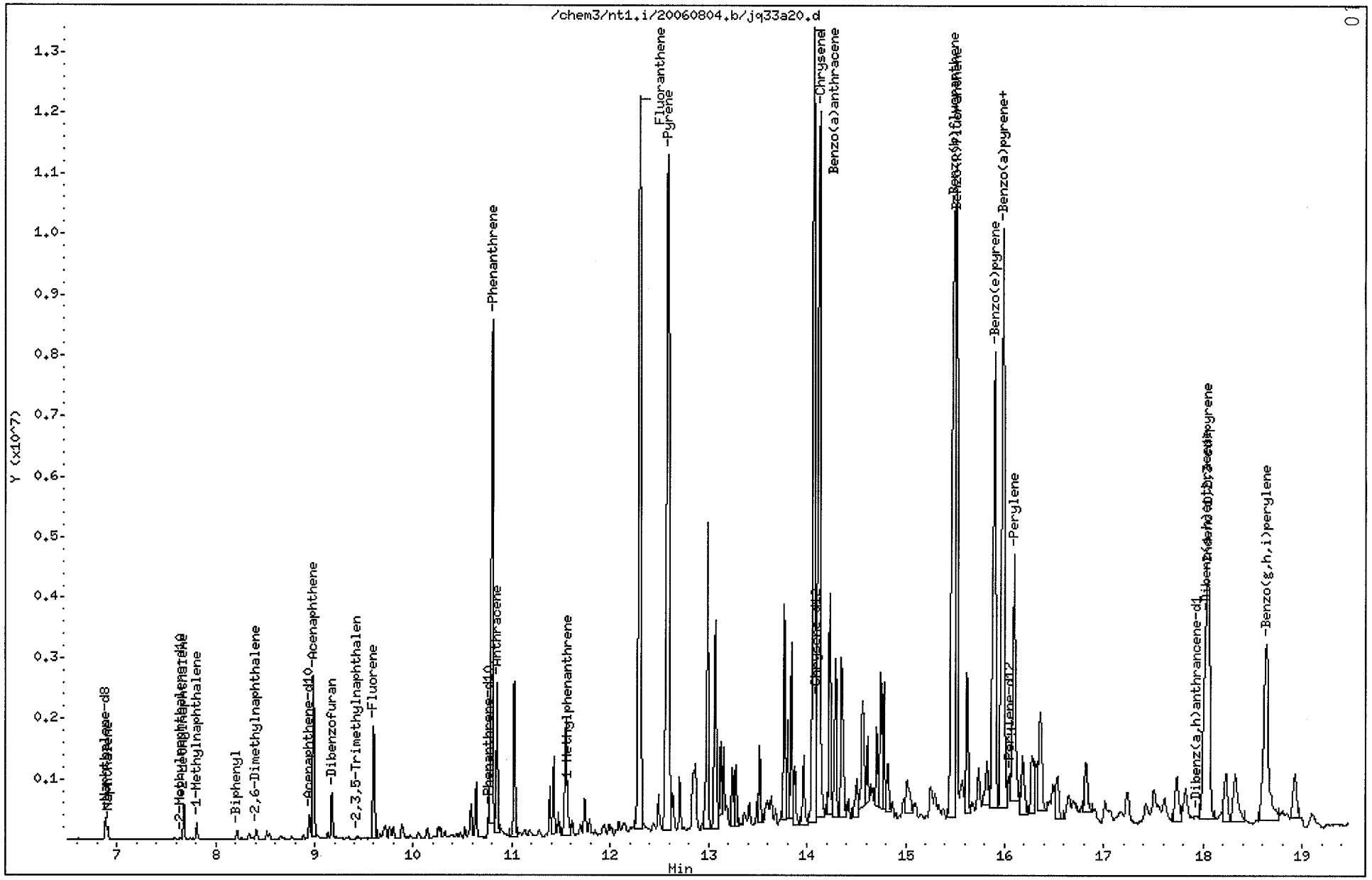
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33A
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12923

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-01-A
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	146.9	127.9	87.07	32-97
$ 32 Dibenz(a,h)anthran	146.9	97.65	66.48	21-105

Data File: /chem3/nt1.i/20060804.b/jq33a20.d
Date : 04-AUG-2006 15:22
Client ID: T4-B414-01-A
Sample Info: JQ33A,20
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

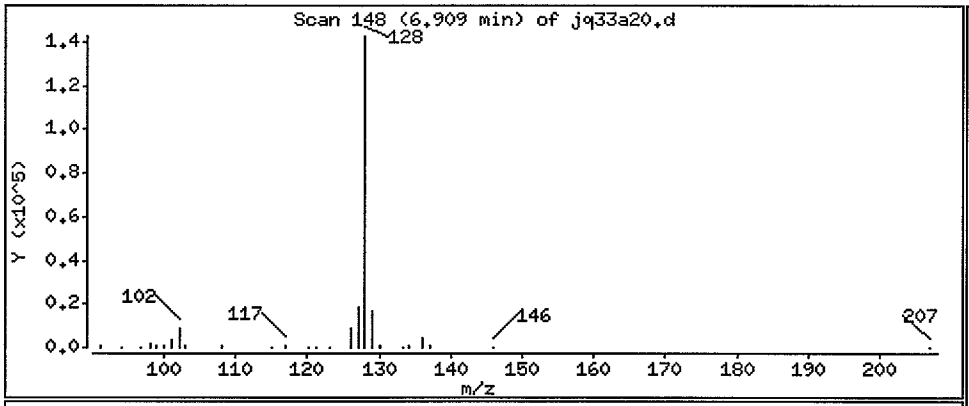
Operator: VTS

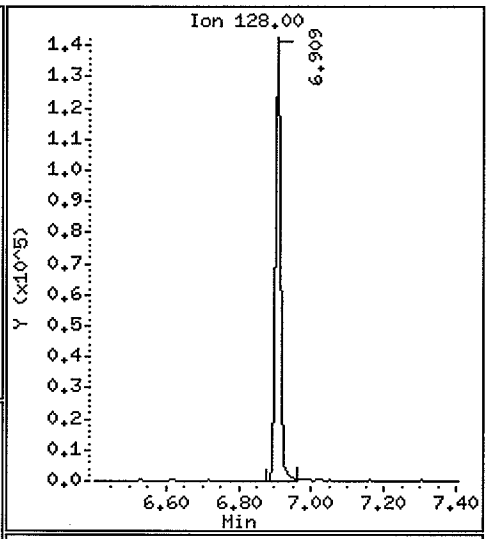
Column phase: ZB-5

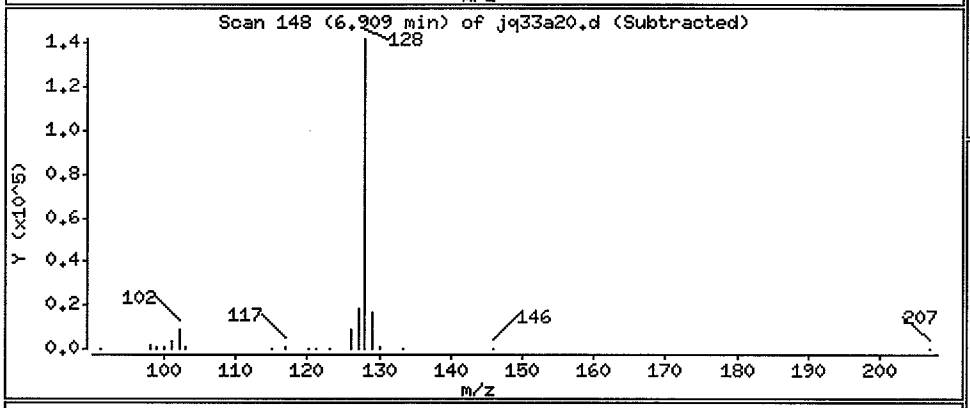
Column diameter: 0.25

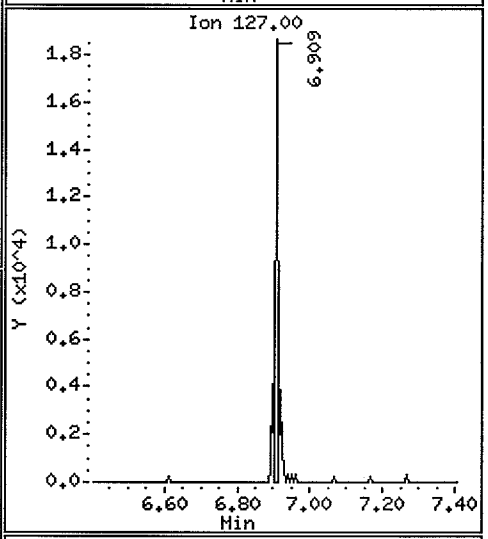
2 Naphthalene

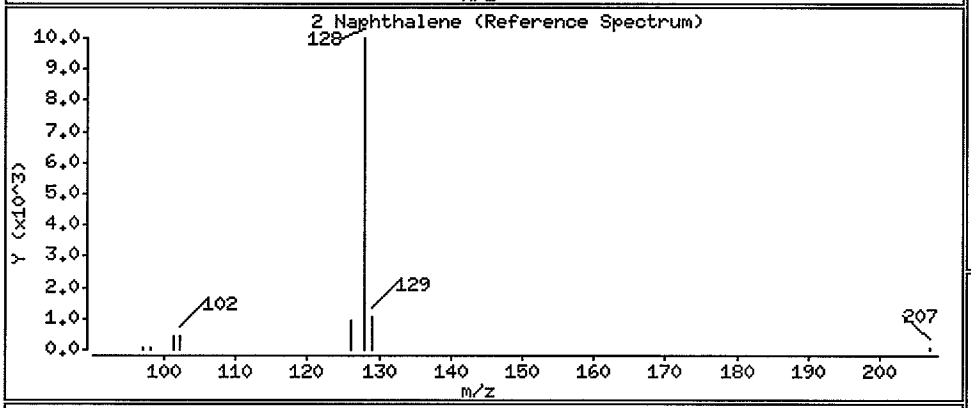
Concentration: 1090 ug/kg

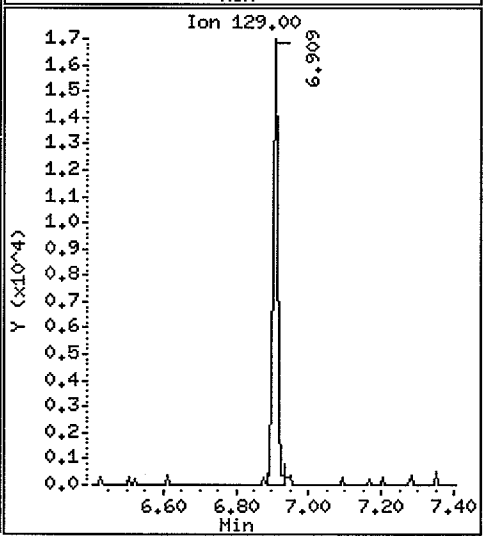


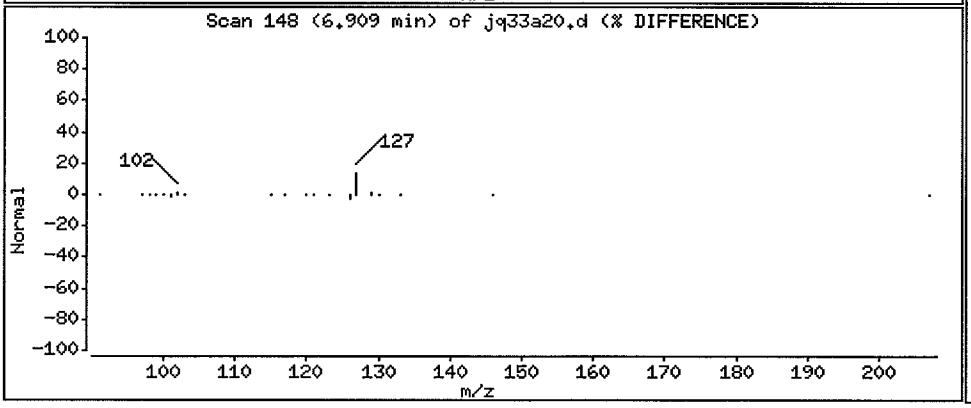












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

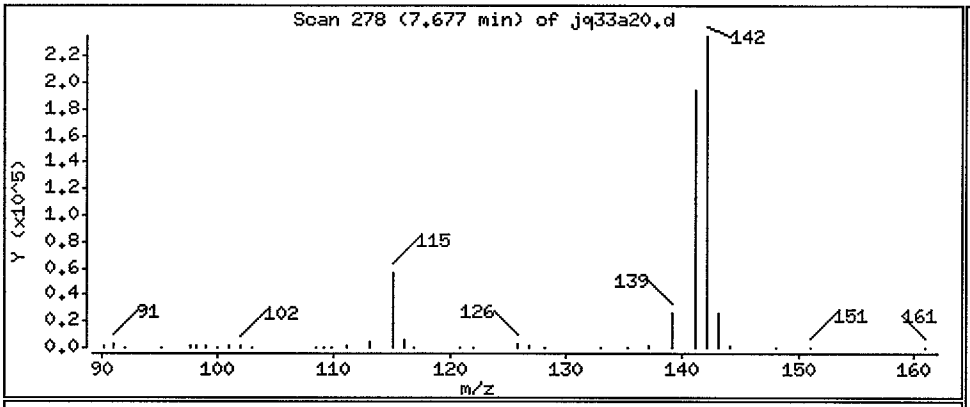
Operator: VTS

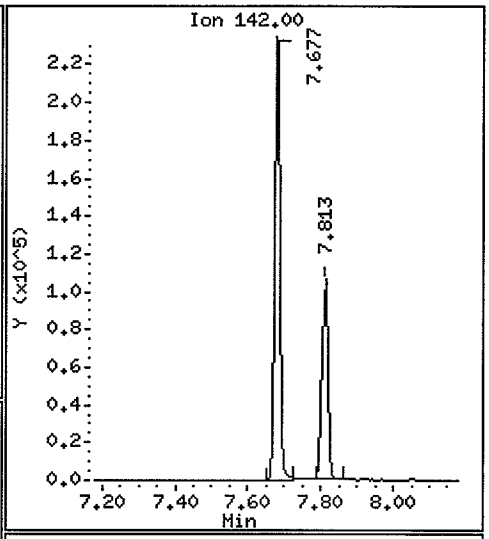
Column phase: ZB-5

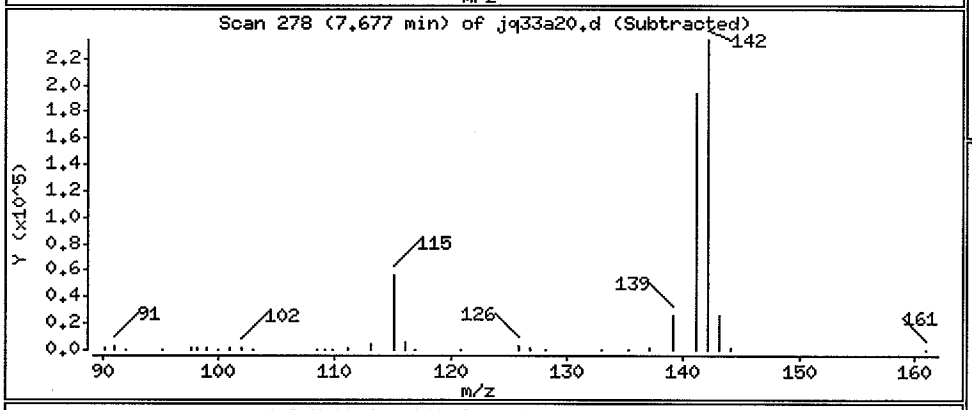
Column diameter: 0.25

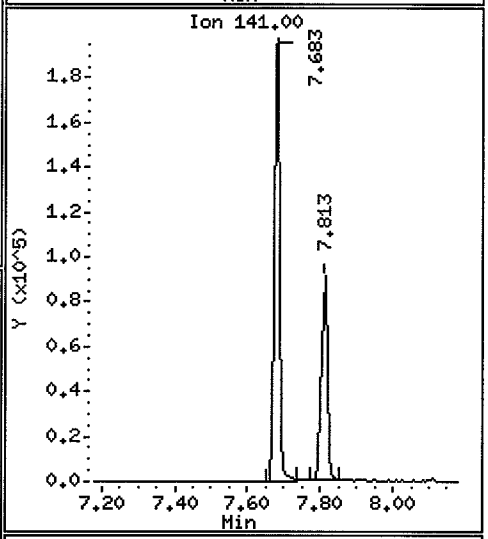
4 2-Methylnaphthalene

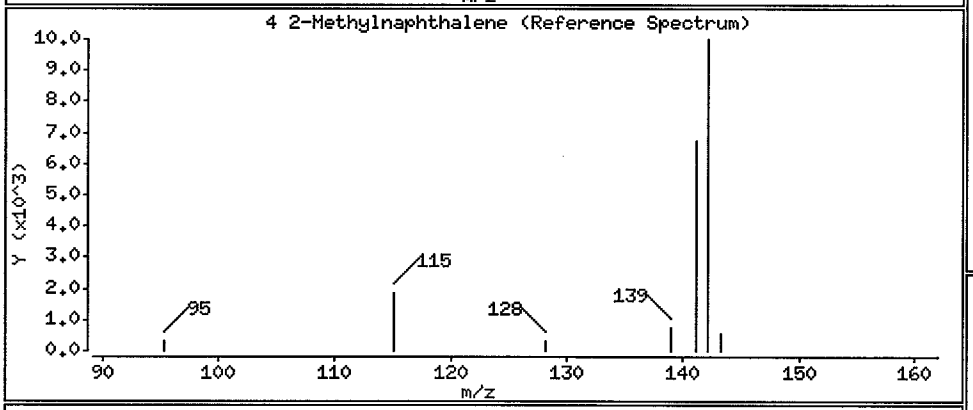
Concentration: 3216 ug/kg

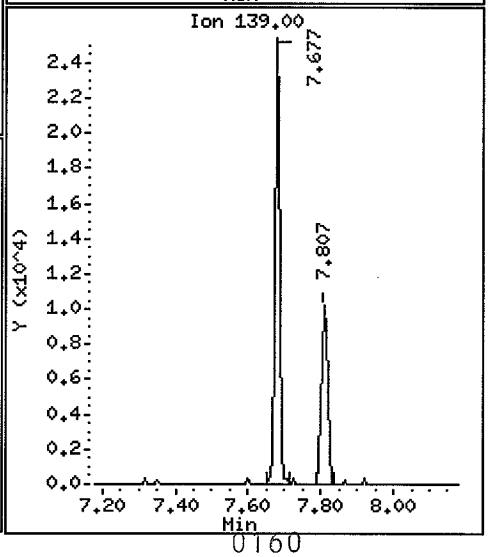


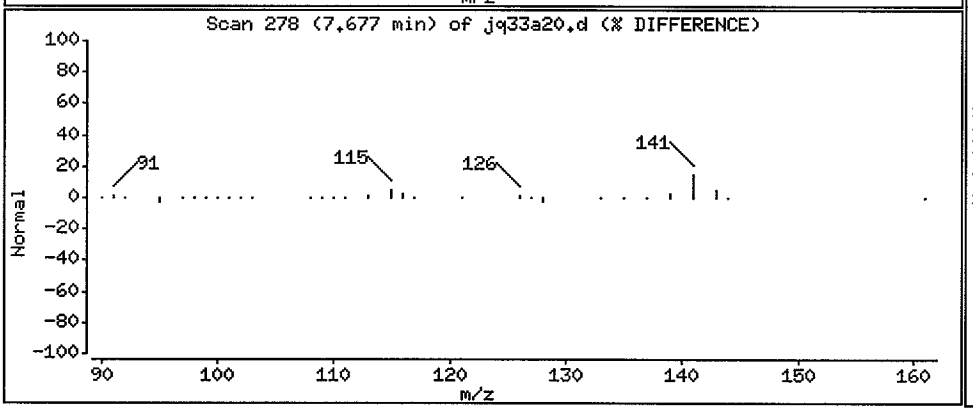












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

Operator: VTS

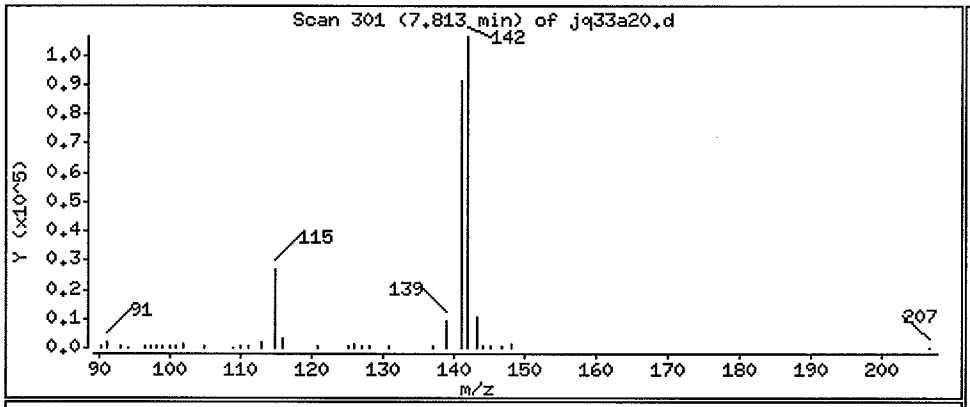
Column phase: ZB-5

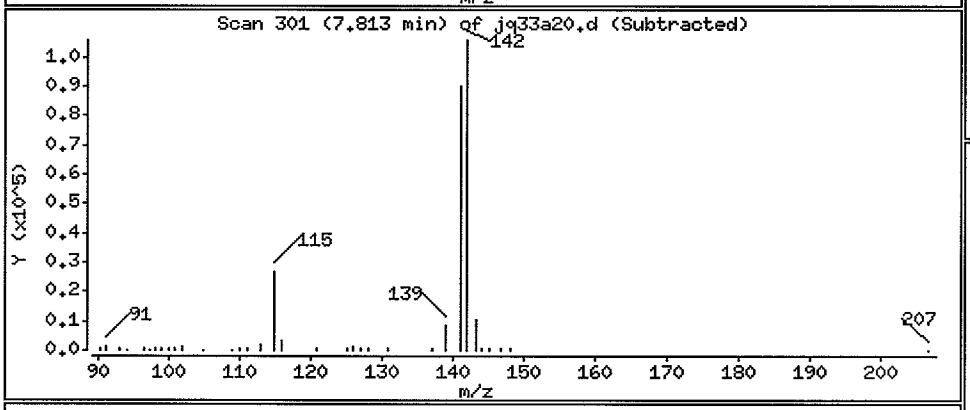
Column diameter: 0.25

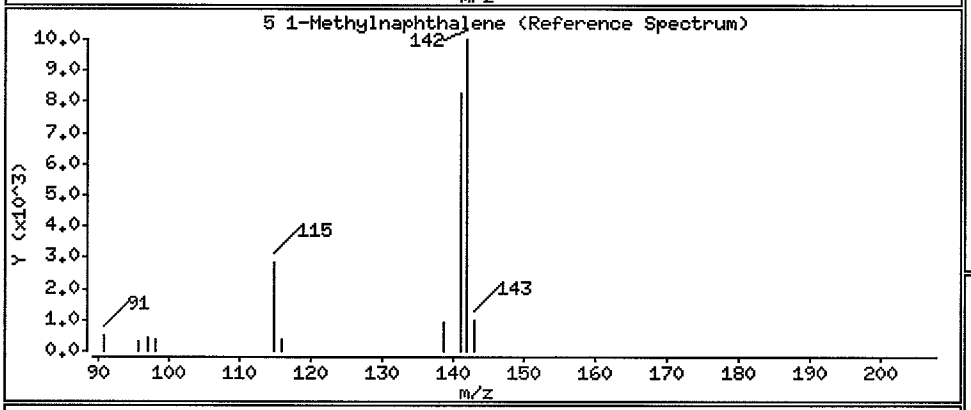
OK DMB 8/7/06

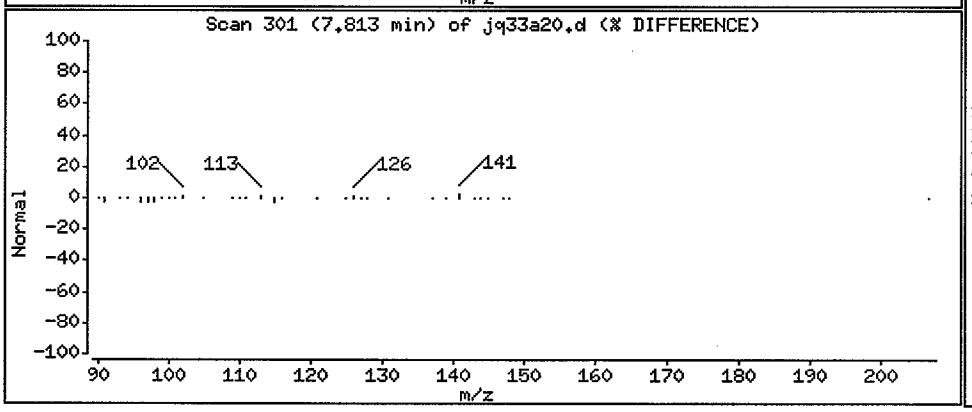
5 1-Methylnaphthalene

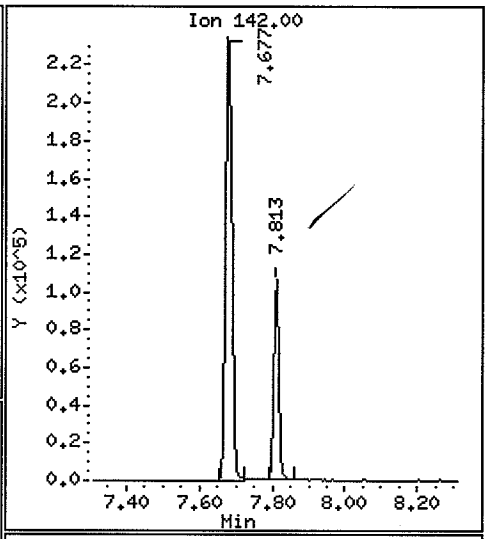
Concentration: 1334 ug/kg

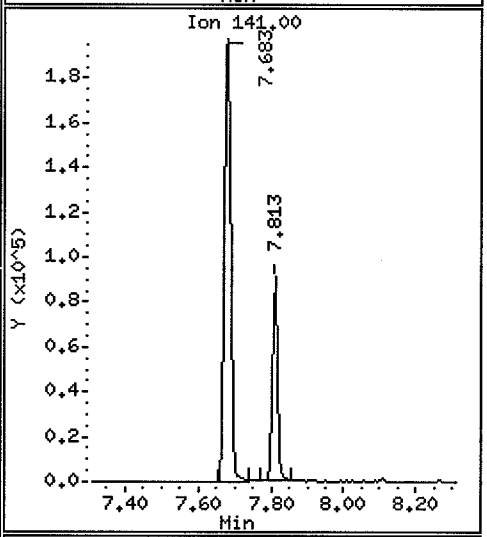


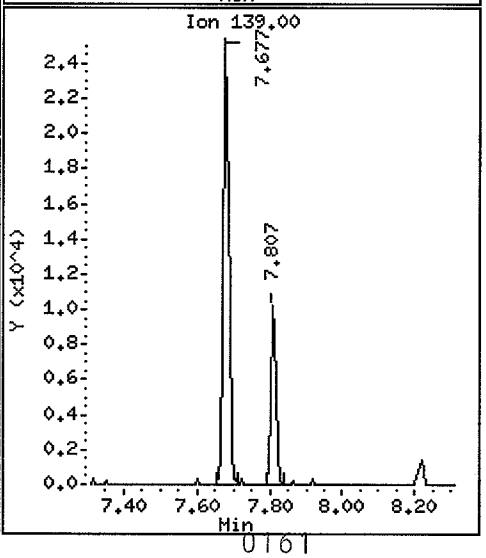












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

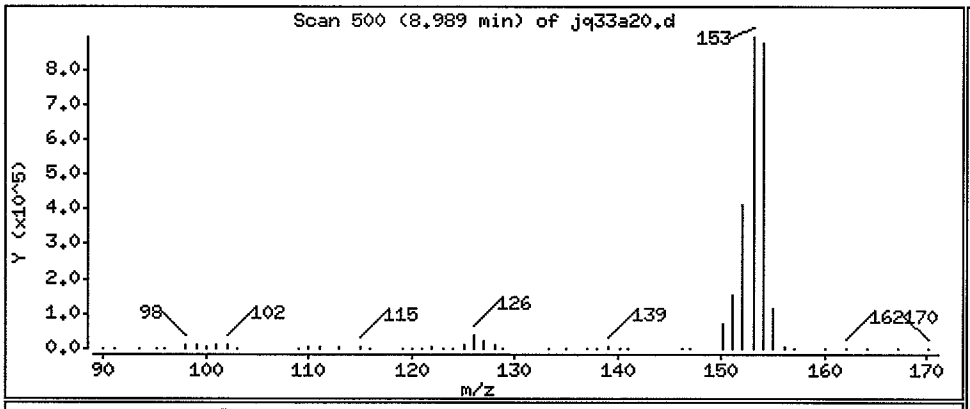
Operator: VTS

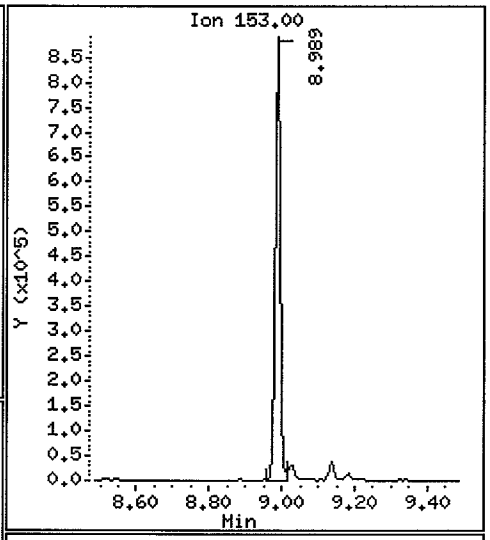
Column phase: ZB-5

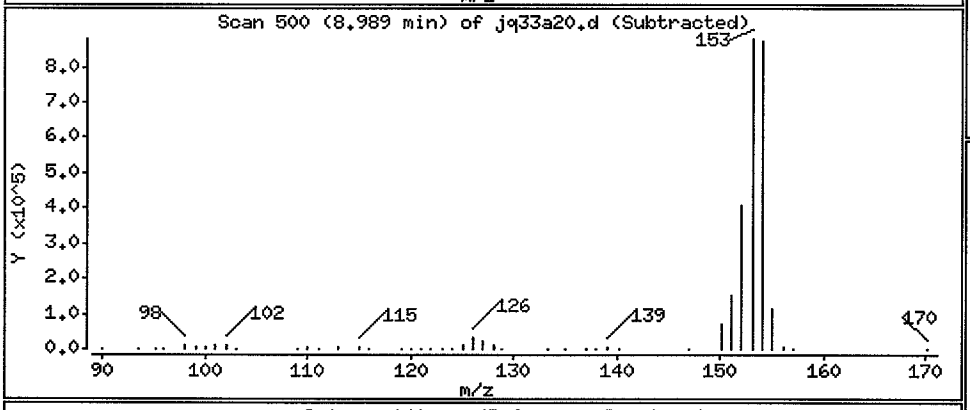
Column diameter: 0.25

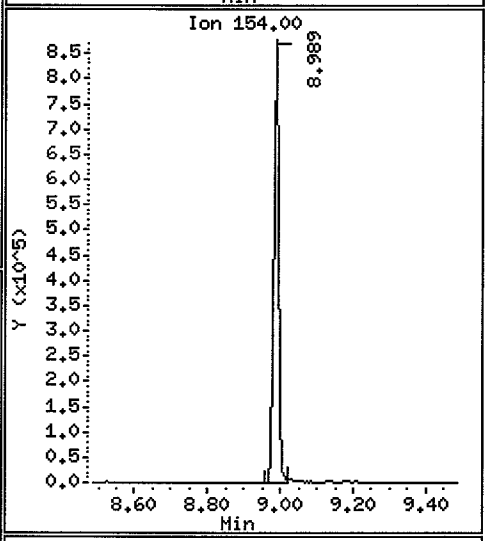
9 Acenaphthene

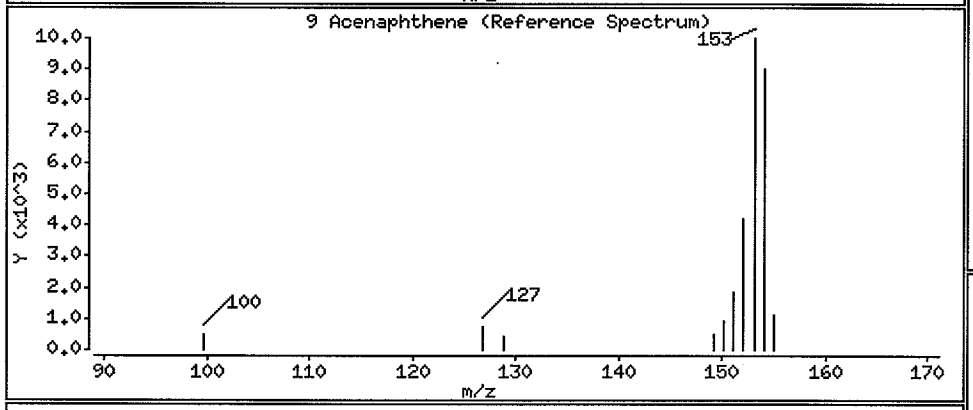
Concentration: 13000 ug/kg

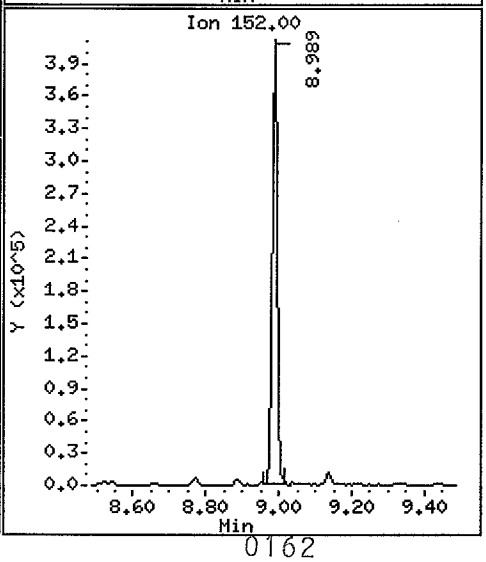


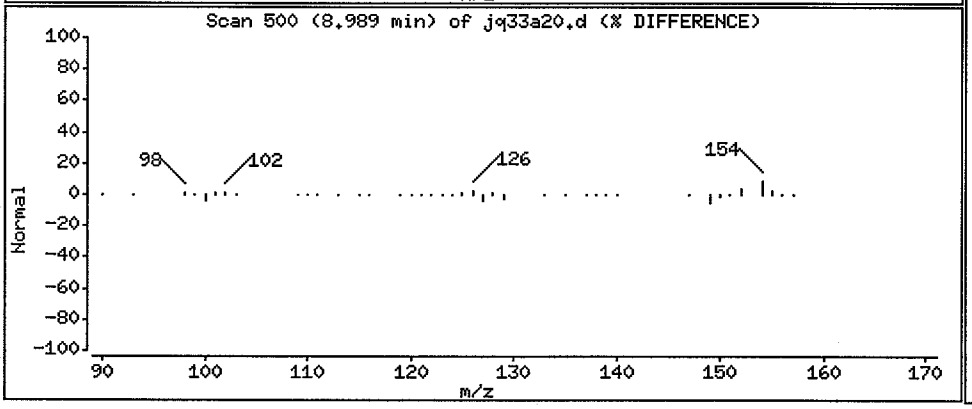












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

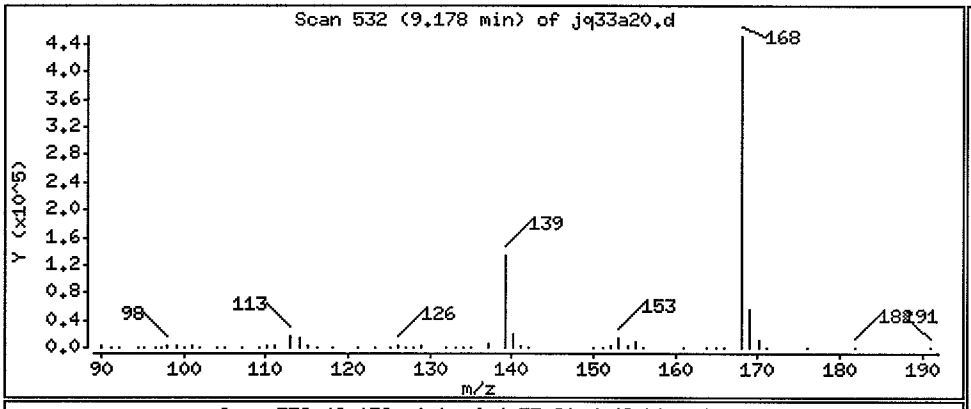
Operator: VTS

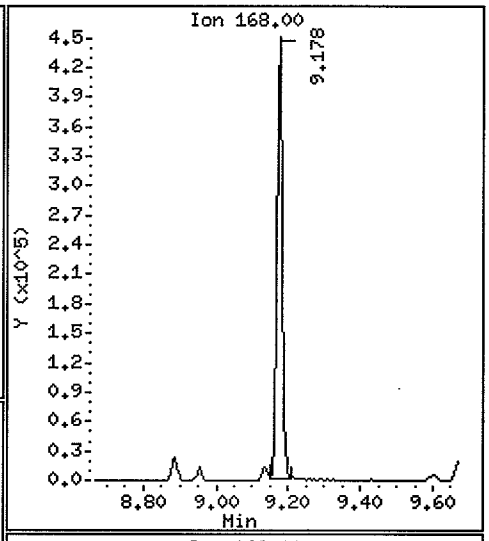
Column phase: ZB-5

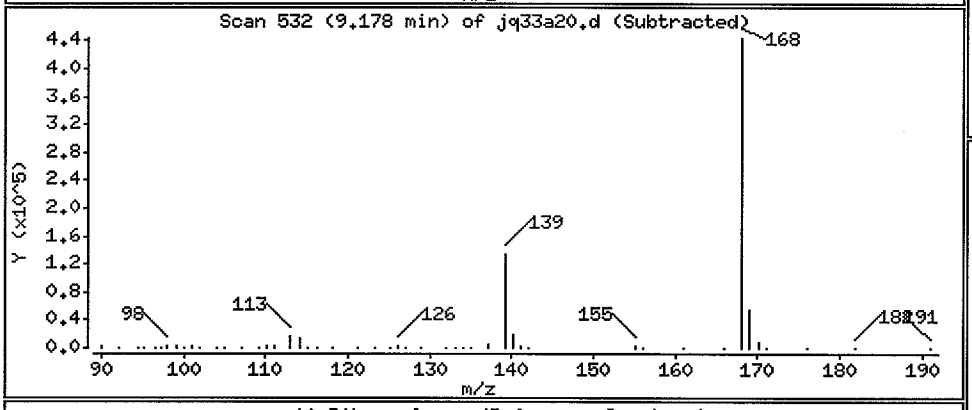
Column diameter: 0.25

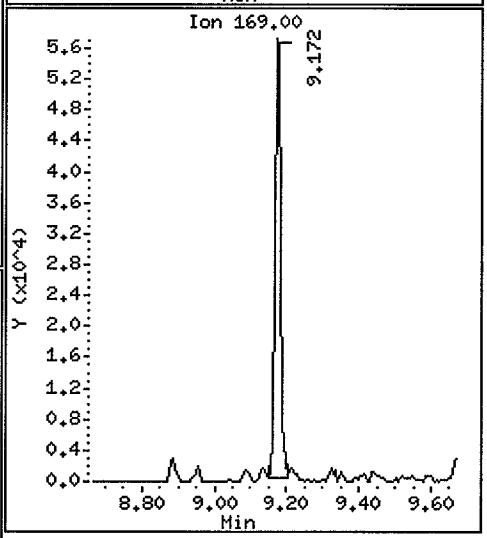
10 Dibenzofuran

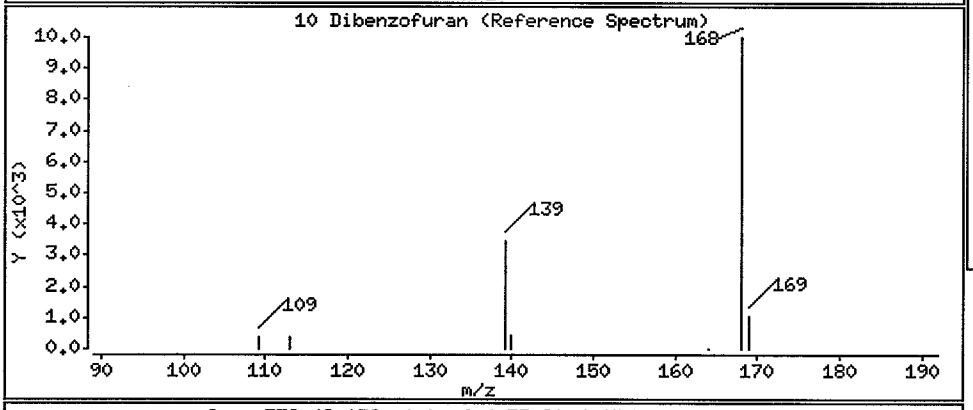
Concentration: 4614 ug/kg

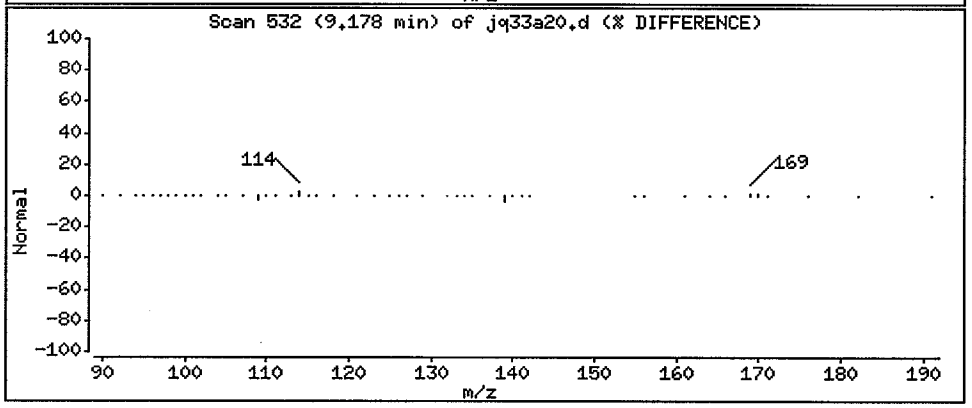












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

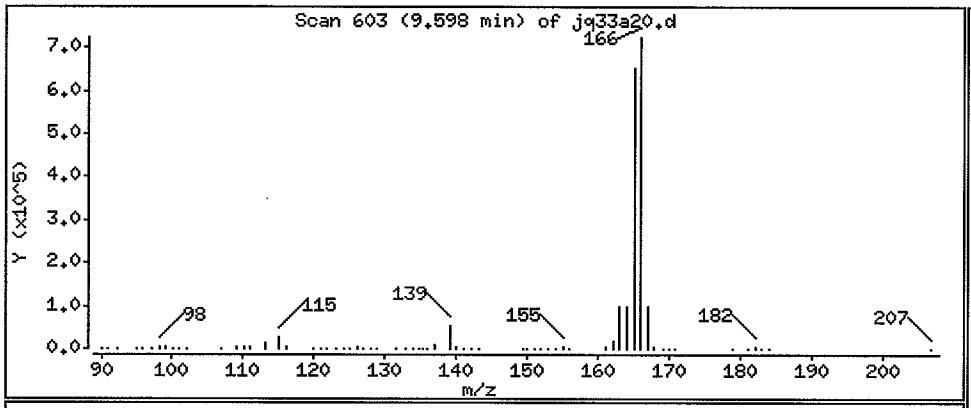
Operator: VTS

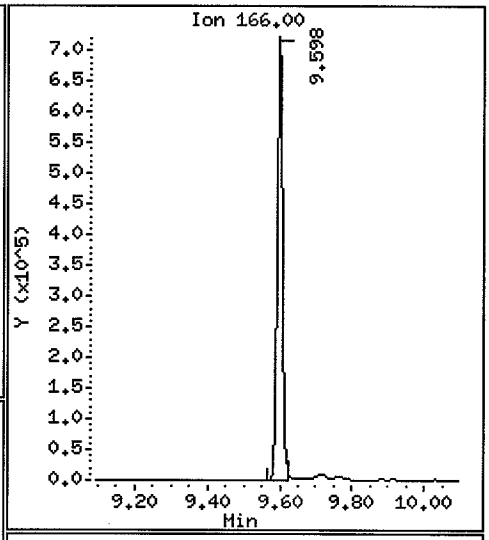
Column phase: ZB-5

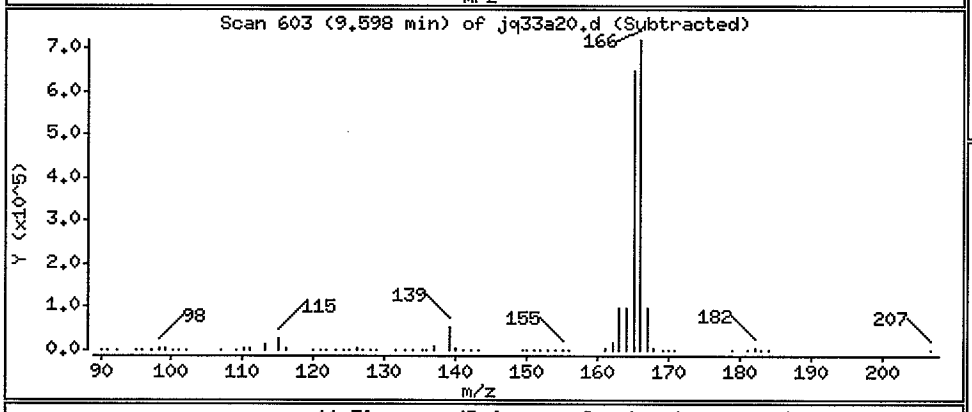
Column diameter: 0.25

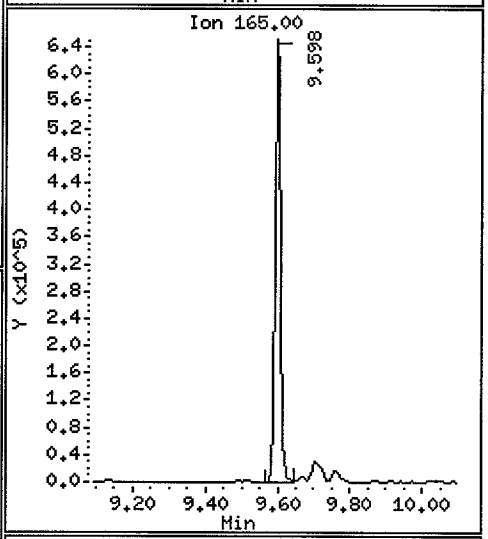
11 Fluorene

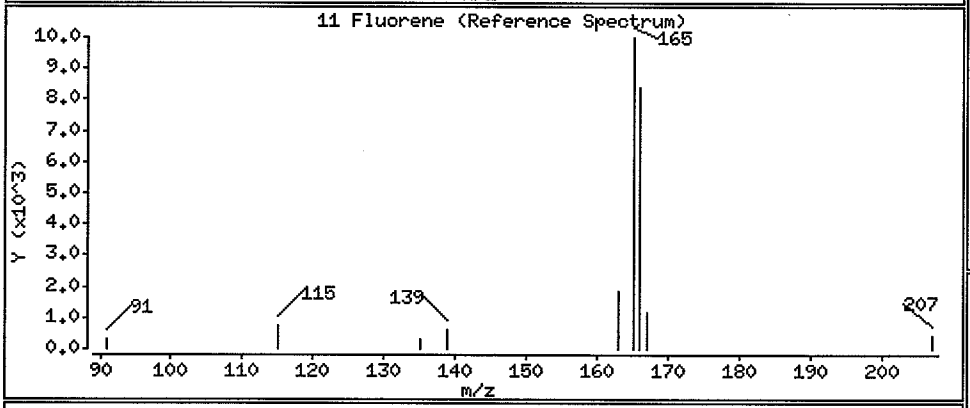
Concentration: 9776 ug/kg

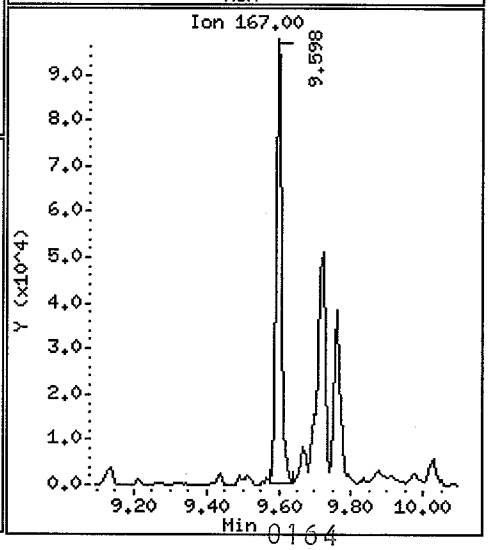


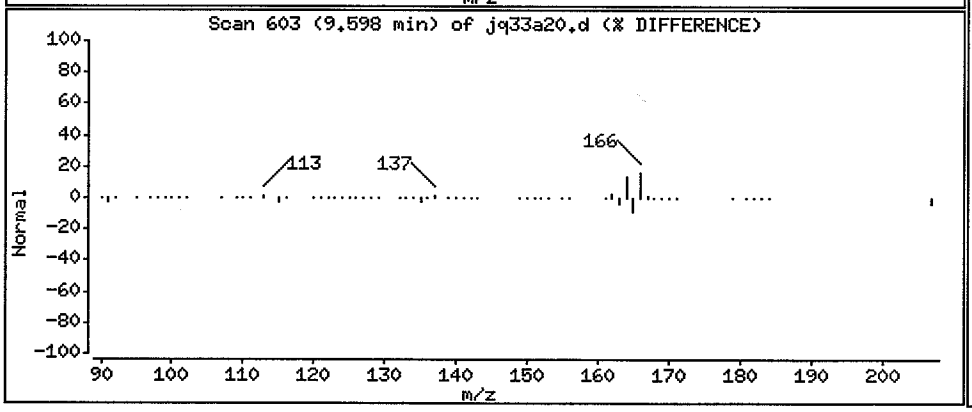












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

Operator: VTS

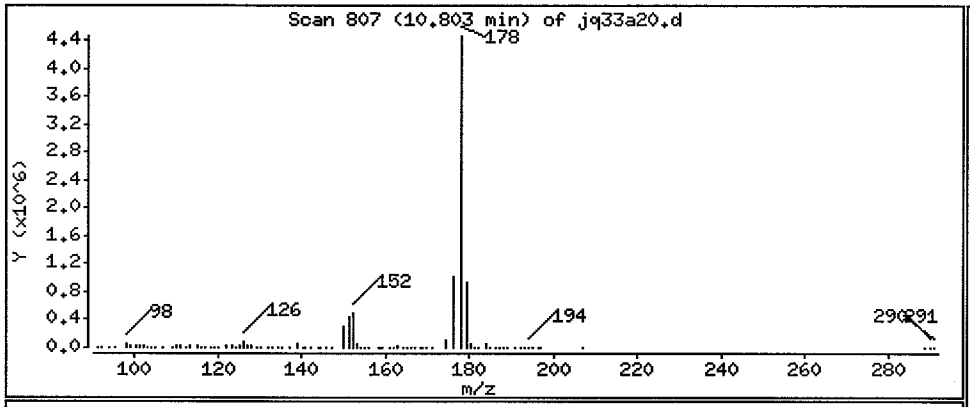
Column phase: ZB-5

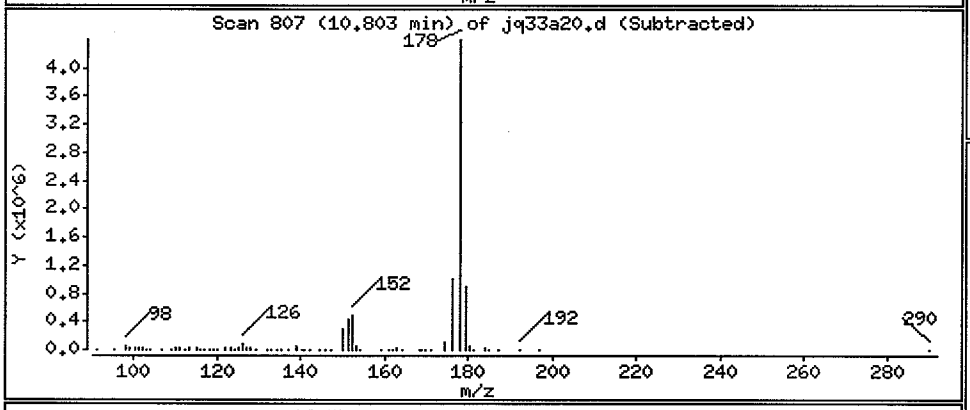
Column diameter: 0.25

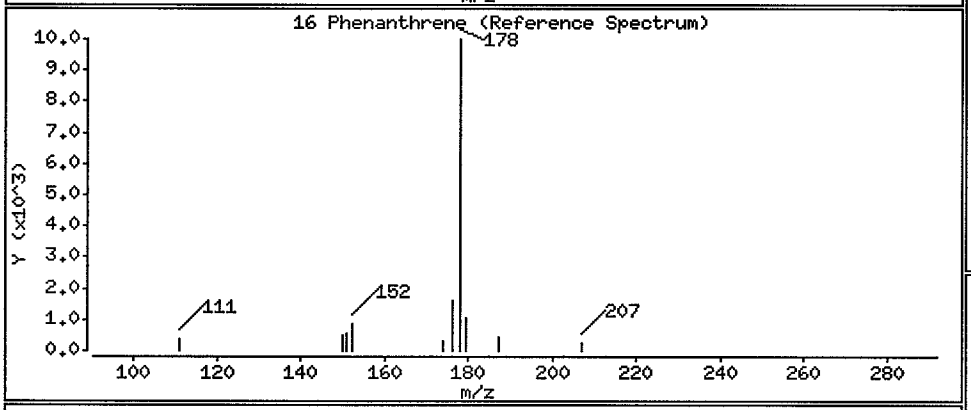
16 Phenanthrene

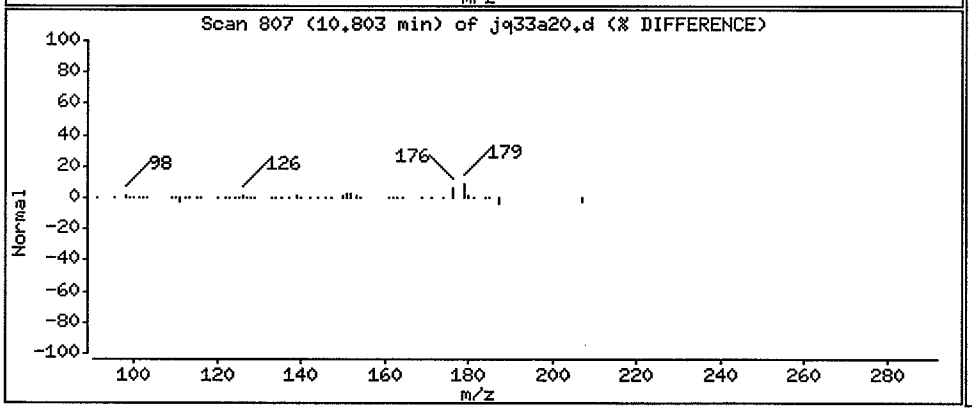
Concentration: 52040 ug/kg

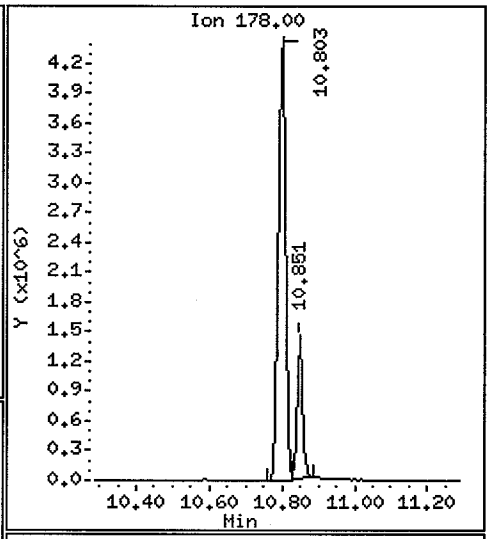
B

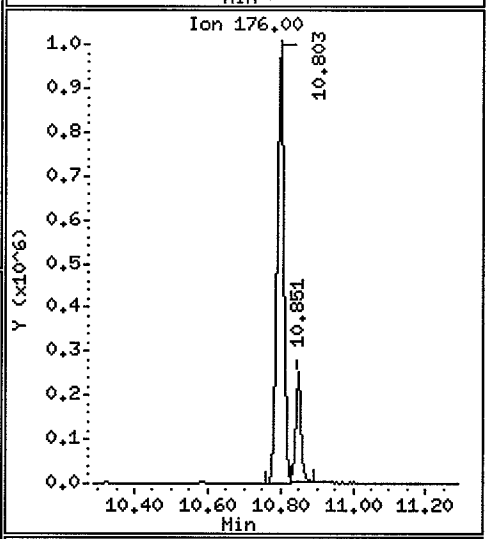


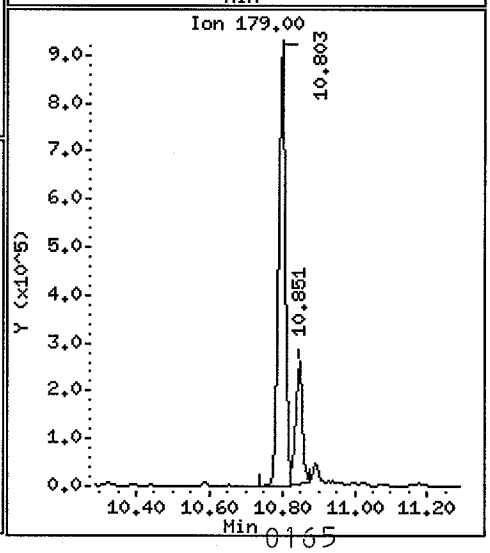












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

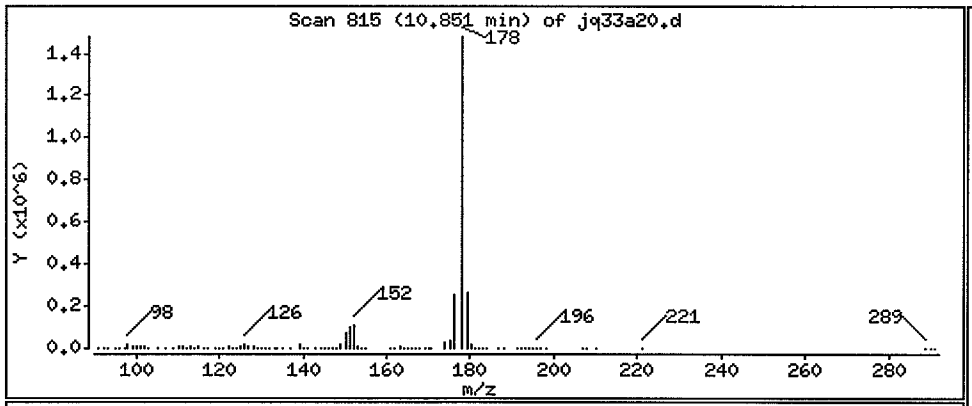
Operator: VTS

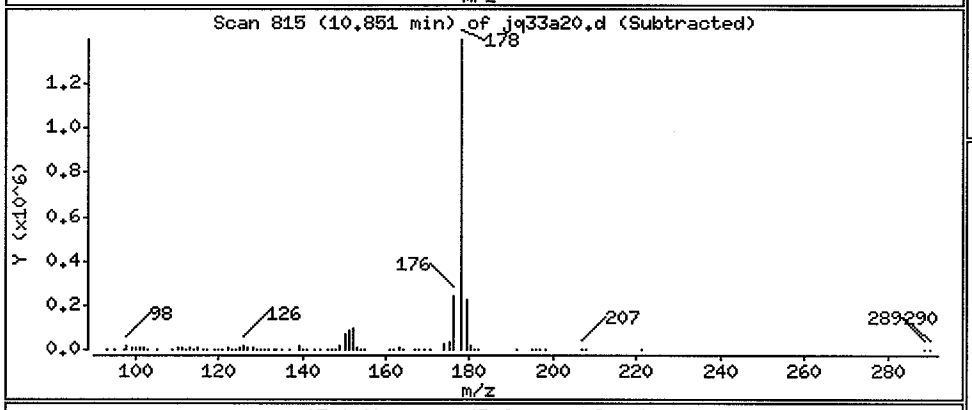
Column phase: ZB-5

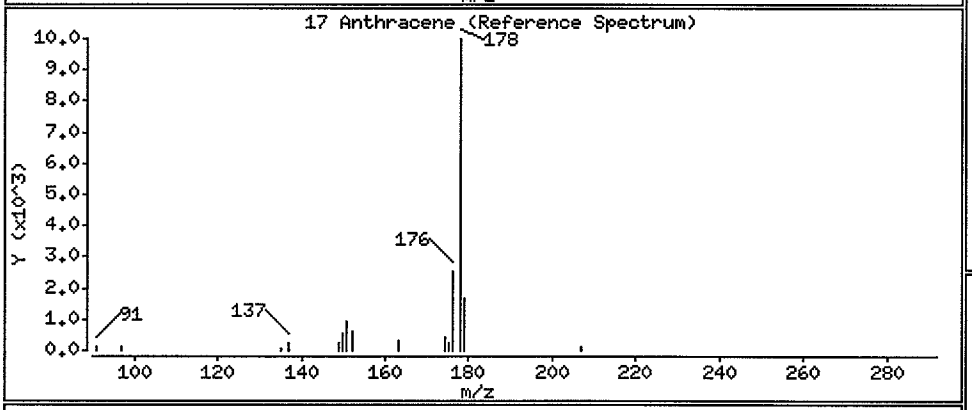
Column diameter: 0.25

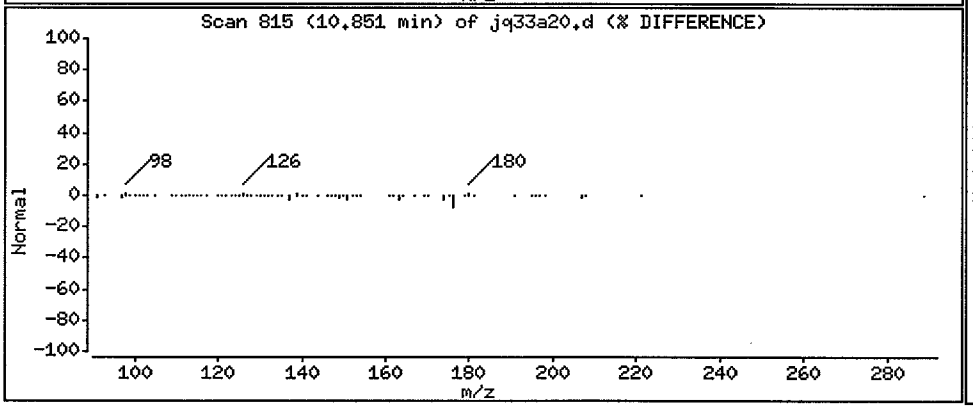
17 Anthracene

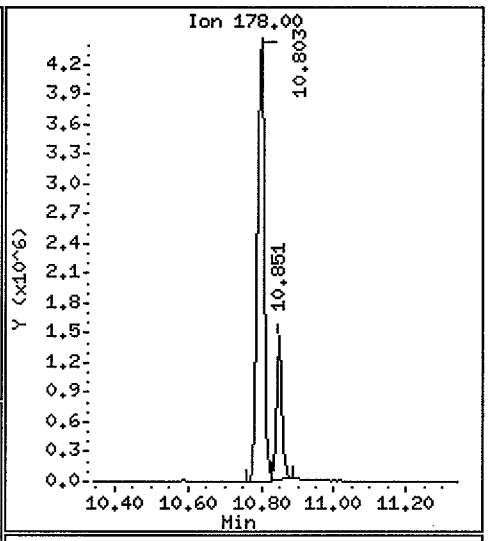
Concentration: 12810 ug/kg

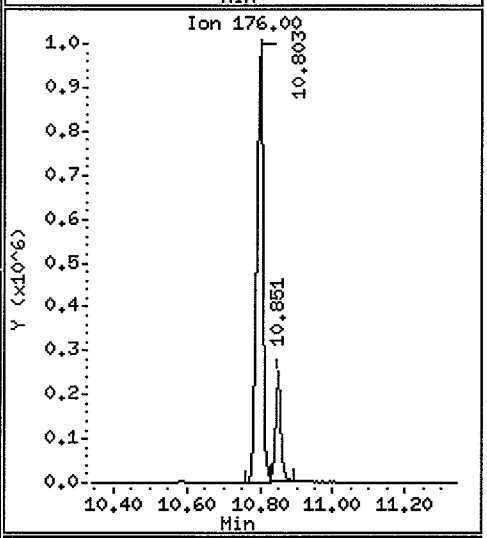


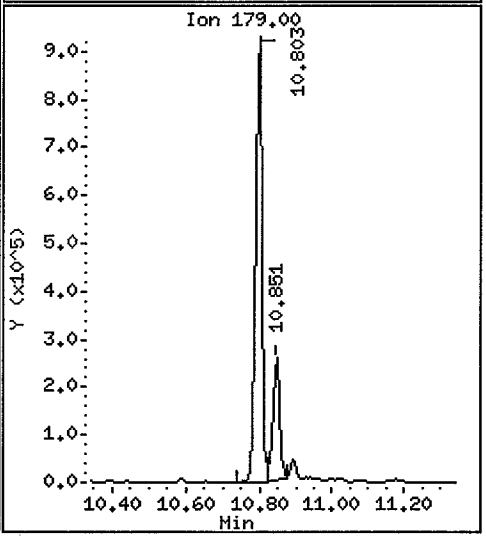












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

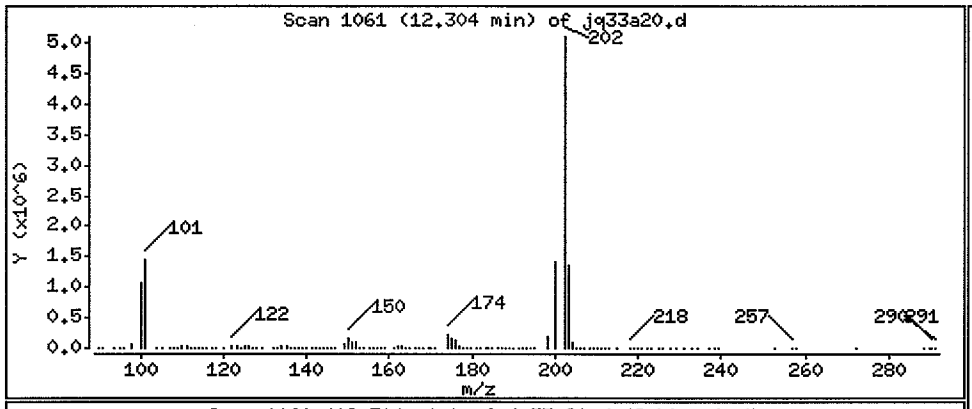
Operator: VTS

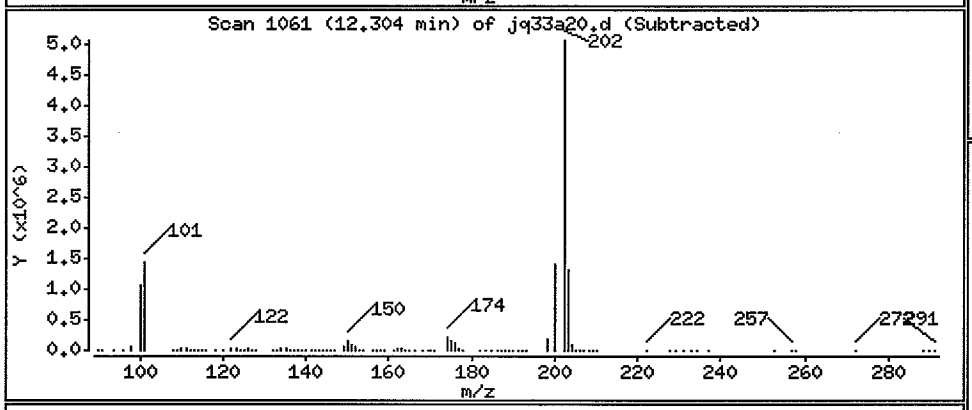
Column phase: ZB-5

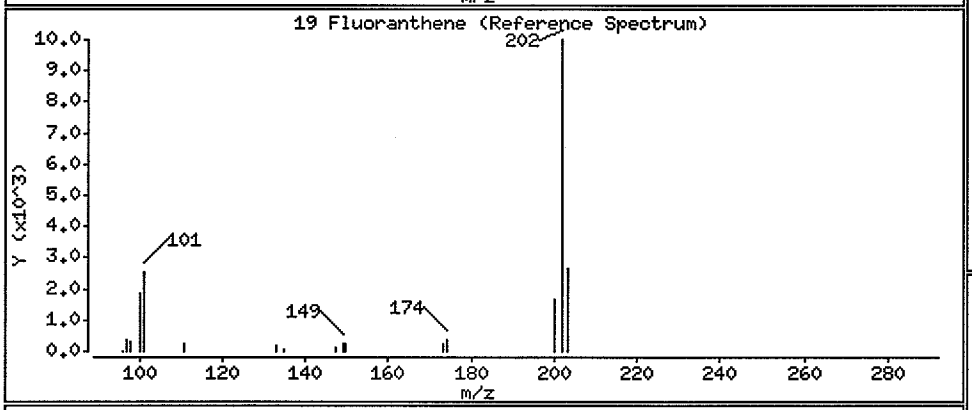
Column diameter: 0.25

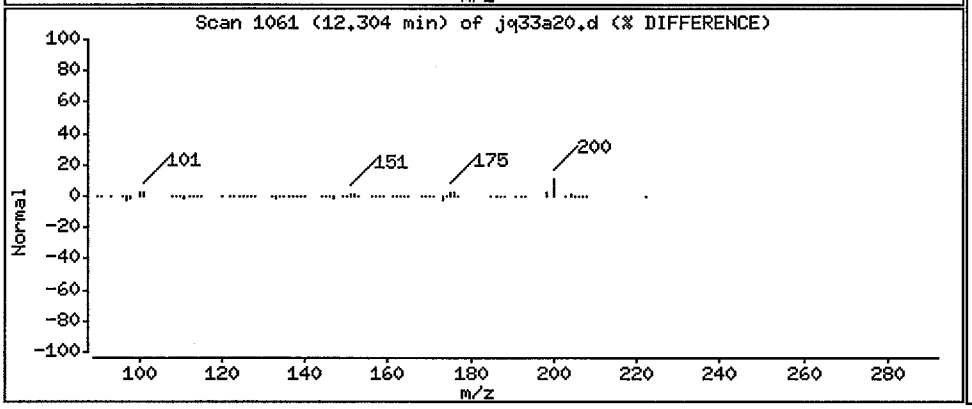
19 Fluoranthene

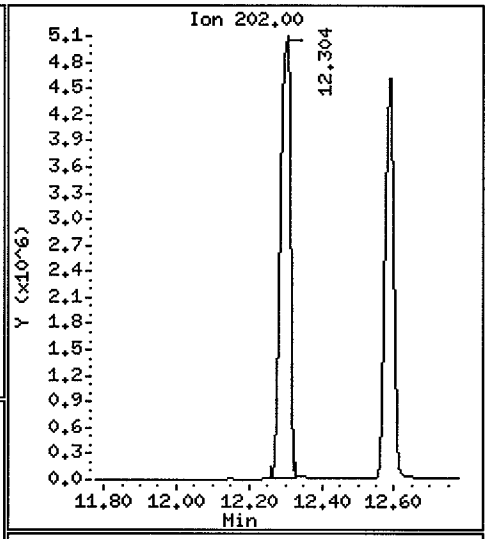
Concentration: 72740 ug/kg

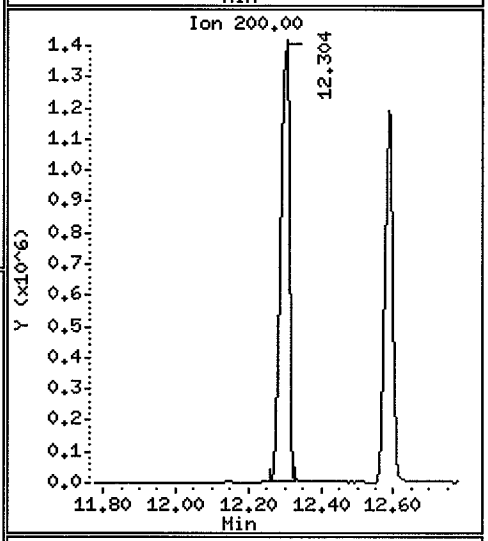


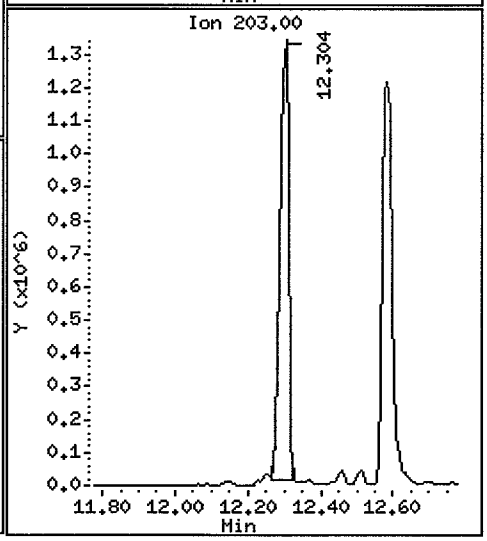












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

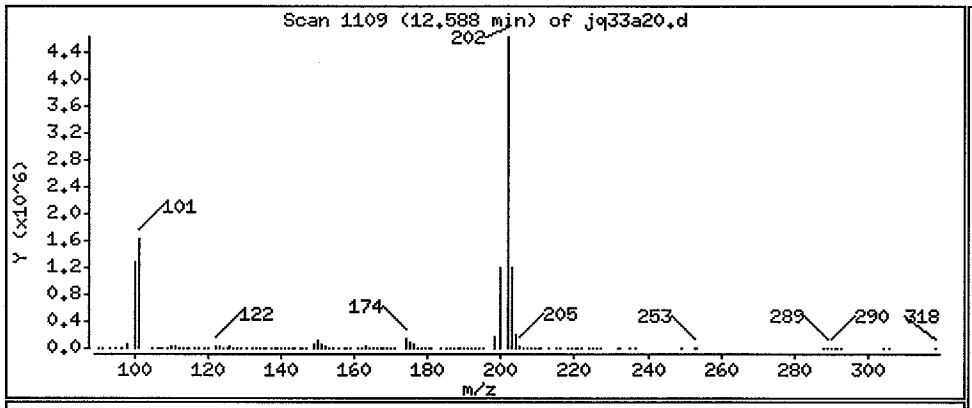
Operator: VTS

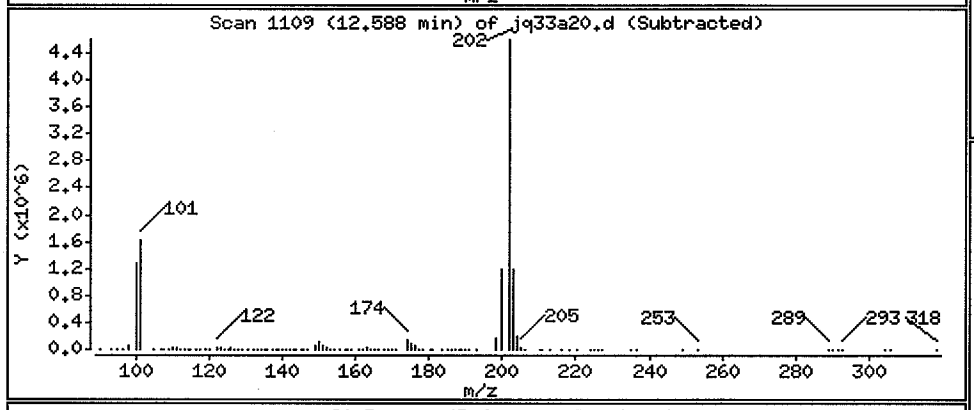
Column phase: ZB-5

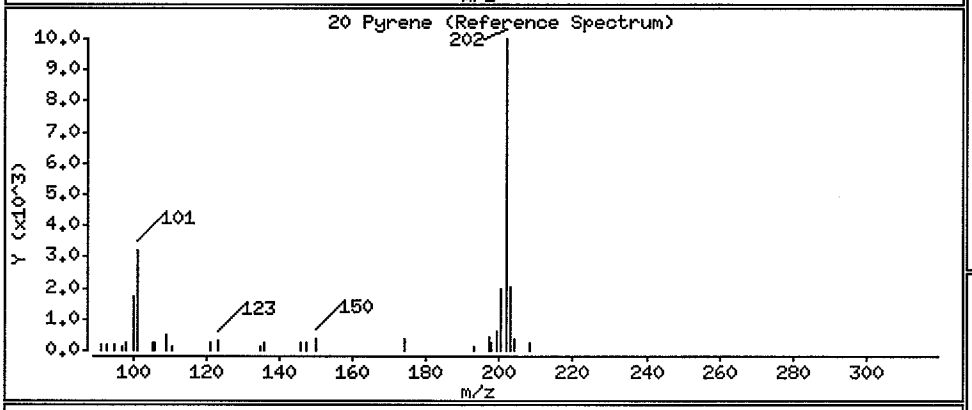
Column diameter: 0.25

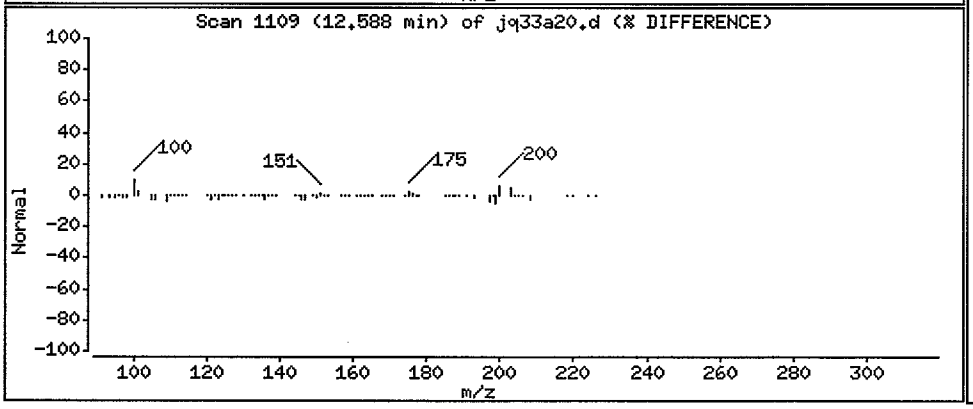
20 Pyrene

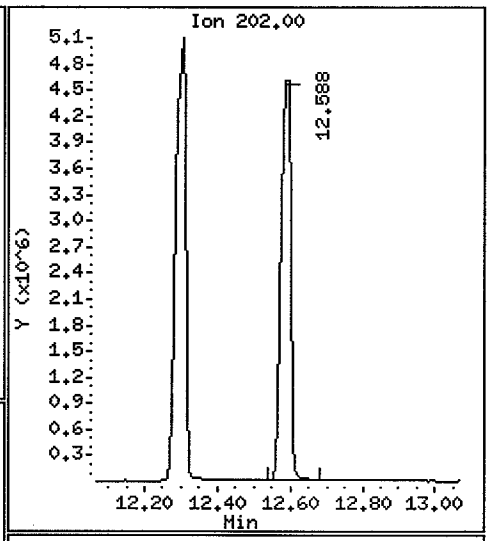
Concentration: 51700 ug/kg

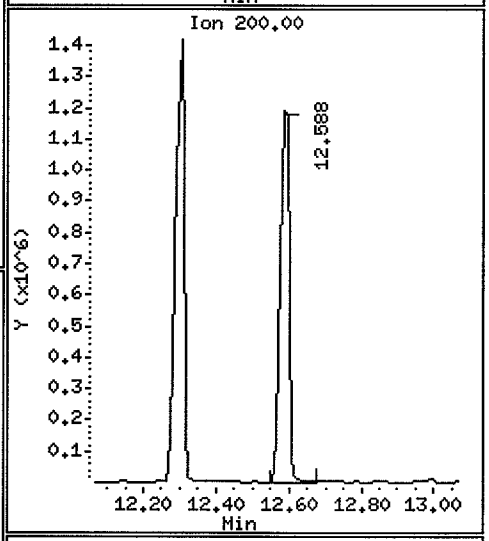


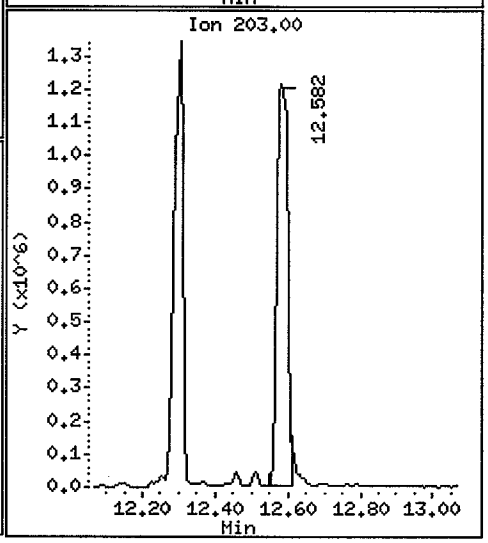












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

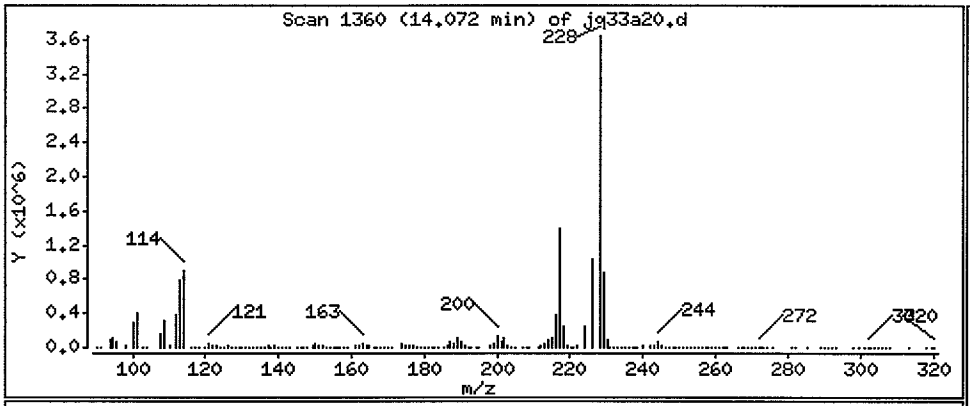
Operator: VTS

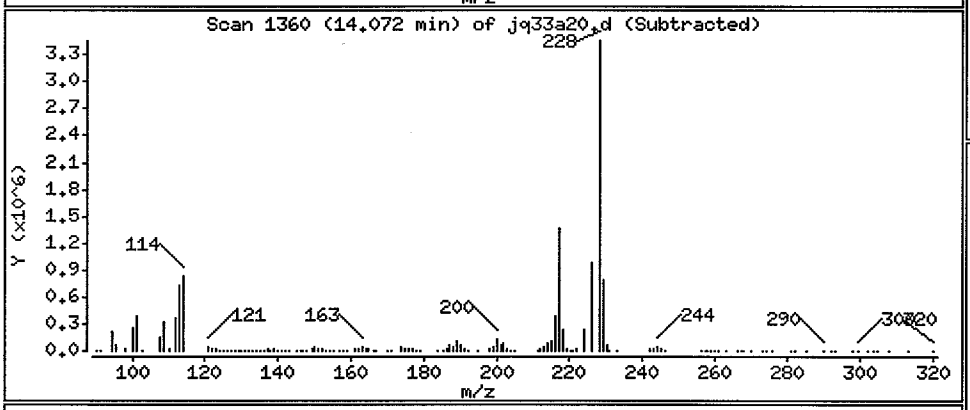
Column phase: ZB-5

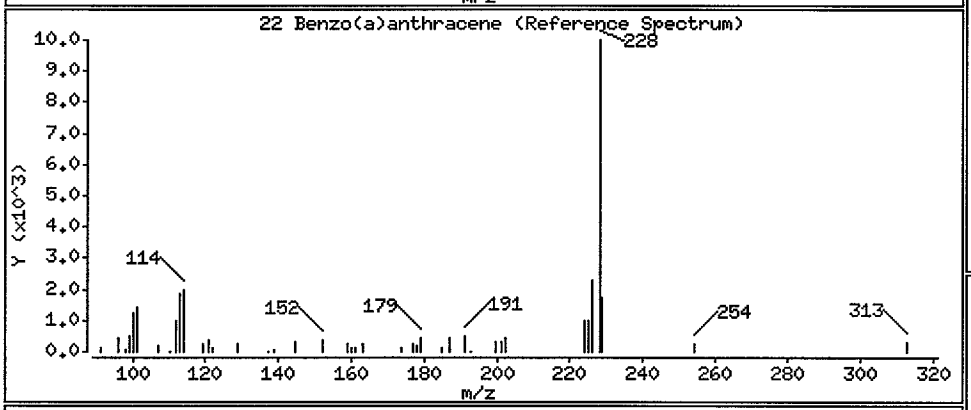
Column diameter: 0.25

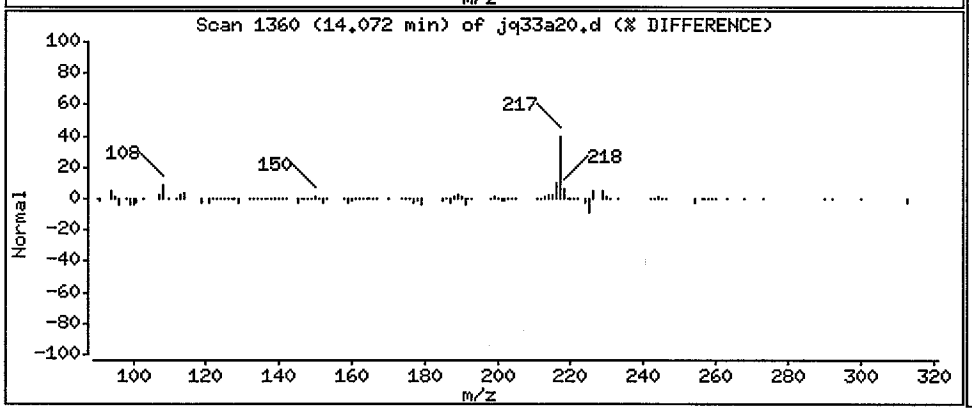
22 Benzo(a)anthracene

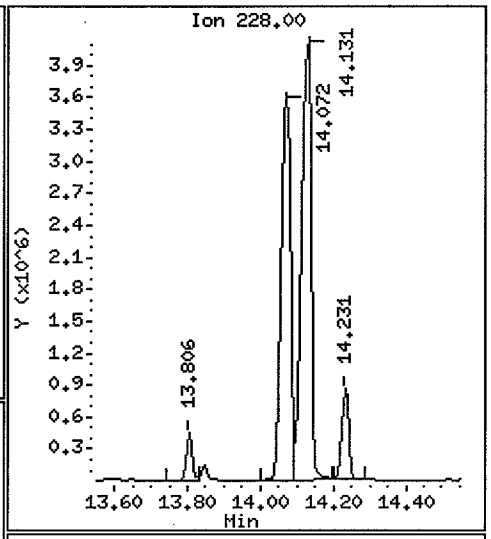
Concentration: 41490 ug/kg

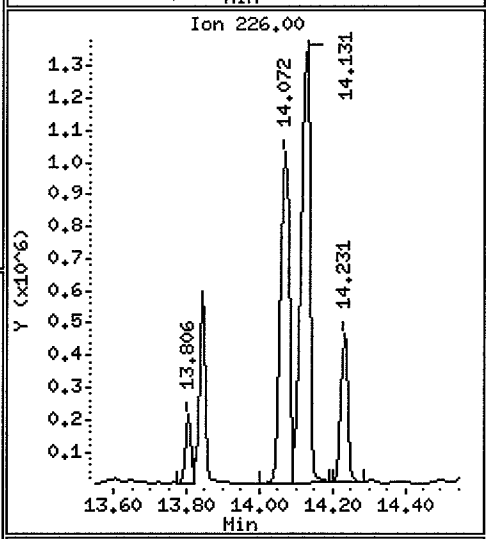


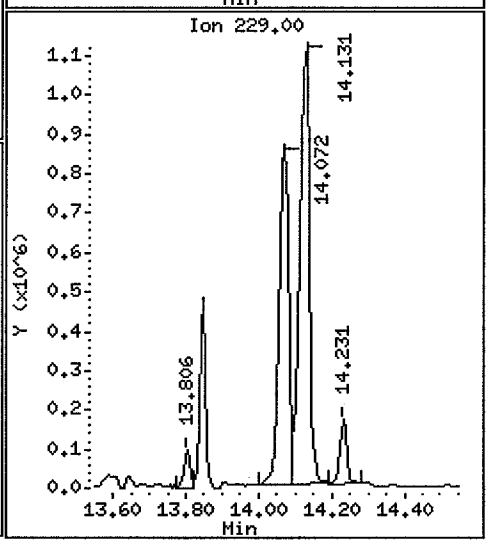












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

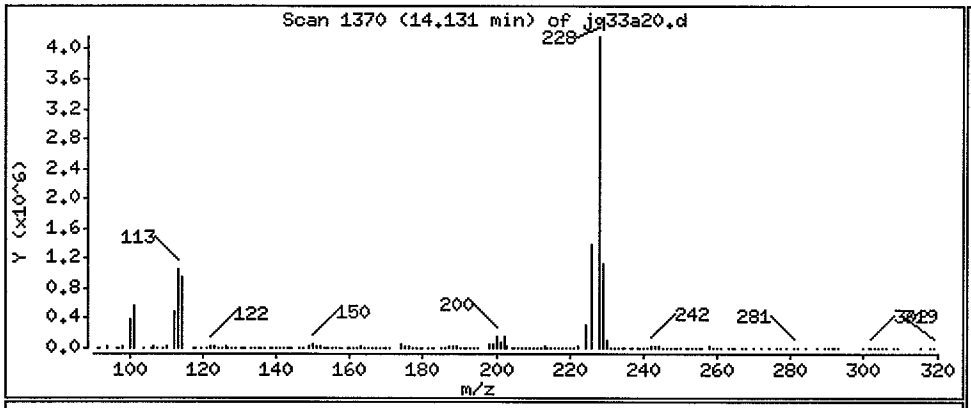
Operator: VTS

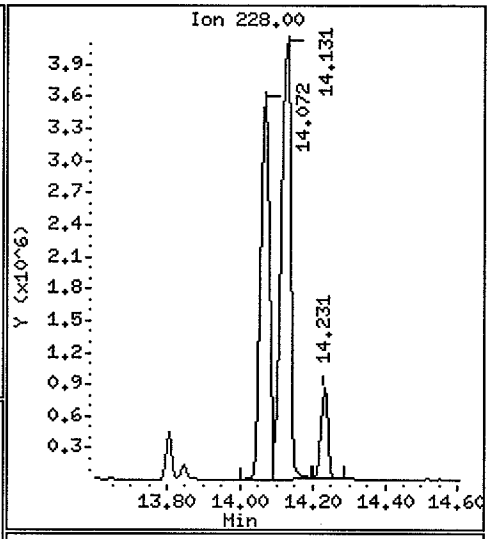
Column phase: ZB-5

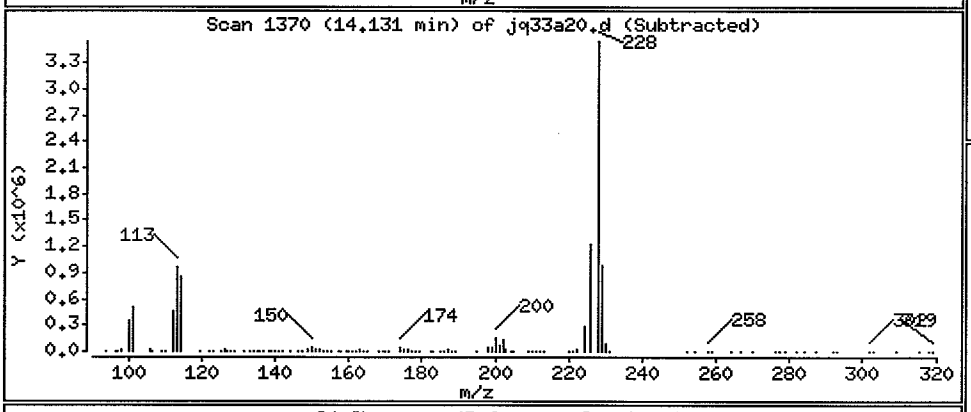
Column diameter: 0.25

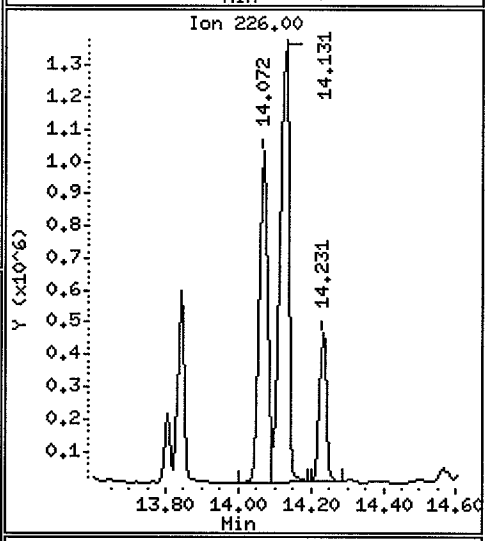
24 Chrysene

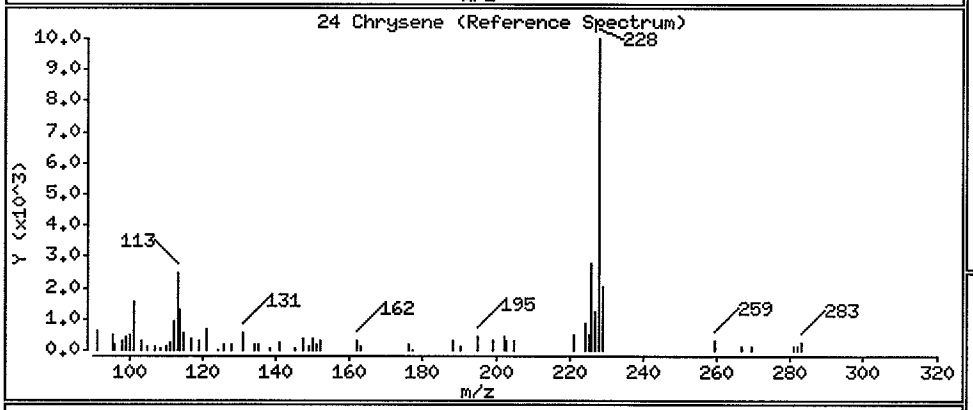
Concentration: 53560 ug/kg

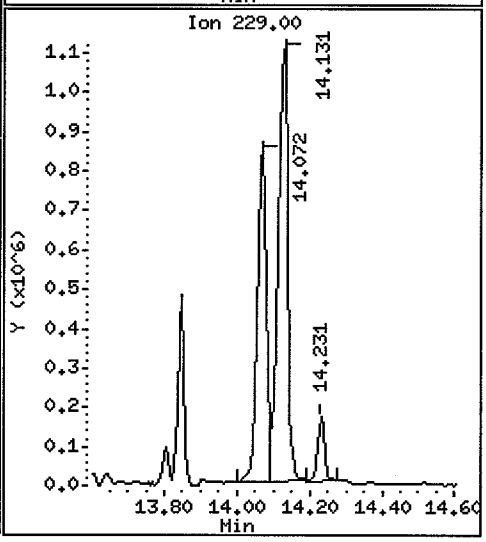


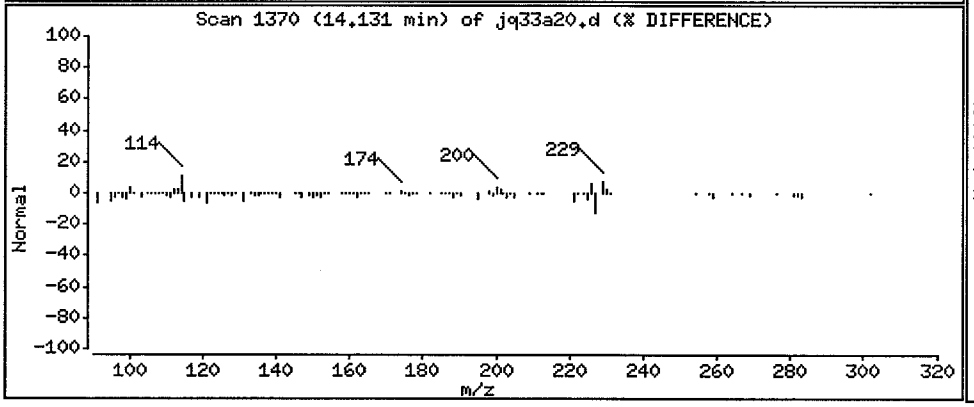












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

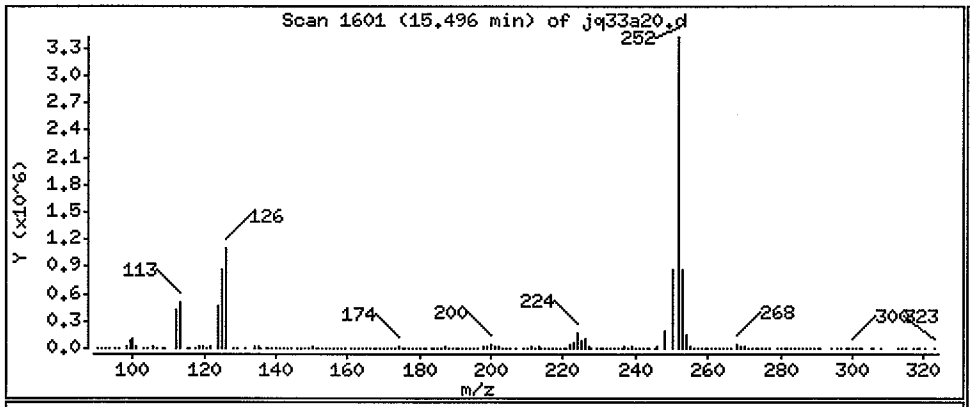
Operator: VTS

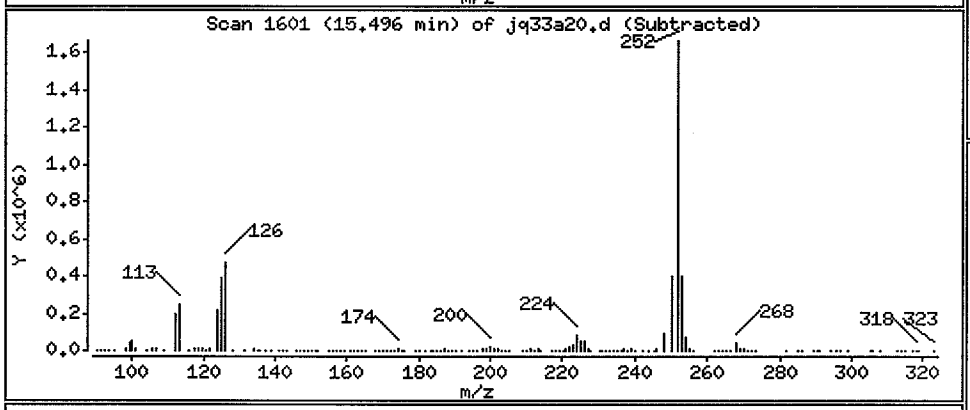
Column phase: ZB-5

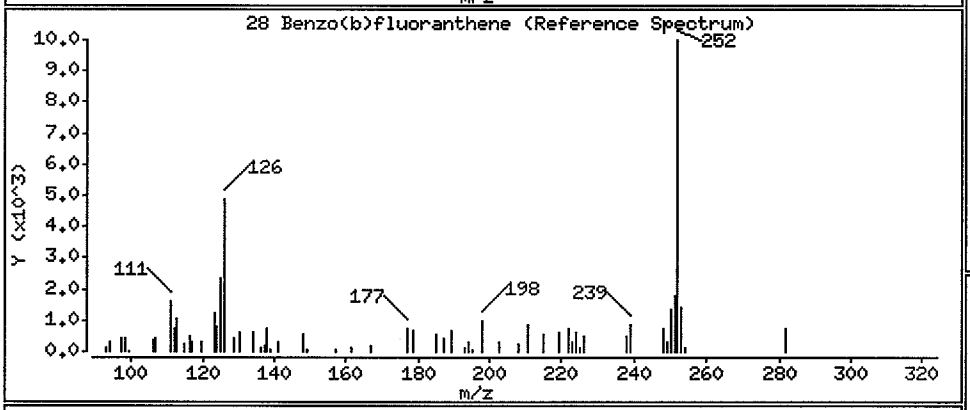
Column diameter: 0.25

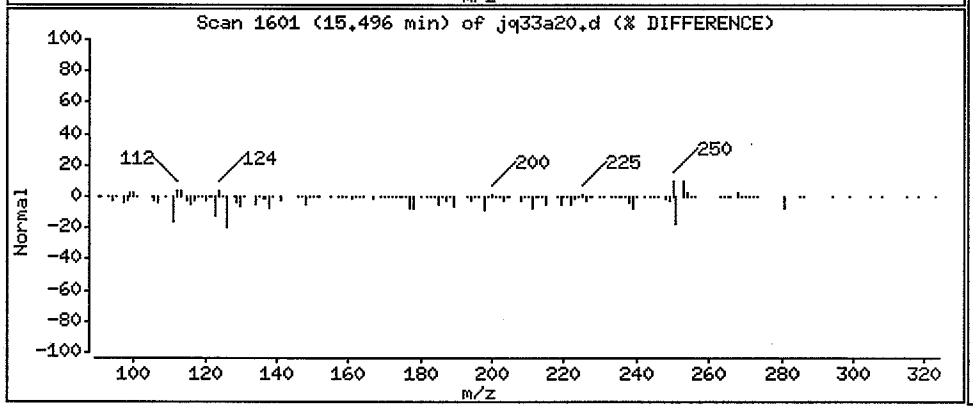
28 Benzo(b)fluoranthene

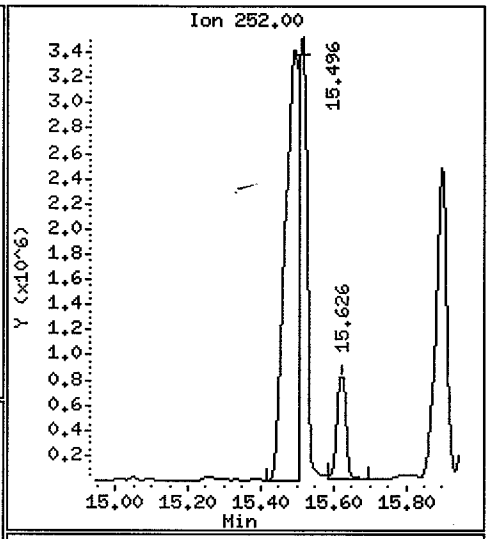
Concentration: 72820 ug/kg

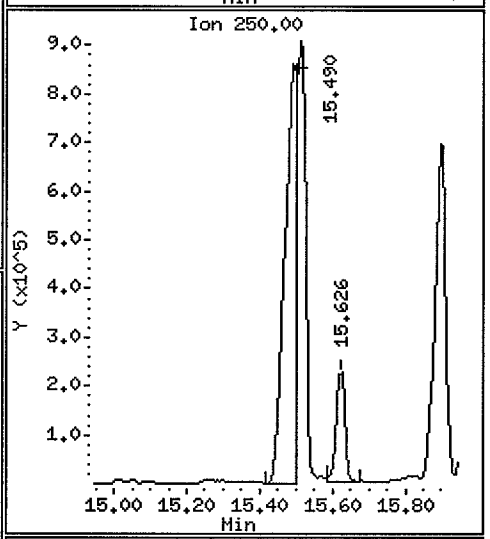


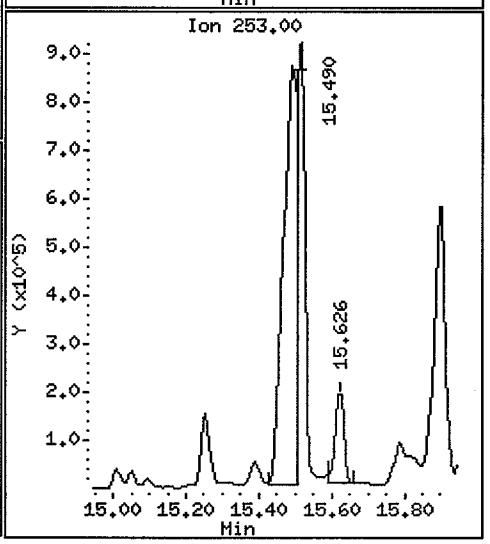












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

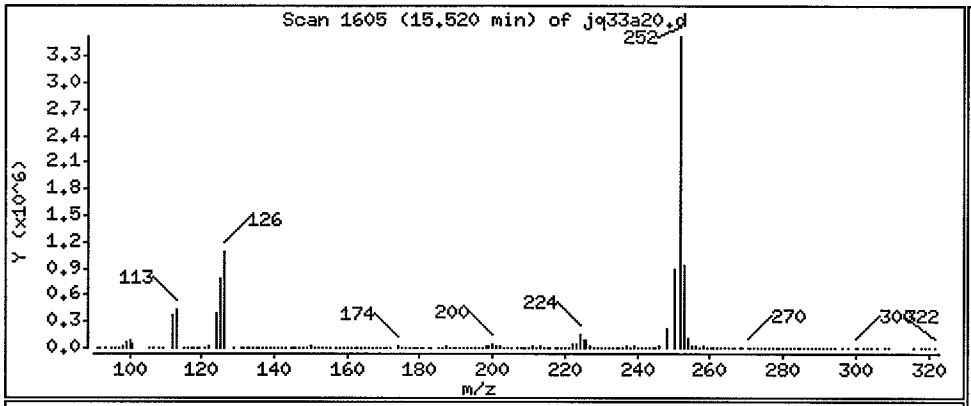
Operator: VTS

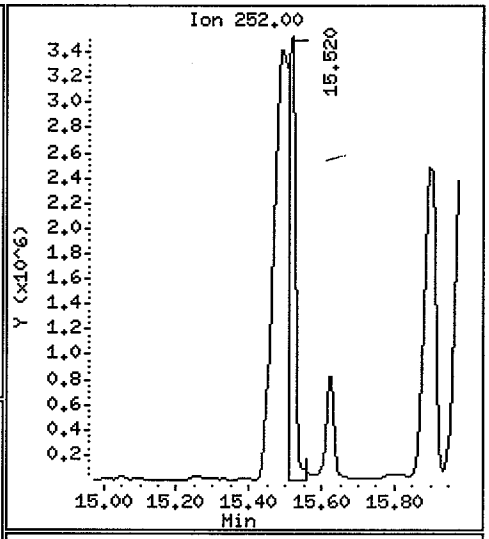
Column phase: ZB-5

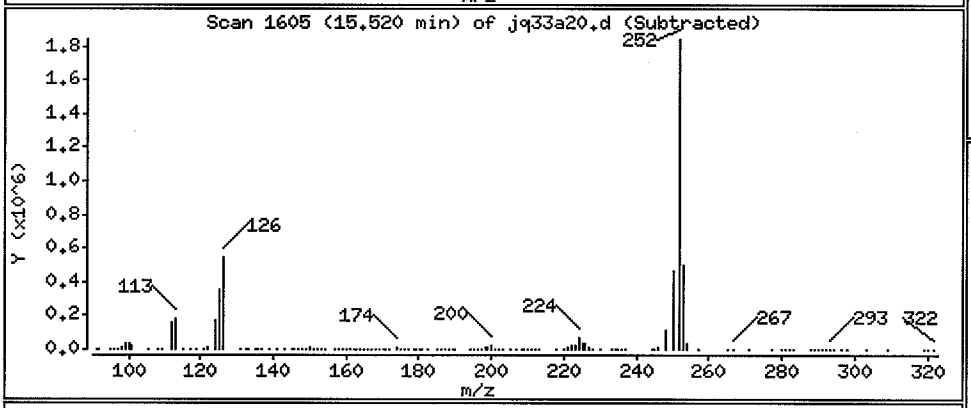
Column diameter: 0.25

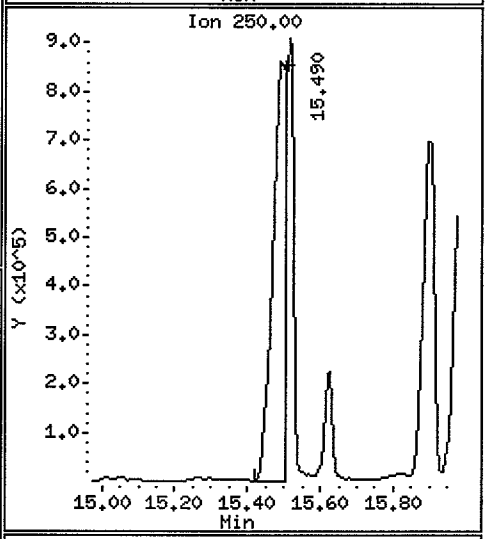
29 Benzo(k)fluoranthene

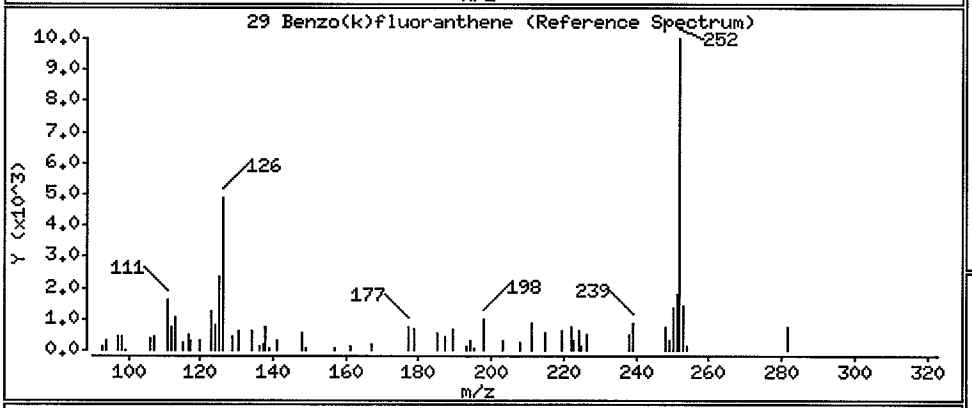
Concentration: 34540 ug/kg

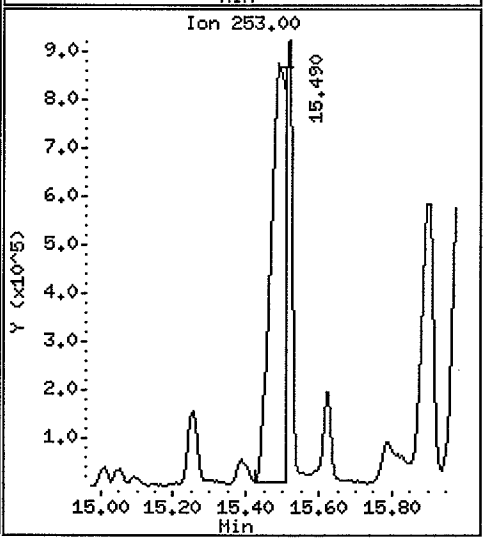


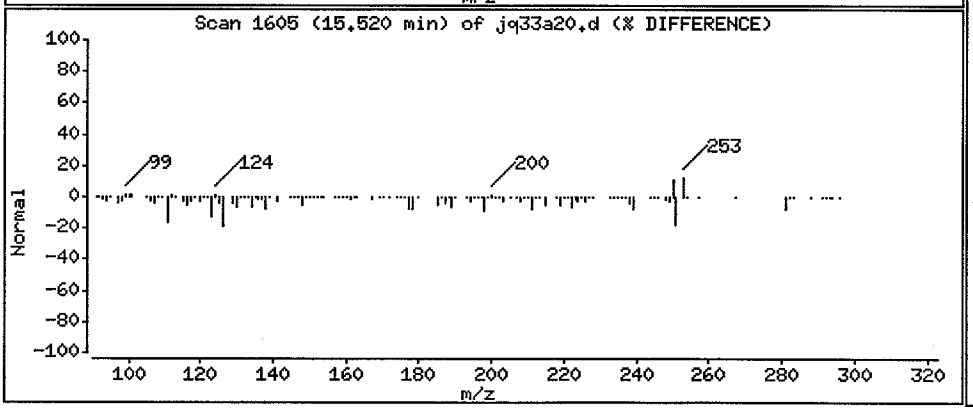












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

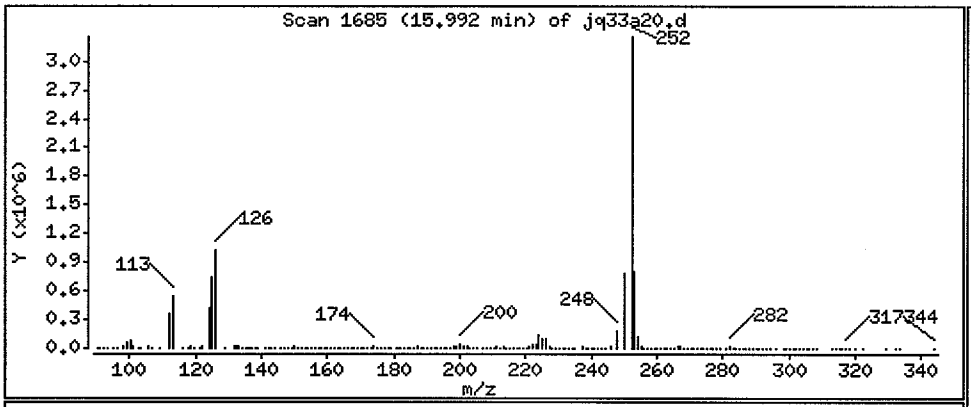
Operator: VTS

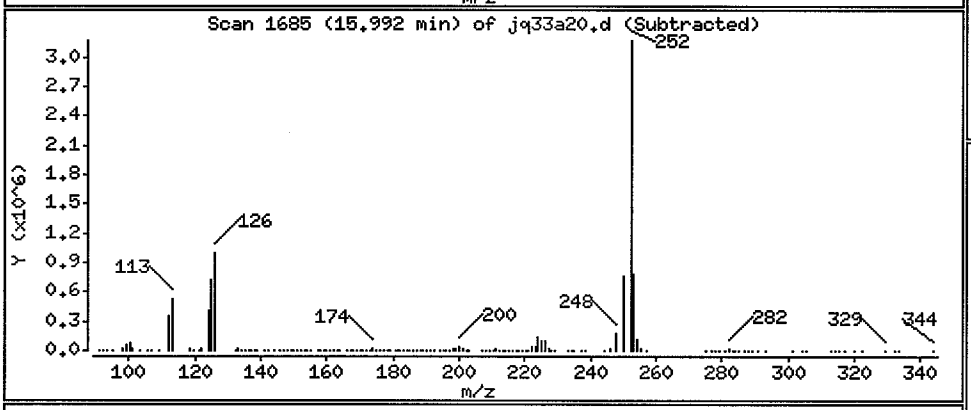
Column phase: ZB-5

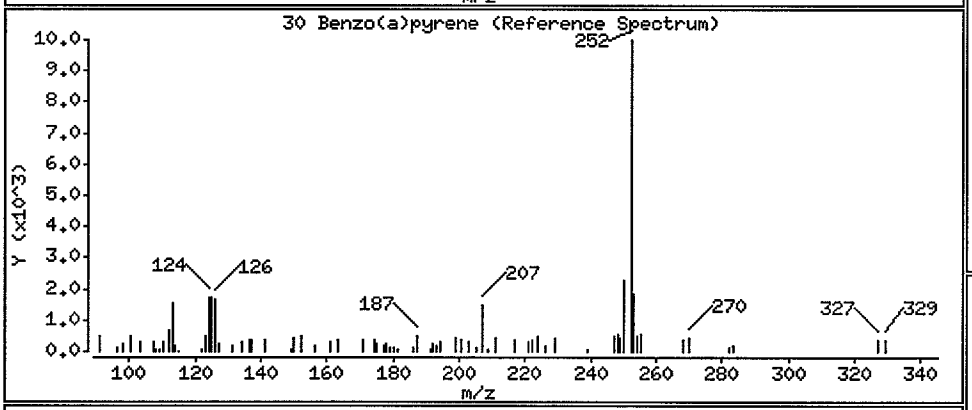
Column diameter: 0.25

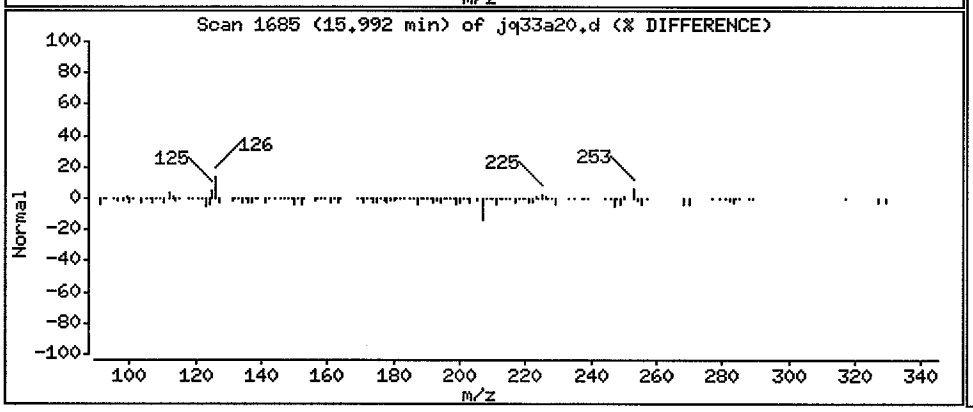
30 Benzo(a)pyrene

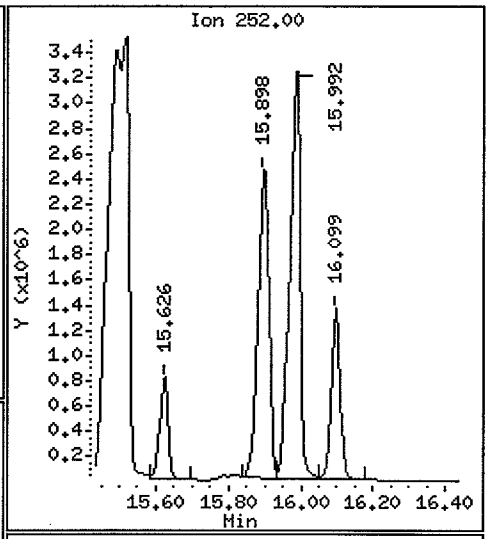
Concentration: 53850 ug/kg

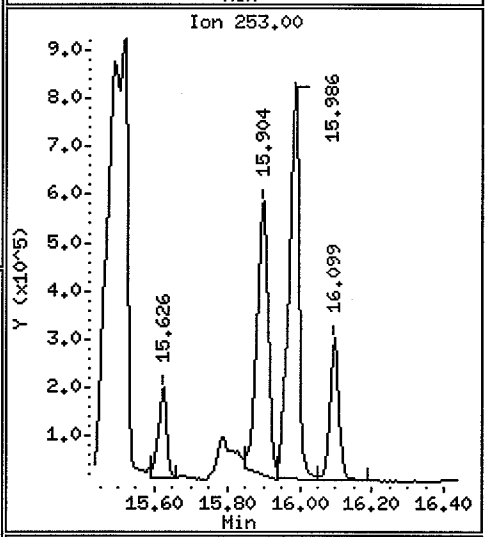


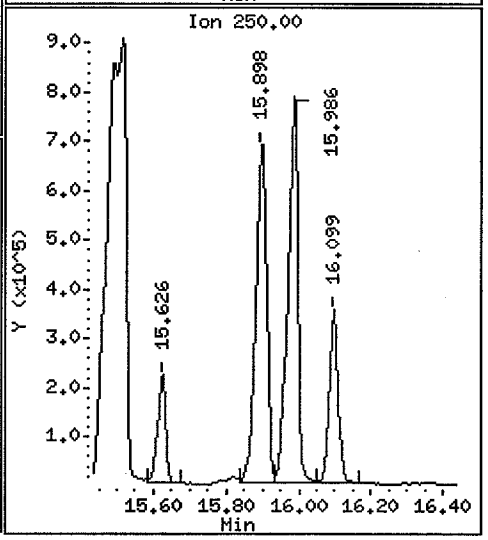












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

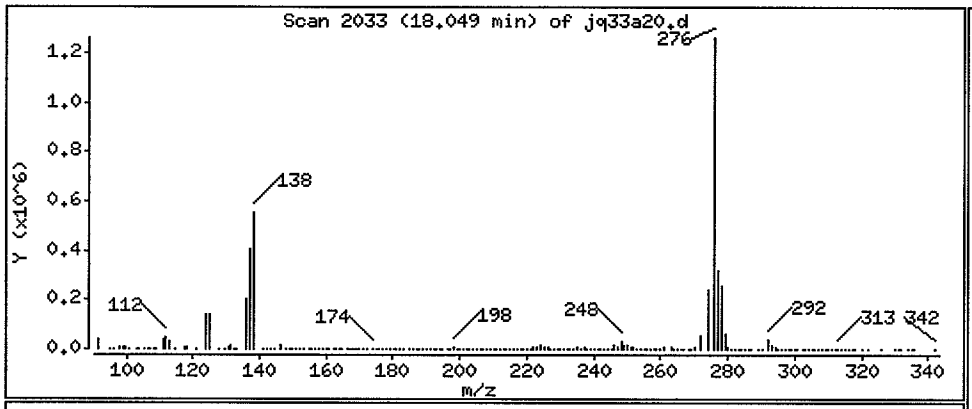
Operator: VTS

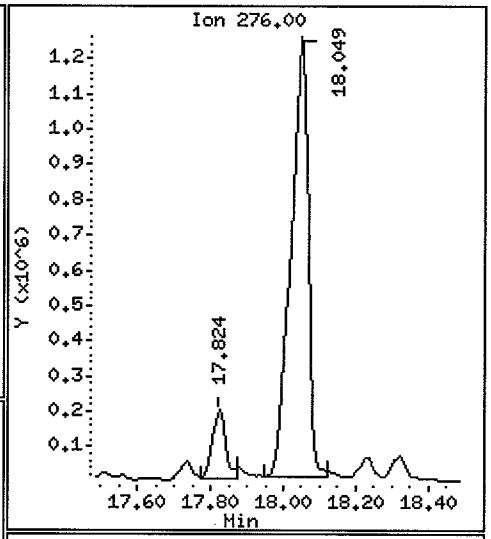
Column phase: ZB-5

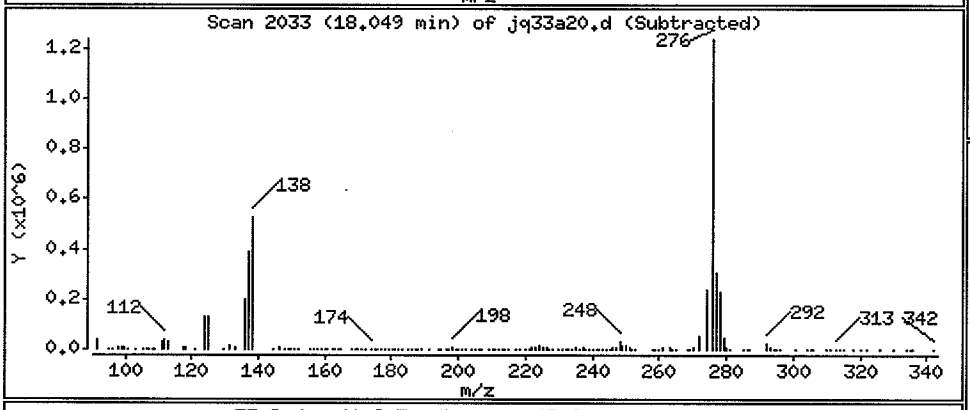
Column diameter: 0.25

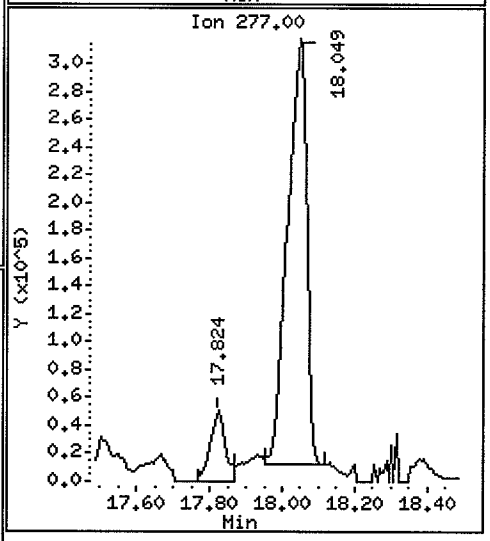
33 Indeno(1,2,3-cd)pyrene

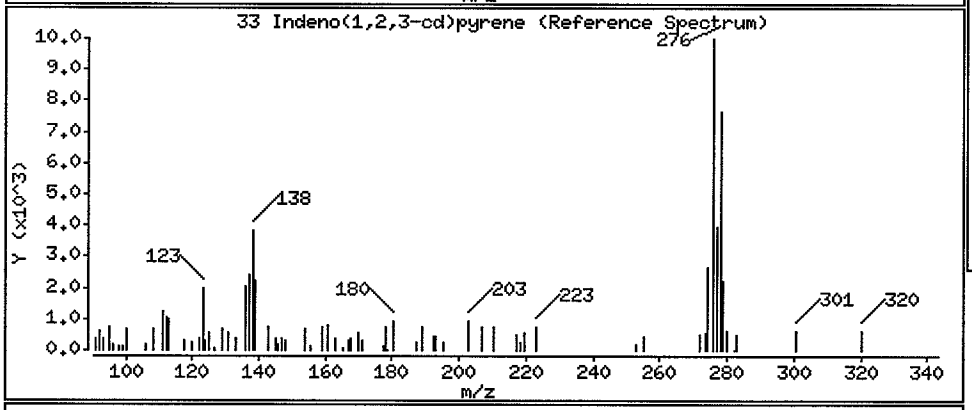
Concentration: 27520 ug/kg

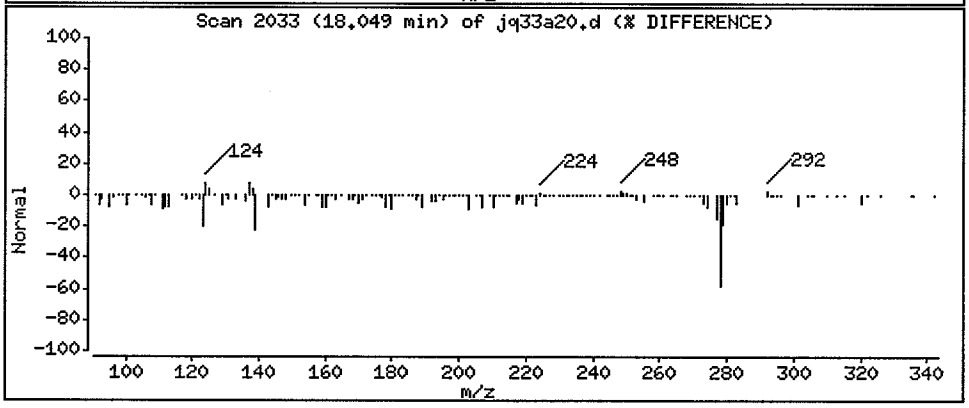












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

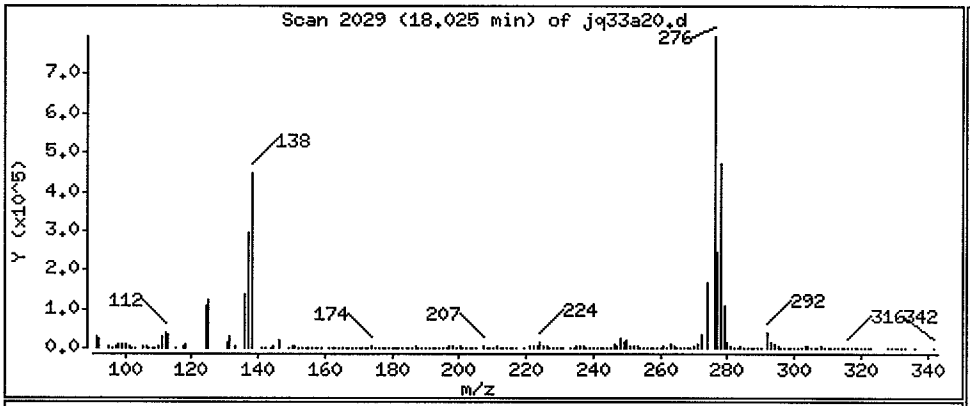
Operator: VTS

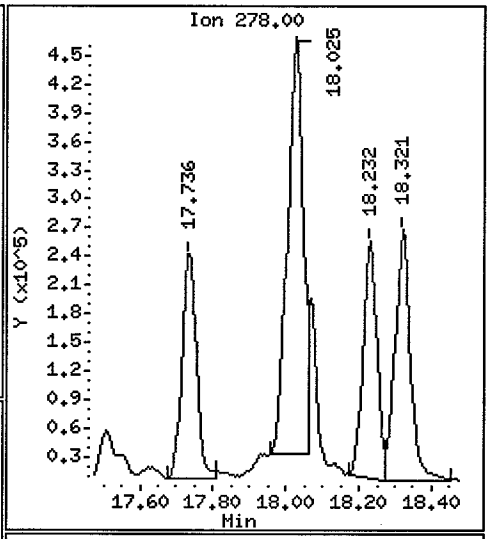
Column phase: ZB-5

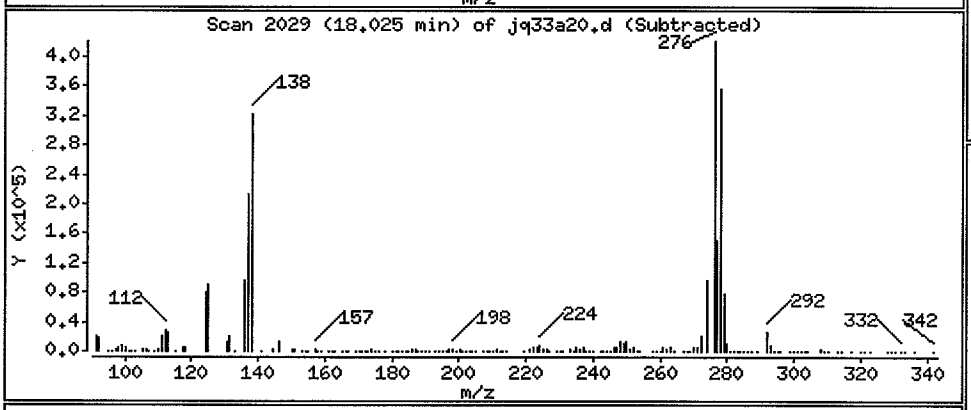
Column diameter: 0.25

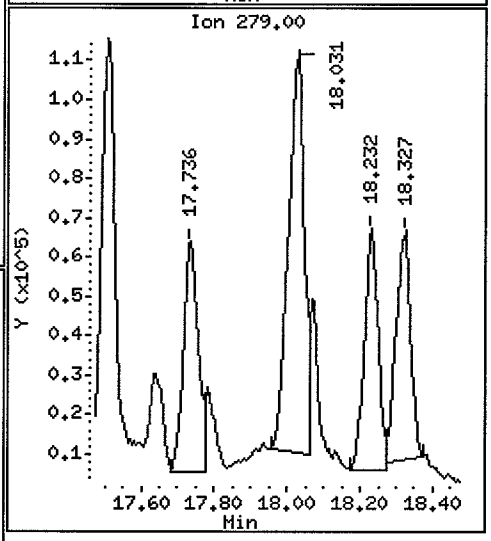
34 Dibenz(a,h)anthracene

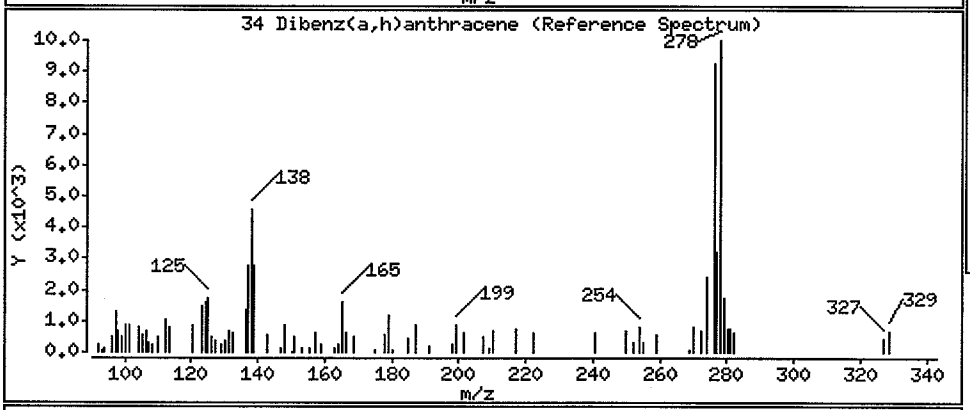
Concentration: 11090 ug/kg

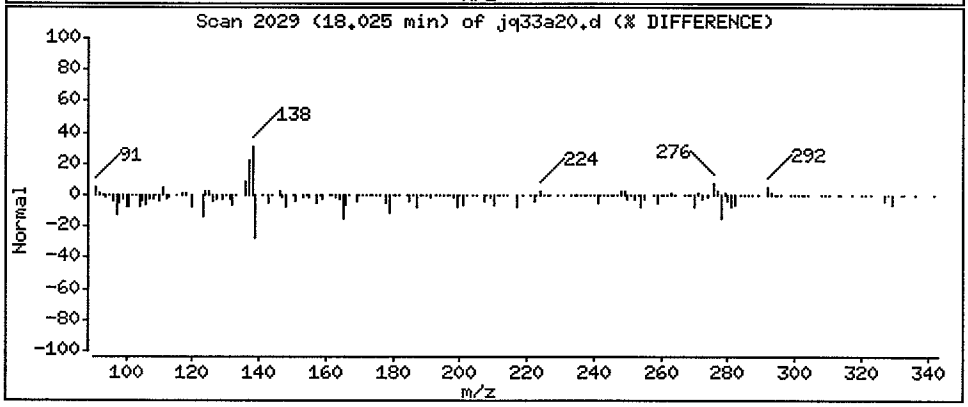












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

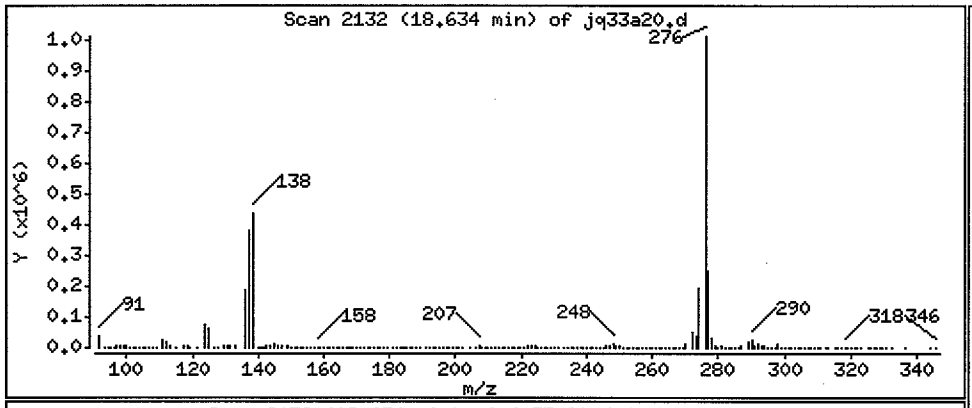
Operator: VTS

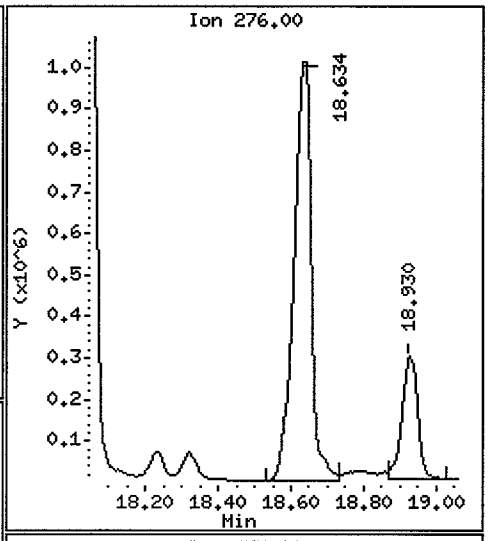
Column phase: ZB-5

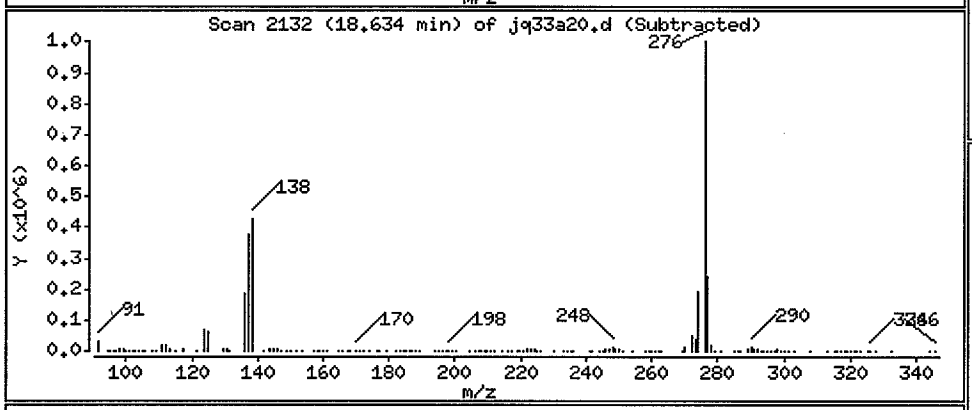
Column diameter: 0.25

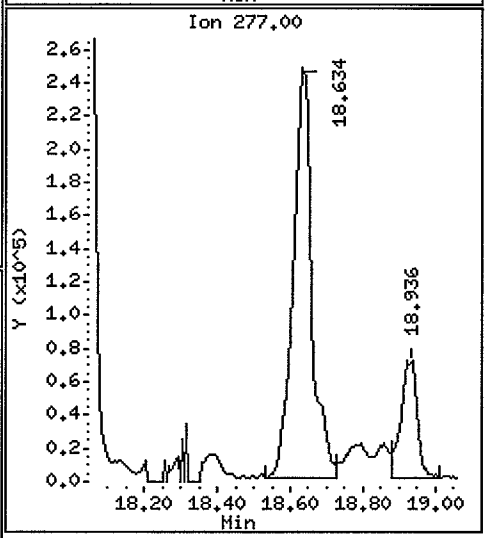
35 Benzo(g,h,i)perylene

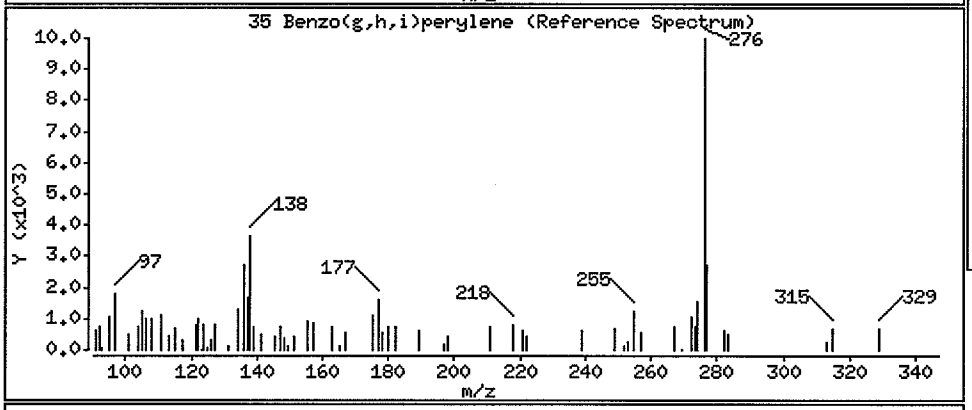
Concentration: 27130 ug/kg

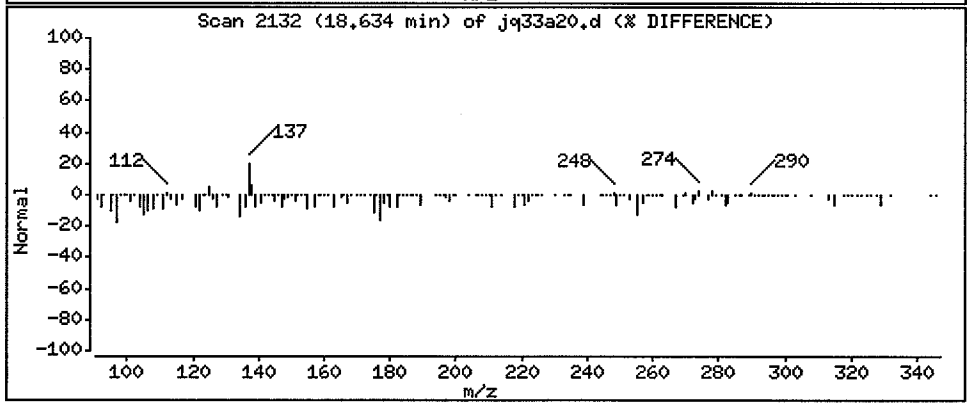












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

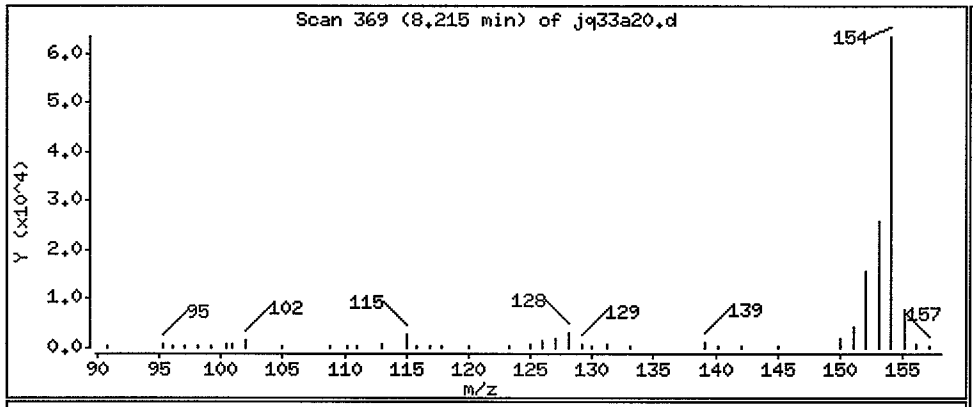
Operator: VTS

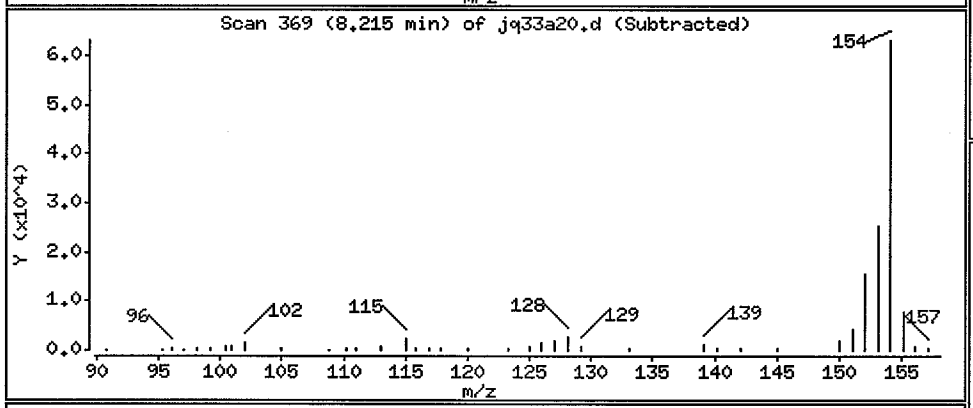
Column phase: ZB-5

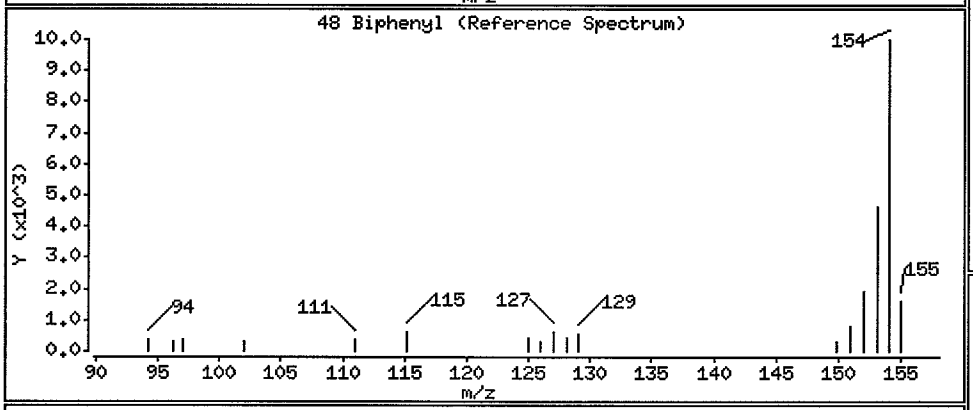
Column diameter: 0.25

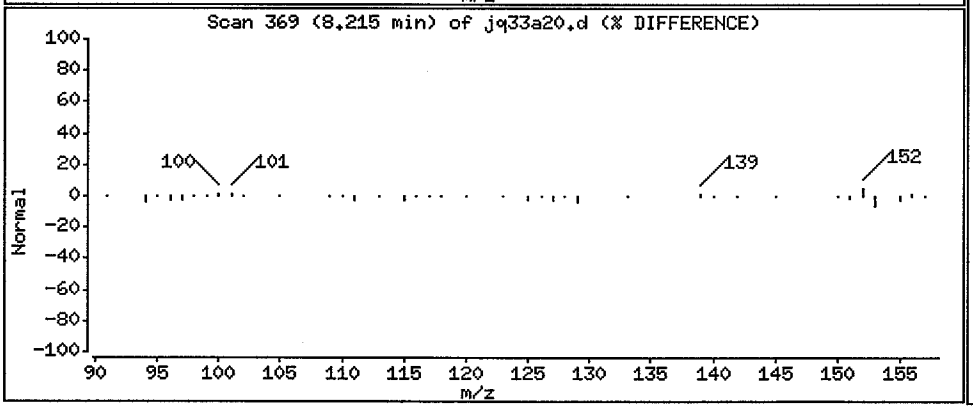
48 Biphenyl

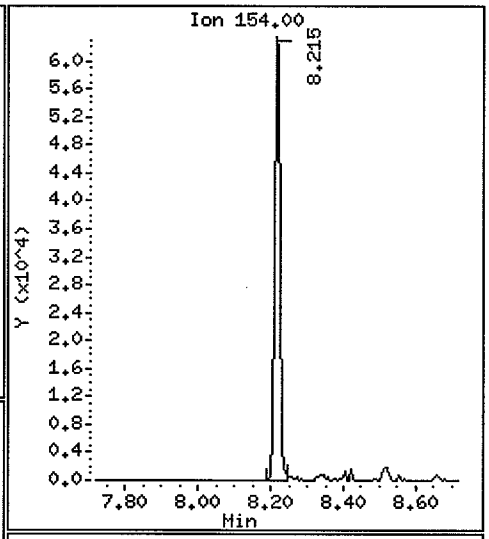
Concentration: 776.2 ug/kg

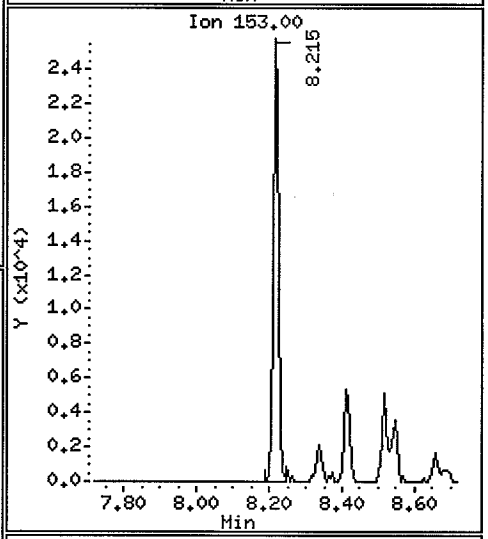


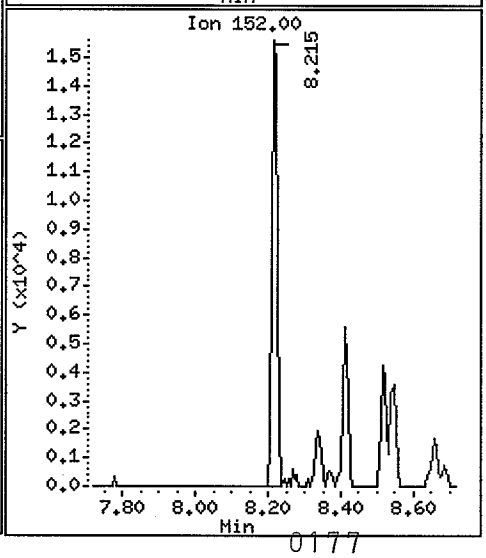












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

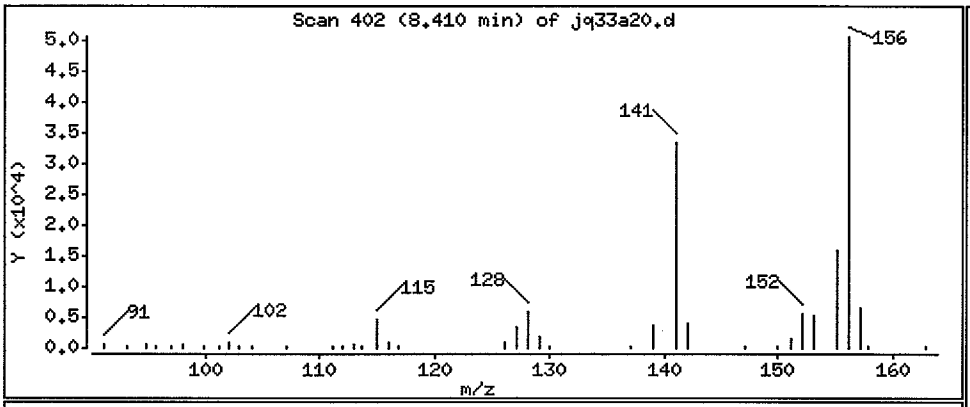
Operator: VTS

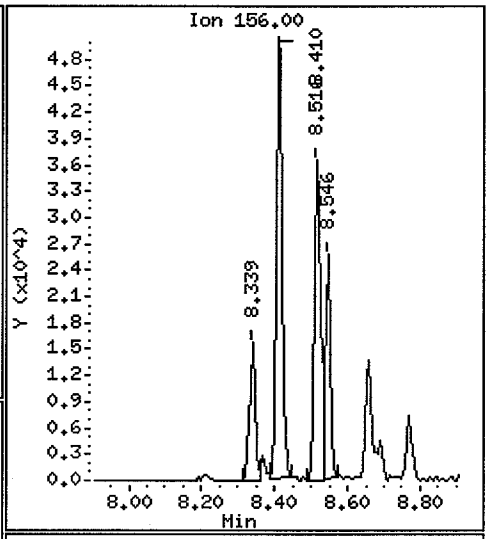
Column phase: ZB-5

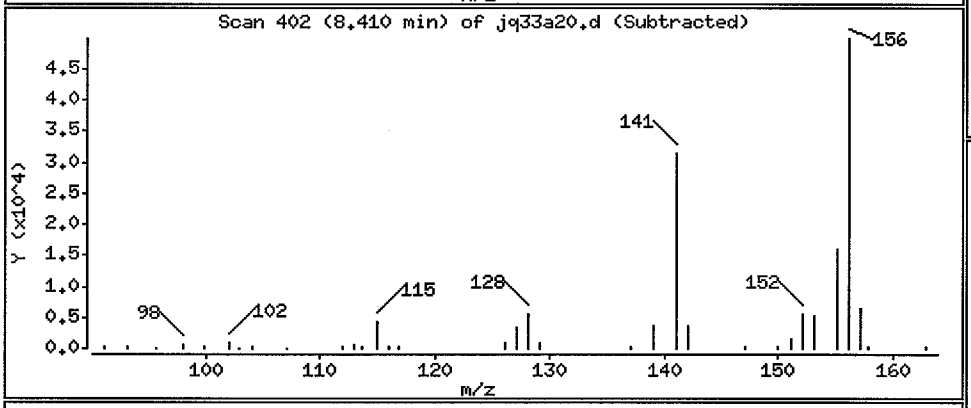
Column diameter: 0.25

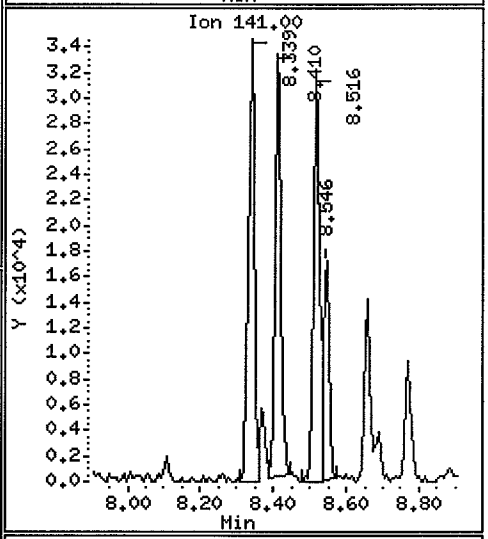
49 2,6-Dimethylnaphthalene

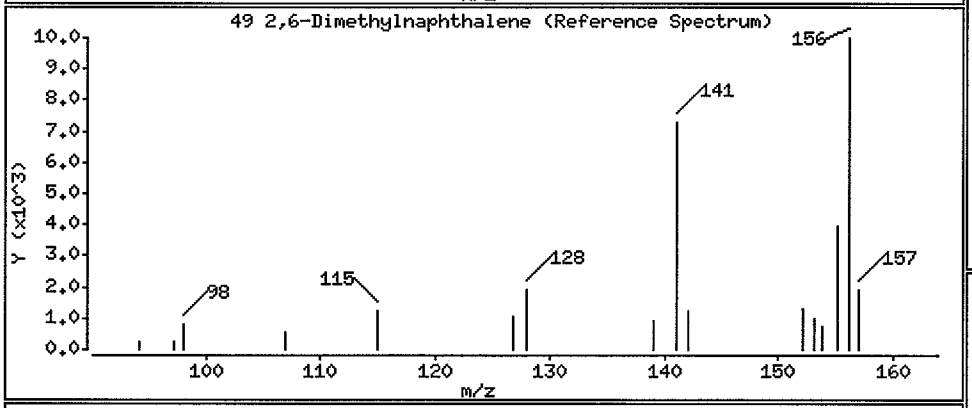
Concentration: 835.6 ug/kg

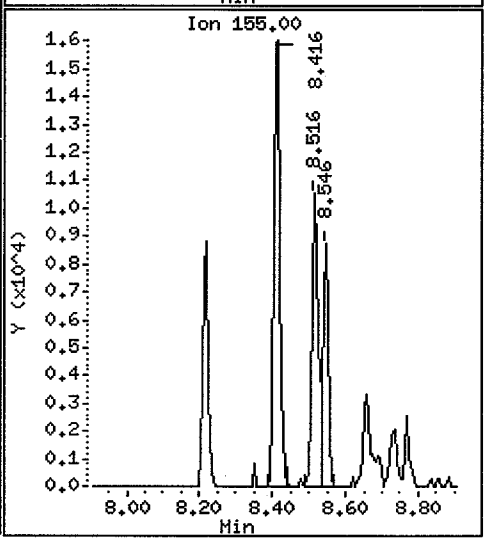


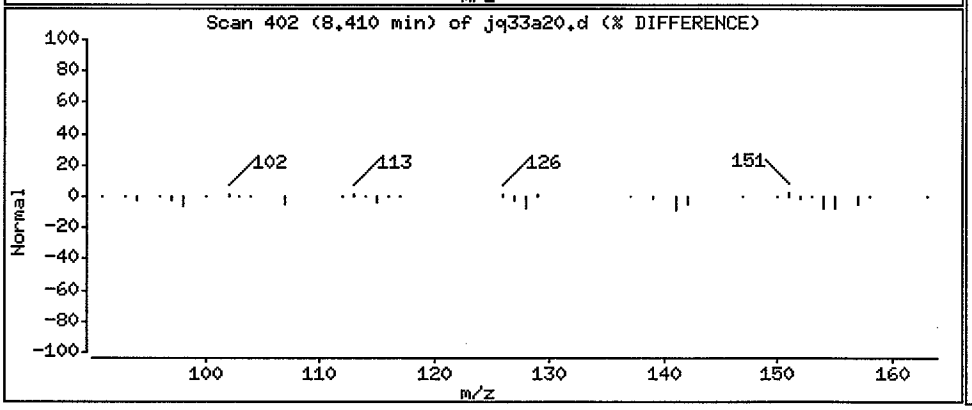












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

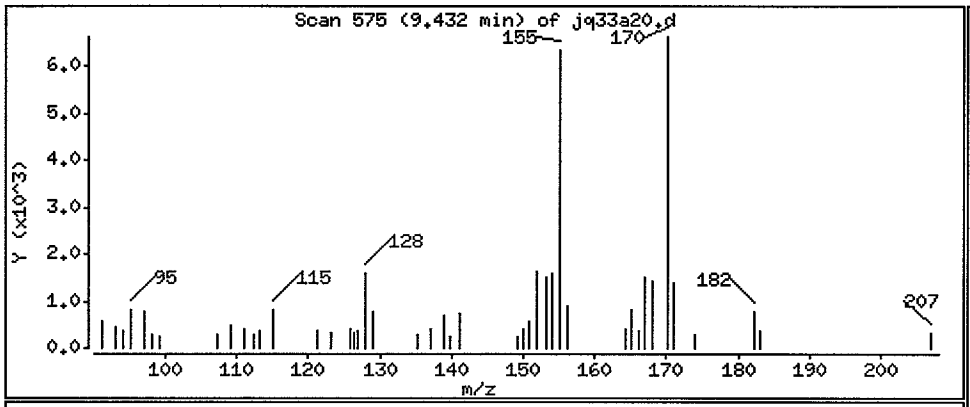
Operator: VTS

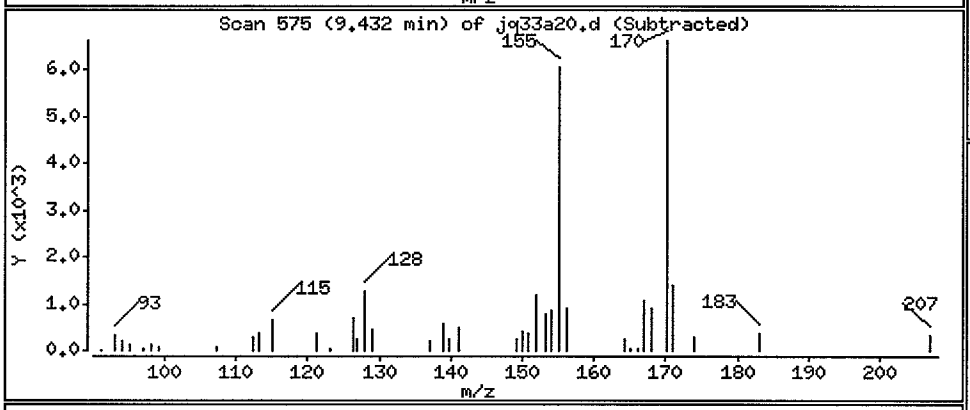
Column phase: ZB-5

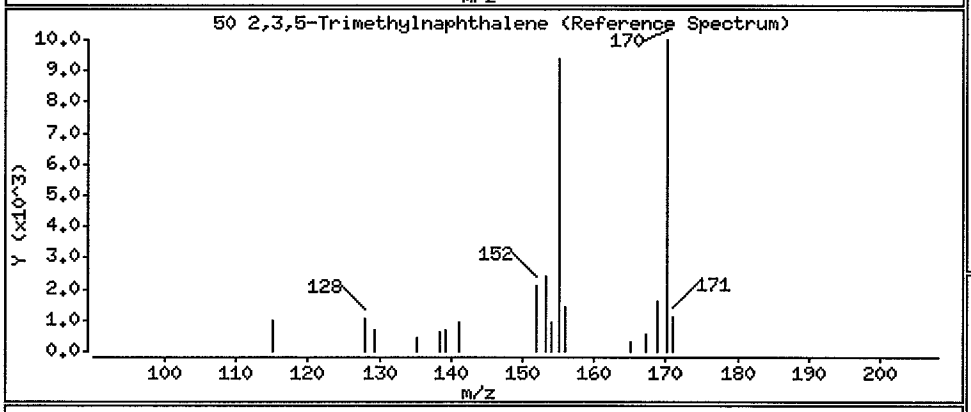
Column diameter: 0.25

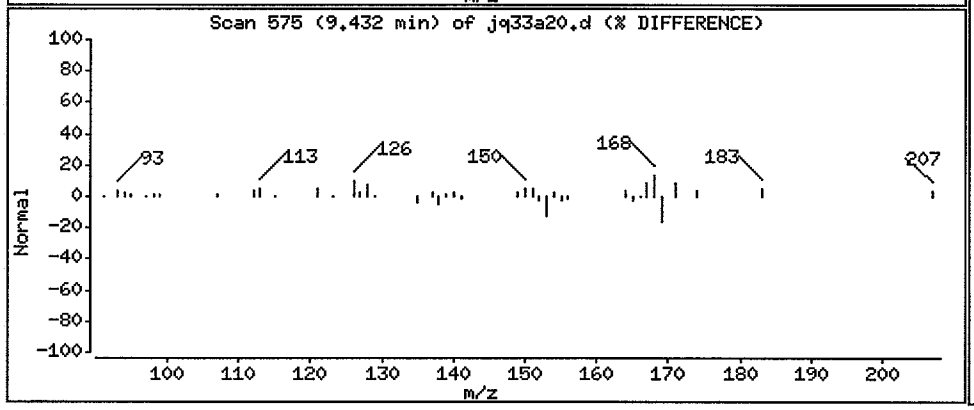
50 2,3,5-Trimethylnaphthalene

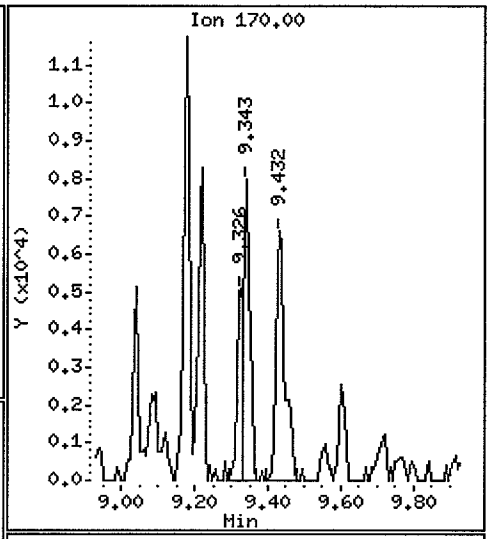
Concentration: 202.2 ug/kg

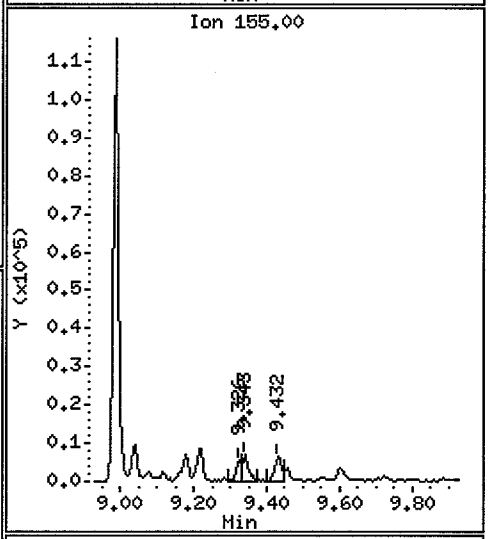


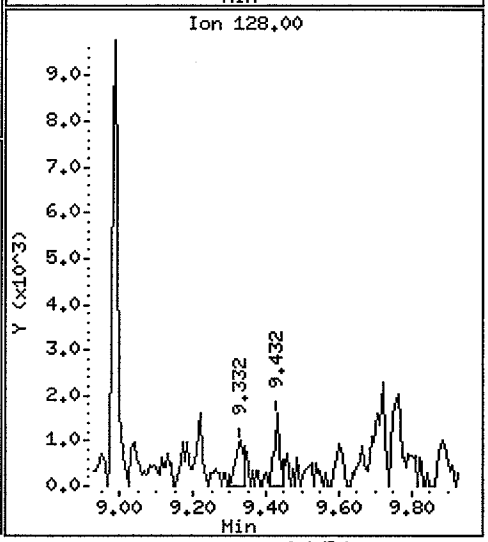












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

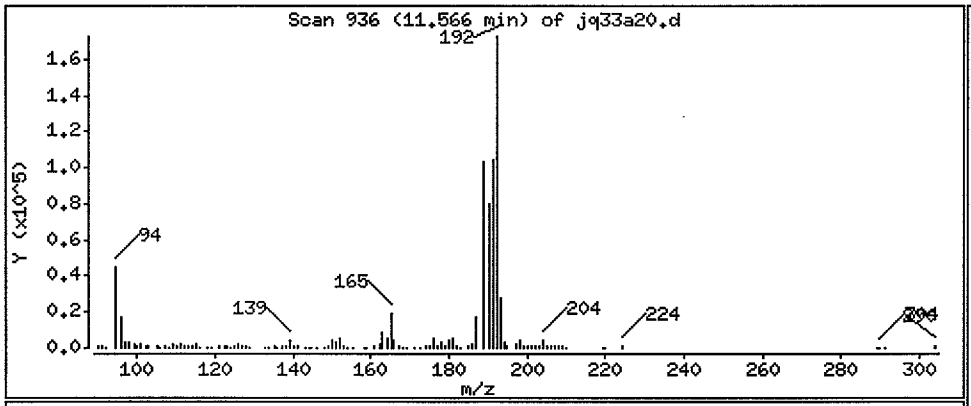
Operator: VTS

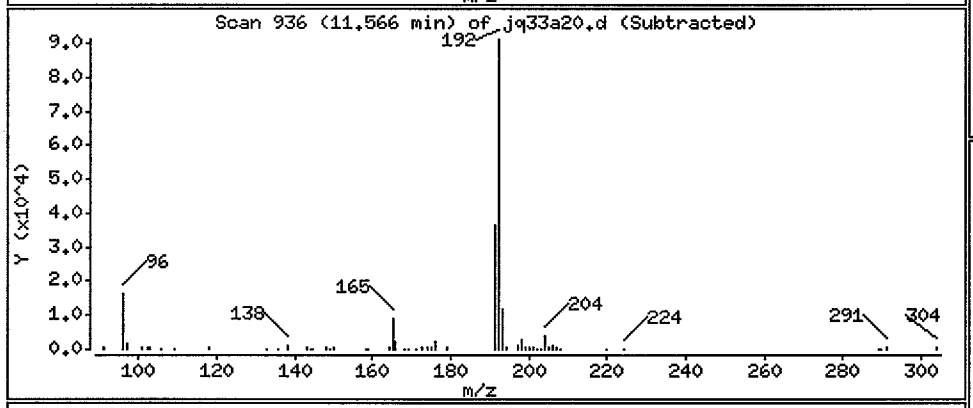
Column phase: ZB-5

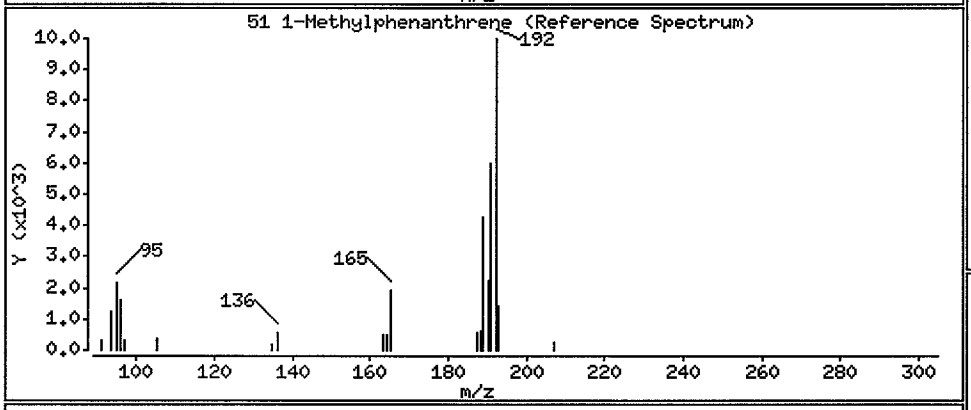
Column diameter: 0.25

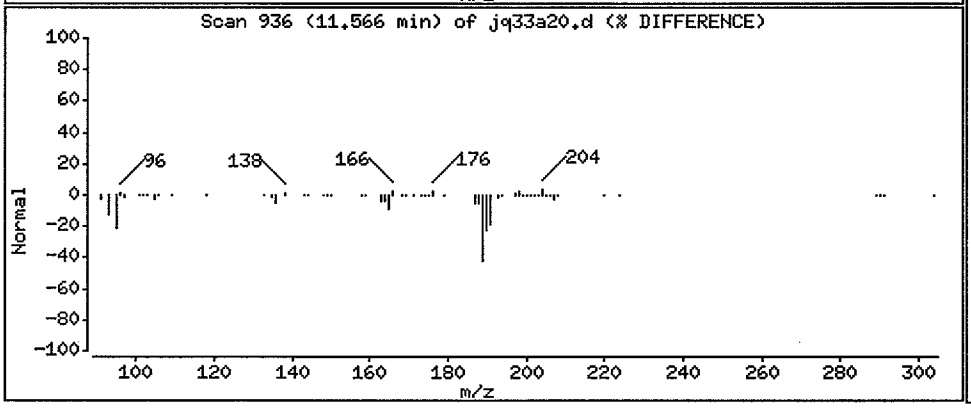
51 1-Methylphenanthrene

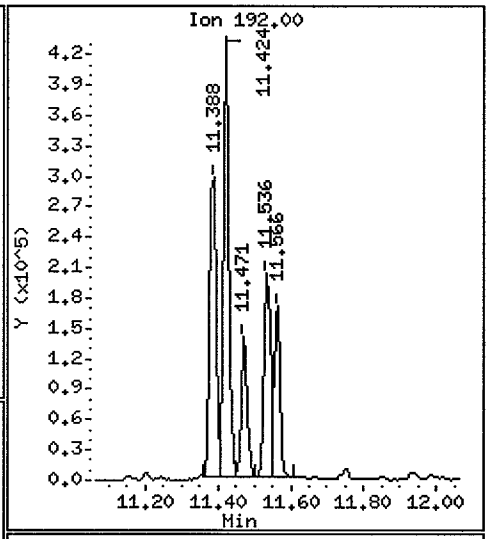
Concentration: 2276 ug/kg

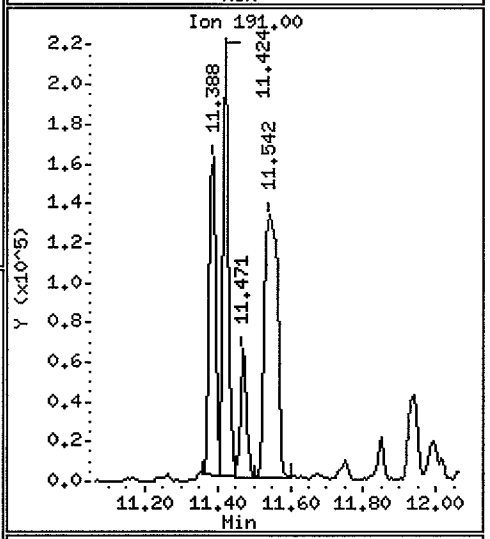


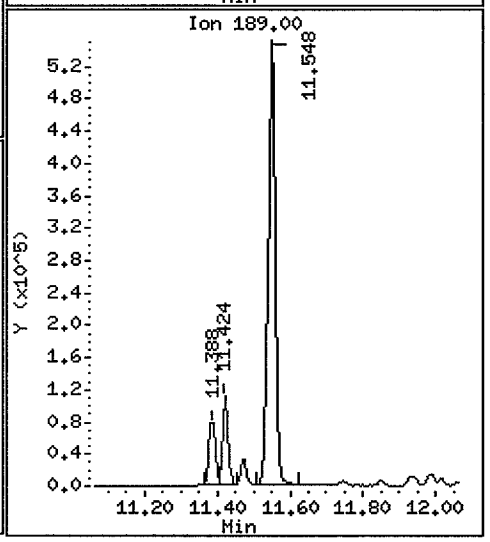












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

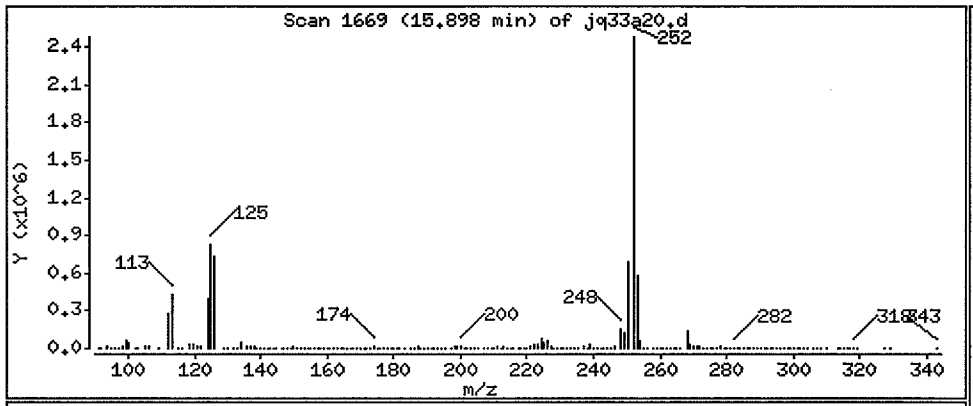
Operator: VTS

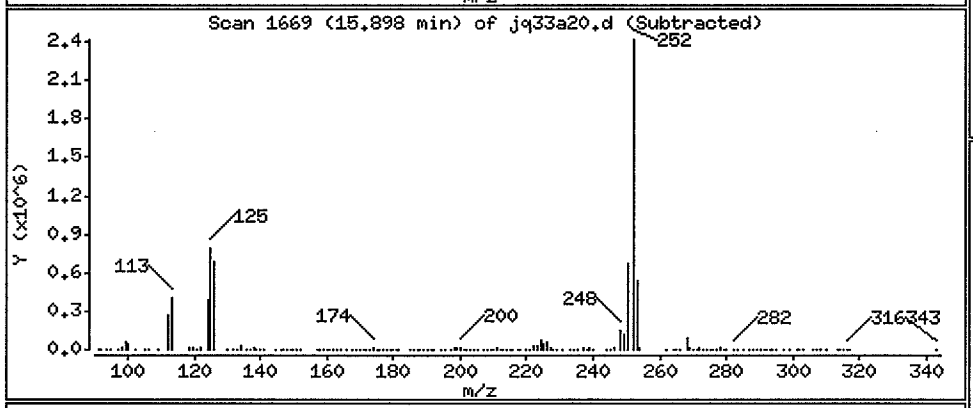
Column phase: ZB-5

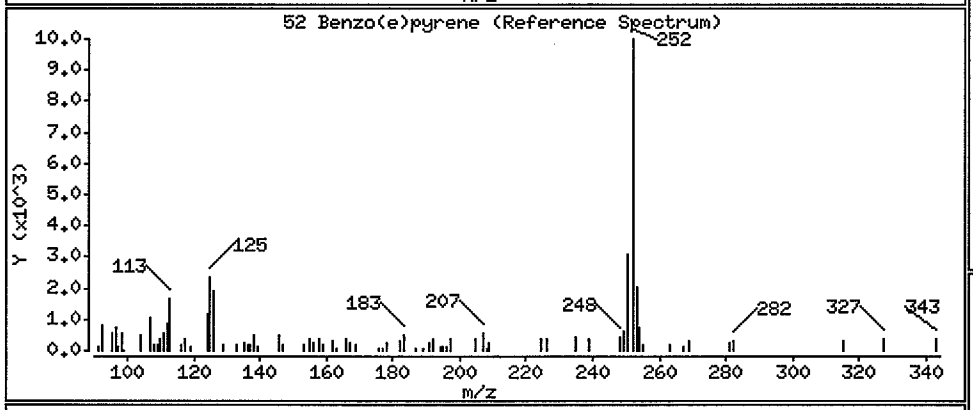
Column diameter: 0.25

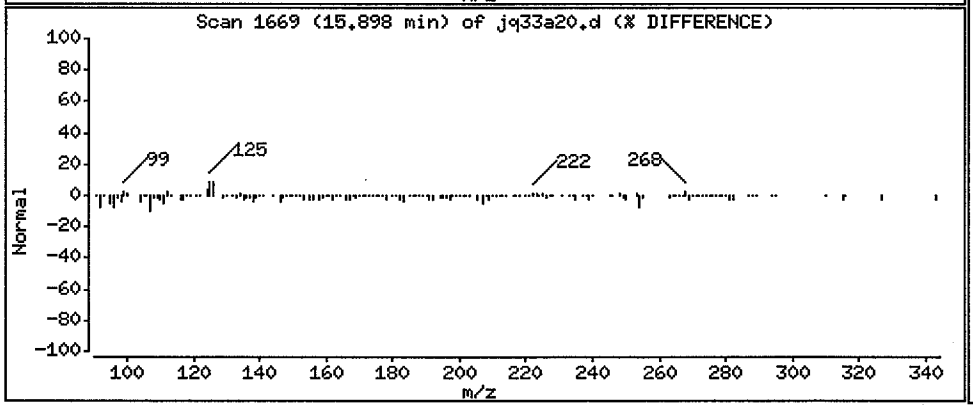
52 Benzo(e)pyrene

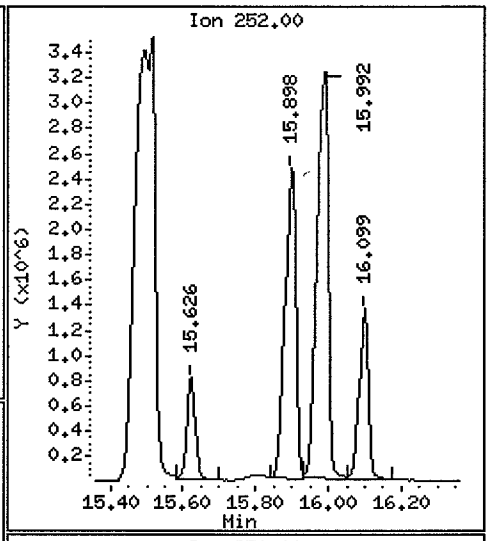
Concentration: 36700 ug/kg

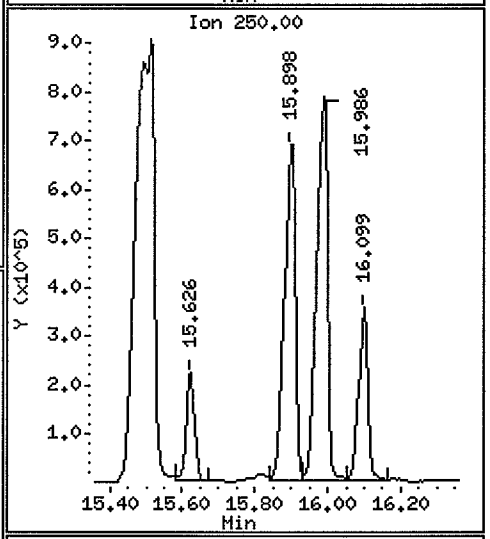


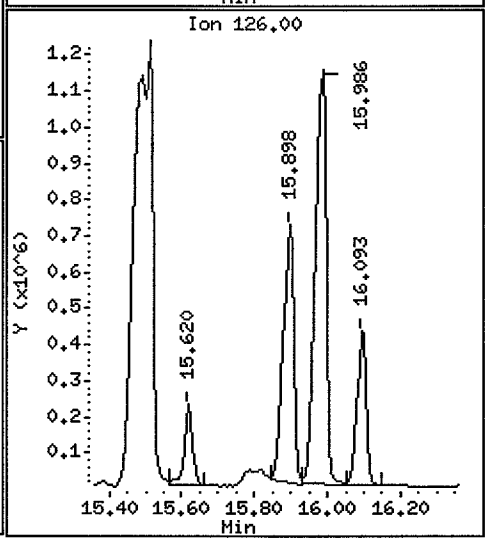












Data File: /chem3/nt1.i/20060804.b/jq33a20.d

Date : 04-AUG-2006 15:22

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,20

Volume Injected (uL): 1.0

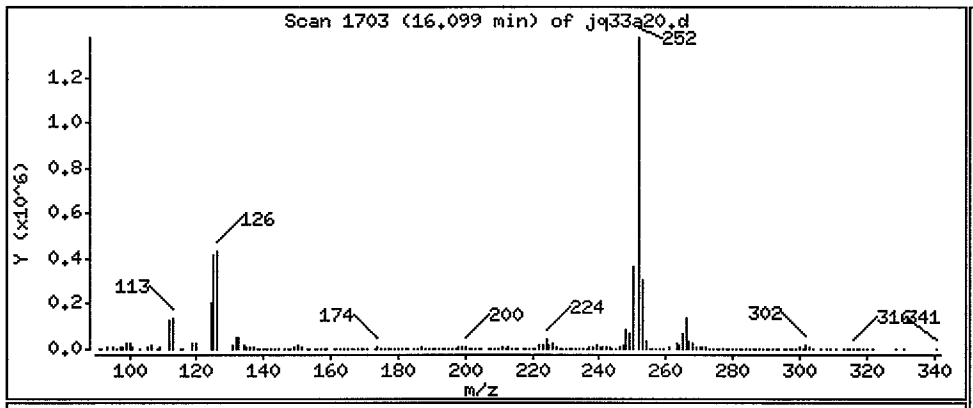
Operator: VTS

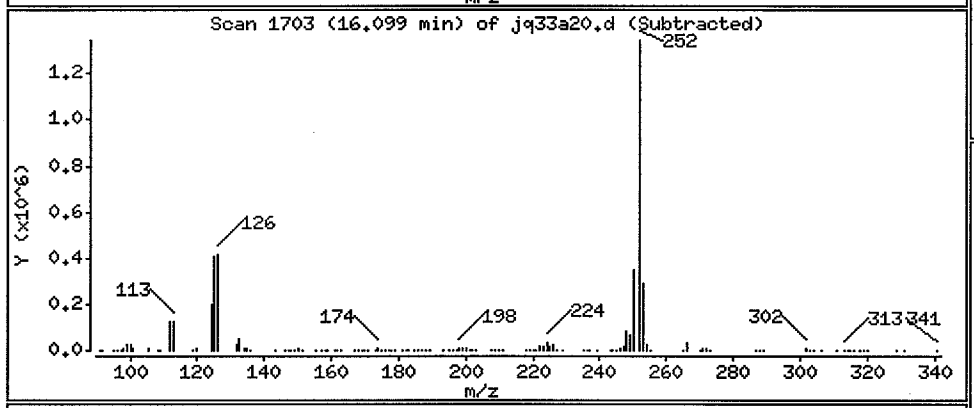
Column phase: ZB-5

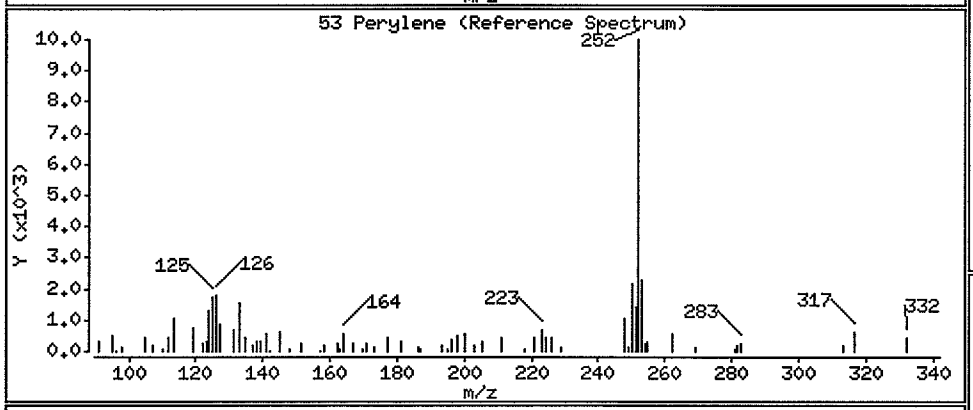
Column diameter: 0.25

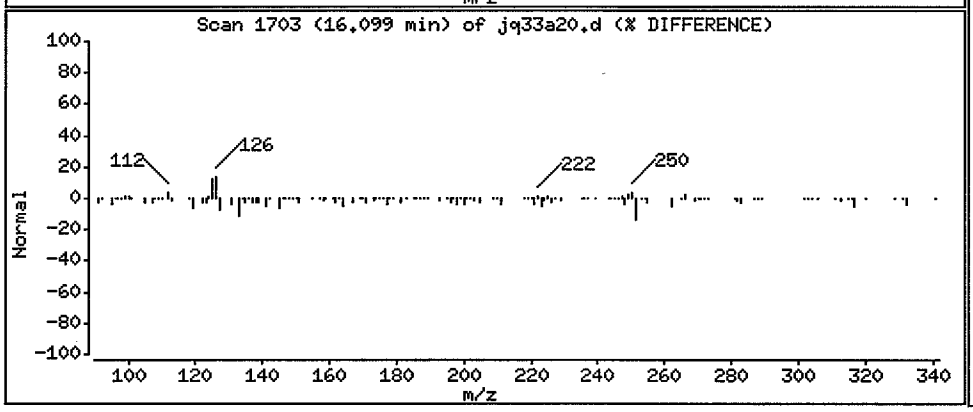
53 Perylene

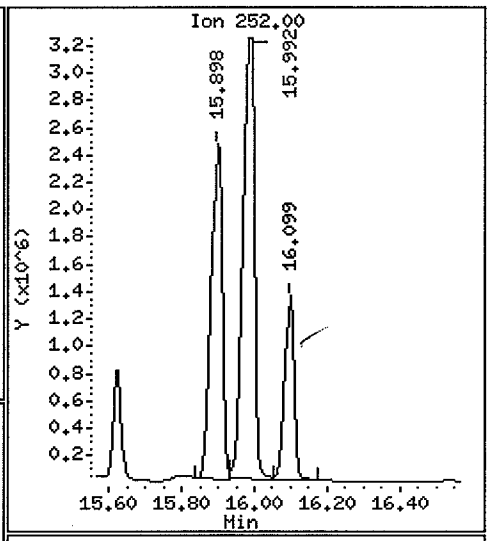
Concentration: 17630 ug/kg

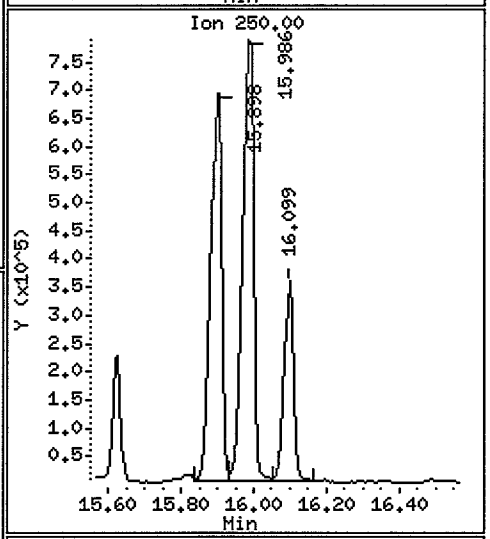


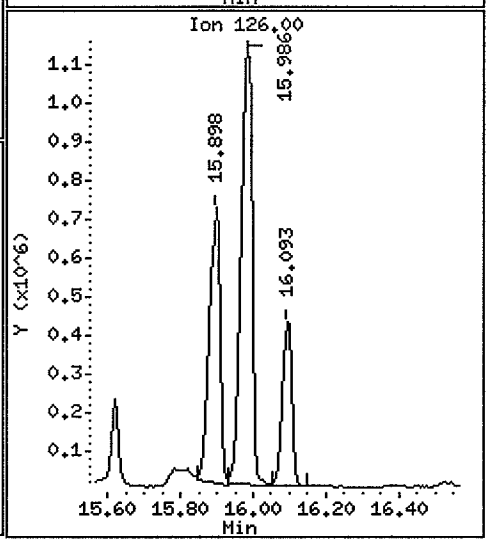






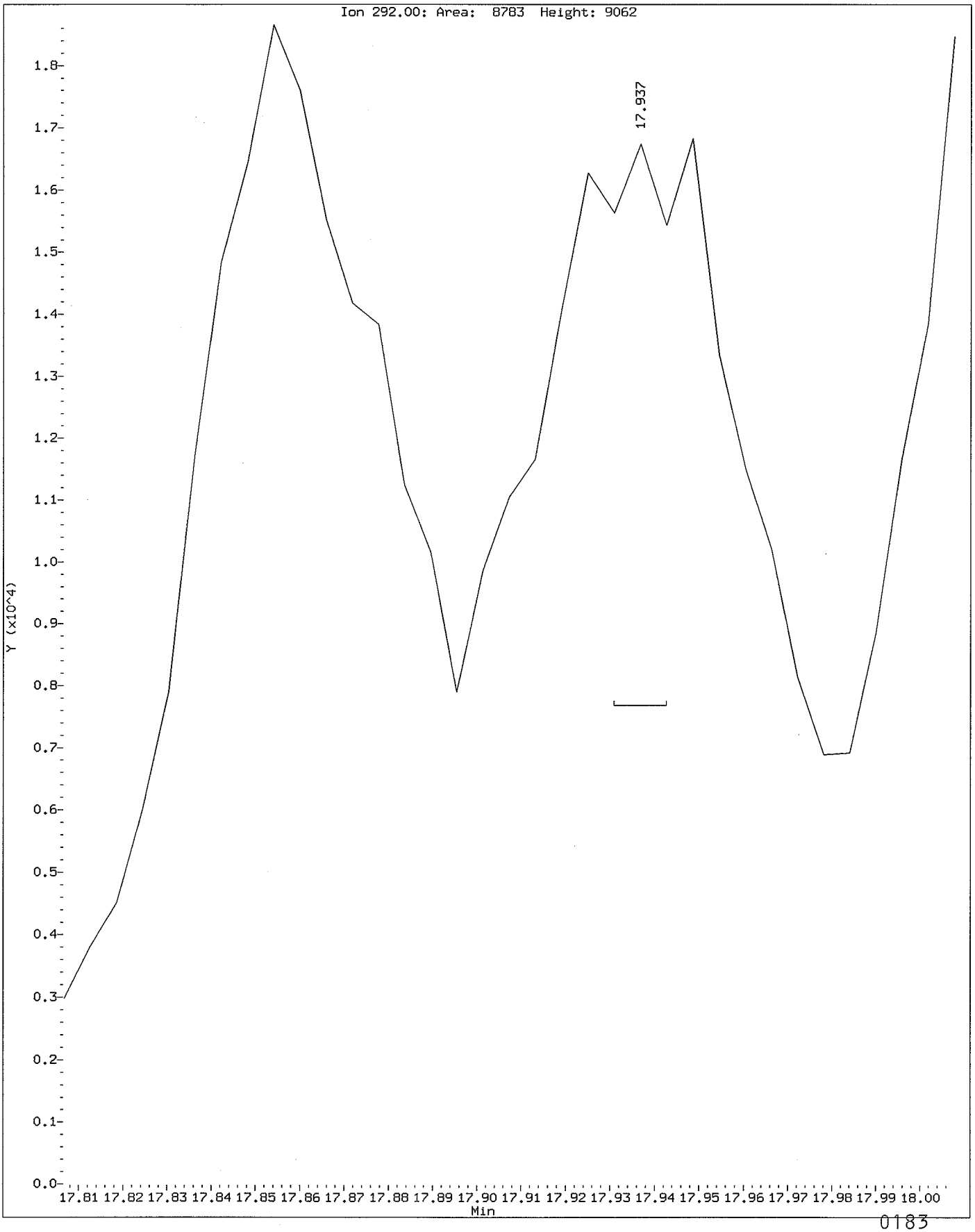






Data File: /chem3/nt1.i/20060804.b/jq33a20.d
Injection Date: 04-AUG-2006 15:22
Instrument: nt1.i
Client Sample ID: T4-B414-01-A

Compound: Dibenz(a,h)anthrancene-d14
CAS Number:



ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-01-A
DILUTION

Lab Sample ID: JQ33A
LIMS ID: 06-12923
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/07/06 12:05
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 400
Percent Moisture: 44.8%
pH: 7.1

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	2,000	< 2,000 U
91-57-6	**2-Methylnaphthalene**	**2,000**	**2,900**
90-12-0	1-Methylnaphthalene	2,000	< 2,000 U
208-96-8	Acenaphthylene	2,000	< 2,000 U
83-32-9	**Acenaphthene**	**2,000**	**12,000**
86-73-7	**Fluorene**	**2,000**	**8,600**
85-01-8	**Phenanthrene**	**2,000**	**60,000 B**
120-12-7	**Anthracene**	**2,000**	**11,000**
206-44-0	**Fluoranthene**	**2,000**	**97,000**
129-00-0	**Pyrene**	**2,000**	**67,000**
56-55-3	**Benzo(a)anthracene**	**2,000**	**46,000**
218-01-9	**Chrysene**	**2,000**	**60,000**
205-99-2	**Benzo(b)fluoranthene**	**2,000**	**63,000**
207-08-9	**Benzo(k)fluoranthene**	**2,000**	**52,000**
50-32-8	**Benzo(a)pyrene**	**2,000**	**54,000**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2,000**	**35,000**
53-70-3	**Dibenz(a,h)anthracene**	**2,000**	**15,000**
191-24-2	**Benzo(g,h,i)perylene**	**2,000**	**38,000**
198-55-0	**Perylene**	**2,000**	**16,000**
92-52-4	Biphenyl	2,000	< 2,000 U
581-42-0	2,6-Dimethylnaphthalene	2,000	< 2,000 U
832-69-9	**1-Methylphenanthrene**	**2,000**	**2,400**
192-97-2	**Benzo(e)pyrene**	**2,000**	**37,000**
2245-38-7	2,3,5-Trimethylnaphthalene	2,000	< 2,000 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	D
d14-Dibenzo(a,h)anthracen	D

YZ 8/8/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq33a400.d
Lab Smp Id: JQ33A Client Smp ID: T4-B414-01-A
Inj Date : 07-AUG-2006 12:05
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33A,400
Misc Info : 06-12923
Comment : 1ul Injection
Method : /chem3/nt1.i/20060807.b/simpna.m
Meth Date : 07-Aug-2006 11:35 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 3
Dil Factor: 400.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	400.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	18.50000	Weight of sample extracted (g)
M	44.80000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.890	6.891	(1.000)	246370	2.00000	
	2 Naphthalene	128	Compound Not Detected.					
$	3 2-Methylnaphthalene-d10	152	Compound Not Detected.					D
	4 2-Methylnaphthalene	142	7.688	7.683	(1.116)	10778	0.14810	2900
	5 1-Methylnaphthalene	142	Compound Not Detected.					
	7 Acenaphthylene	152	Compound Not Detected.					
*	8 Acenaphthene-d10	164	8.952	8.954	(1.000)	132639	2.00000	
	9 Acenaphthene	153	8.994	8.989	(1.005)	40152	0.61651	12070
	10 Dibenzofuran	168	9.177	9.178	(1.025)	22652	0.23613	4624
	11 Fluorene	166	9.602	9.604	(1.073)	33207	0.44465	8708
*	15 Phenanthrene-d10	188	10.767	10.762	(1.000)	226457	2.00000	
	16 Phenanthrene	178	10.796	10.792	(1.003)	353322	3.03967 B	59530
	17 Anthracene	178	10.849	10.851	(1.008)	67213	0.57863	11330
	19 Fluoranthene	202	12.286	12.287	(1.141)	584881	4.93327	96620
	20 Pyrene	202	12.575	12.577	(0.893)	442825	3.41714	66920

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	22 Benzo(a)anthracene	228	14.059	14.054	(0.998)	285300	2.34760	45980
*	23 Chrysene-d12	240	14.082	14.078	(1.000)	201812	2.00000	
	24 Chrysene	228	14.112	14.107	(1.002)	340826	3.04058	59550
	28 Benzo(b)fluoranthene	252	15.459	15.455	(0.964)	355757	3.23079	63270
	29 Benzo(k)fluoranthene	252	15.483	15.484	(0.966)	308874	2.63112	51530
	30 Benzo(a)pyrene	252	15.950	15.951	(0.995)	296364	2.76212	54100
*	31 Perylene-d12	264	16.033	16.034	(1.000)	195108	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	18.007	18.002	(1.123)	221183	1.79255	35110
$	32 Dibenz(a,h)anthrancene-d14	292	Compound Not Detected.					D
	34 Dibenz(a,h)anthracene	278	17.983	17.996	(1.122)	75454	0.74854	14660
	35 Benzo(g,h,i)perylene	276	18.586	18.581	(1.159)	199887	1.94881	38170
	48 Biphenyl	154	Compound Not Detected.					
	49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
	50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
	51 1-Methylphenanthrene	192	11.571	11.566	(0.822)	10116	0.12246	2398
	52 Benzo(e)pyrene	252	15.873	15.869	(0.990)	223042	1.87797	36780
	53 Perylene	252	16.074	16.075	(1.003)	93476	0.83824	16420

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33a400.d
Lab Smp Id: JQ33A
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12923

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-B414-01-A
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	246370	6.64
8 Acenaphthene-d10	129131	64566	258262	132639	2.72
15 Phenanthrene-d10	212850	106425	425700	226457	6.39
23 Chrysene-d12	190817	95408	381634	201812	5.76
31 Perylene-d12	197592	98796	395184	195108	-1.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.89	6.39	7.39	6.89	-0.02
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.02
15 Phenanthrene-d10	10.76	10.26	11.26	10.77	0.04
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.03
31 Perylene-d12	16.03	15.53	16.53	16.03	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33A
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12923

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-01-A
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

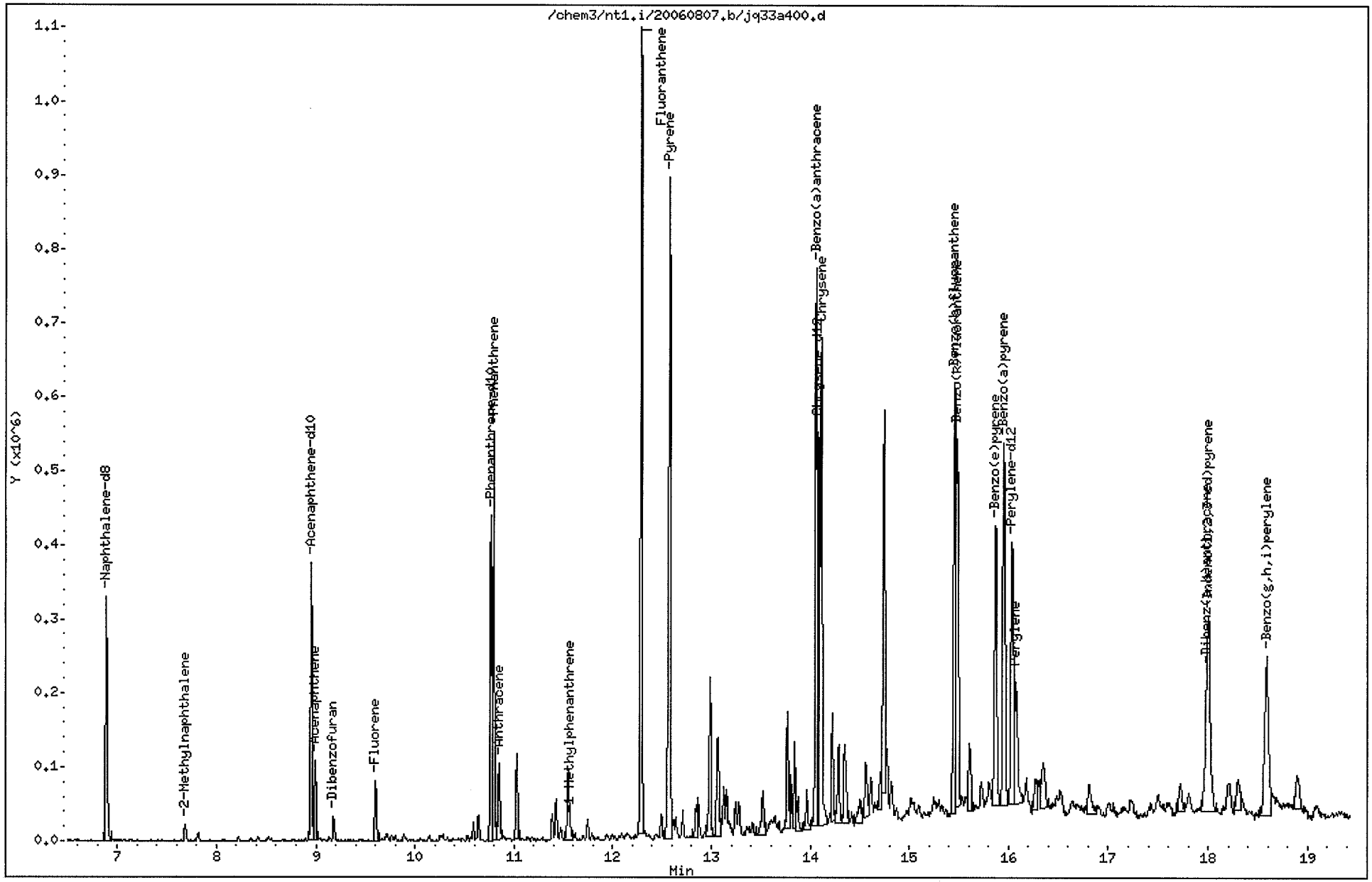
SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthale	146.9	0.000	*	32-97
$ 32 Dibenz(a,h)anthra	146.9	0.000	*	21-105

400x dilution

Data File: /chem3/nt1.i/20060807.b/jq33a400.d
Date : 07-AUG-2006 12:05
Client ID: T4-B414-01-A
Sample Info: JQ33A,400
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25

0189



Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

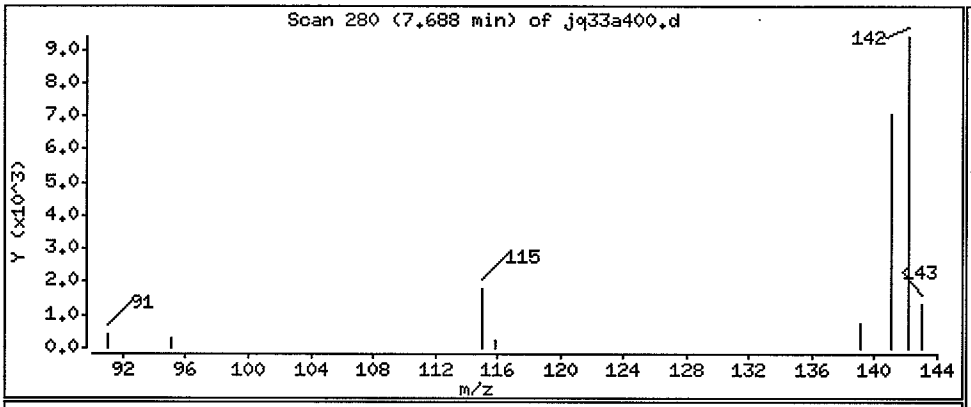
Operator: VTS

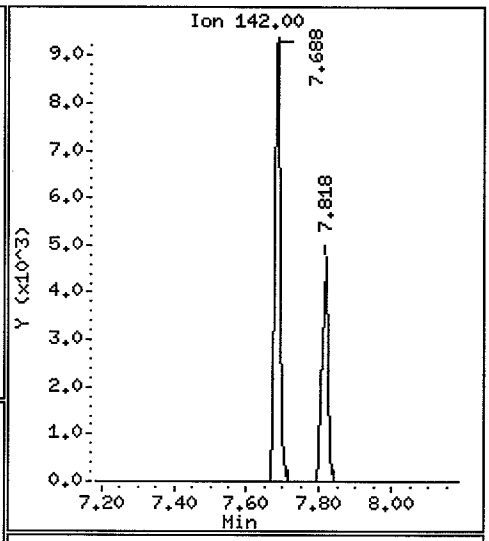
Column phase: ZB-5

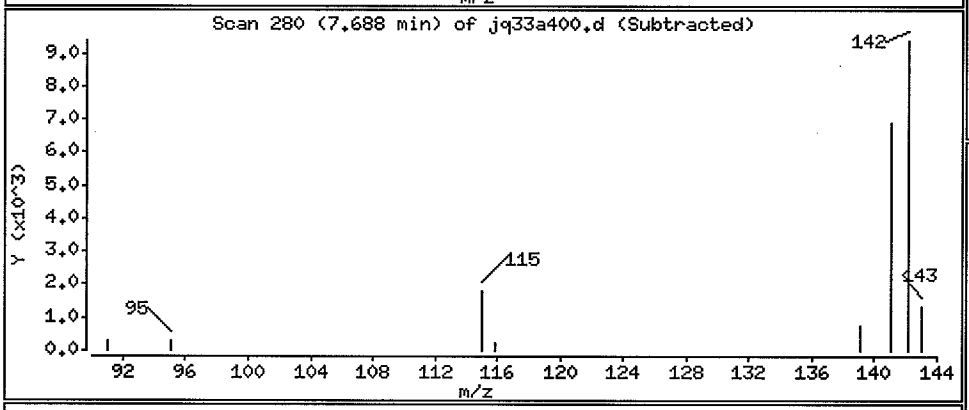
Column diameter: 0.25

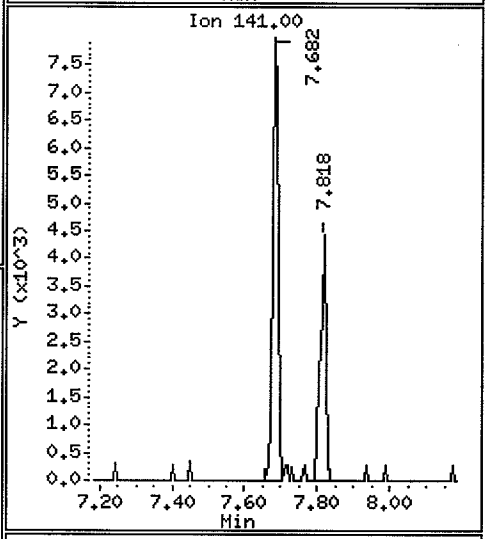
4 2-Methylnaphthalene

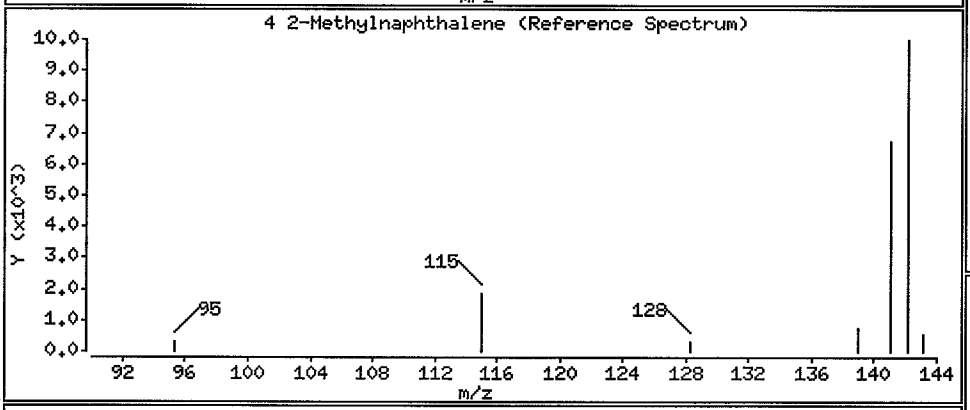
Concentration: 2900 ug/kg

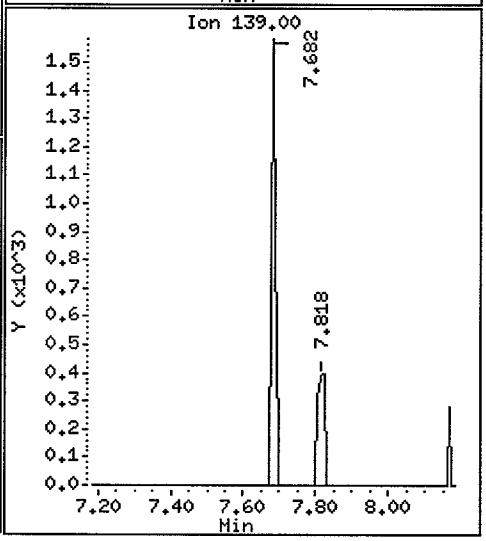


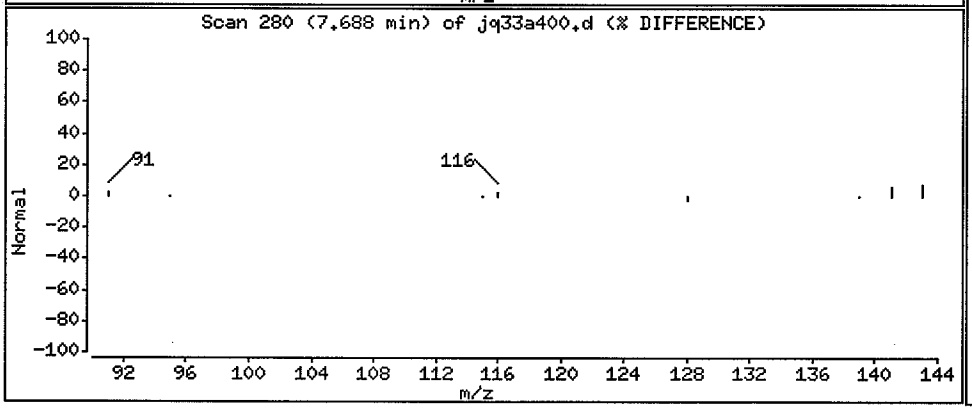












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

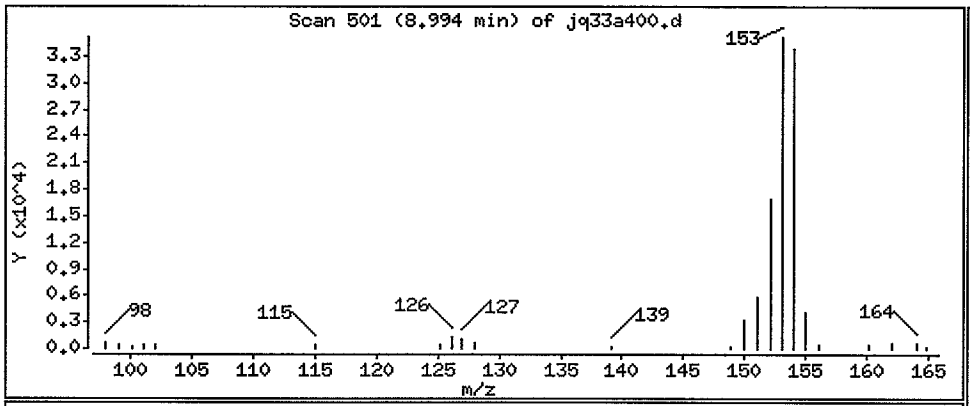
Operator: VTS

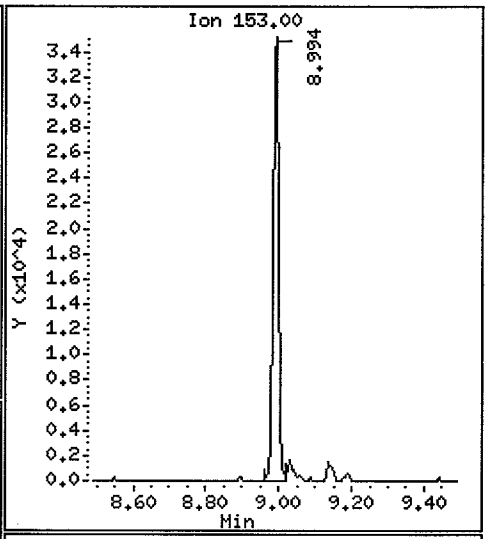
Column phase: ZB-5

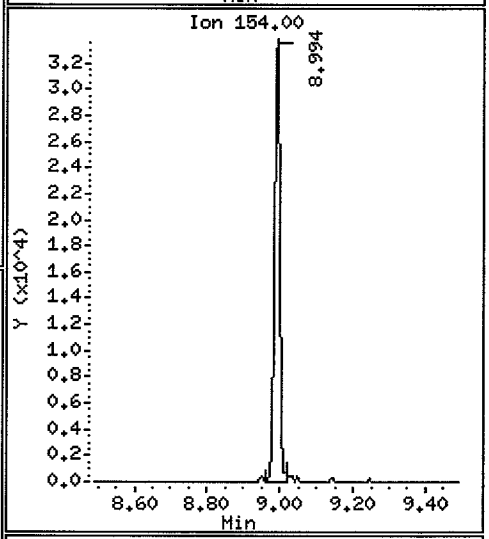
Column diameter: 0.25

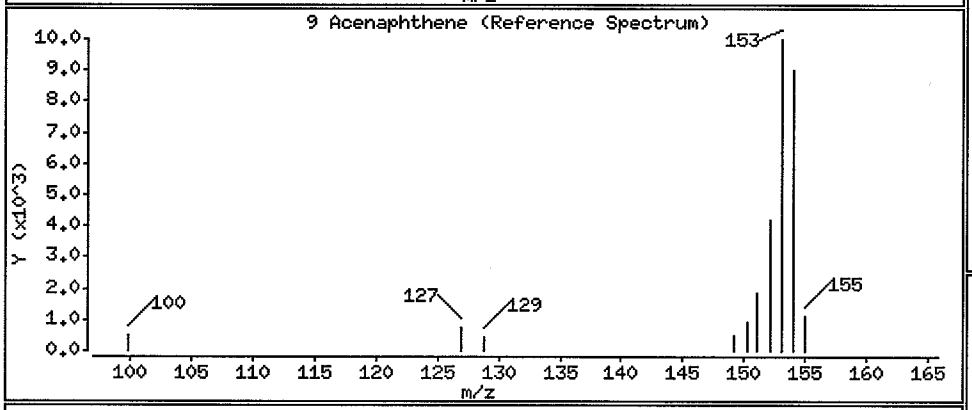
9 Acenaphthene

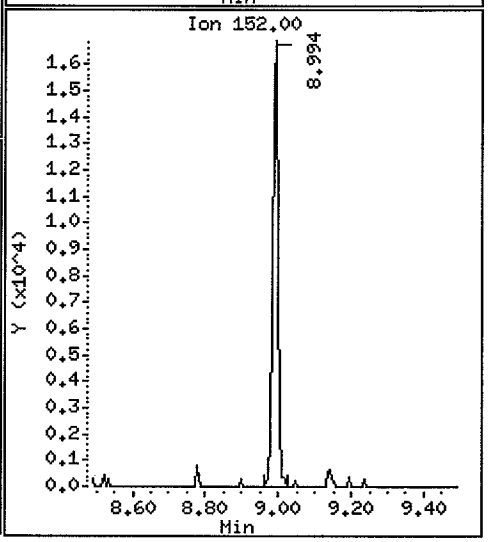
Concentration: 12070 ug/kg

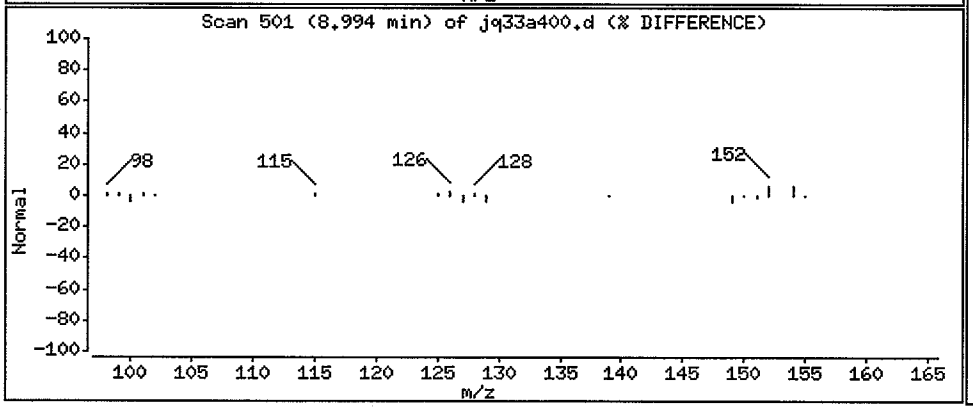












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

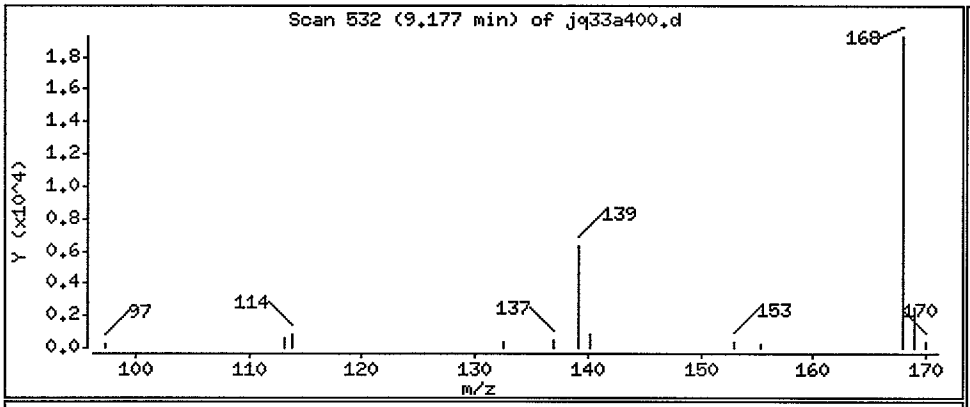
Operator: VTS

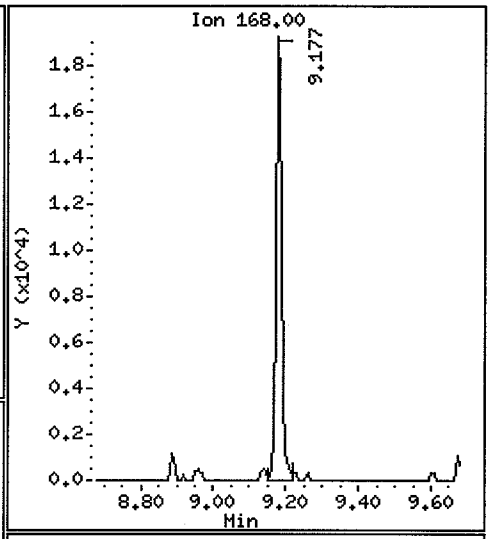
Column phase: ZB-5

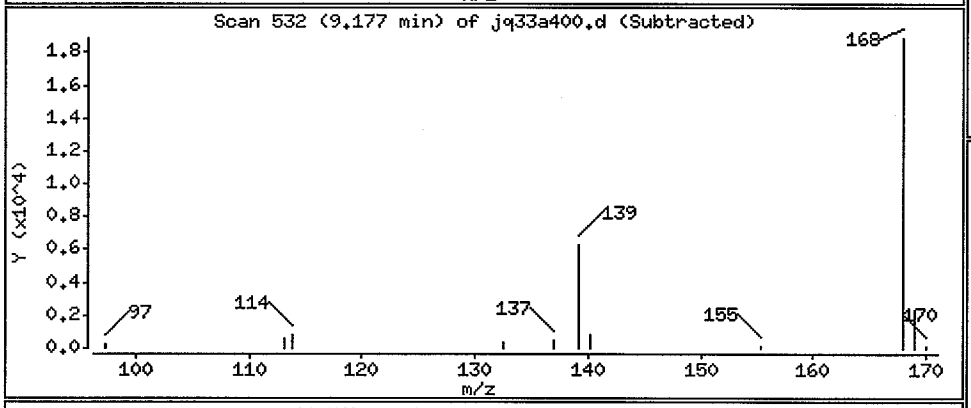
Column diameter: 0.25

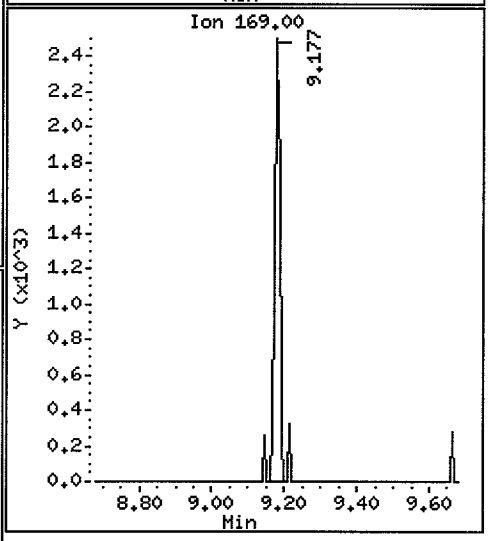
10 Dibenzofuran

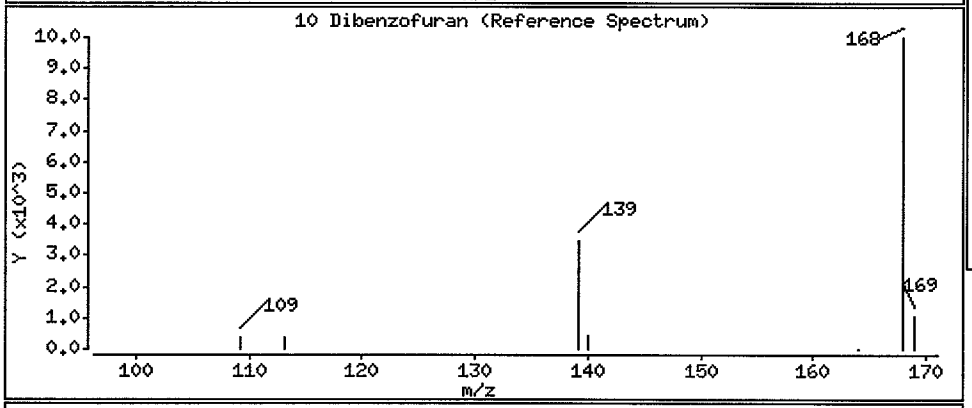
Concentration: 4624 ug/kg

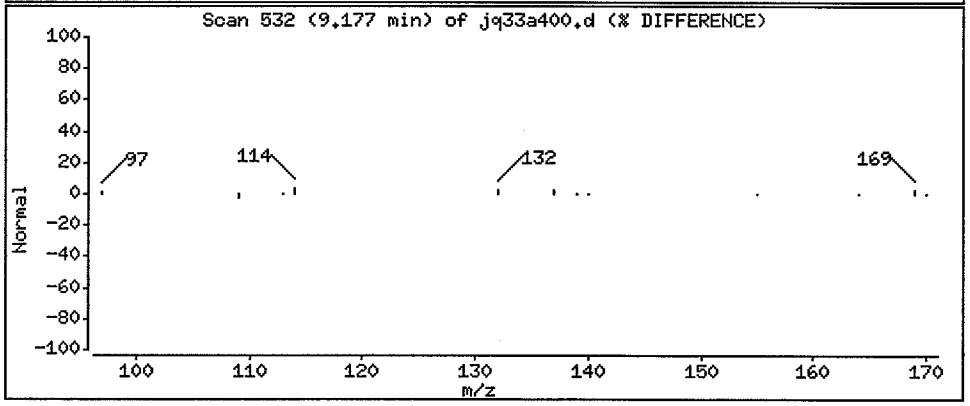












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

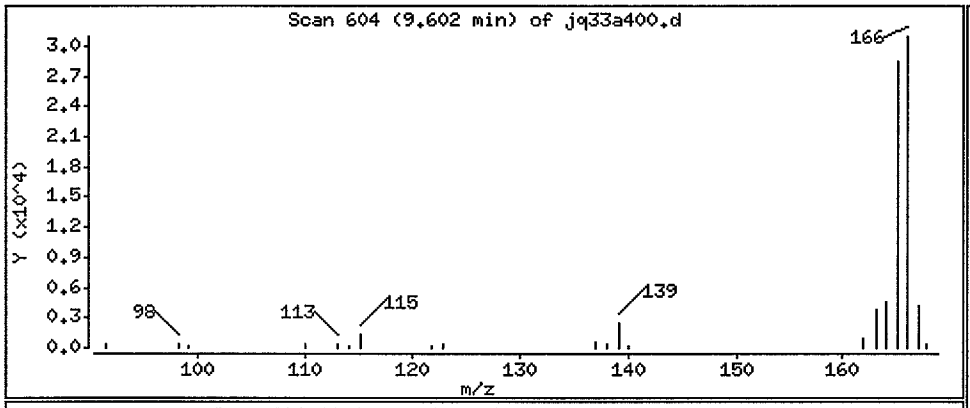
Operator: VTS

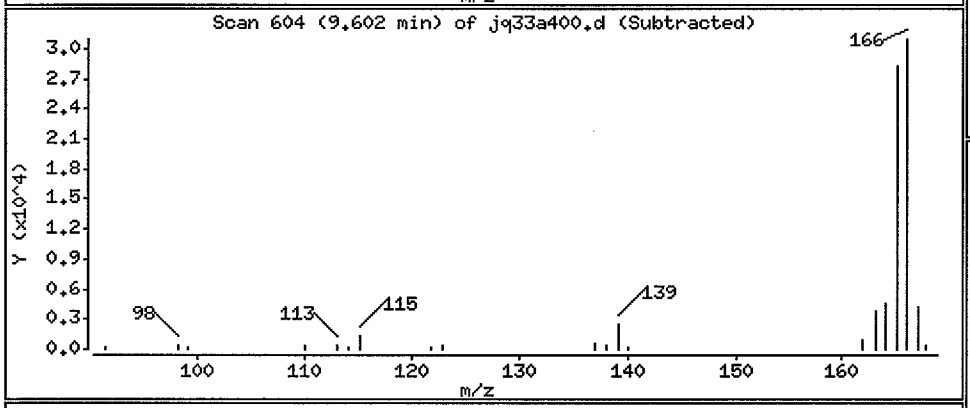
Column phase: ZB-5

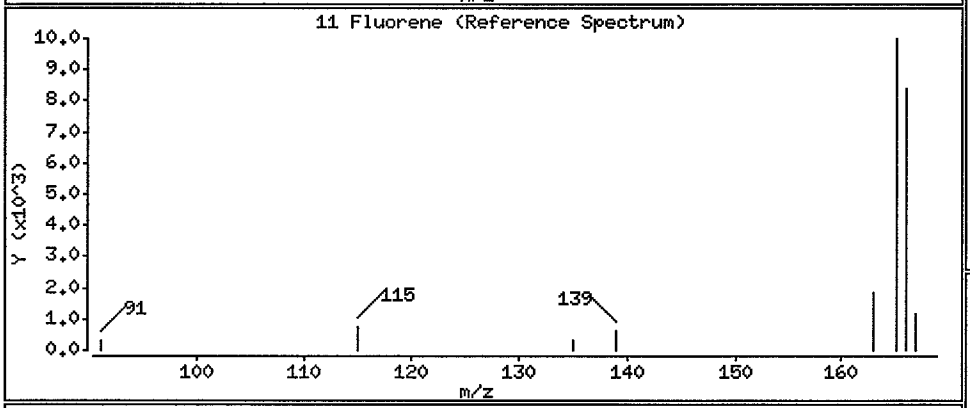
Column diameter: 0.25

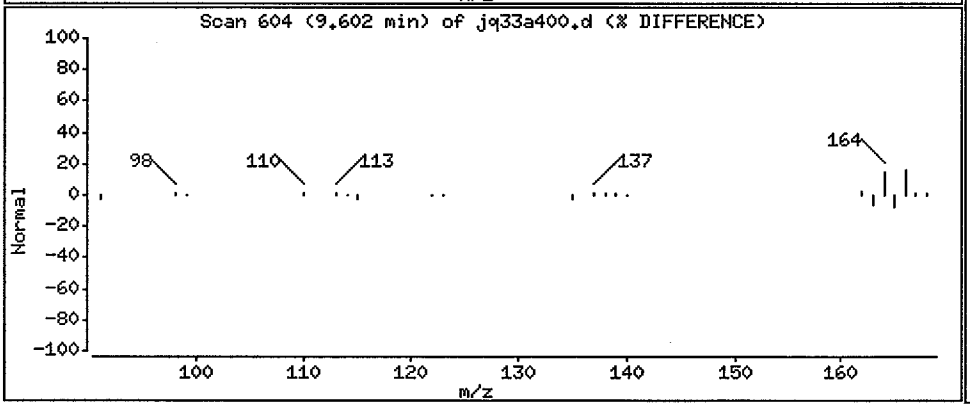
11 Fluorene

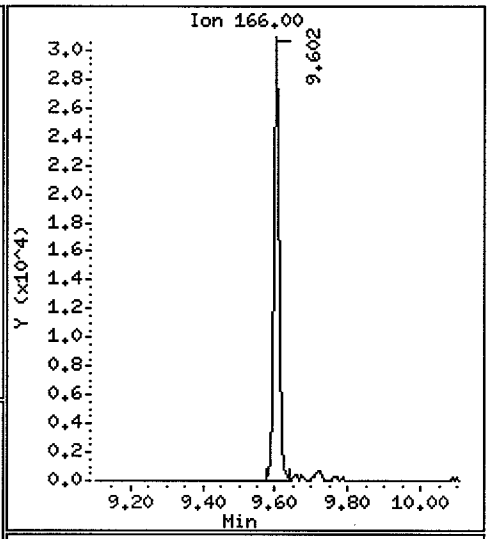
Concentration: 8708 ug/kg

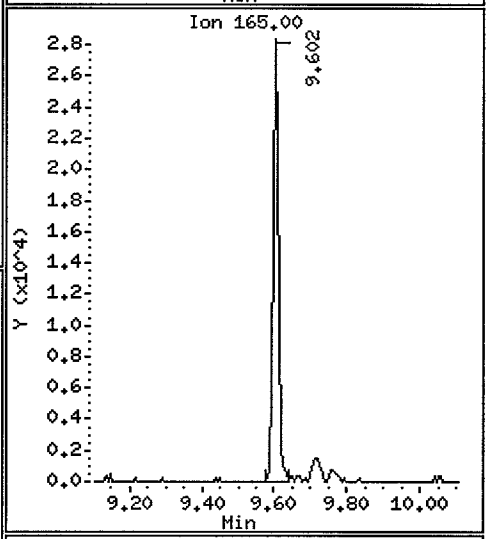


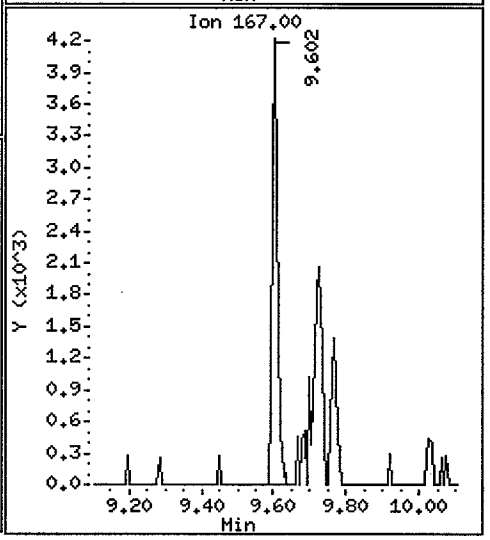












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

Operator: VTS

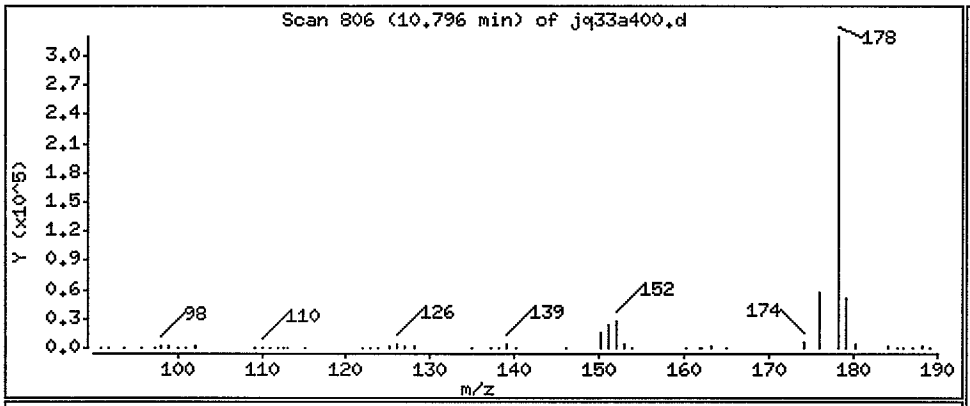
Column phase: ZB-5

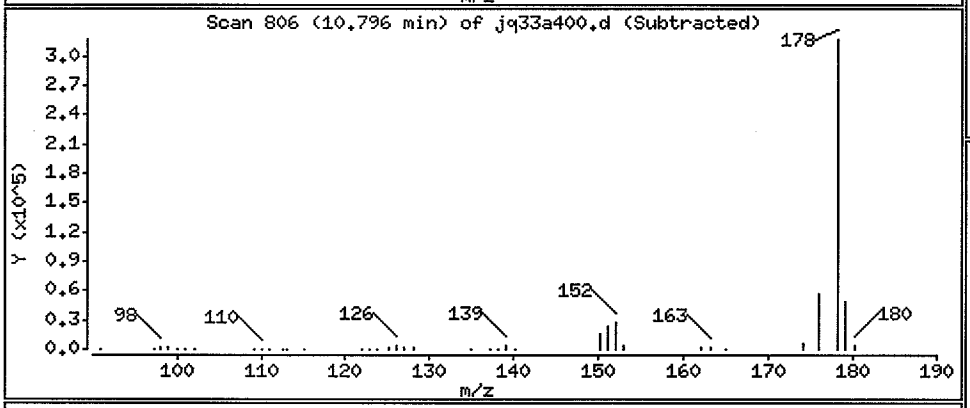
Column diameter: 0.25

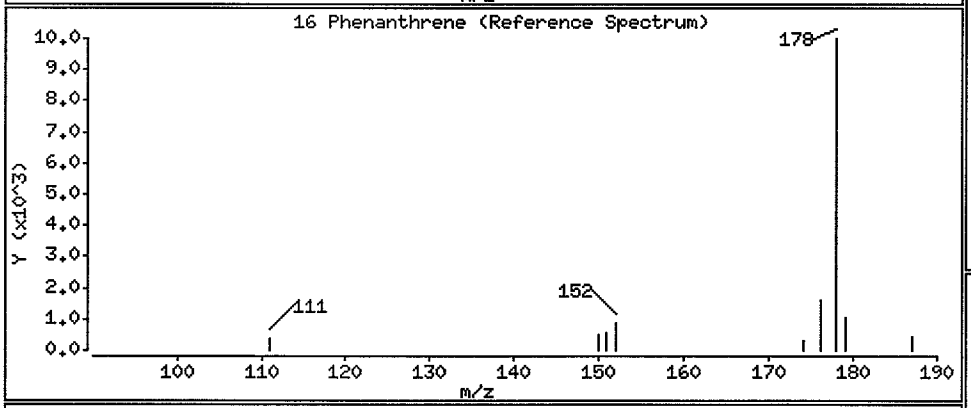
16 Phenanthrene

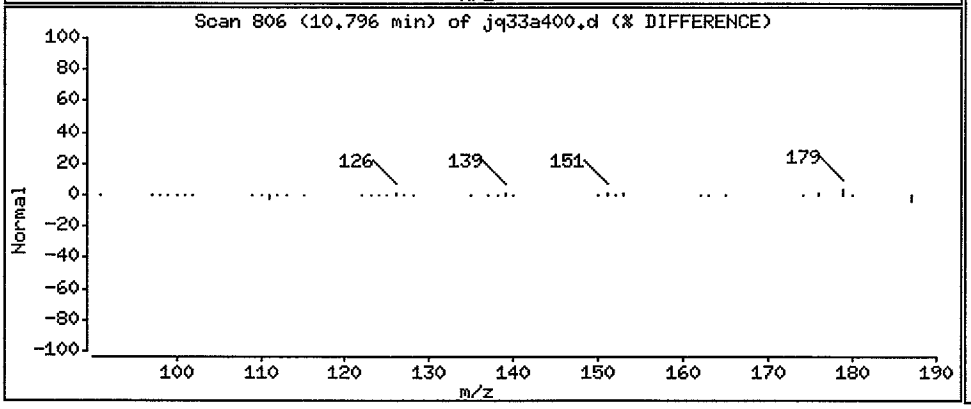
Concentration: 59530 ug/kg

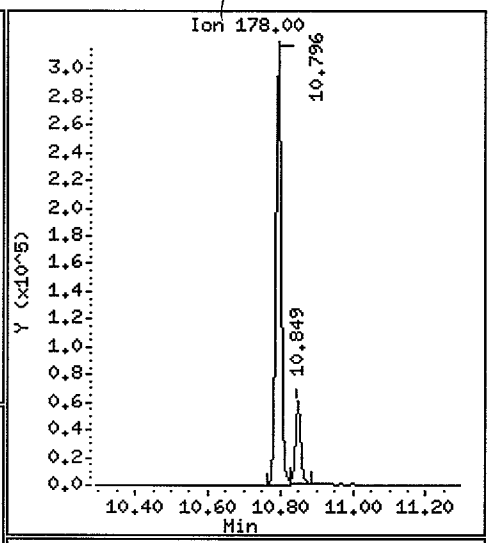
B

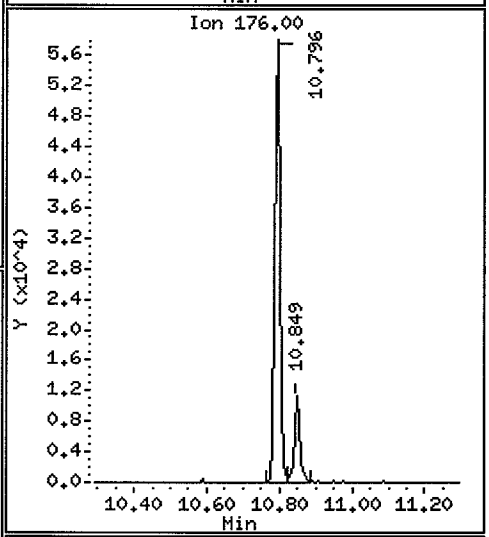


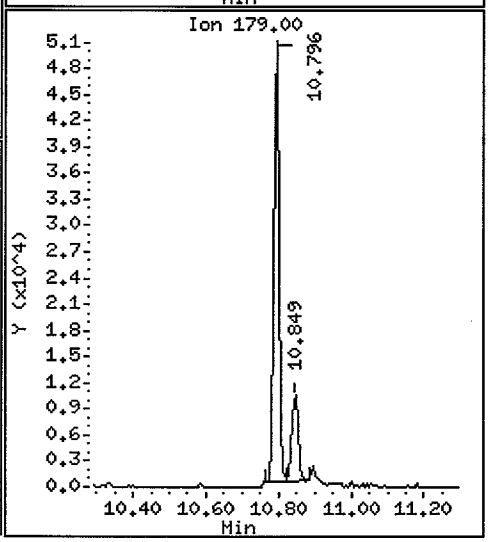












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

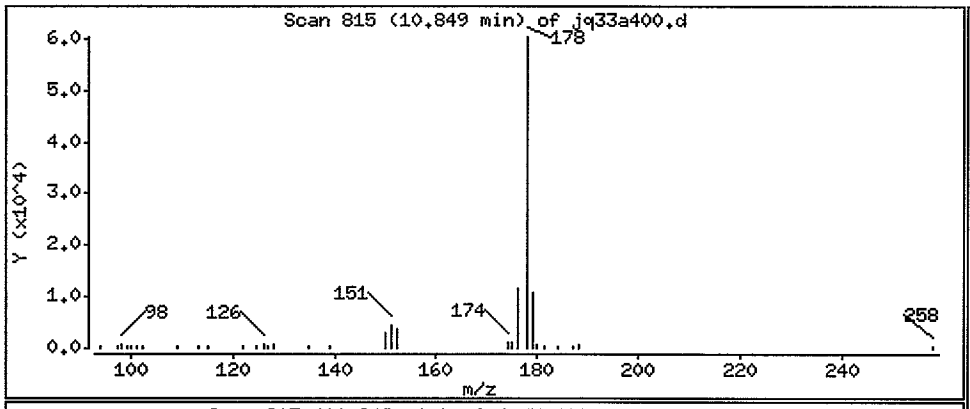
Operator: VTS

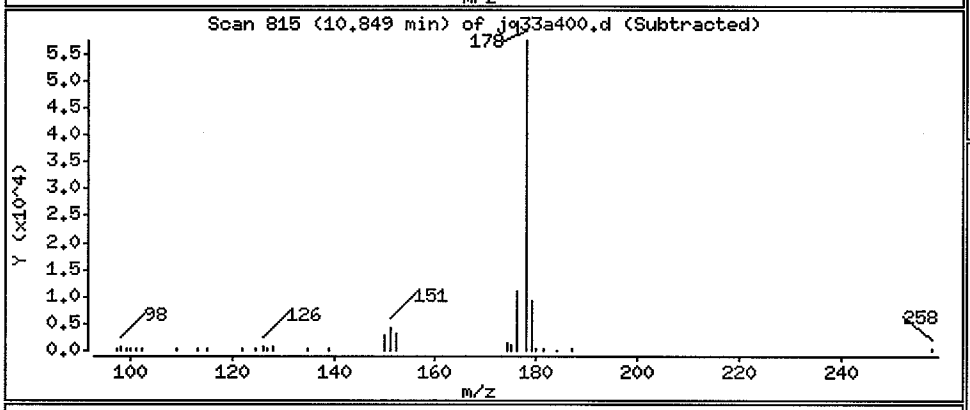
Column phase: ZB-5

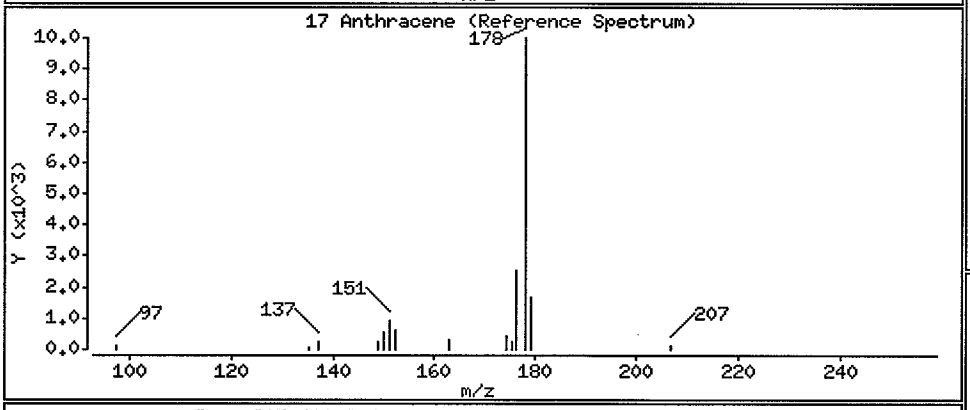
Column diameter: 0.25

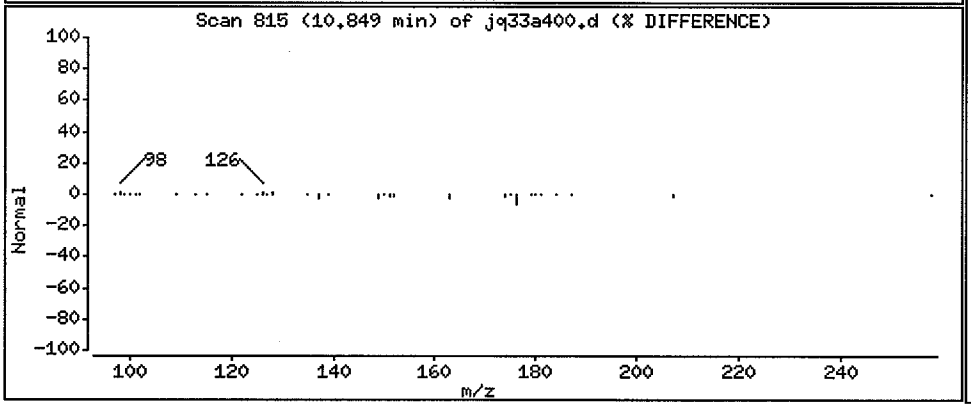
17 Anthracene

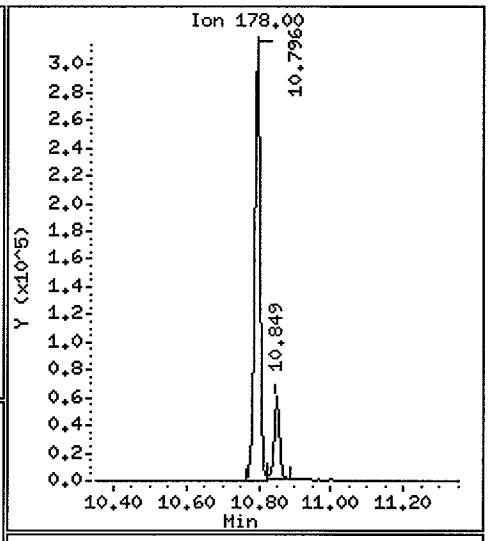
Concentration: 11330 ug/kg

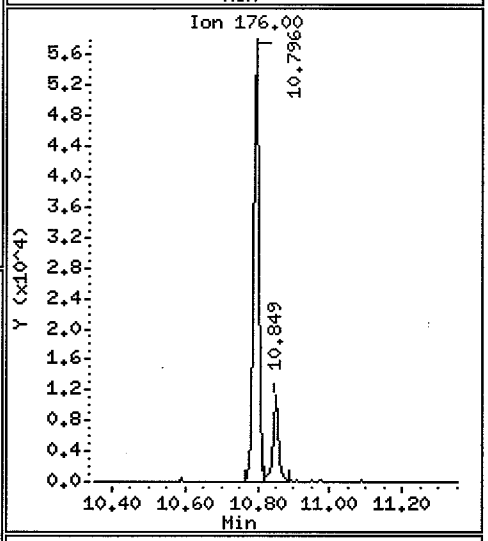


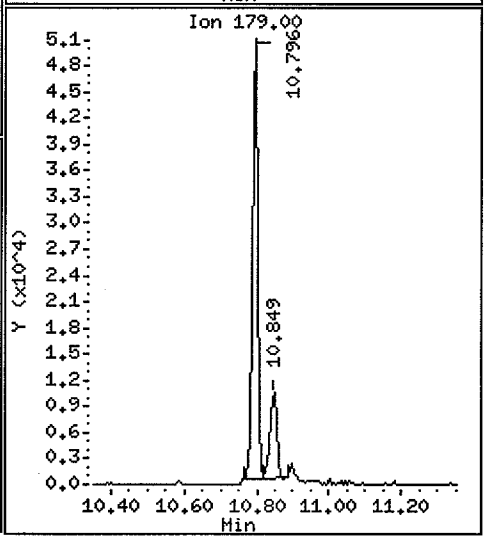












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

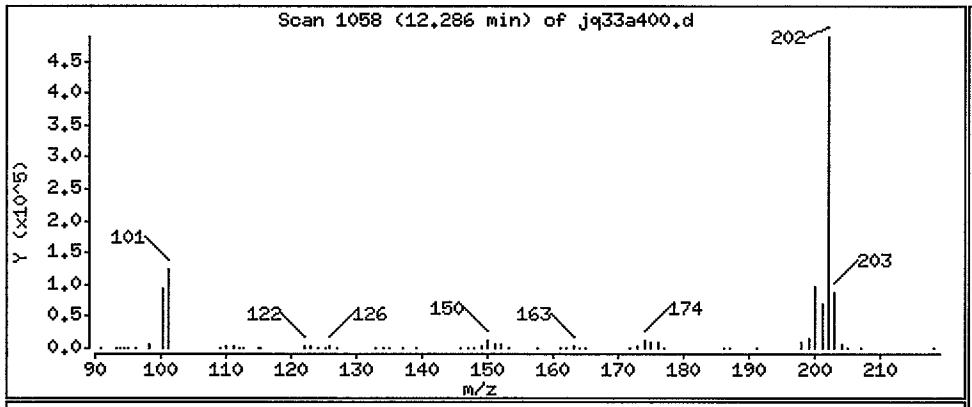
Operator: VTS

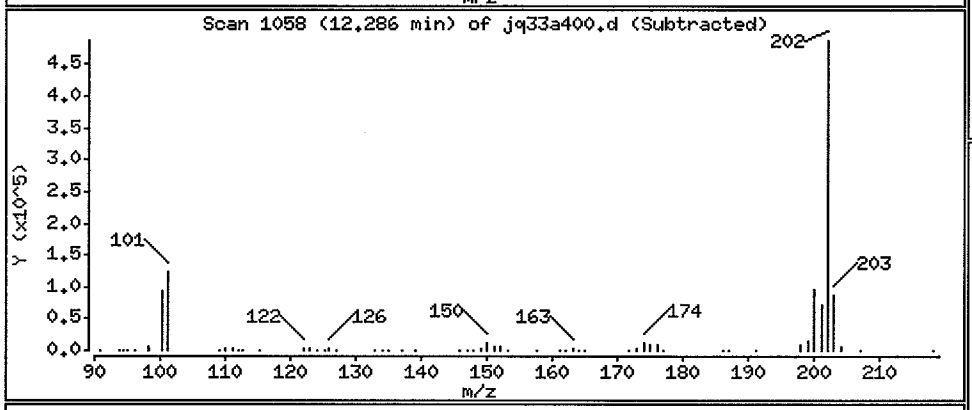
Column phase: ZB-5

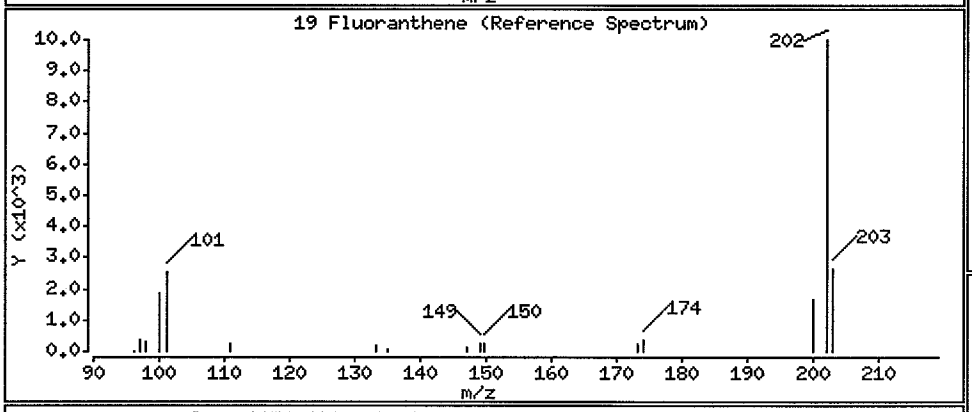
Column diameter: 0.25

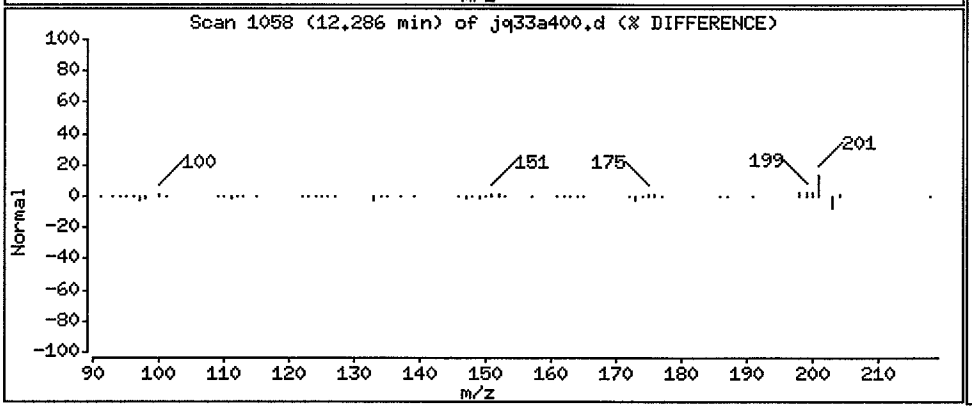
19 Fluoranthene

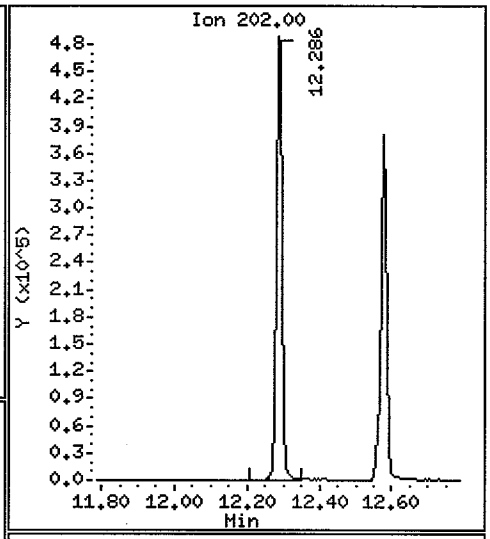
Concentration: 96620 ug/kg

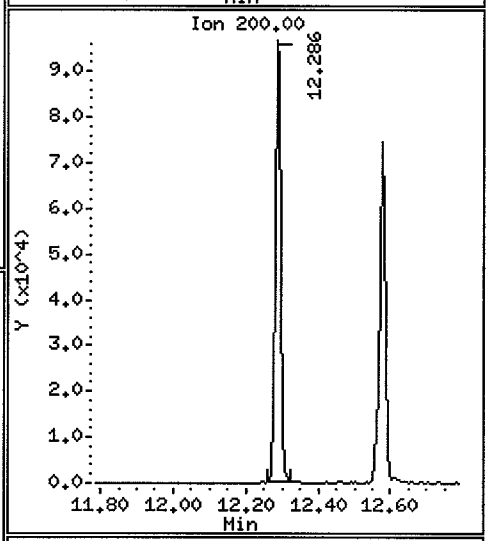


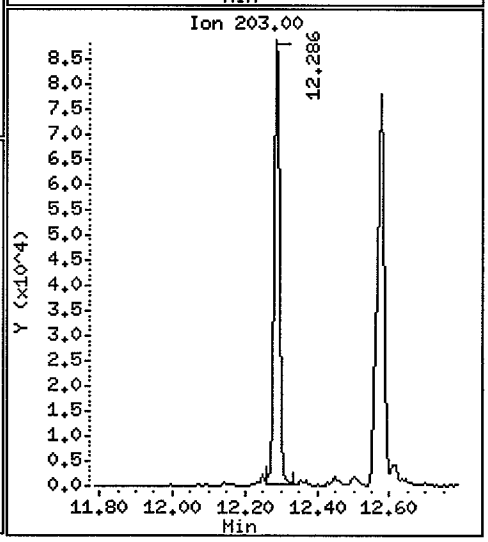












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

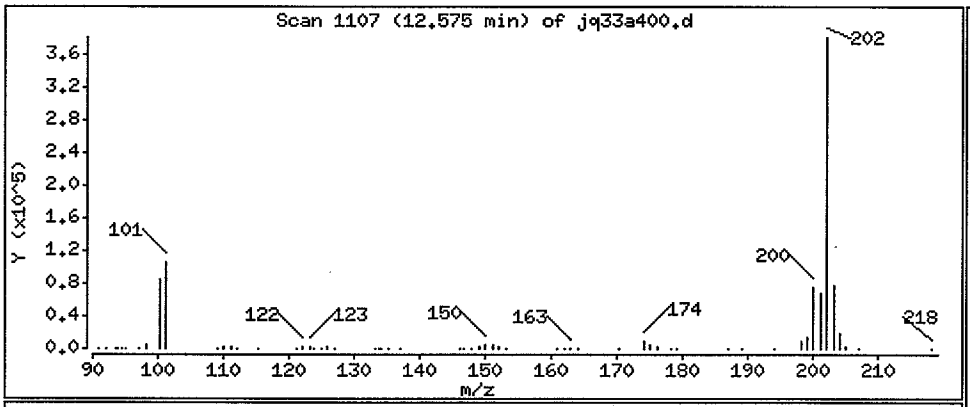
Operator: VTS

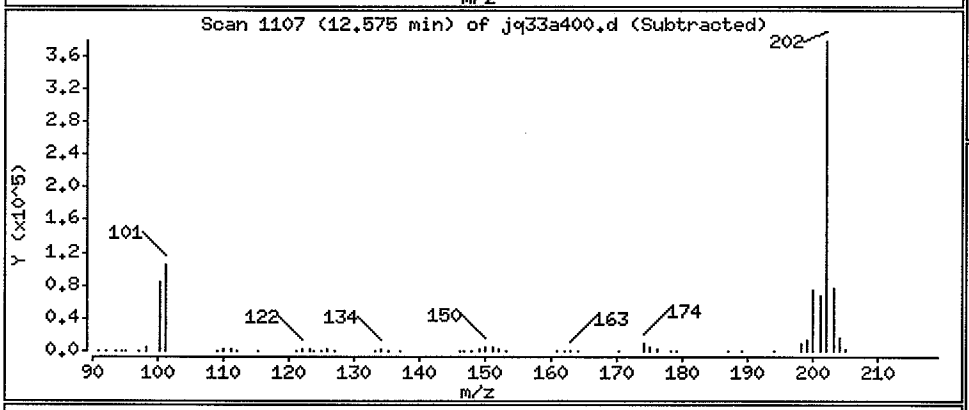
Column phase: ZB-5

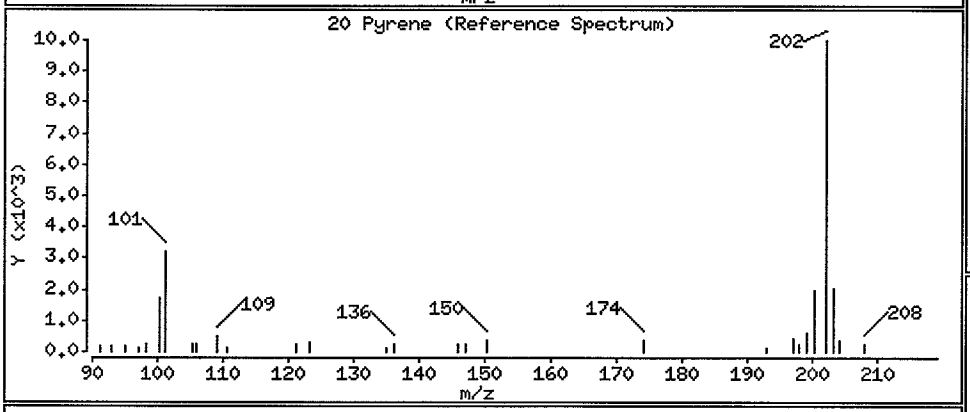
Column diameter: 0.25

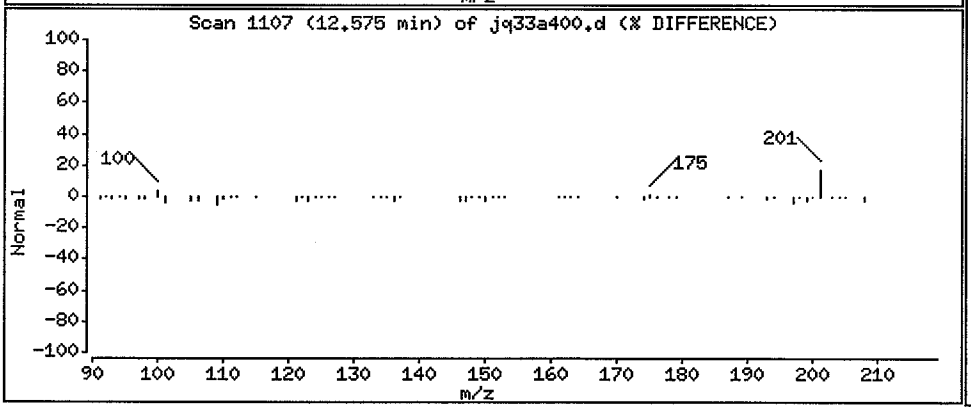
20 Pyrene

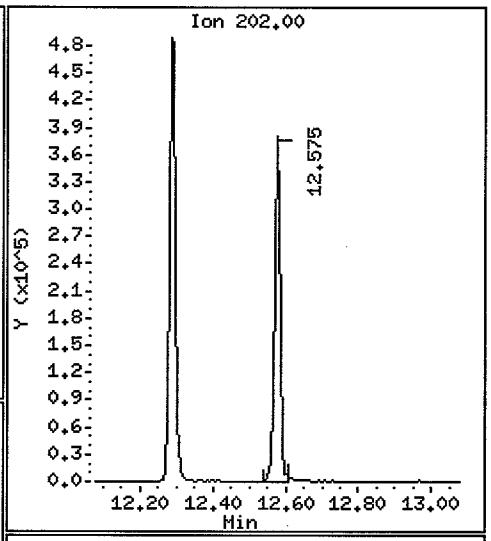
Concentration: 66920 ug/kg

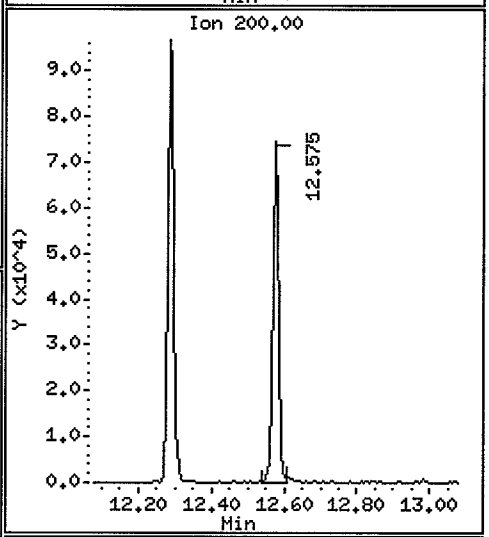


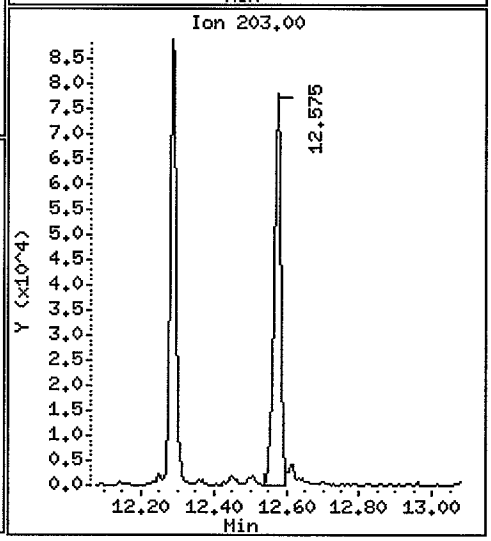












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

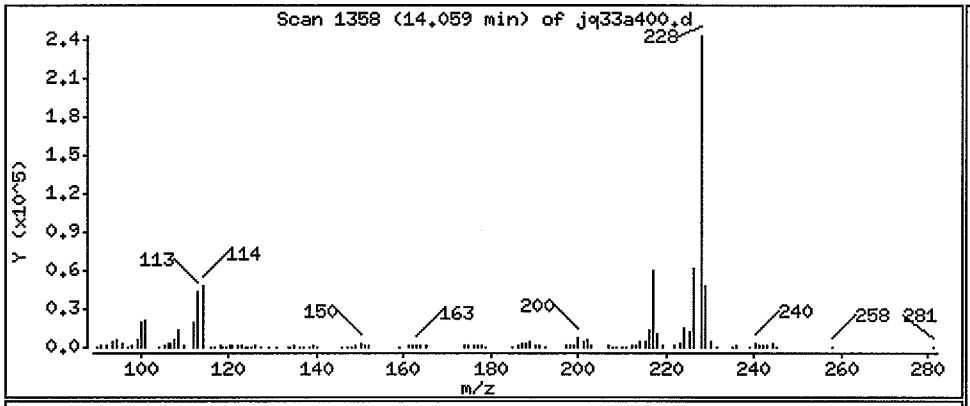
Operator: VTS

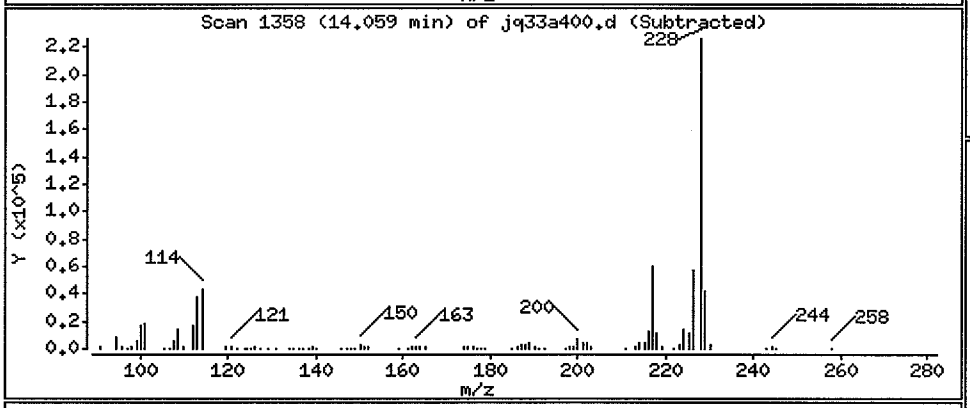
Column phase: ZB-5

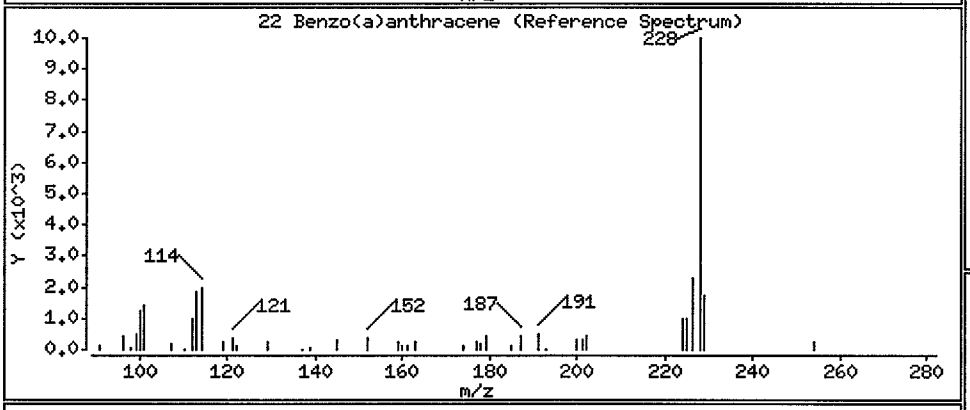
Column diameter: 0.25

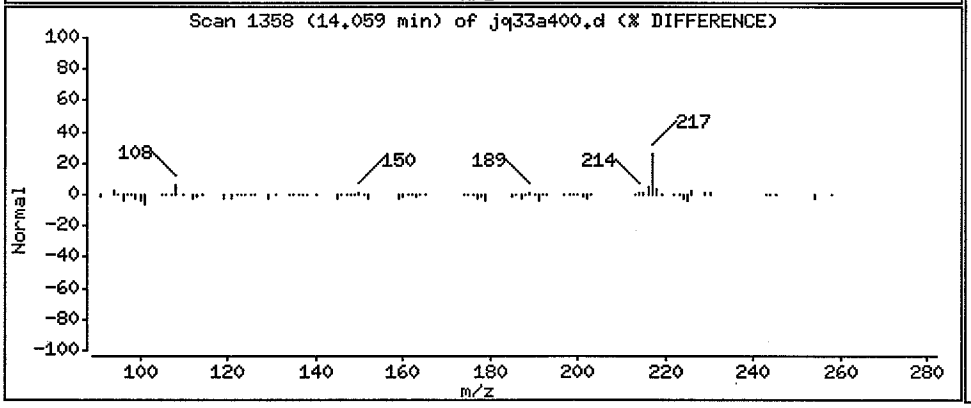
22 Benzo(a)anthracene

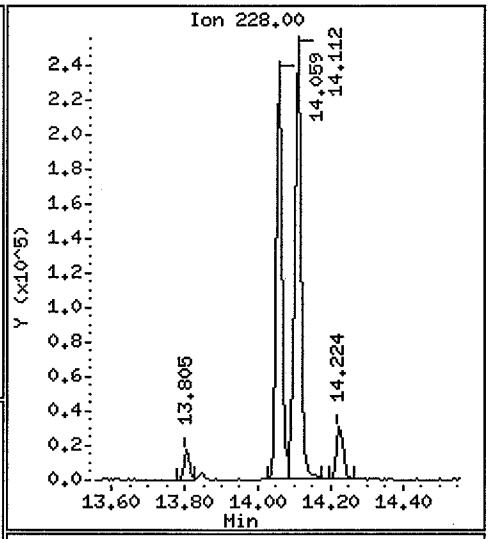
Concentration: 45980 ug/kg

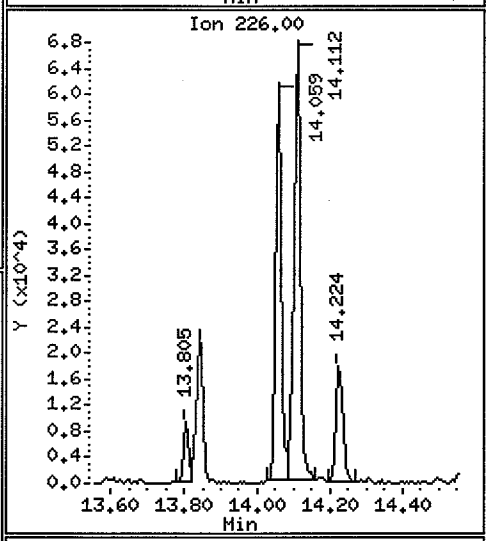


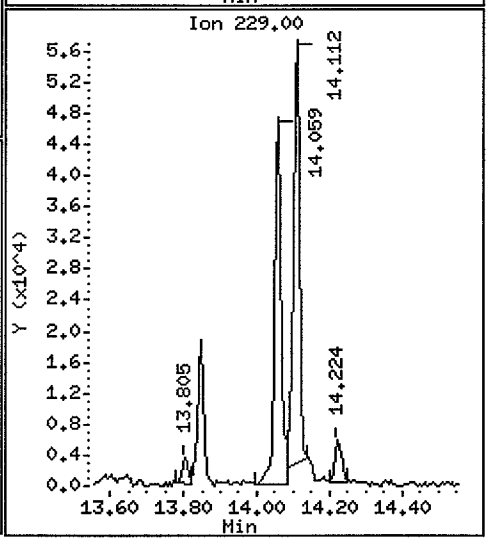












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

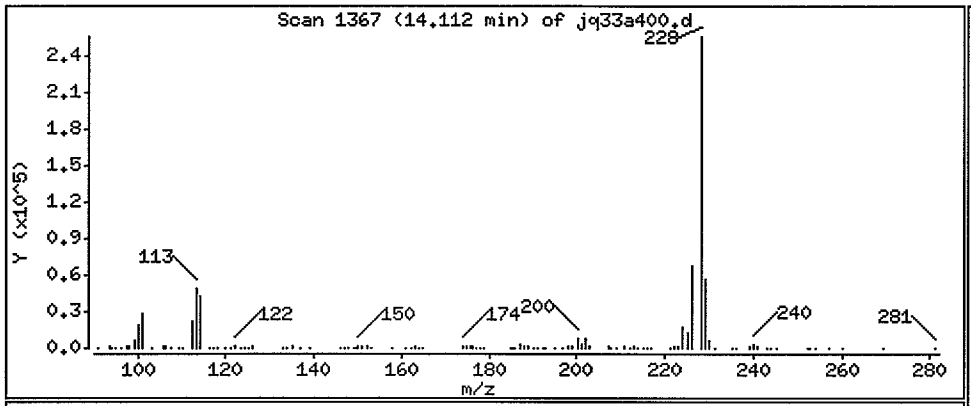
Operator: VTS

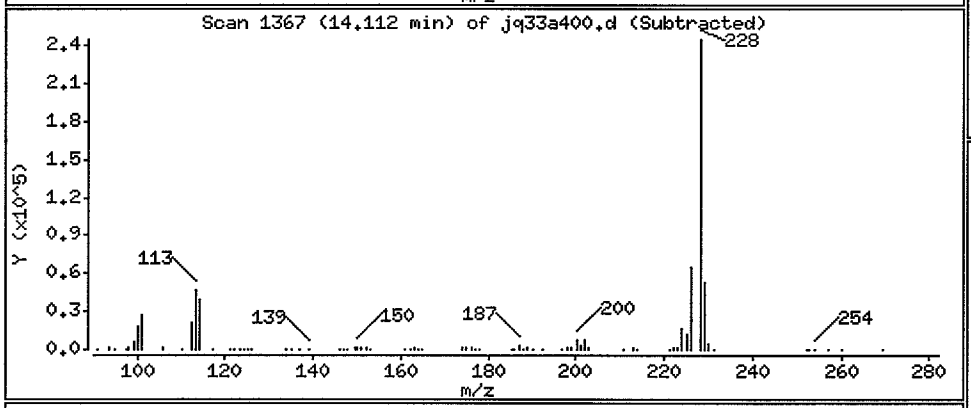
Column phase: ZB-5

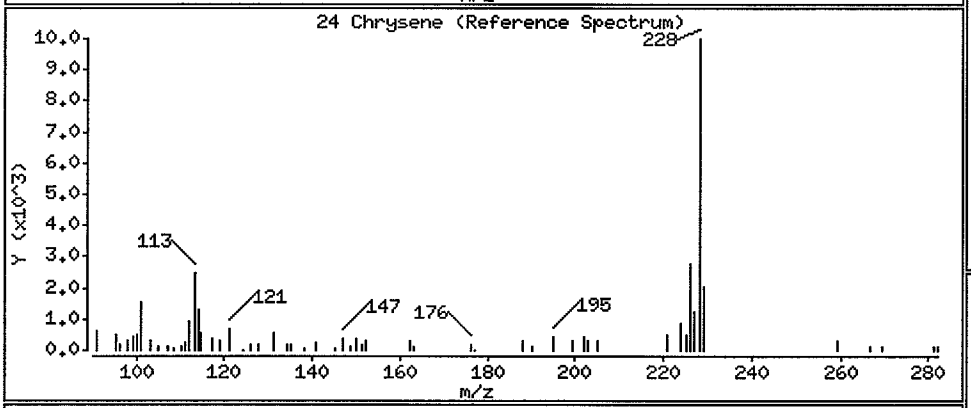
Column diameter: 0.25

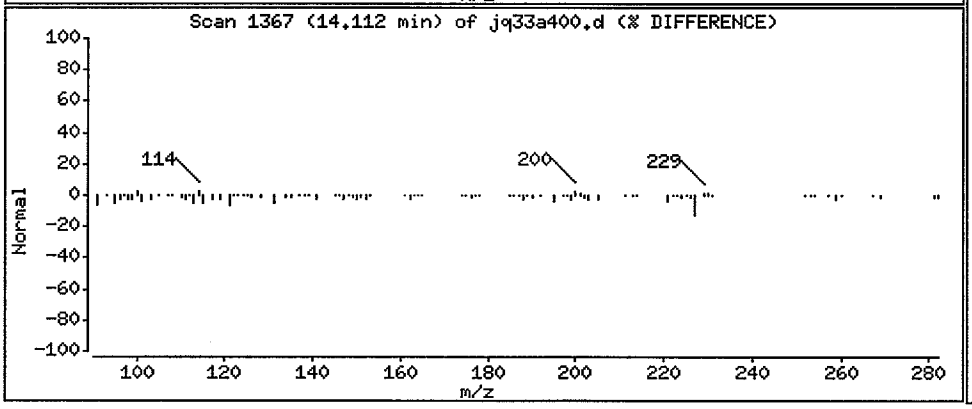
24 Chrysene

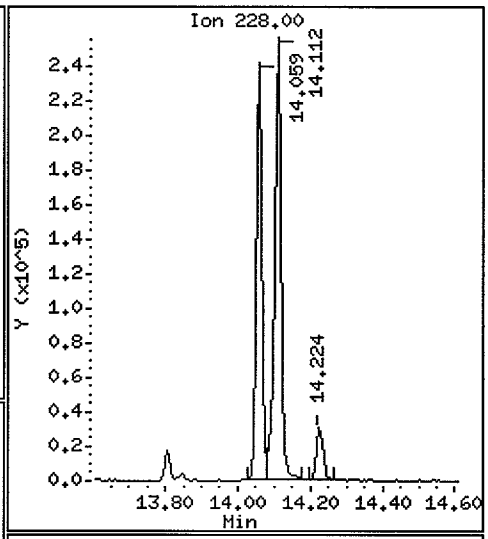
Concentration: 59550 ug/kg

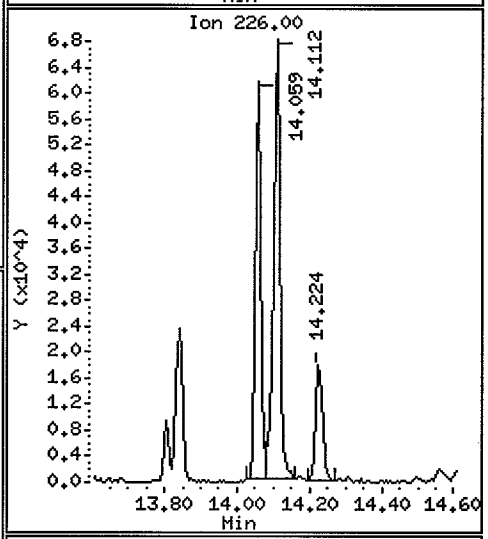


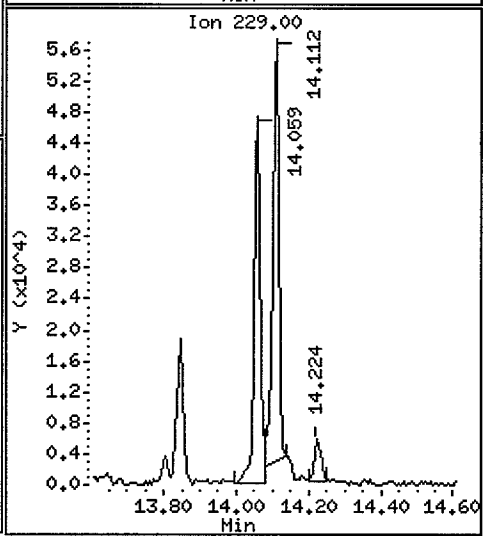












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

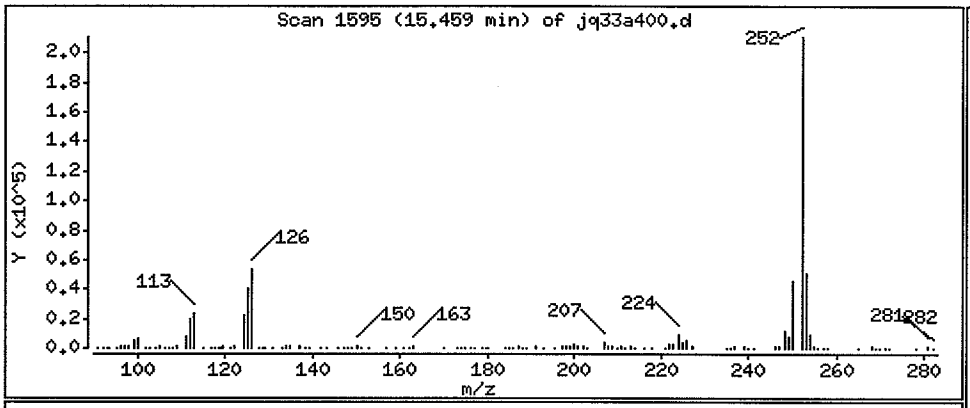
Operator: VTS

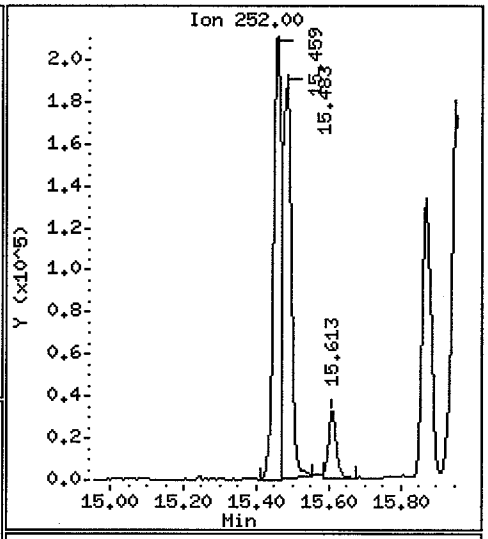
Column phase: ZB-5

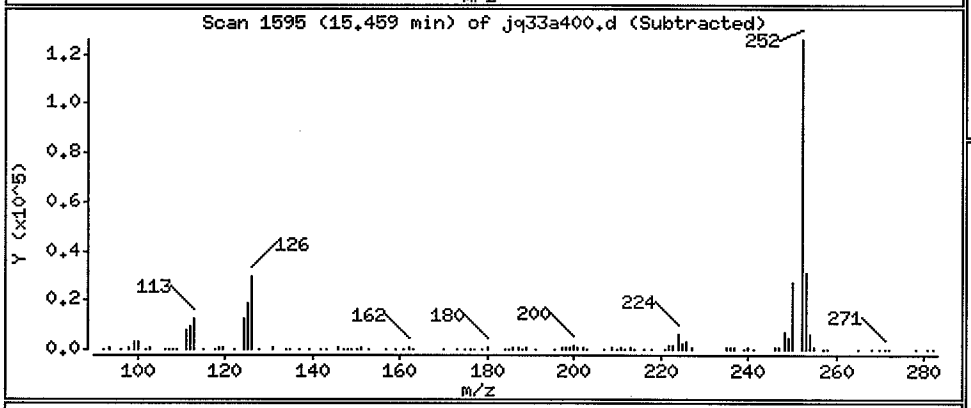
Column diameter: 0.25

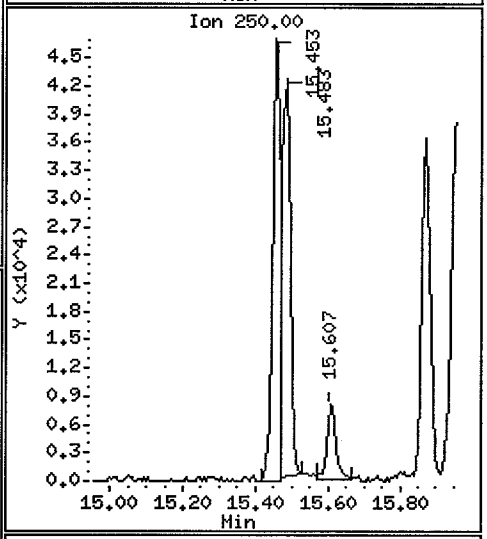
28 Benzo(b)fluoranthene

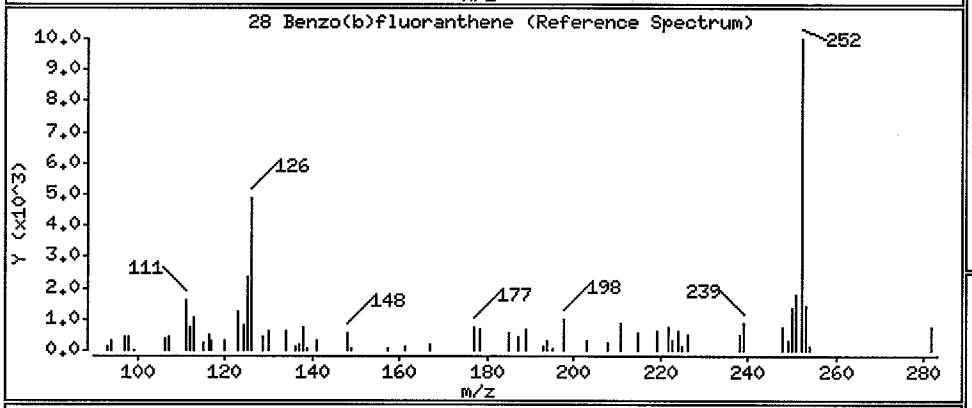
Concentration: 63270 ug/kg

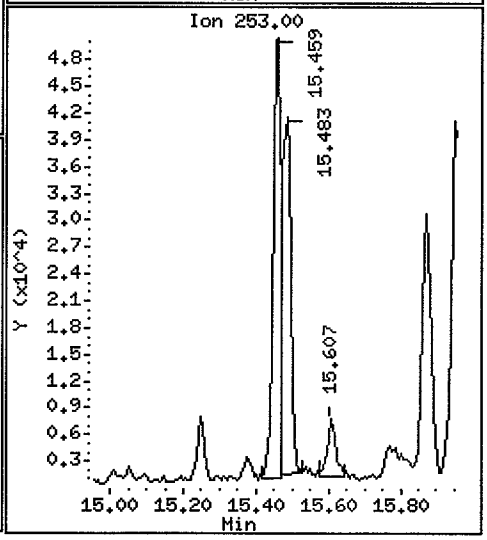


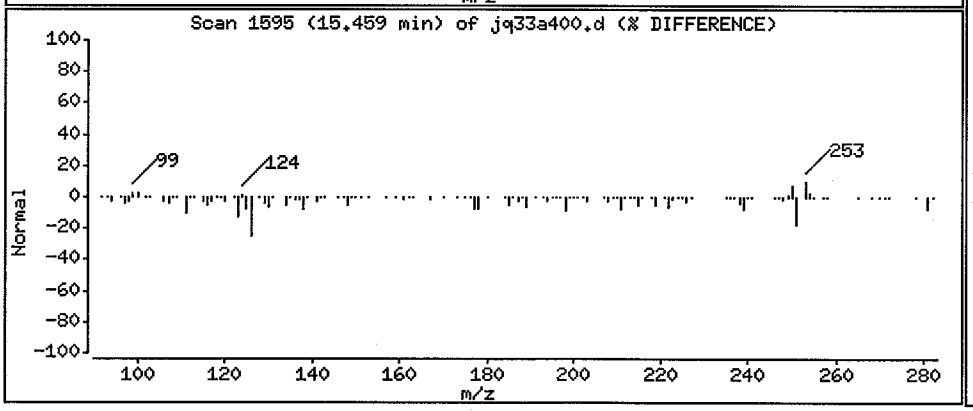












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

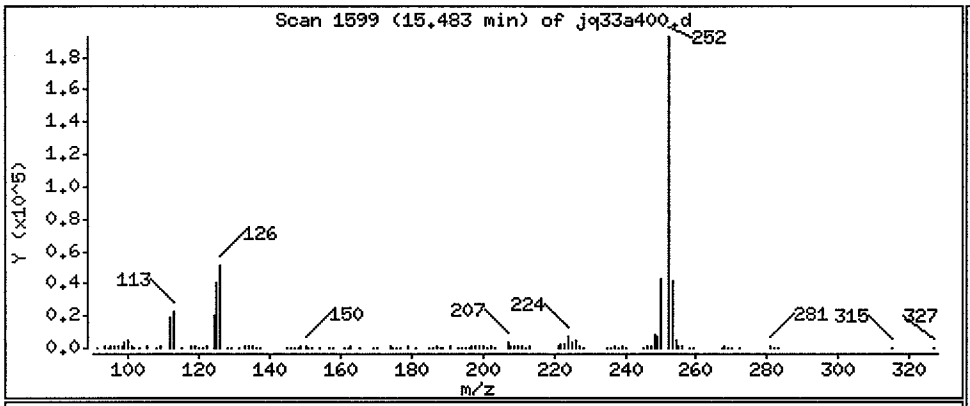
Operator: VTS

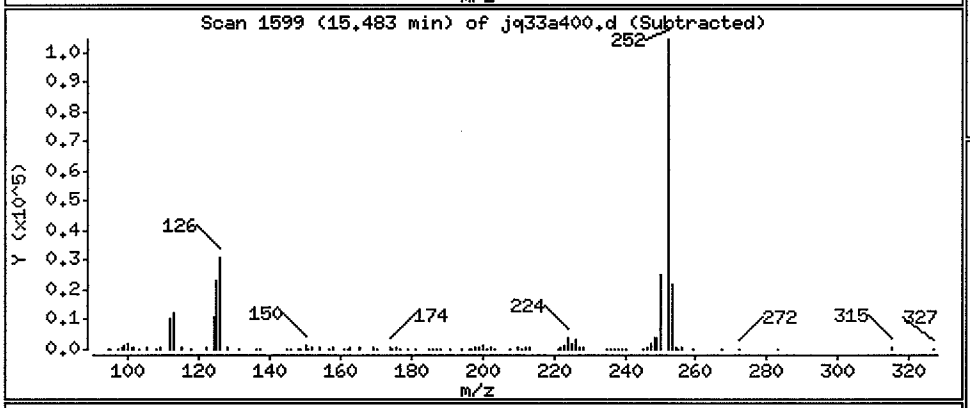
Column phase: ZB-5

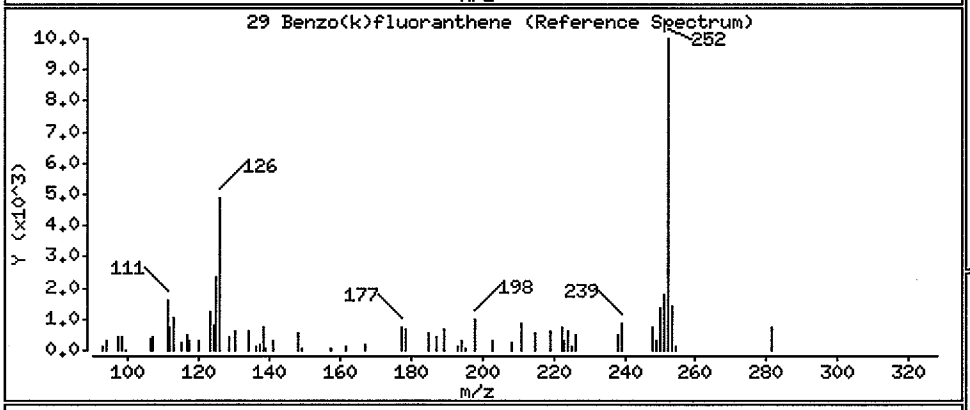
Column diameter: 0.25

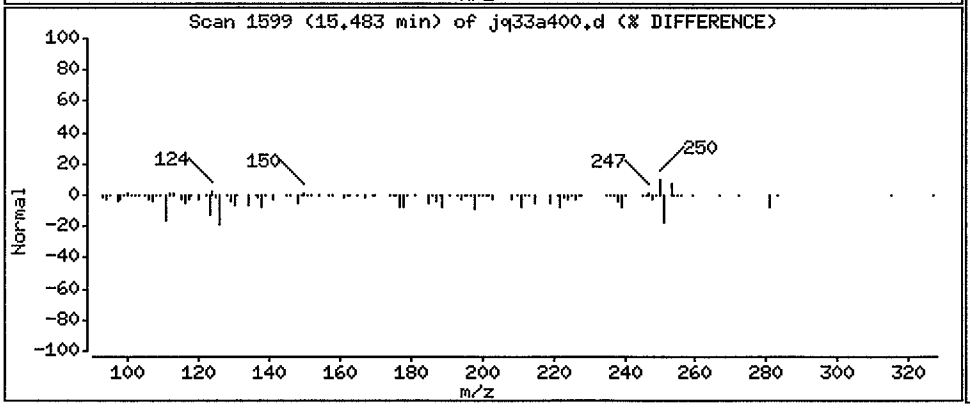
29 Benzo(k)fluoranthene

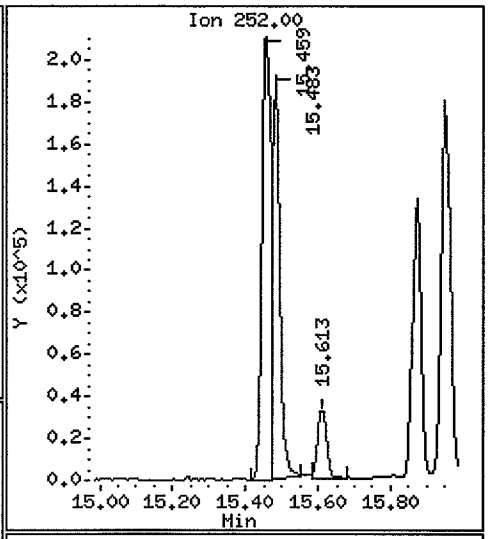
Concentration: 51530 ug/kg

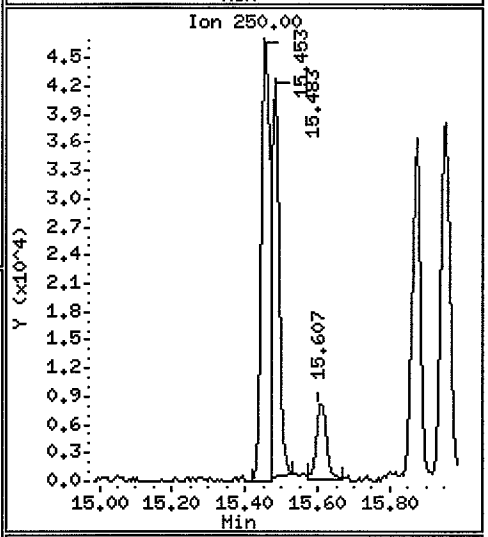


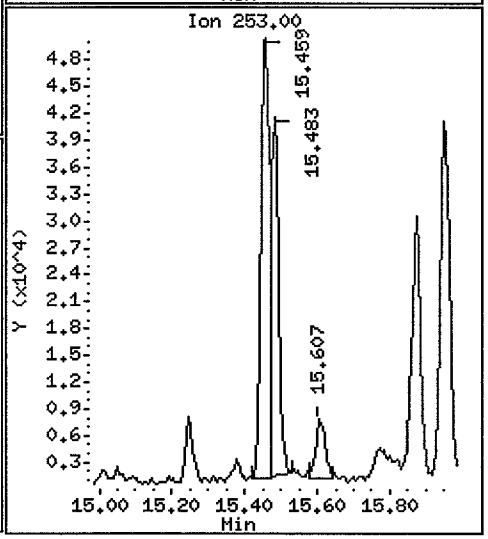












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

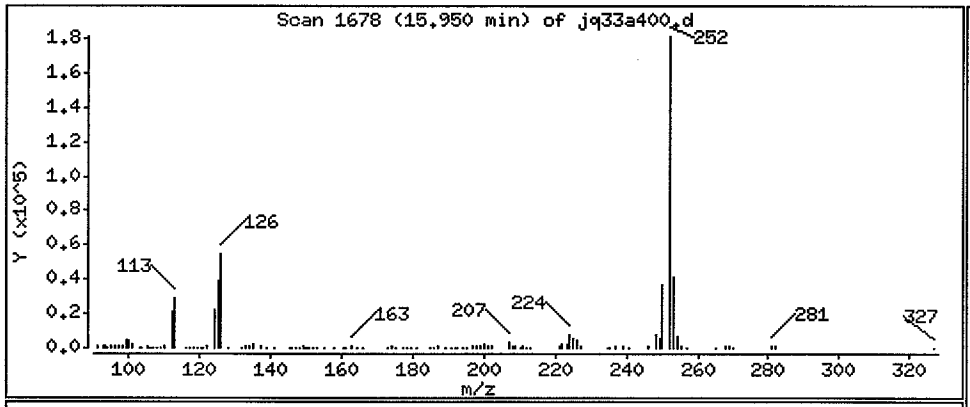
Operator: VTS

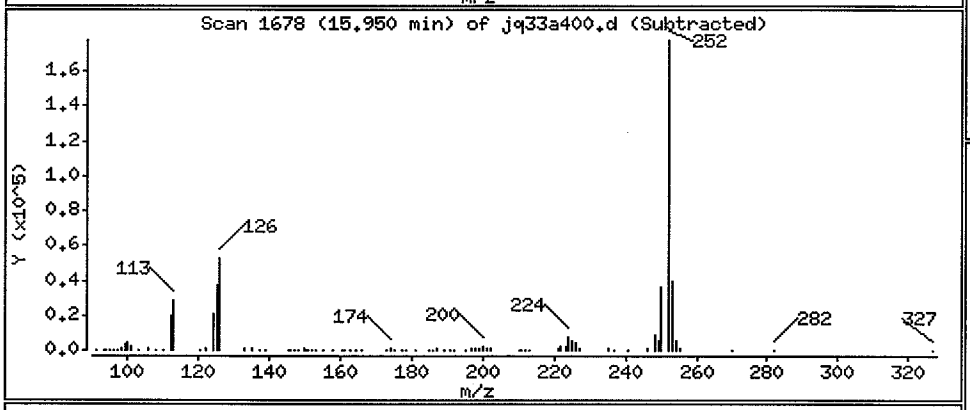
Column phase: ZB-5

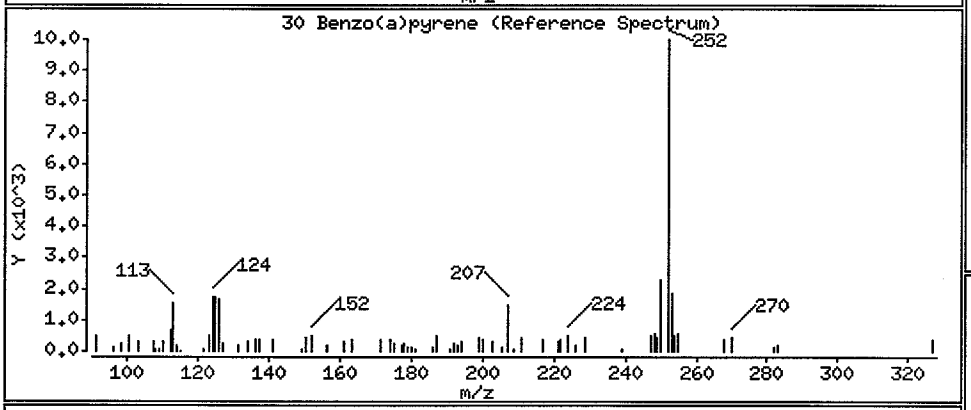
Column diameter: 0.25

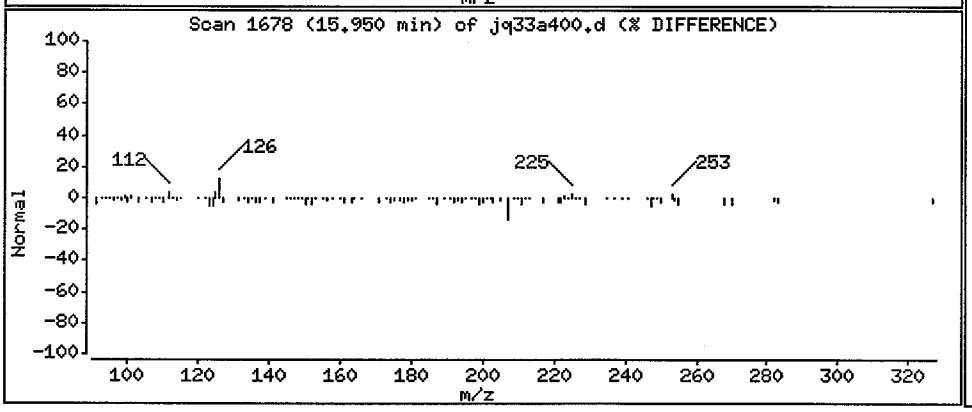
30 Benzo(a)pyrene

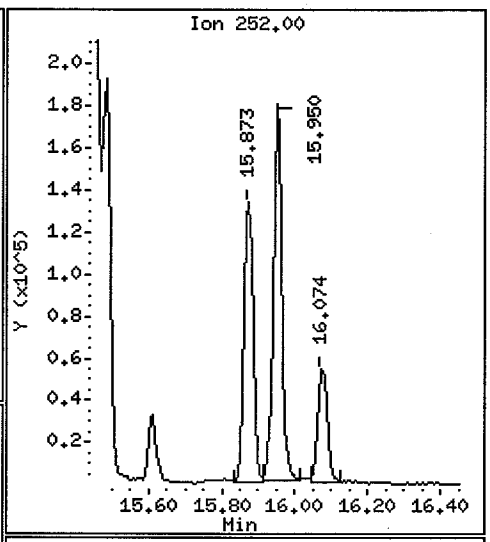
Concentration: 54100 ug/kg

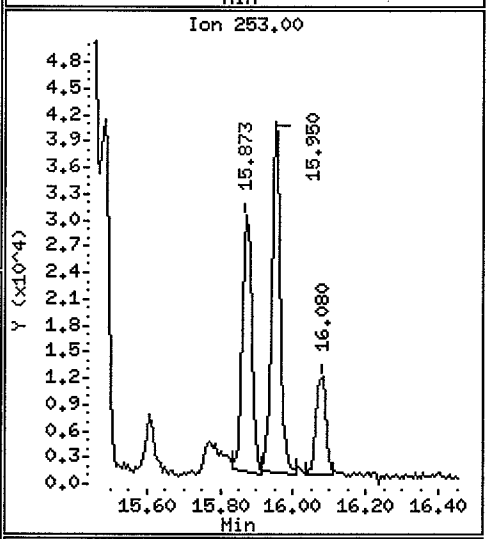


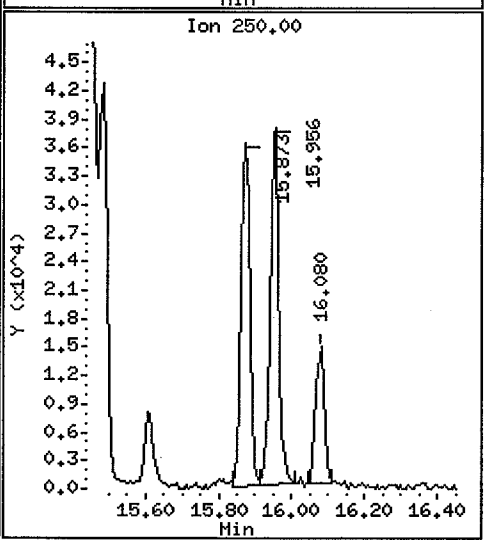












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

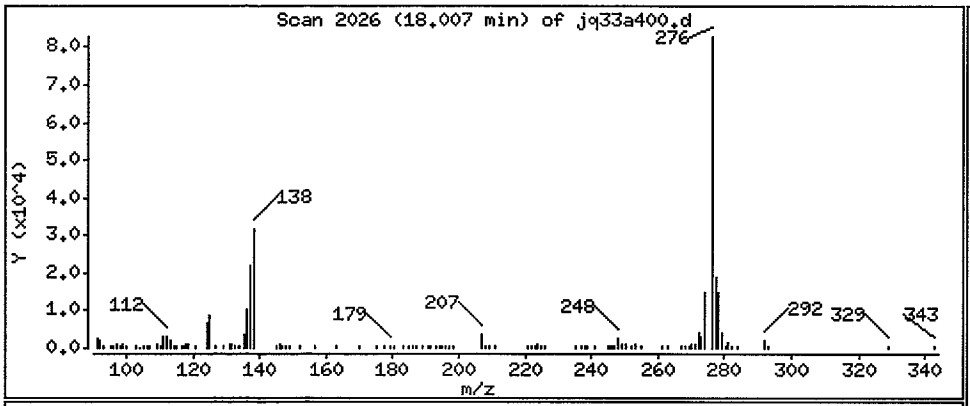
Operator: VTS

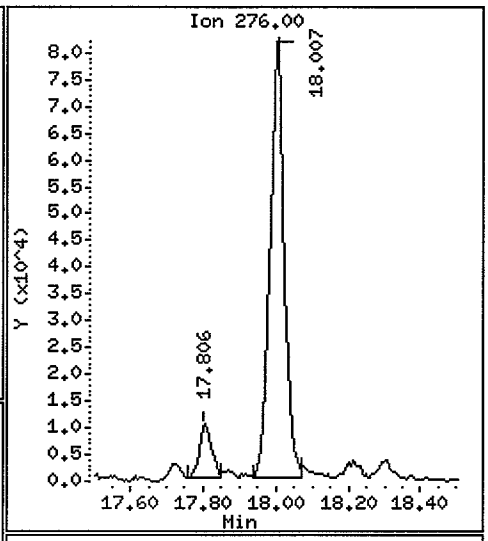
Column phase: ZB-5

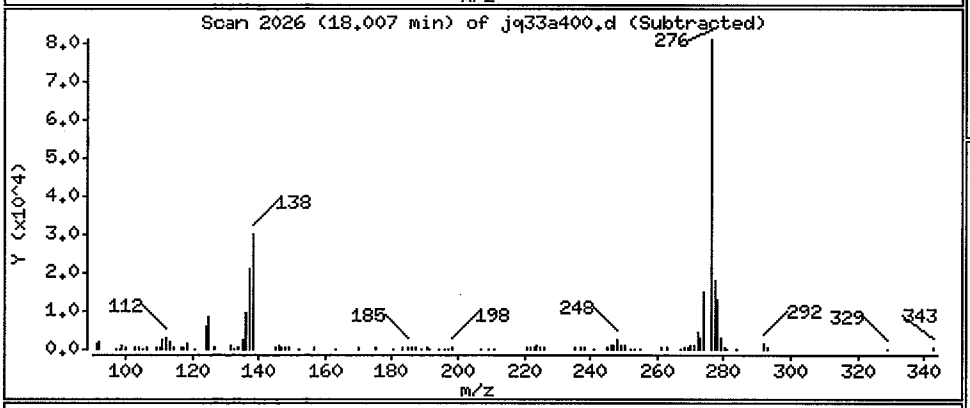
Column diameter: 0.25

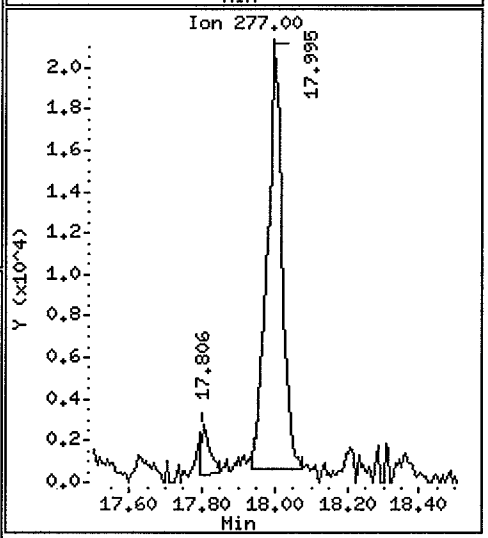
33 Indeno(1,2,3-cd)pyrene

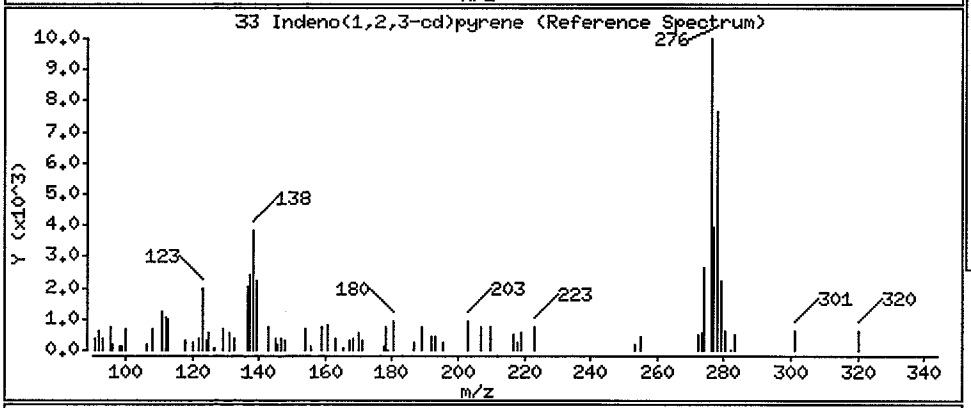
Concentration: 35110 ug/kg

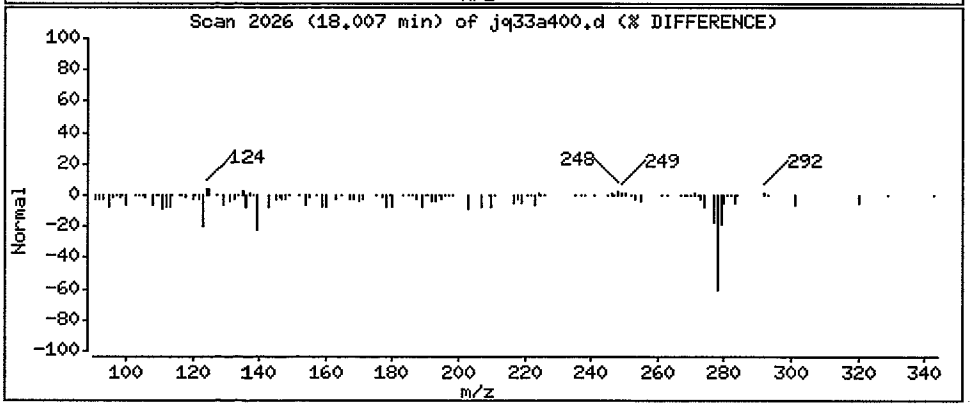












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

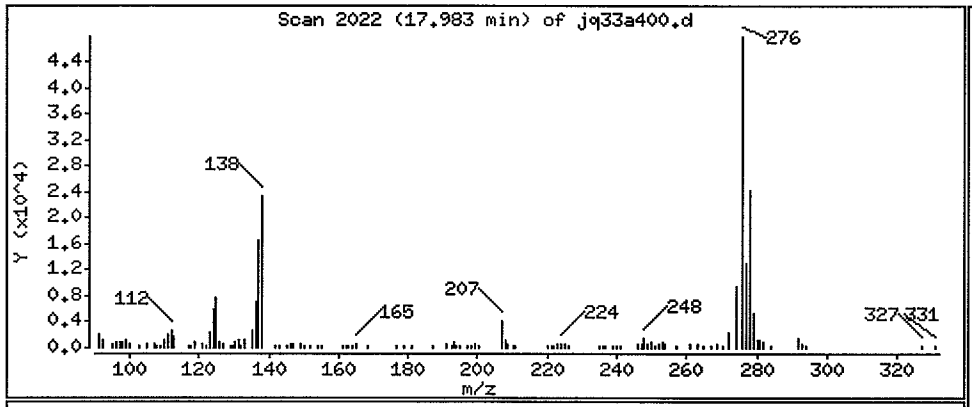
Operator: VTS

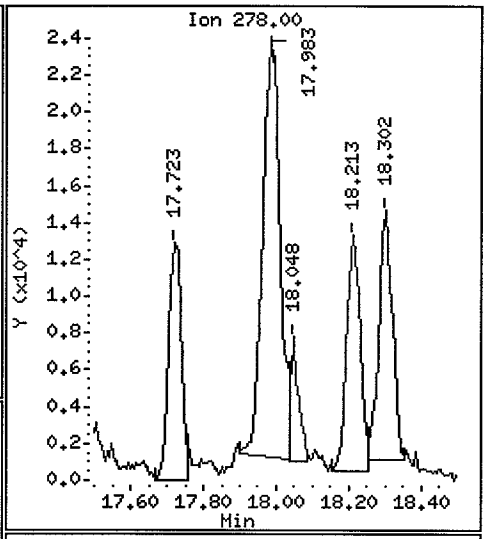
Column phase: ZB-5

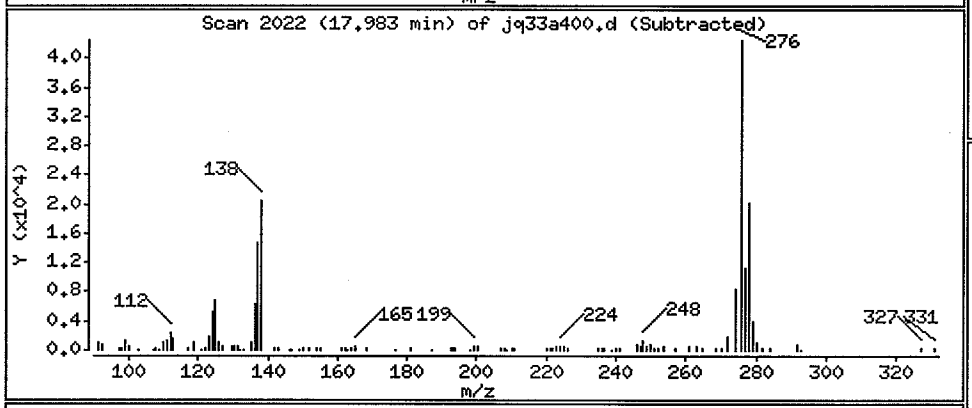
Column diameter: 0.25

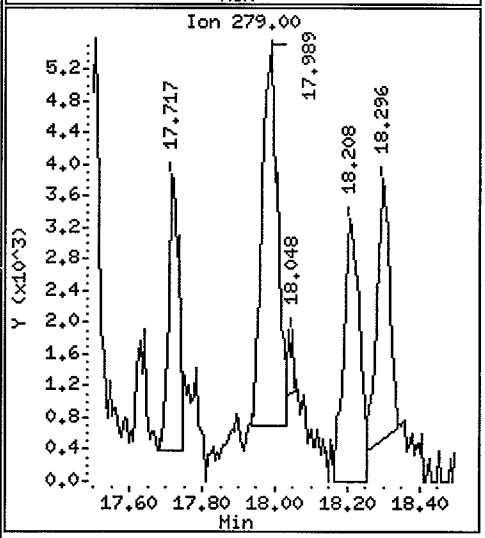
34 Dibenz(a,h)anthracene

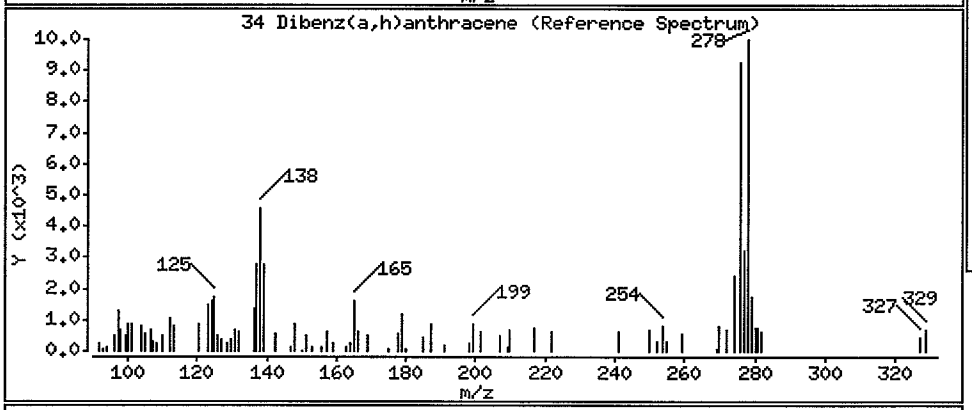
Concentration: 14660 ug/kg

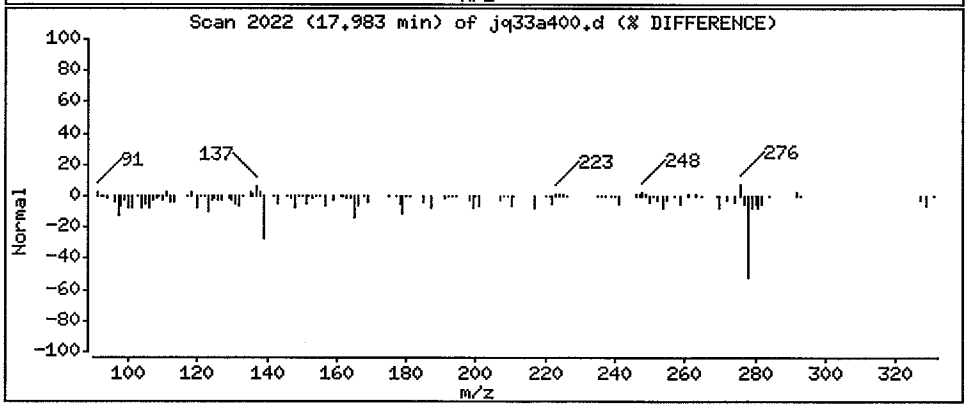












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

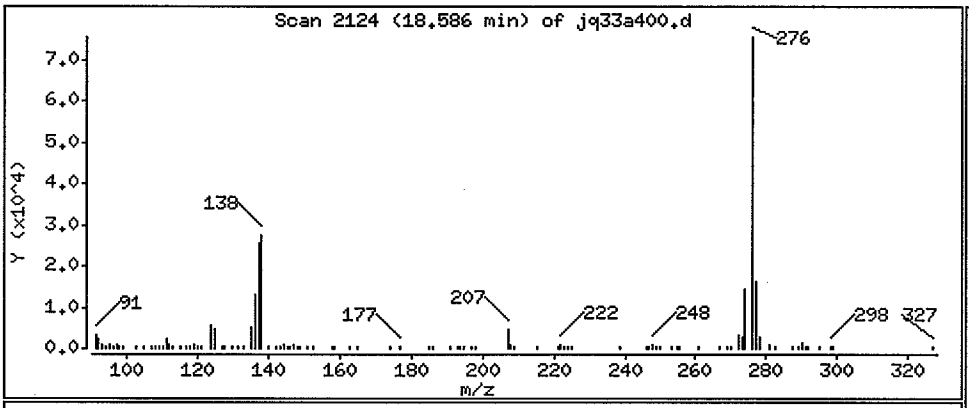
Operator: VTS

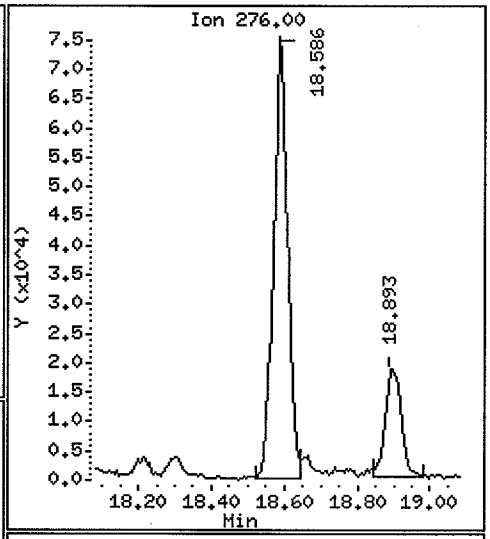
Column phase: ZB-5

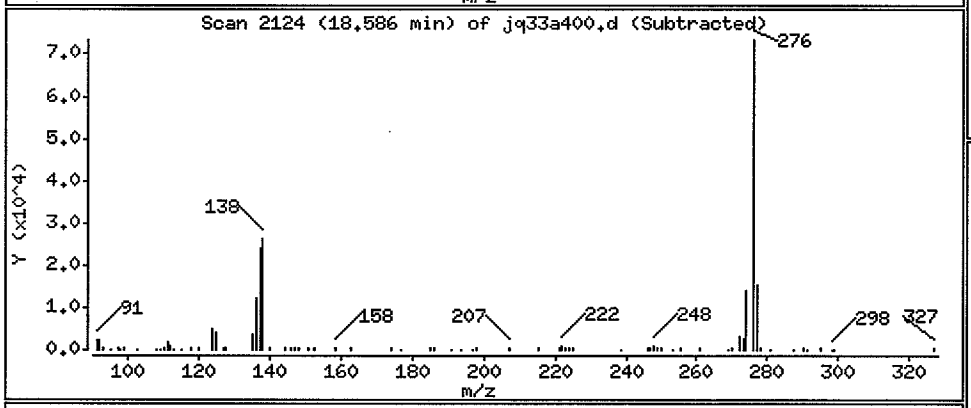
Column diameter: 0.25

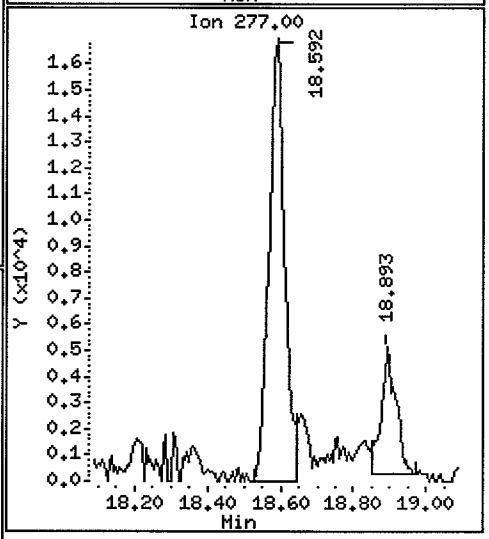
35 Benzo(g,h,i)perylene

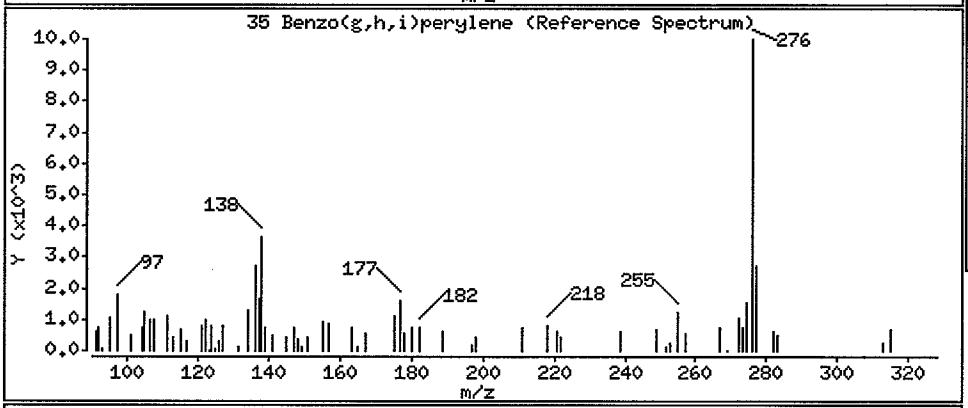
Concentration: 38170 ug/kg

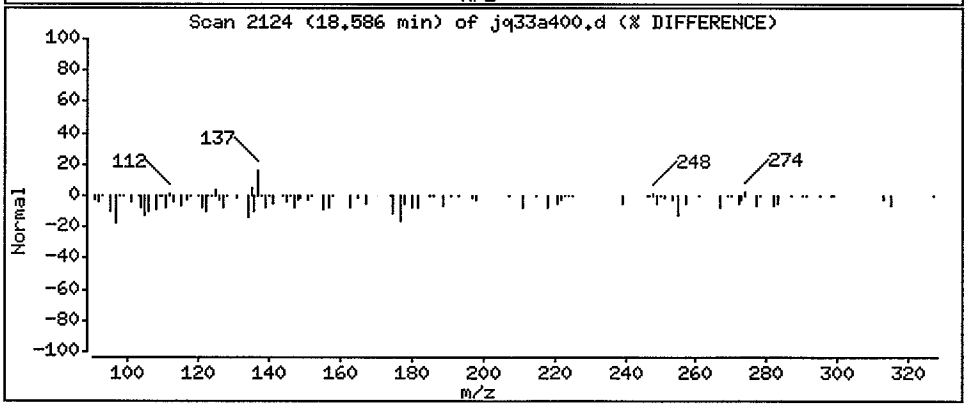












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

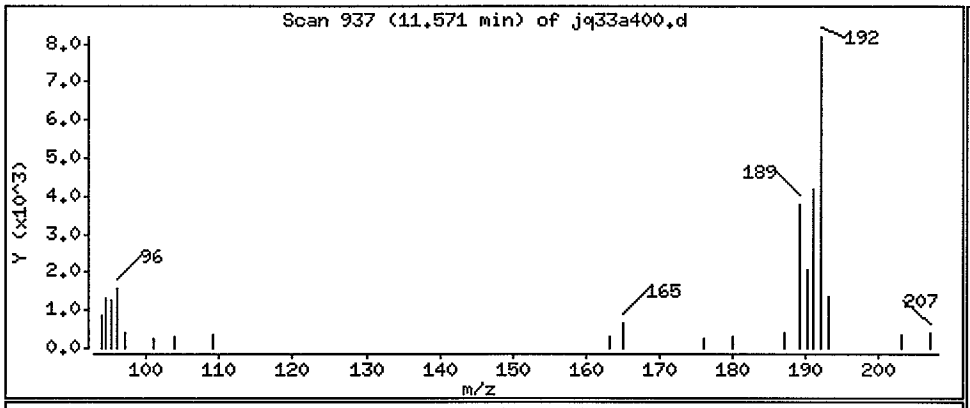
Operator: VTS

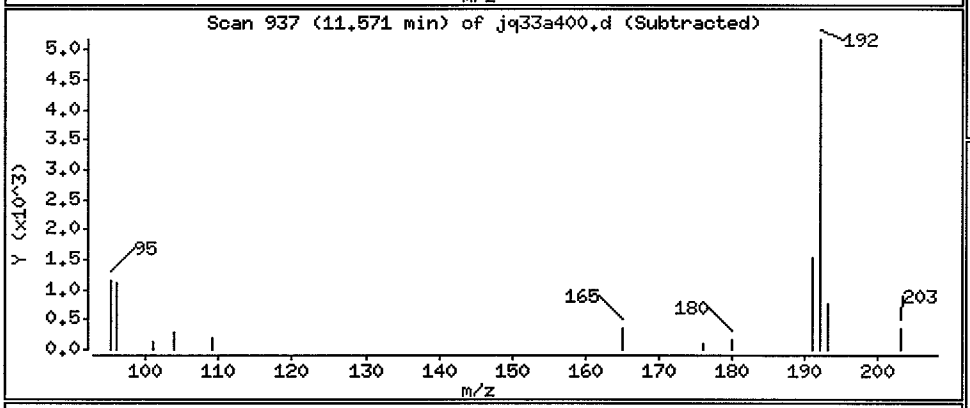
Column phase: ZB-5

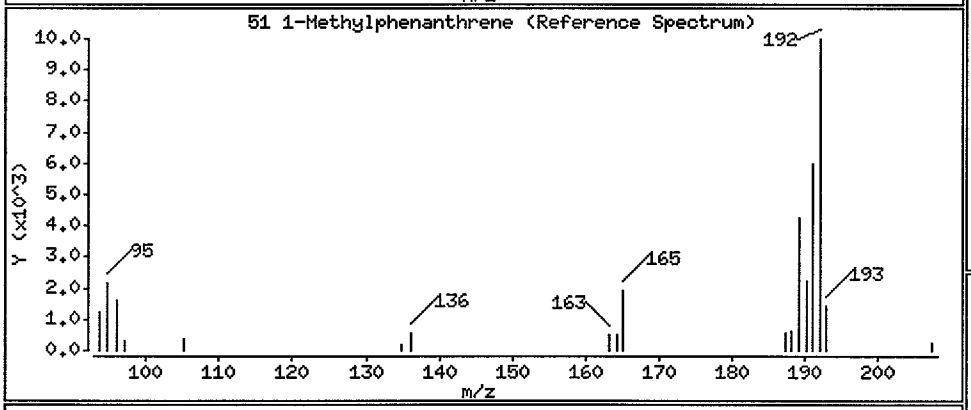
Column diameter: 0.25

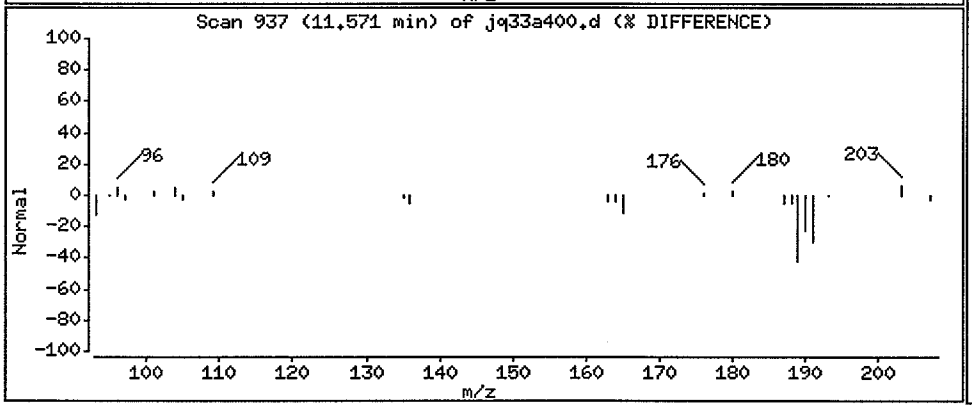
51 1-Methylphenanthrene

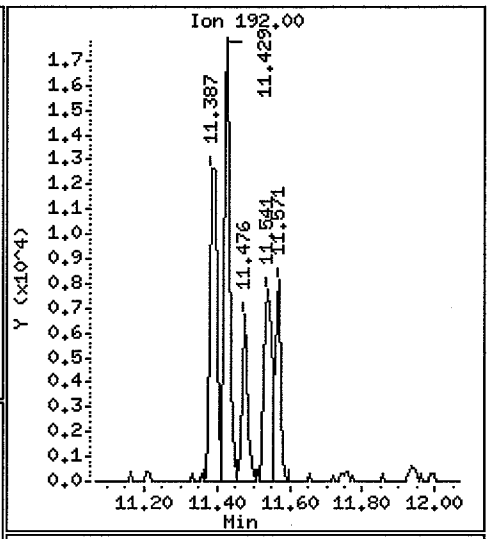
Concentration: 2398 ug/kg

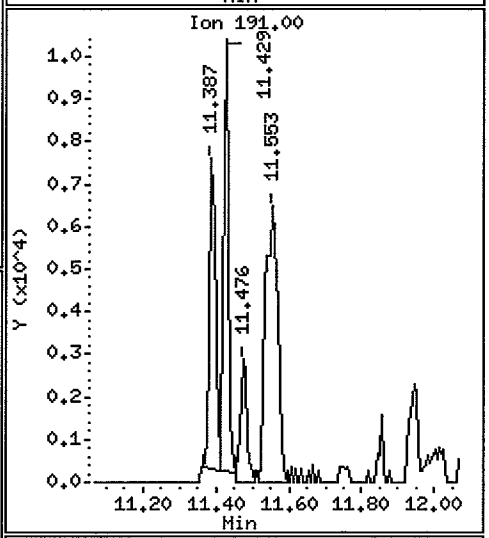


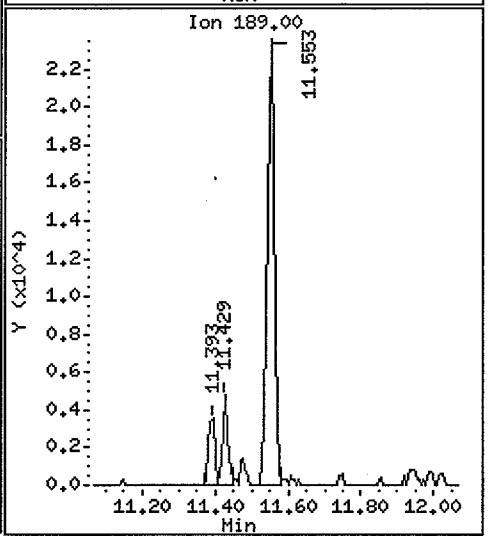












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

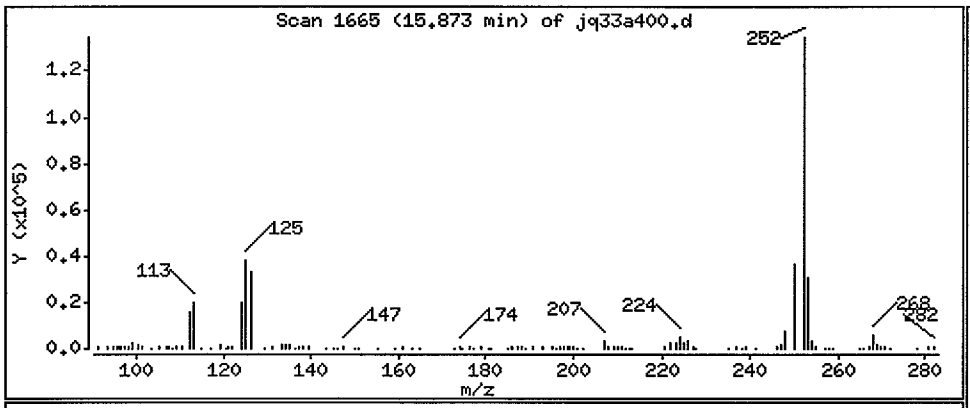
Operator: VTS

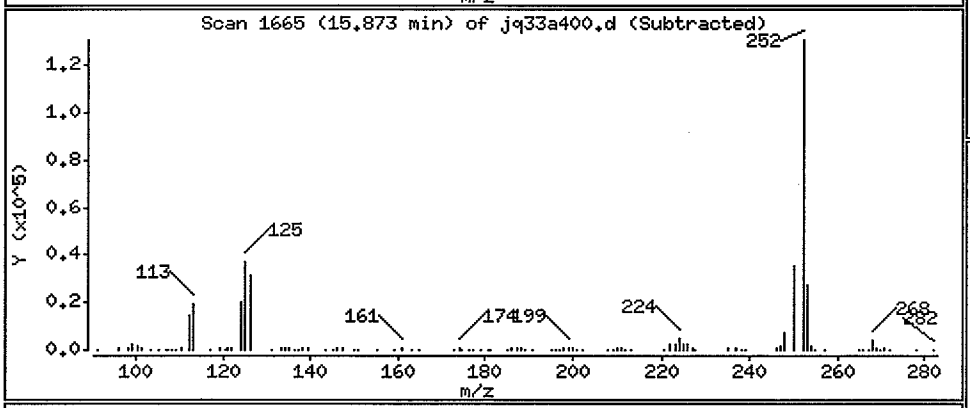
Column phase: ZB-5

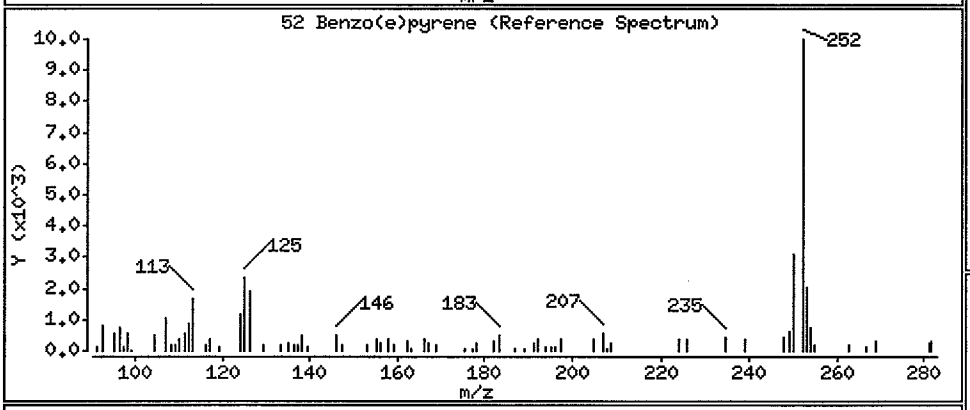
Column diameter: 0.25

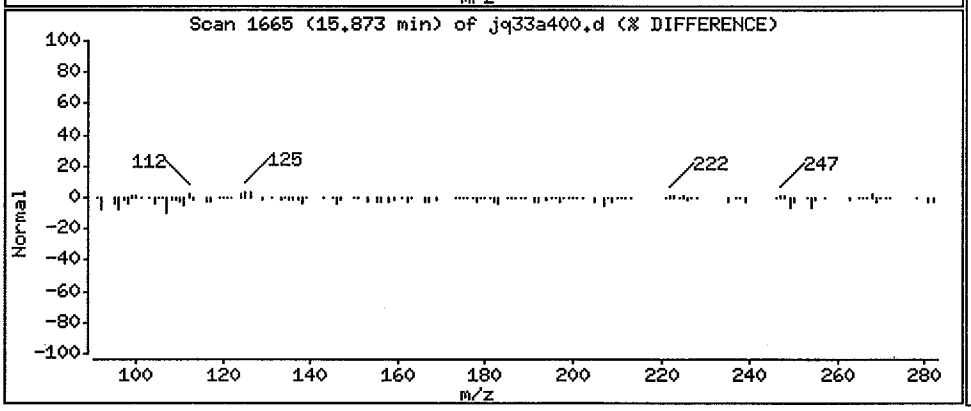
52 Benzo(e)pyrene

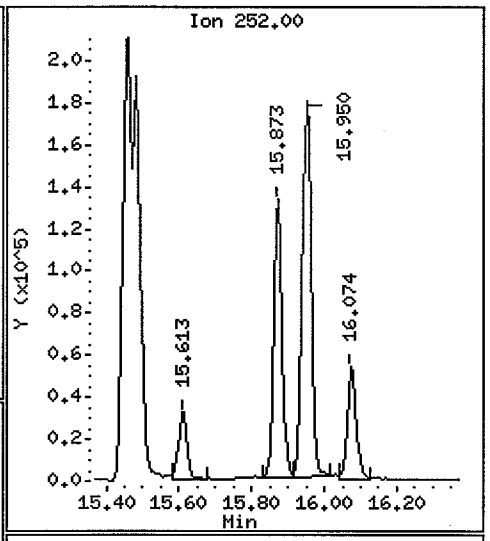
Concentration: 36780 ug/kg

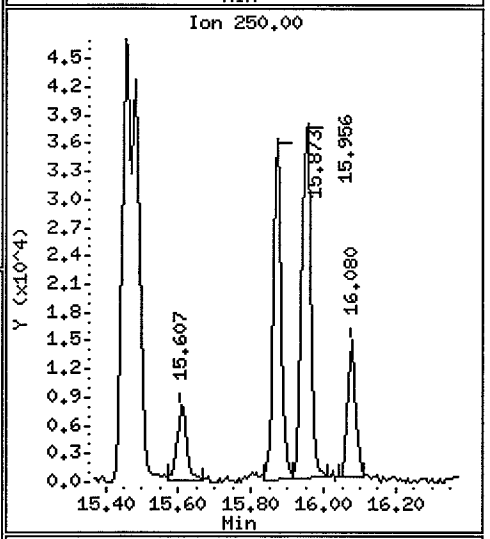


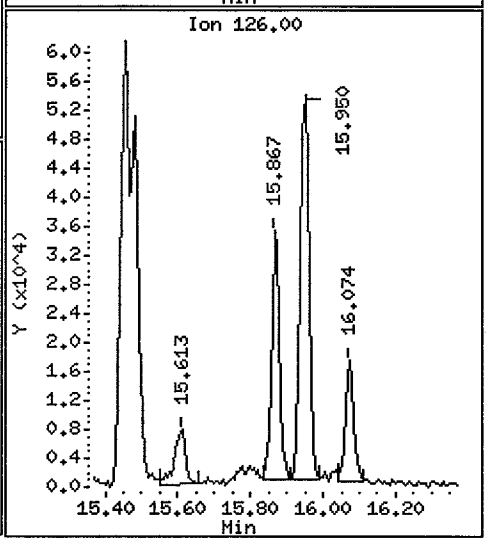












Data File: /chem3/nt1.i/20060807.b/jq33a400.d

Date : 07-AUG-2006 12:05

Client ID: T4-B414-01-A

Instrument: nt1.i

Sample Info: JQ33A,400

Volume Injected (uL): 1.0

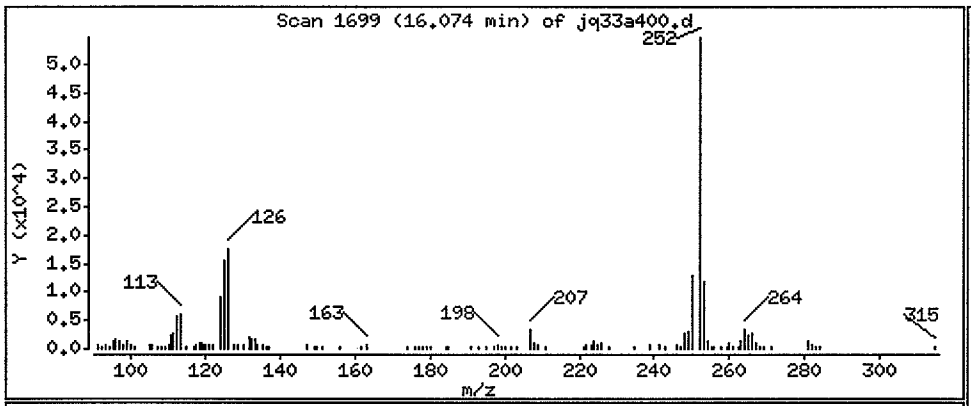
Operator: VTS

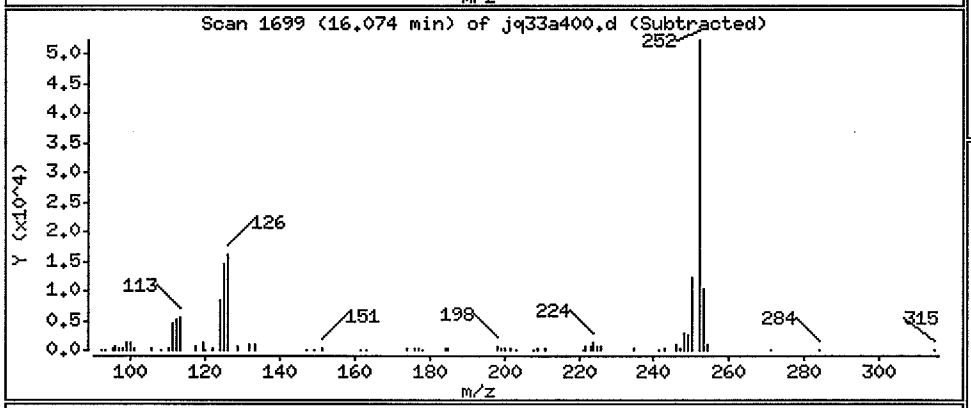
Column phase: ZB-5

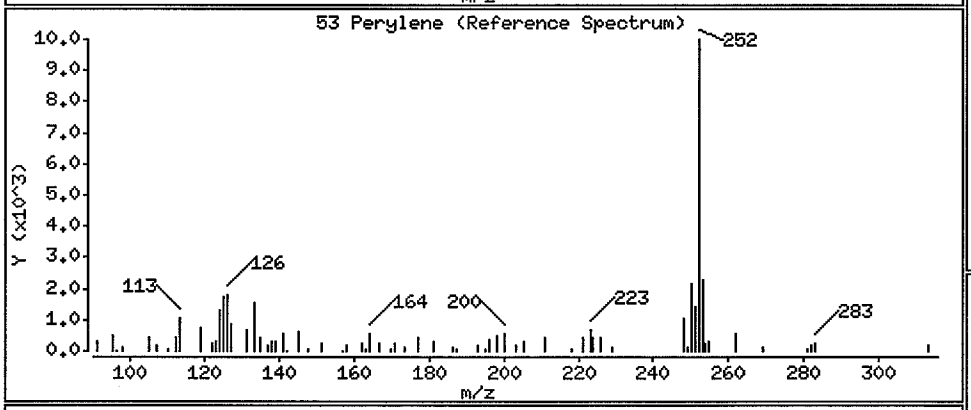
Column diameter: 0.25

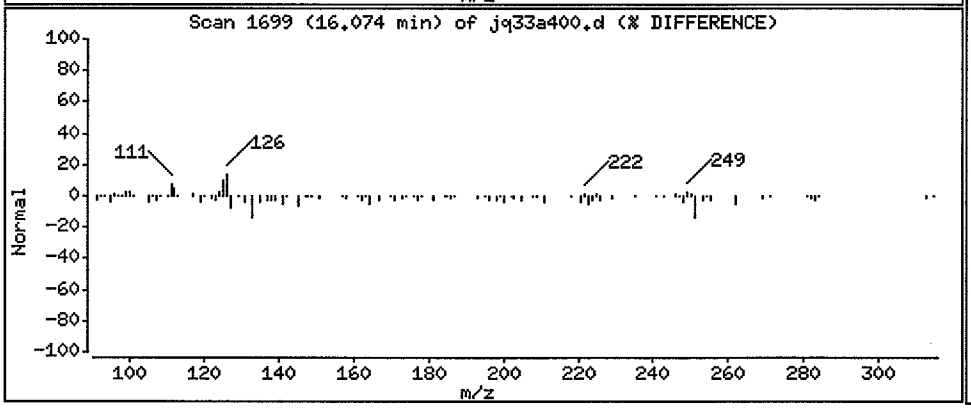
53 Perylene

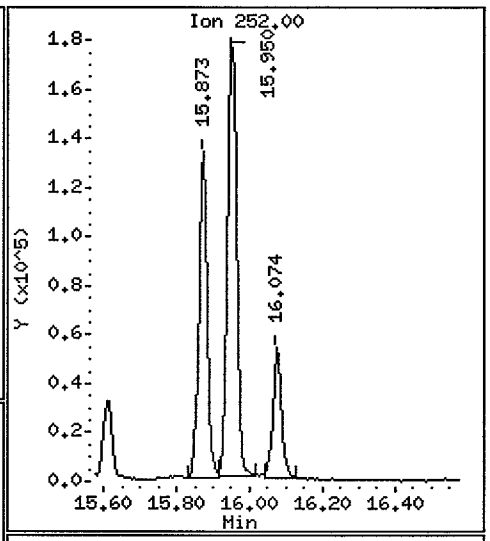
Concentration: 16420 ug/kg

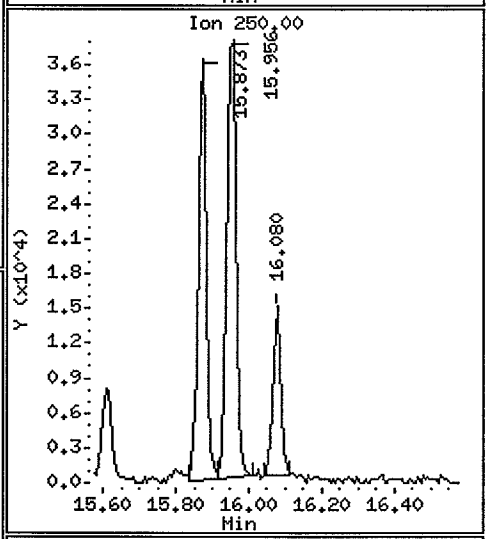


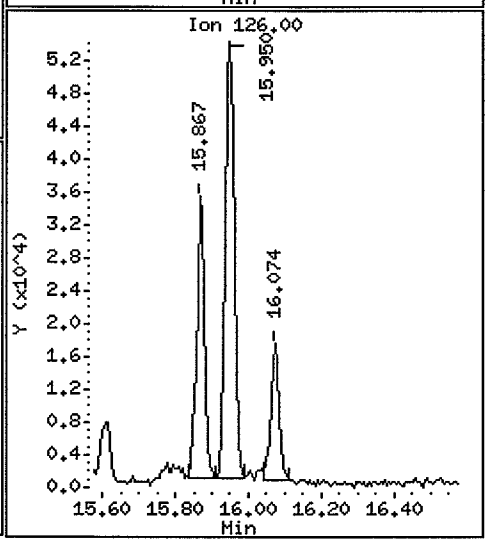












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-01-B
SAMPLE

Lab Sample ID: JQ33B
LIMS ID: 06-12924
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 15:47
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 48.2%
pH: 7.2

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	50	74	
91-57-6	**2-Methylnaphthalene**	50	89	
90-12-0	**1-Methylnaphthalene**	50	50	
208-96-8	Acenaphthylene	50	< 50	U
83-32-9	**Acenaphthene**	50	410	
86-73-7	**Fluorene**	50	260	
85-01-8	**Phenanthrene**	50	2,000	B
120-12-7	**Anthracene**	50	350	
206-44-0	**Fluoranthene**	50	3,900	
129-00-0	**Pyrene**	50	3,000	
56-55-3	**Benzo(a)anthracene**	50	2,100	
218-01-9	**Chrysene**	50	2,800	
205-99-2	**Benzo(b)fluoranthene**	50	3,000	
207-08-9	**Benzo(k)fluoranthene**	50	2,300	
50-32-8	**Benzo(a)pyrene**	50	2,600	
193-39-5	**Indeno(1,2,3-cd)pyrene**	50	1,700	
53-70-3	**Dibenz(a,h)anthracene**	50	540	
191-24-2	**Benzo(g,h,i)perylene**	50	1,900	
198-55-0	**Perylene**	50	890	
92-52-4	**Biphenyl**	50	150	
581-42-0	2,6-Dimethylnaphthalene	50	< 50	U
832-69-9	**1-Methylphenanthrene**	50	110	
192-97-2	**Benzo(e)pyrene**	50	1,800	
2245-38-7	**2,3,5-Trimethylnaphthalene**	50	50	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	58.7%
d14-Dibenzo(a,h)anthracen	61.0%

YZ 8/7/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33b10.d
Lab Smp Id: JQ33B Client Smp ID: T4-B414-01-B
Inj Date : 04-AUG-2006 15:47
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33B,10
Misc Info : 06-12924
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 14
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	19.50000	Weight of sample extracted (g)
M	48.20000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)		FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.885	6.883	(1.000)	253684	2.00000		
	2 Naphthalene	128	6.909	6.907	(1.003)	19237	0.15203		75.25
$	3 2-Methylnaphthalene-d10	152	7.642	7.640	(1.110)	11466	0.17548		86.86
	4 2-Methylnaphthalene	142	7.683	7.681	(1.116)	13135	0.17528		86.77
	5 1-Methylnaphthalene	142	7.813	7.811	(1.135)	7537	0.09589	J	47.46
	7 Acenaphthylene	152	Compound Not Detected.						
*	8 Acenaphthene-d10	164	8.948	8.946	(1.000)	137858	2.00000		
	9 Acenaphthene	153	8.989	8.987	(1.005)	56015	0.82752		409.6
	10 Dibenzofuran	168	9.179	9.170	(1.026)	22046	0.22111		109.4
	11 Fluorene	166	9.598	9.596	(1.073)	40685	0.52416		259.5
*	15 Phenanthrene-d10	188	10.762	10.760	(1.000)	229584	2.00000		
	16 Phenanthrene	178	10.792	10.790	(1.003)	473702	4.01981	B	1990
	17 Anthracene	178	10.845	10.843	(1.008)	83076	0.70545		349.2
	19 Fluoranthene	202	12.287	12.279	(1.142)	949460	7.89928		3910

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	20 Pyrene	202	12.571	12.569	(0.893)	816122	6.15133	3045
	22 Benzo(a)anthracene	228	14.054	14.052	(0.998)	530959	4.26743	2112
*	23 Chrysene-d12	240	14.078	14.070	(1.000)	206616	2.00000	
	24 Chrysene	228	14.108	14.105	(1.002)	658137	5.73487	2839
	28 Benzo(b)fluoranthene	252	15.449	15.447	(0.964)	755636	6.15436	3046
	29 Benzo(k)fluoranthene	252	15.479	15.476	(0.966)	618318	4.72374	2338
	30 Benzo(a)pyrene	252	15.946	15.938	(0.995)	637901	5.33193	2639
*	31 Perylene-d12	264	16.028	16.026	(1.000)	217551	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.996	17.988	(1.123)	463743	3.37063	1668
$	32 Dibenz(a,h)anthrancene-d14	292	17.914	17.906	(1.118)	15245	0.18311	90.64
	34 Dibenz(a,h)anthracene	278	17.979	17.976	(1.122)	123492	1.09872	543.9(M)
	35 Benzo(g,h,i)perylene	276	18.582	18.562	(1.159)	438057	3.83027	1896
	48 Biphenyl	154	8.215	8.219	(0.918)	26689	0.31334	155.1
	49 2,6-Dimethylnaphthalene	156	8.416	8.408	(0.941)	6152	0.09170 J	45.39
	50 2,3,5-Trimethylnaphthalene	170	9.433	9.430	(1.054)	5374	0.09780 J	48.41
	51 1-Methylphenanthrene	192	11.560	11.564	(0.821)	18196	0.21515	106.5
	52 Benzo(e)pyrene	252	15.869	15.861	(0.990)	470424	3.55226	1758
	53 Perylene	252	16.070	16.068	(1.003)	223964	1.80120	891.6

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33b10.d
Lab Smp Id: JQ33B
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12924

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: T4-B414-01-B
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	253684	13.85
8 Acenaphthene-d10	123591	61796	247182	137858	11.54
15 Phenanthrene-d10	200797	100398	401594	229584	14.34
23 Chrysene-d12	171210	85605	342420	206616	20.68
31 Perylene-d12	183426	91713	366852	217551	18.60

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.89	0.01
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	0.01
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	0.01
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.01
31 Perylene-d12	16.03	15.53	16.53	16.03	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

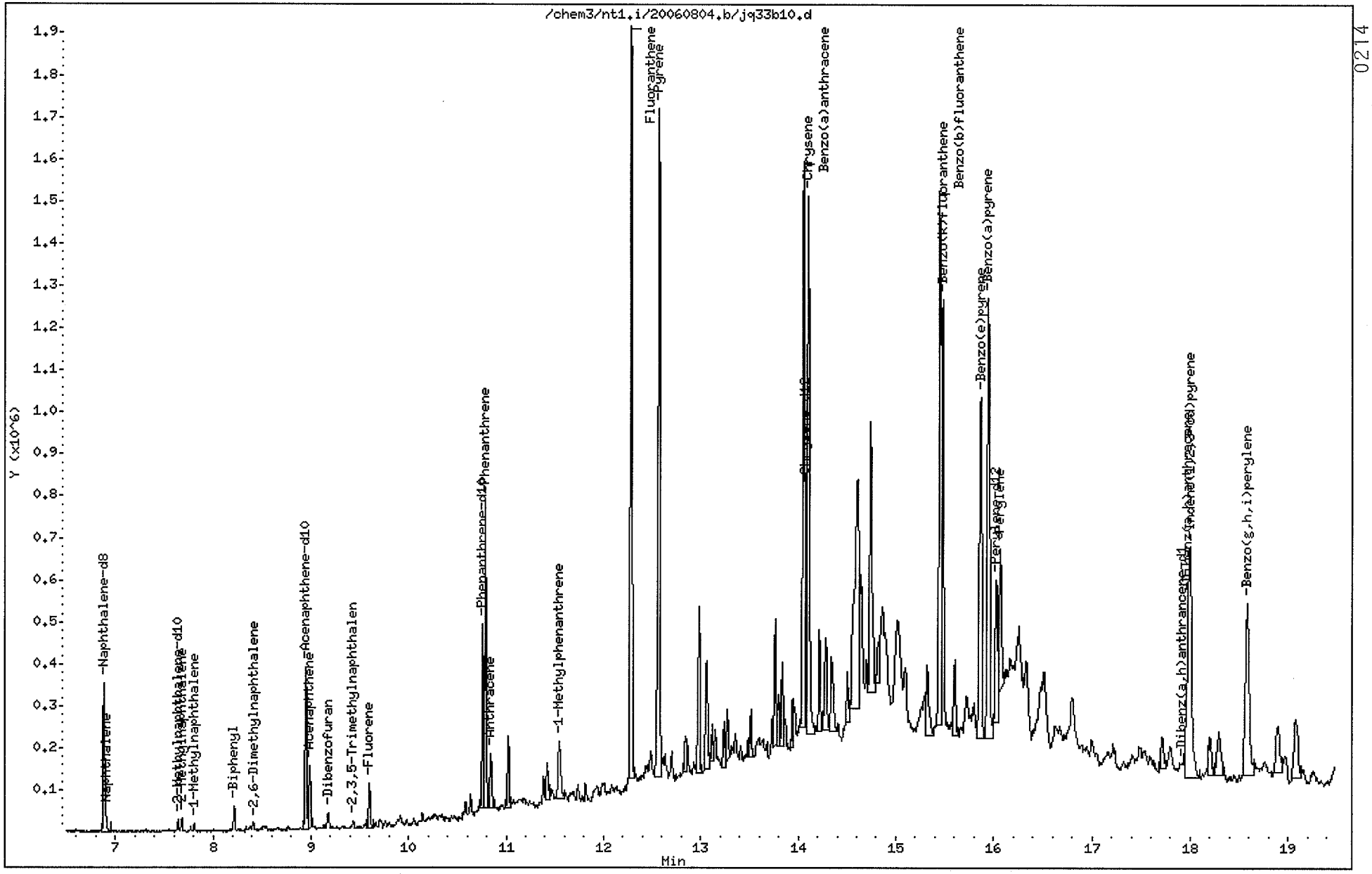
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33B
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12924

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-01-B
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	148.5	86.86	58.49	32-97
$ 32 Dibenz(a,h)anthran	148.5	90.64	61.04	21-105

Data File: /chem3/nt1.i/20060804.b/jq33b10.d
Date : 04-AUG-2006 15:47
Client ID: T4-B414-01-B
Sample Info: JQ33B,10
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

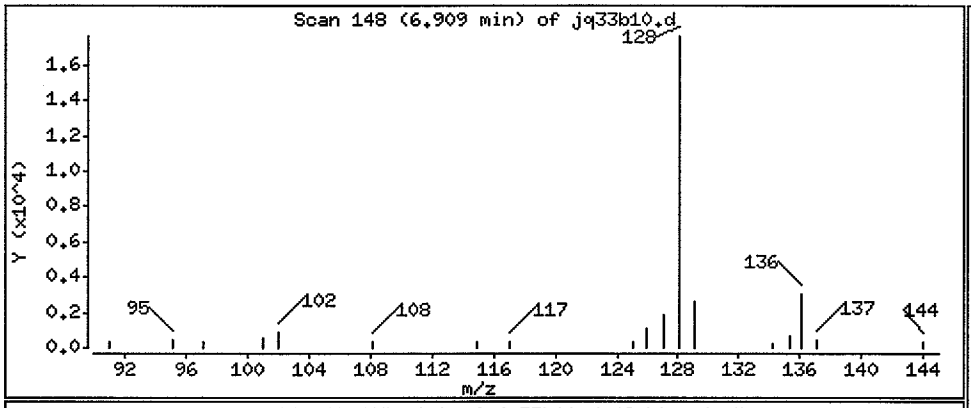
Operator: VTS

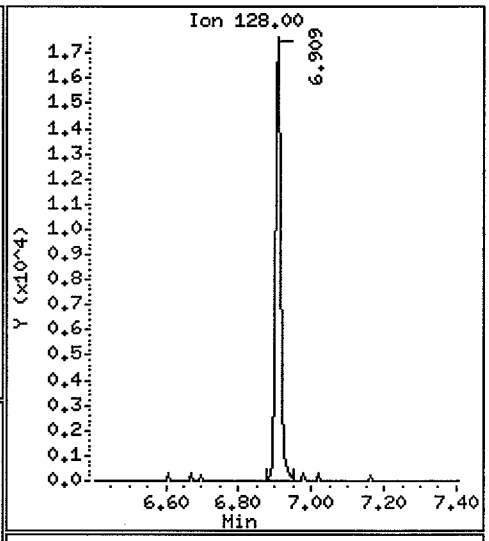
Column phase: ZB-5

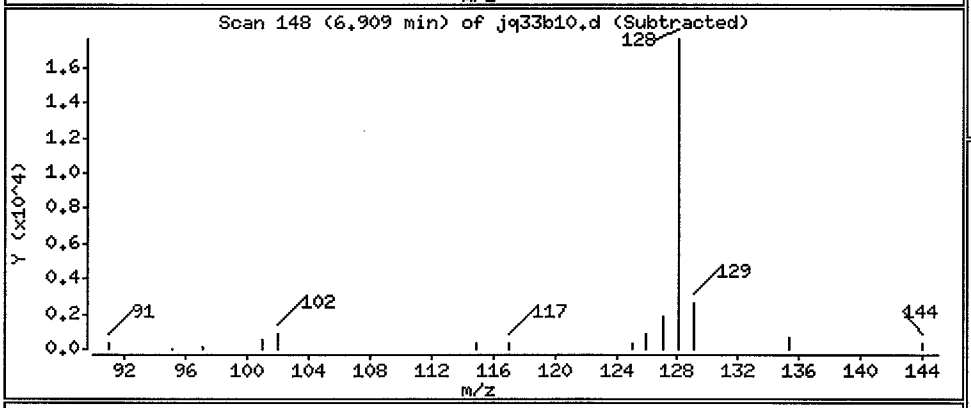
Column diameter: 0.25

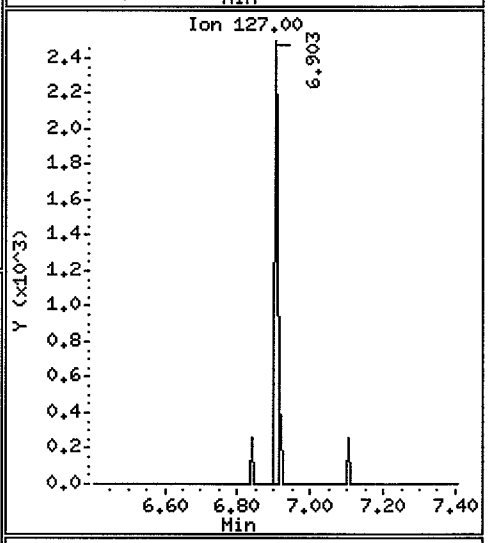
2 Naphthalene

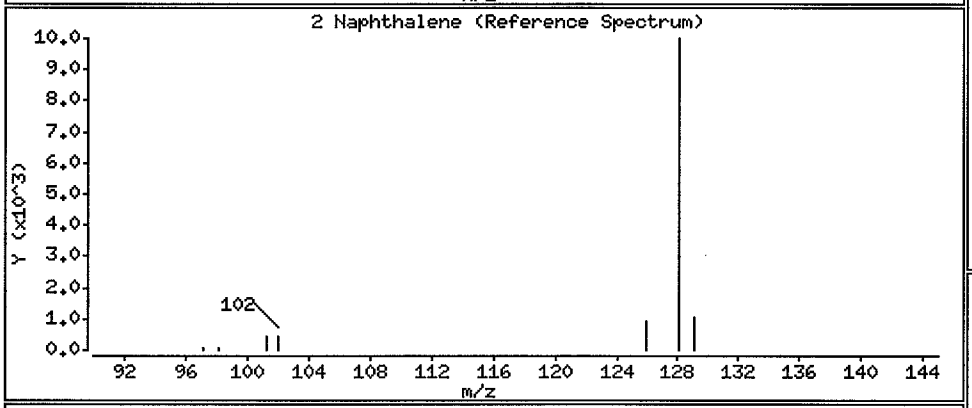
Concentration: 75.25 ug/kg

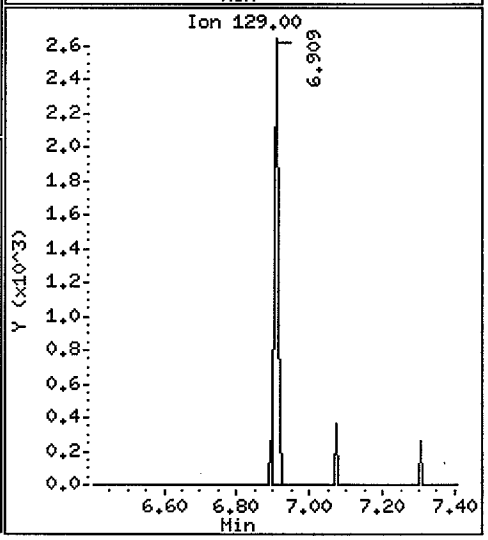


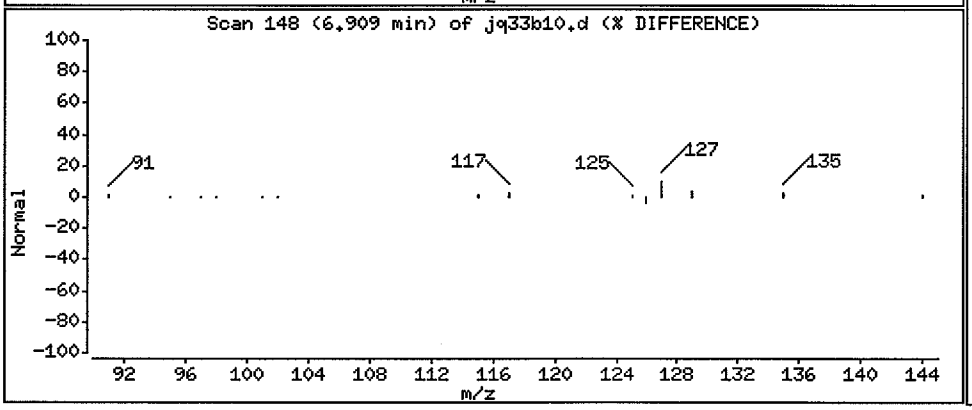












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

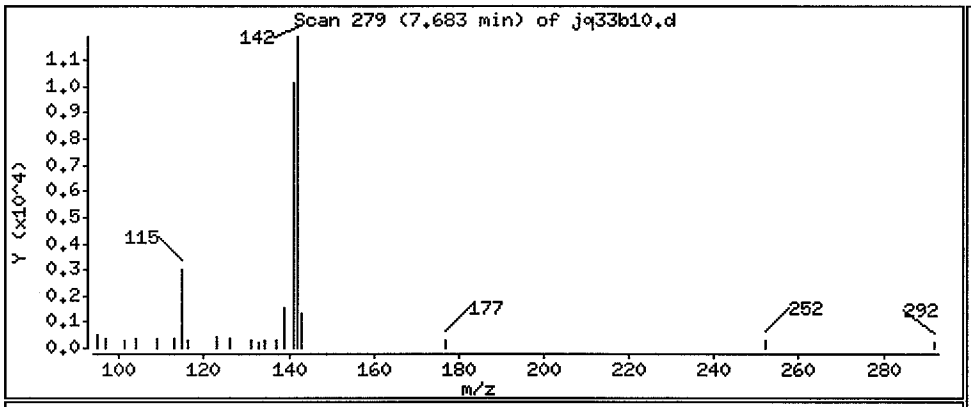
Operator: VTS

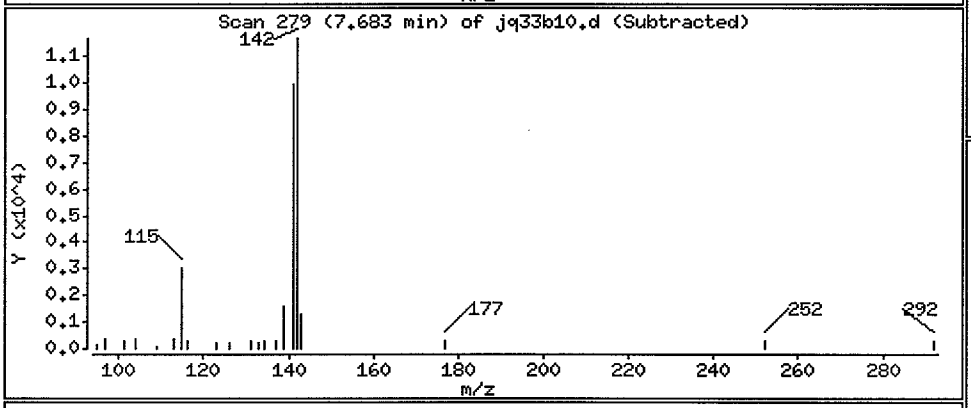
Column phase: ZB-5

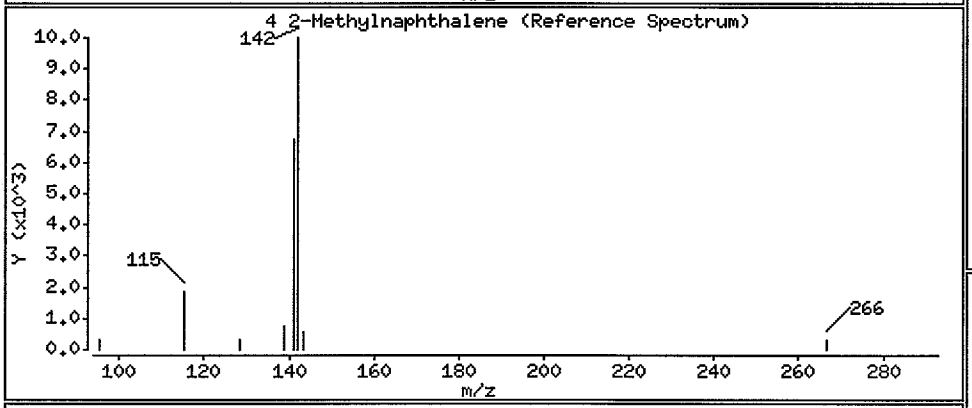
Column diameter: 0.25

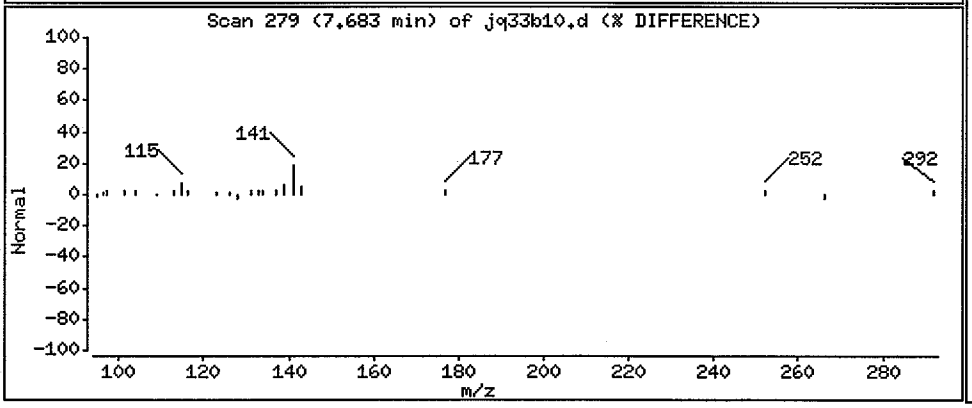
4 2-Methylnaphthalene

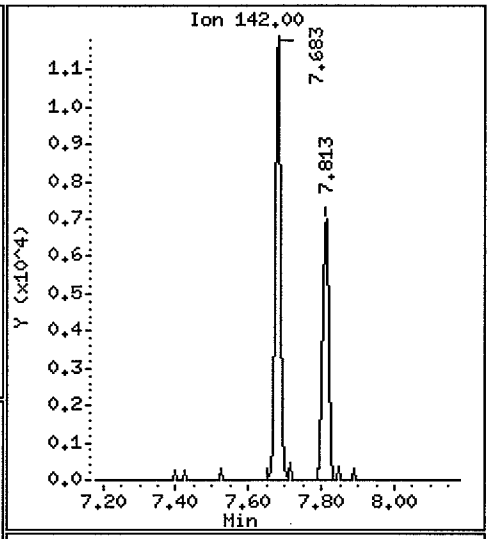
Concentration: 86.77 ug/kg

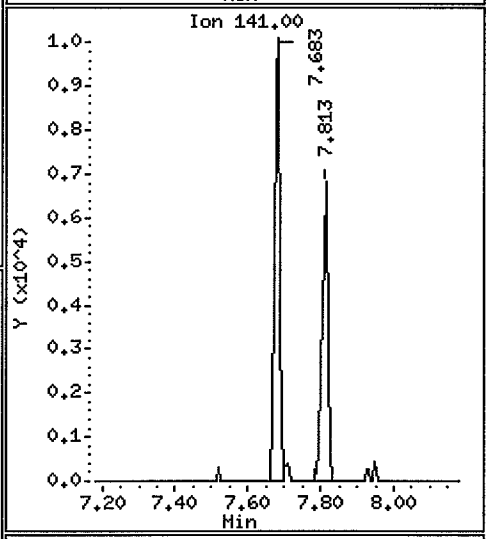


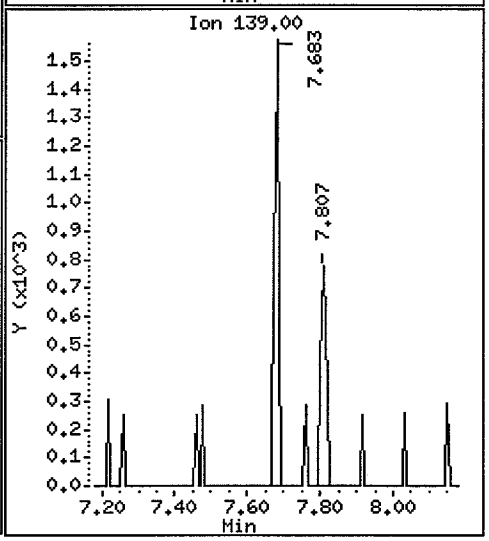












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

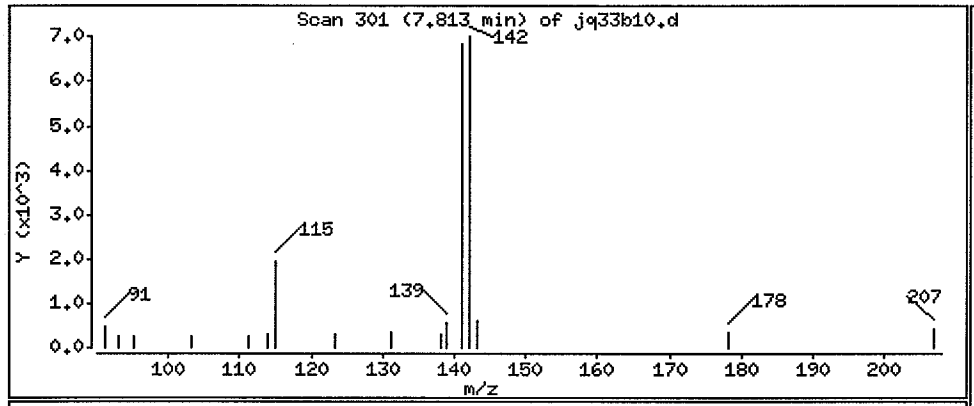
Operator: VTS

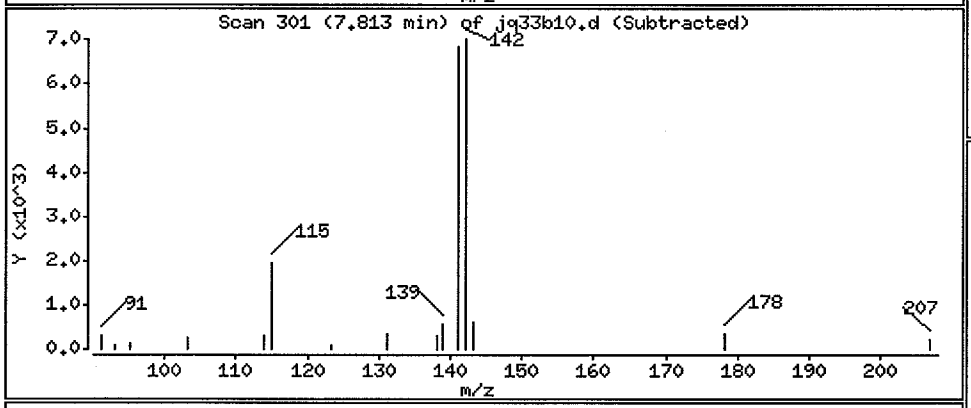
Column phase: ZB-5

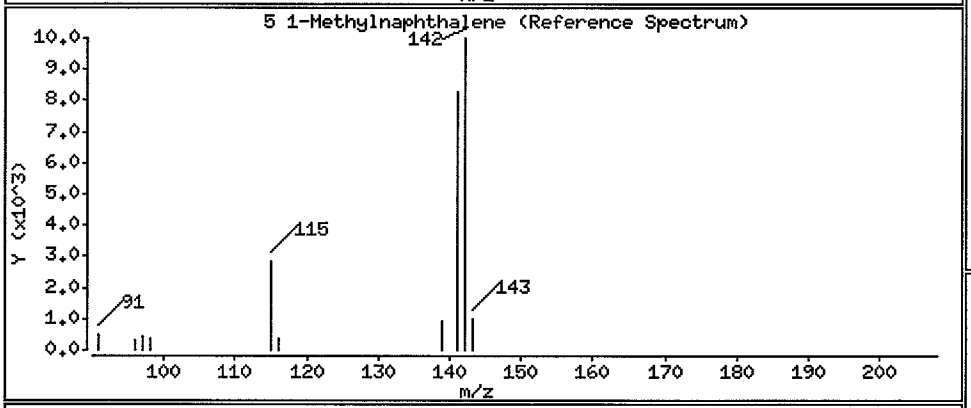
Column diameter: 0.25

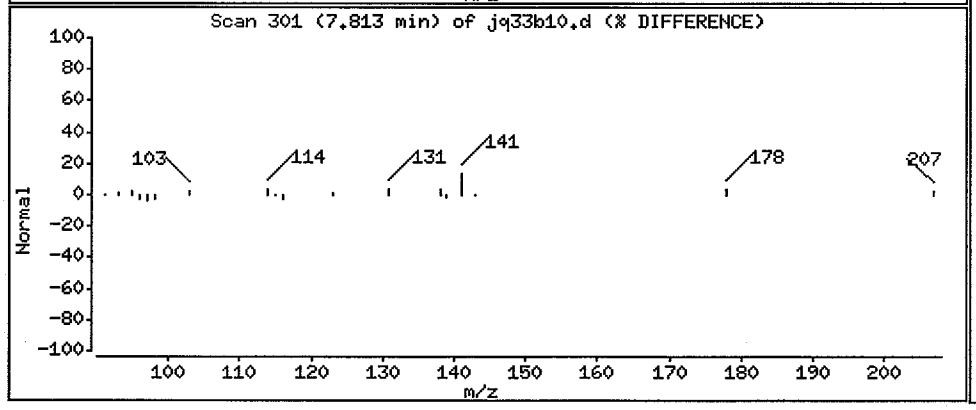
5 1-Methylnaphthalene

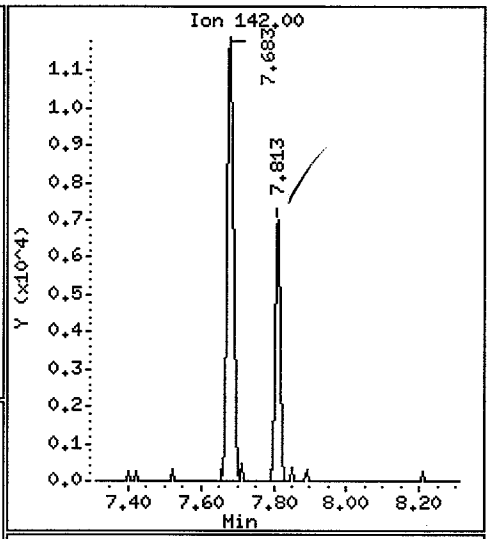
Concentration: 47.46 ug/kg

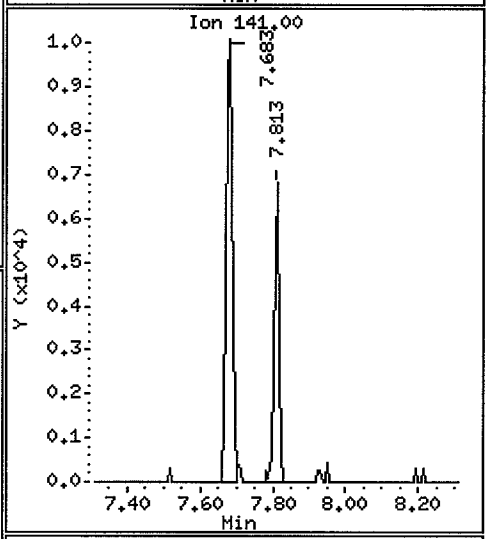


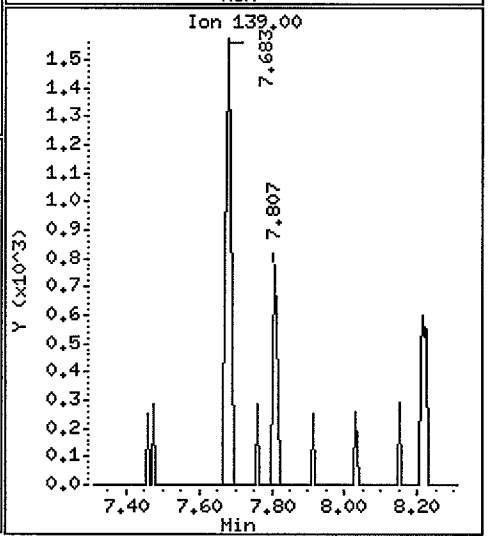












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

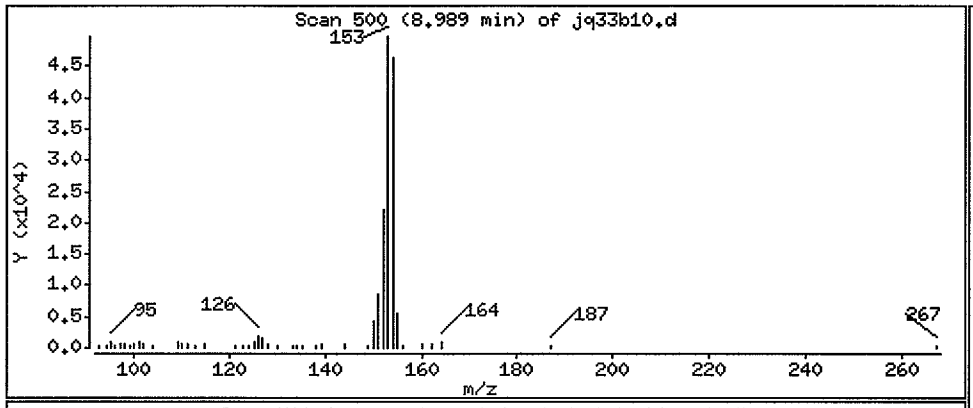
Operator: VTS

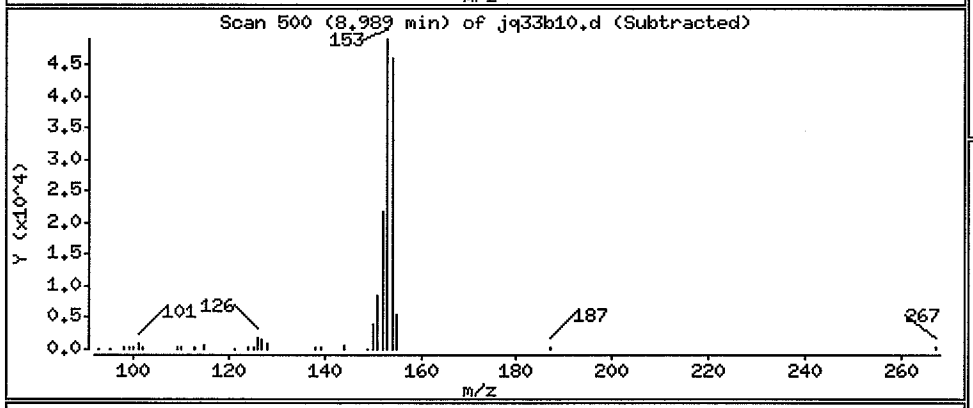
Column phase: ZB-5

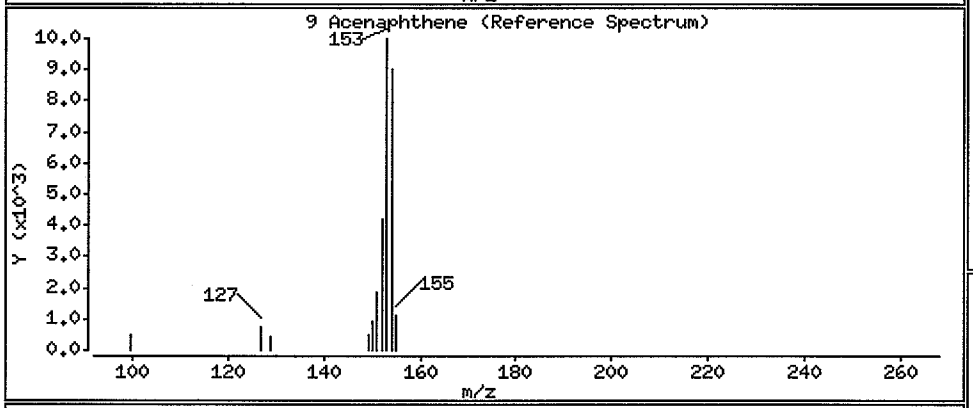
Column diameter: 0.25

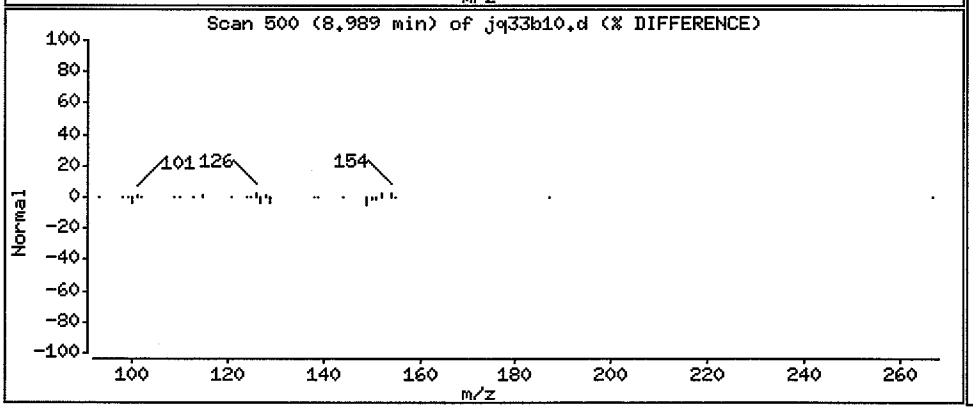
9 Acenaphthene

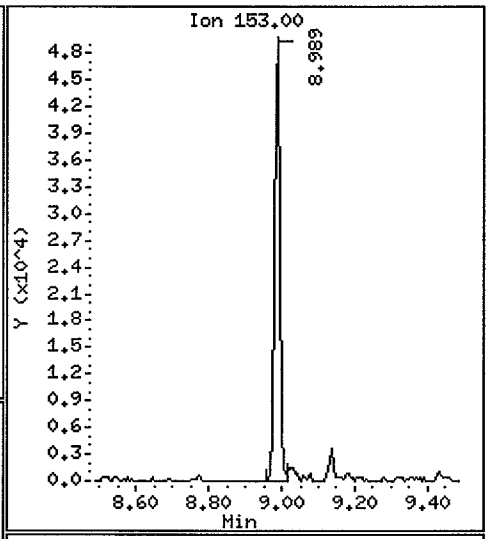
Concentration: 409.6 ug/kg

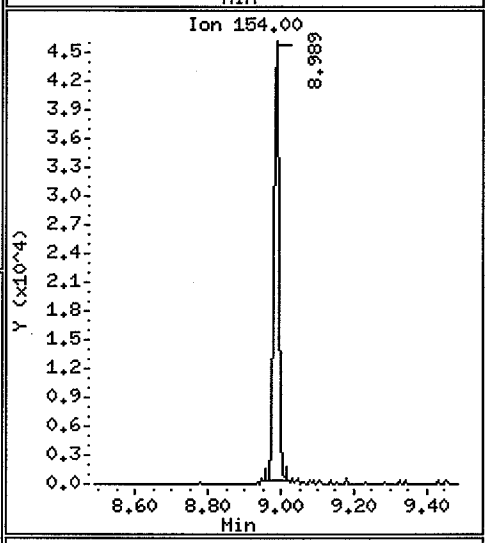


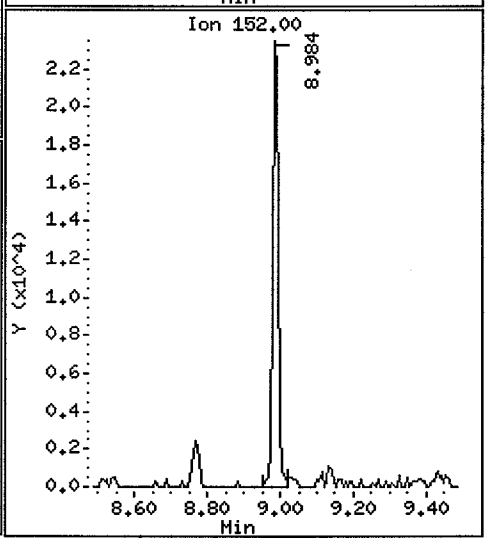












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

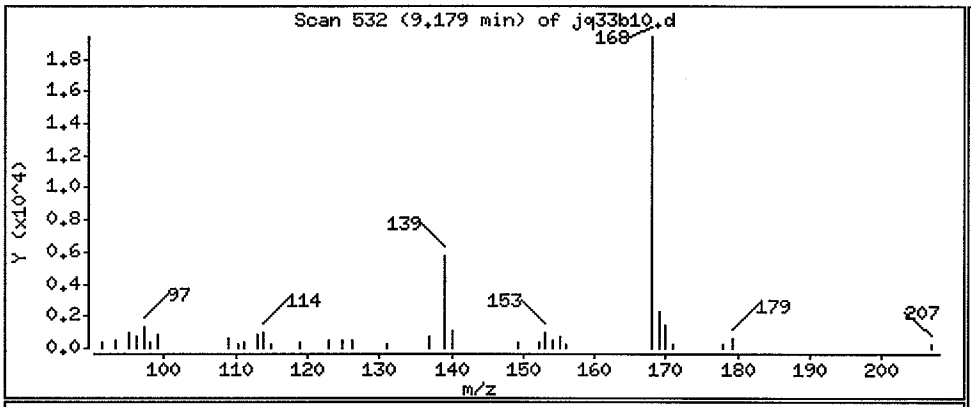
Operator: VTS

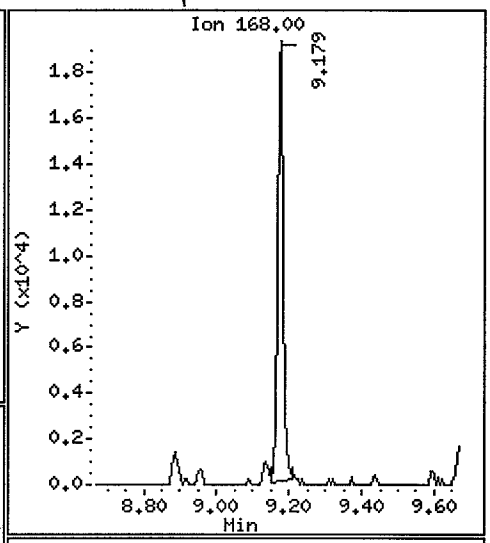
Column phase: ZB-5

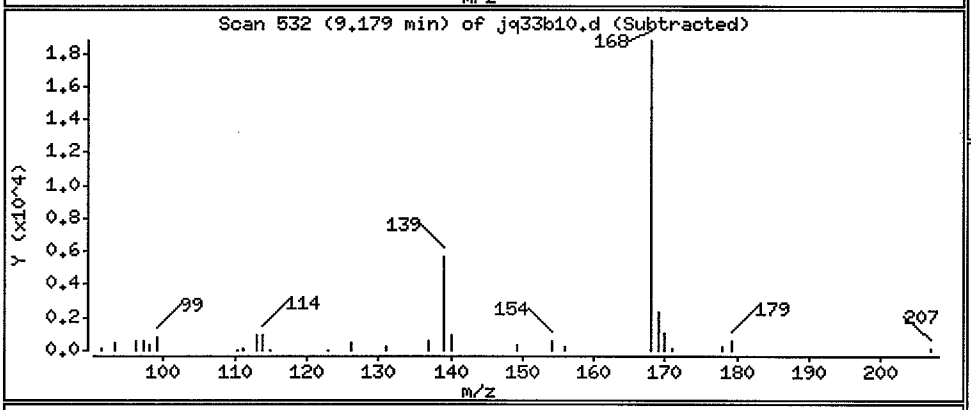
Column diameter: 0.25

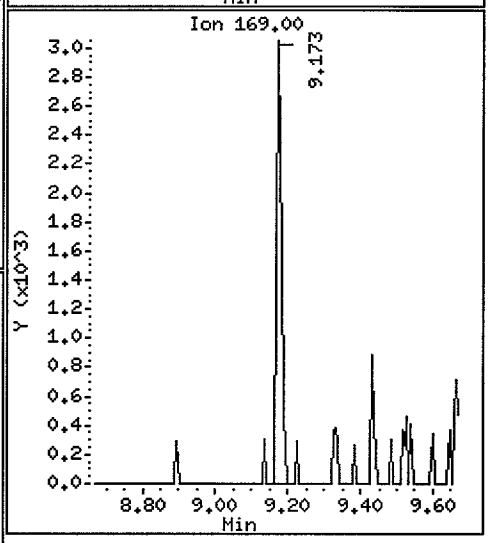
10 Dibenzofuran

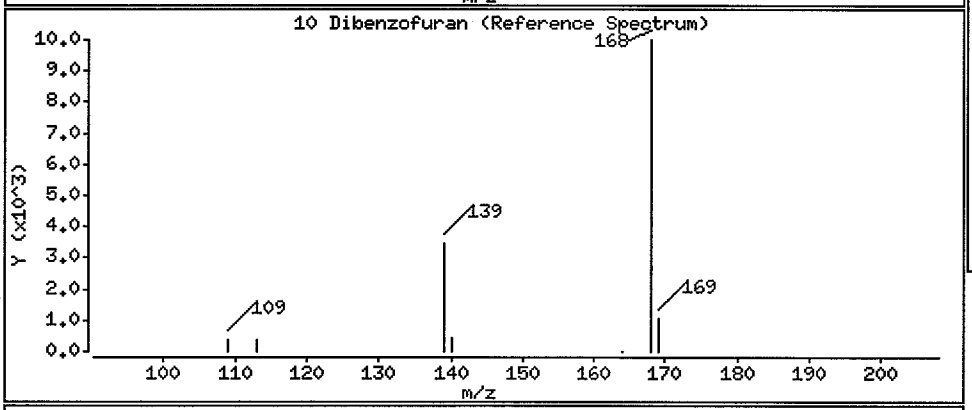
Concentration: 109.4 ug/kg

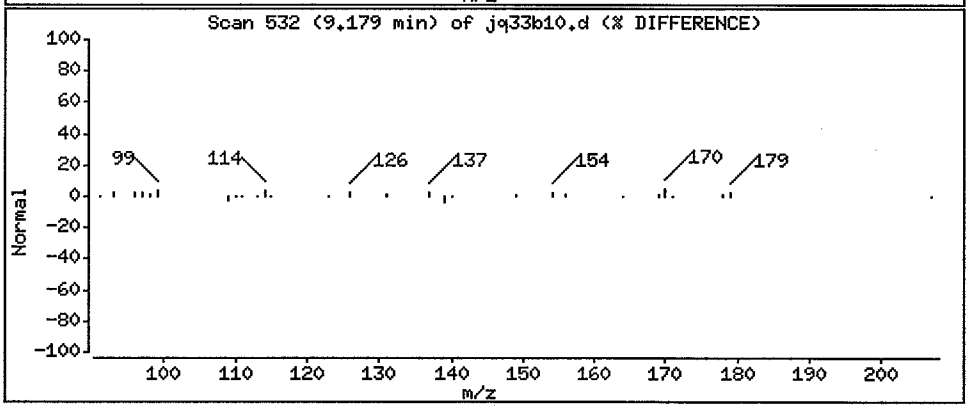












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

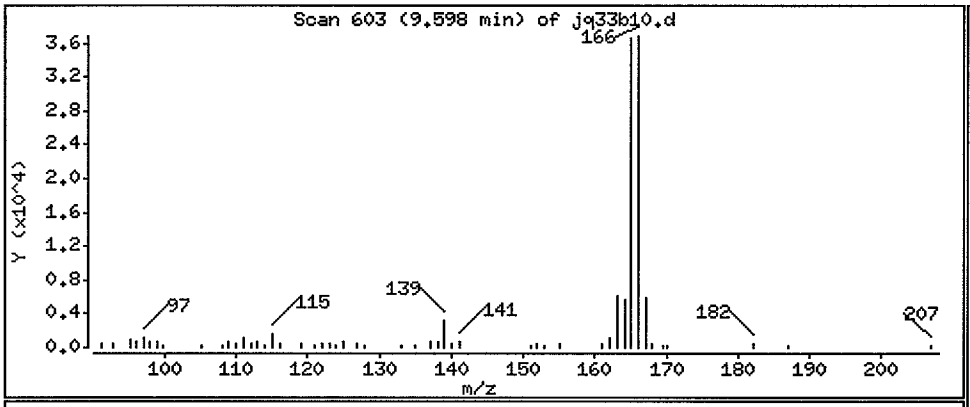
Operator: VTS

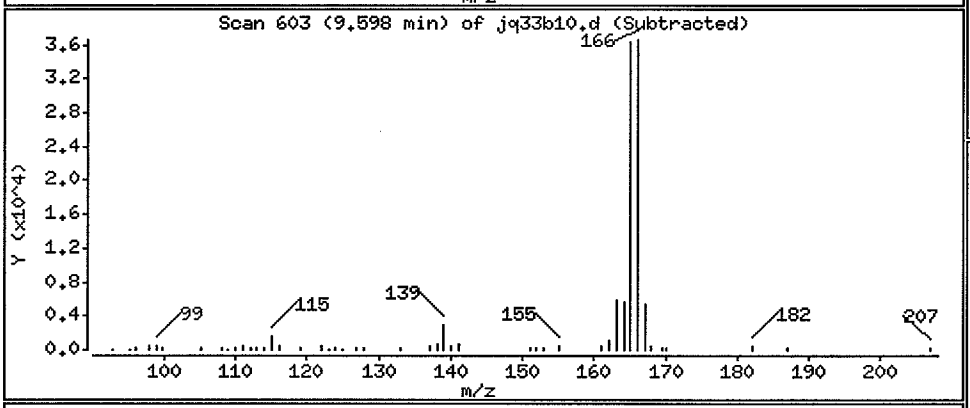
Column phase: ZB-5

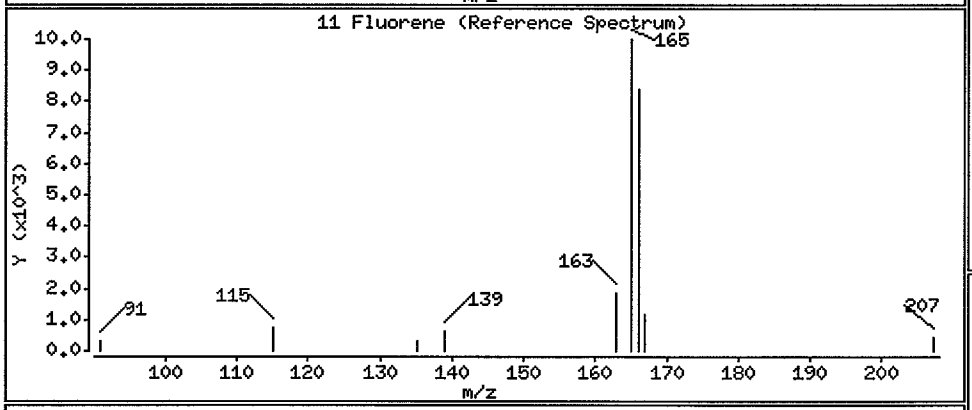
Column diameter: 0.25

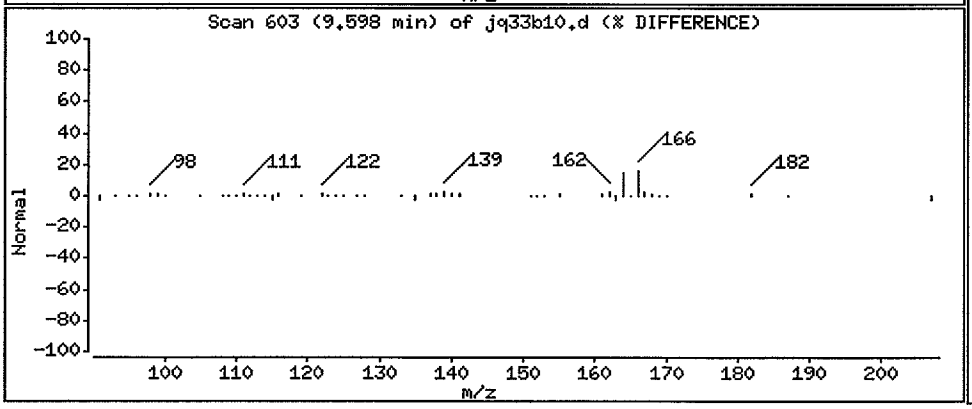
11 Fluorene

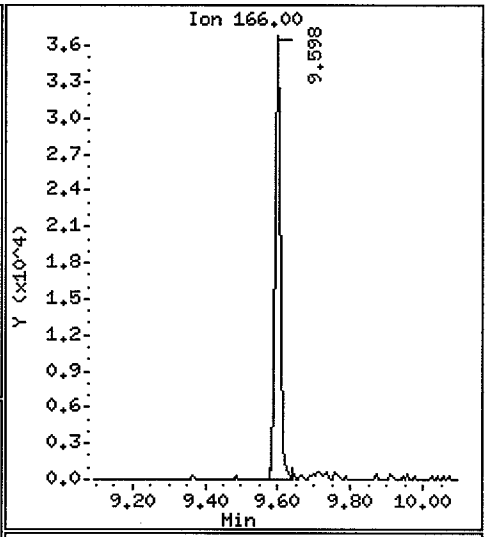
Concentration: 259.5 ug/kg

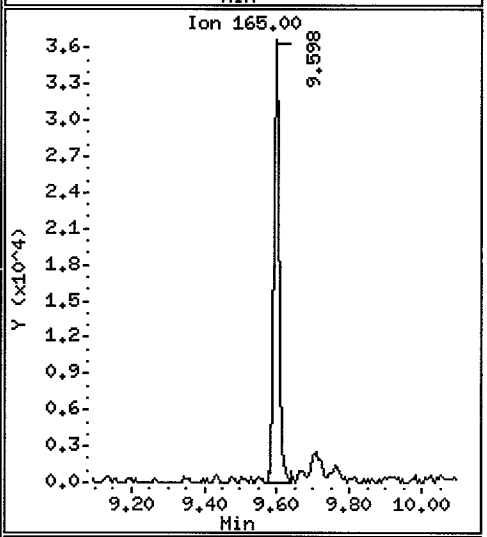


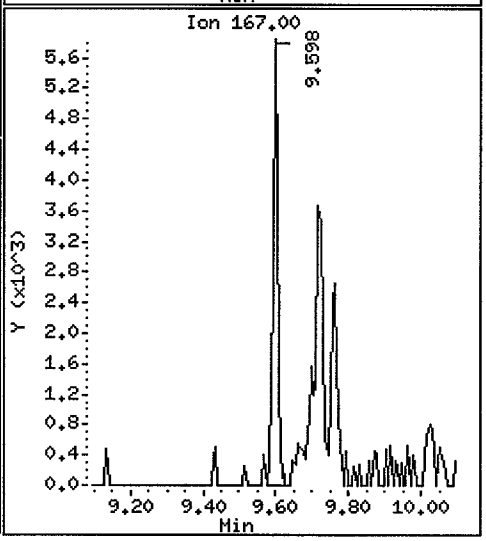












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

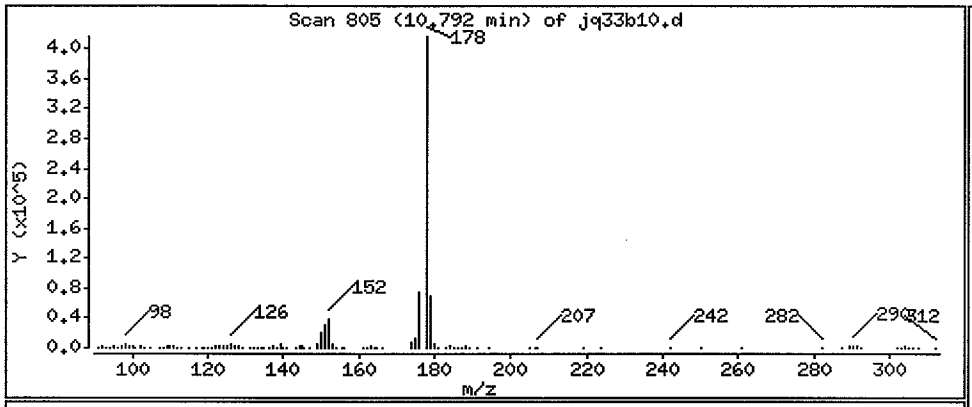
Operator: VTS

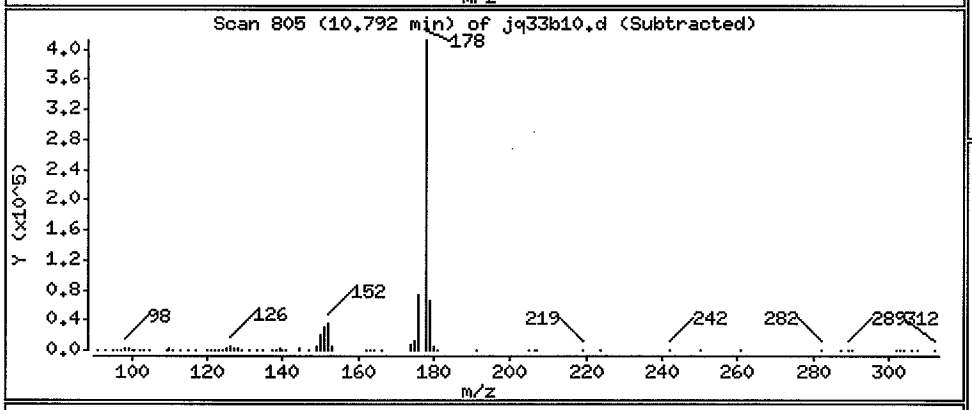
Column phase: ZB-5

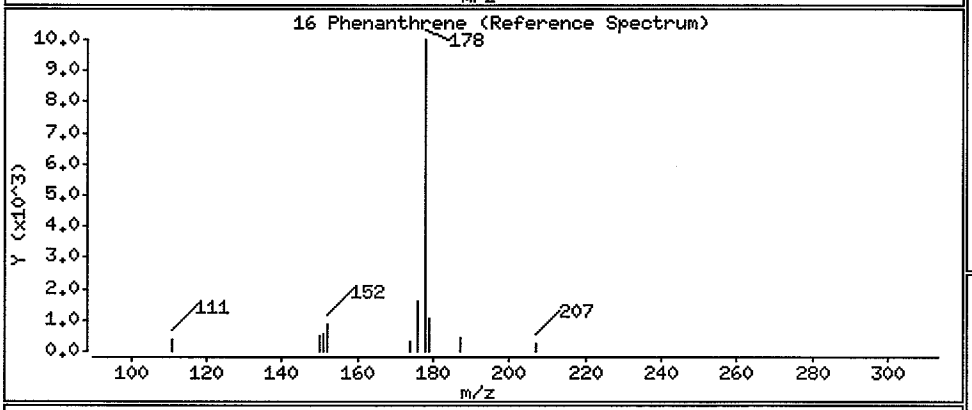
Column diameter: 0.25

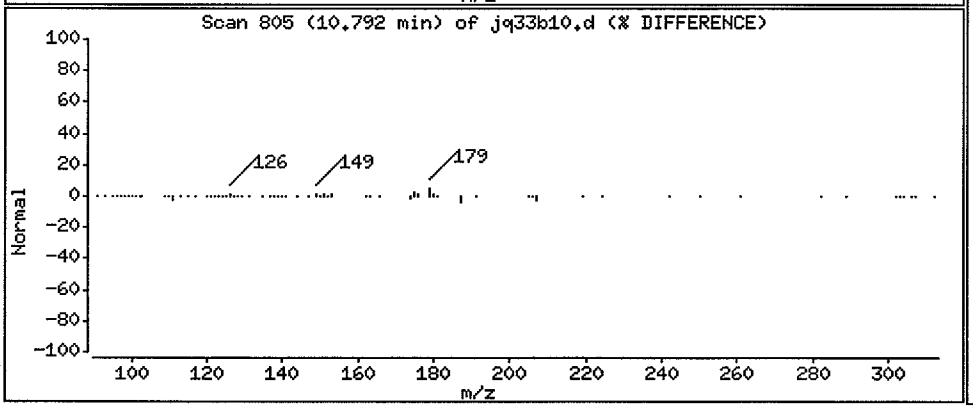
16 Phenanthrene

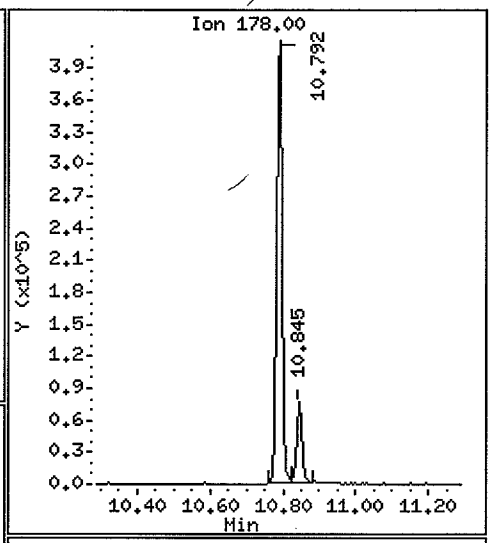
Concentration: 1990 ug/kg

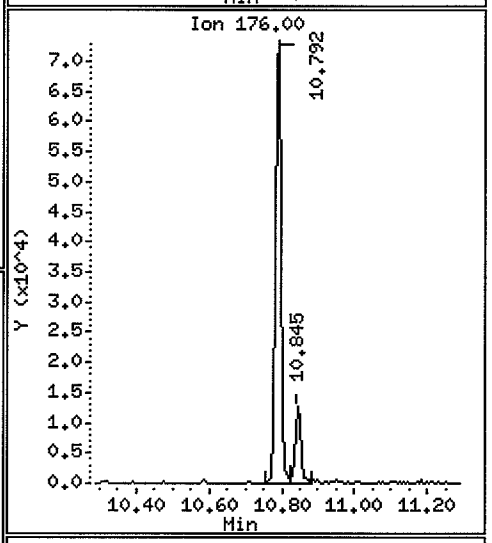


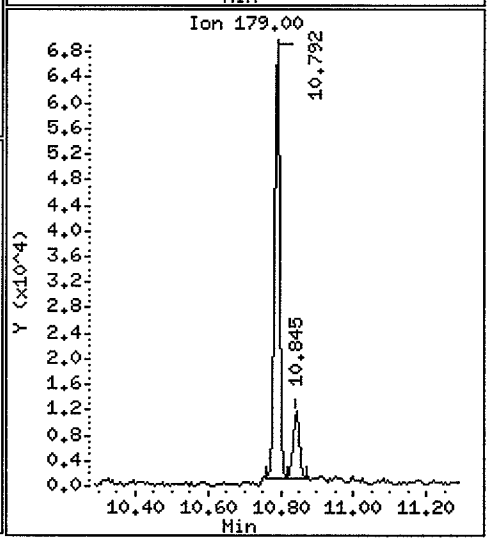












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

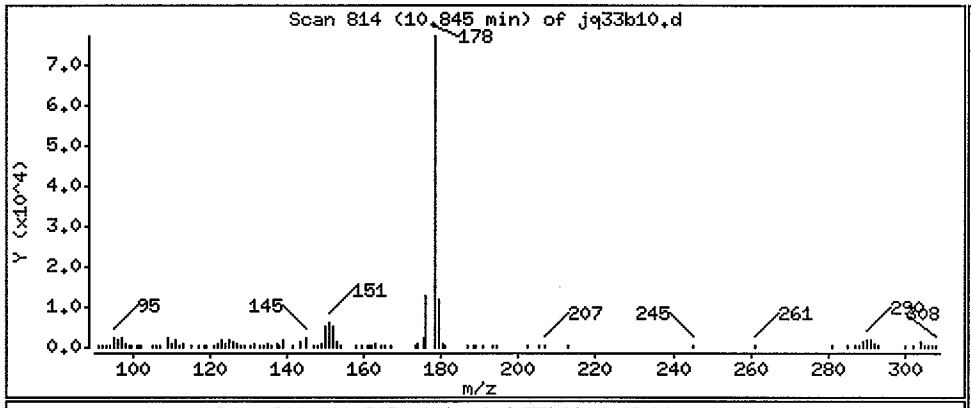
Operator: VTS

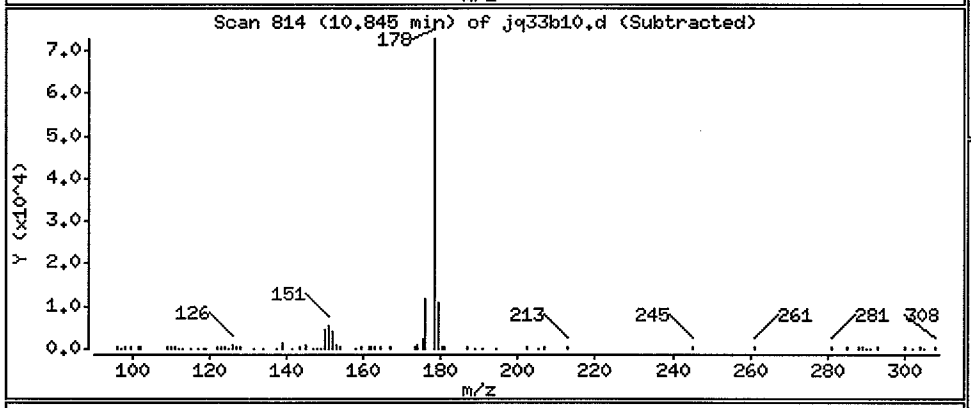
Column phase: ZB-5

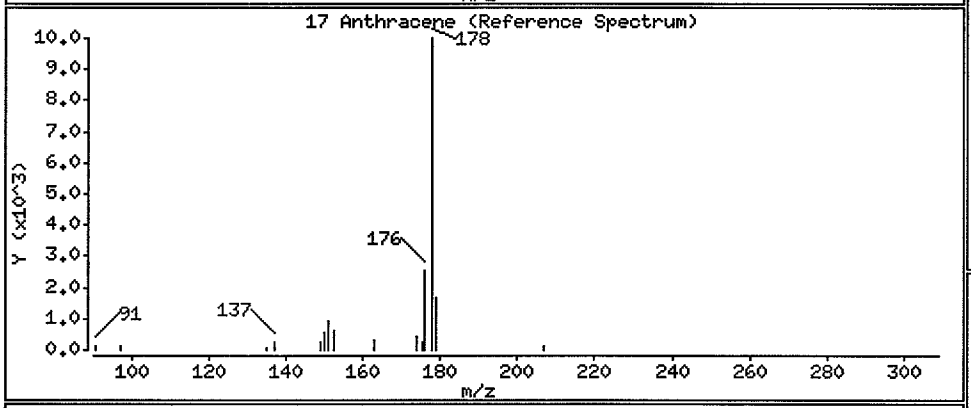
Column diameter: 0.25

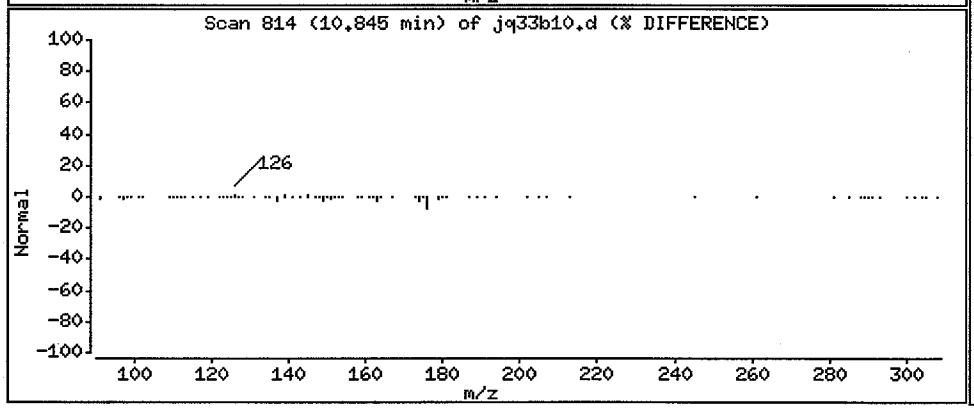
17 Anthracene

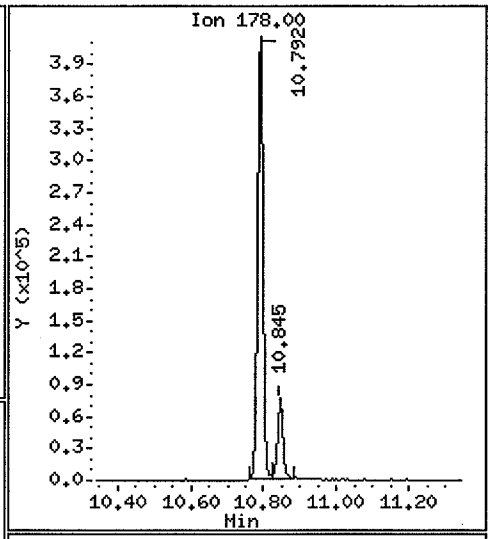
Concentration: 349.2 ug/kg

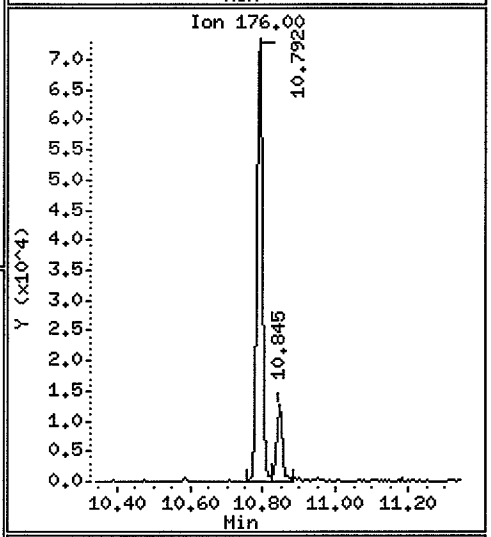


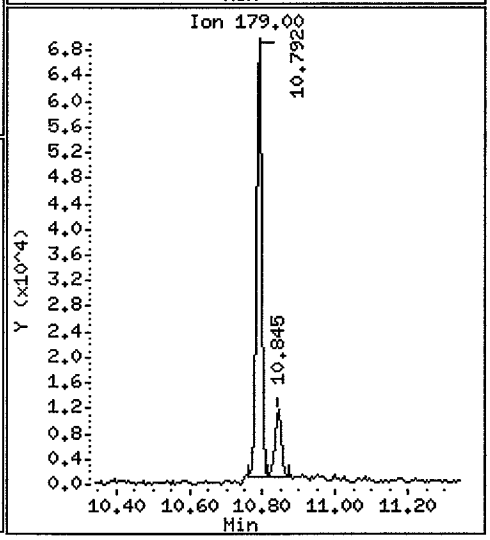












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

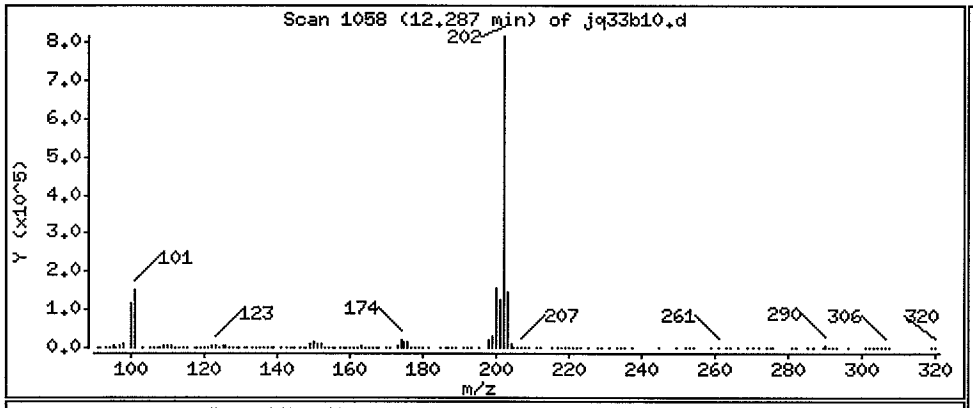
Operator: VTS

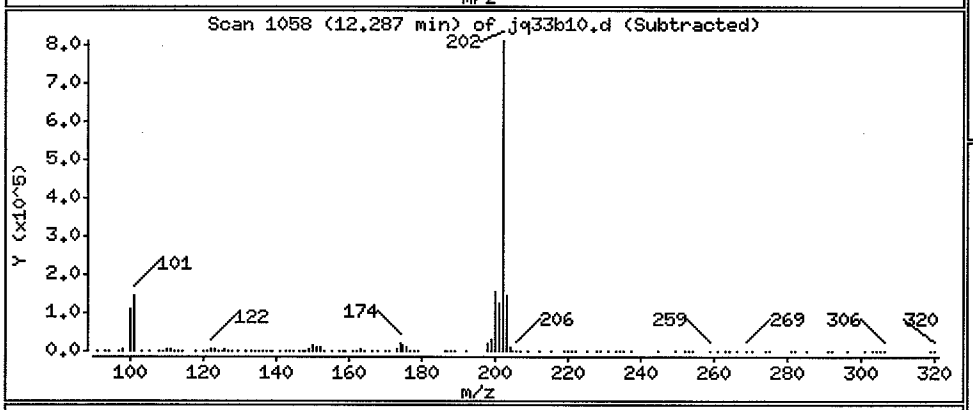
Column phase: ZB-5

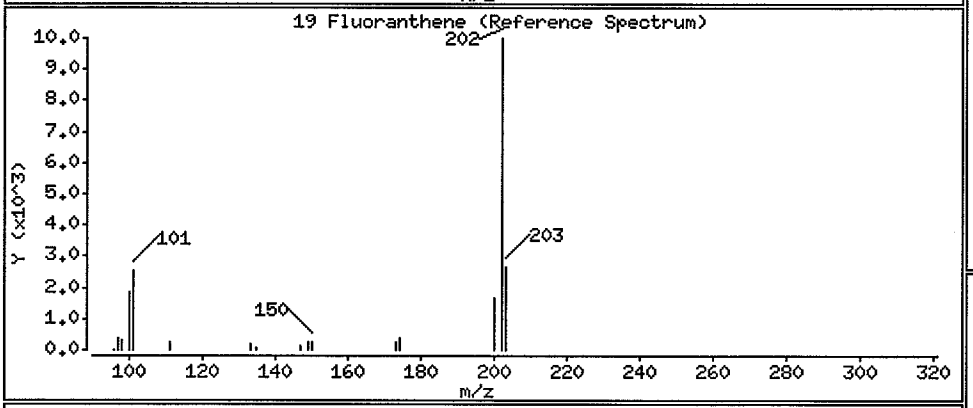
Column diameter: 0.25

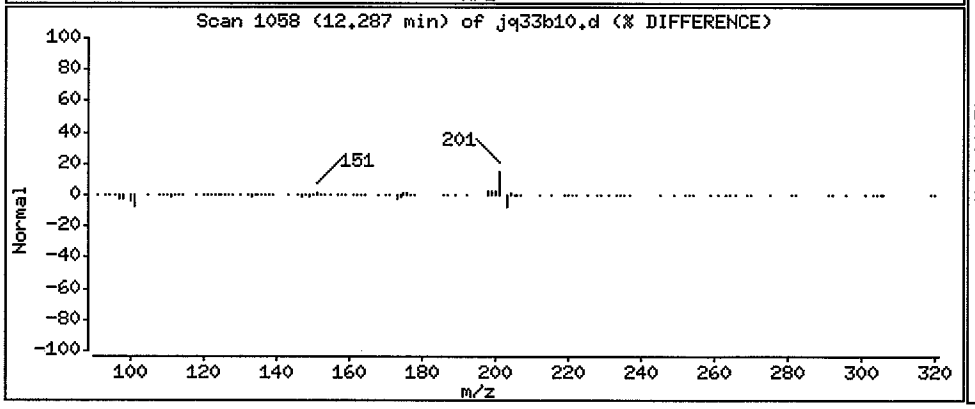
19 Fluoranthene

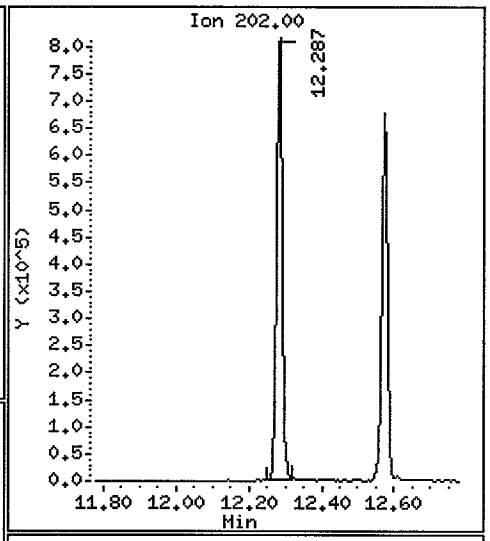
Concentration: 3910 ug/kg

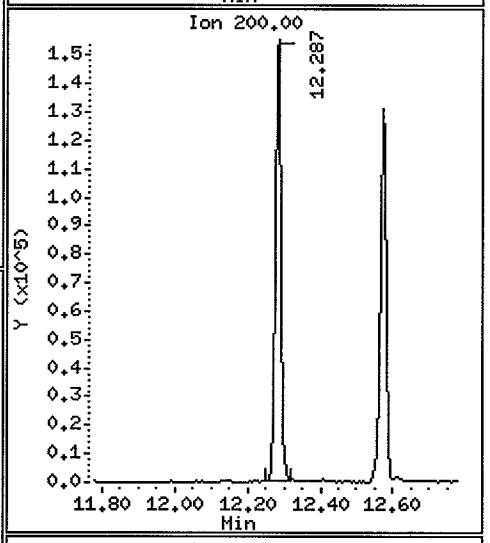


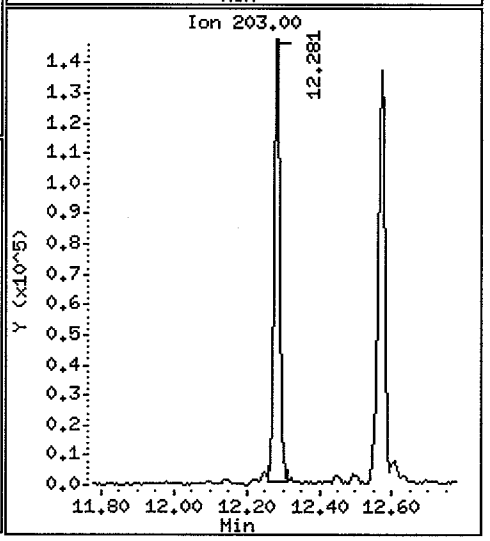












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

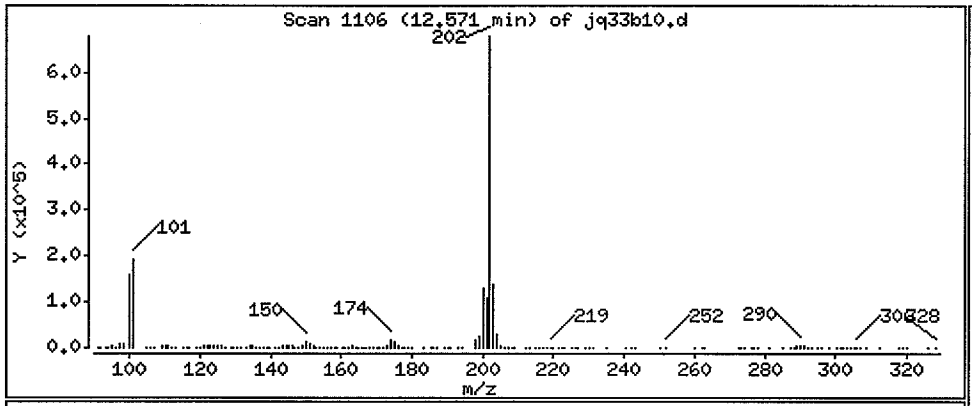
Operator: VTS

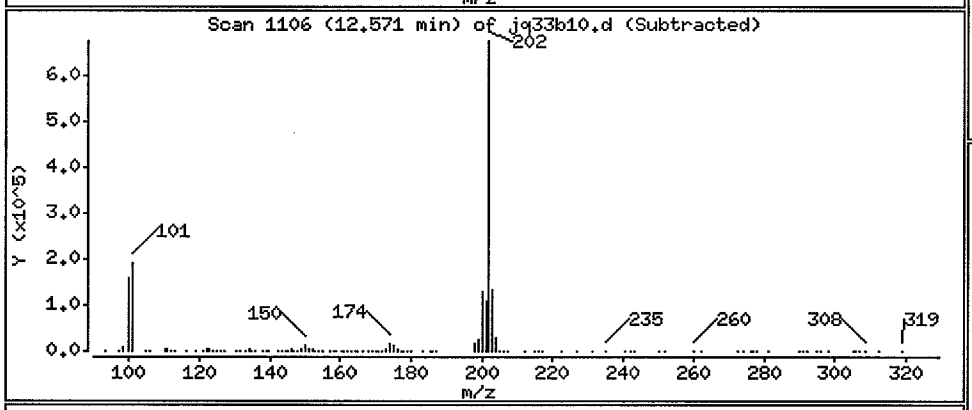
Column phase: ZB-5

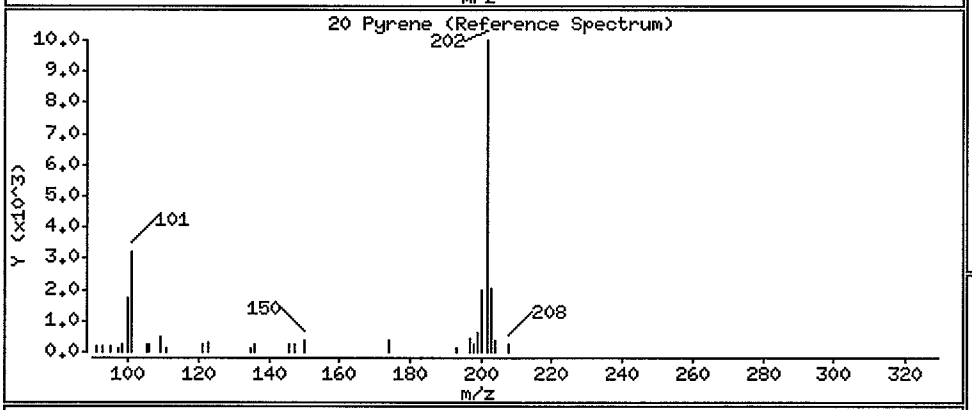
Column diameter: 0.25

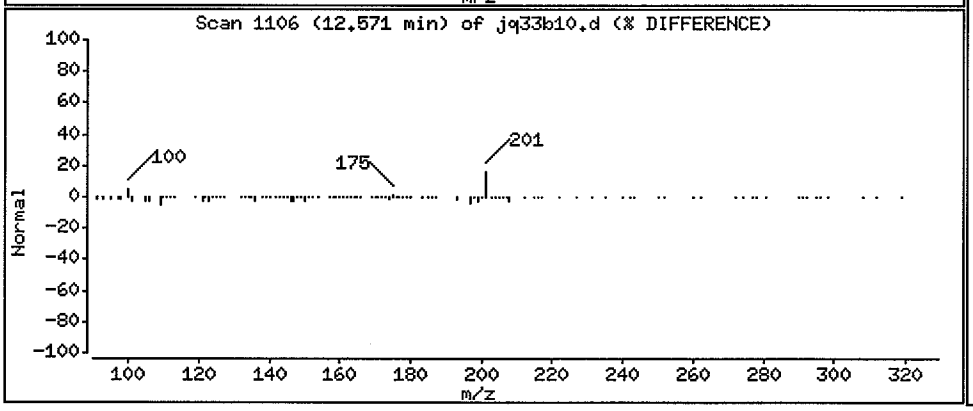
20 Pyrene

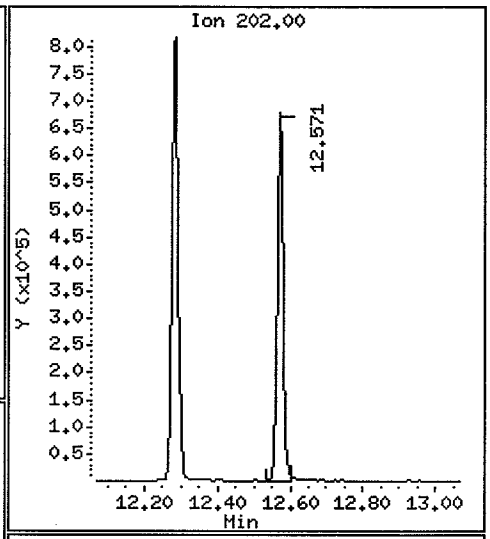
Concentration: 3045 ug/kg

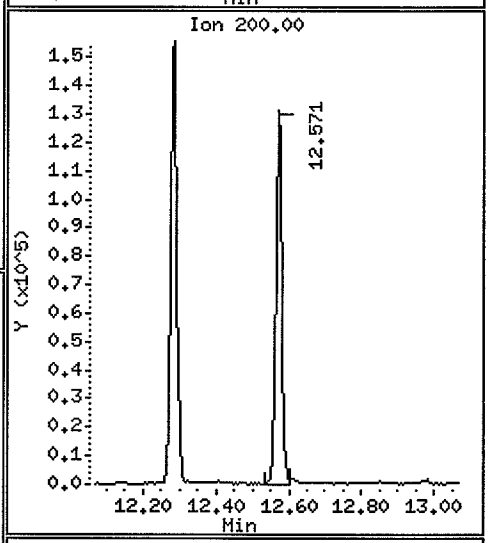


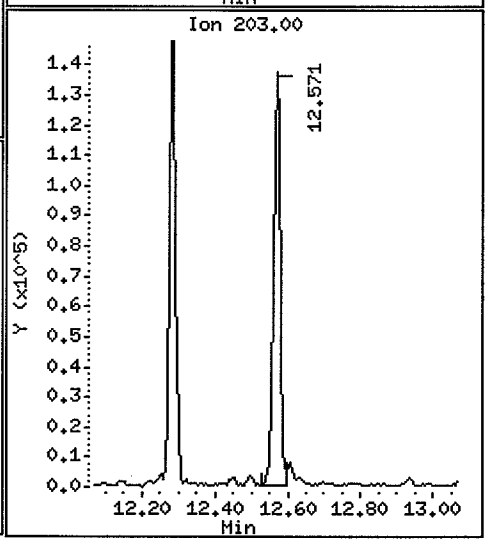












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

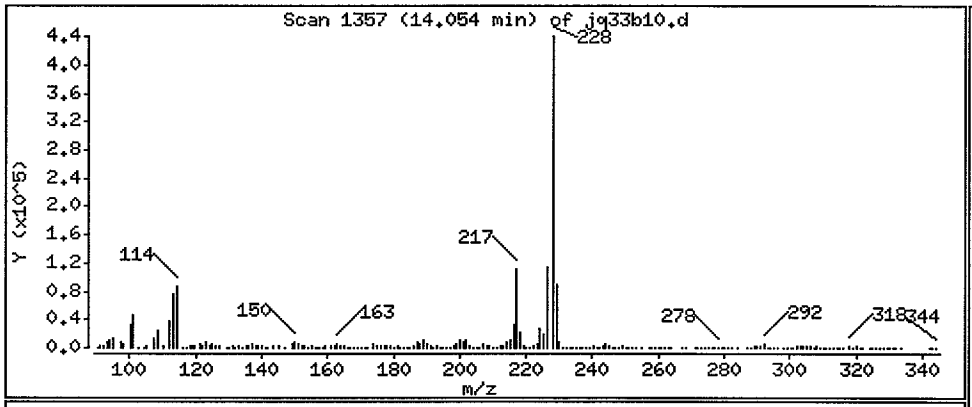
Operator: VTS

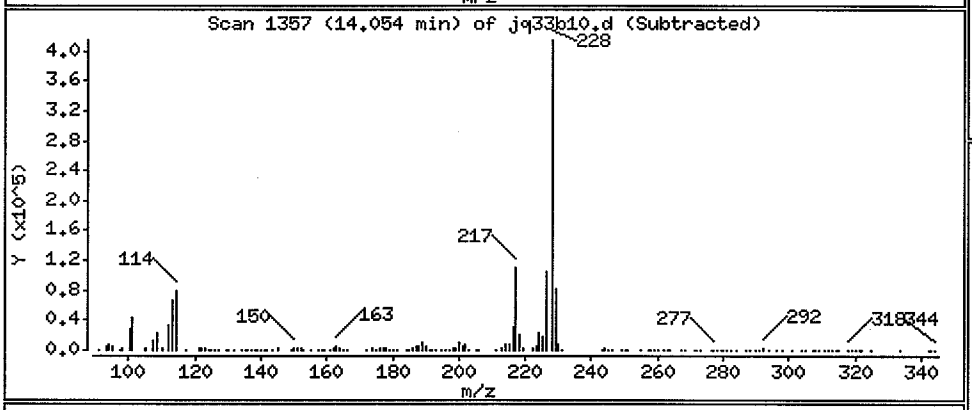
Column phase: ZB-5

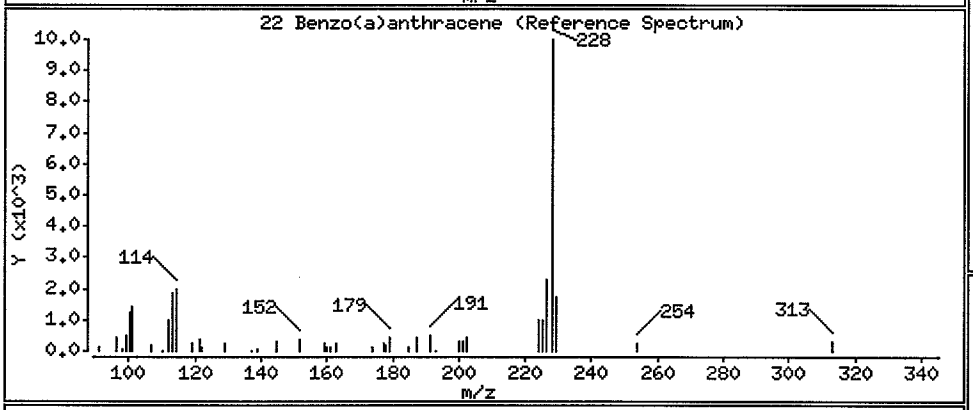
Column diameter: 0.25

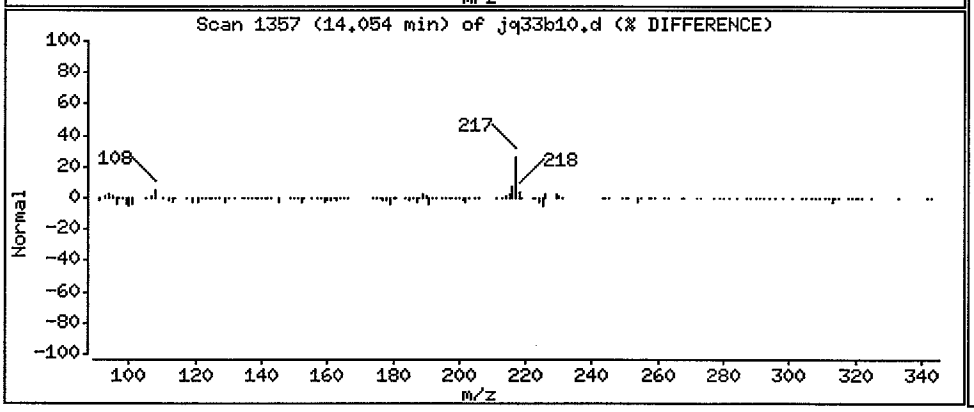
22 Benzo(a)anthracene

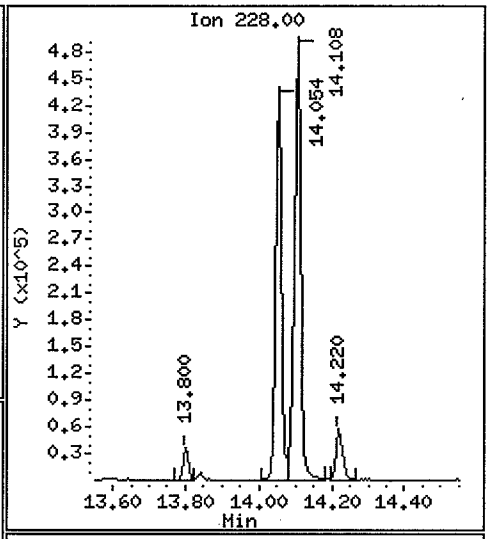
Concentration: 2112 ug/kg

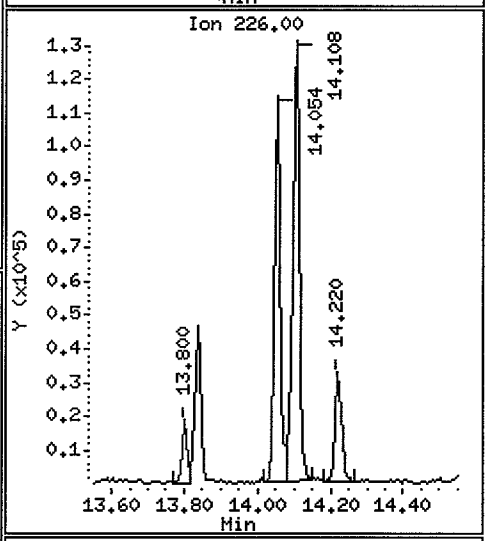


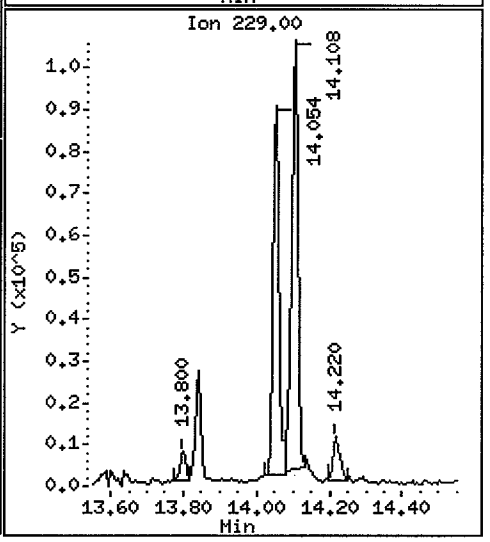












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

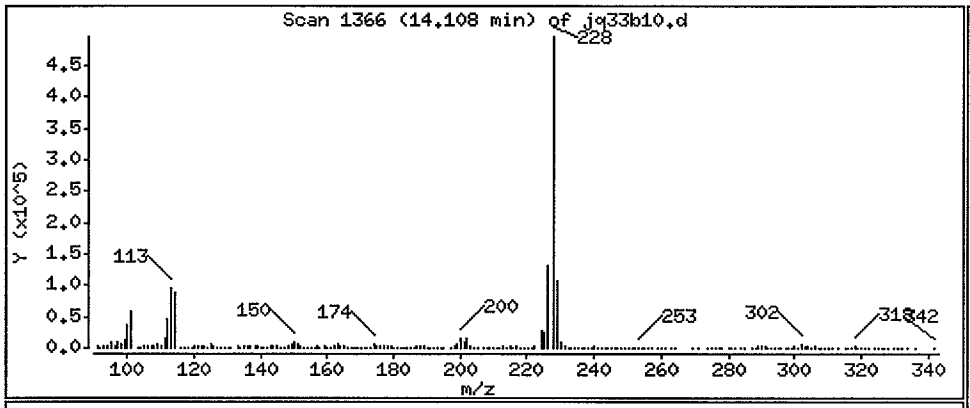
Operator: VTS

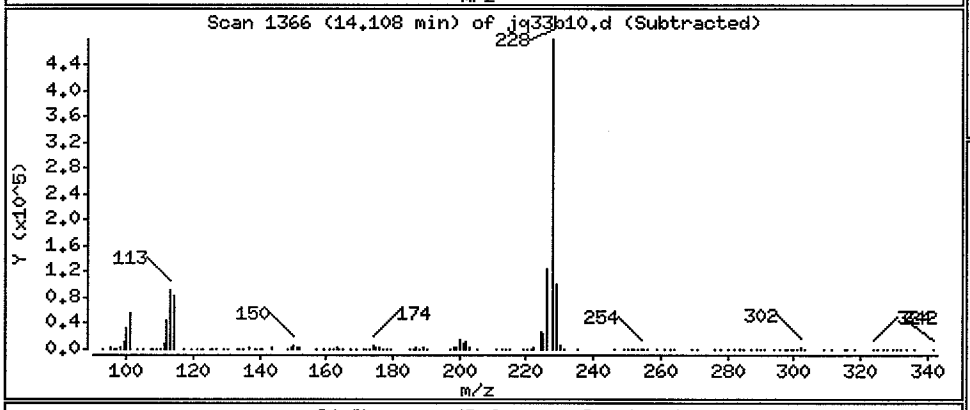
Column phase: ZB-5

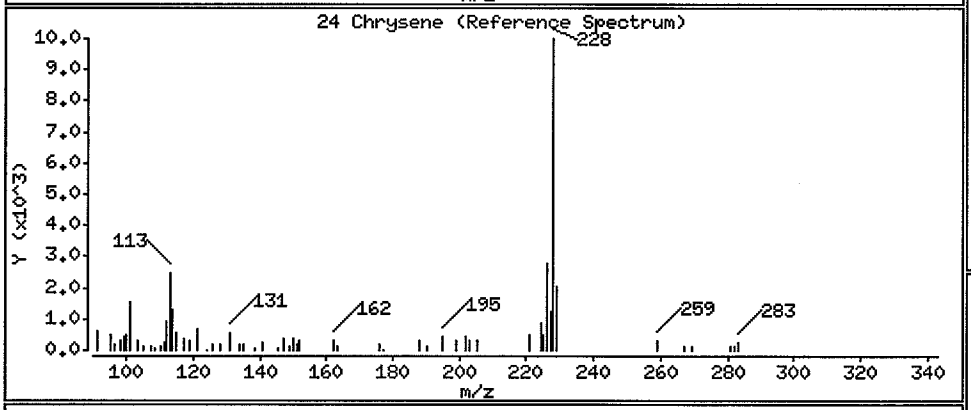
Column diameter: 0.25

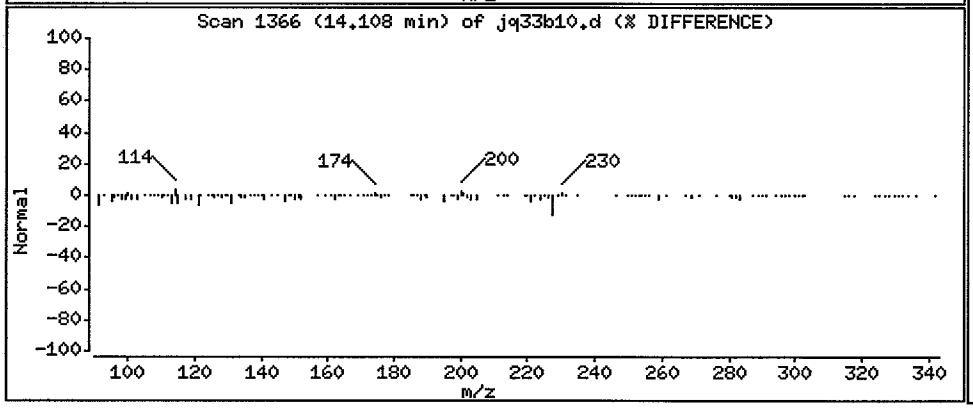
24 Chrysene

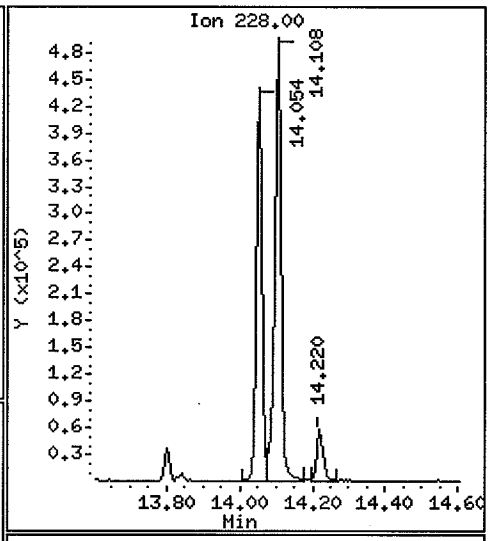
Concentration: 2839 ug/kg

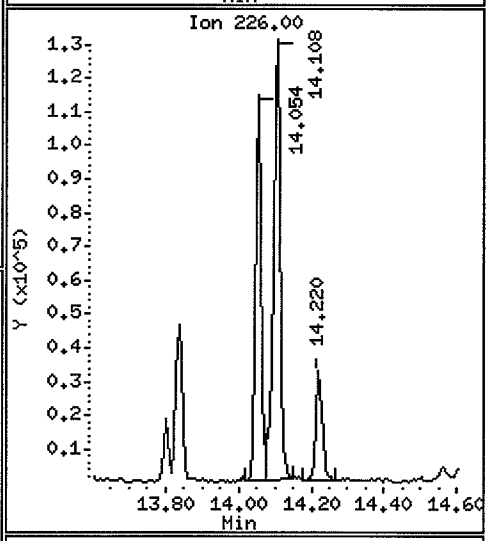


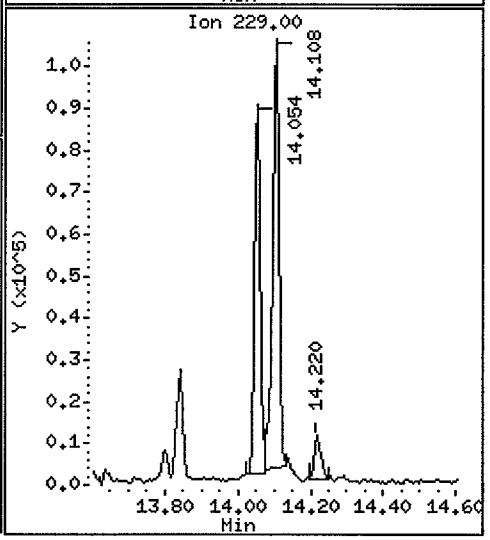












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

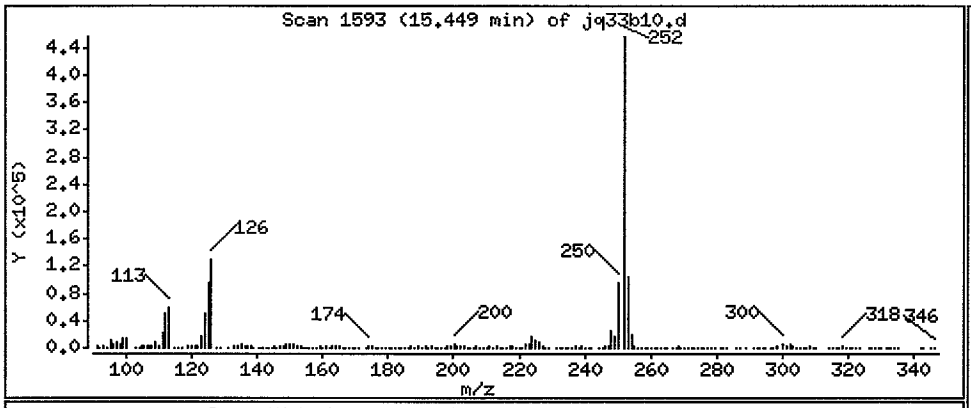
Operator: VTS

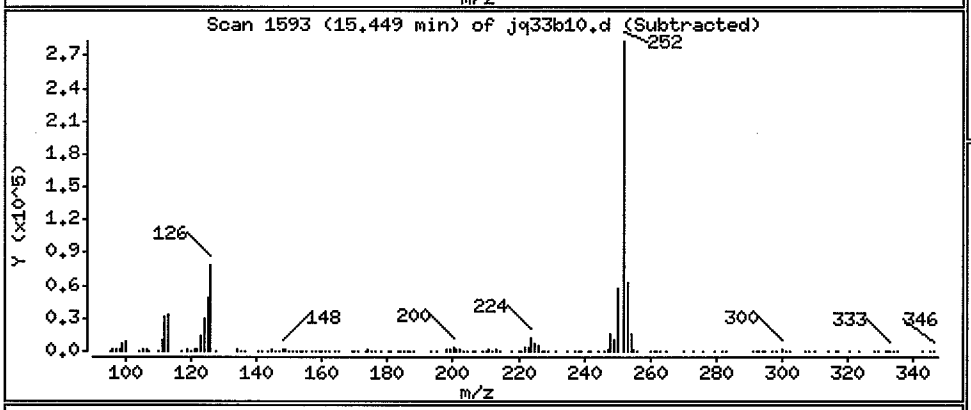
Column phase: ZB-5

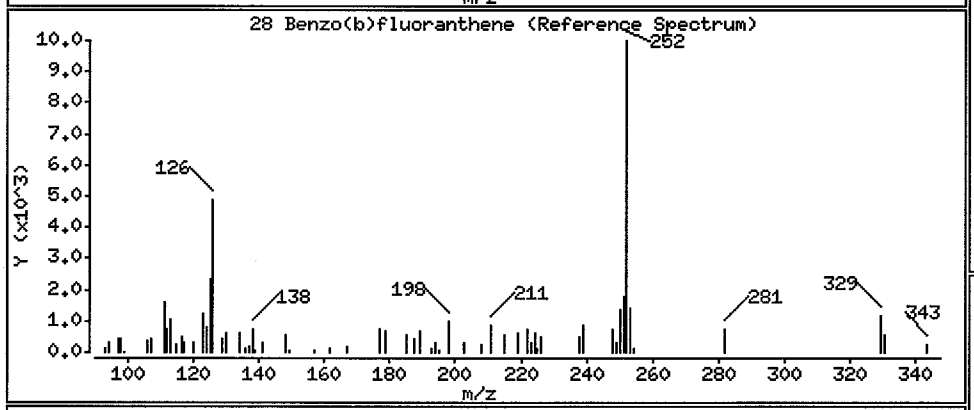
Column diameter: 0.25

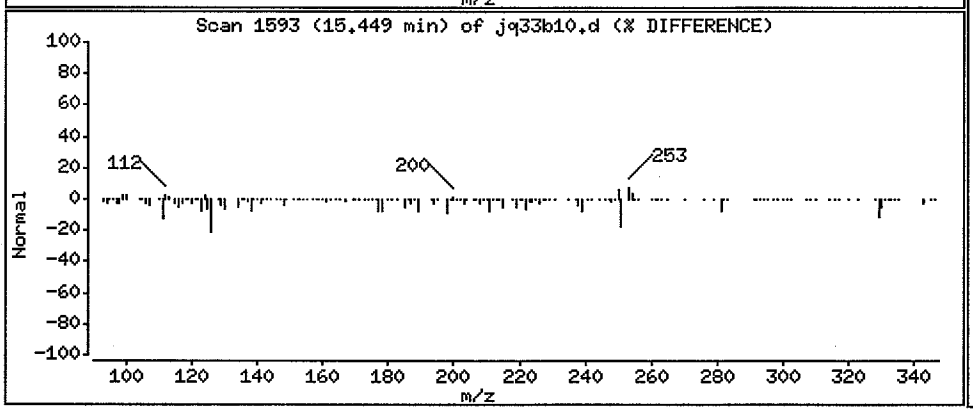
28 Benzo(b)fluoranthene

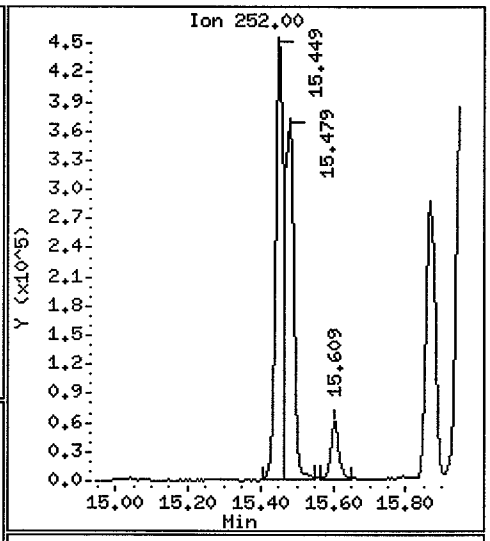
Concentration: 3046 ug/kg

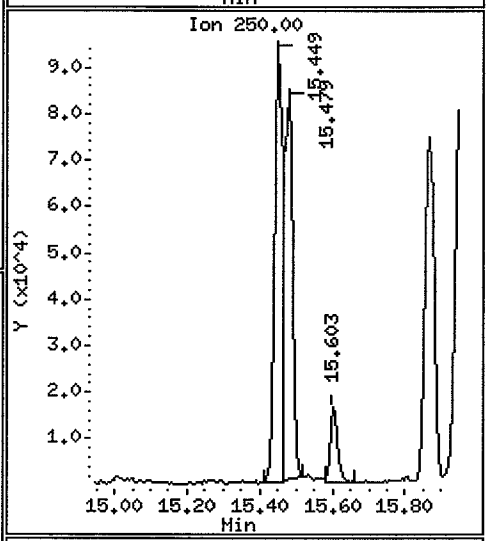


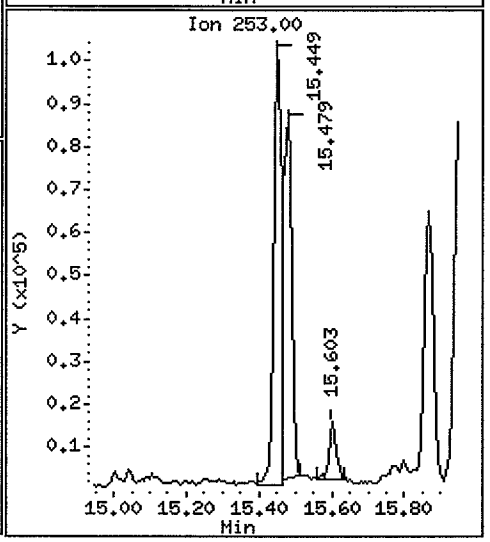












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

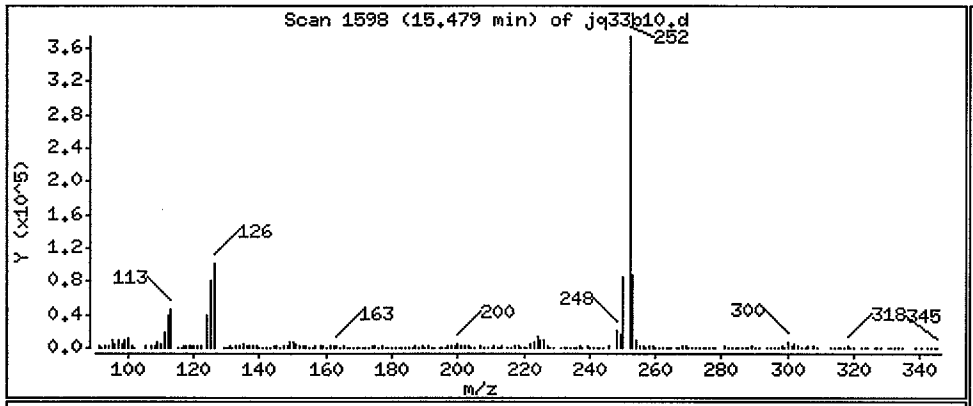
Operator: VTS

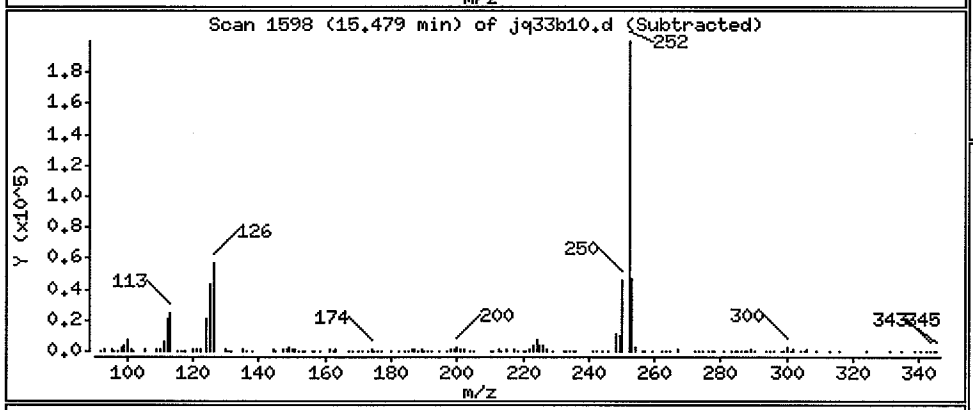
Column phase: ZB-5

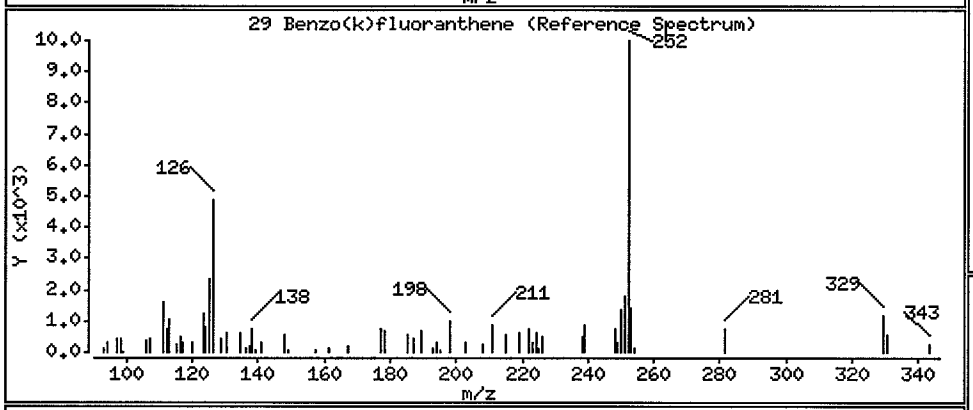
Column diameter: 0.25

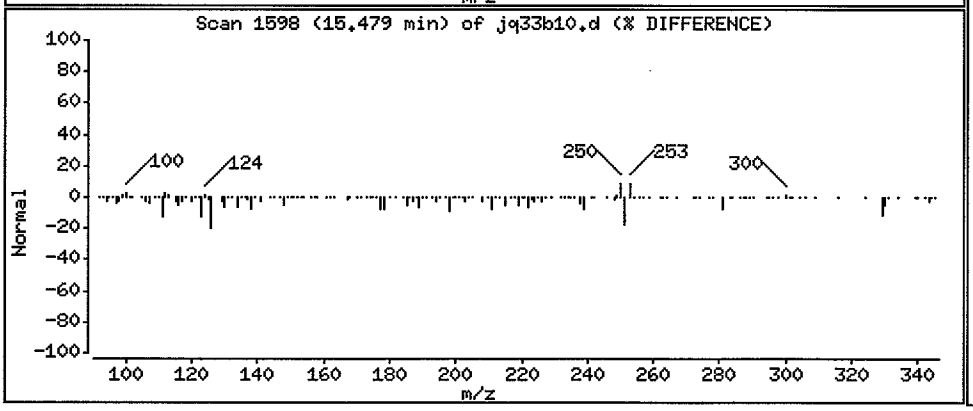
29 Benzo(k)fluoranthene

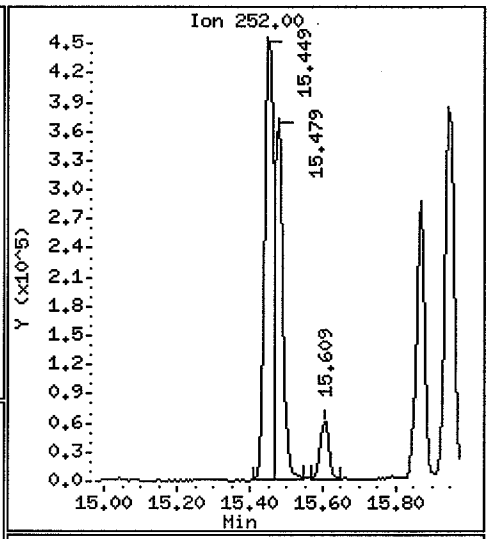
Concentration: 2338 ug/kg

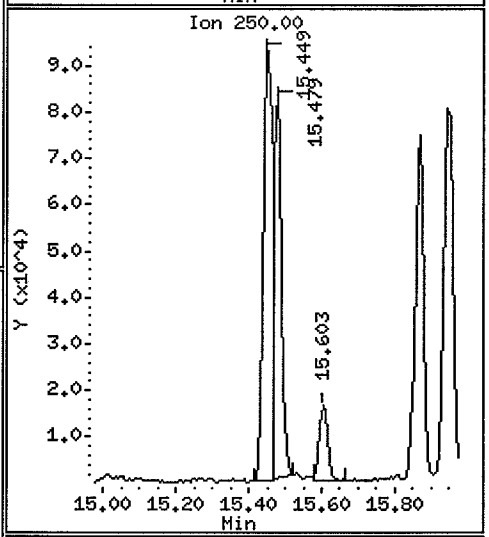


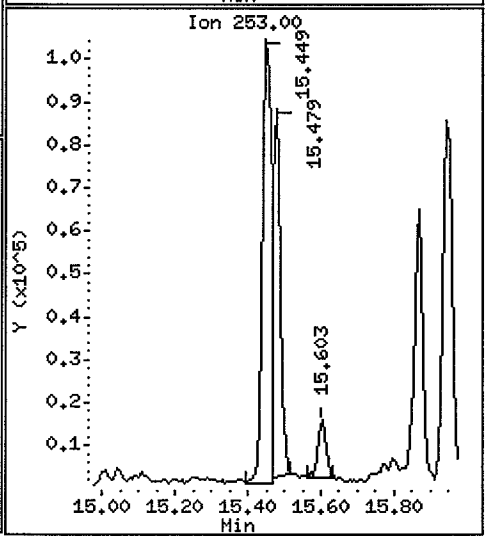












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

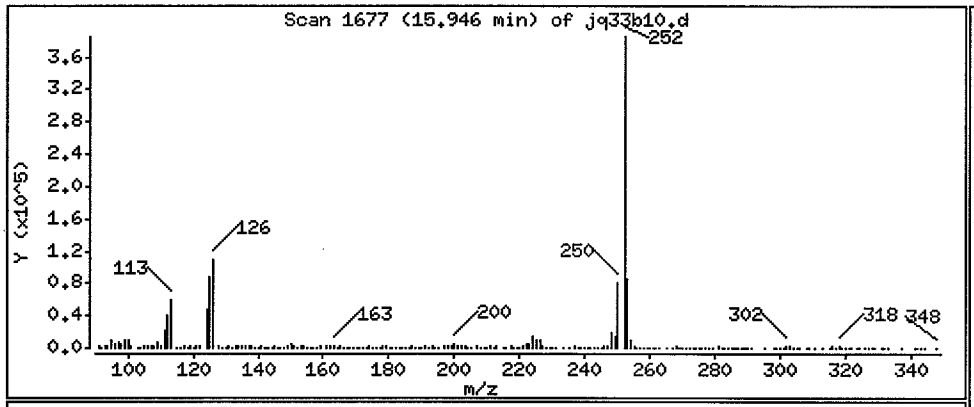
Operator: VTS

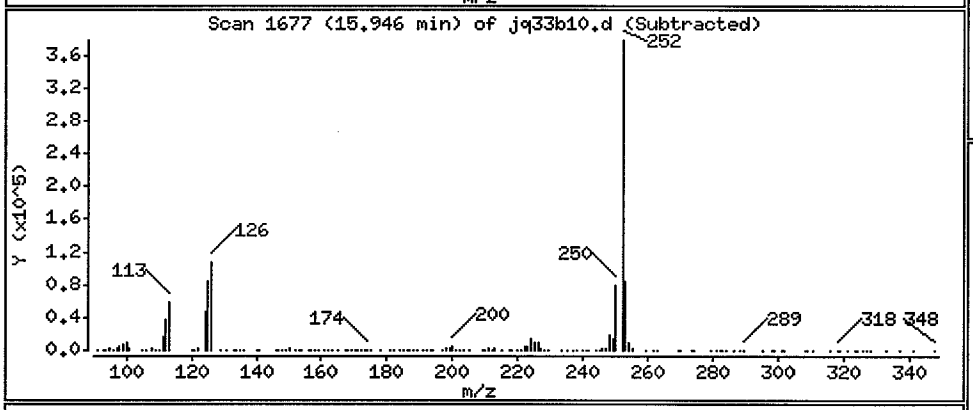
Column phase: ZB-5

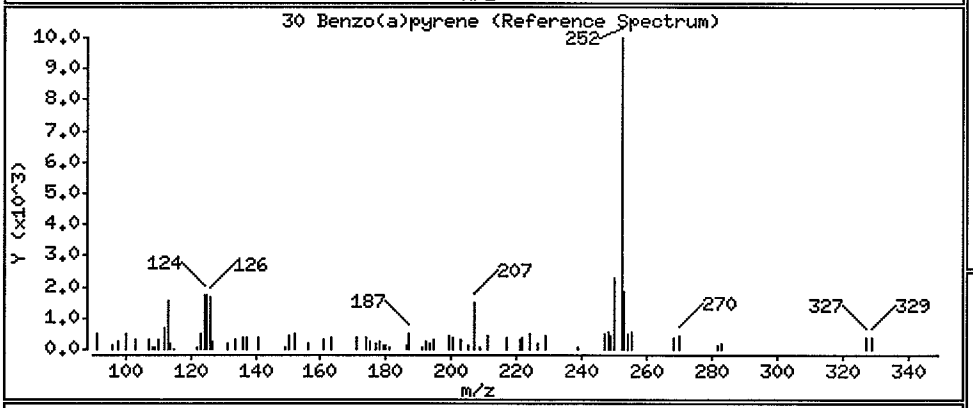
Column diameter: 0.25

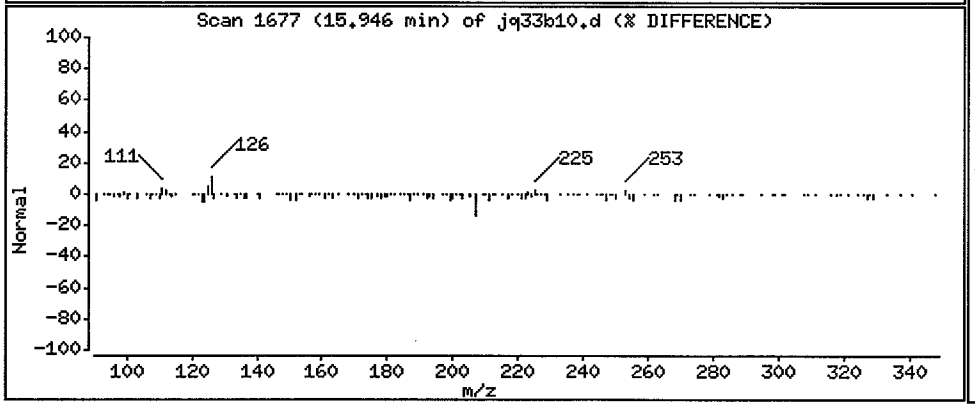
30 Benzo(a)pyrene

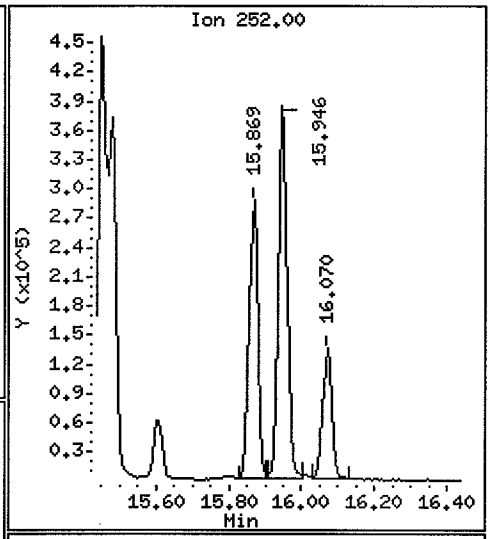
Concentration: 2639 ug/kg

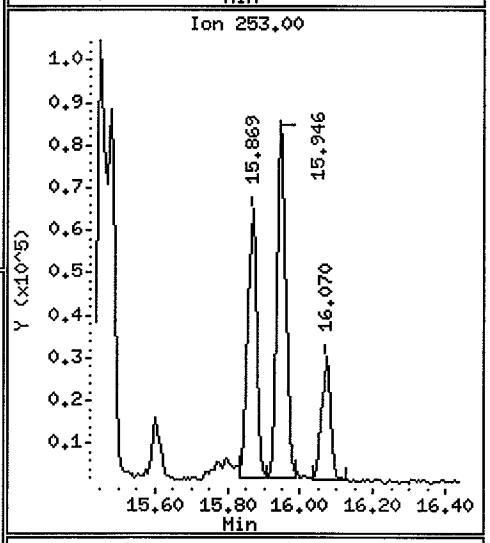


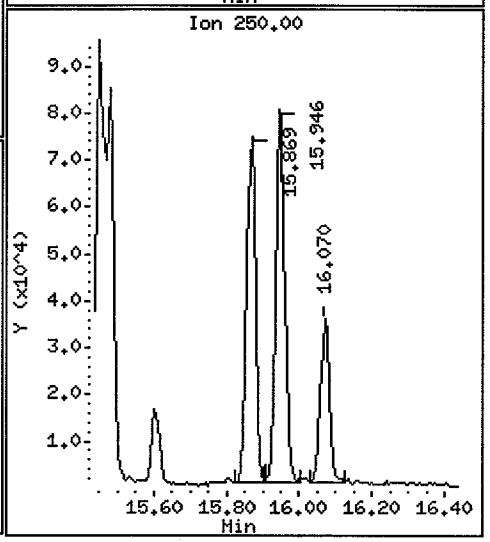












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

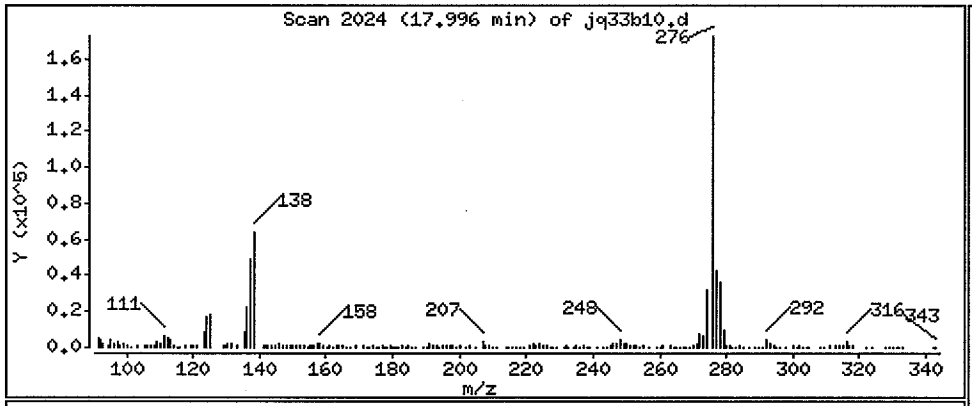
Operator: VTS

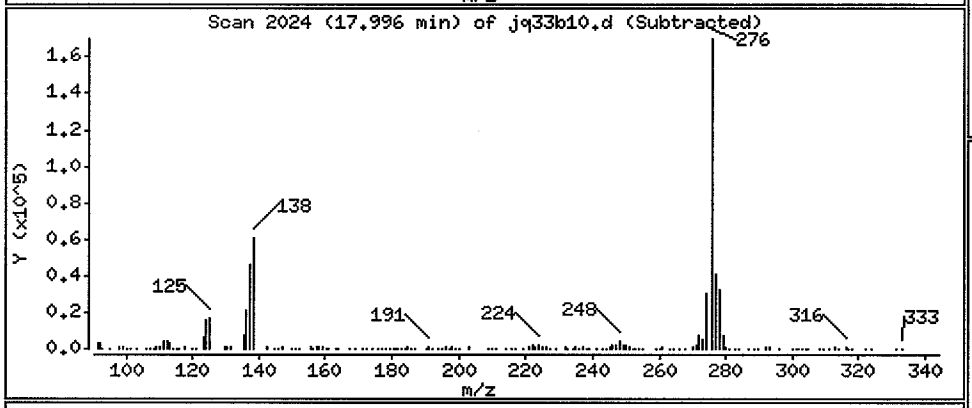
Column phase: ZB-5

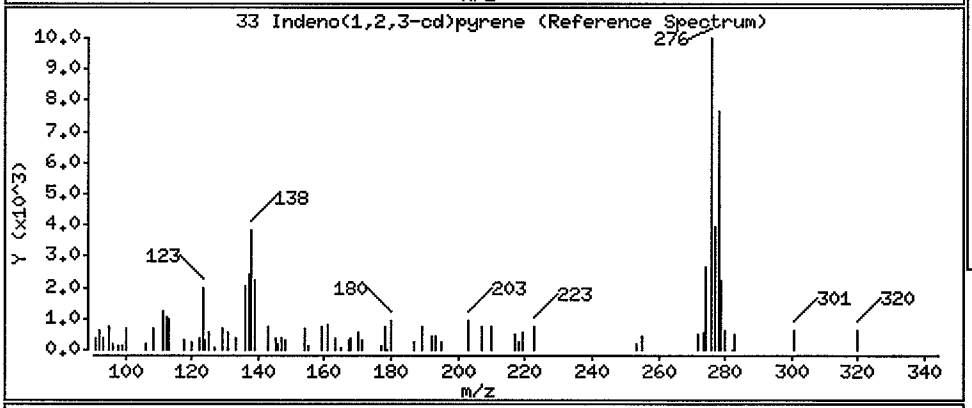
Column diameter: 0.25

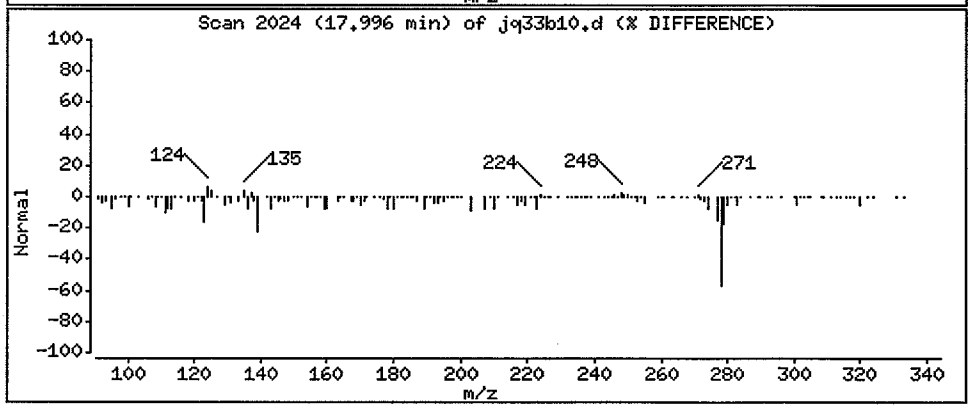
33 Indeno(1,2,3-cd)pyrene

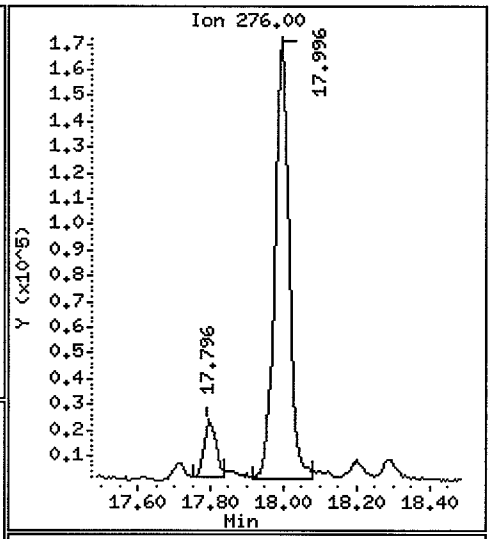
Concentration: 1668 ug/kg

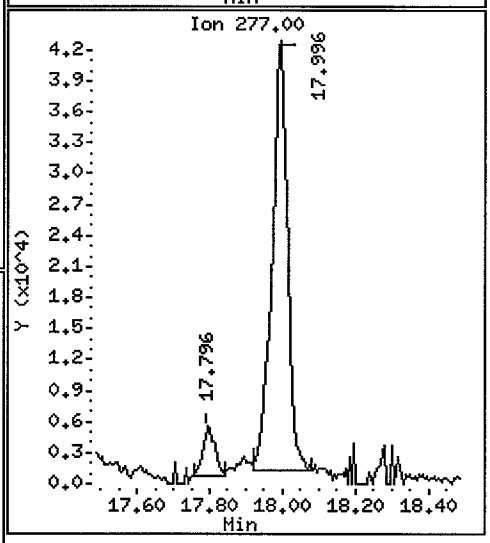












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

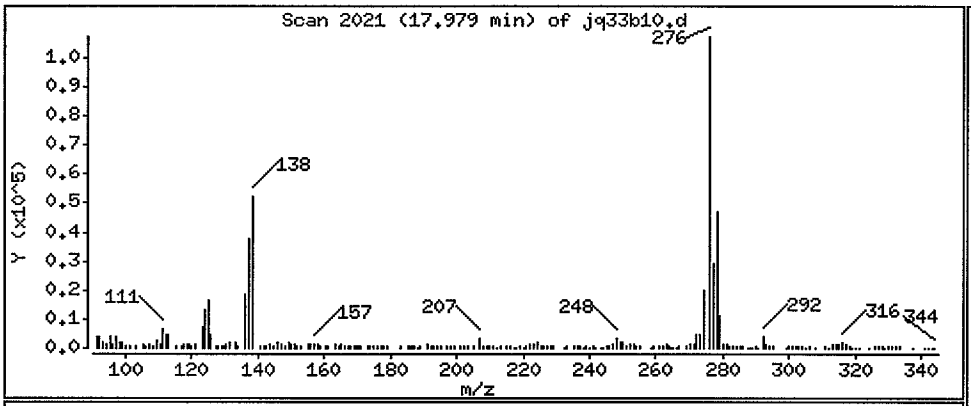
Operator: VTS

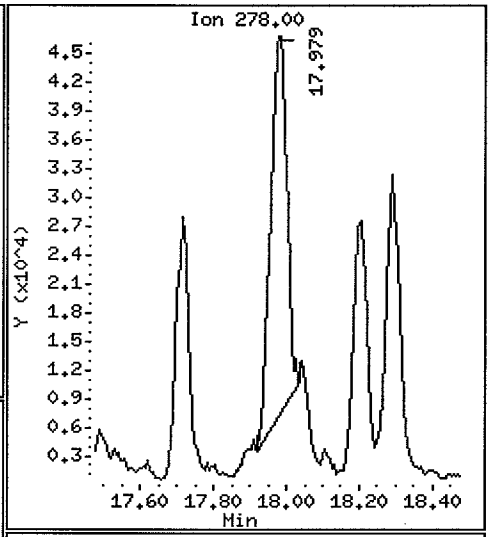
Column phase: ZB-5

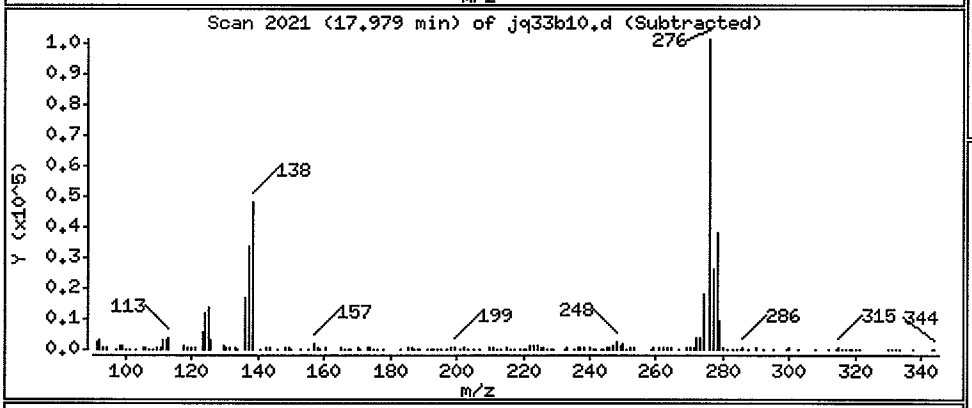
Column diameter: 0.25

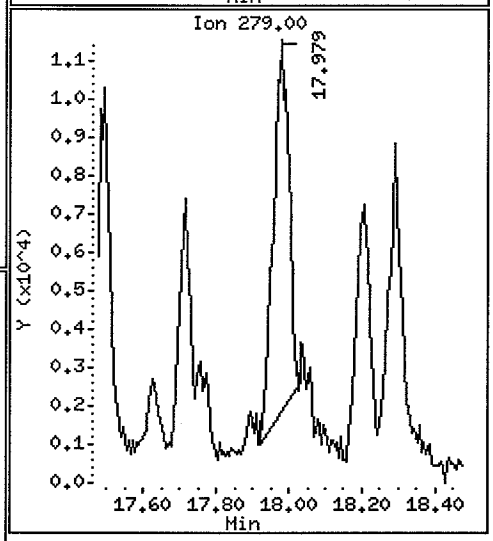
34 Dibenz(a,h)anthracene

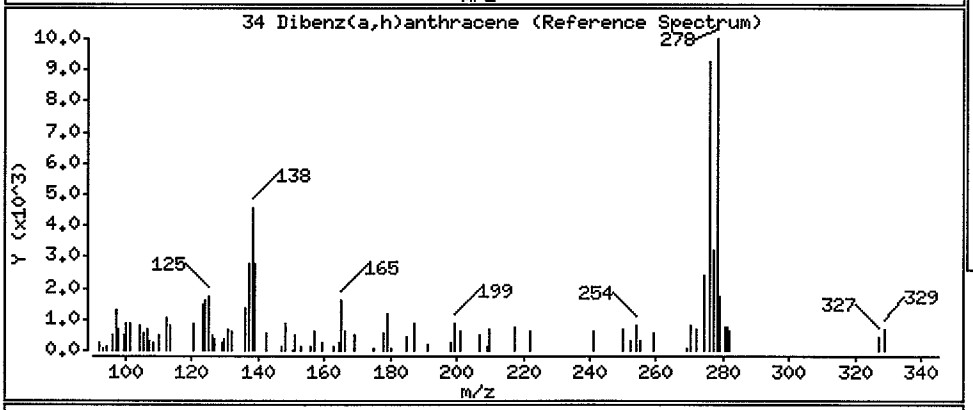
Concentration: 543.9 ug/kg

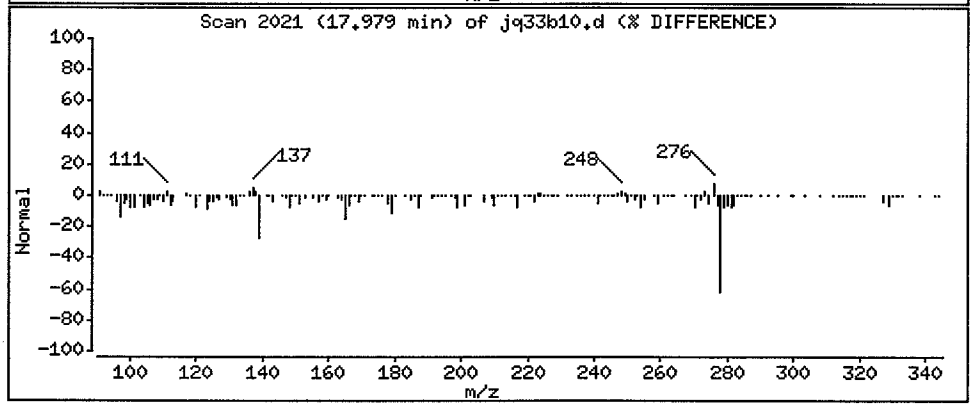












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

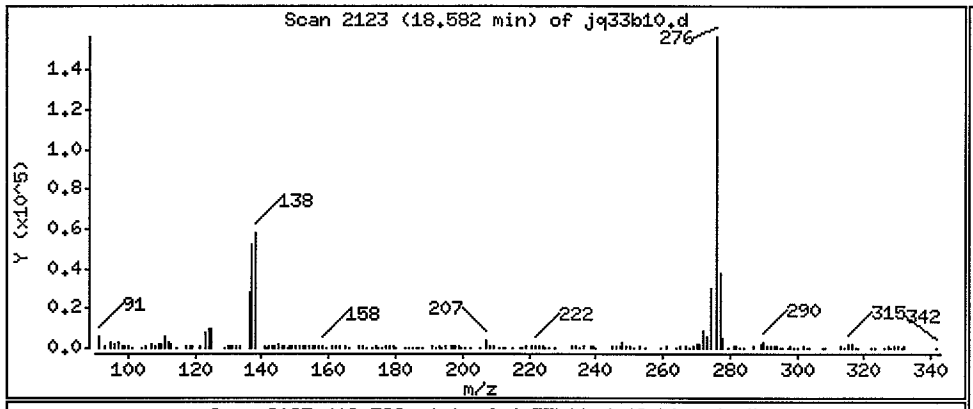
Operator: VTS

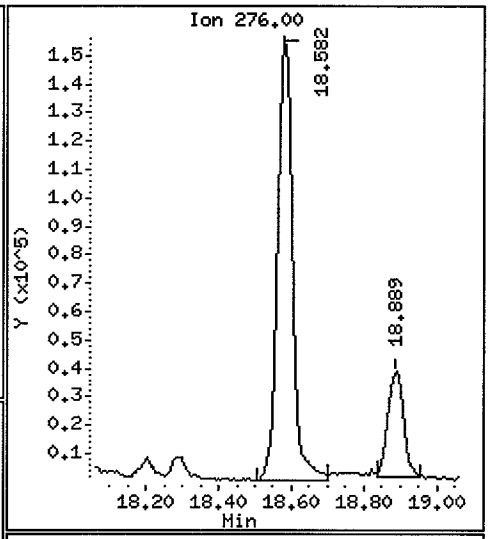
Column phase: ZB-5

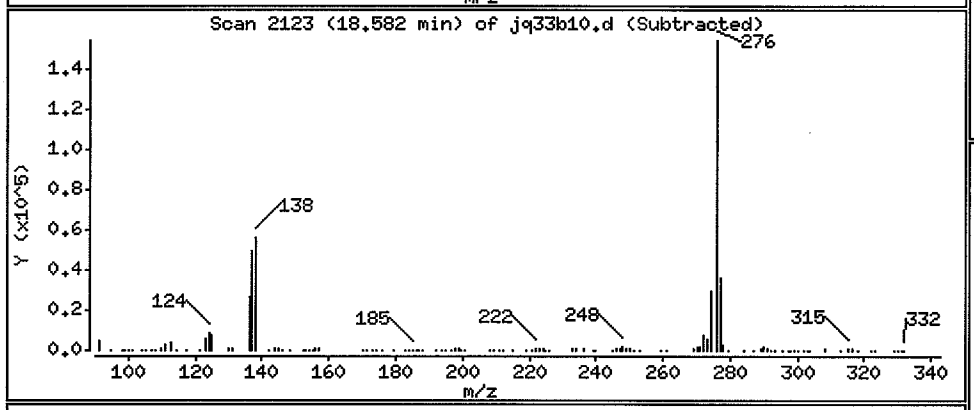
Column diameter: 0.25

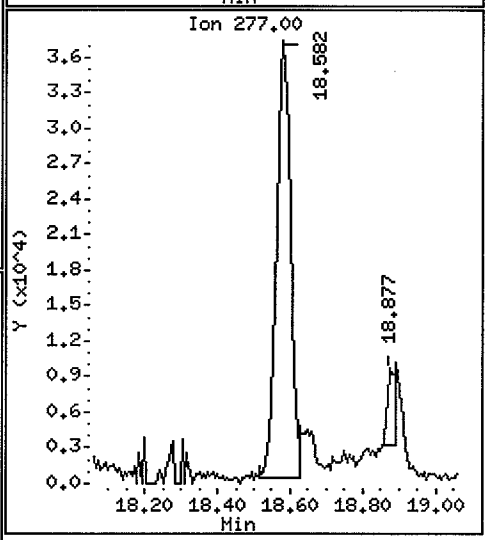
35 Benzo(g,h,i)perylene

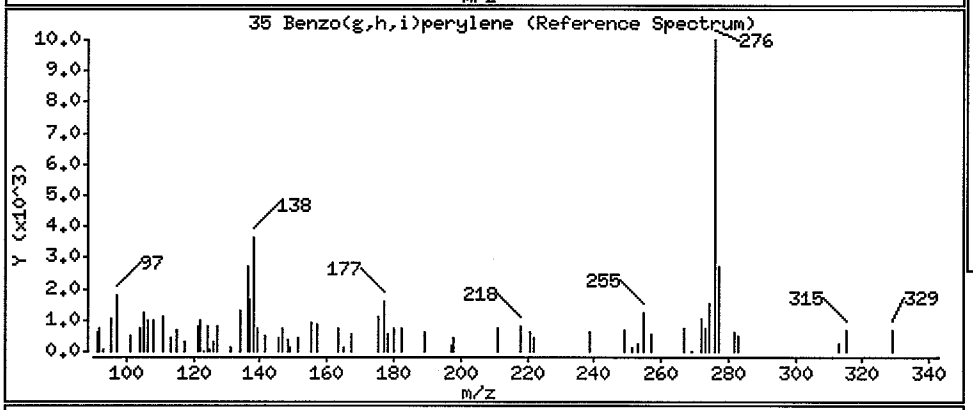
Concentration: 1896 ug/kg

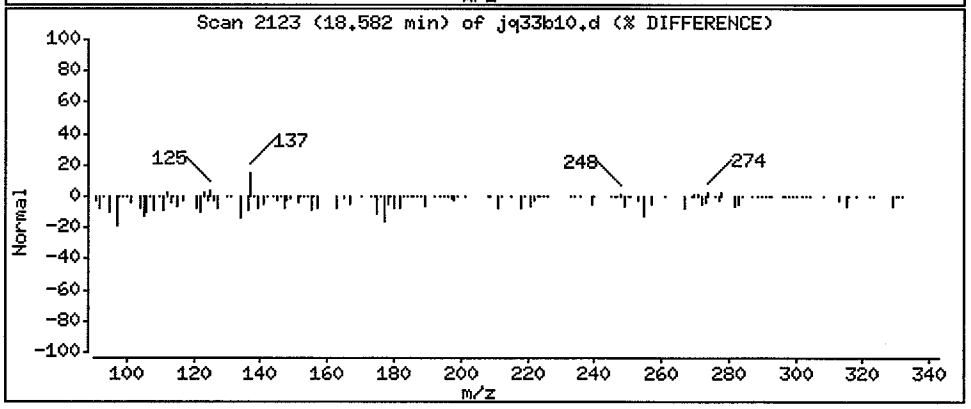












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

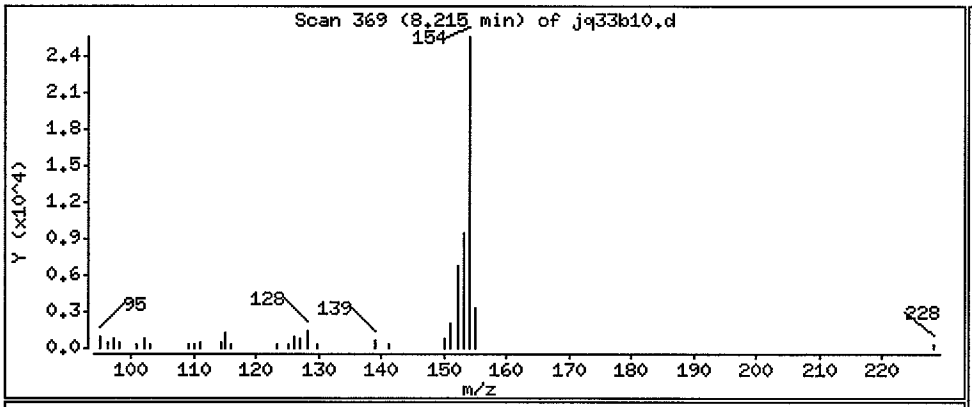
Operator: VTS

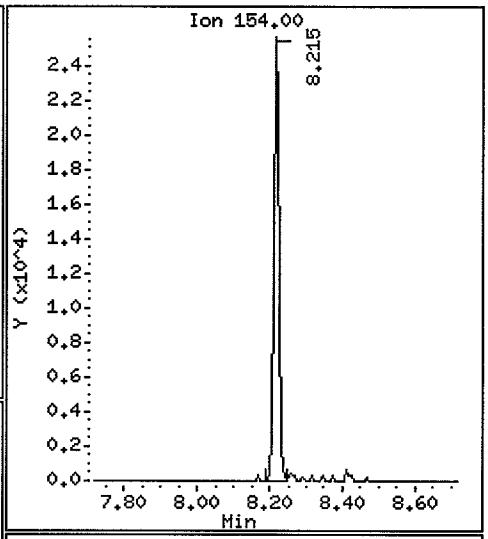
Column phase: ZB-5

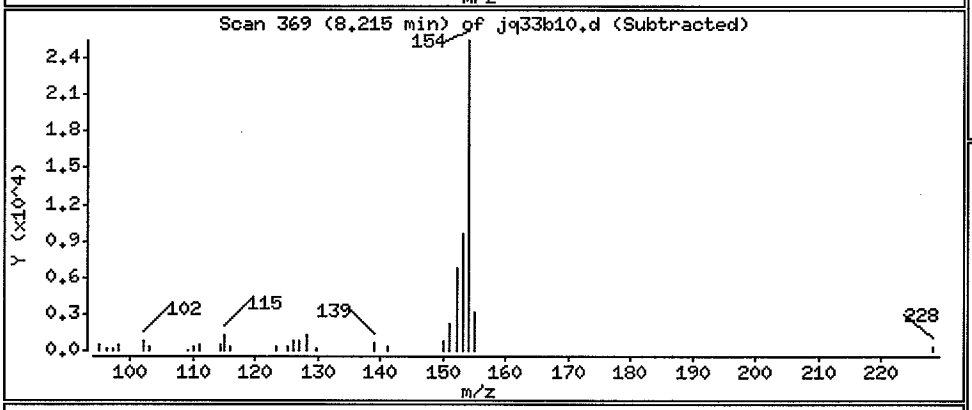
Column diameter: 0.25

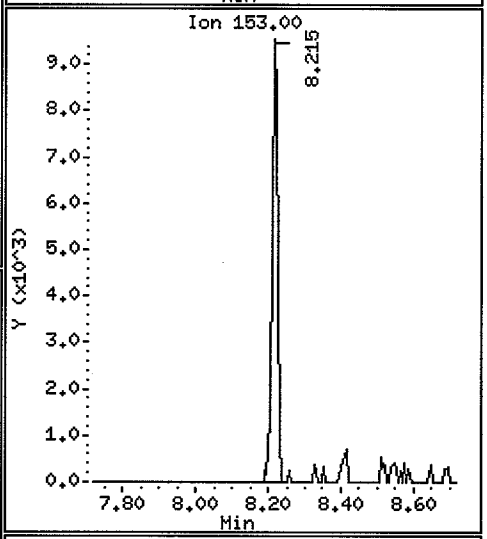
48 Biphenyl

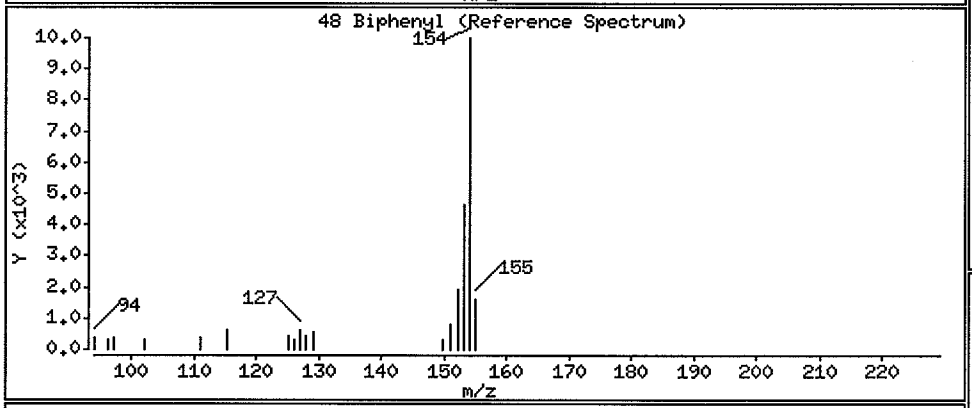
Concentration: 155.1 ug/kg

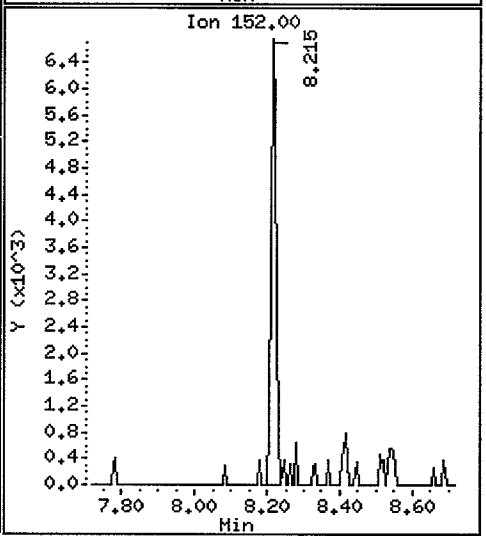


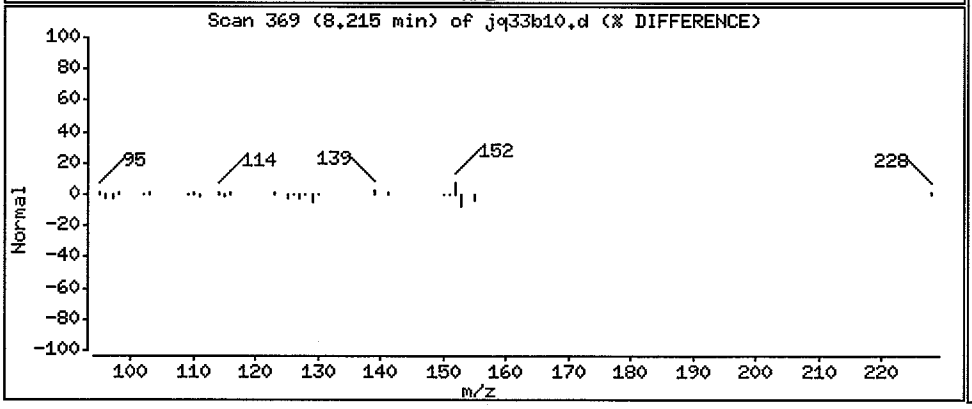












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

Operator: VTS

Column phase: ZB-5

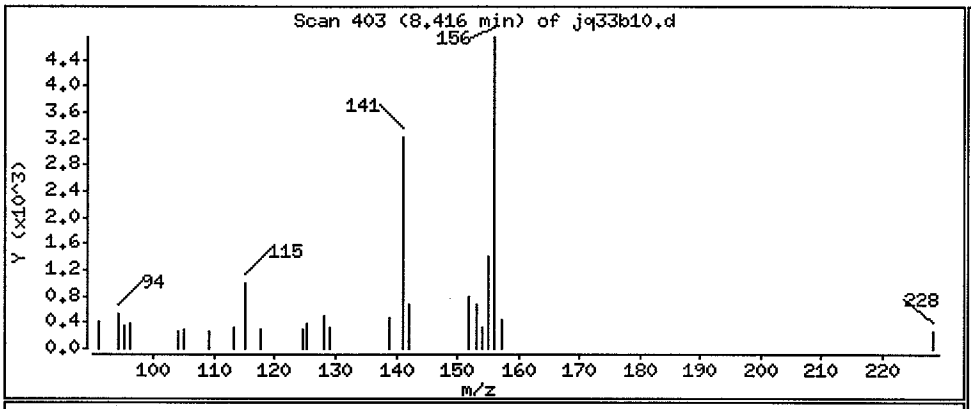
Column diameter: 0.25

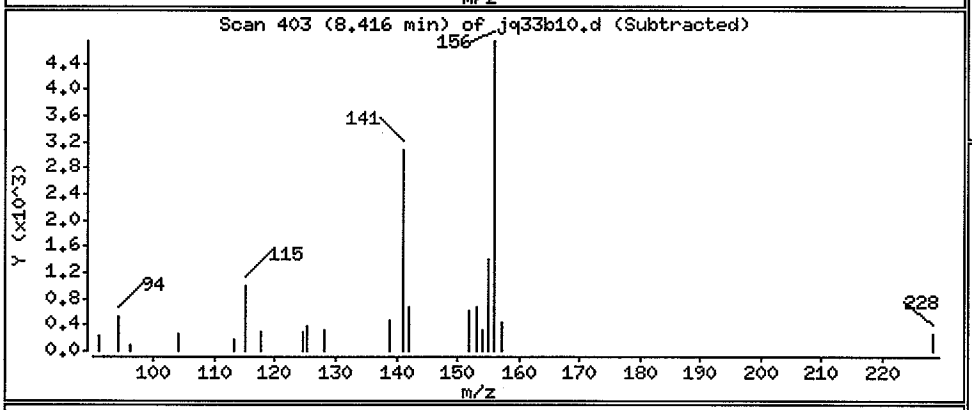
J NOT Reported

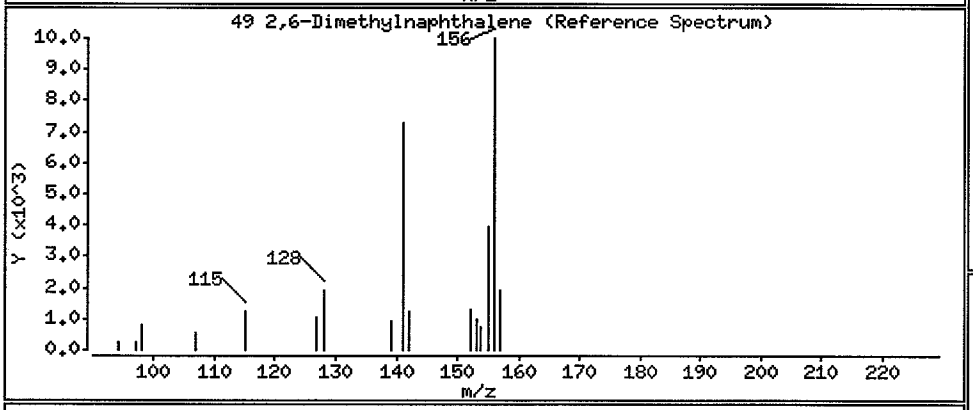
LRL BMB 8/8/06

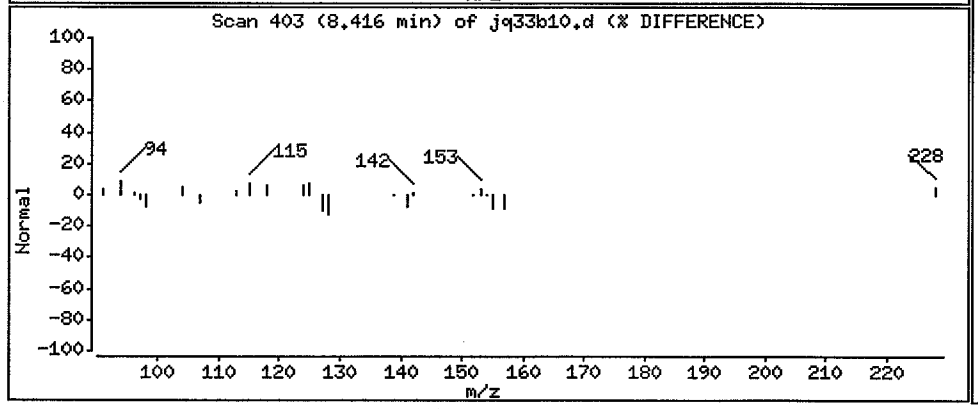
49 2,6-Dimethylnaphthalene

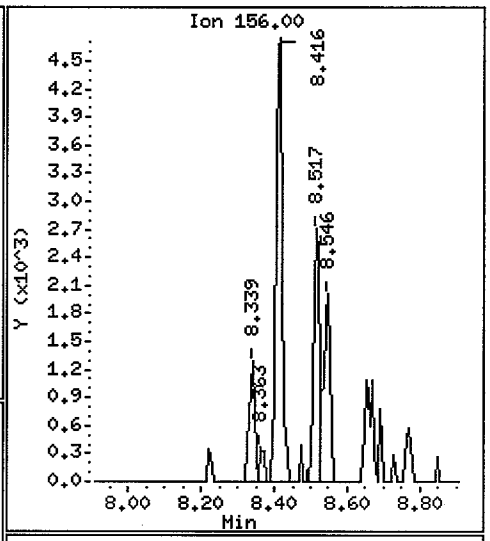
Concentration: 45.39 ug/kg

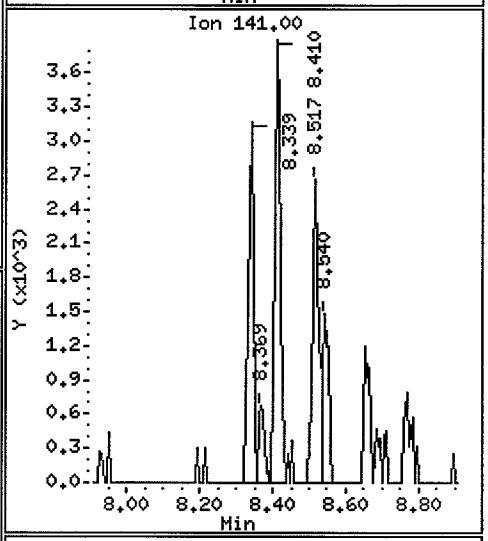


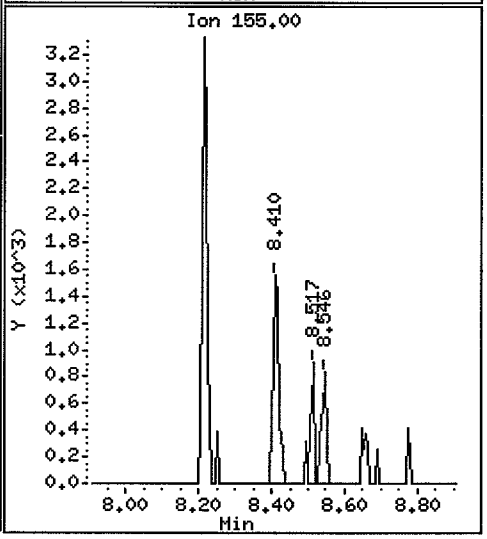












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

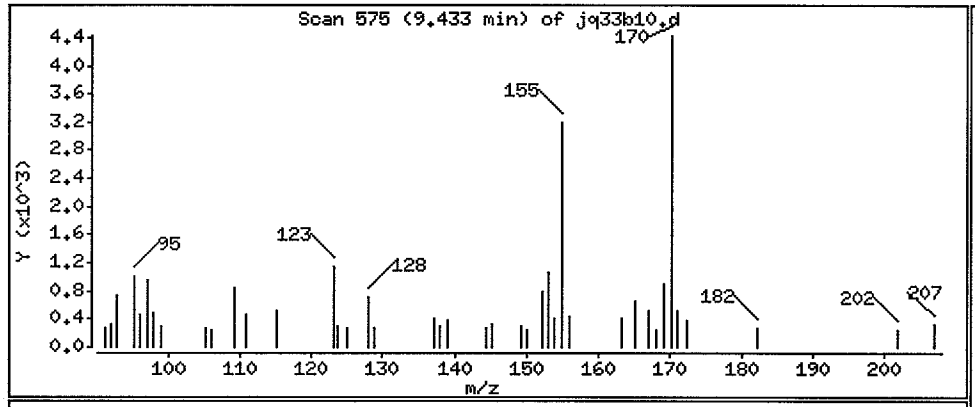
Operator: VTS

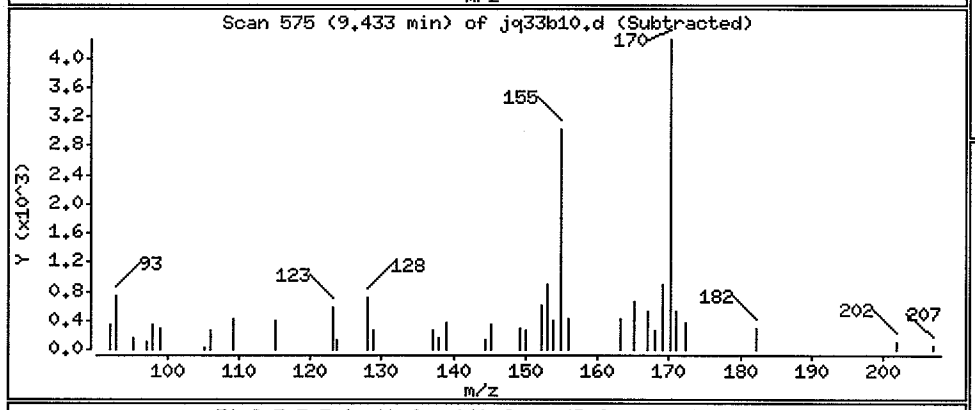
Column phase: ZB-5

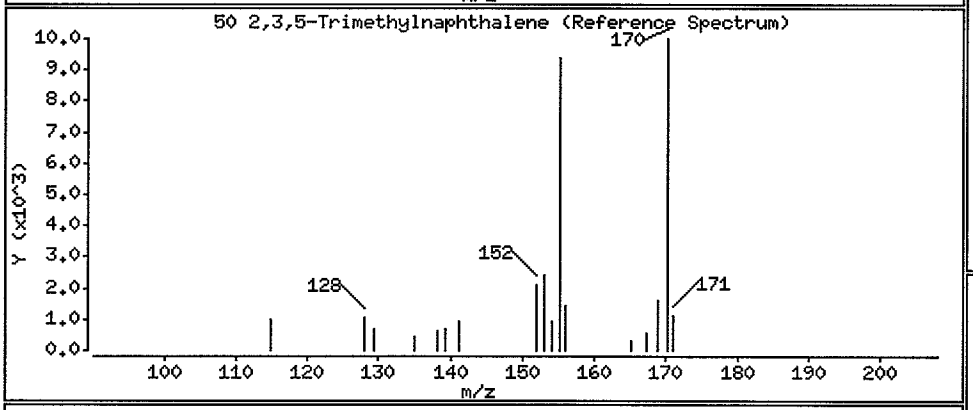
Column diameter: 0.25

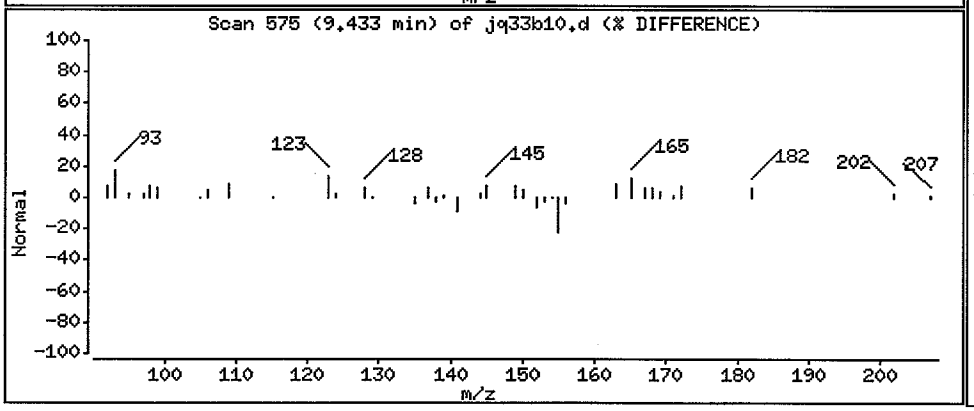
50 2,3,5-Trimethylnaphthalene

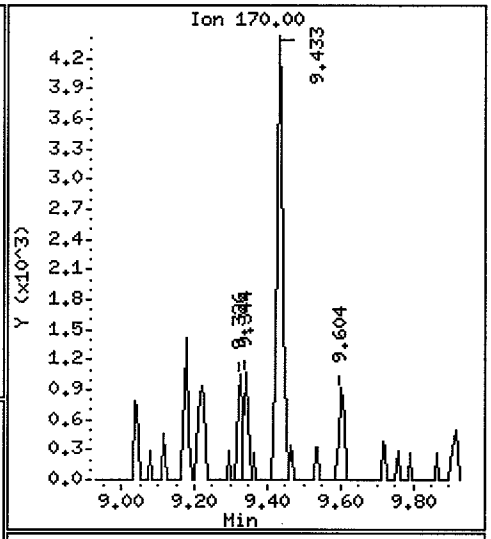
Concentration: 48.41 ug/kg

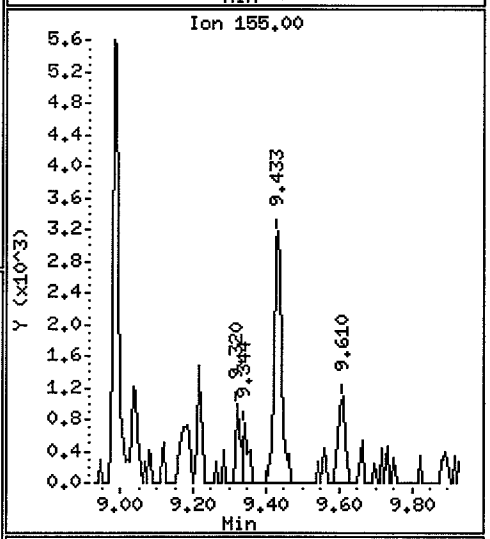


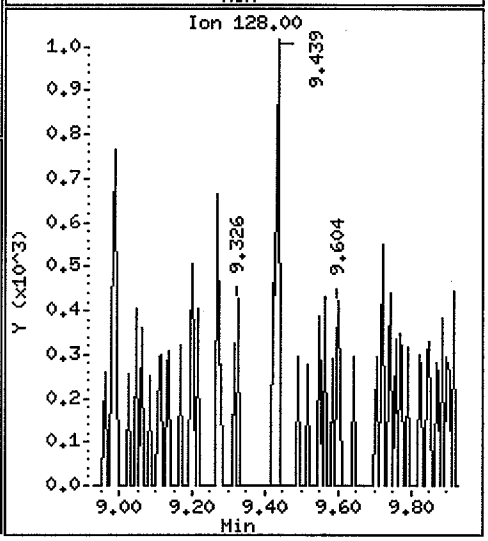












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

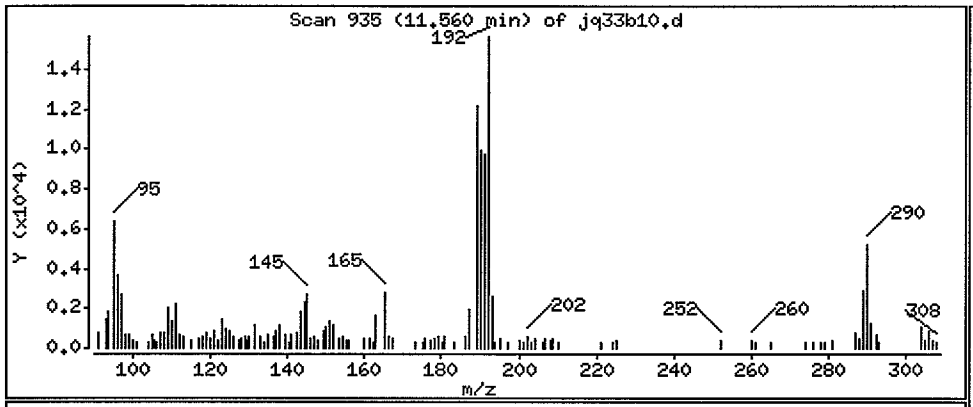
Operator: VTS

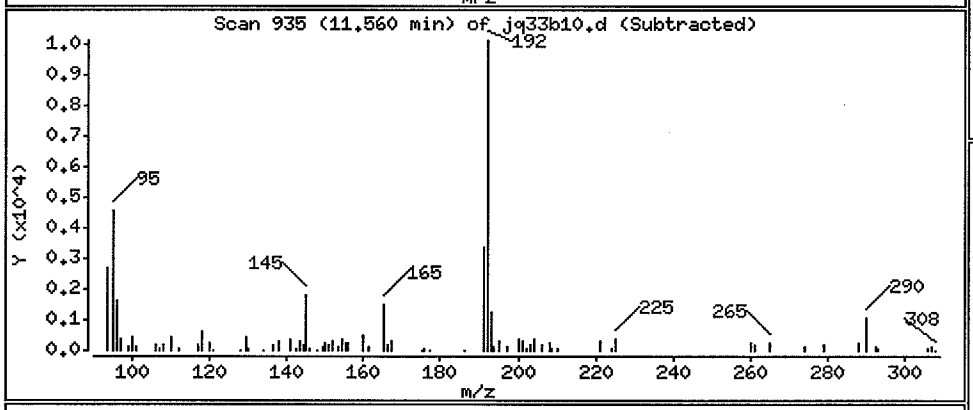
Column phase: ZB-5

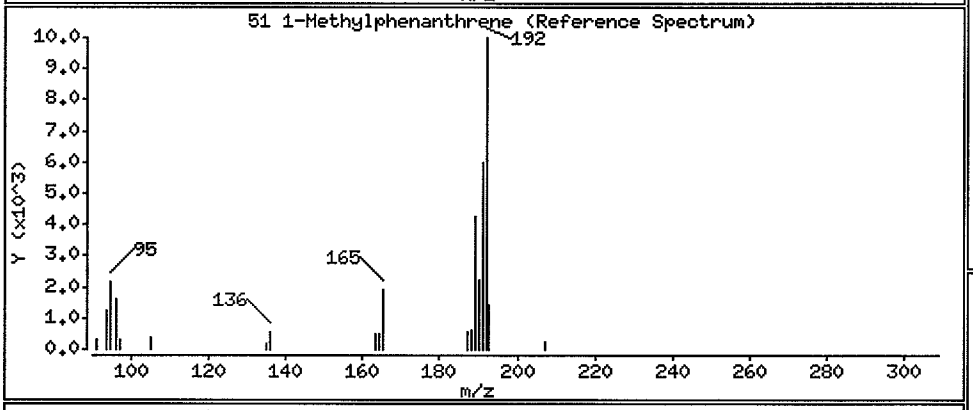
Column diameter: 0.25

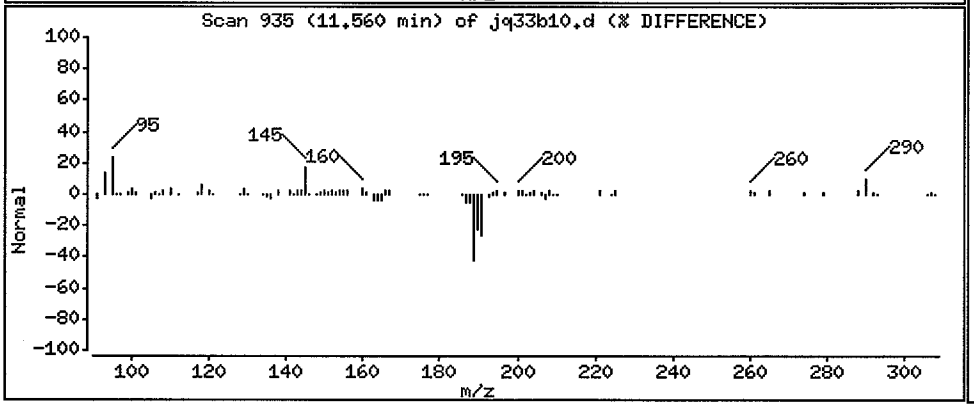
51 1-Methylphenanthrene

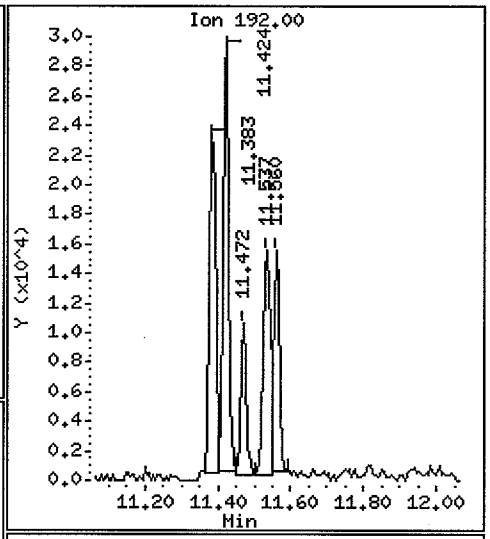
Concentration: 106.5 ug/kg

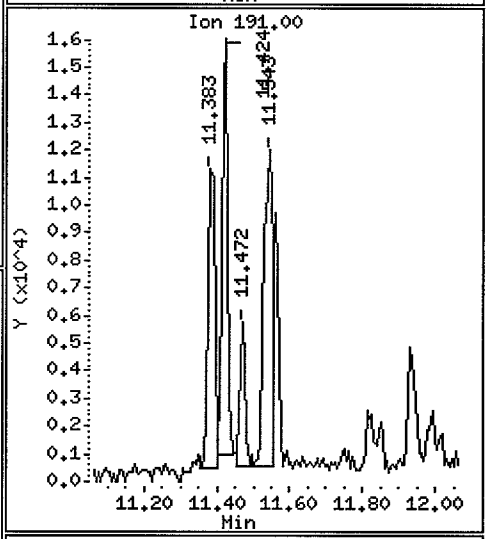


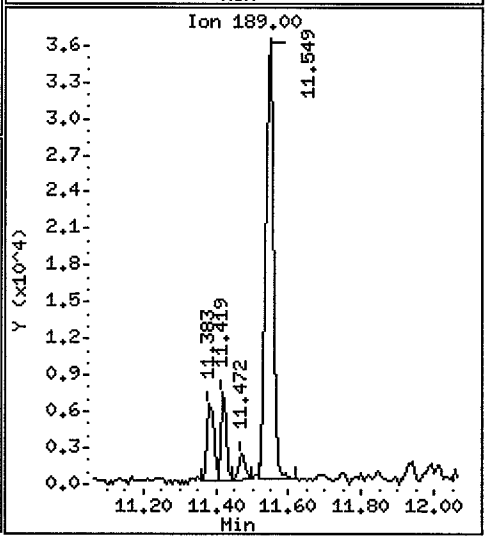












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

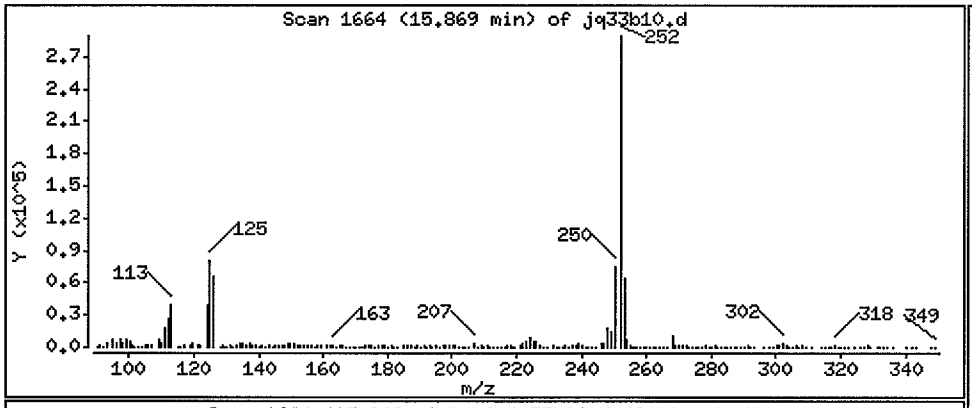
Operator: VTS

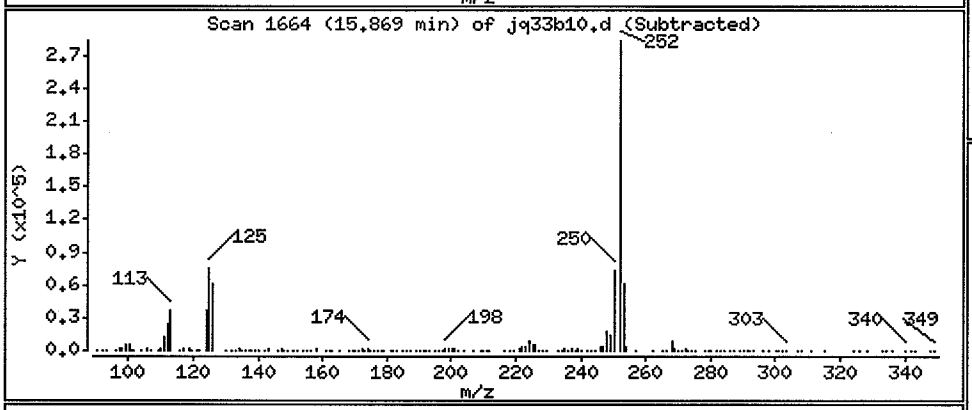
Column phase: ZB-5

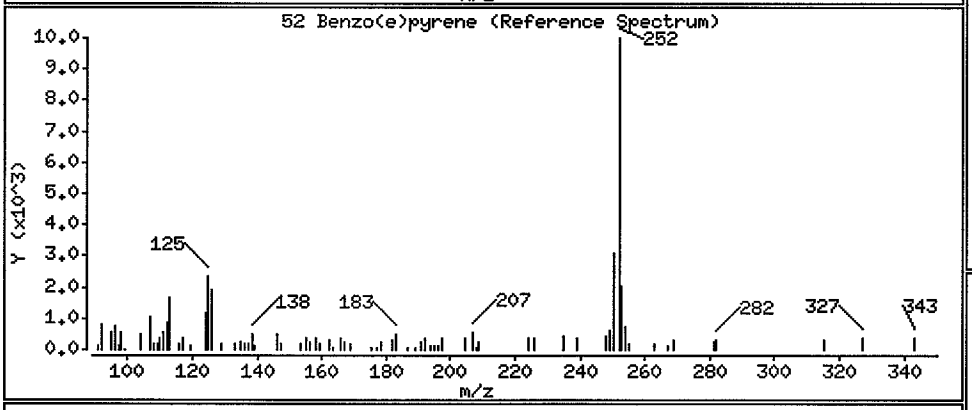
Column diameter: 0.25

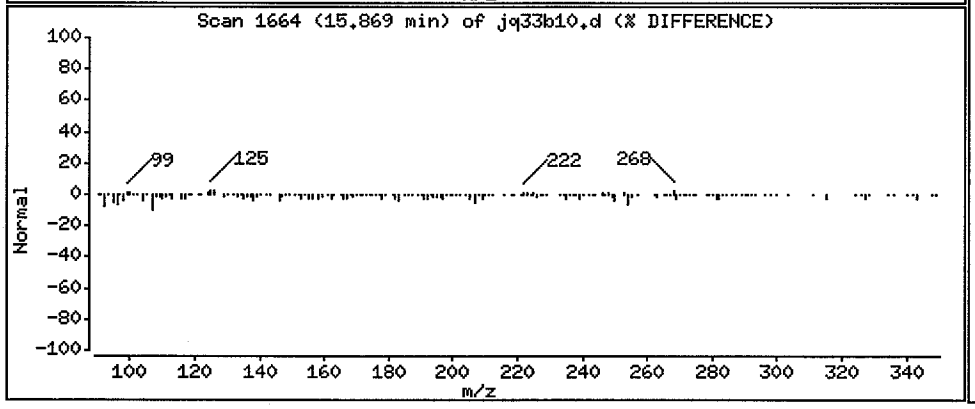
52 Benzo(e)pyrene

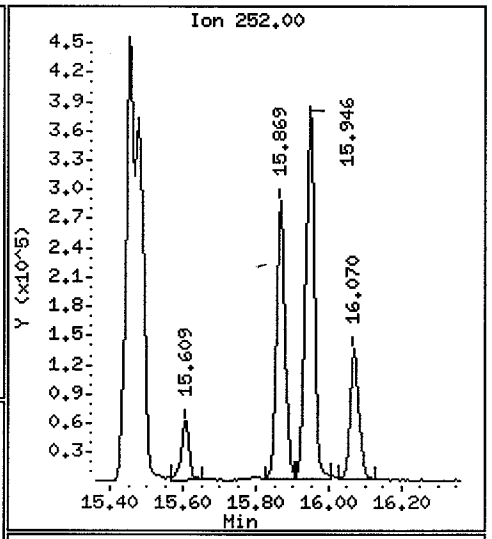
Concentration: 1758 ug/kg

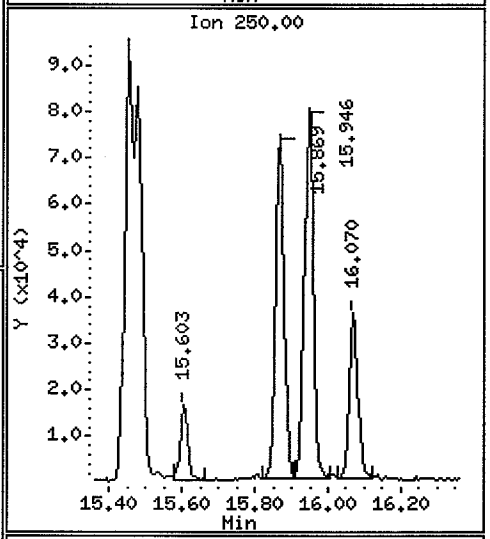


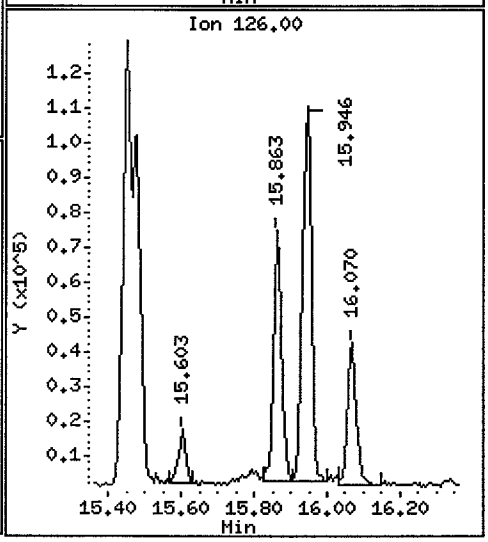












Data File: /chem3/nt1.i/20060804.b/jq33b10.d

Date : 04-AUG-2006 15:47

Client ID: T4-B414-01-B

Instrument: nt1.i

Sample Info: JQ33B,10

Volume Injected (uL): 1.0

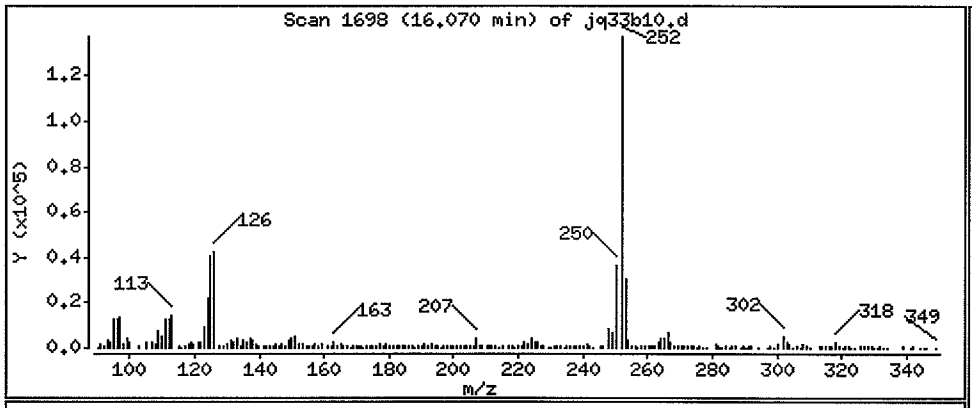
Operator: VTS

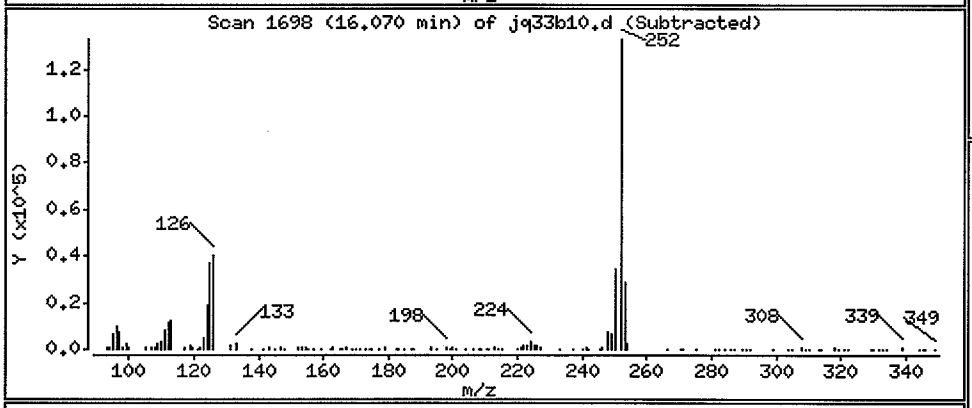
Column phase: ZB-5

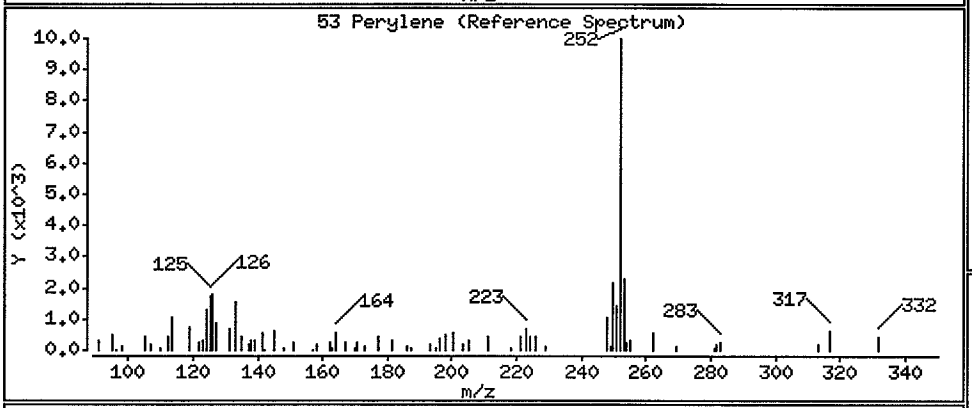
Column diameter: 0.25

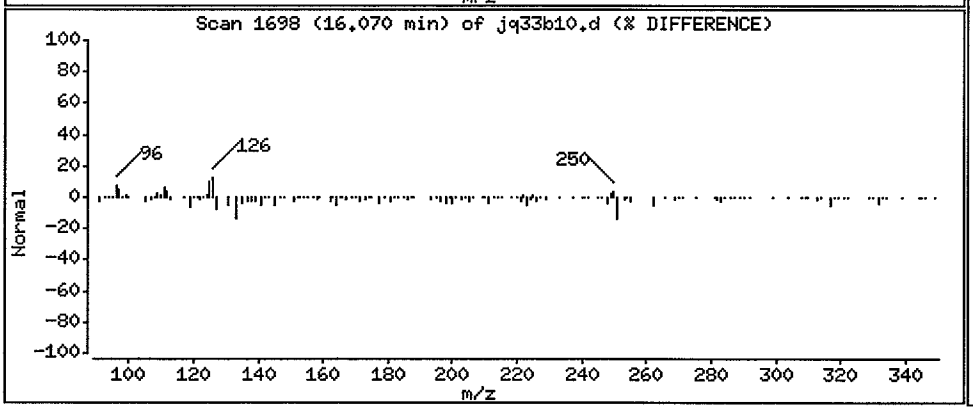
53 Perylene

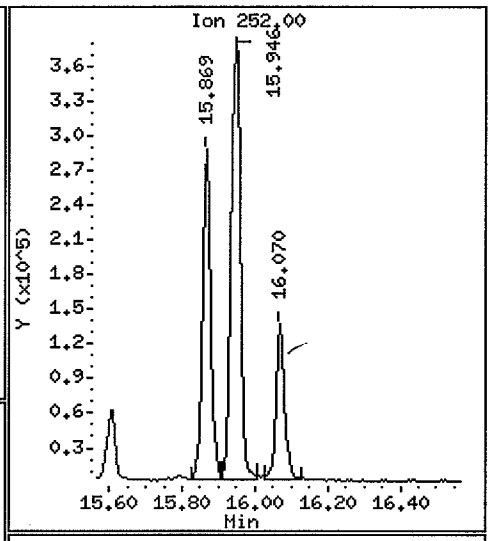
Concentration: 891.6 ug/kg

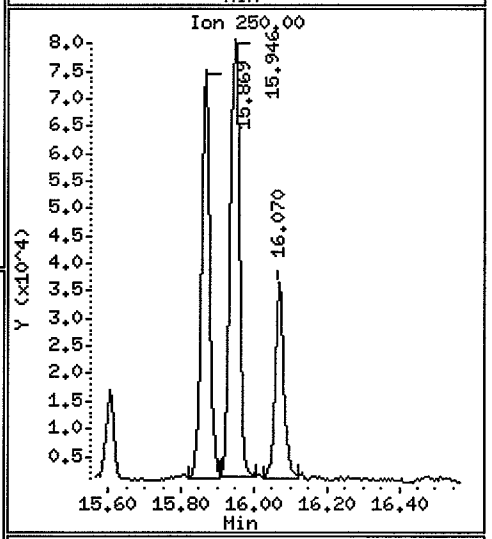


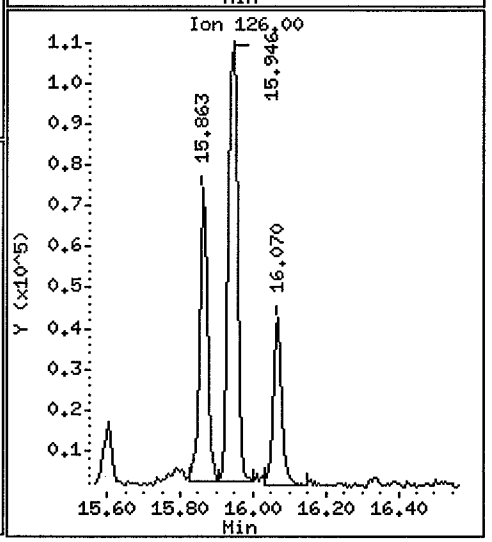












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-01-C
SAMPLE

Lab Sample ID: JQ33C
LIMS ID: 06-12925
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 16:12
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 46.4%
pH: 7.1

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	**49**	**39**	**J**
91-57-6	**2-Methylnaphthalene**	**49**	**34**	**J**
90-12-0	1-Methylnaphthalene	49	< 49	U
208-96-8	Acenaphthylene	49	< 49	U
83-32-9	**Acenaphthene**	**49**	**130**	
86-73-7	**Fluorene**	**49**	**100**	
85-01-8	**Phenanthrene**	**49**	**720**	**B**
120-12-7	**Anthracene**	**49**	**130**	
206-44-0	**Fluoranthene**	**49**	**1,400**	
129-00-0	**Pyrene**	**49**	**1,200**	
56-55-3	**Benzo(a)anthracene**	**49**	**720**	
218-01-9	**Chrysene**	**49**	**1,000**	
205-99-2	**Benzo(b)fluoranthene**	**49**	**1,100**	
207-08-9	**Benzo(k)fluoranthene**	**49**	**850**	
50-32-8	**Benzo(a)pyrene**	**49**	**890**	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**49**	**570**	
53-70-3	**Dibenz(a,h)anthracene**	**49**	**220**	
191-24-2	**Benzo(g,h,i)perylene**	**49**	**660**	
198-55-0	**Perylene**	**49**	**510**	
92-52-4	**Biphenyl**	**49**	**150**	
581-42-0	2,6-Dimethylnaphthalene	49	< 49	U
832-69-9	**1-Methylphenanthrene**	**49**	**64**	
192-97-2	**Benzo(e)pyrene**	**49**	**640**	
2245-38-7	2,3,5-Trimethylnaphthalene	49	< 49	U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	55.0%
d14-Dibenzo(a,h)anthracen	71.7%

JZ 8/7/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33c10.d
Lab Smp Id: JQ33C Client Smp ID: T4-B414-01-C
Inj Date : 04-AUG-2006 16:12
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33C,10
Misc Info : 06-12925
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 15
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	19.00000	Weight of sample extracted (g)
M	46.40000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.883	6.883	(1.000)	251304	2.00000	
	2 Naphthalene	128	6.907	6.907	(1.003)	10338	0.08247	40.49
$	3 2-Methylnaphthalene-d10	152	7.640	7.640	(1.110)	10708	0.16543	81.22
	4 2-Methylnaphthalene	142	7.675	7.681	(1.115)	5064	0.06822 J	33.49
	5 1-Methylnaphthalene	142	Compound Not Detected.					
	7 Acenaphthylene	152	Compound Not Detected.					
*	8 Acenaphthene-d10	164	8.946	8.946	(1.000)	136383	2.00000	
	9 Acenaphthene	153	8.987	8.987	(1.005)	18361	0.27418	134.6
	10 Dibenzofuran	168	9.177	9.170	(1.026)	8470	0.08587 J	42.16
	11 Fluorene	166	9.596	9.596	(1.073)	15922	0.20735	101.8
*	15 Phenanthrene-d10	188	10.760	10.760	(1.000)	218514	2.00000	
	16 Phenanthrene	178	10.790	10.790	(1.003)	166220	1.48199 B	727.6
	17 Anthracene	178	10.843	10.843	(1.008)	30218	0.26960	132.4
	19 Fluoranthene	202	12.285	12.279	(1.142)	338576	2.95958	1453

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	20 Pyrene	202	12.569	12.569	(0.893)	305852	2.36678	1162
	22 Benzo(a)anthracene	228	14.052	14.052	(0.998)	177405	1.46387	718.7
*	23 Chrysene-d12	240	14.076	14.070	(1.000)	201248	2.00000	
	24 Chrysene	228	14.106	14.105	(1.002)	231329	2.06952	1016
	28 Benzo(b)fluoranthene	252	15.453	15.447	(0.964)	259306	2.21905	1089
	29 Benzo(k)fluoranthene	252	15.477	15.476	(0.965)	215156	1.72707	847.9(M)
	30 Benzo(a)pyrene	252	15.944	15.938	(0.994)	206503	1.81360	890.4
*	31 Perylene-d12	264	16.032	16.026	(1.000)	207051	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.994	17.988	(1.122)	152329	1.16332	571.2
$	32 Dibenz(a,h)anthrancene-d14	292	17.912	17.906	(1.117)	17002	0.21457	105.3
	34 Dibenz(a,h)anthracene	278	17.977	17.976	(1.121)	49314	0.46100	226.3
	35 Benzo(g,h,i)perylene	276	18.574	18.562	(1.159)	145971	1.34106	658.4
	48 Biphenyl	154	8.219	8.219	(0.919)	26511	0.31462	154.5
	49 2,6-Dimethylnaphthalene	156	8.414	8.408	(0.941)	4705	0.07089 J	34.81
	50 2,3,5-Trimethylnaphthalene	170	9.437	9.430	(1.055)	4974	0.09150 J	44.92
	51 1-Methylphenanthrene	192	11.564	11.564	(0.822)	10916	0.13251	65.06
	52 Benzo(e)pyrene	252	15.867	15.861	(0.990)	163863	1.30011	638.3
	53 Perylene	252	16.068	16.068	(1.002)	123512	1.04370	512.4

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33c10.d
Lab Smp Id: JQ33C
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12925

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: T4-B414-01-C
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	251304	12.79
8 Acenaphthene-d10	123591	61796	247182	136383	10.35
15 Phenanthrene-d10	200797	100398	401594	218514	8.82
23 Chrysene-d12	171210	85605	342420	201248	17.54
31 Perylene-d12	183426	91713	366852	207051	12.88

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.02
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.01
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.01
23 Chrysene-d12	14.08	13.58	14.58	14.08	-0.01
31 Perylene-d12	16.03	15.53	16.53	16.03	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

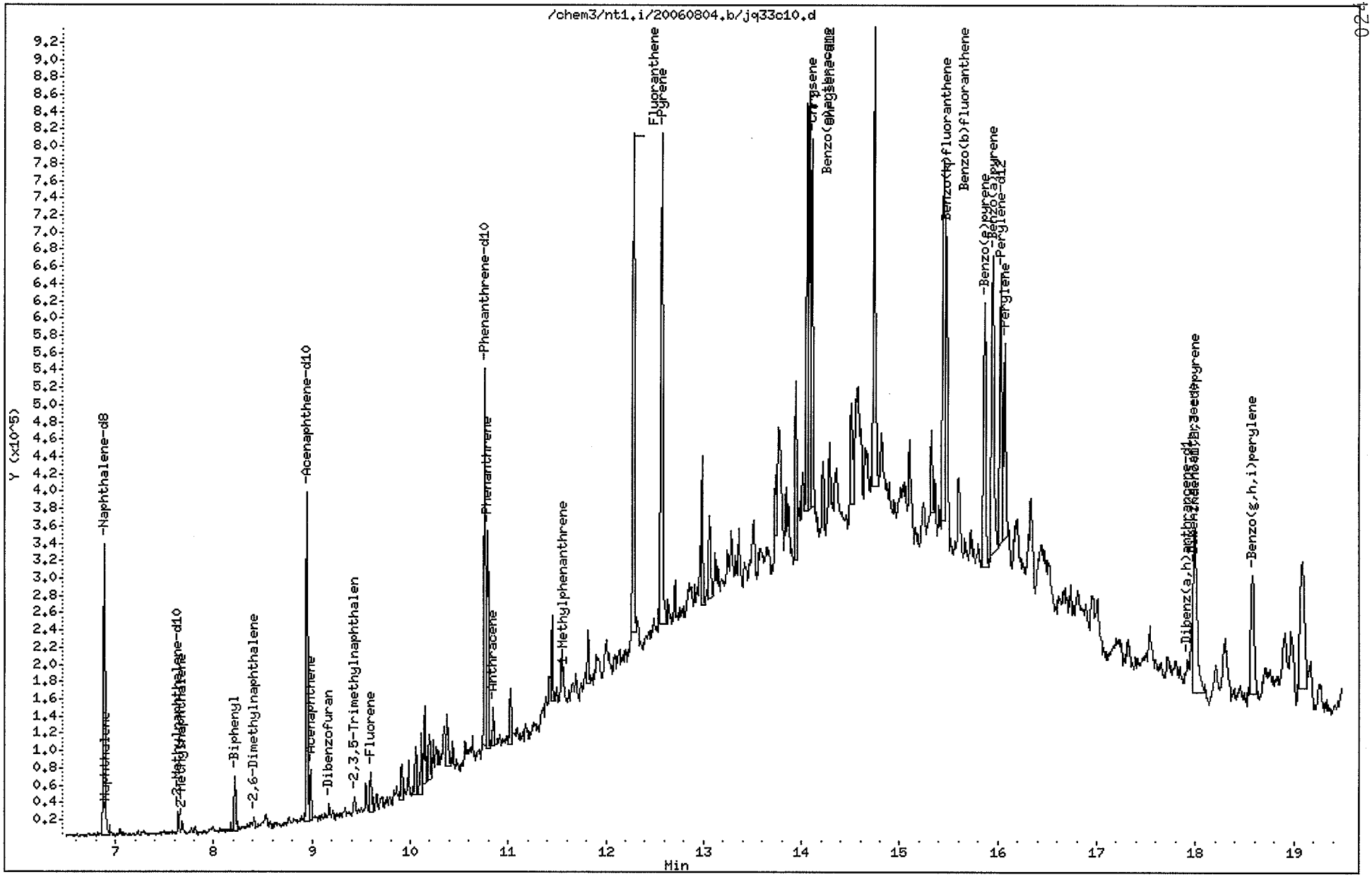
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33C
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12925

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-01-C
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	147.3	81.22	55.14	32-97
$ 32 Dibenz(a,h)anthran	147.3	105.3	71.52	21-105

Data File: /chem3/nt1.i/20060804.b/jq33c10.d
Date : 04-AUG-2006 16:12
Client ID: T4-B414-01-C
Sample Info: JQ33C,10
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

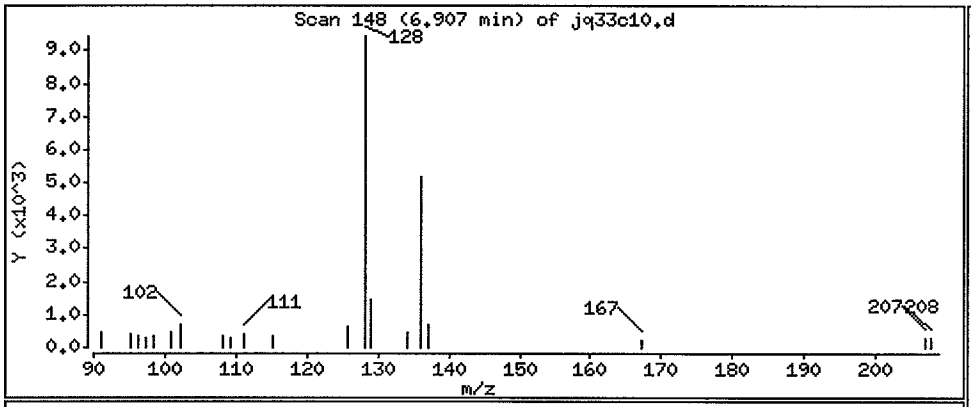
Operator: VTS

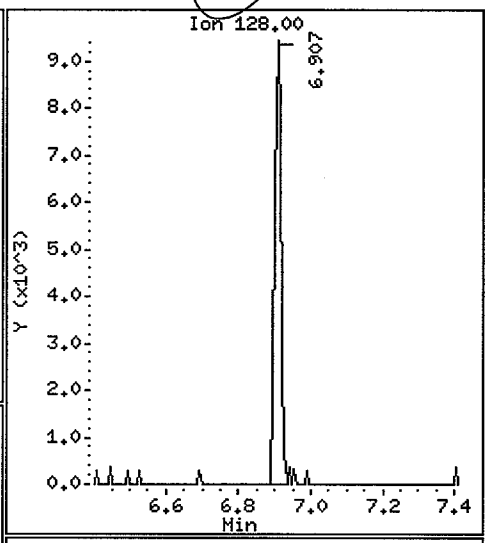
Column phase: ZB-5

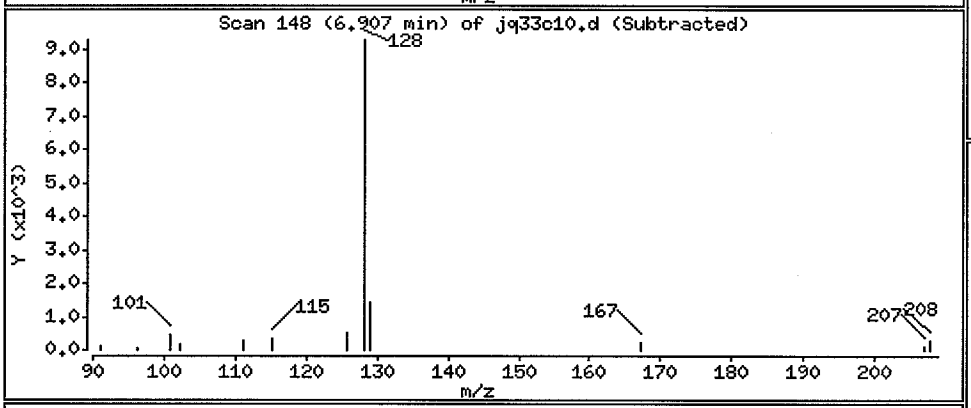
Column diameter: 0.25

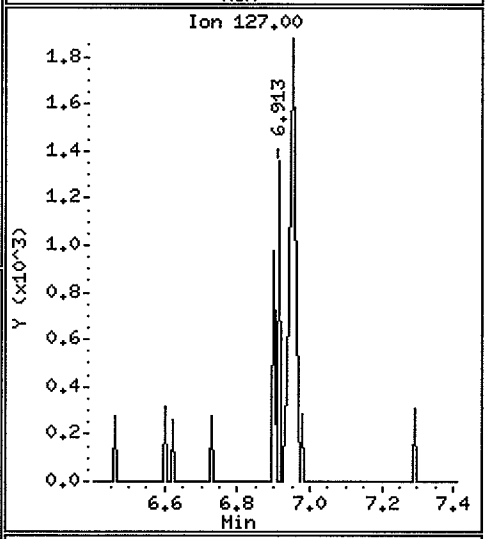
2 Naphthalene

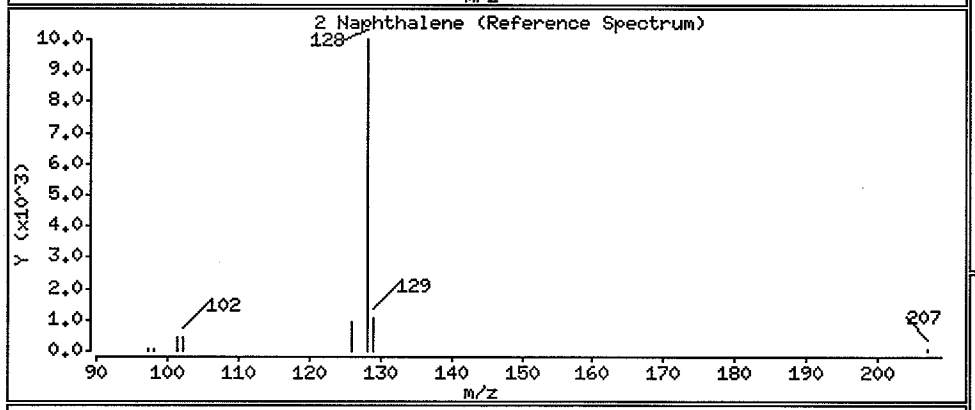
Concentration: 40.49 ug/kg

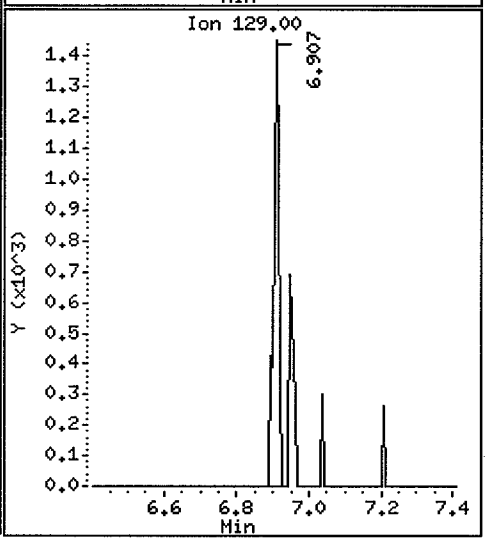


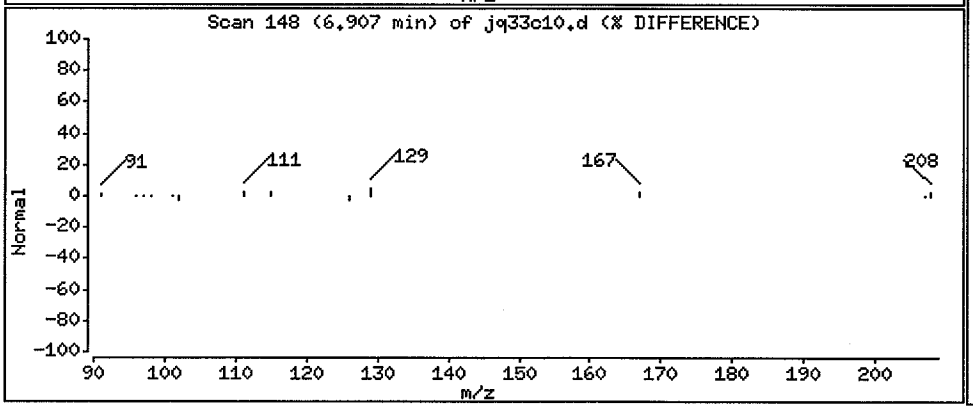












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

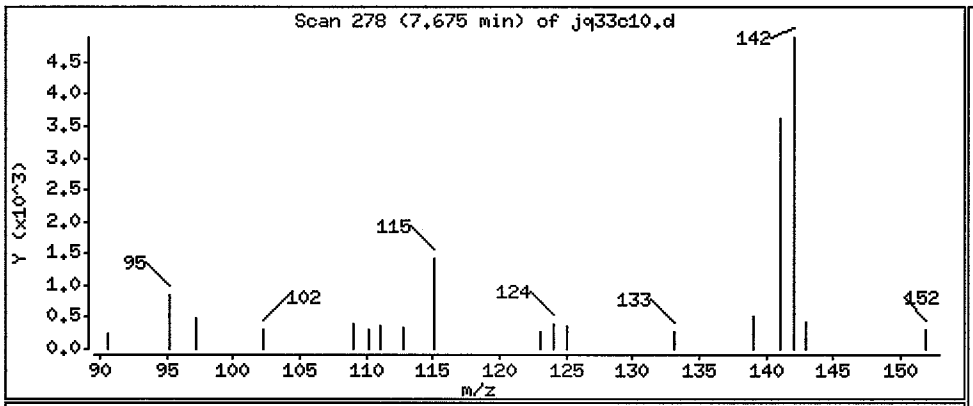
Operator: VTS

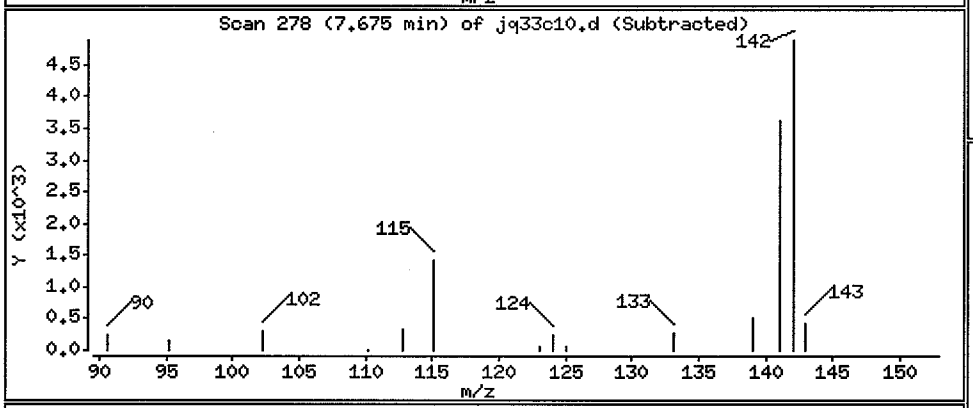
Column phase: ZB-5

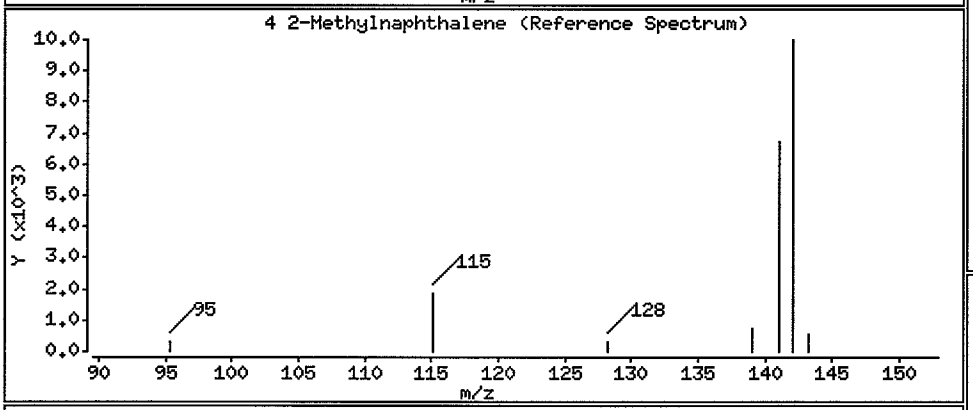
Column diameter: 0.25

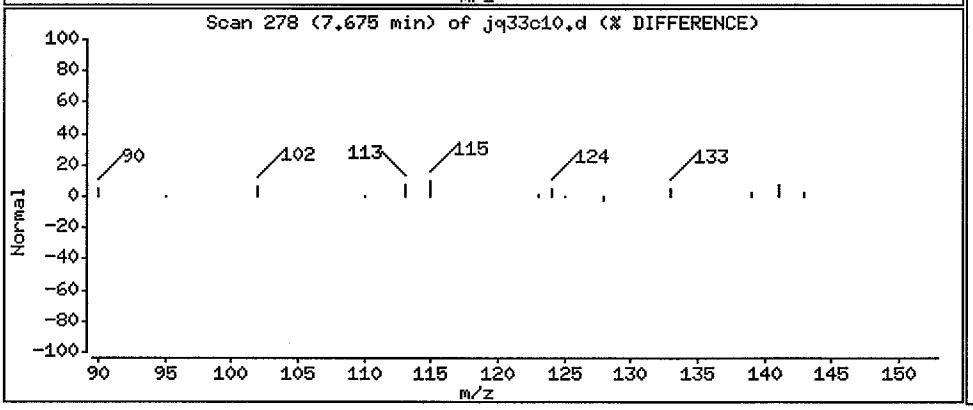
4 2-Methylnaphthalene

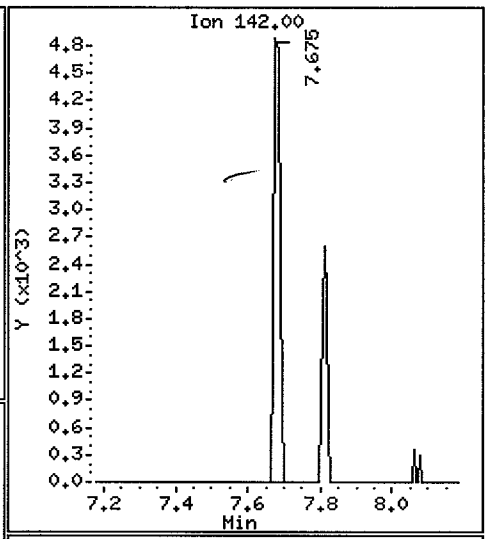
Concentration: 33.49 ug/kg

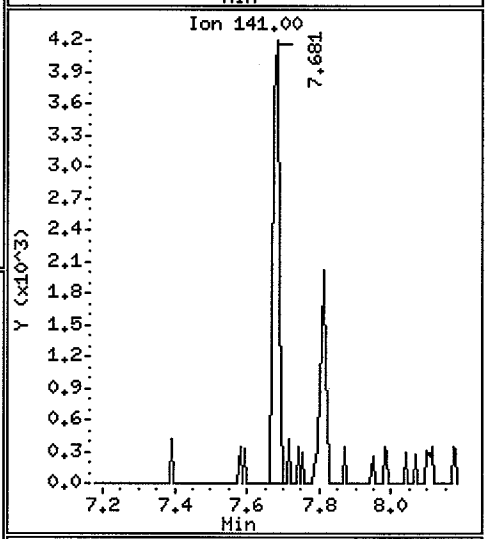


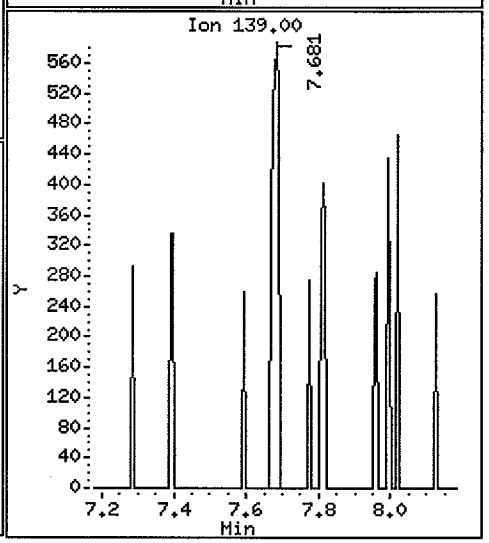












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

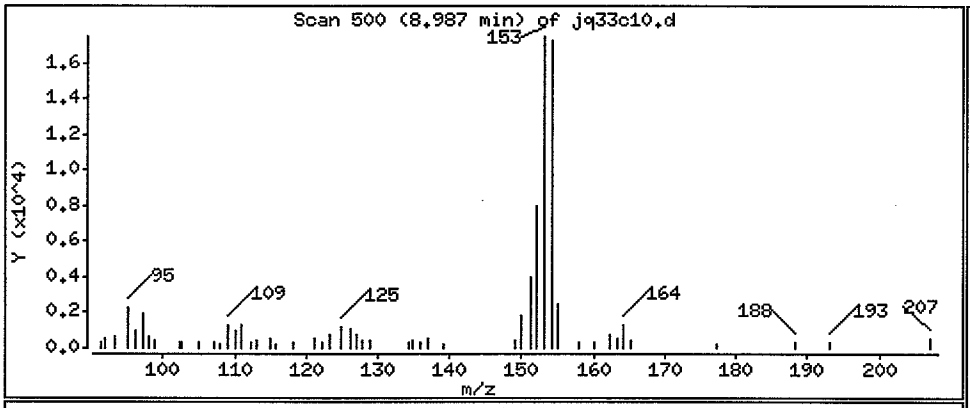
Operator: VTS

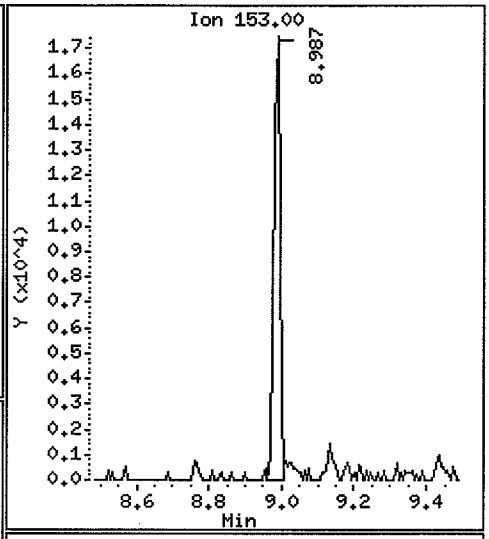
Column phase: ZB-5

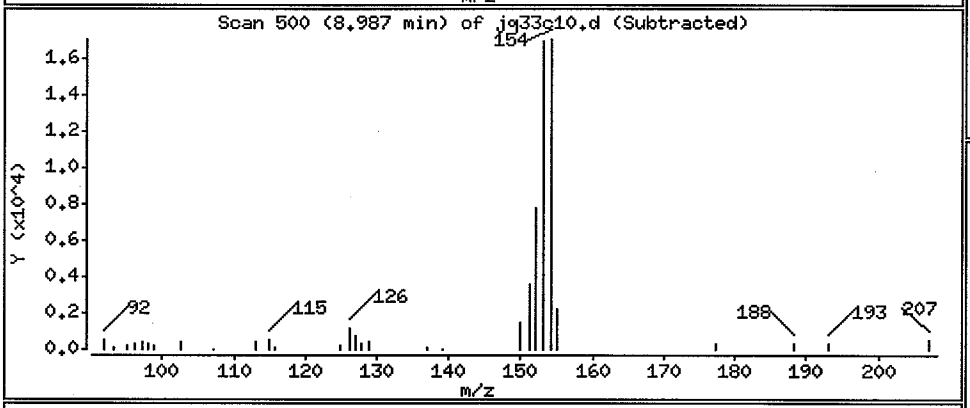
Column diameter: 0.25

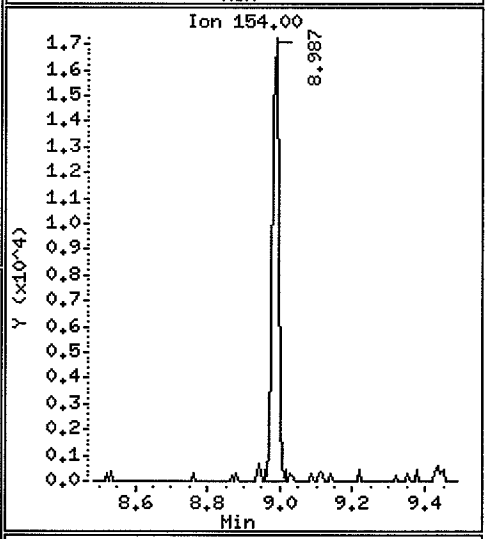
9 Acenaphthene

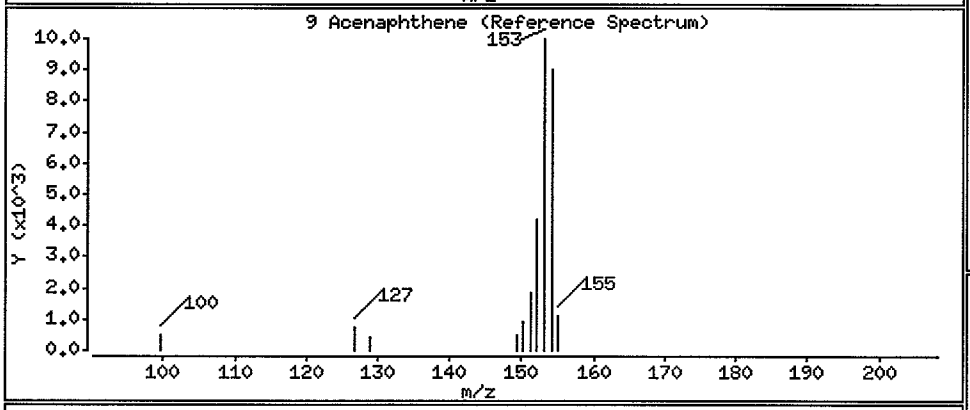
Concentration: 134.6 ug/kg

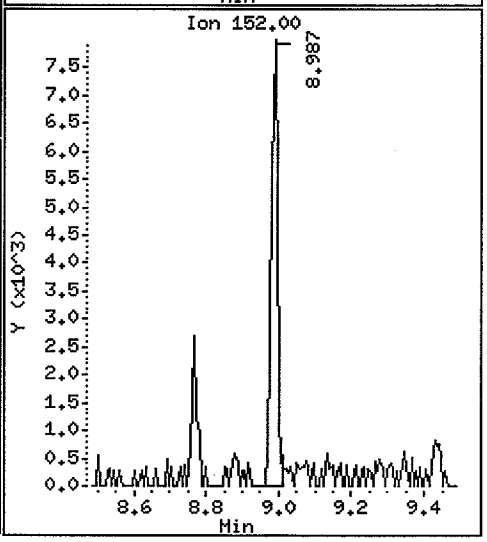


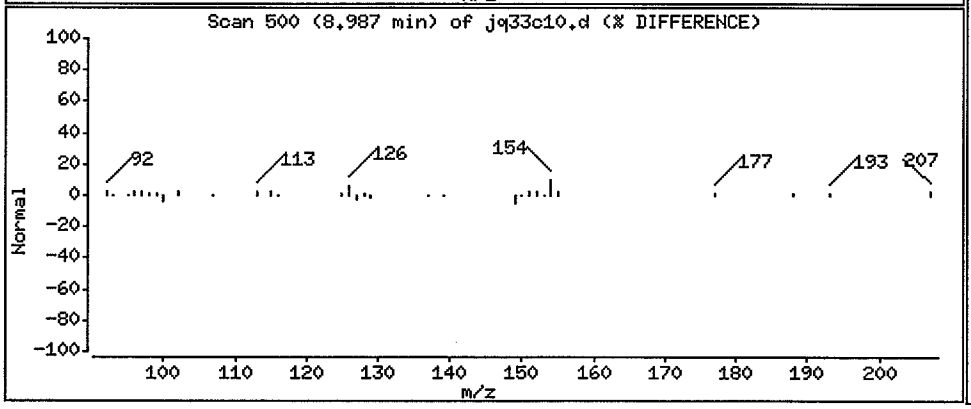












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

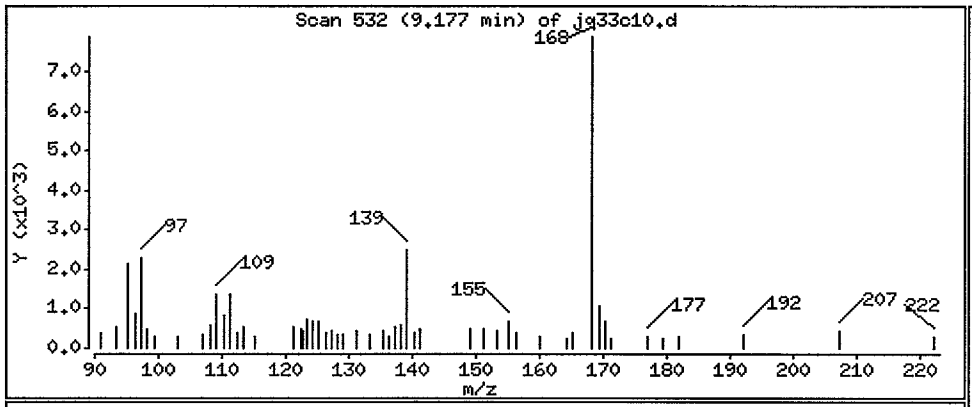
Operator: VTS

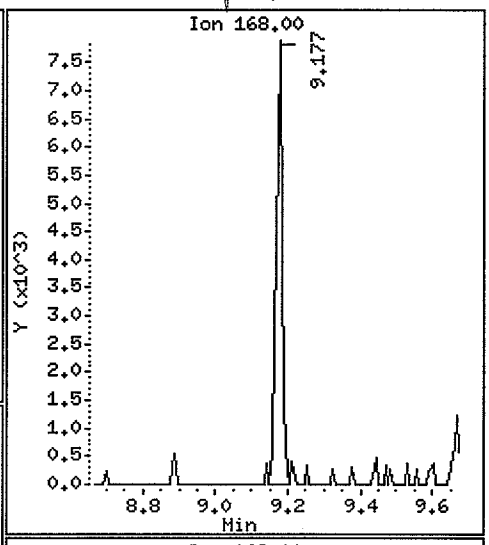
Column phase: ZB-5

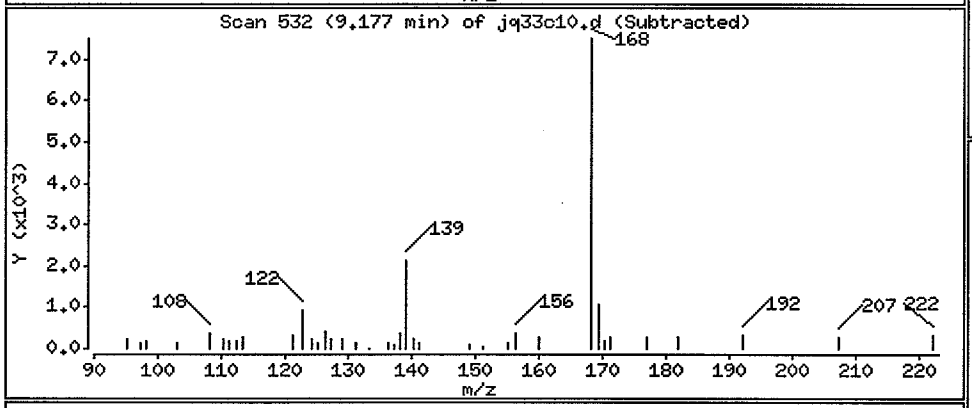
Column diameter: 0.25

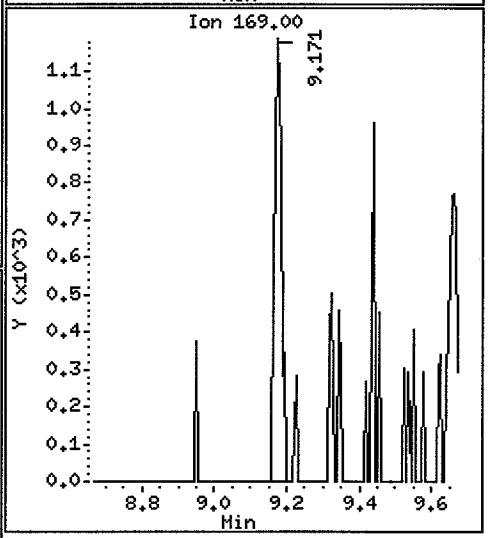
10 Dibenzofuran

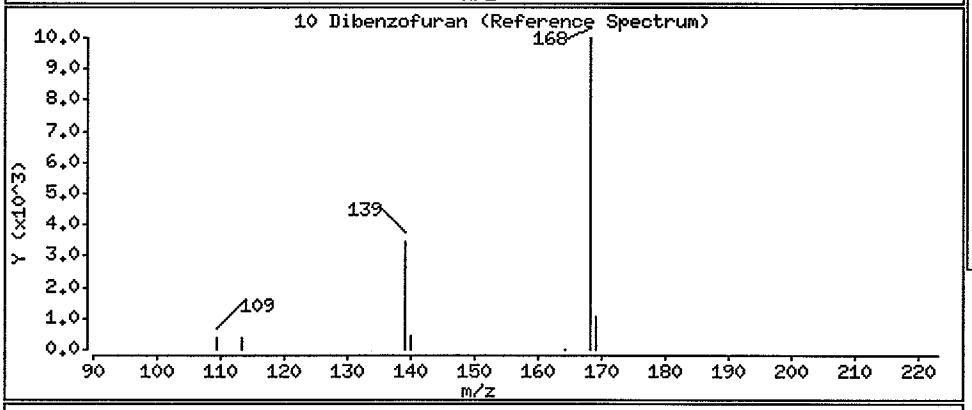
Concentration: 42.16 ug/kg

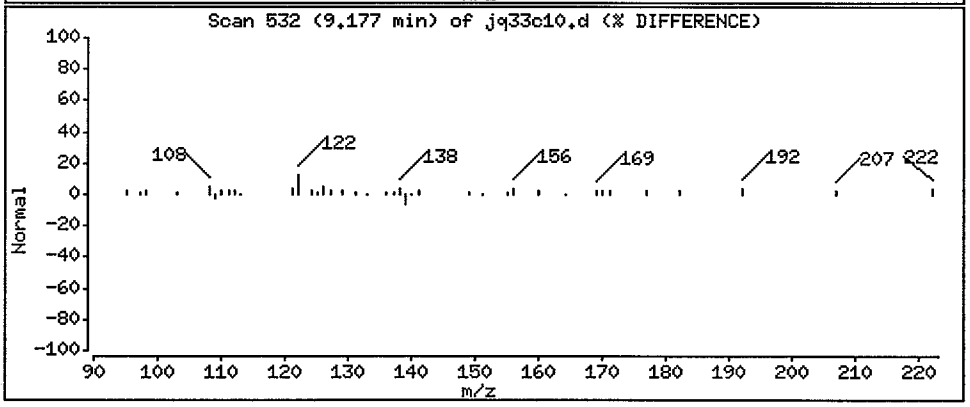












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

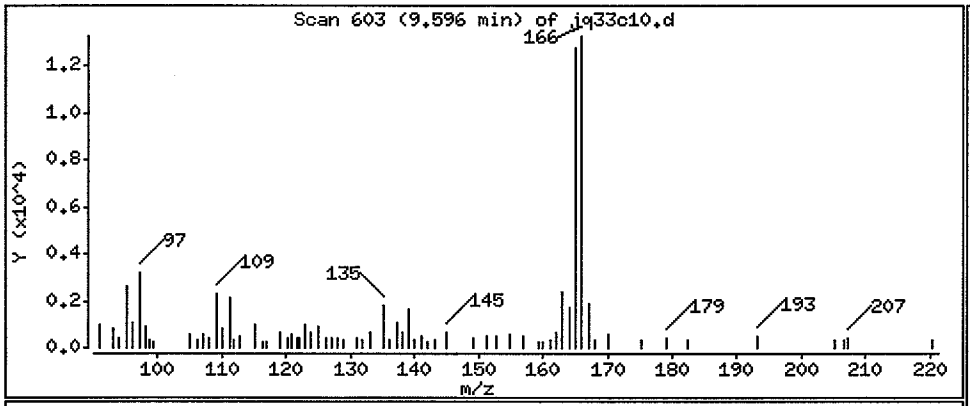
Operator: VTS

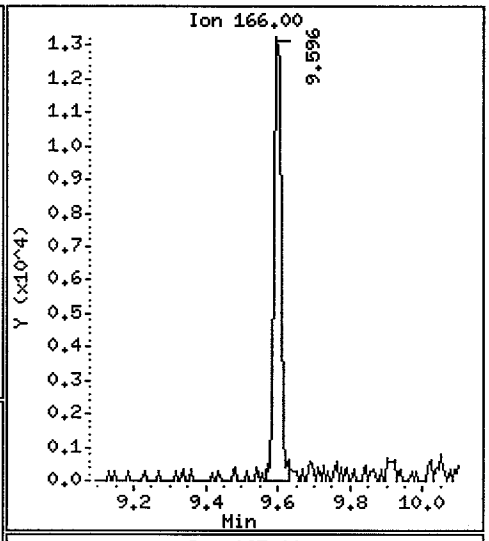
Column phase: ZB-5

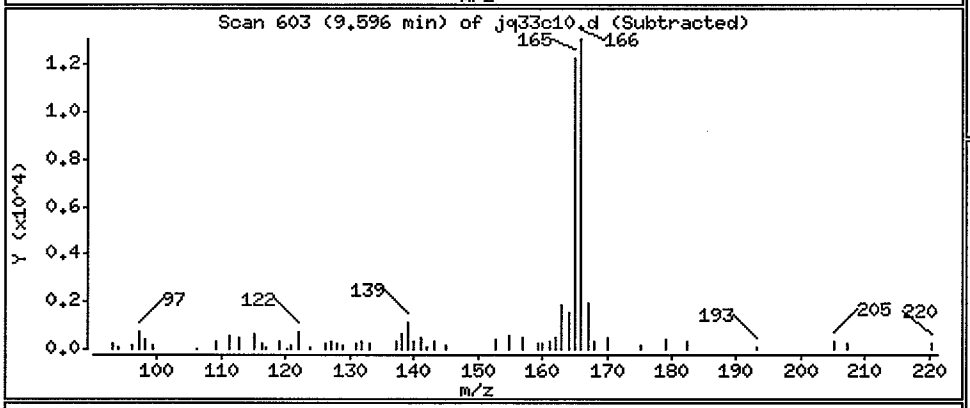
Column diameter: 0.25

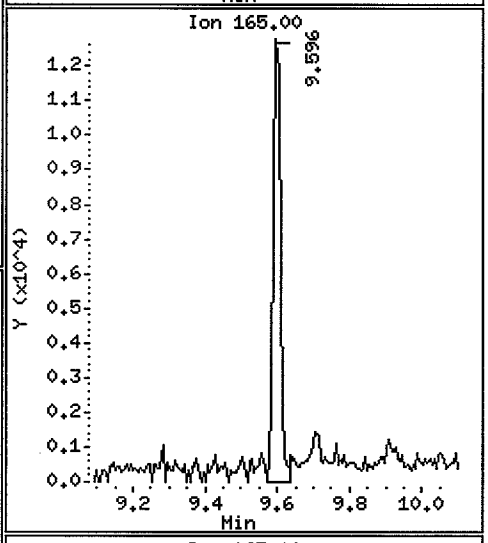
11 Fluorene

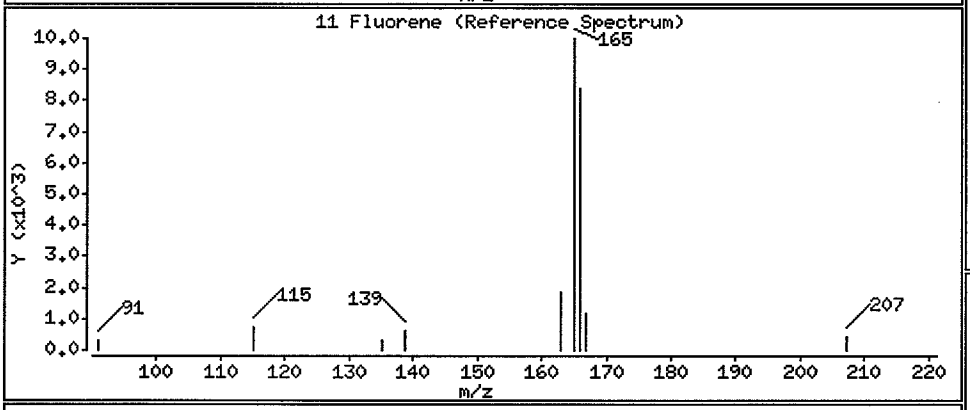
Concentration: 101.8 ug/kg

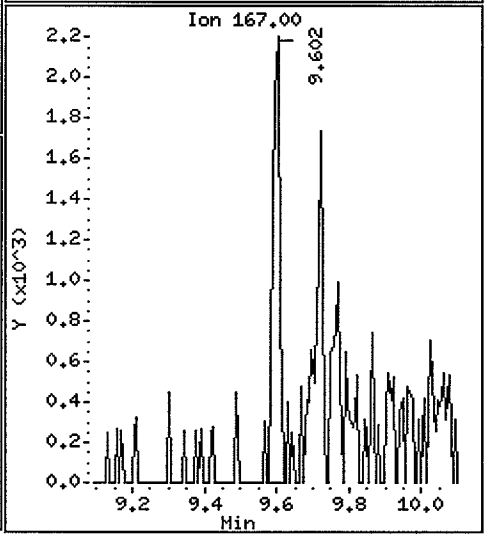


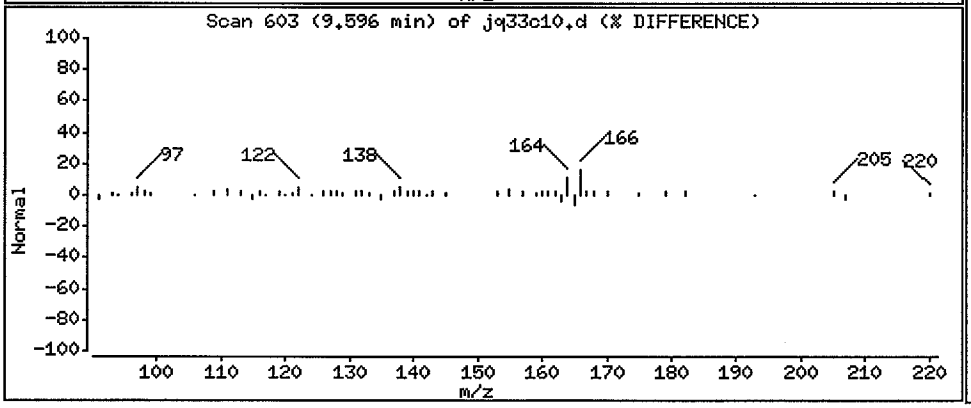












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

Operator: VTS

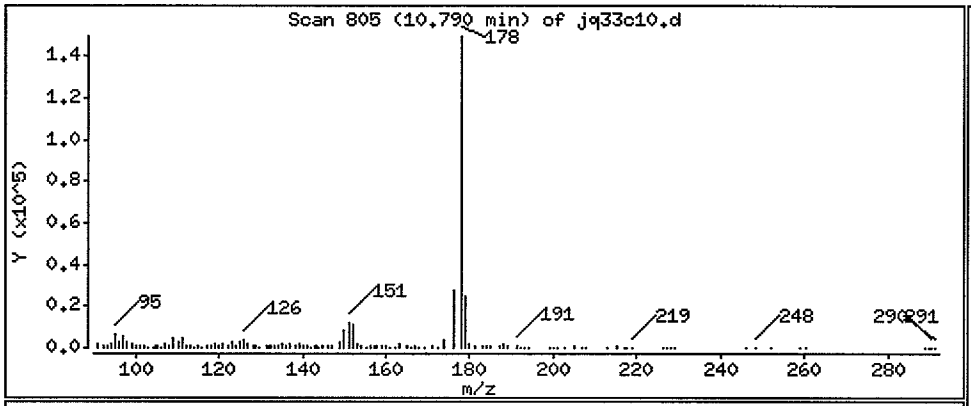
Column phase: ZB-5

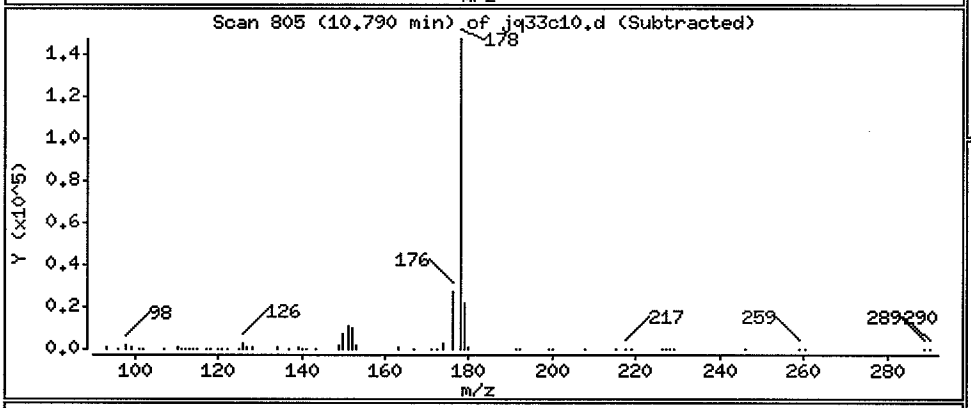
Column diameter: 0.25

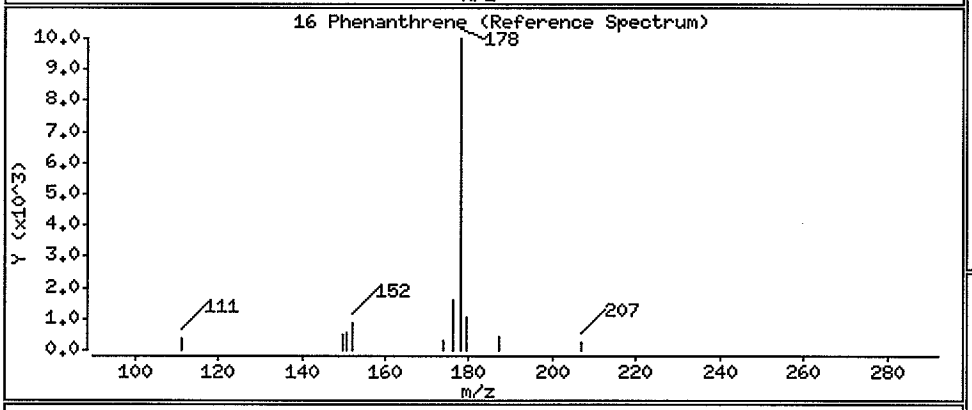
16 Phenanthrene

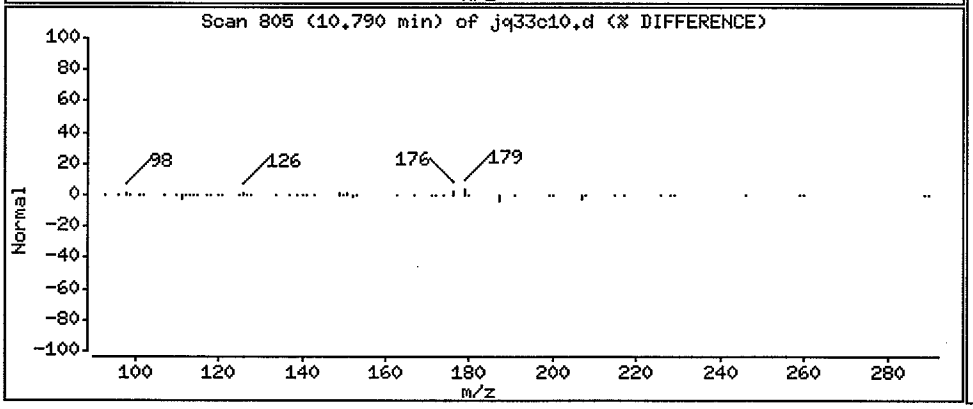
Concentration: 727.6 ug/kg

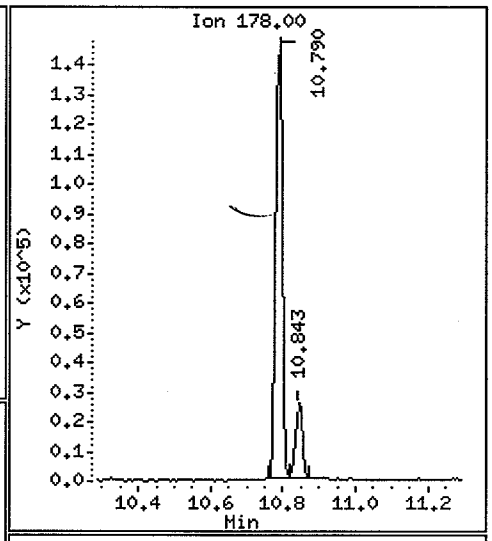
B

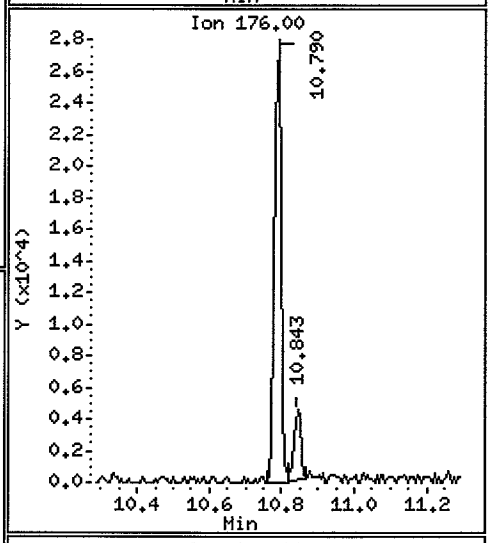


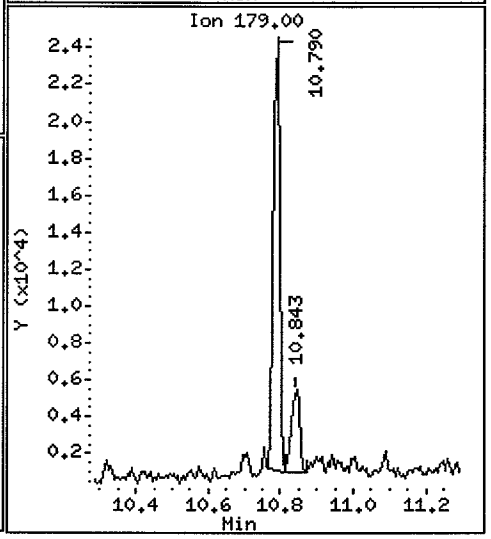












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

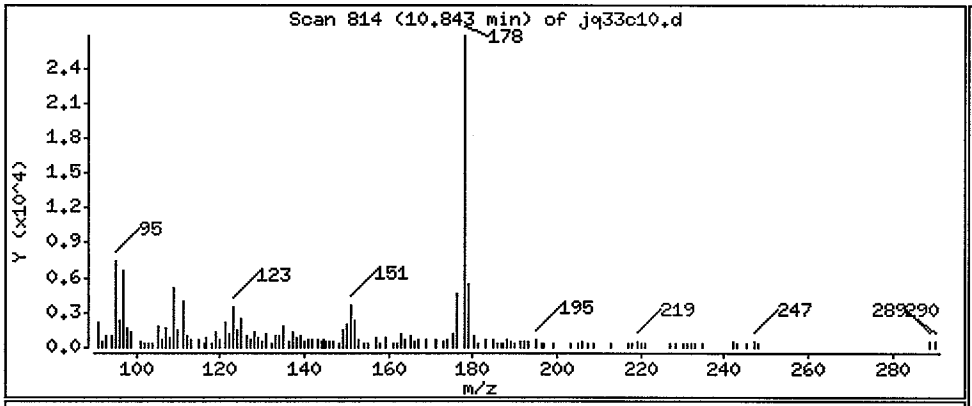
Operator: VTS

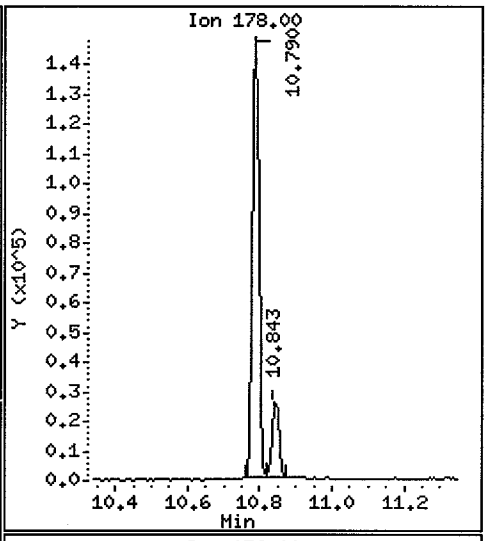
Column phase: ZB-5

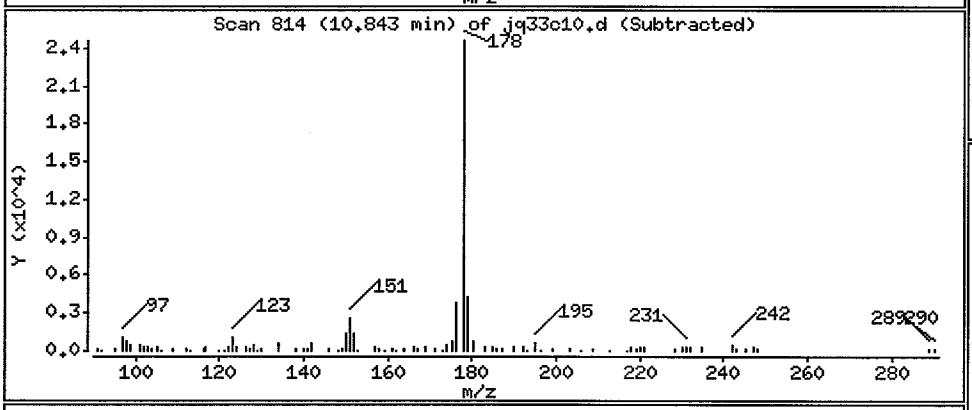
Column diameter: 0.25

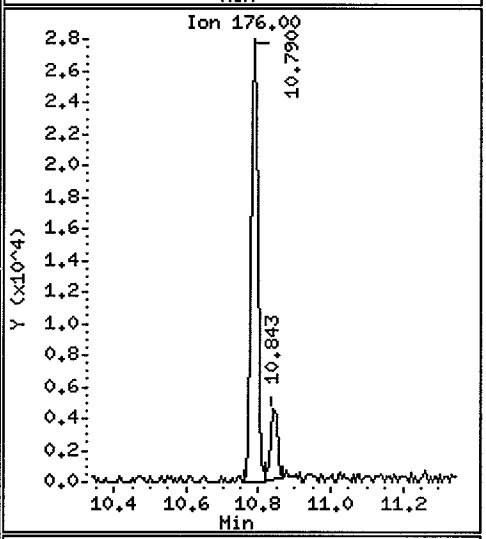
17 Anthracene

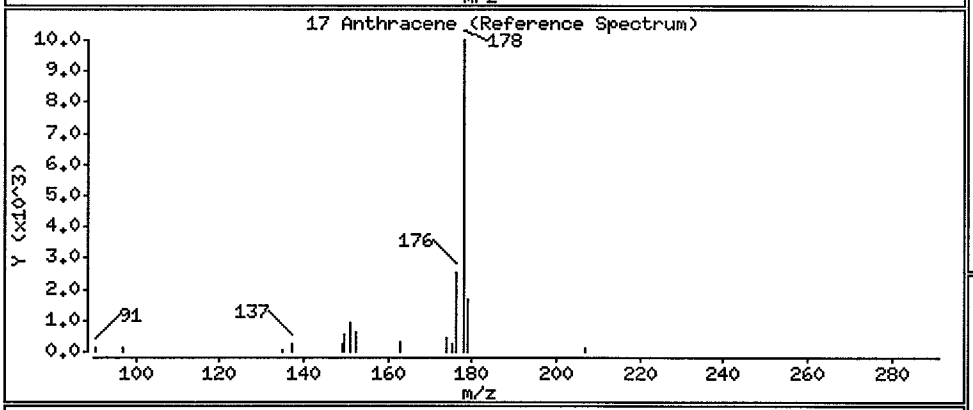
Concentration: 132.4 ug/kg

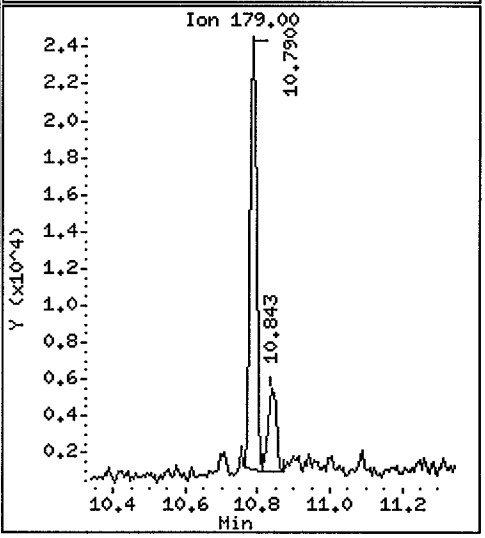


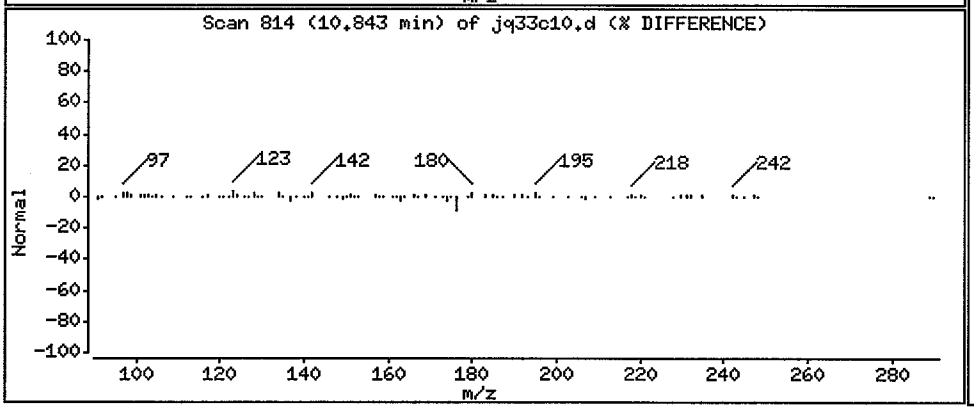












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

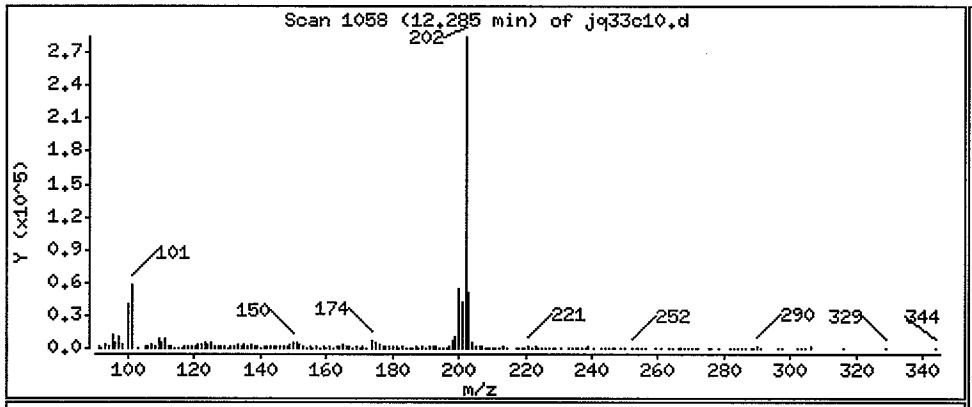
Operator: VTS

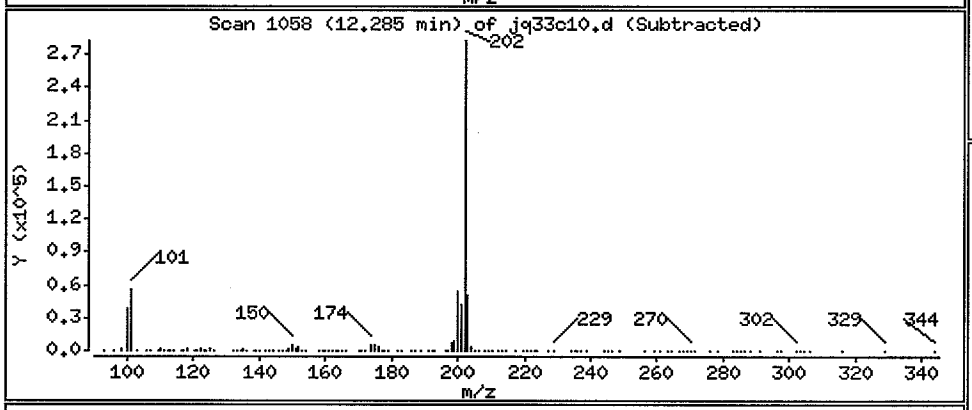
Column phase: ZB-5

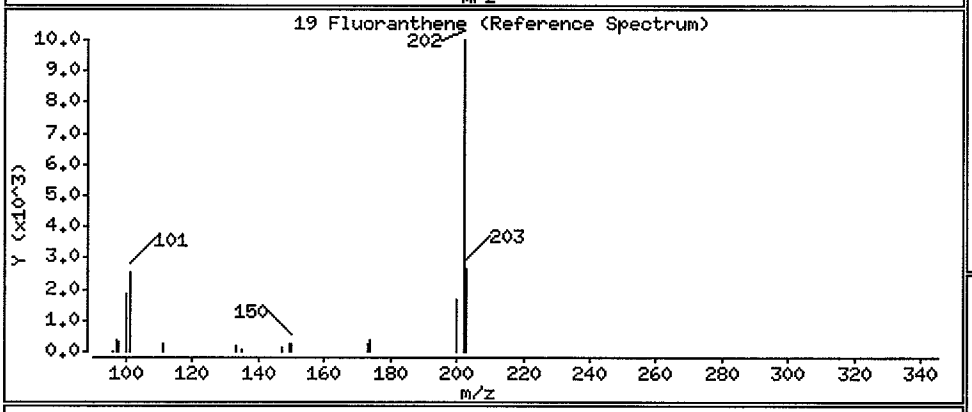
Column diameter: 0.25

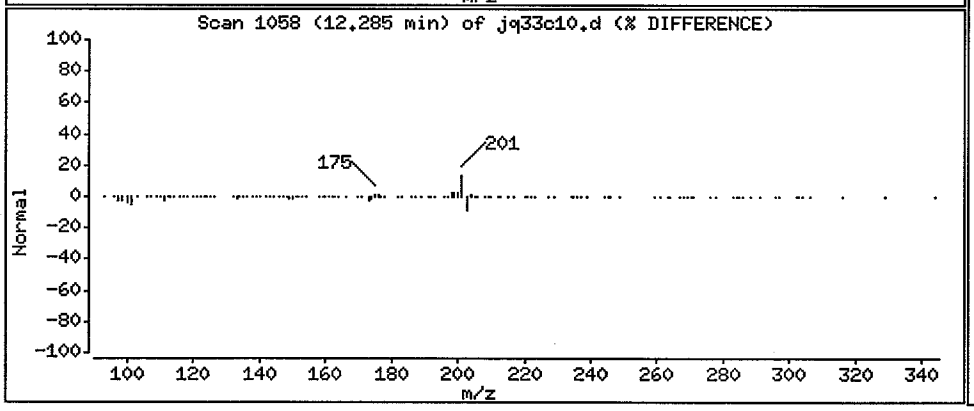
19 Fluoranthene

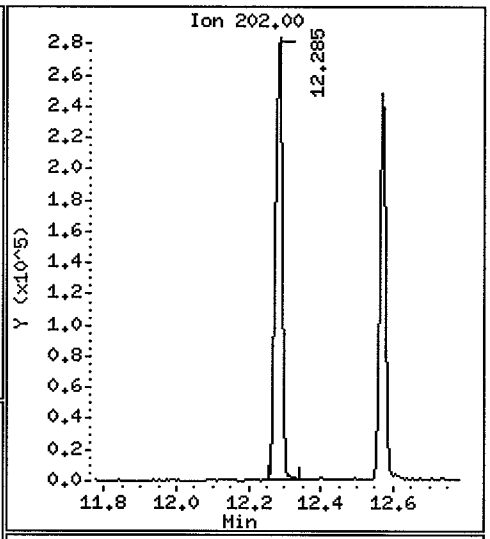
Concentration: 1453 ug/kg

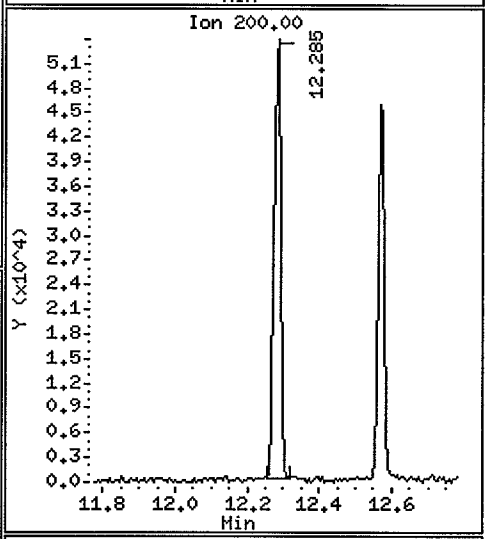


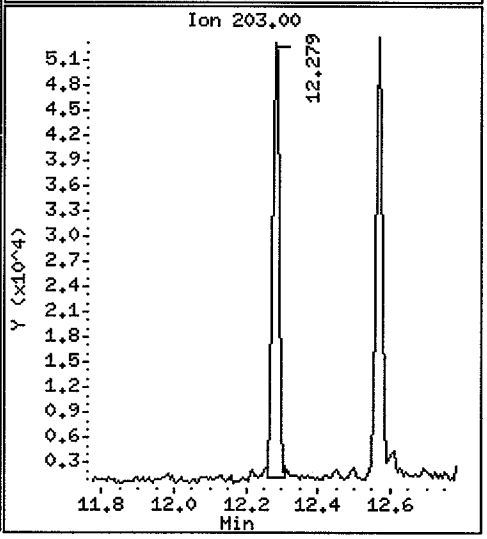












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

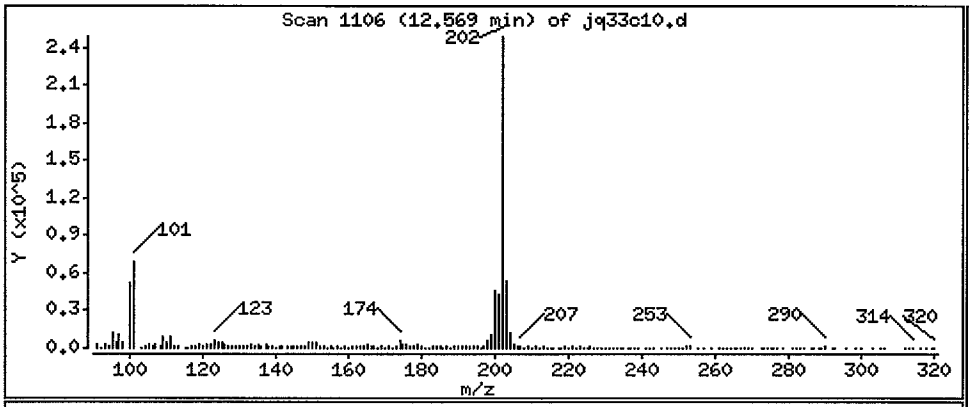
Operator: VTS

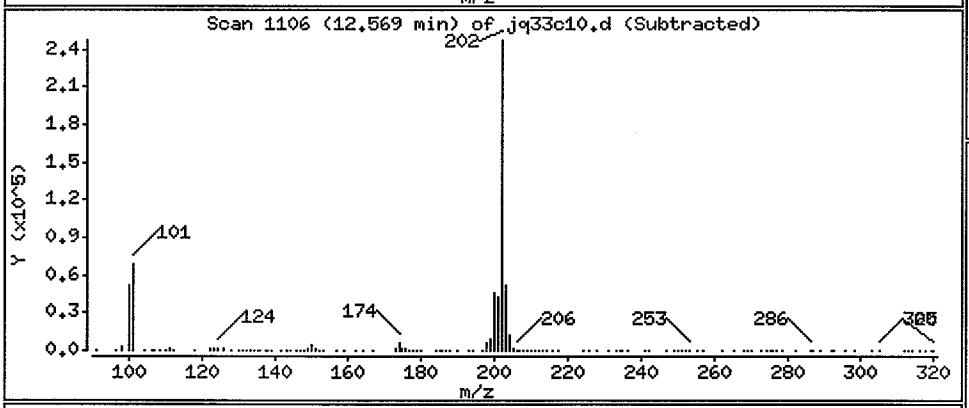
Column phase: ZB-5

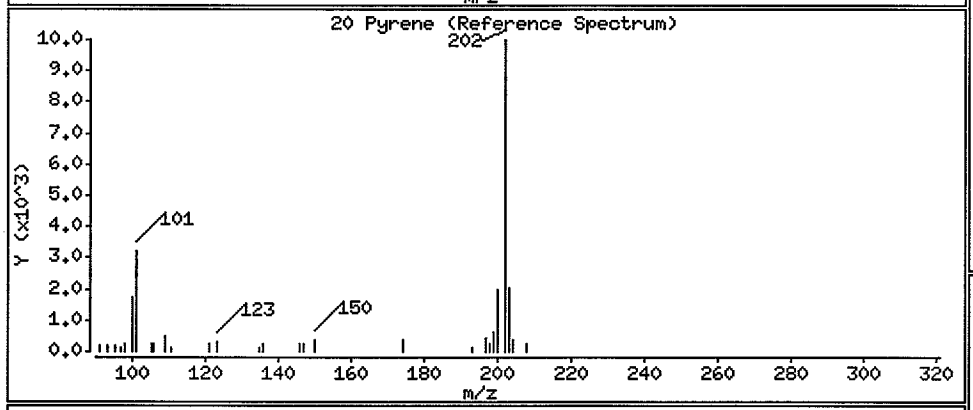
Column diameter: 0.25

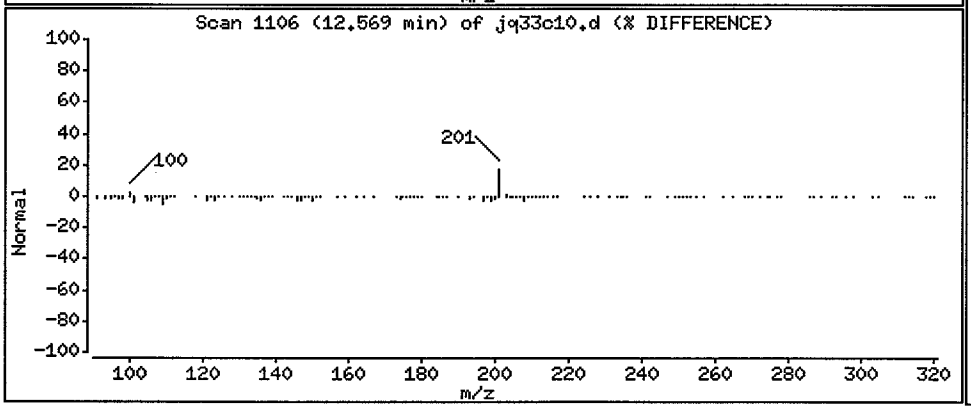
20 Pyrene

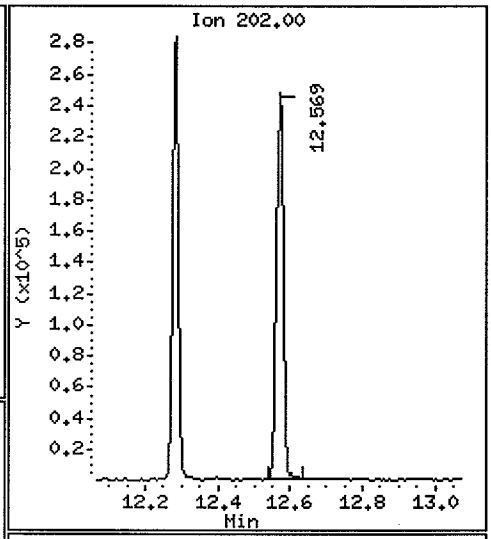
Concentration: 1162 ug/kg

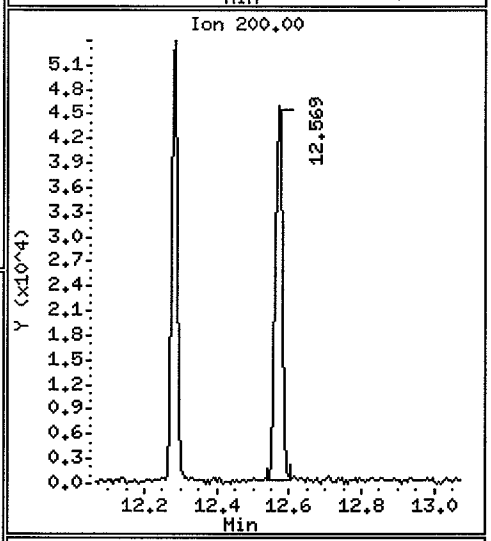


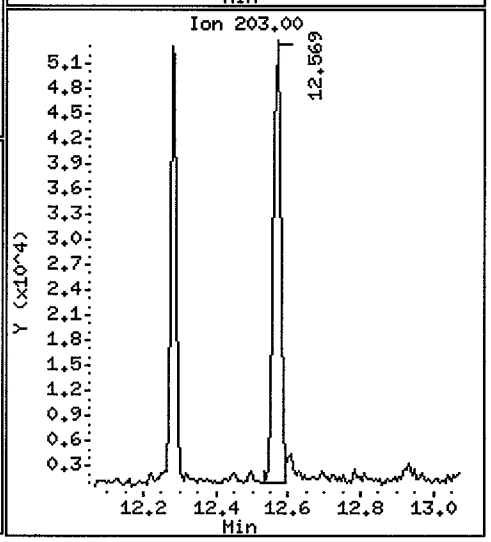












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

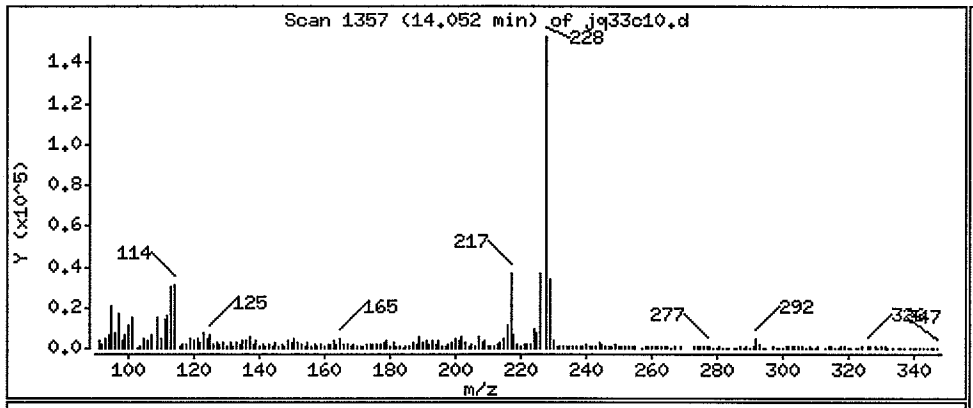
Operator: VTS

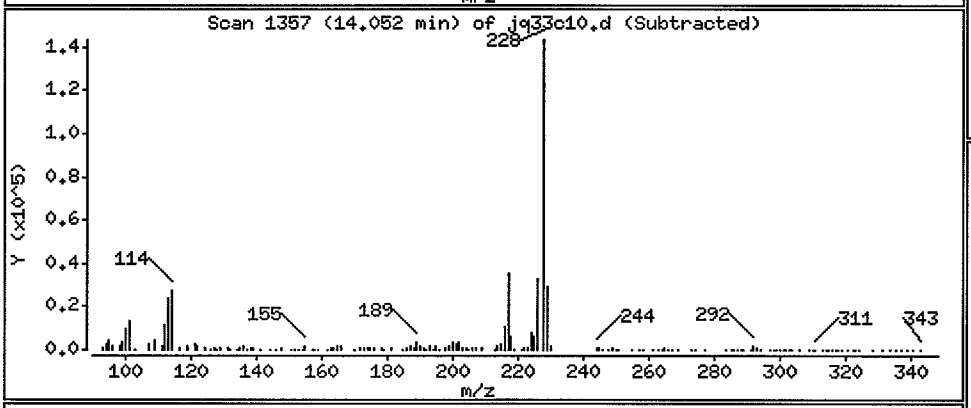
Column phase: ZB-5

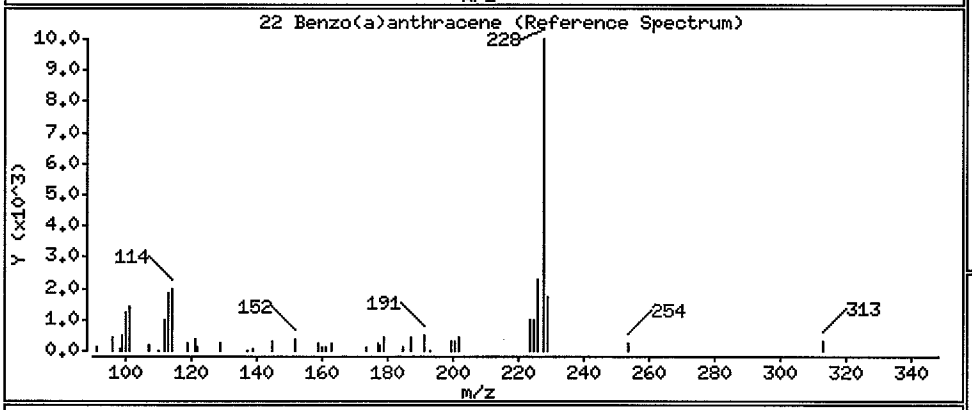
Column diameter: 0.25

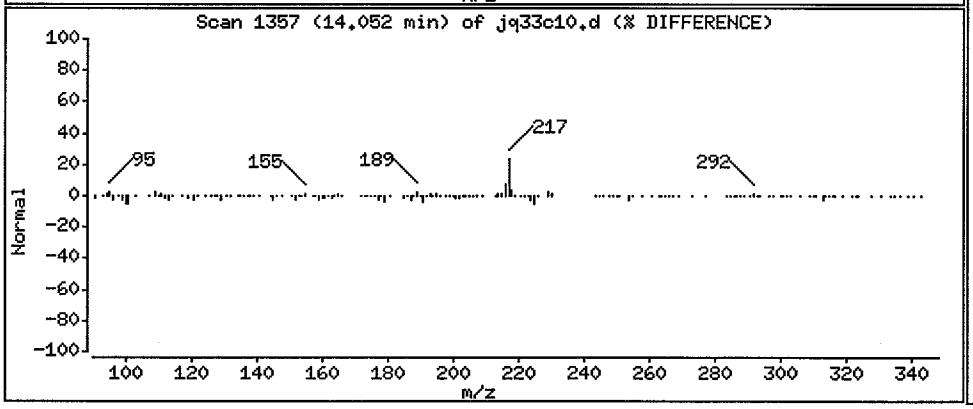
22 Benzo(a)anthracene

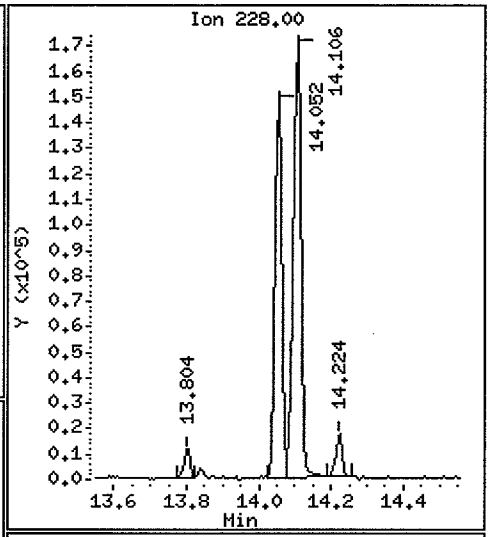
Concentration: 718.7 ug/kg

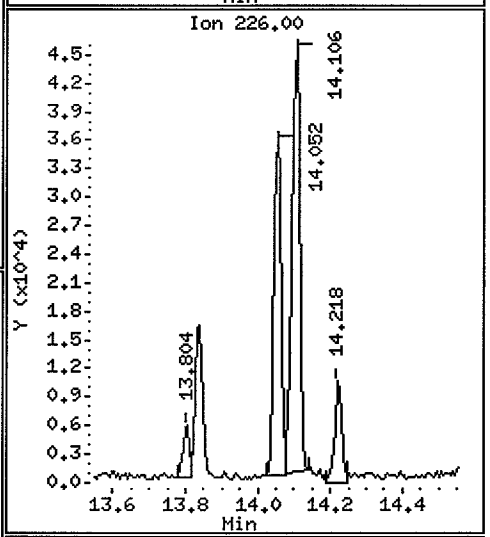


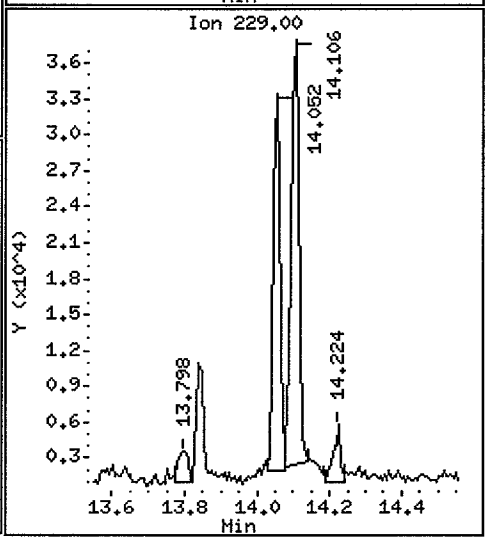












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

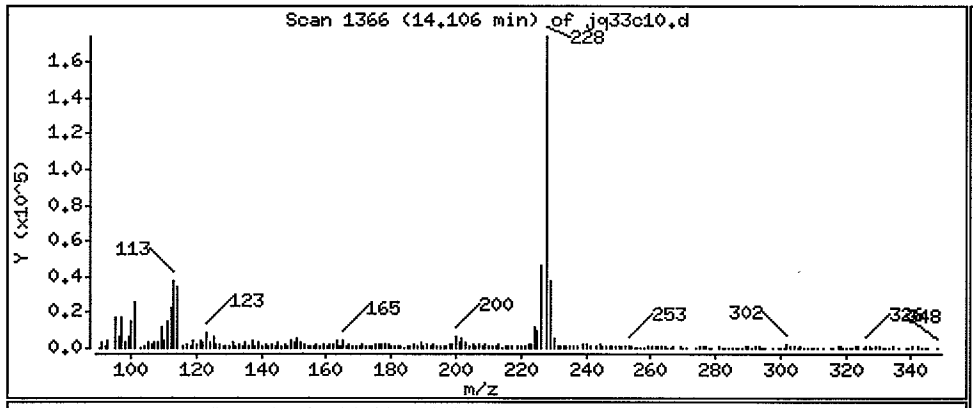
Operator: VTS

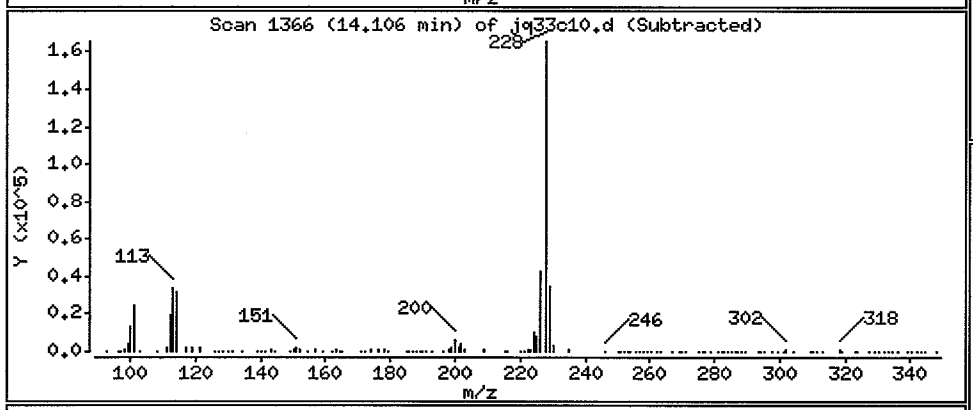
Column phase: ZB-5

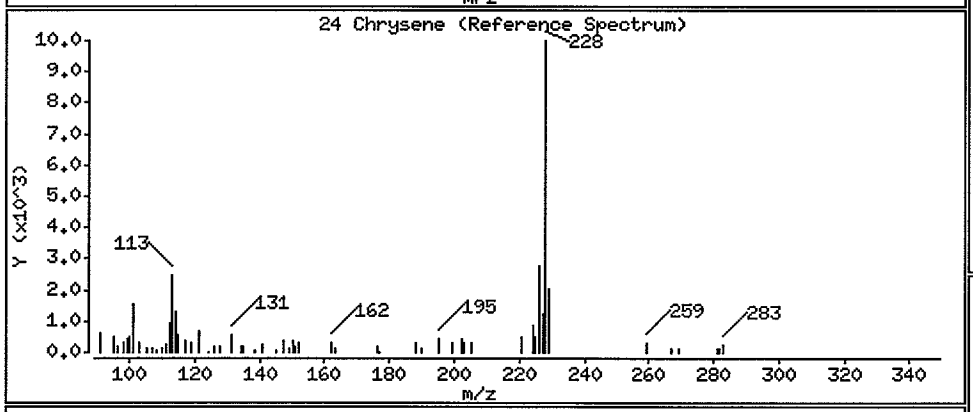
Column diameter: 0.25

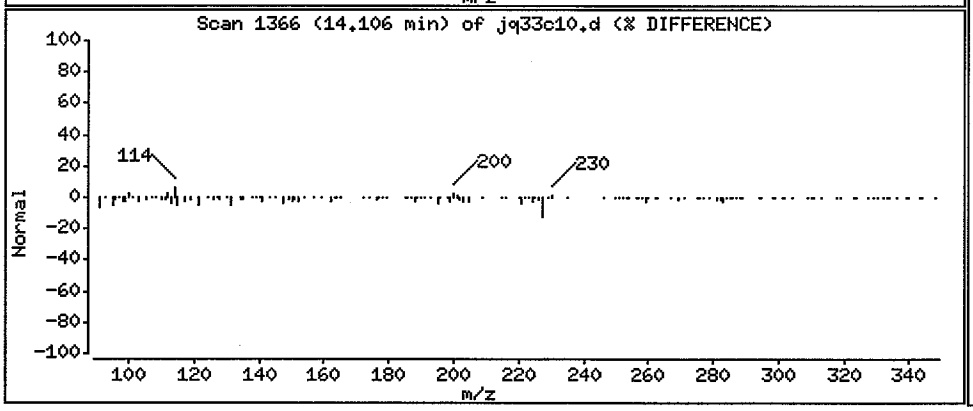
24 Chrysene

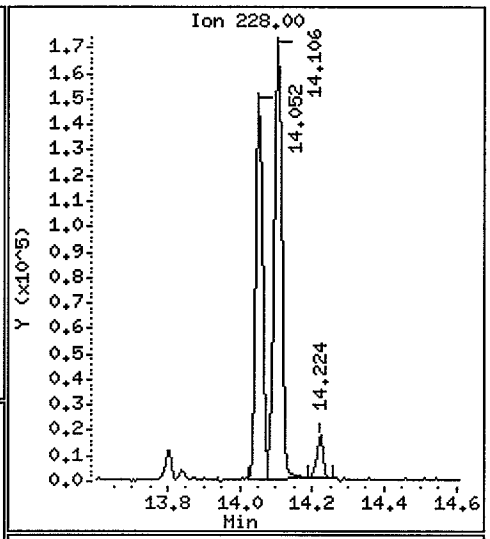
Concentration: 1016 ug/kg

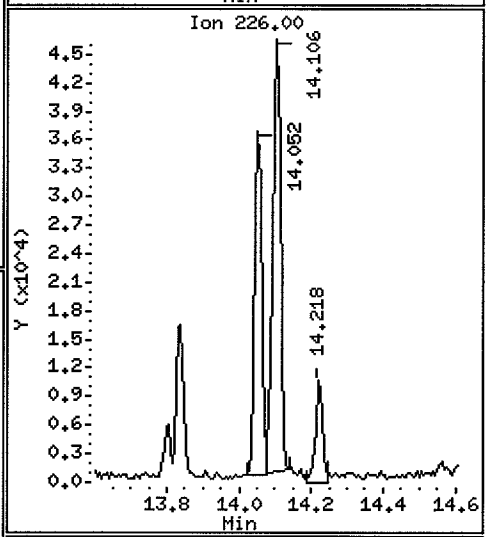


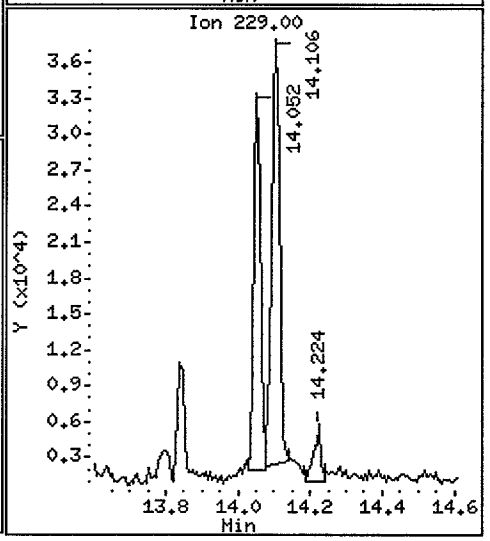












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

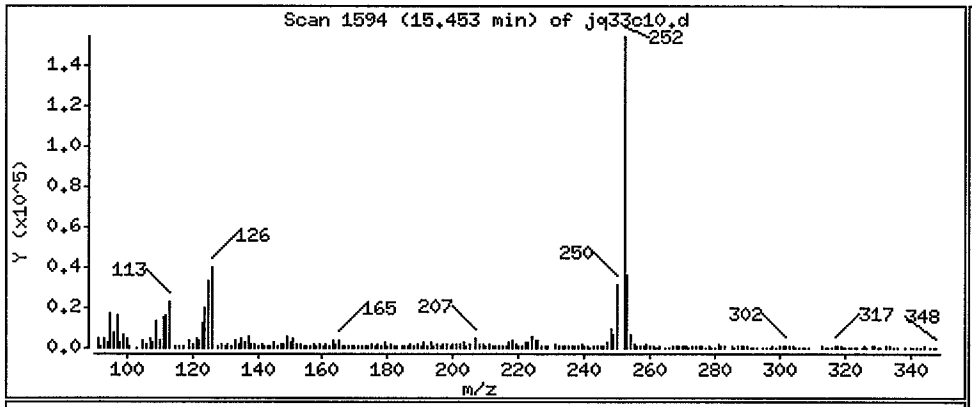
Operator: VTS

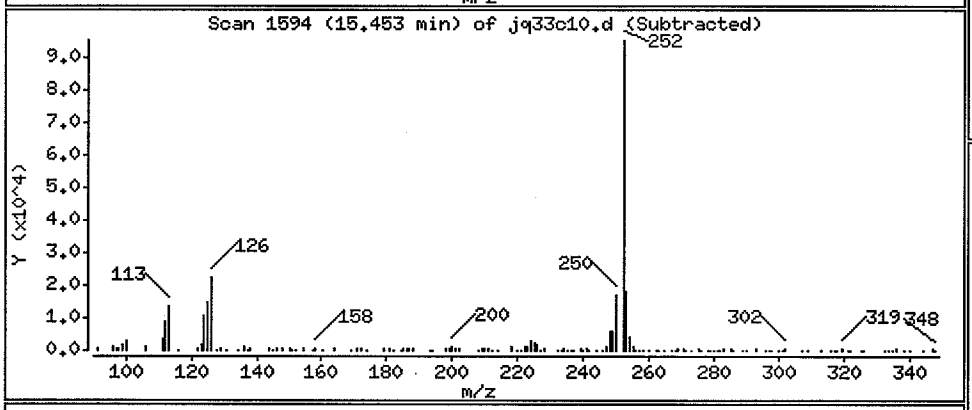
Column phase: ZB-5

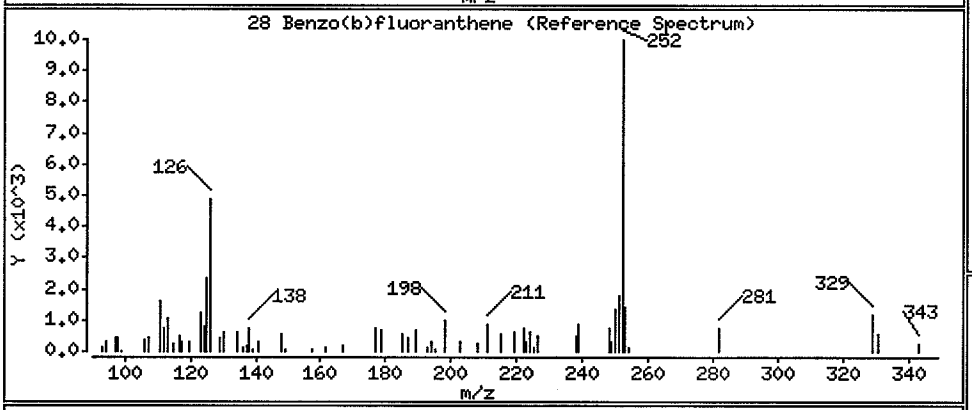
Column diameter: 0.25

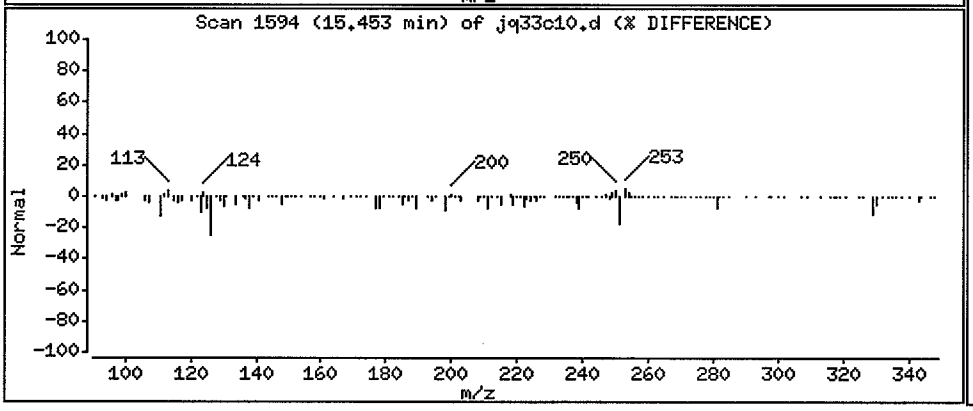
28 Benzo(b)fluoranthene

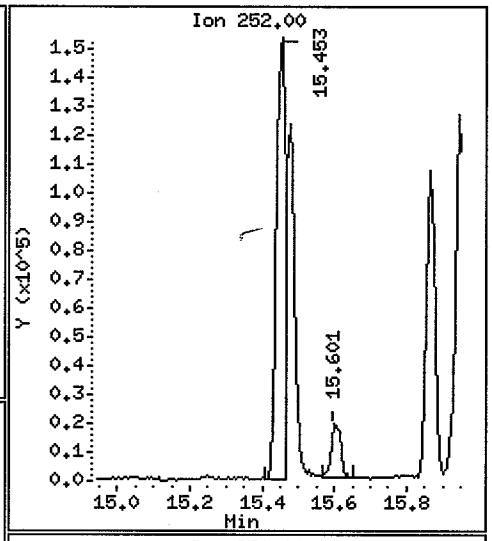
Concentration: 1089 ug/kg

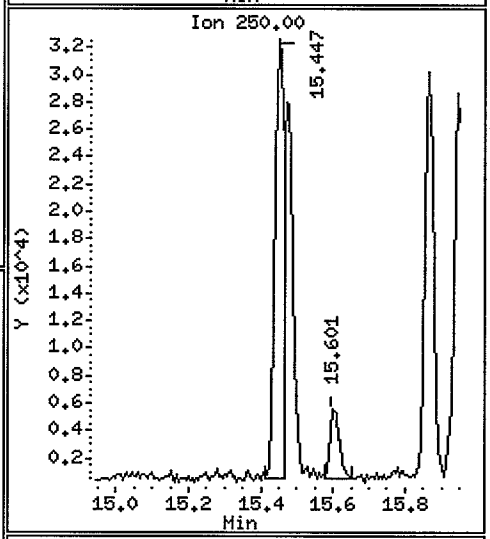


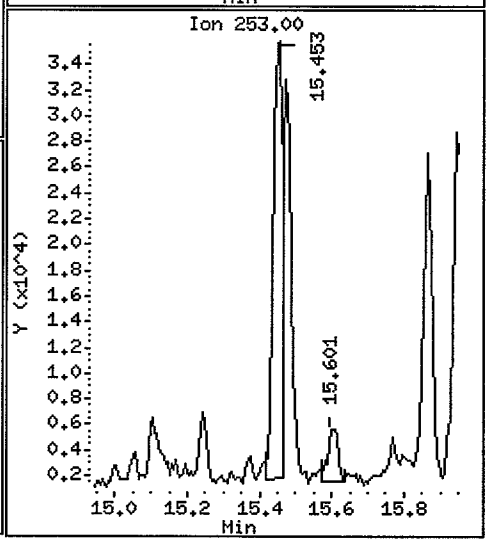












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

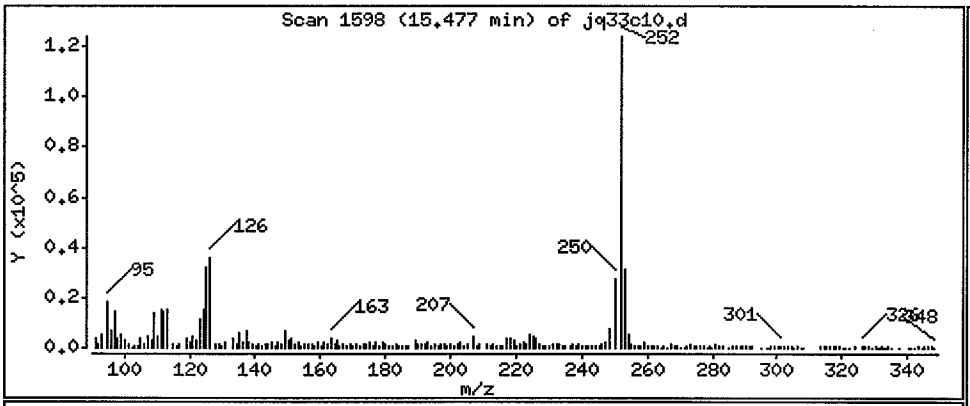
Operator: VTS

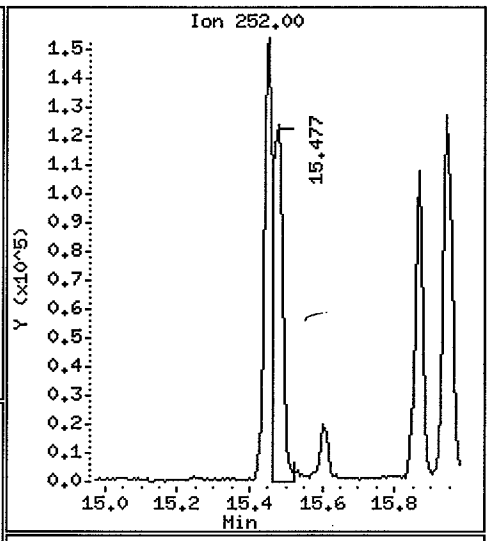
Column phase: ZB-5

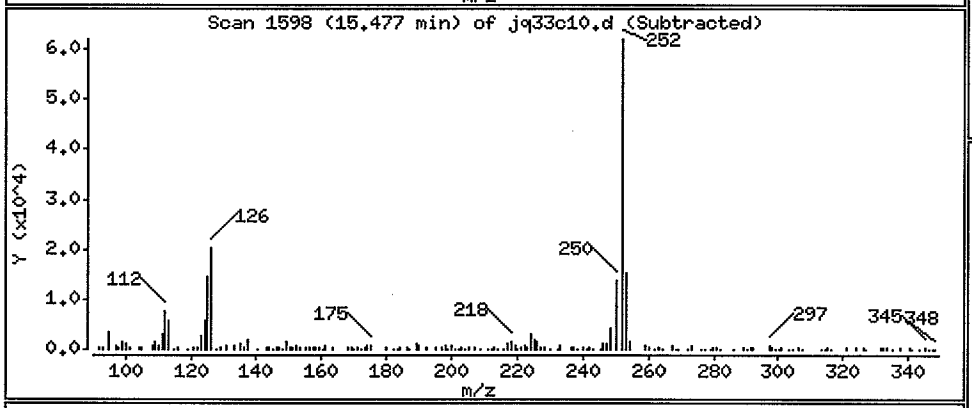
Column diameter: 0.25

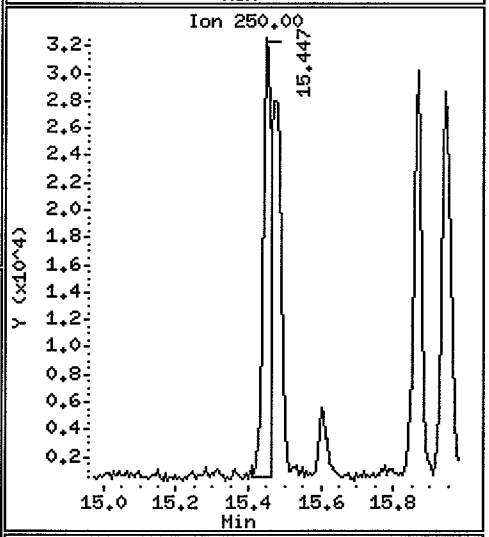
29 Benzo(k)fluoranthene

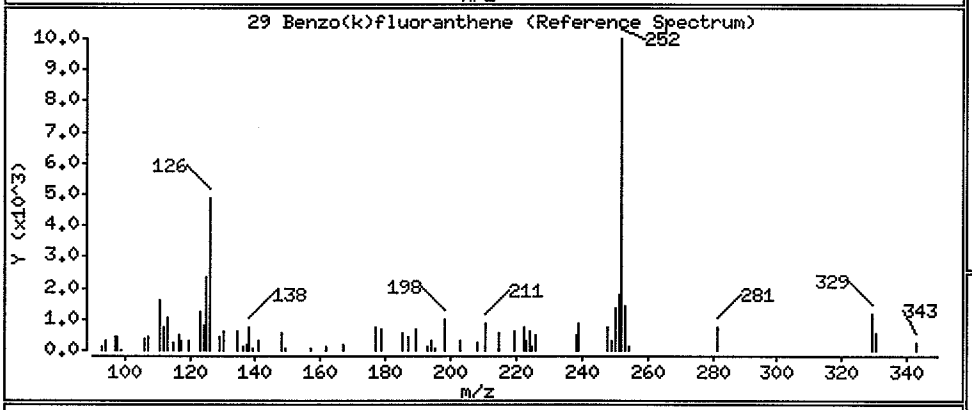
Concentration: 847.9 ug/kg

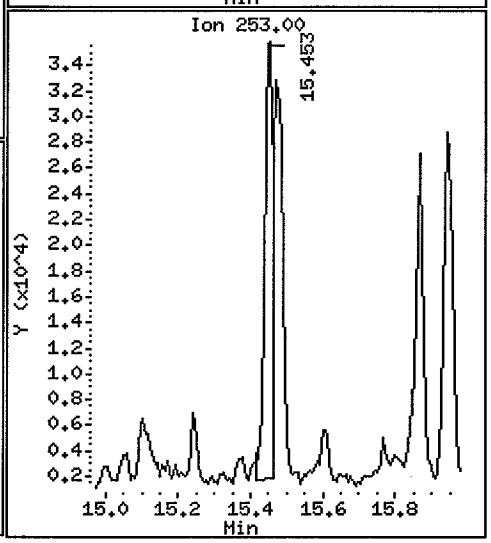


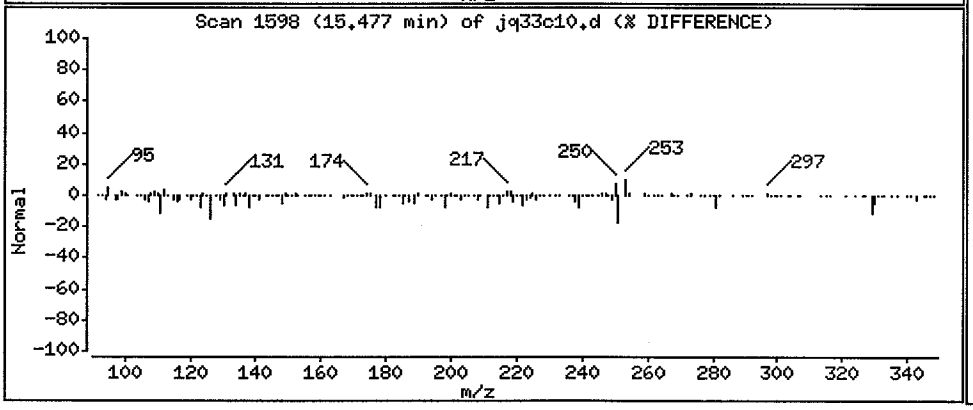












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

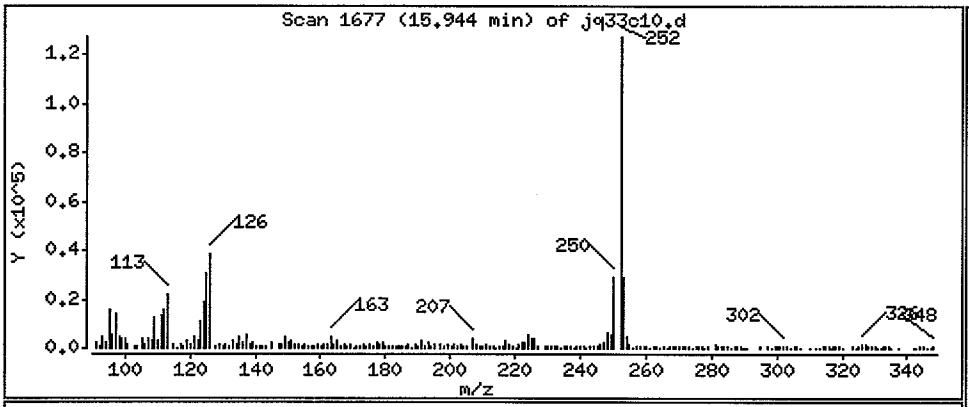
Operator: VTS

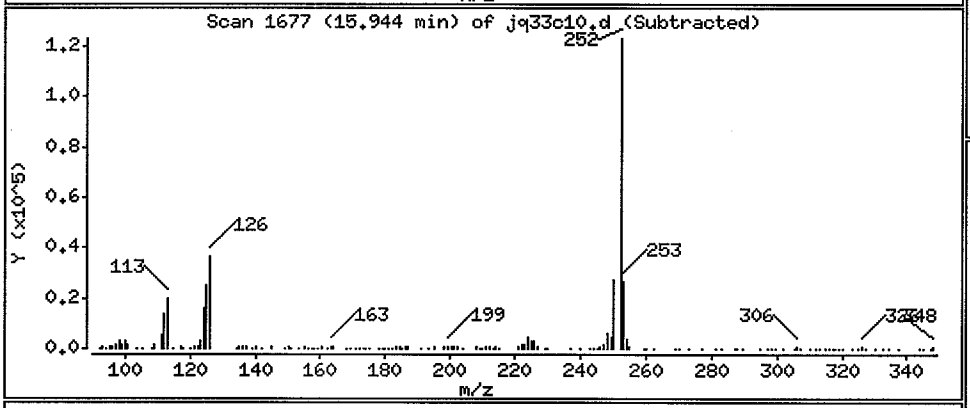
Column phase: ZB-5

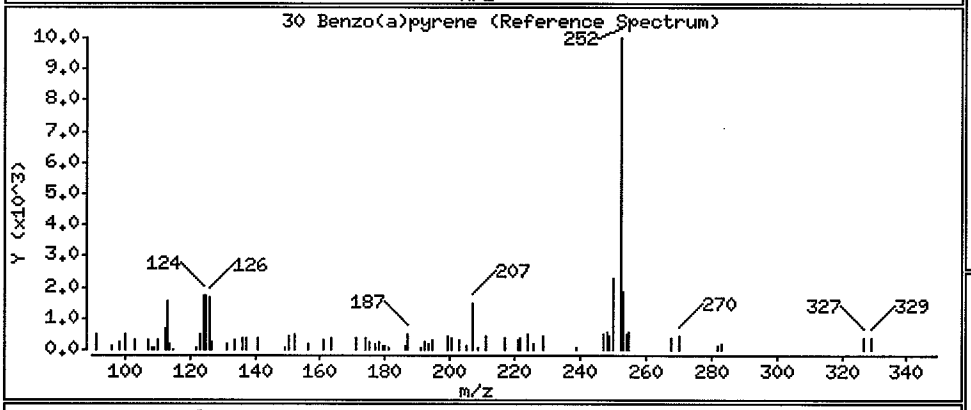
Column diameter: 0.25

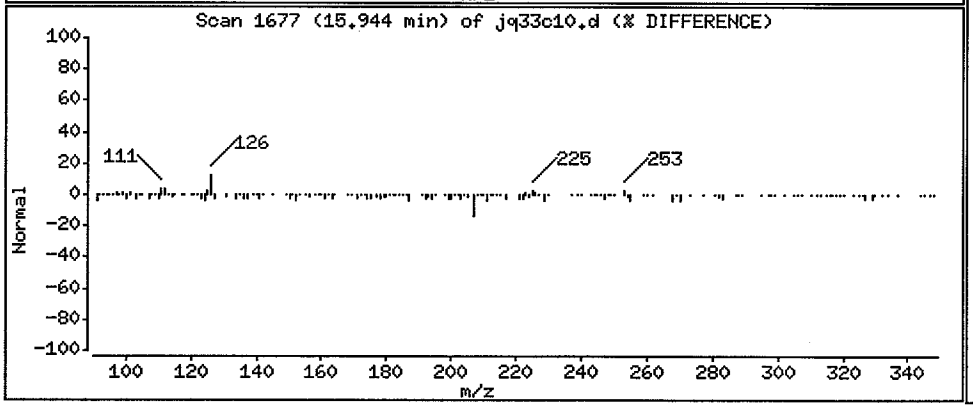
30 Benzo(a)pyrene

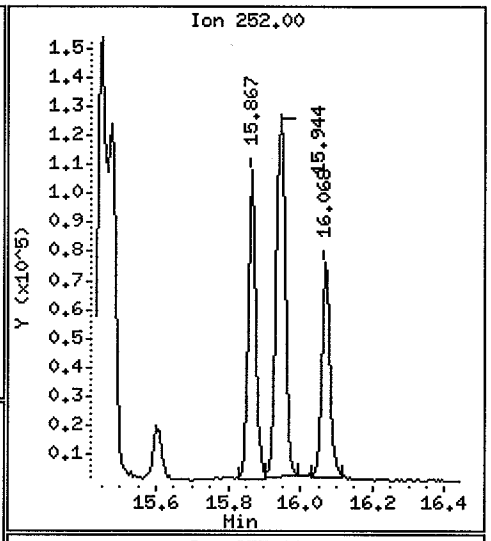
Concentration: 890.4 ug/kg

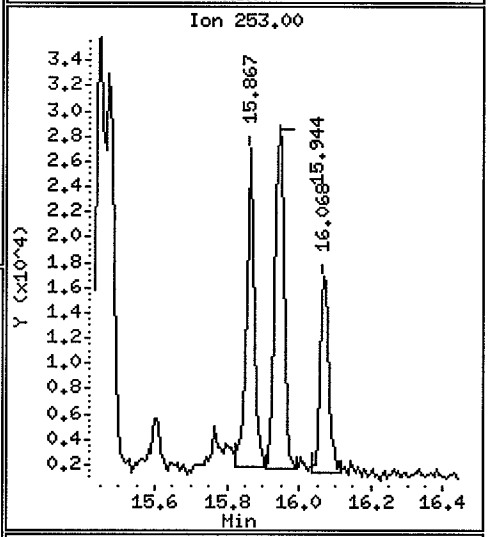


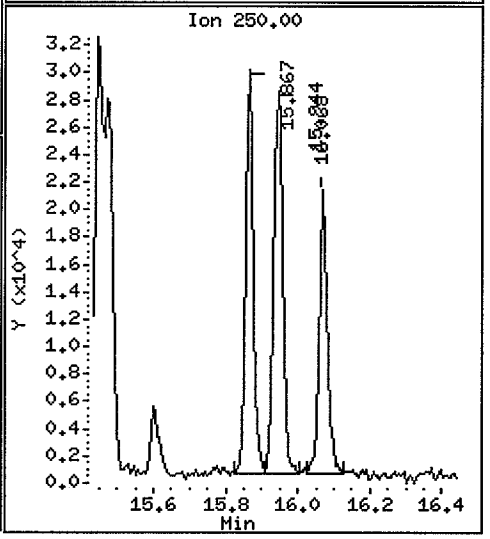












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

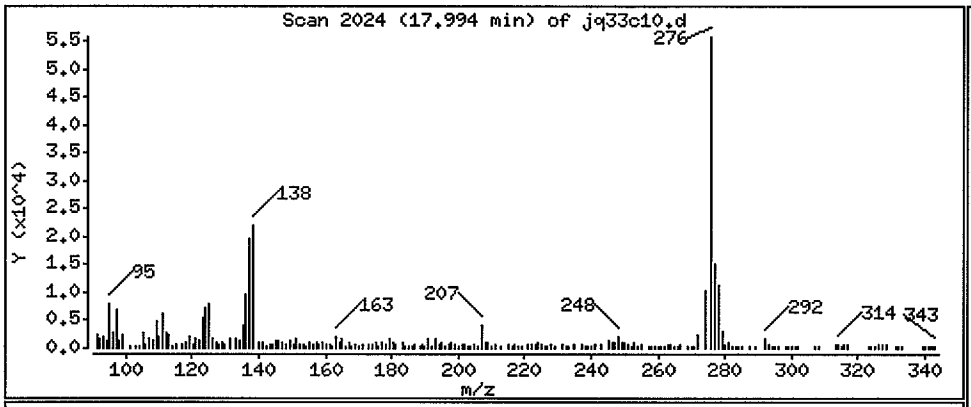
Operator: VTS

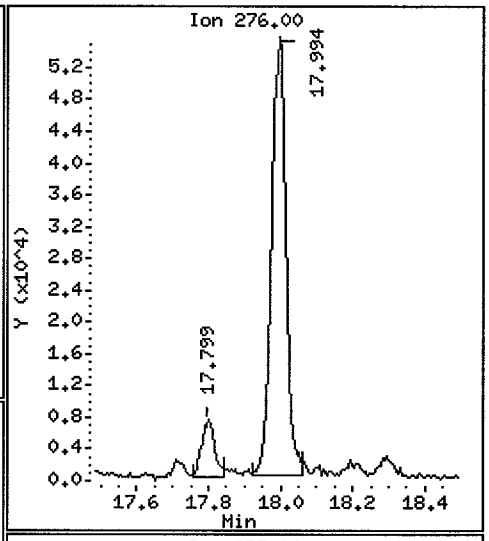
Column phase: ZB-5

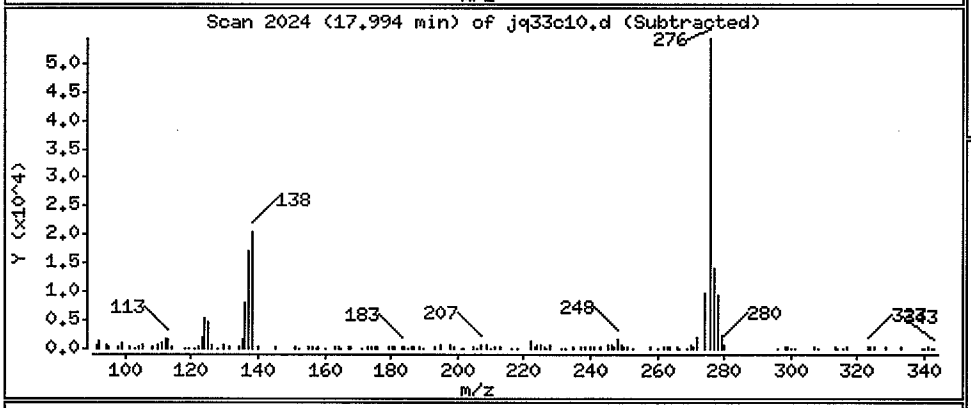
Column diameter: 0.25

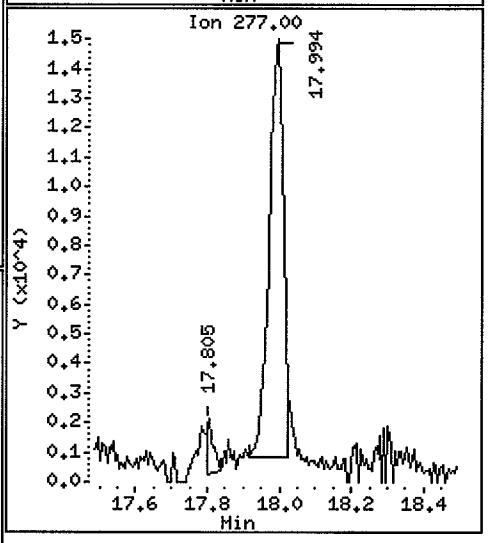
33 Indeno(1,2,3-cd)pyrene

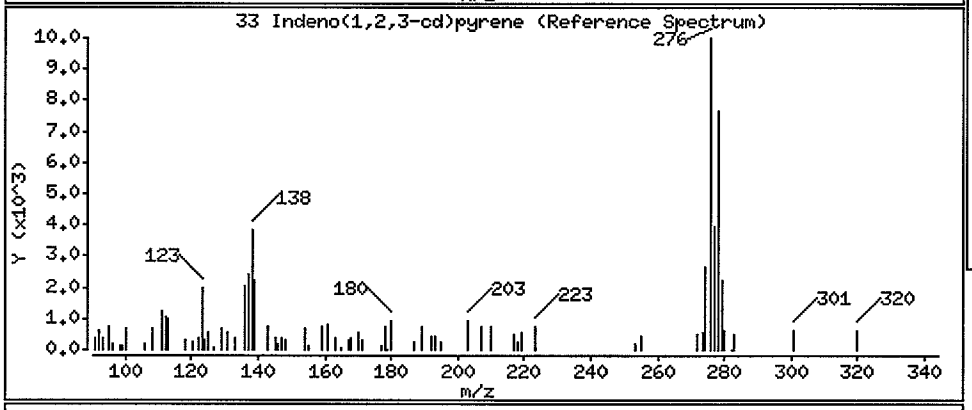
Concentration: 571.2 ug/kg

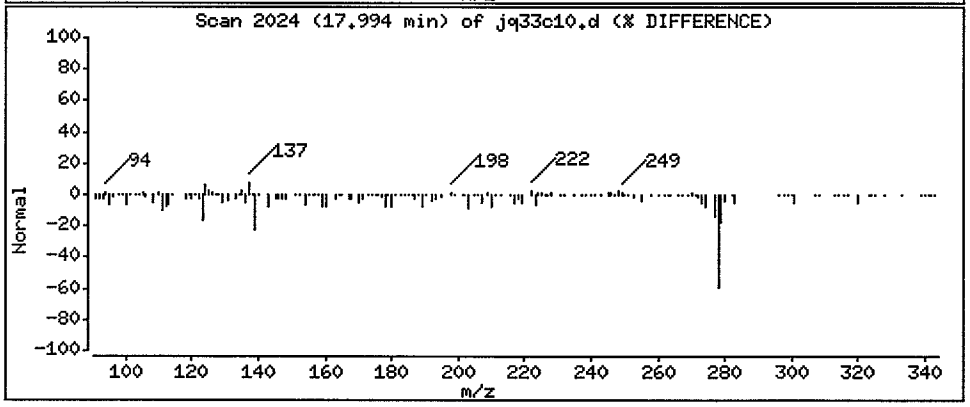












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

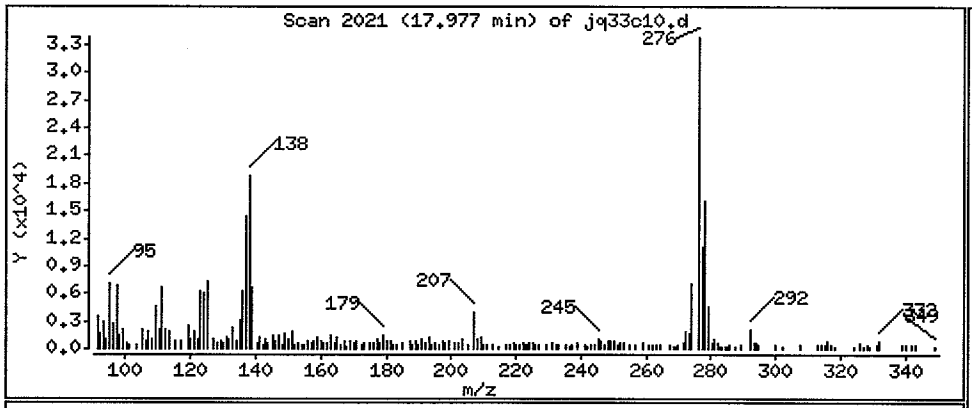
Operator: VTS

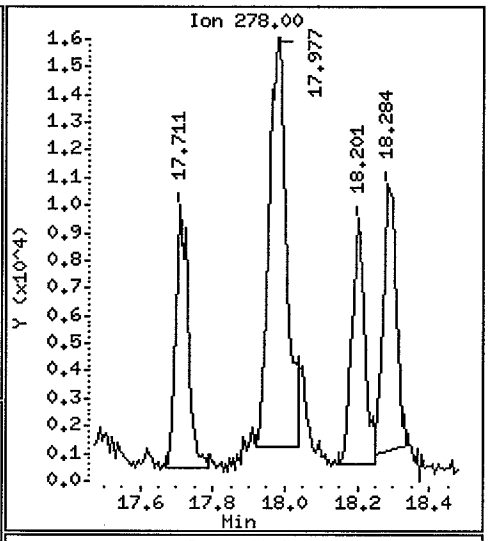
Column phase: ZB-5

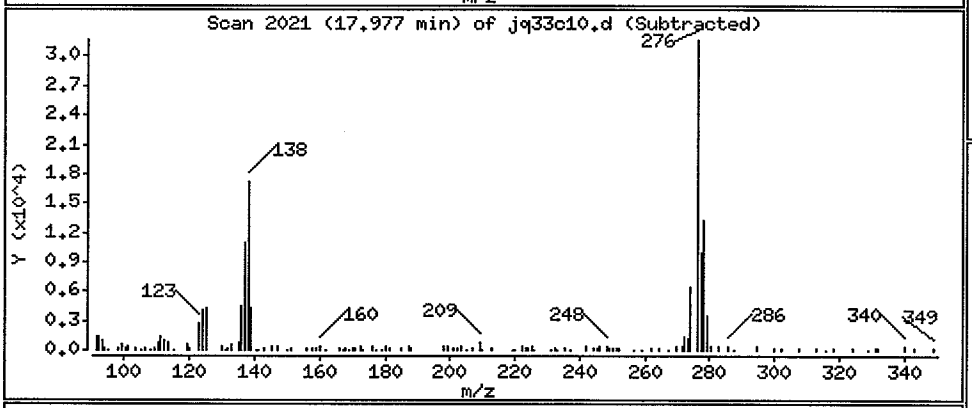
Column diameter: 0.25

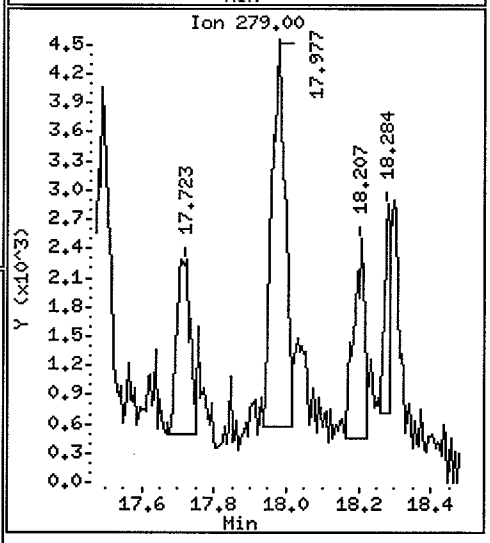
34 Dibenz(a,h)anthracene

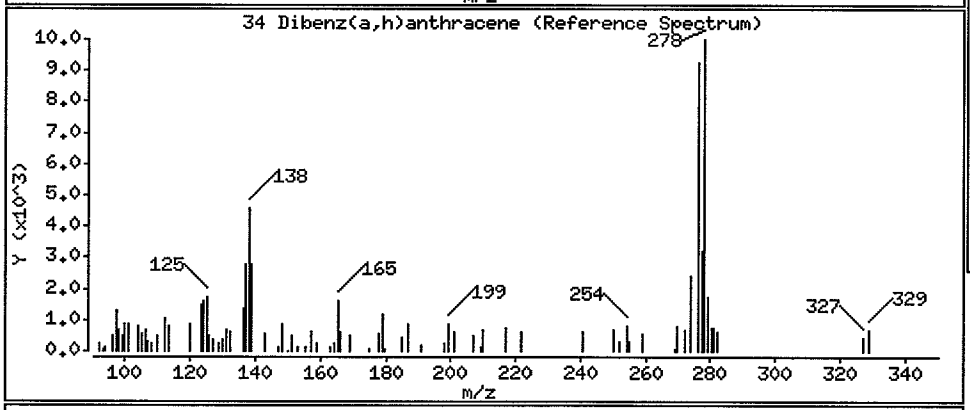
Concentration: 226.3 ug/kg

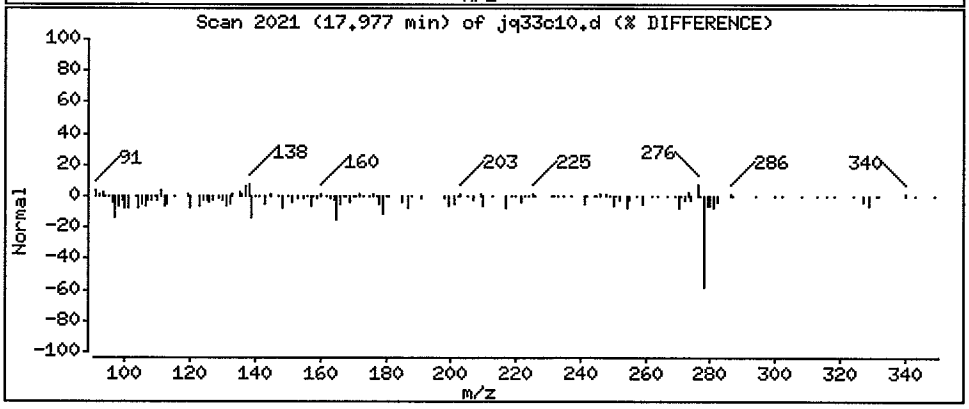












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

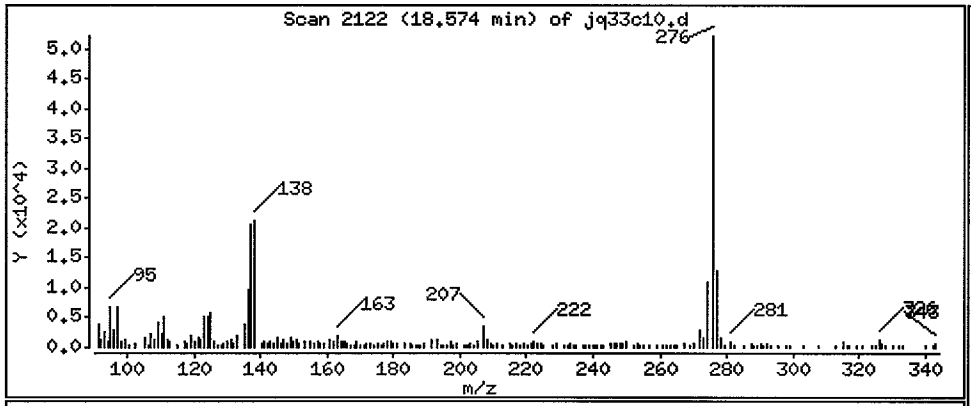
Operator: VTS

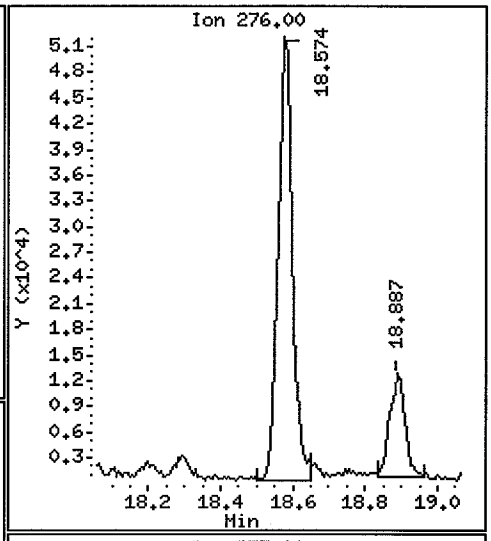
Column phase: ZB-5

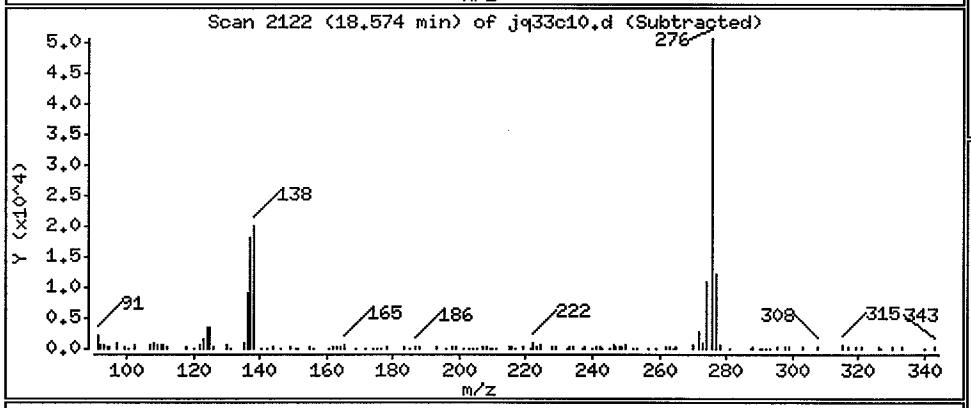
Column diameter: 0.25

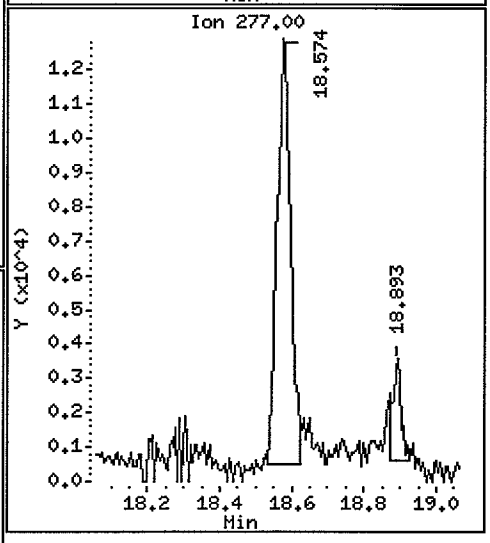
35 Benzo(g,h,i)perylene

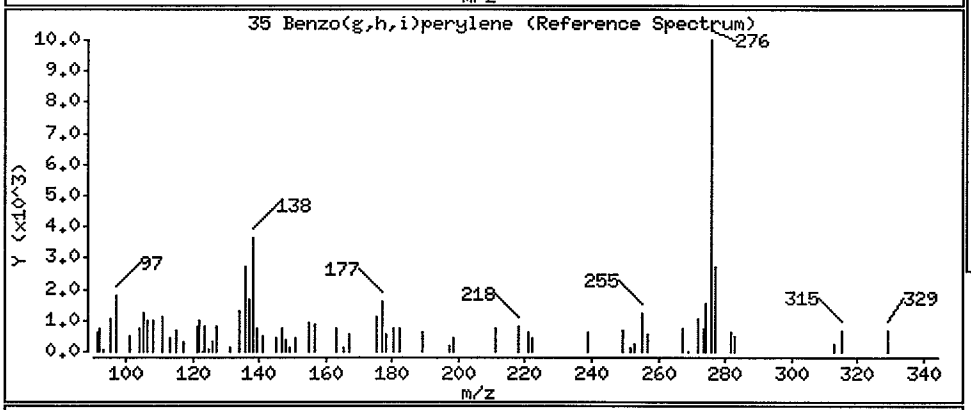
Concentration: 658.4 ug/kg

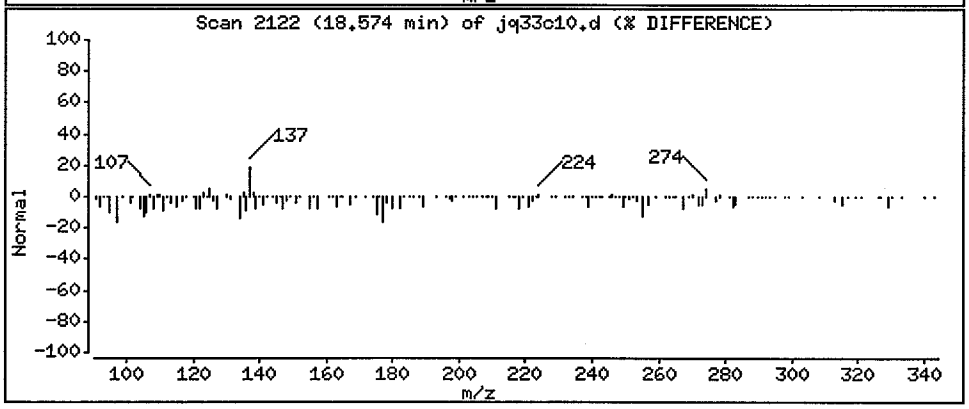












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

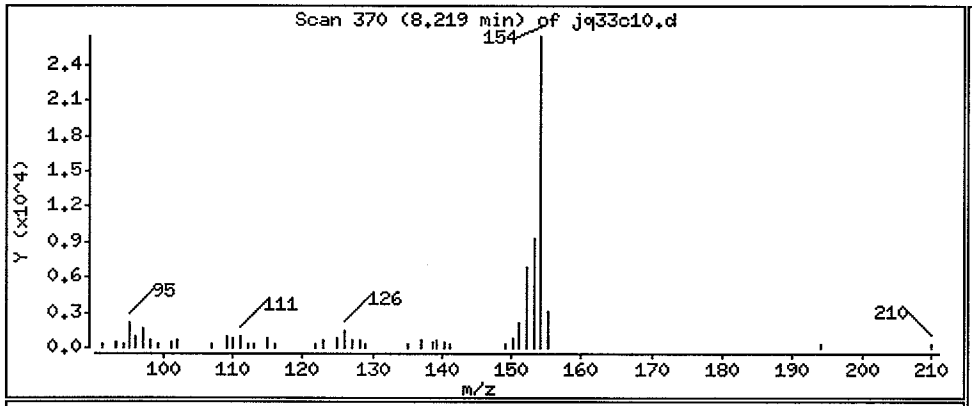
Operator: VTS

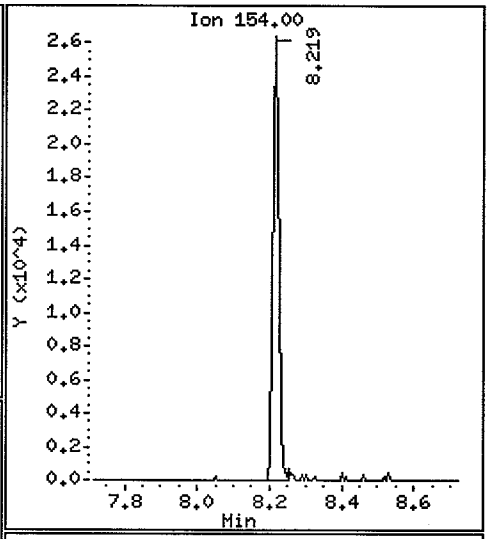
Column phase: ZB-5

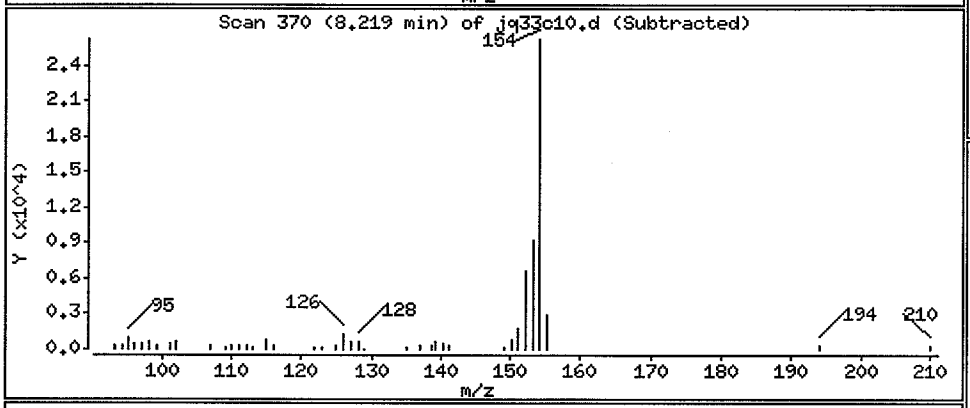
Column diameter: 0.25

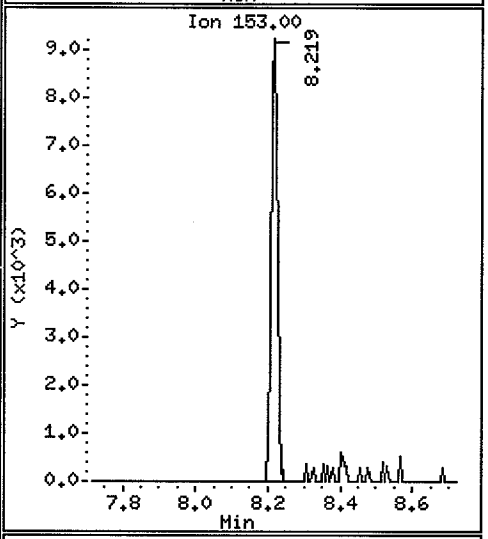
48 Biphenyl

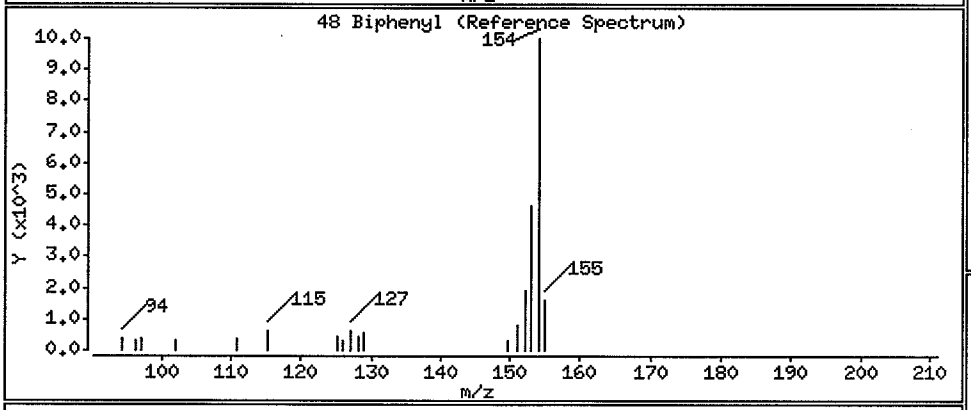
Concentration: 154.5 ug/kg

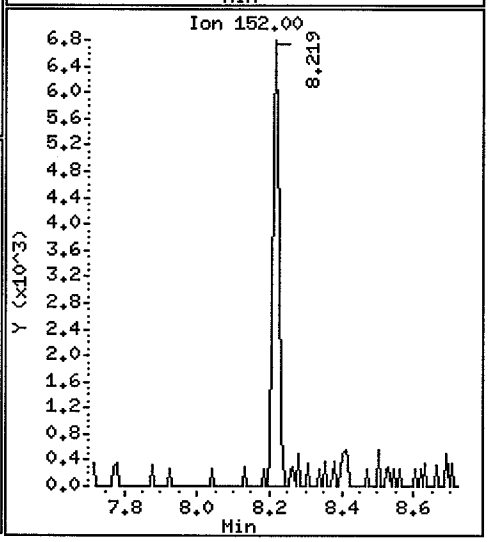


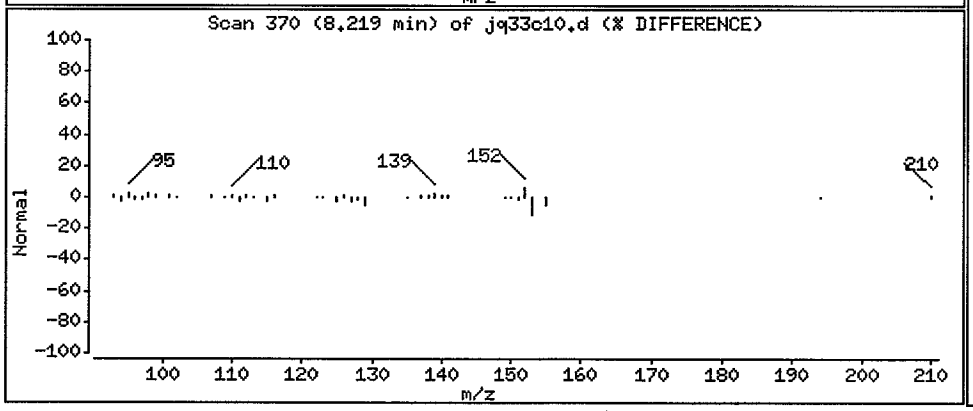












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

Operator: VTS

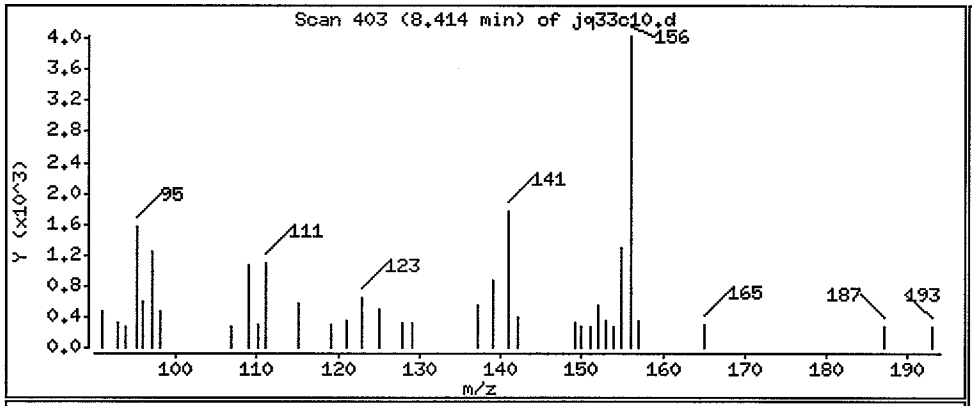
Column phase: ZB-5

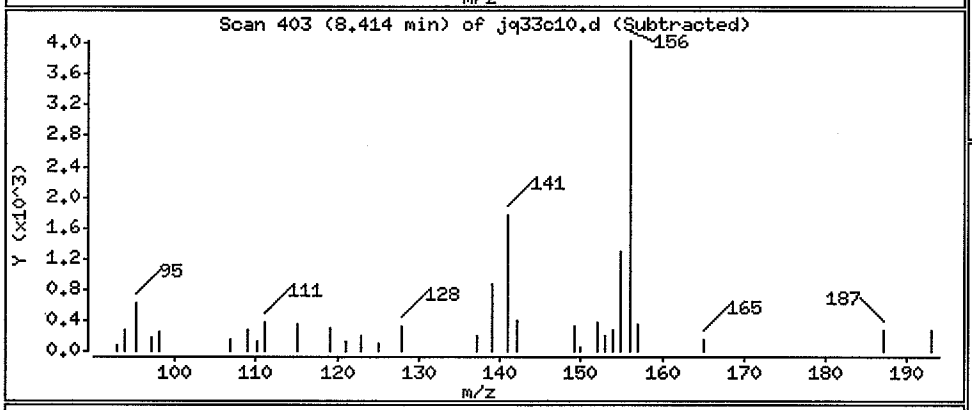
Column diameter: 0.25

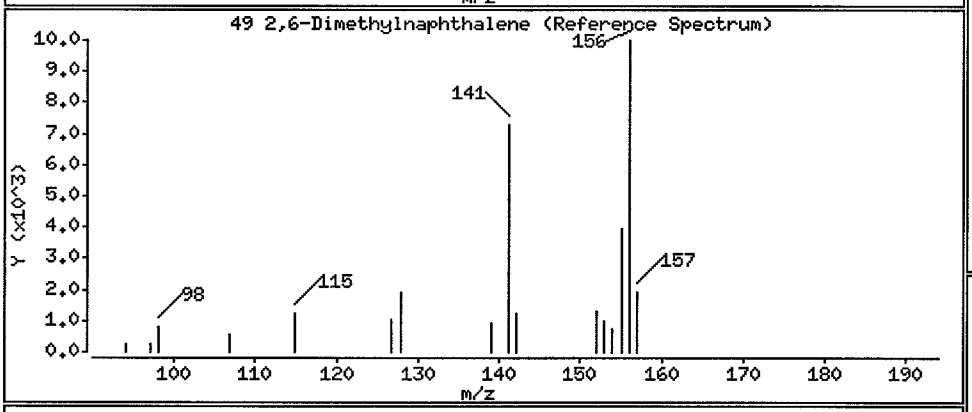
NOT Reviewed
J LR 8/8/06

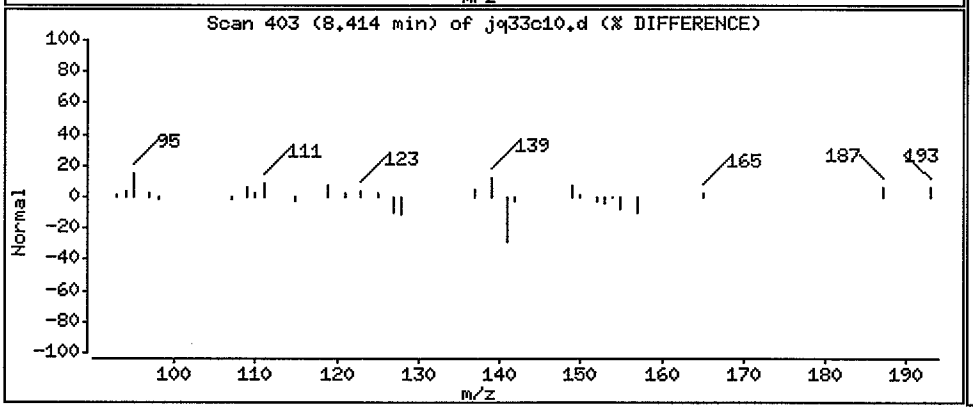
49 2,6-Dimethylnaphthalene

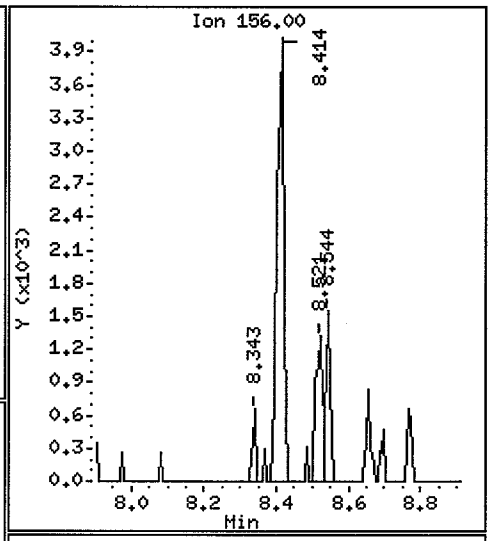
Concentration: 34.81 ug/kg

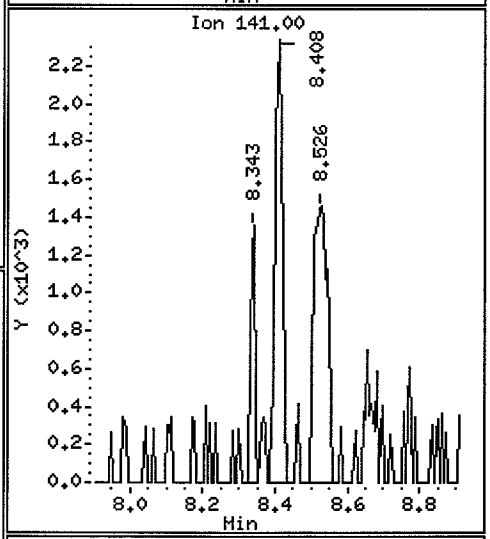


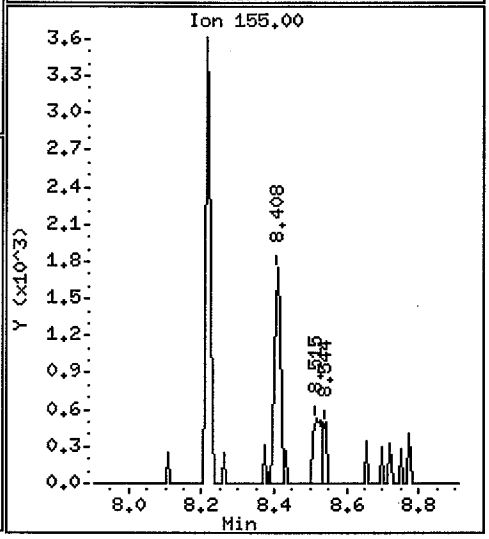












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

Operator: VTS

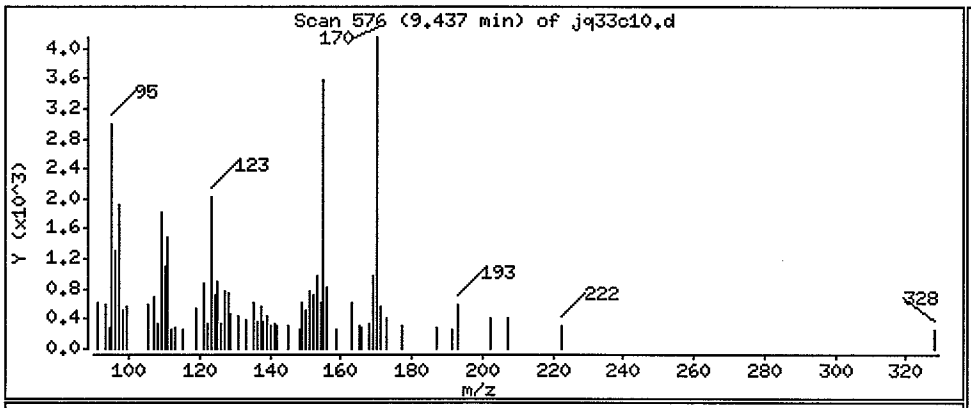
Column phase: ZB-5

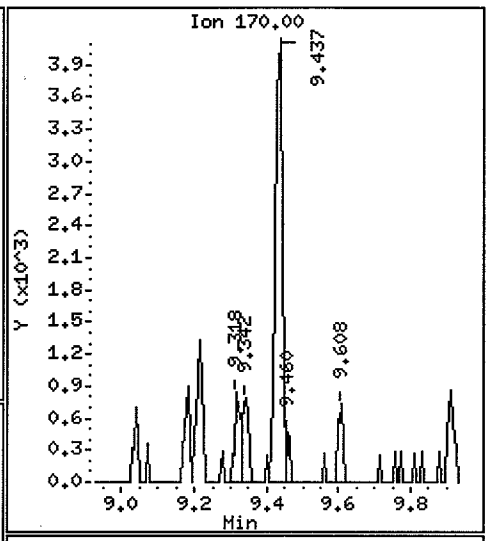
Column diameter: 0.25

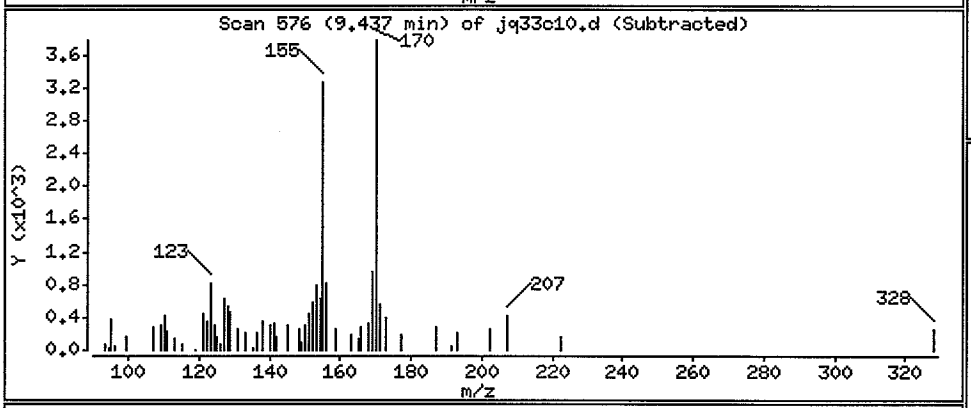
50 2,3,5-Trimethylnaphthalene

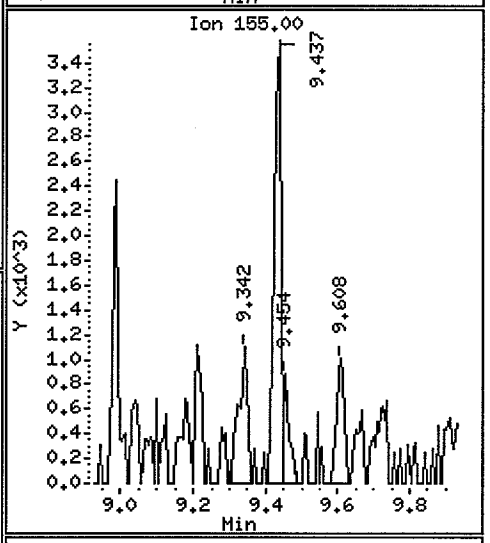
Concentration: 44.92 ug/kg

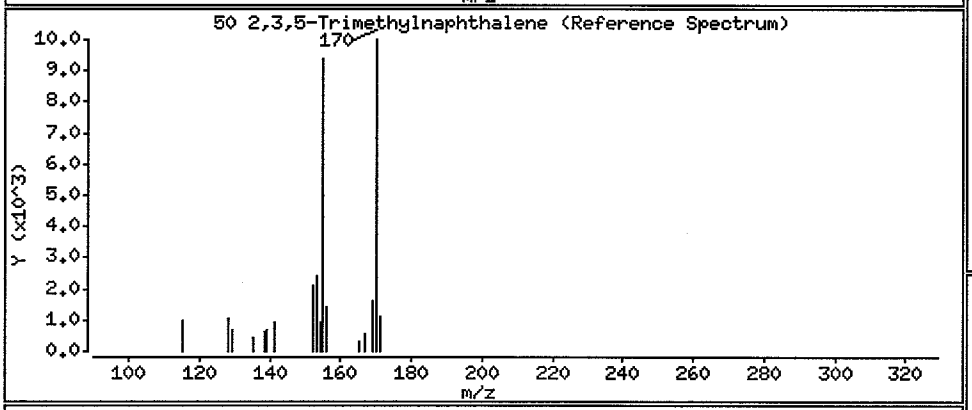
NT Report 8/8/06

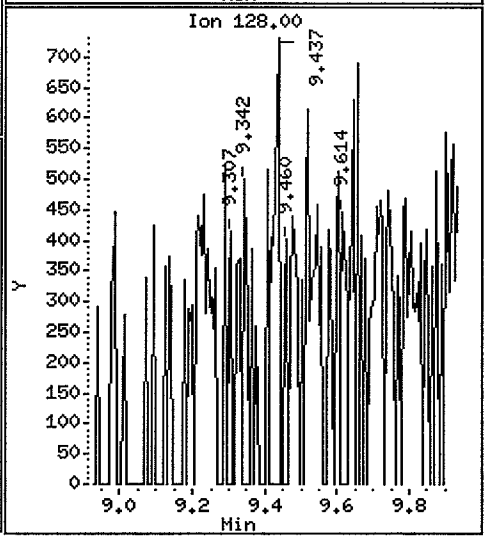


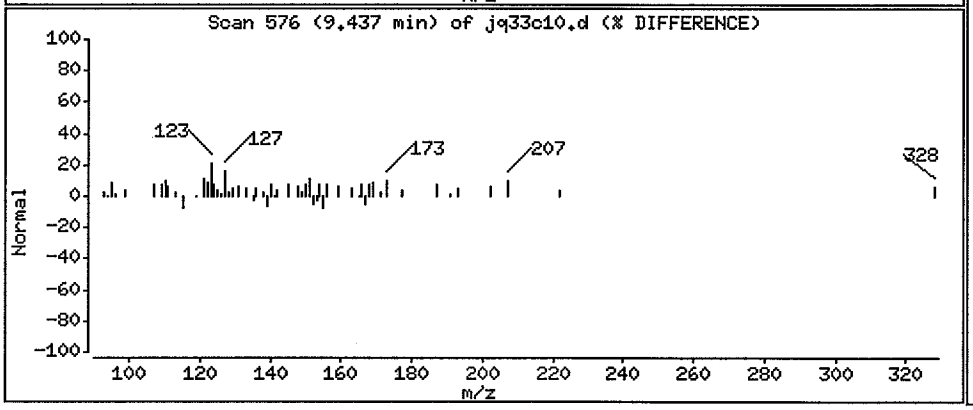












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

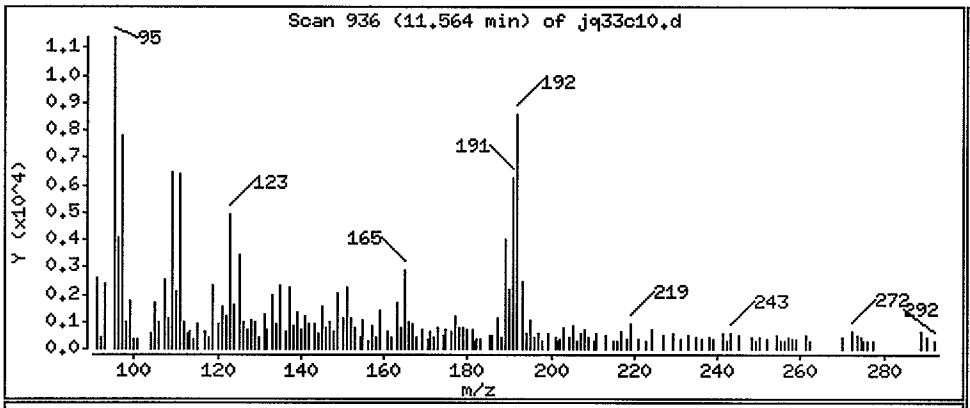
Operator: VTS

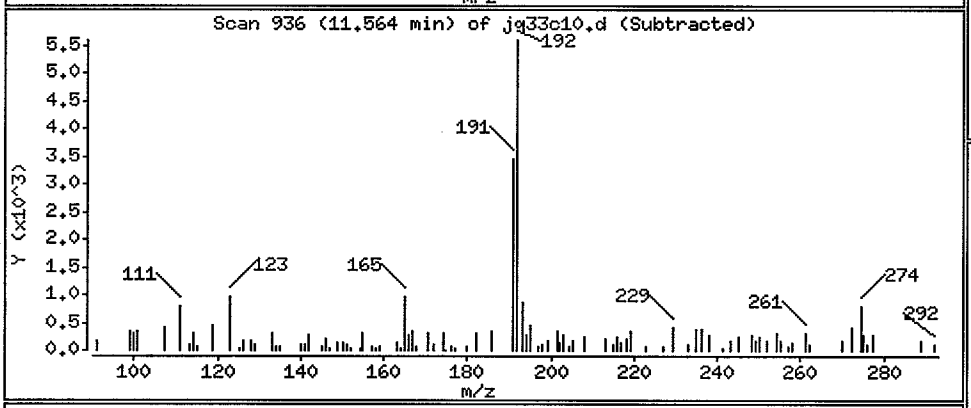
Column phase: ZB-5

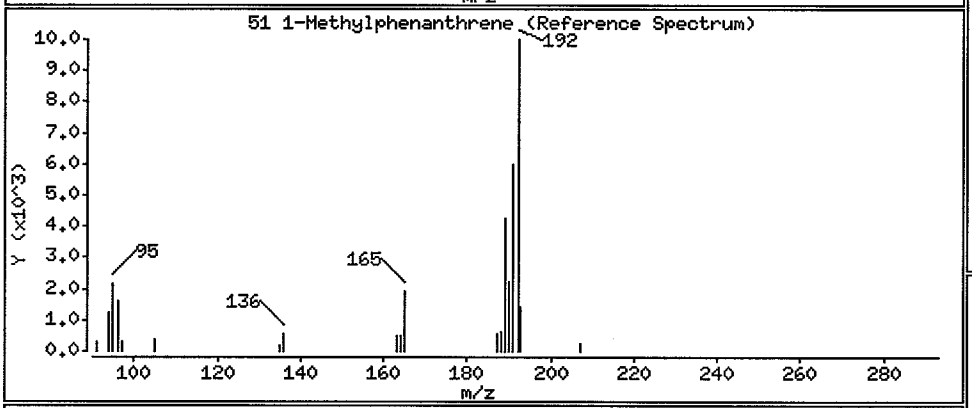
Column diameter: 0.25

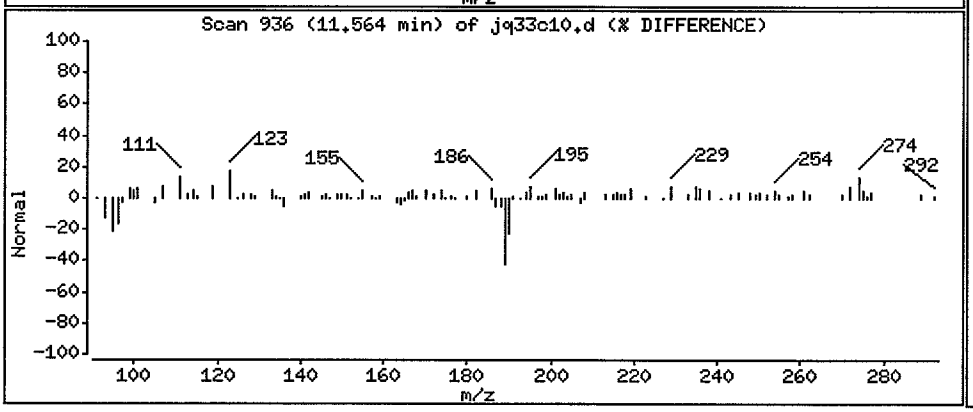
51 1-Methylphenanthrene

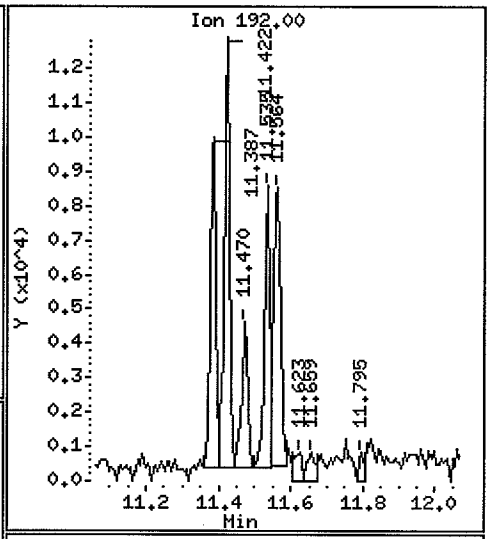
Concentration: 65.06 ug/kg

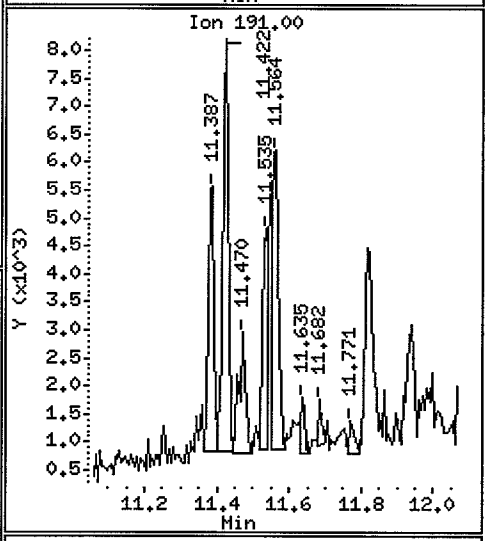


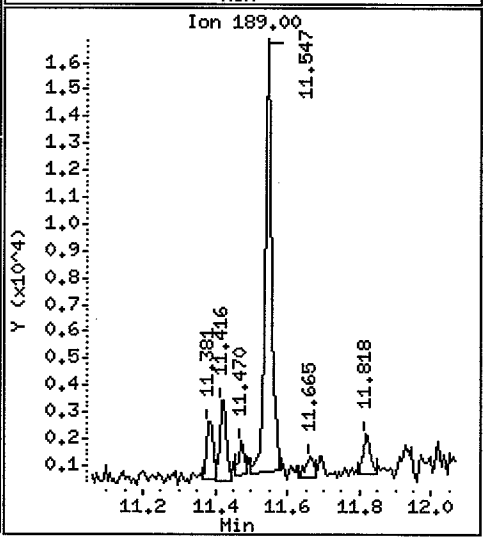












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

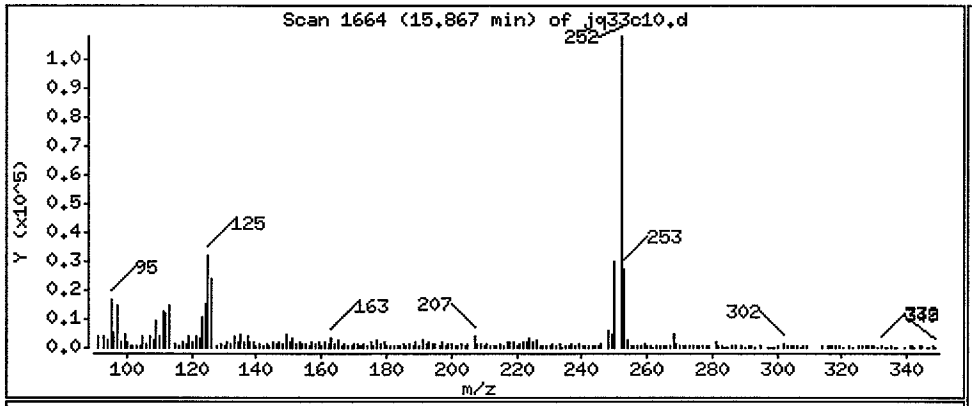
Operator: VTS

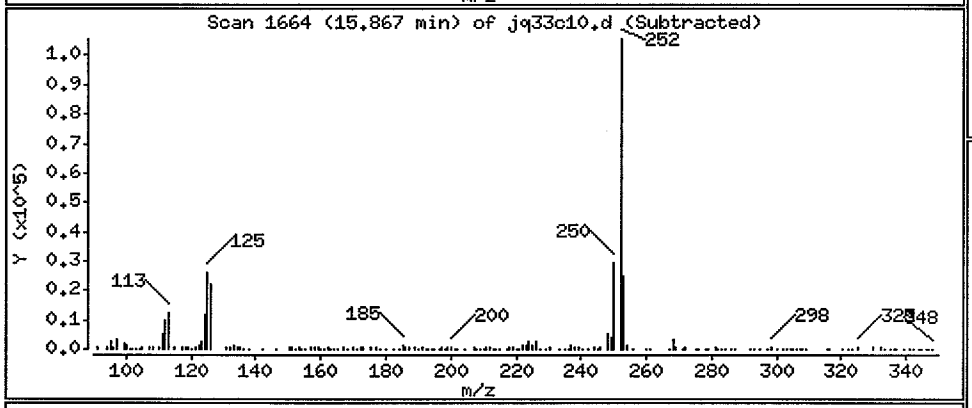
Column phase: ZB-5

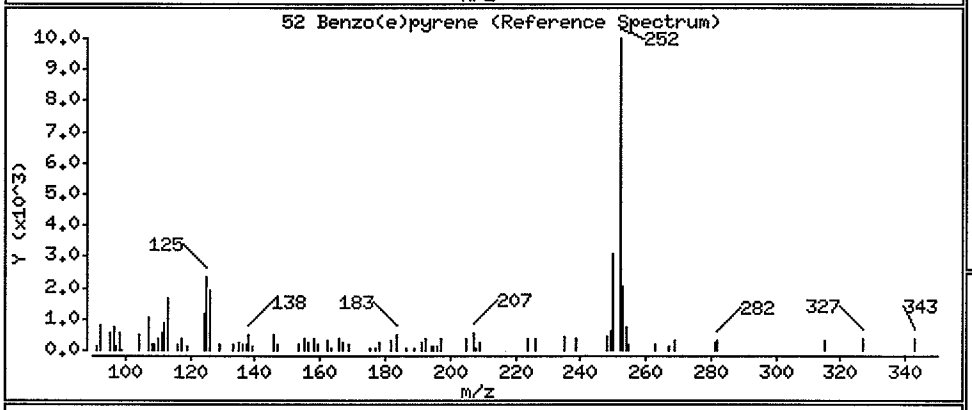
Column diameter: 0.25

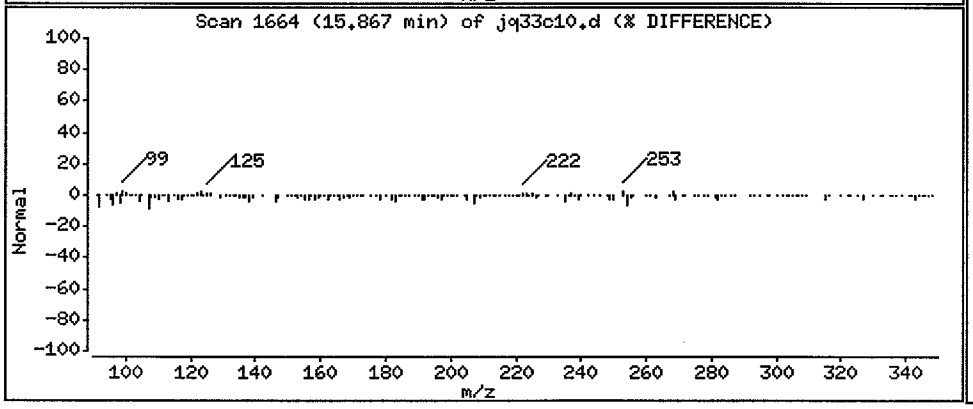
52 Benzo(e)pyrene

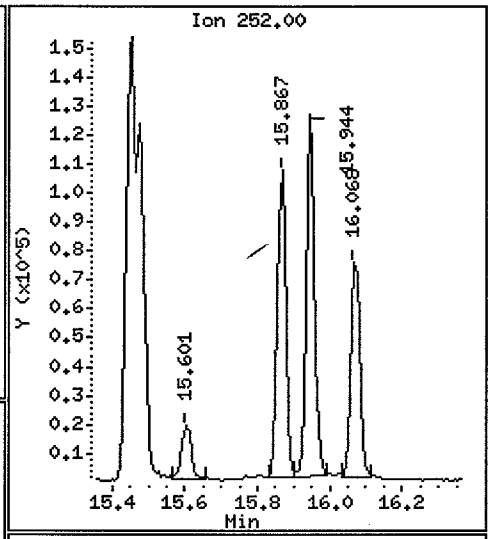
Concentration: 638.3 ug/kg

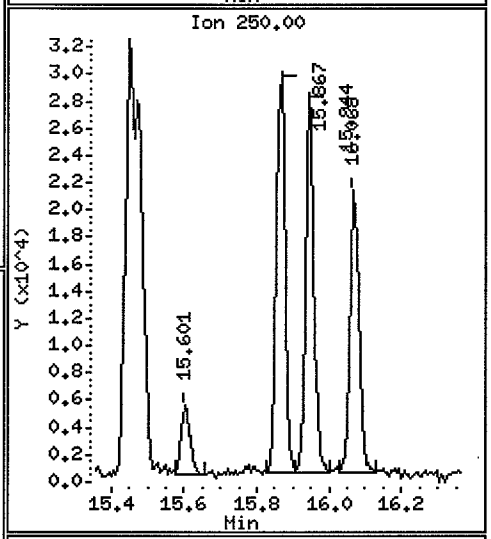


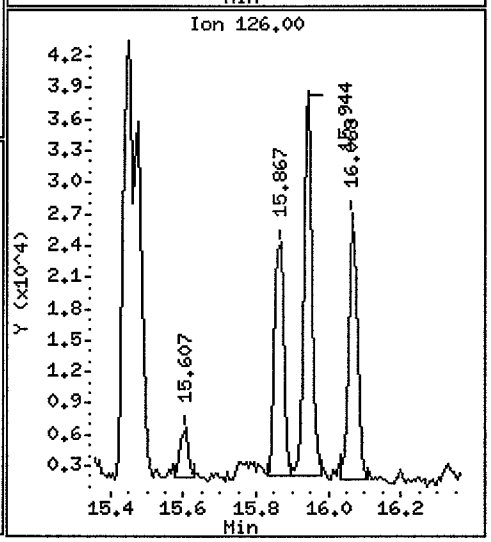












Data File: /chem3/nt1.i/20060804.b/jq33c10.d

Date : 04-AUG-2006 16:12

Client ID: T4-B414-01-C

Instrument: nt1.i

Sample Info: JQ33C,10

Volume Injected (uL): 1.0

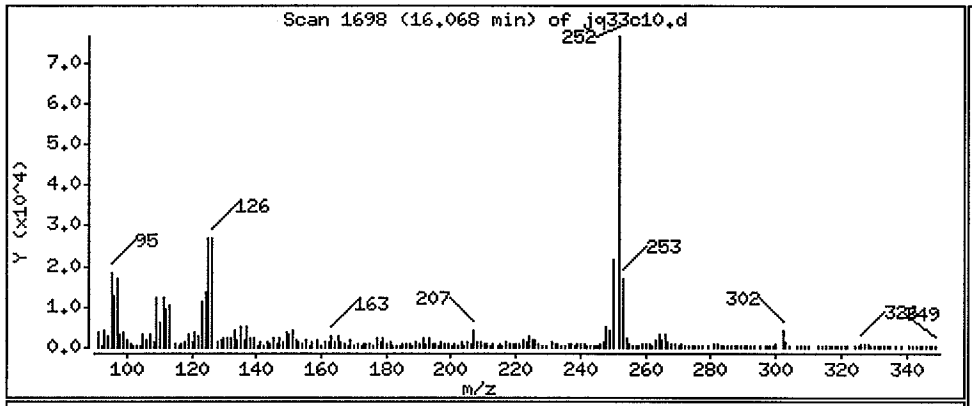
Operator: VTS

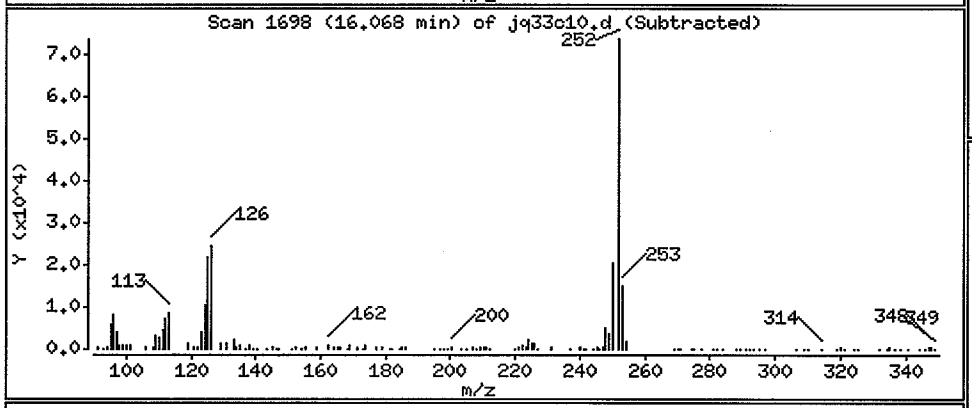
Column phase: ZB-5

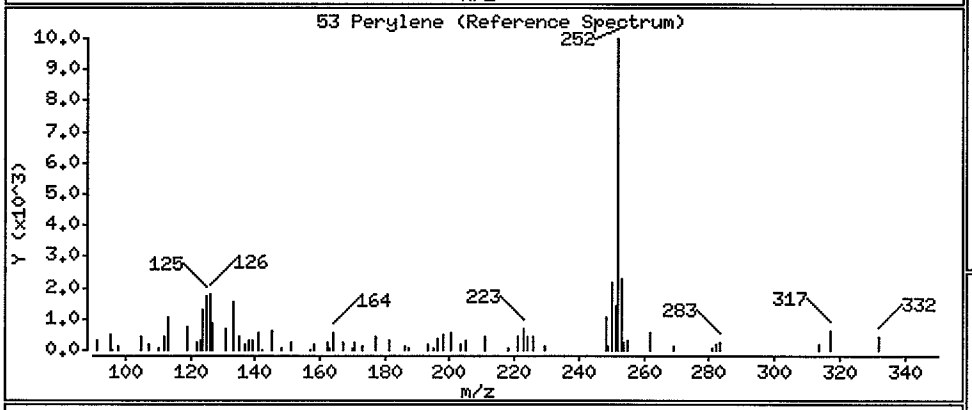
Column diameter: 0.25

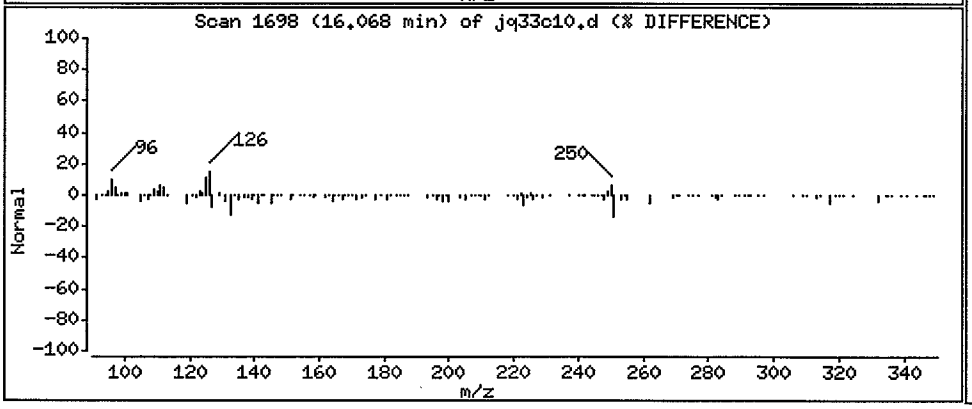
53 Perylene

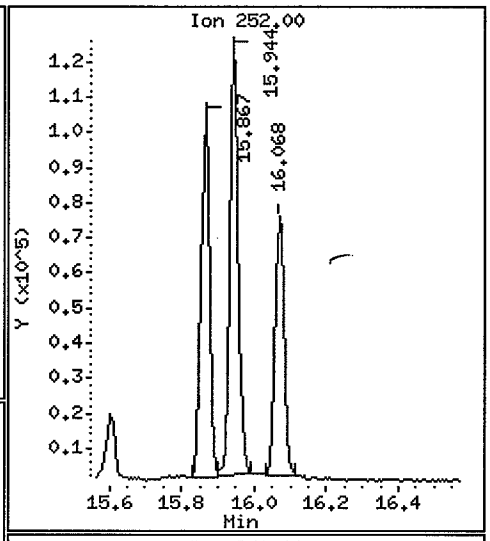
Concentration: 512.4 ug/kg

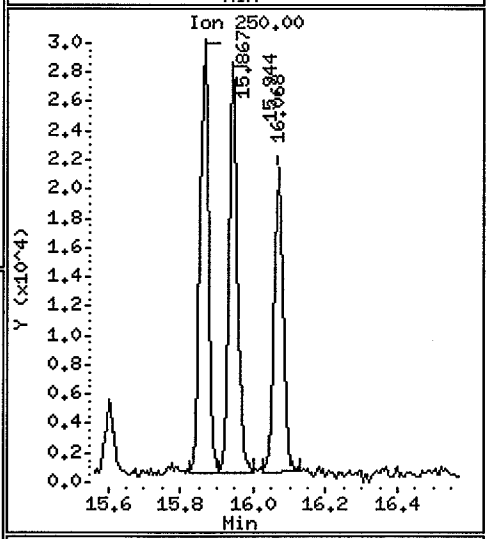


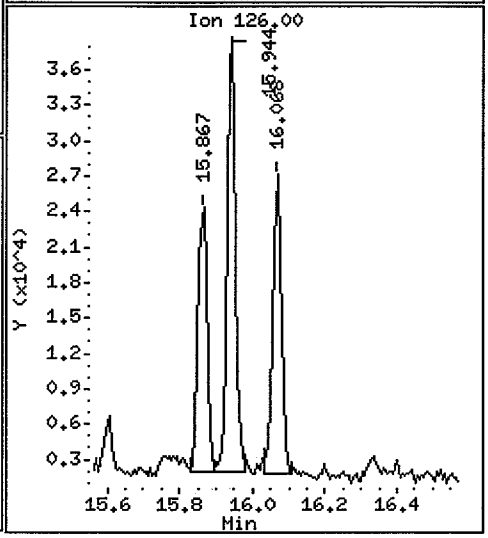




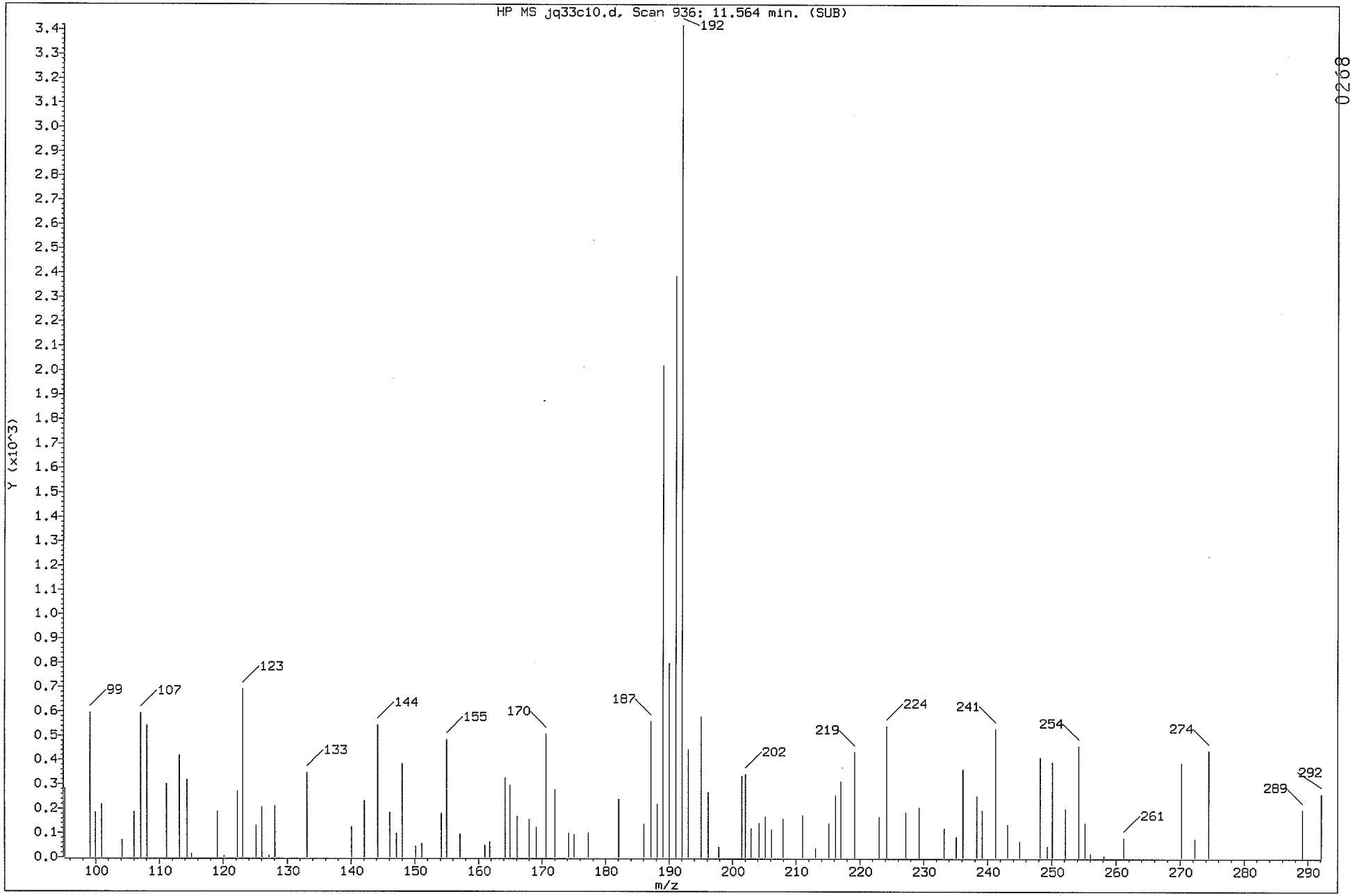








Data File: /chem3/nt1.i/20060804.b/jq33c10.d
Injection Date: 04-AUG-2006 16:12
Instrument: nt1.i
Client Sample ID: T4-B414-01-C



ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-02-A
SAMPLE

Lab Sample ID: JQ33D
LIMS ID: 06-12926
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 16:37
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 49.7%
pH: 7.2

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	50	180	
91-57-6	**2-Methylnaphthalene**	50	89	
90-12-0	**1-Methylnaphthalene**	50	50	
208-96-8	Acenaphthylene	50	< 50	U
83-32-9	**Acenaphthene**	50	540	
86-73-7	**Fluorene**	50	220	
85-01-8	**Phenanthrene**	50	1,900	B
120-12-7	**Anthracene**	50	310	
206-44-0	**Fluoranthene**	50	3,900	
129-00-0	**Pyrene**	50	3,000	
56-55-3	**Benzo(a)anthracene**	50	1,800	
218-01-9	**Chrysene**	50	2,600	
205-99-2	**Benzo(b)fluoranthene**	50	2,800	
207-08-9	**Benzo(k)fluoranthene**	50	2,200	
50-32-8	**Benzo(a)pyrene**	50	2,400	
193-39-5	**Indeno(1,2,3-cd)pyrene**	50	1,500	
53-70-3	**Dibenz(a,h)anthracene**	50	510	
191-24-2	**Benzo(g,h,i)perylene**	50	1,700	
198-55-0	**Perylene**	50	870	
92-52-4	**Biphenyl**	50	150	
581-42-0	2,6-Dimethylnaphthalene	50	< 50	U
832-69-9	**1-Methylphenanthrene**	50	110	
192-97-2	**Benzo(e)pyrene**	50	1,600	
2245-38-7	**2,3,5-Trimethylnaphthalene**	50	54	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	60.3%
d14-Dibenzo(a,h)anthracen	82.0%

YZ 8/7/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33d10.d
Lab Smp Id: JQ33D Client Smp ID: T4-B414-02-A
Inj Date : 04-AUG-2006 16:37
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33D,10
Misc Info : 06-12926
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 16
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	20.10000	Weight of sample extracted (g)
M	49.70000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.886	6.883	(1.000)	250830	2.00000	
	2 Naphthalene	128	6.909	6.907	(1.003)	45221	0.36144	178.7
$	3 2-Methylnaphthalene-d10	152	7.642	7.640	(1.110)	11720	0.18141	89.71
	4 2-Methylnaphthalene	142	7.678	7.681	(1.115)	13494	0.18212	90.07
	5 1-Methylnaphthalene	142	7.808	7.811	(1.134)	7895	0.10158	50.24
	7 Acenaphthylene	152	Compound Not Detected.					
*	8 Acenaphthene-d10	164	8.948	8.946	(1.000)	139170	2.00000	
	9 Acenaphthene	153	8.990	8.987	(1.005)	74127	1.08476	536.5
	10 Dibenzofuran	168	9.173	9.170	(1.025)	20663	0.20528	101.5
	11 Fluorene	166	9.598	9.596	(1.073)	34882	0.44516	220.2
*	15 Phenanthrene-d10	188	10.763	10.760	(1.000)	226881	2.00000	
	16 Phenanthrene	178	10.792	10.790	(1.003)	449189	3.85721 B	1908
	17 Anthracene	178	10.845	10.843	(1.008)	72374	0.62189	307.6
	19 Fluoranthene	202	12.287	12.279	(1.142)	936505	7.88433	3899

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	20 Pyrene	202	12.571	12.569	(0.893)	794174	5.99066	2963
	22 Benzo(a)anthracene	228	14.055	14.052	(0.998)	453458	3.64744	1804
*	23 Chrysene-d12	240	14.078	14.070	(1.000)	206452	2.00000	
	24 Chrysene	228	14.108	14.105	(1.002)	593469	5.17548	2560
	28 Benzo(b)fluoranthene	252	15.455	15.447	(0.964)	660001	5.54602	2743
	29 Benzo(k)fluoranthene	252	15.479	15.476	(0.966)	570276	4.49496	2223
	30 Benzo(a)pyrene	252	15.946	15.938	(0.995)	567292	4.89221	2419
*	31 Perylene-d12	264	16.029	16.026	(1.000)	210860	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.997	17.988	(1.123)	409061	3.06753	1517
$	32 Dibenz(a,h)anthrancene-d14	292	17.920	17.906	(1.118)	19866	0.24618	121.7
	34 Dibenz(a,h)anthracene	278	17.985	17.976	(1.122)	111945	1.02759	508.2
	35 Benzo(g,h,i)perylene	276	18.582	18.562	(1.159)	376301	3.39470	1679
	48 Biphenyl	154	8.221	8.219	(0.919)	26725	0.31080	153.7
	49 2,6-Dimethylnaphthalene	156	8.410	8.408	(0.940)	5405	0.07981 J	39.47
	50 2,3,5-Trimethylnaphthalene	170	9.433	9.430	(1.054)	5833	0.10515	52.00
	51 1-Methylphenanthrene	192	11.561	11.564	(0.821)	18169	0.21500	106.3
	52 Benzo(e)pyrene	252	15.869	15.861	(0.990)	418567	3.26098	1613
	53 Perylene	252	16.070	16.068	(1.003)	211176	1.75224	866.6

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33d10.d
Lab Smp Id: JQ33D
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12926

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: T4-B414-02-A
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	250830	12.57
8 Acenaphthene-d10	123591	61796	247182	139170	12.61
15 Phenanthrene-d10	200797	100398	401594	226881	12.99
23 Chrysene-d12	171210	85605	342420	206452	20.58
31 Perylene-d12	183426	91713	366852	210860	14.96

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.89	0.02
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	0.01
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	0.01
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.01
31 Perylene-d12	16.03	15.53	16.53	16.03	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

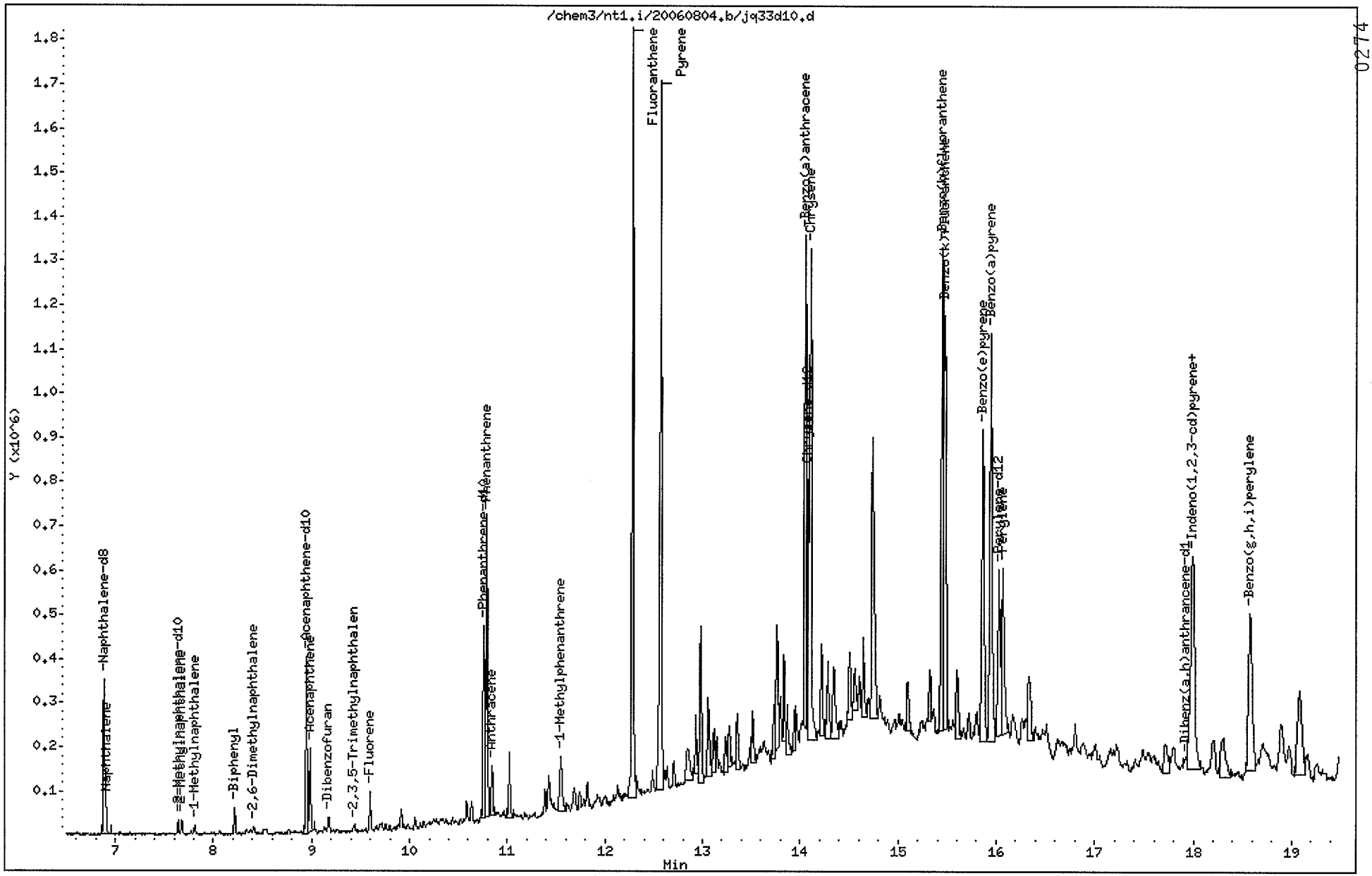
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33D
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12926

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-02-A
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	148.4	89.71	60.47	32-97
$ 32 Dibenz(a,h)anthran	148.4	121.7	82.06	21-105

Data File: /chem3/nt1.i/20060804.b/jq33d10.d
Date : 04-AUG-2006 16:37
Client ID: T4-B414-02-A
Sample Info: JQ33D,10
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

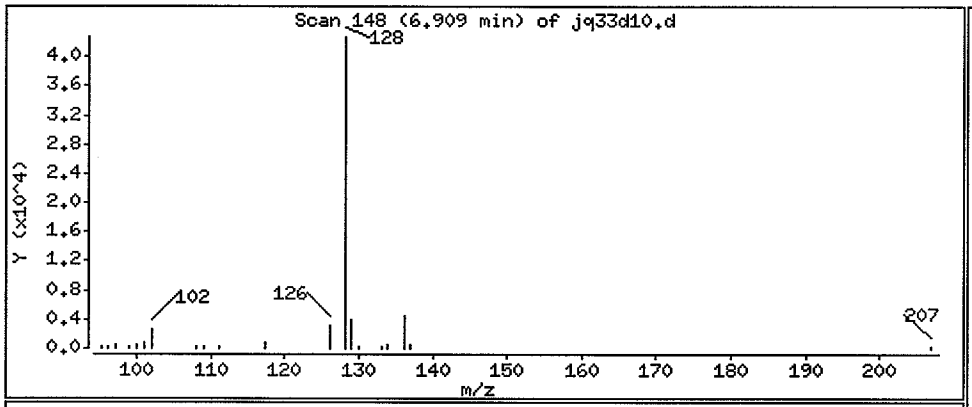
Operator: VTS

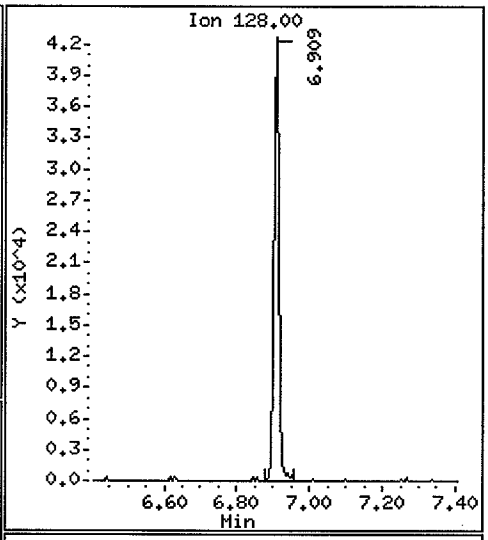
Column phase: ZB-5

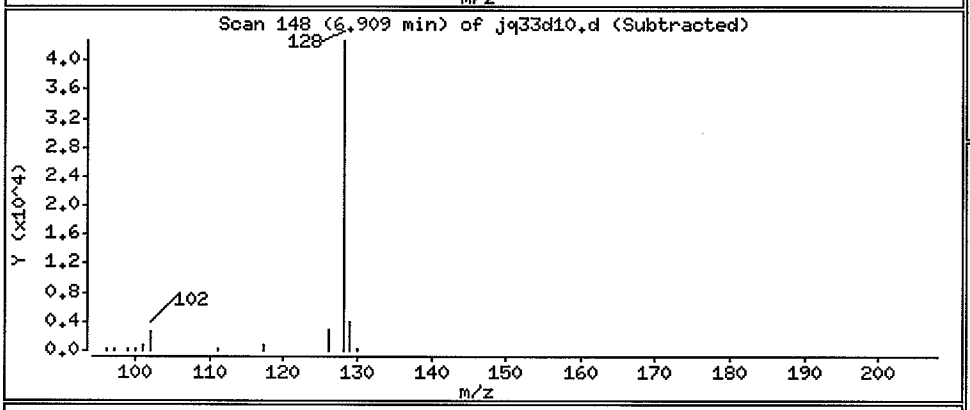
Column diameter: 0.25

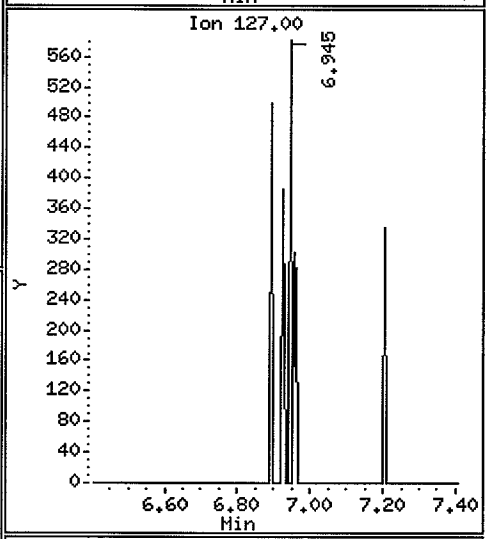
2 Naphthalene

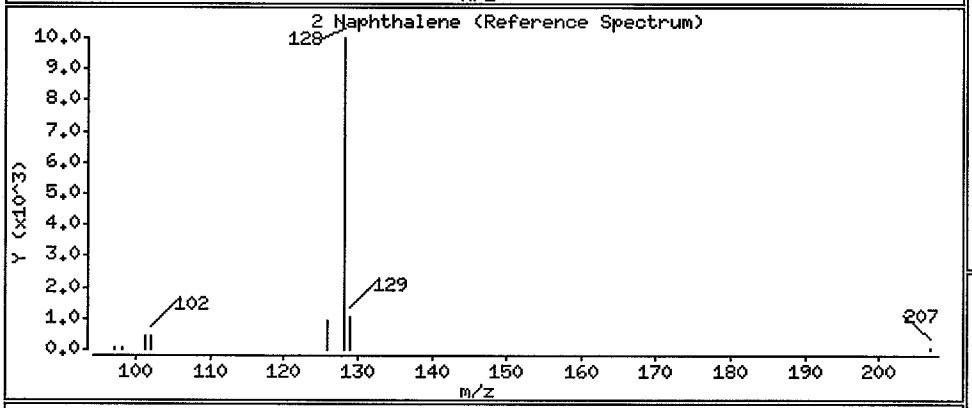
Concentration: 178.7 ug/kg

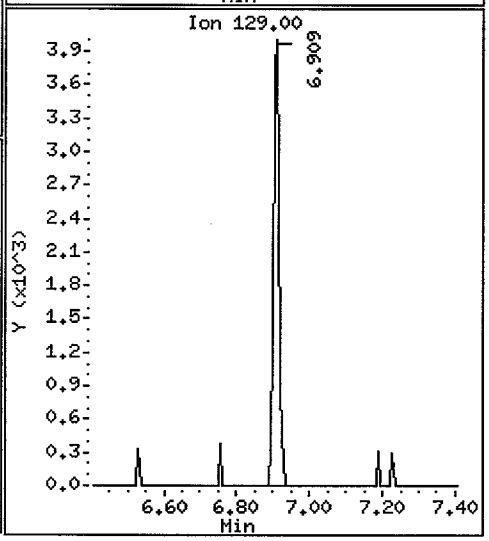


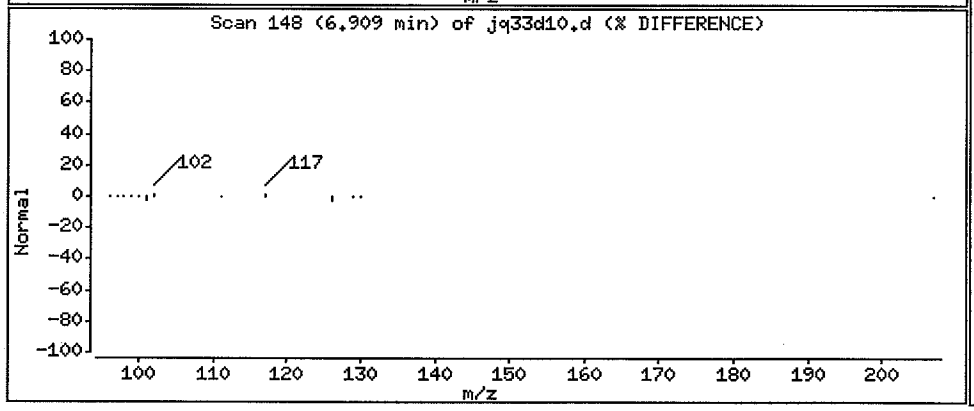












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

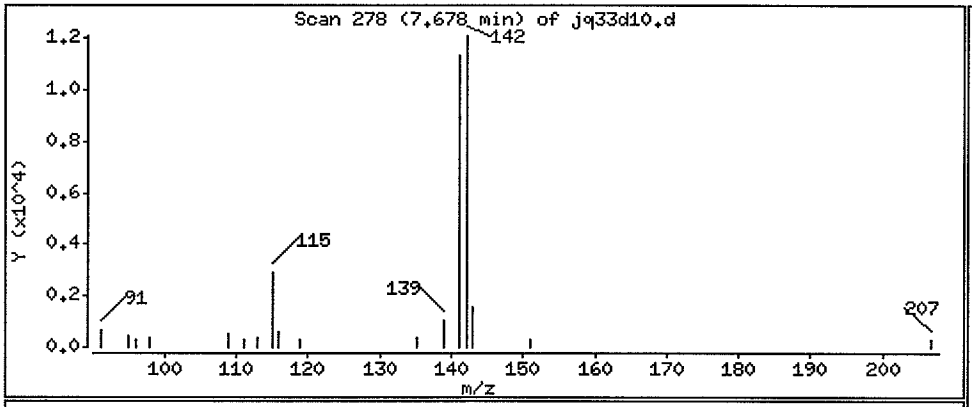
Operator: VTS

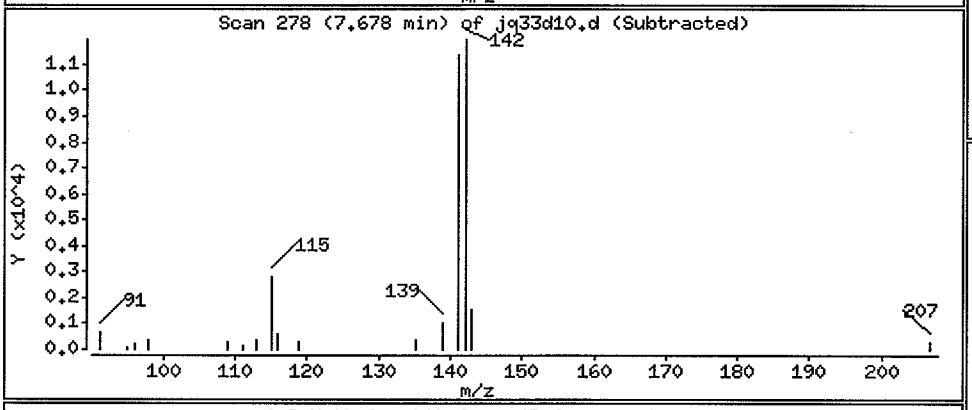
Column phase: ZB-5

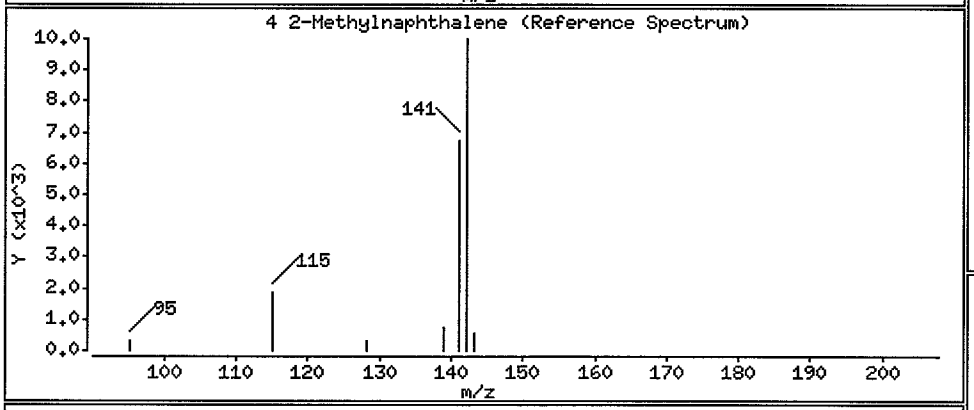
Column diameter: 0.25

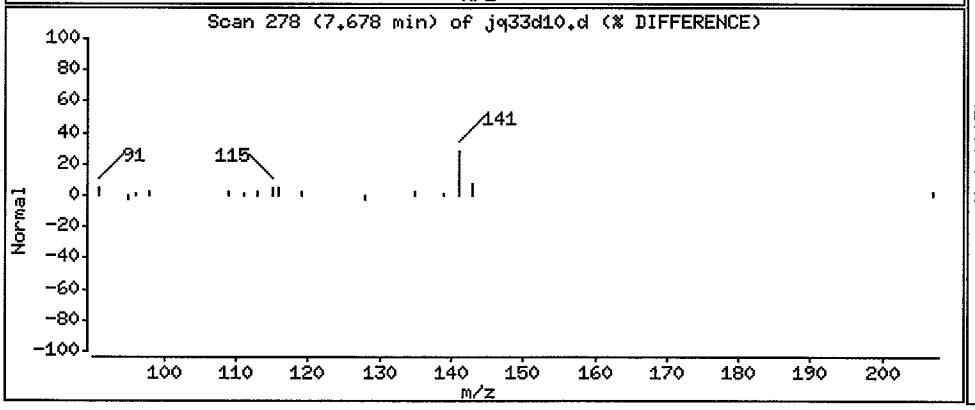
4 2-Methylnaphthalene

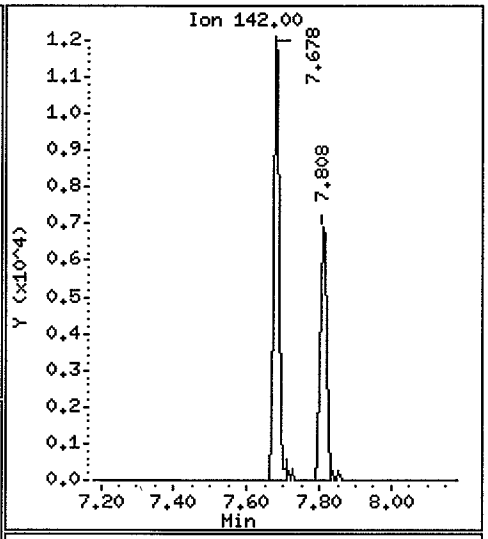
Concentration: 90.07 ug/kg

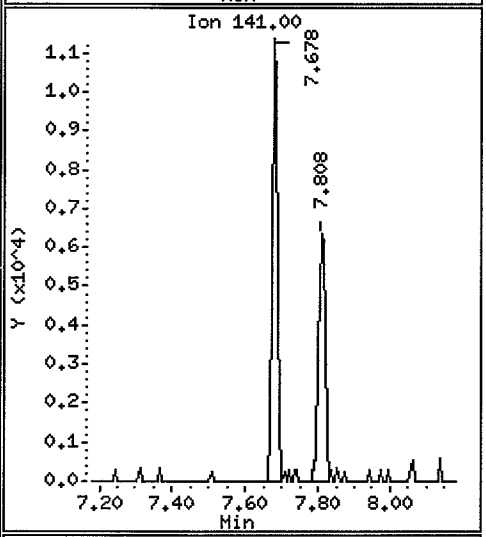


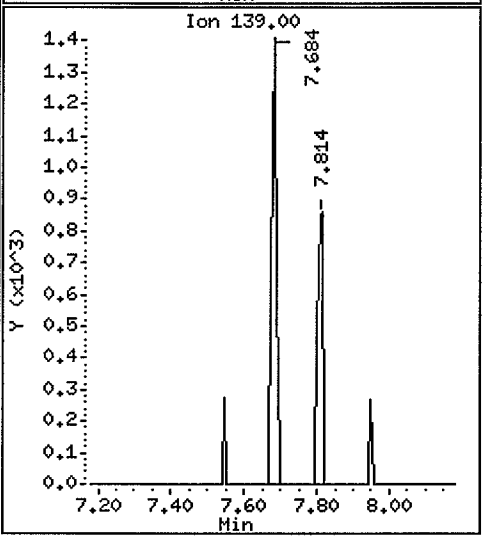












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

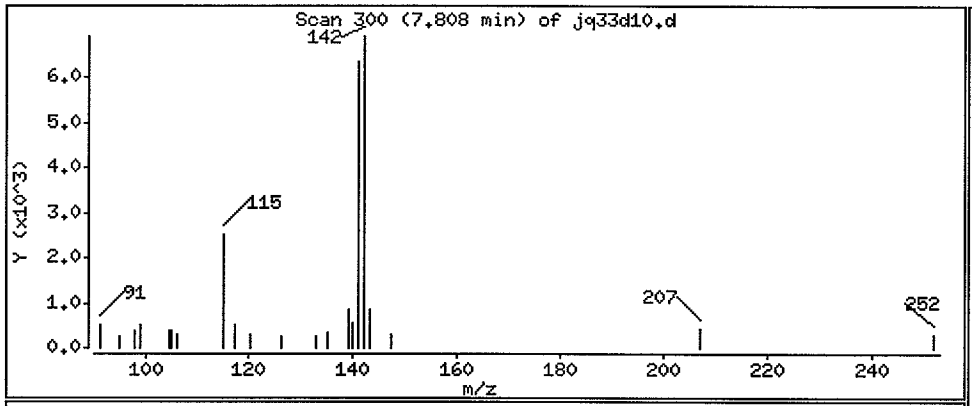
Operator: VTS

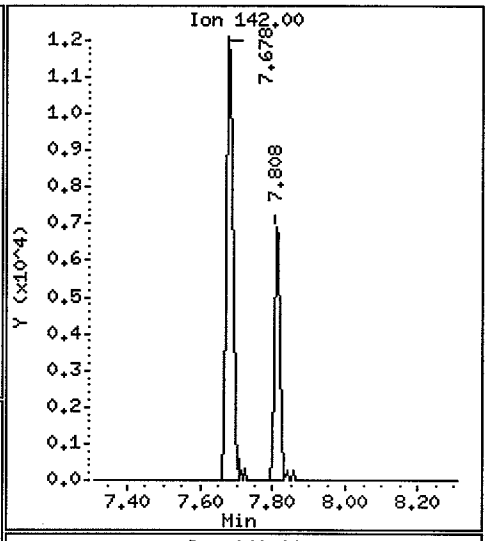
Column phase: ZB-5

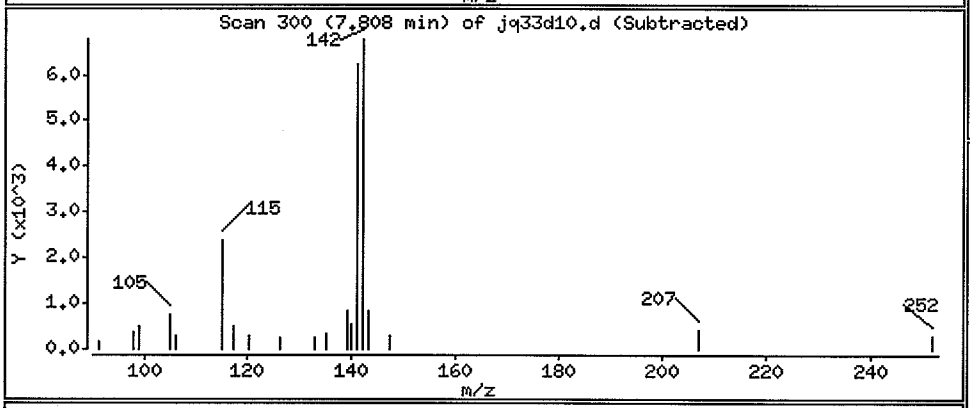
Column diameter: 0.25

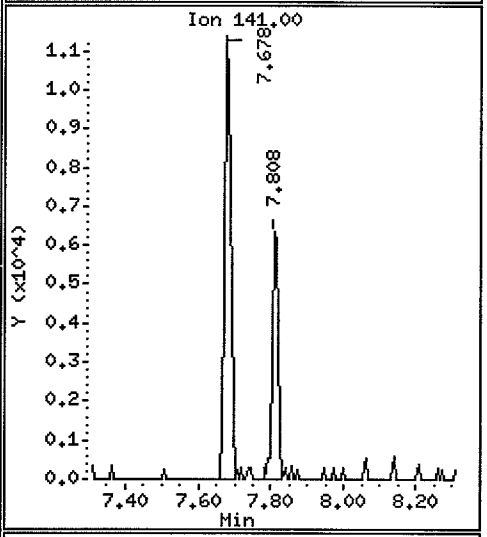
5 1-Methylnaphthalene

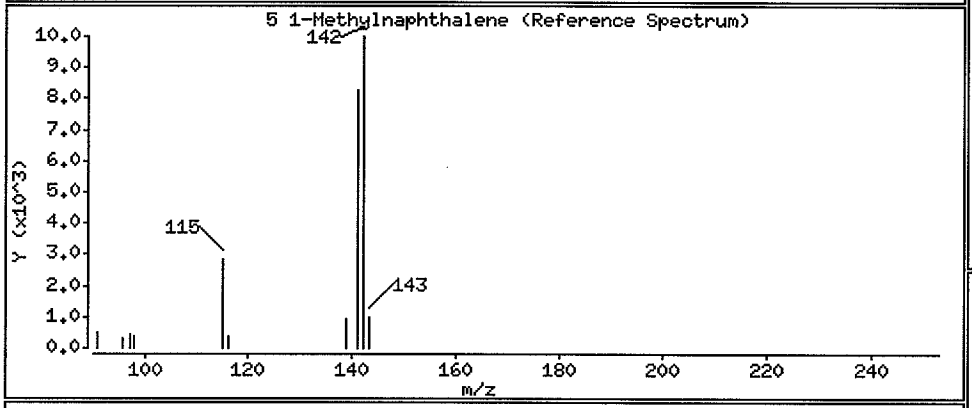
Concentration: 50.24 ug/kg

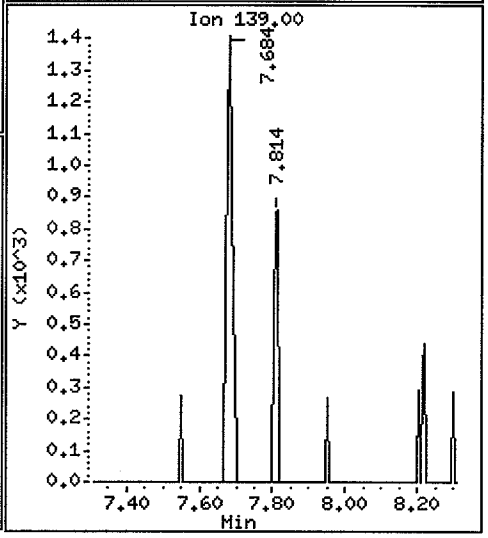


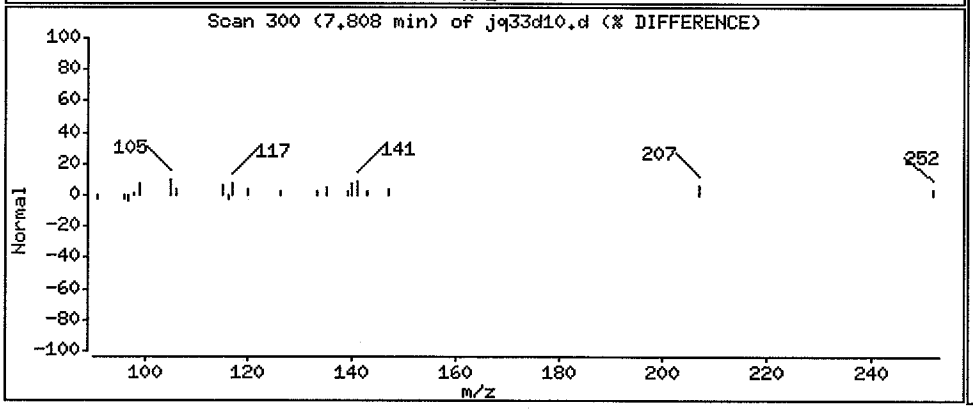












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

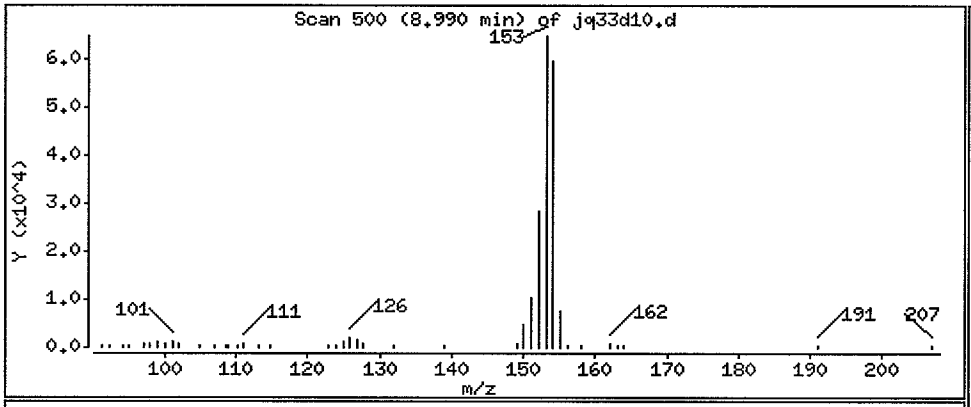
Operator: VTS

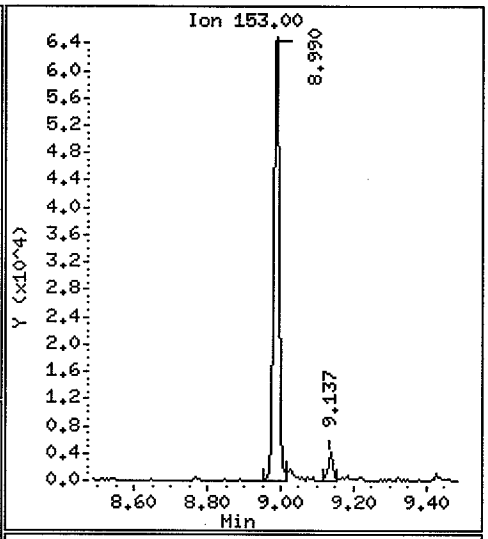
Column phase: ZB-5

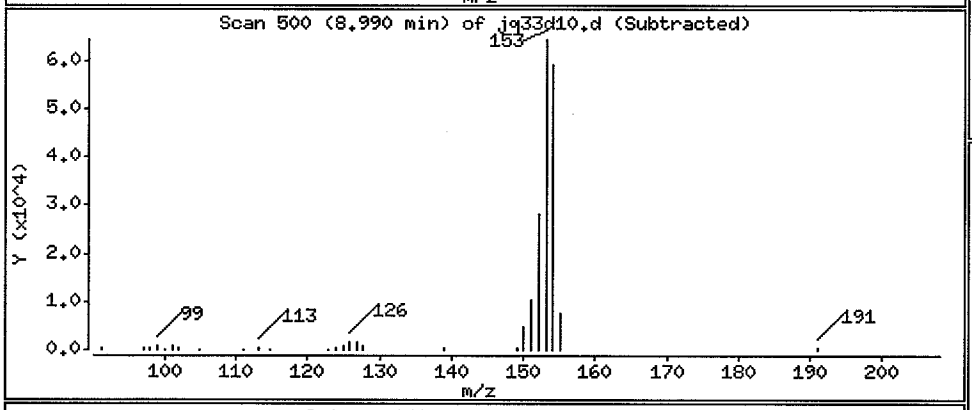
Column diameter: 0.25

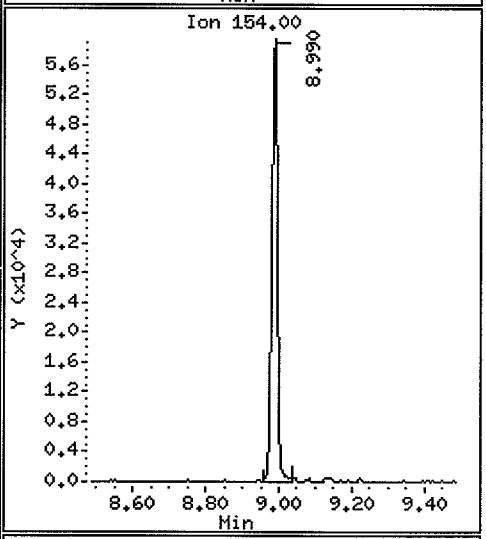
9 Acenaphthene

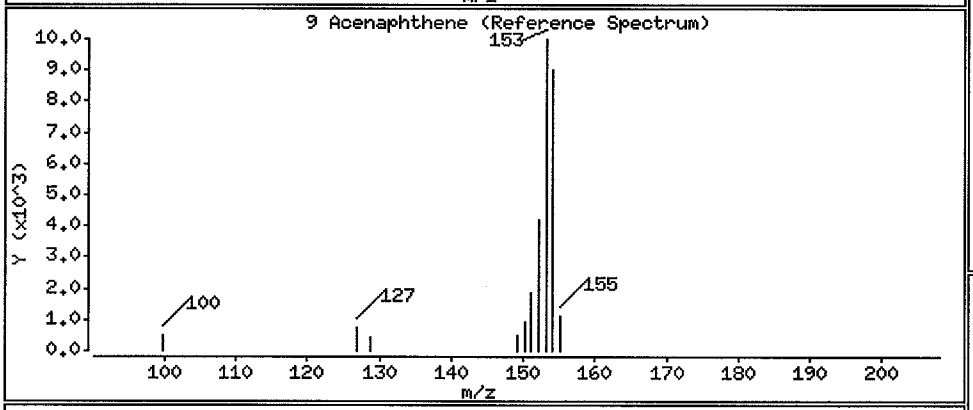
Concentration: 536.5 ug/kg

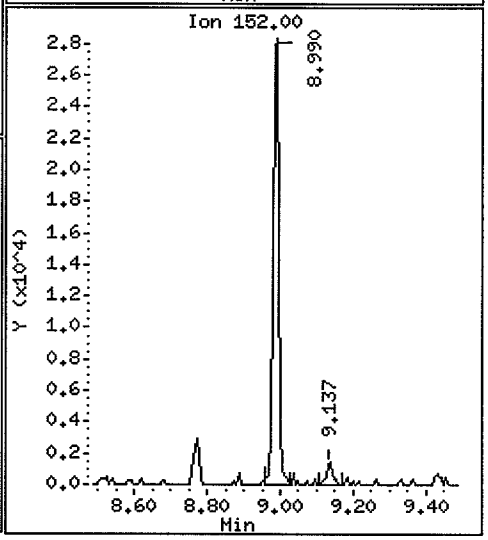


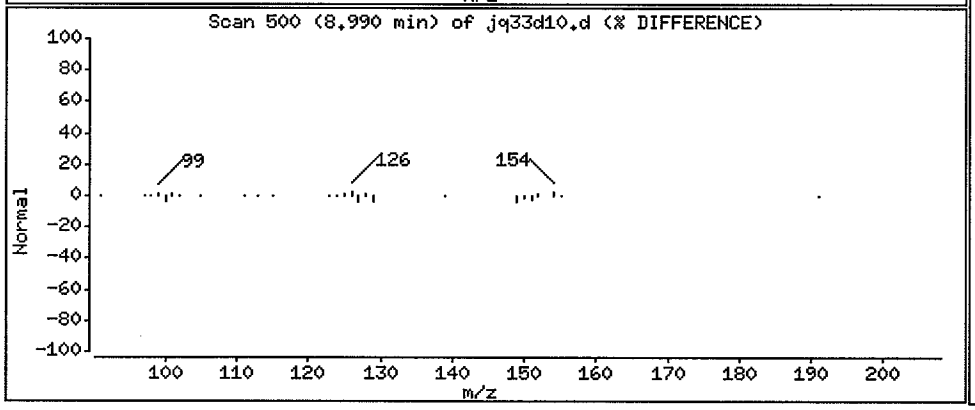












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

Operator: VTS

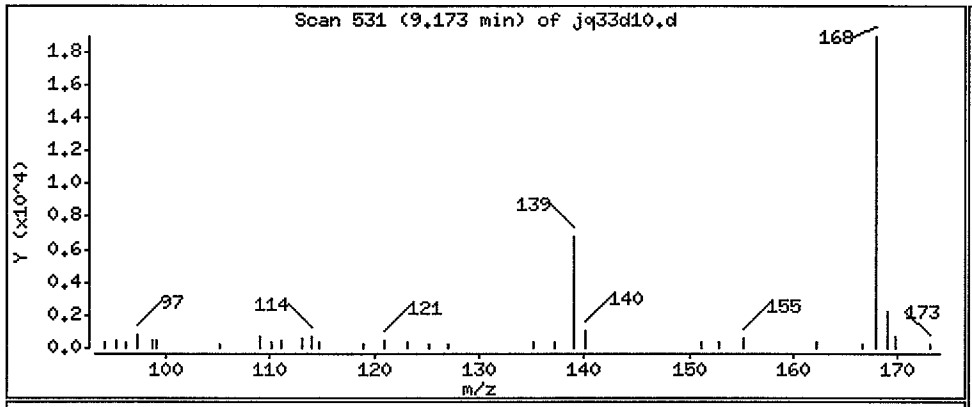
Column phase: ZB-5

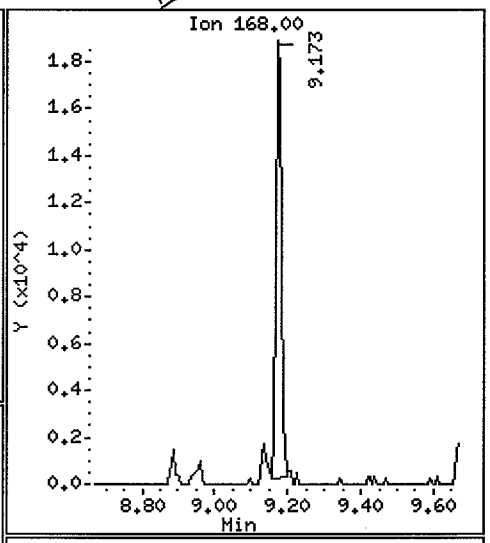
Column diameter: 0.25

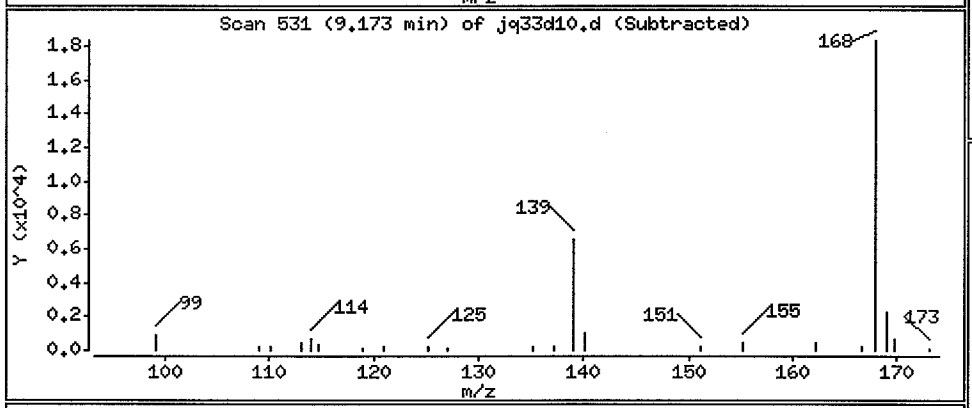
10 Dibenzofuran

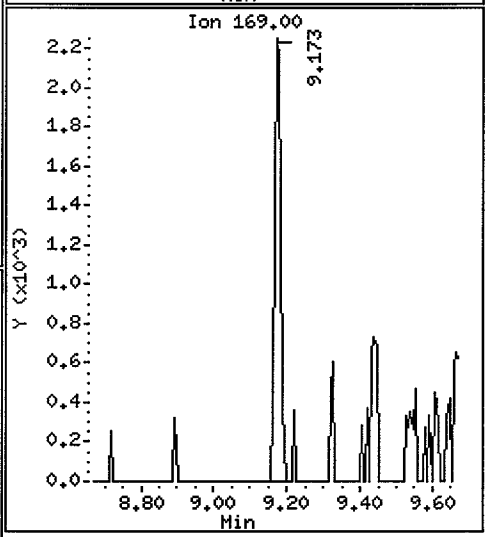
Concentration: 101.5 ug/kg

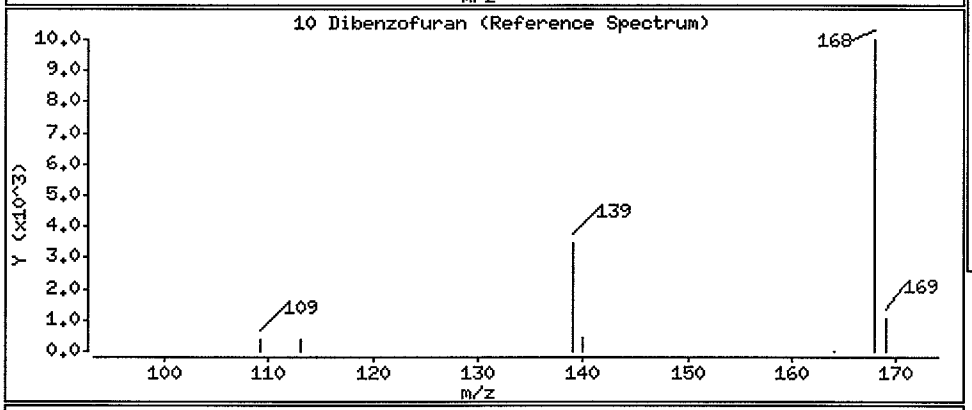
NR cpd

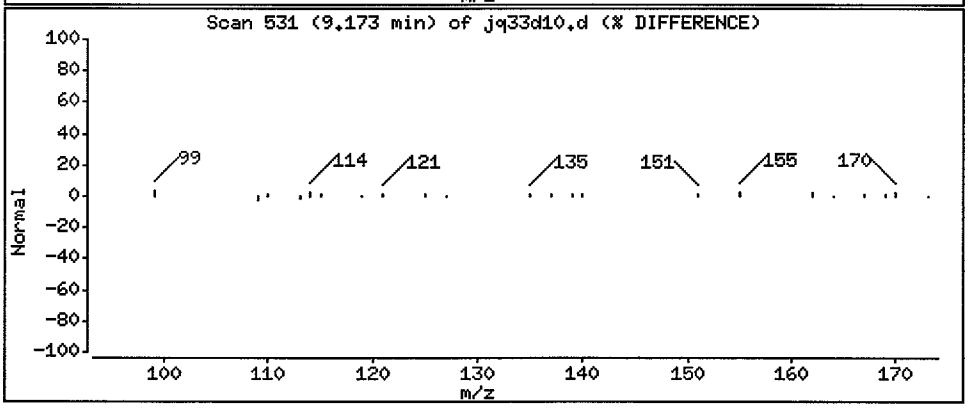












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

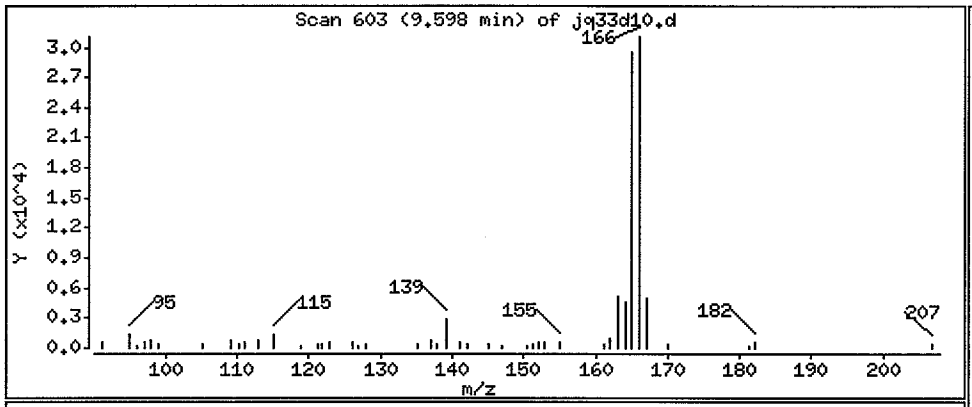
Operator: VTS

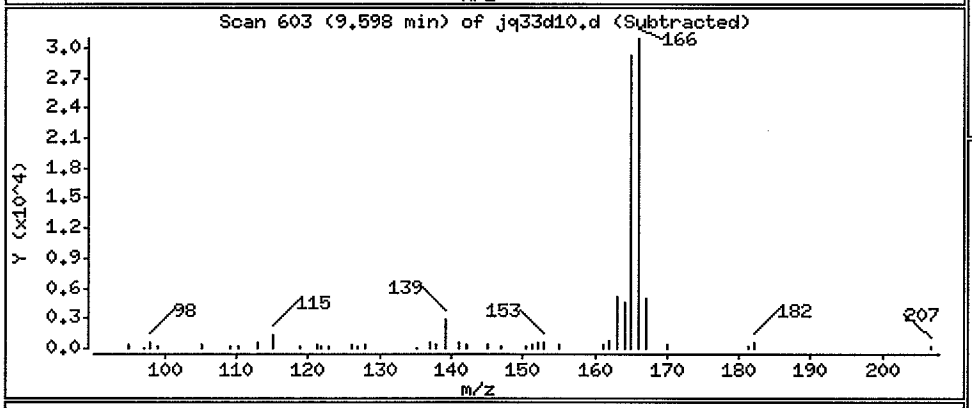
Column phase: ZB-5

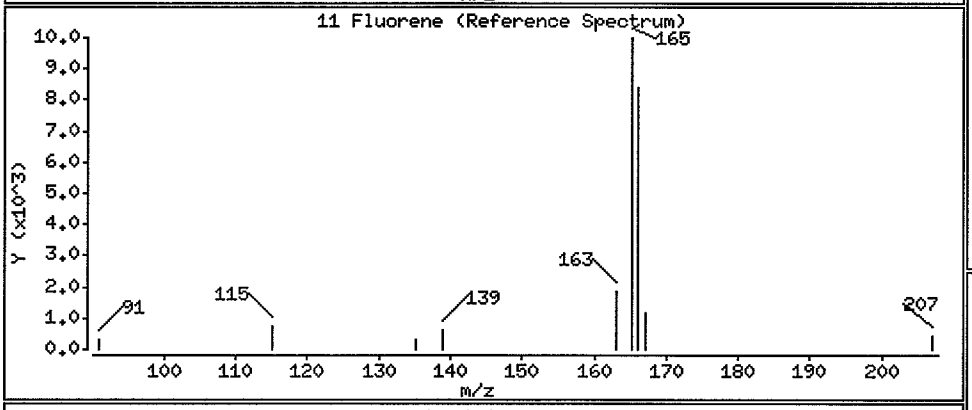
Column diameter: 0.25

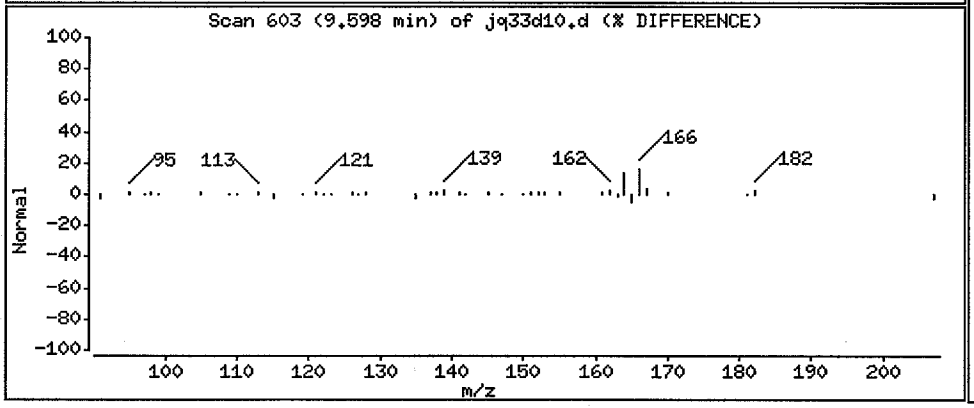
11 Fluorene

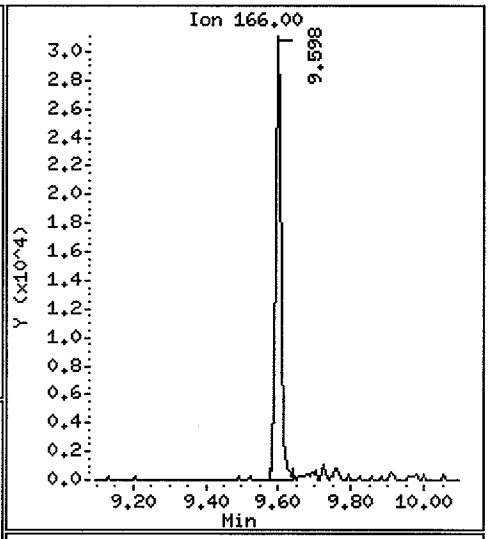
Concentration: 220.2 ug/kg

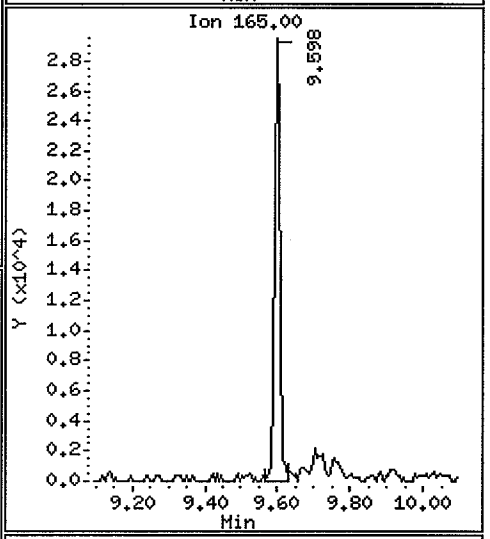


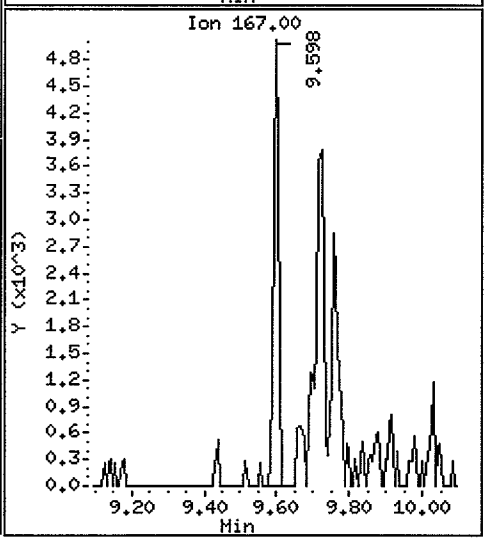












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

Operator: VTS

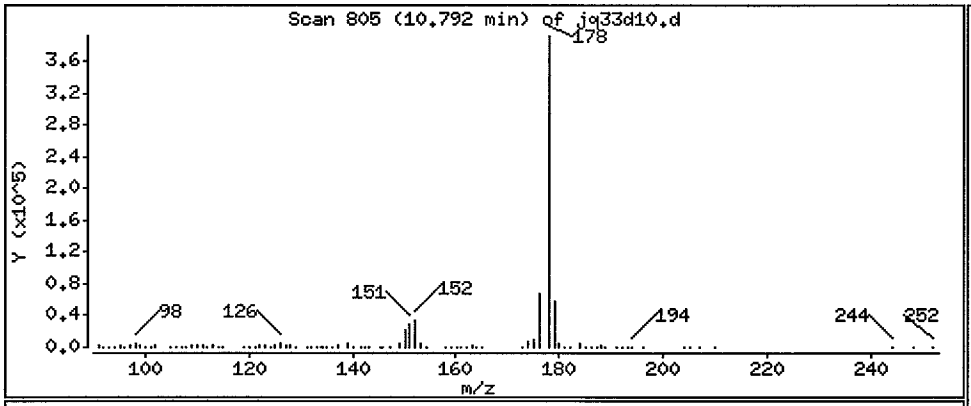
Column phase: ZB-5

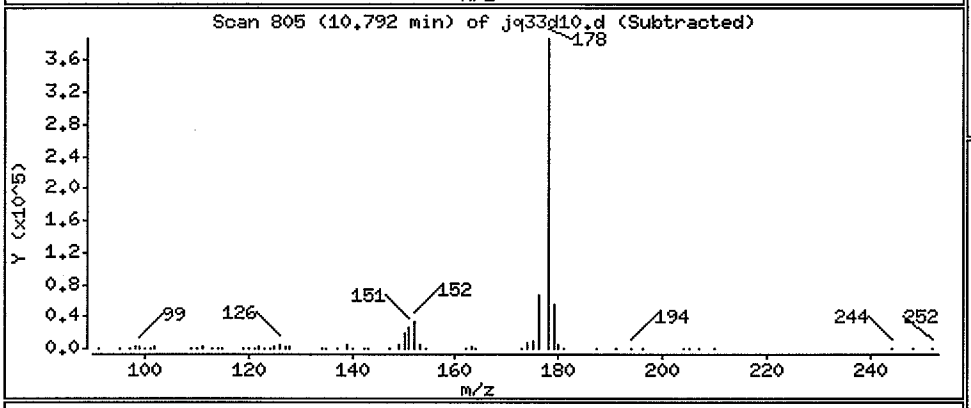
Column diameter: 0.25

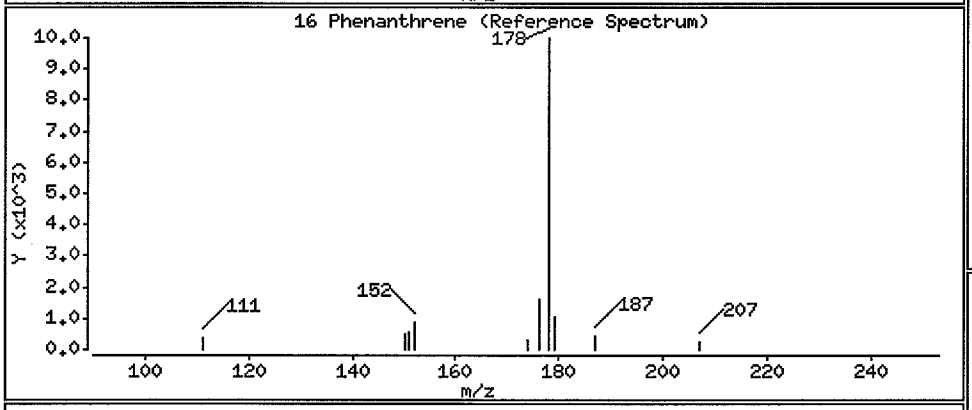
16 Phenanthrene

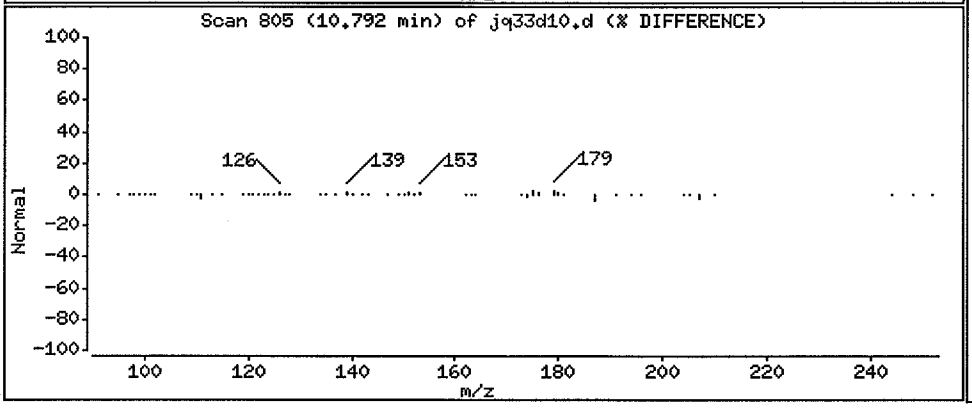
Concentration: 1908 ug/kg

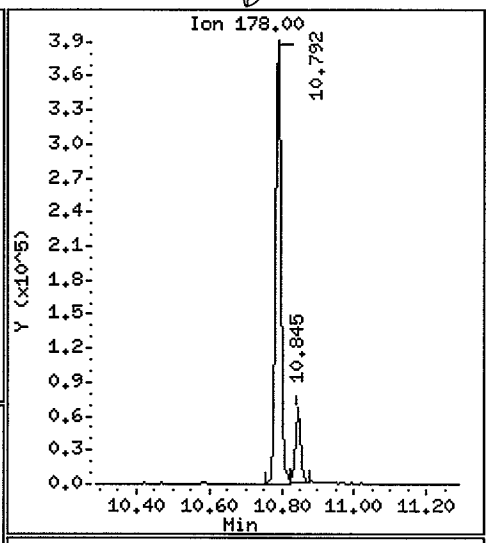
B

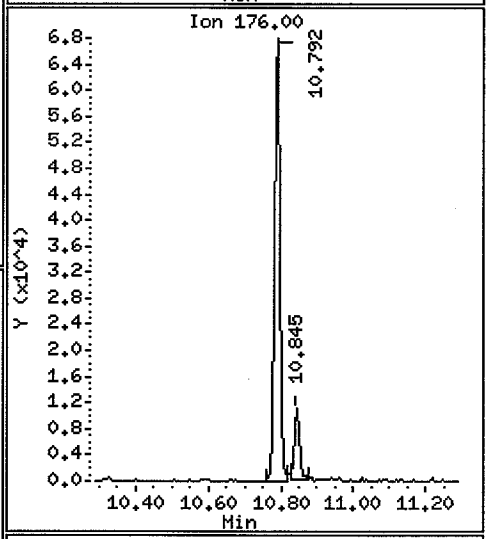


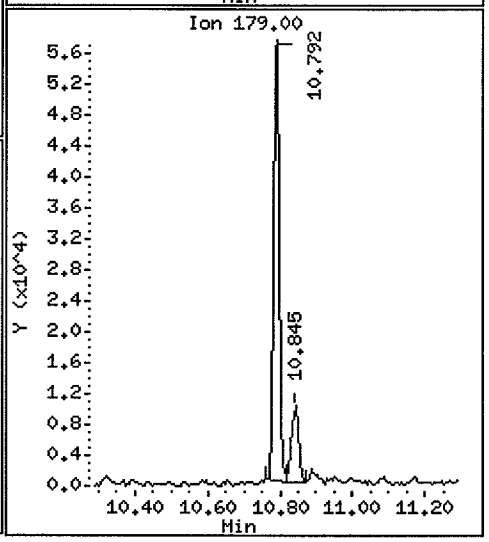












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

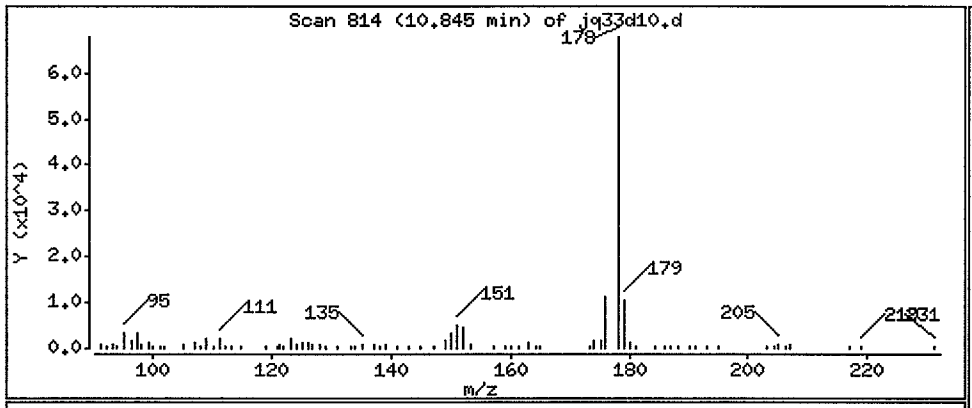
Operator: VTS

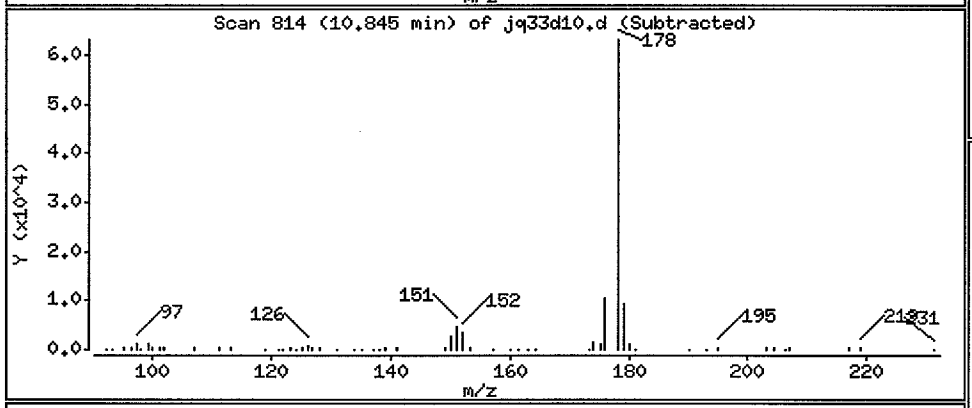
Column phase: ZB-5

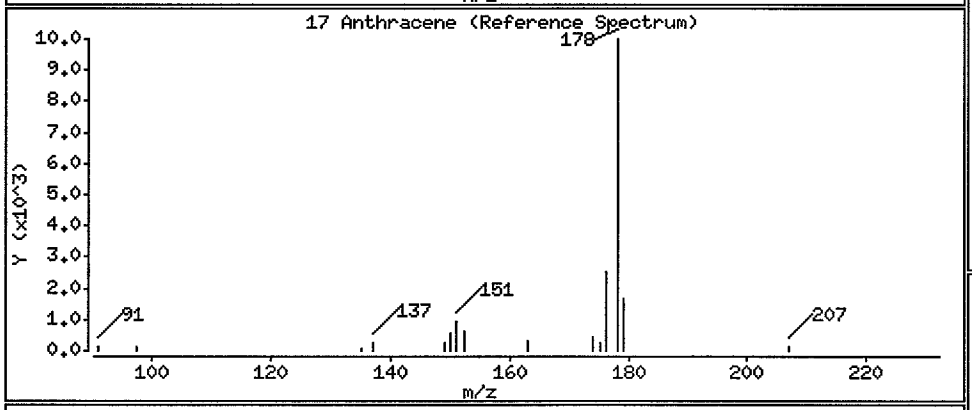
Column diameter: 0.25

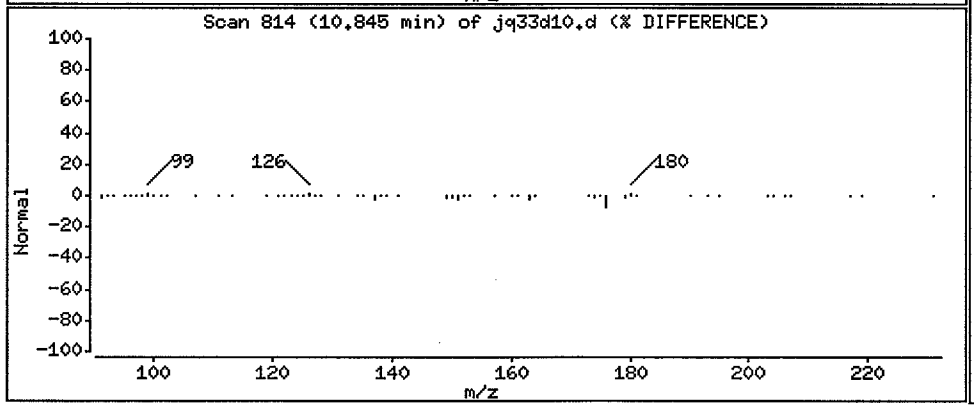
17 Anthracene

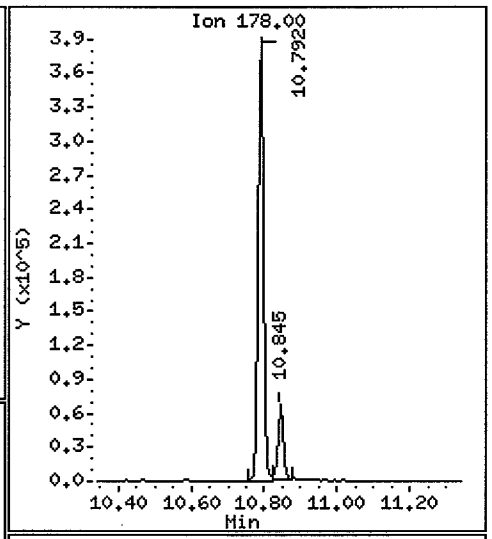
Concentration: 307.6 ug/kg

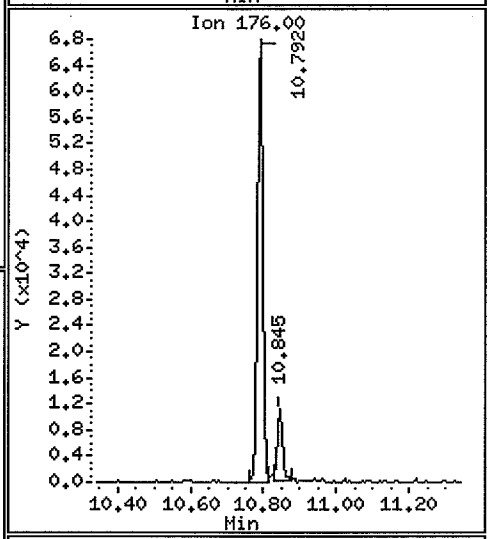


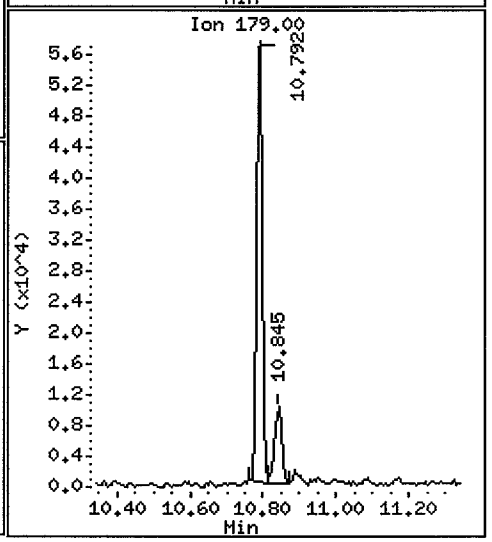












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

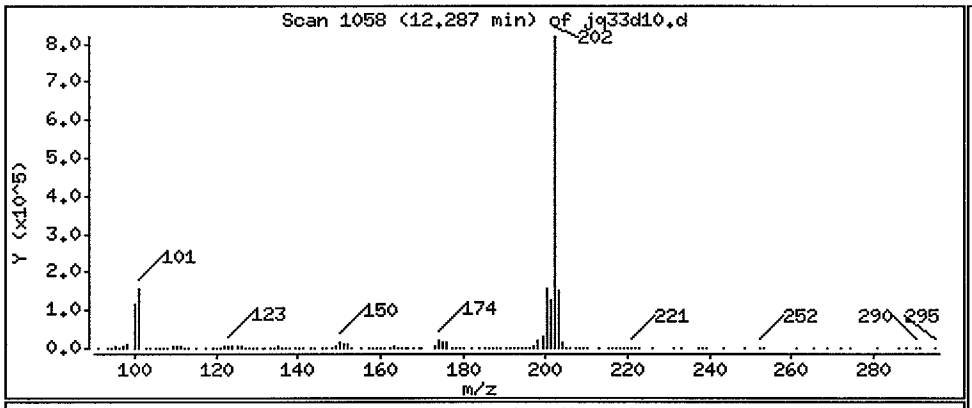
Operator: VTS

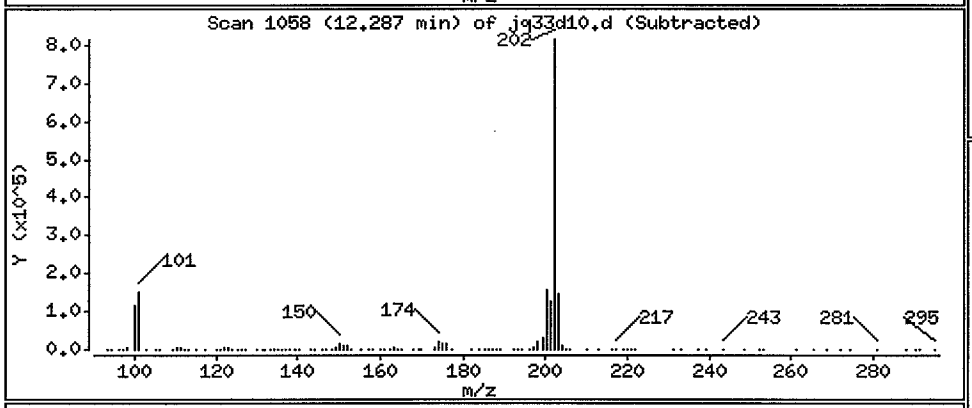
Column phase: ZB-5

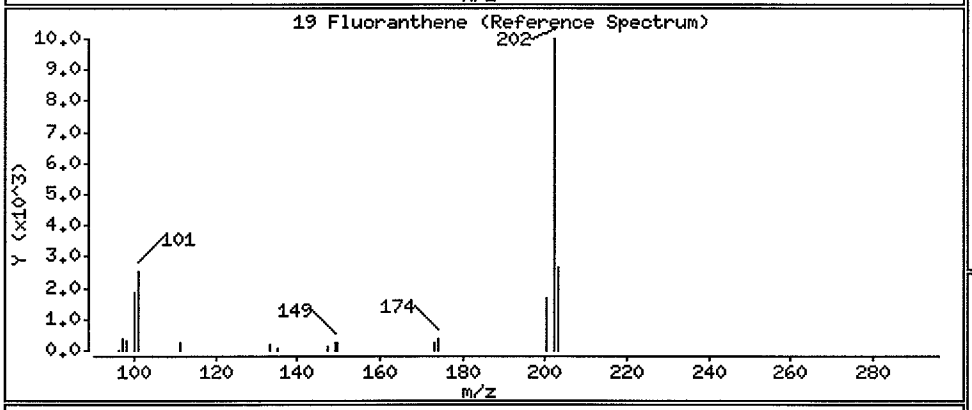
Column diameter: 0.25

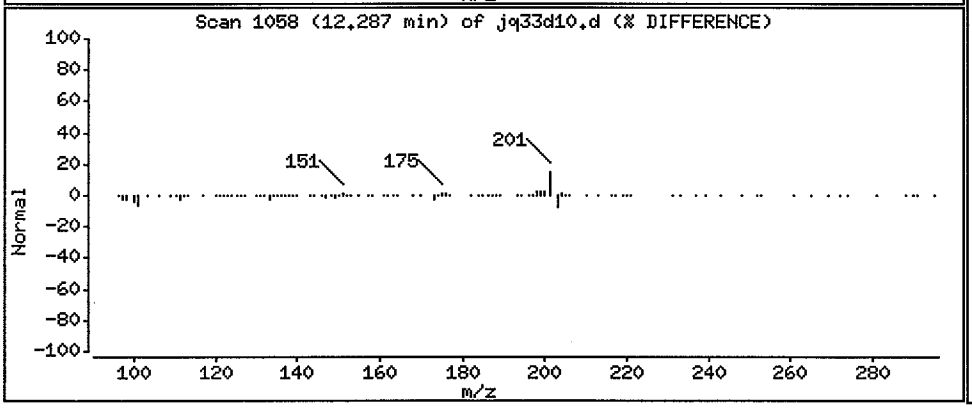
19 Fluoranthene

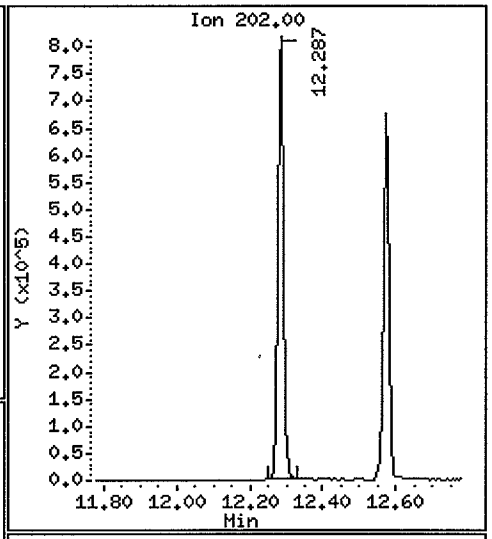
Concentration: 3899 ug/kg

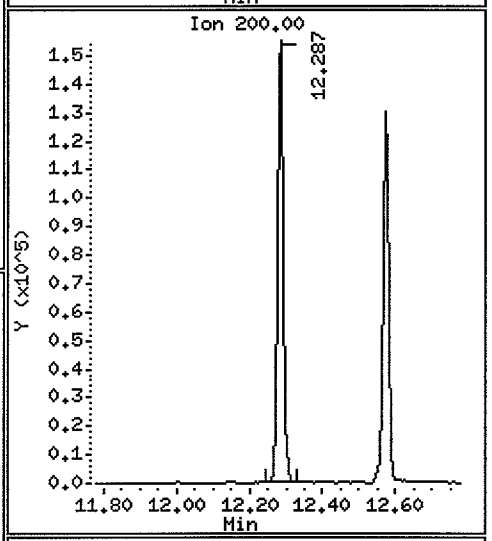


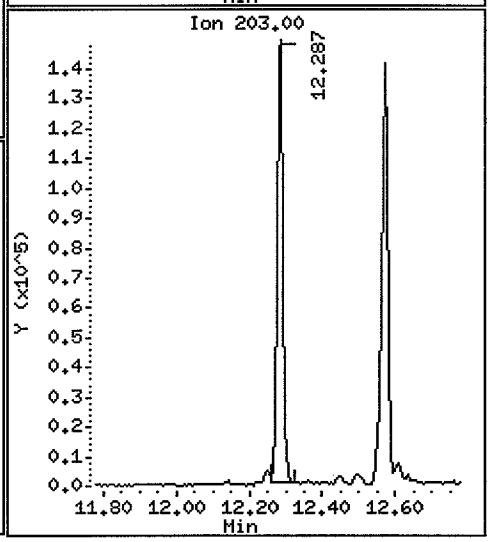












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

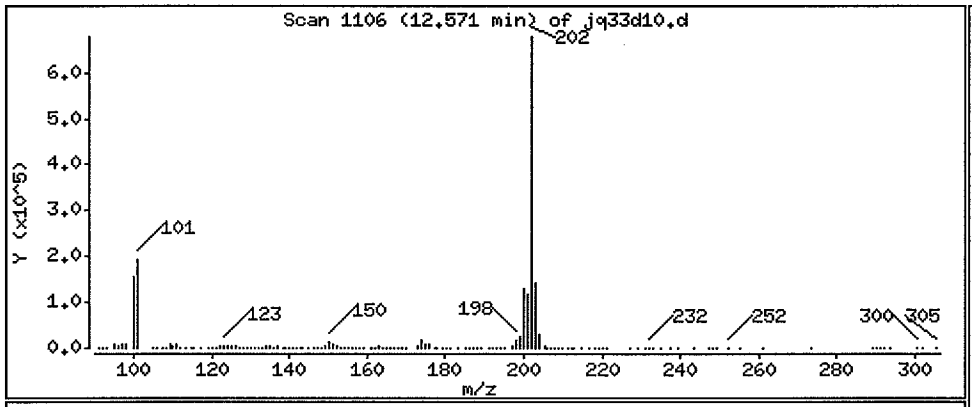
Operator: VTS

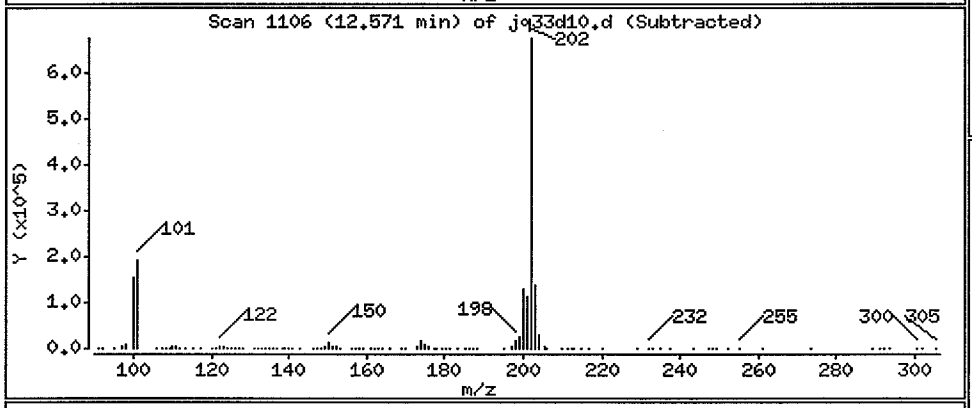
Column phase: ZB-5

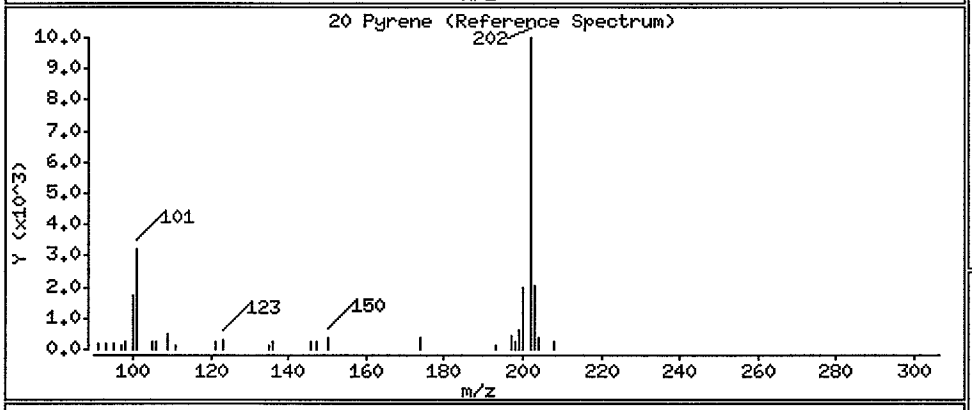
Column diameter: 0.25

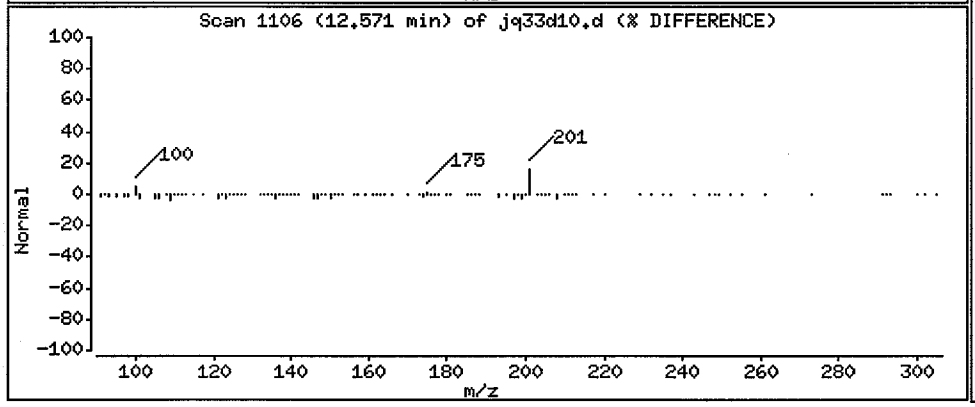
20 Pyrene

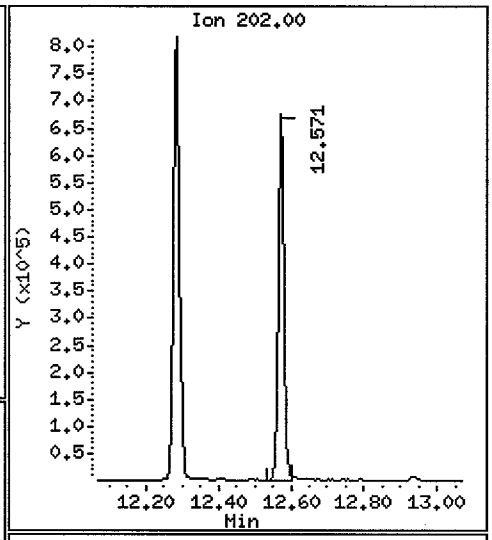
Concentration: 2963 ug/kg

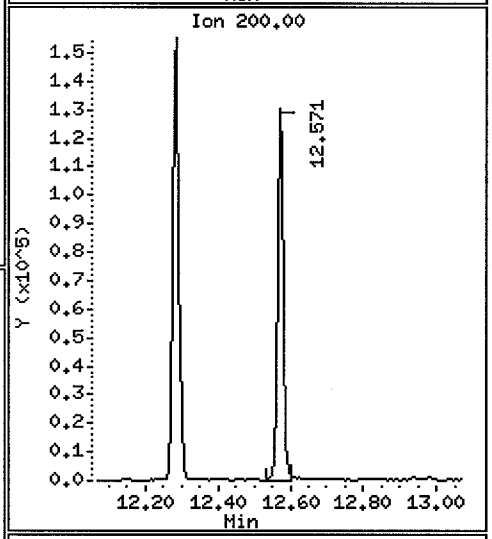


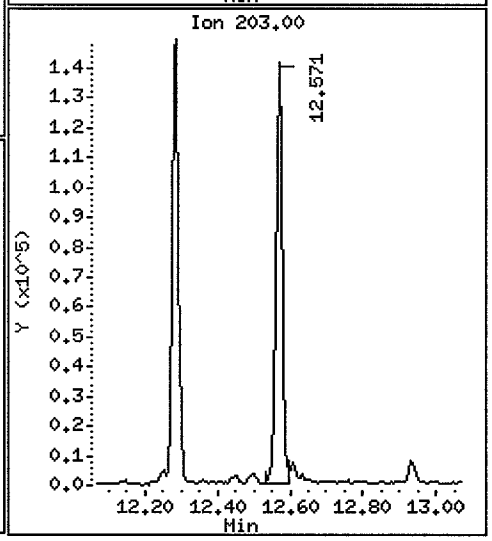












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

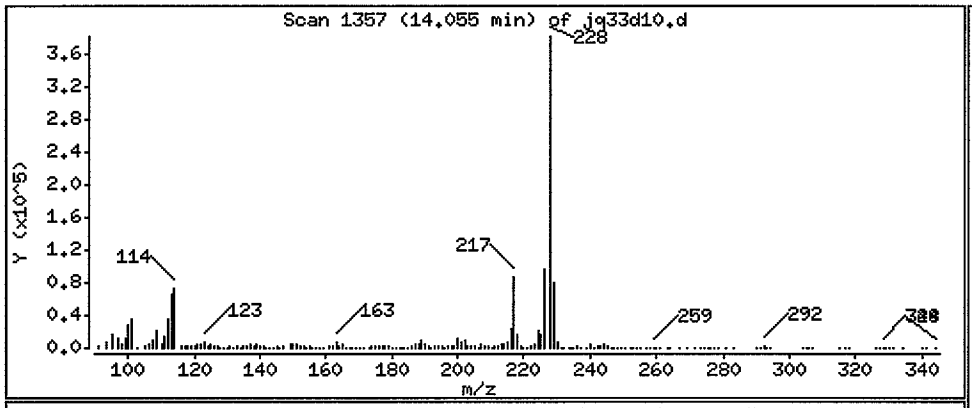
Operator: VTS

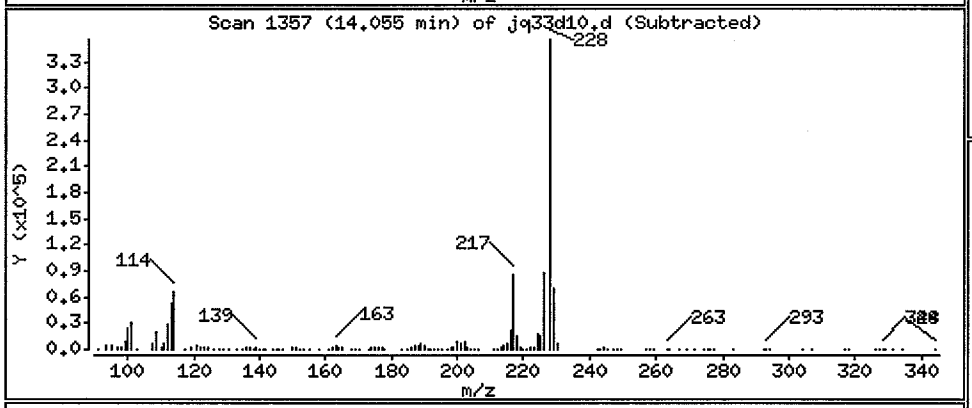
Column phase: ZB-5

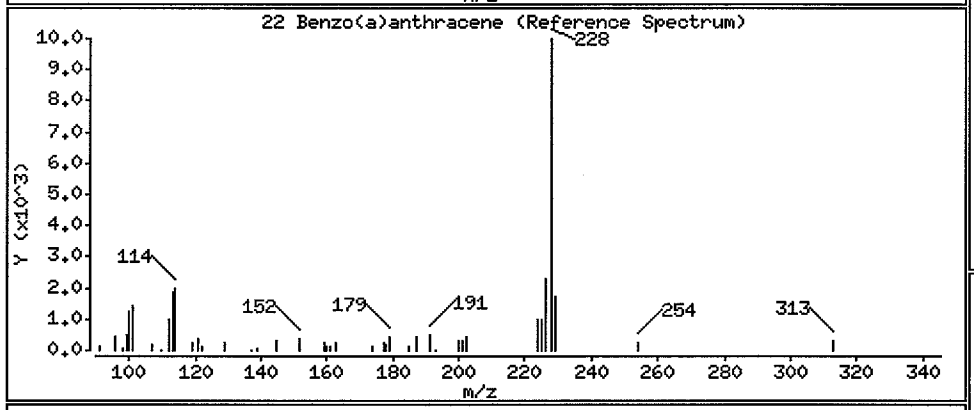
Column diameter: 0.25

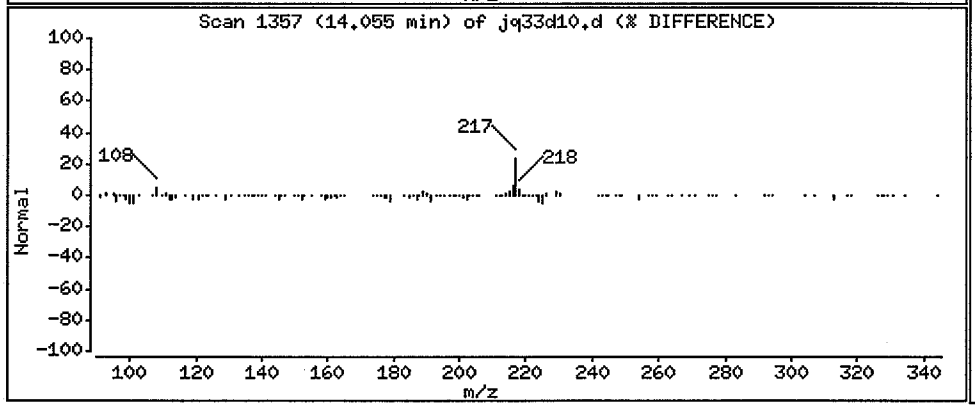
22 Benzo(a)anthracene

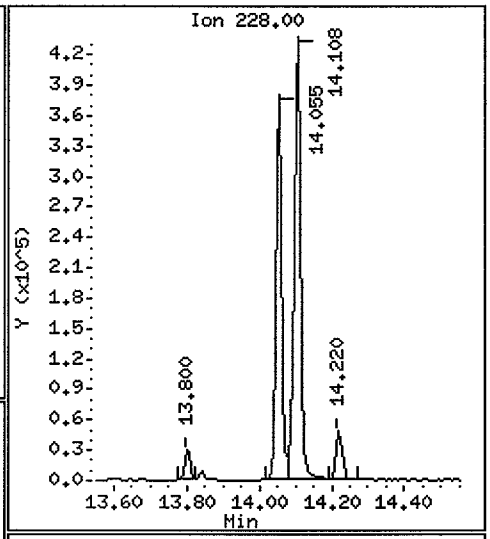
Concentration: 1804 ug/kg

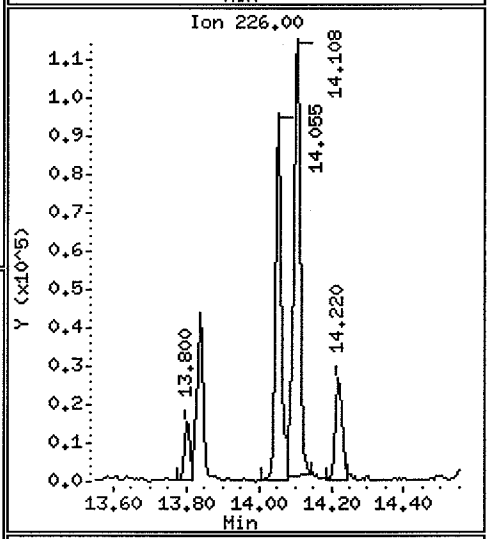


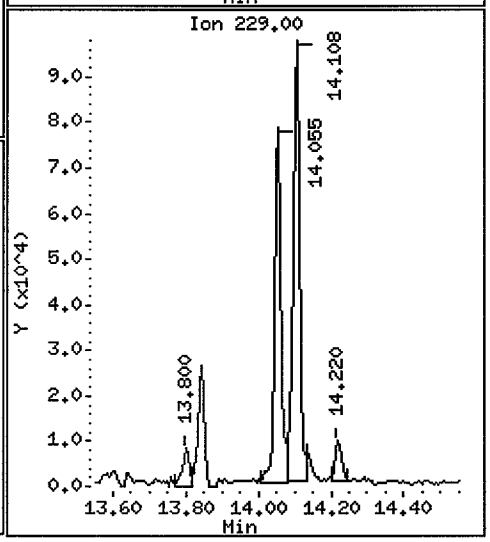












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

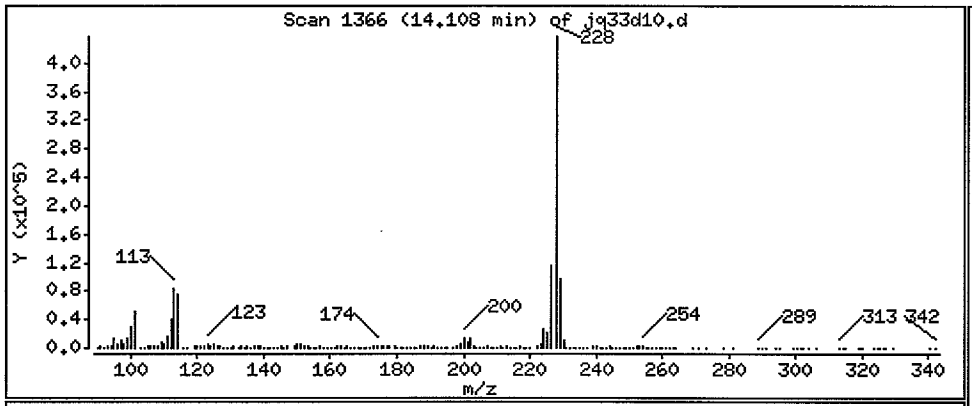
Operator: VTS

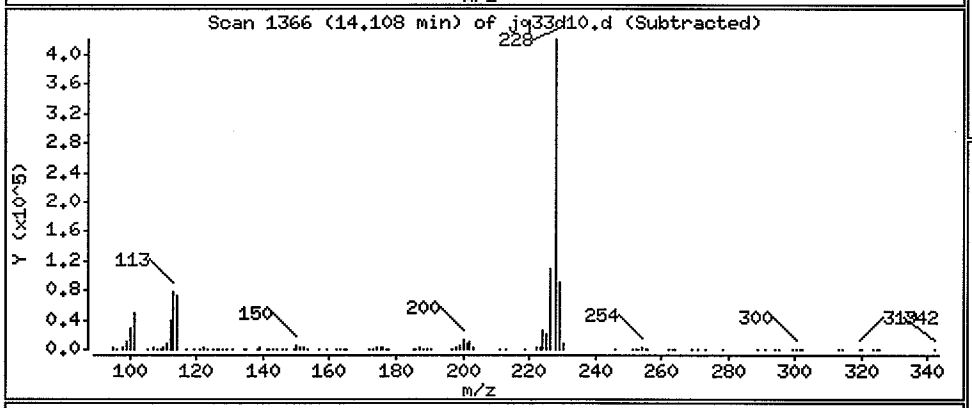
Column phase: ZB-5

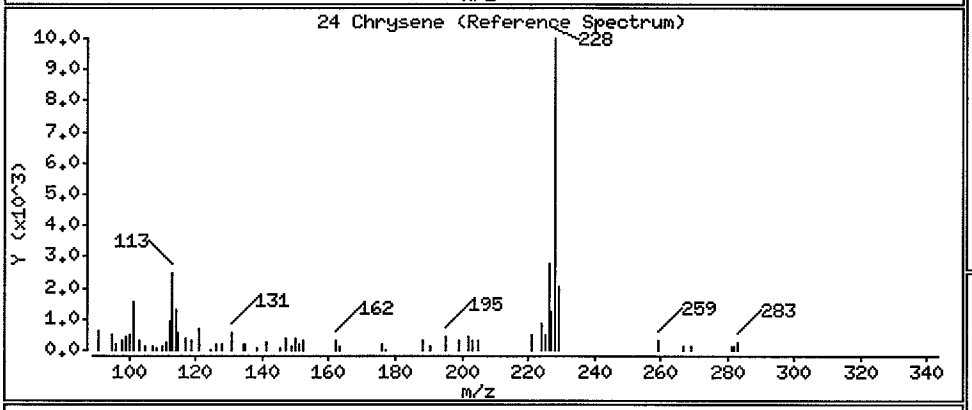
Column diameter: 0.25

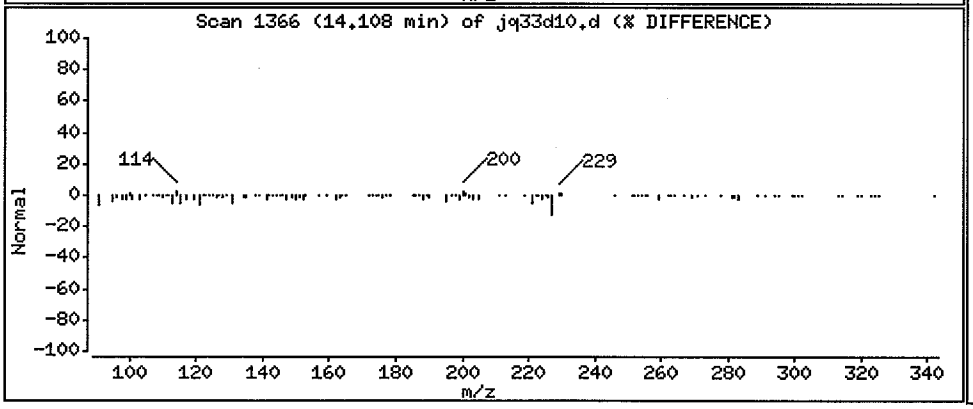
24 Chrysene

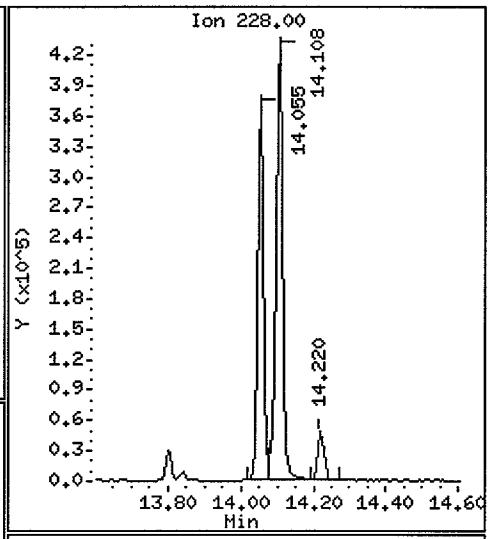
Concentration: 2560 ug/kg

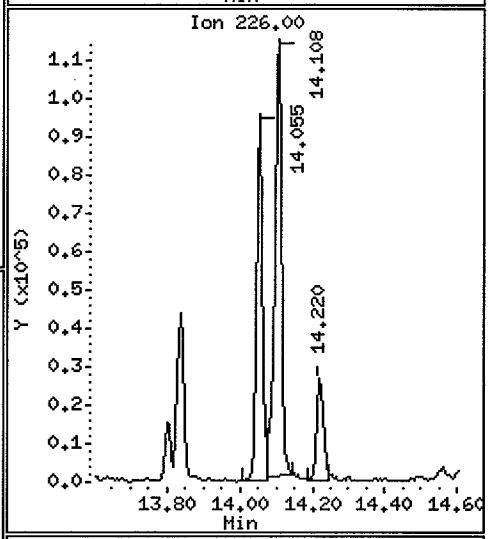


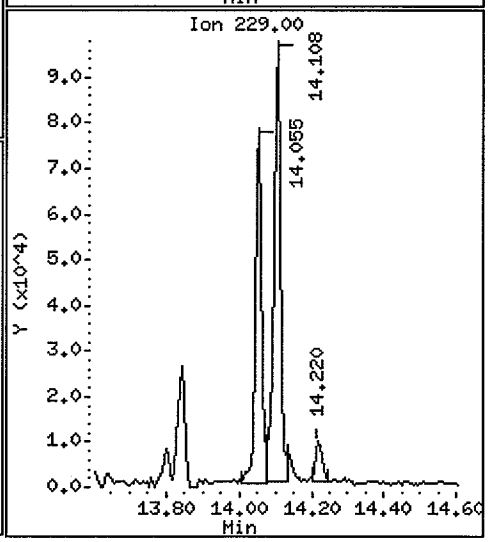












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

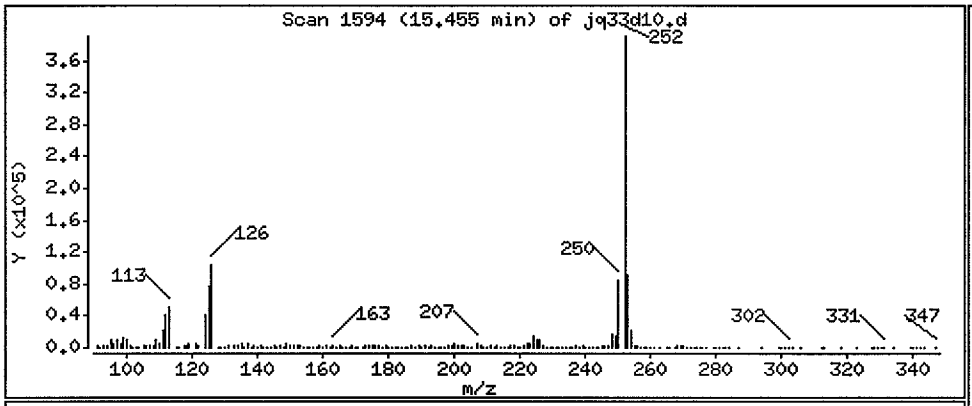
Operator: VTS

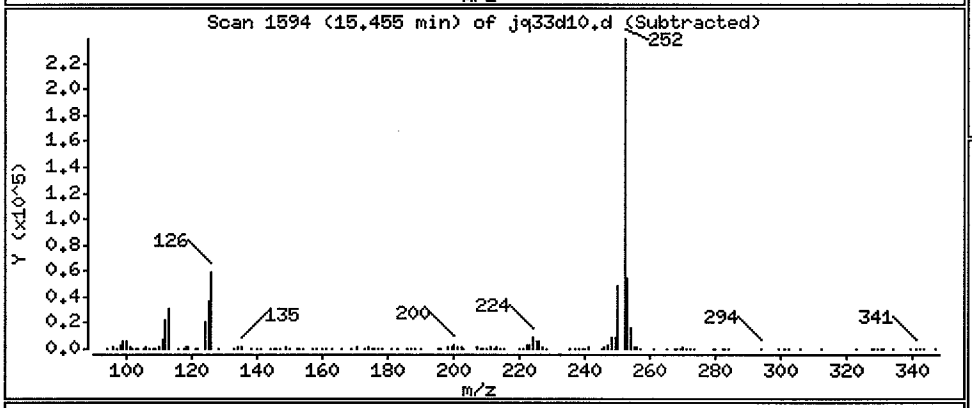
Column phase: ZB-5

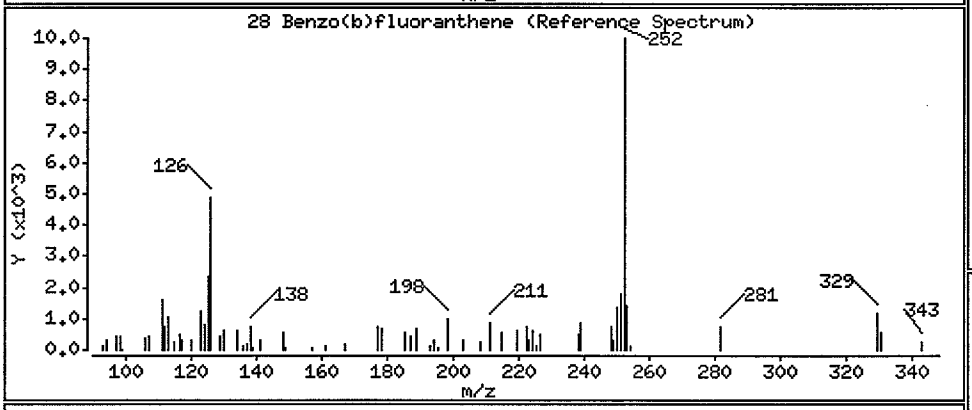
Column diameter: 0.25

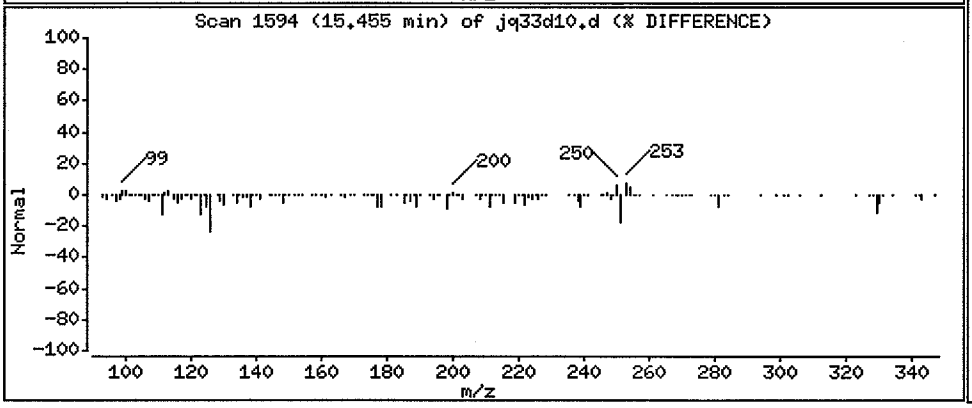
28 Benzo(b)fluoranthene

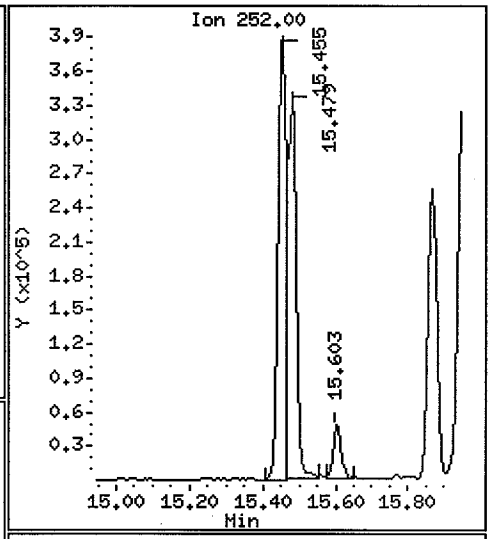
Concentration: 2743 ug/kg

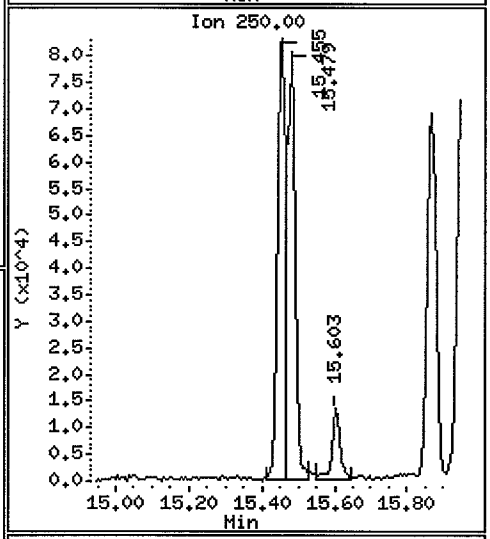


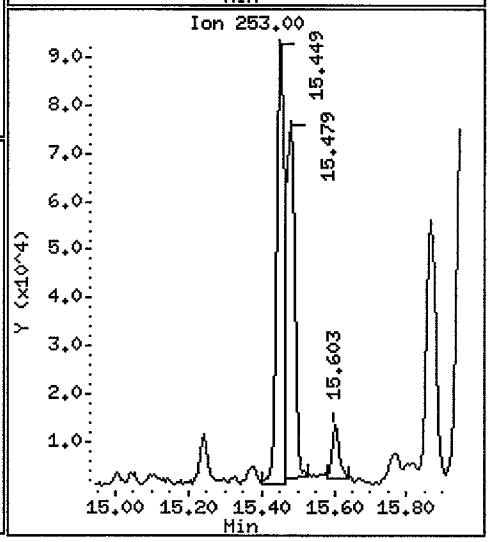












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

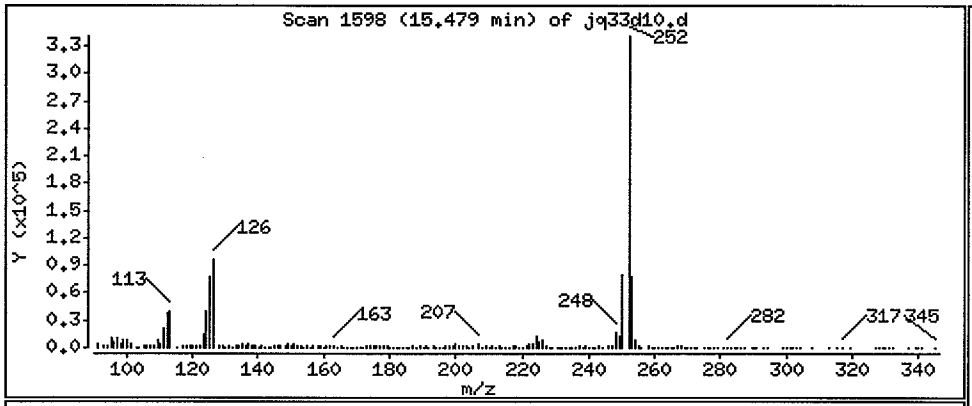
Operator: VTS

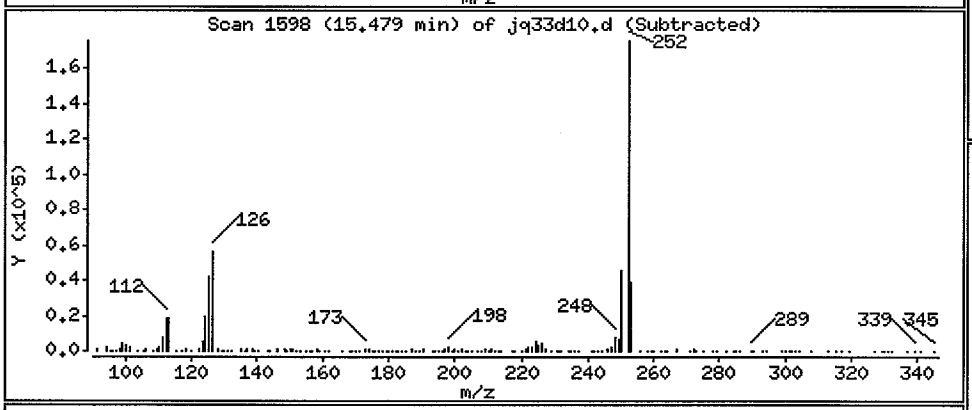
Column phase: ZB-5

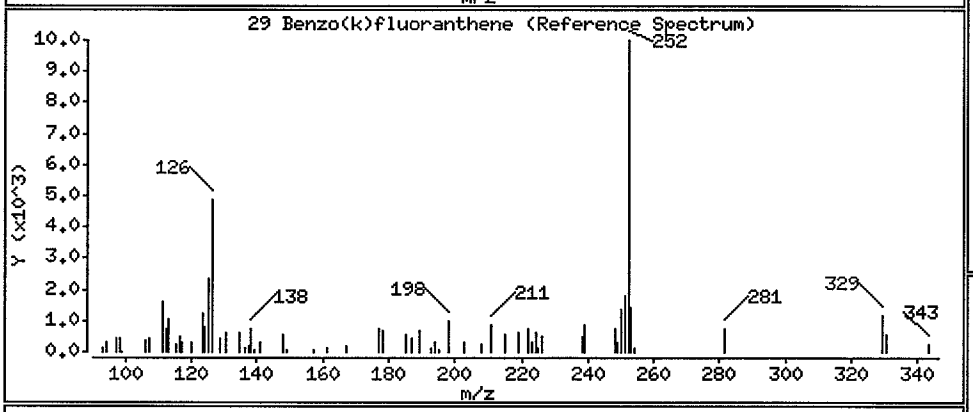
Column diameter: 0.25

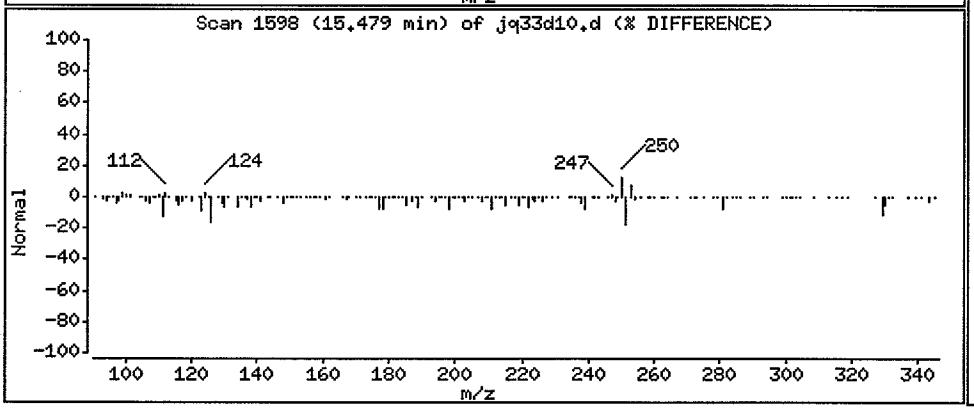
29 Benzo(k)fluoranthene

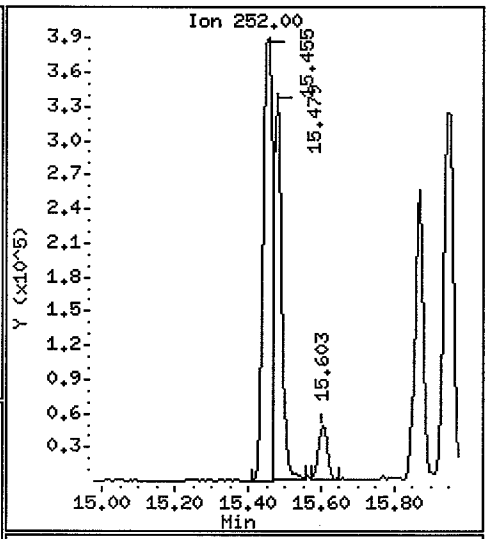
Concentration: 2223 ug/kg

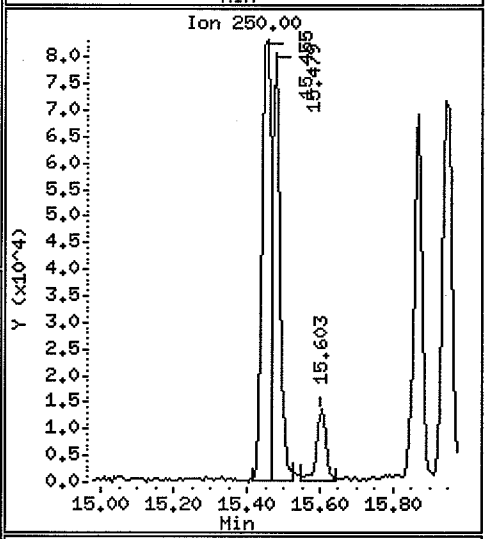


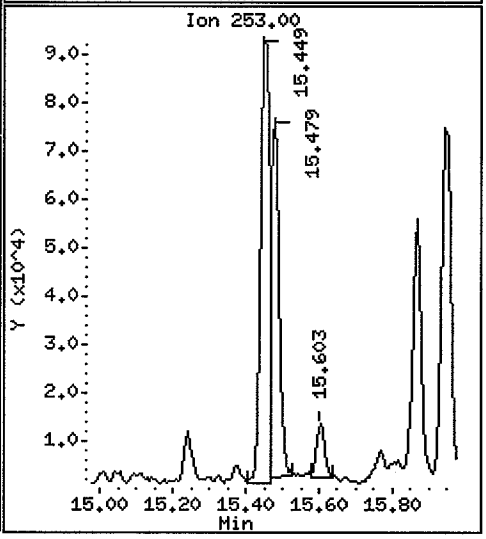












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

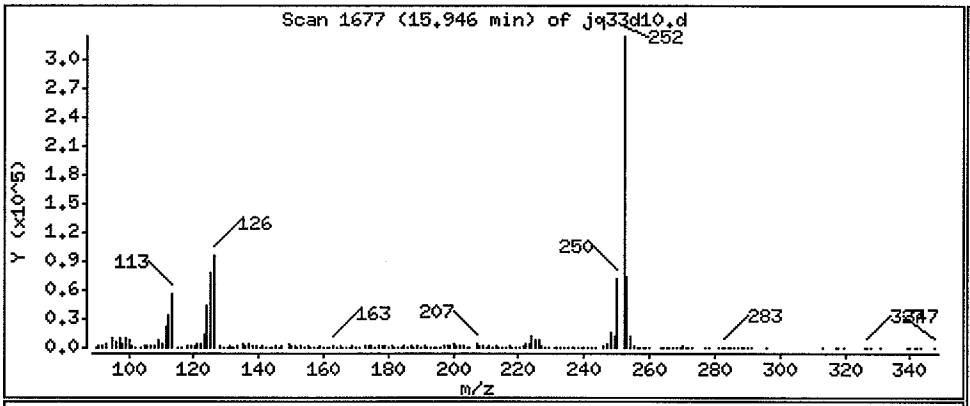
Operator: VTS

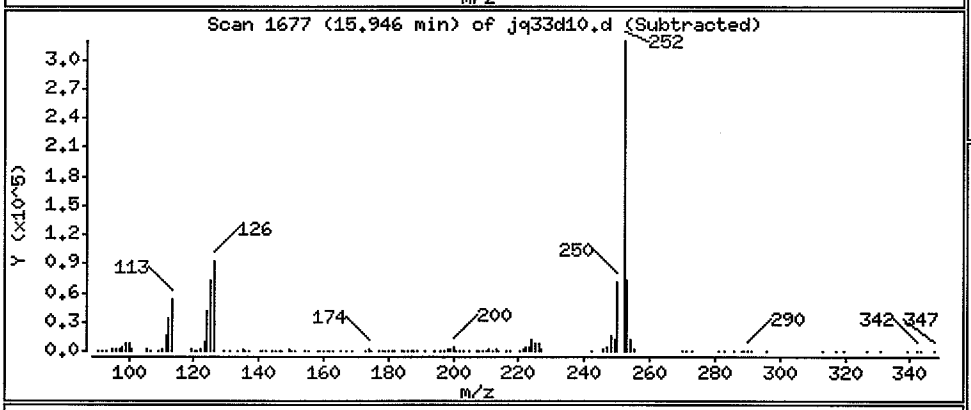
Column phase: ZB-5

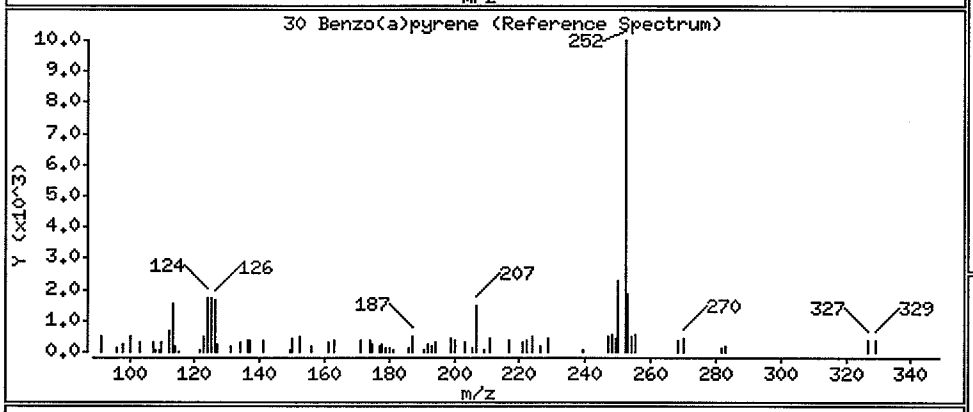
Column diameter: 0.25

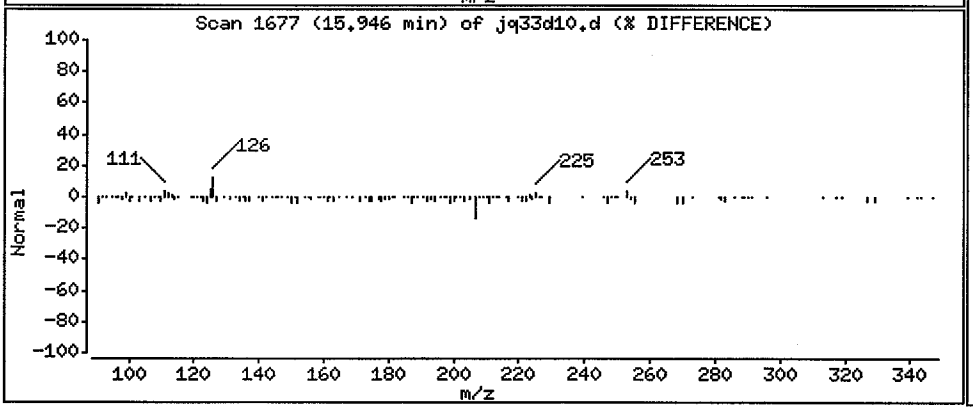
30 Benzo(a)pyrene

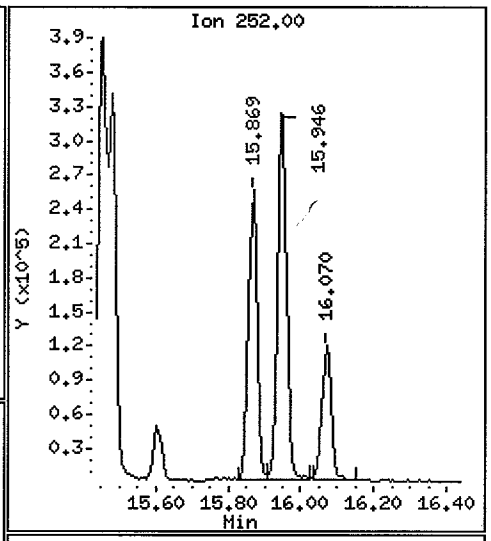
Concentration: 2419 ug/kg

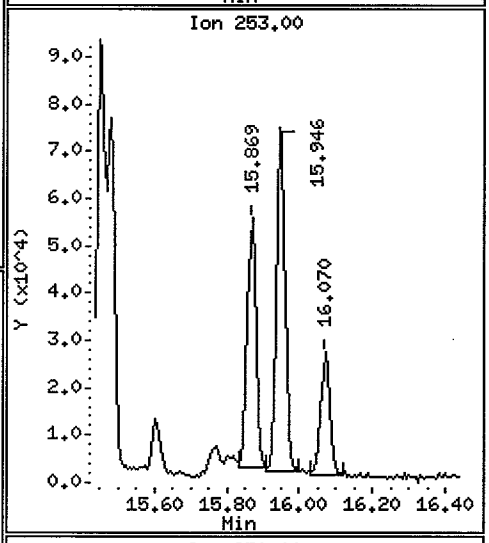


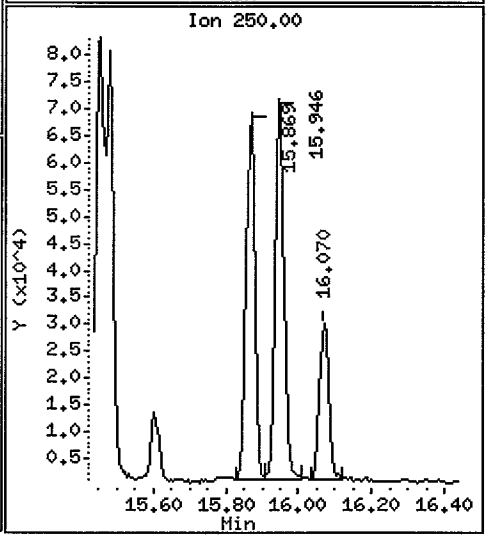












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

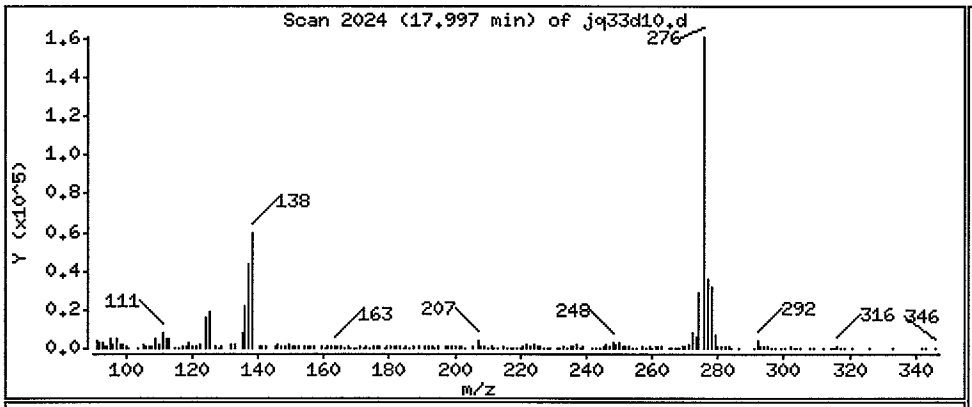
Operator: VTS

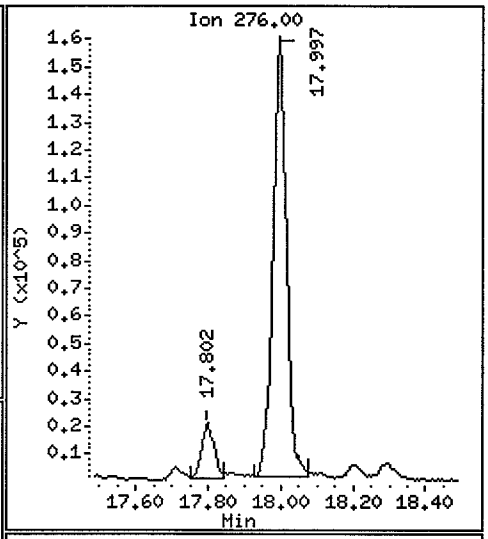
Column phase: ZB-5

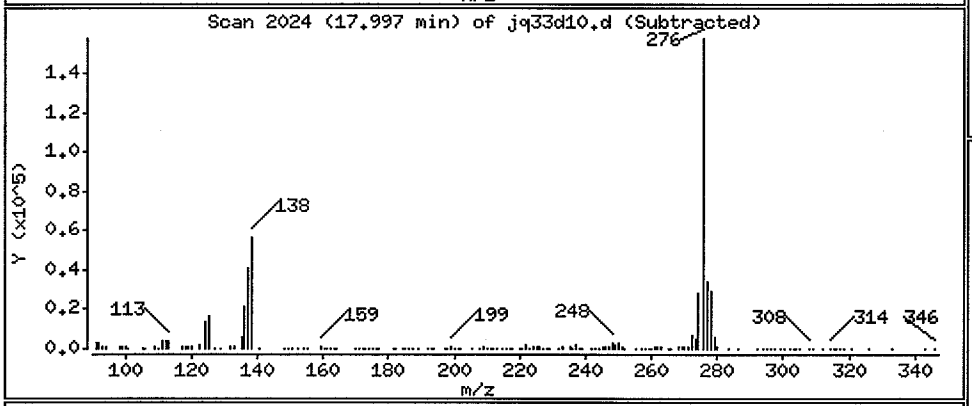
Column diameter: 0.25

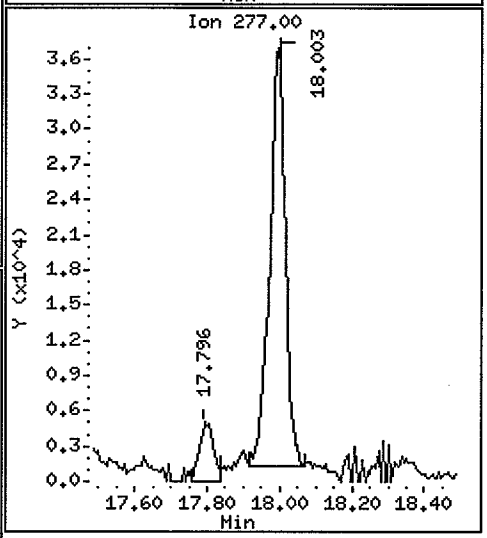
33 Indeno(1,2,3-cd)pyrene

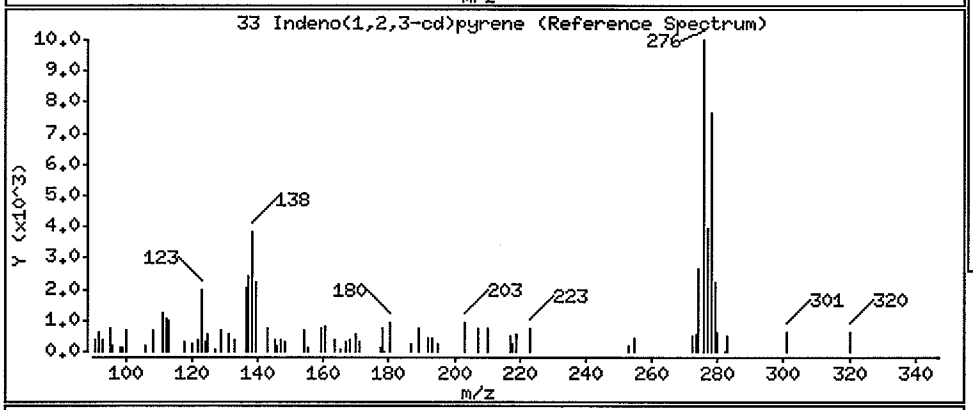
Concentration: 1517 ug/kg

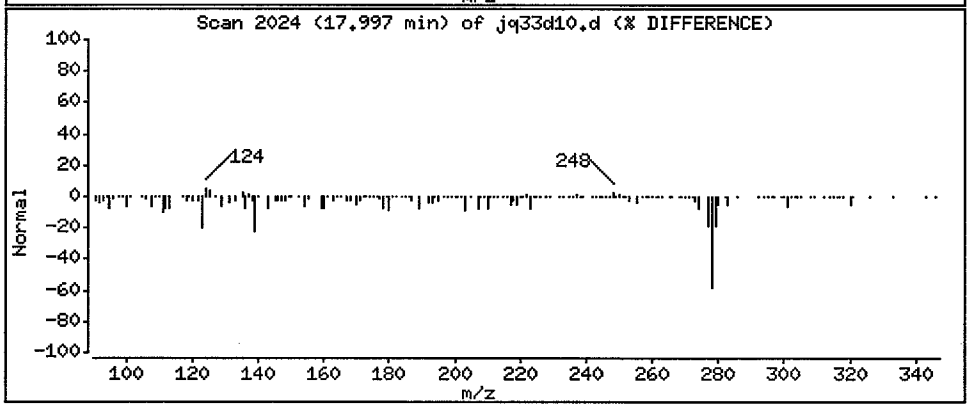












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

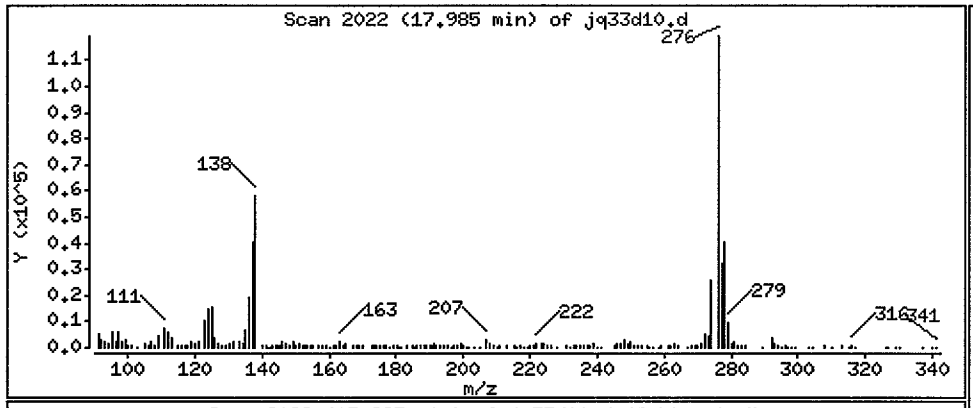
Operator: VTS

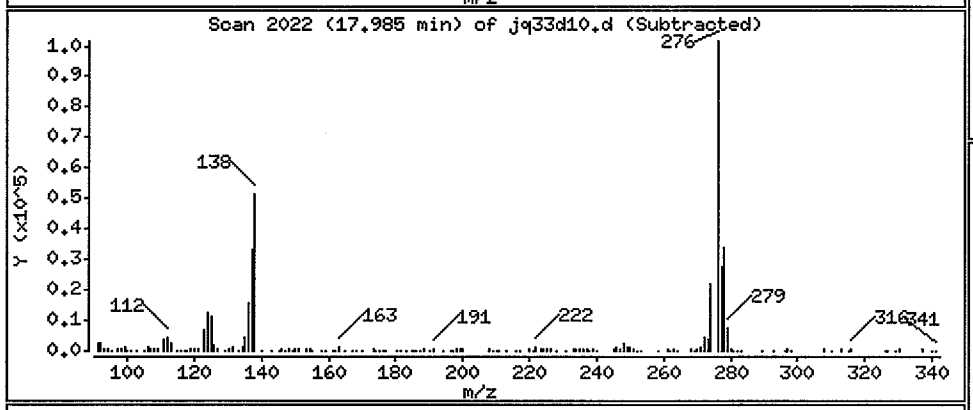
Column phase: ZB-5

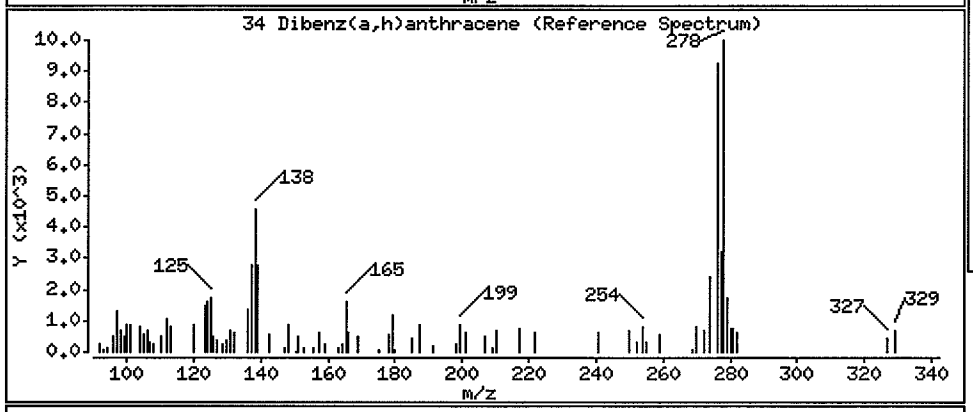
Column diameter: 0.25

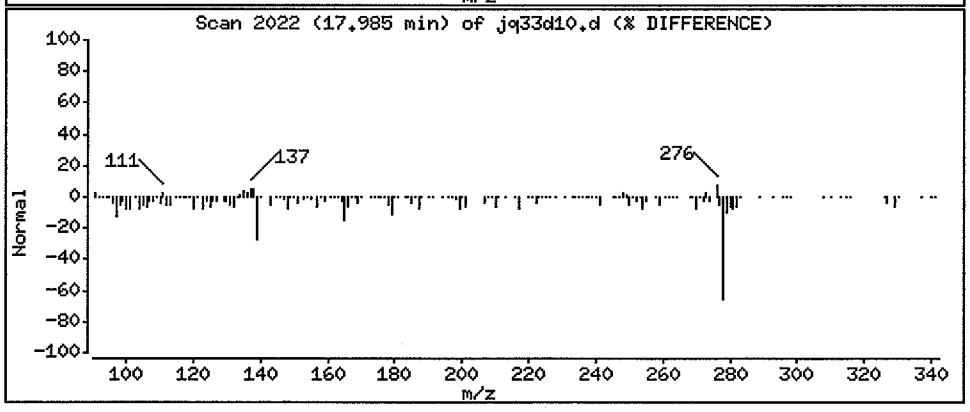
34 Dibenz(a,h)anthracene

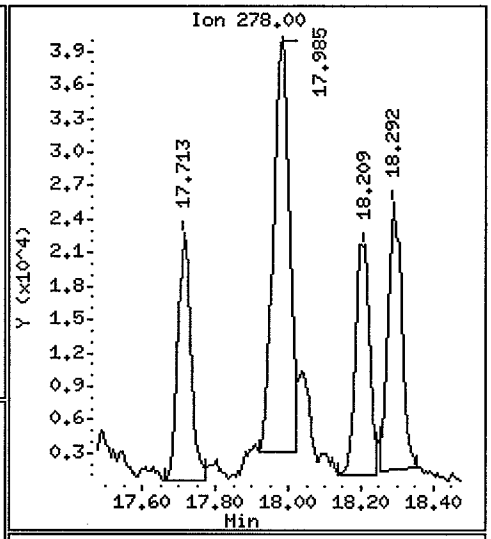
Concentration: 508.2 ug/kg

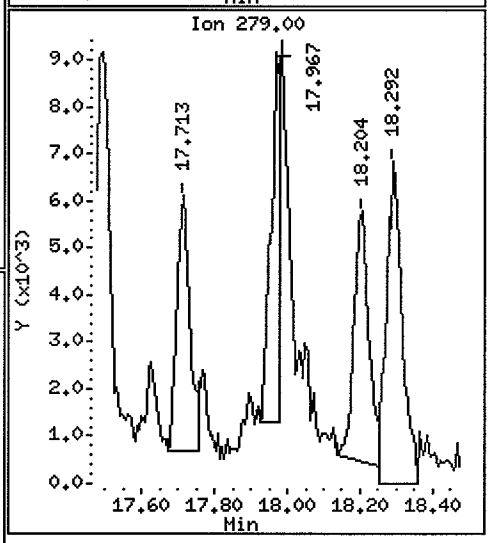












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

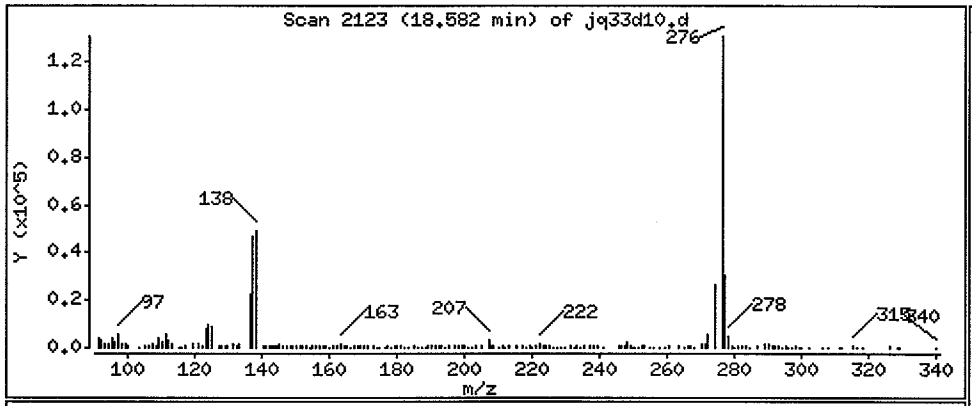
Operator: VTS

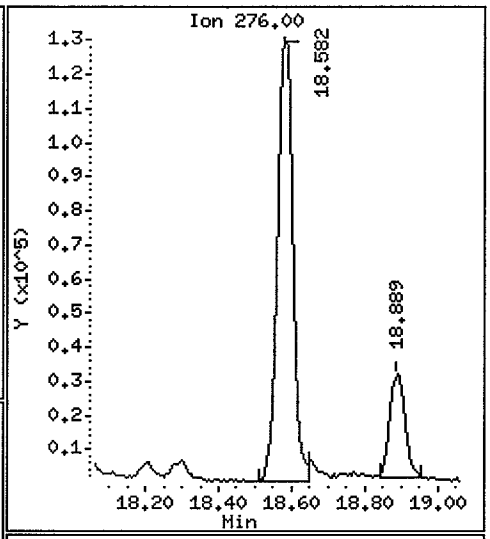
Column phase: ZB-5

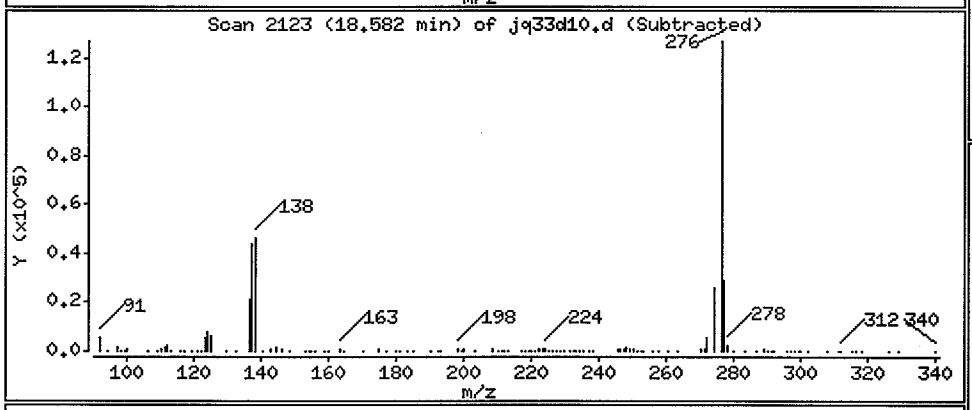
Column diameter: 0.25

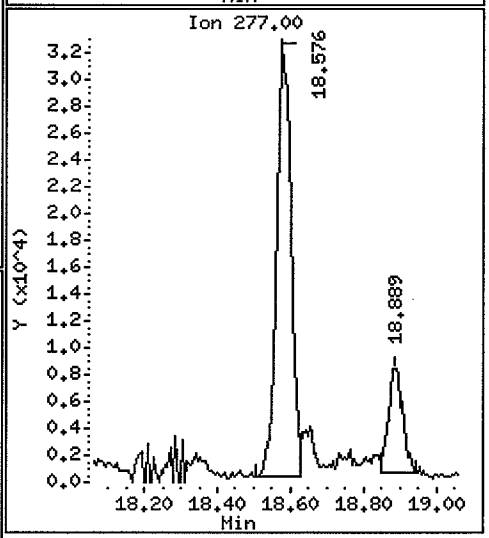
35 Benzo(g,h,i)perylene

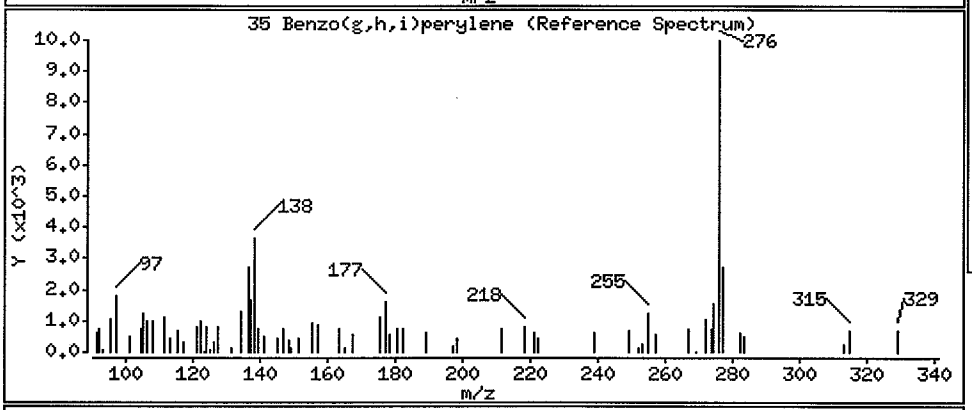
Concentration: 1679 ug/kg

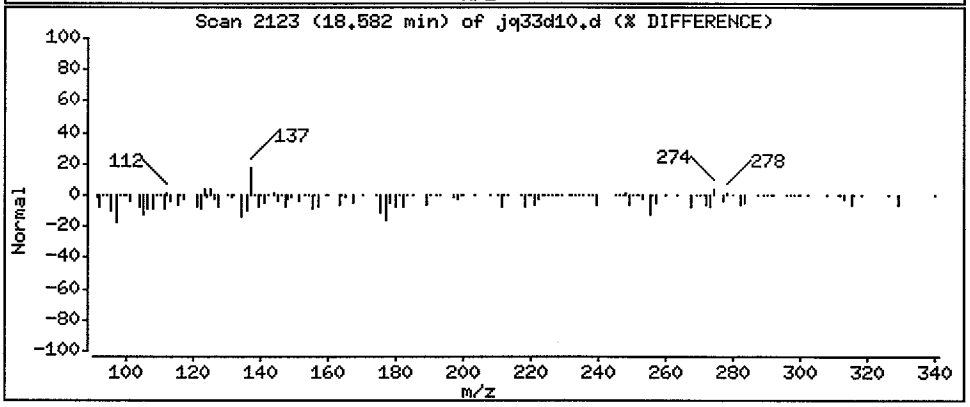












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

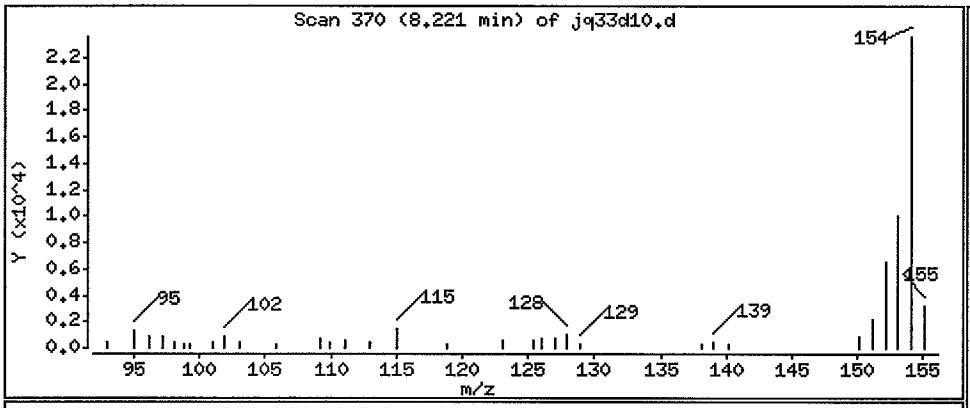
Operator: VTS

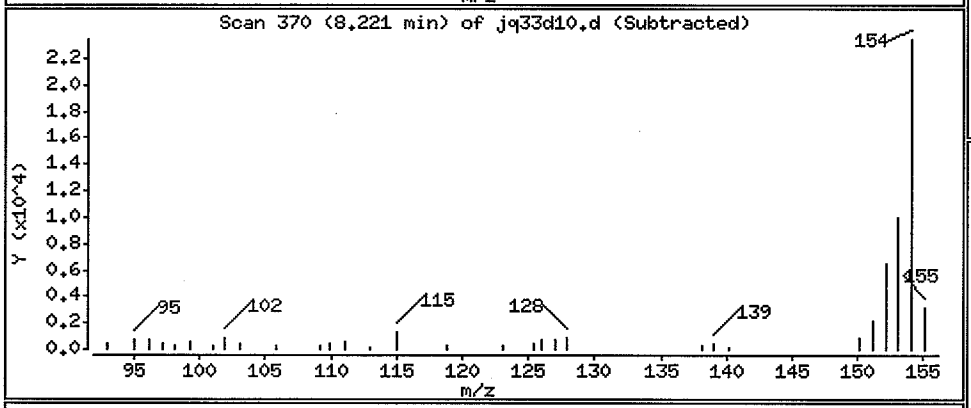
Column phase: ZB-5

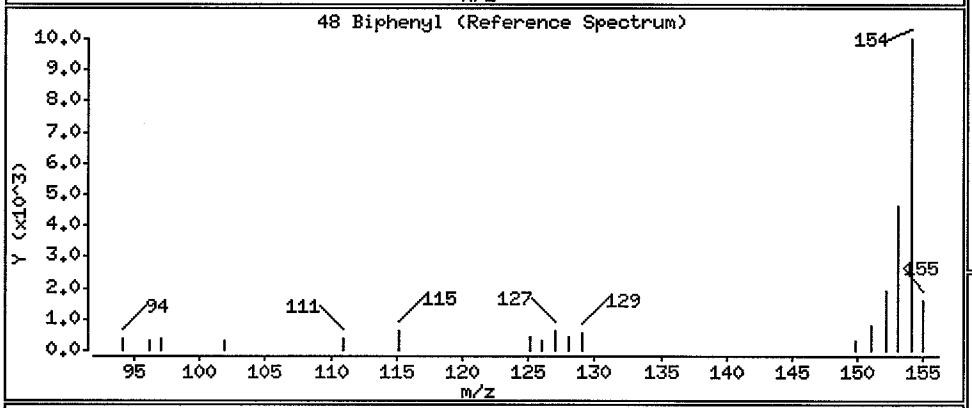
Column diameter: 0.25

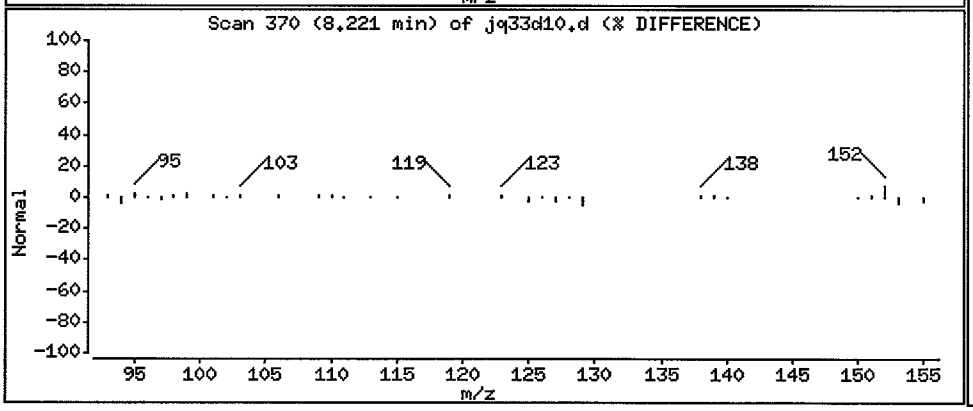
48 Biphenyl

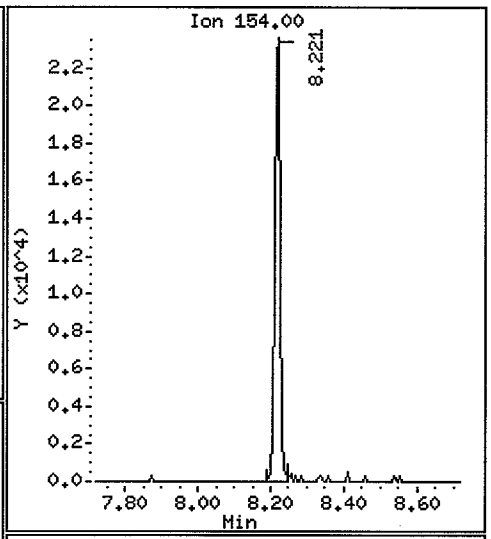
Concentration: 153.7 ug/kg

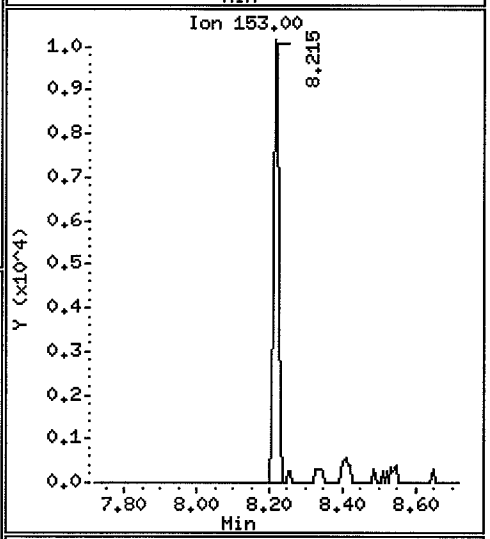


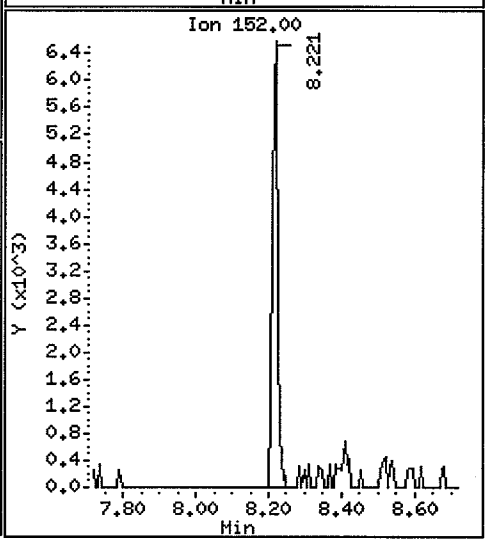












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

Operator: VTS

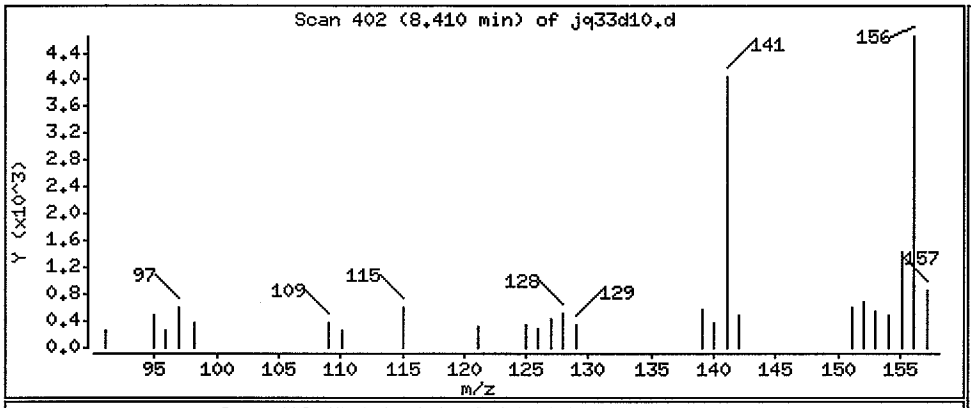
Column phase: ZB-5

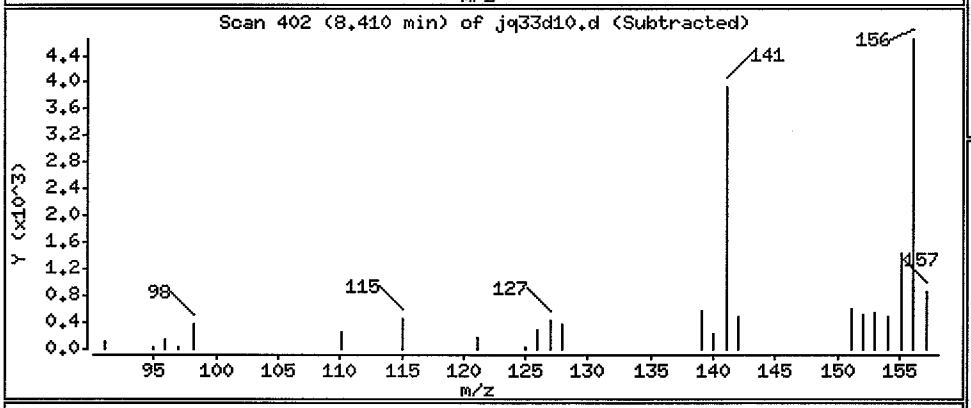
Column diameter: 0.25

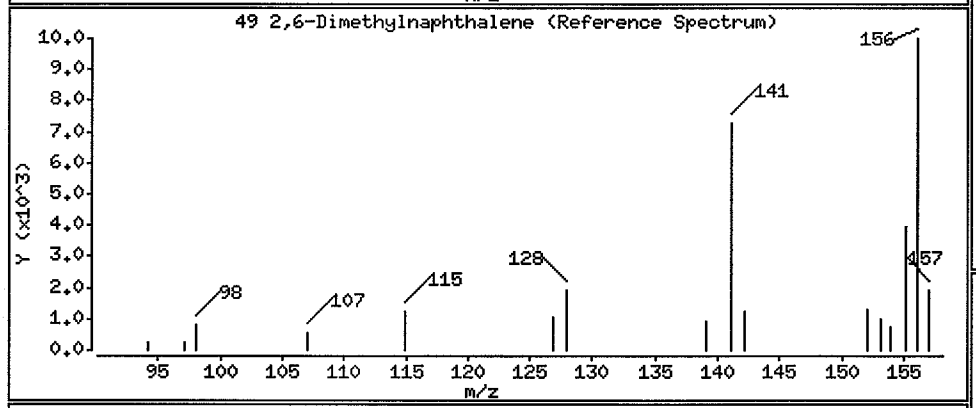
5 CRL NOT Reported GM 8/8/06

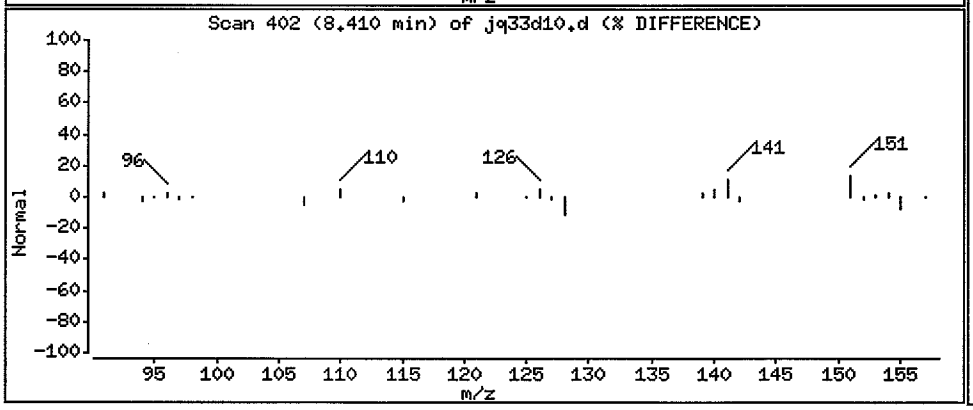
49 2,6-Dimethylnaphthalene

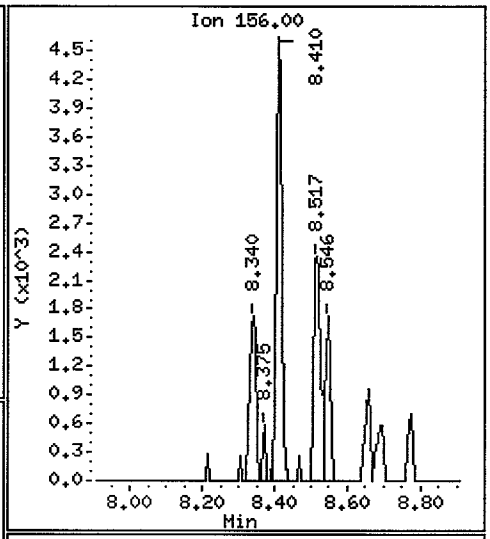
Concentration: 39.47 ug/kg

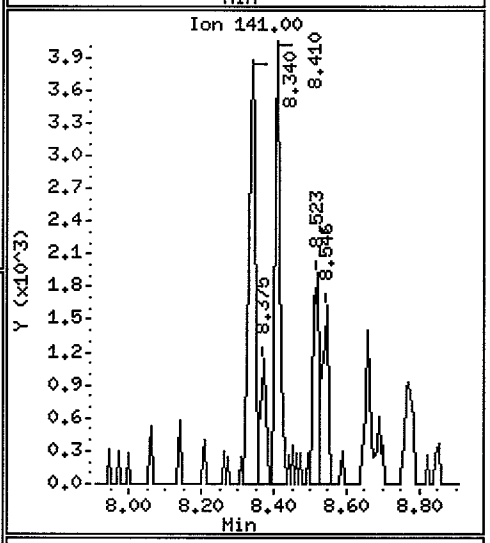


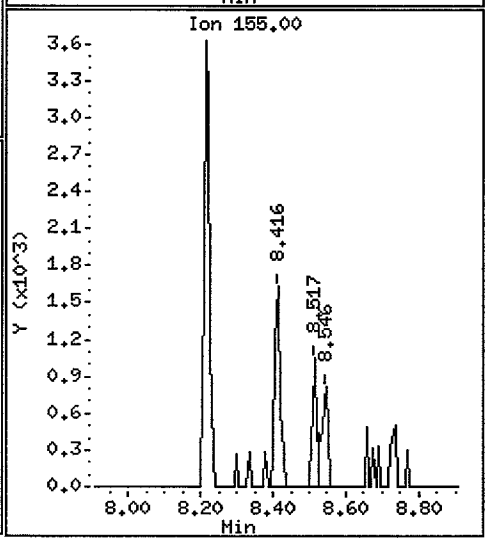












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

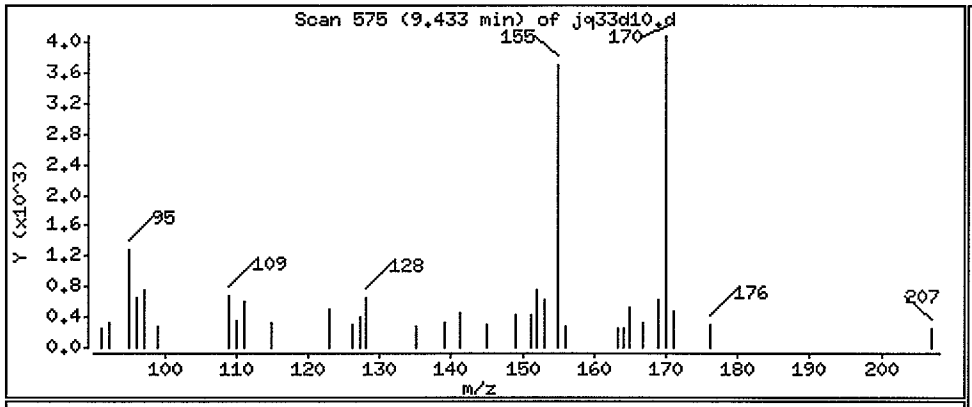
Operator: VTS

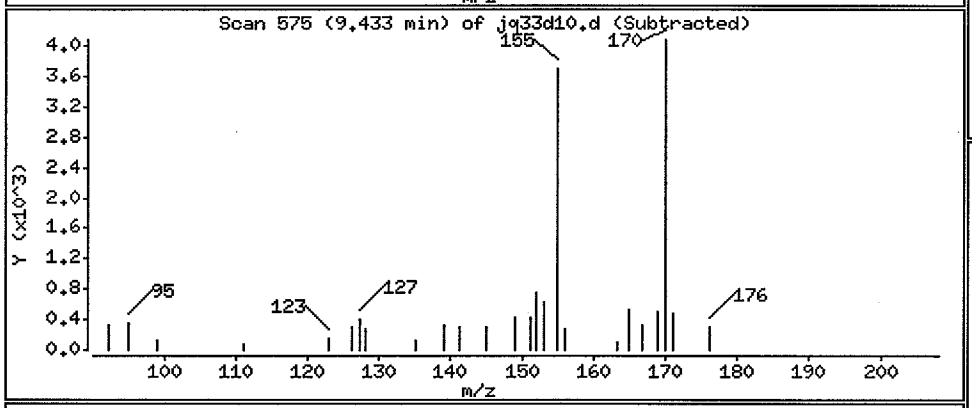
Column phase: ZB-5

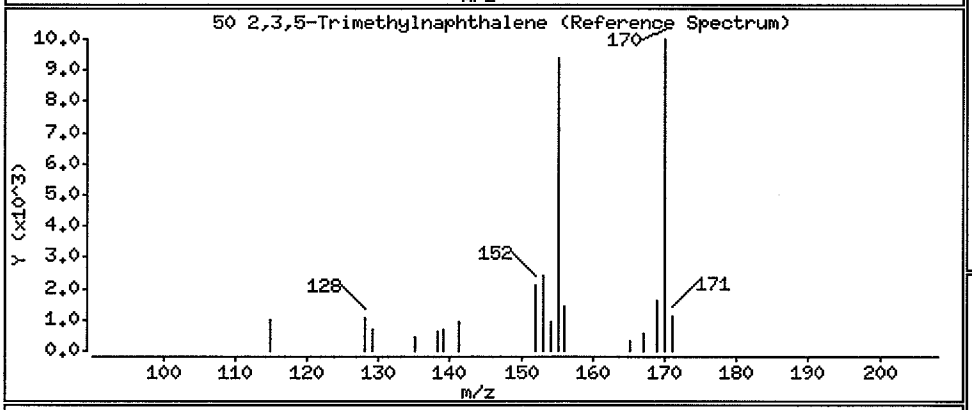
Column diameter: 0.25

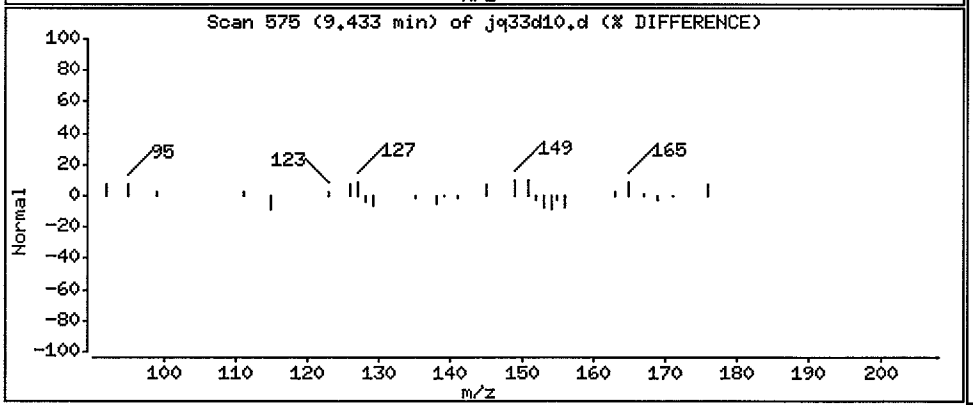
50 2,3,5-Trimethylnaphthalene

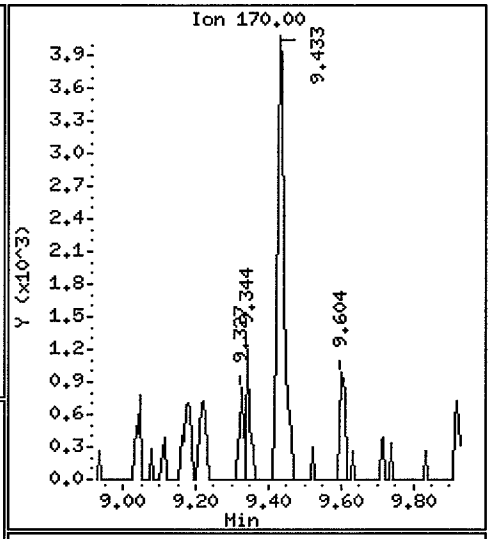
Concentration: 52.00 ug/kg

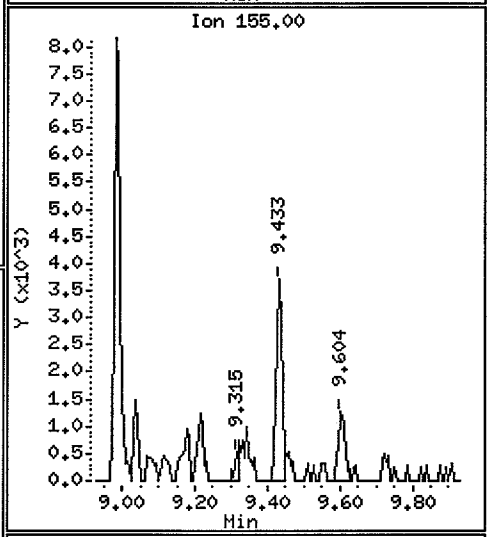


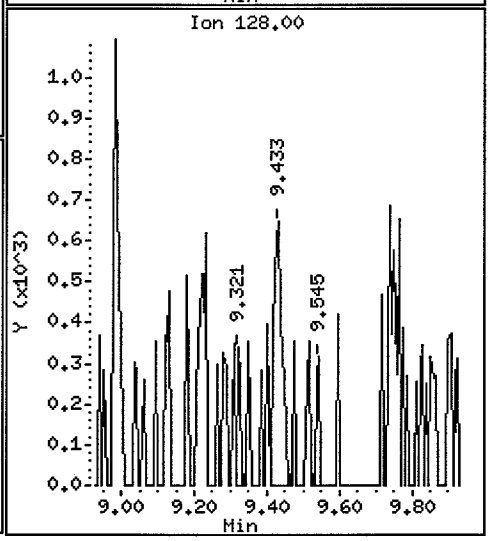












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

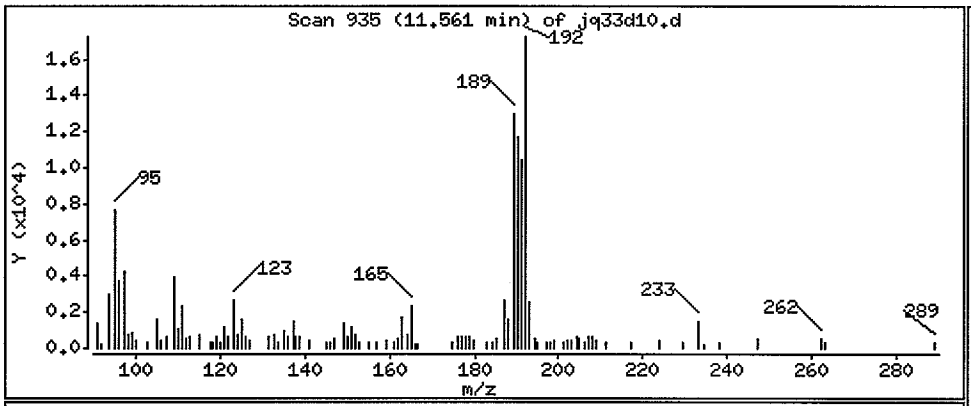
Operator: VTS

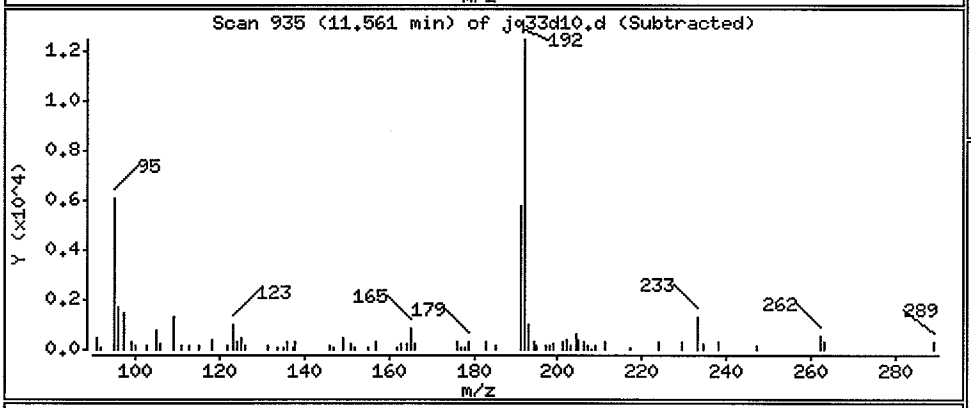
Column phase: ZB-5

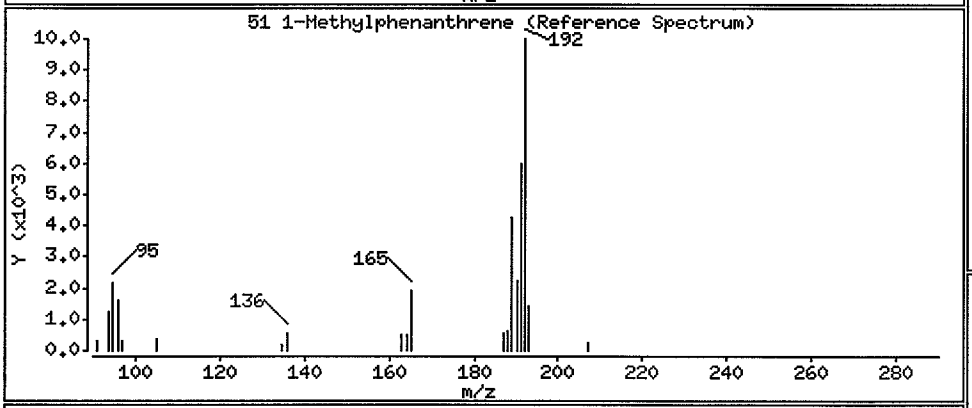
Column diameter: 0.25

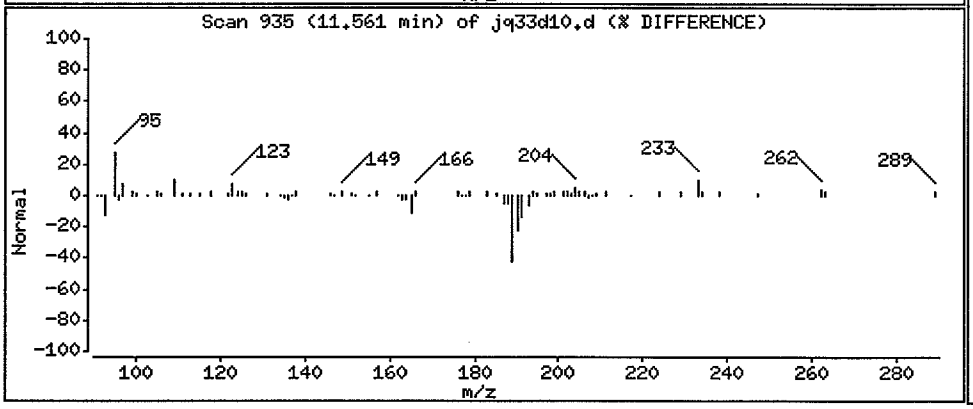
51 1-Methylphenanthrene

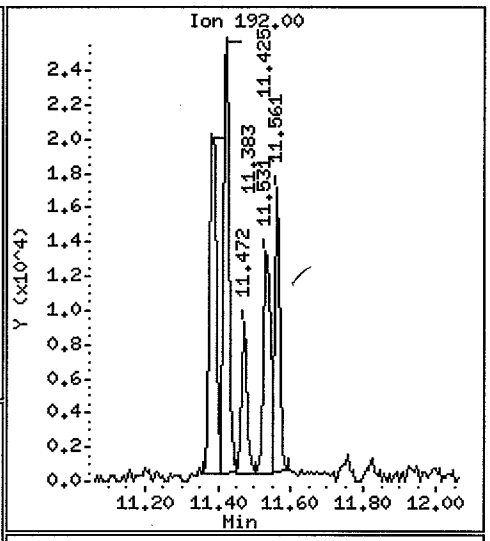
Concentration: 106.3 ug/kg

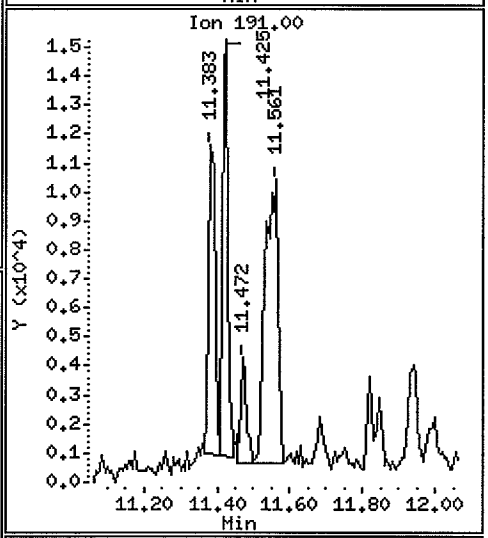


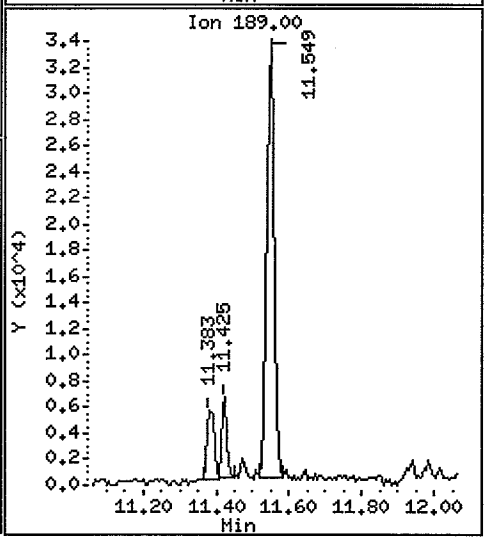












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

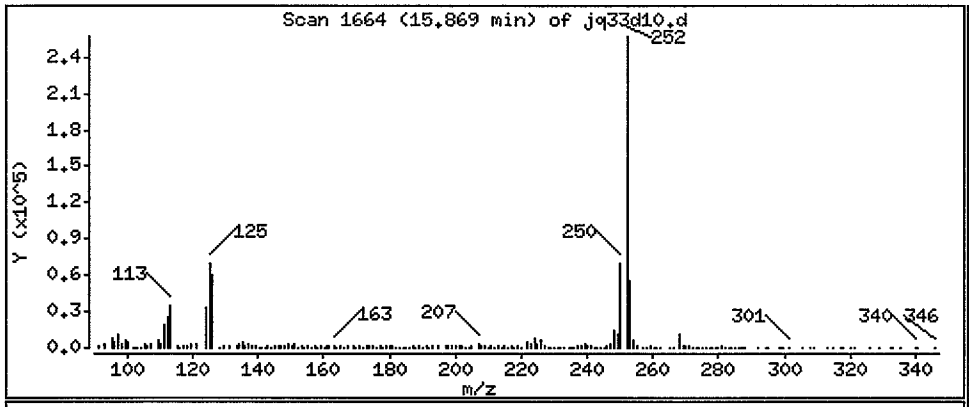
Operator: VTS

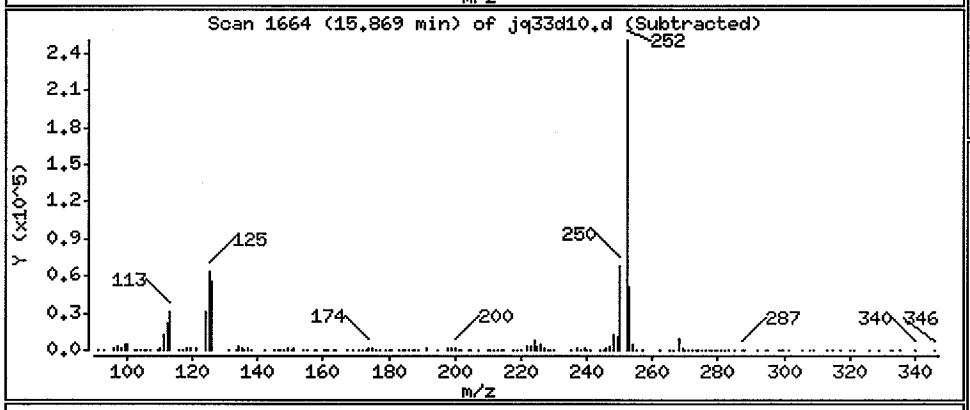
Column phase: ZB-5

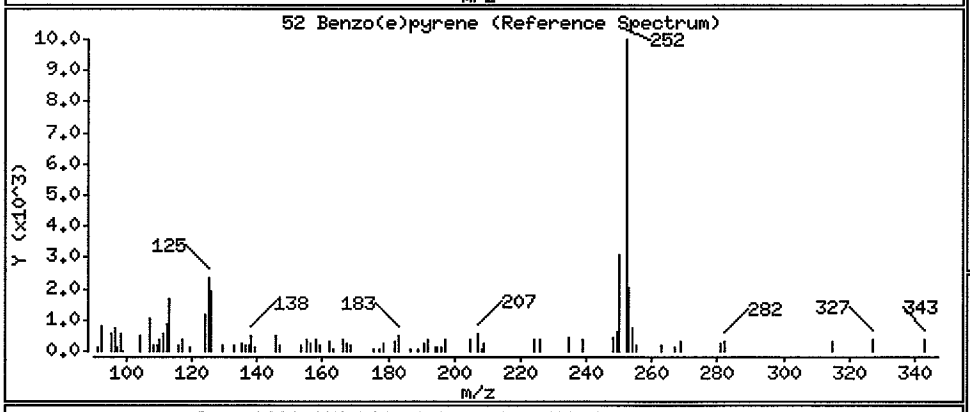
Column diameter: 0.25

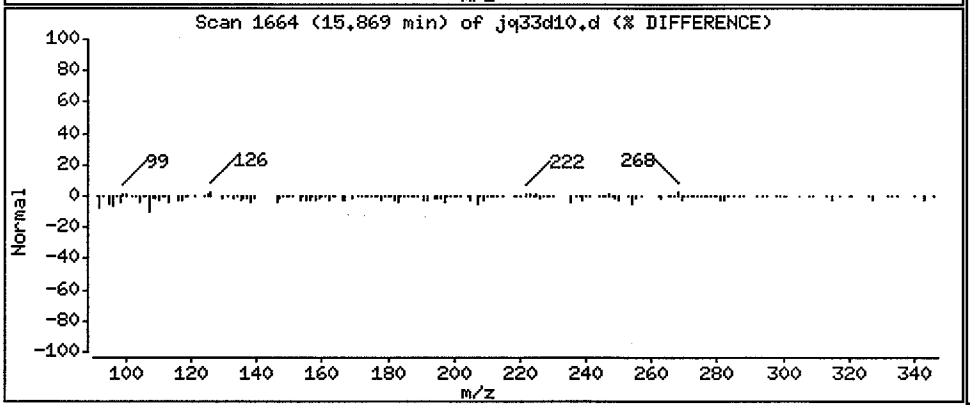
52 Benzo(e)pyrene

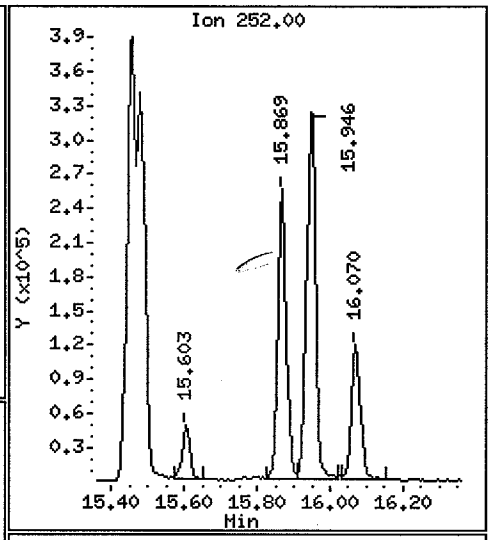
Concentration: 1613 ug/kg

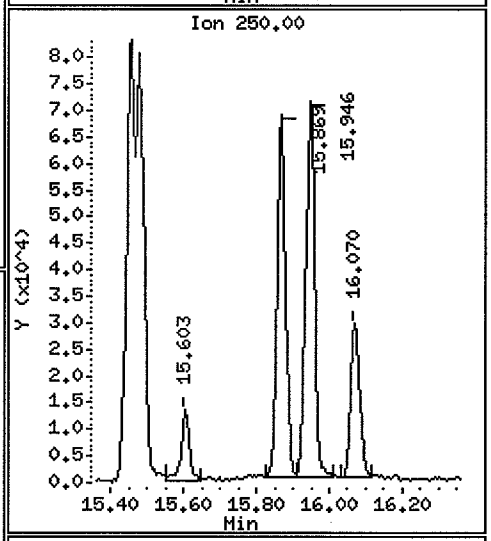


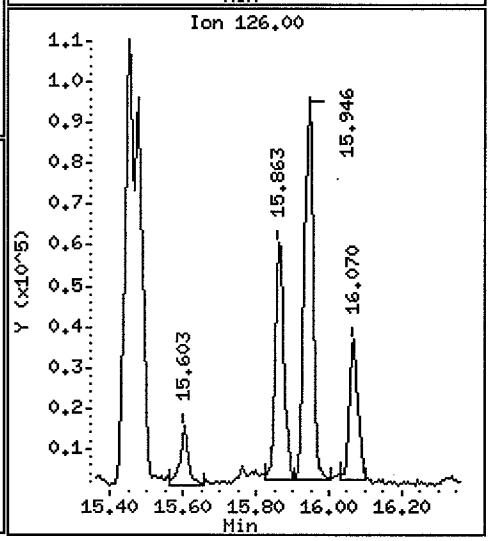












Data File: /chem3/nt1.i/20060804.b/jq33d10.d

Date : 04-AUG-2006 16:37

Client ID: T4-B414-02-A

Instrument: nt1.i

Sample Info: JQ33D,10

Volume Injected (uL): 1.0

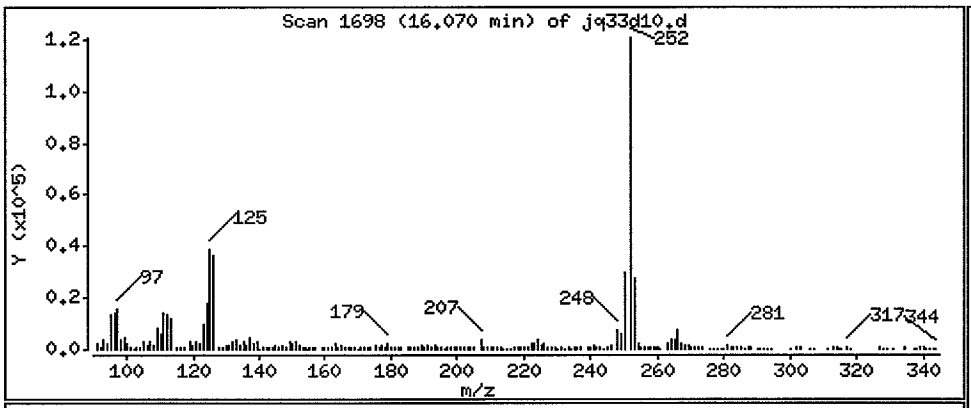
Operator: VTS

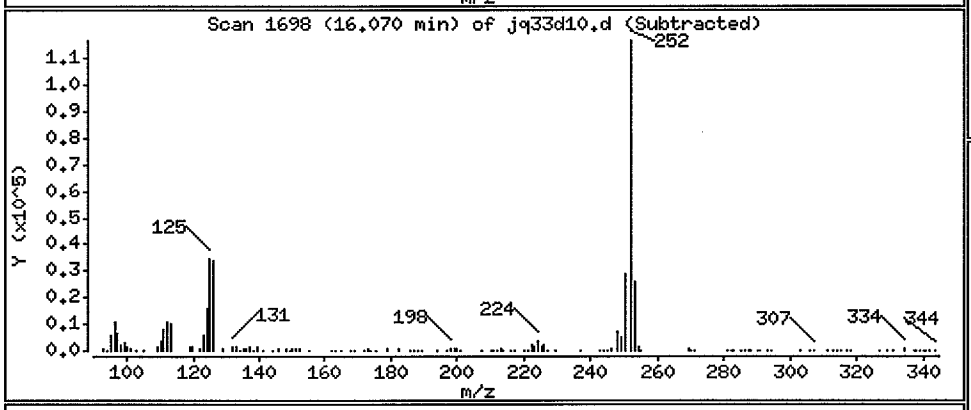
Column phase: ZB-5

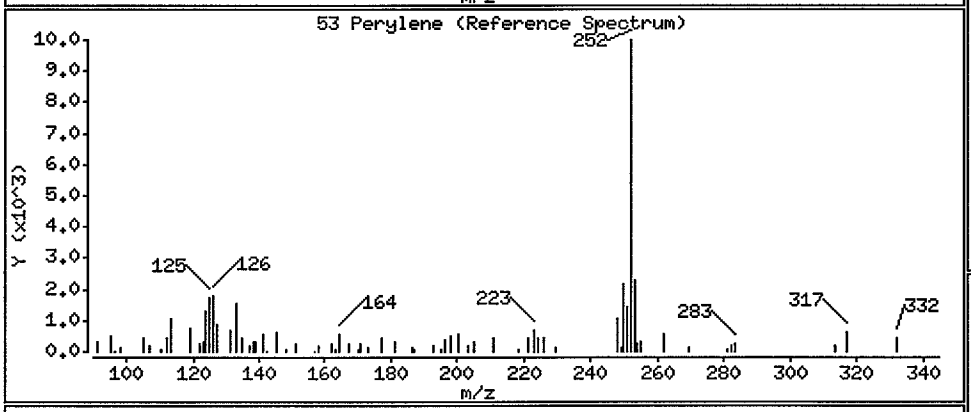
Column diameter: 0.25

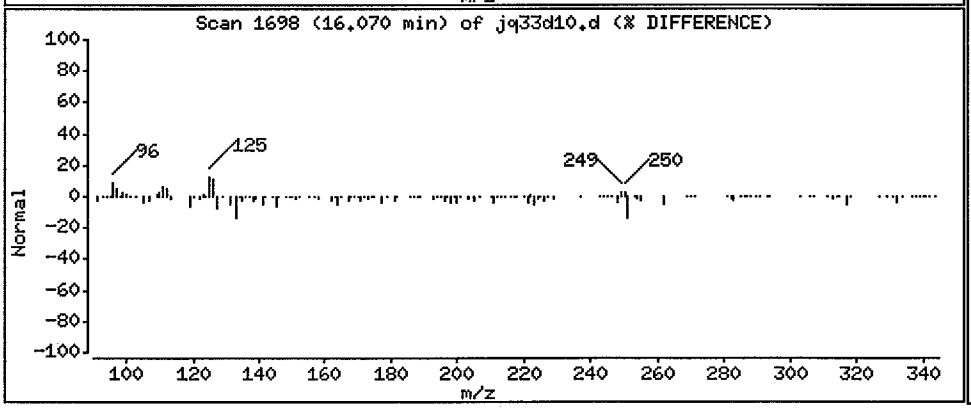
53 Perylene

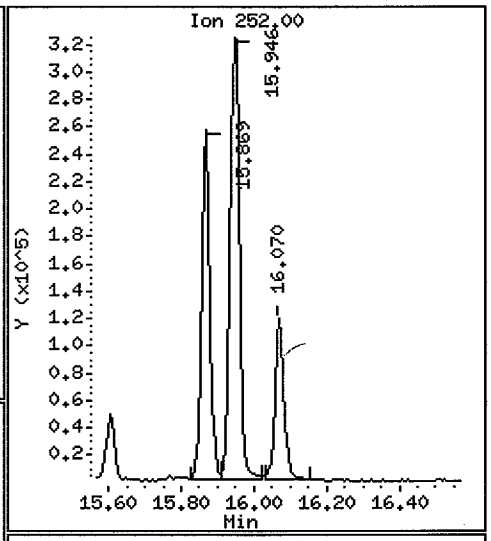
Concentration: 866.6 ug/kg

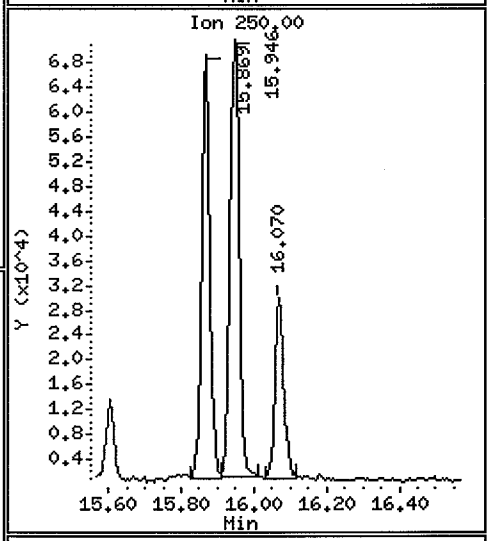


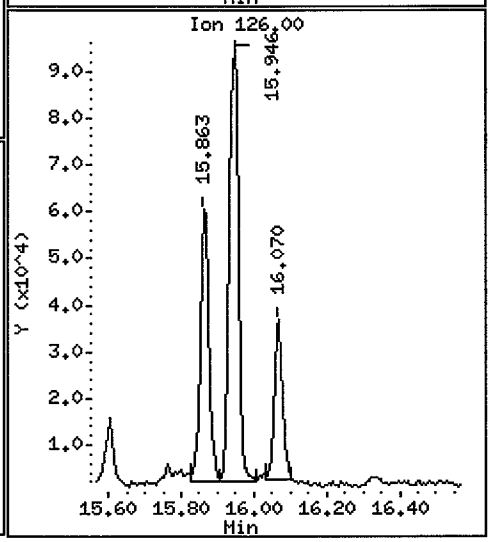












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-02-B
SAMPLE

Lab Sample ID: JQ33E
LIMS ID: 06-12927
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/08/06 11:32
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 49.4%
pH: 7.2

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	5.0	34	
91-57-6	2-Methylnaphthalene	5.0	15	
90-12-0	1-Methylnaphthalene	5.0	9.4	
208-96-8	Acenaphthylene	5.0	8.9	
83-32-9	Acenaphthene	5.0	40	
86-73-7	Fluorene	5.0	25	
85-01-8	Phenanthrene	5.0	150	B
120-12-7	Anthracene	5.0	27	
206-44-0	Fluoranthene	5.0	220	
129-00-0	Pyrene	5.0	200	
56-55-3	Benzo(a)anthracene	5.0	85	
218-01-9	Chrysene	5.0	120	
205-99-2	Benzo(b)fluoranthene	5.0	110	
207-08-9	Benzo(k)fluoranthene	5.0	96	
50-32-8	Benzo(a)pyrene	5.0	100	
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	62	
53-70-3	Dibenz(a,h)anthracene	5.0	23	
191-24-2	Benzo(g,h,i)perylene	5.0	76	
198-55-0	Perylene	5.0	220	
92-52-4	Biphenyl	5.0	6.4	
581-42-0	2,6-Dimethylnaphthalene	5.0	13	
832-69-9	1-Methylphenanthrene	5.0	17	
192-97-2	Benzo(e)pyrene	5.0	74	
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	10	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	66.0%
d14-Dibenzo(a,h)anthracen	65.3%

YZ 8/8/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060808.b/jq33e.d
Lab Smp Id: JQ33E Client Smp ID: T4-B414-02-B
Inj Date : 08-AUG-2006 11:32
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33E
Misc Info : 06-12927
Comment : 1ul Injection
Method : /chem3/nt1.i/20060808.b/simpna.m
Meth Date : 08-Aug-2006 10:25 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	20.00000	Weight of sample extracted (g)
M	49.40000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.885	6.884	(1.000)	254624	2.00000	
	2 Naphthalene	128	6.903	6.907	(1.003)	87754	0.69095	34.14
$	3 2-Methylnaphthalene-d10	152	7.641	7.640	(1.110)	129826	1.97957	97.80
	4 2-Methylnaphthalene	142	7.677	7.676	(1.115)	22910	0.30460	15.05
	5 1-Methylnaphthalene	142	7.807	7.806	(1.134)	15136	0.19185	9.479
	7 Acenaphthylene	152	8.764	8.763	(0.980)	20211	0.18229	9.006
*	8 Acenaphthene-d10	164	8.948	8.946	(1.000)	133732	2.00000	
	9 Acenaphthene	153	8.983	8.982	(1.004)	53499	0.81473	40.25
	10 Dibenzofuran	168	9.172	9.171	(1.025)	22035	0.22782	11.26
	11 Fluorene	166	9.598	9.596	(1.073)	38275	0.50832	25.11
*	15 Phenanthrene-d10	188	10.756	10.755	(1.000)	214656	2.00000	
	16 Phenanthrene	178	10.786	10.784	(1.003)	336619	3.05519 B	150.9
	17 Anthracene	178	10.845	10.843	(1.008)	58941	0.53531	26.45
	19 Fluoranthene	202	12.281	12.280	(1.142)	497364	4.42572	218.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	20 Pyrene	202	12.571	12.569	(0.893)	531294	4.09210	202.2
	22 Benzo(a)anthracene	228	14.054	14.047	(0.998)	210001	1.72475	85.21
*	23 Chrysene-d12	240	14.078	14.070	(1.000)	202193	2.00000	
	24 Chrysene	228	14.107	14.100	(1.002)	264384	2.35418	116.3
	28 Benzo(b)fluoranthene	252	15.455	15.441	(0.964)	263737	2.28481	112.9
	29 Benzo(k)fluoranthene	252	15.478	15.477	(0.965)	237204	1.92754	95.23
	30 Benzo(a)pyrene	252	15.951	15.938	(0.995)	228338	2.03010	100.3
*	31 Perylene-d12	264	16.034	16.021	(1.000)	204528	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	18.008	17.989	(1.123)	161694	1.25008	61.76
$	32 Dibenz(a,h)anthrancene-d14	292	17.931	17.912	(1.118)	153600	1.96238	96.96
	34 Dibenz(a,h)anthracene	278	17.990	17.977	(1.122)	50173	0.47482	23.46
	35 Benzo(g,h,i)perylene	276	18.593	18.568	(1.160)	165790	1.54193	76.18
	48 Biphenyl	154	8.215	8.213	(0.918)	10862	0.13146	6.495
	49 2,6-Dimethylnaphthalene	156	8.410	8.408	(0.940)	17045	0.26192	12.94
	50 2,3,5-Trimethylnaphthalene	170	9.426	9.431	(1.054)	11244	0.21094	10.42(M)
	51 1-Methylphenanthrene	192	11.560	11.559	(0.821)	28119	0.33975	16.79
	52 Benzo(e)pyrene	252	15.868	15.861	(0.990)	187256	1.50404	74.31
	53 Perylene	252	16.075	16.068	(1.003)	516013	4.41420	218.1

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33e.d
Lab Smp Id: JQ33E
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060808.b/simpna.m
Misc Info: 06-12927

Calibration Date: 08-AUG-2006
Calibration Time: 09:27
Client Smp ID: T4-B414-02-B
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	260380	130190	520760	254624	-2.21
8 Acenaphthene-d10	135690	67845	271380	133732	-1.44
15 Phenanthrene-d10	210931	105466	421862	214656	1.77
23 Chrysene-d12	190595	95298	381190	202193	6.09
31 Perylene-d12	193807	96904	387614	204528	5.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	0.02
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	0.02
15 Phenanthrene-d10	10.75	10.25	11.25	10.76	0.01
23 Chrysene-d12	14.07	13.57	14.57	14.08	0.05
31 Perylene-d12	16.02	15.52	16.52	16.03	0.08

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

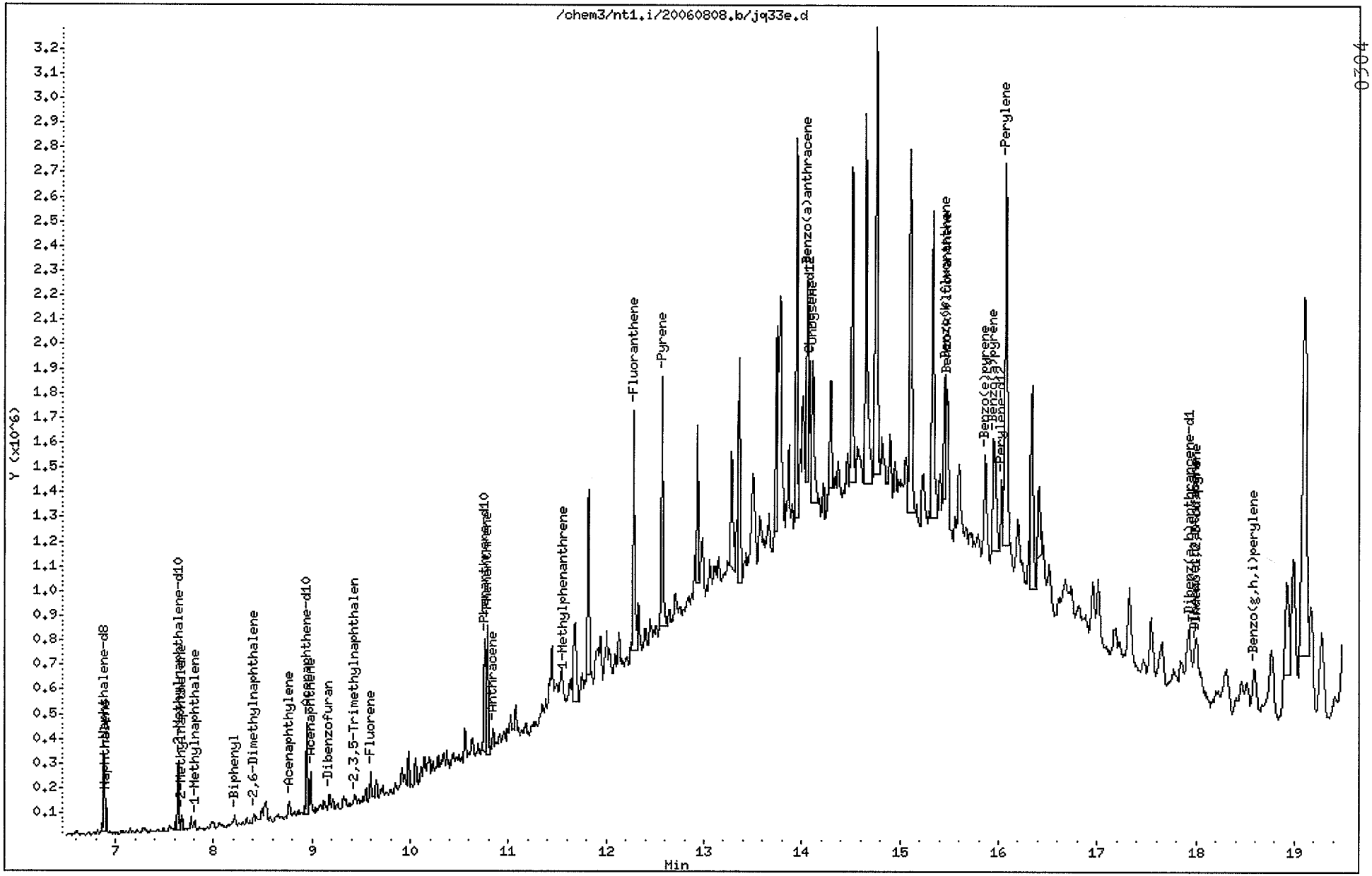
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33E
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060808.b/simpna.m
Misc Info: 06-12927

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-02-B
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	148.2	97.80	65.99	32-97
$ 32 Dibenz(a,h)anthran	148.2	96.96	65.41	21-105

Data File: /chem3/nt1.i/20060808.b/jq33e.d
Date : 08-AUG-2006 11:32
Client ID: T4-B414-02-B
Sample Info: JQ33E
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

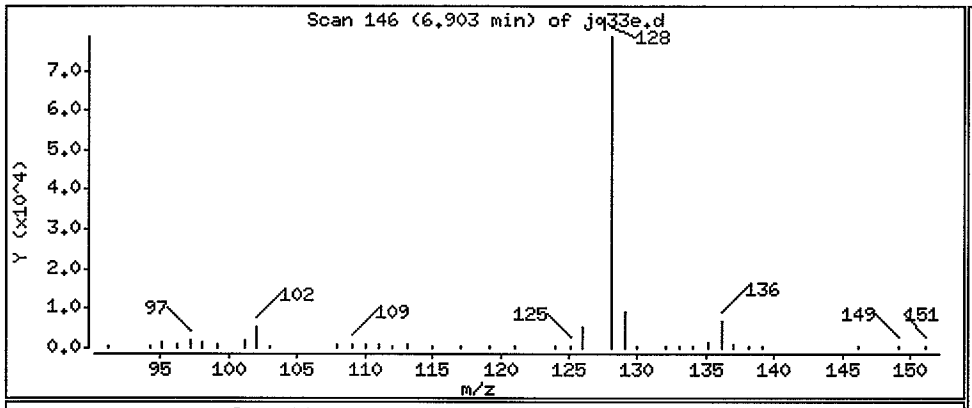
Operator: VTS

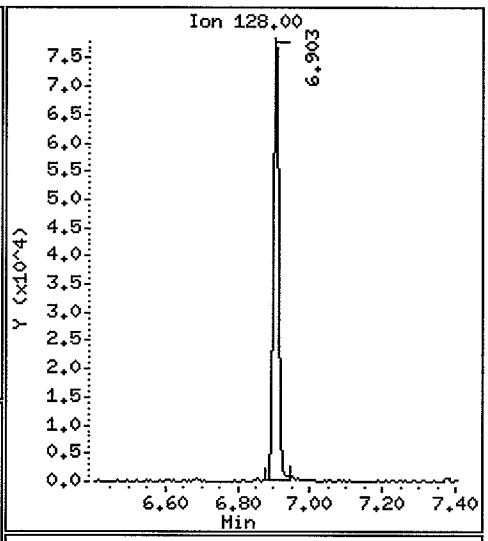
Column phase: ZB-5

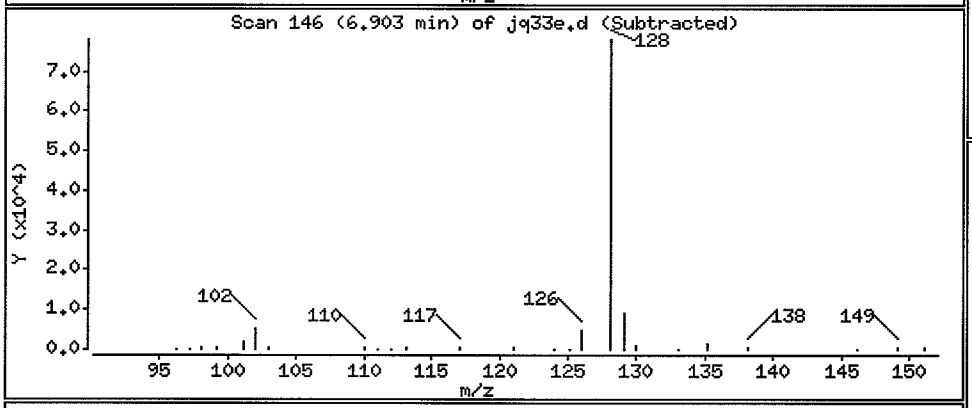
Column diameter: 0.25

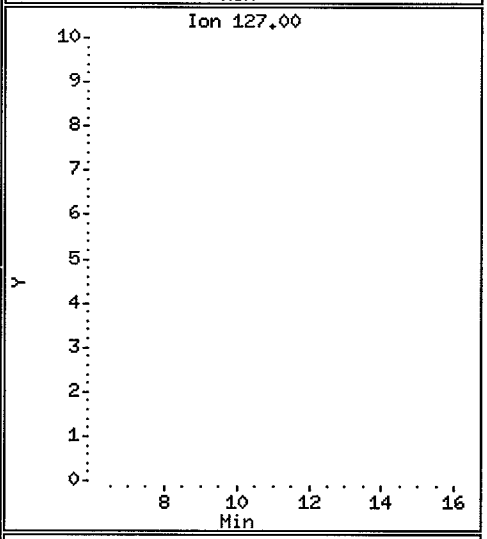
2 Naphthalene

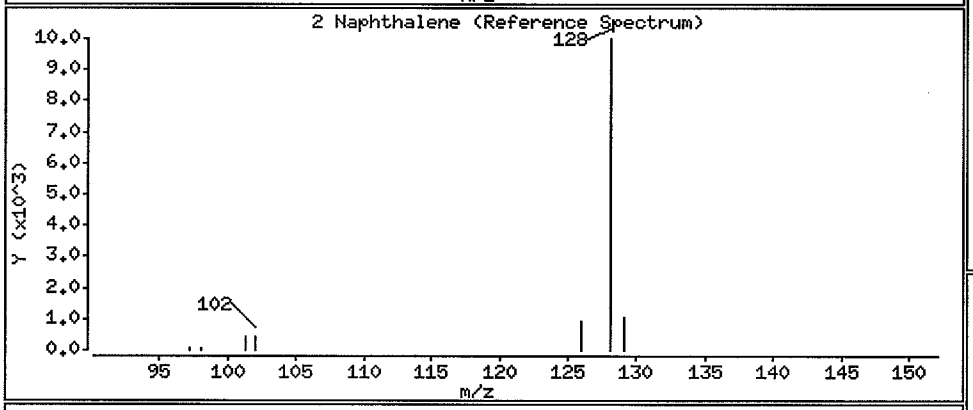
Concentration: 34.14 ug/kg

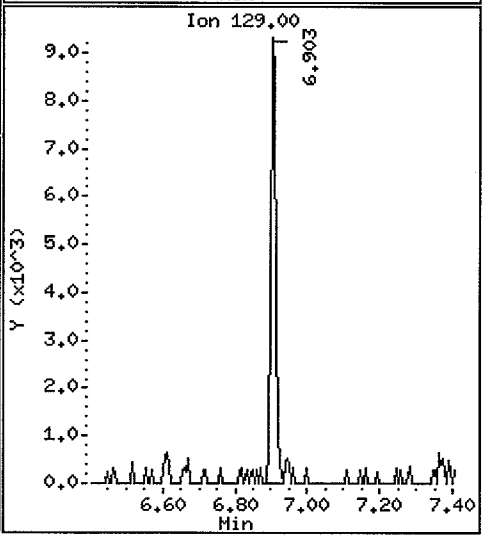


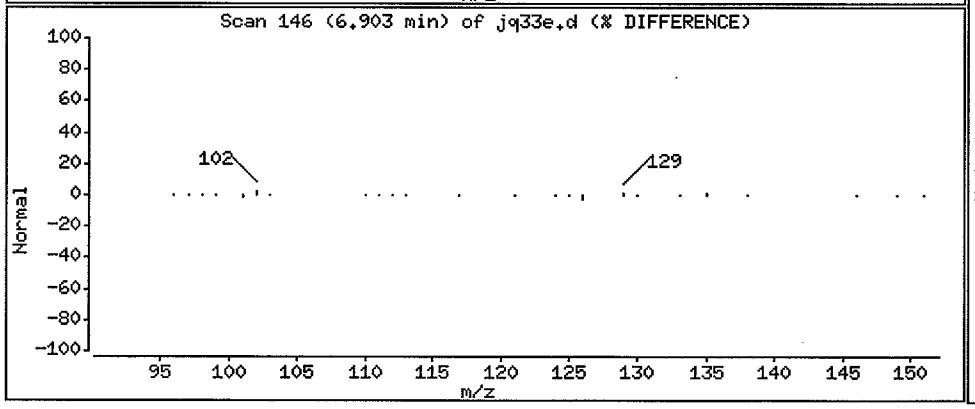












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

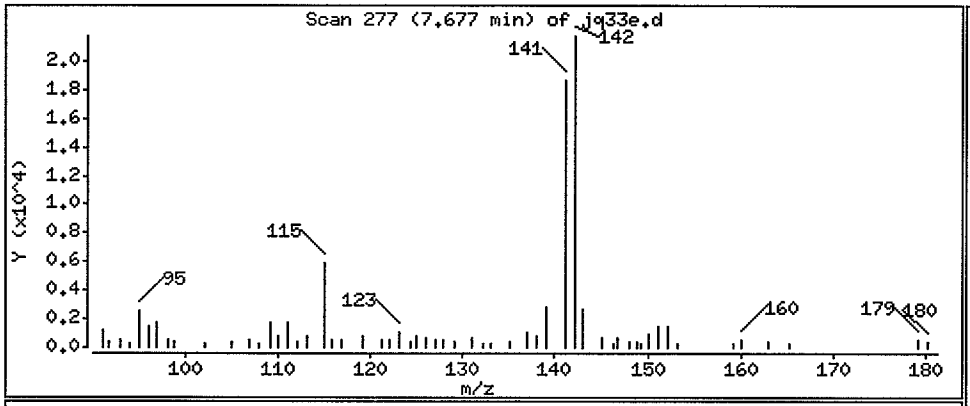
Operator: VTS

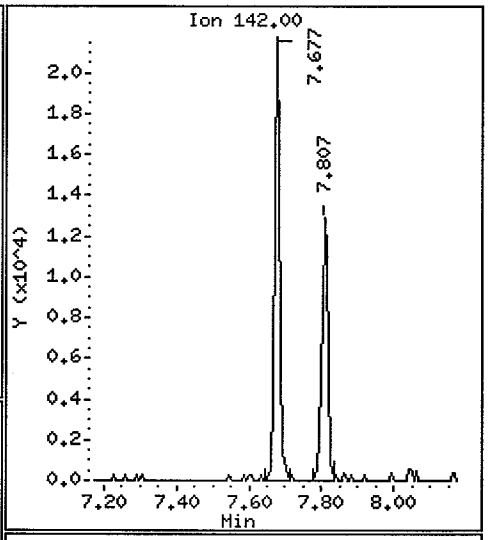
Column phase: ZB-5

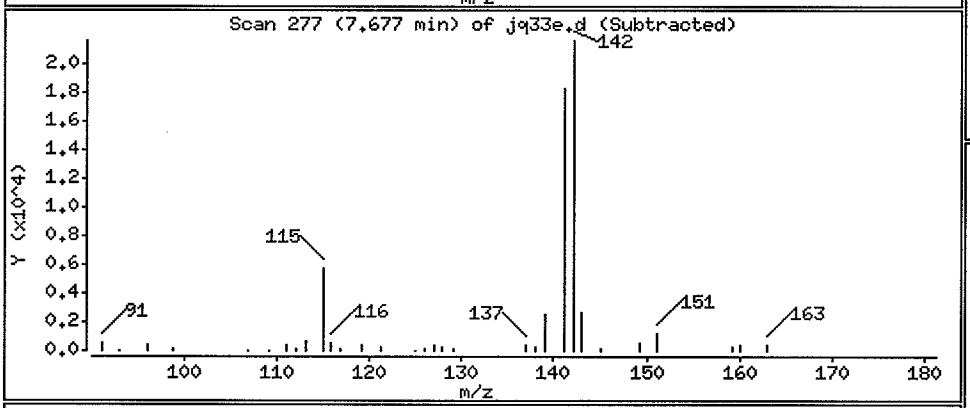
Column diameter: 0.25

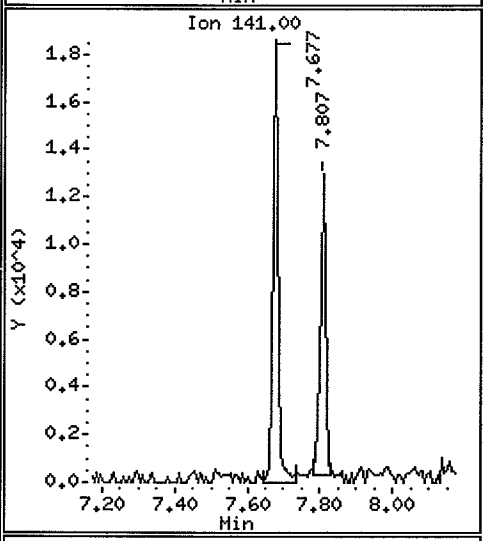
4 2-Methylnaphthalene

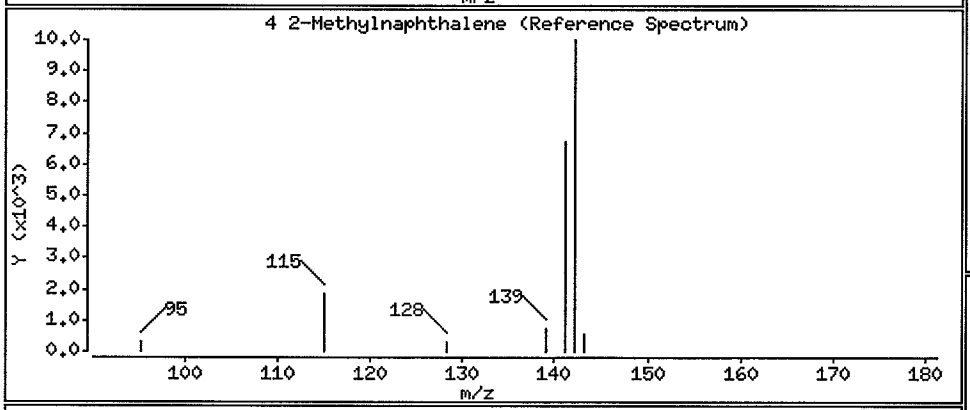
Concentration: 15.05 ug/kg

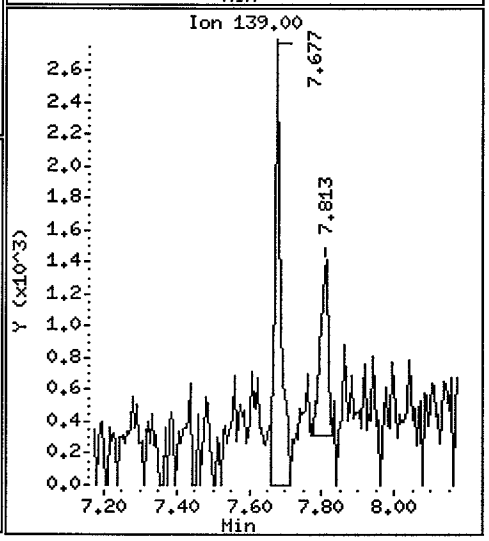


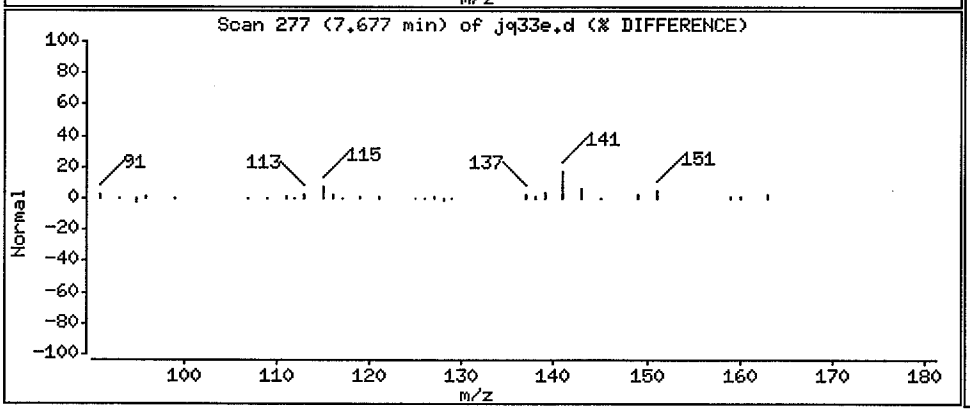












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

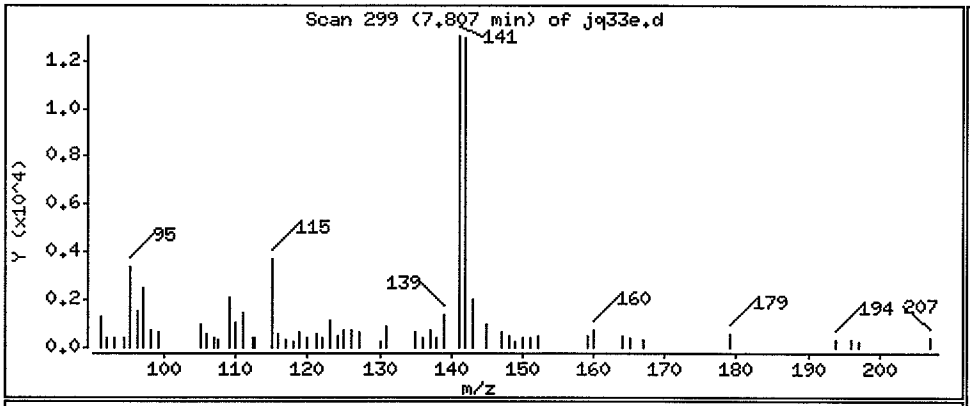
Operator: VTS

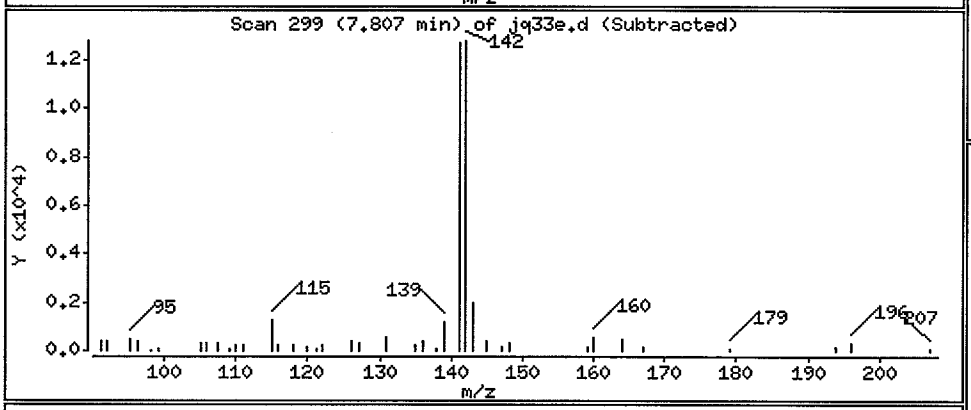
Column phase: ZB-5

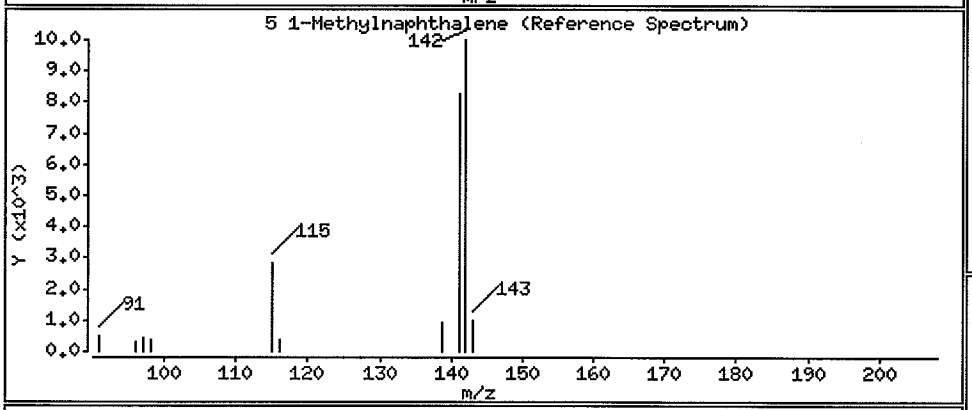
Column diameter: 0.25

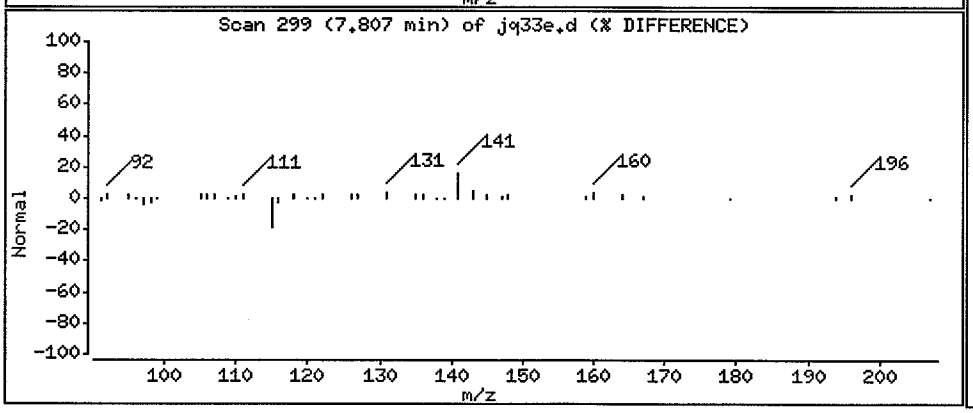
5 1-Methylnaphthalene

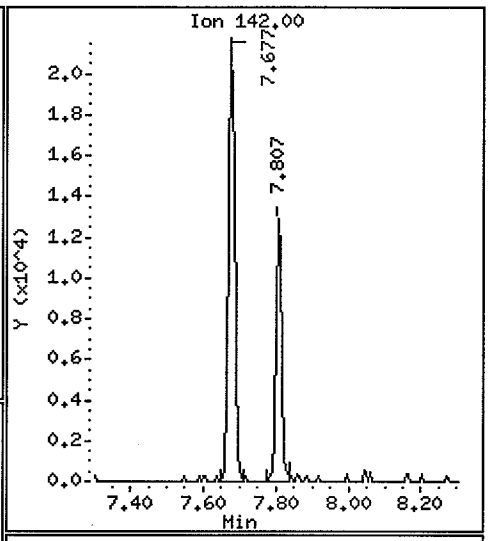
Concentration: 9.479 ug/kg

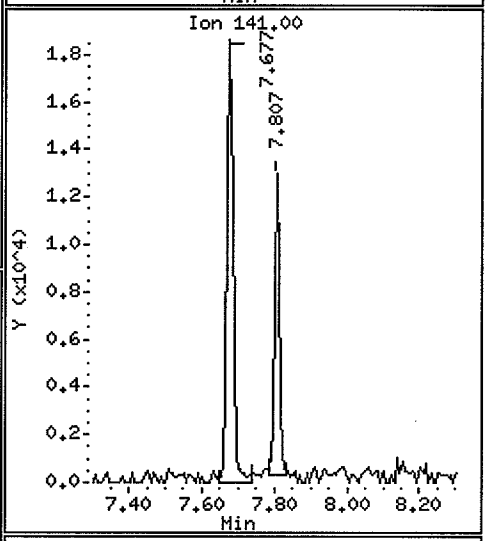


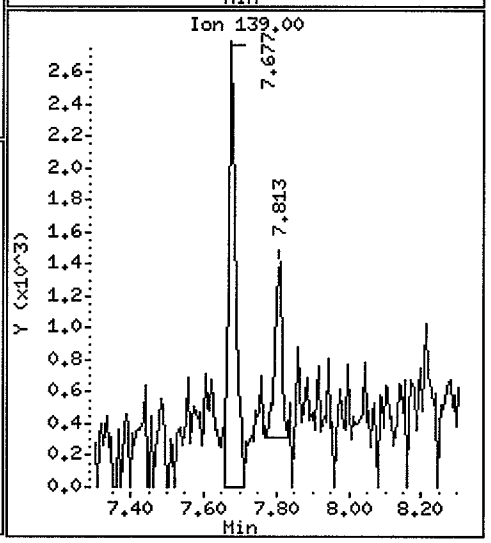












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

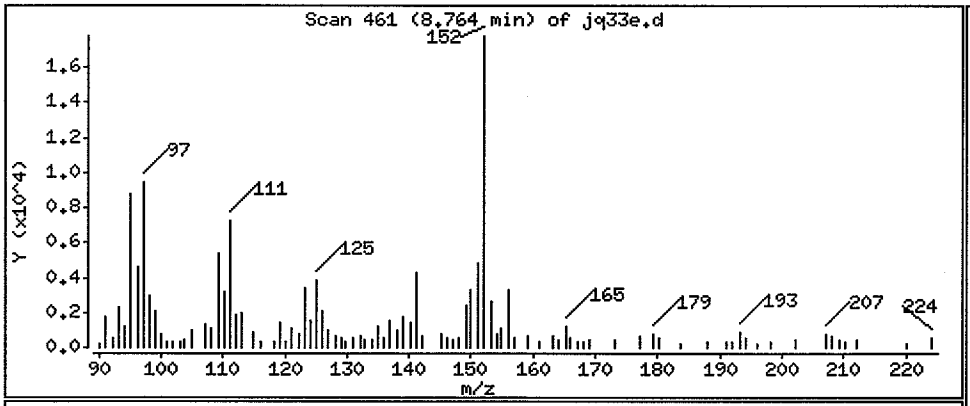
Operator: VTS

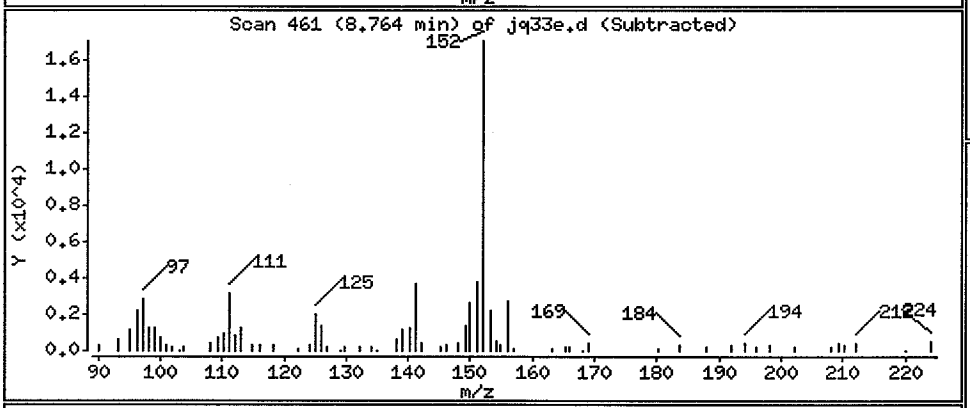
Column phase: ZB-5

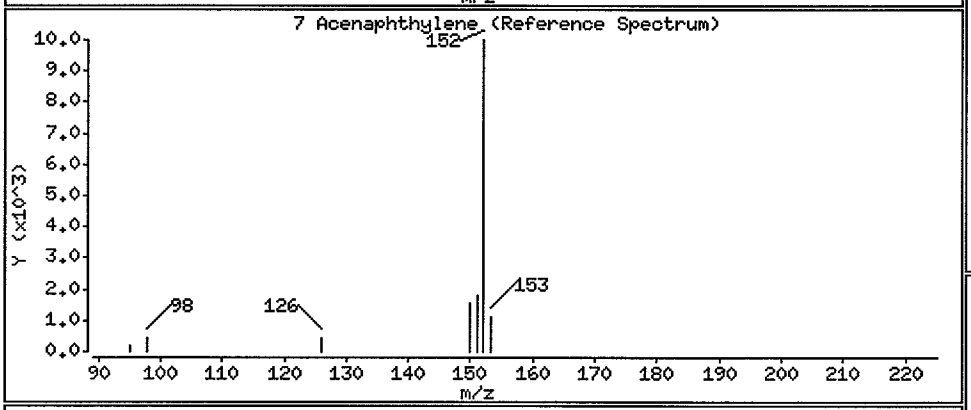
Column diameter: 0.25

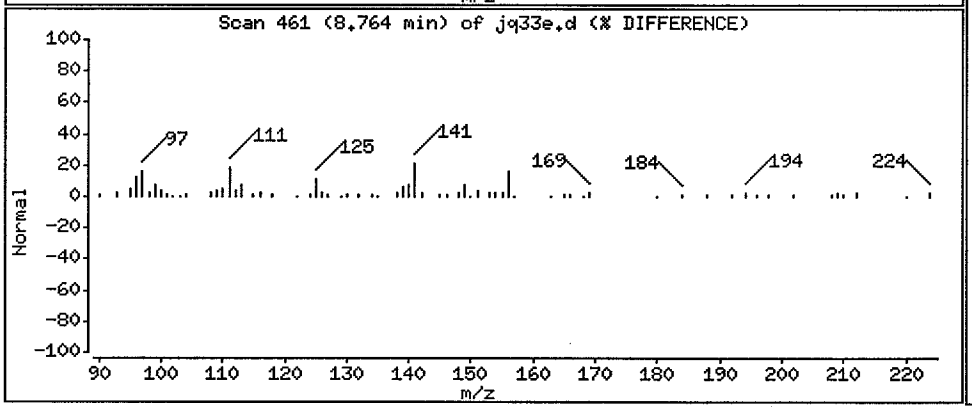
7 Acenaphthylene

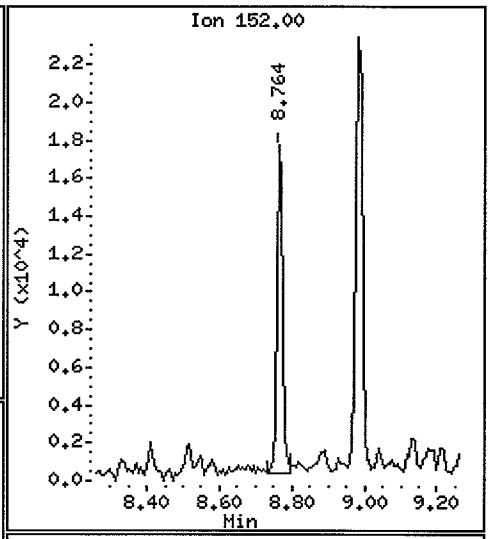
Concentration: 9.006 ug/kg

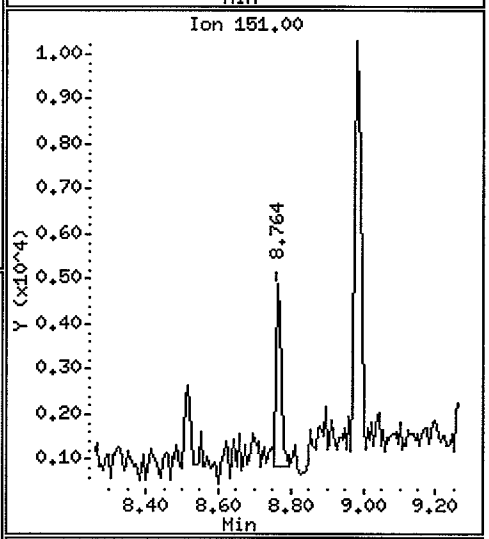


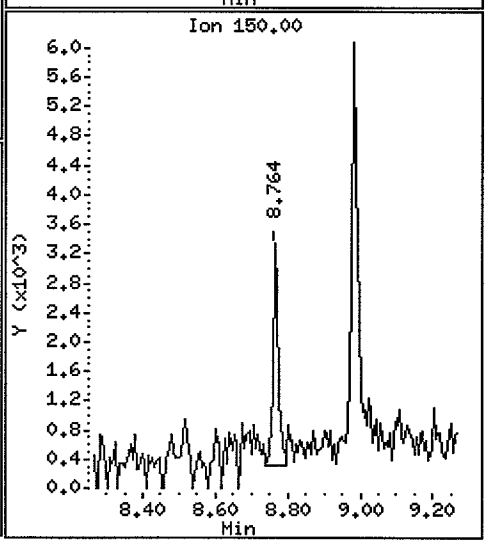












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

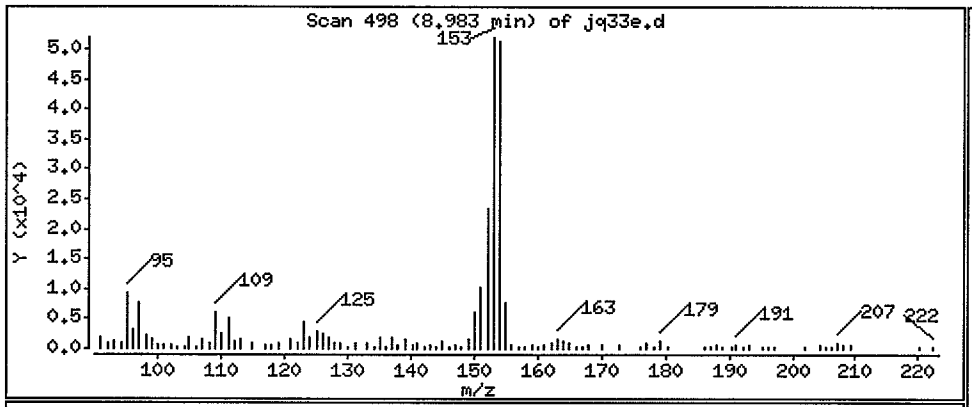
Operator: VTS

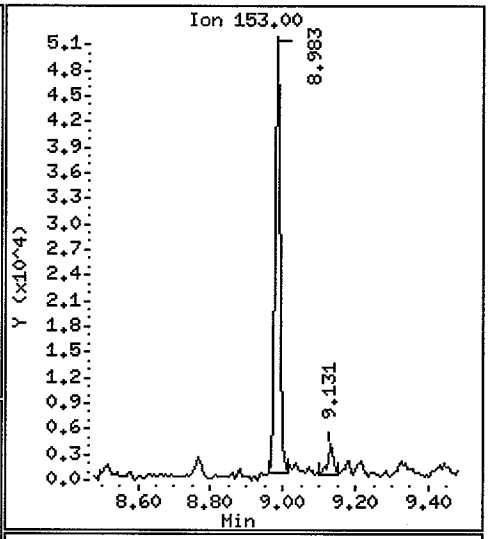
Column phase: ZB-5

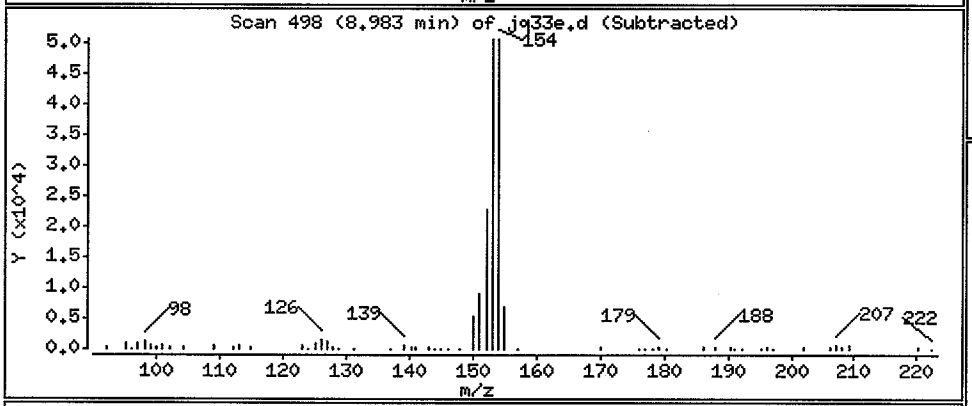
Column diameter: 0.25

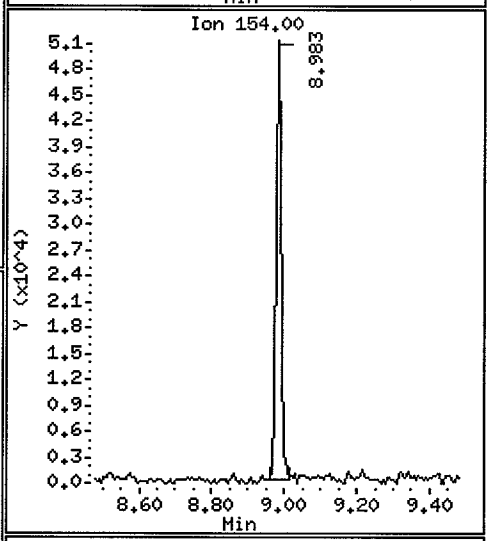
9 Acenaphthene

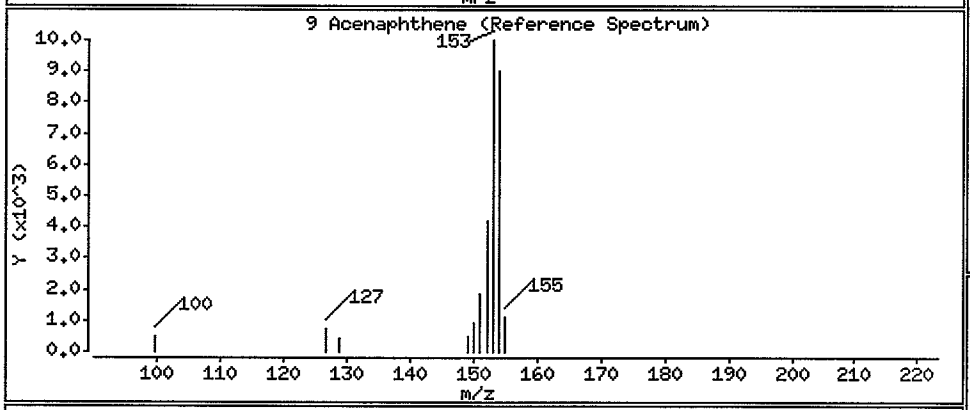
Concentration: 40.25 ug/kg

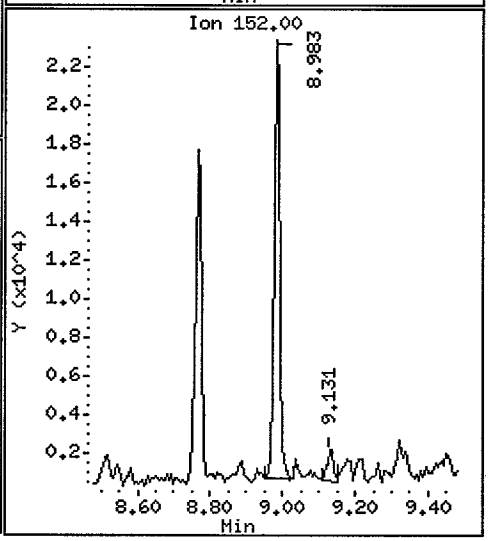


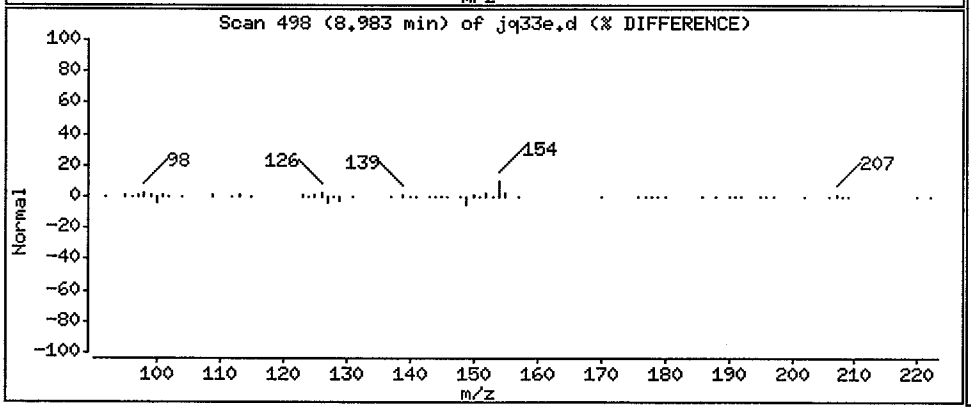












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

Operator: VTS

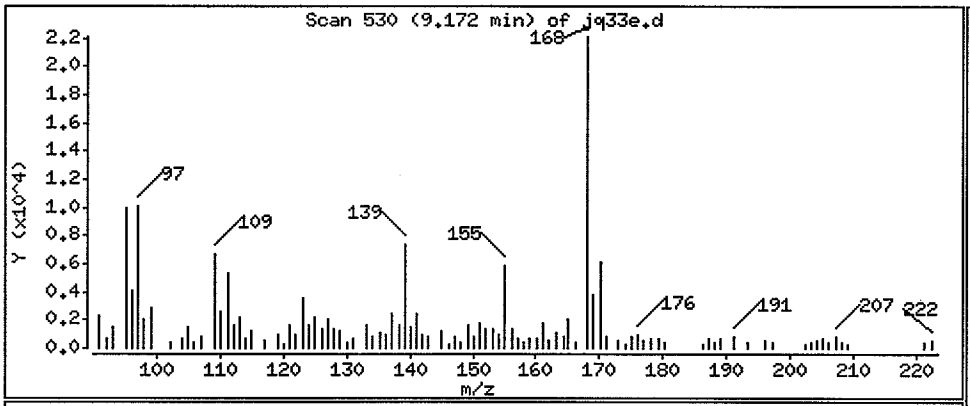
Column phase: ZB-5

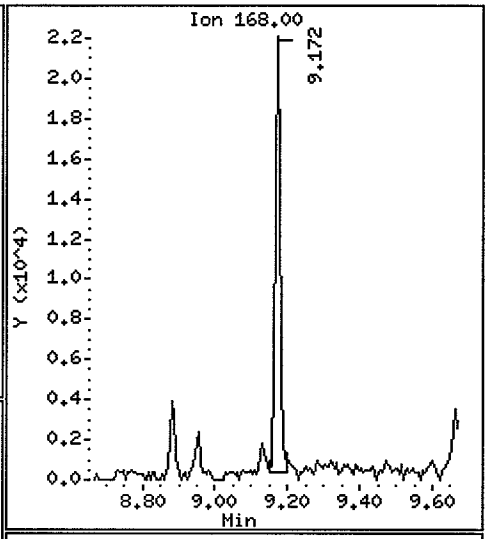
Column diameter: 0.25

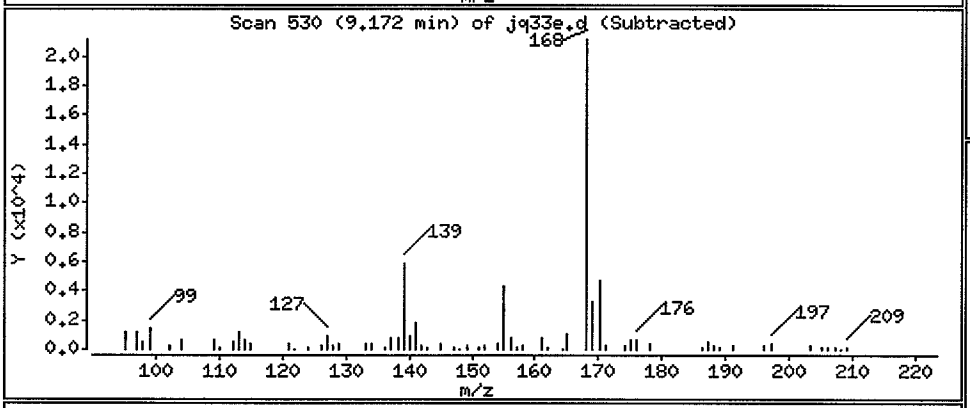
10 Dibenzofuran

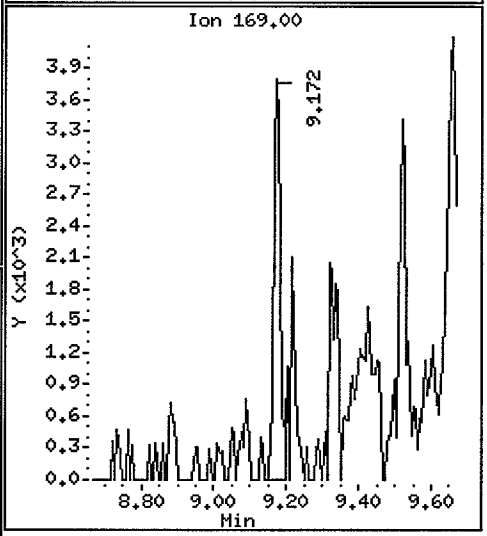
Concentration: 11.26 ug/kg

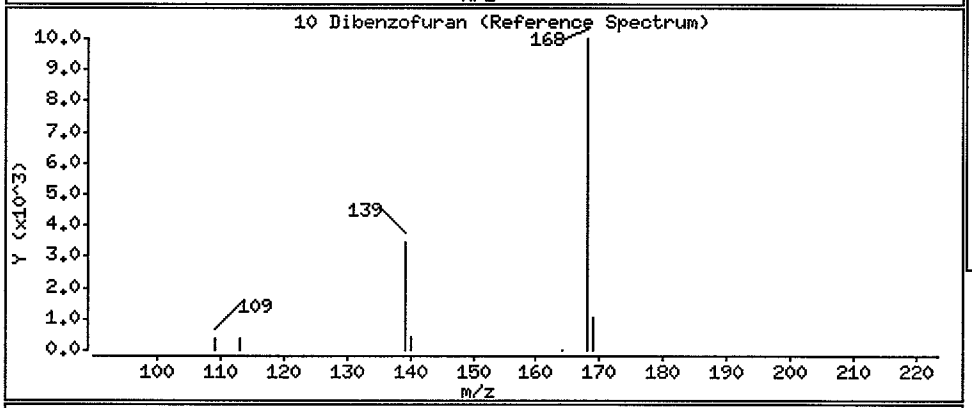
NR, qpl

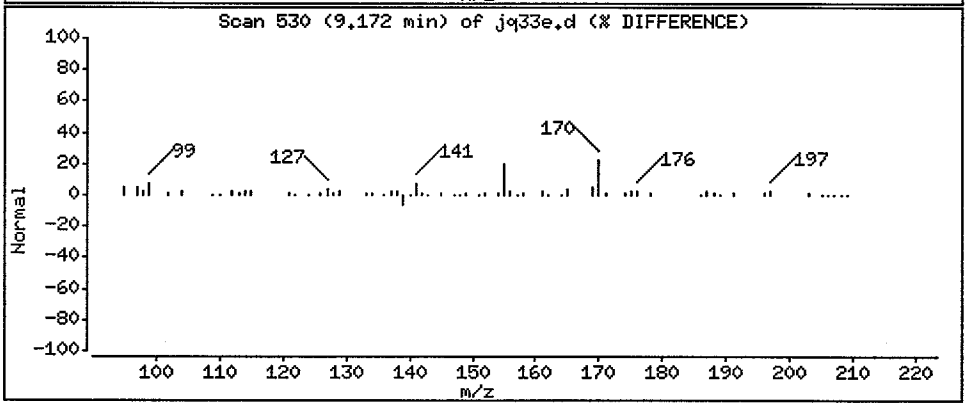












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

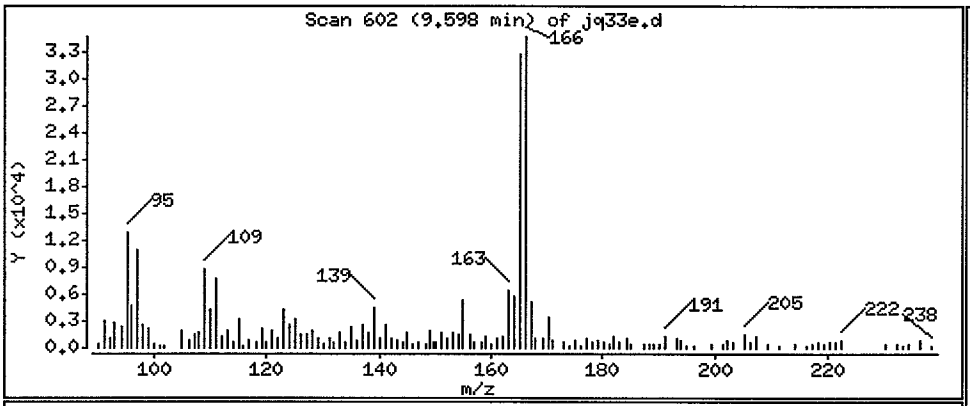
Operator: VTS

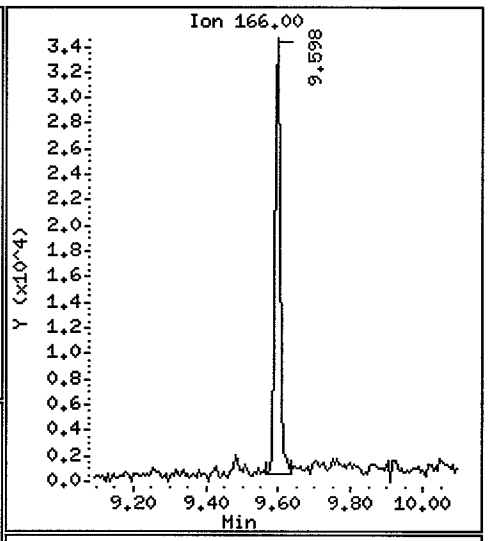
Column phase: ZB-5

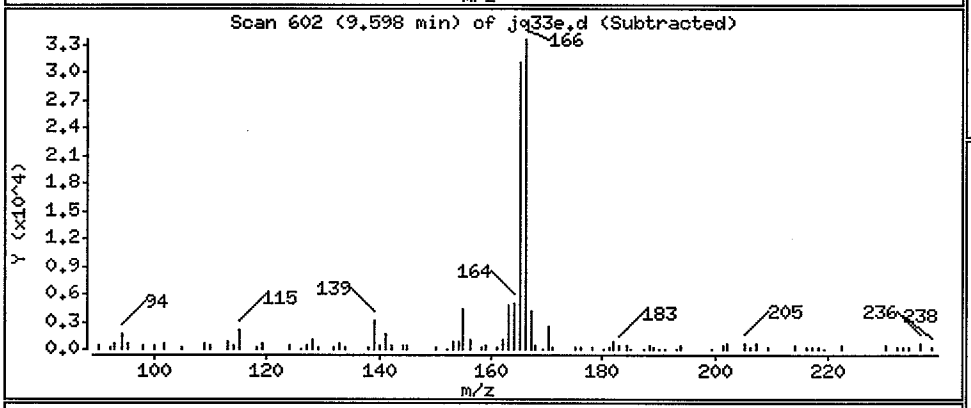
Column diameter: 0.25

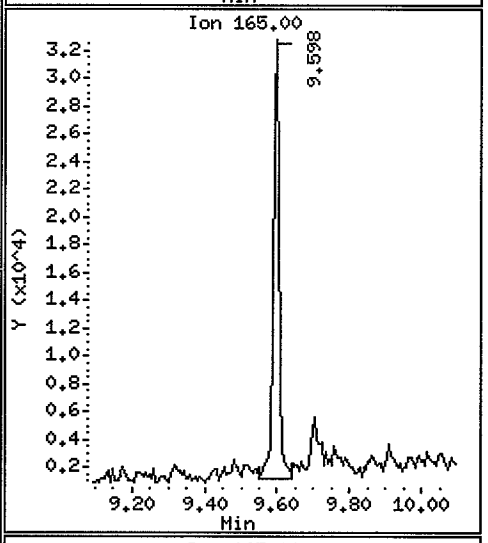
11 Fluorene

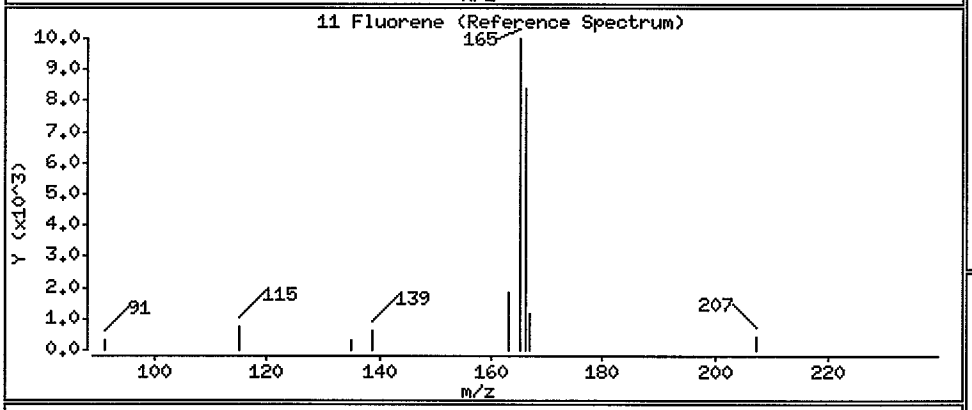
Concentration: 25.11 ug/kg

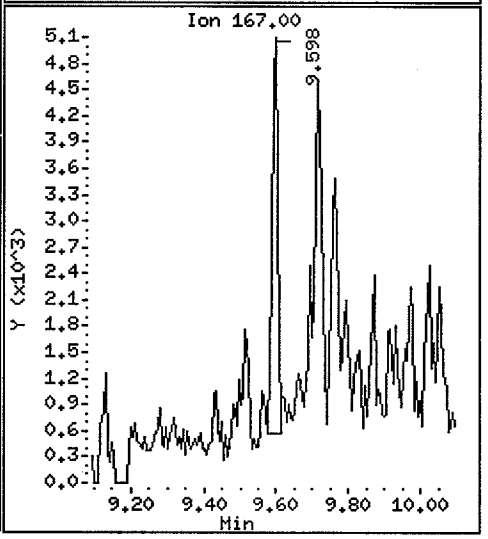


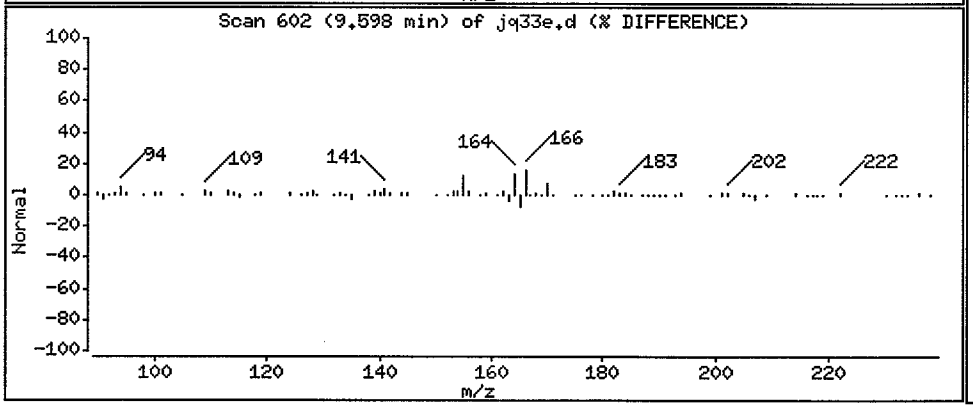












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

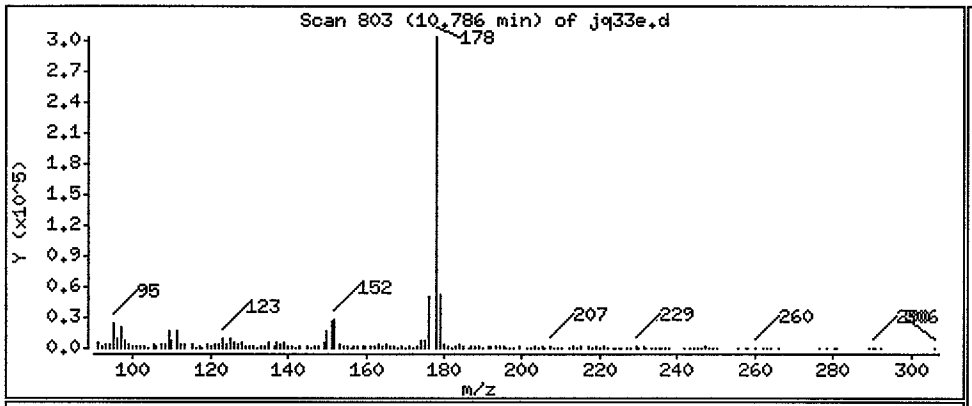
Operator: VTS

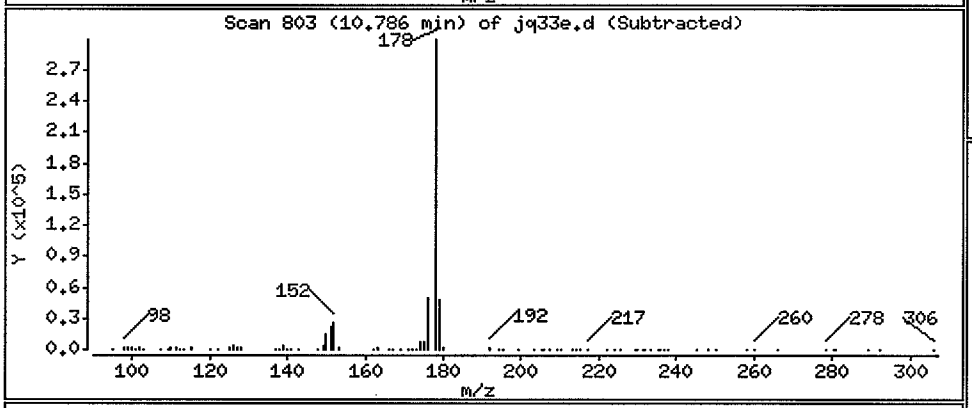
Column phase: ZB-5

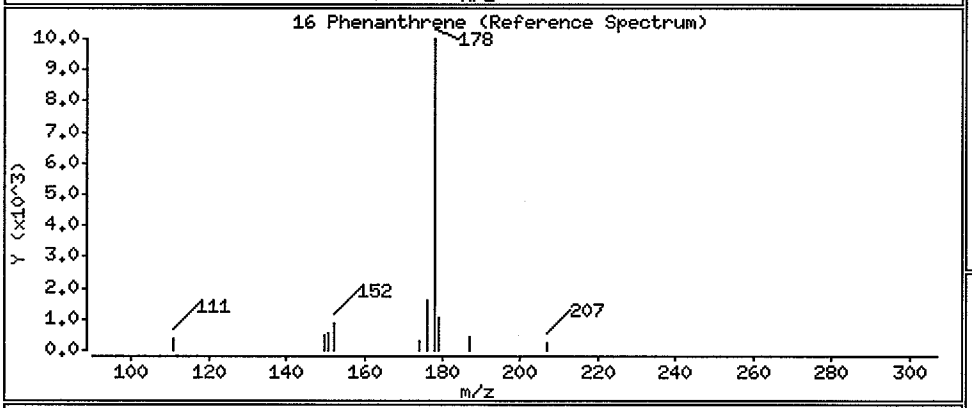
Column diameter: 0.25

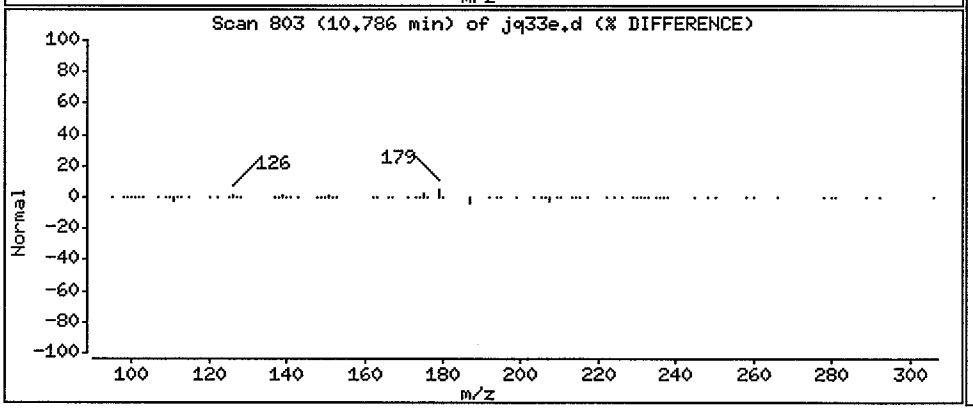
16 Phenanthrene

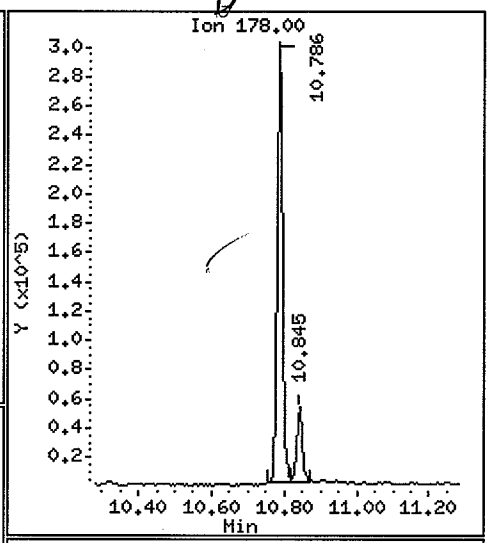
Concentration: 150.9 ug/kg

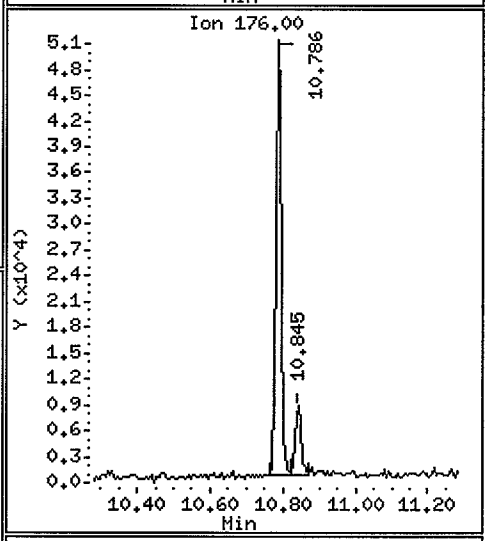


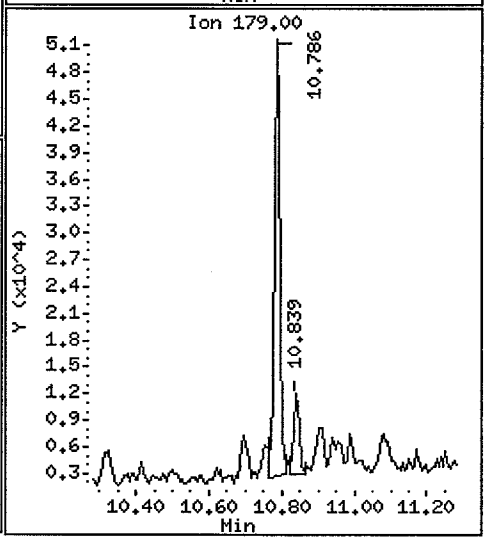












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

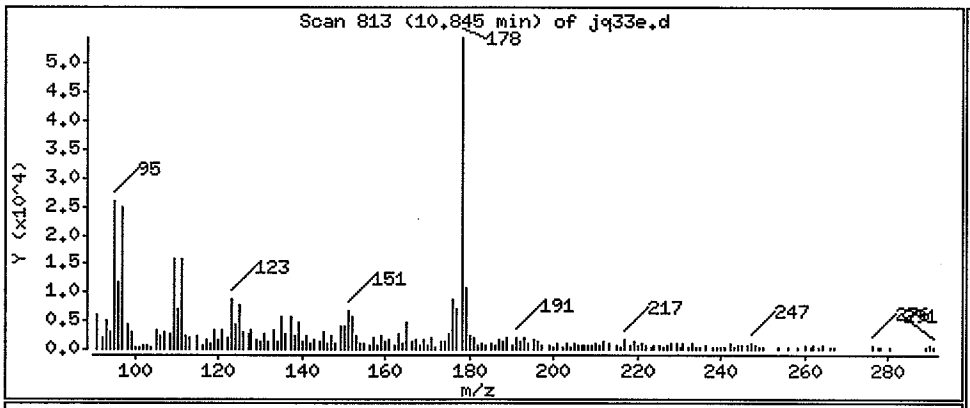
Operator: VTS

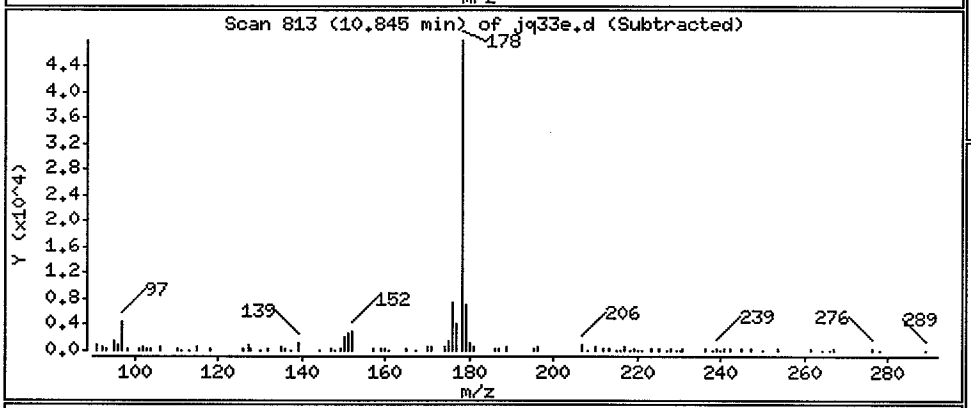
Column phase: ZB-5

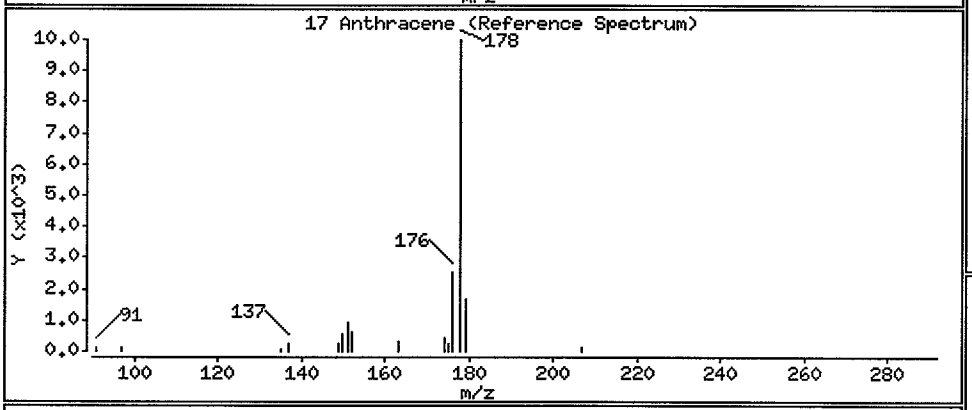
Column diameter: 0.25

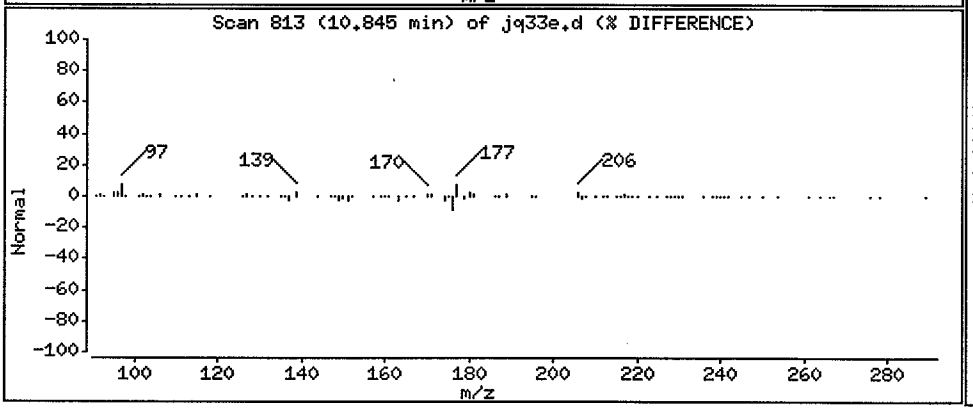
17 Anthracene

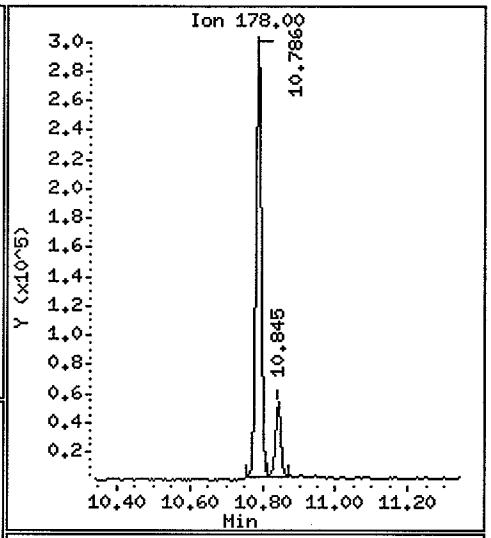
Concentration: 26.45 ug/kg

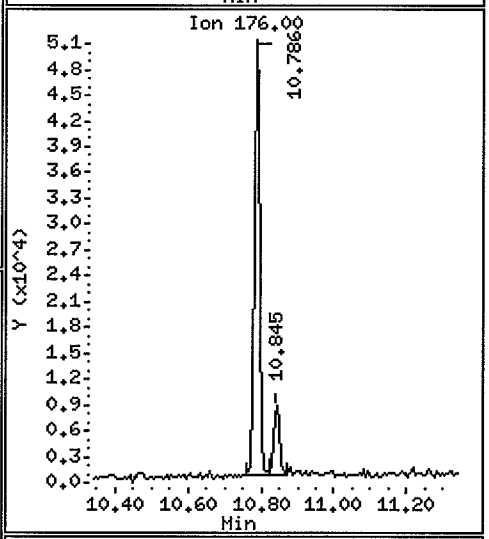


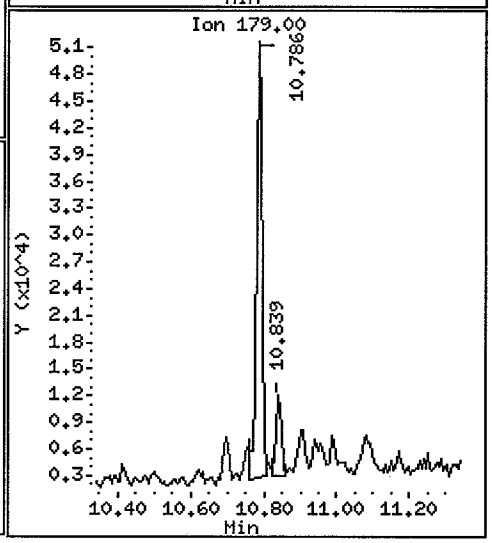












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

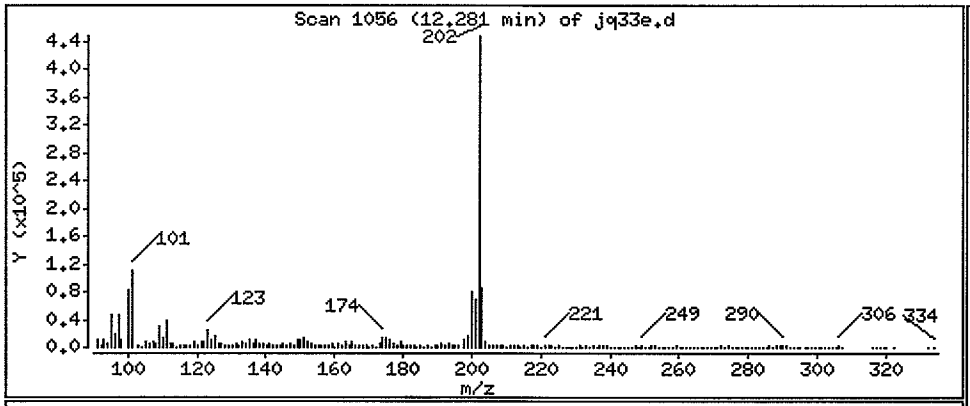
Operator: VTS

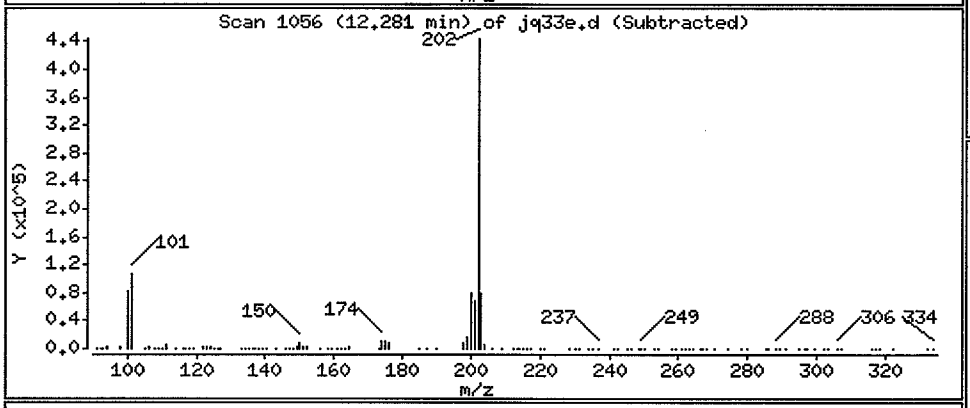
Column phase: ZB-5

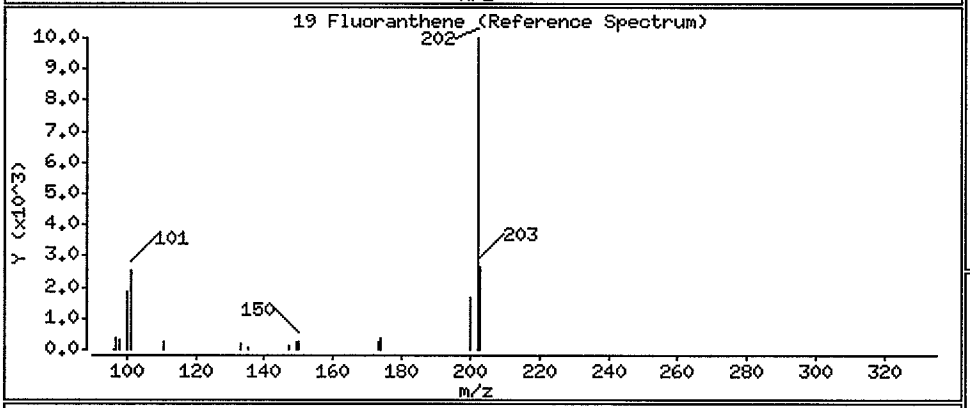
Column diameter: 0.25

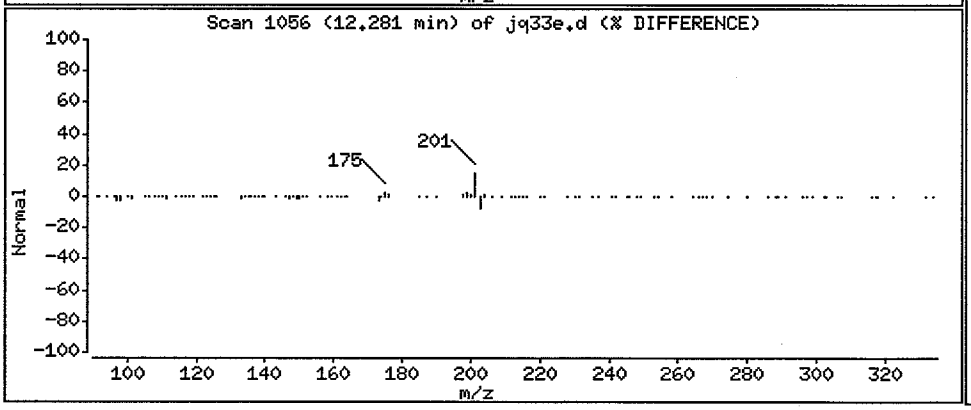
19 Fluoranthene

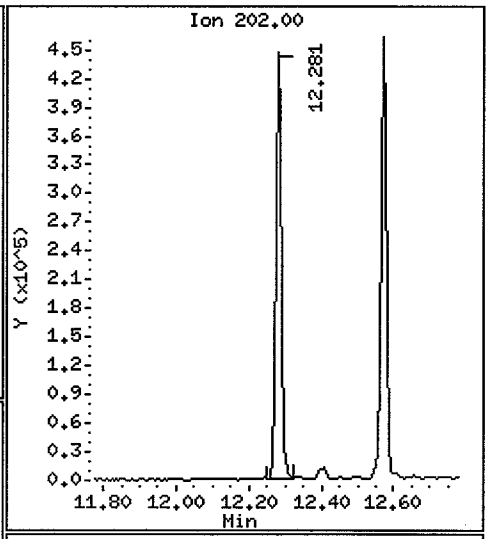
Concentration: 218.7 ug/kg

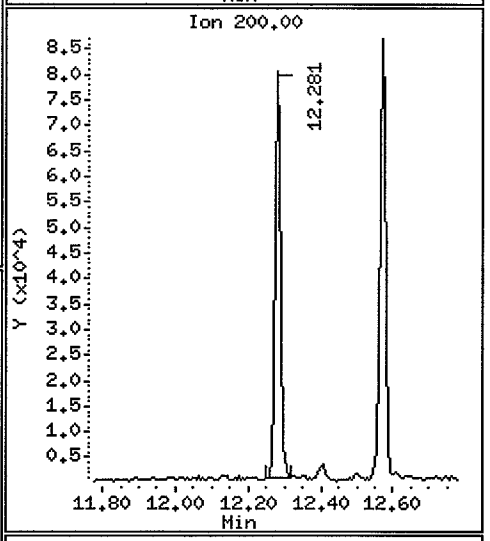


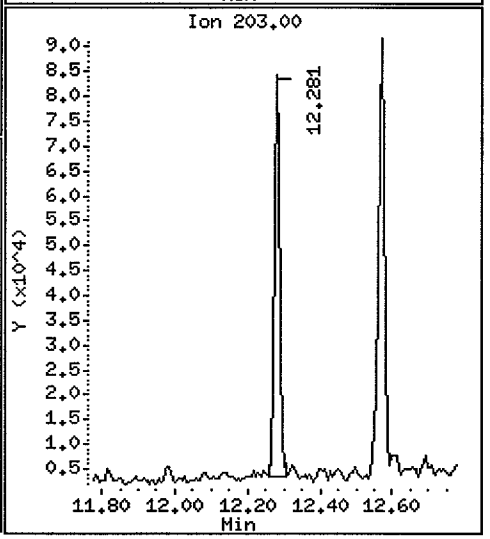












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

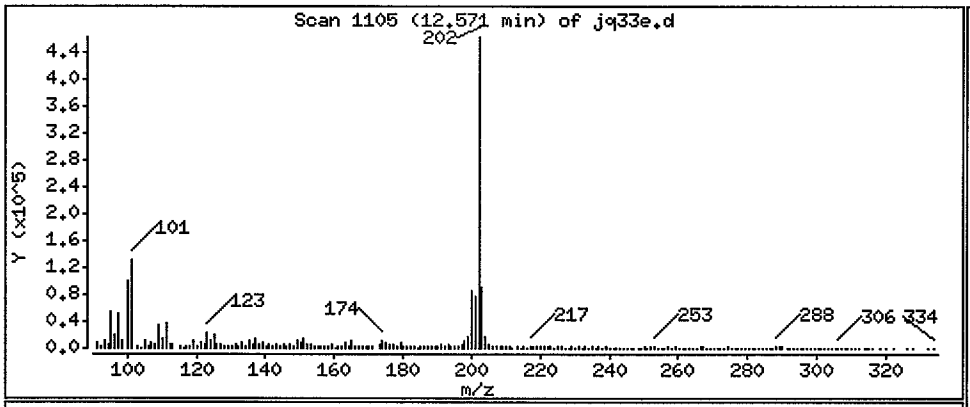
Operator: VTS

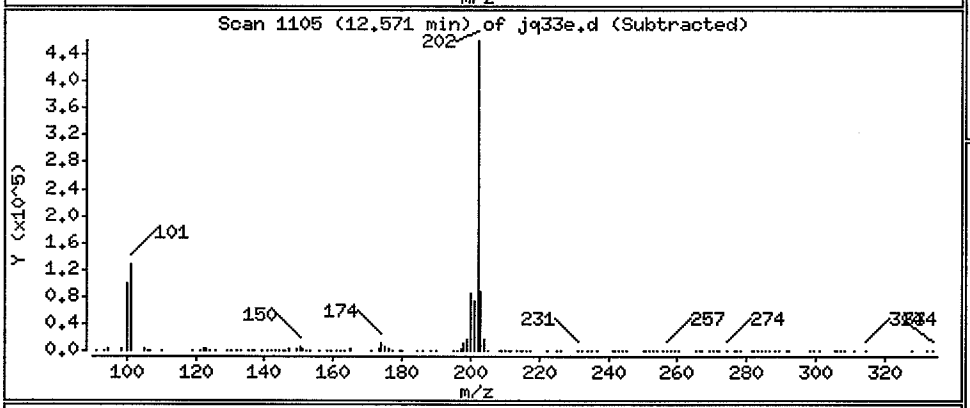
Column phase: ZB-5

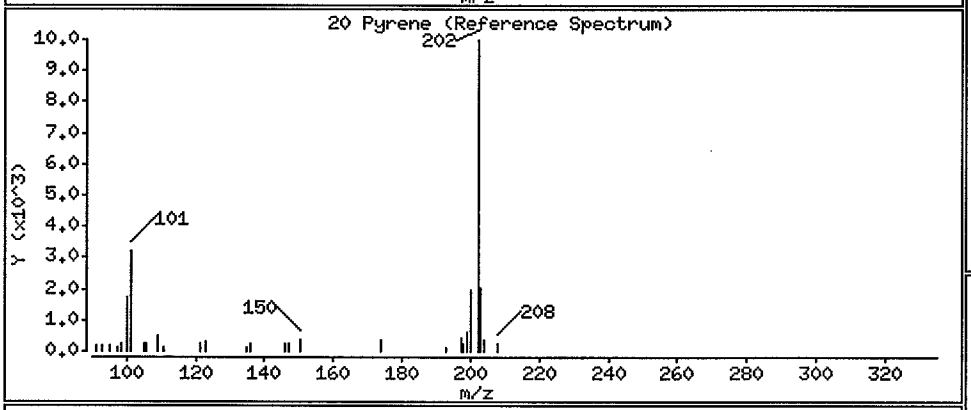
Column diameter: 0.25

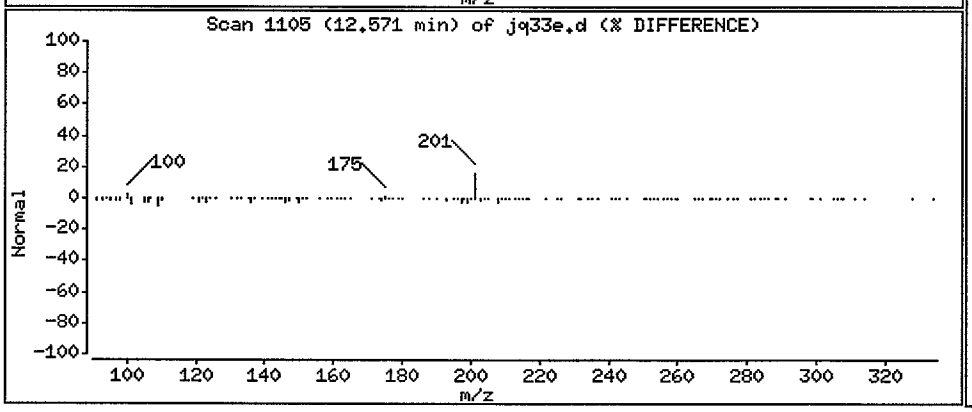
20 Pyrene

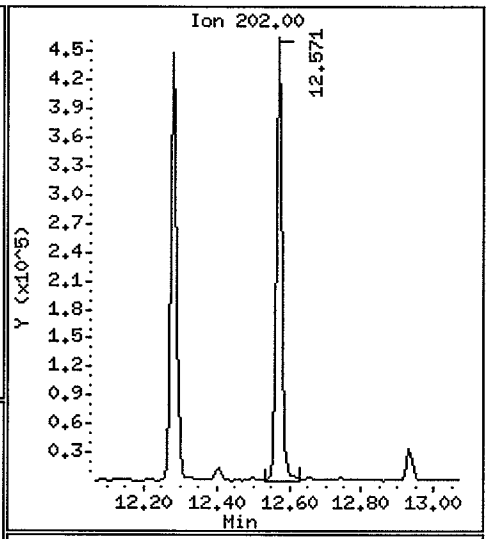
Concentration: 202.2 ug/kg

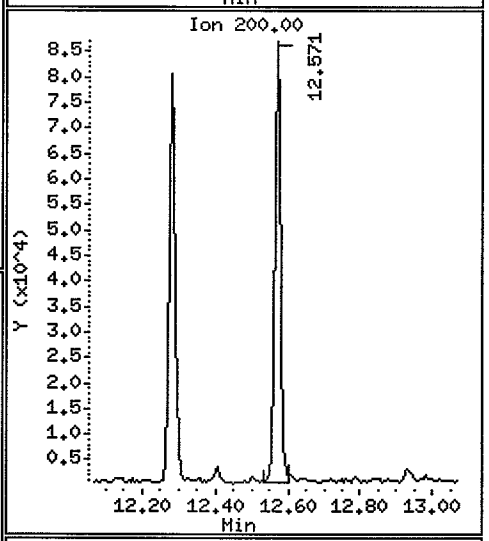


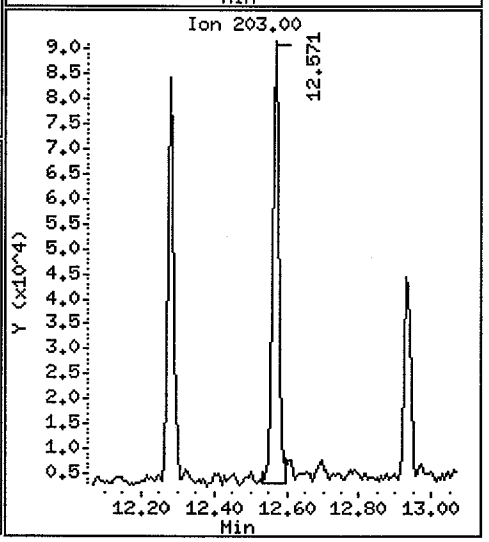












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

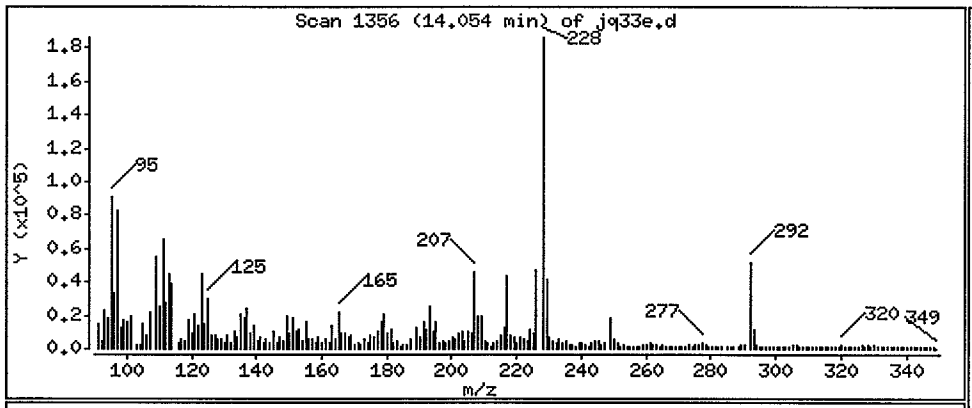
Operator: VTS

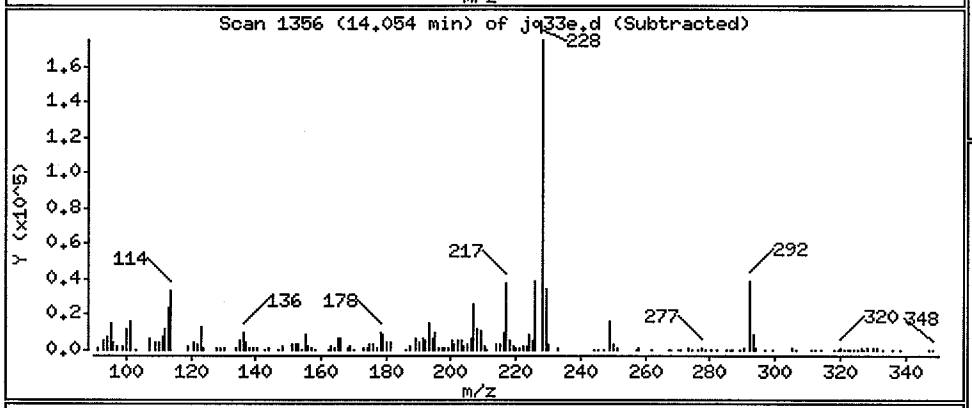
Column phase: ZB-5

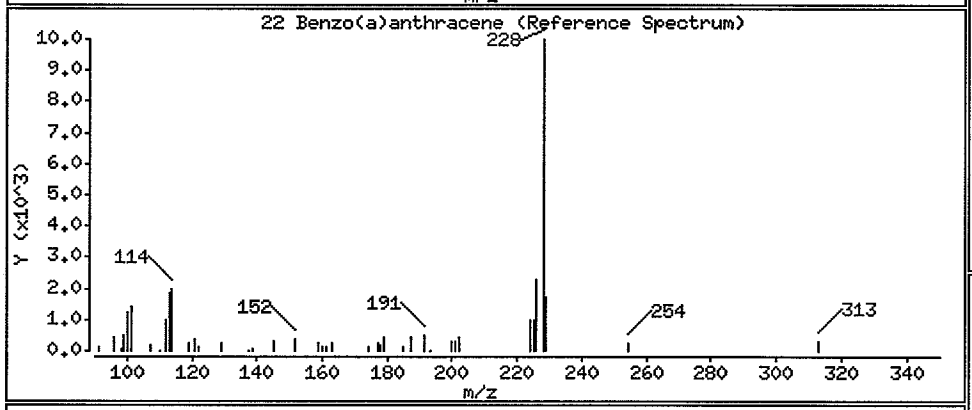
Column diameter: 0.25

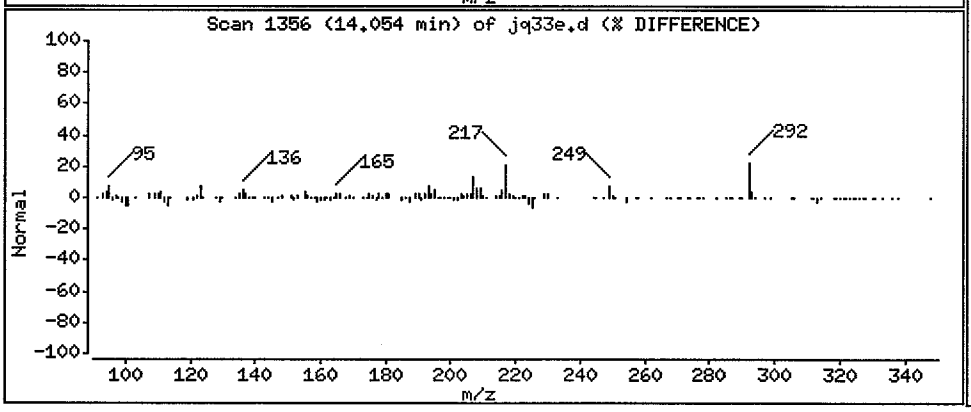
22 Benzo(a)anthracene

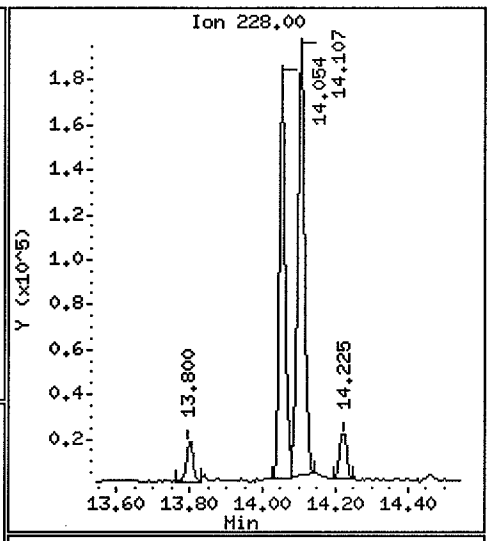
Concentration: 85.21 ug/kg

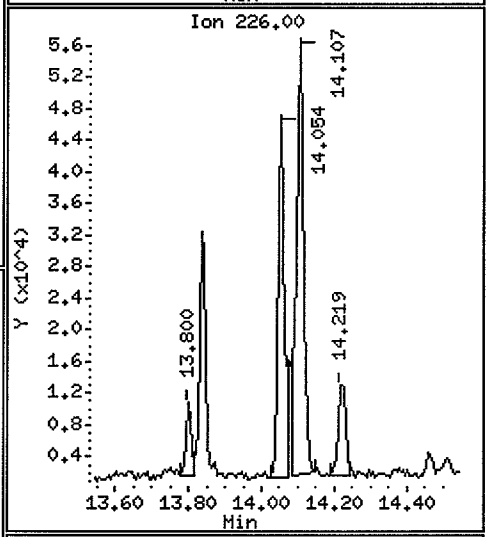


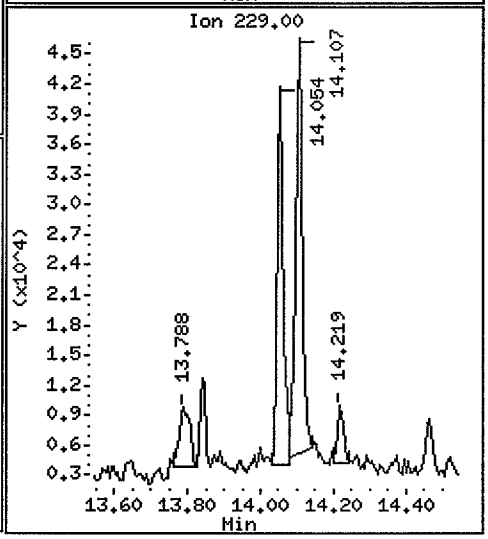












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

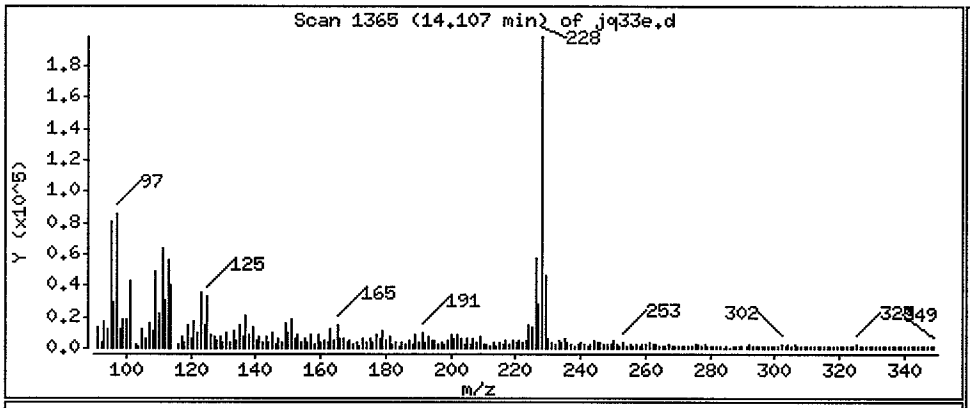
Operator: VTS

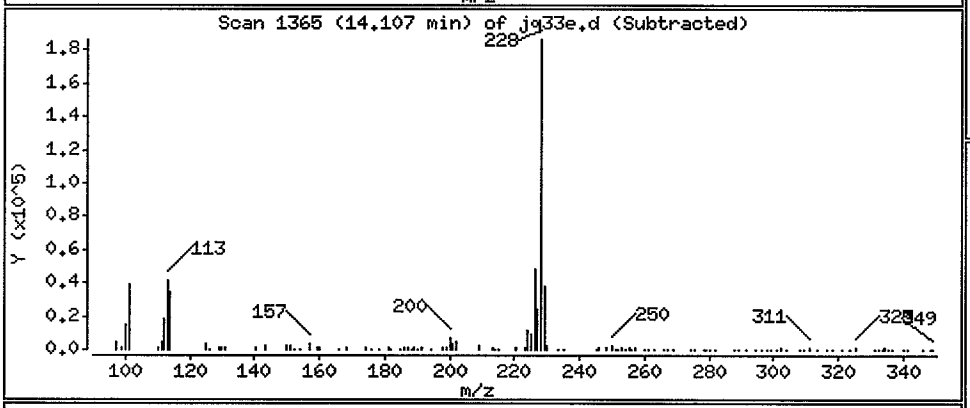
Column phase: ZB-5

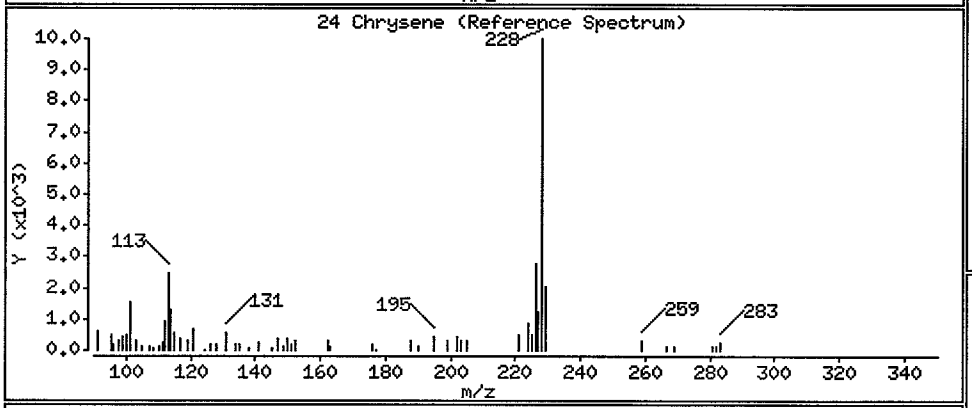
Column diameter: 0.25

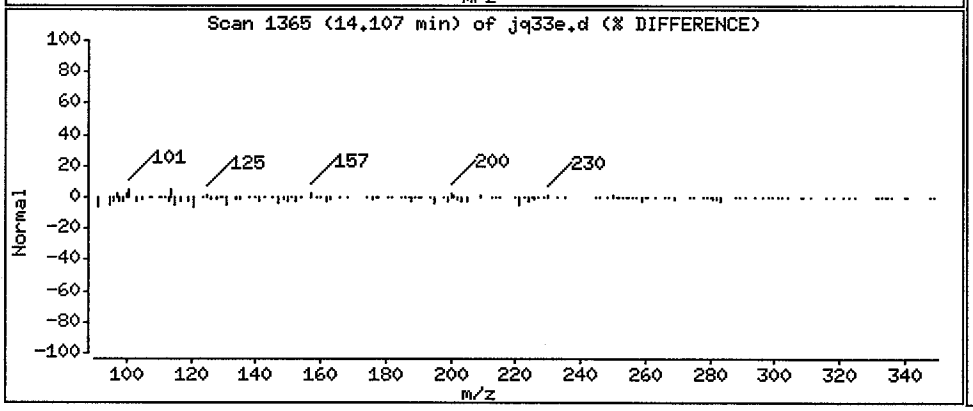
24 Chrysene

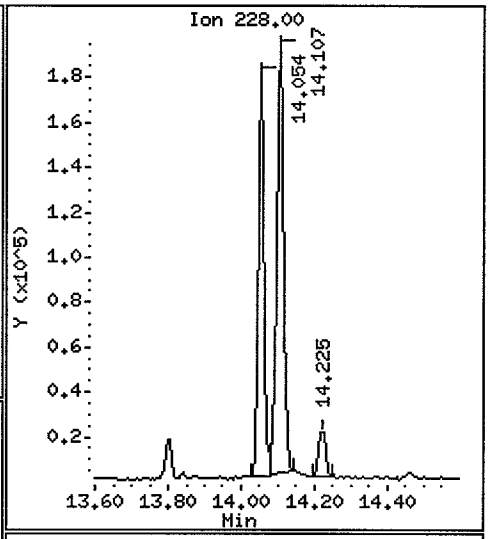
Concentration: 116.3 ug/kg

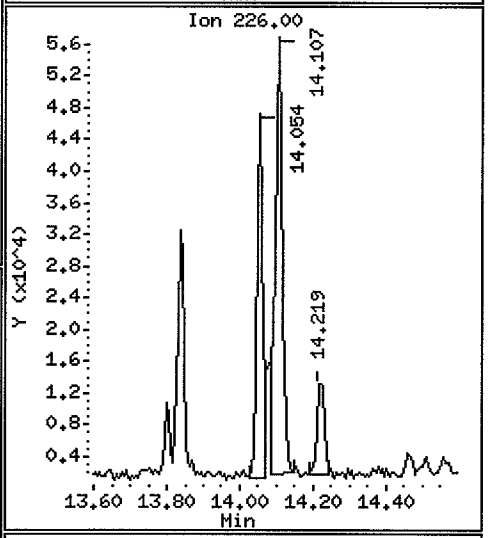


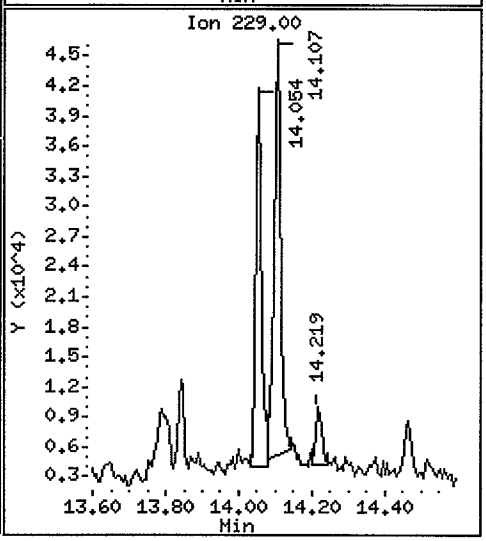












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

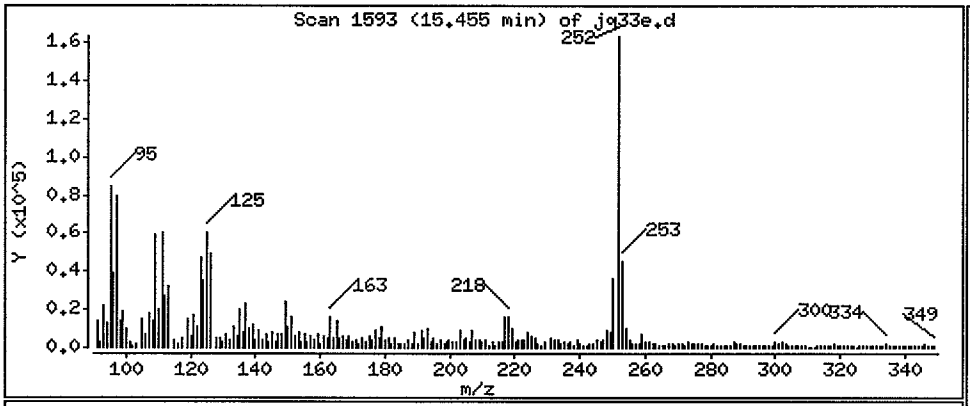
Operator: VTS

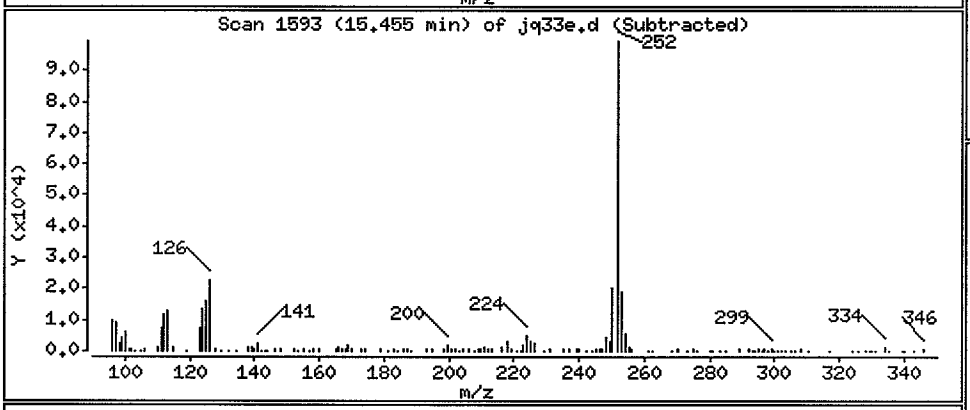
Column phase: ZB-5

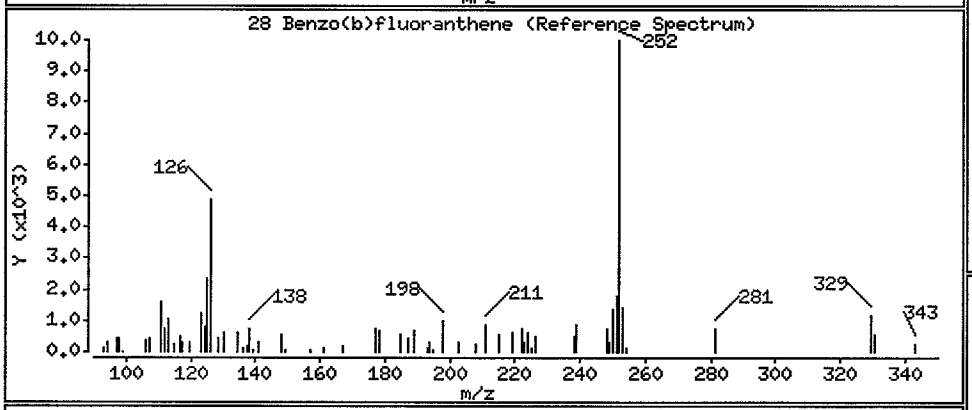
Column diameter: 0.25

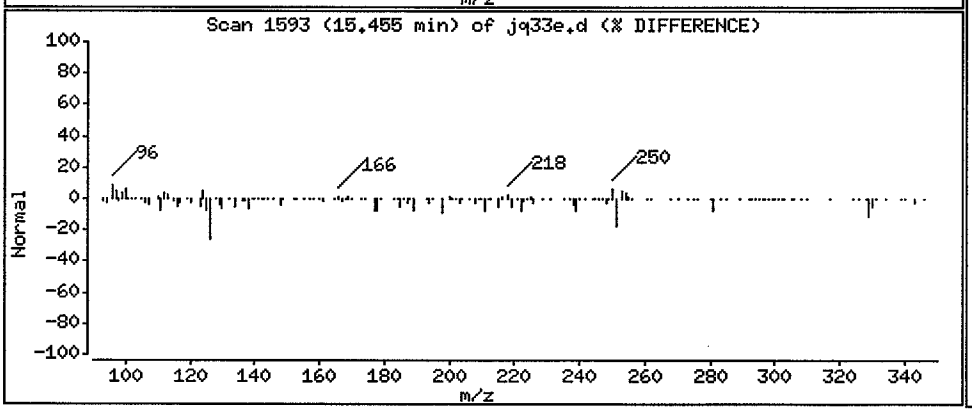
28 Benzo(b)fluoranthene

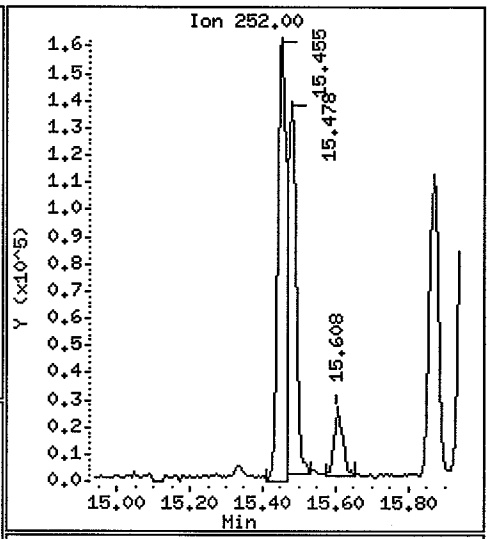
Concentration: 112.9 ug/kg

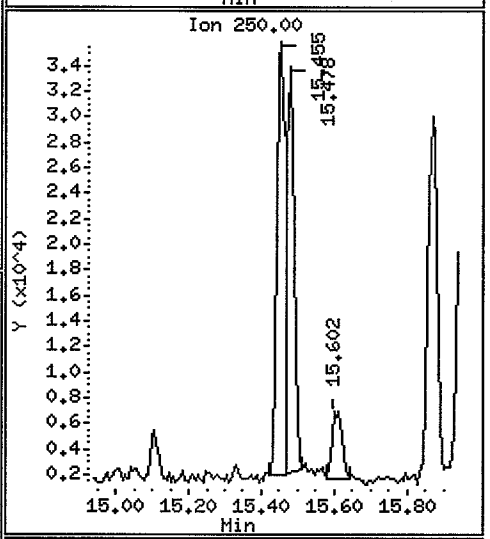


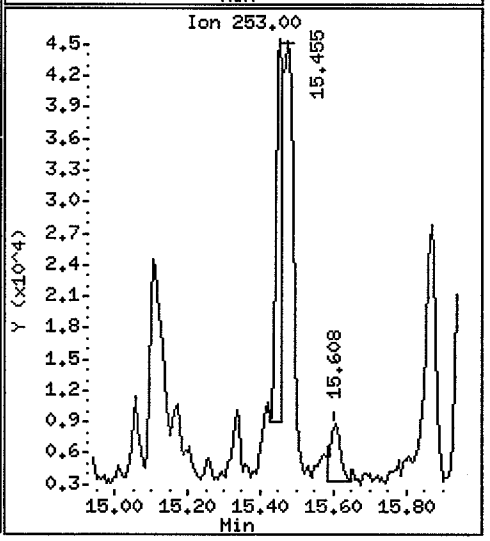












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

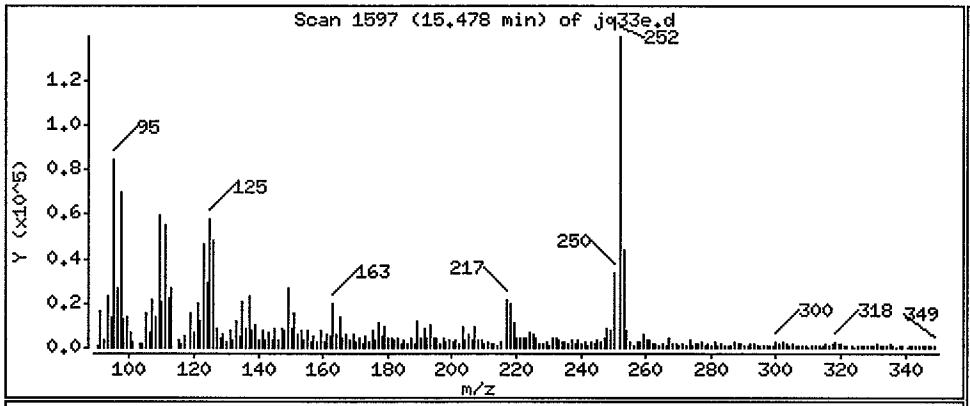
Operator: VTS

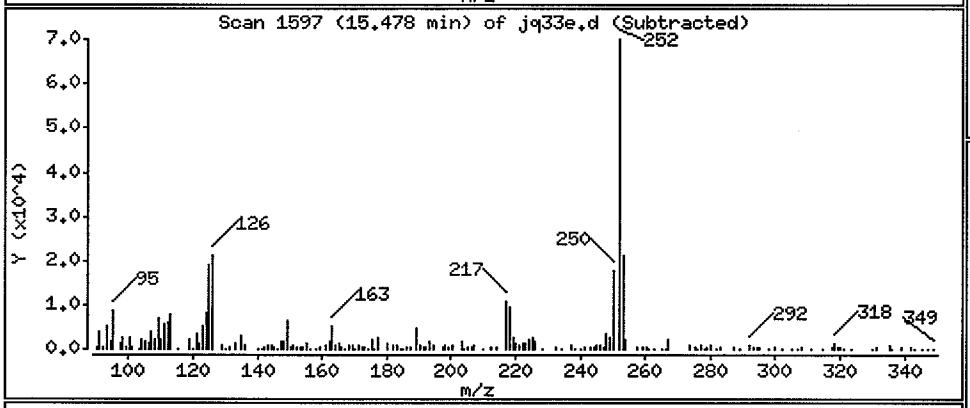
Column phase: ZB-5

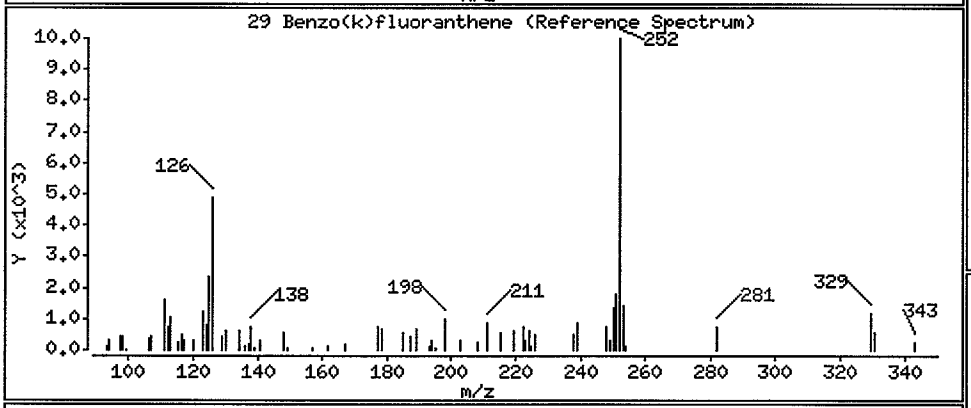
Column diameter: 0.25

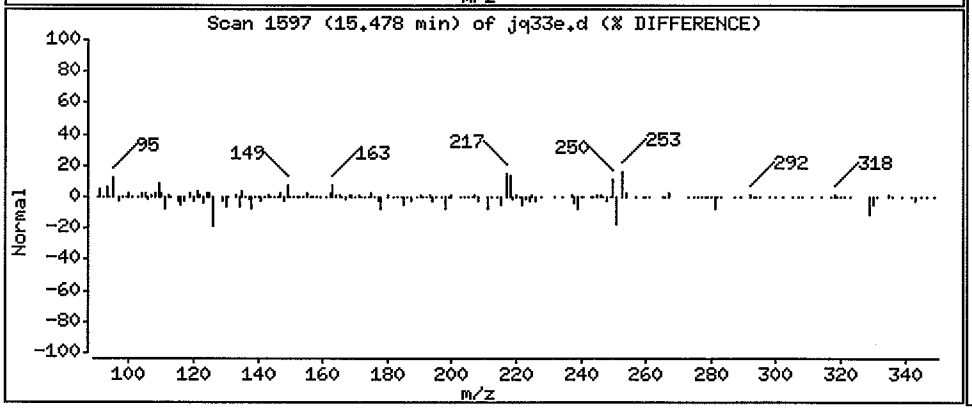
29 Benzo(k)fluoranthene

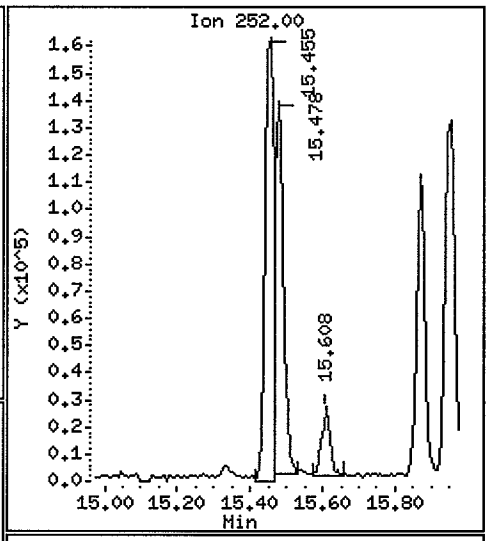
Concentration: 95.23 ug/kg

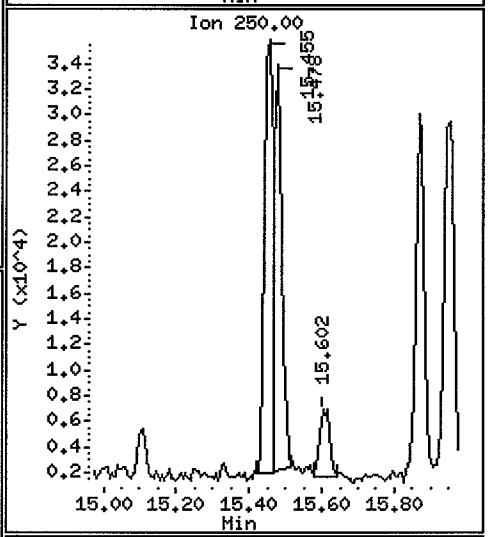


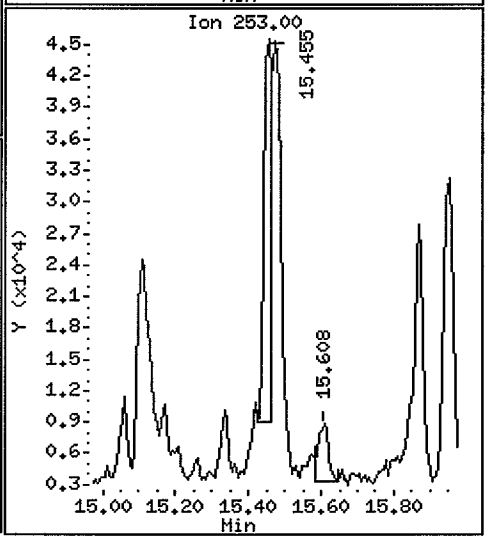












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

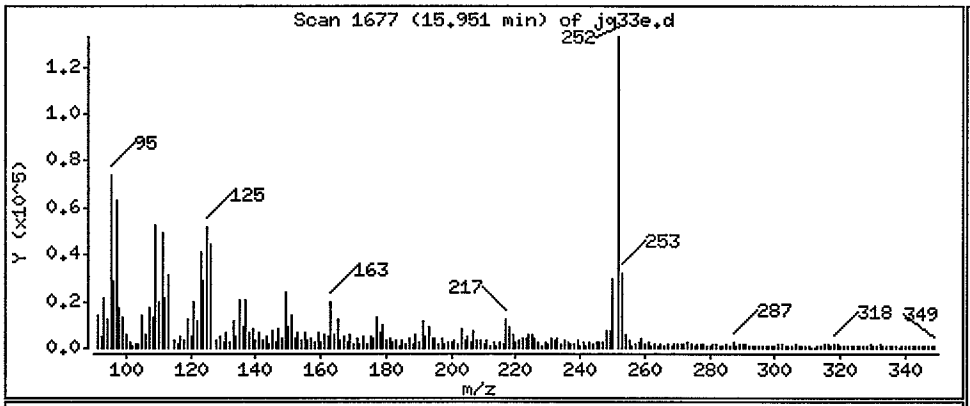
Operator: VTS

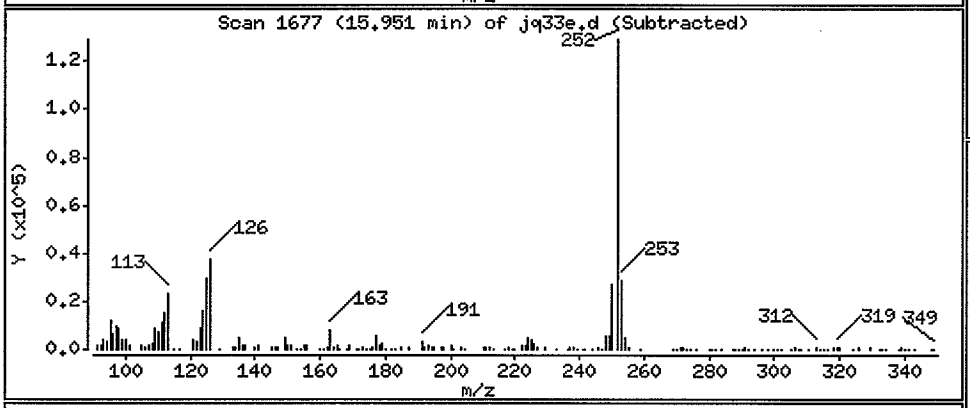
Column phase: ZB-5

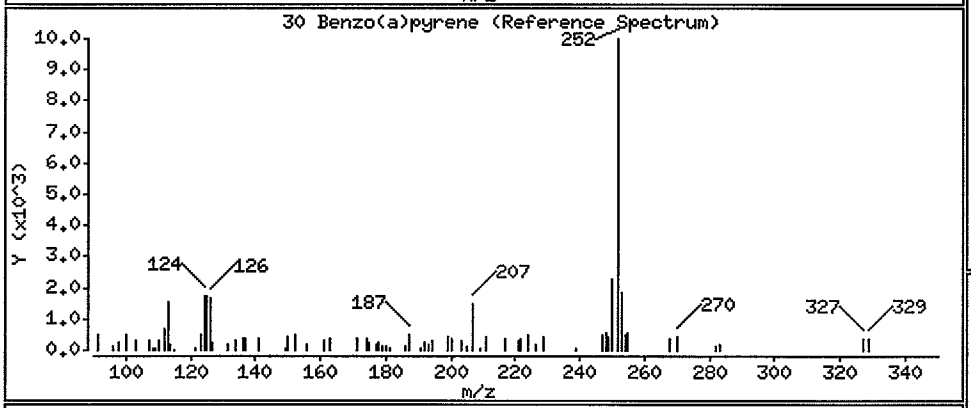
Column diameter: 0.25

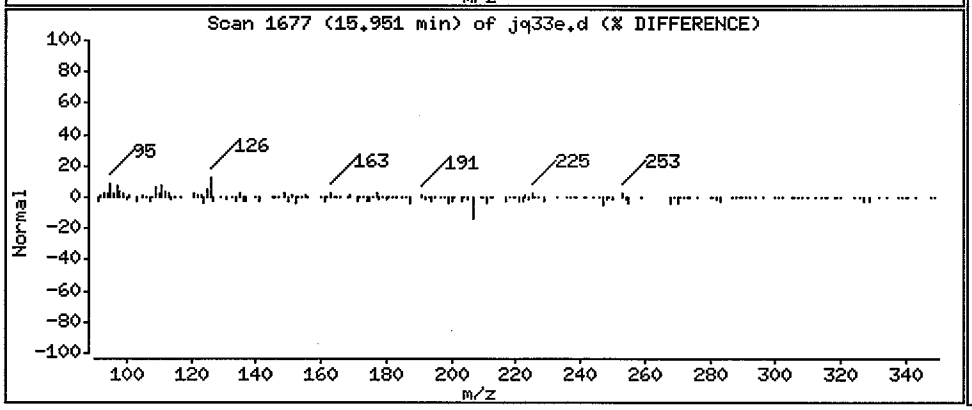
30 Benzo(a)pyrene

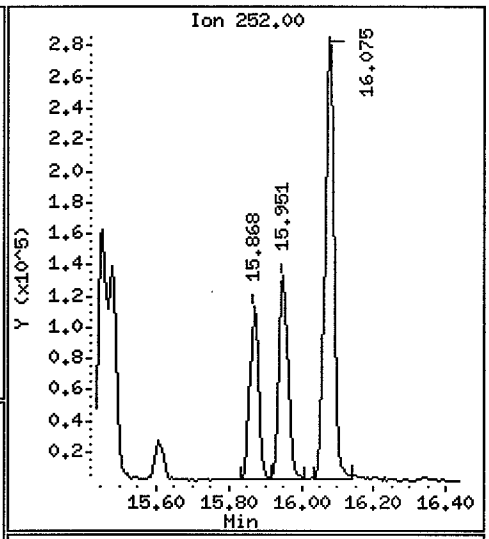
Concentration: 100.3 ug/kg

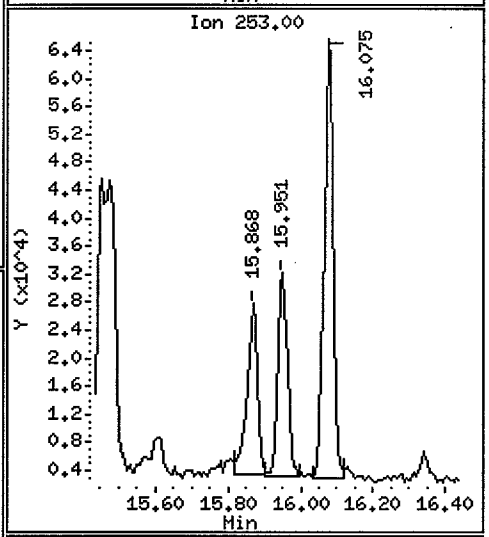


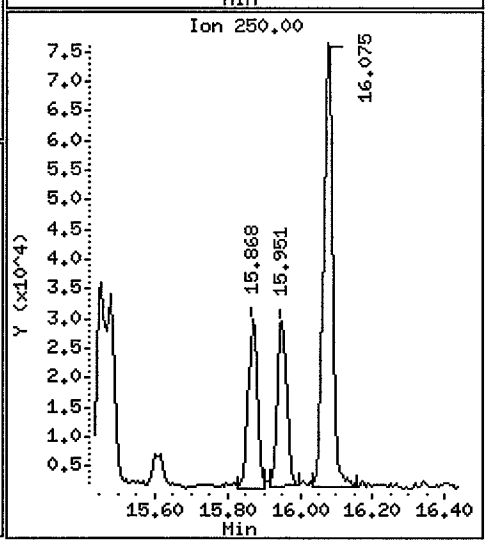












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

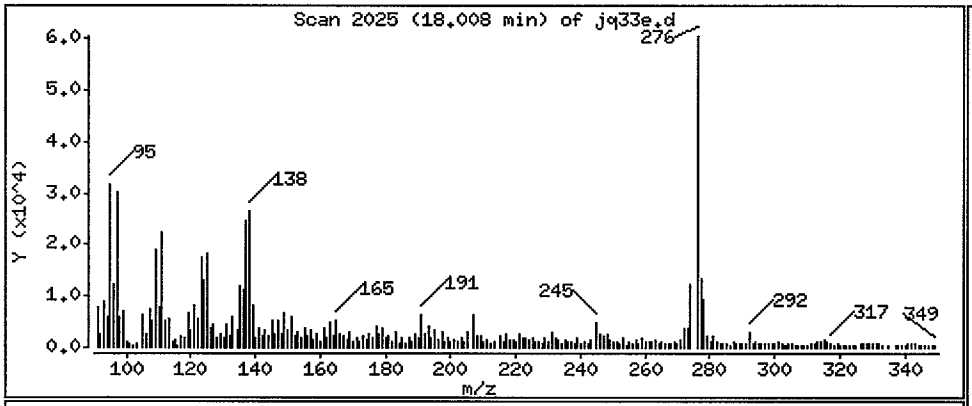
Operator: VTS

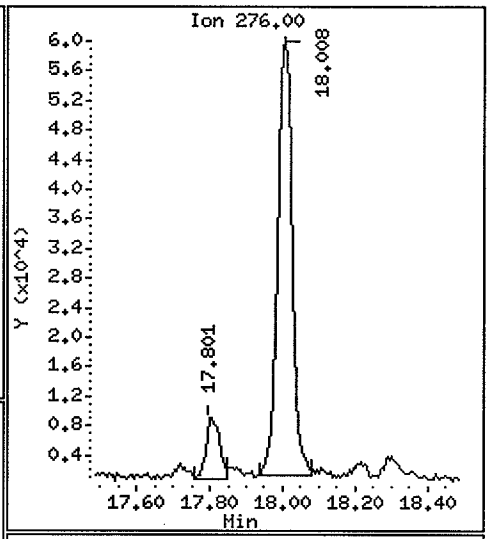
Column phase: ZB-5

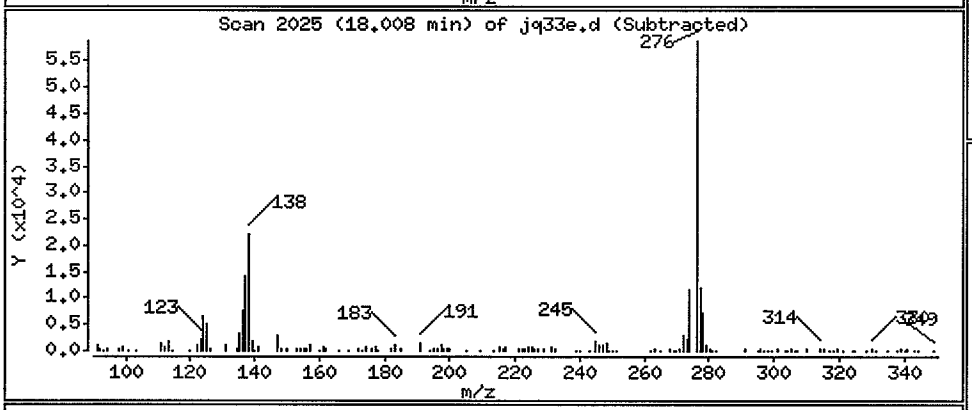
Column diameter: 0.25

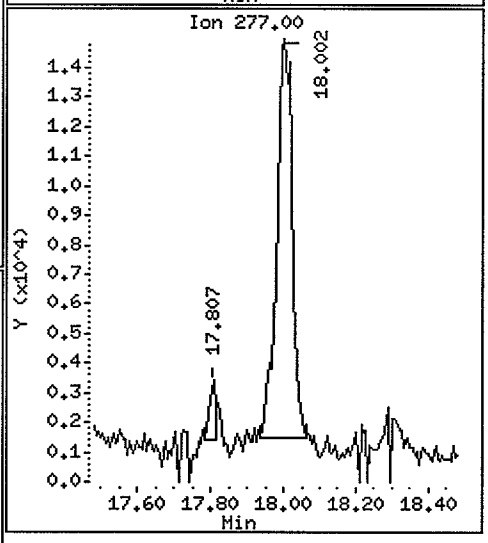
33 Indeno(1,2,3-cd)pyrene

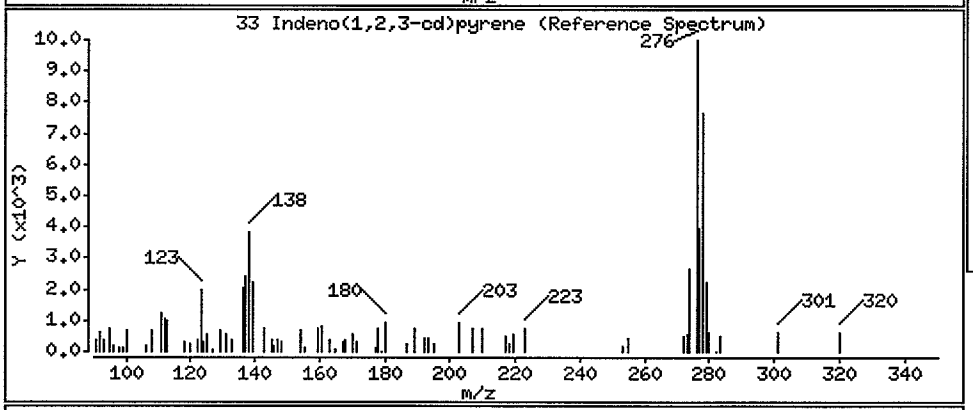
Concentration: 61.76 ug/kg

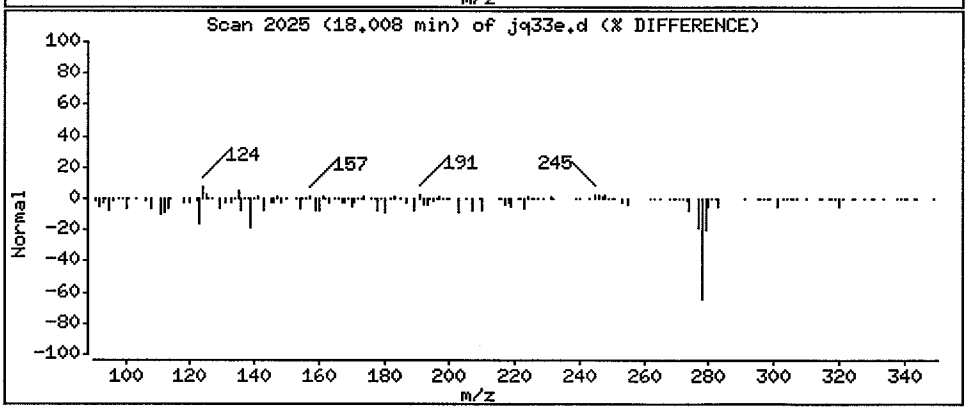












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

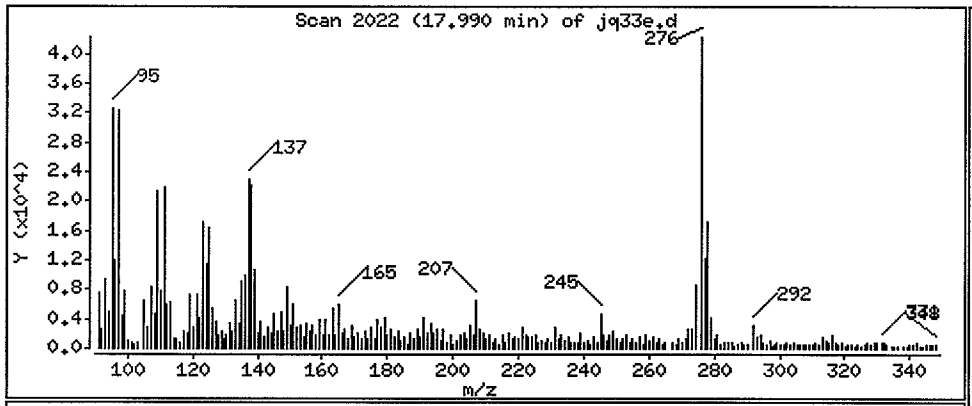
Operator: VTS

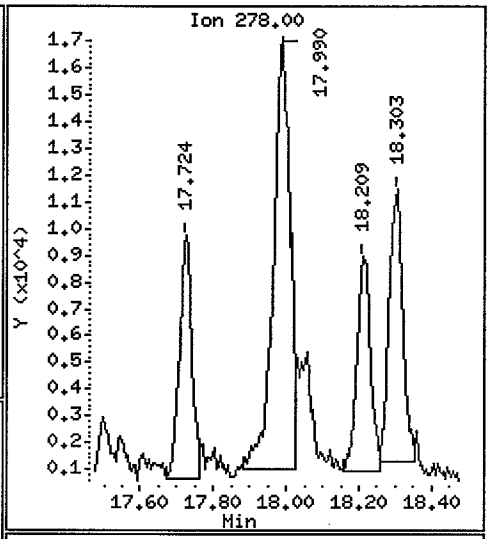
Column phase: ZB-5

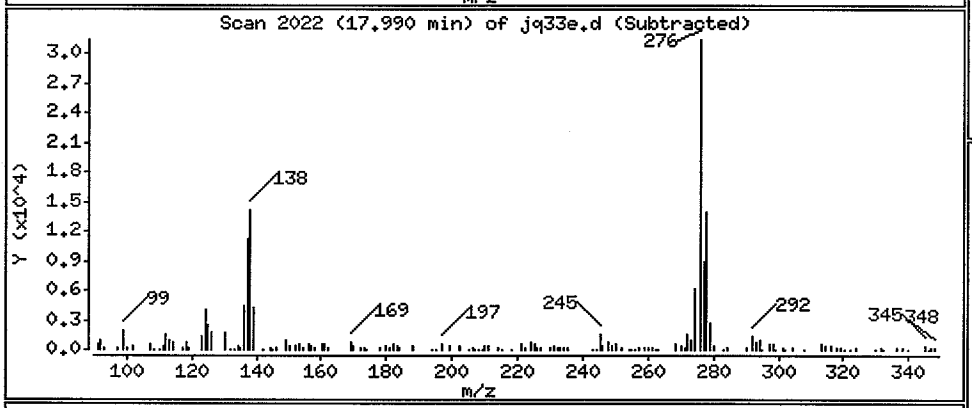
Column diameter: 0.25

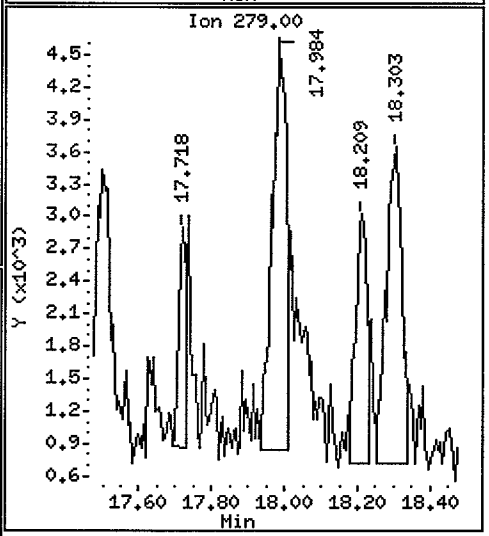
34 Dibenz(a,h)anthracene

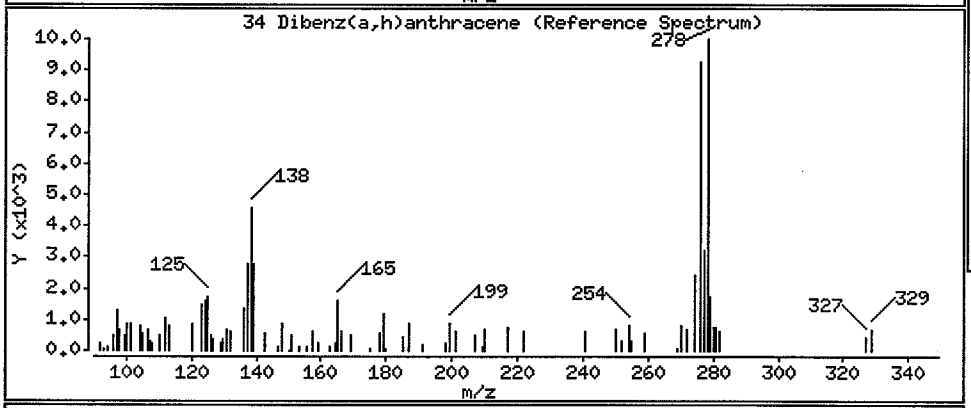
Concentration: 23.46 ug/kg

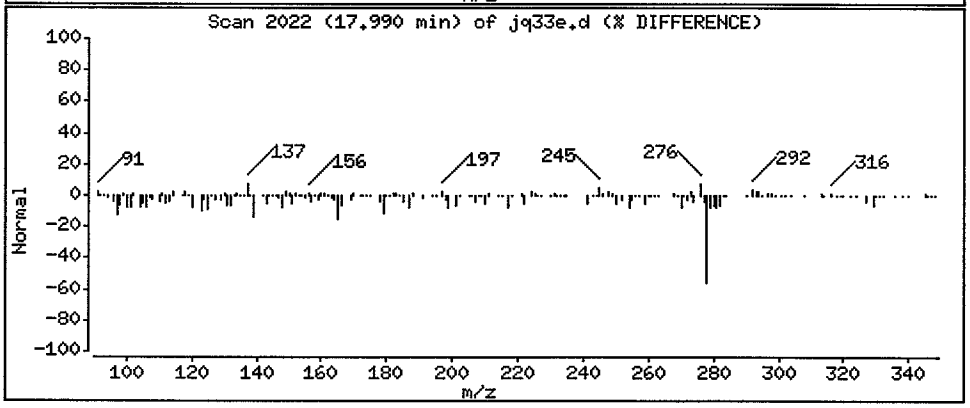












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

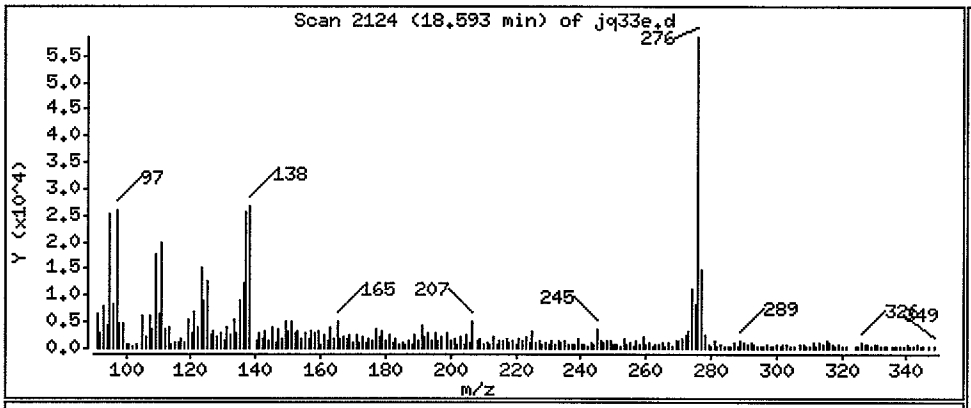
Operator: VTS

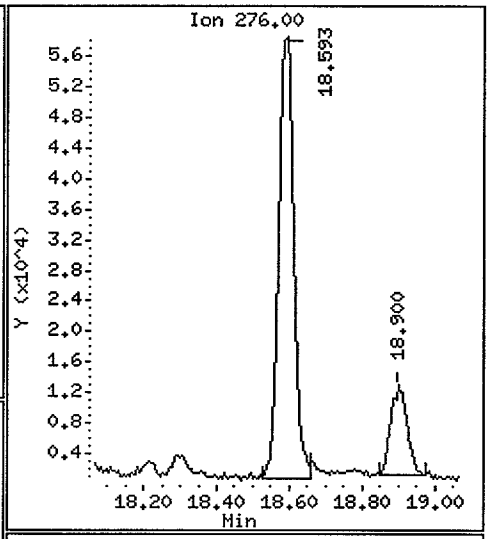
Column phase: ZB-5

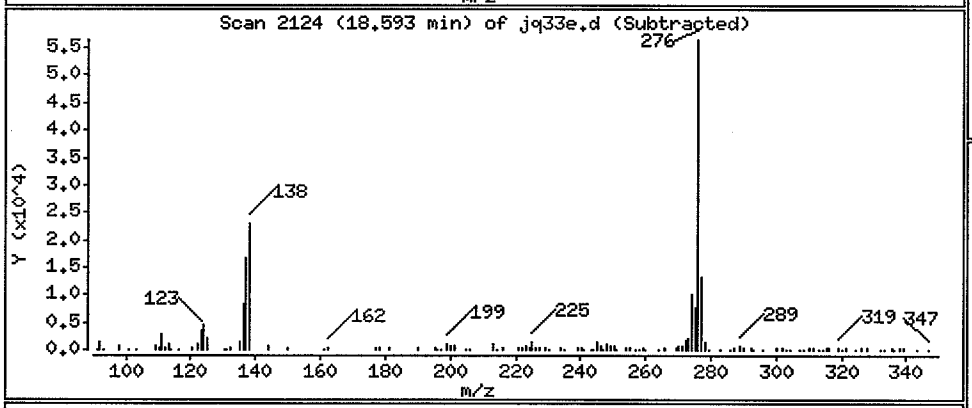
Column diameter: 0.25

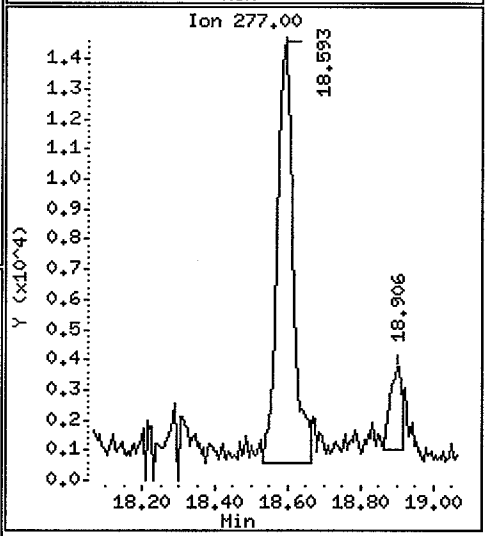
35 Benzo(g,h,i)perylene

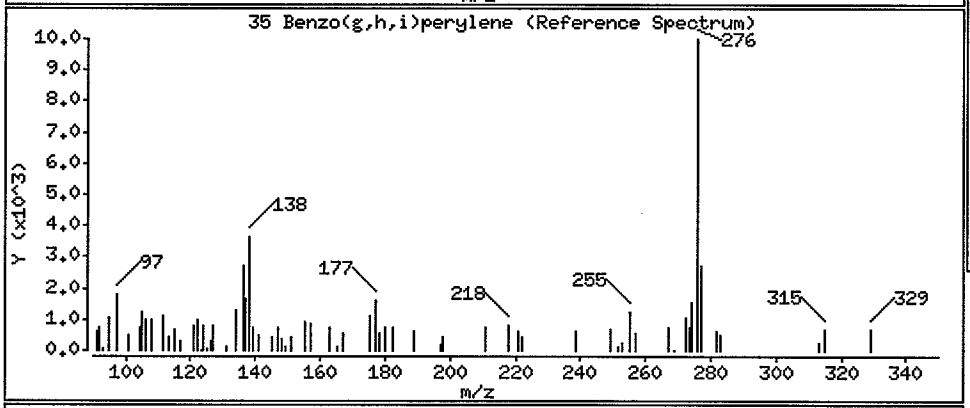
Concentration: 76.18 ug/kg

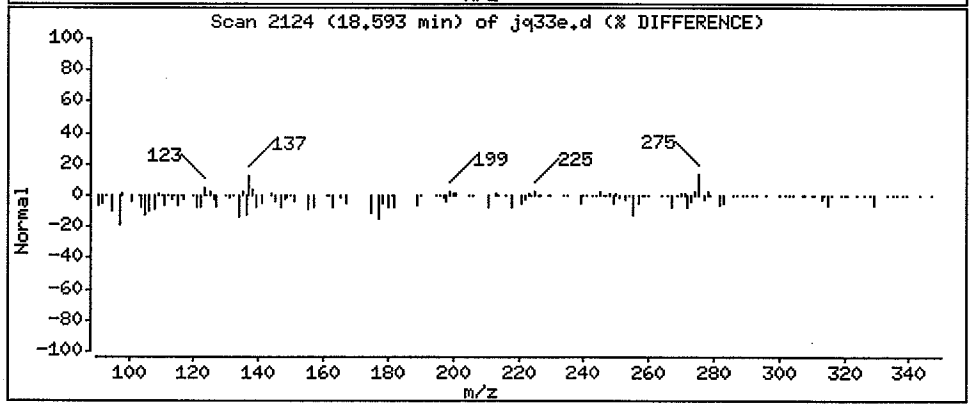












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

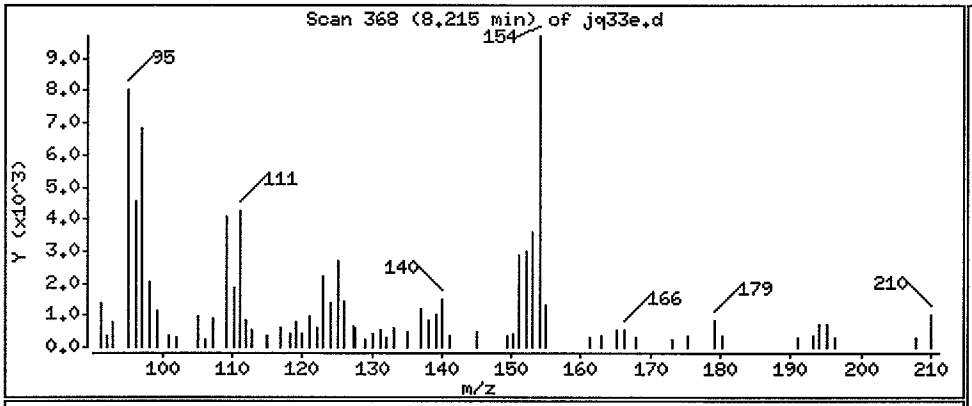
Operator: VTS

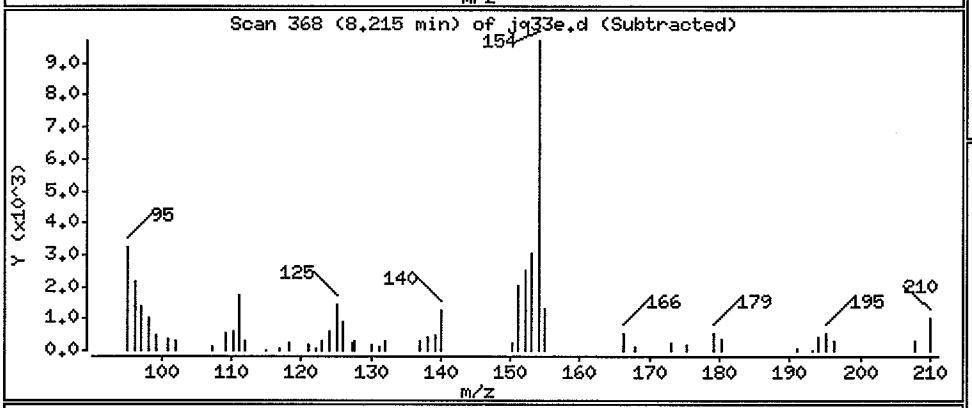
Column phase: ZB-5

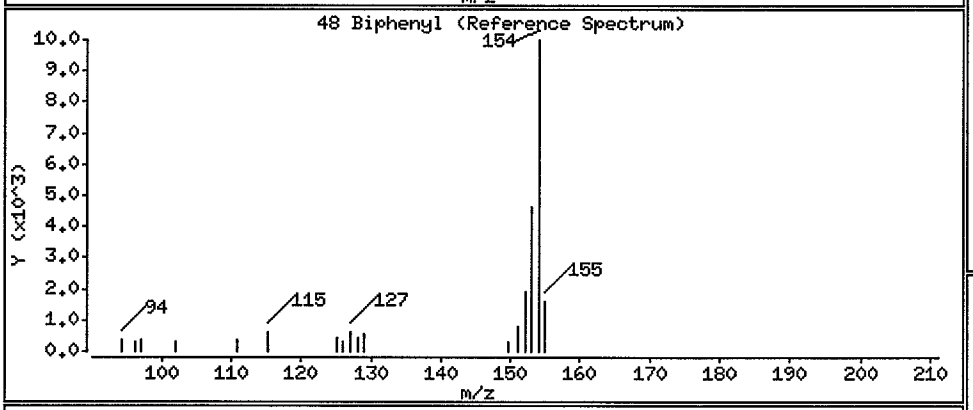
Column diameter: 0.25

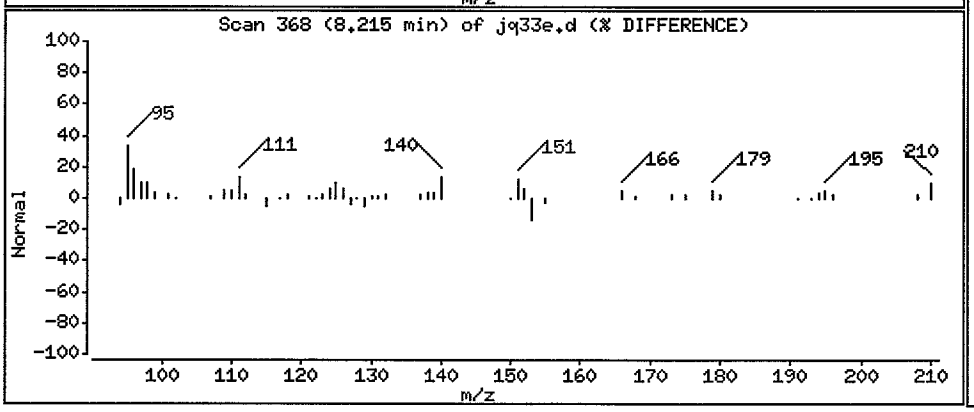
48 Biphenyl

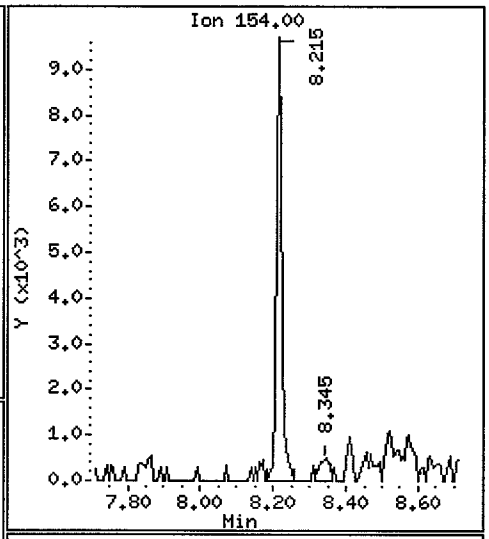
Concentration: 6.495 ug/kg

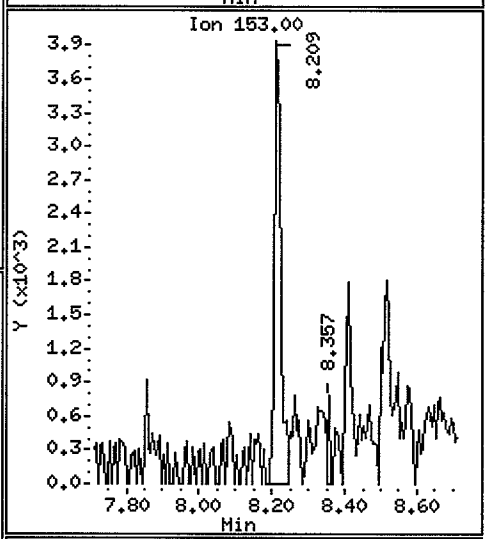


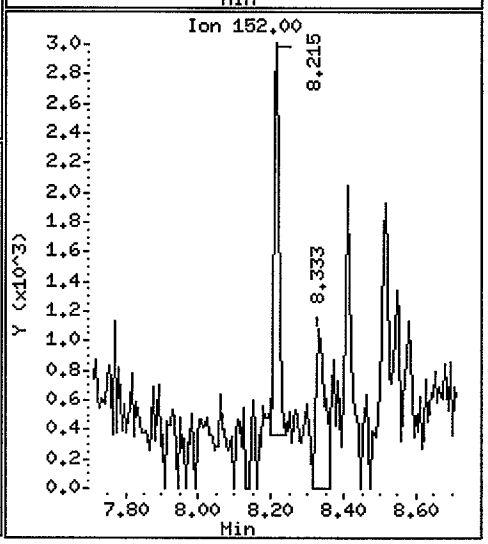












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

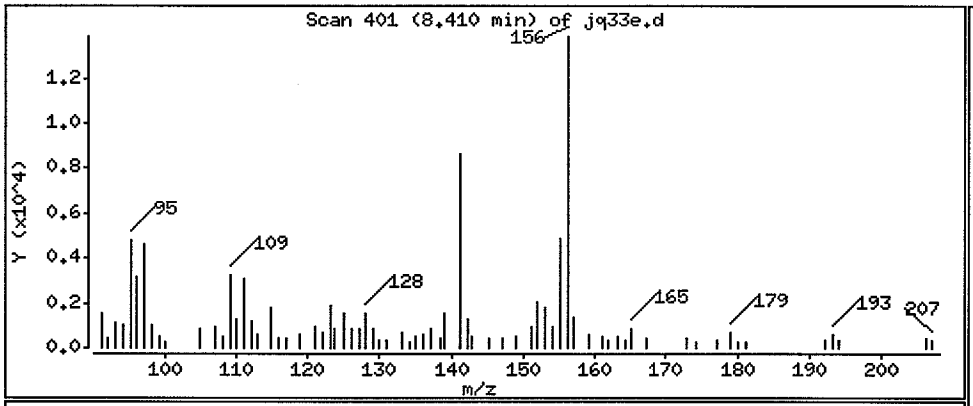
Operator: VTS

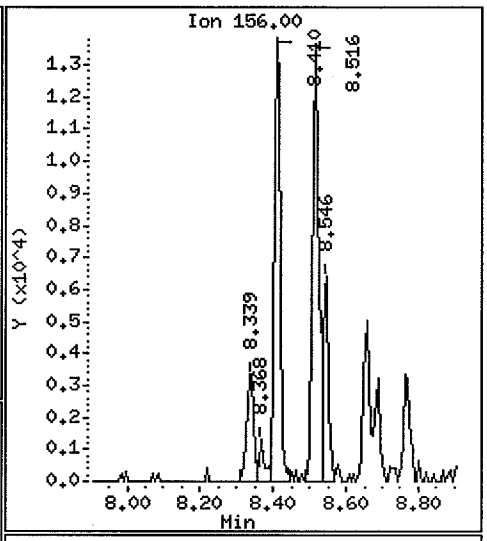
Column phase: ZB-5

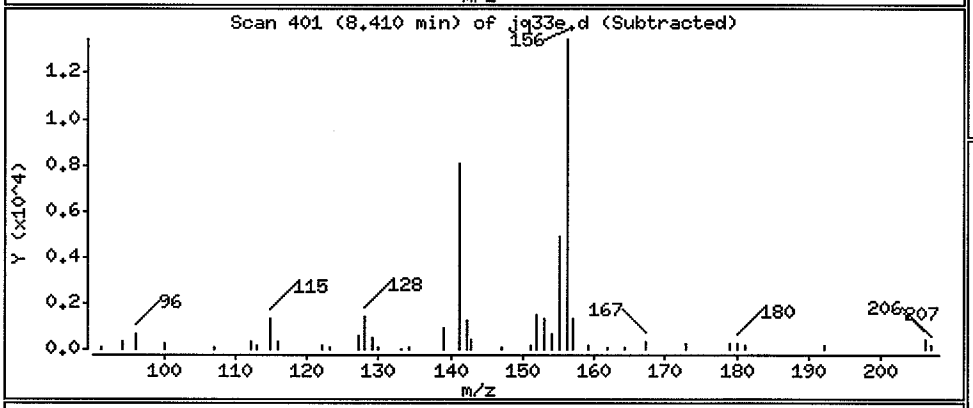
Column diameter: 0.25

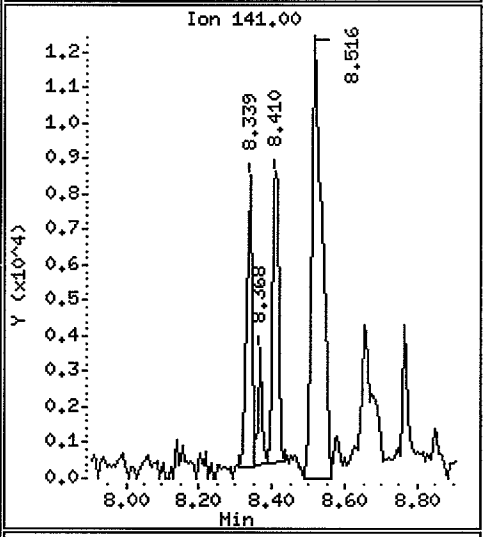
49 2,6-Dimethylnaphthalene

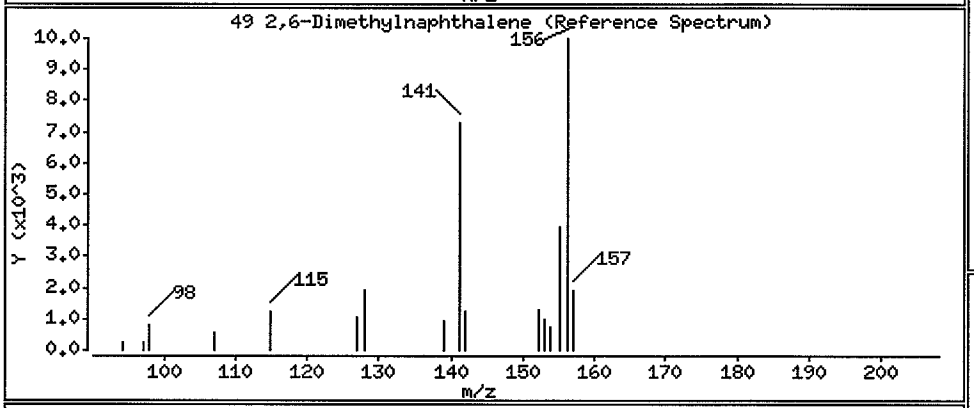
Concentration: 12.94 ug/kg

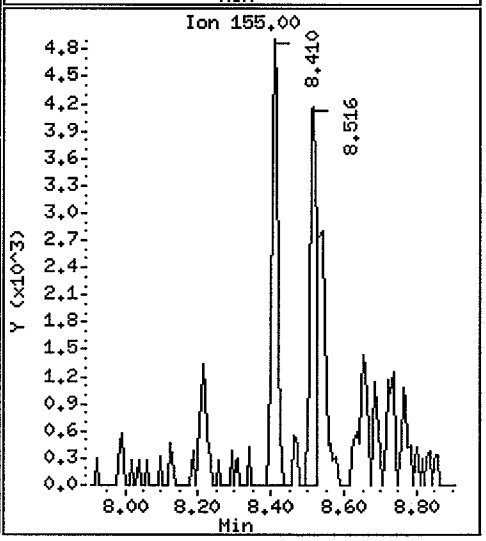


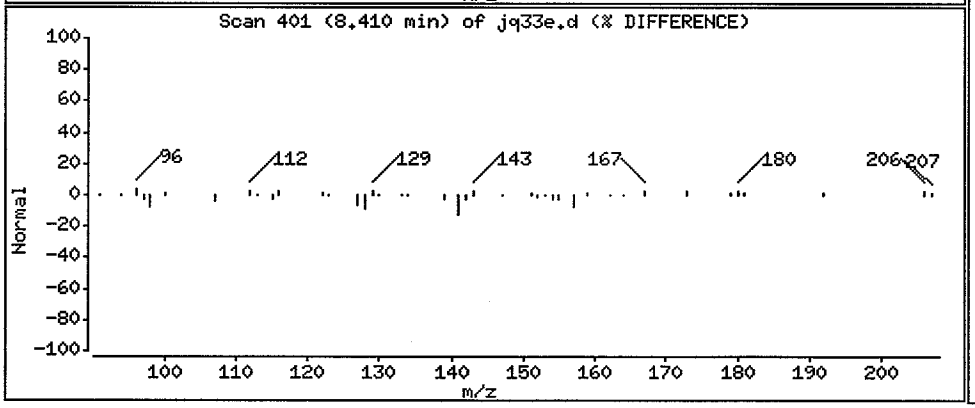












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

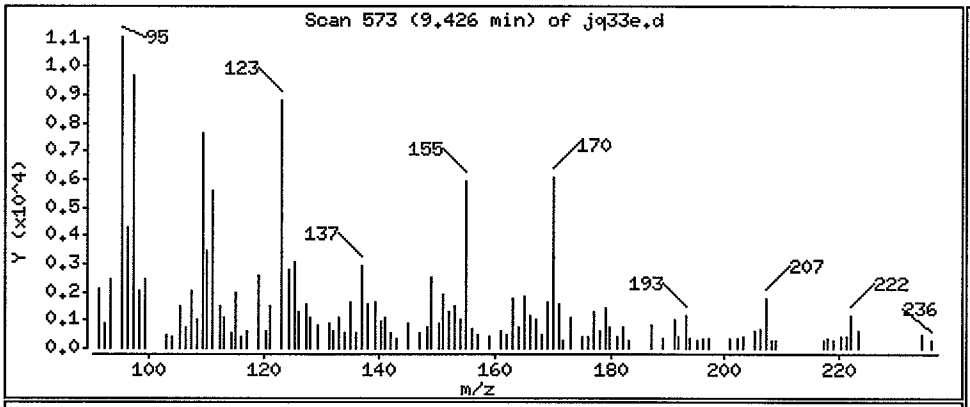
Operator: VTS

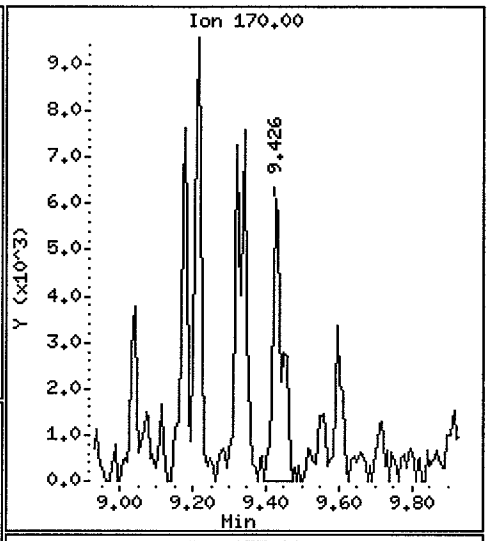
Column phase: ZB-5

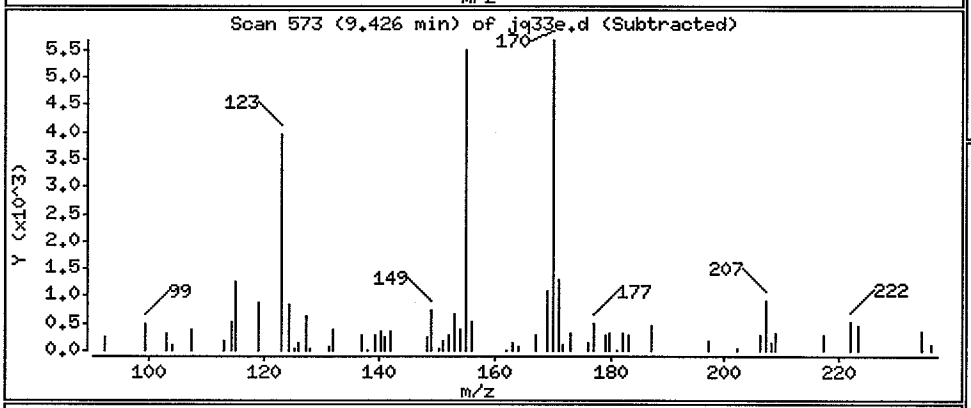
Column diameter: 0.25

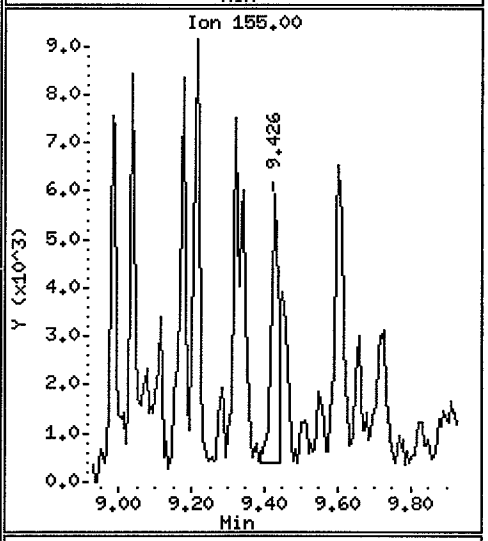
50 2,3,5-Trimethylnaphthalene

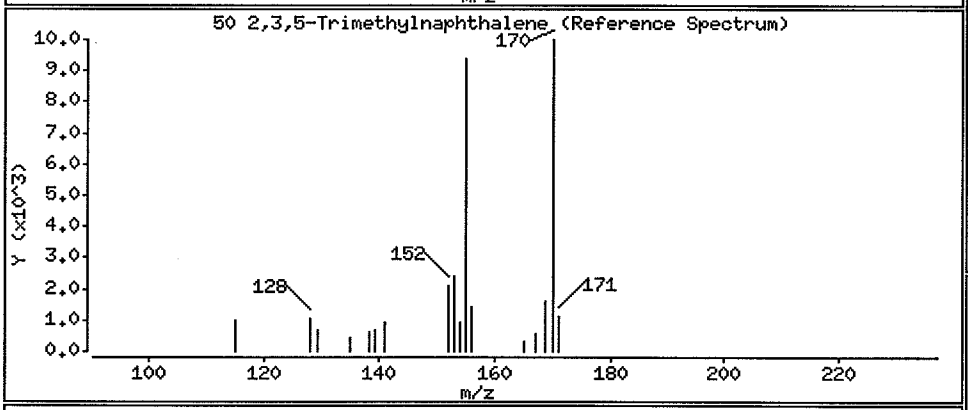
Concentration: 10.42 ug/kg

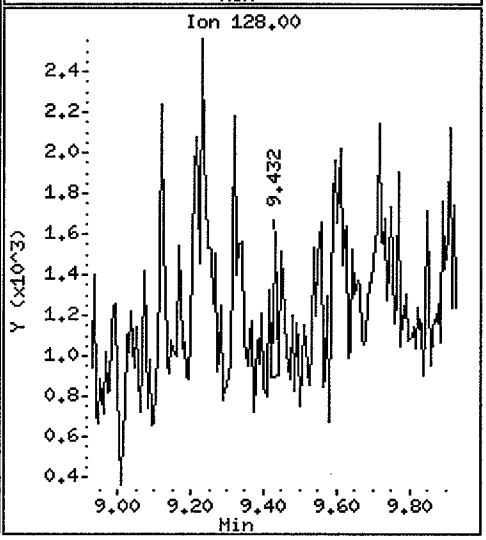


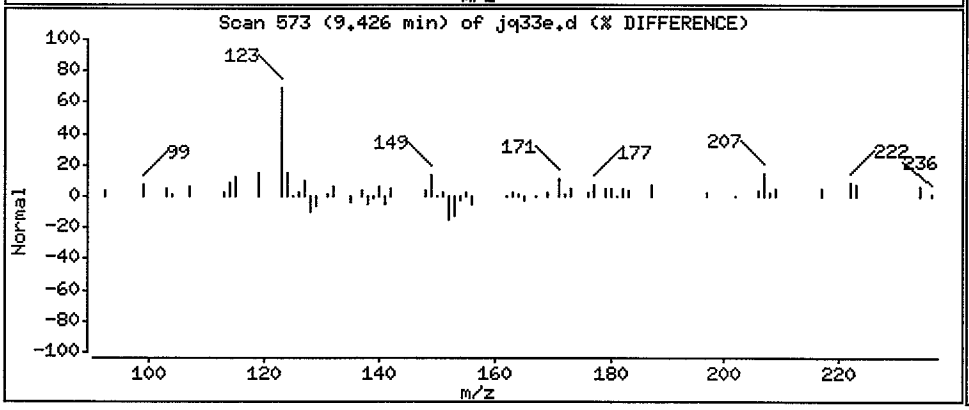












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

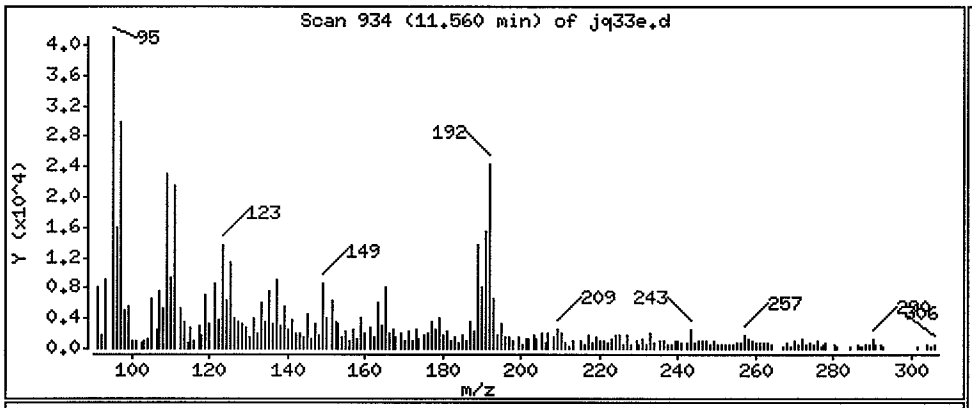
Operator: VTS

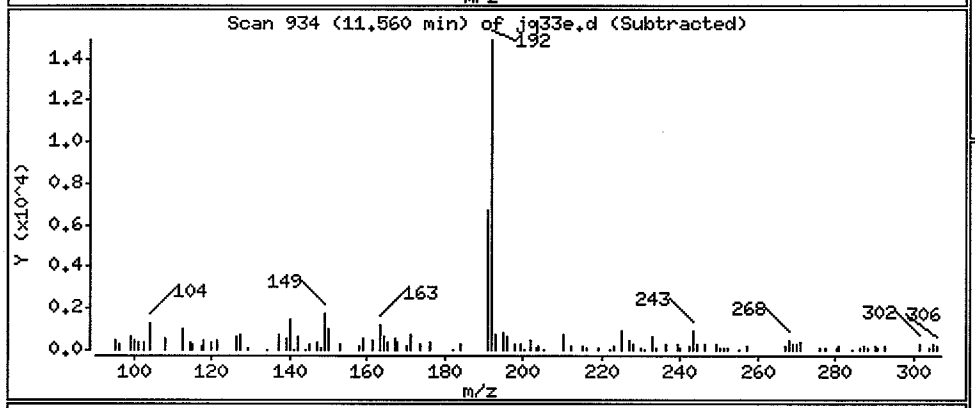
Column phase: ZB-5

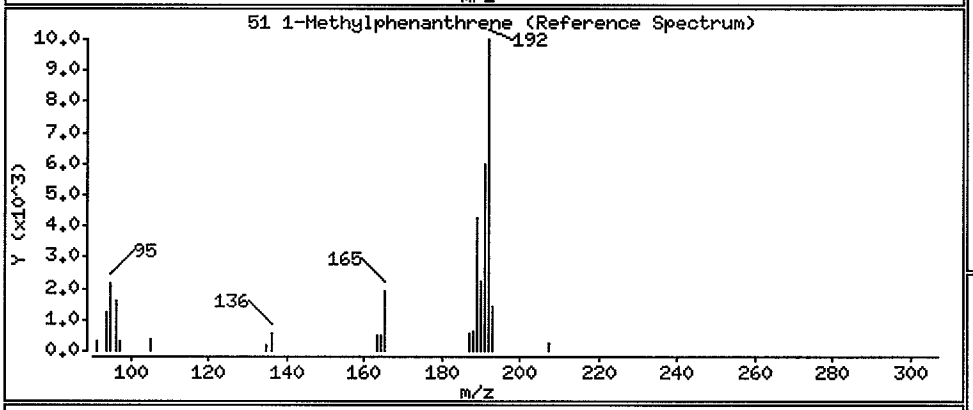
Column diameter: 0.25

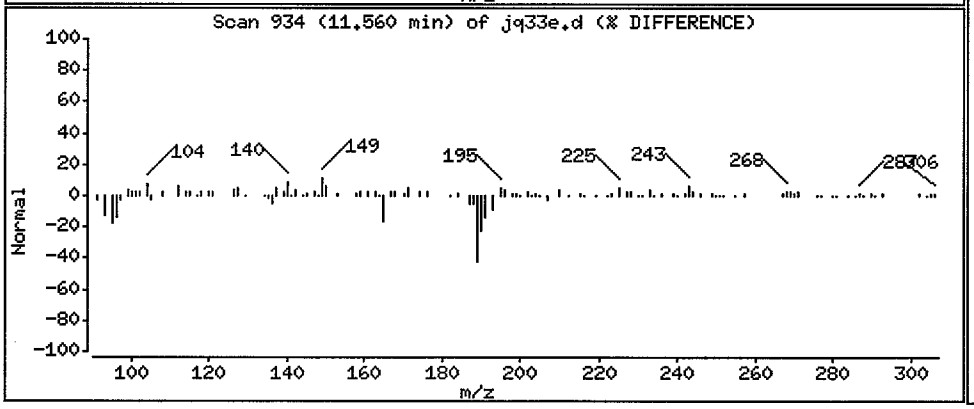
51 1-Methylphenanthrene

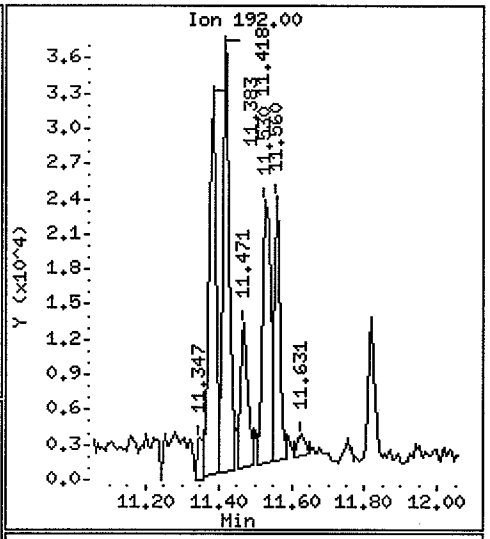
Concentration: 16.79 ug/kg

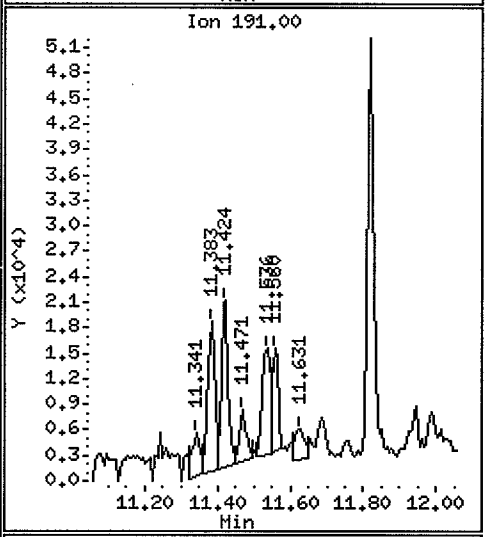


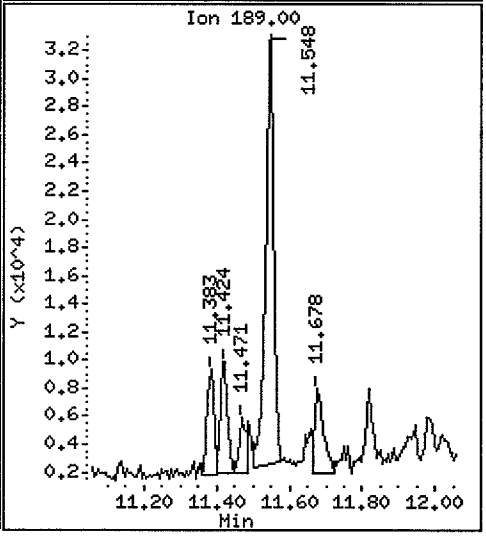












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

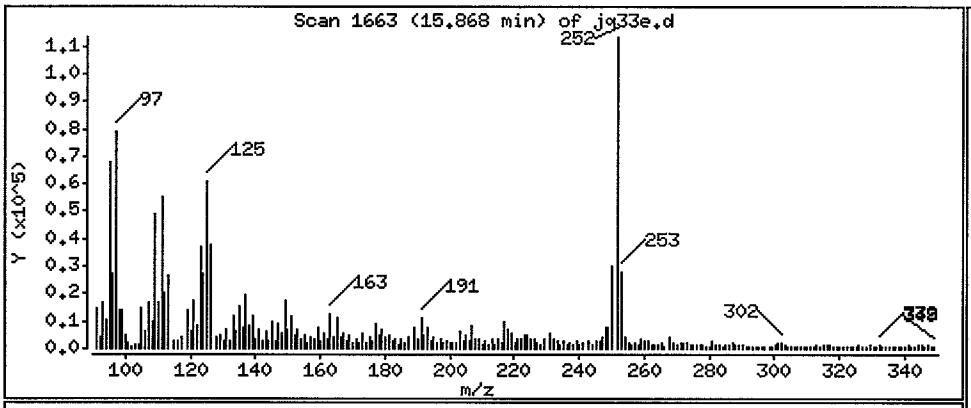
Operator: VTS

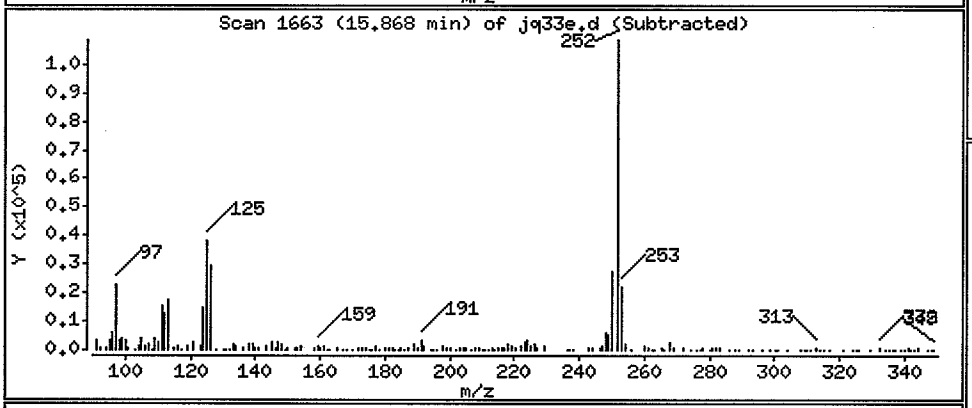
Column phase: ZB-5

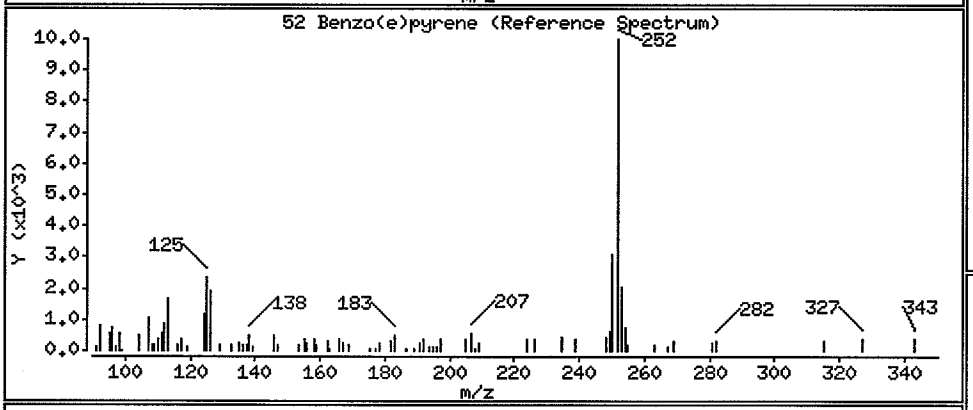
Column diameter: 0.25

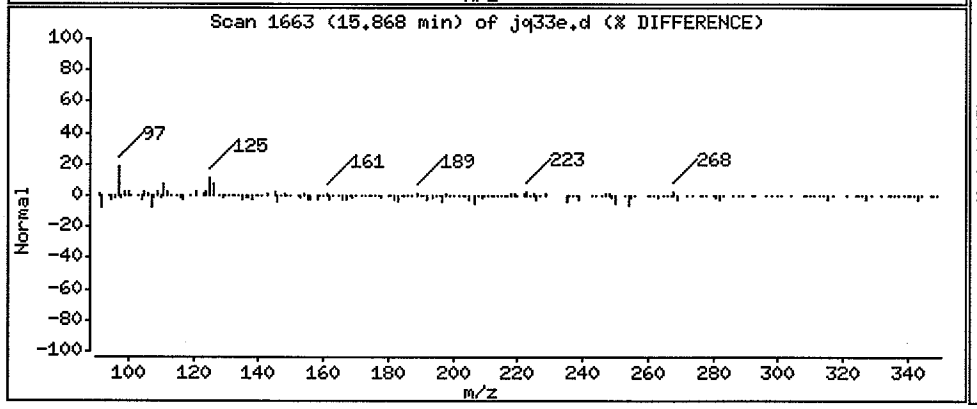
52 Benzo(e)pyrene

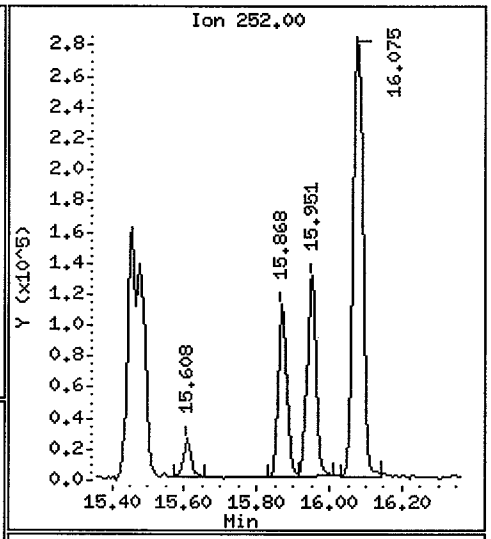
Concentration: 74.31 ug/kg

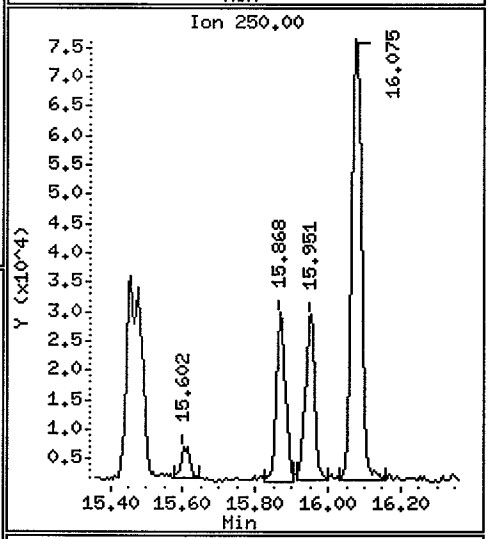


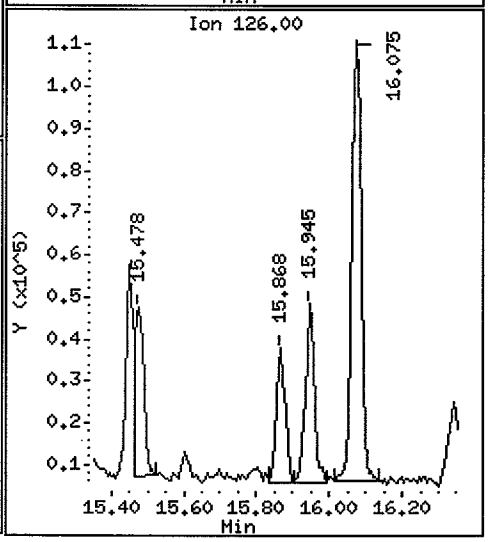












Data File: /chem3/nt1.i/20060808.b/jq33e.d

Date : 08-AUG-2006 11:32

Client ID: T4-B414-02-B

Instrument: nt1.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

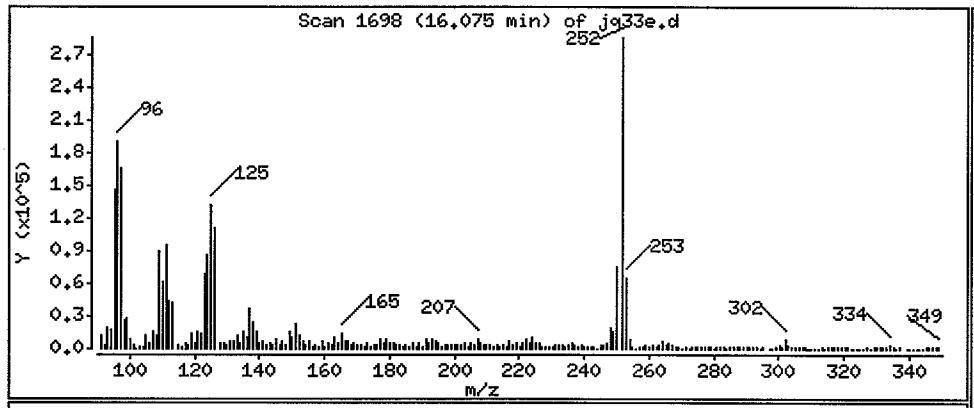
Operator: VTS

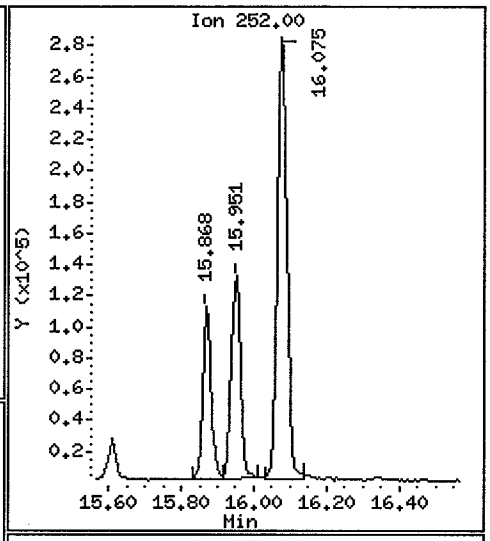
Column phase: ZB-5

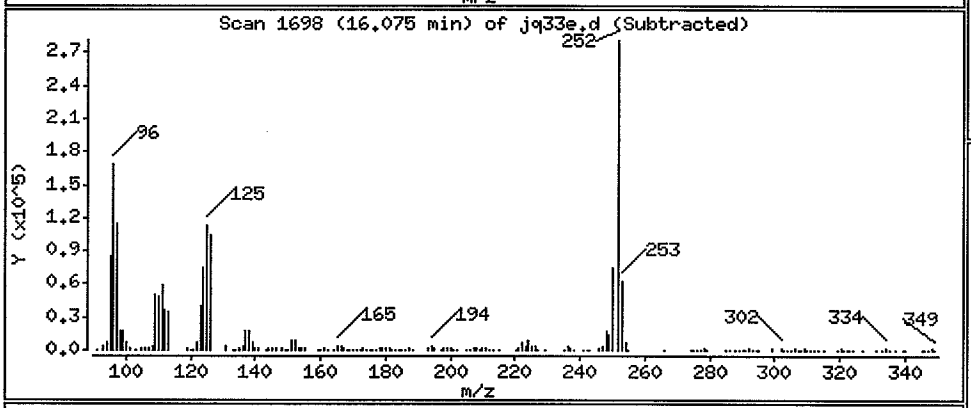
Column diameter: 0.25

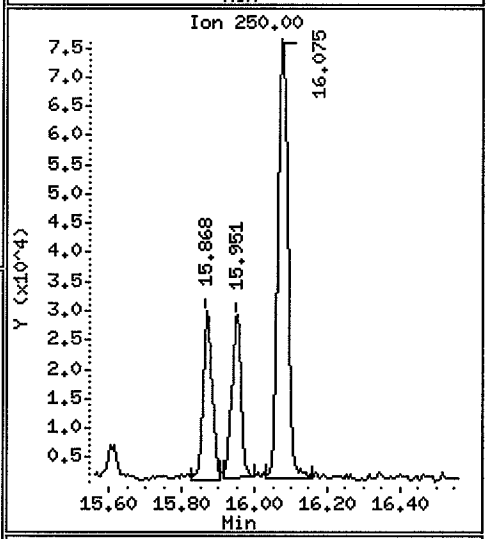
53 Perylene

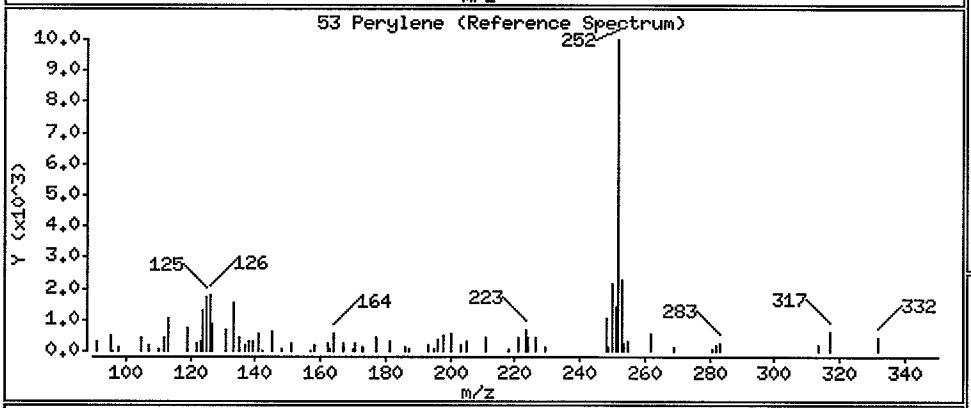
Concentration: 218.1 ug/kg

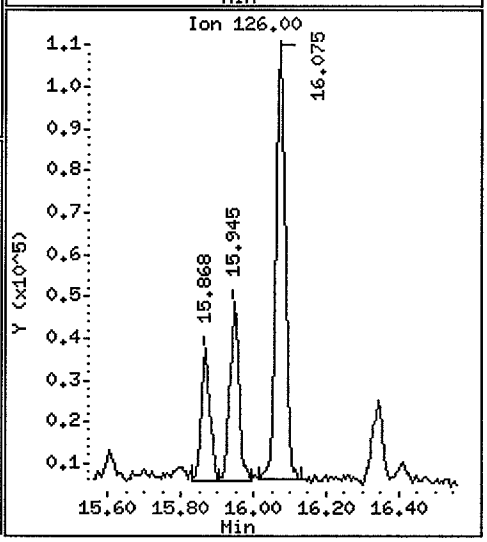


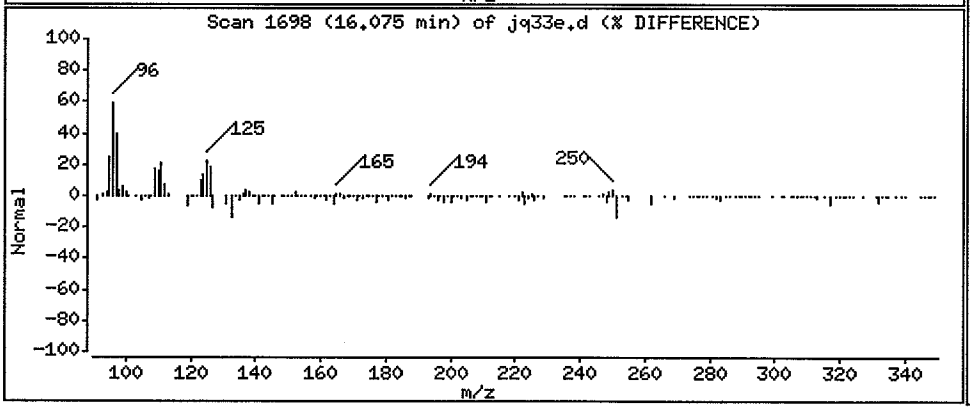












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-02-C
SAMPLE

Lab Sample ID: JQ33F
LIMS ID: 06-12928
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 17:26
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 48.2%
pH: 7.0

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	**50**	**40**	**J**
91-57-6	2-Methylnaphthalene	50	< 50	U
90-12-0	1-Methylnaphthalene	50	< 50	U
208-96-8	Acenaphthylene	50	< 50	U
83-32-9	**Acenaphthene**	**50**	**99**	
86-73-7	**Fluorene**	**50**	**64**	
85-01-8	**Phenanthrene**	**50**	**440**	**B**
120-12-7	**Anthracene**	**50**	**79**	
206-44-0	**Fluoranthene**	**50**	**940**	
129-00-0	**Pyrene**	**50**	**760**	
56-55-3	**Benzo(a)anthracene**	**50**	**470**	
218-01-9	**Chrysene**	**50**	**630**	
205-99-2	**Benzo(b)fluoranthene**	**50**	**710**	
207-08-9	**Benzo(k)fluoranthene**	**50**	**590**	
50-32-8	**Benzo(a)pyrene**	**50**	**630**	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**50**	**330**	
53-70-3	**Dibenz(a,h)anthracene**	**50**	**110**	
191-24-2	**Benzo(g,h,i)perylene**	**50**	**350**	
198-55-0	**Perylene**	**50**	**410**	
92-52-4	**Biphenyl**	**50**	**150**	
581-42-0	2,6-Dimethylnaphthalene	50	< 50	U
832-69-9	**1-Methylphenanthrene**	**50**	**54**	
192-97-2	**Benzo(e)pyrene**	**50**	**440**	
2245-38-7	2,3,5-Trimethylnaphthalene	50	< 50	U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	68.3%
d14-Dibenzo(a,h)anthracen	59.0%

YZ 8/7/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33f10.d
Lab Smp Id: JQ33F Client Smp ID: T4-B414-02-C
Inj Date : 04-AUG-2006 17:26
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33F,10
Misc Info : 06-12928
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 18
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	19.50000	Weight of sample extracted (g)
M	48.20000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)		FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.883	6.883	(1.000)	266003	2.00000		
	2 Naphthalene	128	6.907	6.907	(1.003)	10669	0.08041	J	39.80
$	3 2-Methylnaphthalene-d10	152	7.640	7.640	(1.110)	14056	0.20516		101.6
	4 2-Methylnaphthalene	142	Compound Not Detected.						
	5 1-Methylnaphthalene	142	Compound Not Detected.						
	7 Acenaphthylene	152	Compound Not Detected.						
*	8 Acenaphthene-d10	164	8.946	8.946	(1.000)	142673	2.00000		
	9 Acenaphthene	153	8.987	8.987	(1.005)	13890	0.19827		98.15
	10 Dibenzofuran	168	9.176	9.170	(1.026)	6053	0.05866	J	29.04
	11 Fluorene	166	9.596	9.596	(1.073)	10598	0.13193		65.30
*	15 Phenanthrene-d10	188	10.760	10.760	(1.000)	228052	2.00000		
	16 Phenanthrene	178	10.790	10.790	(1.003)	104349	0.89145	B	441.3
	17 Anthracene	178	10.843	10.843	(1.008)	19280	0.16482		81.58
	19 Fluoranthene	202	12.285	12.279	(1.142)	225508	1.88878		934.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	20 Pyrene	202	12.569	12.569	(0.893)	210863	1.54104	762.8
	22 Benzo(a)anthracene	228	14.052	14.052	(0.998)	121871	0.94974	470.1
*	23 Chrysene-d12	240	14.076	14.070	(1.000)	213090	2.00000	
	24 Chrysene	228	14.105	14.105	(1.002)	150083	1.26806	627.7
	28 Benzo(b)fluoranthene	252	15.453	15.447	(0.964)	168934	1.43254	709.1
	29 Benzo(k)fluoranthene	252	15.476	15.476	(0.965)	150541	1.19743	592.7
	30 Benzo(a)pyrene	252	15.943	15.938	(0.994)	146009	1.27067	629.0
*	31 Perylene-d12	264	16.032	16.026	(1.000)	208949	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.994	17.988	(1.122)	87167	0.65964	326.5
$	32 Dibenz(a,h)anthrancene-d14	292	17.917	17.906	(1.118)	14175	0.17727	87.75
	34 Dibenz(a,h)anthracene	278	17.976	17.976	(1.121)	25107	0.23258	115.1
	35 Benzo(g,h,i)perylene	276	18.585	18.562	(1.159)	77798	0.70825	350.6
	48 Biphenyl	154	8.219	8.219	(0.919)	27525	0.31225	154.6
	49 2,6-Dimethylnaphthalene	156	8.414	8.408	(0.941)	4615	0.06647	32.90
	50 2,3,5-Trimethylnaphthalene	170	9.436	9.430	(1.055)	4638	0.08156	40.37
	51 1-Methylphenanthrene	192	11.564	11.564	(0.822)	9219	0.10569	52.32
	52 Benzo(e)pyrene	252	15.867	15.861	(0.990)	113054	0.88884	440.0
	53 Perylene	252	16.073	16.068	(1.003)	99663	0.83452	413.1

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33f10.d
Lab Smp Id: JQ33F
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12928

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: T4-B414-02-C
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	266003	19.38
8 Acenaphthene-d10	123591	61796	247182	142673	15.44
15 Phenanthrene-d10	200797	100398	401594	228052	13.57
23 Chrysene-d12	171210	85605	342420	213090	24.46
31 Perylene-d12	183426	91713	366852	208949	13.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.02
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.02
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.01
23 Chrysene-d12	14.08	13.58	14.58	14.08	-0.01
31 Perylene-d12	16.03	15.53	16.53	16.03	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

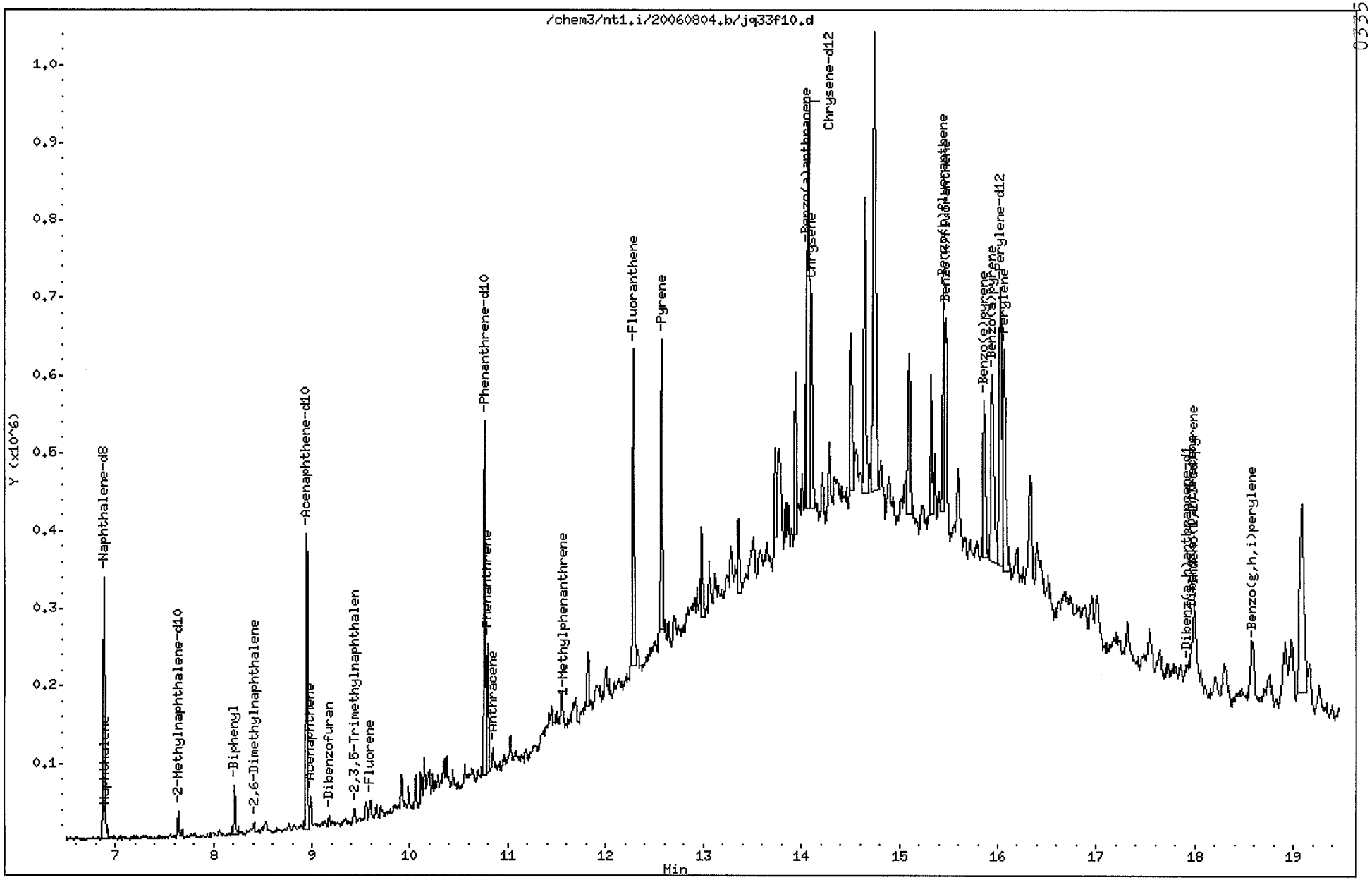
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33F
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12928

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-02-C
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	148.5	101.6	68.39	32-97
$ 32 Dibenz(a,h)anthran	148.5	87.75	59.09	21-105

Data File: /chem3/nt1.i/20060804.b/jq33f10.d
Date : 04-AUG-2006 17:26
Client ID: T4-B414-02-C
Sample Info: JQ33F,10
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

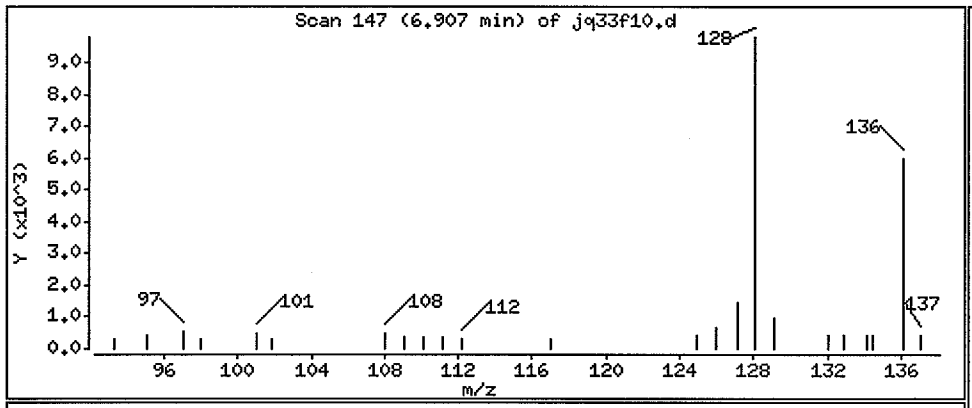
Operator: VTS

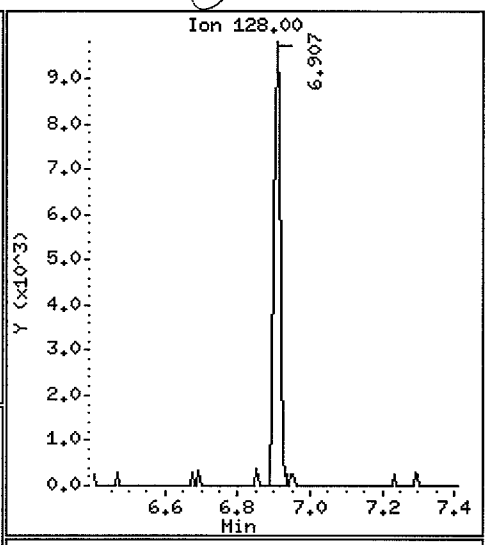
Column phase: ZB-5

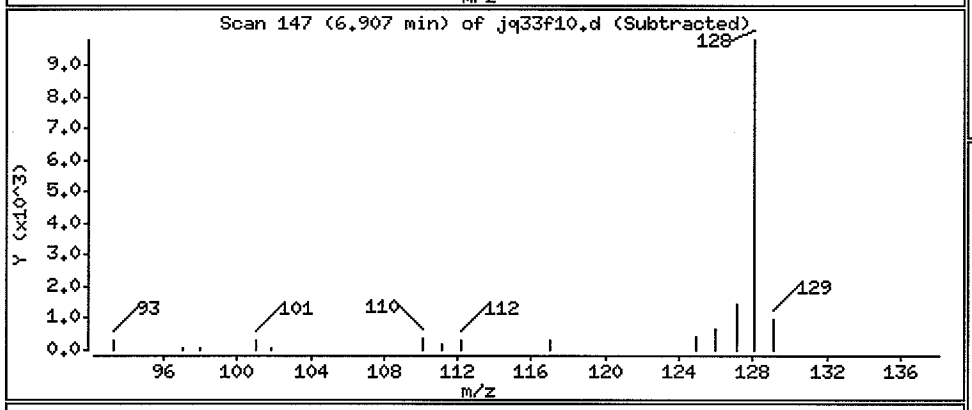
Column diameter: 0.25

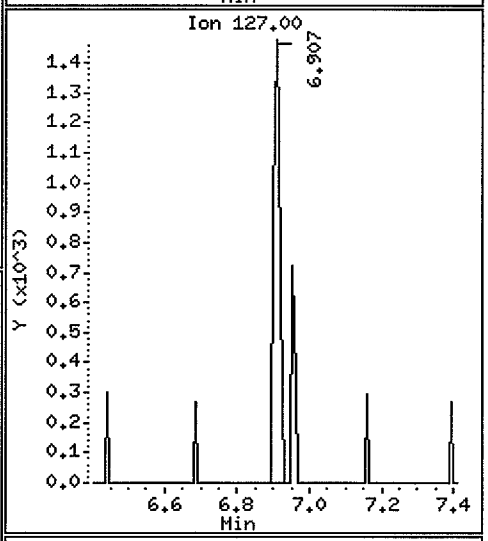
2 Naphthalene

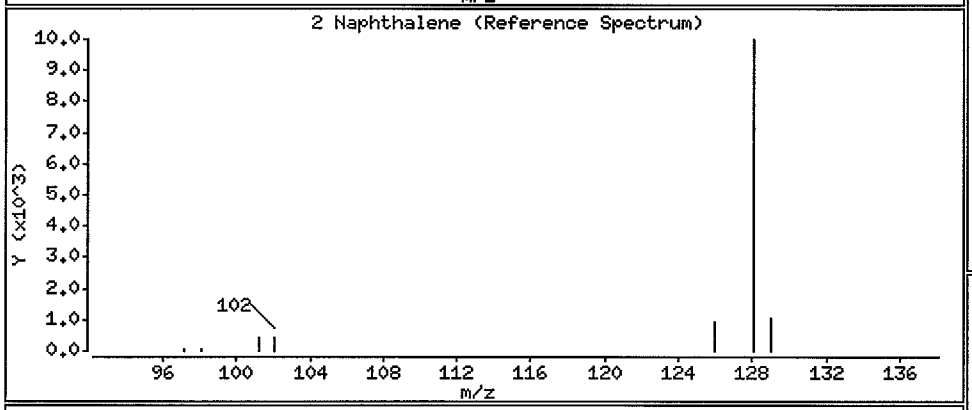
Concentration: 39.80 ug/kg

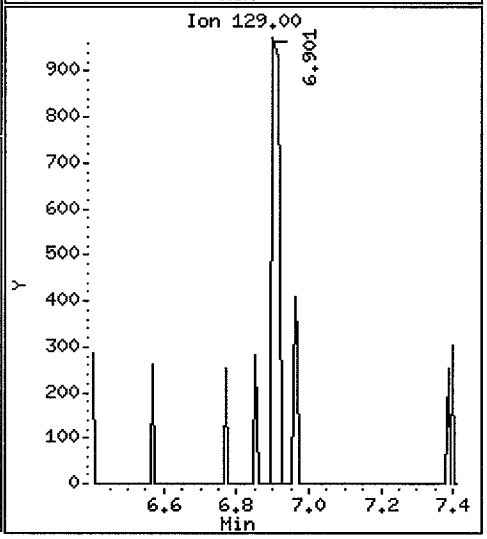


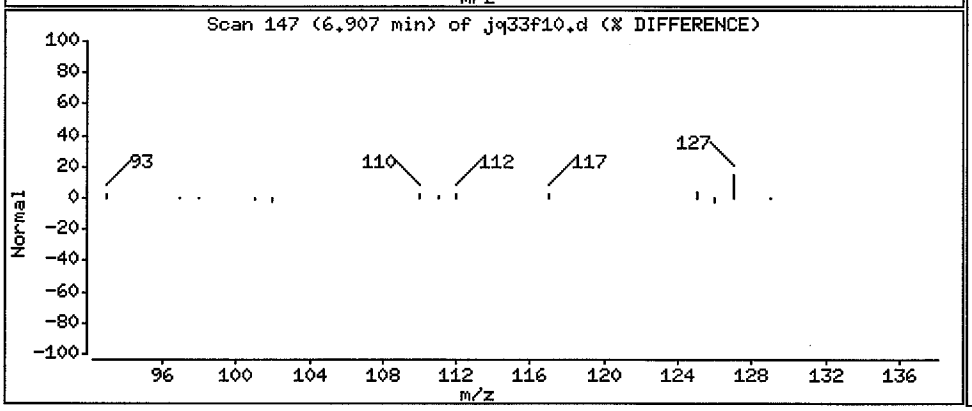












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

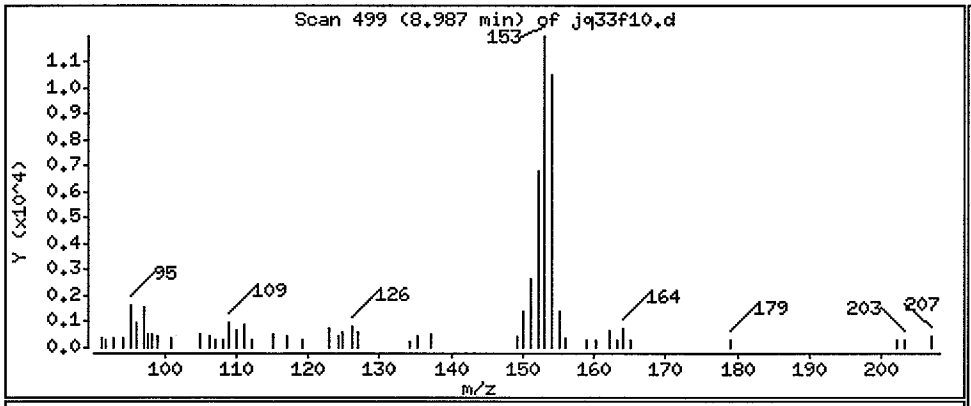
Operator: VTS

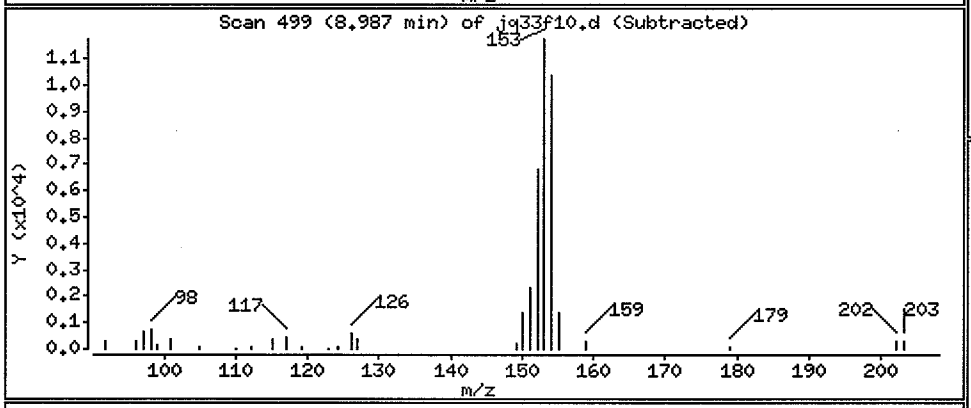
Column phase: ZB-5

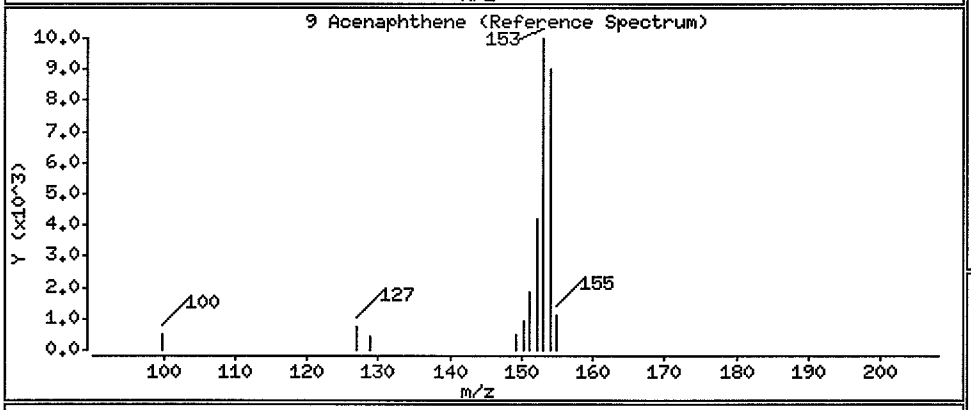
Column diameter: 0.25

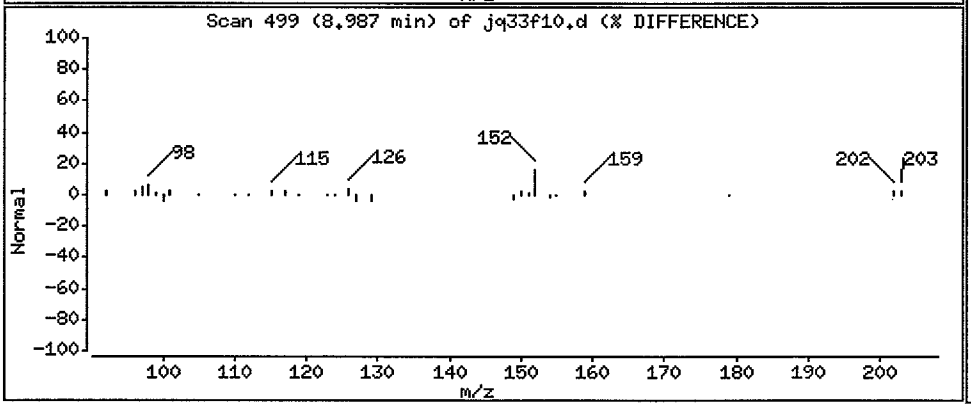
9 Acenaphthene

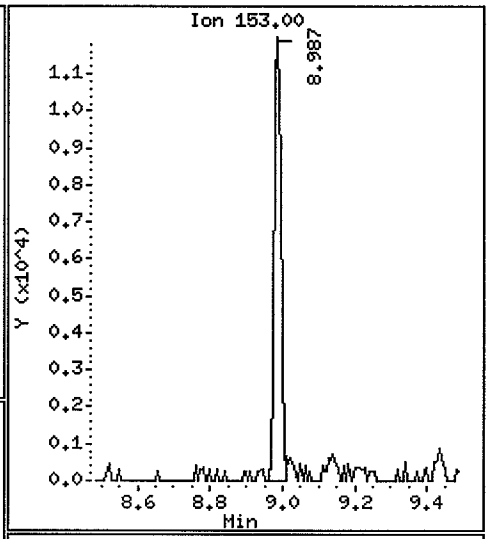
Concentration: 98.15 ug/kg

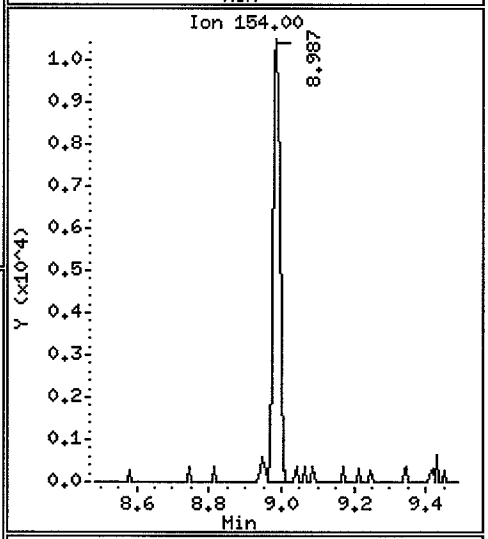


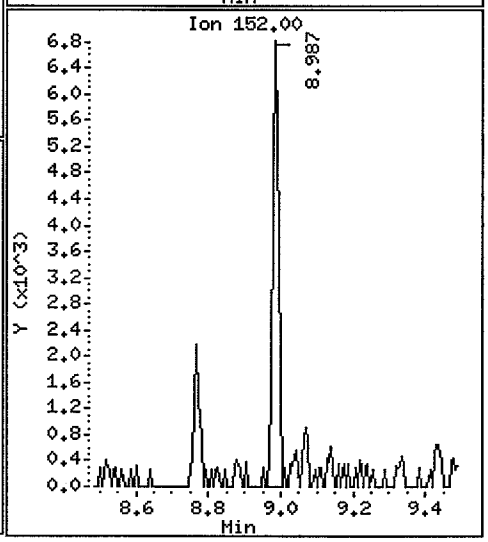












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

Operator: VTS

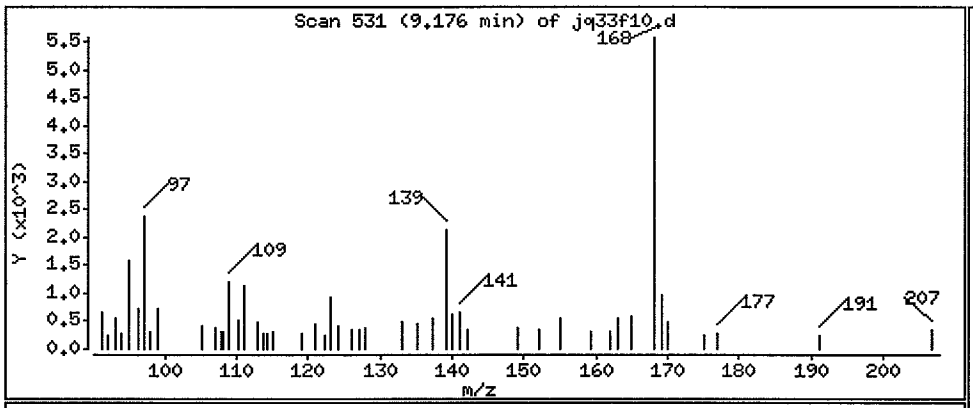
Column phase: ZB-5

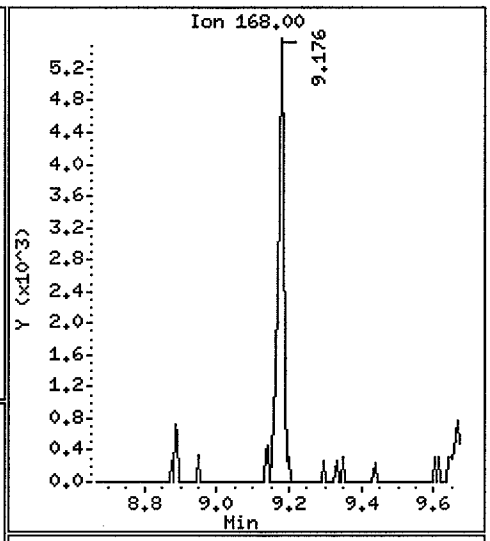
Column diameter: 0.25

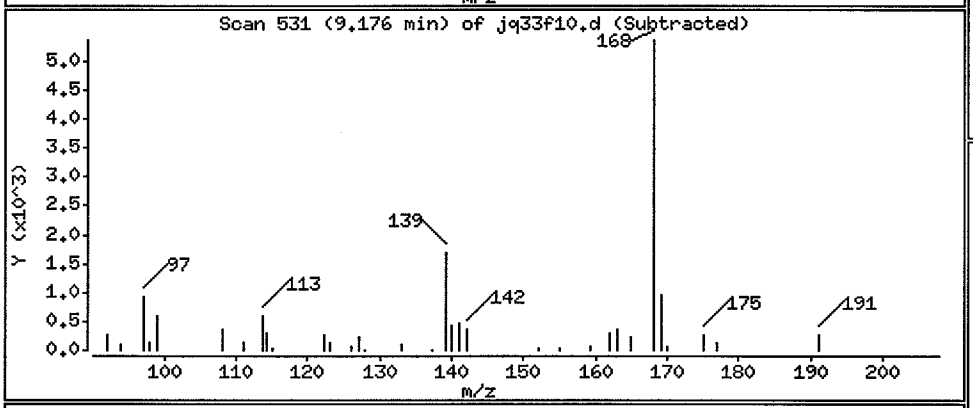
NR, qd

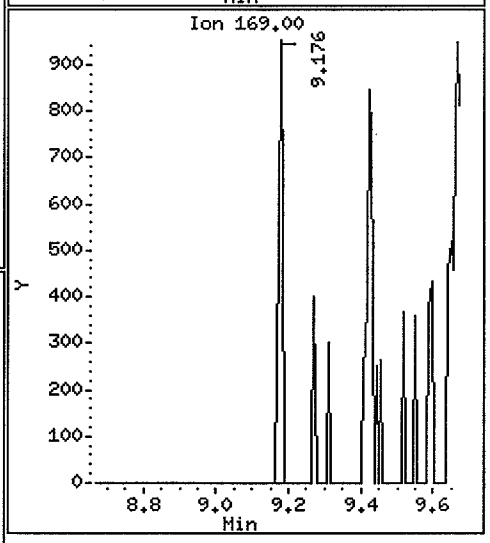
10 Dibenzofuran

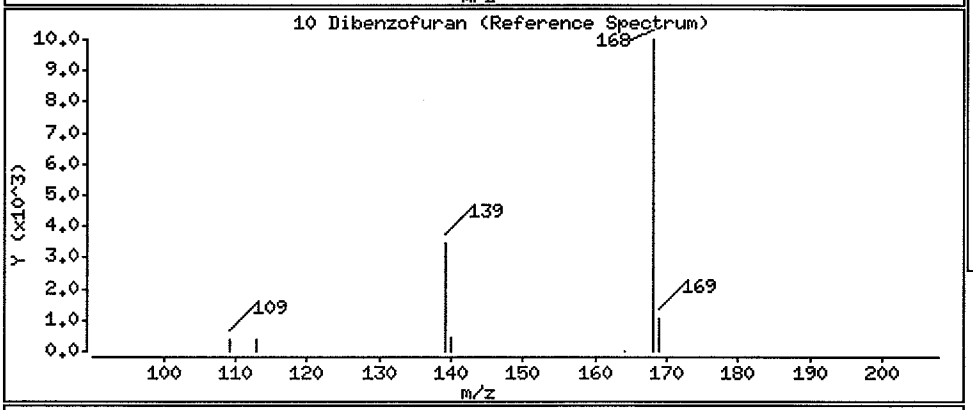
Concentration: 29.04 ug/kg

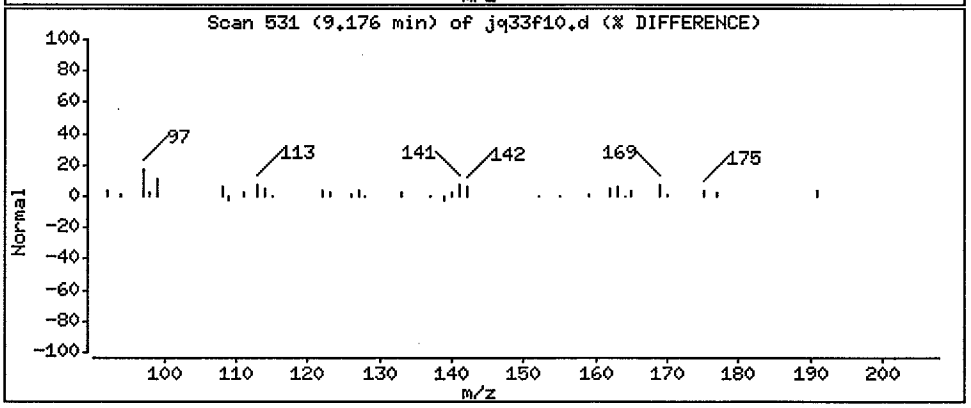












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

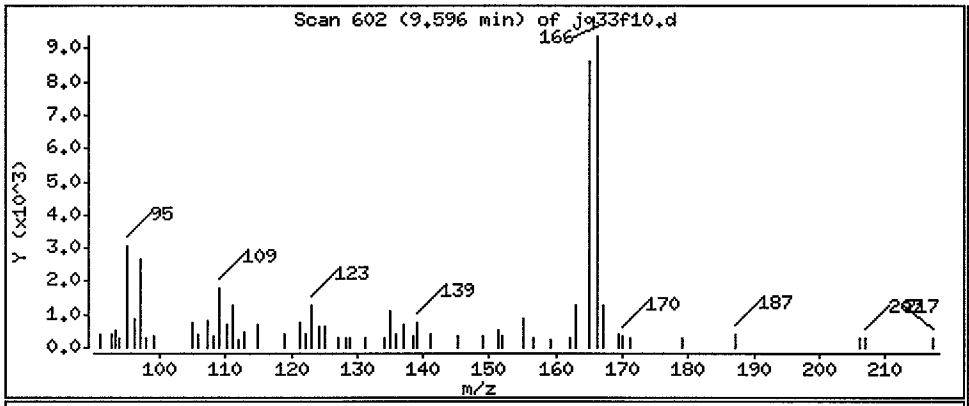
Operator: VTS

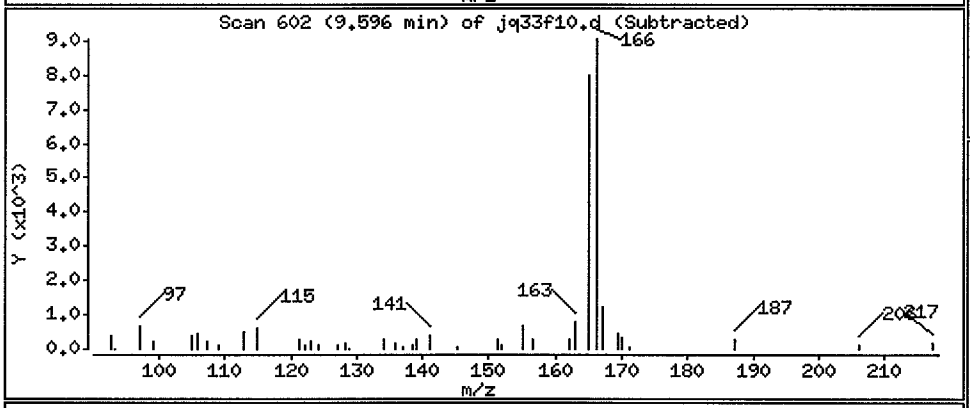
Column phase: ZB-5

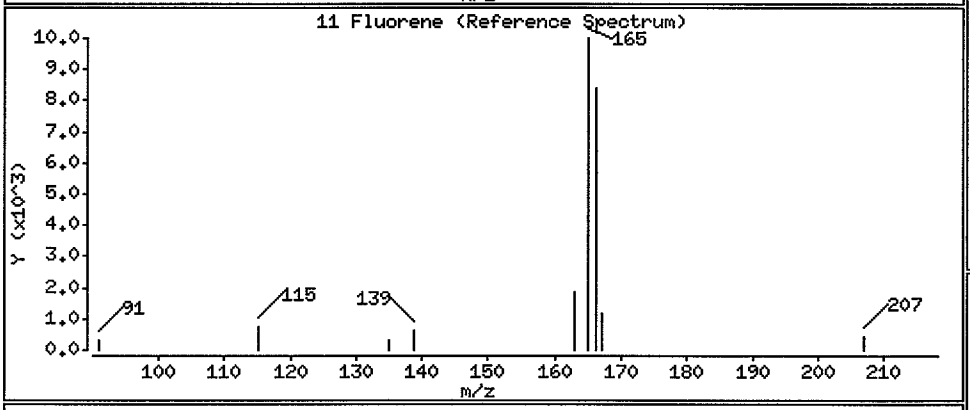
Column diameter: 0.25

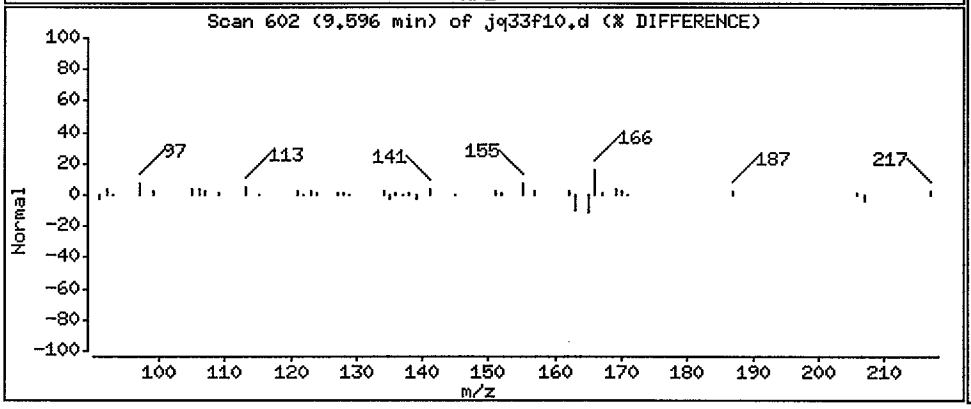
11 Fluorene

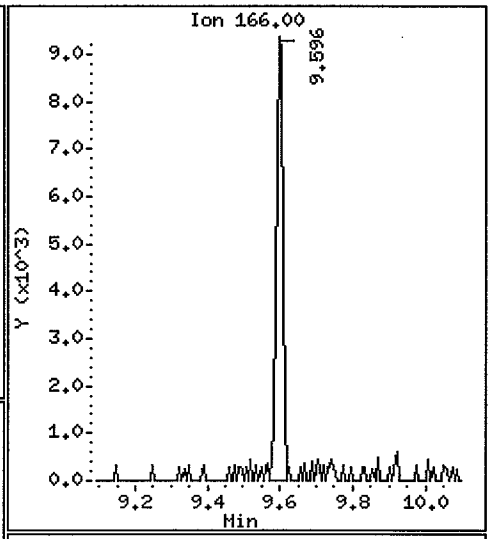
Concentration: 65.30 ug/kg

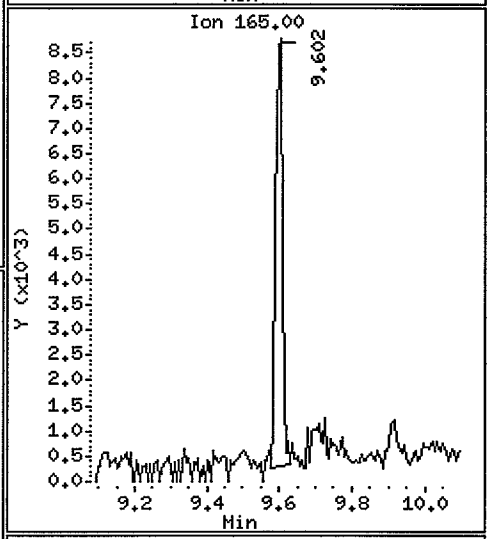


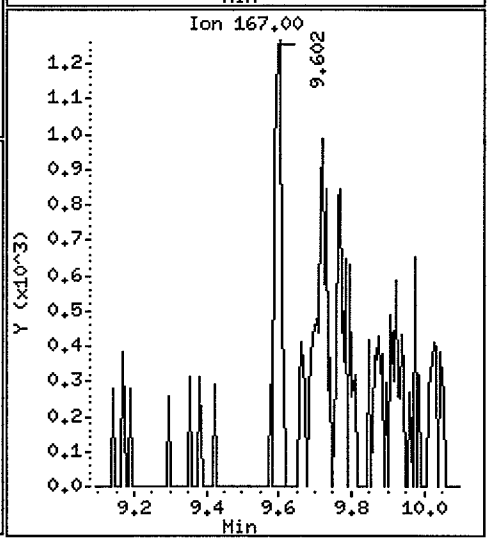












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

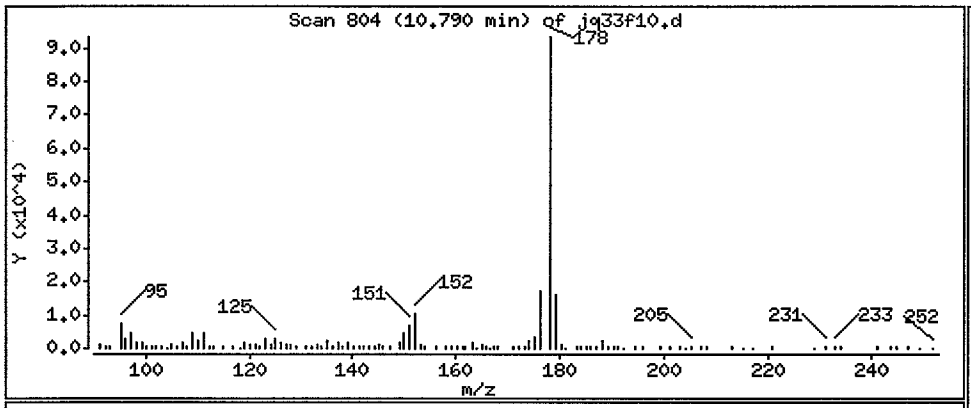
Operator: VTS

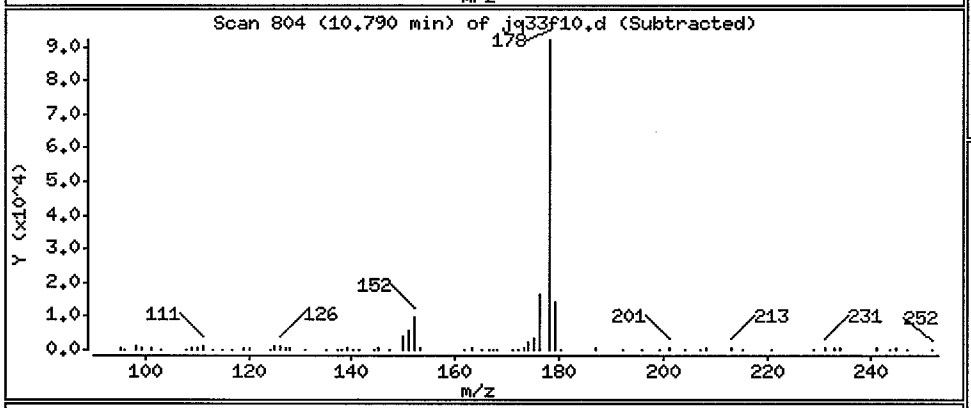
Column phase: ZB-5

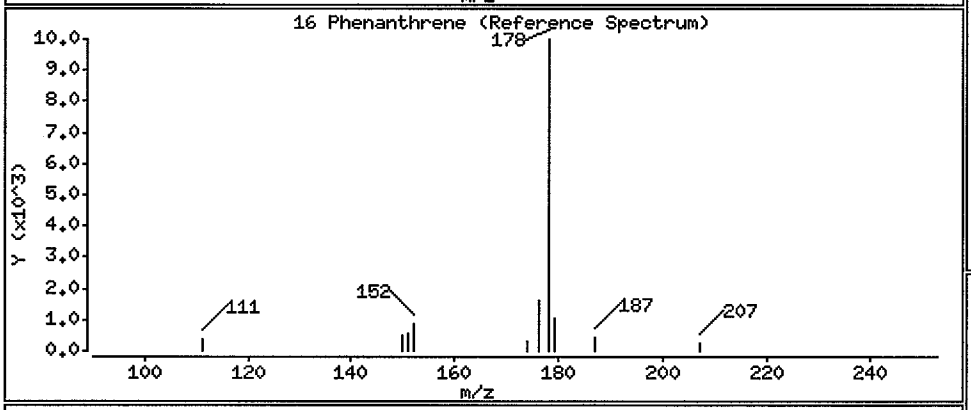
Column diameter: 0.25

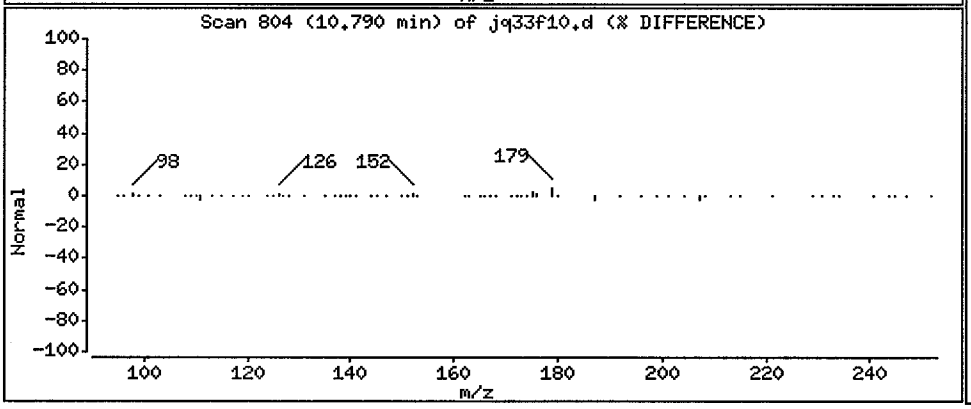
16 Phenanthrene

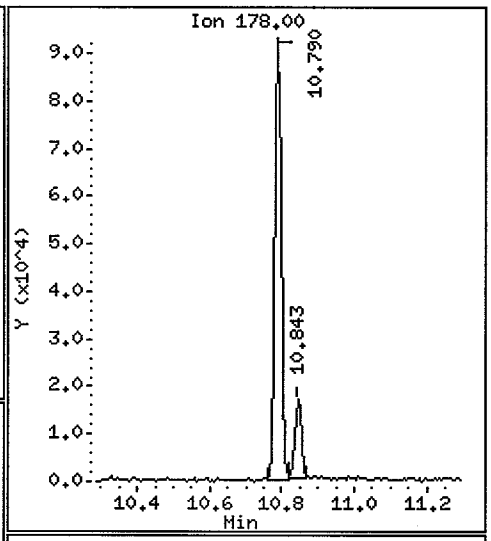
Concentration: 441.3 ug/kg

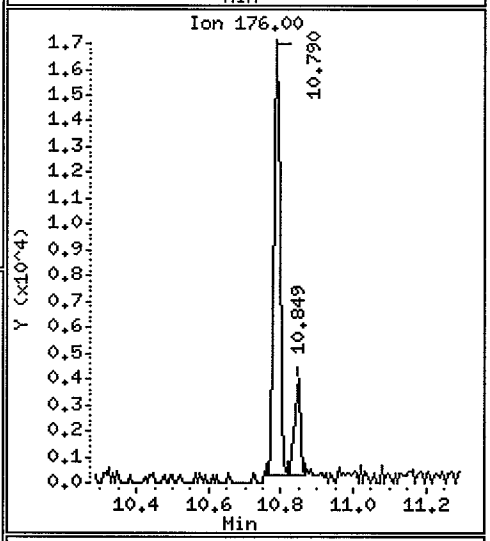


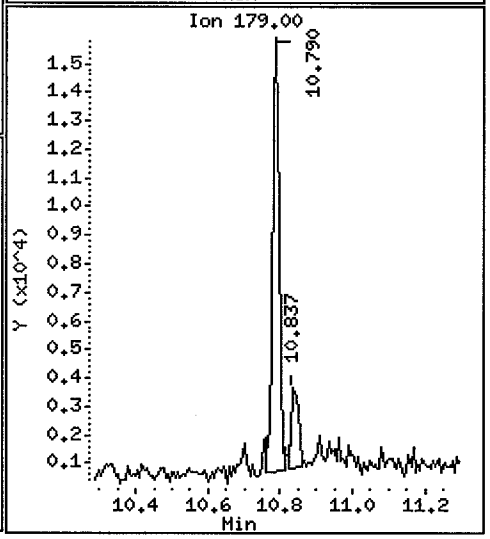












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

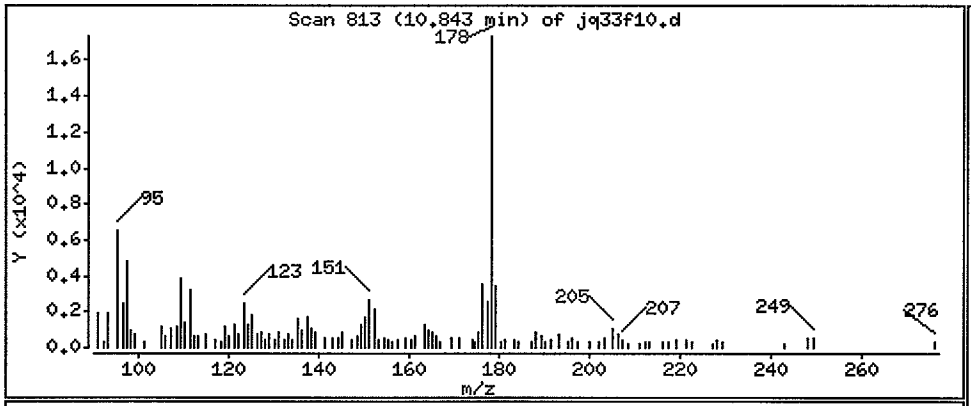
Operator: VTS

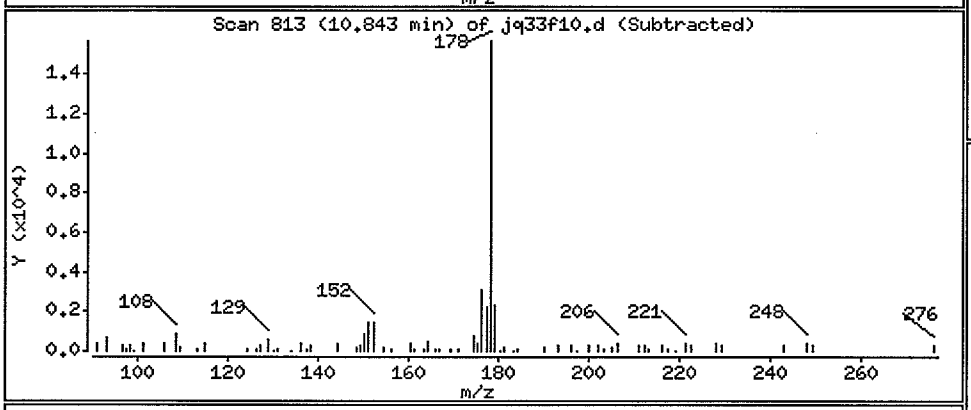
Column phase: ZB-5

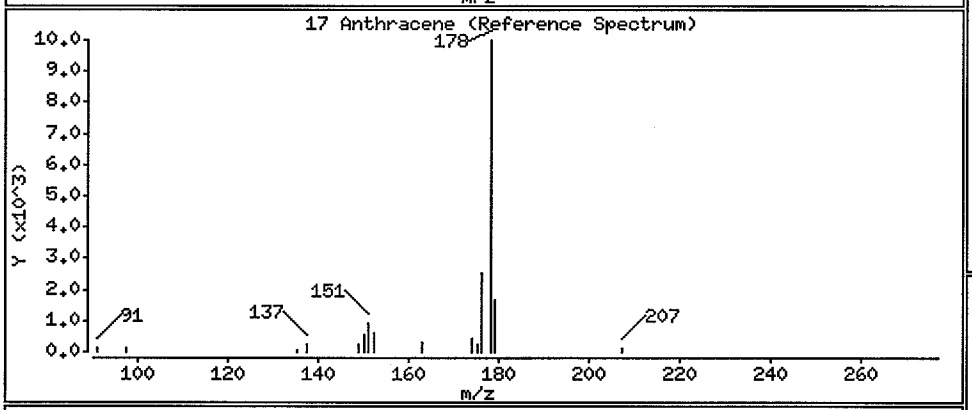
Column diameter: 0.25

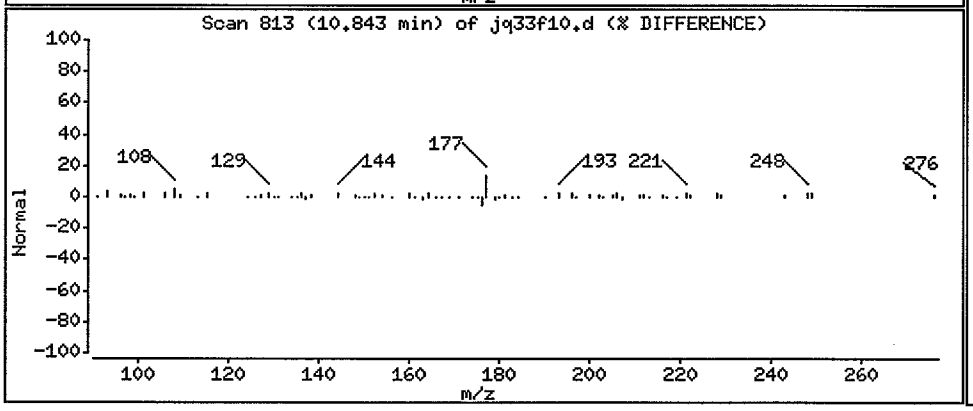
17 Anthracene

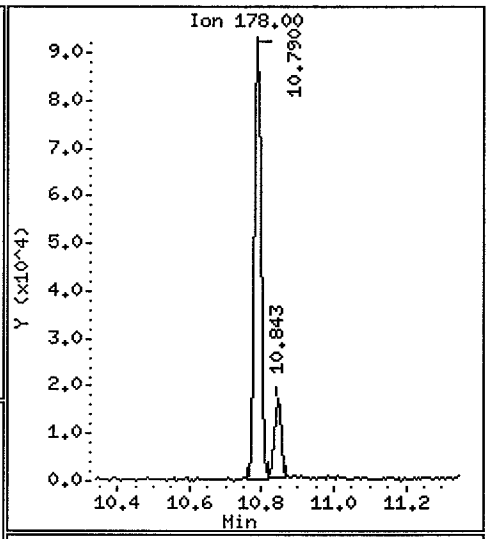
Concentration: 81.58 ug/kg

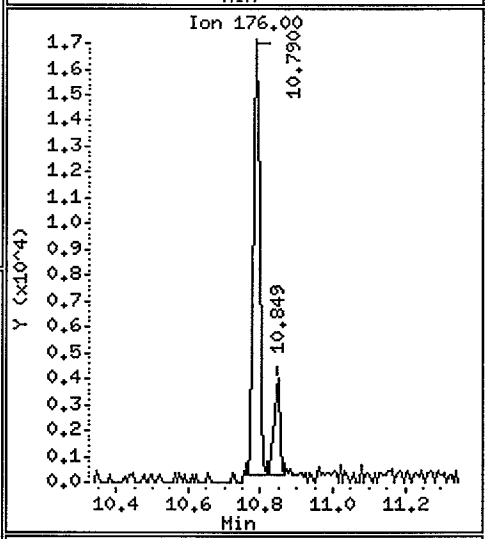


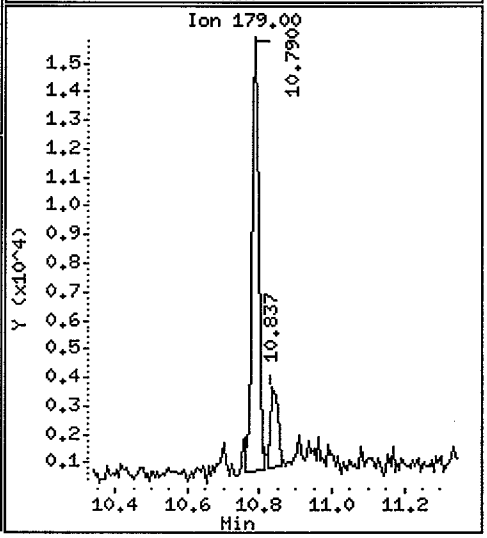












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

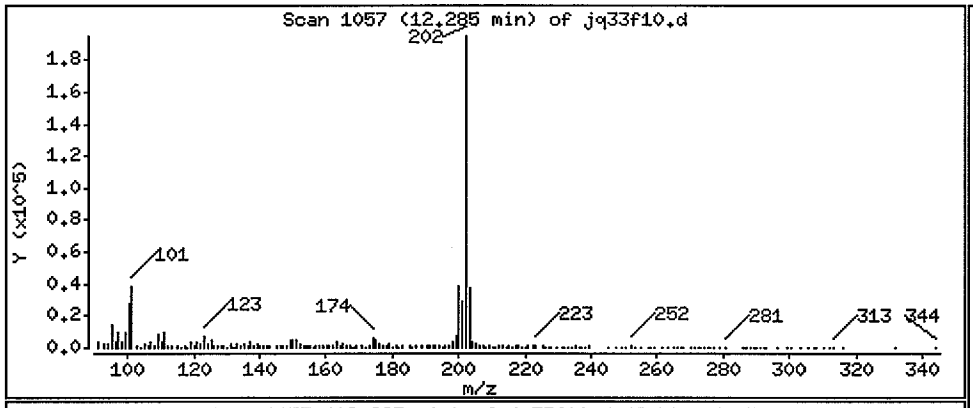
Operator: VTS

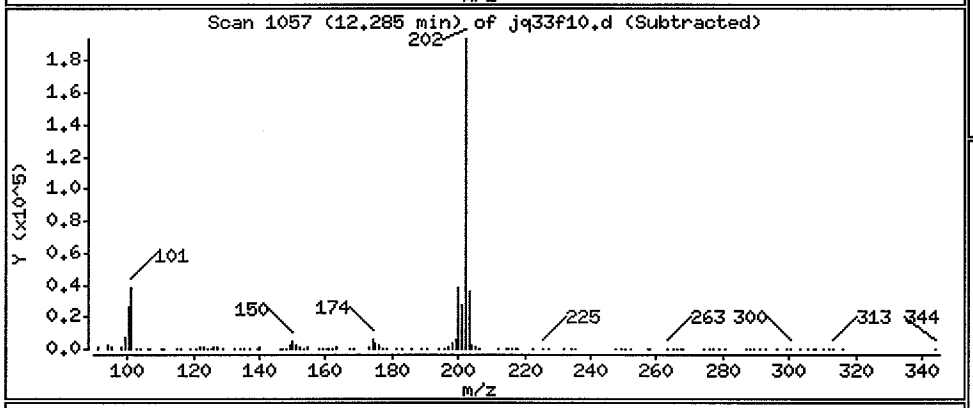
Column phase: ZB-5

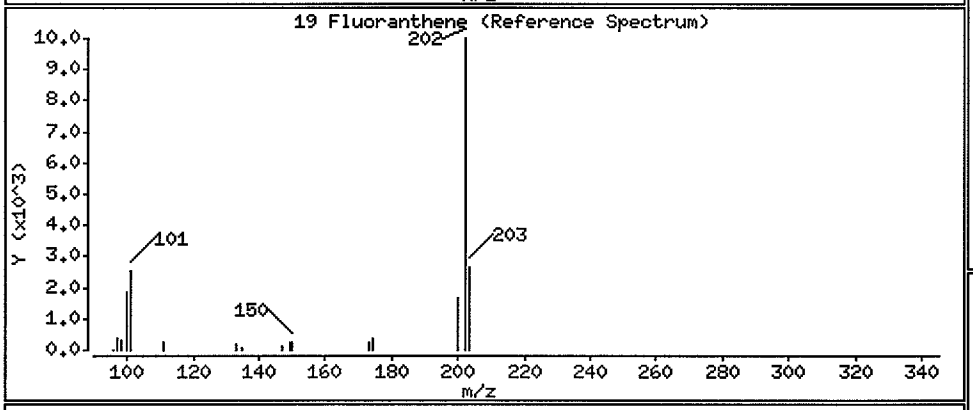
Column diameter: 0.25

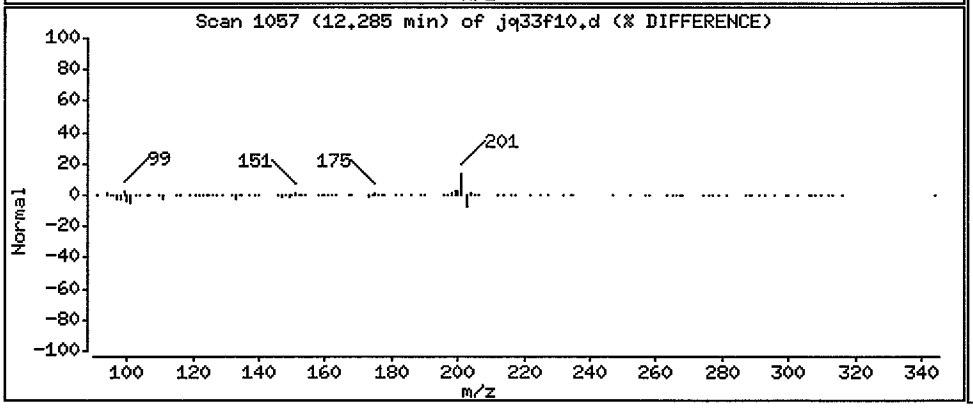
19 Fluoranthene

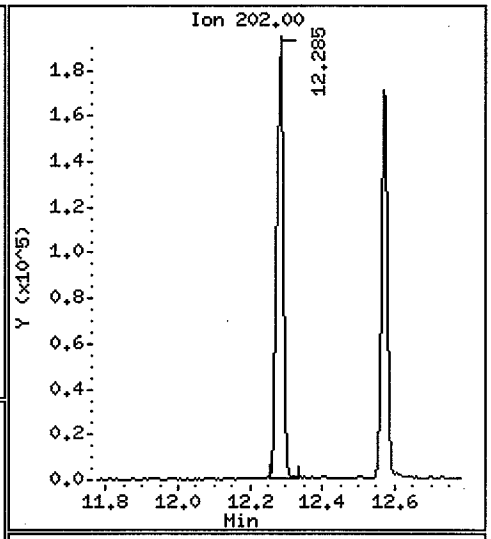
Concentration: 934.9 ug/kg

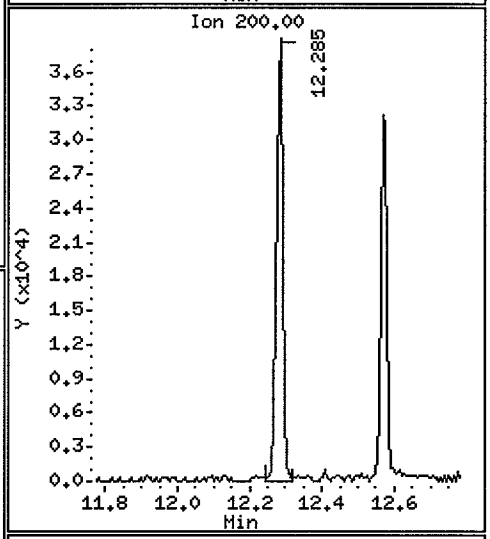


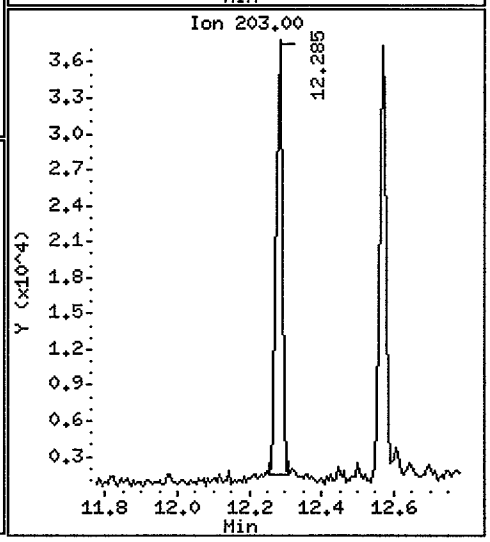












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

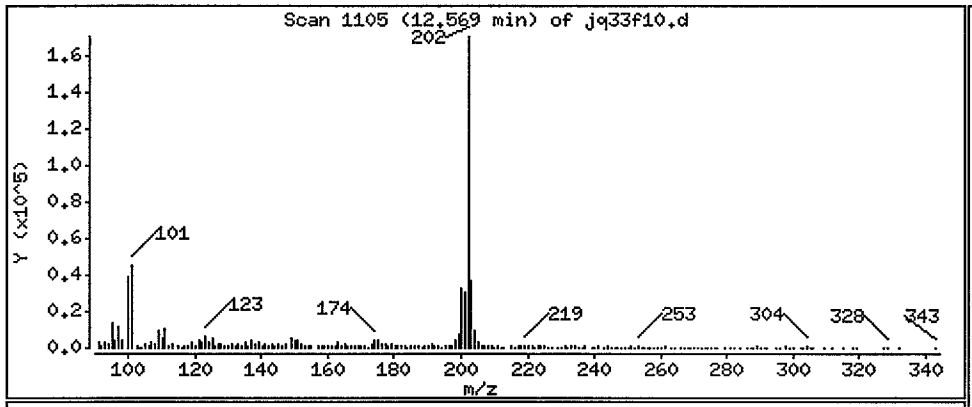
Operator: VTS

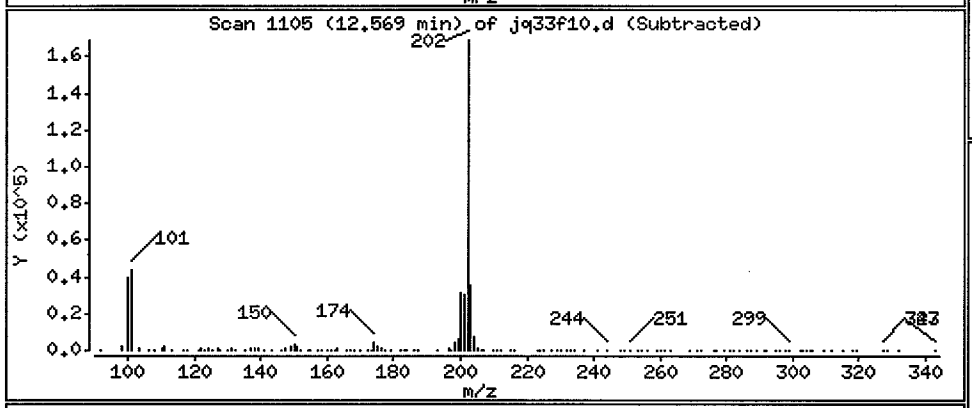
Column phase: ZB-5

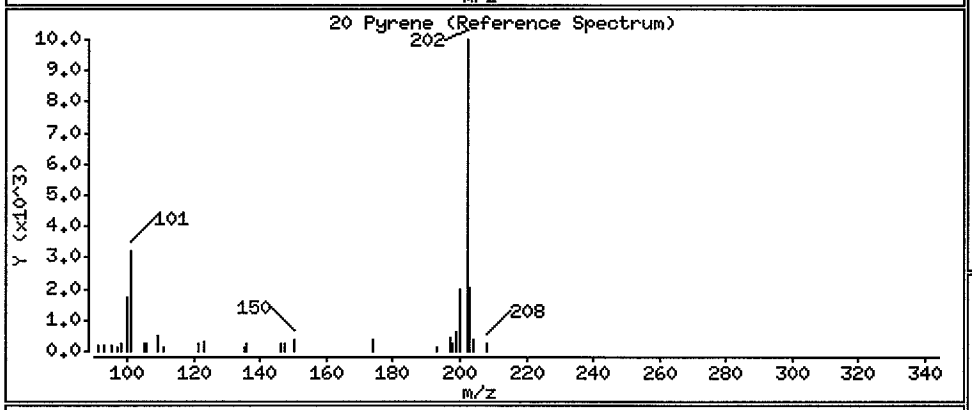
Column diameter: 0.25

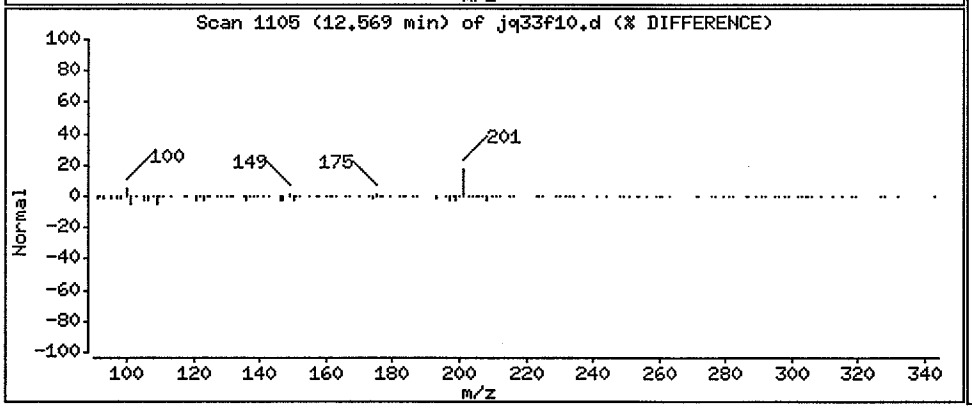
20 Pyrene

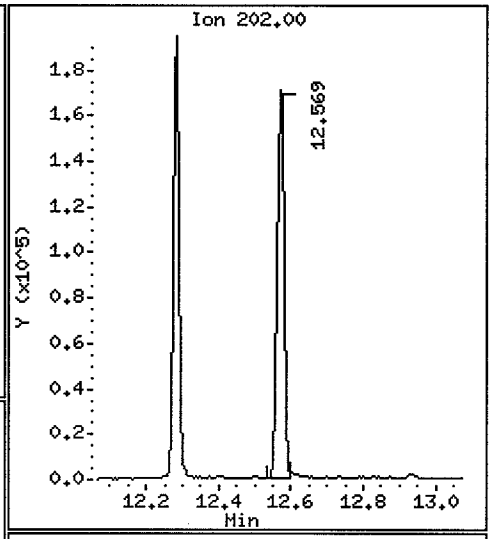
Concentration: 762.8 ug/kg

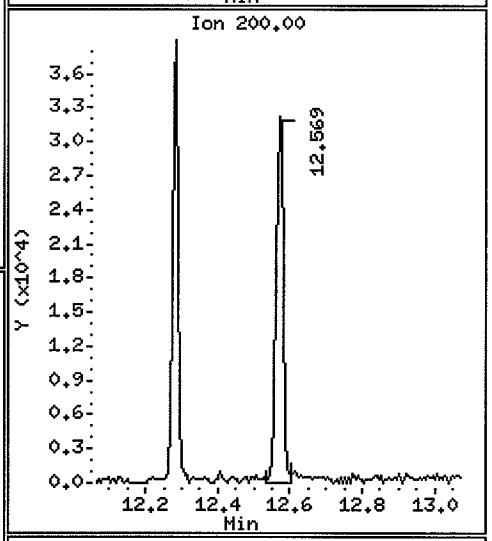


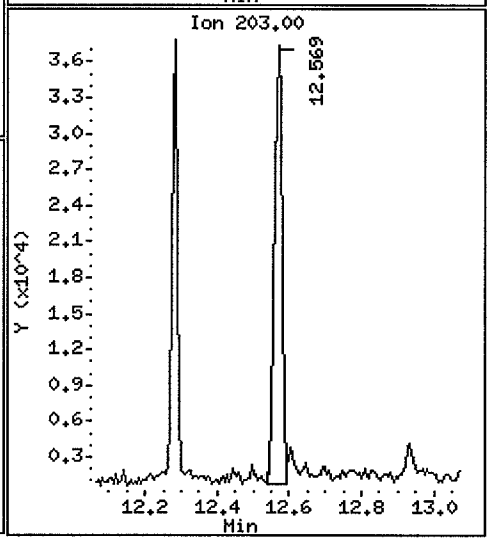












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

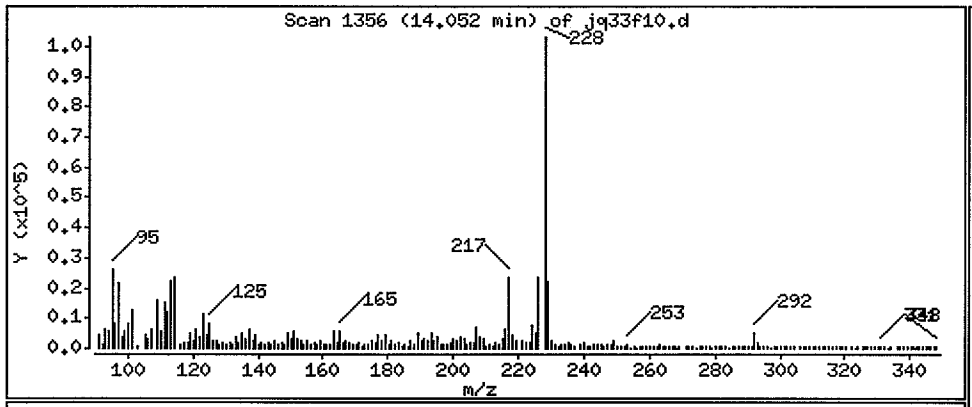
Operator: VTS

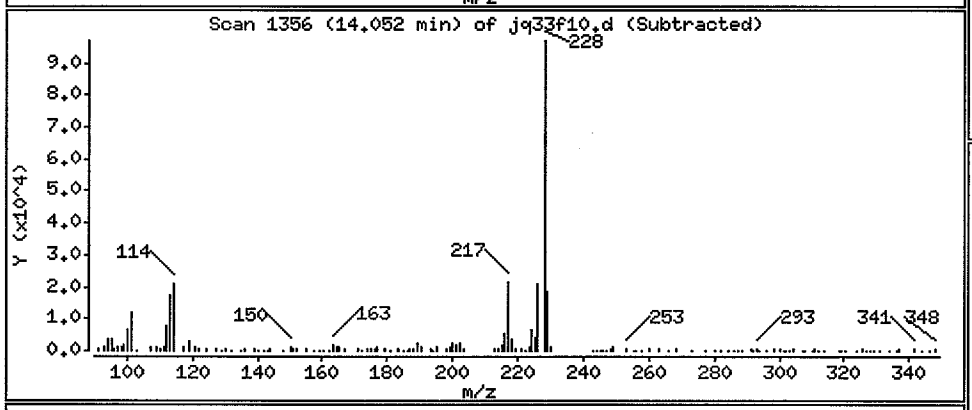
Column phase: ZB-5

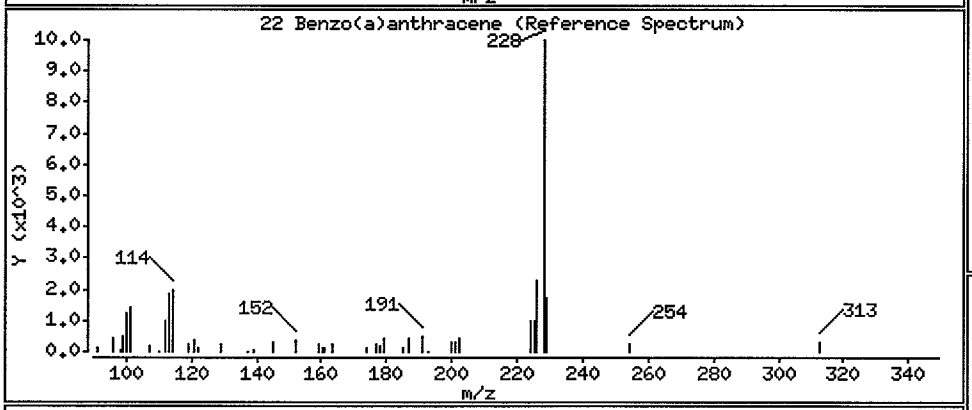
Column diameter: 0.25

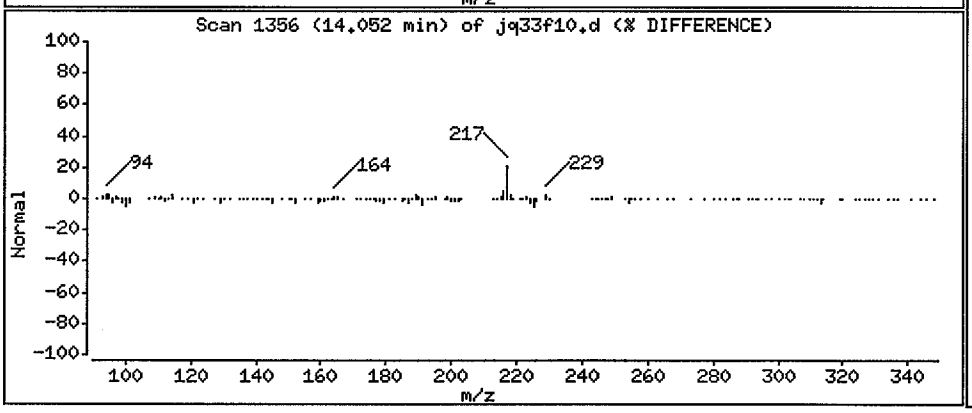
22 Benzo(a)anthracene

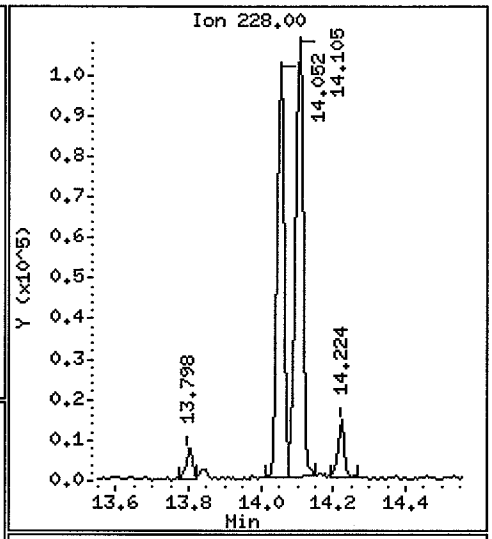
Concentration: 470.1 ug/kg

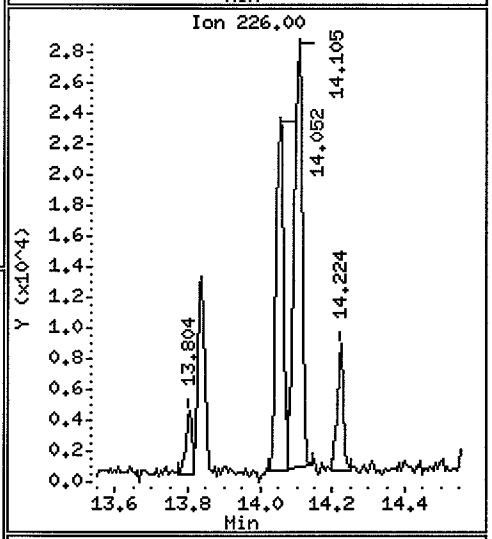


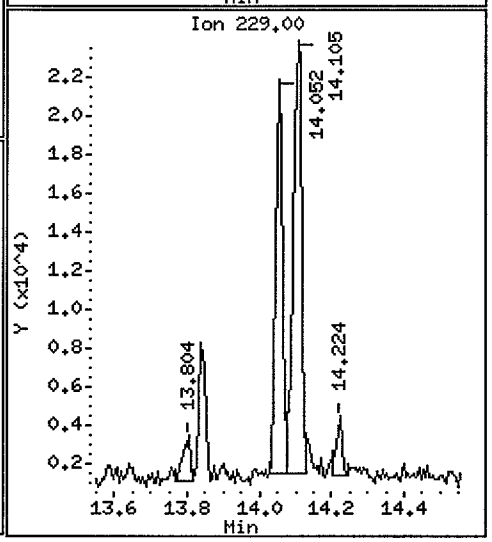












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

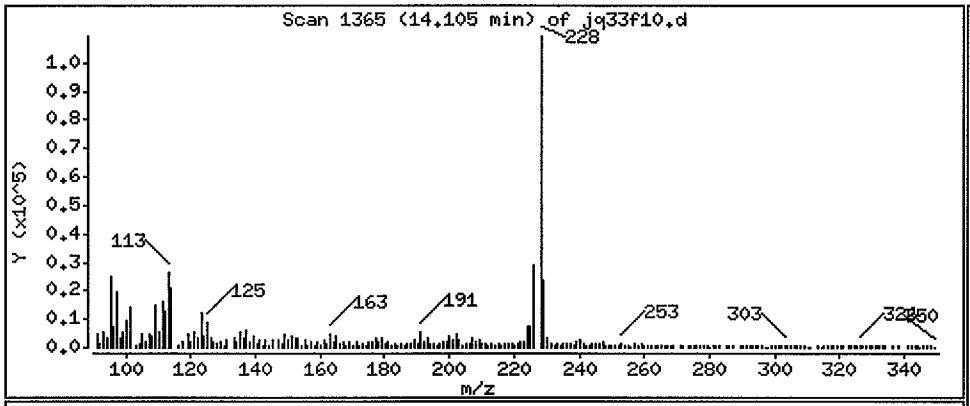
Operator: VTS

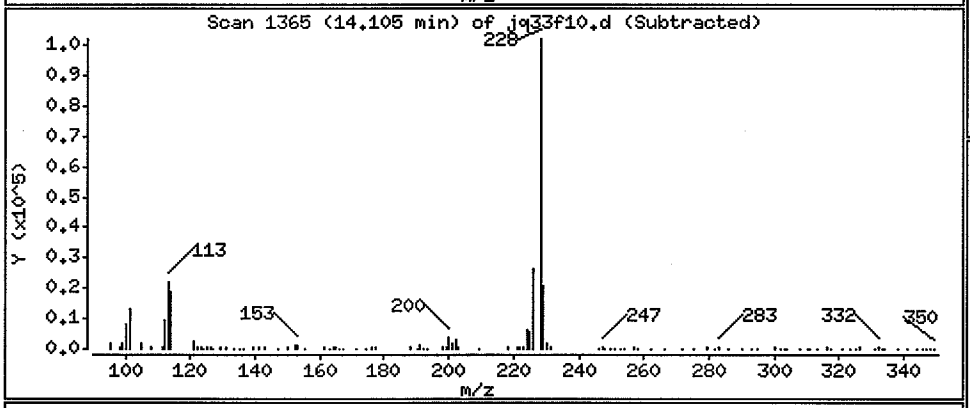
Column phase: ZB-5

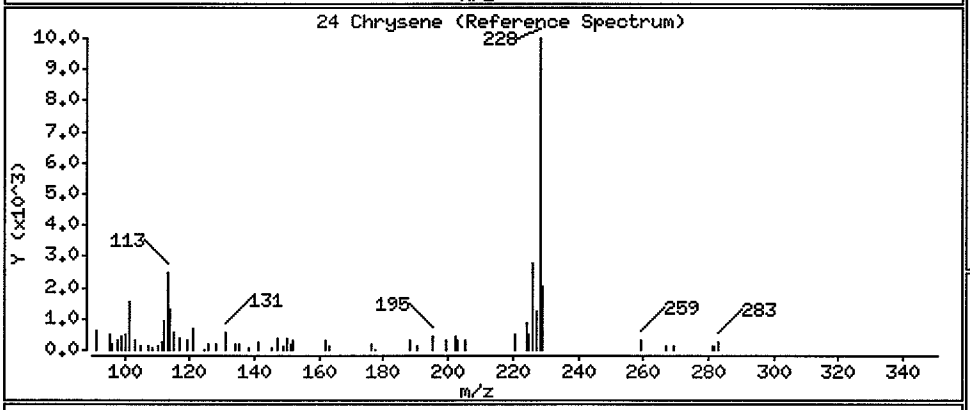
Column diameter: 0.25

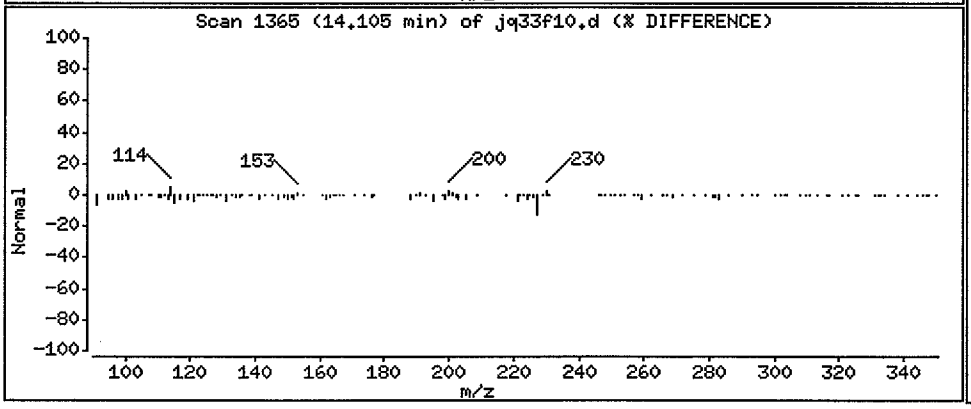
24 Chrysene

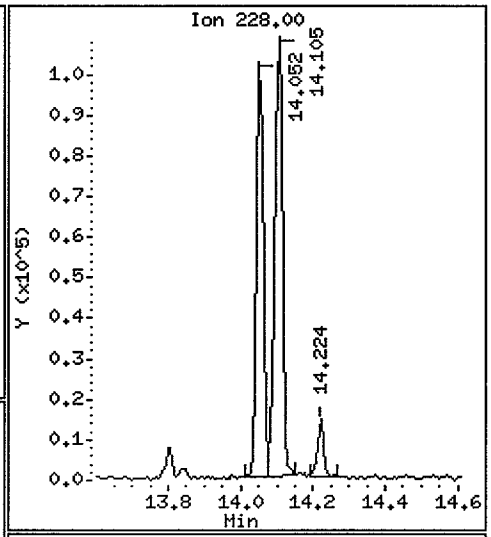
Concentration: 627.7 ug/kg

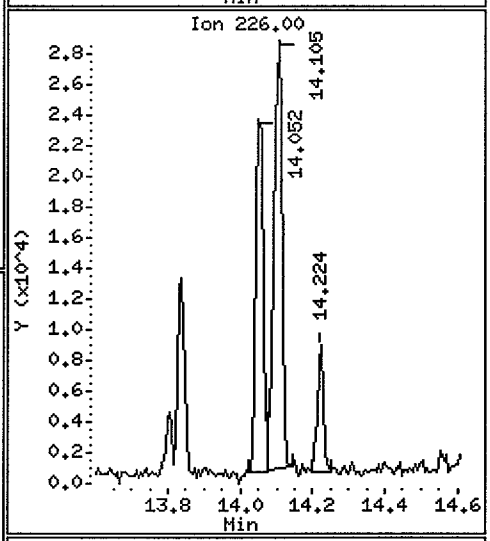


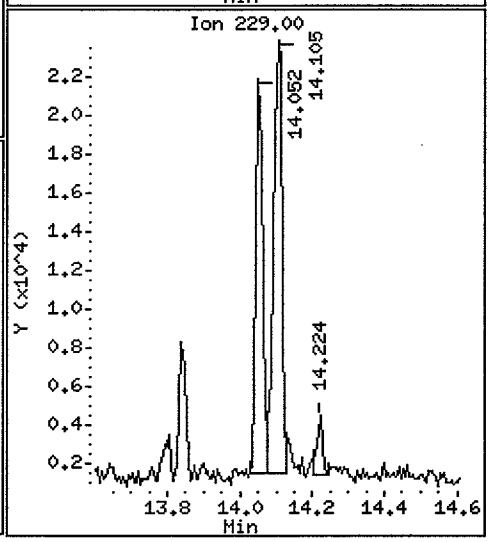












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

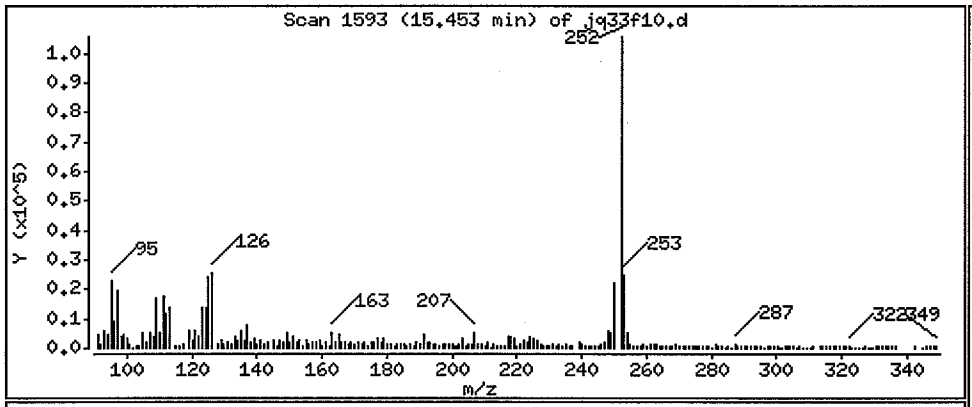
Operator: VTS

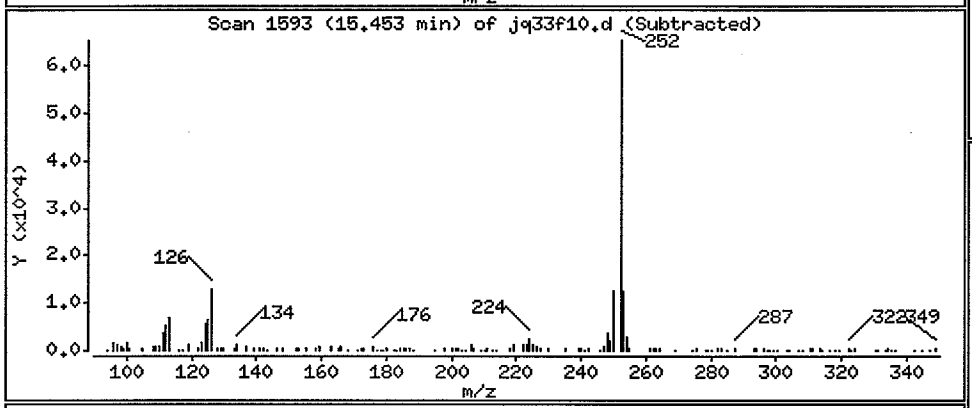
Column phase: ZB-5

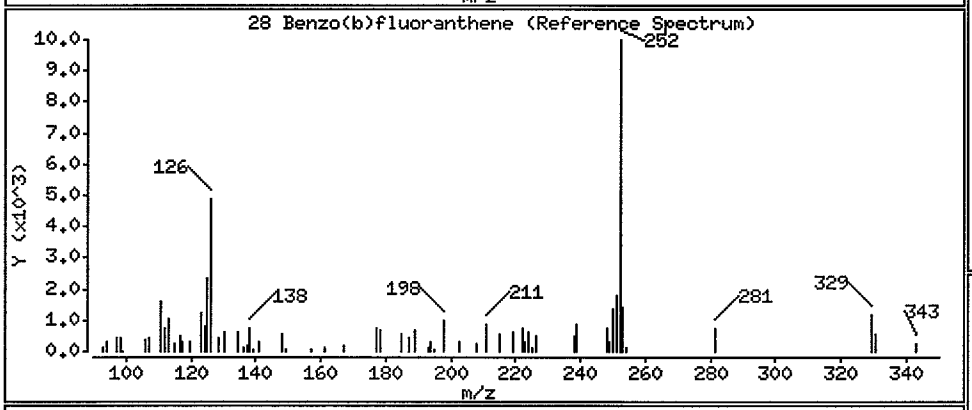
Column diameter: 0.25

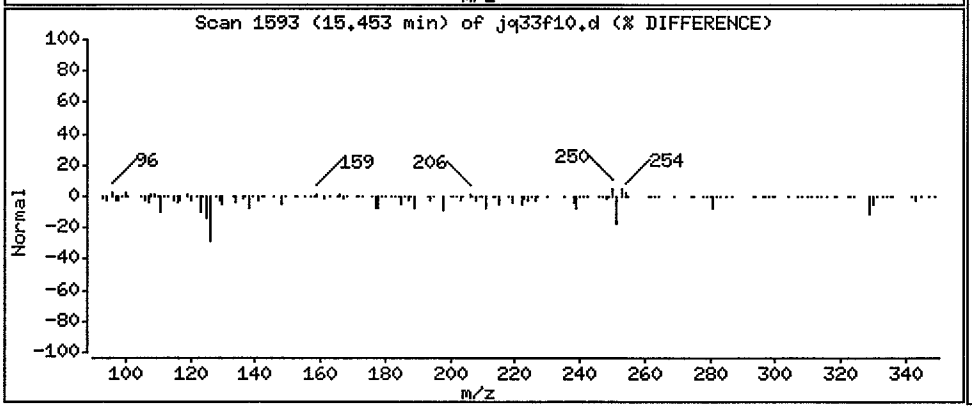
28 Benzo(b)fluoranthene

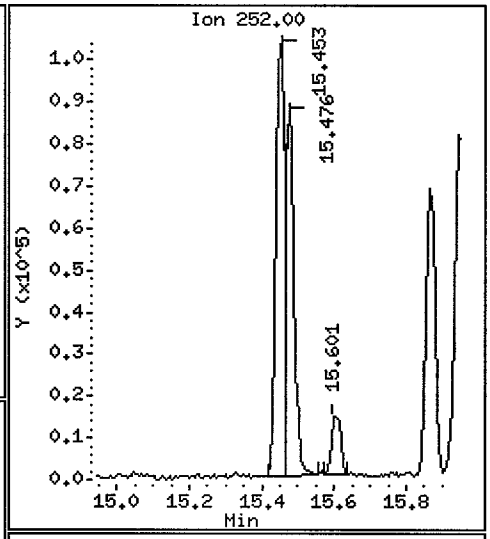
Concentration: 709.1 ug/kg

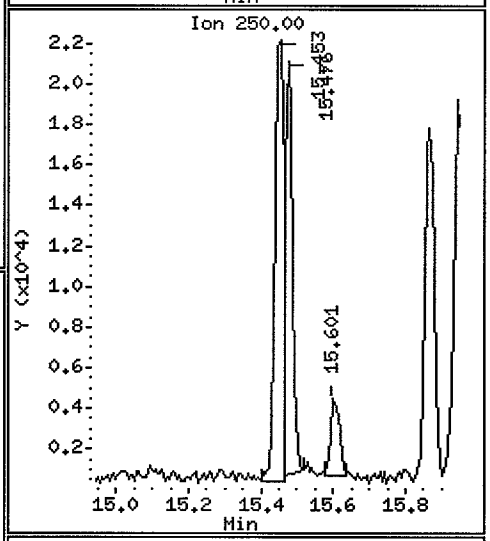


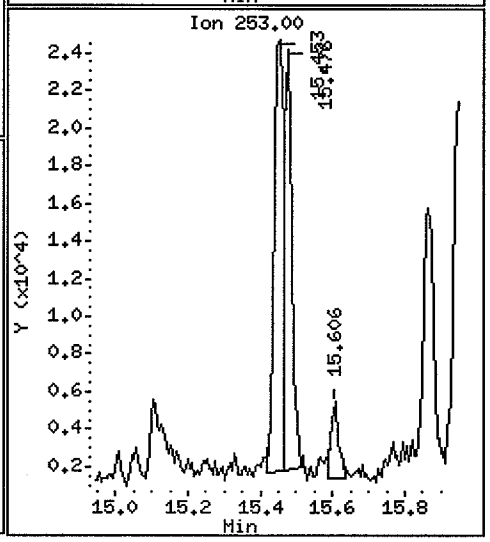












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

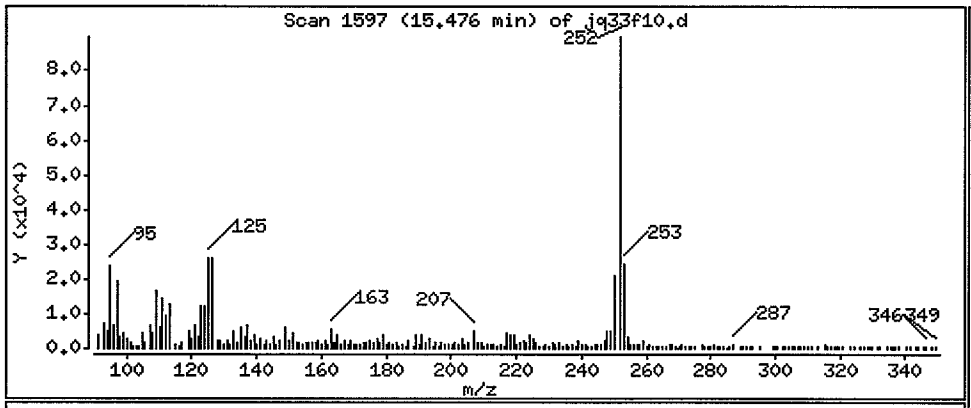
Operator: VTS

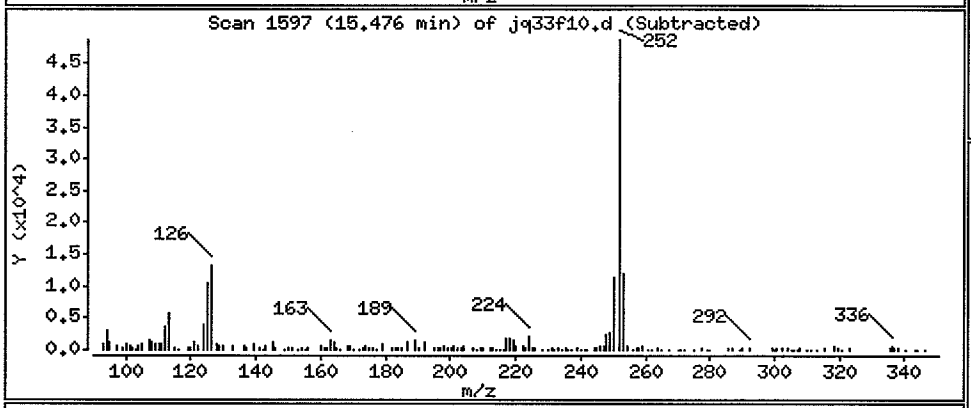
Column phase: ZB-5

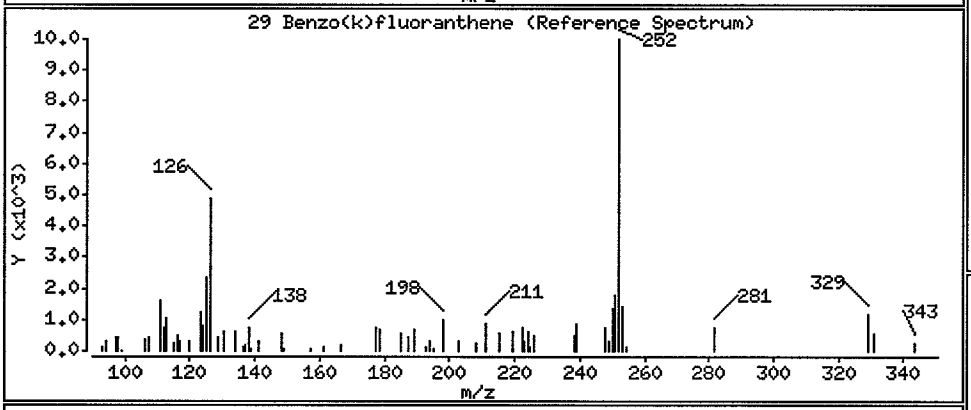
Column diameter: 0.25

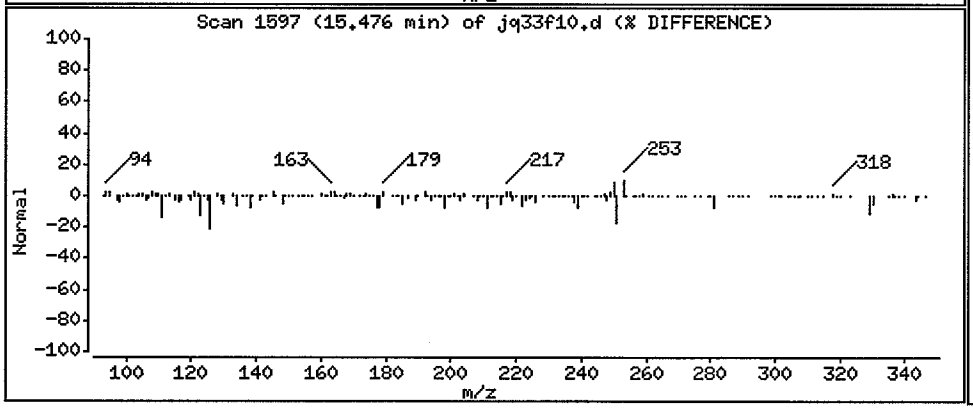
29 Benzo(k)fluoranthene

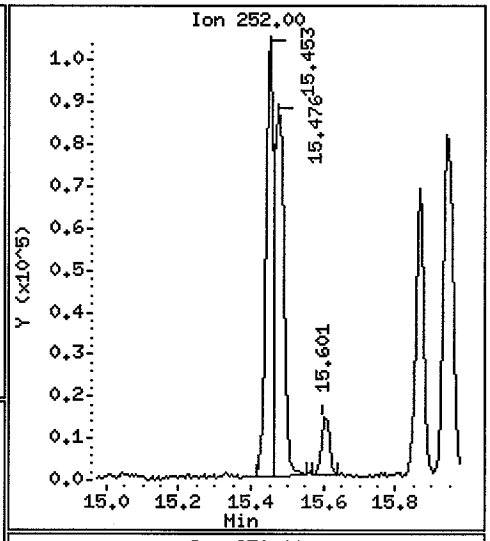
Concentration: 592.7 ug/kg

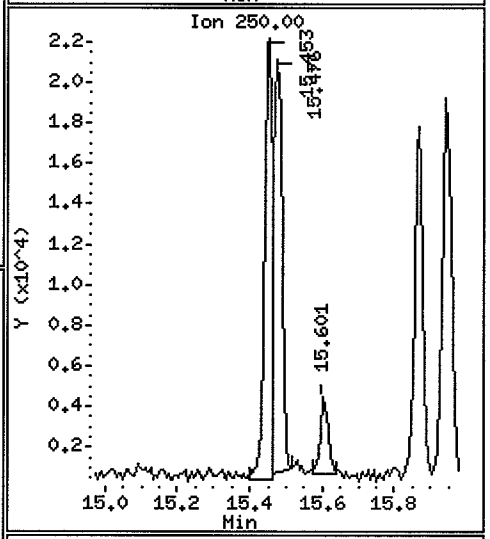


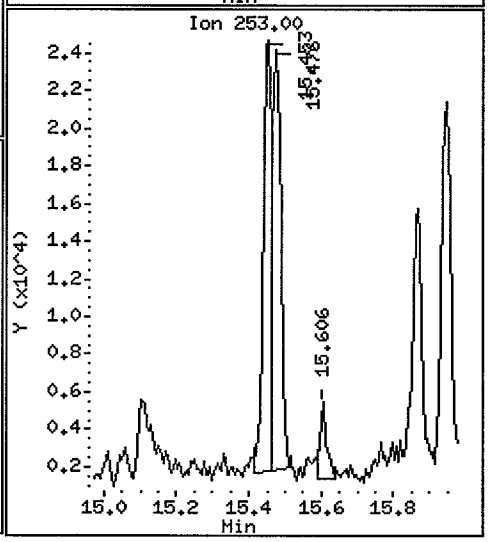












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

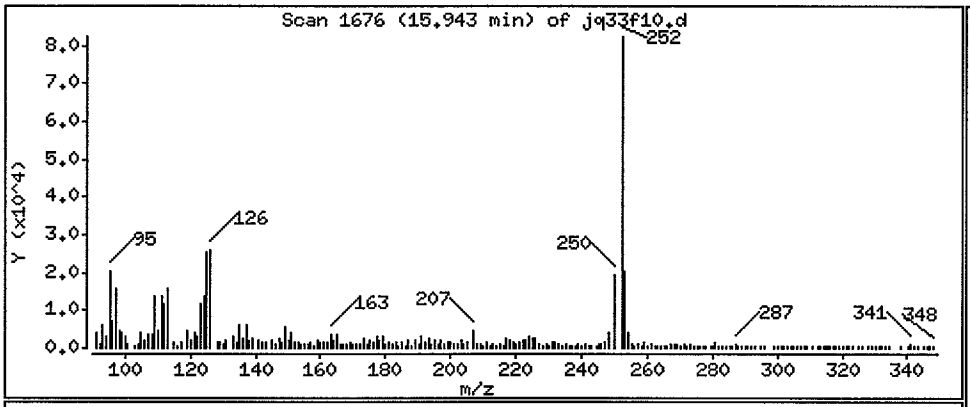
Operator: VTS

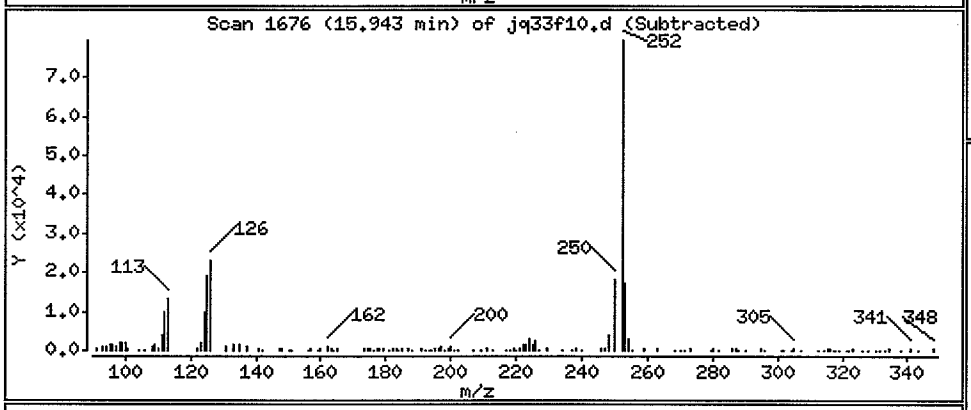
Column phase: ZB-5

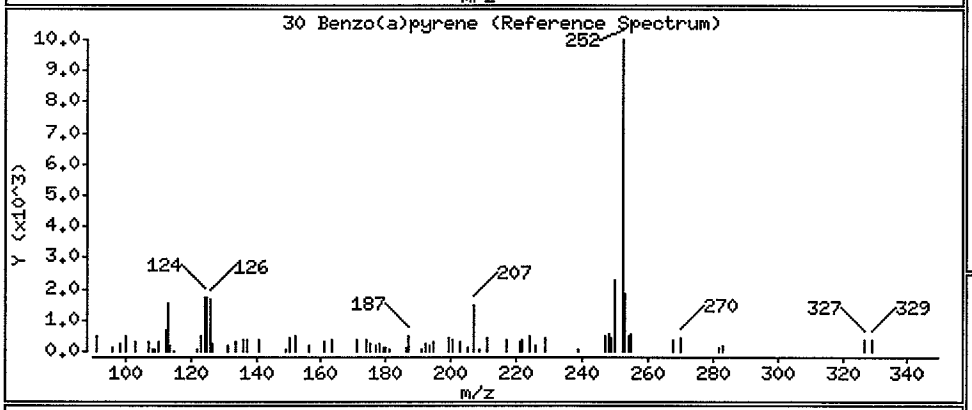
Column diameter: 0.25

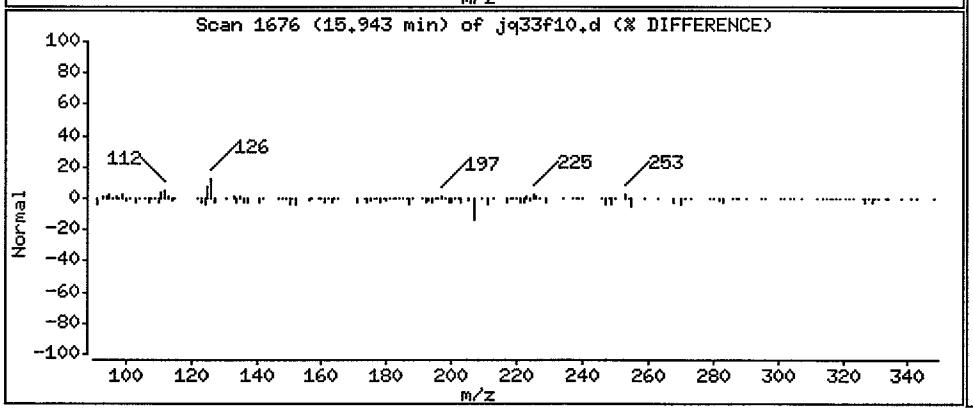
30 Benzo(a)pyrene

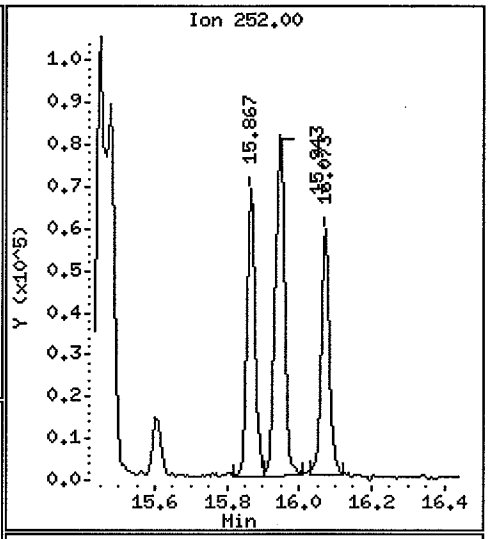
Concentration: 629.0 ug/kg

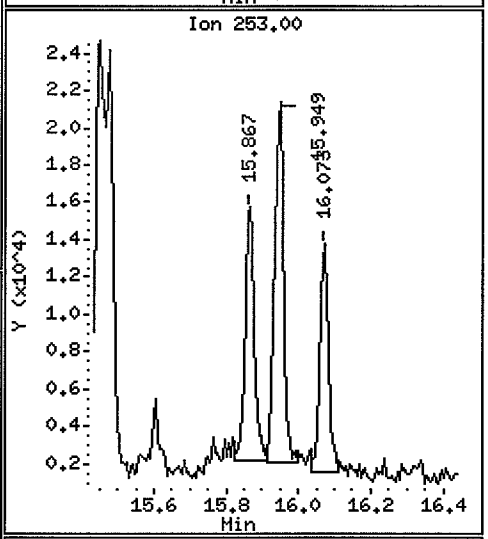


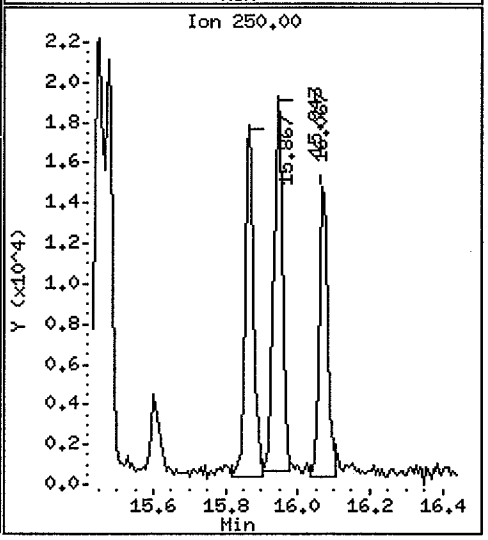












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

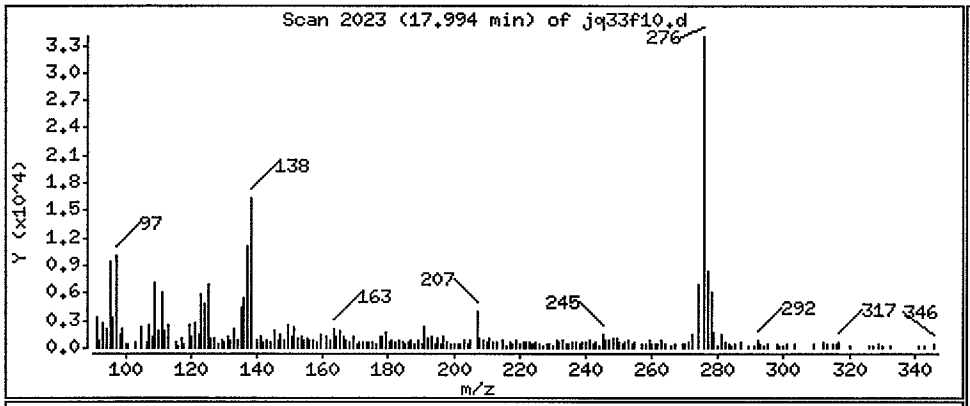
Operator: VTS

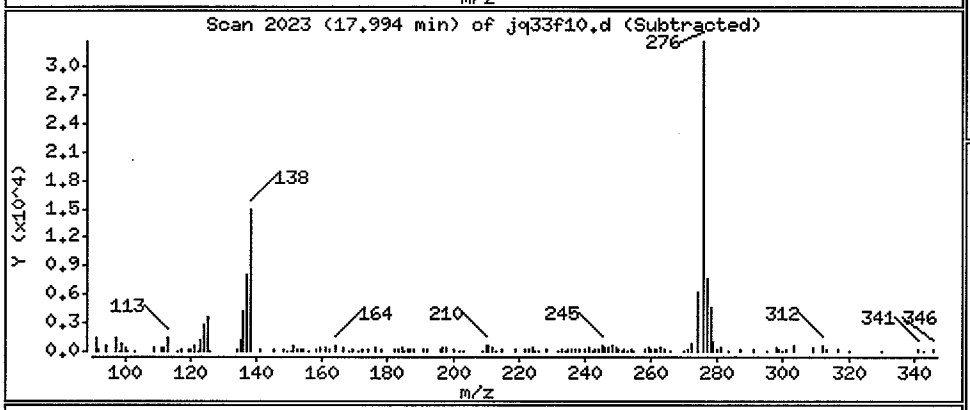
Column phase: ZB-5

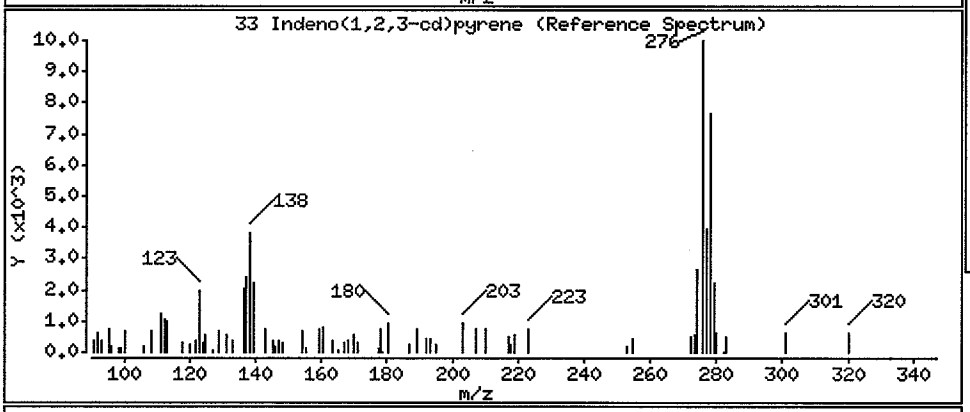
Column diameter: 0.25

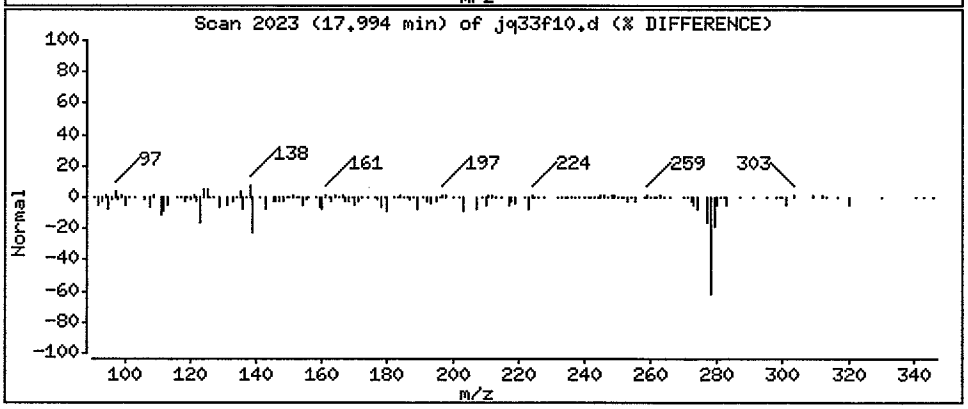
33 Indeno(1,2,3-cd)pyrene

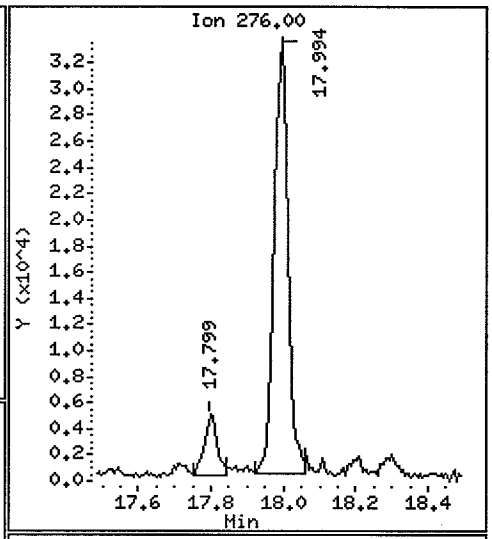
Concentration: 326.5 ug/kg

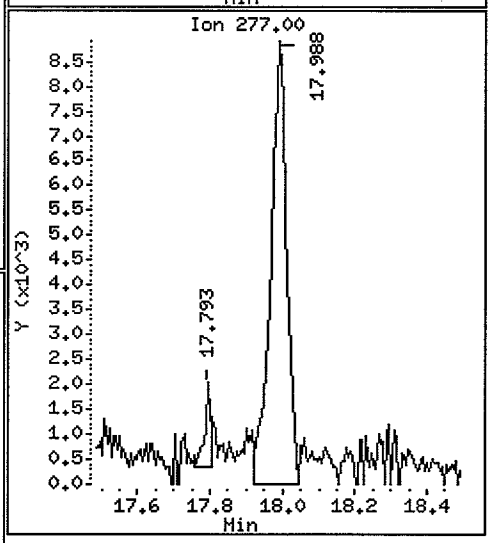












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

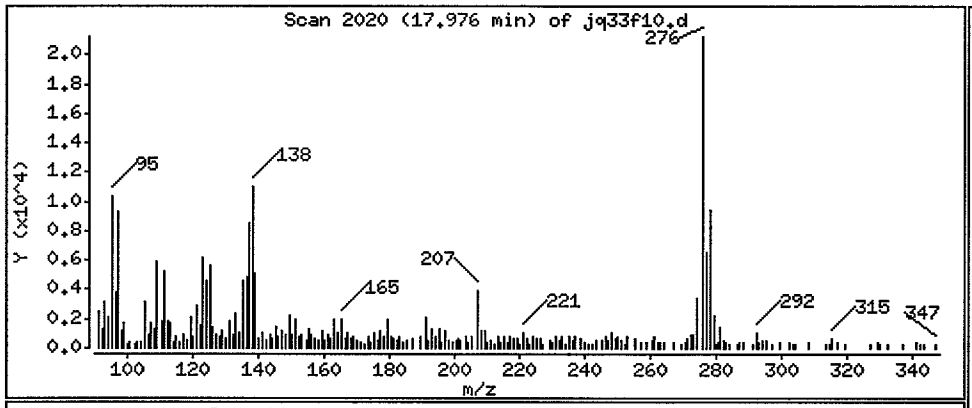
Operator: VTS

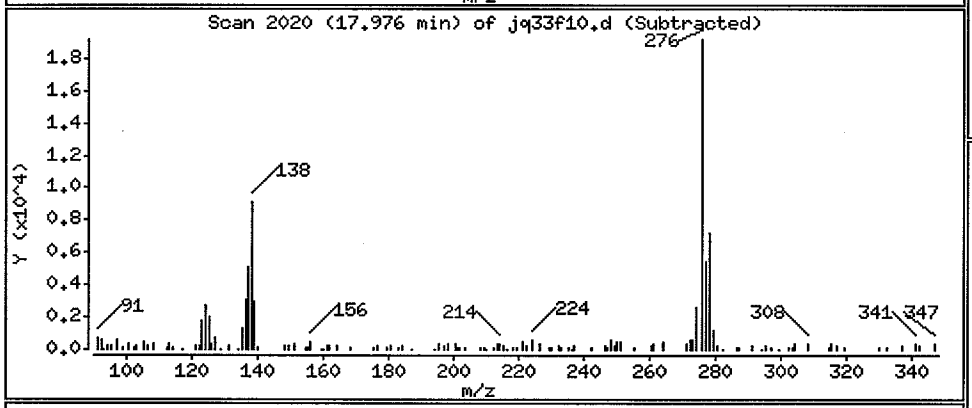
Column phase: ZB-5

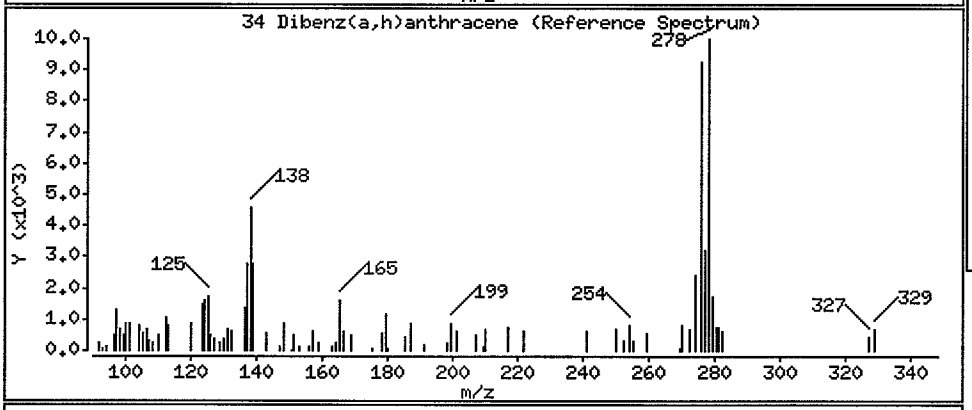
Column diameter: 0.25

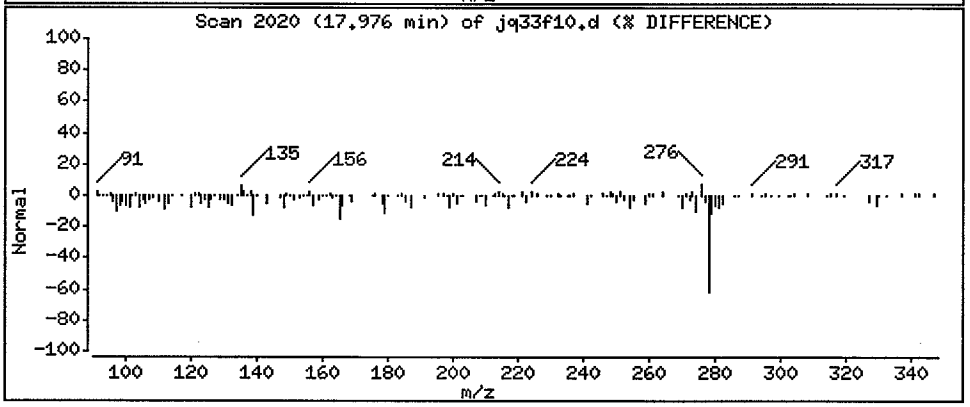
34 Dibenz(a,h)anthracene

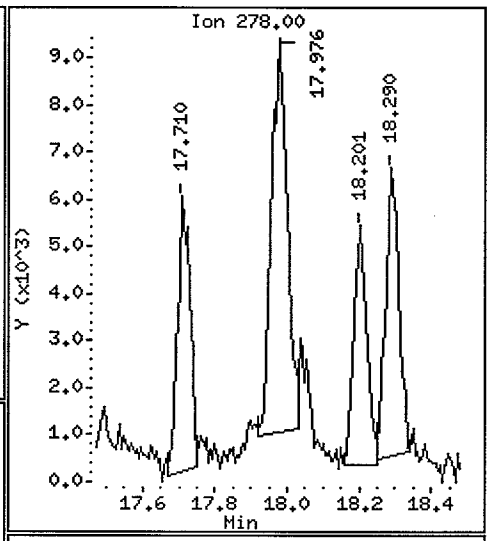
Concentration: 115.1 ug/kg

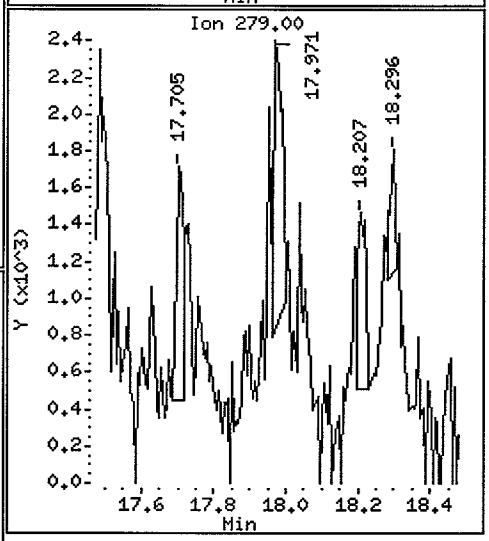












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

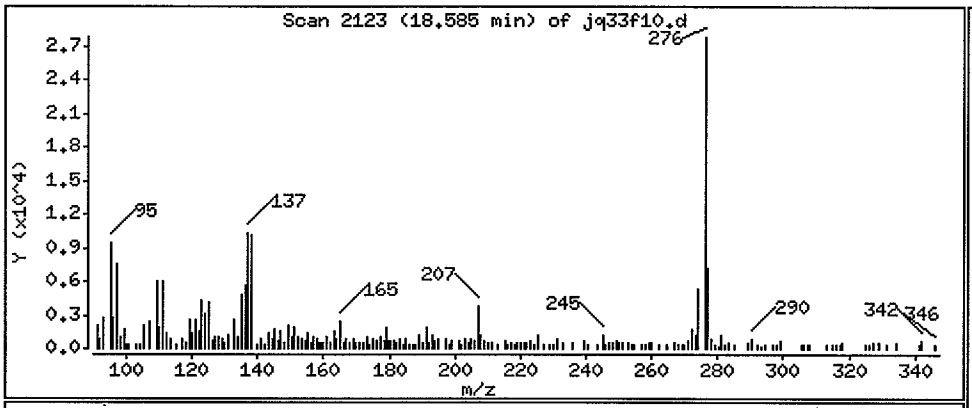
Operator: VTS

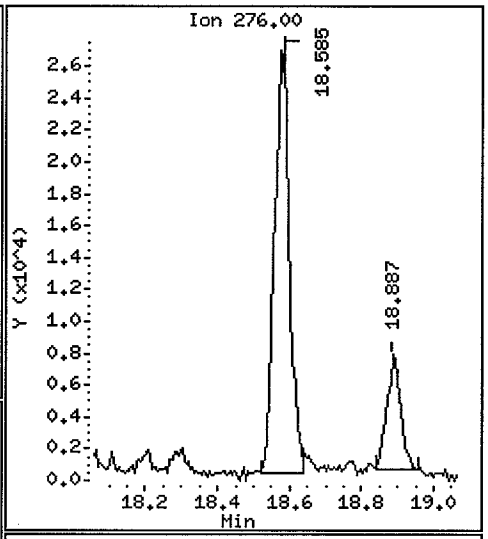
Column phase: ZB-5

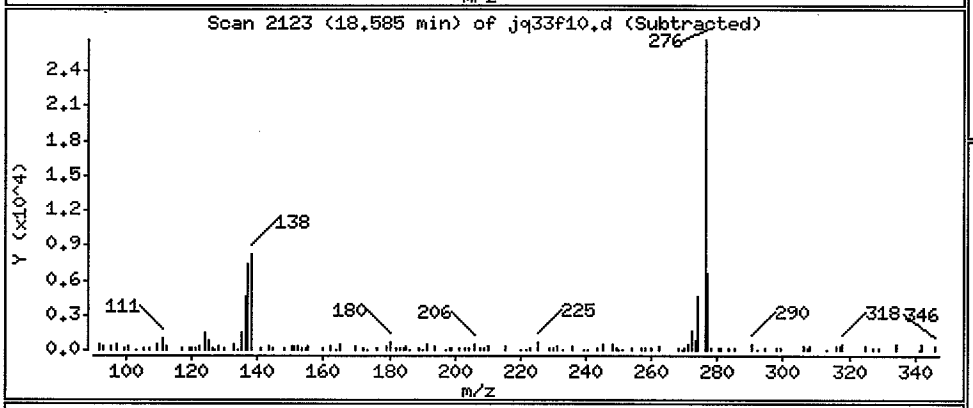
Column diameter: 0.25

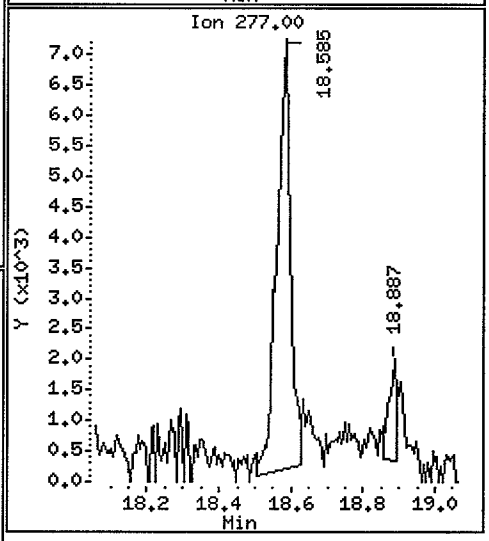
35 Benzo(g,h,i)perylene

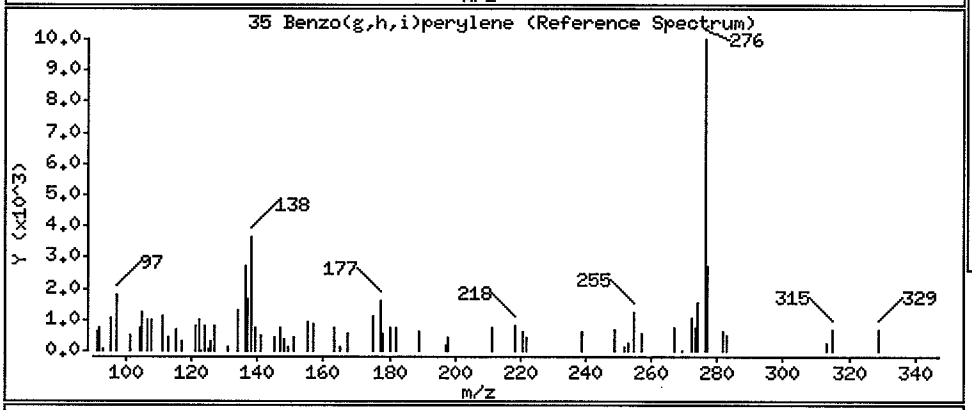
Concentration: 350.6 ug/kg

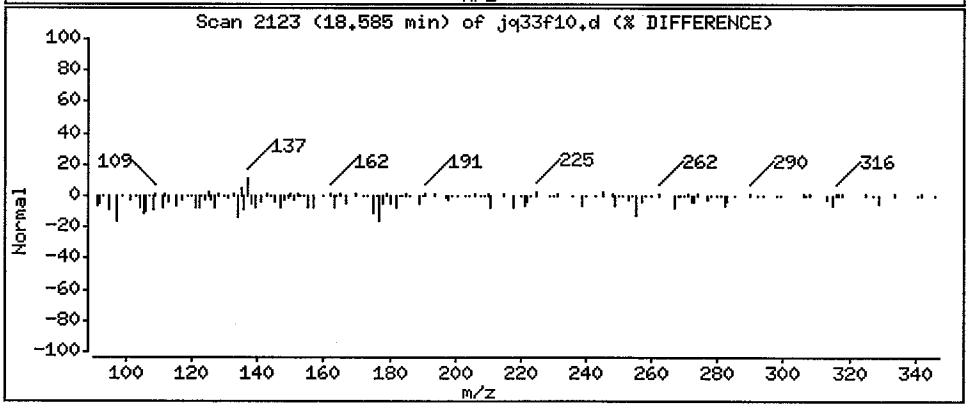












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

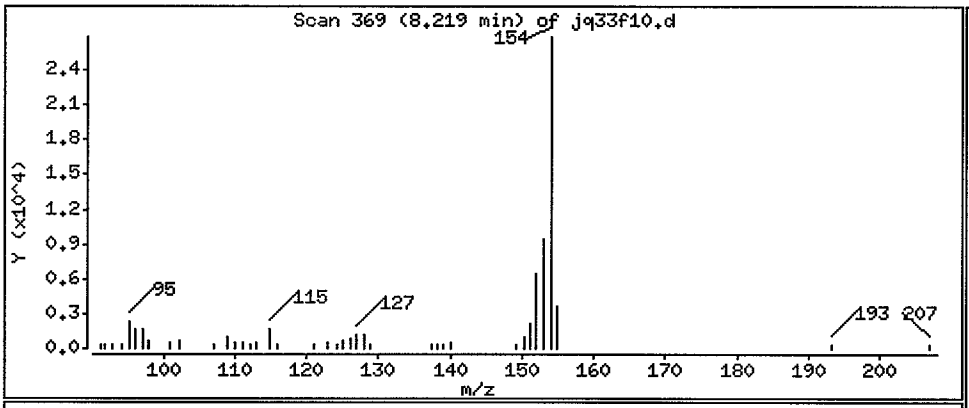
Operator: VTS

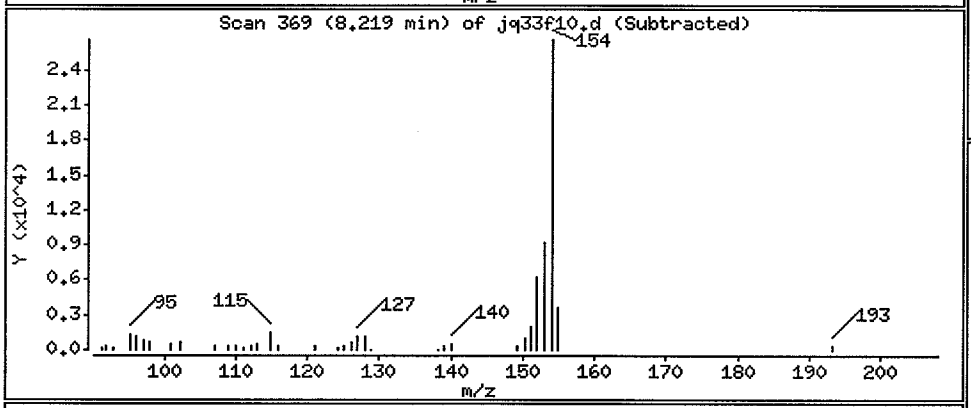
Column phase: ZB-5

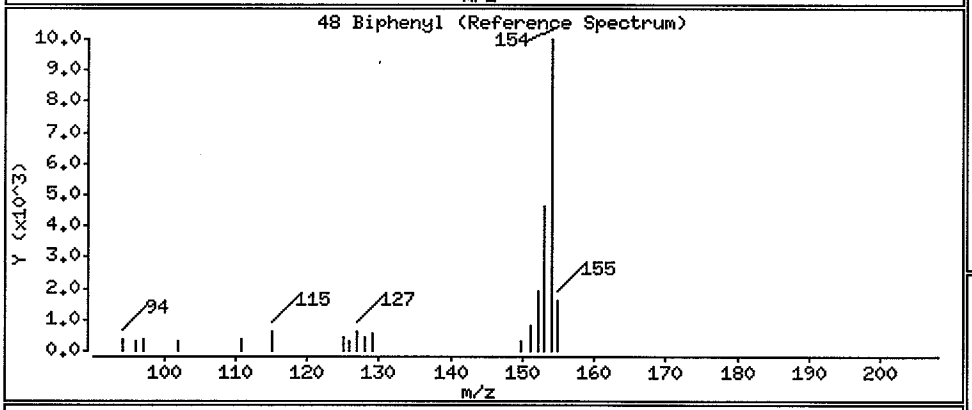
Column diameter: 0.25

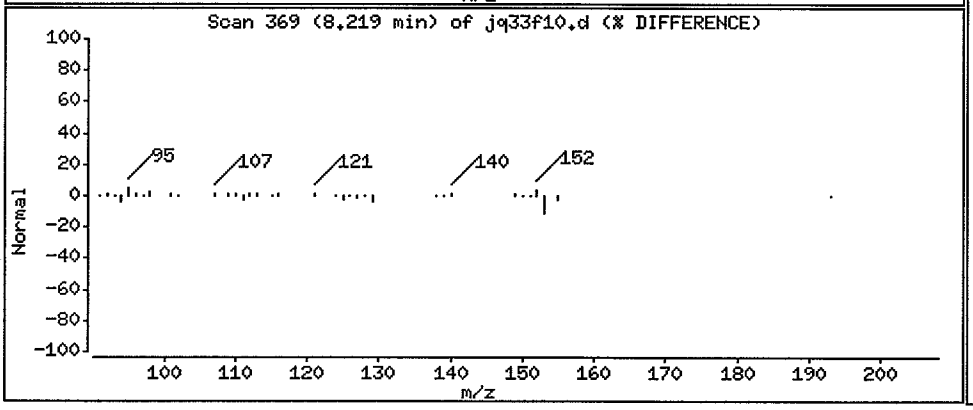
48 Biphenyl

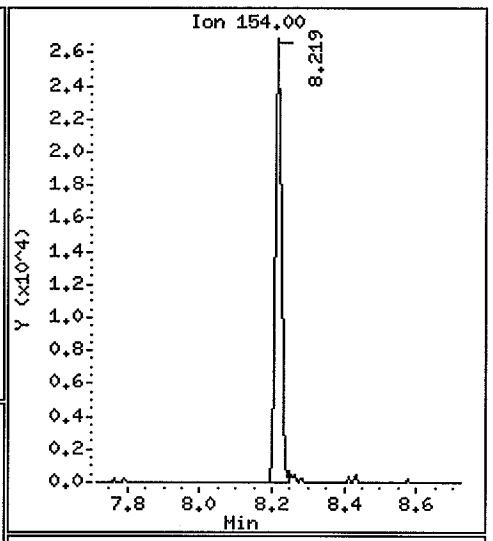
Concentration: 154.6 ug/kg

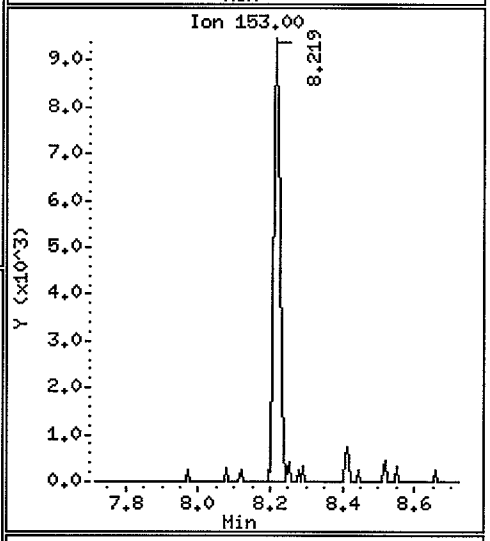


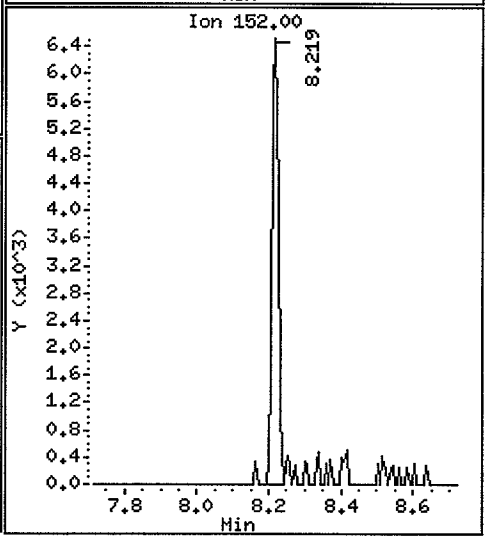












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

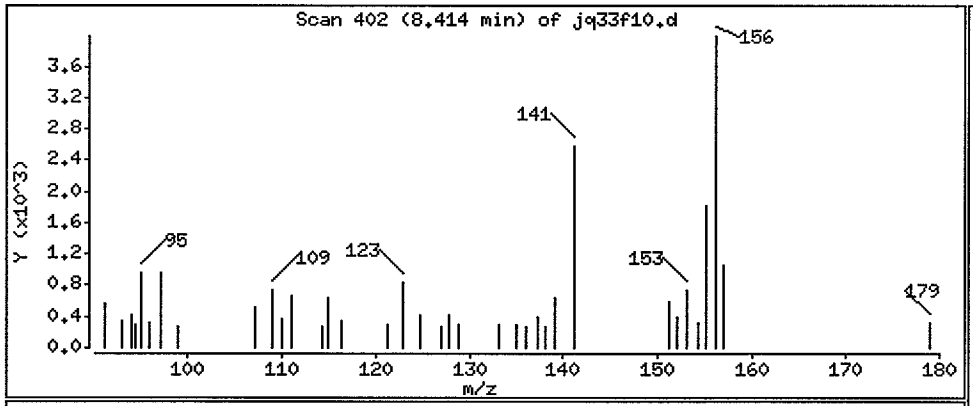
Operator: VTS

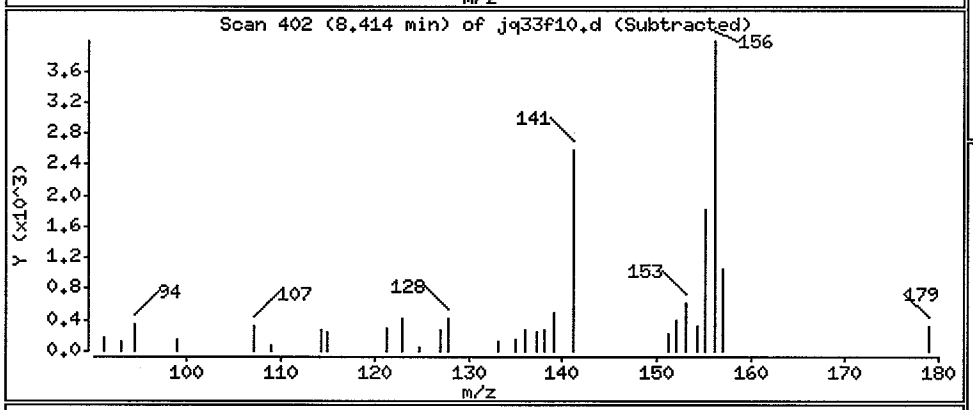
Column phase: ZB-5

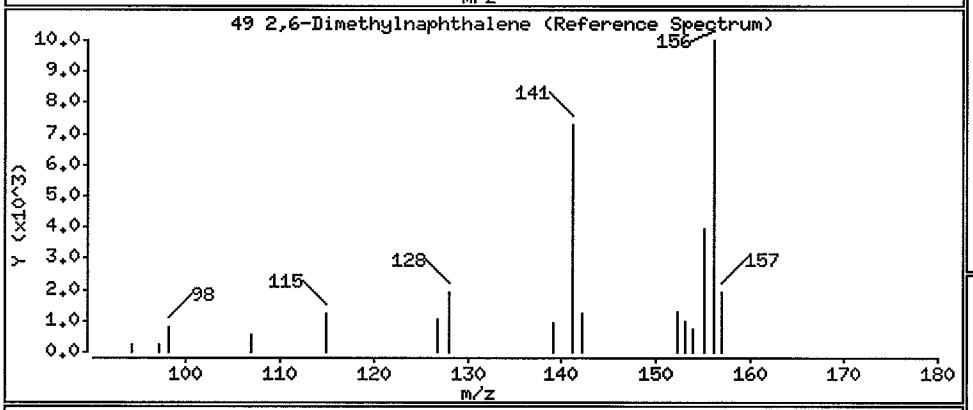
Column diameter: 0.25

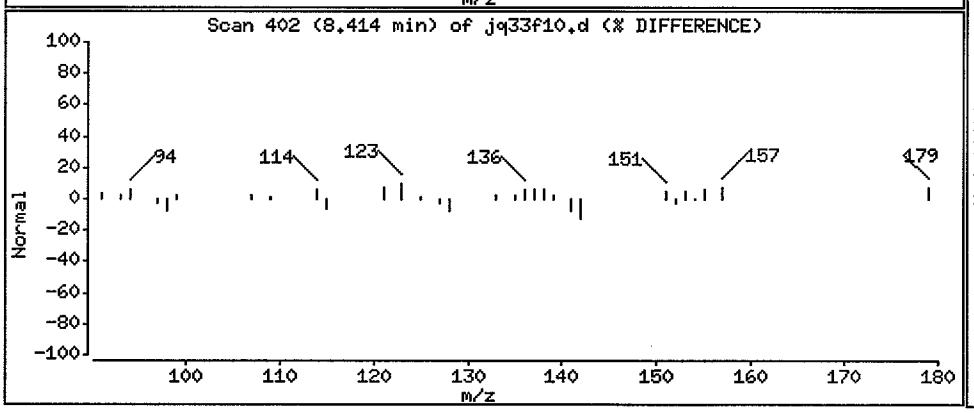
49 2,6-Dimethylnaphthalene

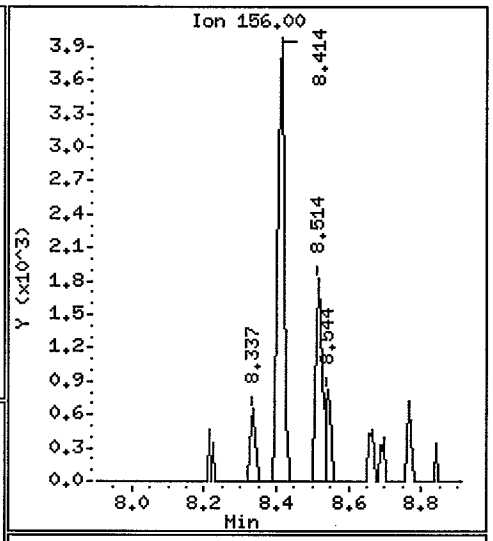
Concentration: 32.90 ug/kg

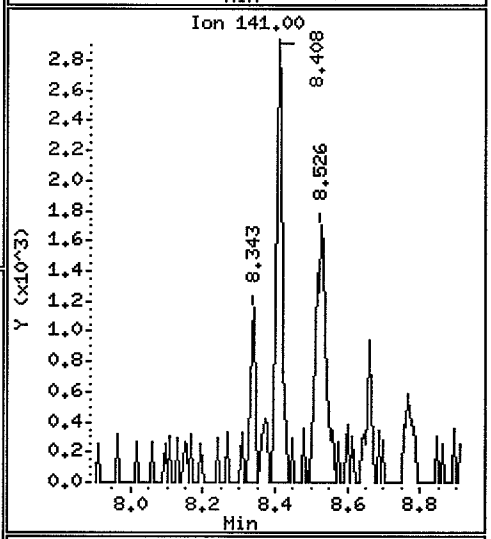


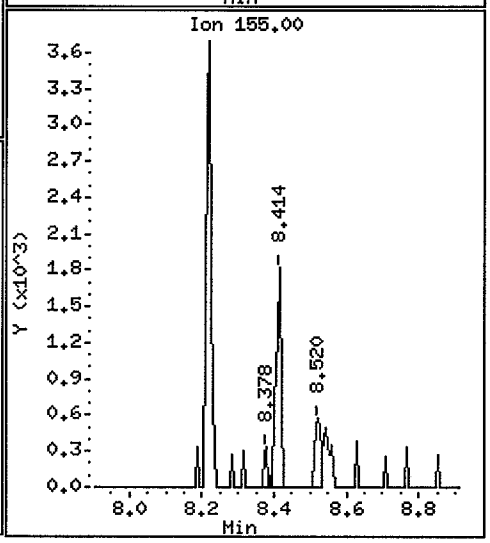












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

Operator: VTS

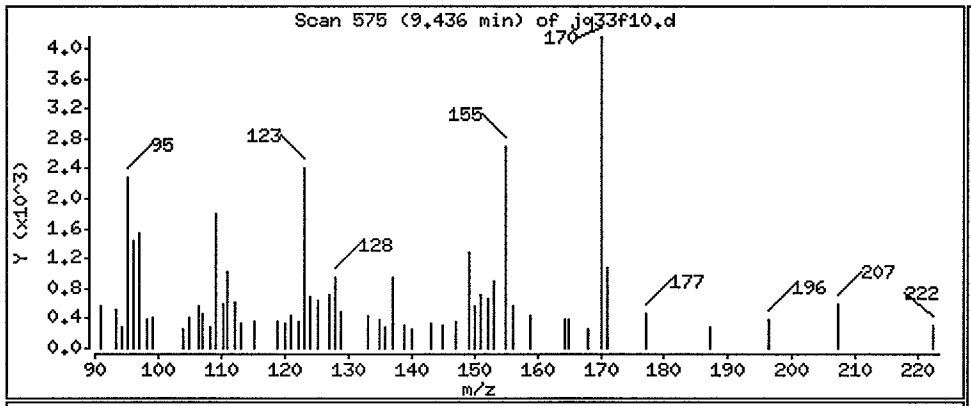
Column phase: ZB-5

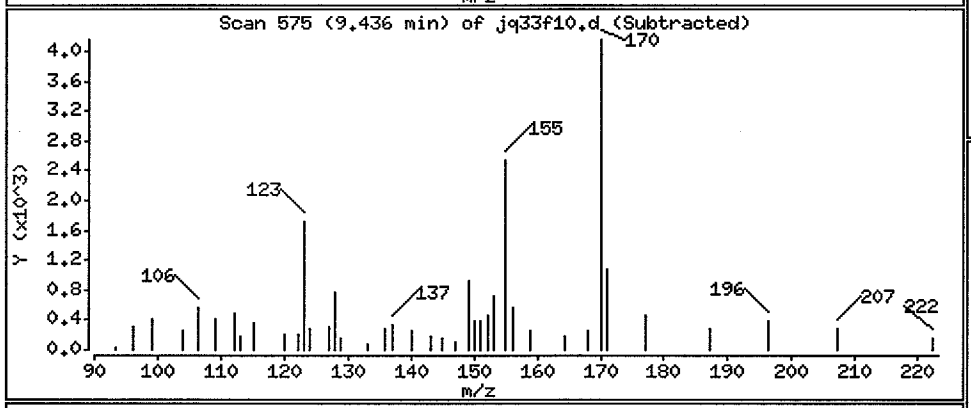
Column diameter: 0.25

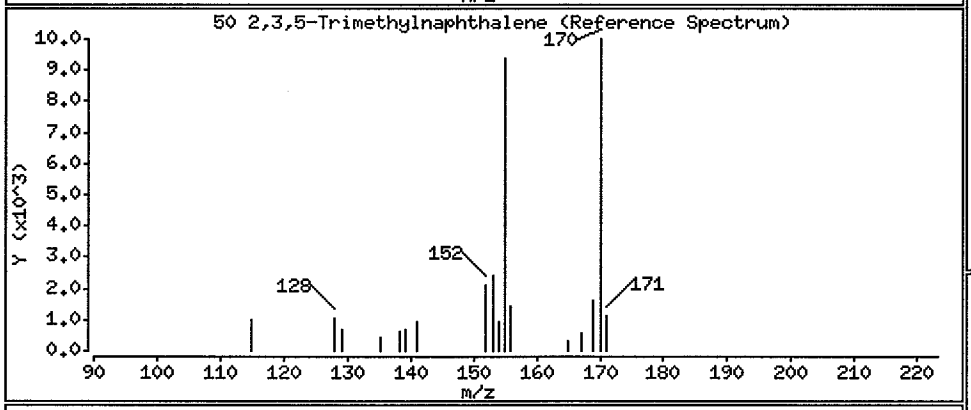
50 2,3,5-Trimethylnaphthalene

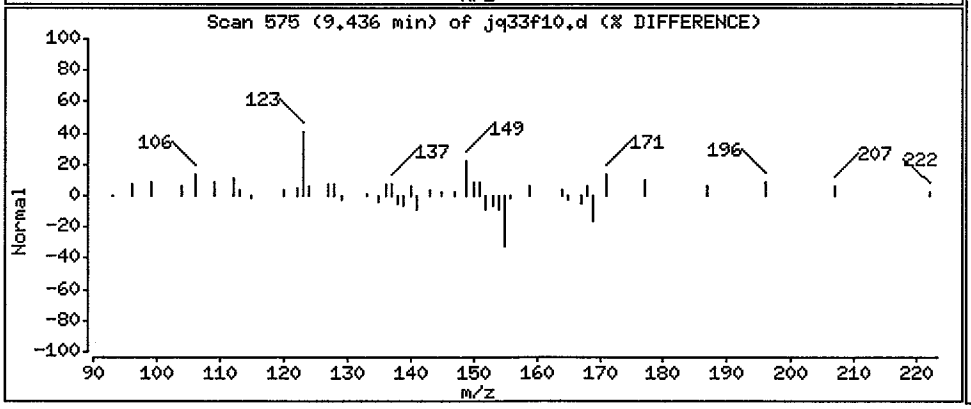
Concentration: 40.37 ug/kg

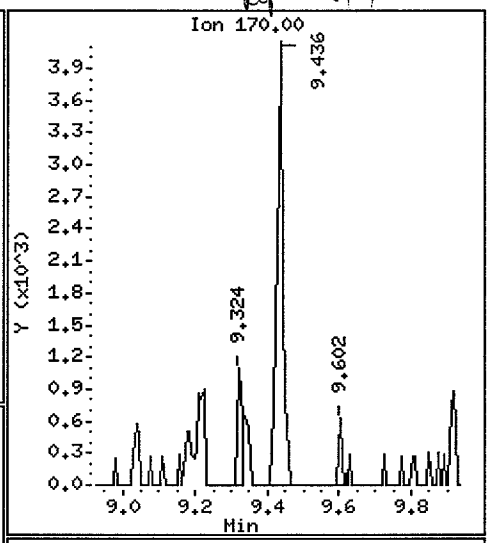
J LPL not reported 8/8/06

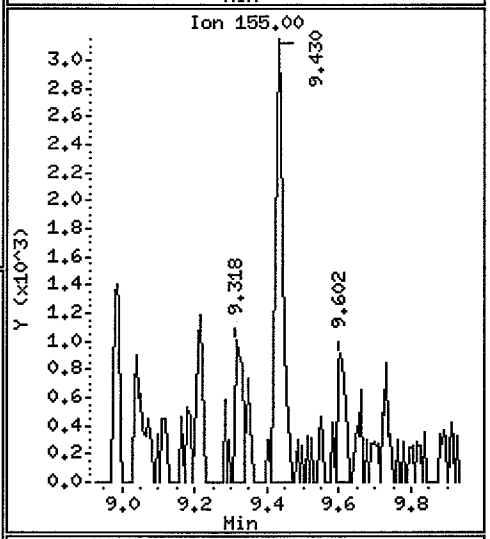


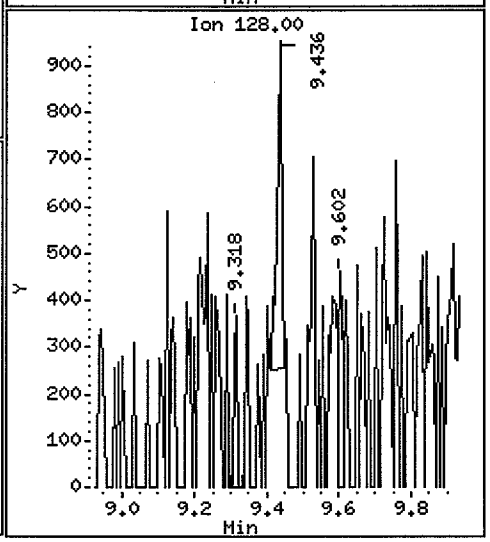












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

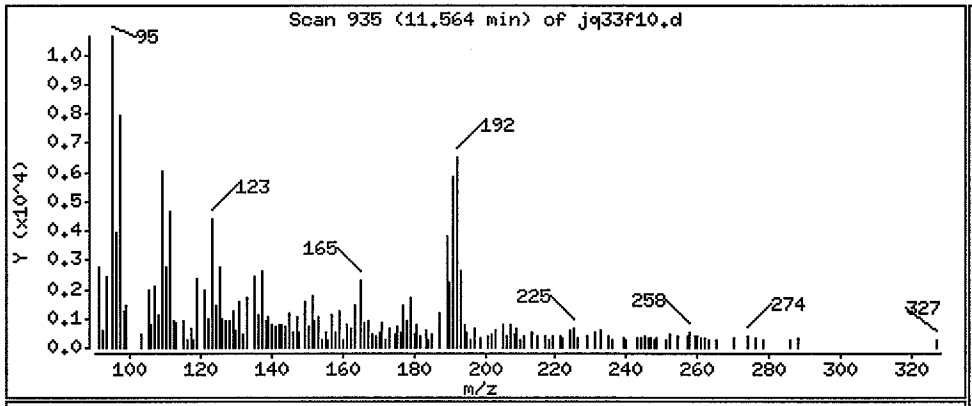
Operator: VTS

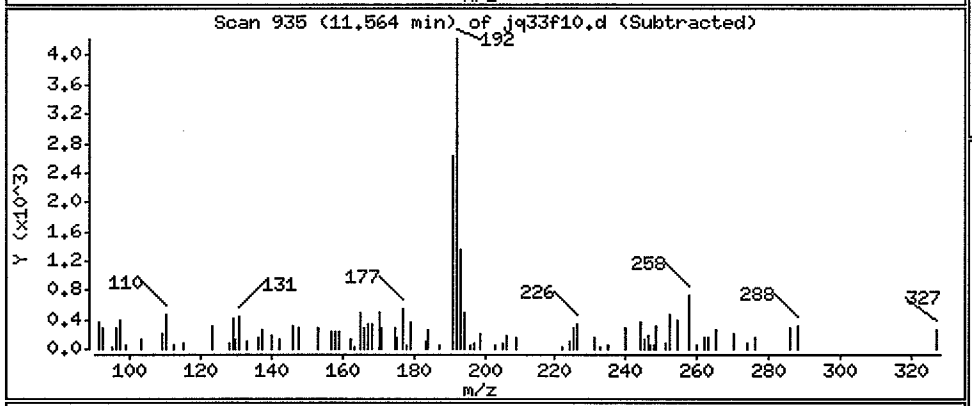
Column phase: ZB-5

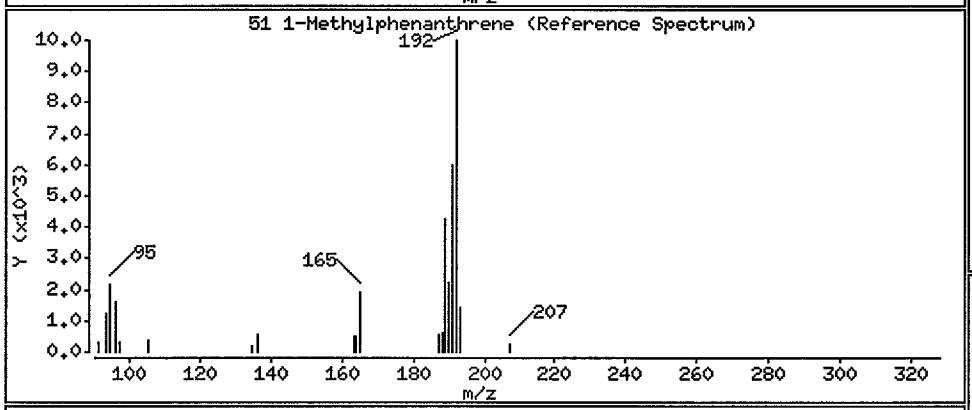
Column diameter: 0.25

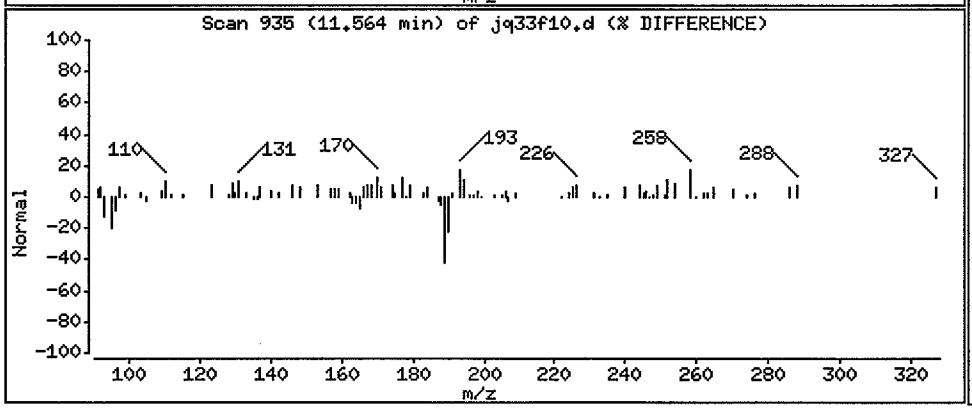
51 1-Methylphenanthrene

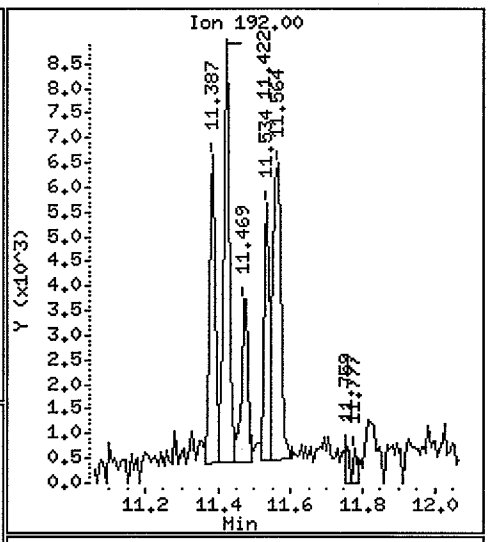
Concentration: 52.32 ug/kg

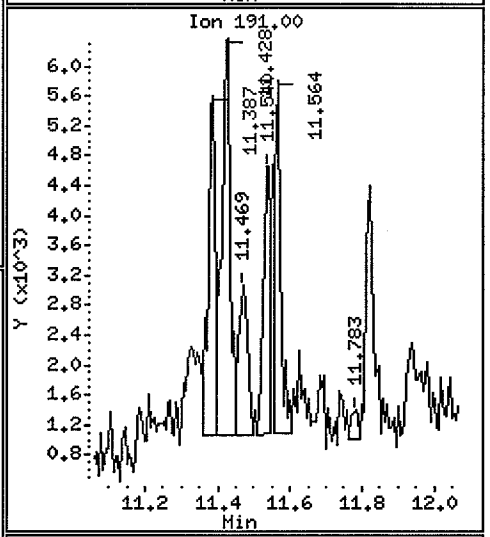


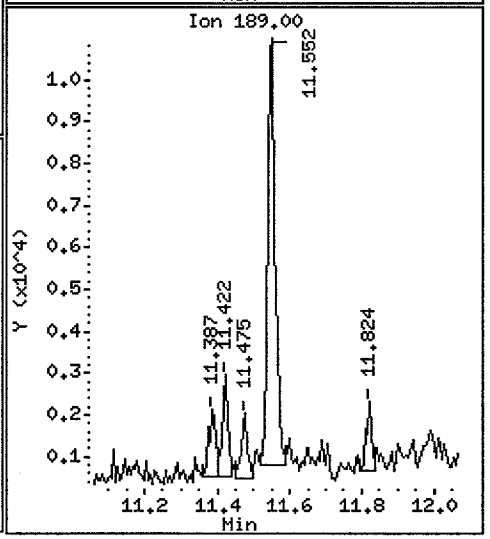












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

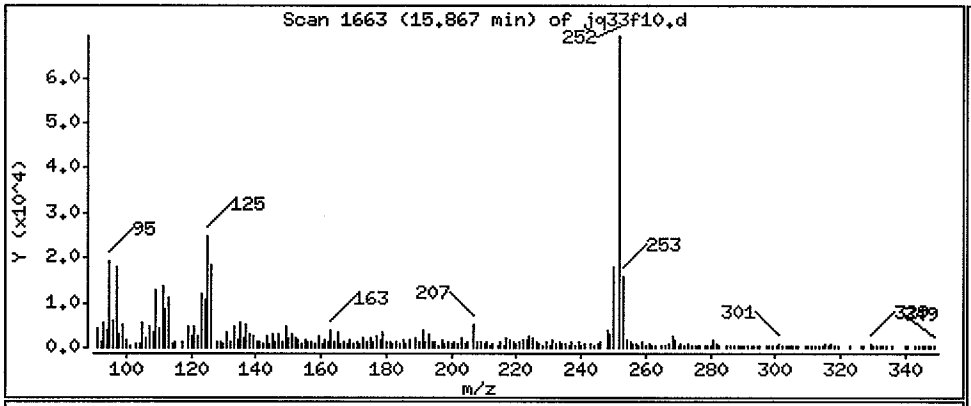
Operator: VTS

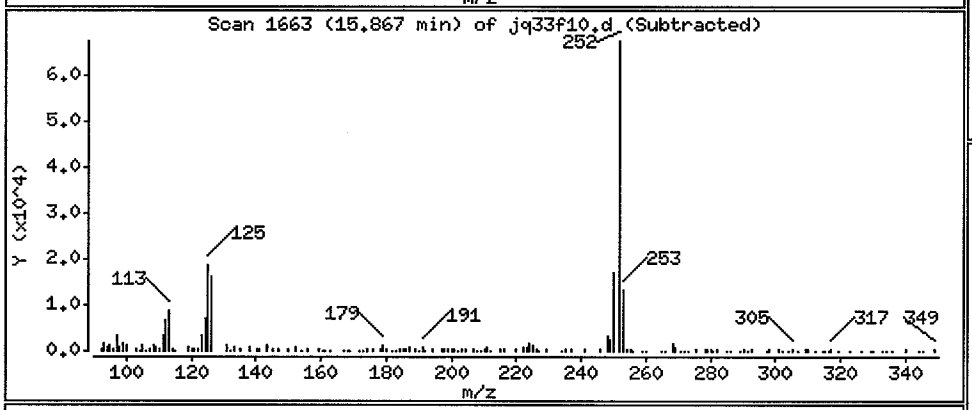
Column phase: ZB-5

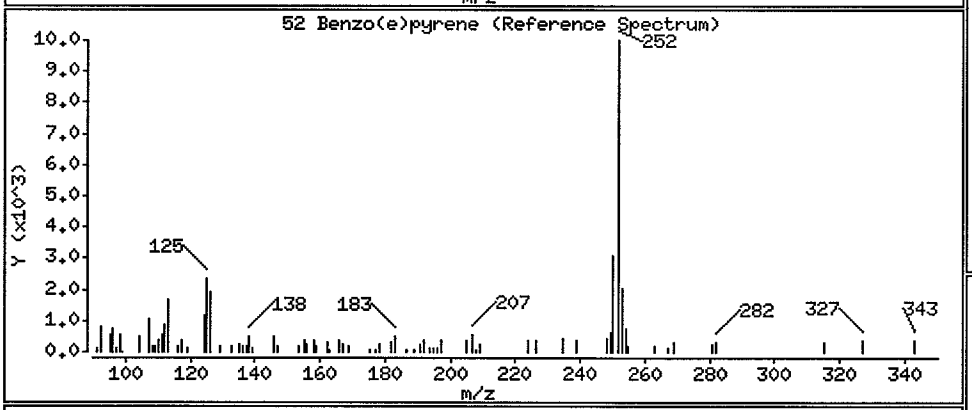
Column diameter: 0.25

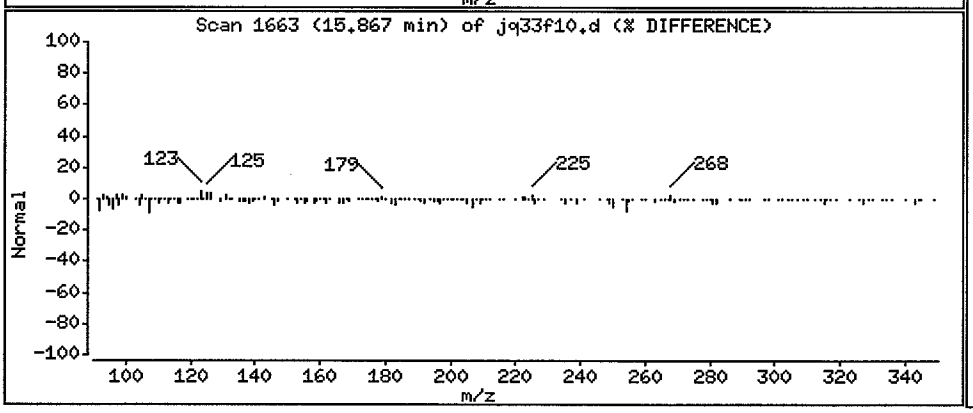
52 Benzo(e)pyrene

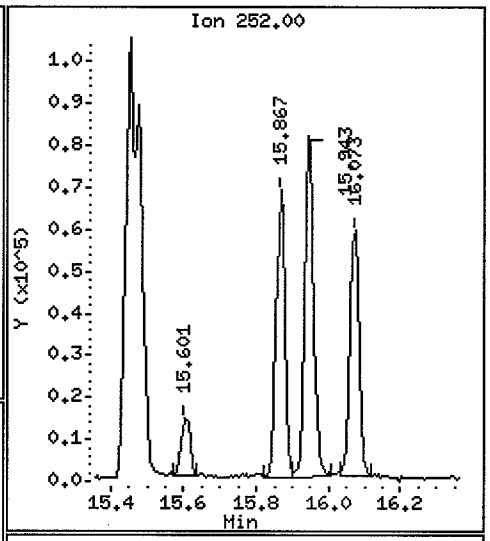
Concentration: 440.0 ug/kg

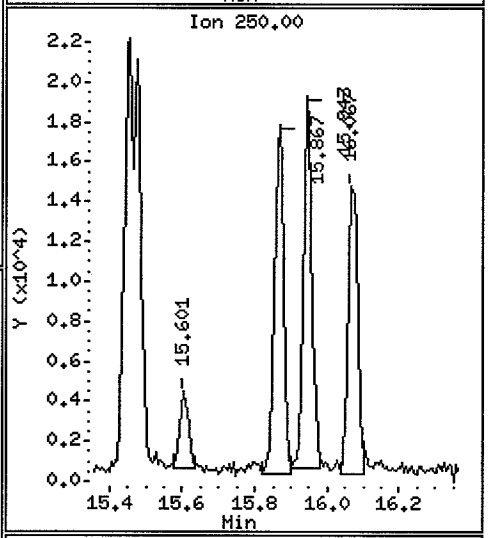


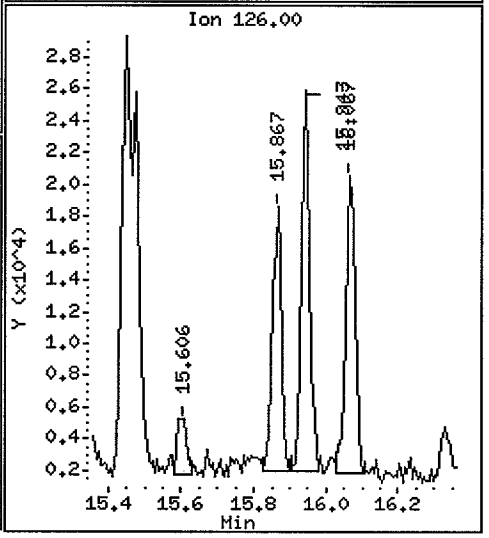












Data File: /chem3/nt1.i/20060804.b/jq33f10.d

Date : 04-AUG-2006 17:26

Client ID: T4-B414-02-C

Instrument: nt1.i

Sample Info: JQ33F,10

Volume Injected (uL): 1.0

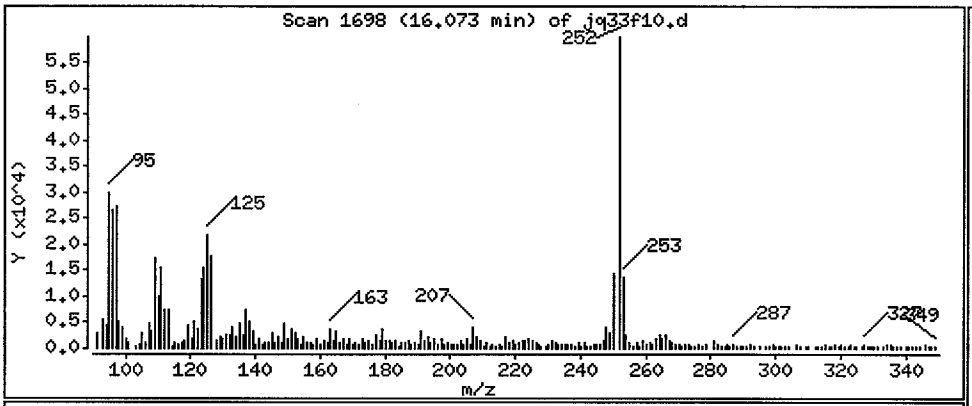
Operator: VTS

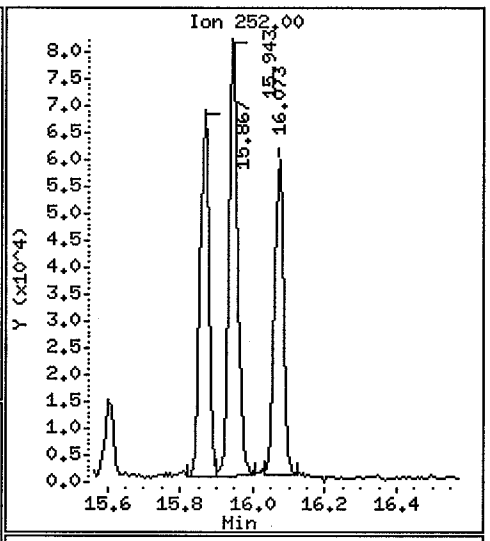
Column phase: ZB-5

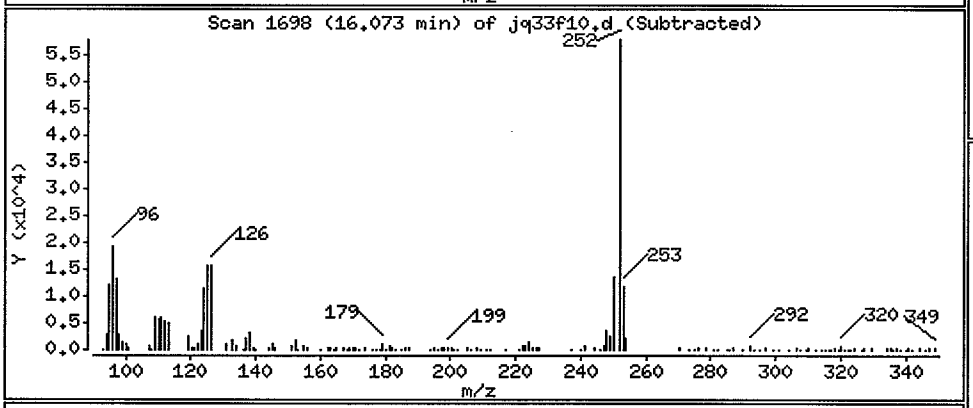
Column diameter: 0.25

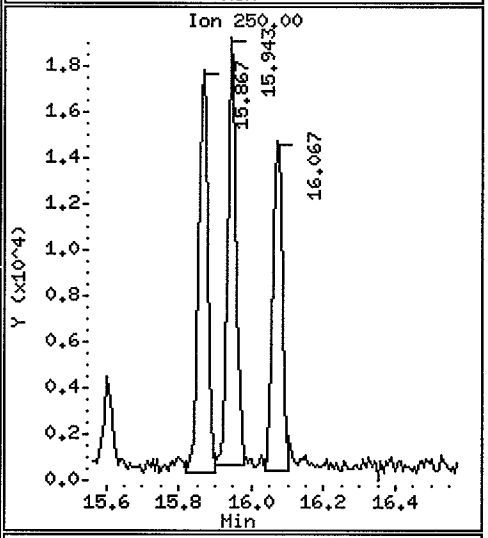
53 Perylene

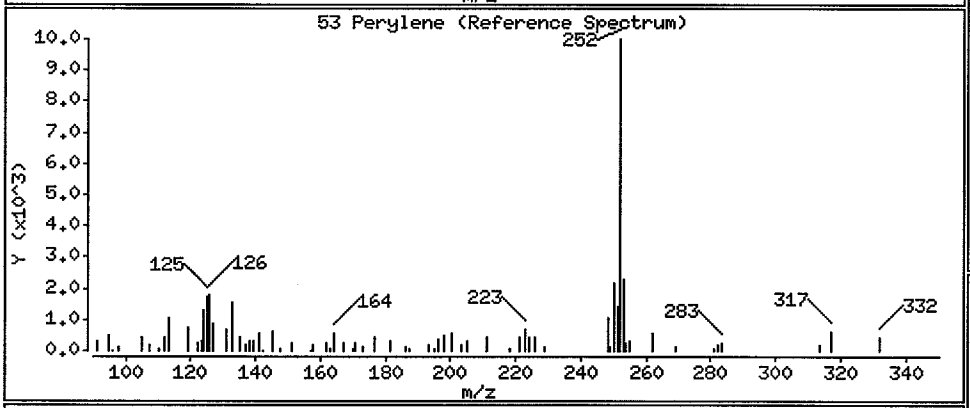
Concentration: 413.1 ug/kg

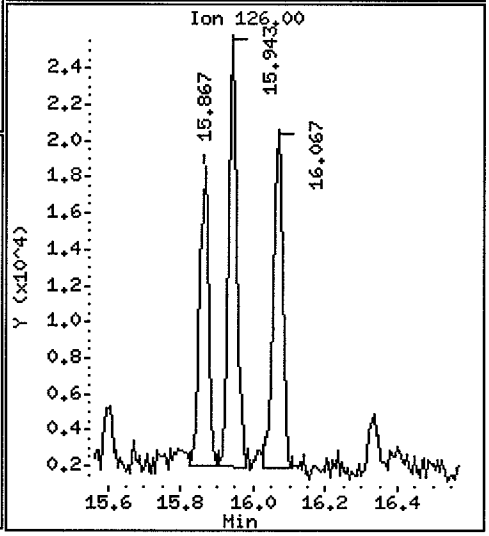


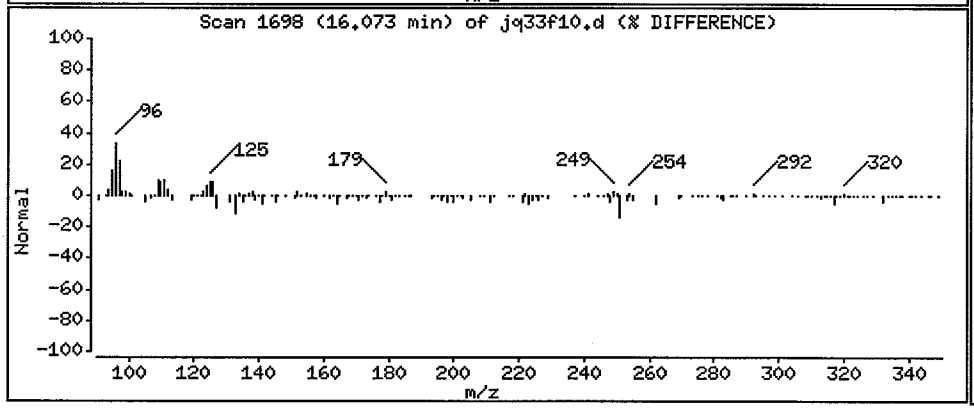












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-03-A
SAMPLE

Lab Sample ID: JQ33G
LIMS ID: 06-12929
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 17:51
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.0 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 49.8%
pH: 7.1

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	**50**	**65**	
91-57-6	**2-Methylnaphthalene**	**50**	**60**	
90-12-0	**1-Methylnaphthalene**	**50**	**30**	**J**
208-96-8	Acenaphthylene	50	< 50	U
83-32-9	**Acenaphthene**	**50**	**210**	
86-73-7	**Fluorene**	**50**	**150**	
85-01-8	**Phenanthrene**	**50**	**1,300**	**B**
120-12-7	**Anthracene**	**50**	**230**	
206-44-0	**Fluoranthene**	**50**	**2,700**	
129-00-0	**Pyrene**	**50**	**2,000**	
56-55-3	**Benzo(a)anthracene**	**50**	**1,300**	
218-01-9	**Chrysene**	**50**	**1,800**	
205-99-2	**Benzo(b)fluoranthene**	**50**	**2,100**	
207-08-9	**Benzo(k)fluoranthene**	**50**	**1,500**	
50-32-8	**Benzo(a)pyrene**	**50**	**1,600**	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**50**	**910**	
53-70-3	**Dibenz(a,h)anthracene**	**50**	**380**	
191-24-2	**Benzo(g,h,i)perylene**	**50**	**950**	
198-55-0	**Perylene**	**50**	**620**	
92-52-4	Biphenyl	50	< 50	U
581-42-0	2,6-Dimethylnaphthalene	50	< 50	U
832-69-9	**1-Methylphenanthrene**	**50**	**65**	
192-97-2	**Benzo(e)pyrene**	**50**	**1,200**	
2245-38-7	2,3,5-Trimethylnaphthalene	50	< 50	U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	73.0%
d14-Dibenzo(a,h)anthracen	70.3%

YZ 8/7/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33g10.d
Lab Smp Id: JQ33G Client Smp ID: T4-B414-03-A
Inj Date : 04-AUG-2006 17:51
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33G,10
Misc Info : 06-12929
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 19
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	19.90000	Weight of sample extracted (g)
M	49.80000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.885	6.883	(1.000)	267089	2.00000	
	2 Naphthalene	128	6.908	6.907	(1.003)	17389	0.13053	65.33
$	3 2-Methylnaphthalene-d10	152	7.641	7.640	(1.110)	15060	0.21892	109.6
	4 2-Methylnaphthalene	142	7.683	7.681	(1.116)	9840	0.12472	62.42
	5 1-Methylnaphthalene	142	7.813	7.811	(1.135)	4801	0.05801 J	29.04
	7 Acenaphthylene	152	Compound Not Detected.					
*	8 Acenaphthene-d10	164	8.947	8.946	(1.000)	148727	2.00000	
	9 Acenaphthene	153	8.989	8.987	(1.005)	30715	0.42060	210.5
	10 Dibenzofuran	168	9.178	9.170	(1.026)	15003	0.13948	69.81
	11 Fluorene	166	9.597	9.596	(1.073)	25047	0.29911	149.7
*	15 Phenanthrene-d10	188	10.762	10.760	(1.000)	233614	2.00000	
	16 Phenanthrene	178	10.791	10.790	(1.003)	318765	2.65836 B	1331
	17 Anthracene	178	10.844	10.843	(1.008)	54936	0.45845	229.5
	19 Fluoranthene	202	12.281	12.279	(1.141)	662149	5.41389	2710

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	20 Pyrene	202	12.570	12.569	(0.893)	559418	4.07900	2042
	22 Benzo(a)anthracene	228	14.054	14.052	(0.998)	335783	2.61077	1307
*	23 Chrysene-d12	240	14.077	14.070	(1.000)	213580	2.00000	
	24 Chrysene	228	14.107	14.105	(1.002)	437508	3.68805	1846
	28 Benzo(b)fluoranthene	252	15.448	15.447	(0.964)	496919	4.17298	2089
	29 Benzo(k)fluoranthene	252	15.478	15.476	(0.965)	392141	3.08892	1546
	30 Benzo(a)pyrene	252	15.945	15.938	(0.994)	382910	3.30004	1652
*	31 Perylene-d12	264	16.034	16.026	(1.000)	210994	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.996	17.988	(1.122)	242686	1.81874	910.3
$	32 Dibenz(a,h)anthrancene-d14	292	17.919	17.906	(1.118)	17058	0.21125	105.7
	34 Dibenz(a,h)anthracene	278	17.984	17.976	(1.122)	81608	0.74864	374.7
	35 Benzo(g,h,i)perylene	276	18.581	18.562	(1.159)	211171	1.90381	952.9
	48 Biphenyl	154	Compound Not Detected.					
	49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
	50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
	51 1-Methylphenanthrene	192	11.565	11.564	(0.822)	11414	0.13056	65.35
	52 Benzo(e)pyrene	252	15.868	15.861	(0.990)	303556	2.36344	1183
	53 Perylene	252	16.069	16.068	(1.002)	150700	1.24965	625.5

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33g10.d
Lab Smp Id: JQ33G
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12929

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: T4-B414-03-A
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	267089	19.87
8 Acenaphthene-d10	123591	61796	247182	148727	20.34
15 Phenanthrene-d10	200797	100398	401594	233614	16.34
23 Chrysene-d12	171210	85605	342420	213580	24.75
31 Perylene-d12	183426	91713	366852	210994	15.03

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	0.00
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	0.00
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	0.00
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.00
31 Perylene-d12	16.03	15.53	16.53	16.03	0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

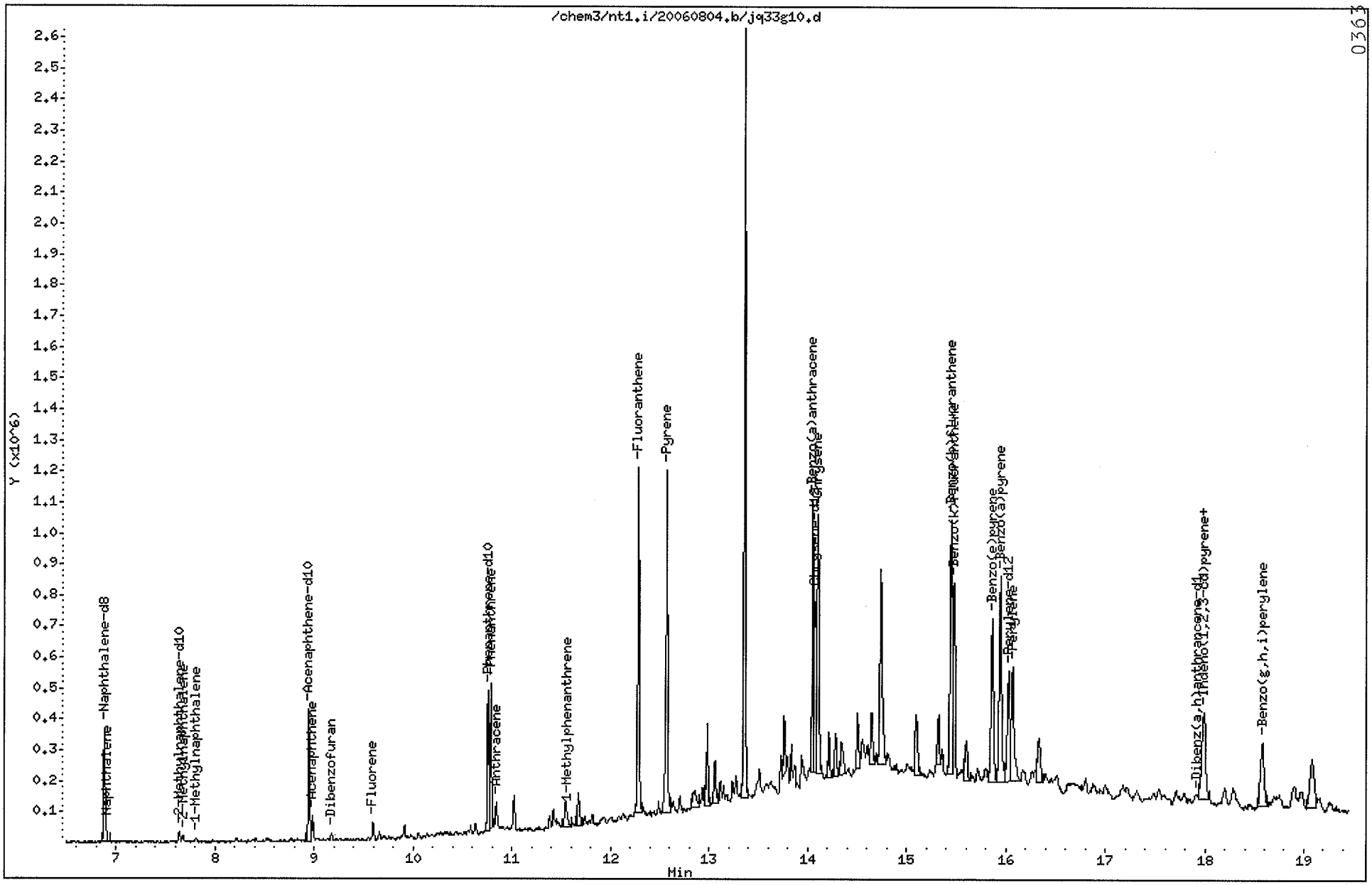
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33G
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12929

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-03-A
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	150.2	109.6	72.97	32-97
$ 32 Dibenz(a,h)anthran	150.2	105.7	70.42	21-105

Data File: /chem3/nt1.i/20060804.b/jq33g10.d
Date : 04-AUG-2006 17:51
Client ID: T4-B414-03-A
Sample Info: JQ33G,10
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

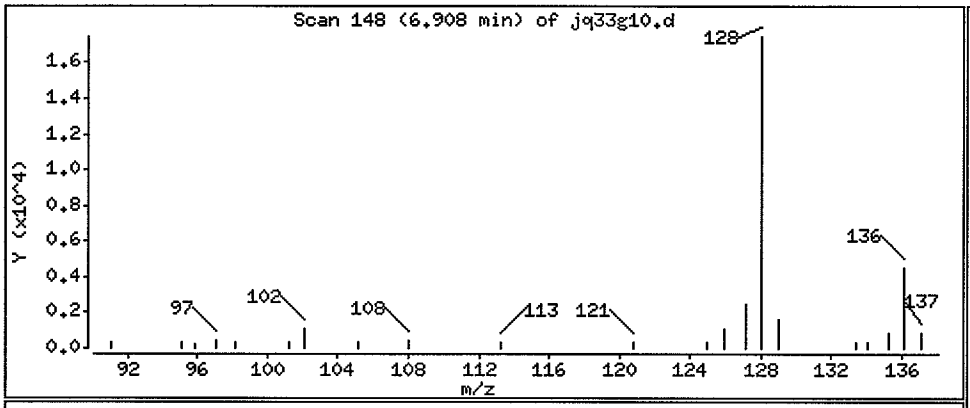
Operator: VTS

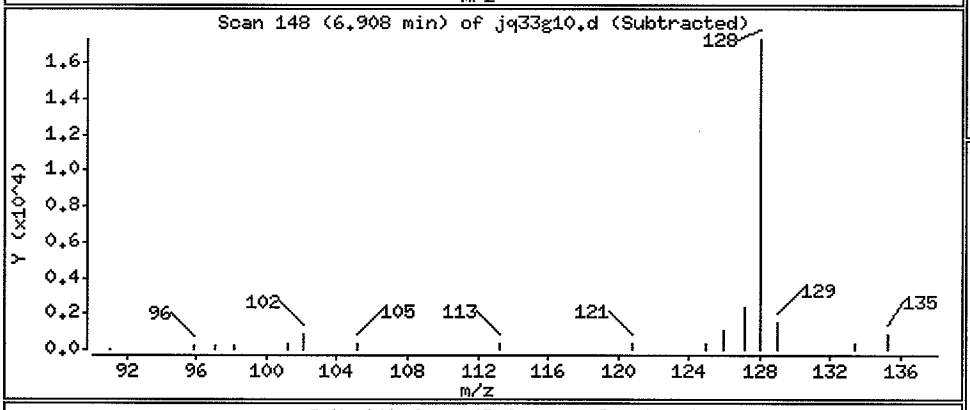
Column phase: ZB-5

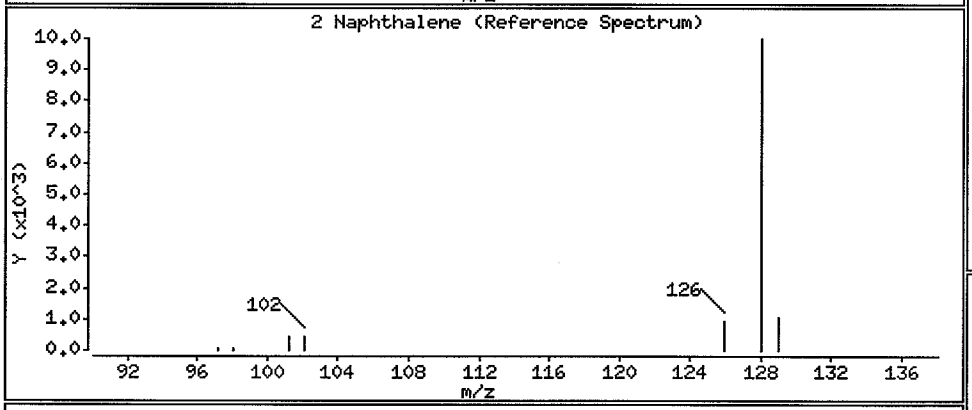
Column diameter: 0.25

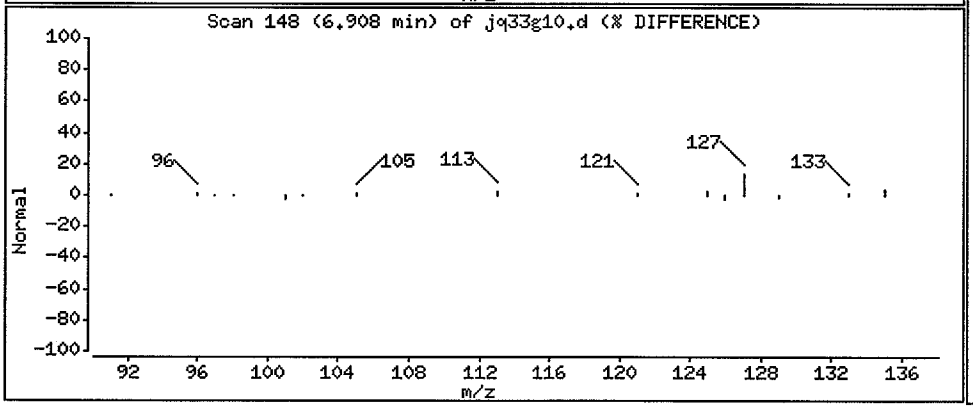
2 Naphthalene

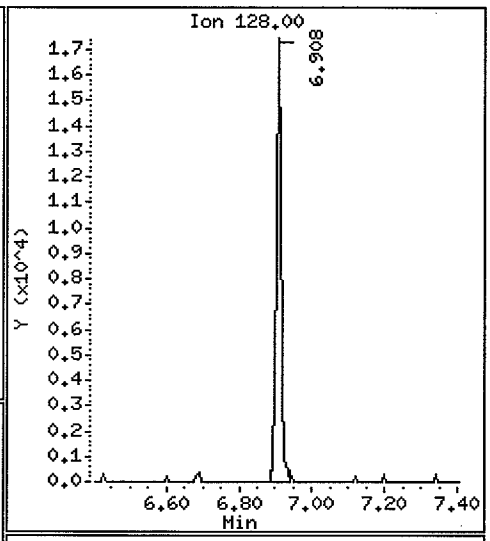
Concentration: 65.33 ug/kg

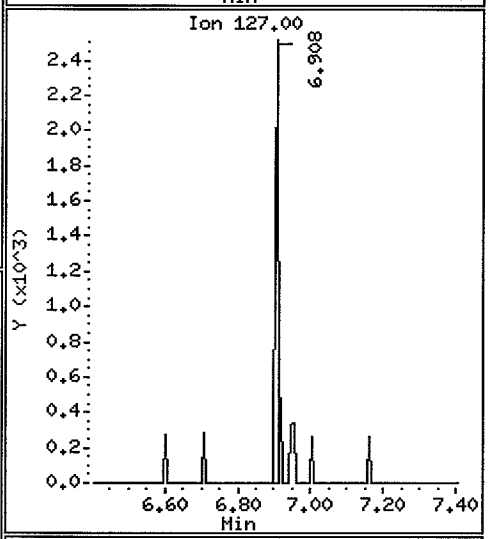


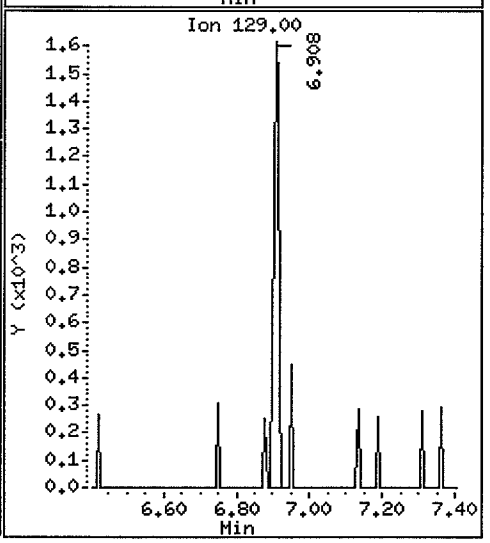












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

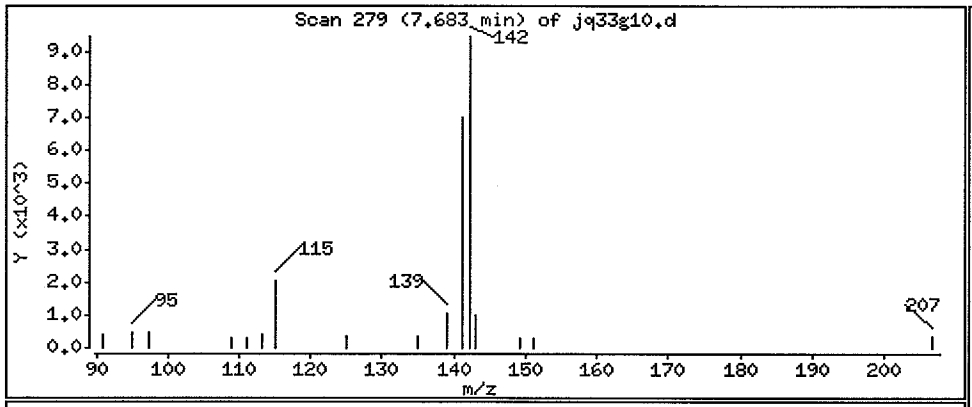
Operator: VTS

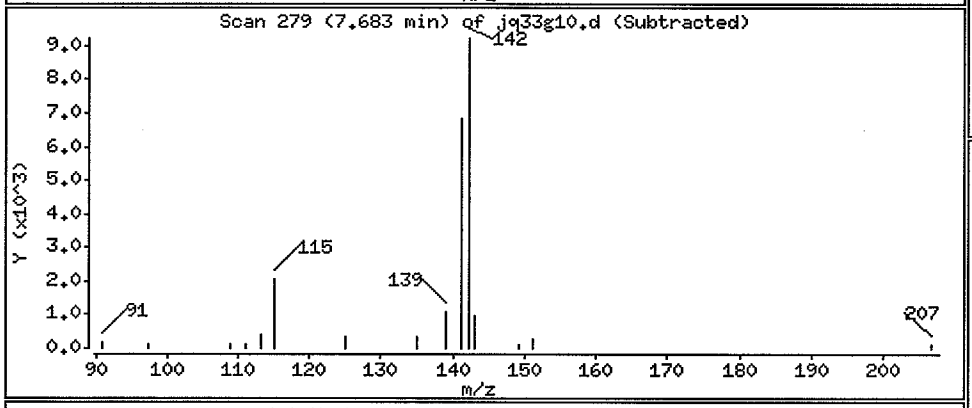
Column phase: ZB-5

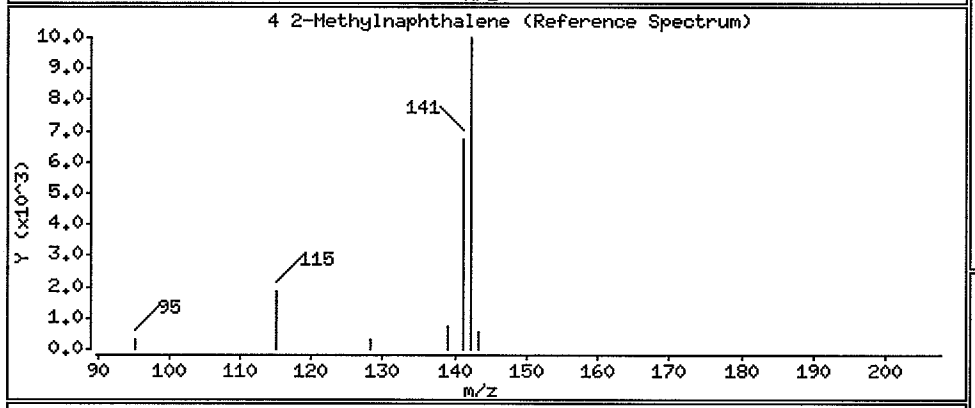
Column diameter: 0.25

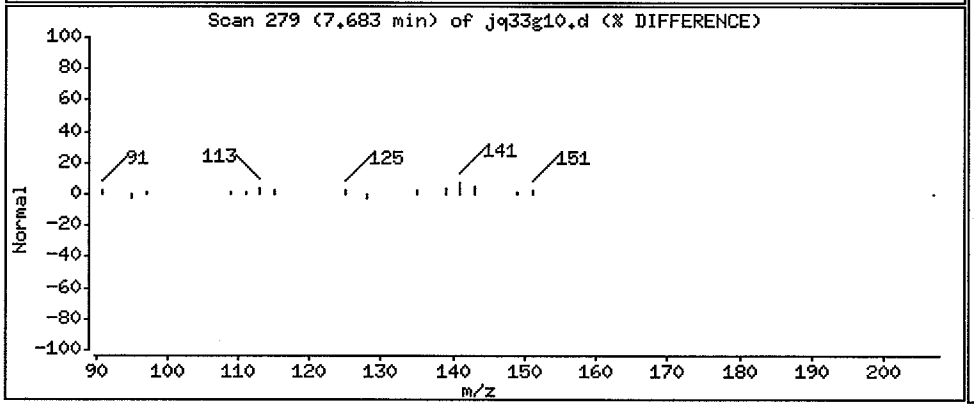
4 2-Methylnaphthalene

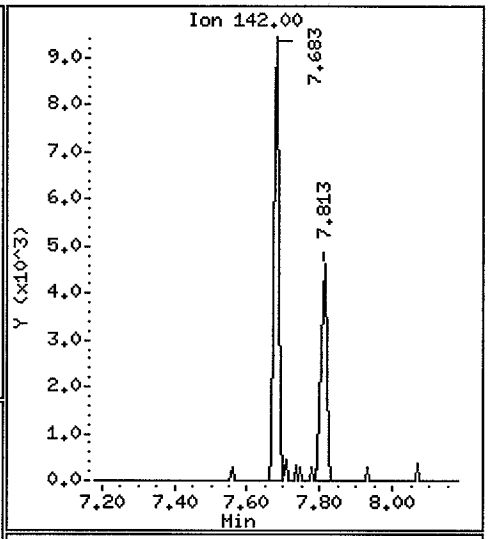
Concentration: 62.42 ug/kg

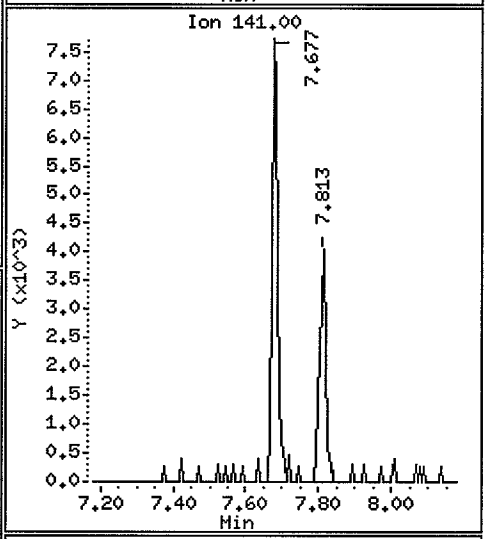


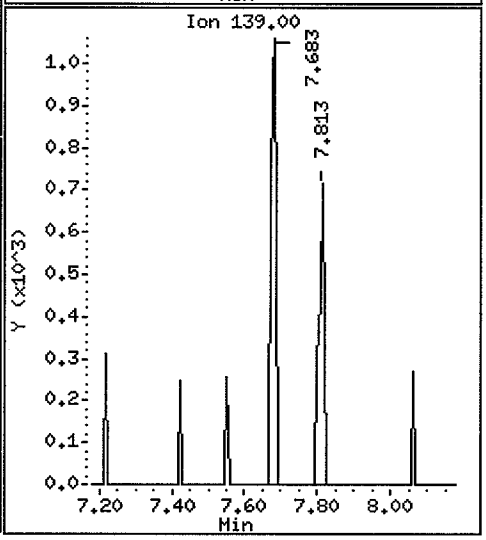












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

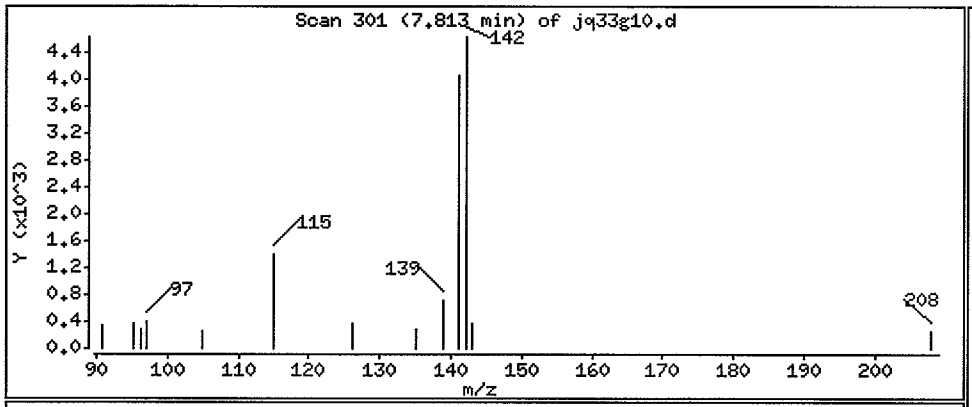
Operator: VTS

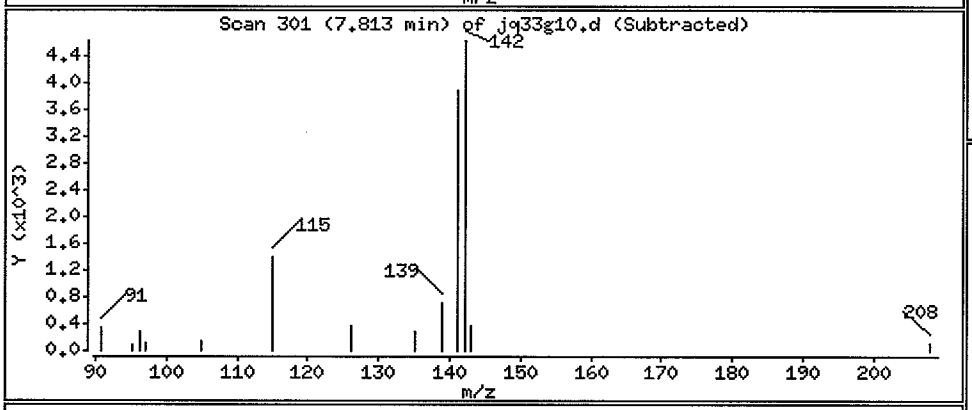
Column phase: ZB-5

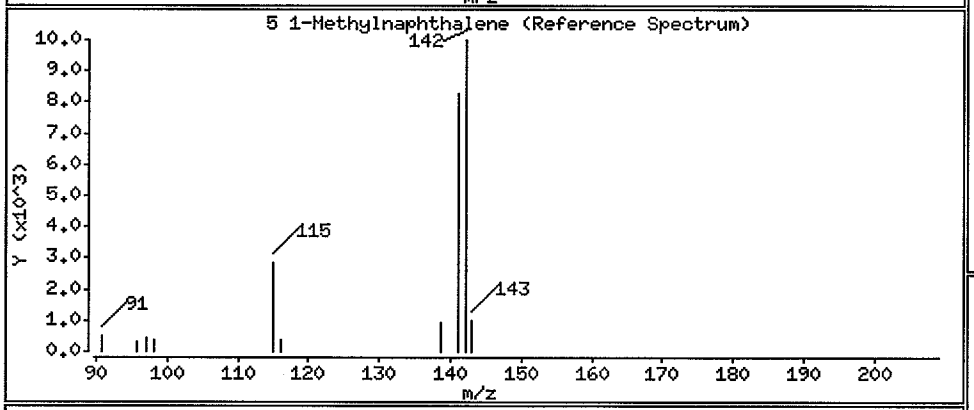
Column diameter: 0.25

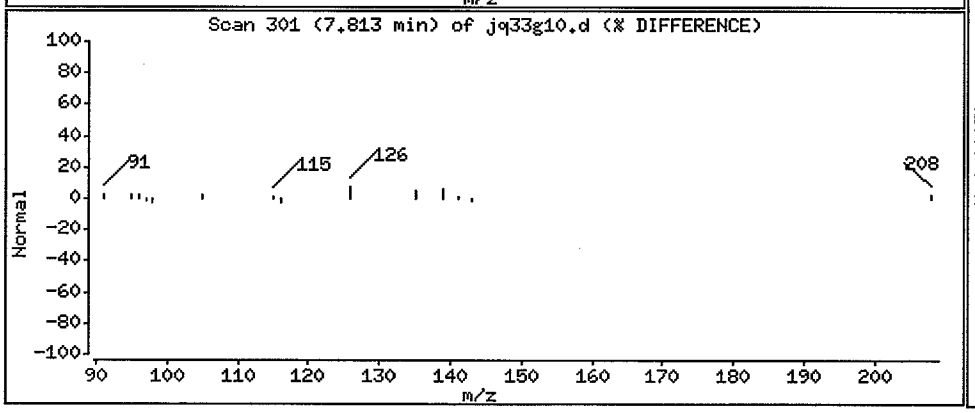
5 1-Methylnaphthalene

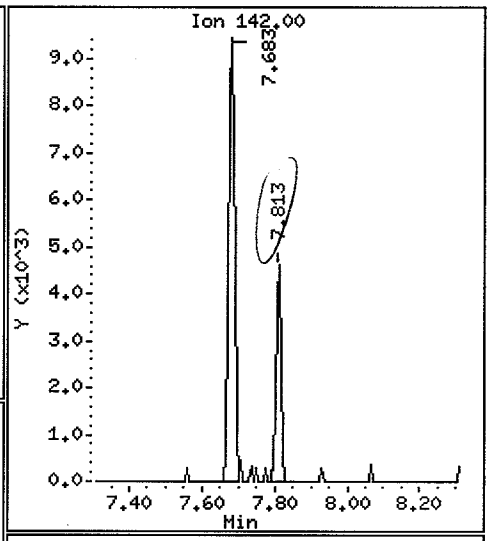
Concentration: 29.04 ug/kg

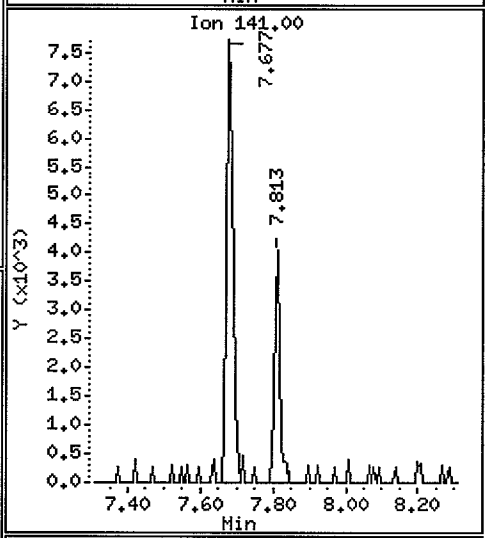


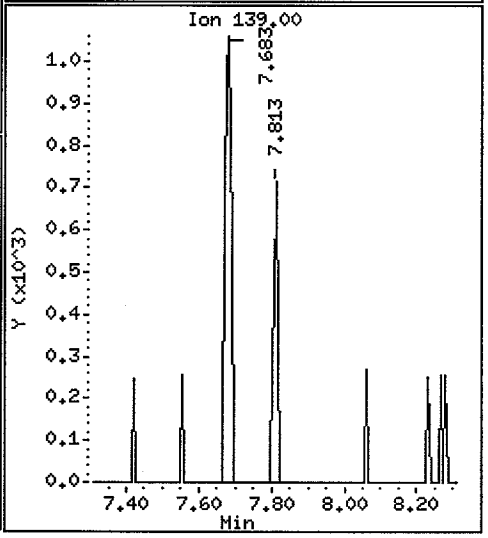












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

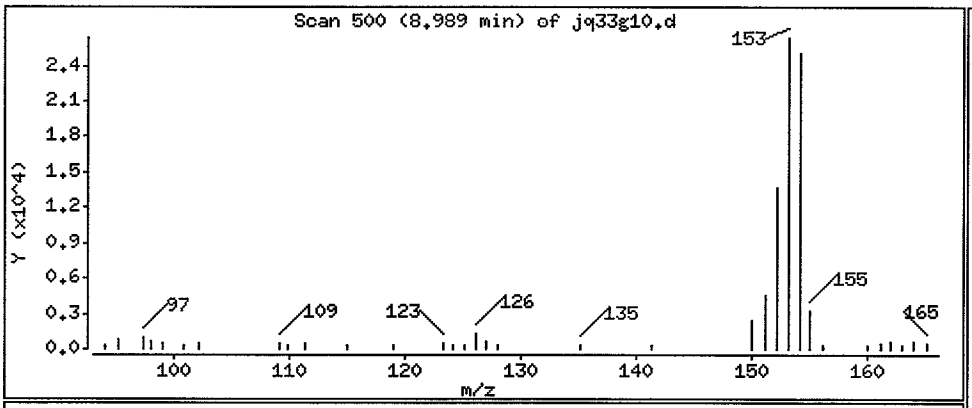
Operator: VTS

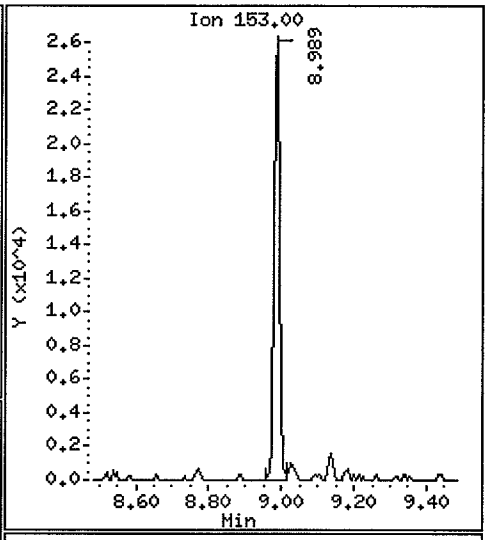
Column phase: ZB-5

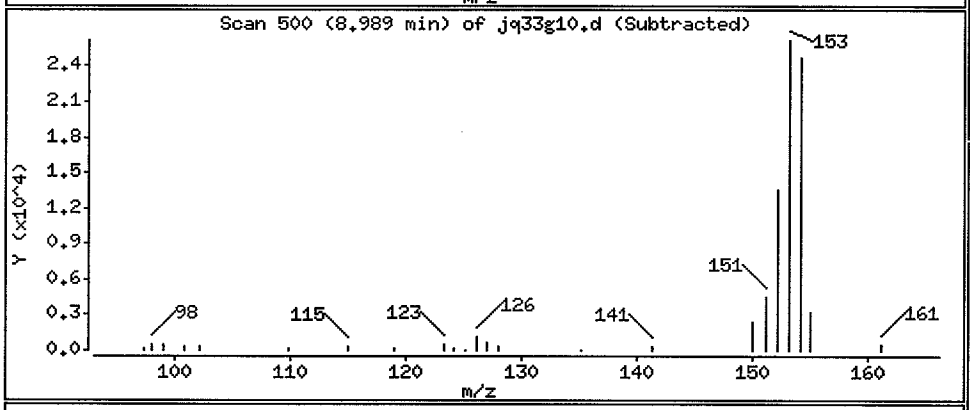
Column diameter: 0.25

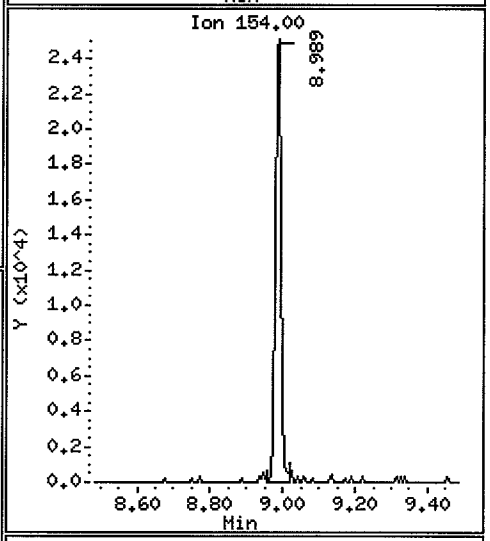
9 Acenaphthene

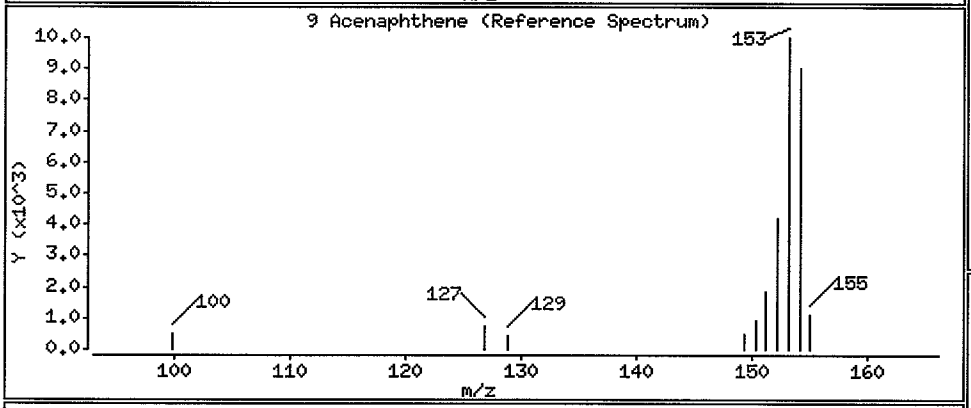
Concentration: 210.5 ug/kg

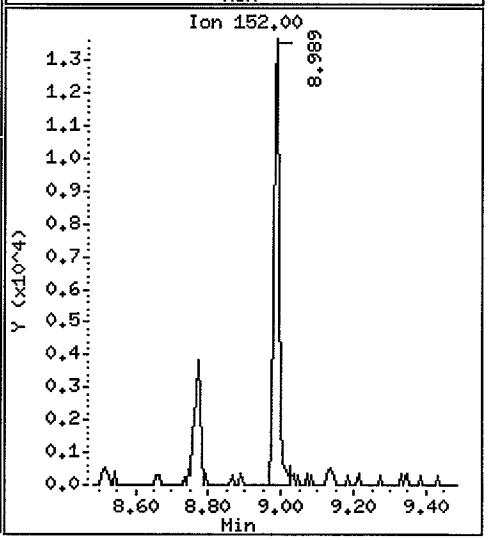


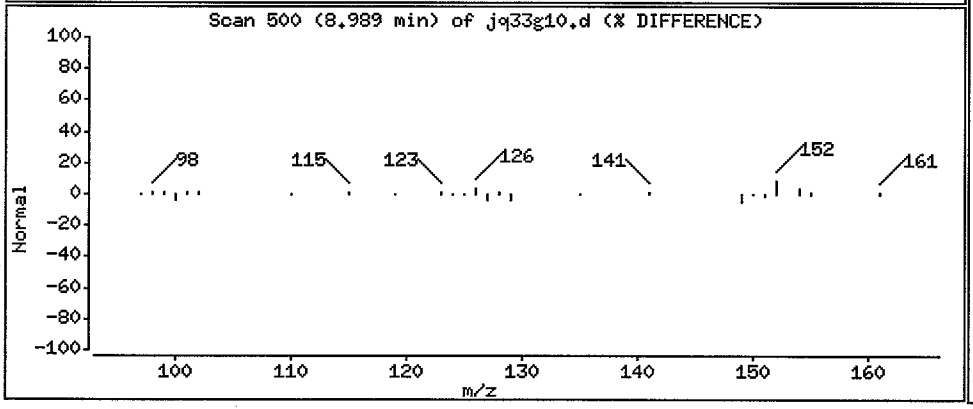












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

Operator: VTS

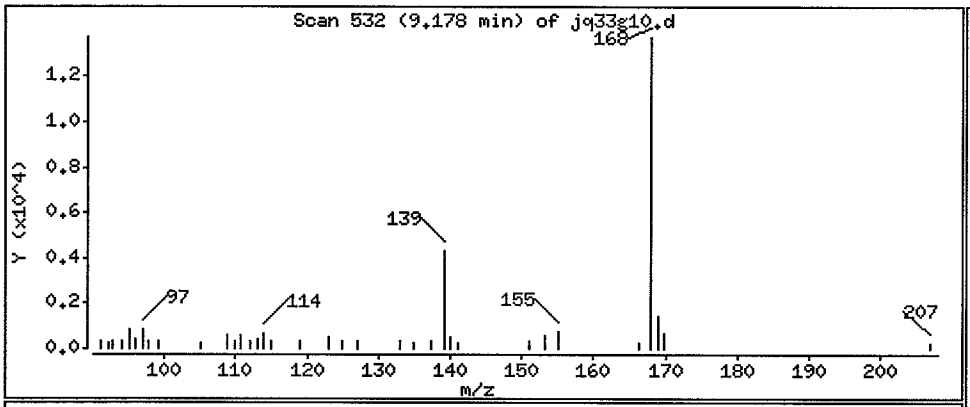
Column phase: ZB-5

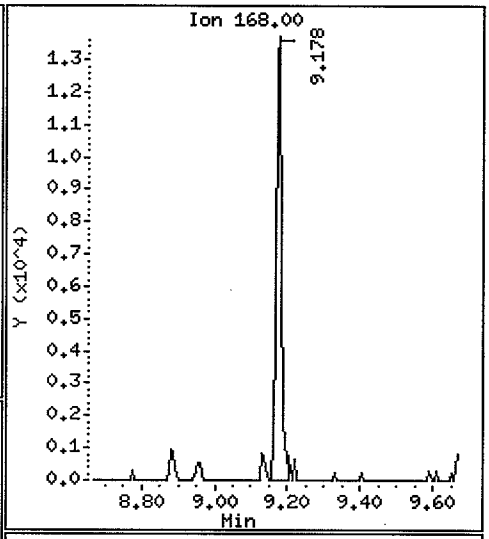
Column diameter: 0.25

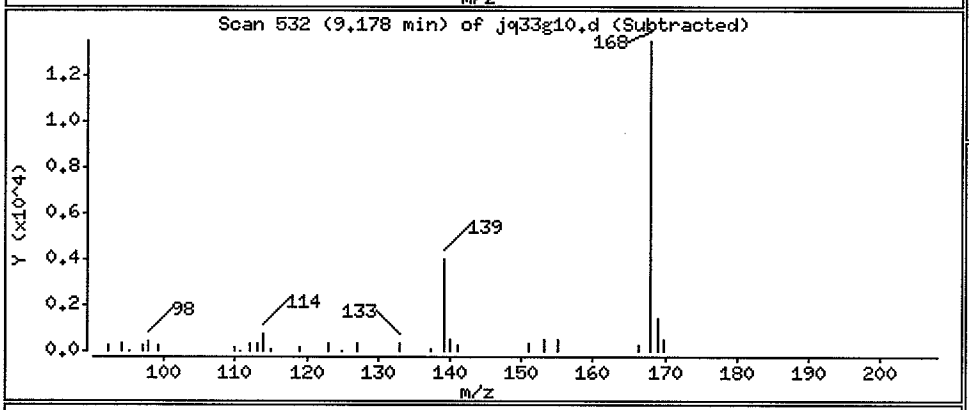
NR cpm

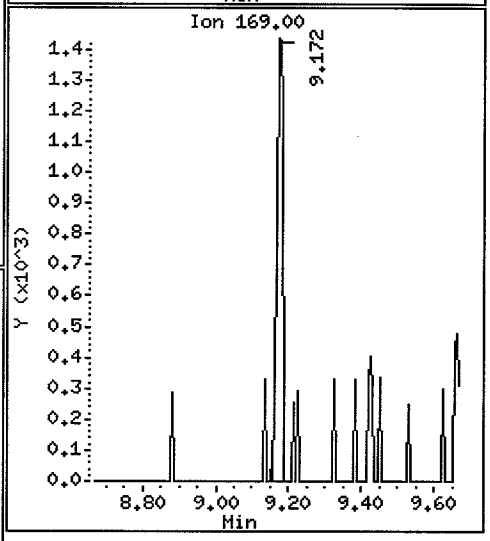
10 Dibenzofuran

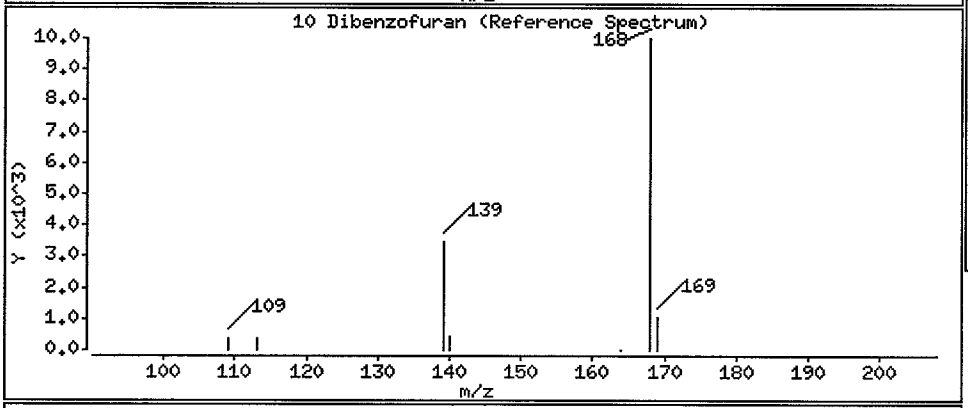
Concentration: 69.81 ug/kg

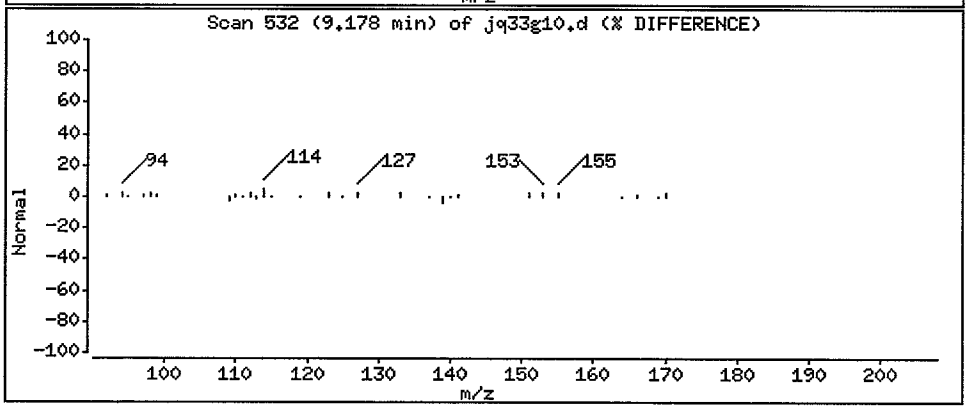












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

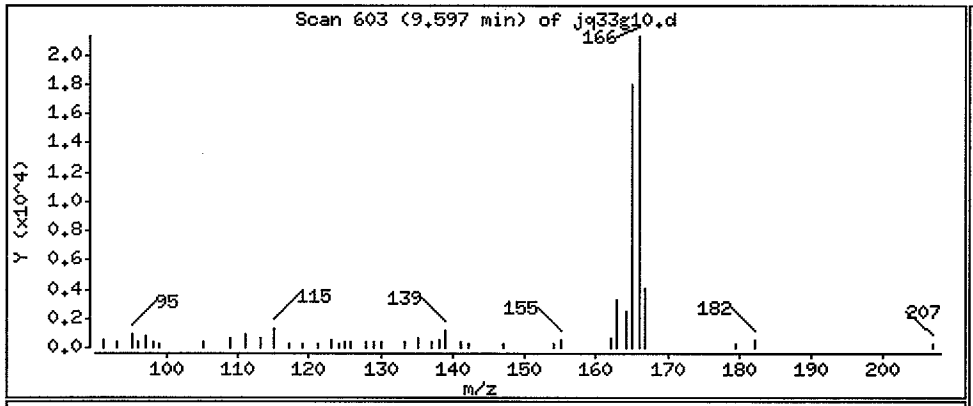
Operator: VTS

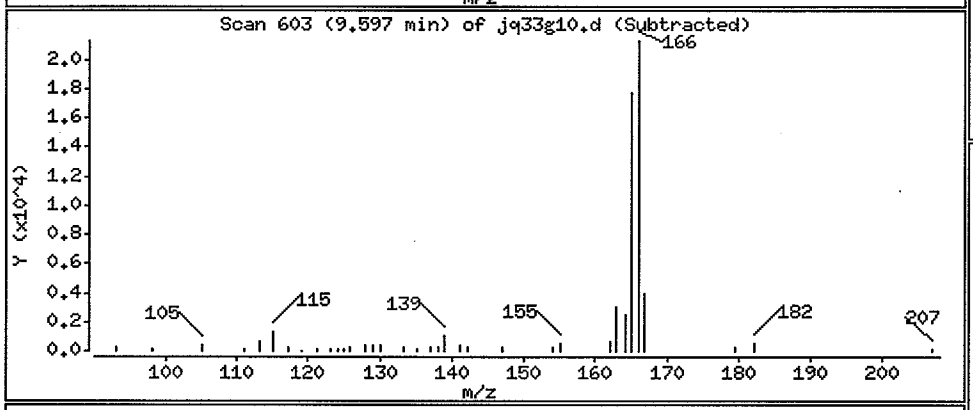
Column phase: ZB-5

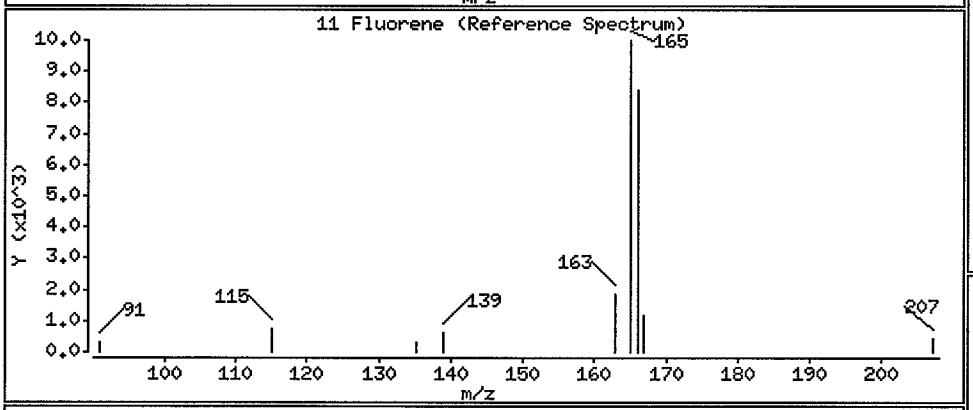
Column diameter: 0.25

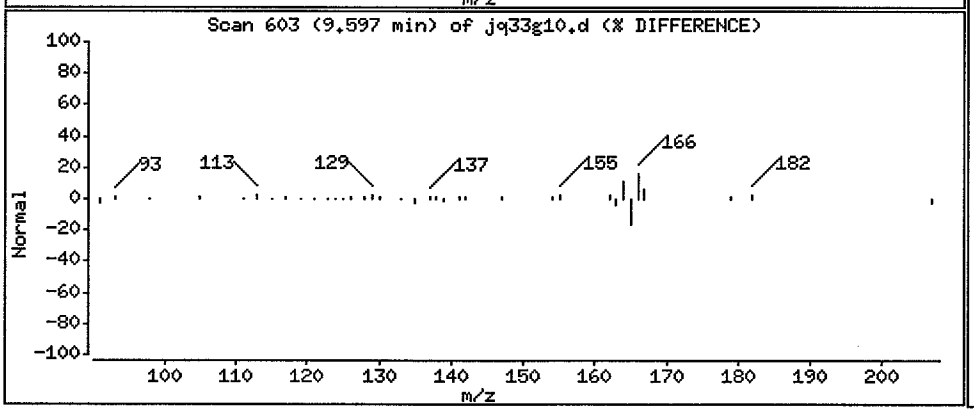
11 Fluorene

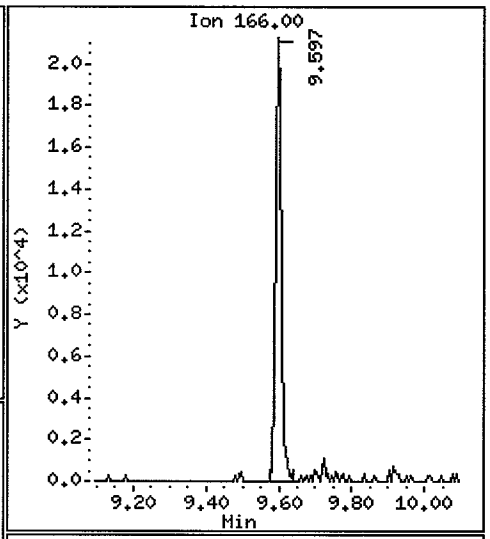
Concentration: 149.7 ug/kg

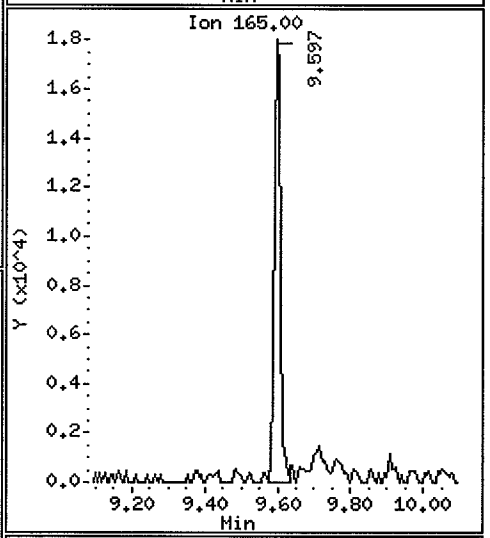


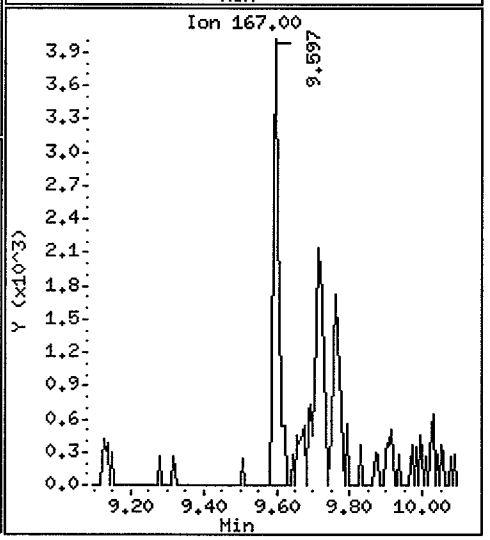












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

Operator: VTS

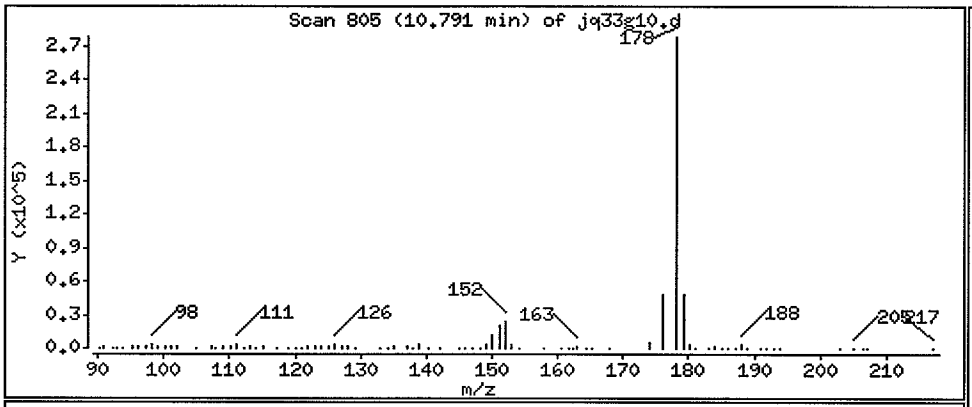
Column phase: ZB-5

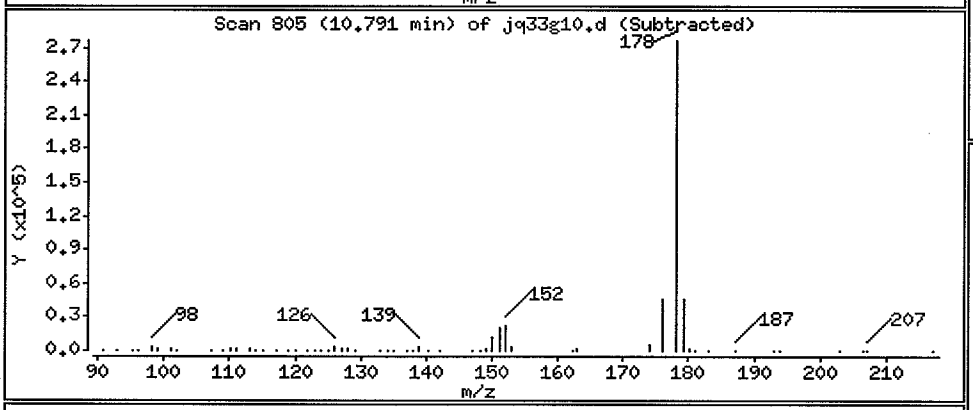
Column diameter: 0.25

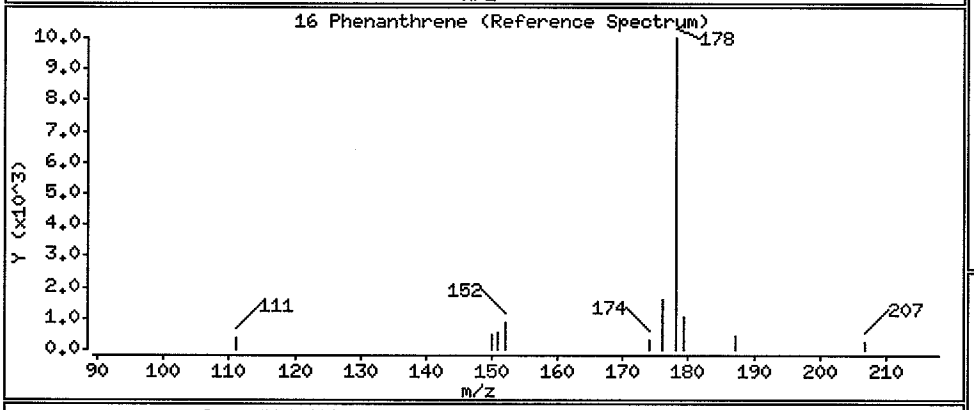
16 Phenanthrene

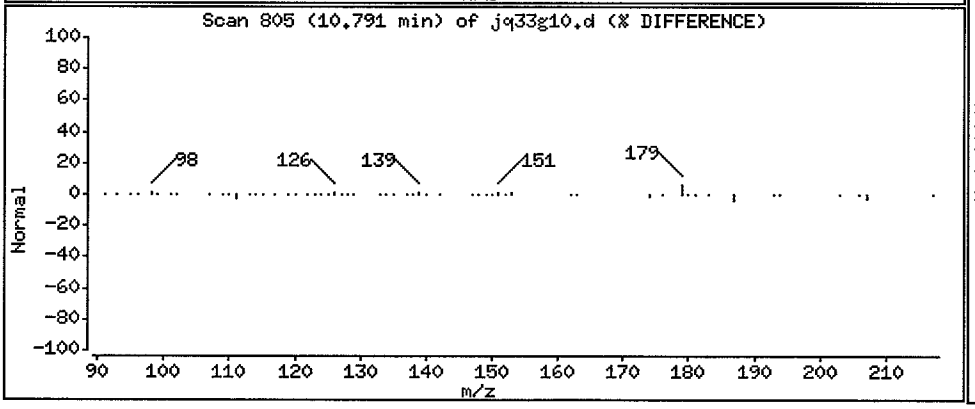
Concentration: 1331 ug/kg

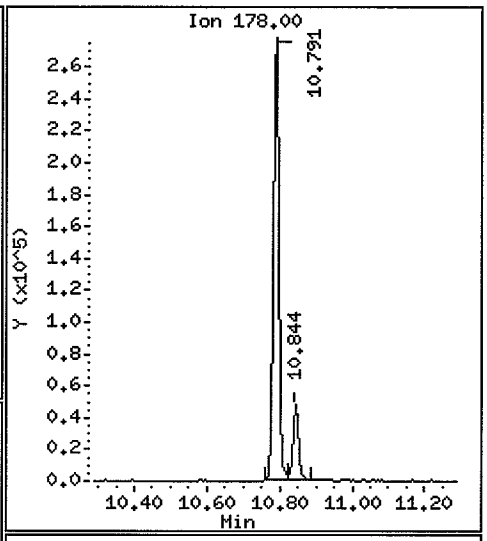
B

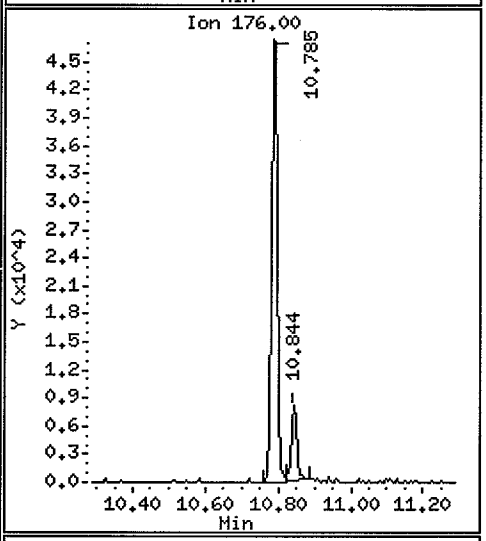


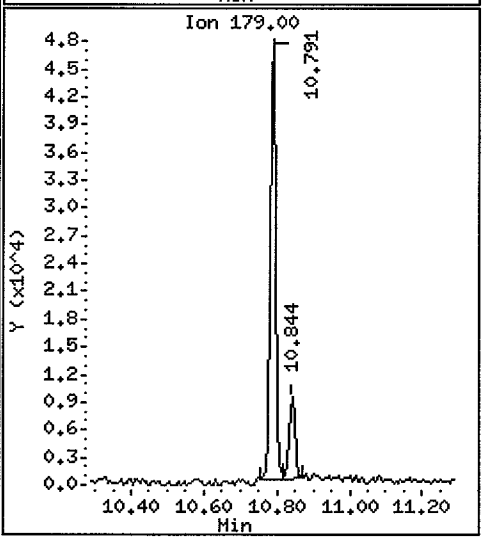












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

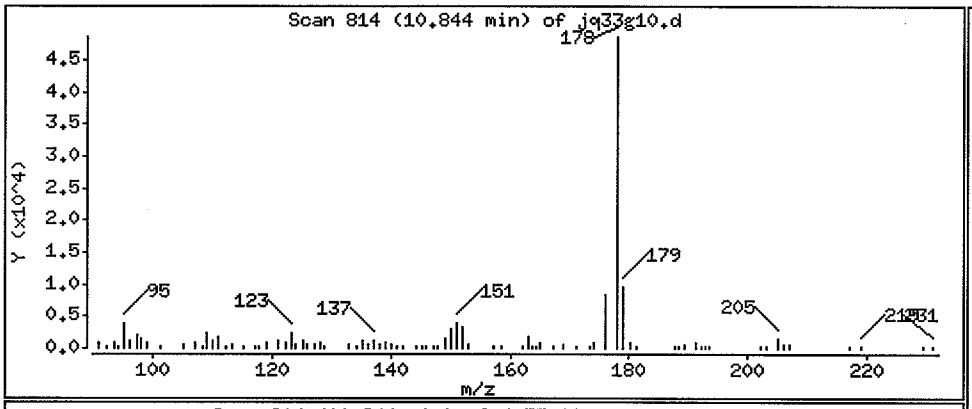
Operator: VTS

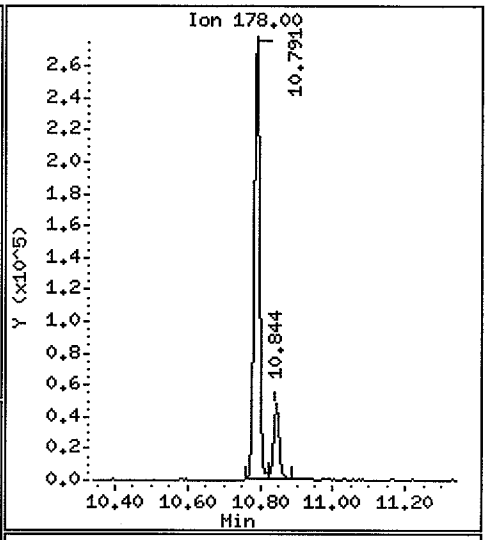
Column phase: ZB-5

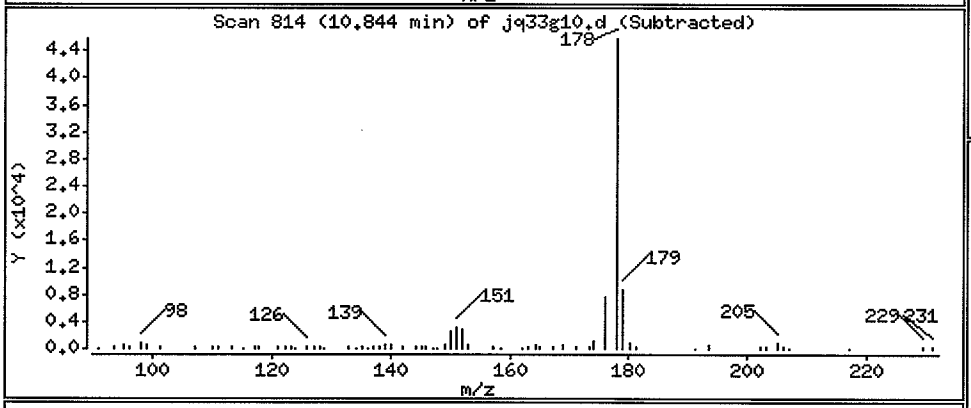
Column diameter: 0.25

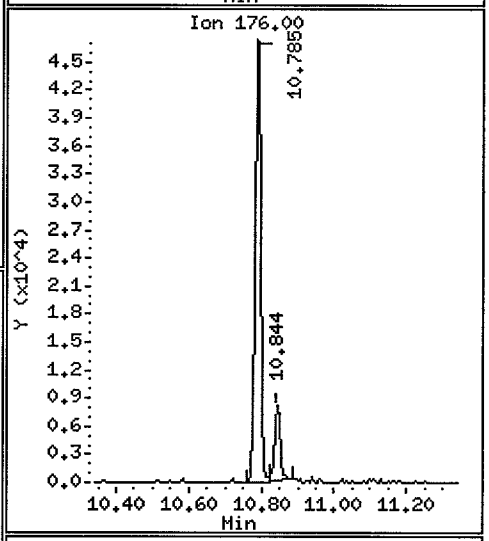
17 Anthracene

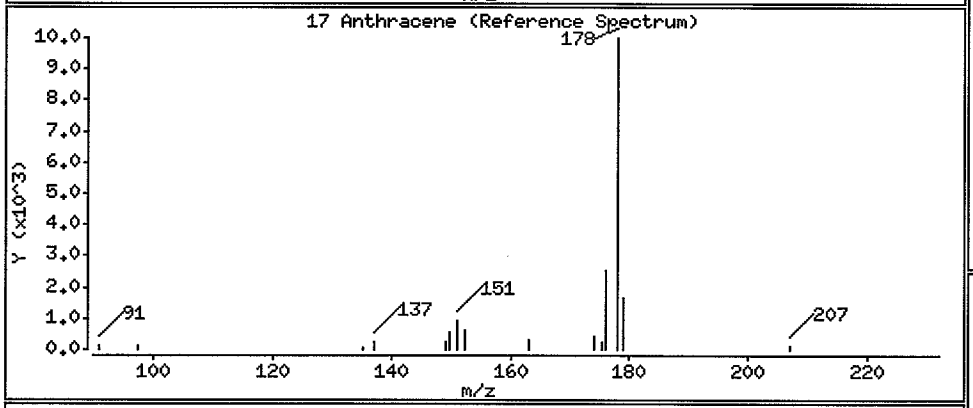
Concentration: 229.5 ug/kg

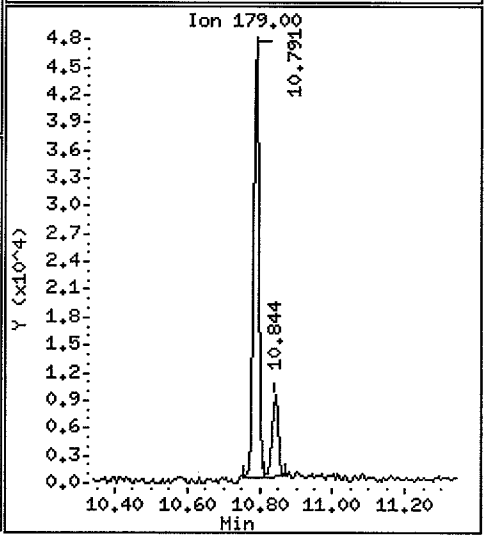


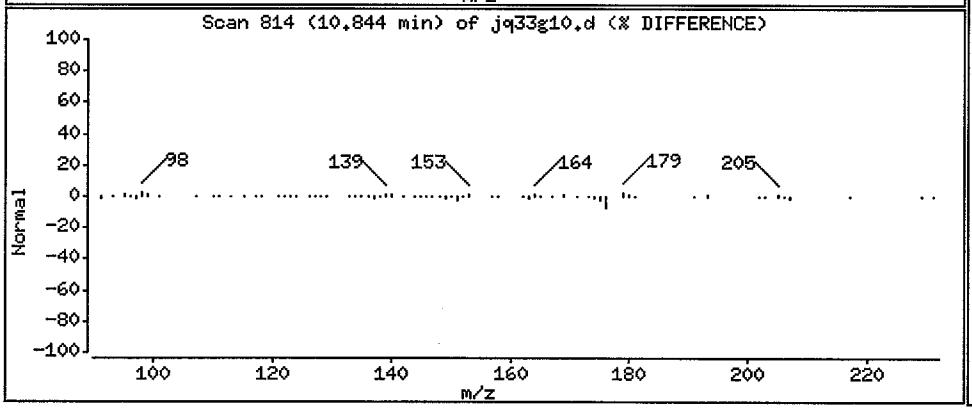












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

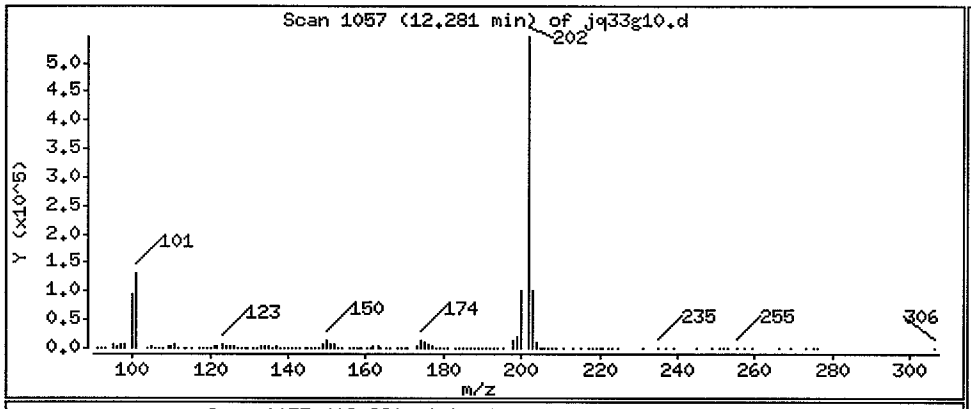
Operator: VTS

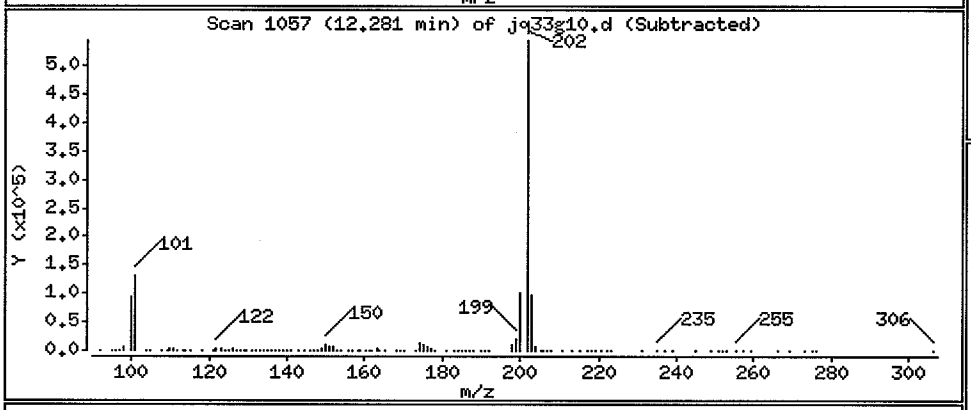
Column phase: ZB-5

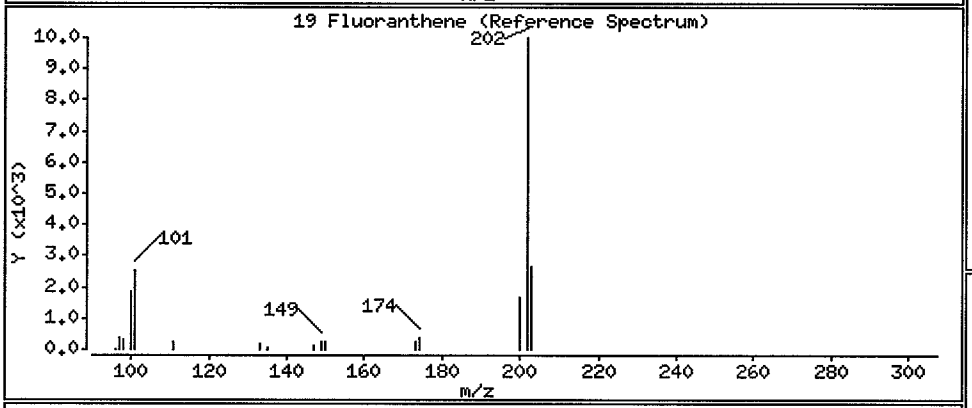
Column diameter: 0.25

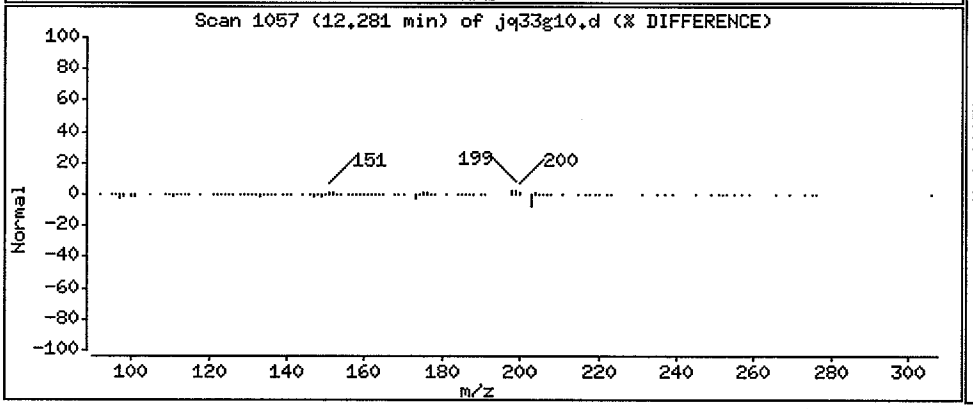
19 Fluoranthene

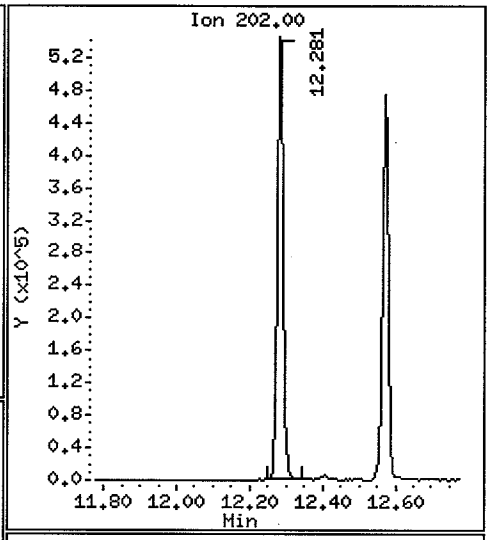
Concentration: 2710 ug/kg

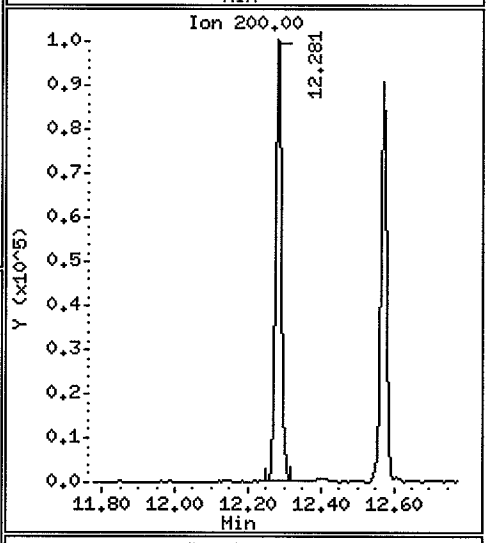


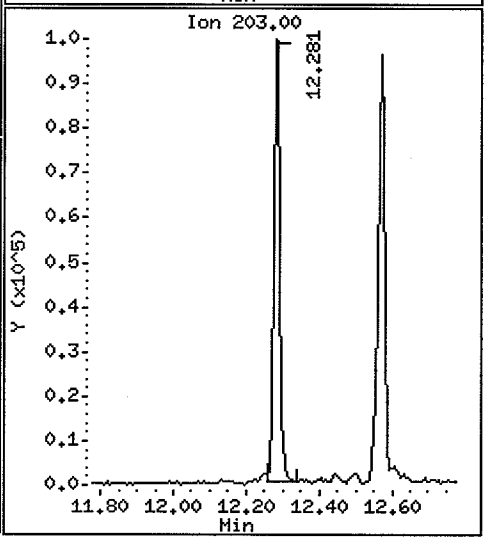












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

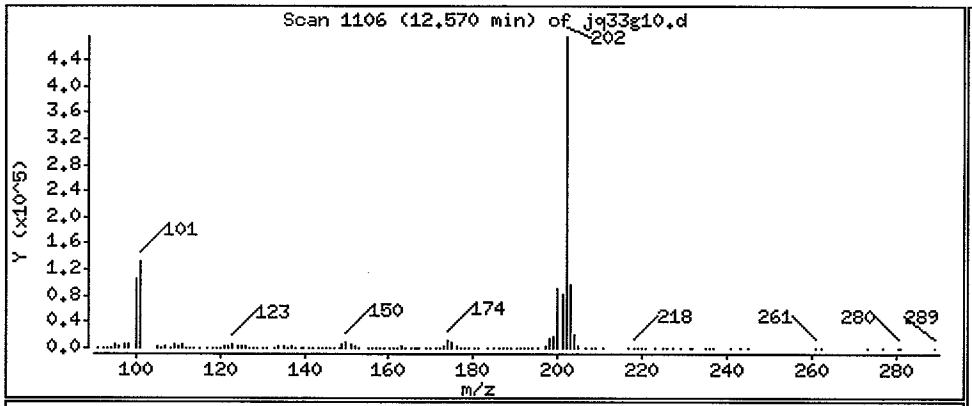
Operator: VTS

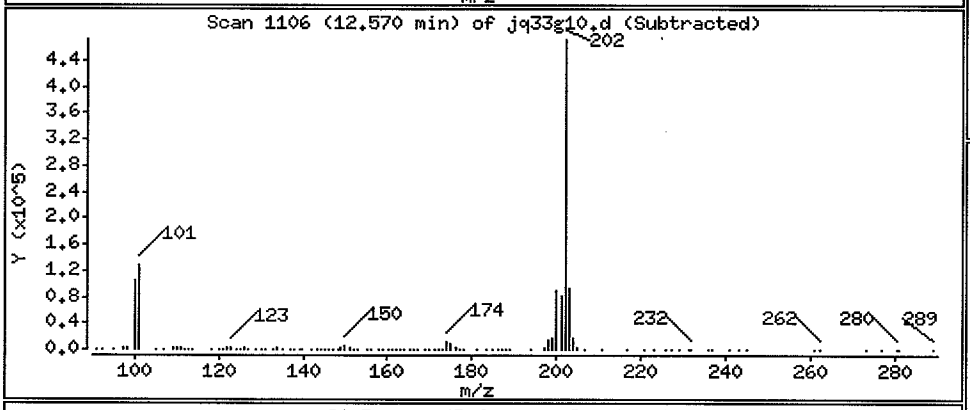
Column phase: ZB-5

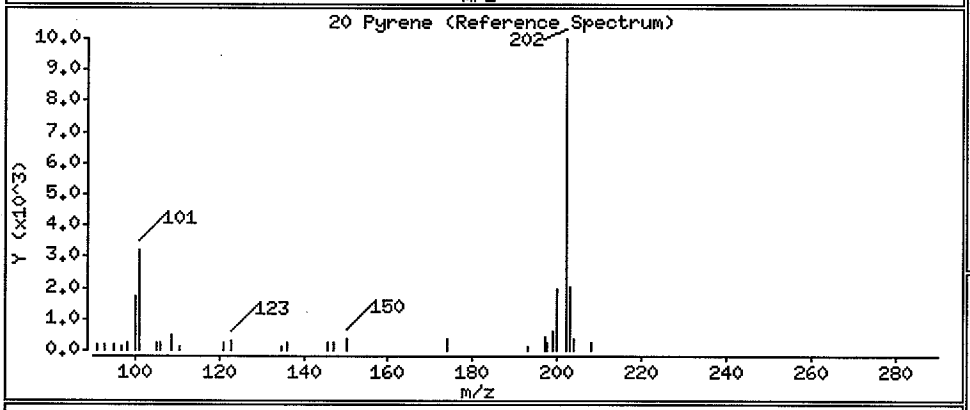
Column diameter: 0.25

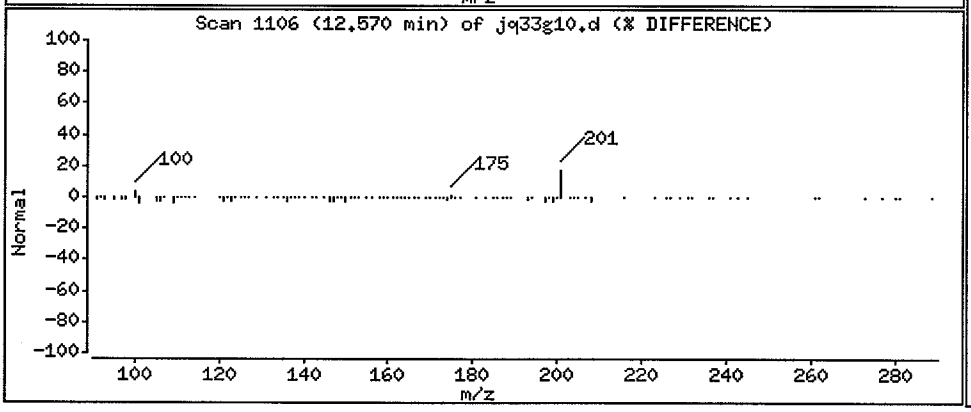
20 Pyrene

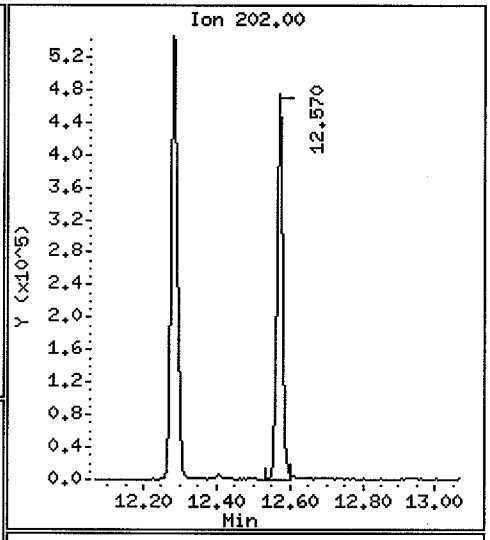
Concentration: 2042 ug/kg

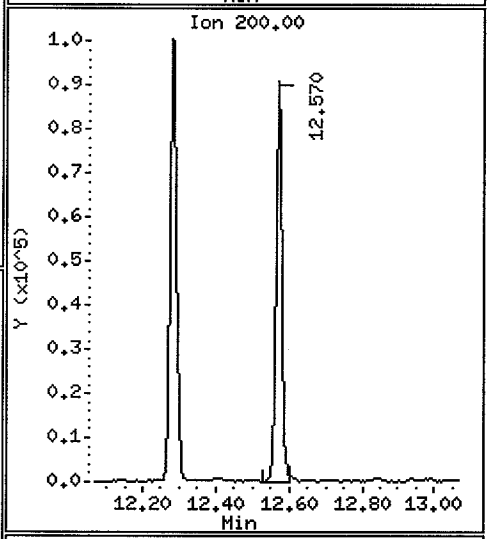


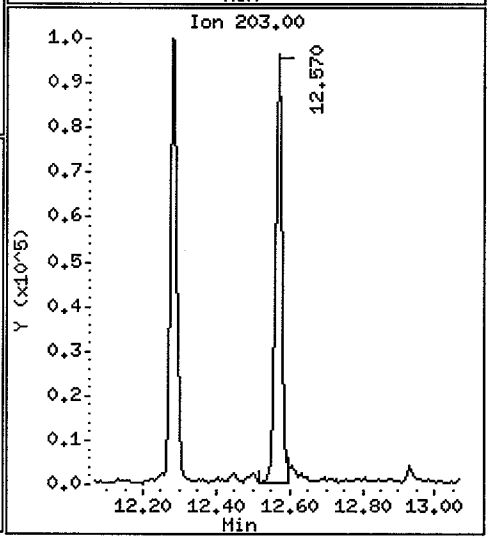












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

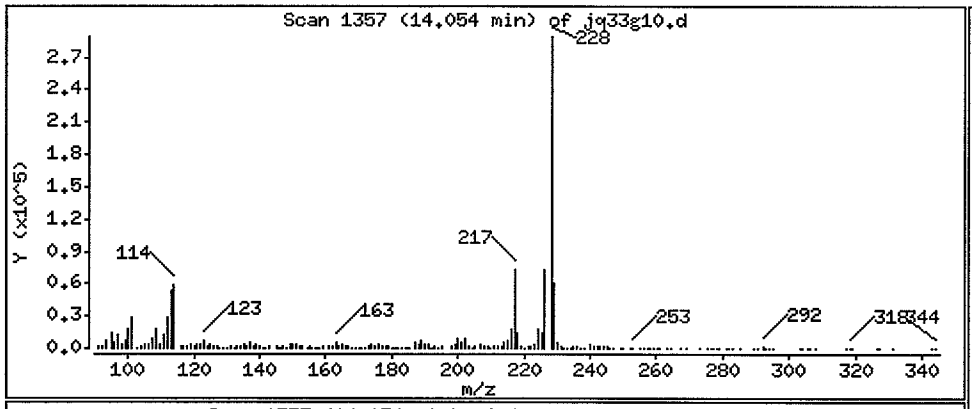
Operator: VTS

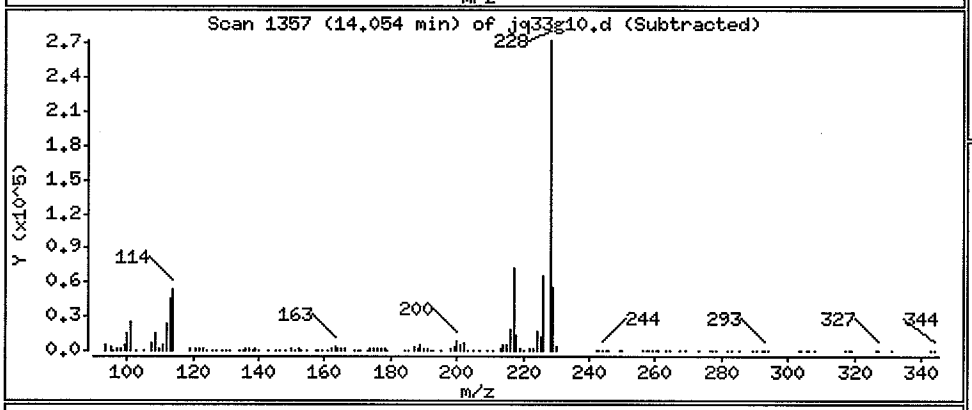
Column phase: ZB-5

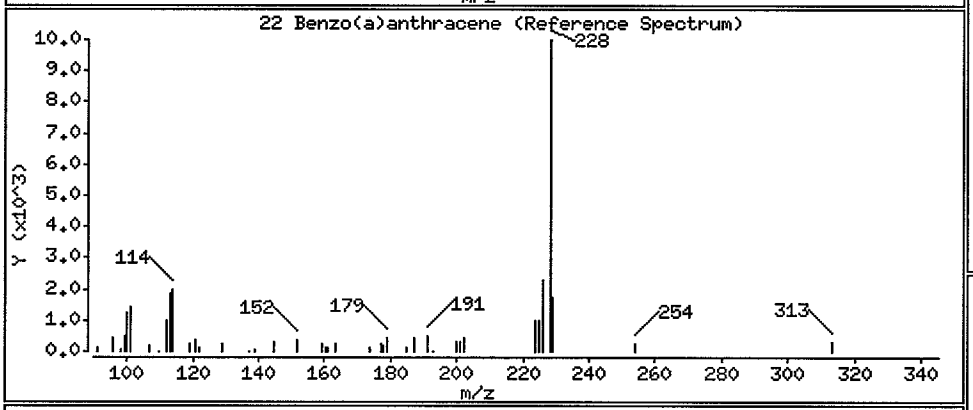
Column diameter: 0.25

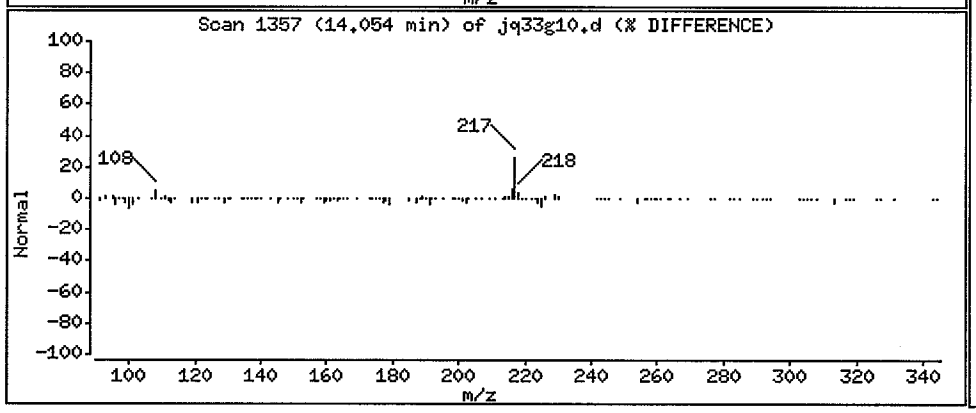
22 Benzo(a)anthracene

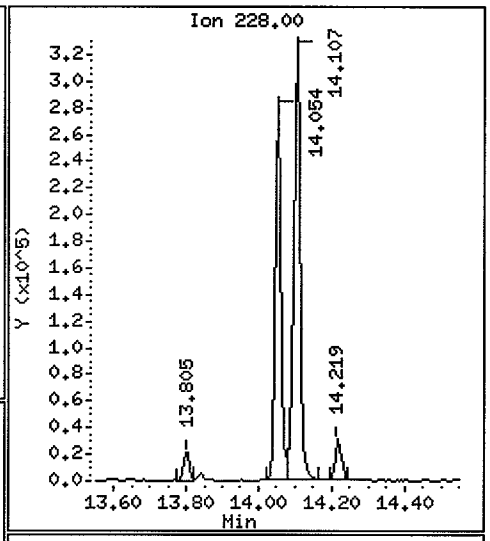
Concentration: 1307 ug/kg

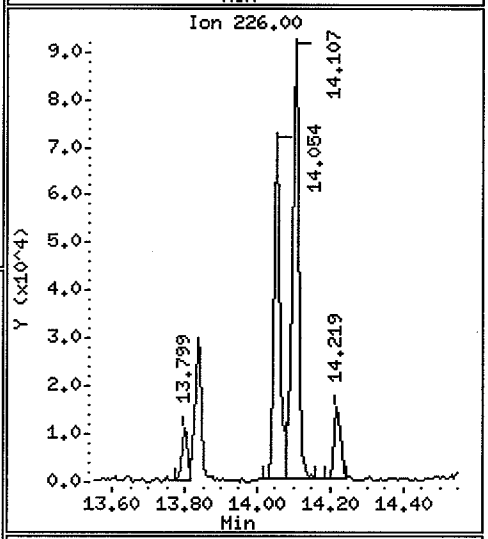


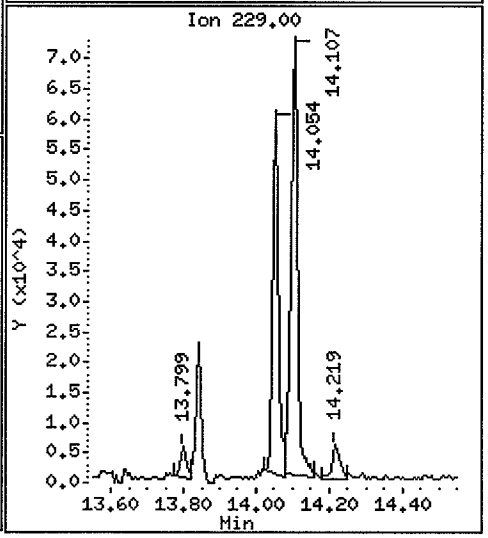












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

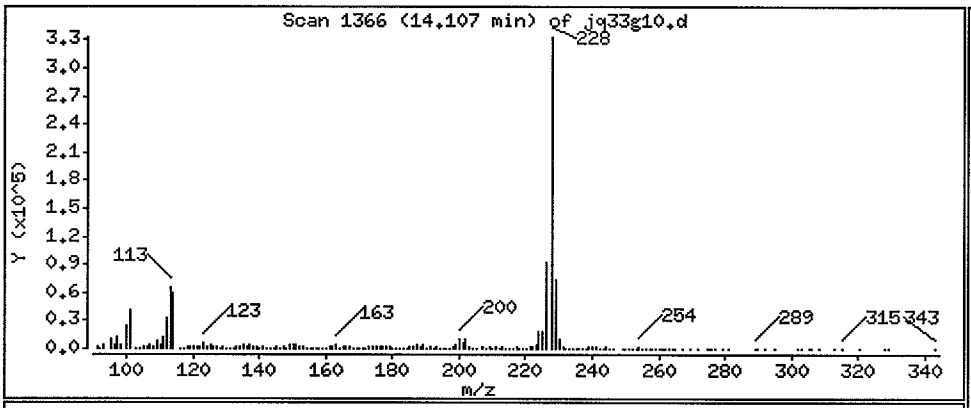
Operator: VTS

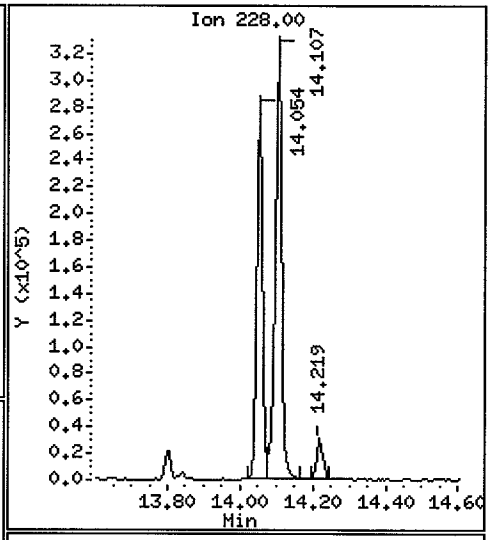
Column phase: ZB-5

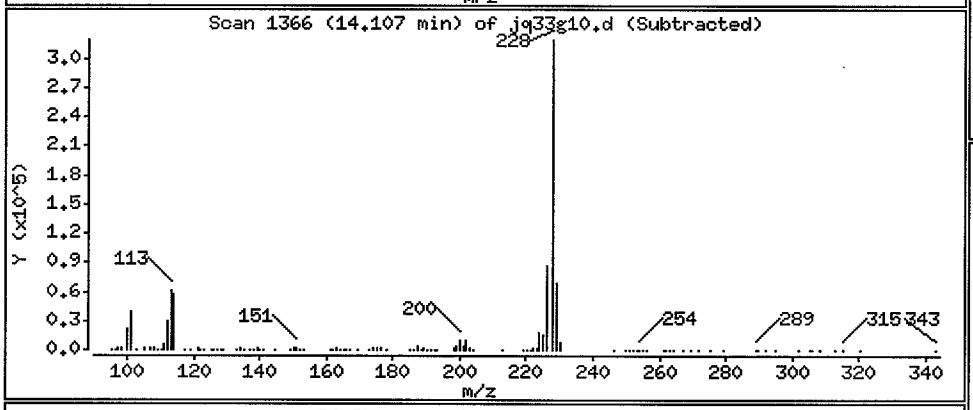
Column diameter: 0.25

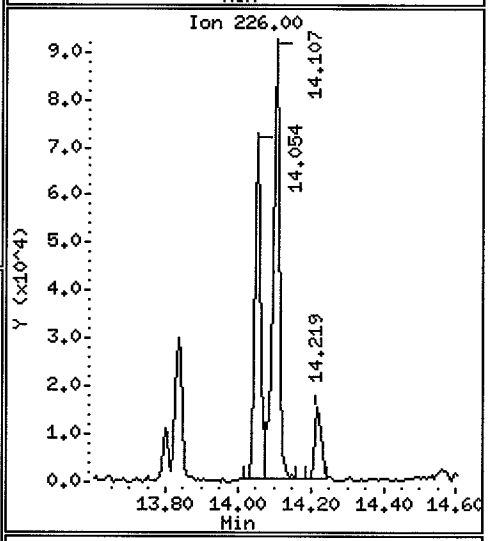
24 Chrysene

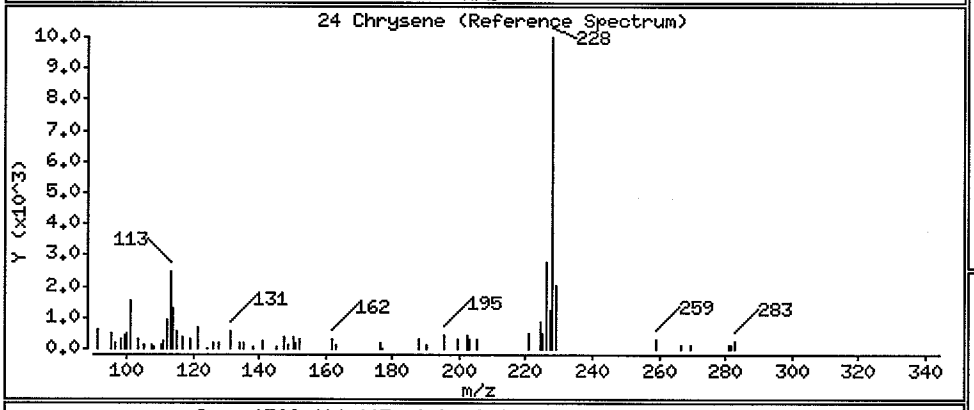
Concentration: 1846 ug/kg

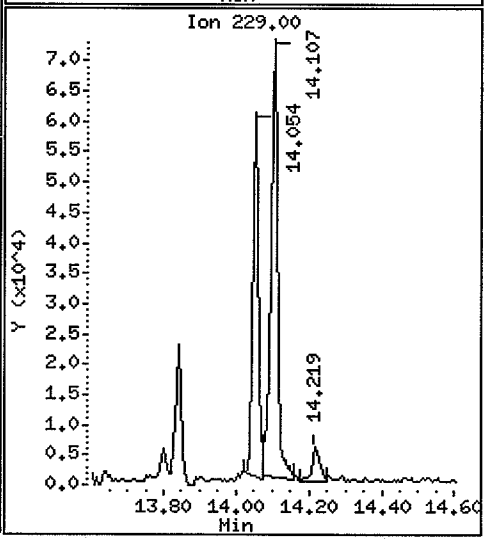


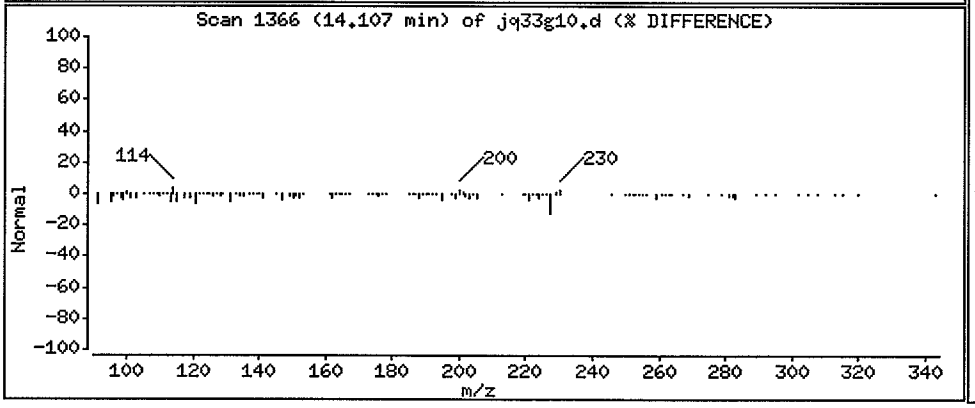












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

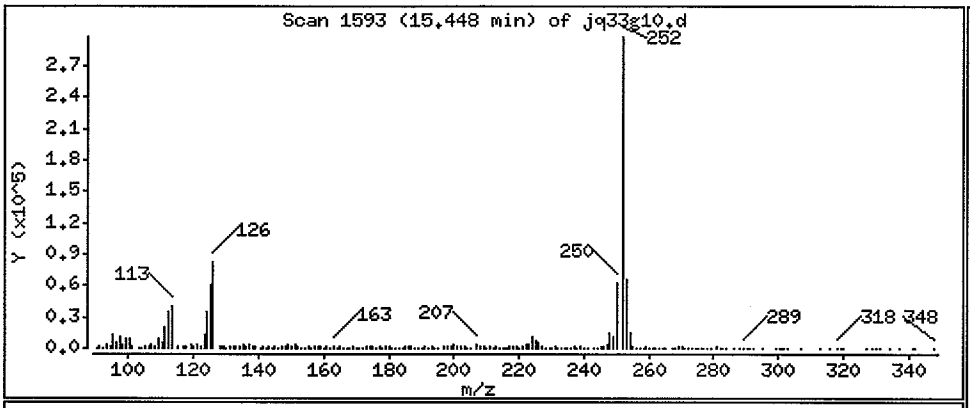
Operator: VTS

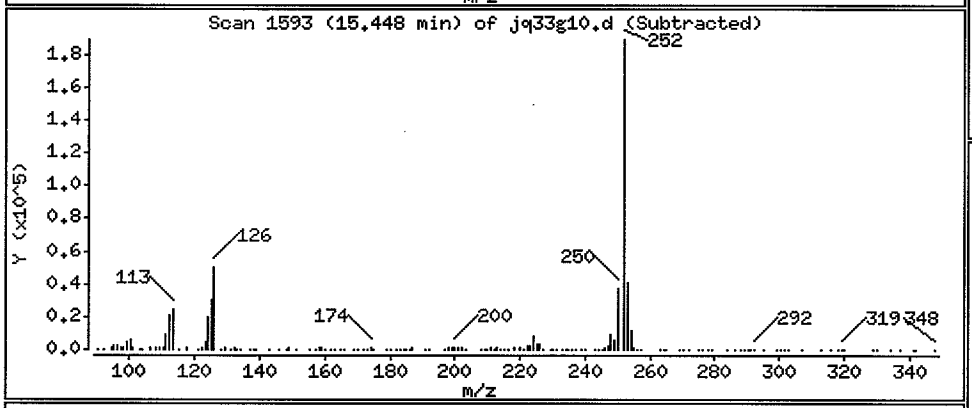
Column phase: ZB-5

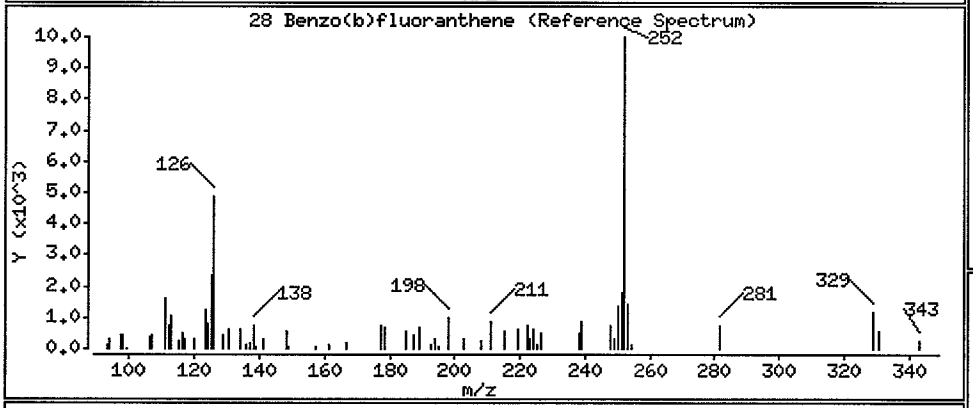
Column diameter: 0.25

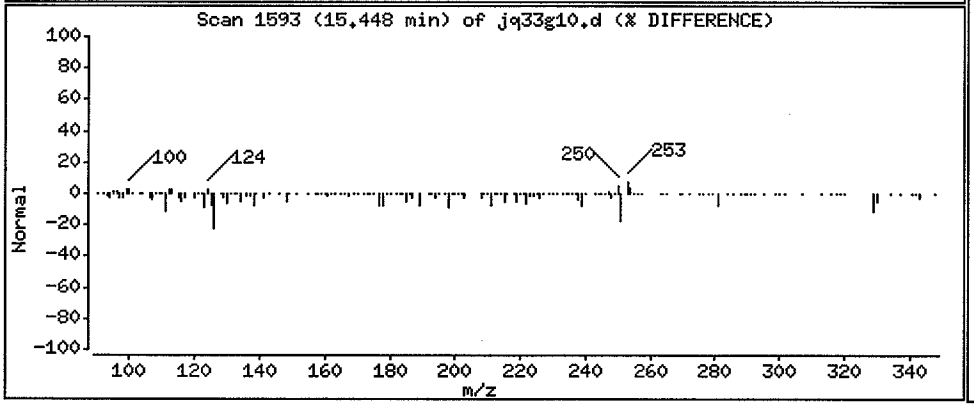
28 Benzo(b)fluoranthene

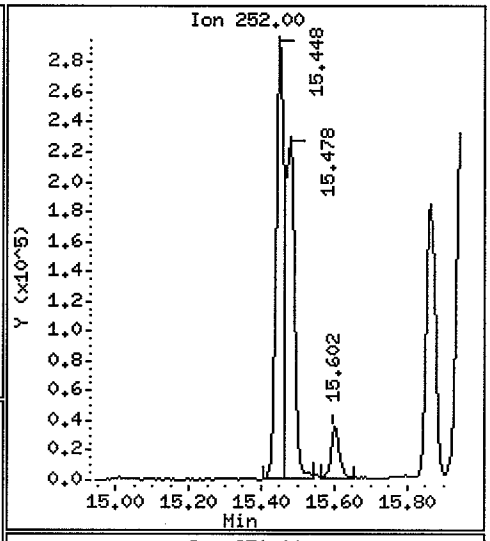
Concentration: 2089 ug/kg

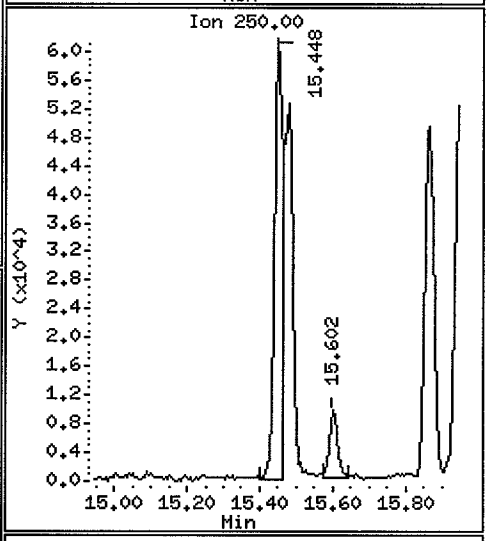


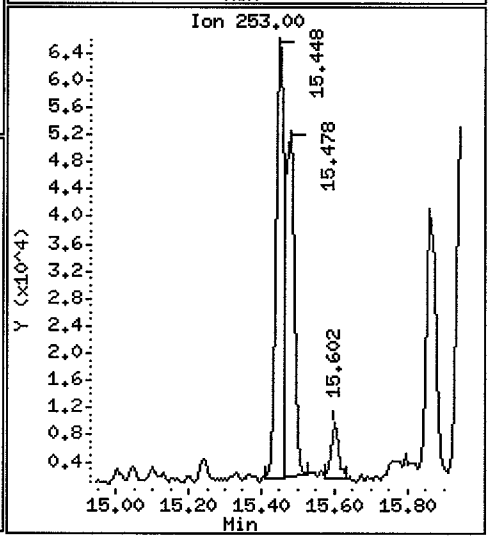












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

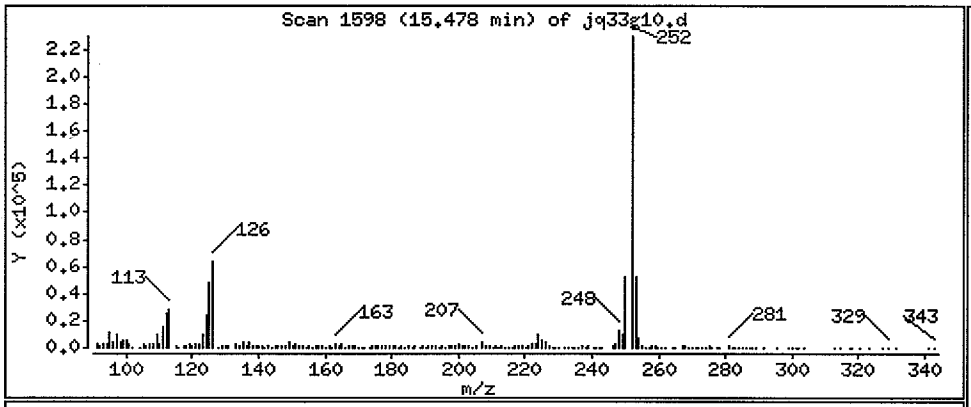
Operator: VTS

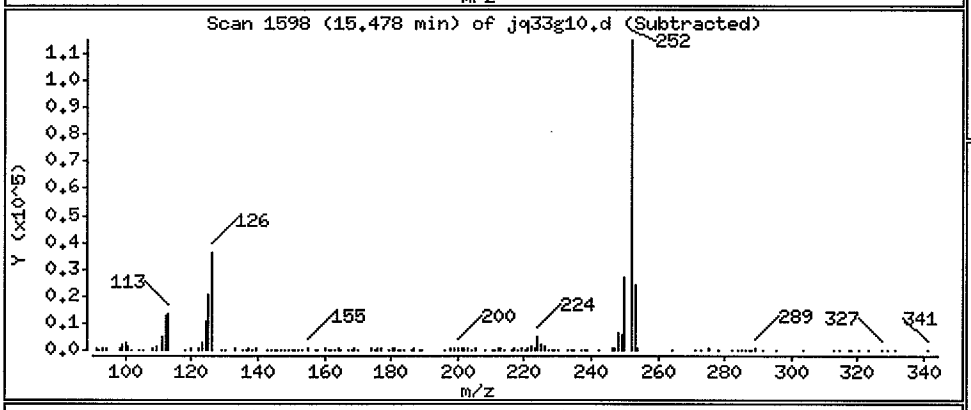
Column phase: ZB-5

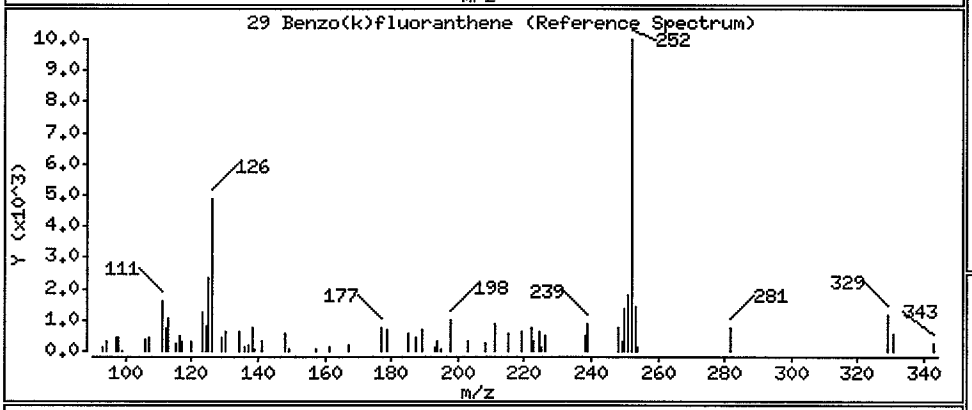
Column diameter: 0.25

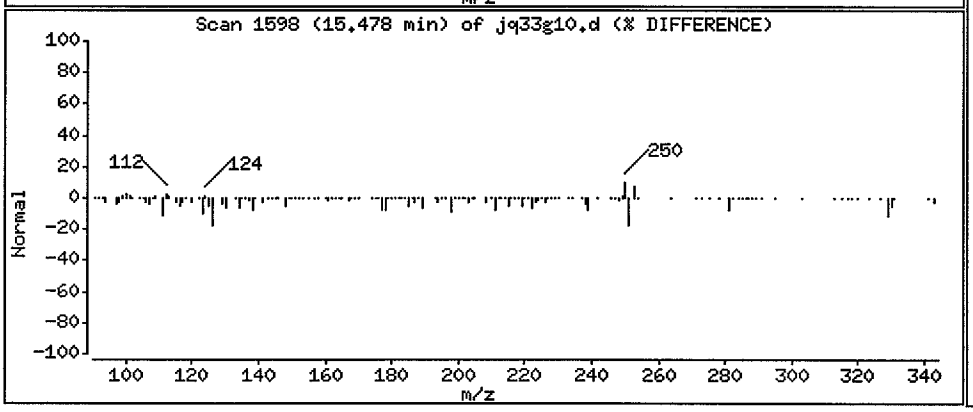
29 Benzo(k)fluoranthene

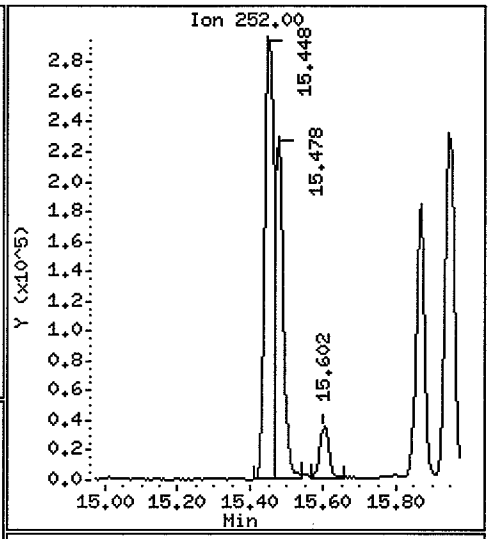
Concentration: 1546 ug/kg

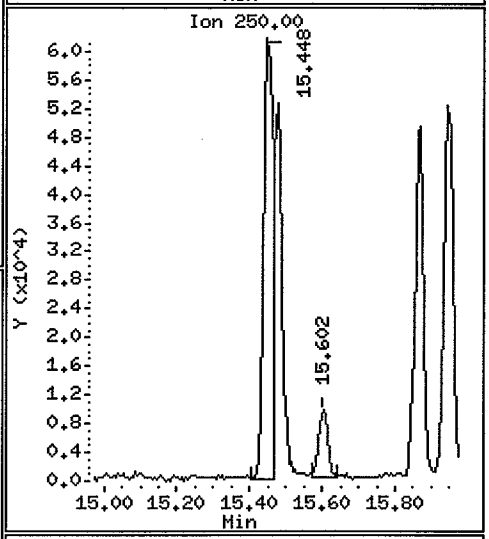


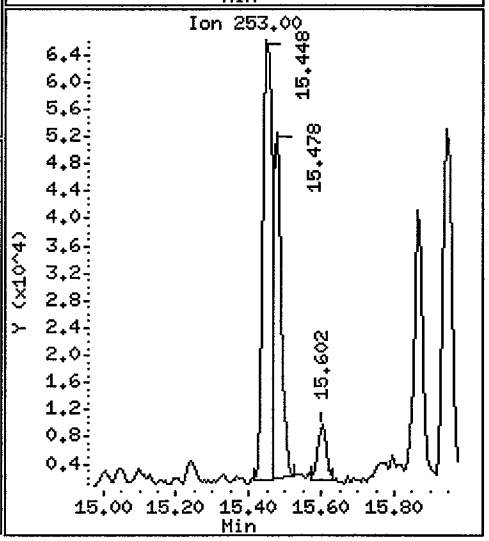












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

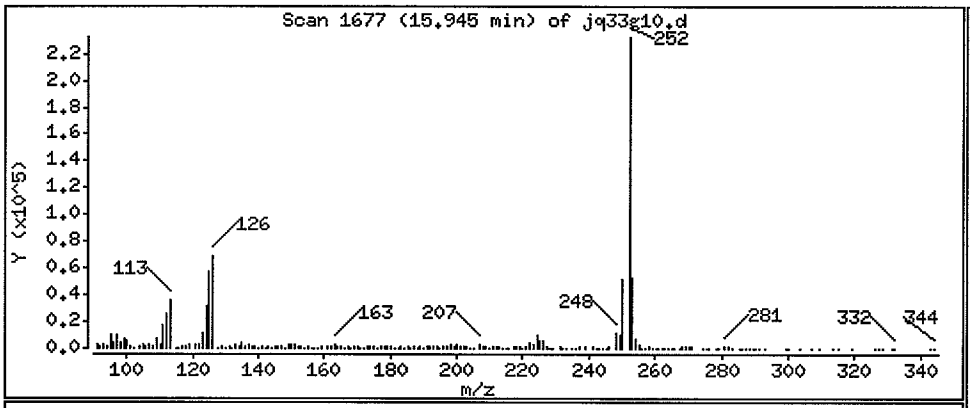
Operator: VTS

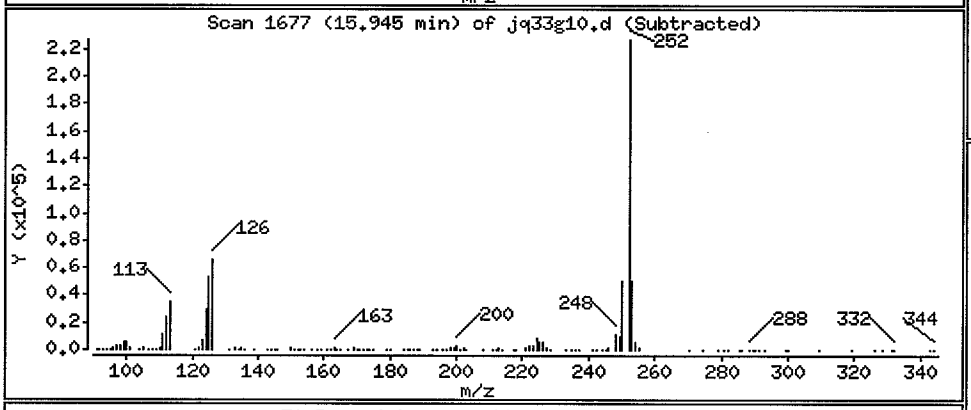
Column phase: ZB-5

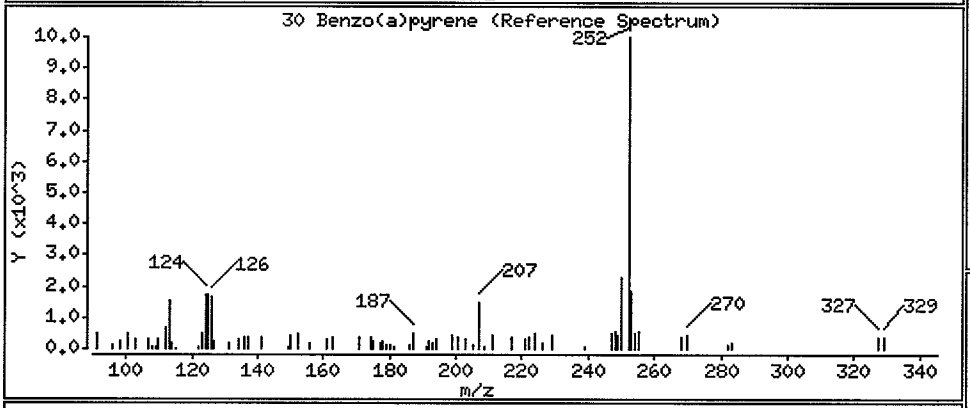
Column diameter: 0.25

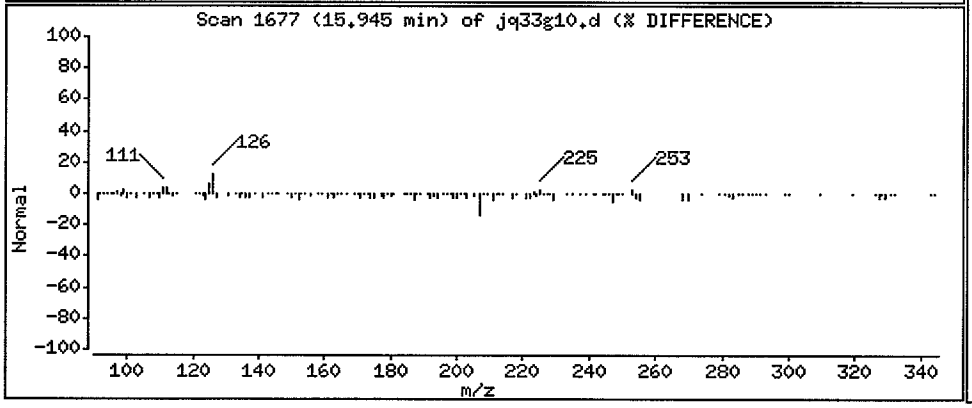
30 Benzo(a)pyrene

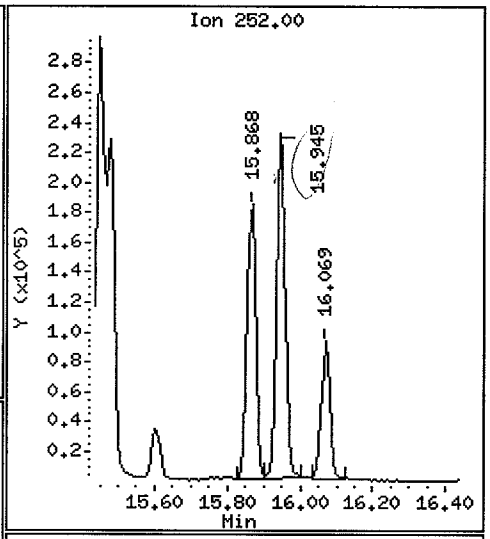
Concentration: 1652 ug/kg

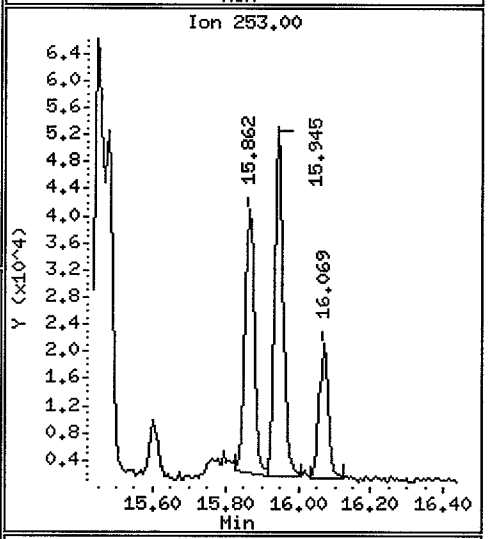


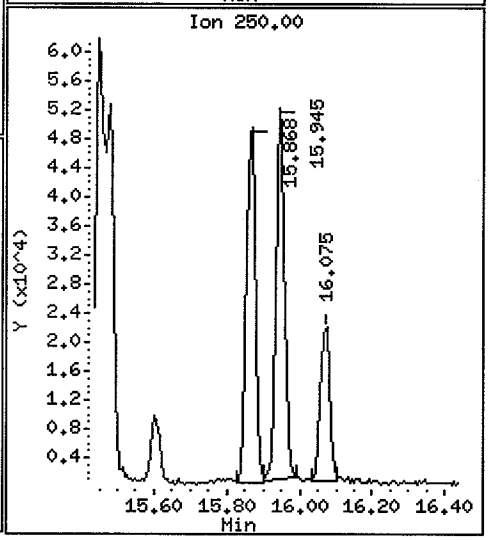












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

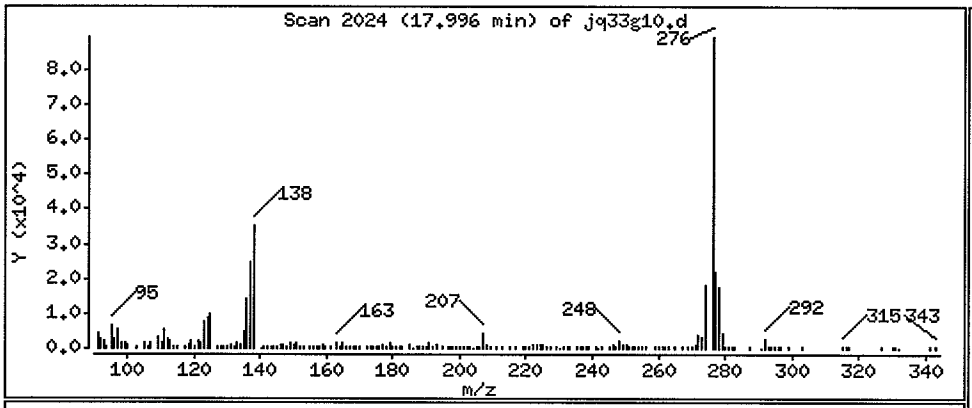
Operator: VTS

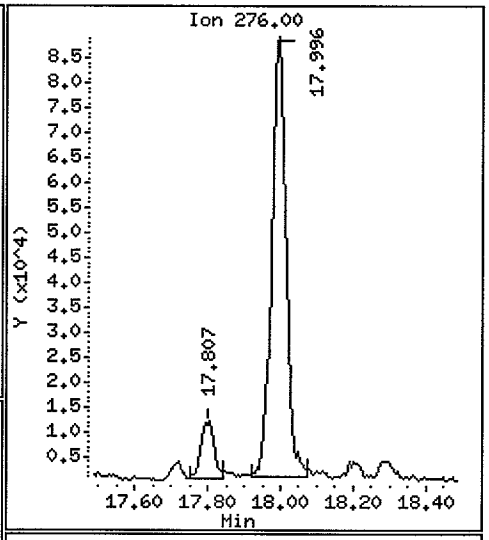
Column phase: ZB-5

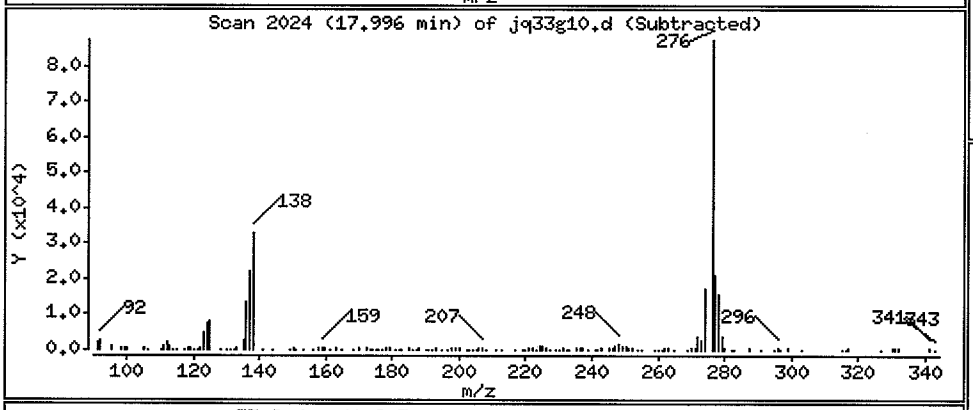
Column diameter: 0.25

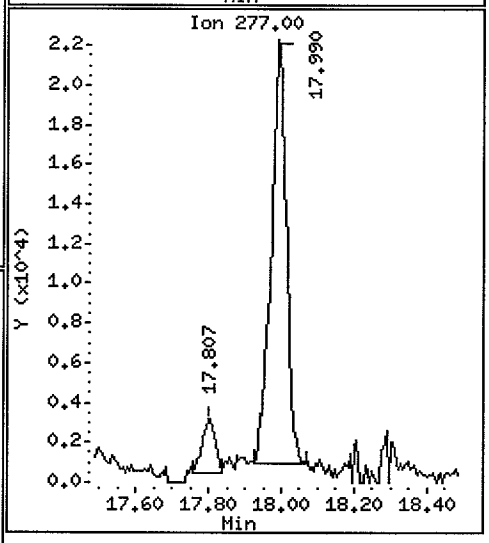
33 Indeno(1,2,3-cd)pyrene

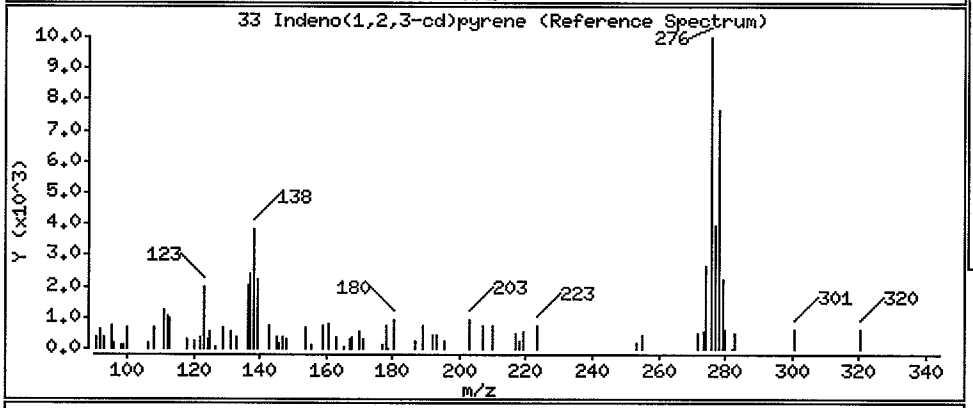
Concentration: 910.3 ug/kg

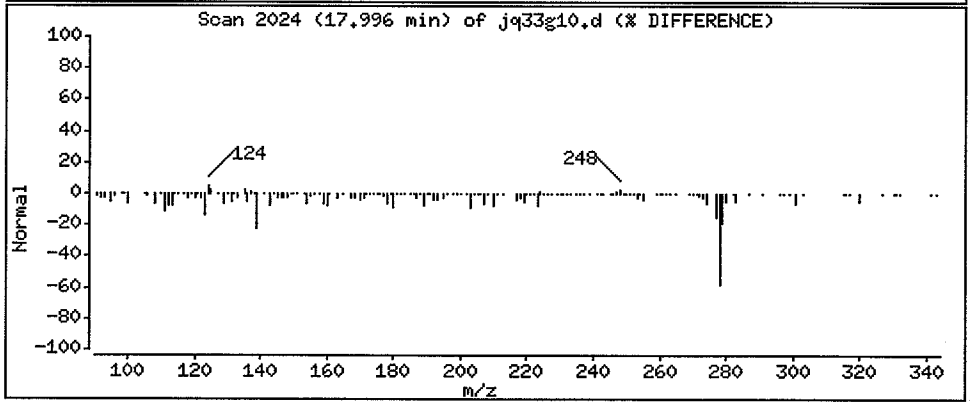












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

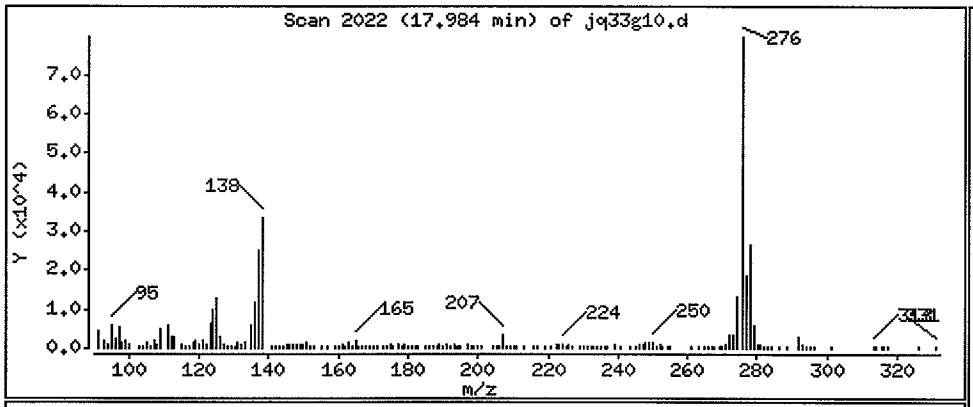
Operator: VTS

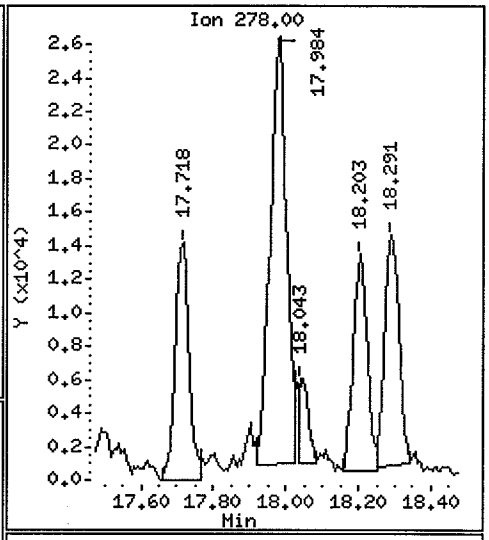
Column phase: ZB-5

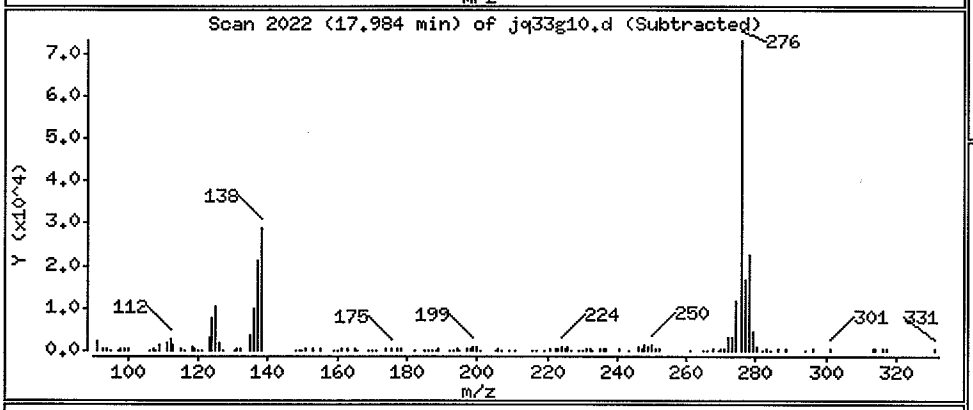
Column diameter: 0.25

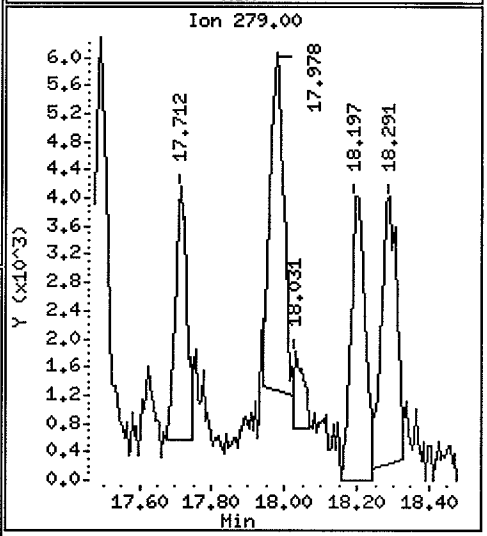
34 Dibenz(a,h)anthracene

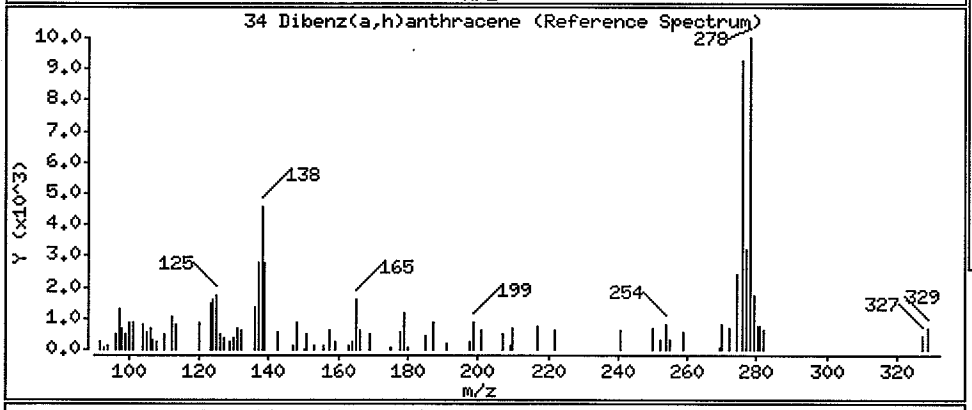
Concentration: 374.7 ug/kg

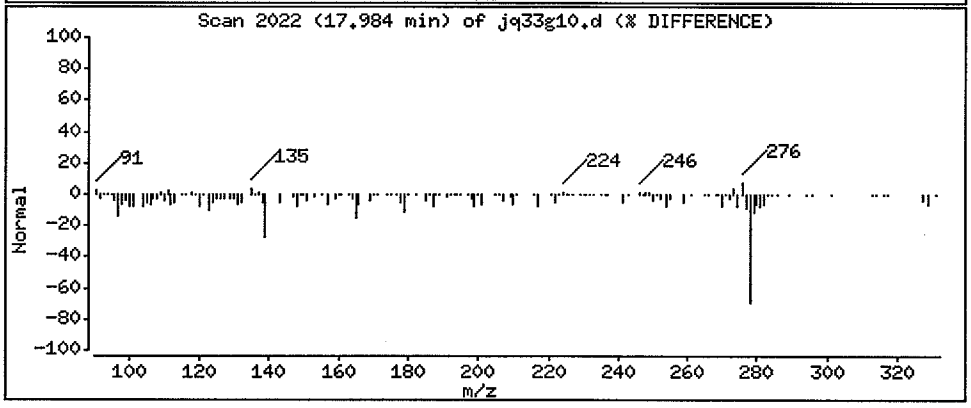












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

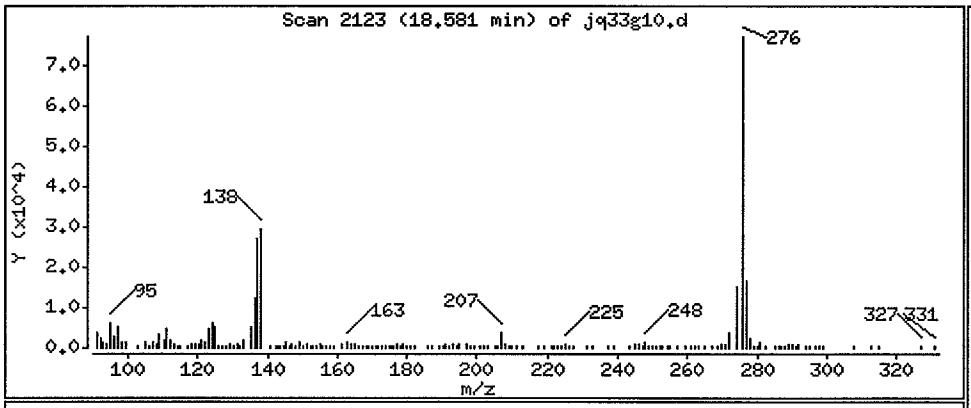
Operator: VTS

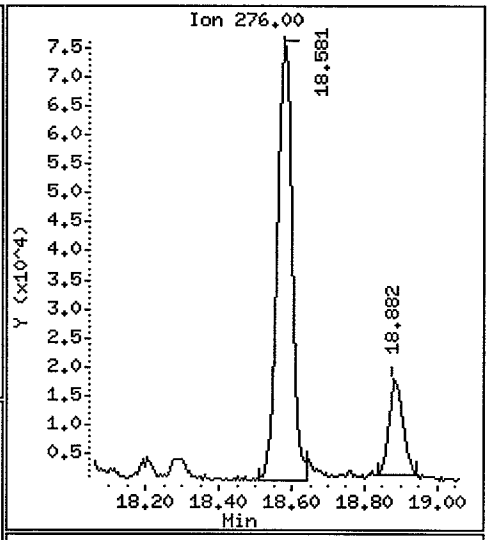
Column phase: ZB-5

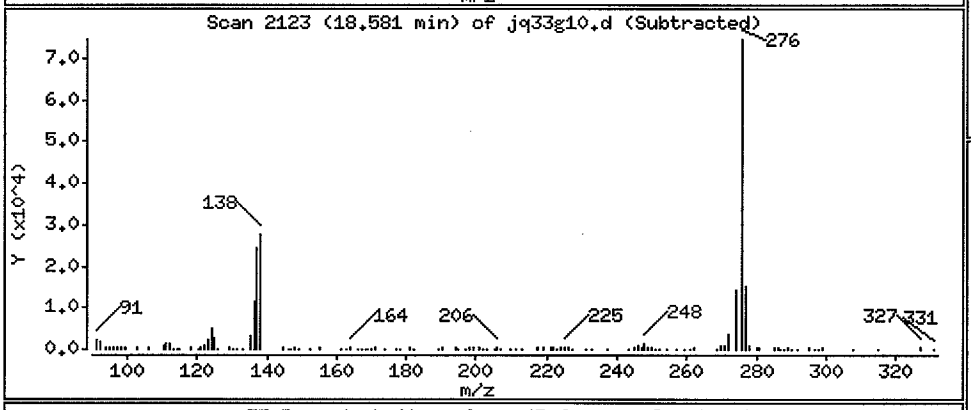
Column diameter: 0.25

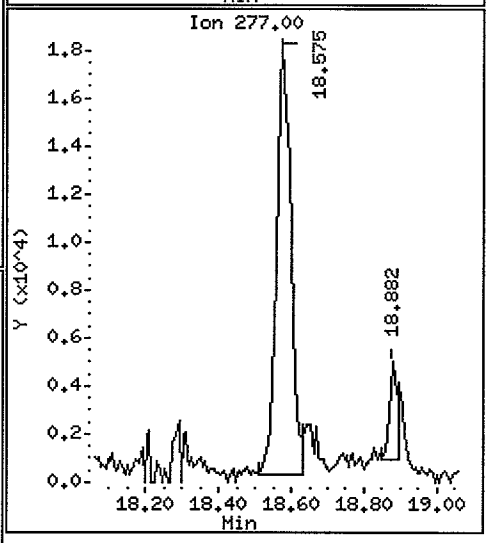
35 Benzo(g,h,i)perylene

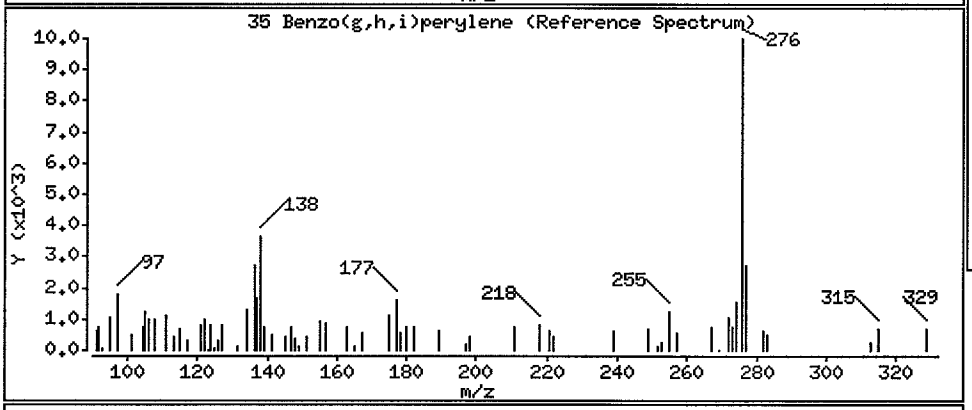
Concentration: 952.9 ug/kg

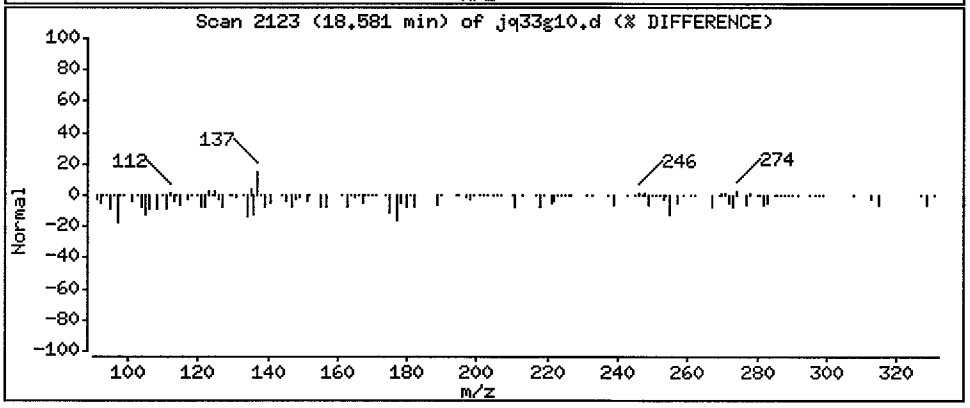












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

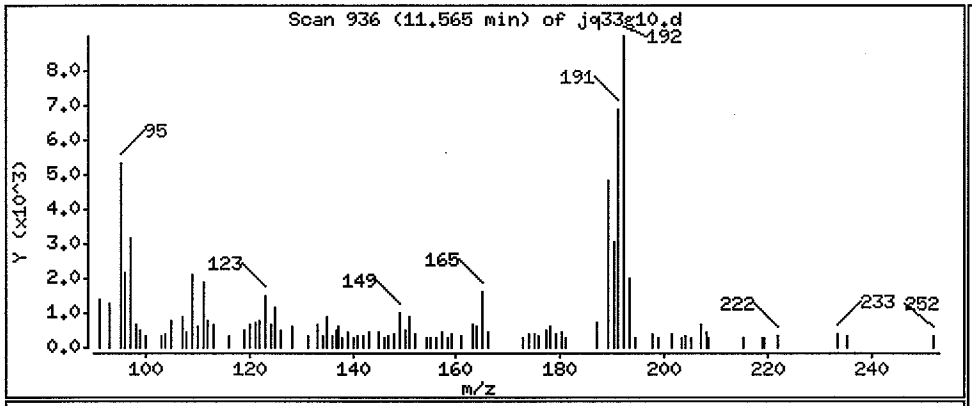
Operator: VTS

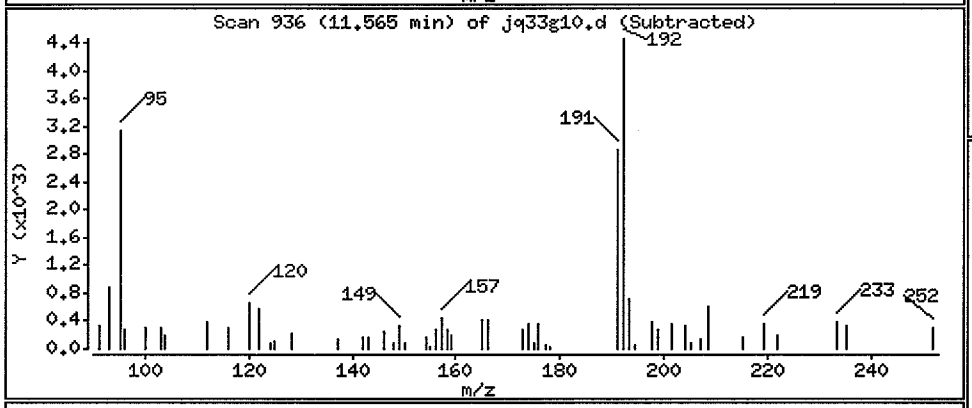
Column phase: ZB-5

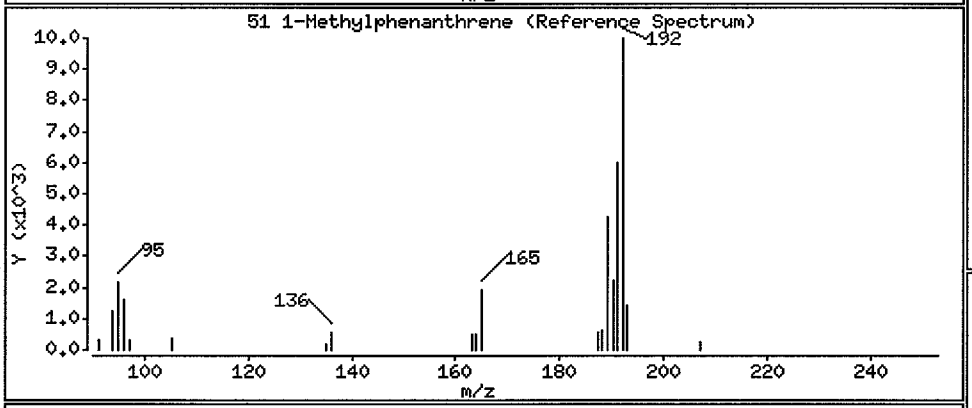
Column diameter: 0.25

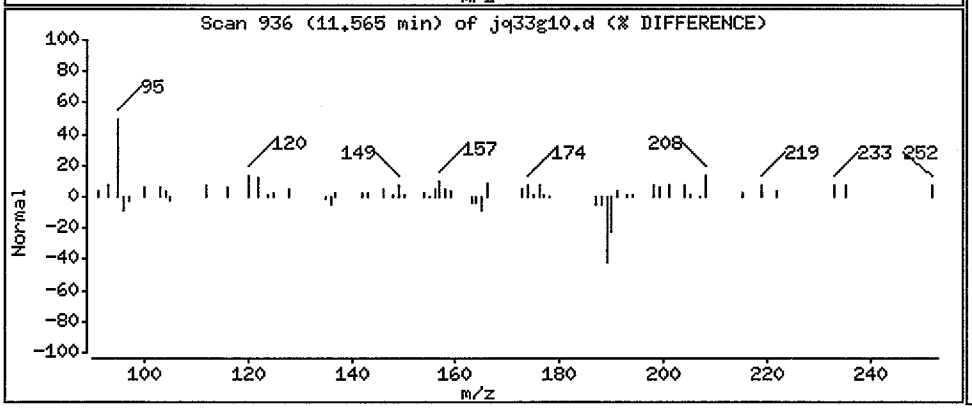
51 1-Methylphenanthrene

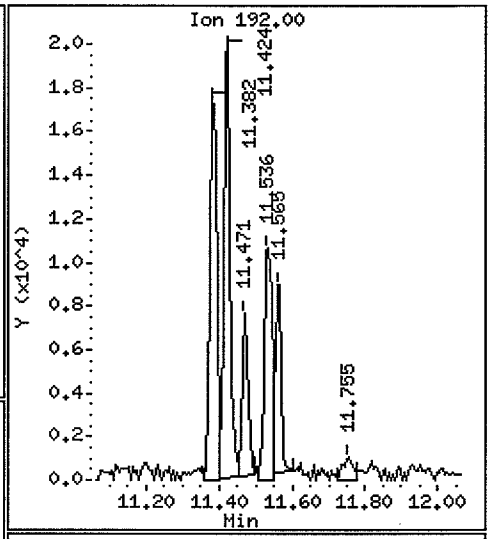
Concentration: 65.35 ug/kg

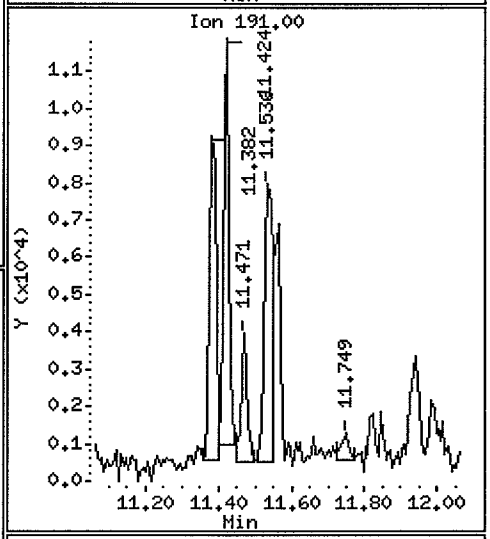


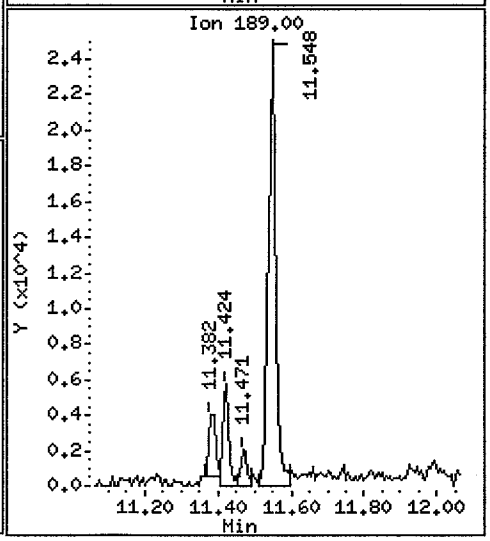












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

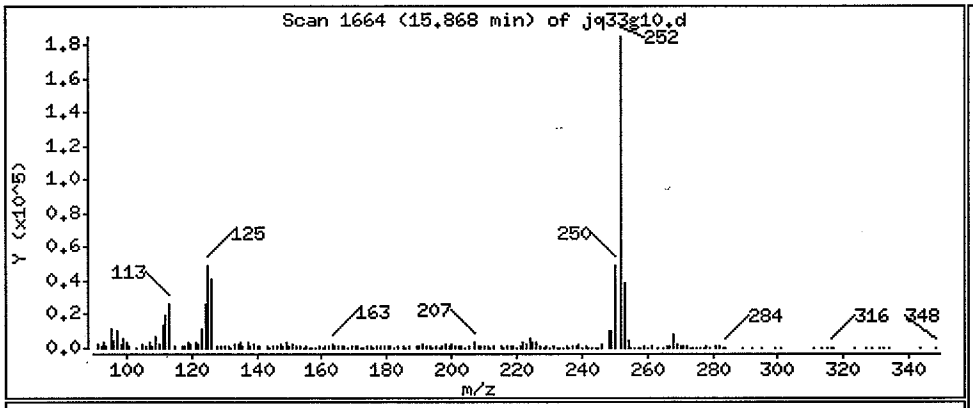
Operator: VTS

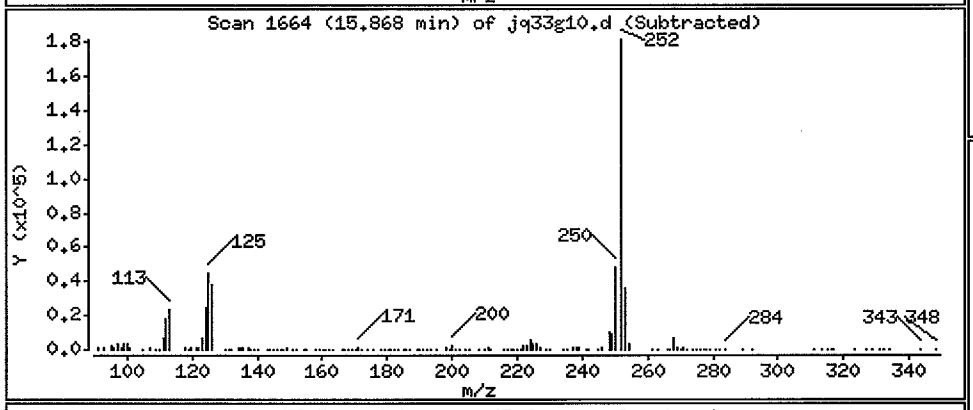
Column phase: ZB-5

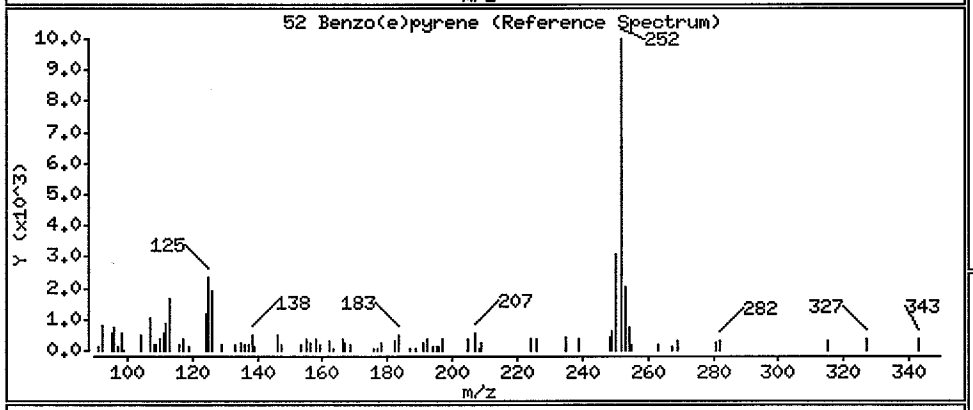
Column diameter: 0.25

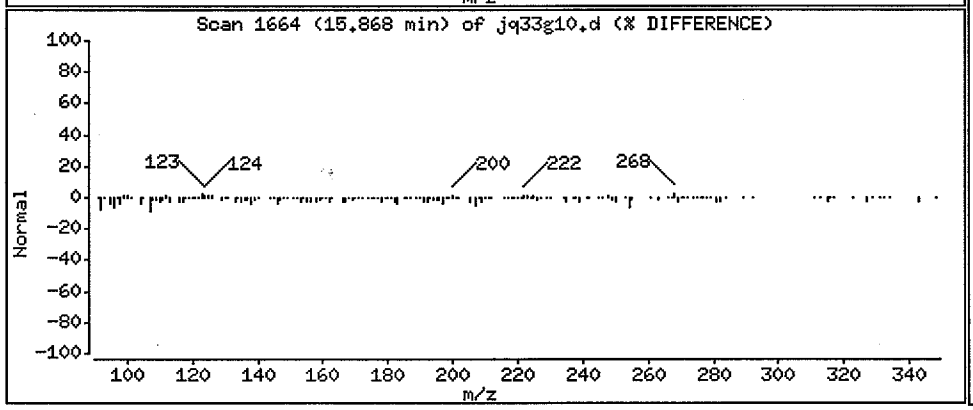
52 Benzo(e)pyrene

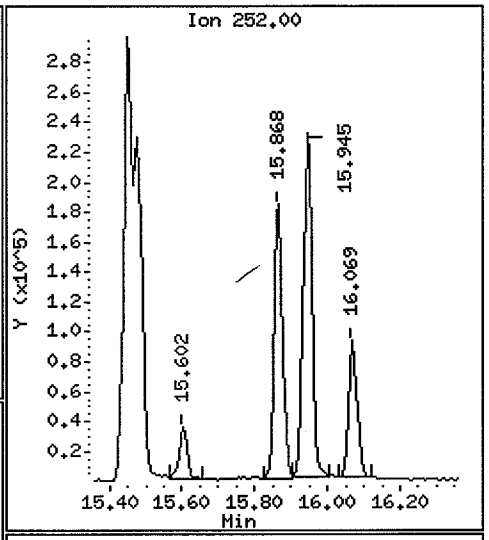
Concentration: 1183 ug/kg

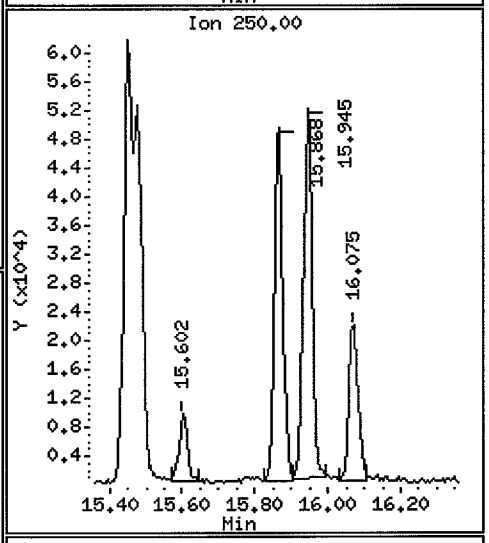


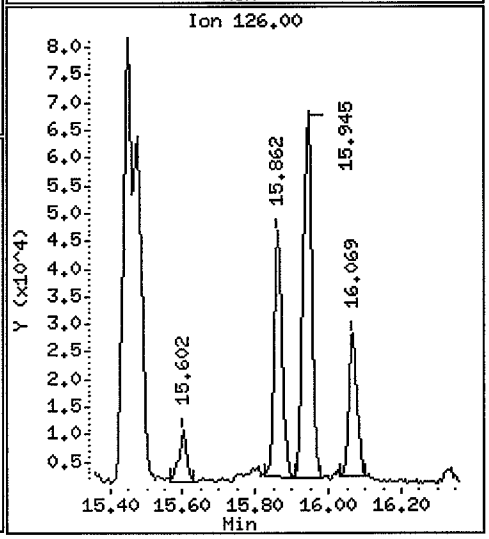












Data File: /chem3/nt1.i/20060804.b/jq33g10.d

Date : 04-AUG-2006 17:51

Client ID: T4-B414-03-A

Instrument: nt1.i

Sample Info: JQ33G,10

Volume Injected (uL): 1.0

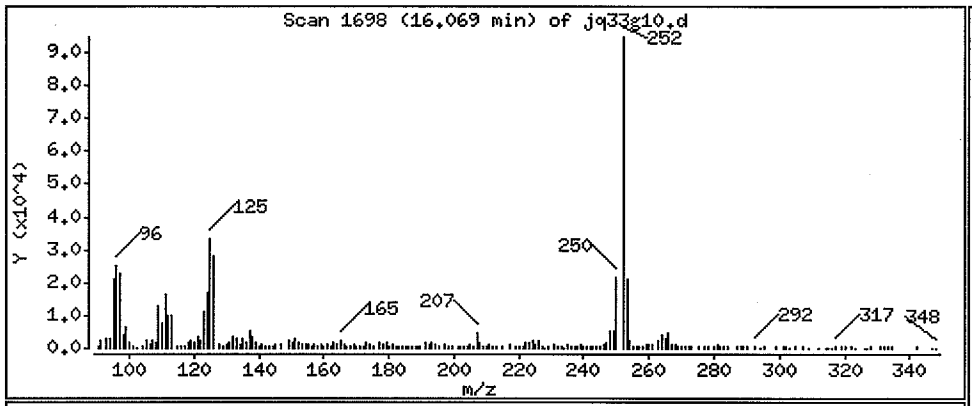
Operator: VTS

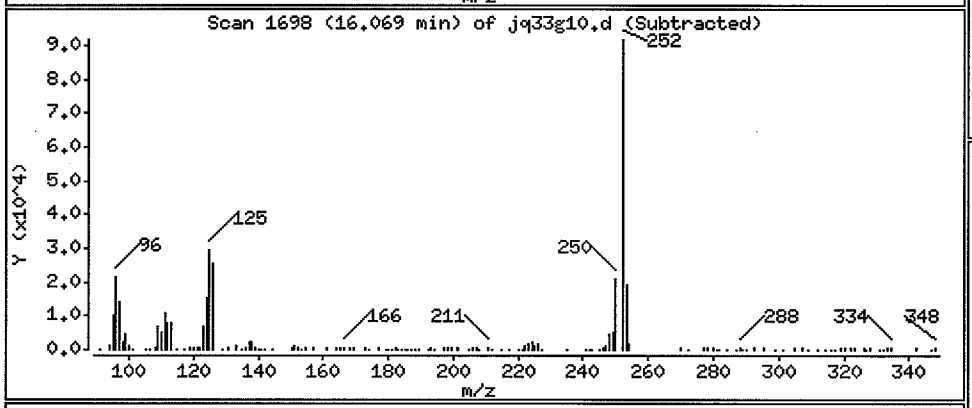
Column phase: ZB-5

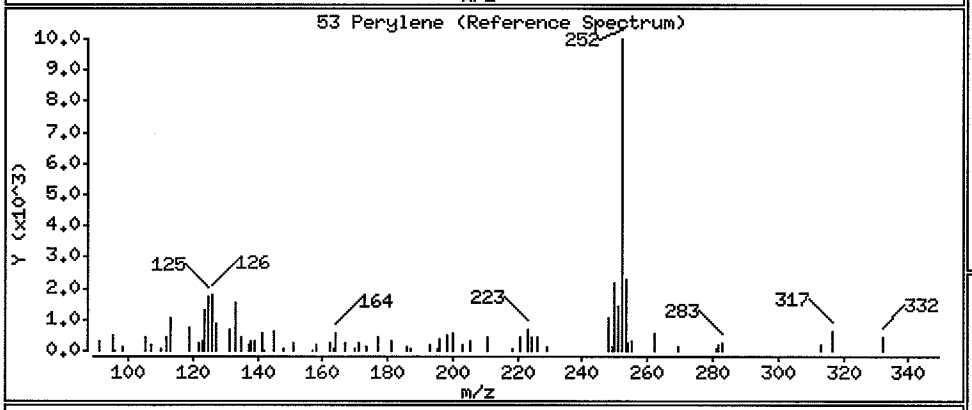
Column diameter: 0.25

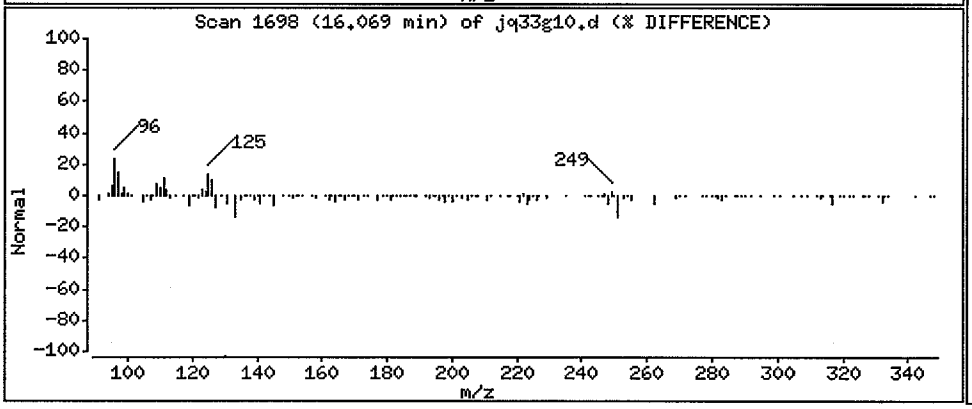
53 Perylene

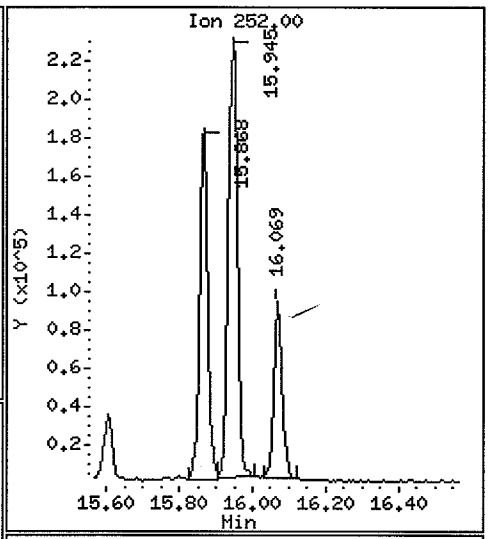
Concentration: 625.5 ug/kg

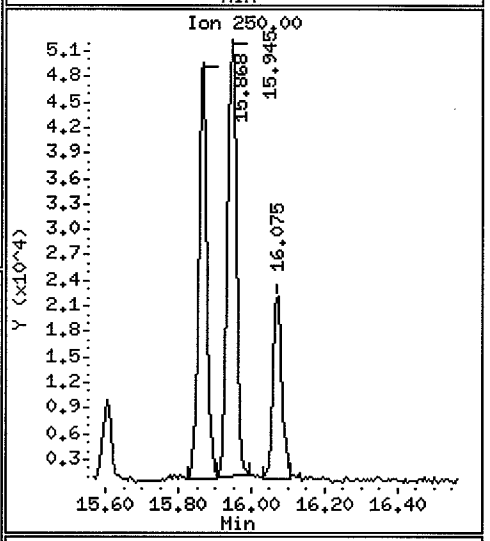


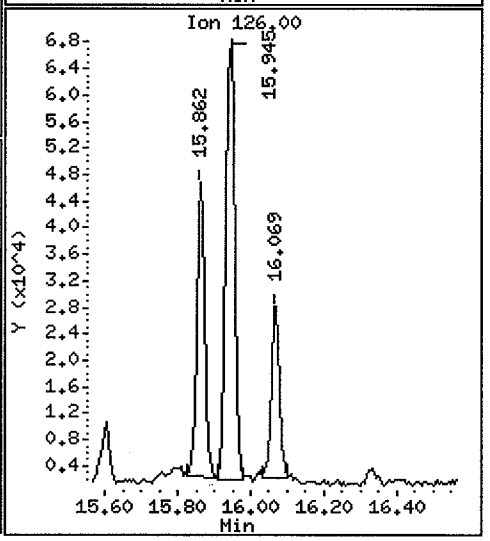












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-03-B
SAMPLE

Lab Sample ID: JQ33H
LIMS ID: 06-12930
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 18:16
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.4 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 50.4%
pH: 7.0

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**48**	**82**
91-57-6	**2-Methylnaphthalene**	**48**	**48**
90-12-0	1-Methylnaphthalene	48	< 48 U
208-96-8	Acenaphthylene	48	< 48 U
83-32-9	**Acenaphthene**	**48**	**210**
86-73-7	**Fluorene**	**48**	**130**
85-01-8	**Phenanthrene**	**48**	**1,200 B**
120-12-7	**Anthracene**	**48**	**190**
206-44-0	**Fluoranthene**	**48**	**2,300**
129-00-0	**Pyrene**	**48**	**1,800**
56-55-3	**Benzo(a)anthracene**	**48**	**1,100**
218-01-9	**Chrysene**	**48**	**1,600**
205-99-2	**Benzo(b)fluoranthene**	**48**	**1,600**
207-08-9	**Benzo(k)fluoranthene**	**48**	**1,300**
50-32-8	**Benzo(a)pyrene**	**48**	**1,400**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**48**	**780**
53-70-3	**Dibenz(a,h)anthracene**	**48**	**290**
191-24-2	**Benzo(g,h,i)perylene**	**48**	**810**
198-55-0	**Perylene**	**48**	**630**
92-52-4	Biphenyl	48	< 48 U
581-42-0	2,6-Dimethylnaphthalene	48	< 48 U
832-69-9	**1-Methylphenanthrene**	**48**	**67**
192-97-2	**Benzo(e)pyrene**	**48**	**1,000**
2245-38-7	2,3,5-Trimethylnaphthalene	48	< 48 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	73.7%
d14-Dibenzo(a,h)anthracen	67.3%

0385

YZ 8/7/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33h10.d
Lab Smp Id: JQ33H Client Smp ID: T4-B414-03-B
Inj Date : 04-AUG-2006 18:16
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33H,10
Misc Info : 06-12930
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 20
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	21.00000	Weight of sample extracted (g)
M	50.40000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.884	6.883	(1.000)	269385	2.00000	
	2 Naphthalene	128	6.907	6.907	(1.003)	22412	0.16680	80.07
$	3 2-Methylnaphthalene-d10	152	7.640	7.640	(1.110)	15318	0.22077	106.0
	4 2-Methylnaphthalene	142	7.682	7.681	(1.116)	8260	0.10380	49.83
	5 1-Methylnaphthalene	142	Compound Not Detected.					
	7 Acenaphthylene	152	Compound Not Detected.					
*	8 Acenaphthene-d10	164	8.946	8.946	(1.000)	143637	2.00000	
	9 Acenaphthene	153	8.988	8.987	(1.005)	30073	0.42640	204.7
	10 Dibenzofuran	168	9.177	9.170	(1.026)	12679	0.12205	58.59
	11 Fluorene	166	9.596	9.596	(1.073)	22215	0.27469	131.9
*	15 Phenanthrene-d10	188	10.761	10.760	(1.000)	230650	2.00000	
	16 Phenanthrene	178	10.790	10.790	(1.003)	284296	2.40137 B	1153
	17 Anthracene	178	10.844	10.843	(1.008)	45830	0.38737	186.0
	19 Fluoranthene	202	12.286	12.279	(1.142)	568242	4.70579	2259

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	20 Pyrene	202	12.575	12.569	(0.893)	487577	3.63124	1743
	22 Benzo(a)anthracene	228	14.053	14.052	(0.998)	287694	2.28473	1097
*	23 Chrysene-d12	240	14.076	14.070	(1.000)	209106	2.00000	
	24 Chrysene	228	14.106	14.105	(1.002)	380684	3.27770	1573
	28 Benzo(b)fluoranthene	252	15.453	15.447	(0.964)	409334	3.41430	1639
	29 Benzo(k)fluoranthene	252	15.477	15.476	(0.965)	355509	2.78149	1335
	30 Benzo(a)pyrene	252	15.950	15.938	(0.995)	335612	2.87291	1379
*	31 Perylene-d12	264	16.033	16.026	(1.000)	212426	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.995	17.988	(1.122)	218977	1.62999	782.4
$	32 Dibenz(a,h)anthrancene-d14	292	17.924	17.906	(1.118)	16404	0.20178	96.86
	34 Dibenz(a,h)anthracene	278	17.977	17.976	(1.121)	66335	0.60443	290.1
	35 Benzo(g,h,i)perylene	276	18.580	18.562	(1.159)	188533	1.68826	810.4
	48 Biphenyl	154	Compound Not Detected.					
	49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
	50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
	51 1-Methylphenanthrene	192	11.565	11.564	(0.822)	11659	0.13621	65.39
	52 Benzo(e)pyrene	252	15.867	15.861	(0.990)	269031	2.08052	998.7
	53 Perylene	252	16.074	16.068	(1.003)	160484	1.32181	634.5

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33h10.d
Lab Smp Id: JQ33H
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12930

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: T4-B414-03-B
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	269385	20.90
8 Acenaphthene-d10	123591	61796	247182	143637	16.22
15 Phenanthrene-d10	200797	100398	401594	230650	14.87
23 Chrysene-d12	171210	85605	342420	209106	22.13
31 Perylene-d12	183426	91713	366852	212426	15.81

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.01
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.01
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.01
23 Chrysene-d12	14.08	13.58	14.58	14.08	-0.01
31 Perylene-d12	16.03	15.53	16.53	16.03	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33H
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12930

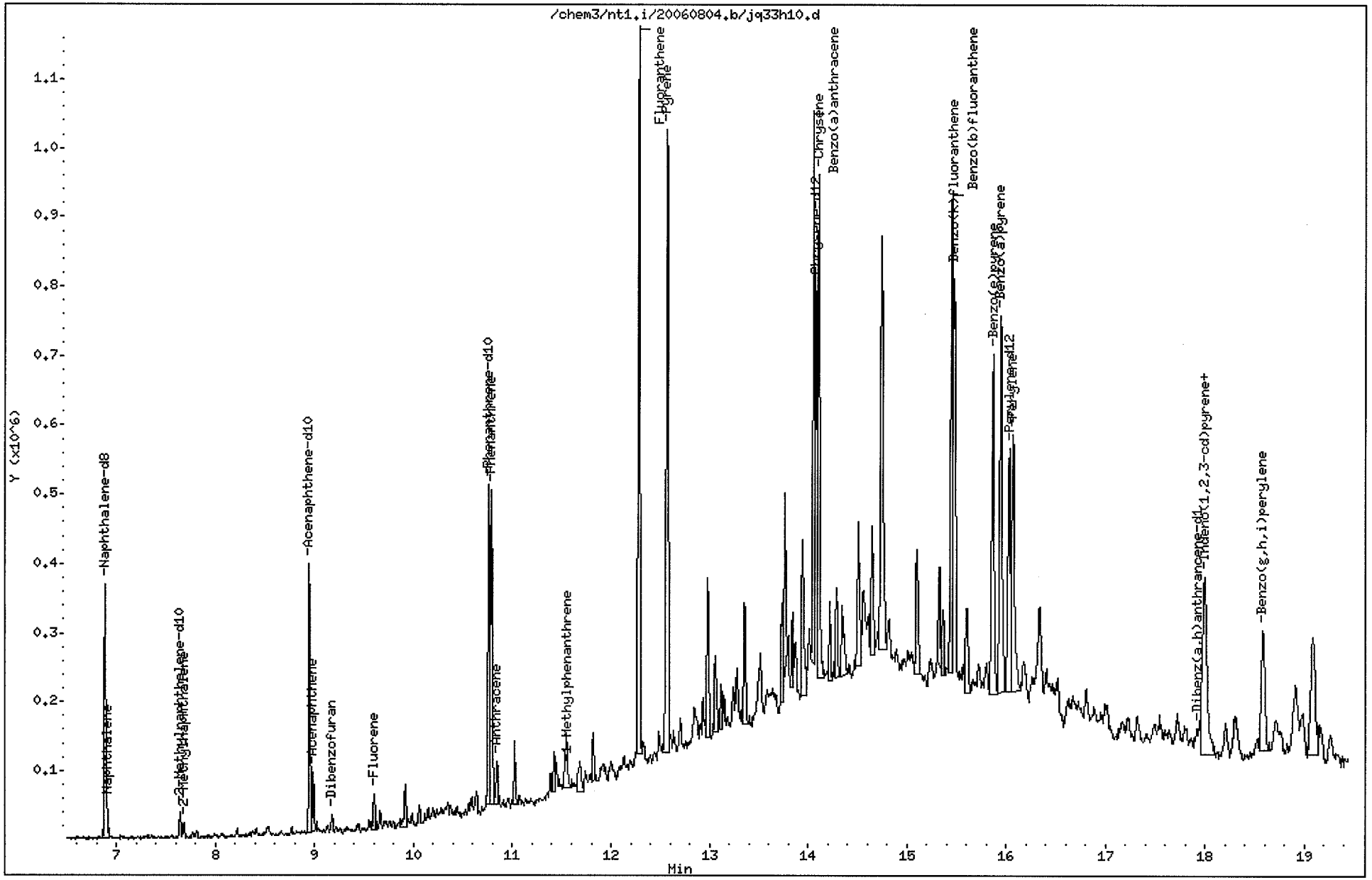
Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-03-B
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	144.0	106.0	73.59	32-97
$ 32 Dibenz(a,h)anthran	144.0	96.86	67.26	21-105

Data File: /chem3/nt1.i/20060804.b/jq33h10.d
Date : 04-AUG-2006 18:16
Client ID: T4-B414-03-B
Sample Info: JQ33H,10
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25

0390



Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

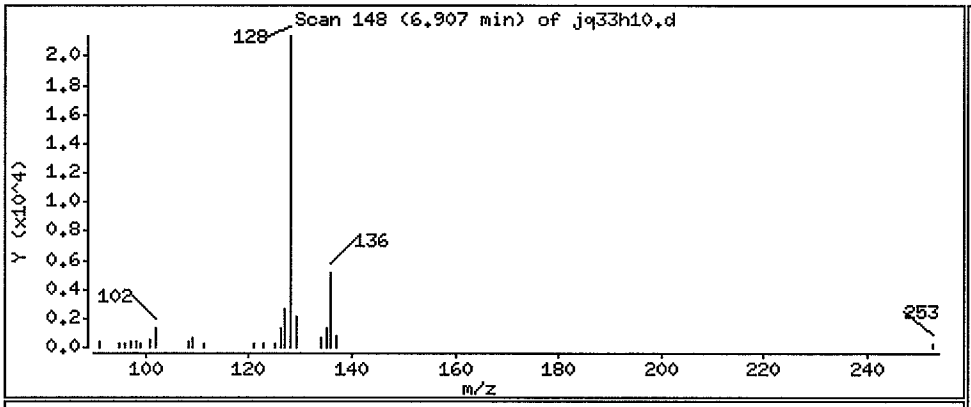
Operator: VTS

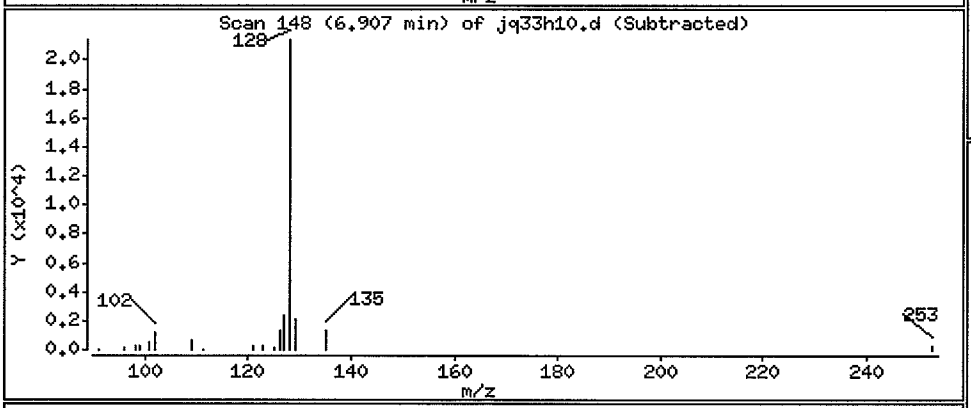
Column phase: ZB-5

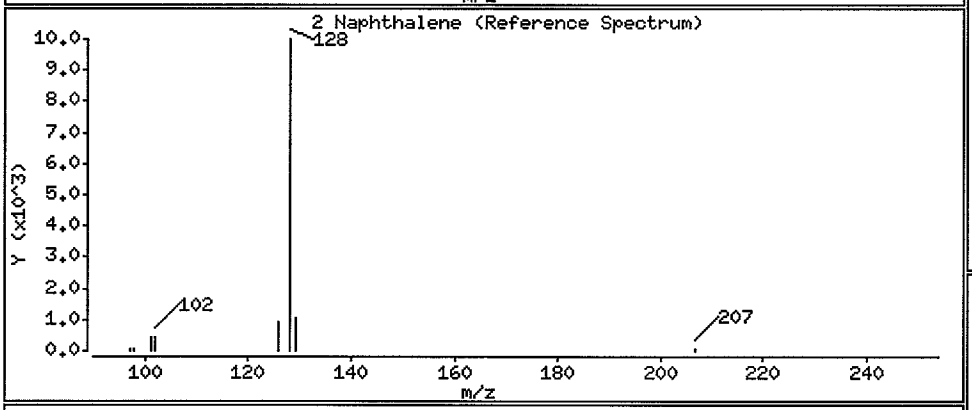
Column diameter: 0.25

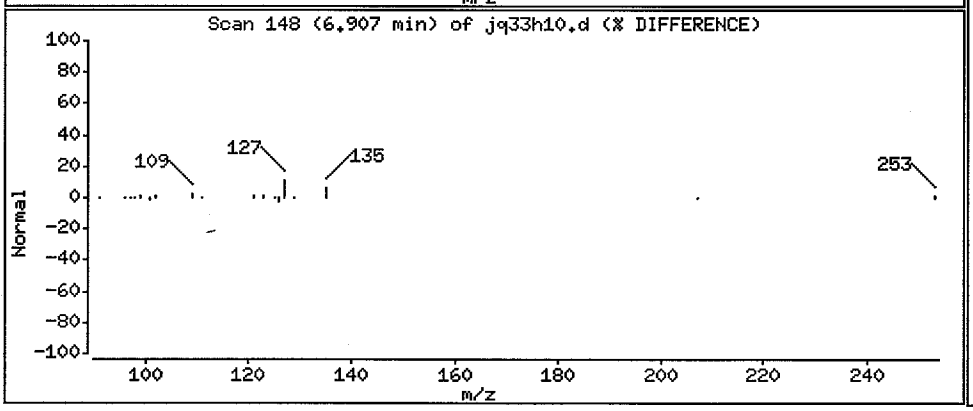
2 Naphthalene

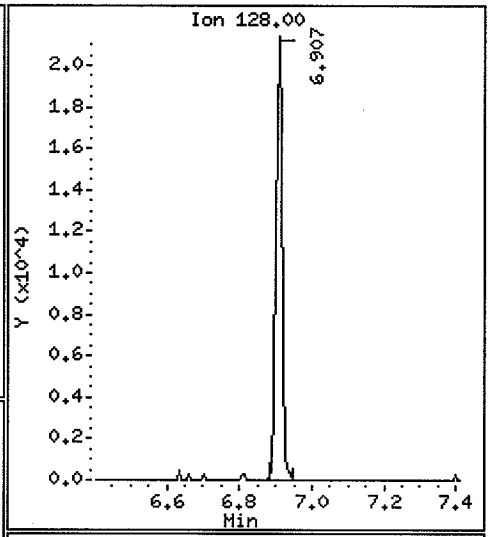
Concentration: 80.07 ug/kg

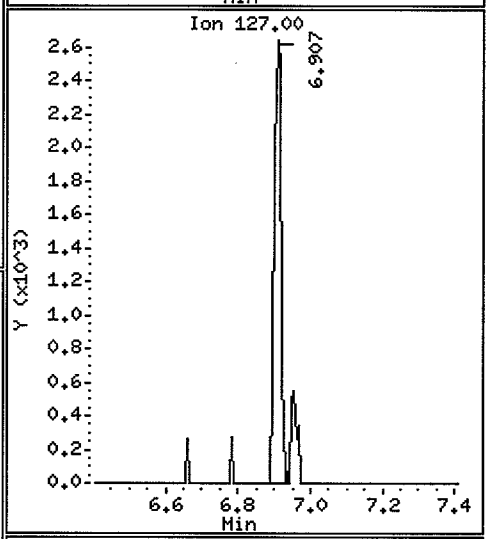


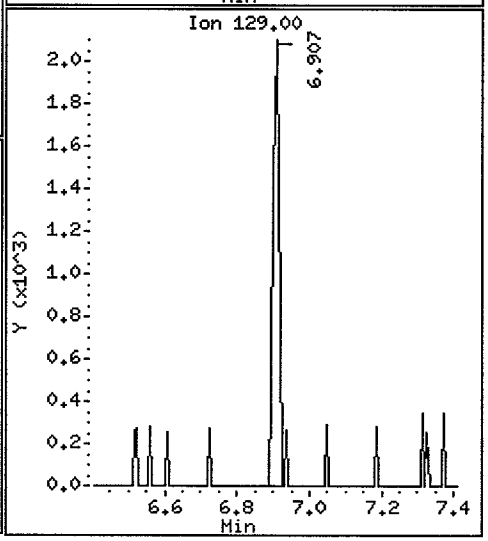












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

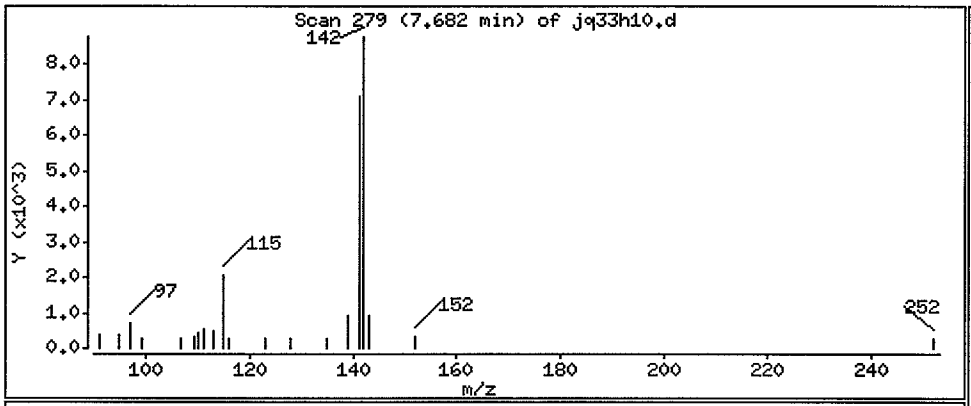
Operator: VTS

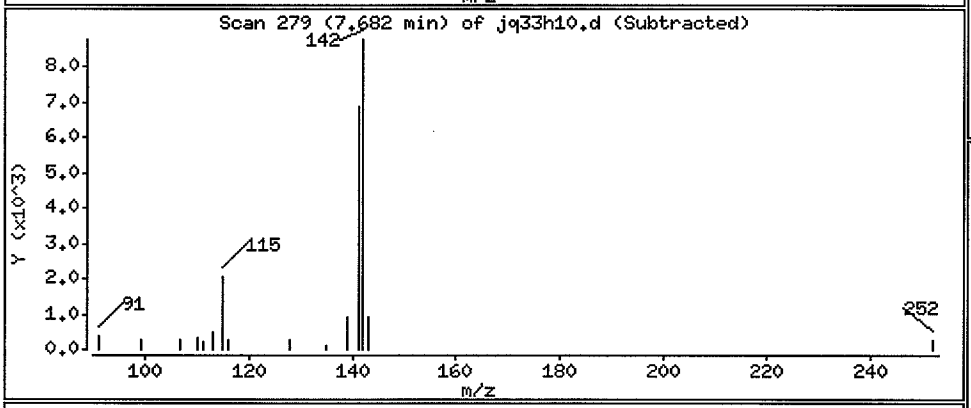
Column phase: ZB-5

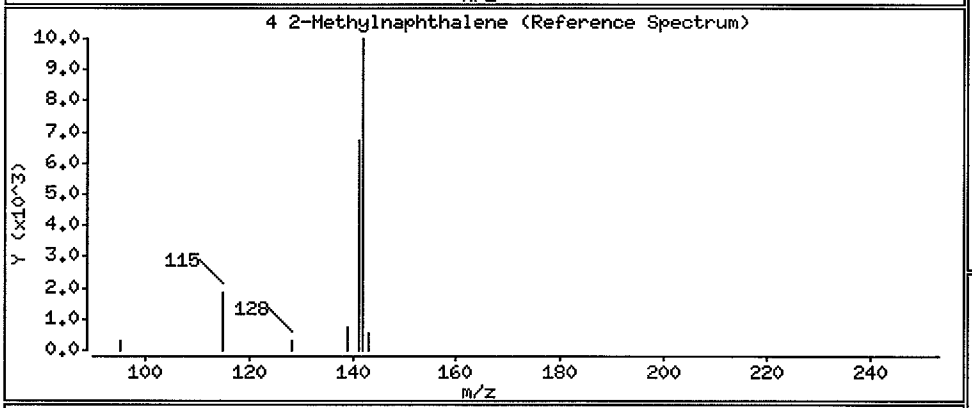
Column diameter: 0.25

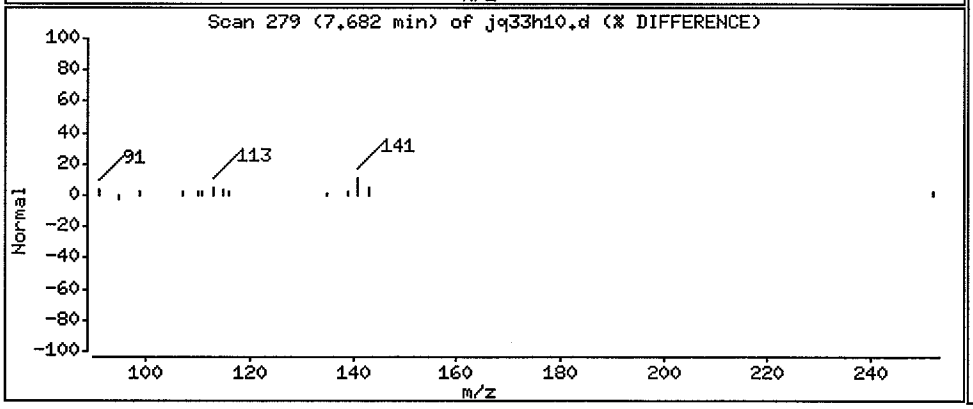
4 2-Methylnaphthalene

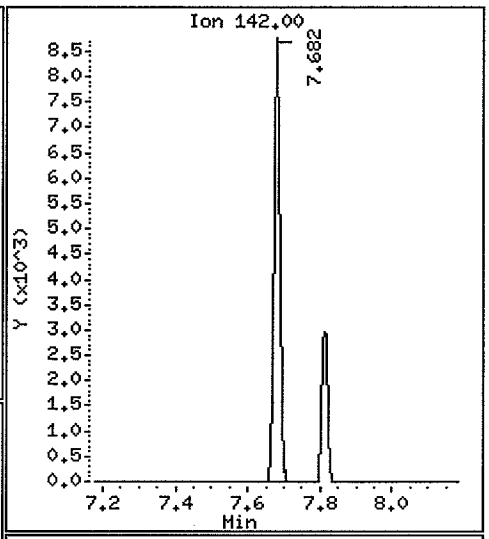
Concentration: 49.83 ug/kg

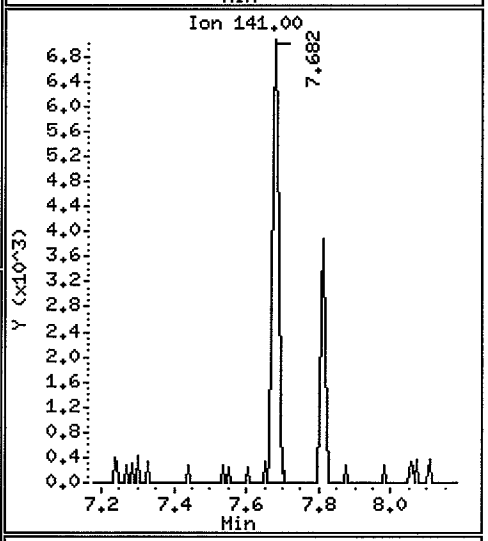


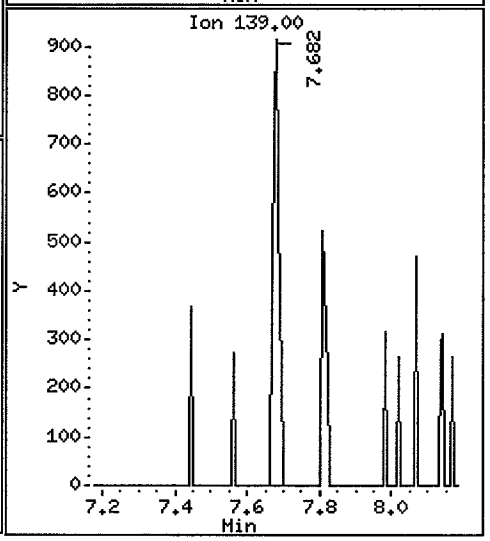












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

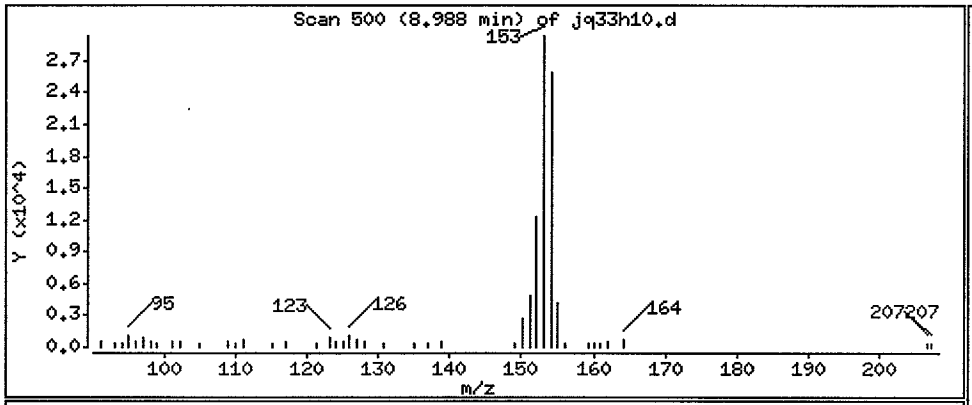
Operator: VTS

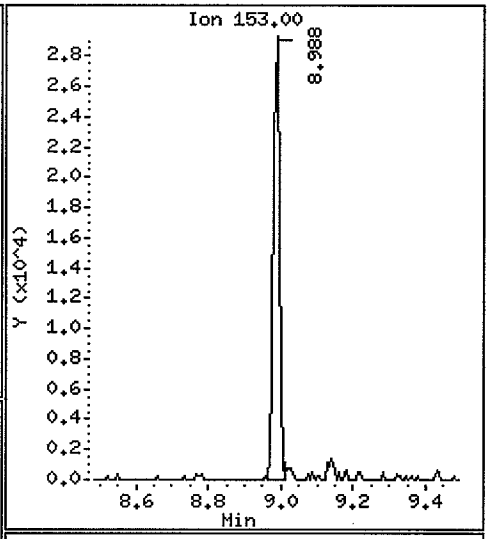
Column phase: ZB-5

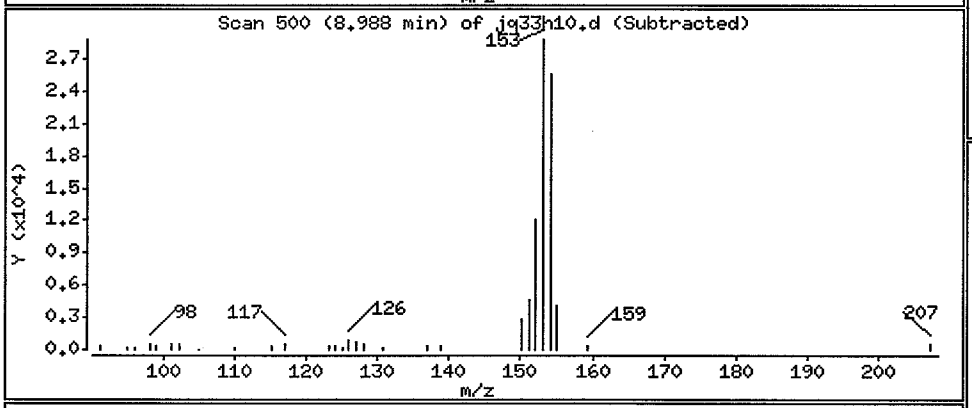
Column diameter: 0.25

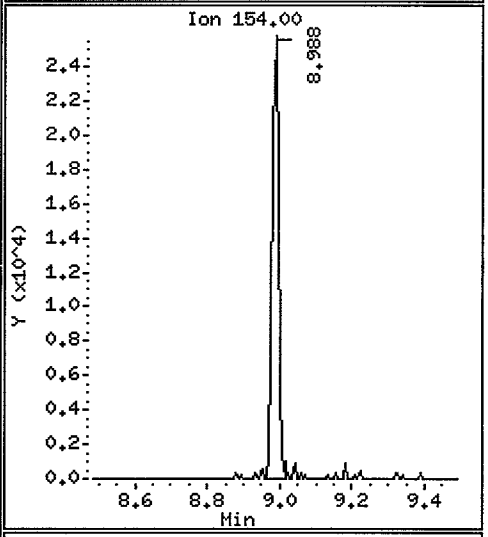
9 Acenaphthene

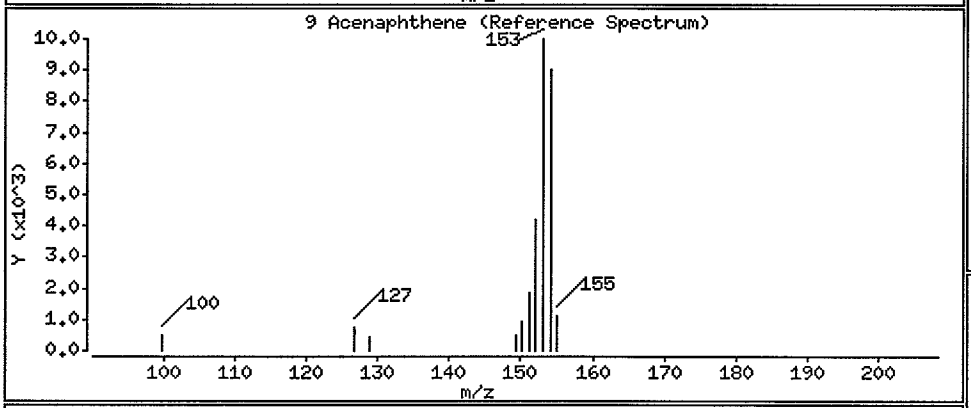
Concentration: 204.7 ug/kg

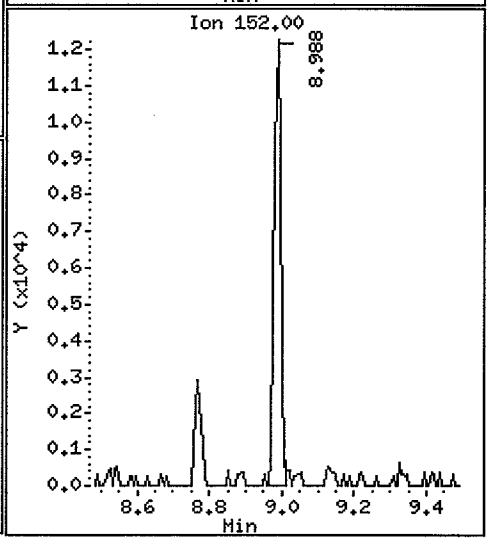


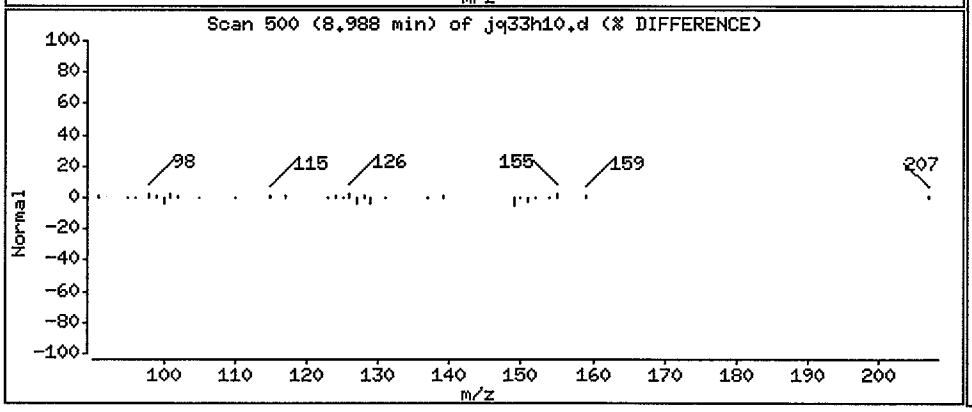












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

Operator: VTS

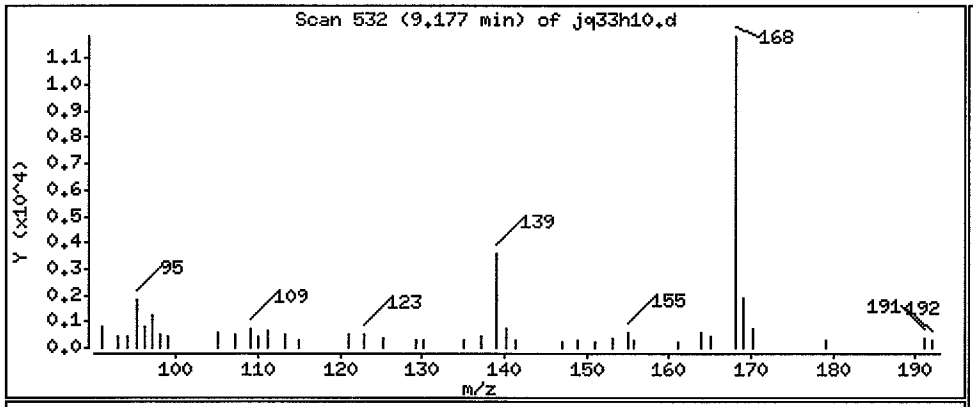
Column phase: ZB-5

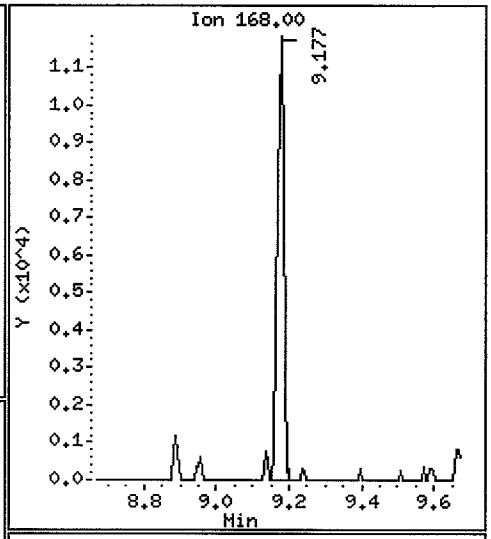
Column diameter: 0.25

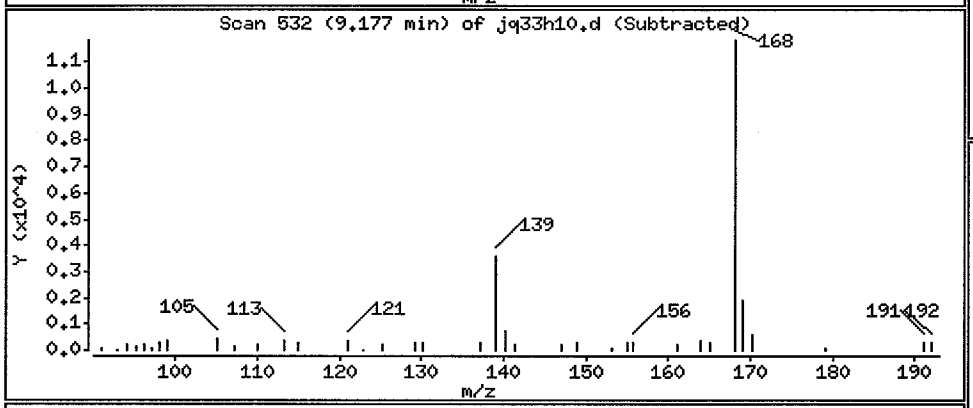
10 Dibenzofuran

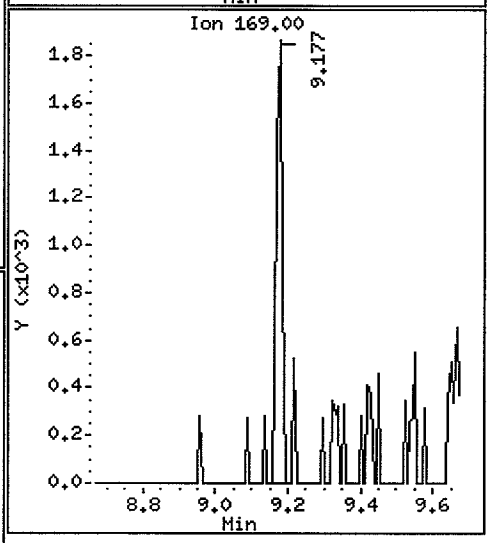
Concentration: 58.59 ug/kg

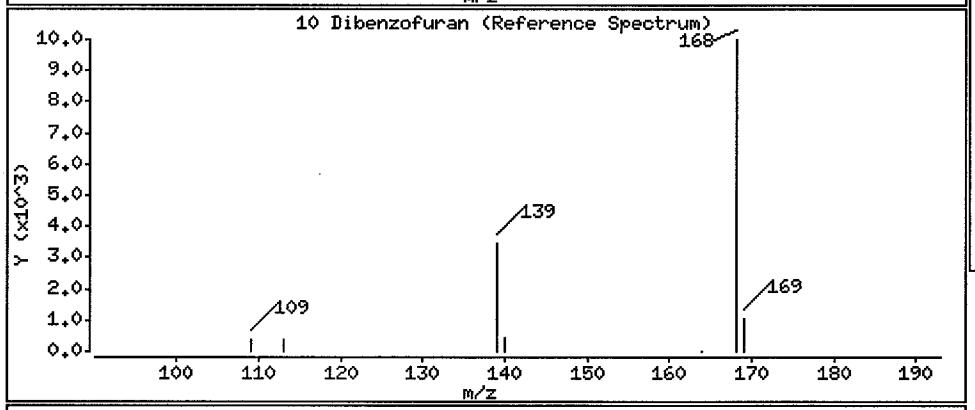
N.R'qd.

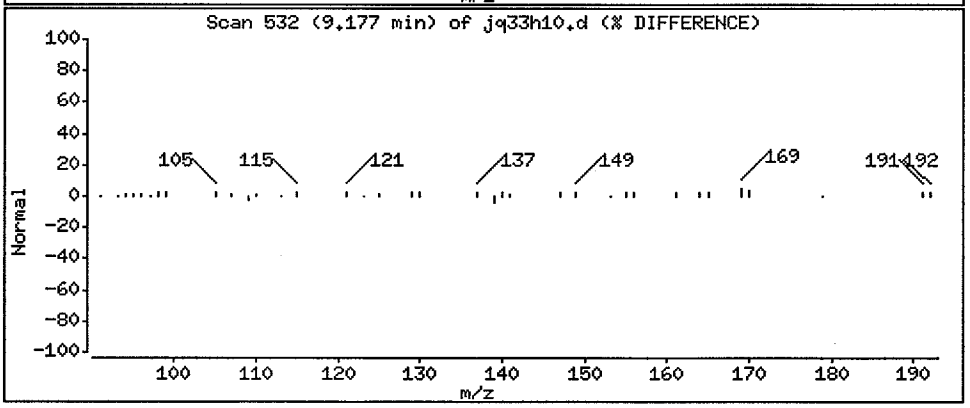












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

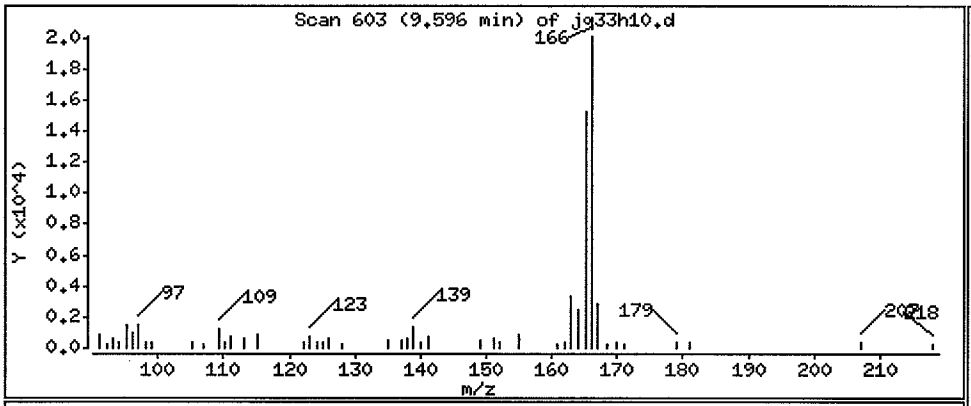
Operator: VTS

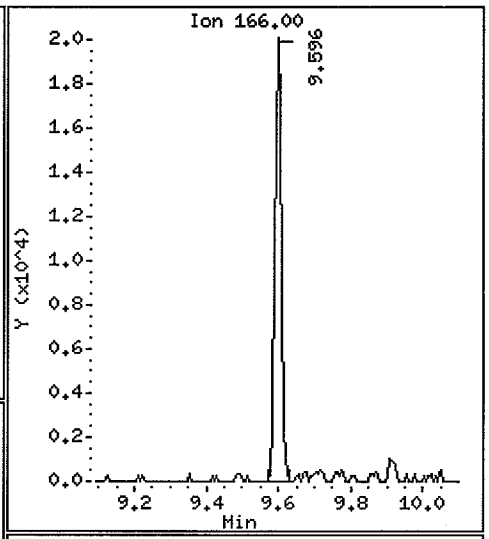
Column phase: ZB-5

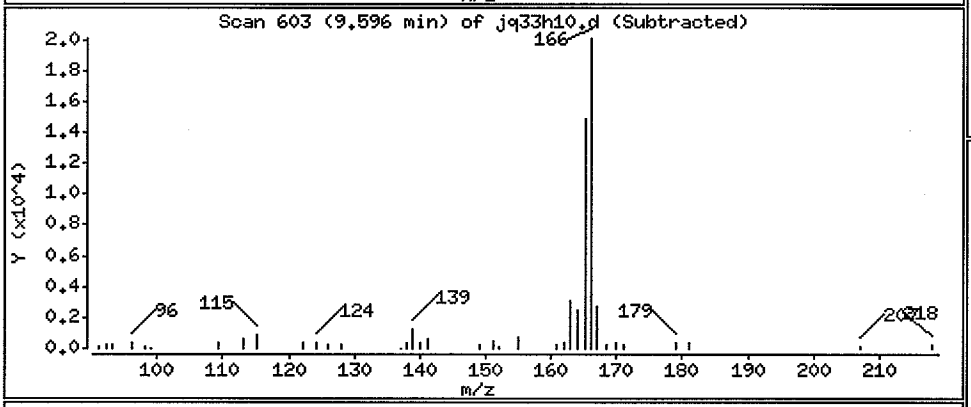
Column diameter: 0.25

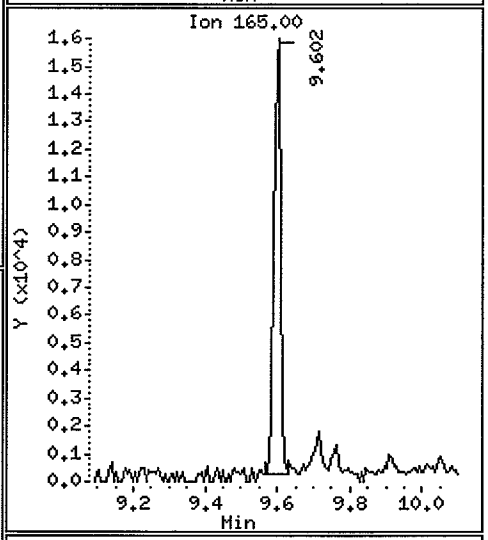
11 Fluorene

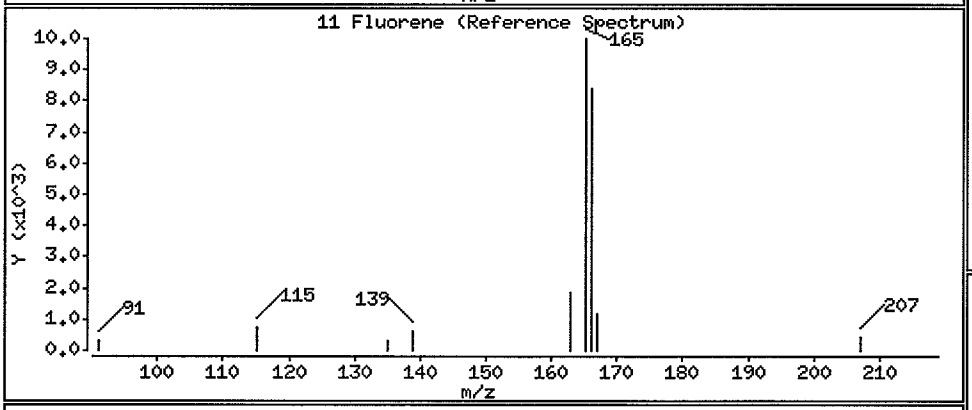
Concentration: 131.9 ug/kg

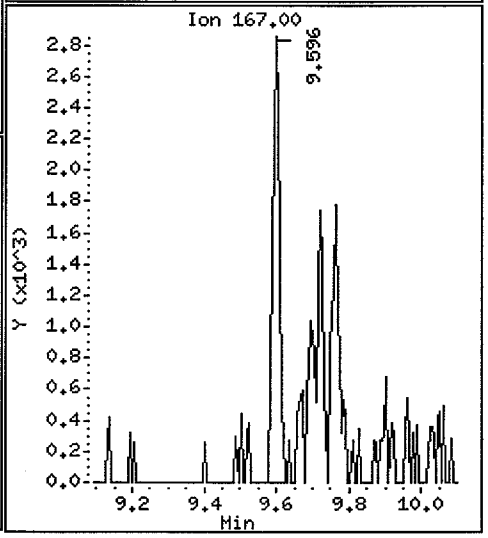


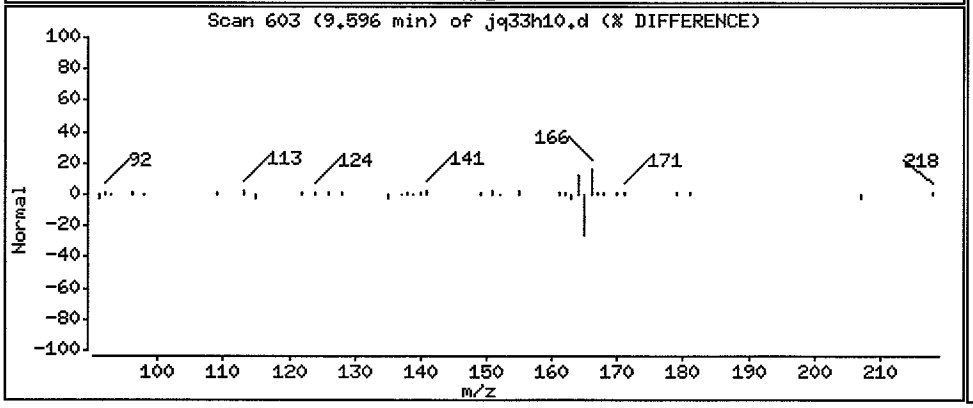












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

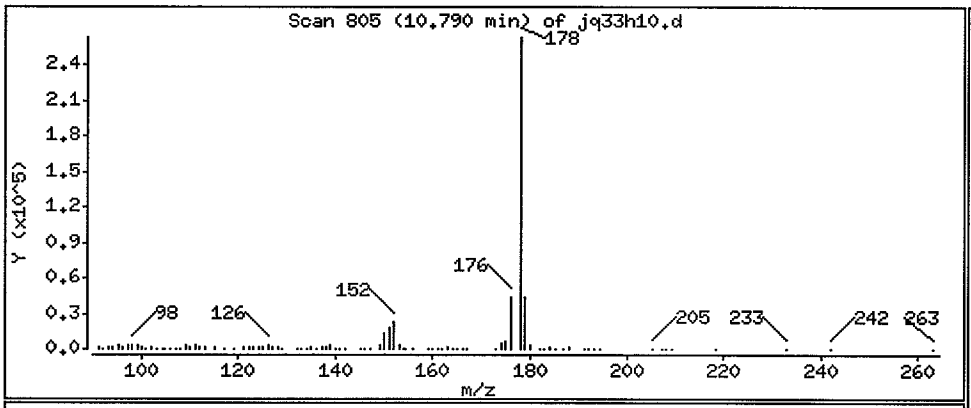
Operator: VTS

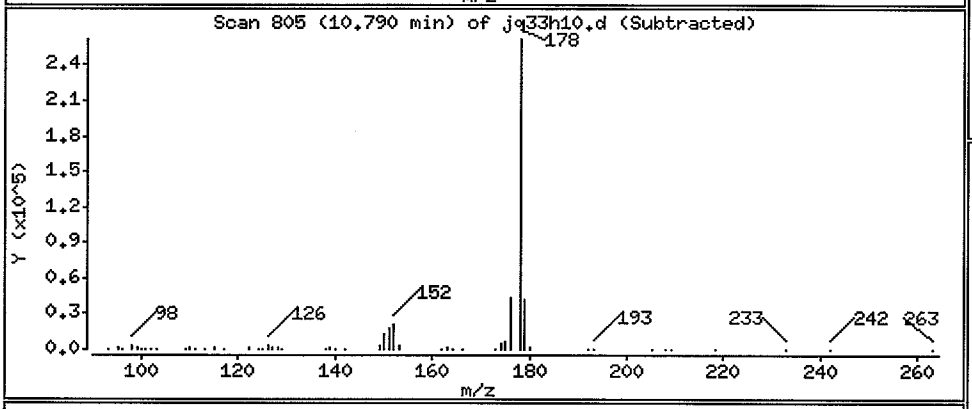
Column phase: ZB-5

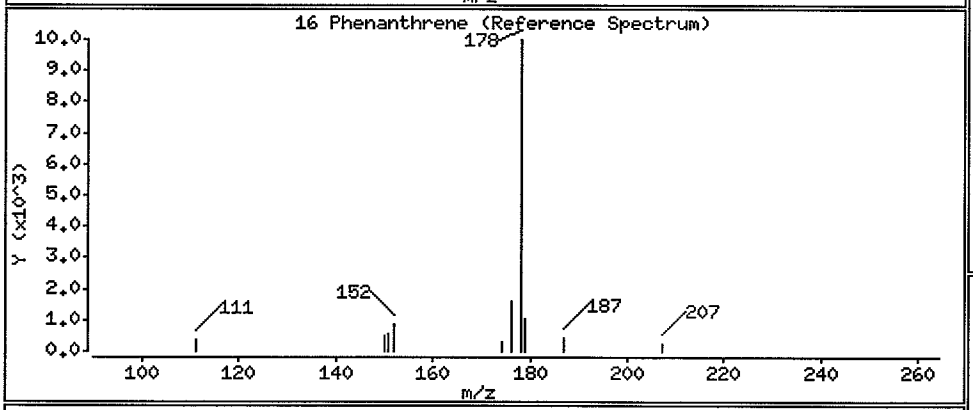
Column diameter: 0.25

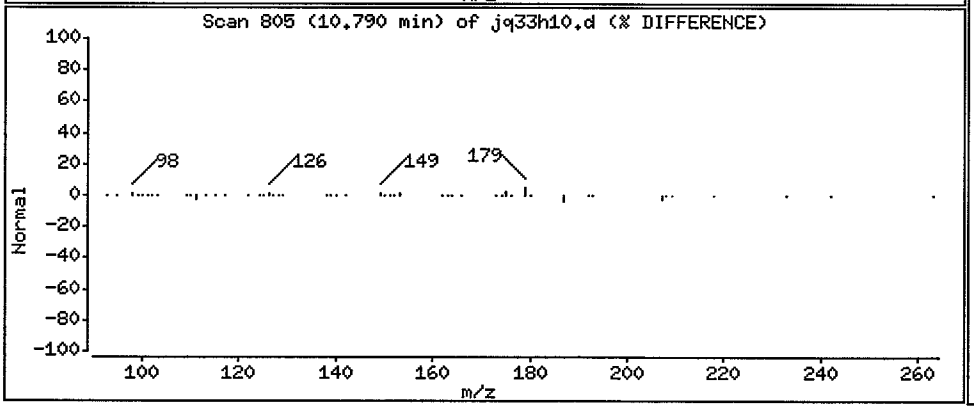
16 Phenanthrene

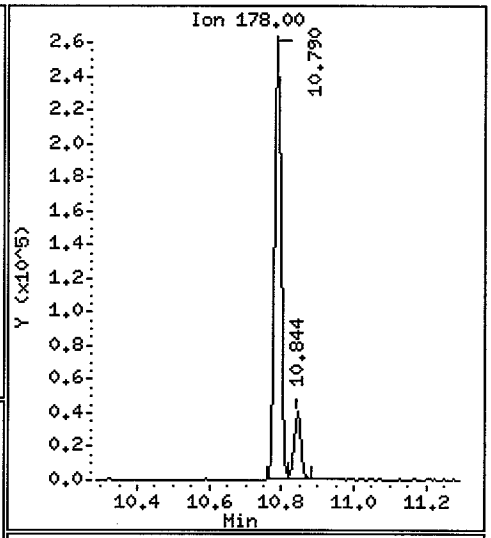
Concentration: 1153 ug/kg

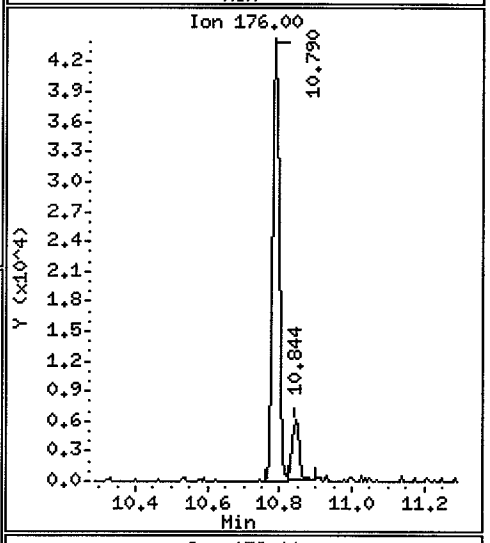


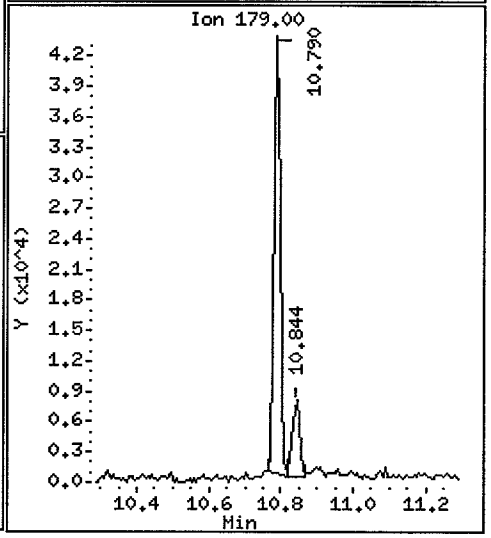












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

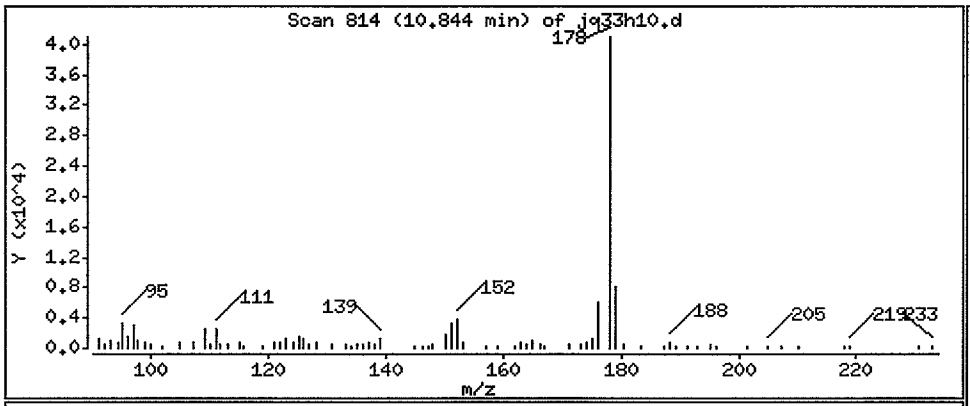
Operator: VTS

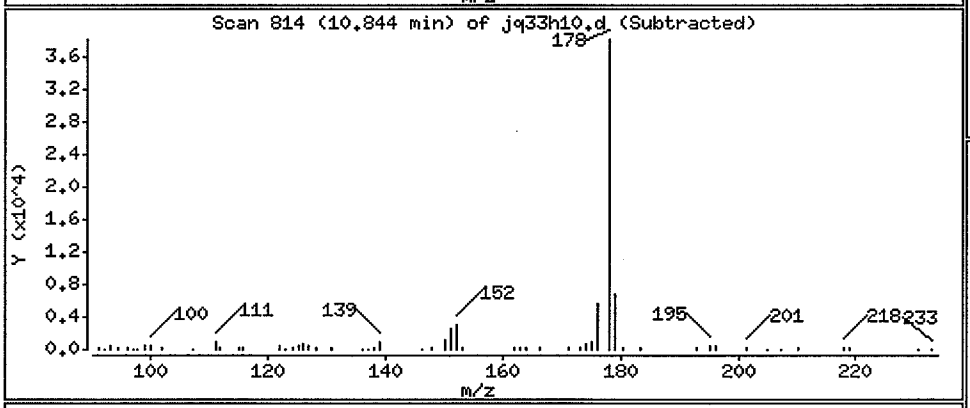
Column phase: ZB-5

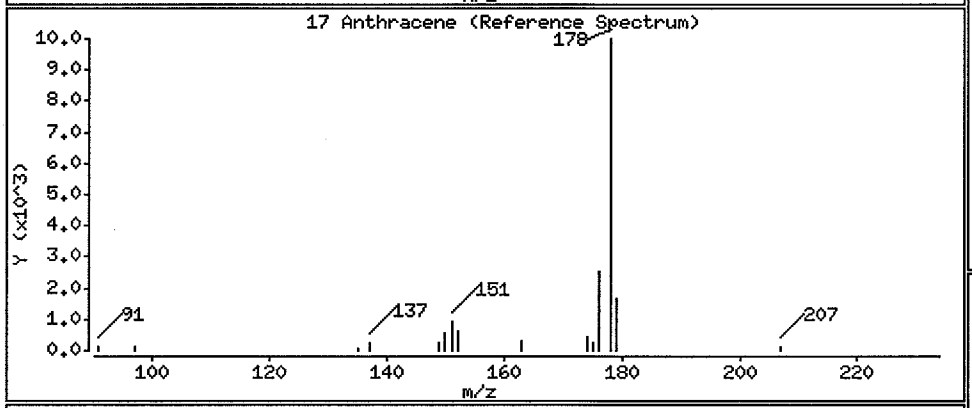
Column diameter: 0.25

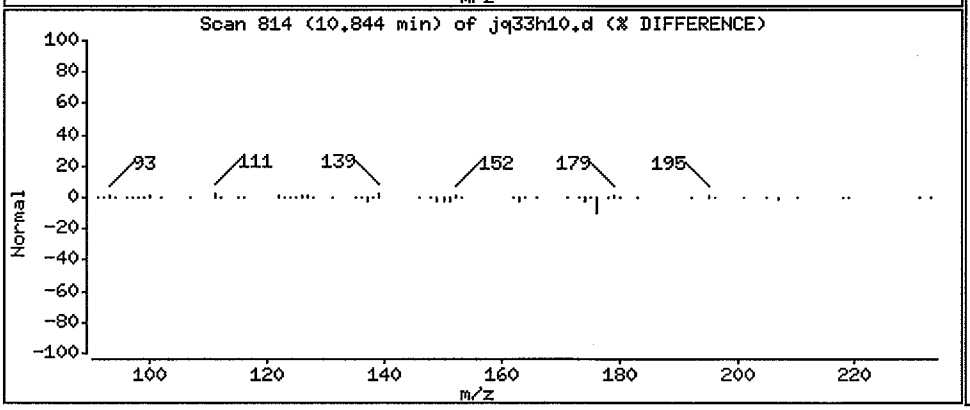
17 Anthracene

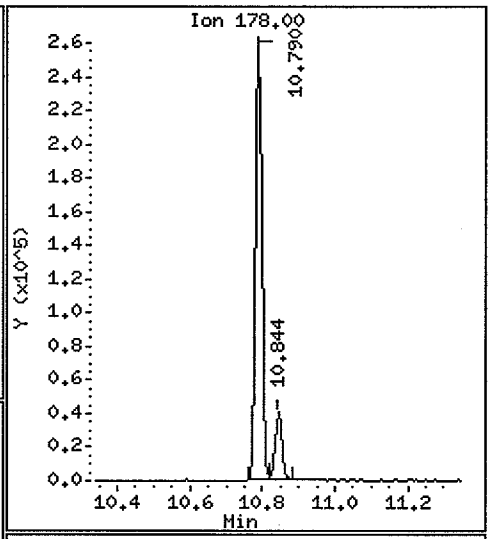
Concentration: 186.0 ug/kg

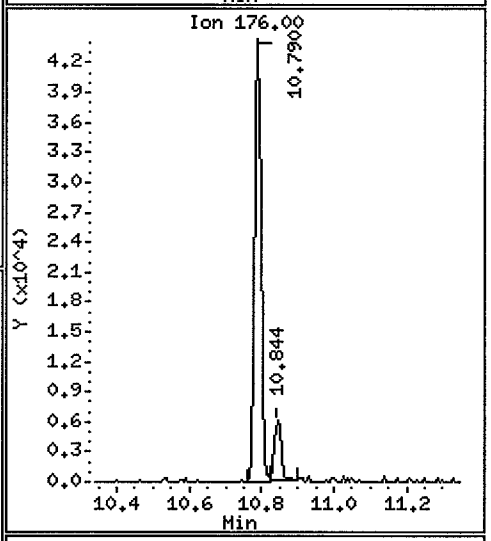


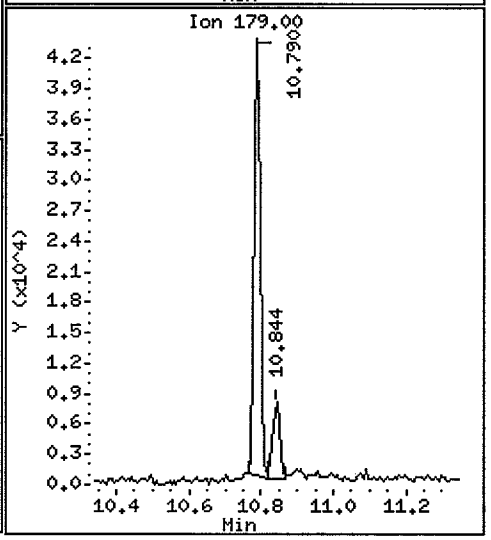












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

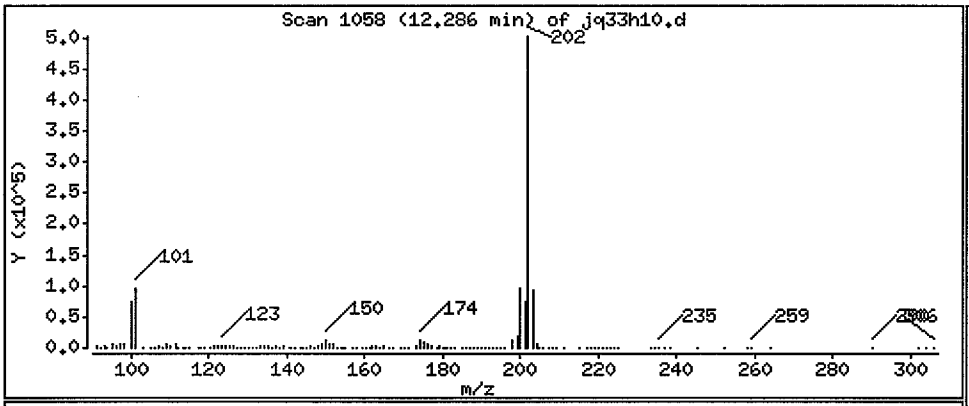
Operator: VTS

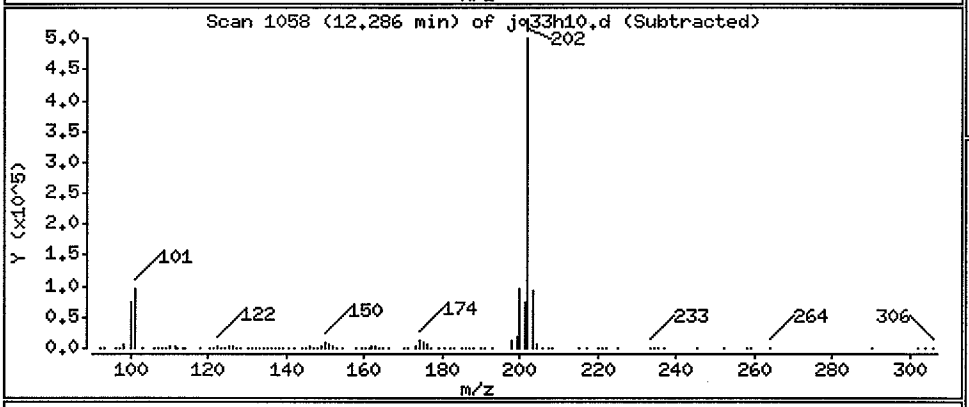
Column phase: ZB-5

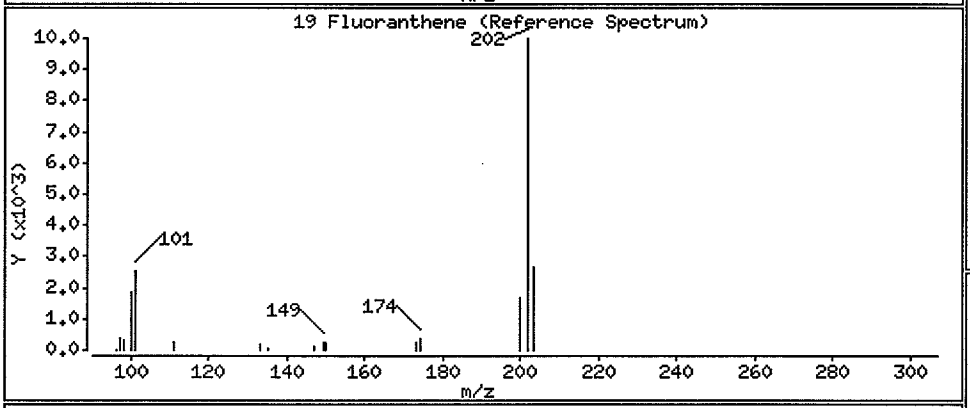
Column diameter: 0.25

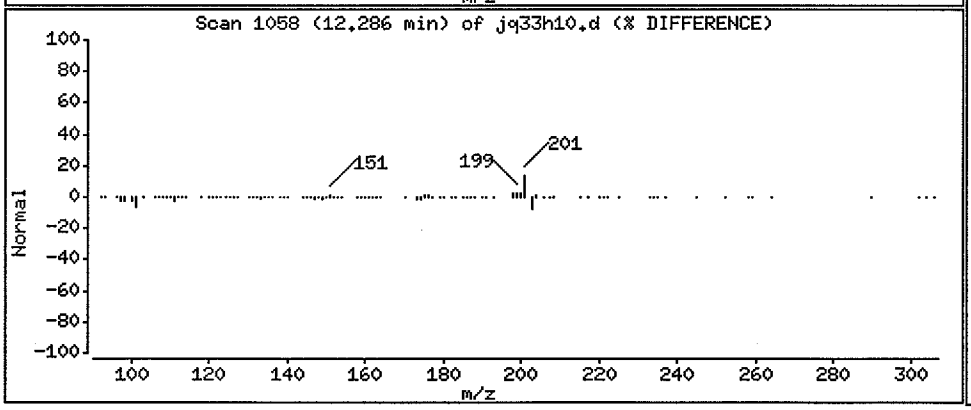
19 Fluoranthene

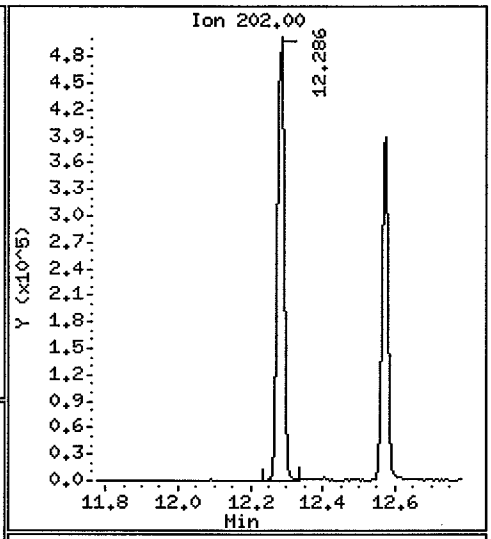
Concentration: 2259 ug/kg

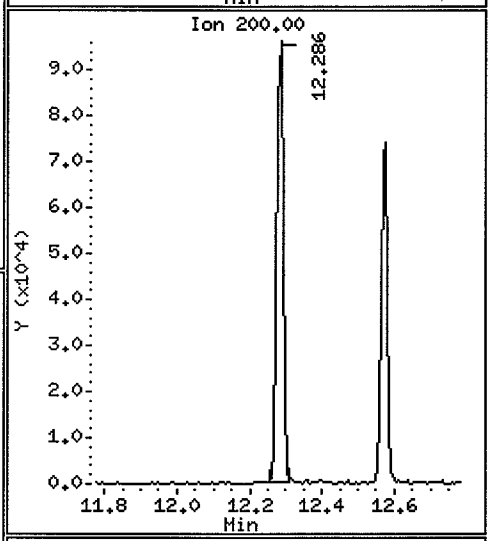


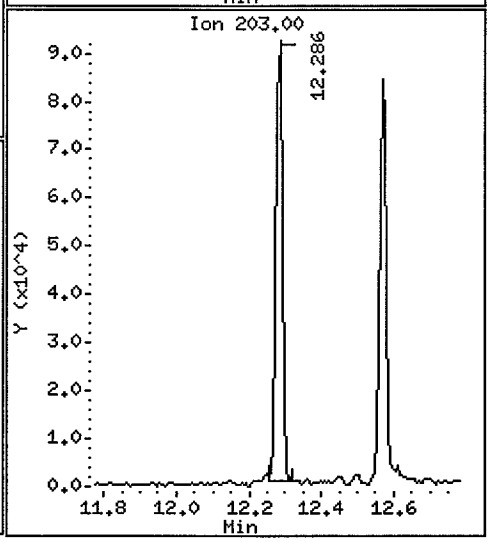












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

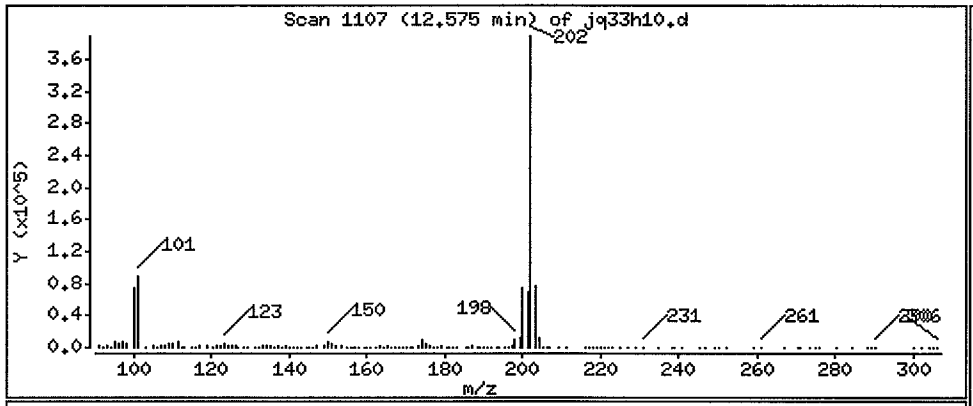
Operator: VTS

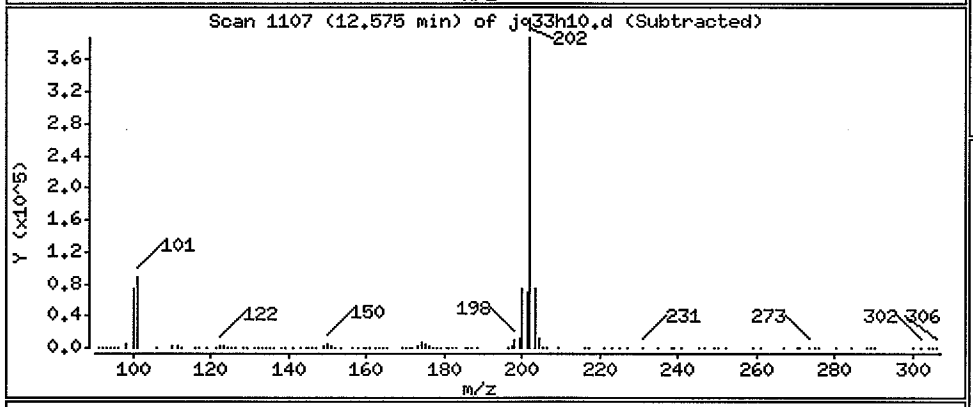
Column phase: ZB-5

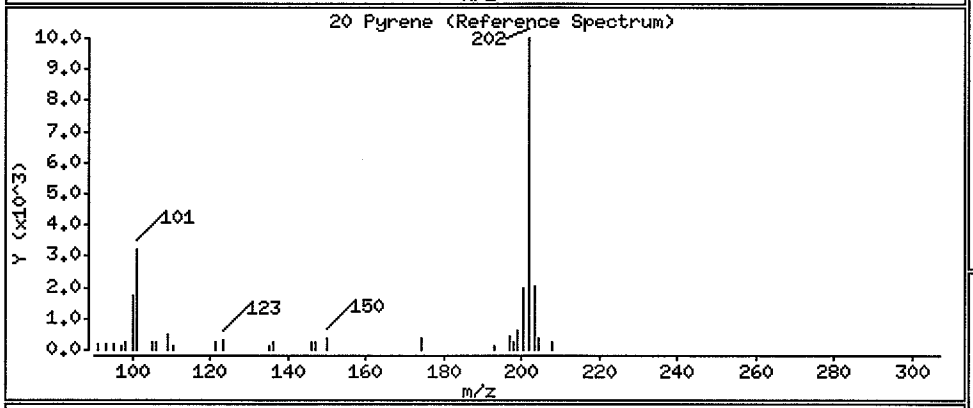
Column diameter: 0.25

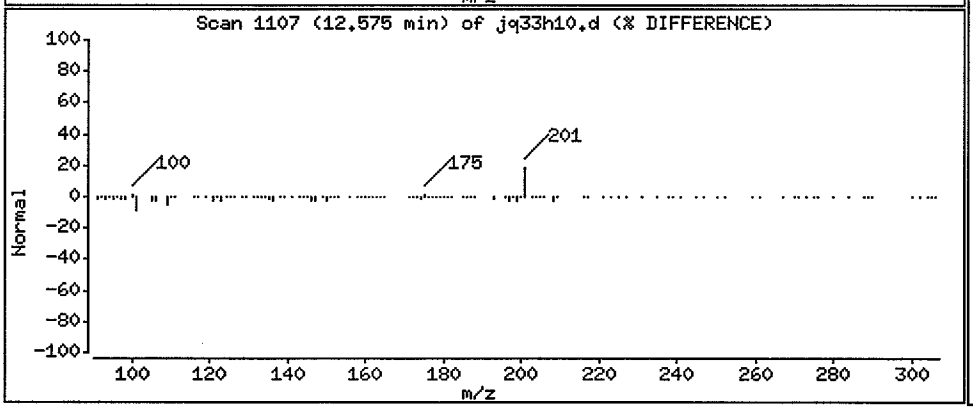
20 Pyrene

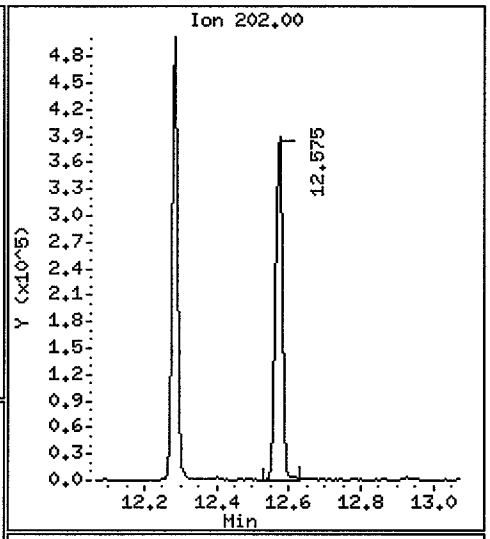
Concentration: 1743 ug/kg

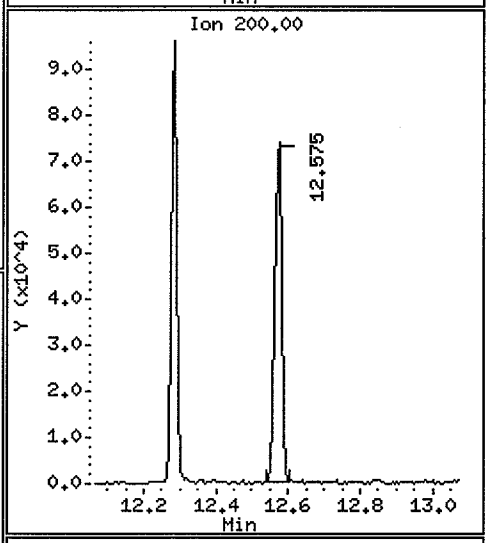


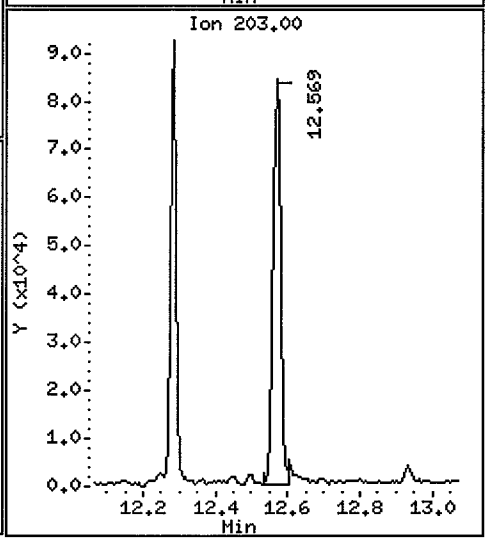












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

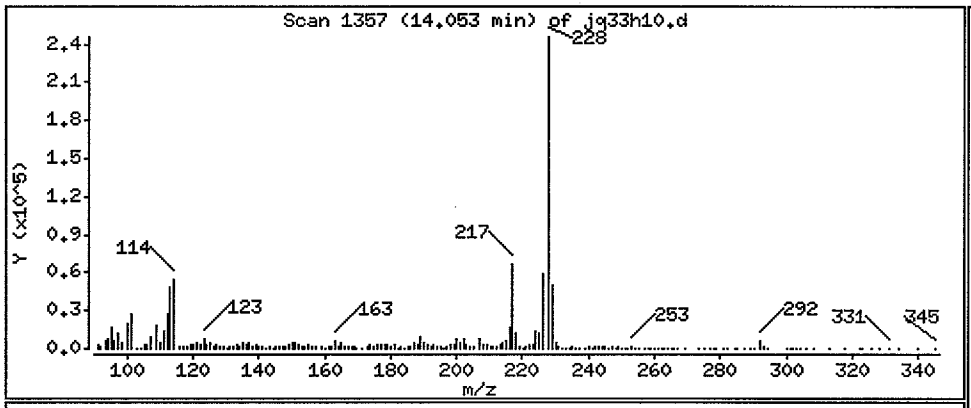
Operator: VTS

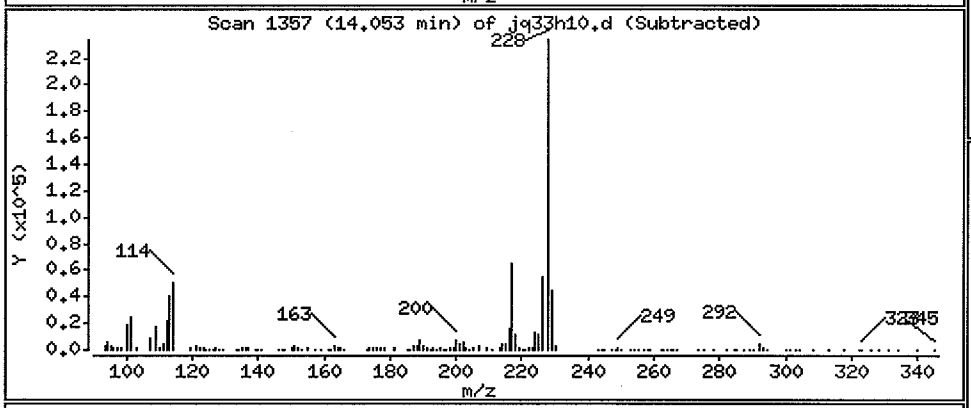
Column phase: ZB-5

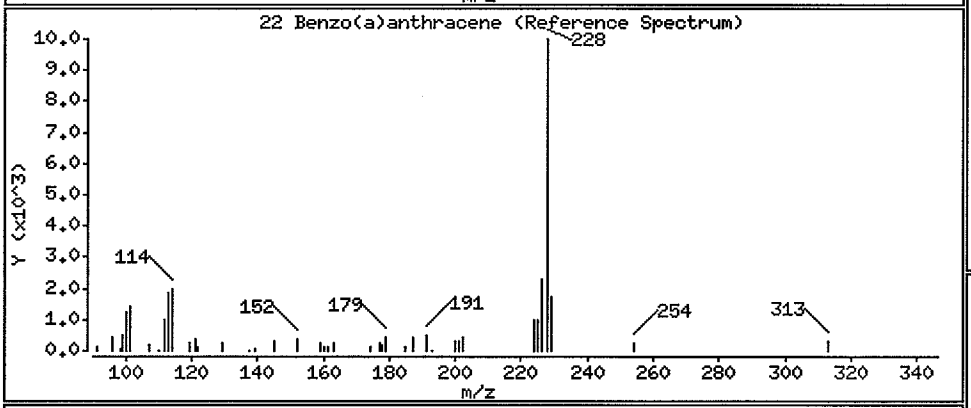
Column diameter: 0.25

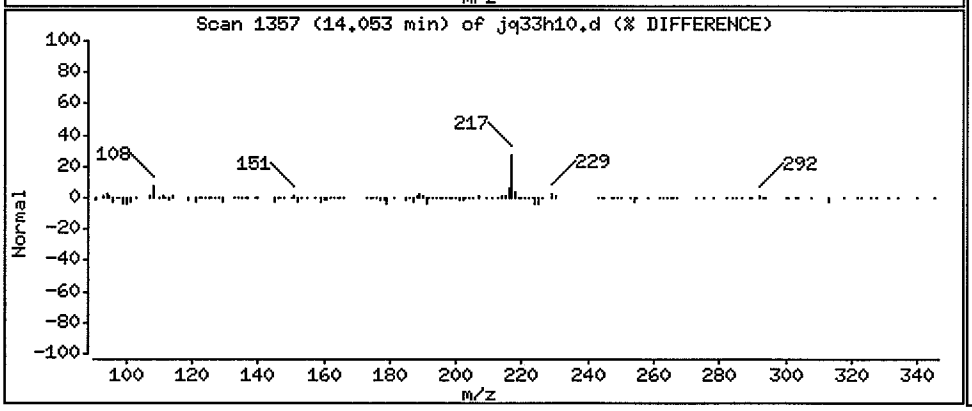
22 Benzo(a)anthracene

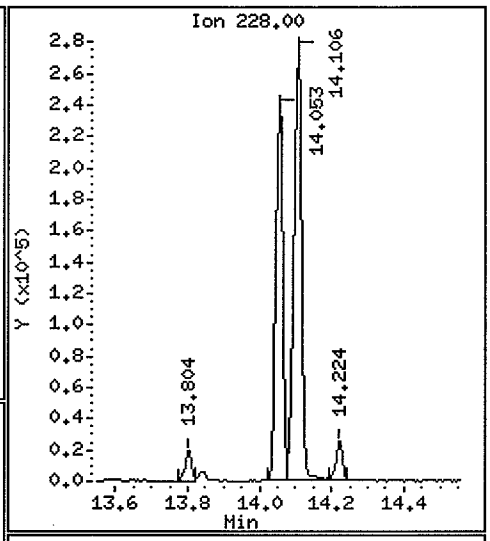
Concentration: 1097 ug/kg

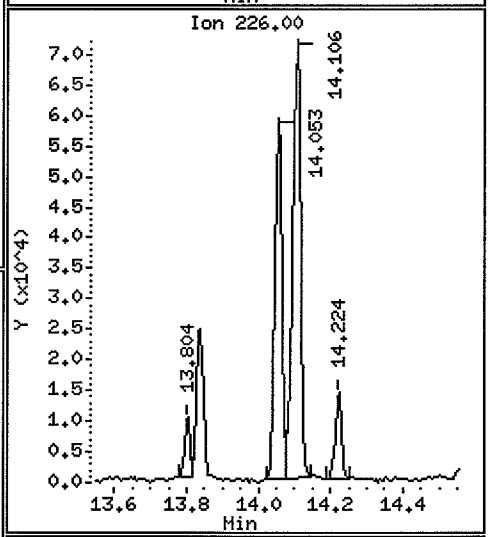


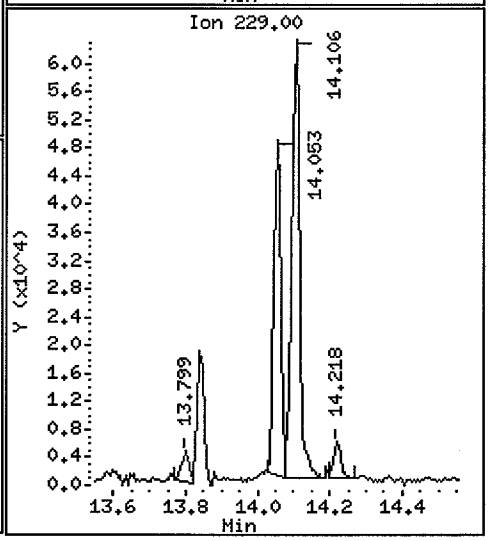












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

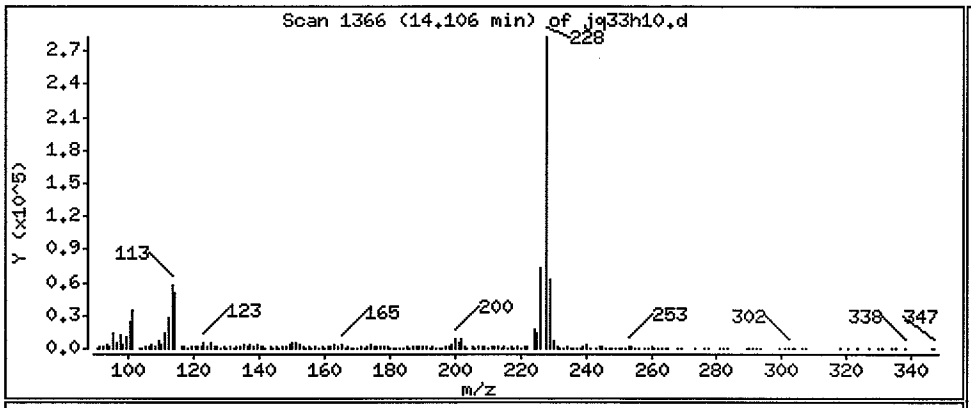
Operator: VTS

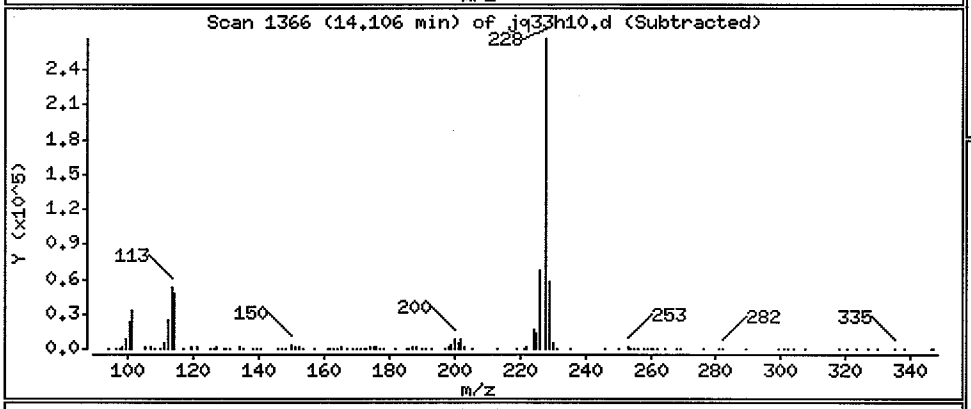
Column phase: ZB-5

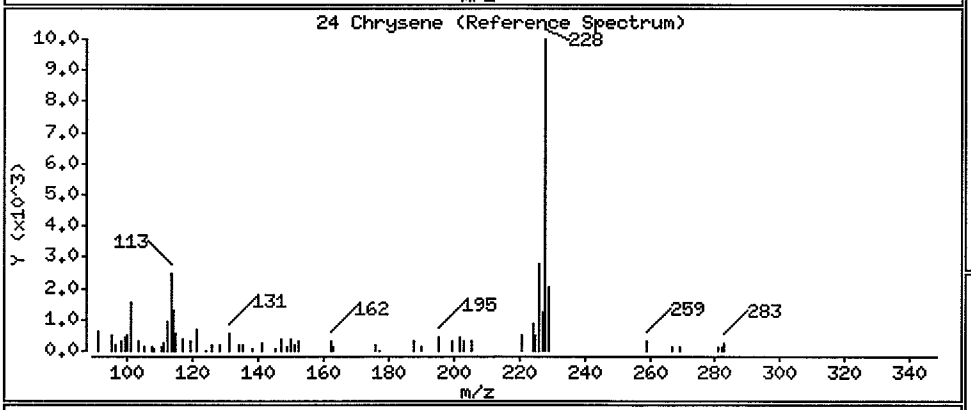
Column diameter: 0.25

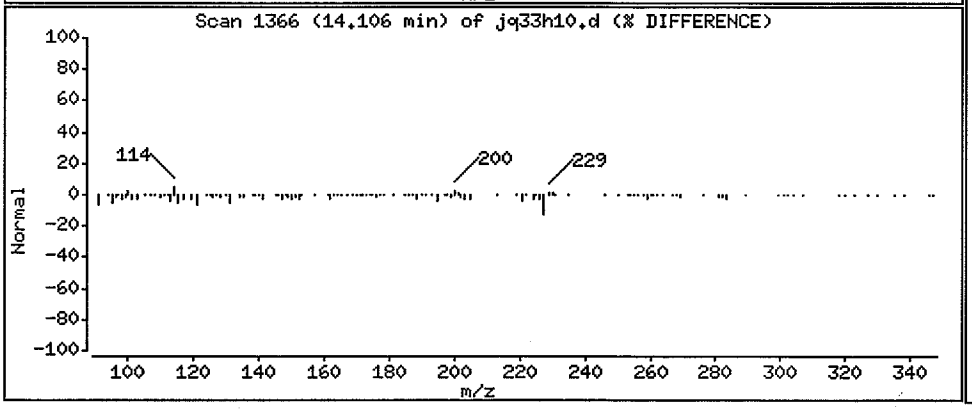
24 Chrysene

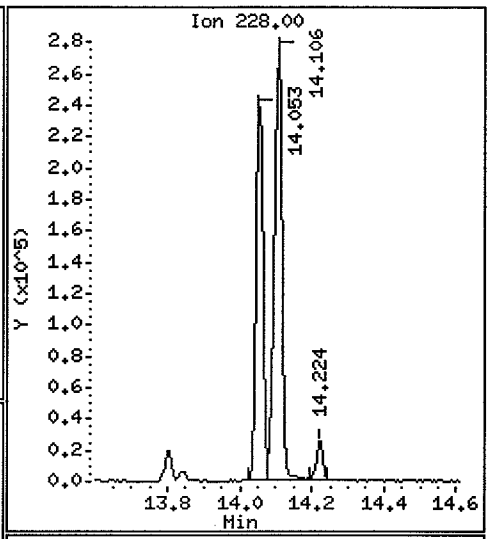
Concentration: 1573 ug/kg

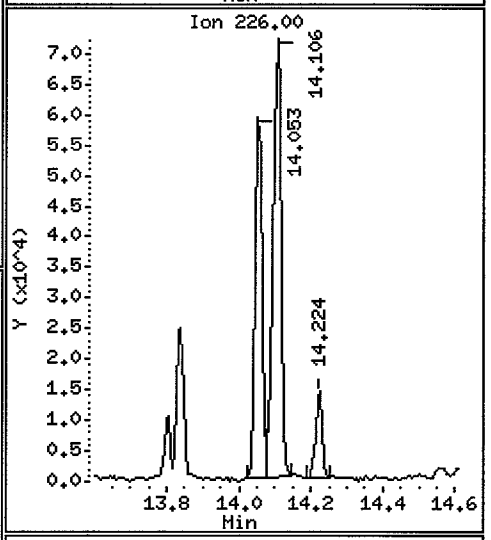


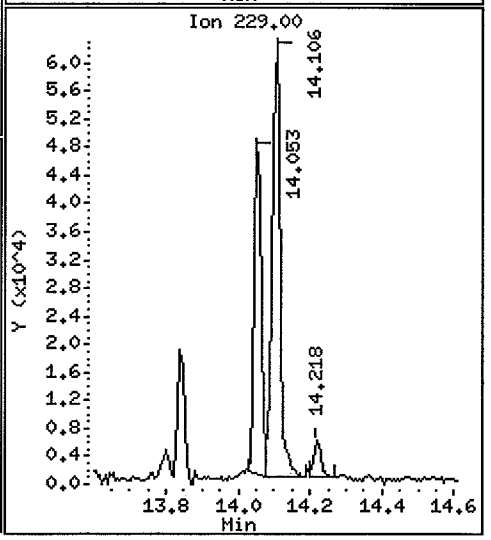












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

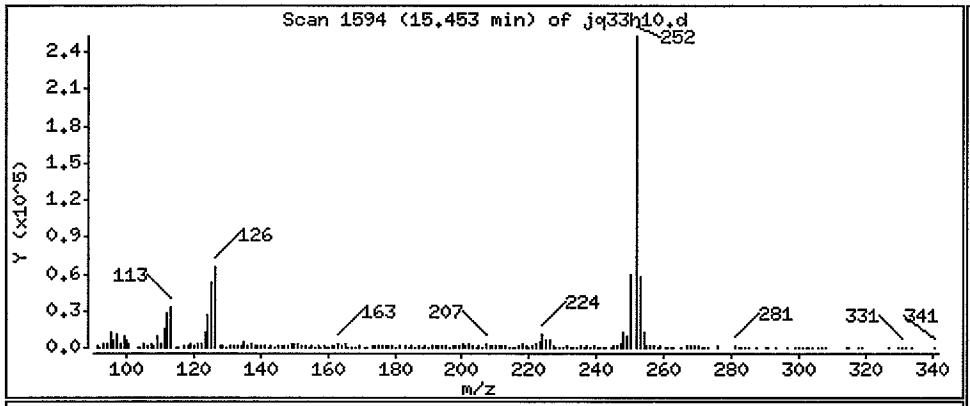
Operator: VTS

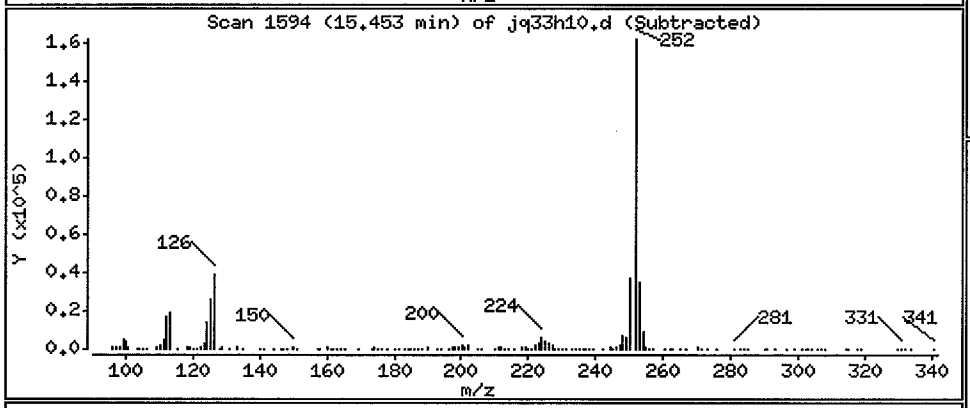
Column phase: ZB-5

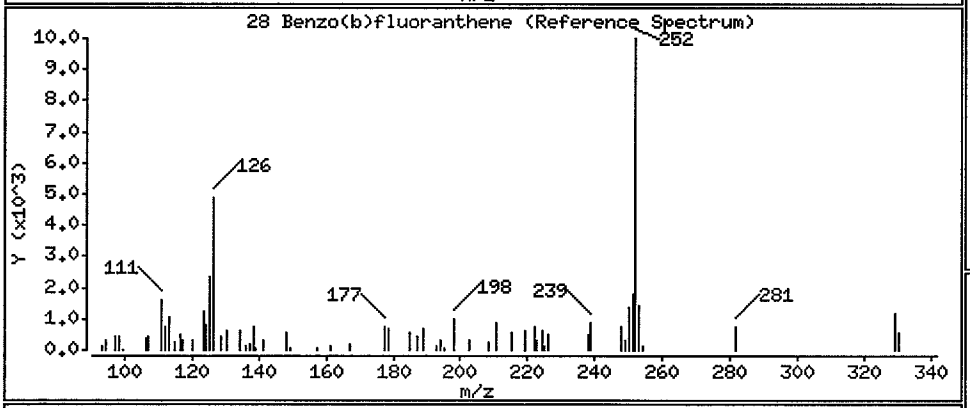
Column diameter: 0.25

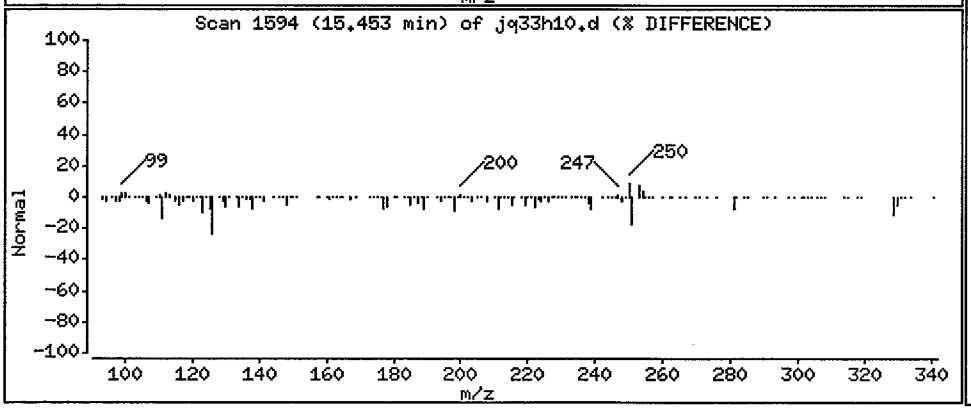
28 Benzo(b)fluoranthene

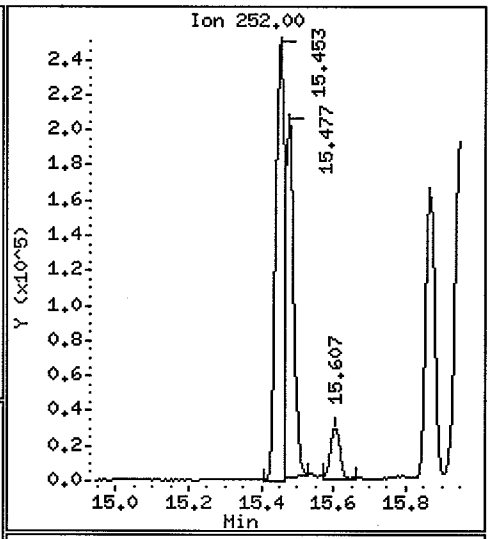
Concentration: 1639 ug/kg

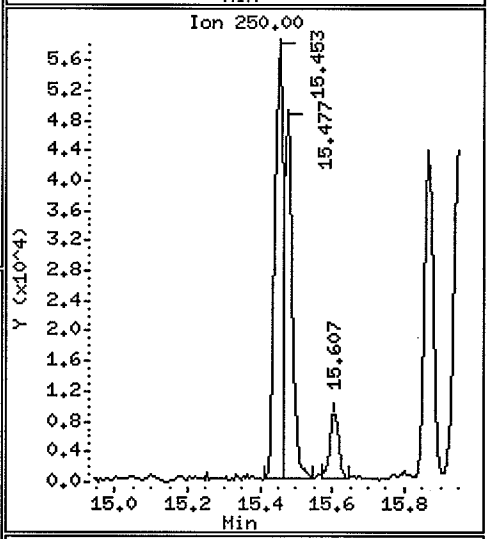


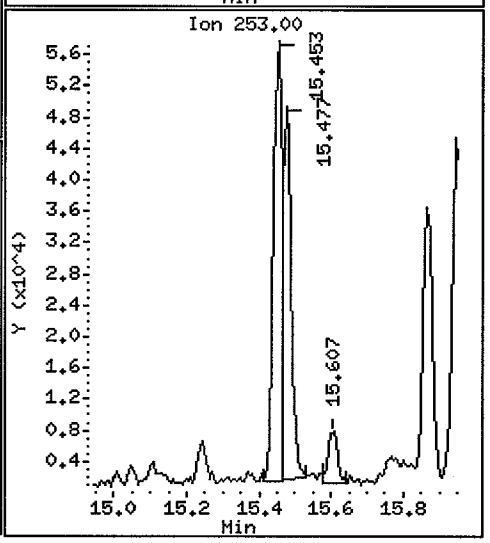












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

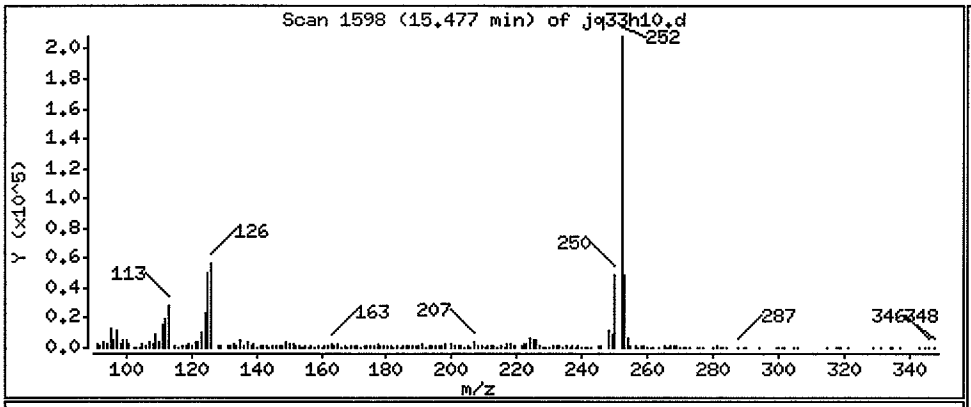
Operator: VTS

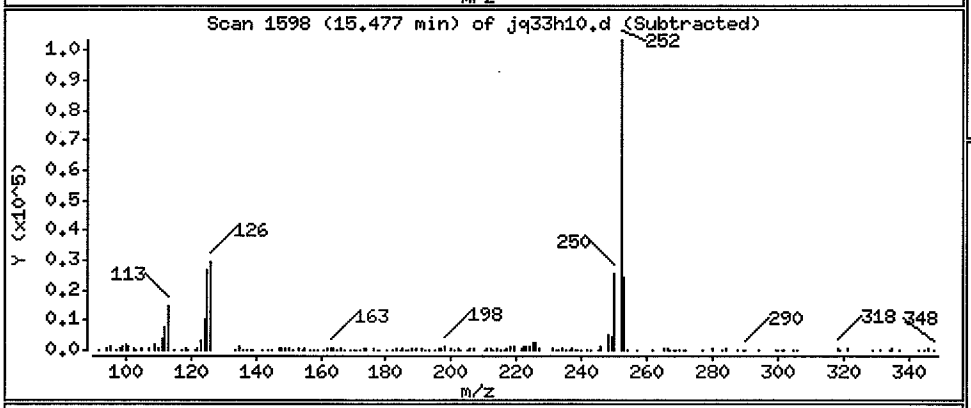
Column phase: ZB-5

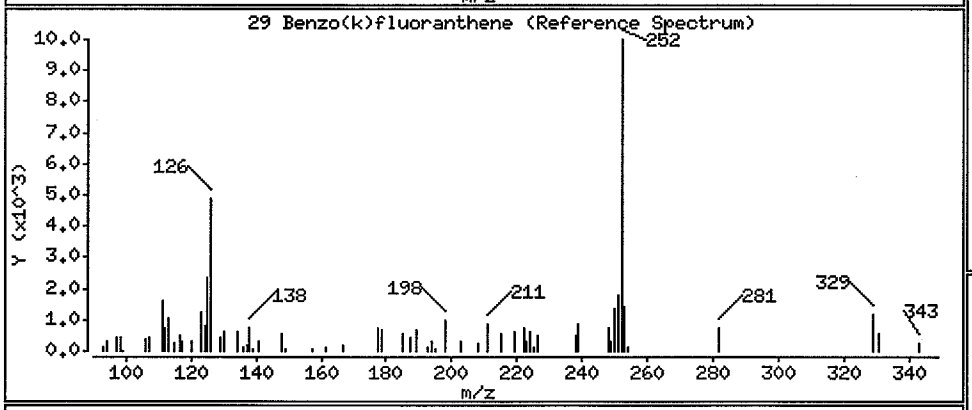
Column diameter: 0.25

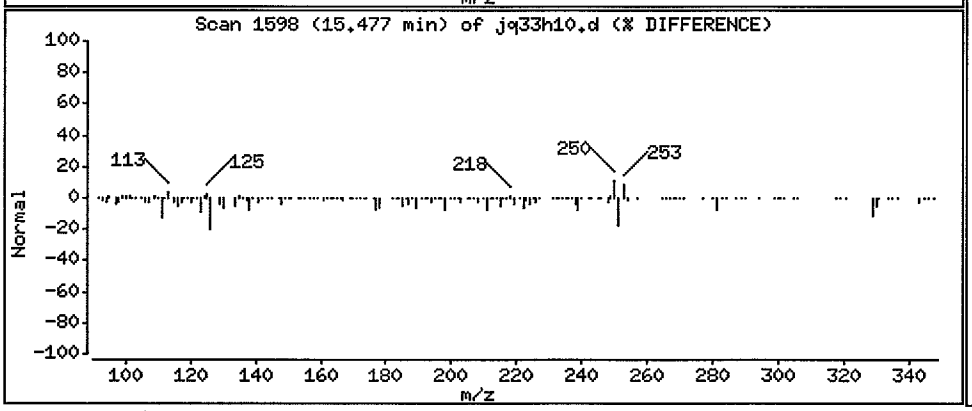
29 Benzo(k)fluoranthene

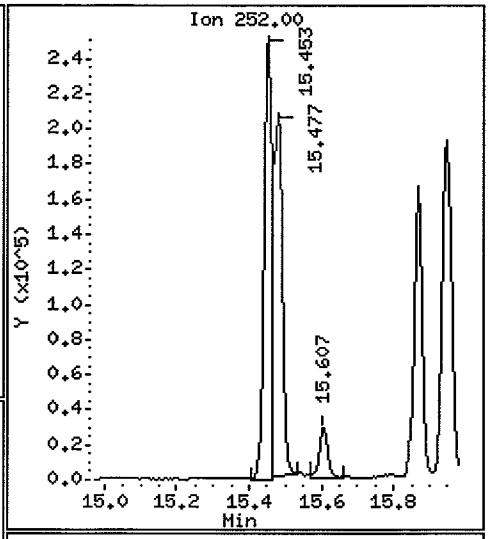
Concentration: 1335 ug/kg

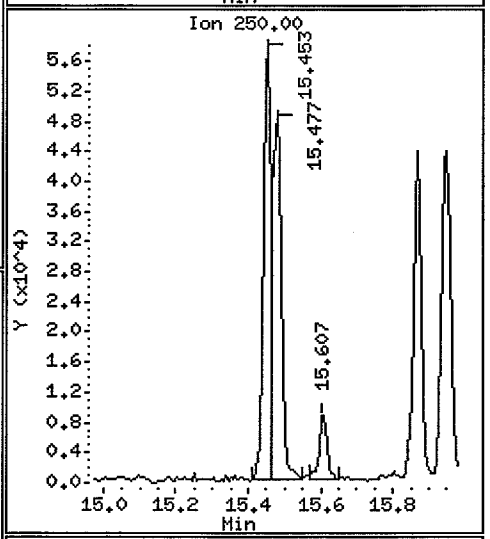


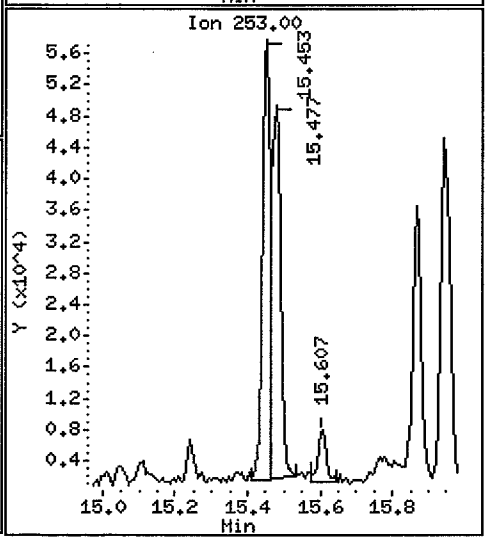












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

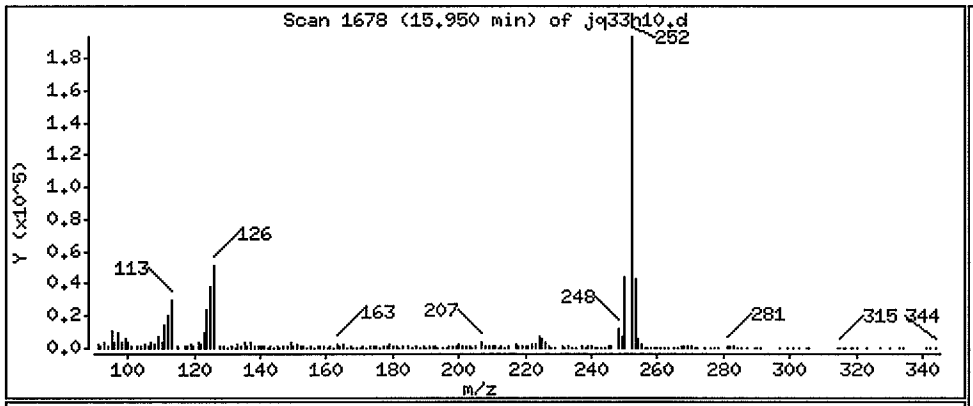
Operator: VTS

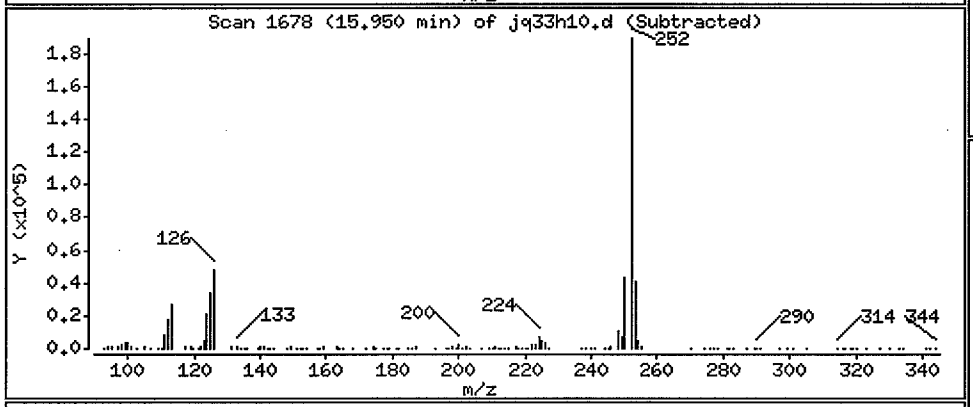
Column phase: ZB-5

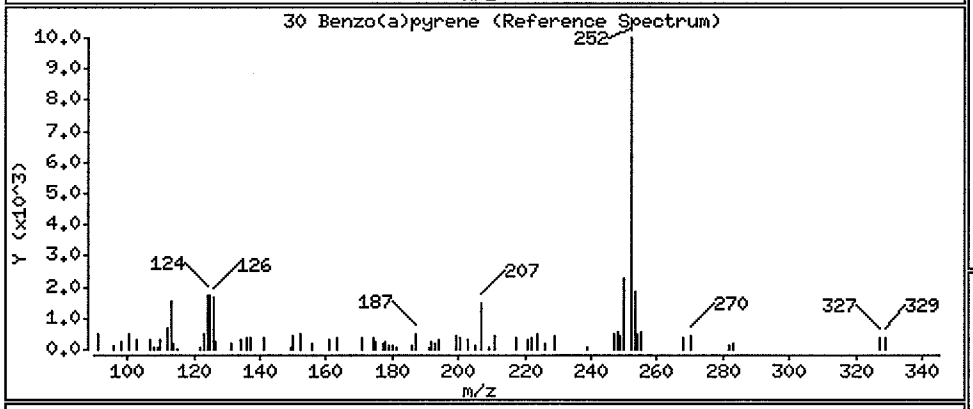
Column diameter: 0.25

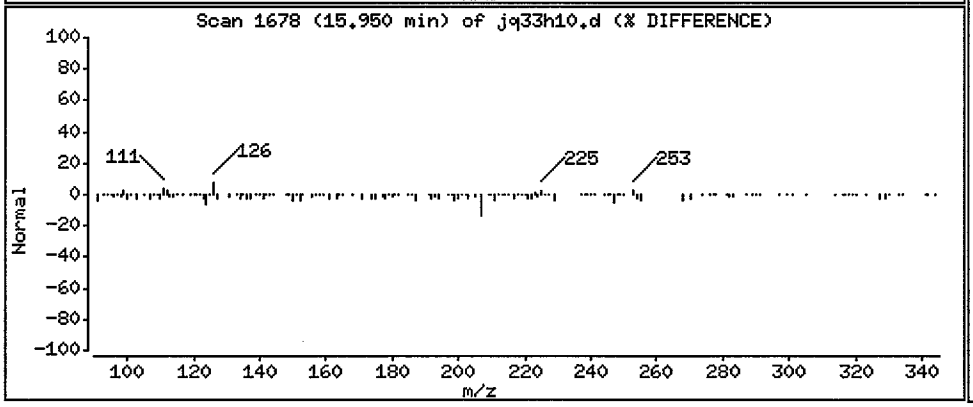
30 Benzo(a)pyrene

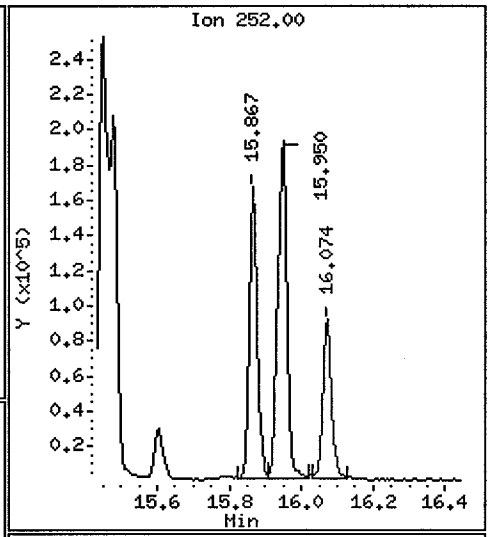
Concentration: 1379 ug/kg

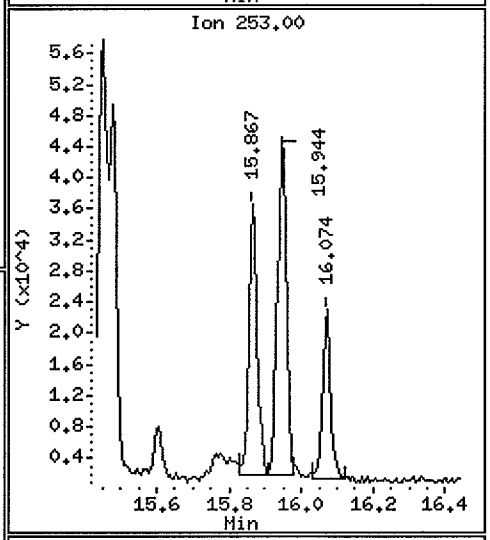


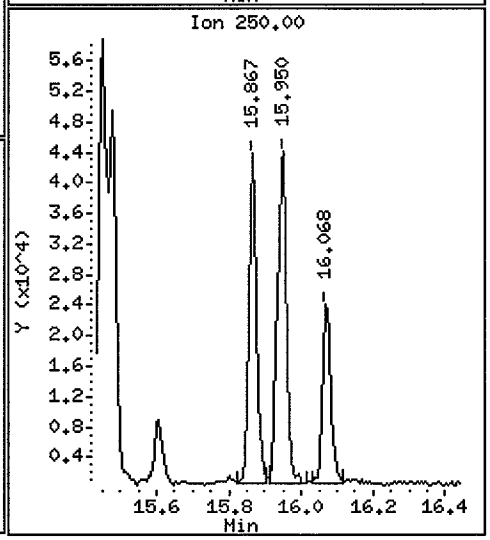












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

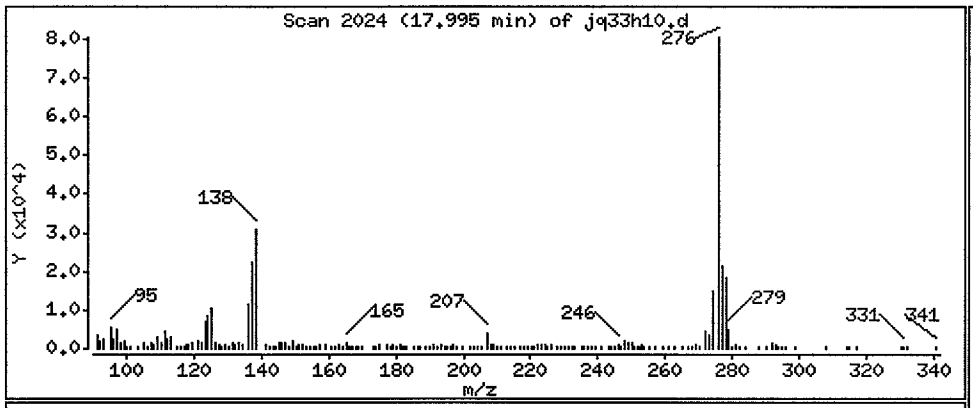
Operator: VTS

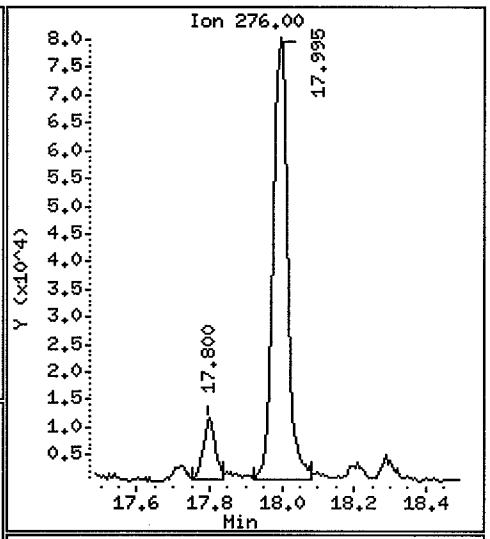
Column phase: ZB-5

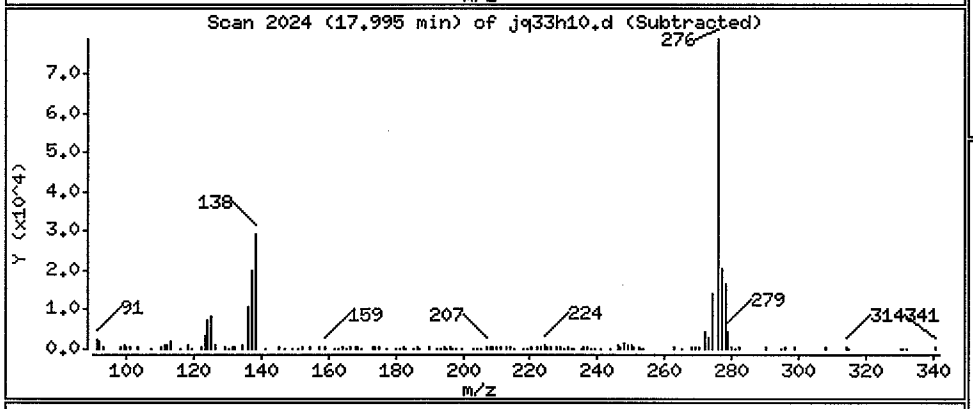
Column diameter: 0.25

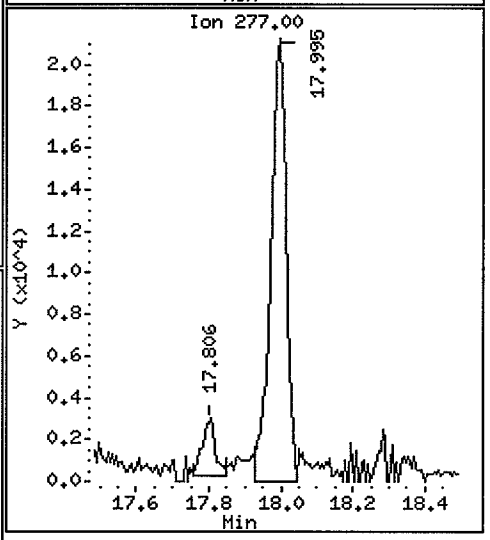
33 Indeno(1,2,3-cd)pyrene

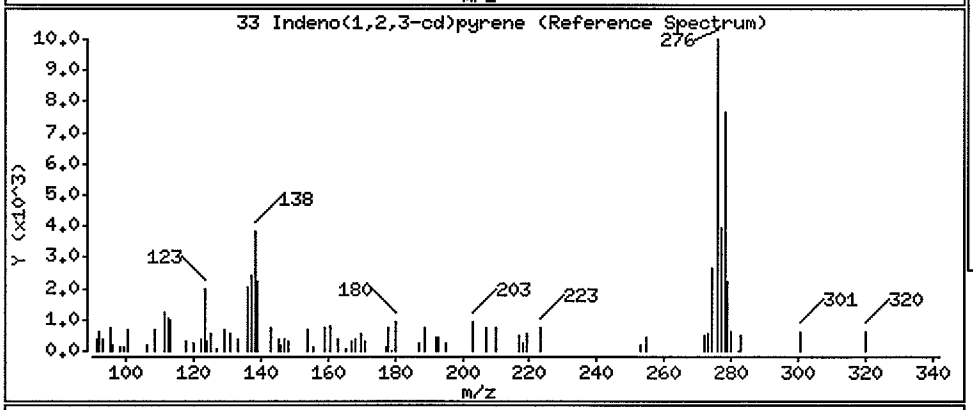
Concentration: 782.4 ug/kg

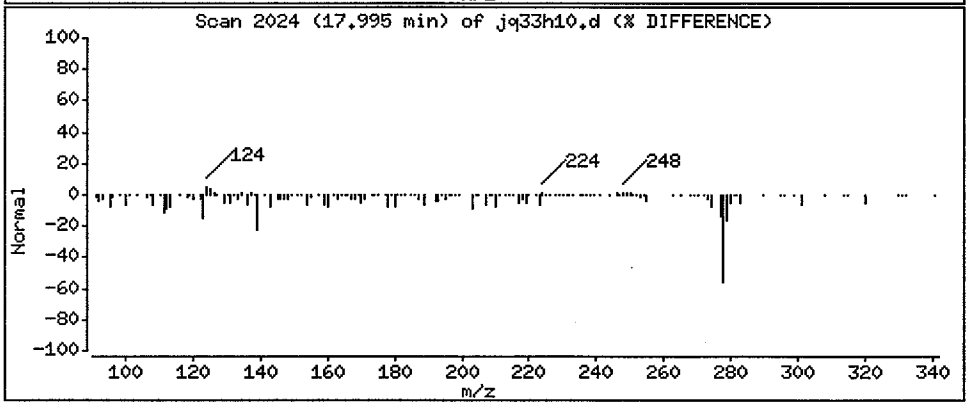












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

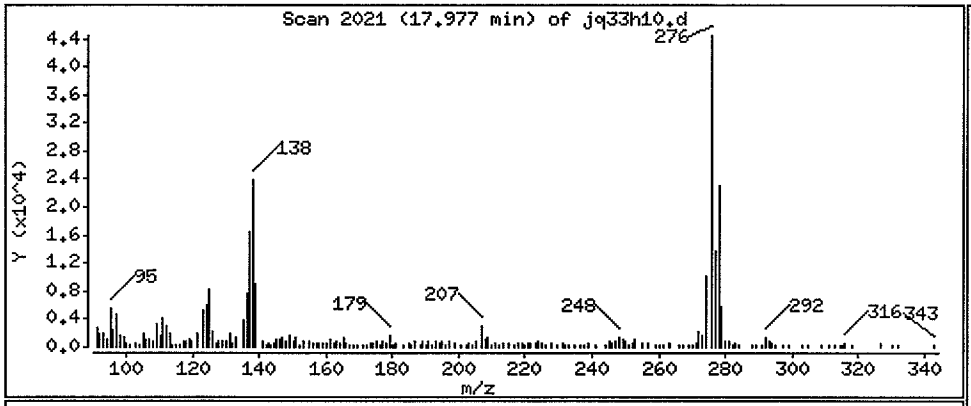
Operator: VTS

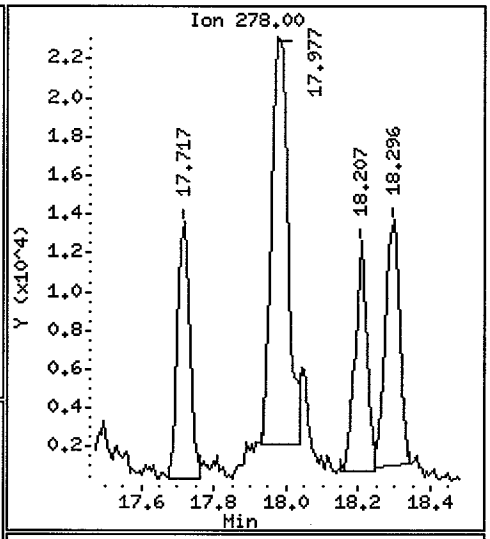
Column phase: ZB-5

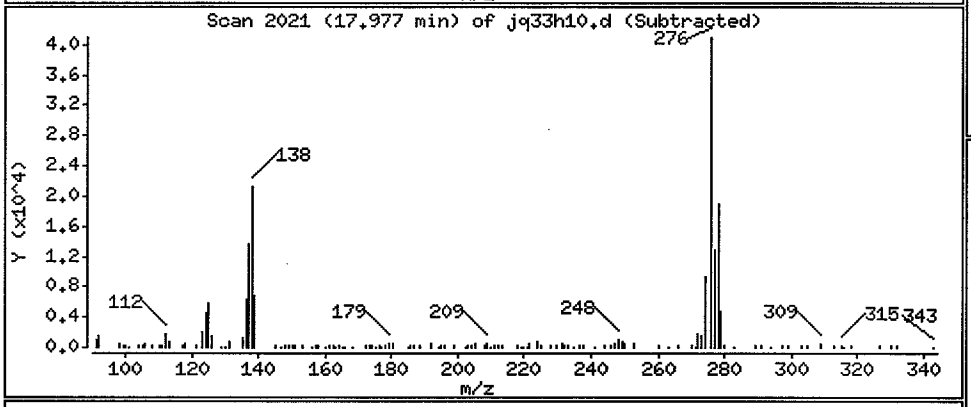
Column diameter: 0.25

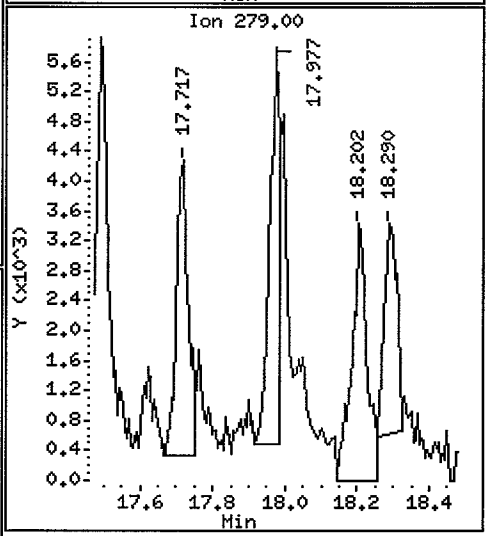
34 Dibenz(a,h)anthracene

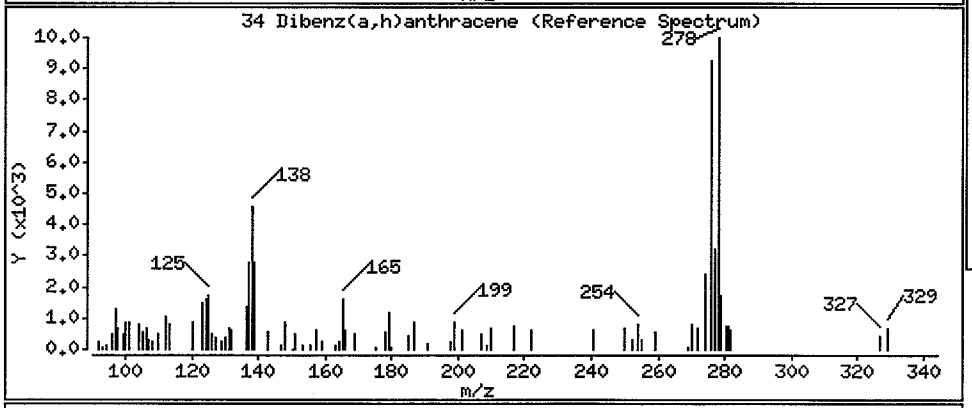
Concentration: 290.1 ug/kg

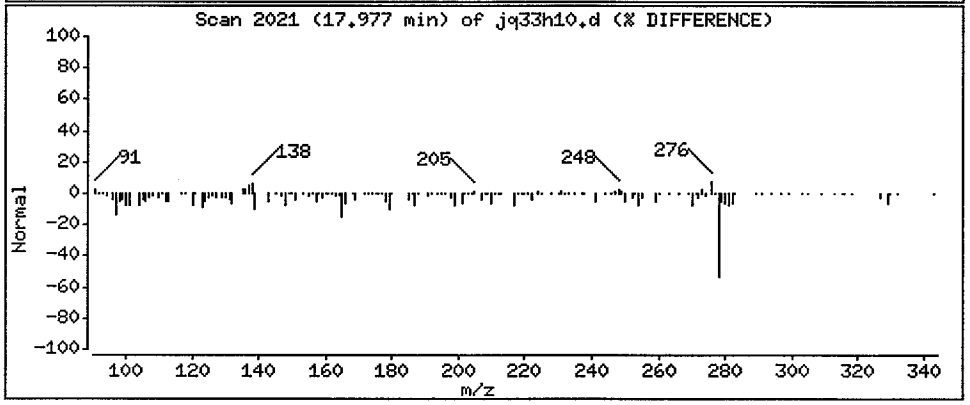












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

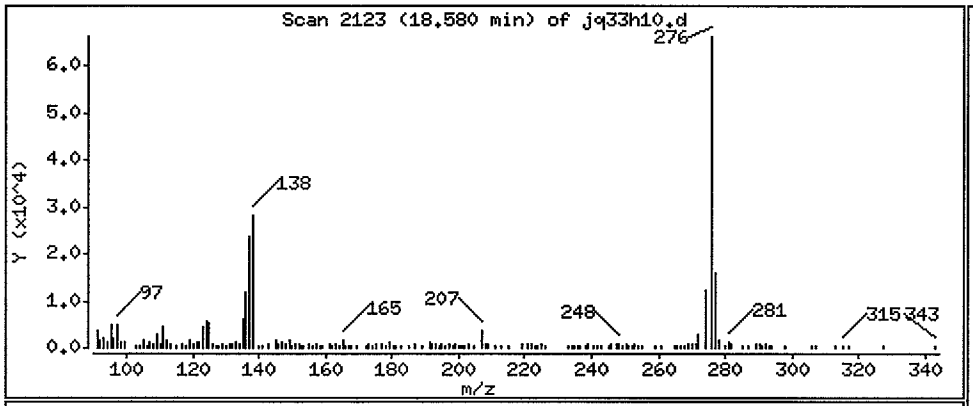
Operator: VTS

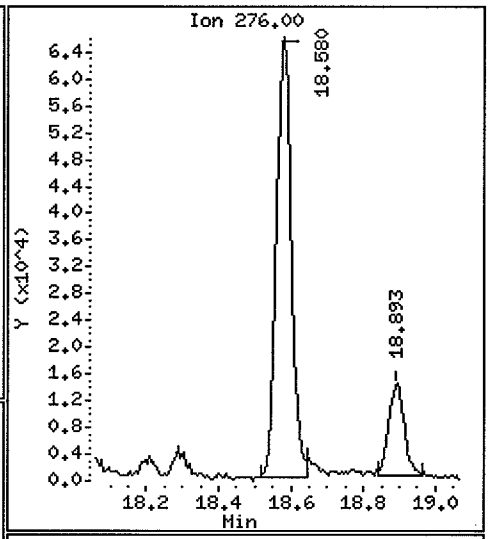
Column phase: ZB-5

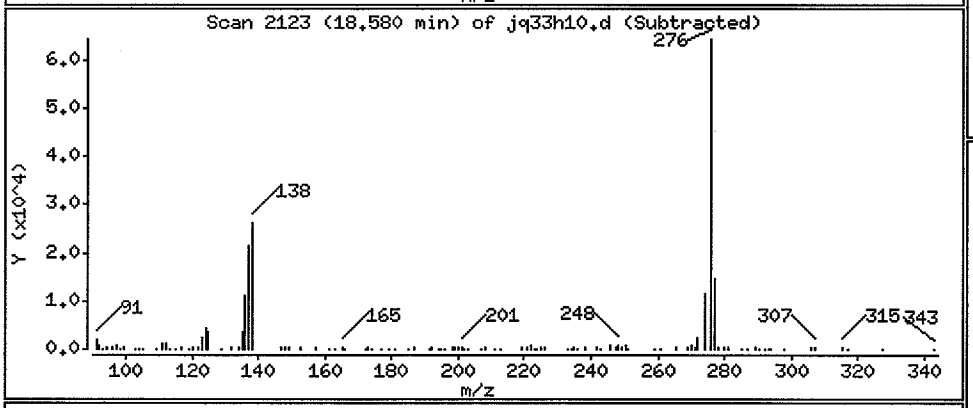
Column diameter: 0.25

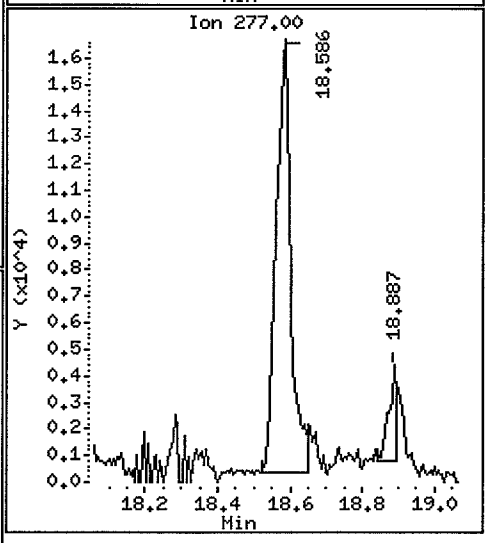
35 Benzo(g,h,i)perylene

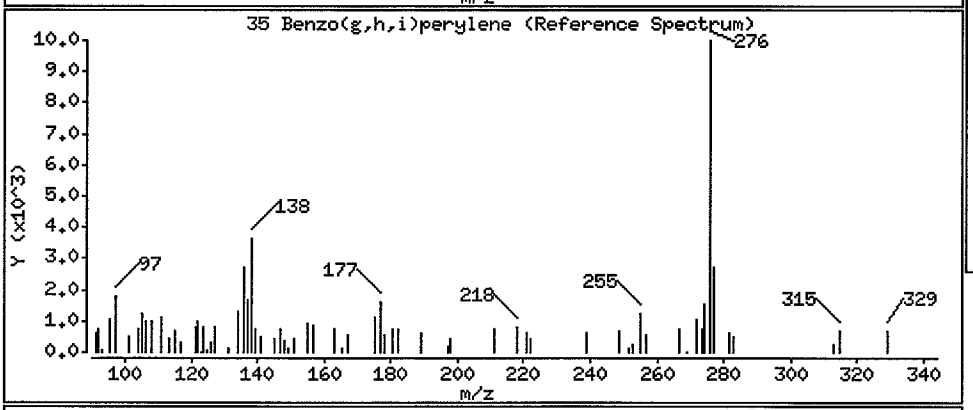
Concentration: 810.4 ug/kg

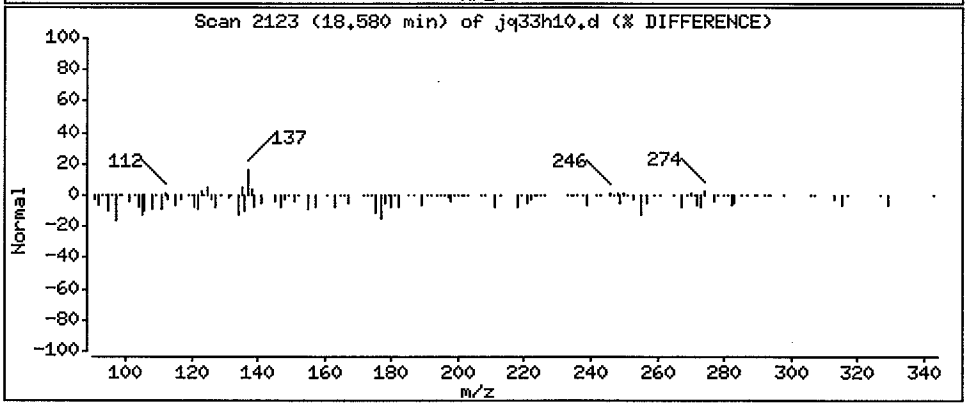












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

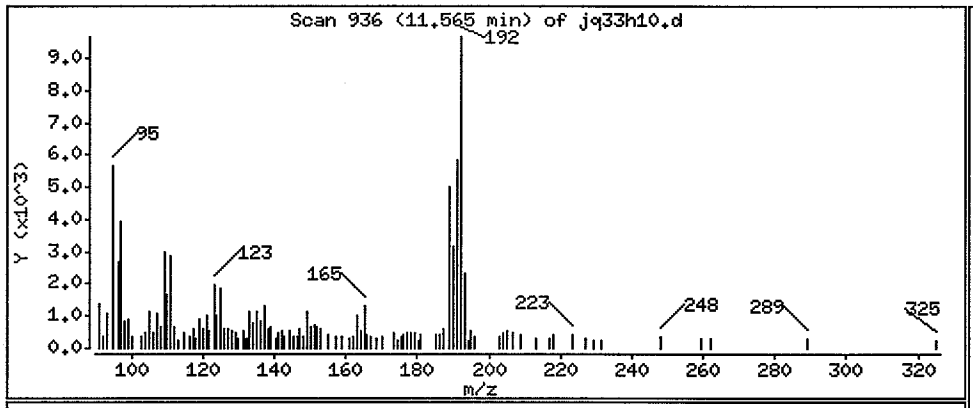
Operator: VTS

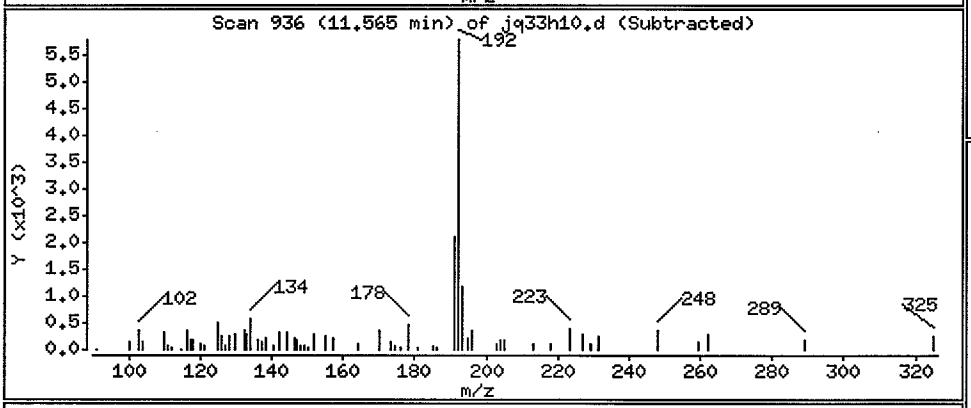
Column phase: ZB-5

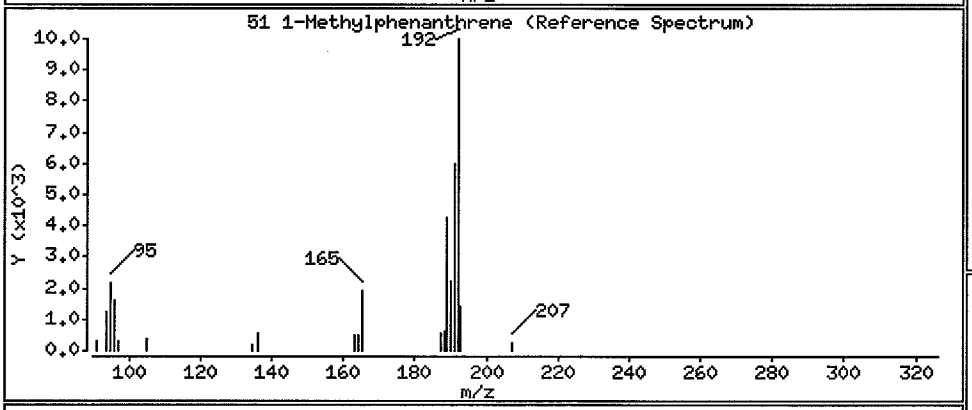
Column diameter: 0.25

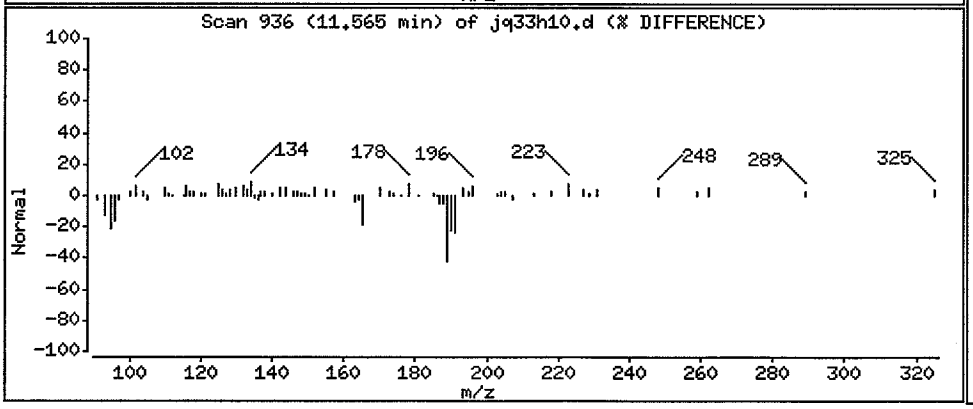
51 1-Methylphenanthrene

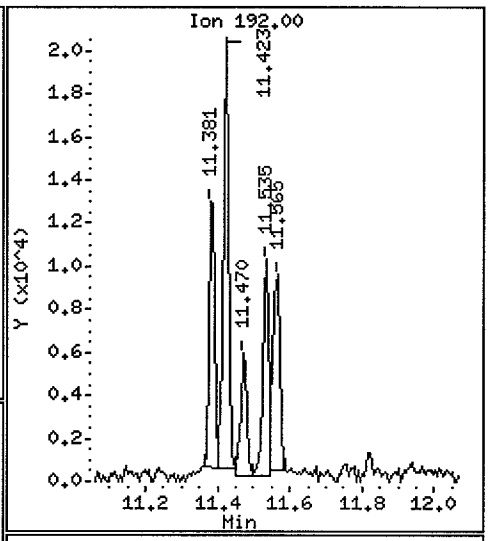
Concentration: 65.39 ug/kg

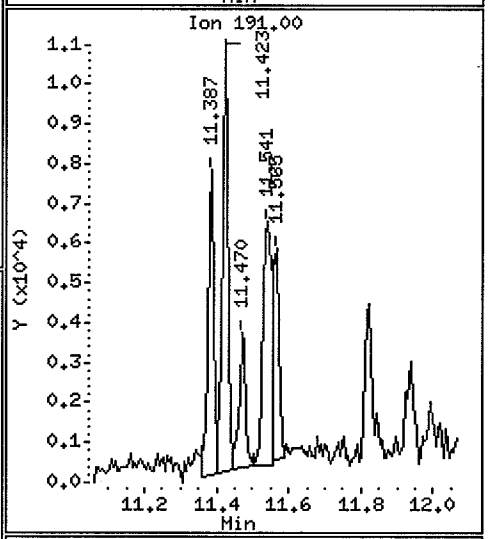


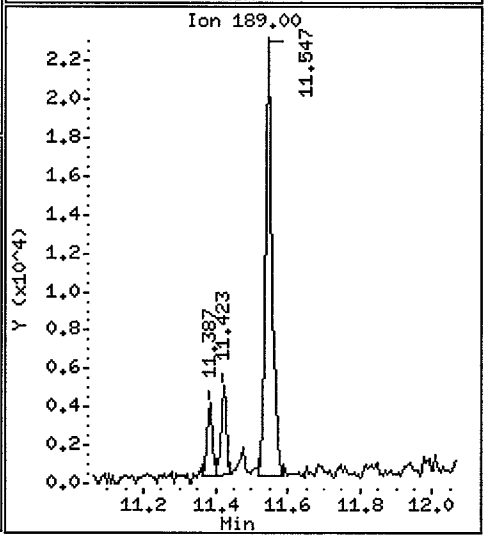












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

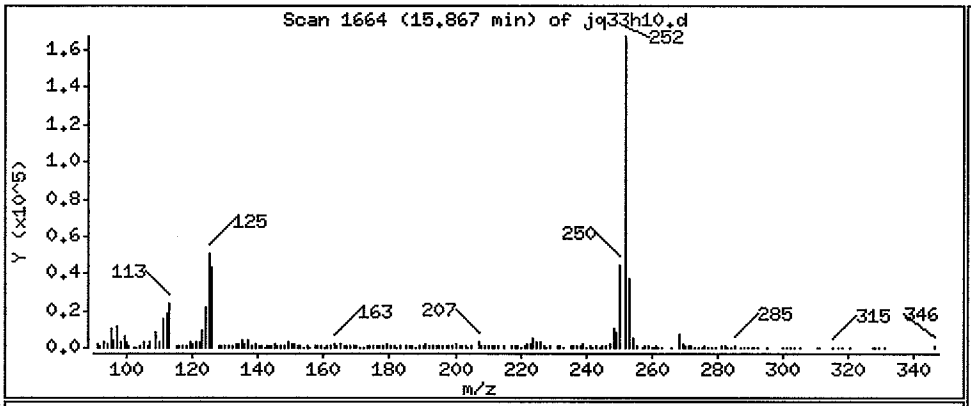
Operator: VTS

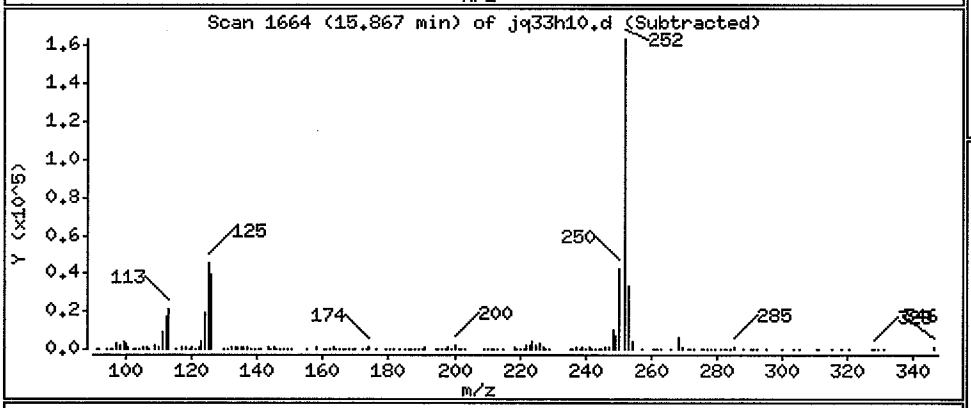
Column phase: ZB-5

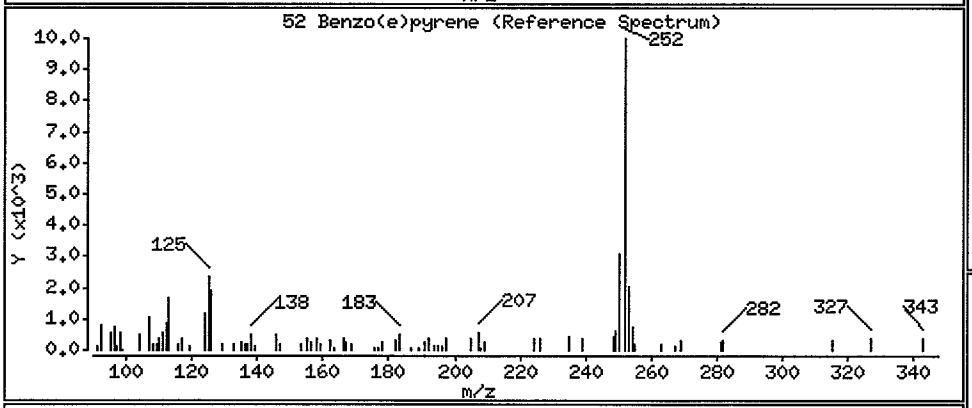
Column diameter: 0.25

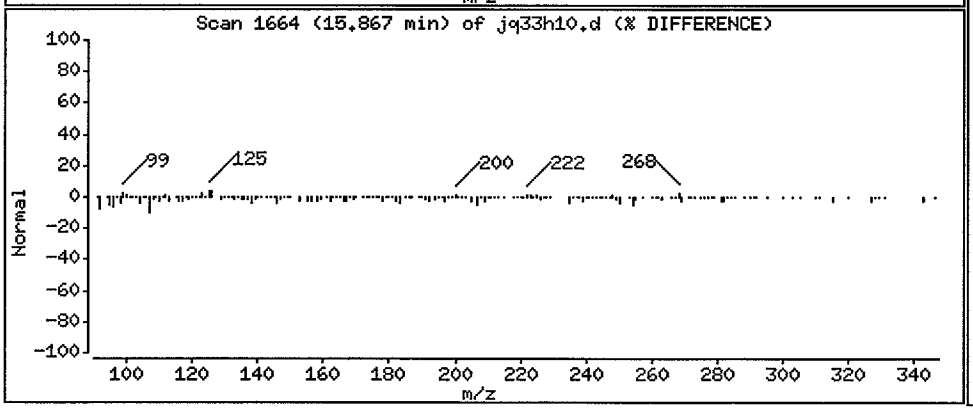
52 Benzo(e)pyrene

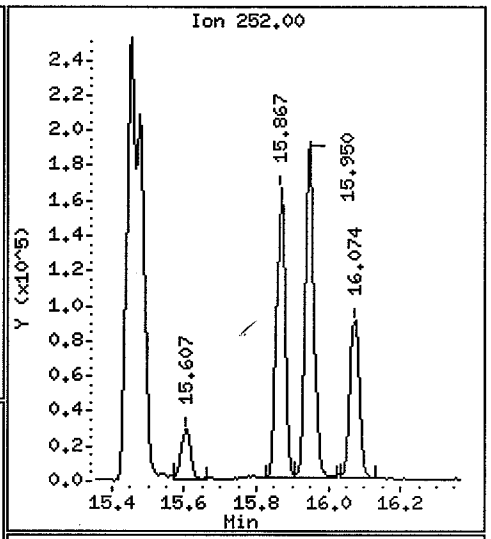
Concentration: 998.7 ug/kg

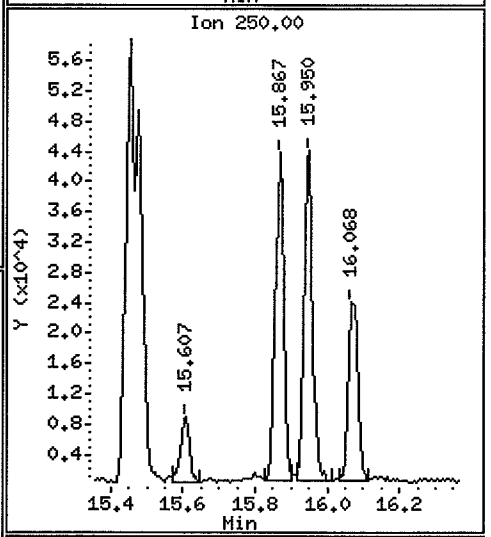


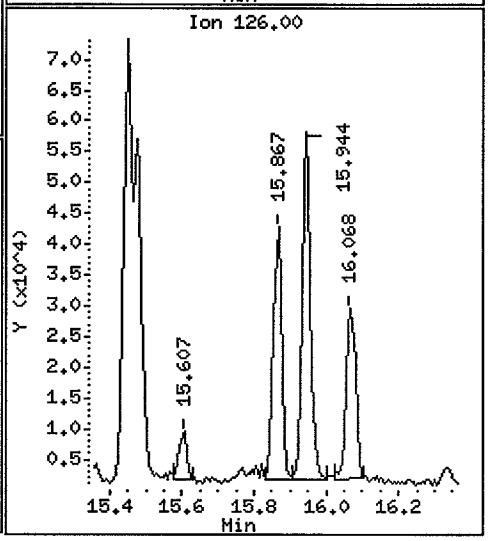












Data File: /chem3/nt1.i/20060804.b/jq33h10.d

Date : 04-AUG-2006 18:16

Client ID: T4-B414-03-B

Instrument: nt1.i

Sample Info: JQ33H,10

Volume Injected (uL): 1.0

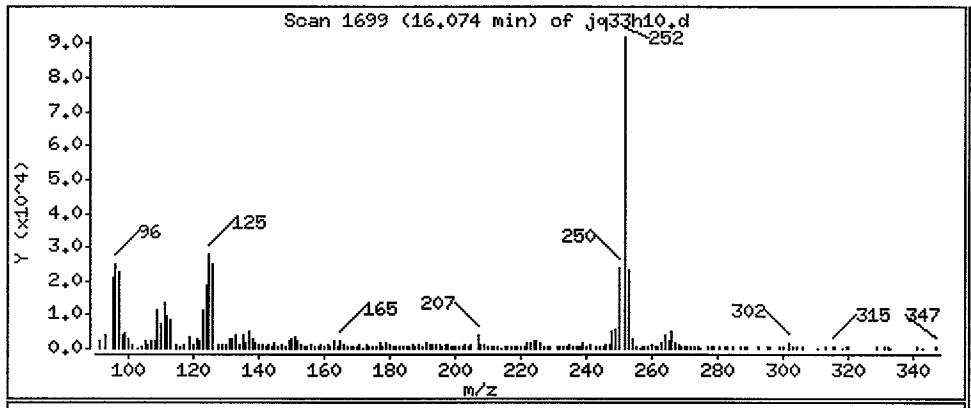
Operator: VTS

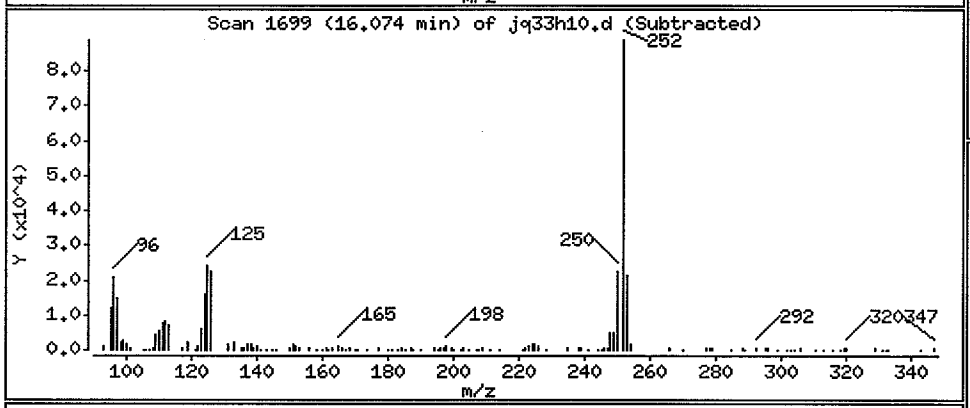
Column phase: ZB-5

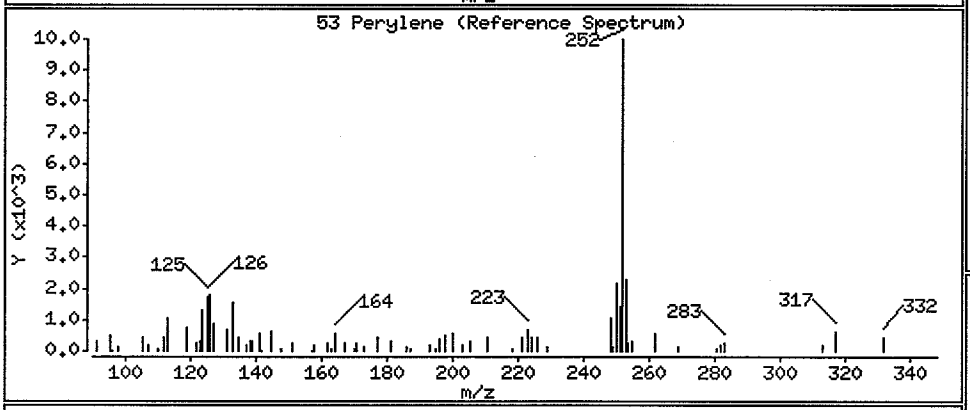
Column diameter: 0.25

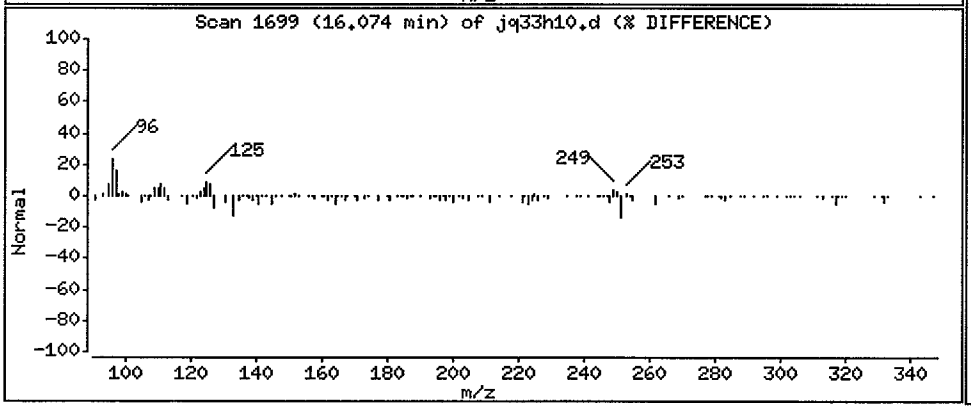
53 Perylene

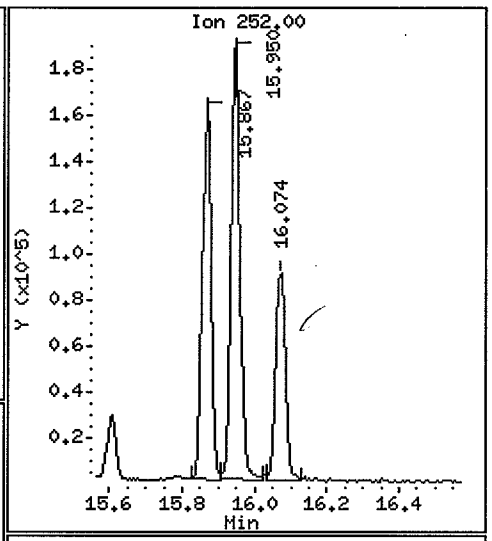
Concentration: 634.5 ug/kg

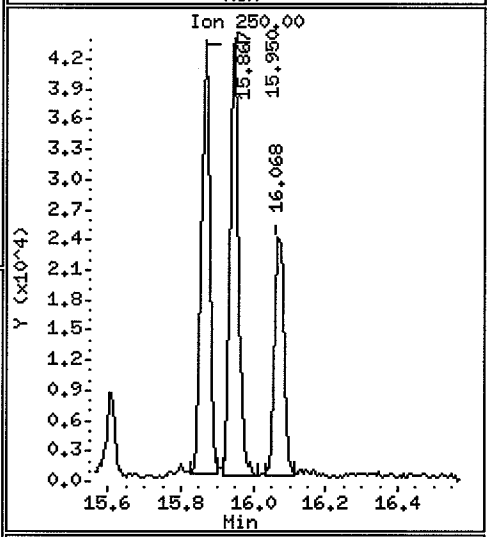


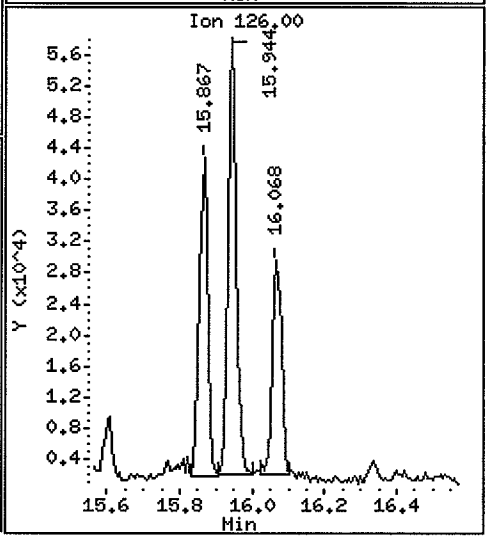












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-03-C
SAMPLE

Lab Sample ID: JQ33I
LIMS ID: 06-12931
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 18:40
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 49.7%
pH: 7.2

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	5.0	17	
91-57-6	2-Methylnaphthalene	5.0	8.9	
90-12-0	1-Methylnaphthalene	5.0	6.4	
208-96-8	Acenaphthylene	5.0	6.4	
83-32-9	Acenaphthene	5.0	43	
86-73-7	Fluorene	5.0	28	
85-01-8	Phenanthrene	5.0	130	B
120-12-7	Anthracene	5.0	26	
206-44-0	Fluoranthene	5.0	230	
129-00-0	Pyrene	5.0	210	
56-55-3	Benzo(a)anthracene	5.0	110	
218-01-9	Chrysene	5.0	150	
205-99-2	Benzo(b)fluoranthene	5.0	140	
207-08-9	Benzo(k)fluoranthene	5.0	140	
50-32-8	Benzo(a)pyrene	5.0	140	
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	65	
53-70-3	Dibenz(a,h)anthracene	5.0	23	
191-24-2	Benzo(g,h,i)perylene	5.0	74	
198-55-0	Perylene	5.0	200	
92-52-4	Biphenyl	5.0	< 5.0	U
581-42-0	2,6-Dimethylnaphthalene	5.0	9.4	
832-69-9	1-Methylphenanthrene	5.0	11	
192-97-2	Benzo(e)pyrene	5.0	93	
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	5.4	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	64.3%
d14-Dibenzo(a,h)anthracen	51.3%

YZ 8/7/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33i.d
Lab Smp Id: JQ33I Client Smp ID: T4-B414-03-C
Inj Date : 04-AUG-2006 18:40
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33I
Misc Info : 06-12931
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	20.10000	Weight of sample extracted (g)
M	49.70000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.883	6.883	(1.000)	267919	2.00000	
	2 Naphthalene	128	6.907	6.907	(1.003)	44878	0.33582	16.61
$	3 2-Methylnaphthalene-d10	152	7.639	7.640	(1.110)	133427	1.93352	95.62
	4 2-Methylnaphthalene	142	7.681	7.681	(1.116)	14613	0.18465	9.132
	5 1-Methylnaphthalene	142	7.811	7.811	(1.135)	10856	0.13077	6.467
	7 Acenaphthylene	152	8.768	8.769	(0.980)	15962	0.13346	6.600
*	8 Acenaphthene-d10	164	8.946	8.946	(1.000)	144260	2.00000	
	9 Acenaphthene	153	8.987	8.987	(1.005)	61835	0.87296	43.17
	10 Dibenzofuran	168	9.176	9.170	(1.026)	30387	0.29124	14.40
	11 Fluorene	166	9.602	9.596	(1.073)	45927	0.56543	27.96
*	15 Phenanthrene-d10	188	10.760	10.760	(1.000)	242100	2.00000	
	16 Phenanthrene	178	10.790	10.790	(1.003)	321291	2.58551 B	127.9
	17 Anthracene	178	10.849	10.843	(1.008)	65115	0.52434	25.93
	19 Fluoranthene	202	12.285	12.279	(1.142)	590537	4.65913	230.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	20 Pyrene	202	12.574	12.569	(0.893)	631518	4.17791	206.6
	22 Benzo(a)anthracene	228	14.058	14.052	(0.998)	312287	2.20302	108.9
*	23 Chrysene-d12	240	14.082	14.070	(1.000)	235399	2.00000	
	24 Chrysene	228	14.111	14.105	(1.002)	395501	3.02492	149.6
	28 Benzo(b)fluoranthene	252	15.459	15.447	(0.964)	364350	2.78631	137.8
	29 Benzo(k)fluoranthene	252	15.482	15.476	(0.965)	385509	2.76534	136.8
	30 Benzo(a)pyrene	252	15.955	15.938	(0.994)	354654	2.78341	137.7
*	31 Perylene-d12	264	16.044	16.026	(1.000)	231697	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	18.006	17.988	(1.122)	191898	1.30962	64.77
$	32 Dibenz(a,h)anthrancene-d14	292	17.935	17.906	(1.118)	136571	1.54022	76.17
	34 Dibenz(a,h)anthracene	278	17.994	17.976	(1.122)	56006	0.46787	23.14
	35 Benzo(g,h,i)perylene	276	18.591	18.562	(1.159)	181885	1.49326	73.85
	48 Biphenyl	154	8.219	8.219	(0.919)	6781	0.07608	3.762
	49 2,6-Dimethylnaphthalene	156	8.414	8.408	(0.941)	13071	0.18620	9.208
	50 2,3,5-Trimethylnaphthalene	170	9.430	9.430	(1.054)	6580	0.11443	5.659
	51 1-Methylphenanthrene	192	11.564	11.564	(0.821)	20792	0.21578	10.67
	52 Benzo(e)pyrene	252	15.878	15.861	(0.990)	264873	1.87799	92.88
	53 Perylene	252	16.085	16.068	(1.003)	540394	4.08070	201.8

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33i.d
Lab Smp Id: JQ33I
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12931

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: T4-B414-03-C
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	267919	20.24
8 Acenaphthene-d10	123591	61796	247182	144260	16.72
15 Phenanthrene-d10	200797	100398	401594	242100	20.57
23 Chrysene-d12	171210	85605	342420	235399	37.49
31 Perylene-d12	183426	91713	366852	231697	26.32

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.02
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.02
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.01
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.03
31 Perylene-d12	16.03	15.53	16.53	16.04	0.10

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

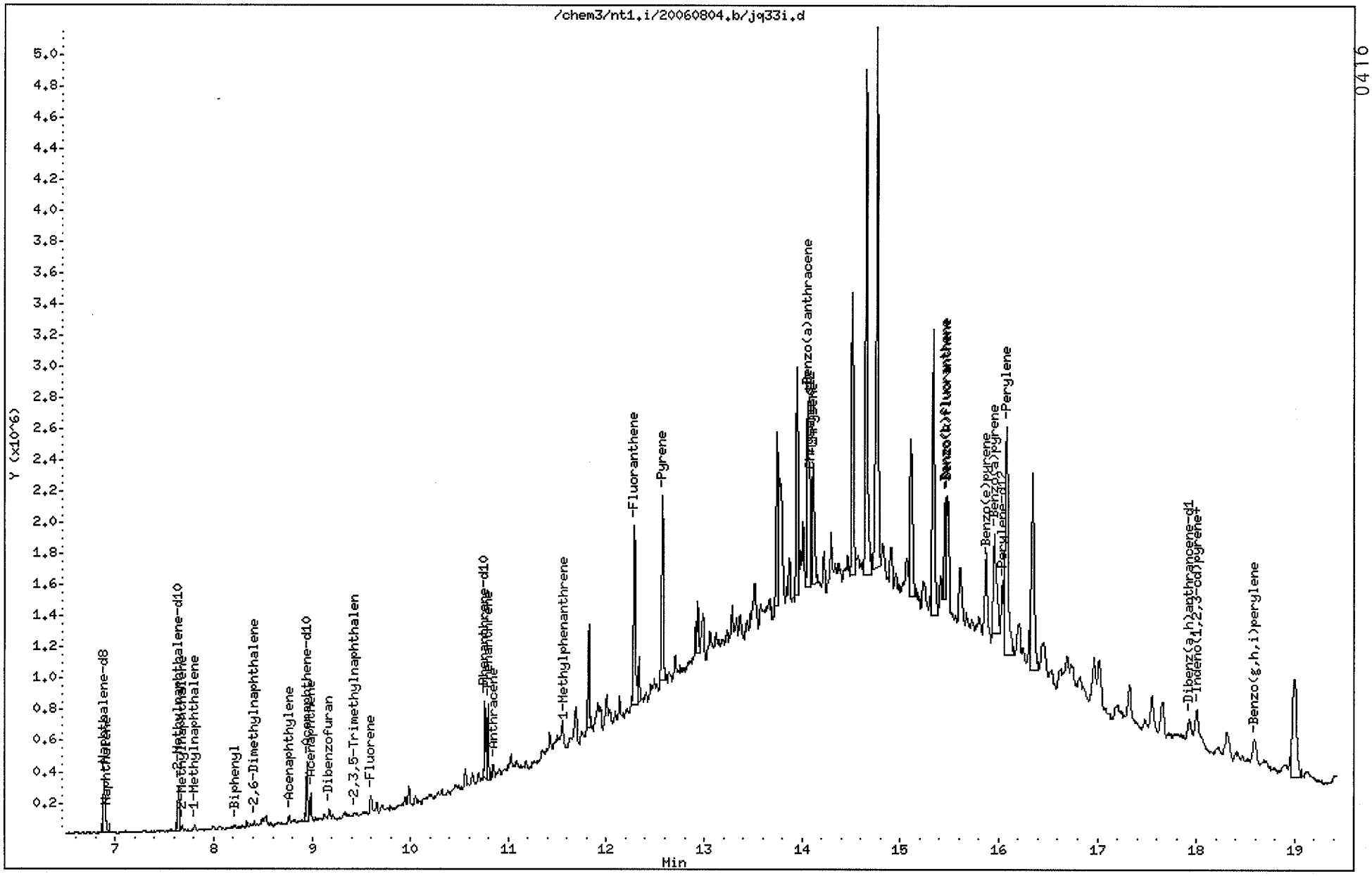
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33I
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12931

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-03-C
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	148.4	95.62	64.45	32-97
$ 32 Dibenz(a,h)anthran	148.4	76.17	51.34	21-105

Data File: /chem3/nt1.i/20060804.b/jq33i.d
Date : 04-AUG-2006 18:40
Client ID: T4-B414-03-C
Sample Info: JQ33I
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



0410

Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

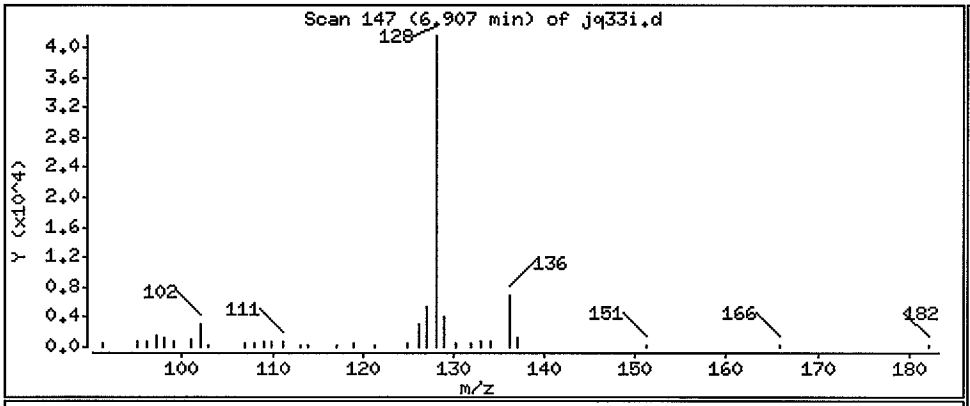
Operator: VTS

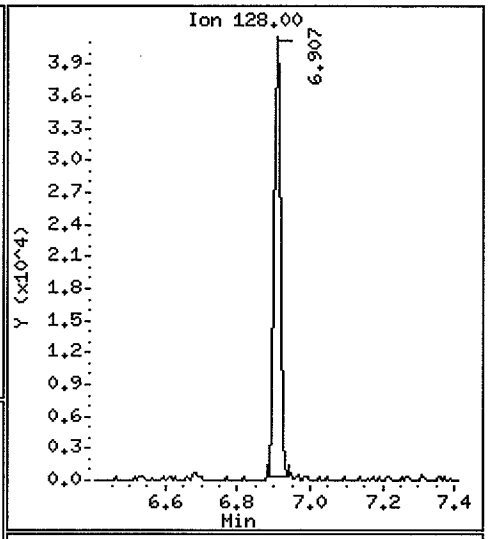
Column phase: ZB-5

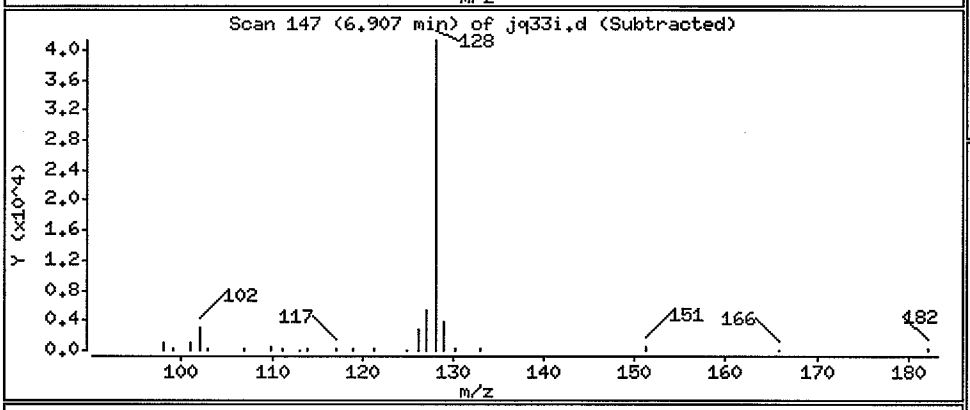
Column diameter: 0.25

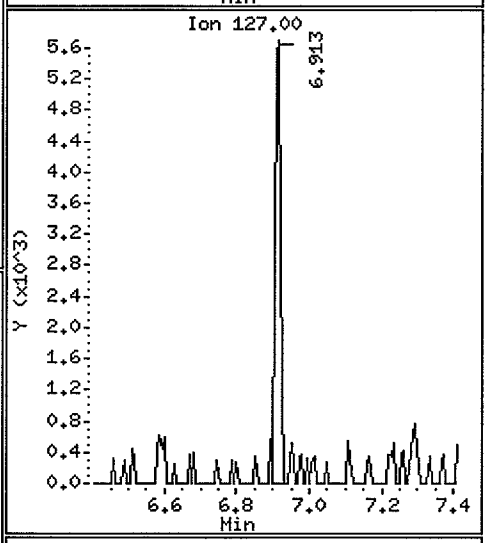
2 Naphthalene

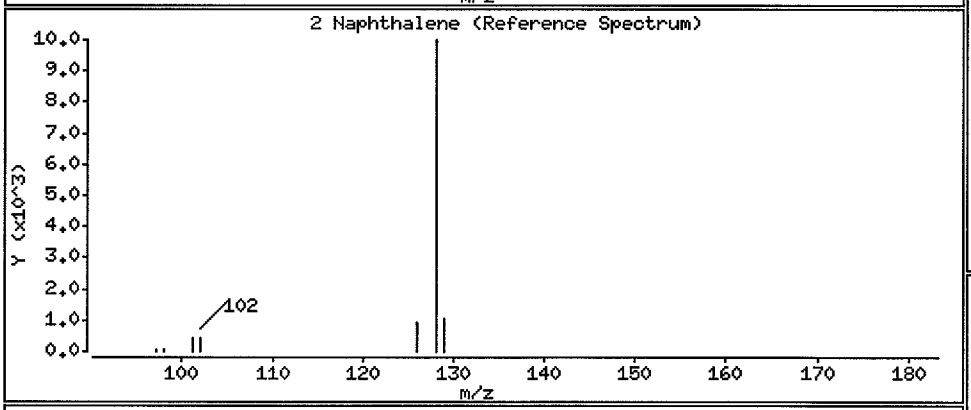
Concentration: 16.61 ug/kg

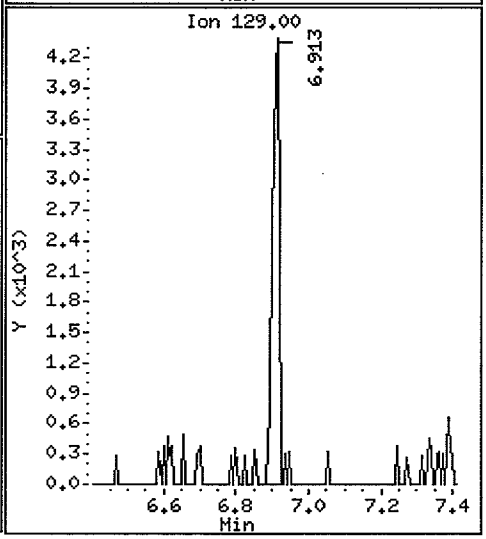


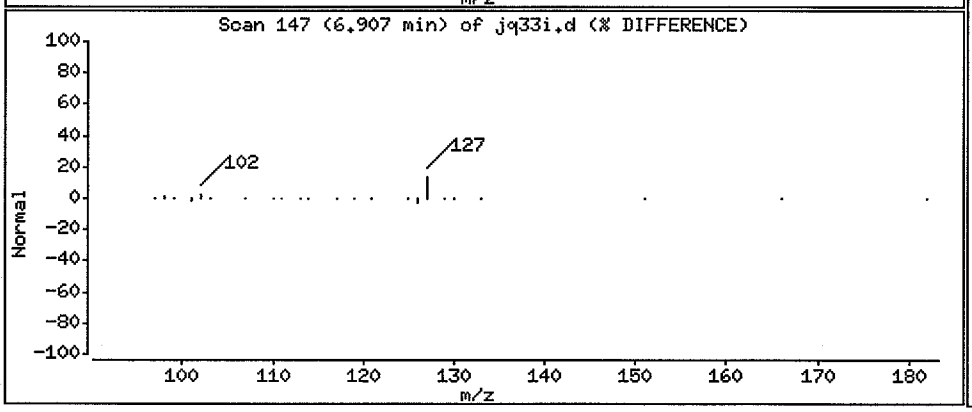












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

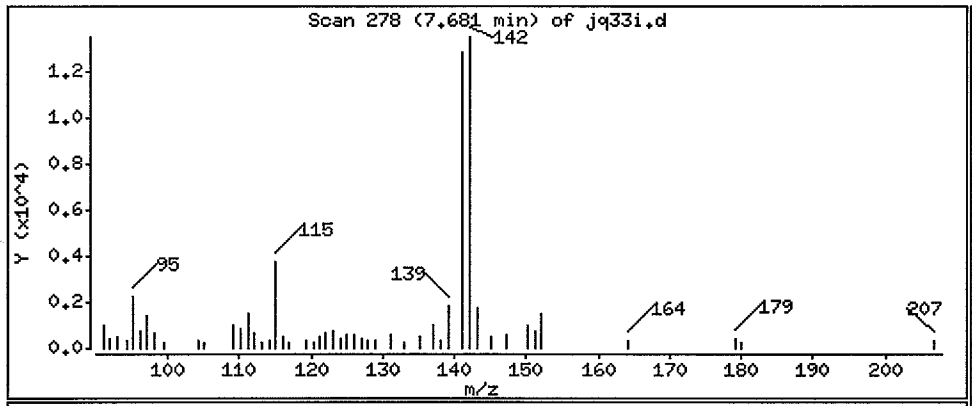
Operator: VTS

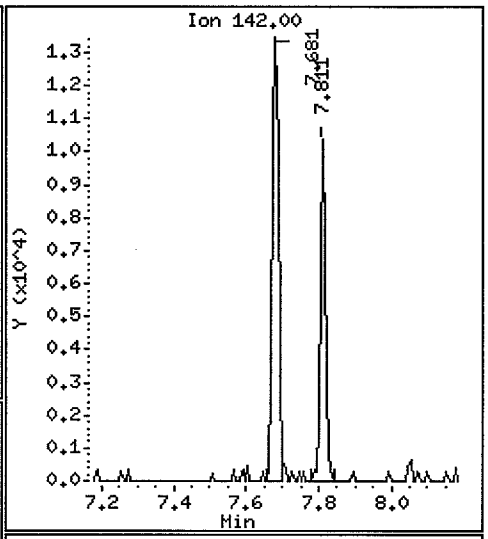
Column phase: ZB-5

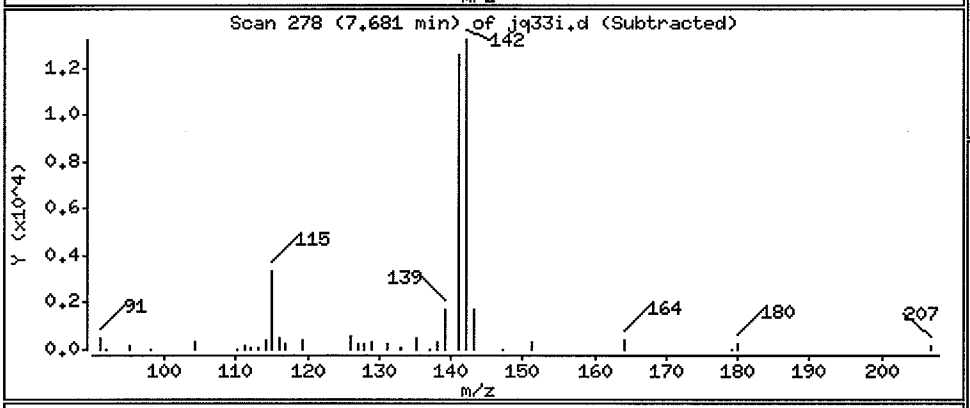
Column diameter: 0.25

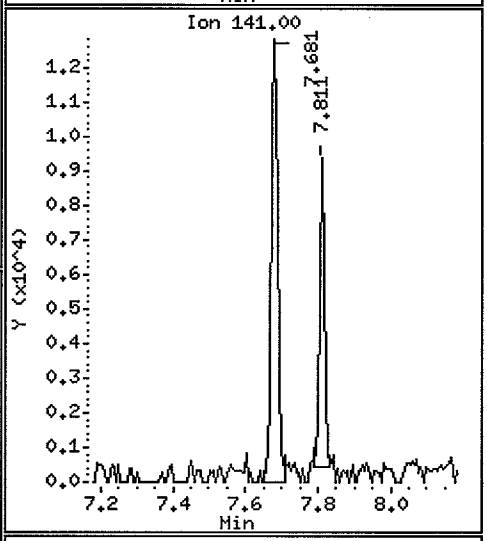
4 2-Methylnaphthalene

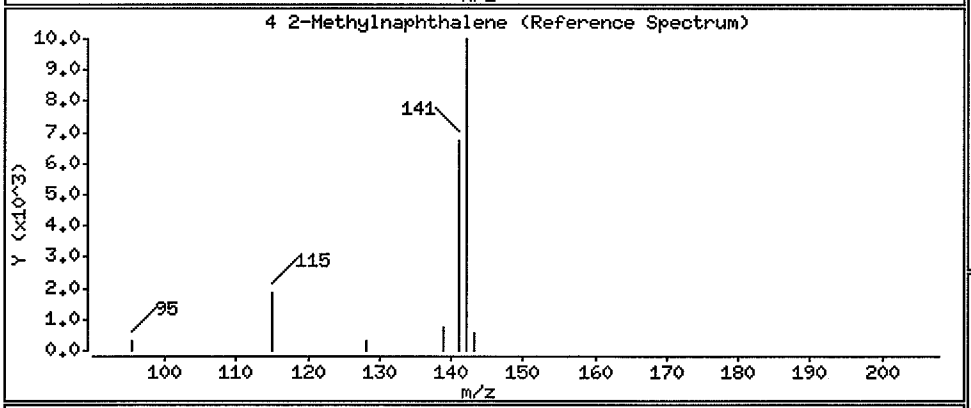
Concentration: 9.132 ug/kg

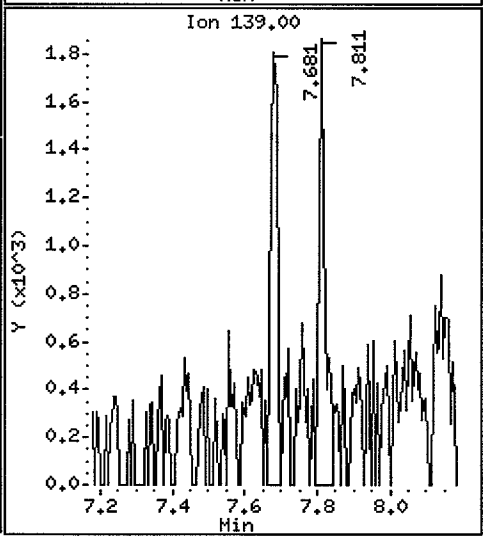


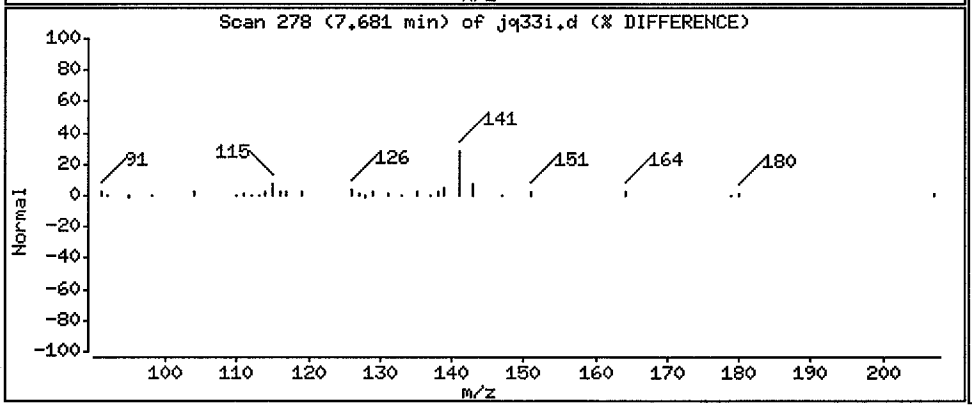












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

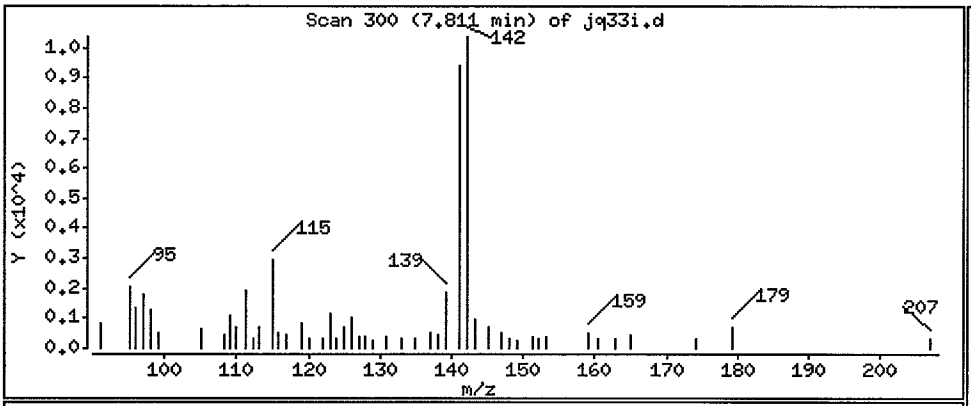
Operator: VTS

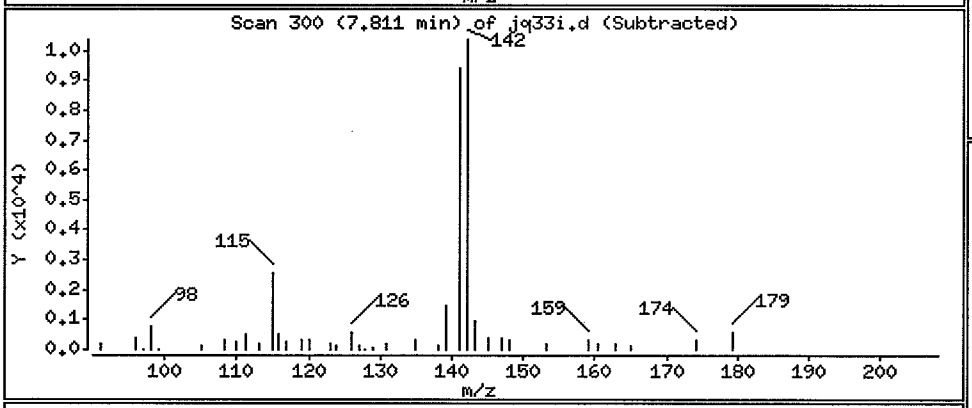
Column phase: ZB-5

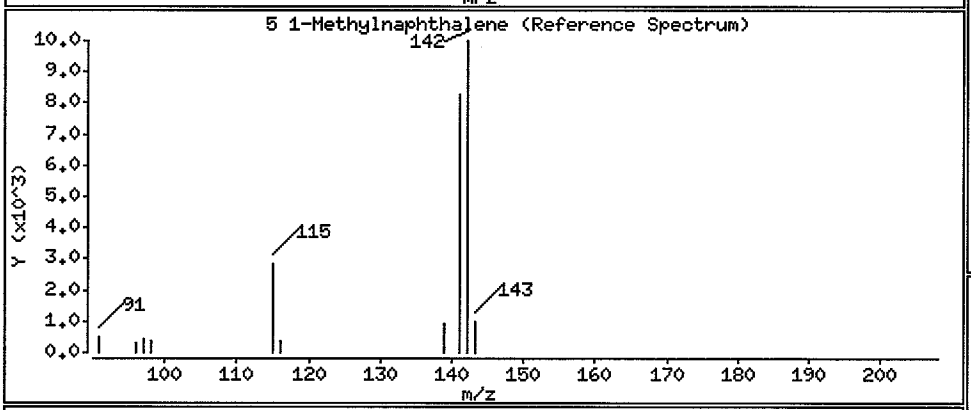
Column diameter: 0.25

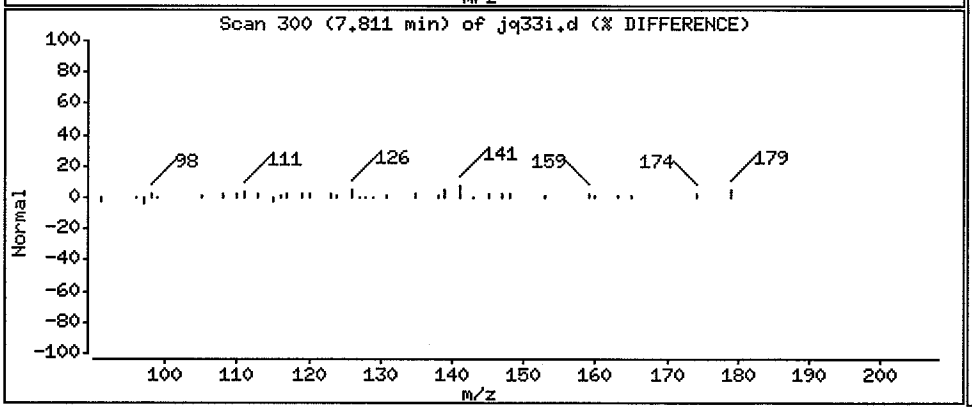
5 1-Methylnaphthalene

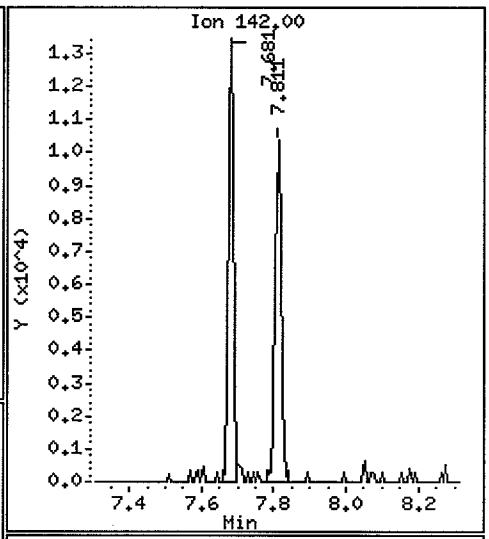
Concentration: 6.467 ug/kg

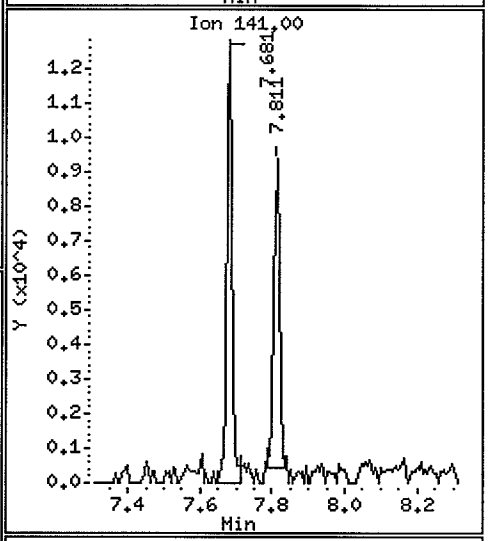


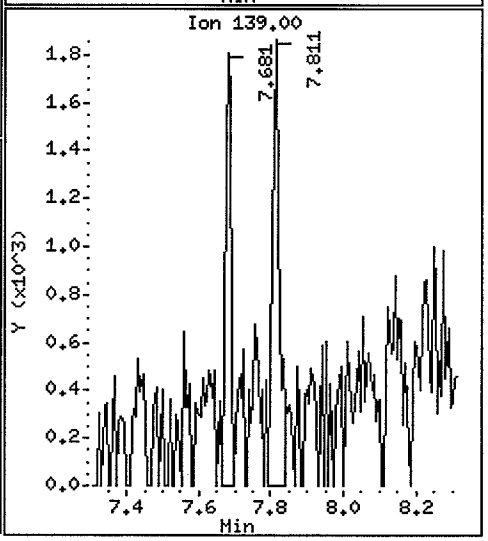












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

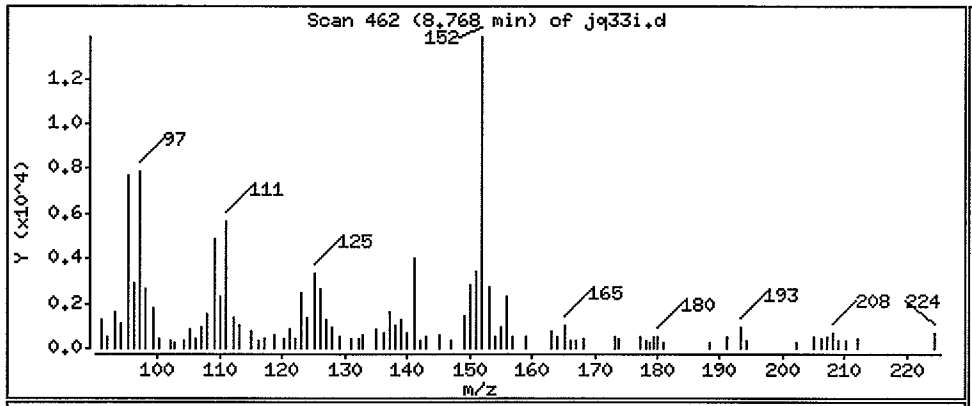
Operator: VTS

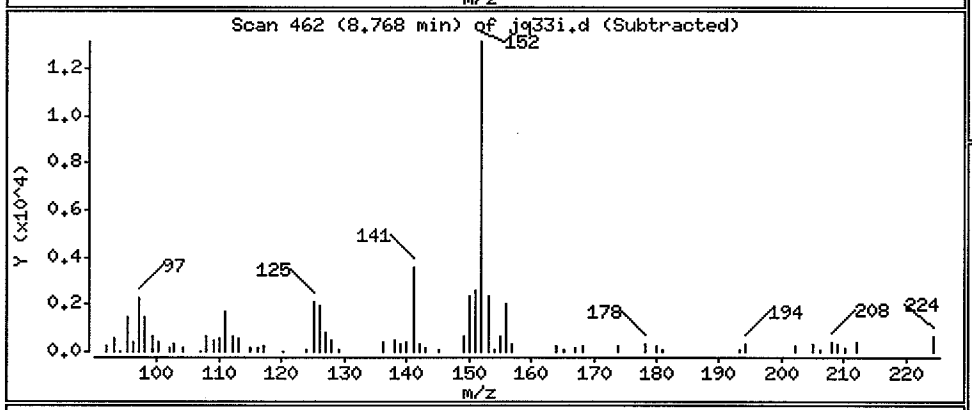
Column phase: ZB-5

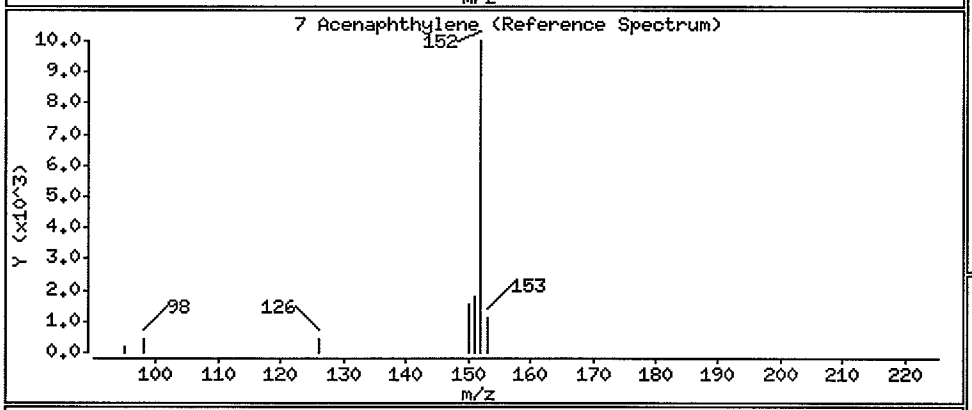
Column diameter: 0.25

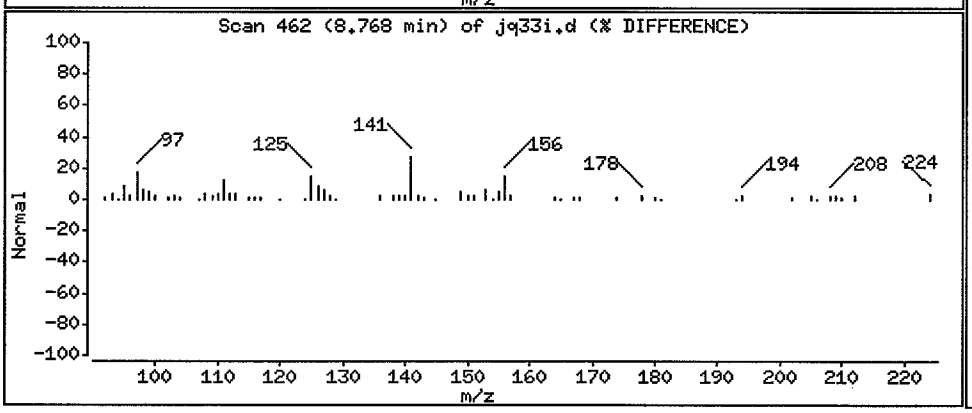
7 Acenaphthylene

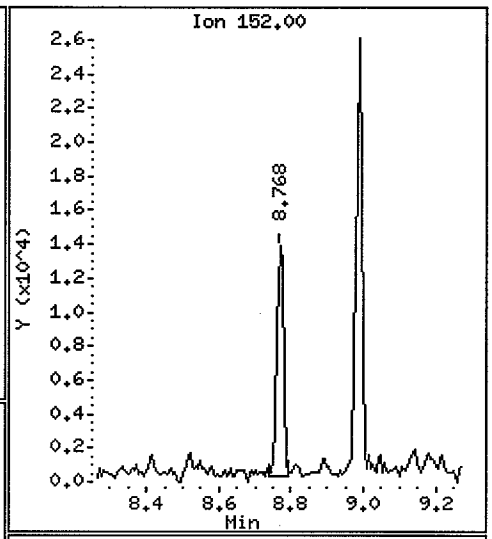
Concentration: 6.600 ug/kg

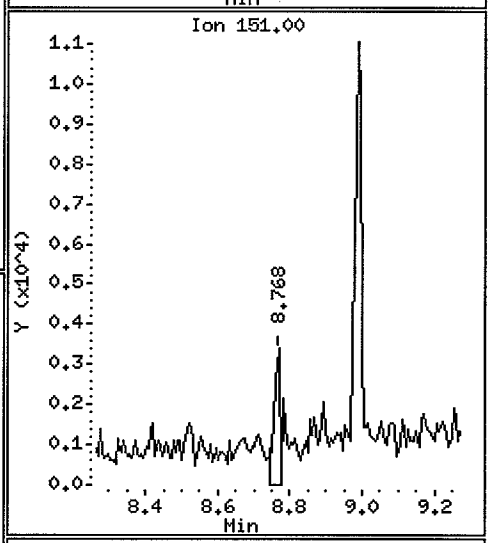


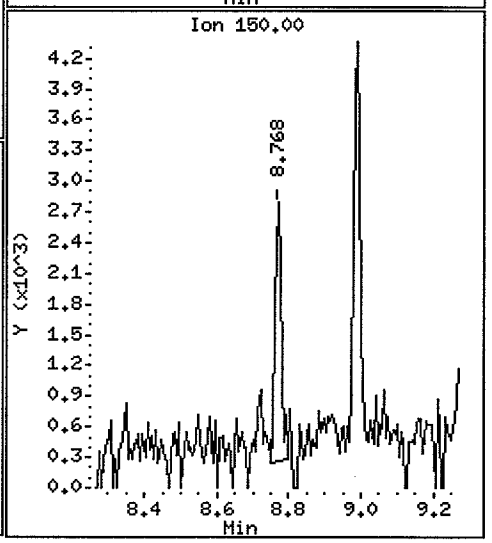












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

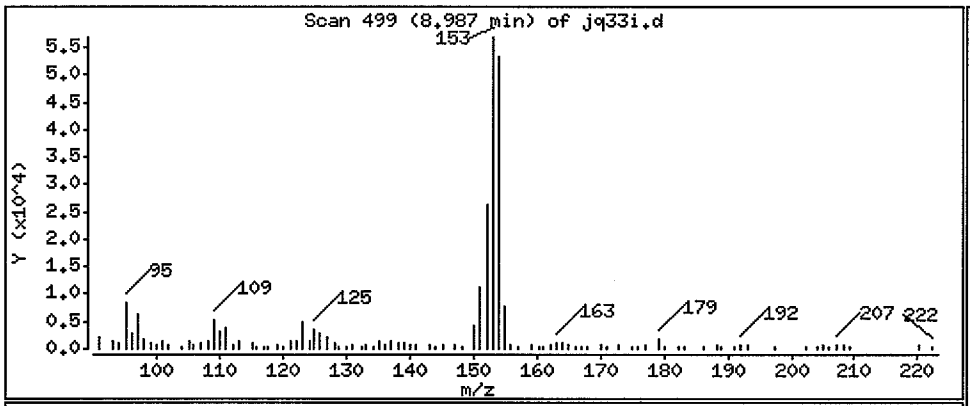
Operator: VTS

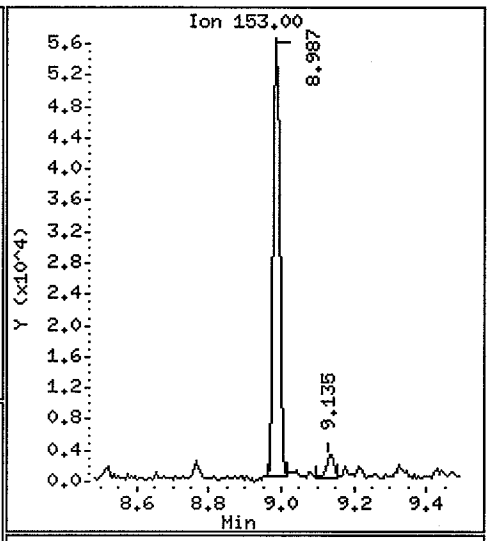
Column phase: ZB-5

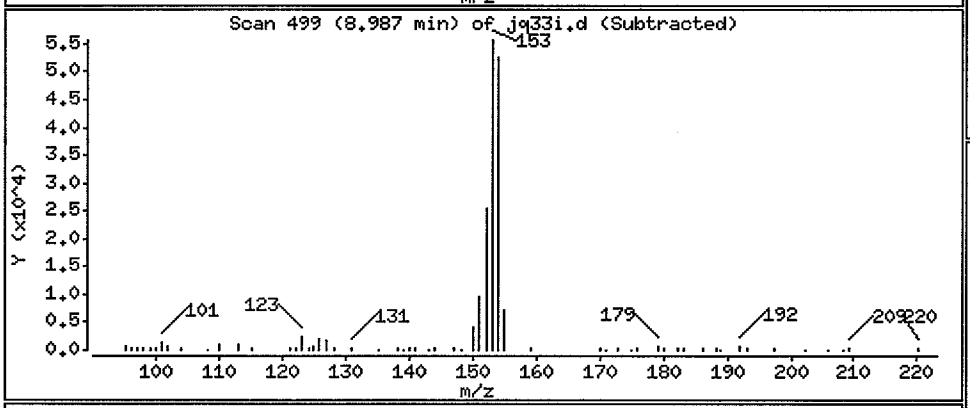
Column diameter: 0.25

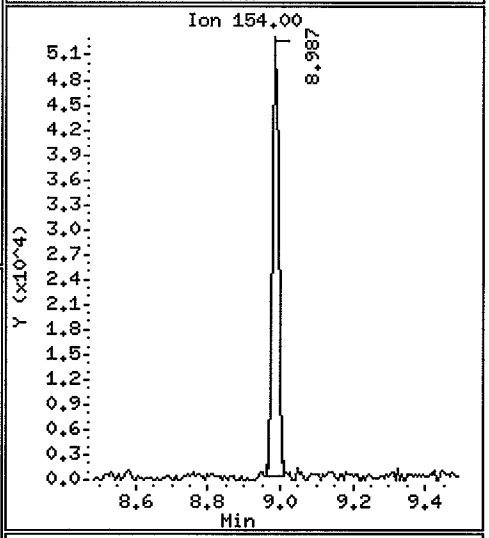
9 Acenaphthene

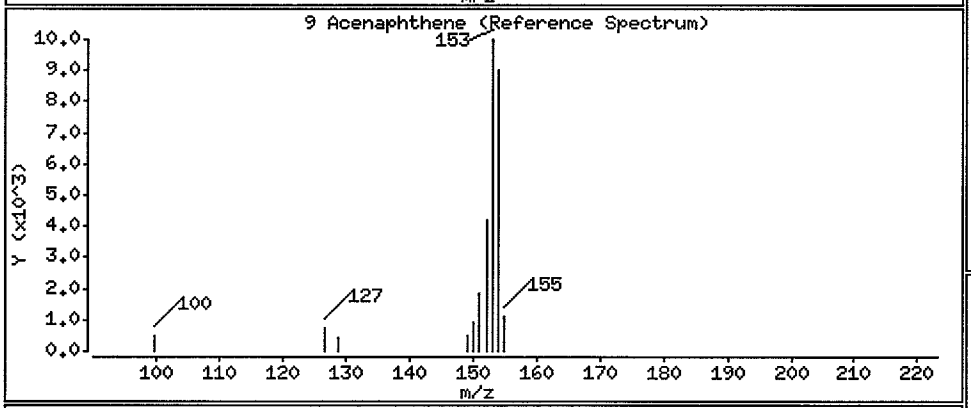
Concentration: 43.17 ug/kg

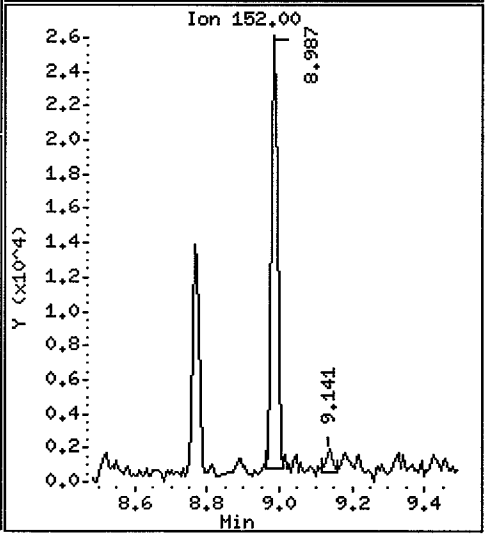


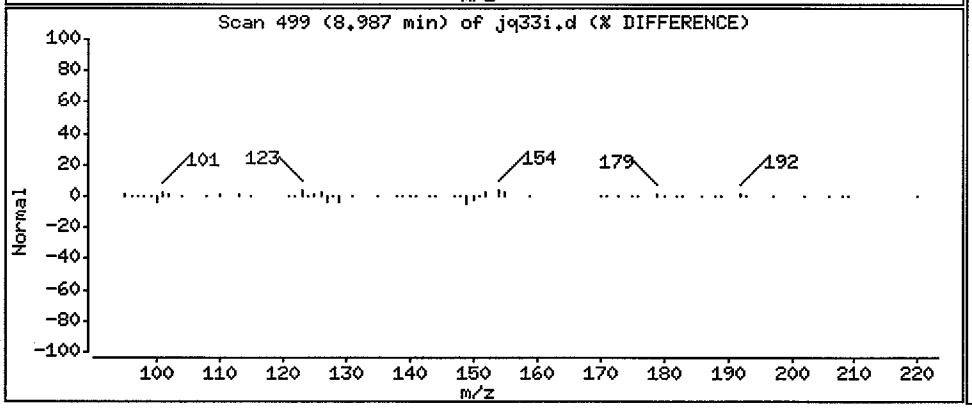












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

Operator: VTS

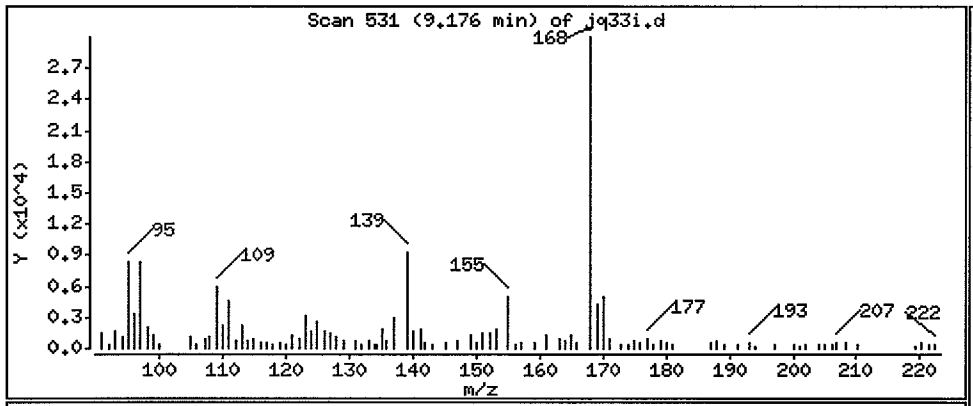
Column phase: ZB-5

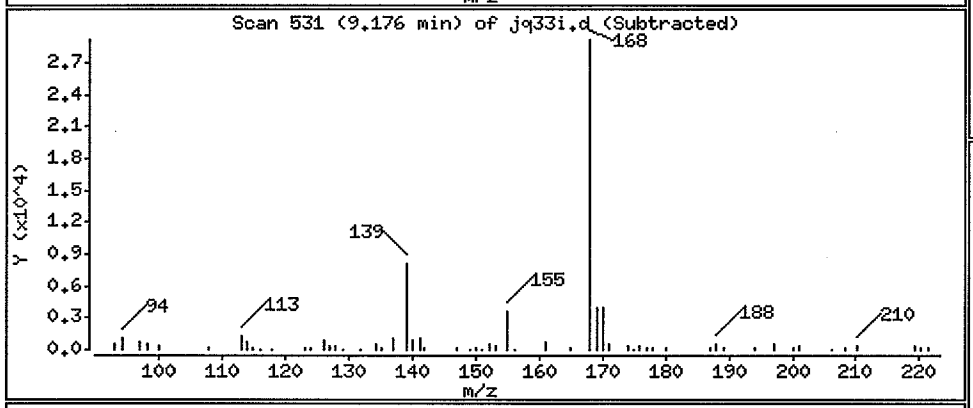
Column diameter: 0.25

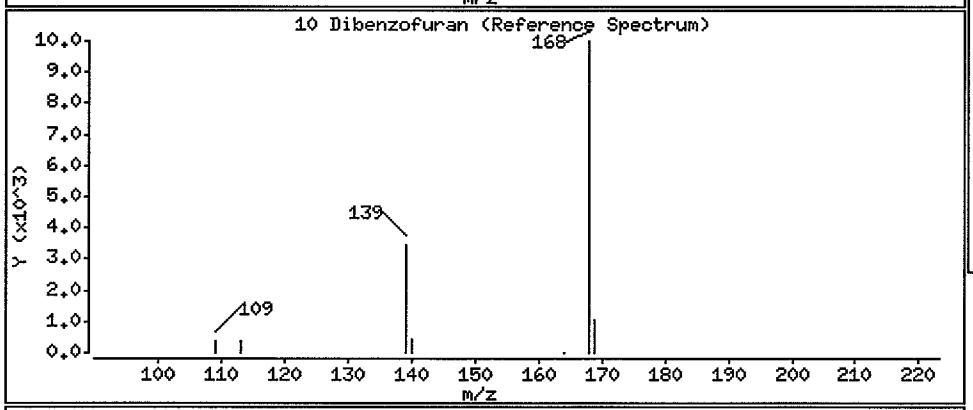
10 Dibenzofuran

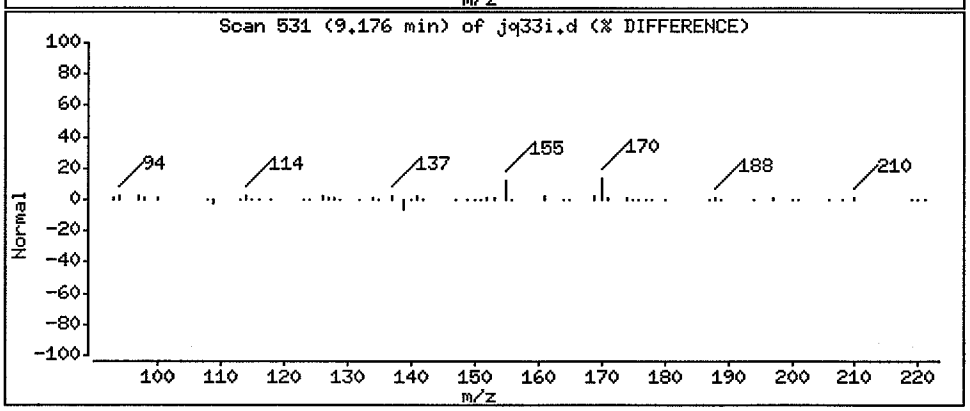
Concentration: 14.40 ug/kg

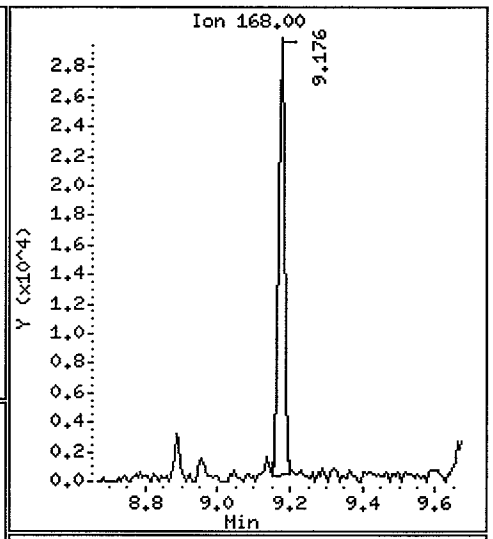
N.R.qc/

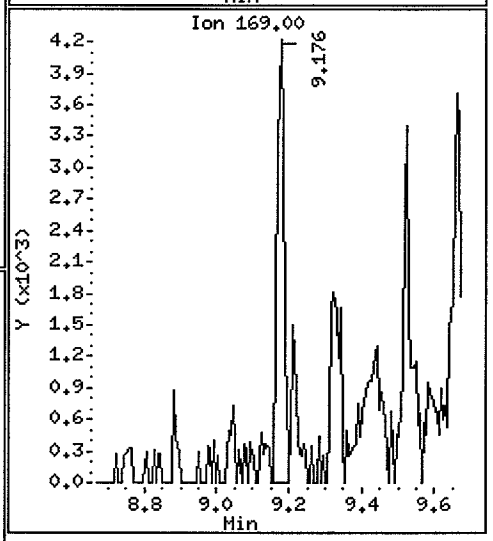












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

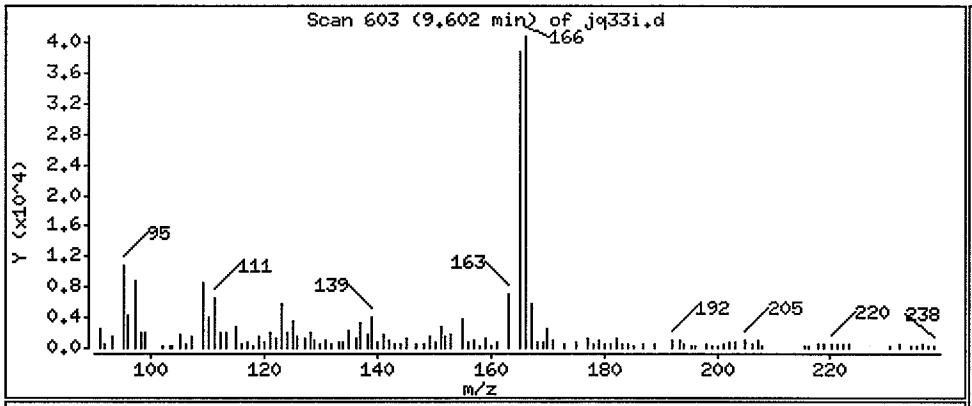
Operator: VTS

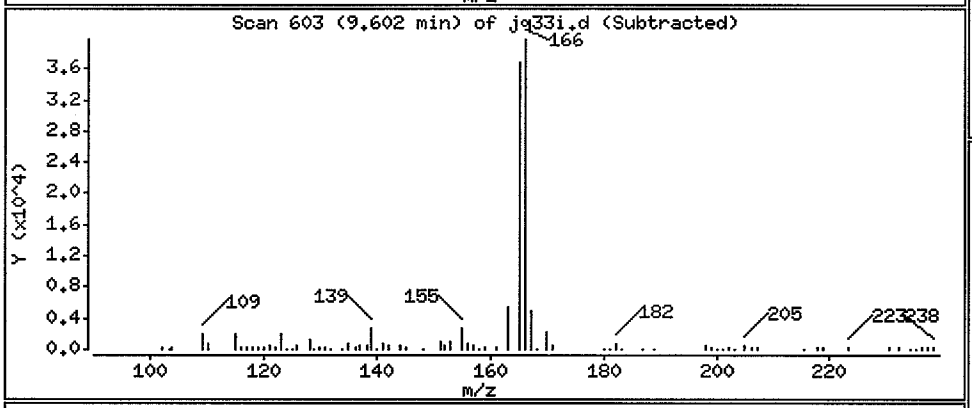
Column phase: ZB-5

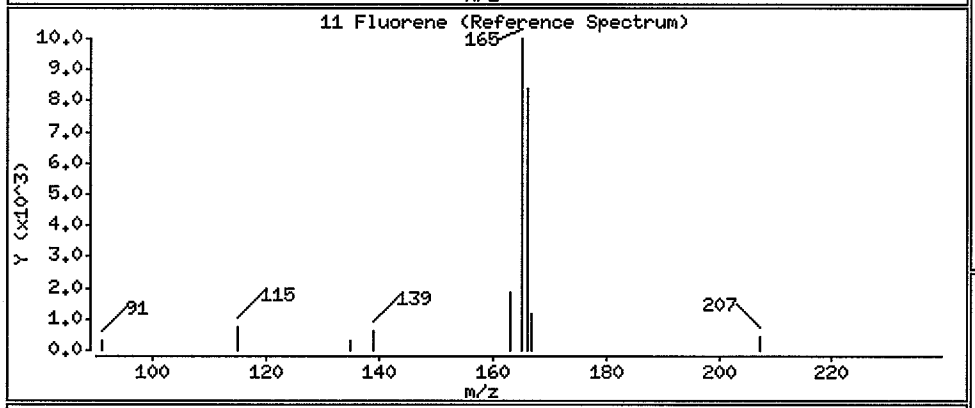
Column diameter: 0.25

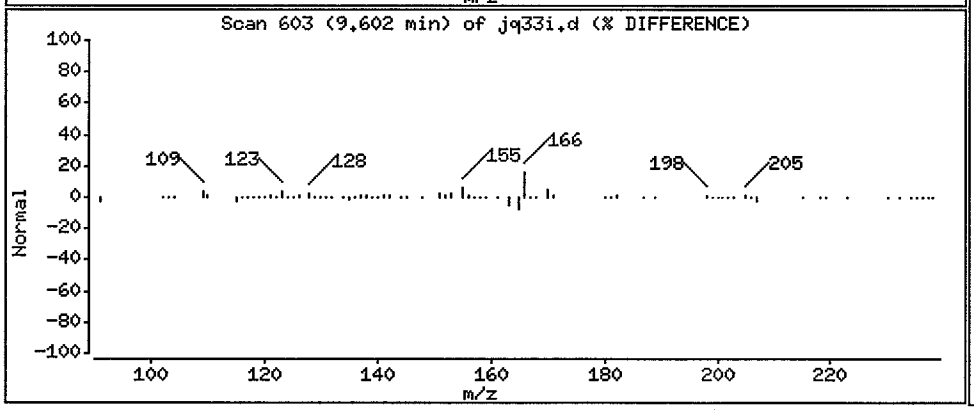
11 Fluorene

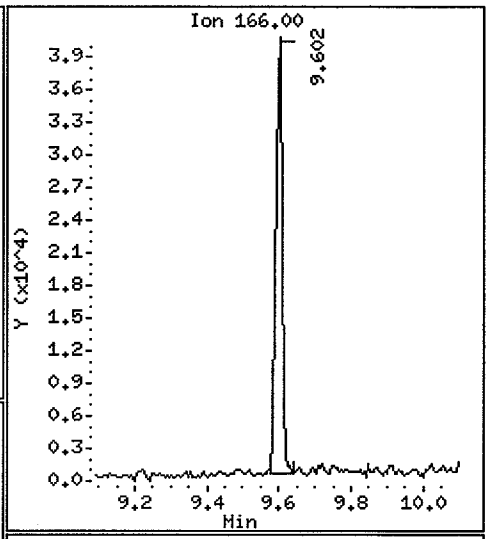
Concentration: 27.96 ug/kg

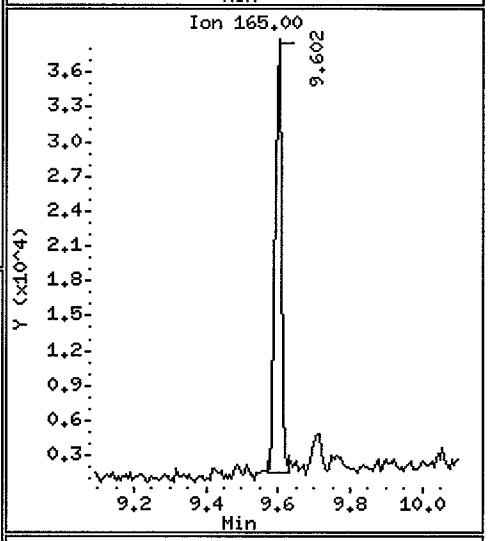


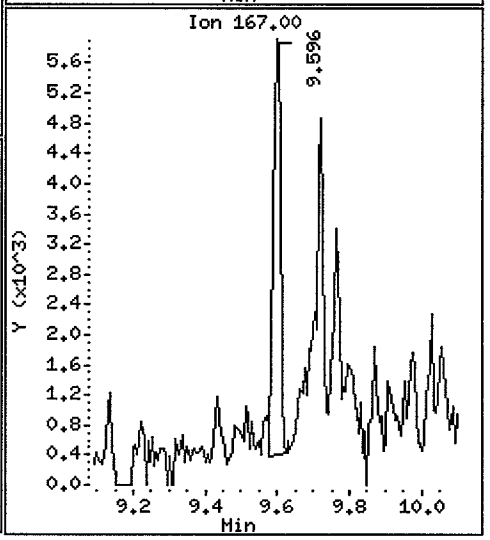












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

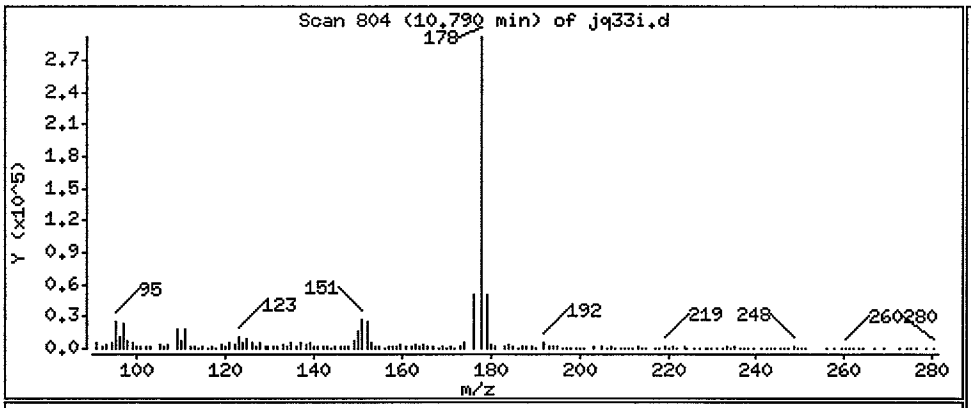
Operator: VTS

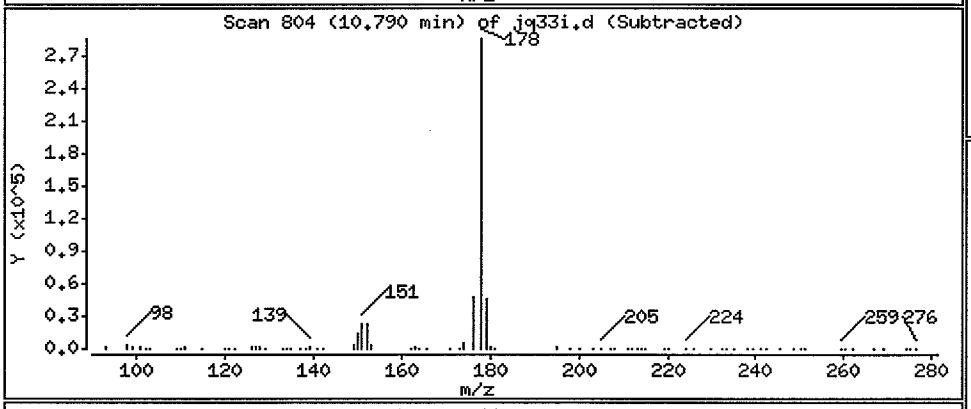
Column phase: ZB-5

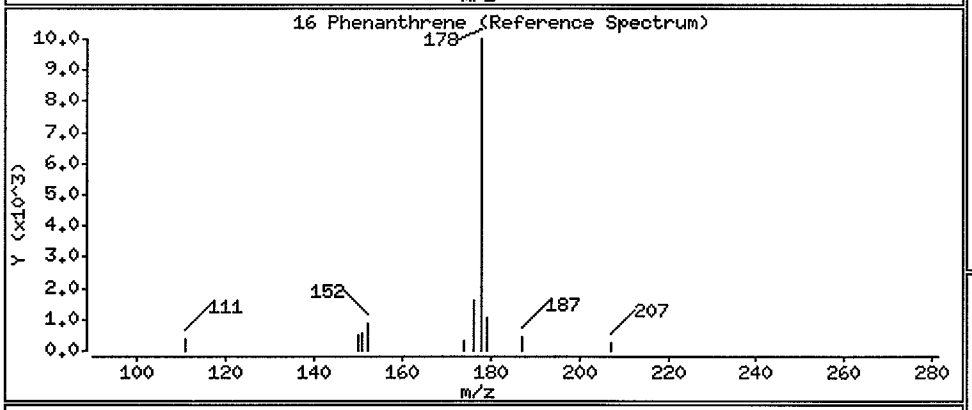
Column diameter: 0.25

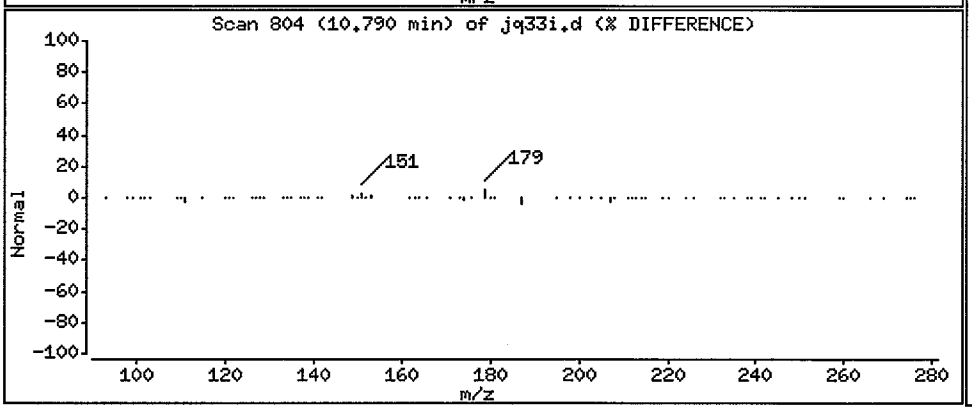
16 Phenanthrene

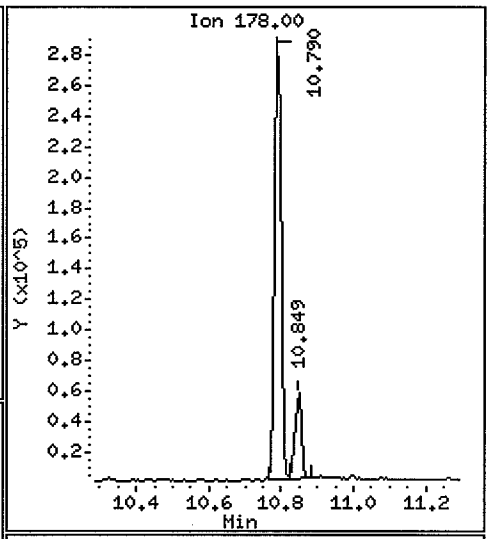
Concentration: 127.9 ug/kg

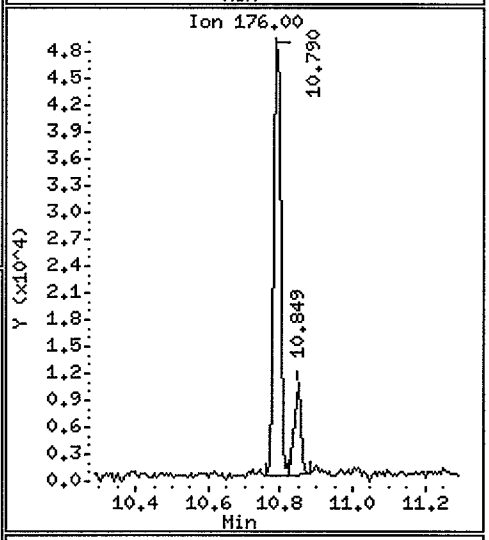


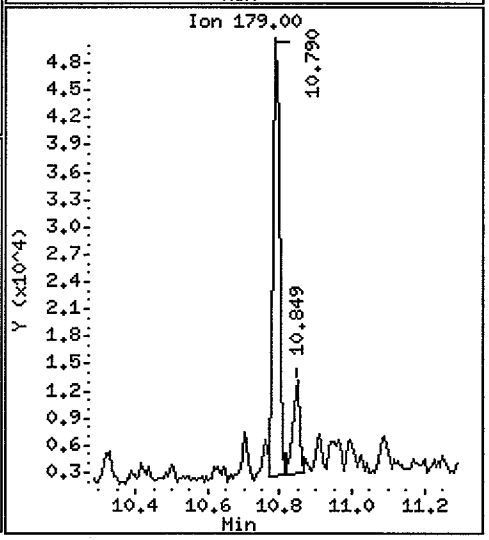












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

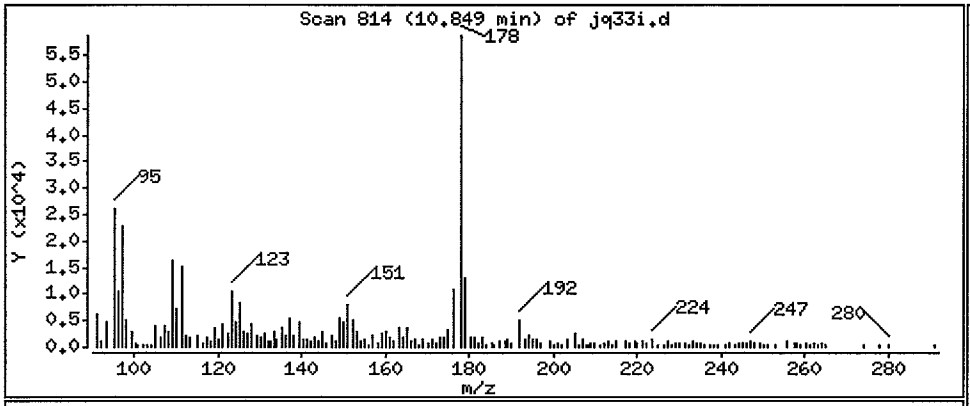
Operator: VTS

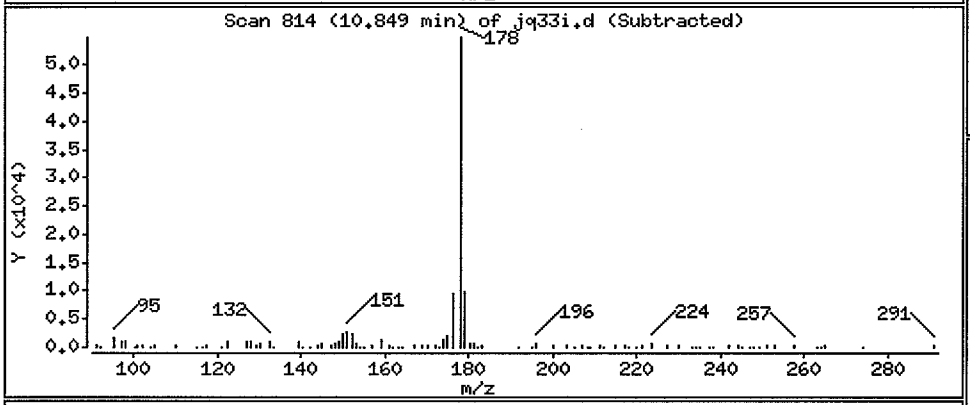
Column phase: ZB-5

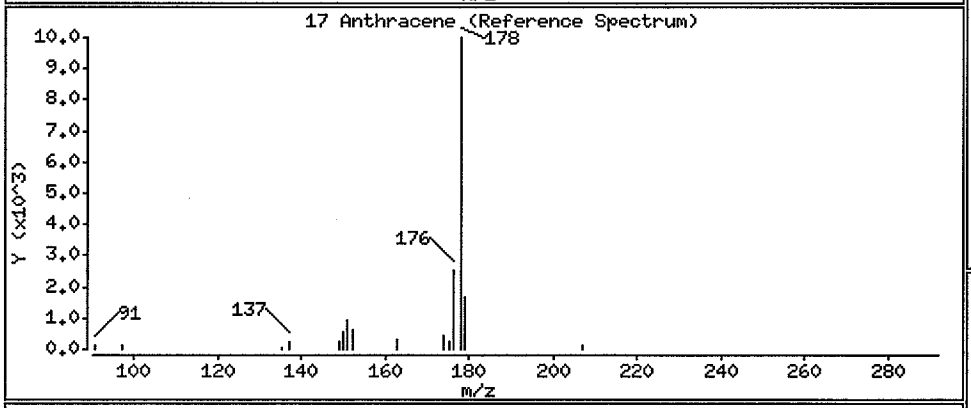
Column diameter: 0.25

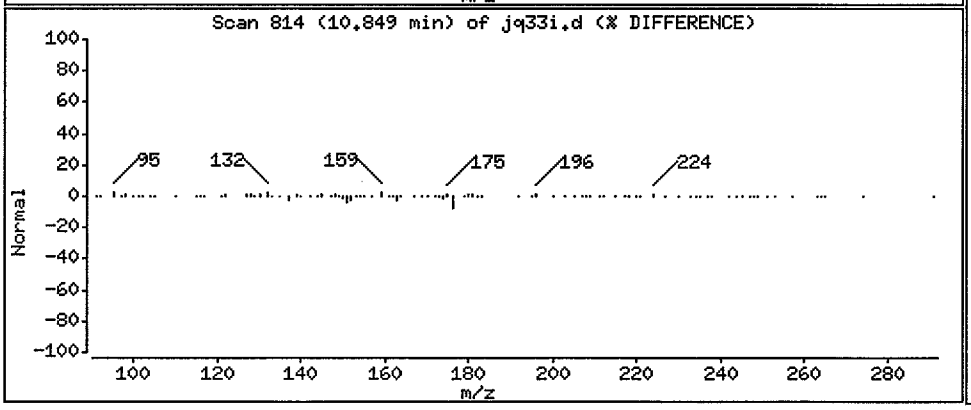
17 Anthracene

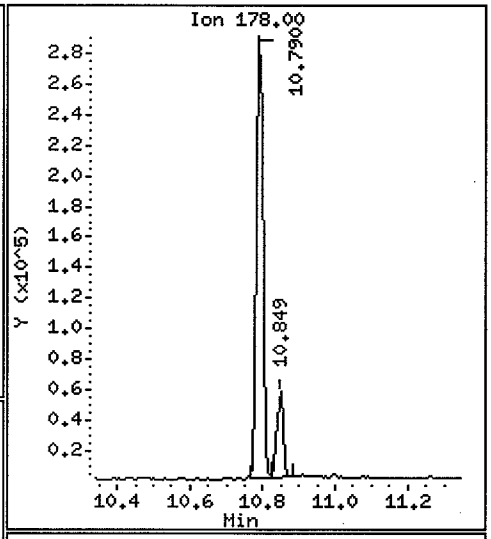
Concentration: 25.93 ug/kg

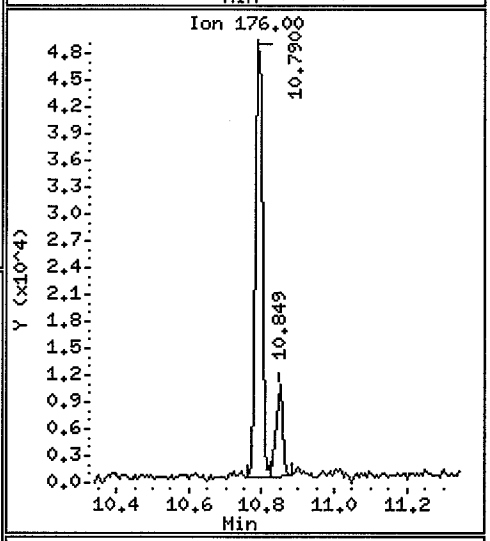


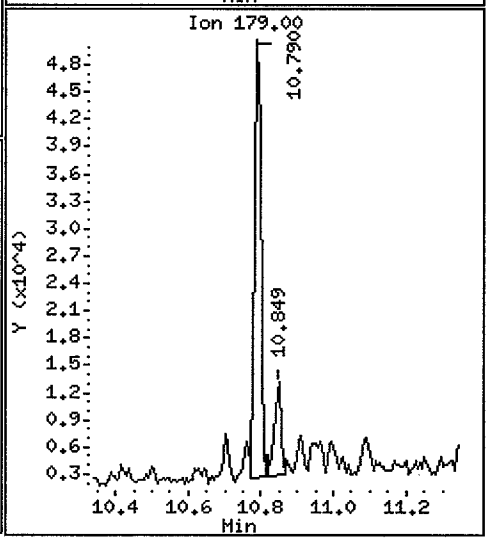












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

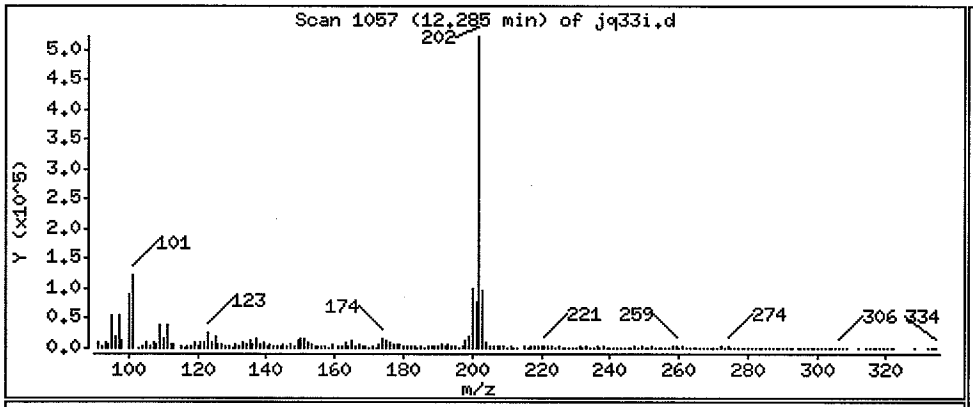
Operator: VTS

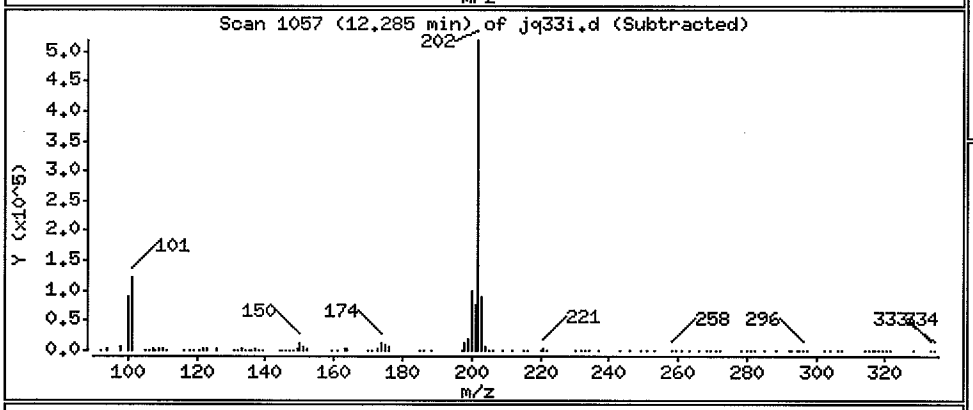
Column phase: ZB-5

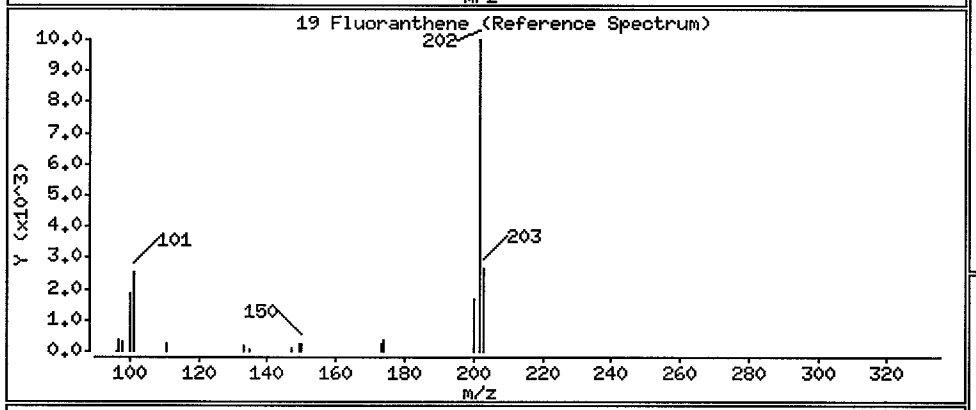
Column diameter: 0.25

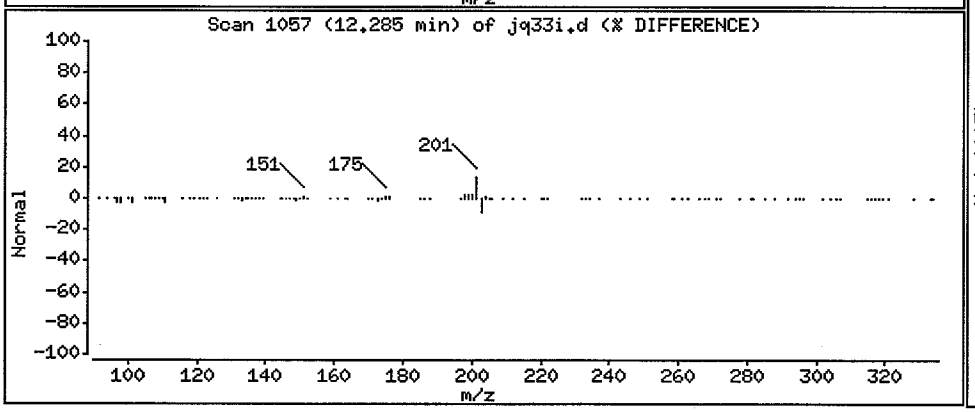
19 Fluoranthene

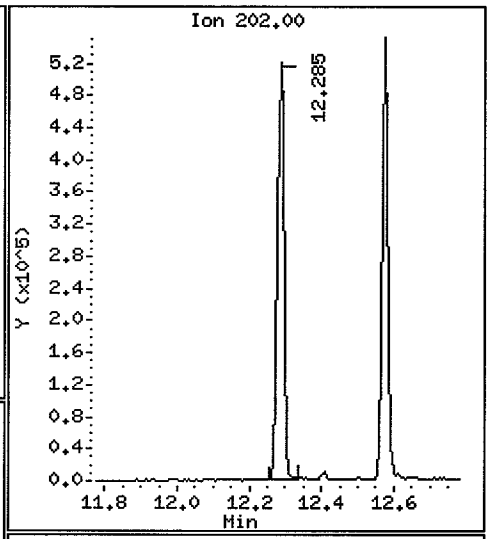
Concentration: 230.4 ug/kg

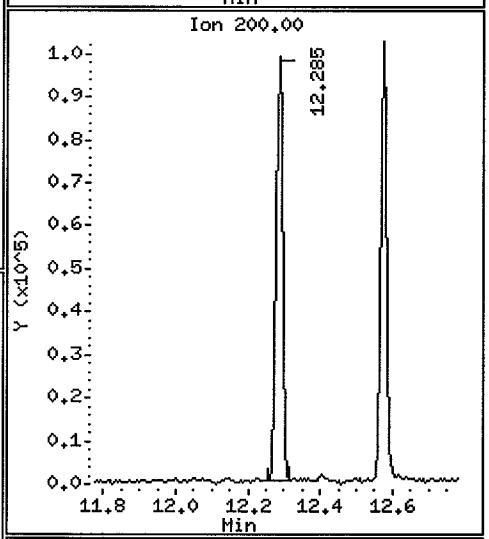


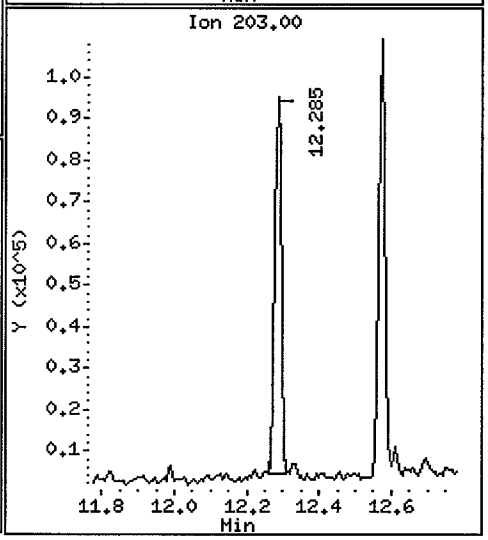












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

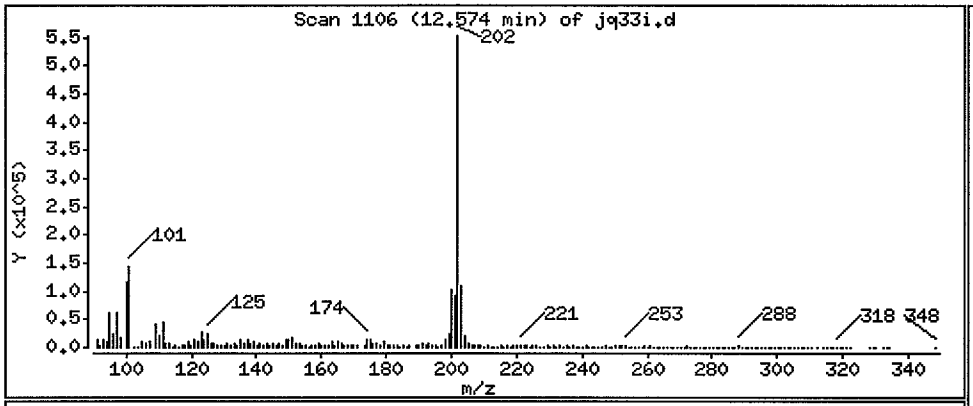
Operator: VTS

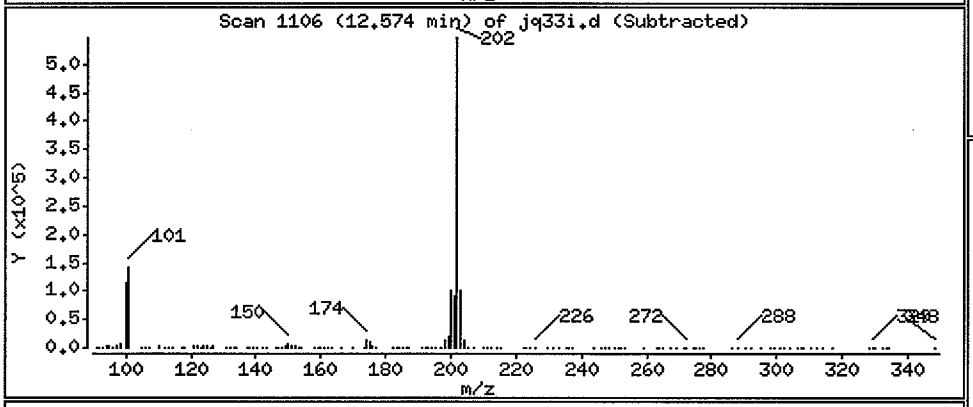
Column phase: ZB-5

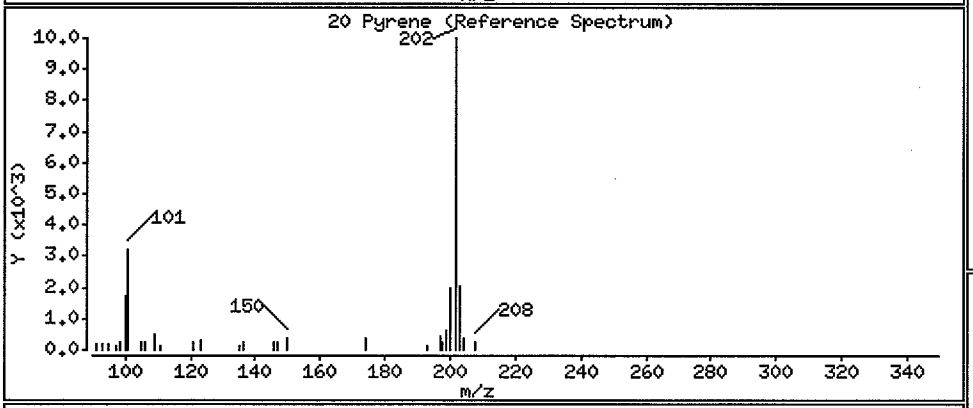
Column diameter: 0.25

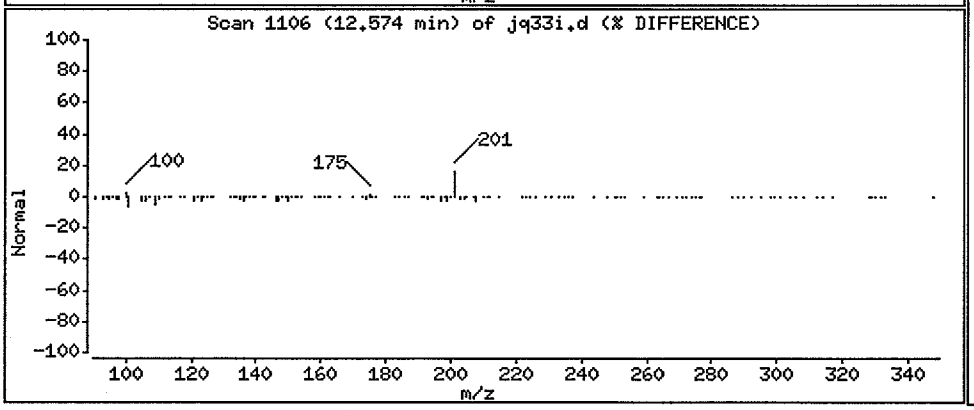
20 Pyrene

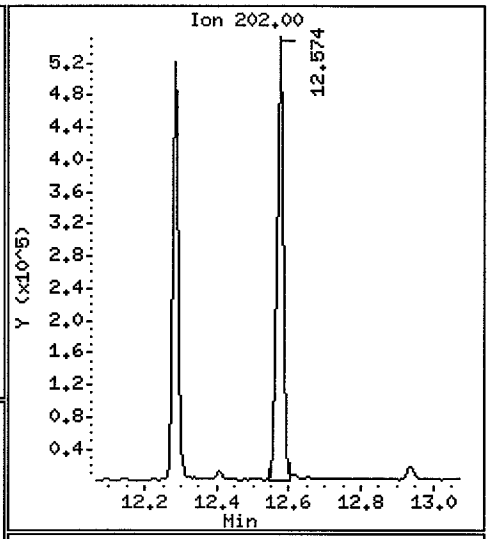
Concentration: 206.6 ug/kg

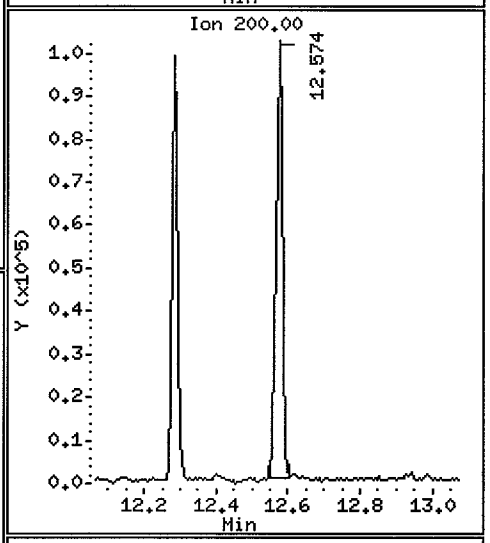


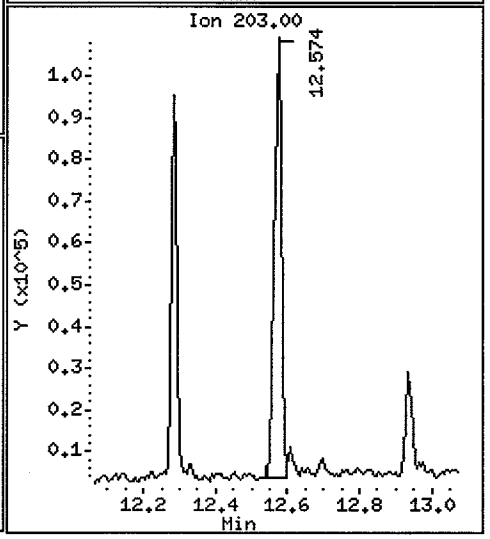












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

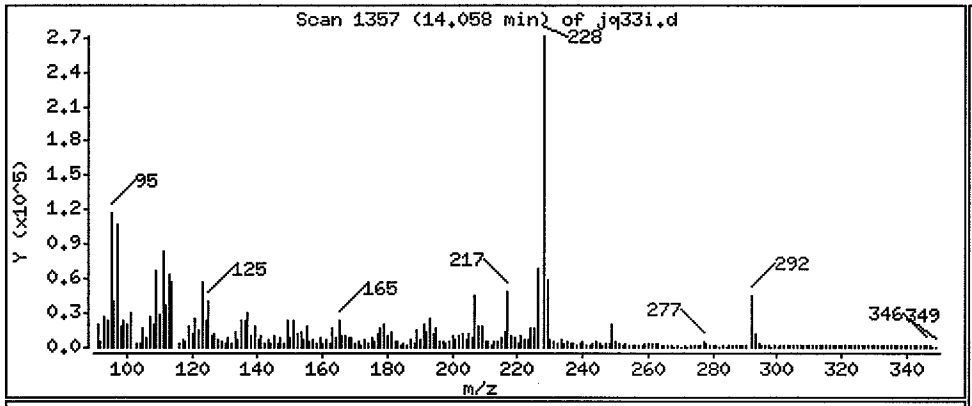
Operator: VTS

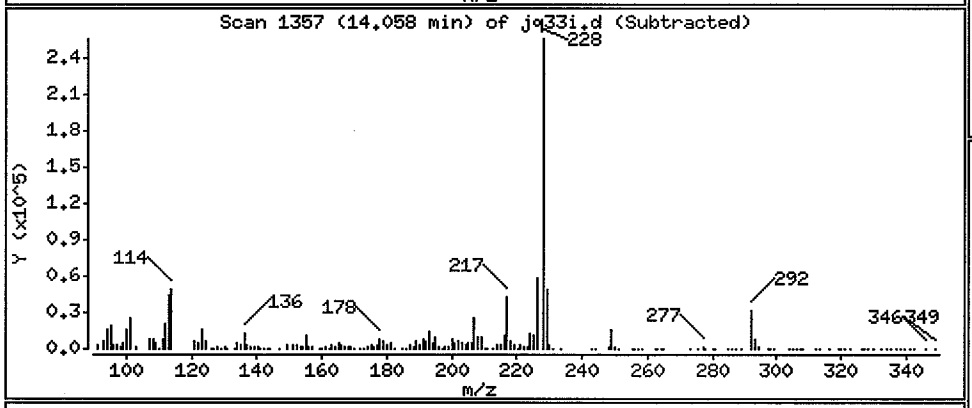
Column phase: ZB-5

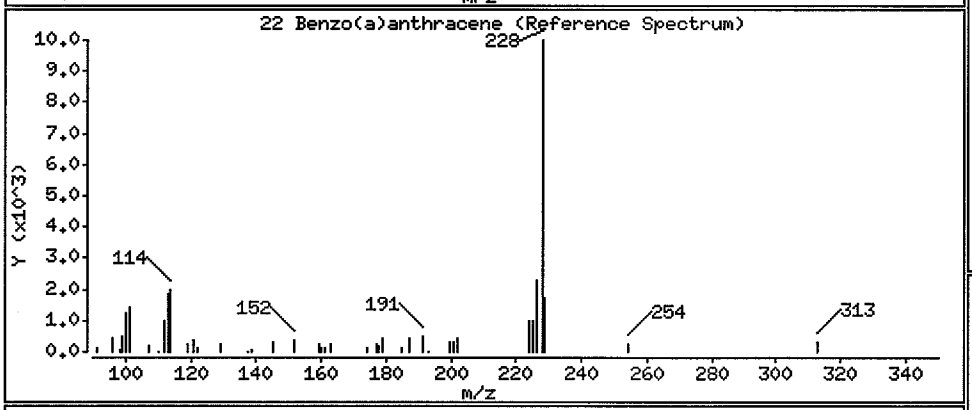
Column diameter: 0.25

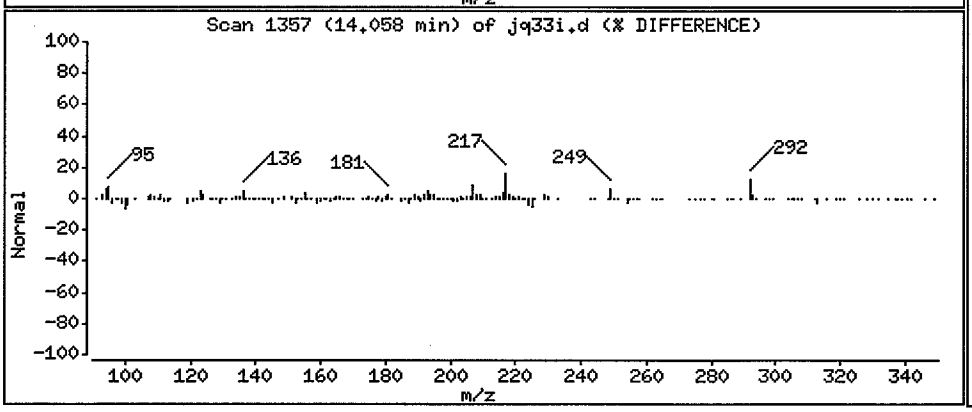
22 Benzo(a)anthracene

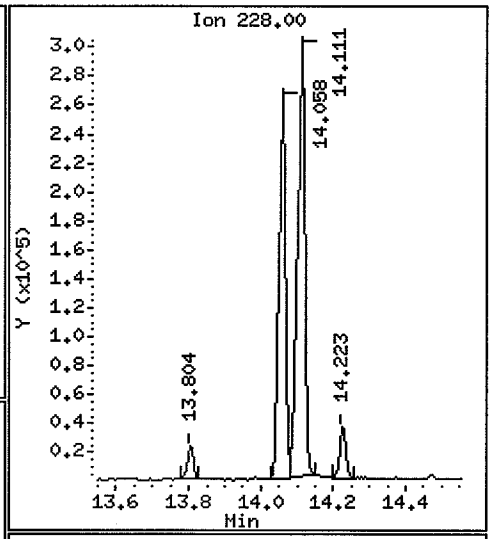
Concentration: 108.9 ug/kg

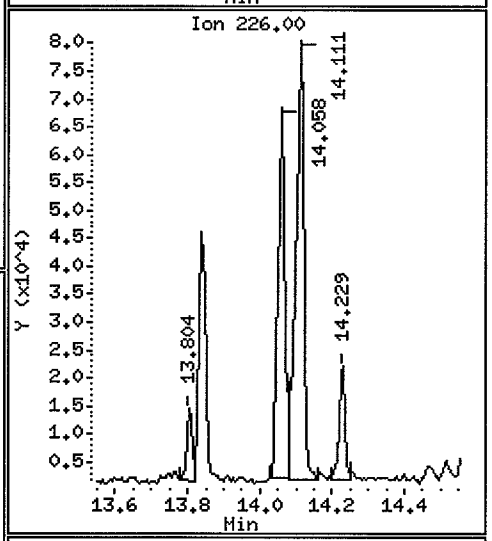


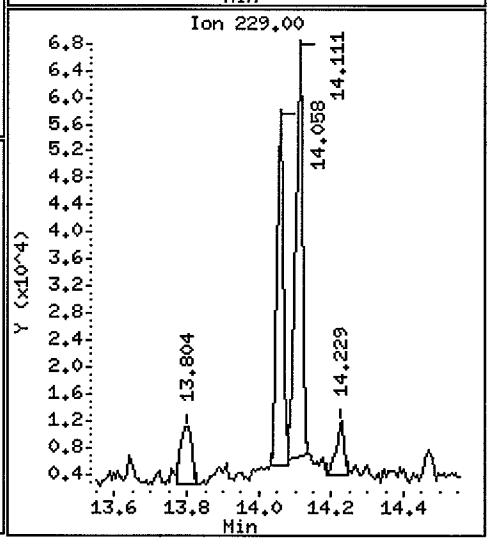












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

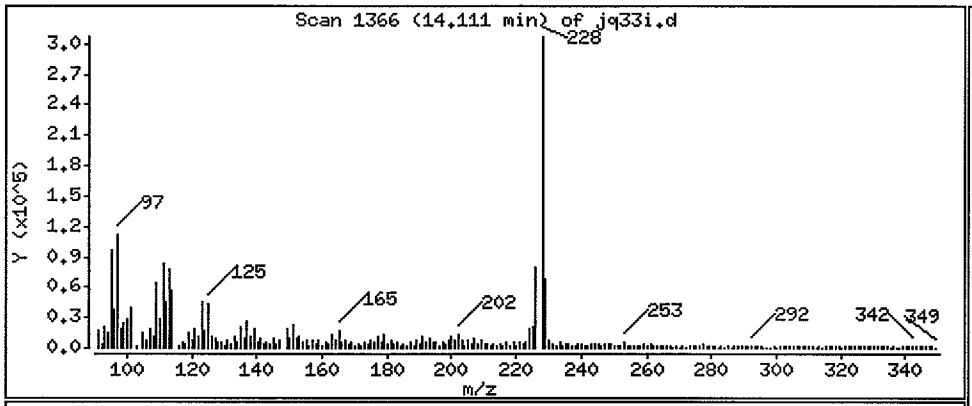
Operator: VTS

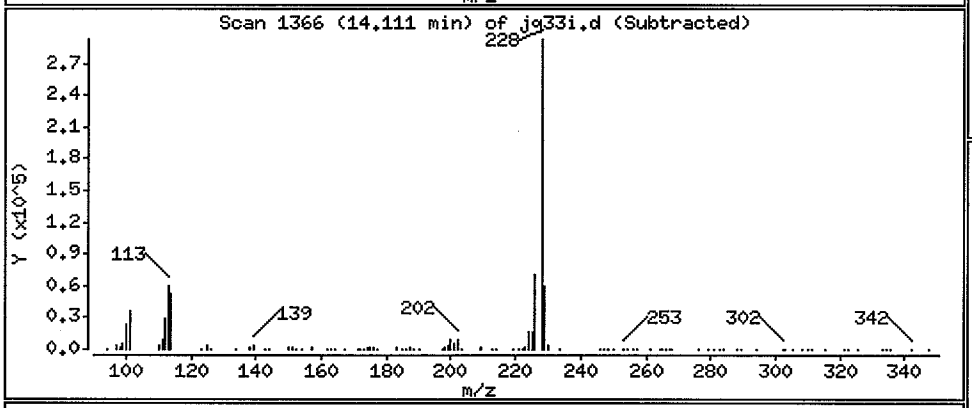
Column phase: ZB-5

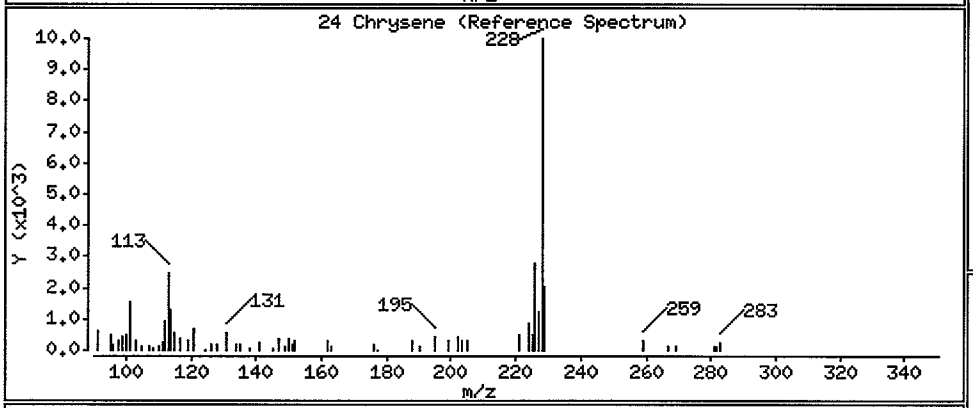
Column diameter: 0.25

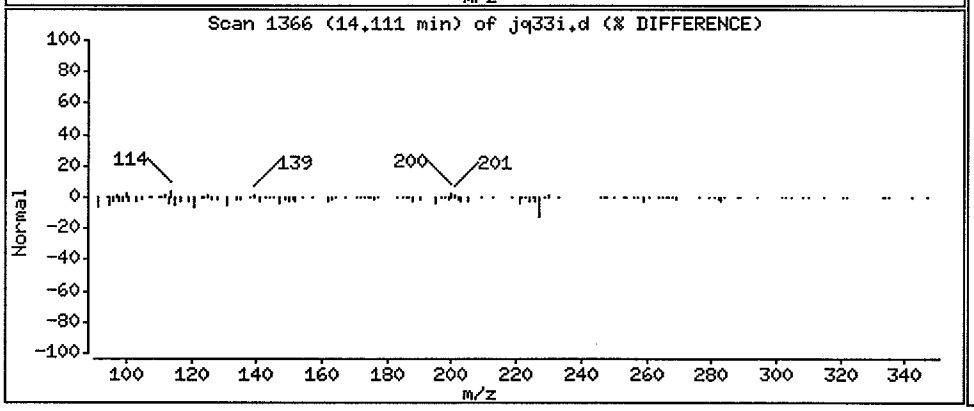
24 Chrysene

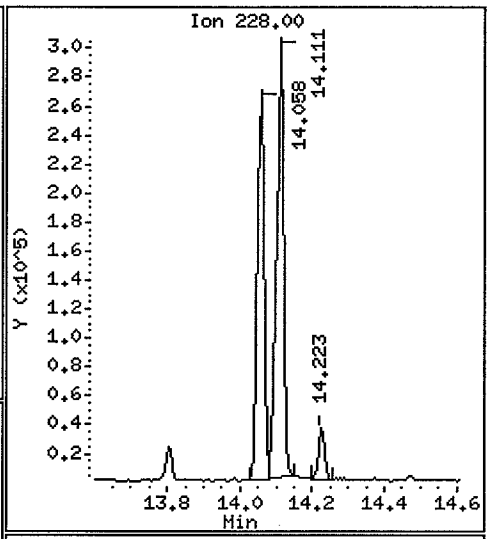
Concentration: 149.6 ug/kg

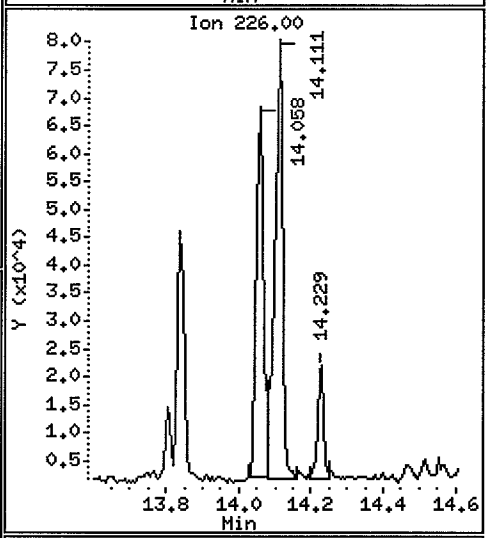


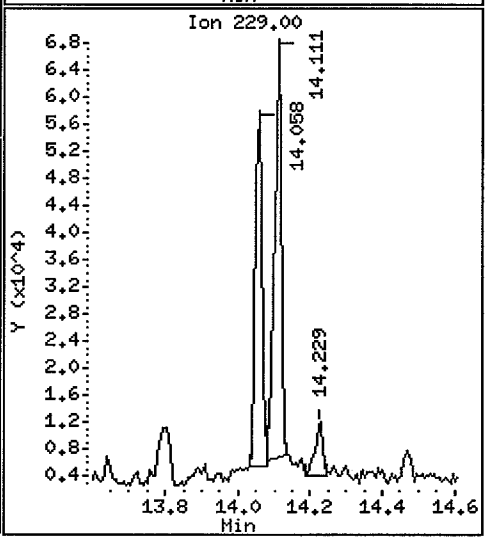












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

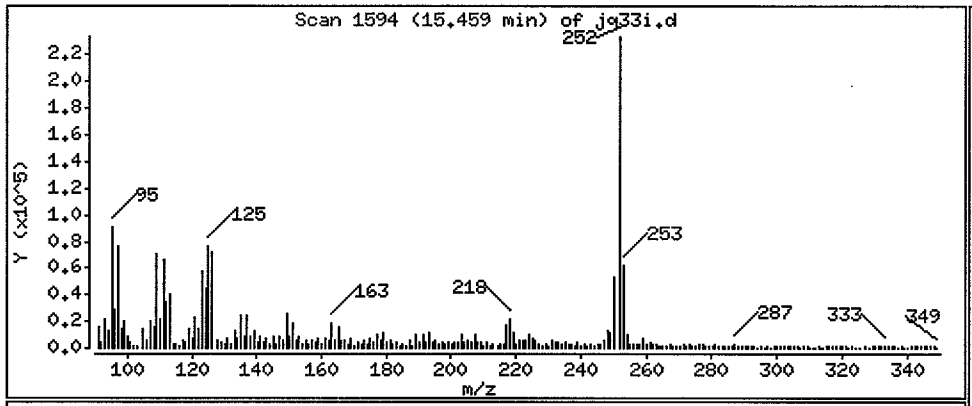
Operator: VTS

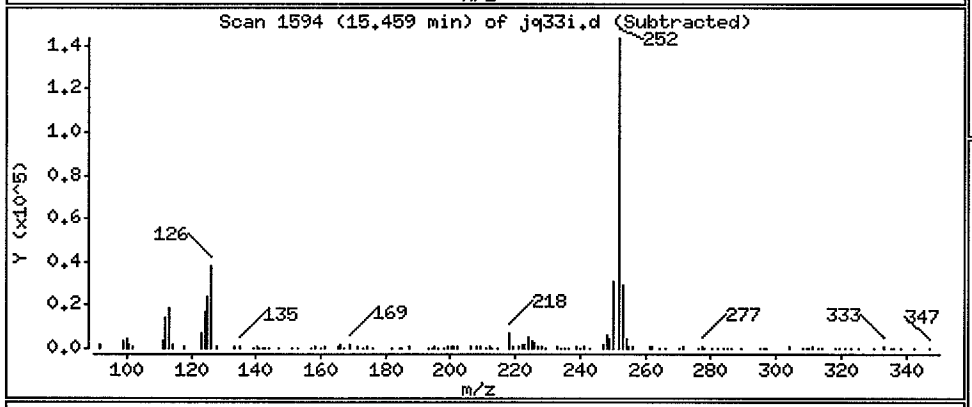
Column phase: ZB-5

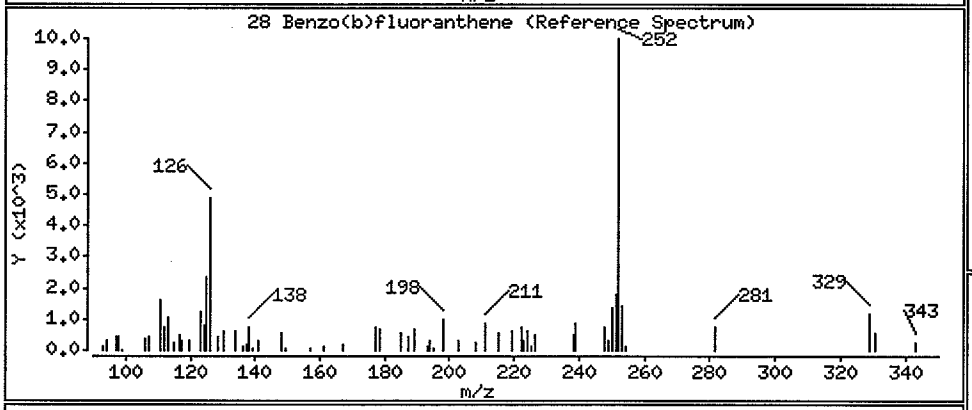
Column diameter: 0.25

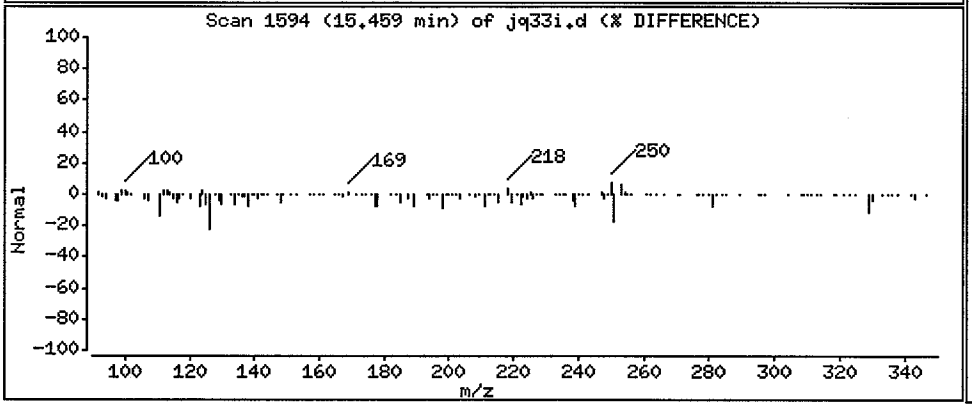
28 Benzo(b)fluoranthene

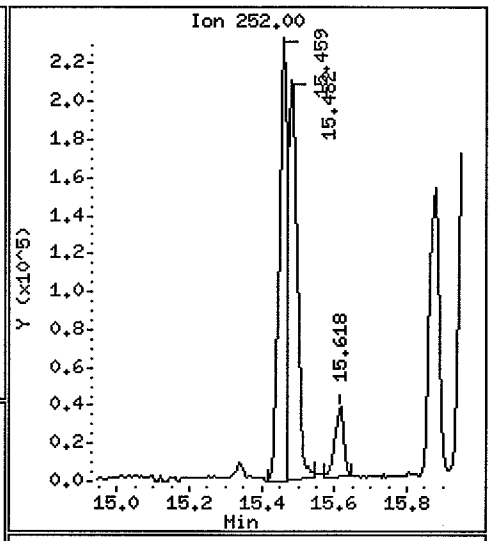
Concentration: 137.8 ug/kg

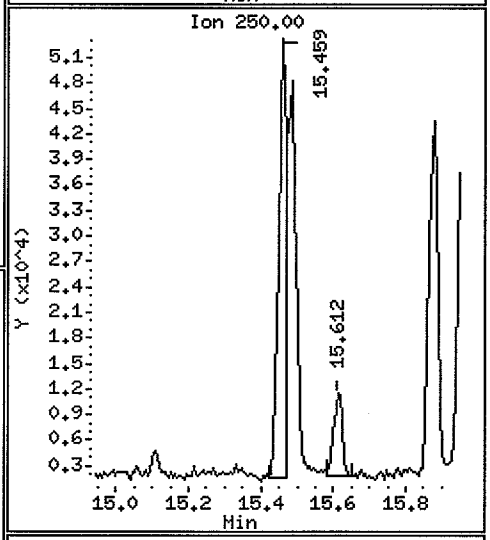


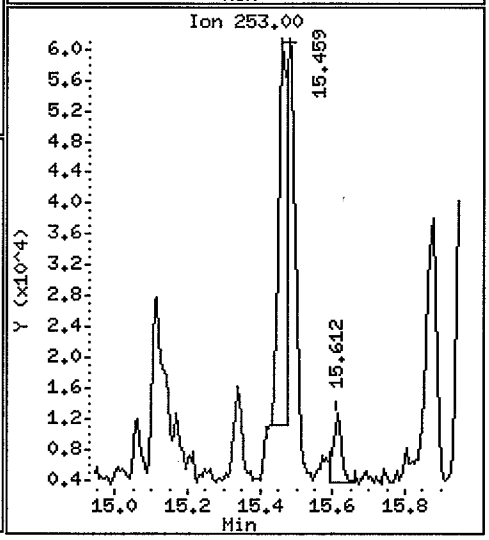












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

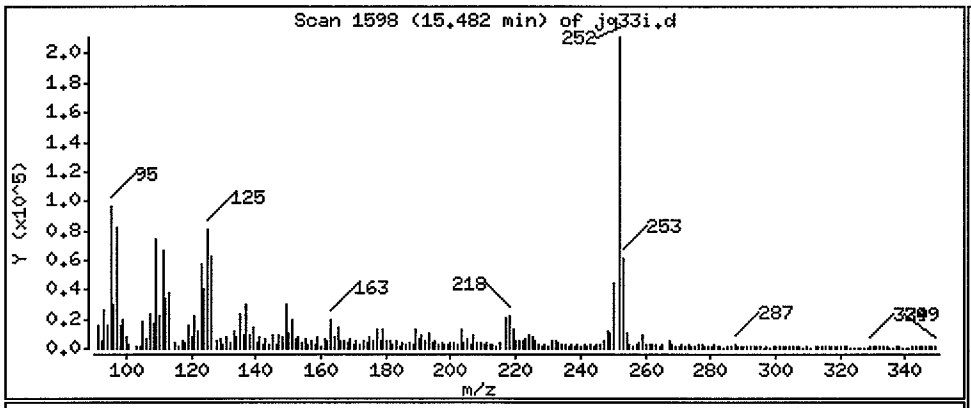
Operator: VTS

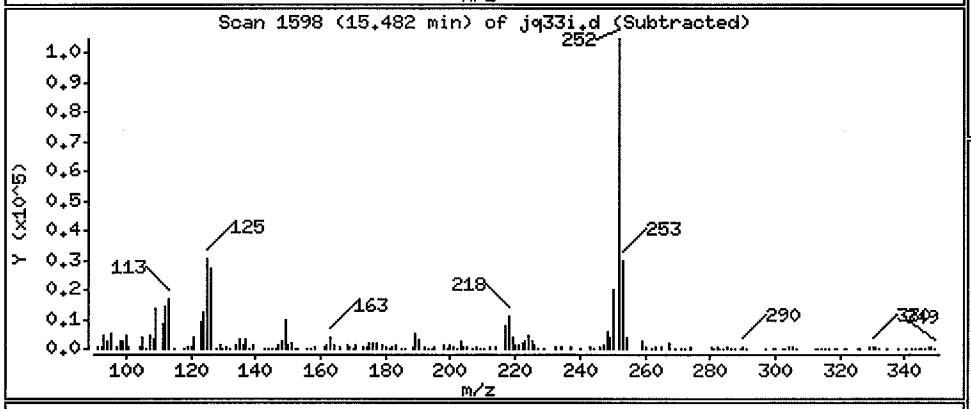
Column phase: ZB-5

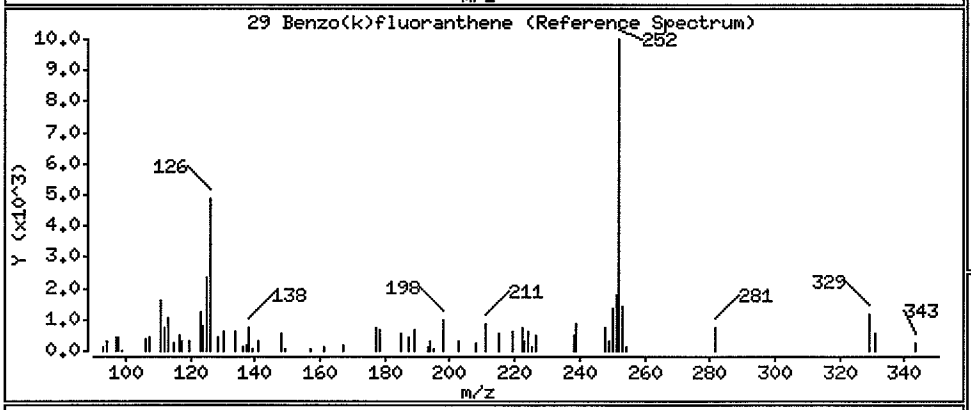
Column diameter: 0.25

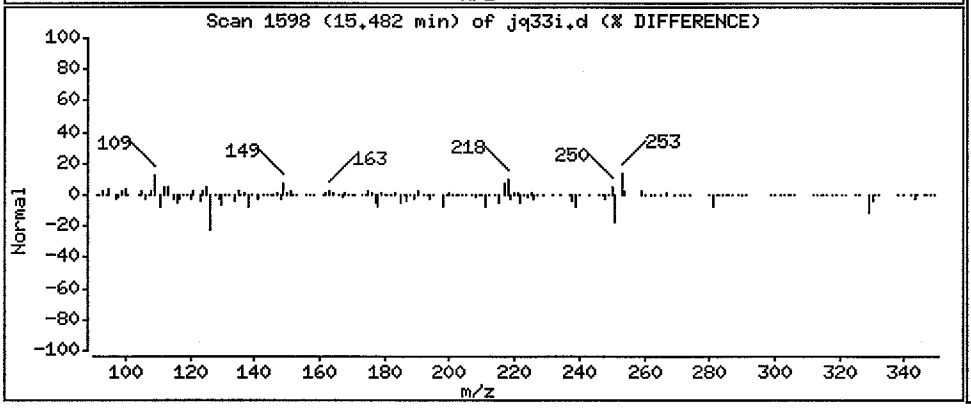
29 Benzo(k)fluoranthene

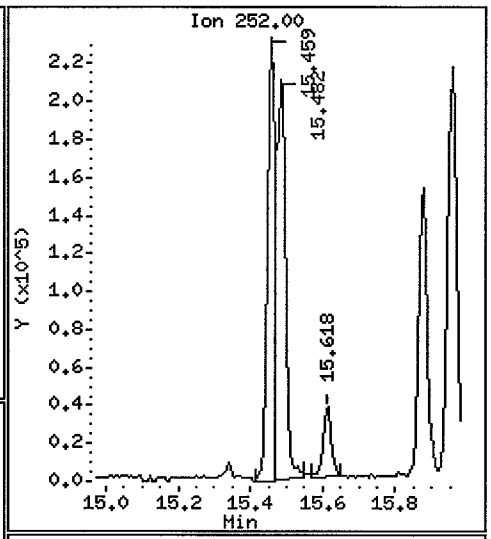
Concentration: 136.8 ug/kg

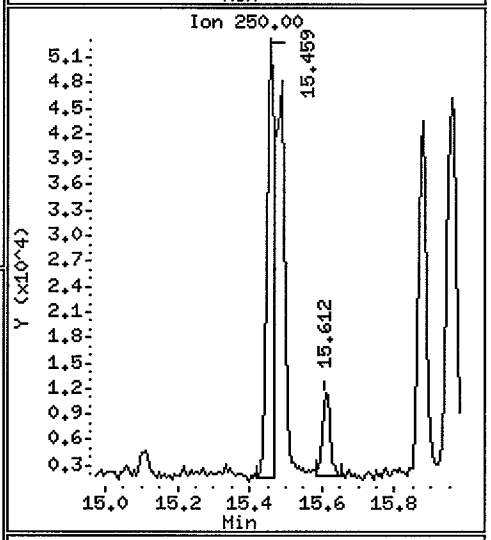


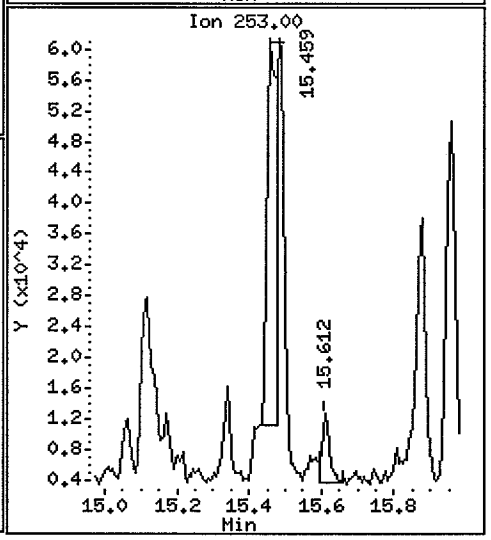












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

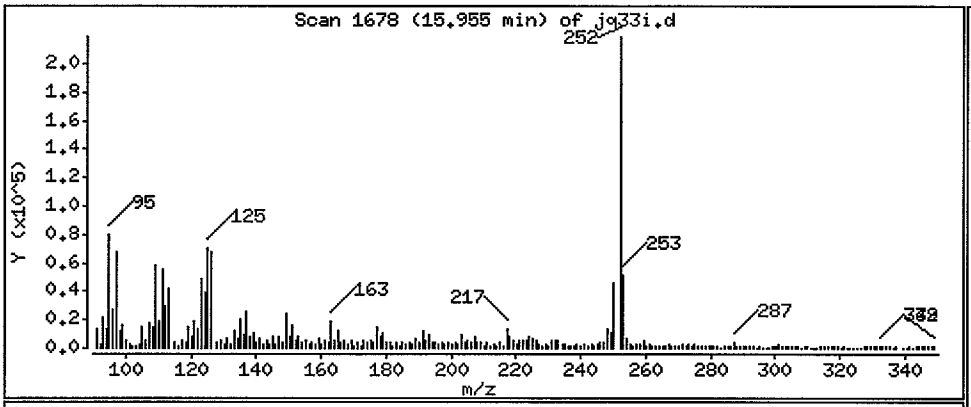
Operator: VTS

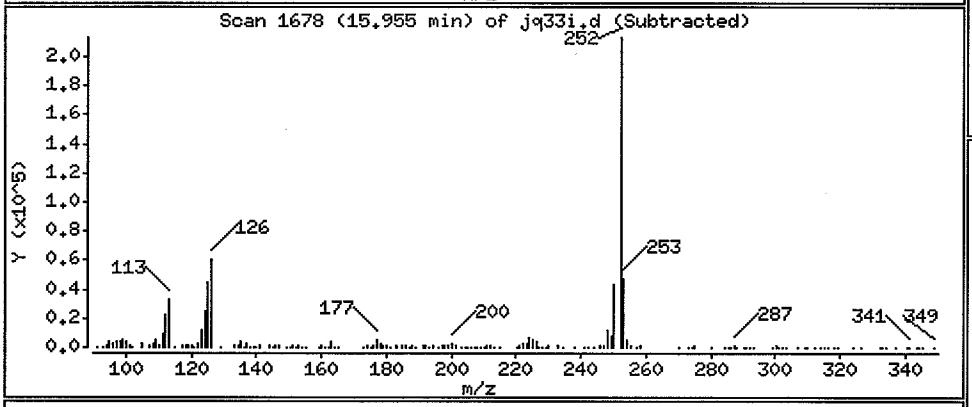
Column phase: ZB-5

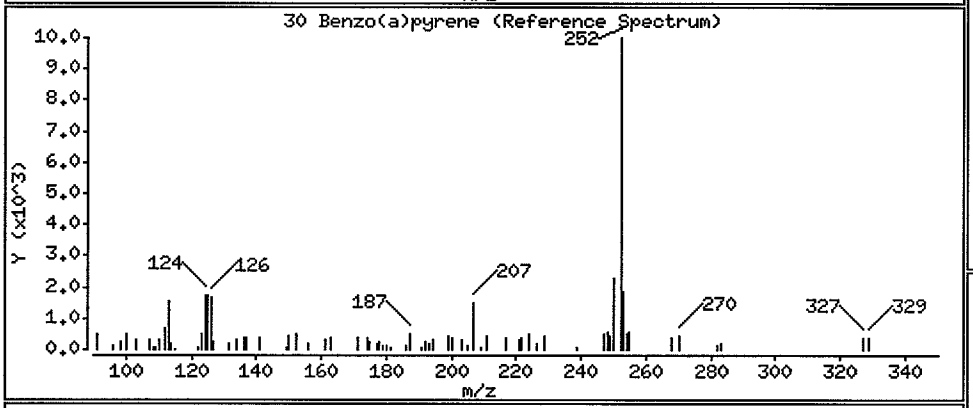
Column diameter: 0.25

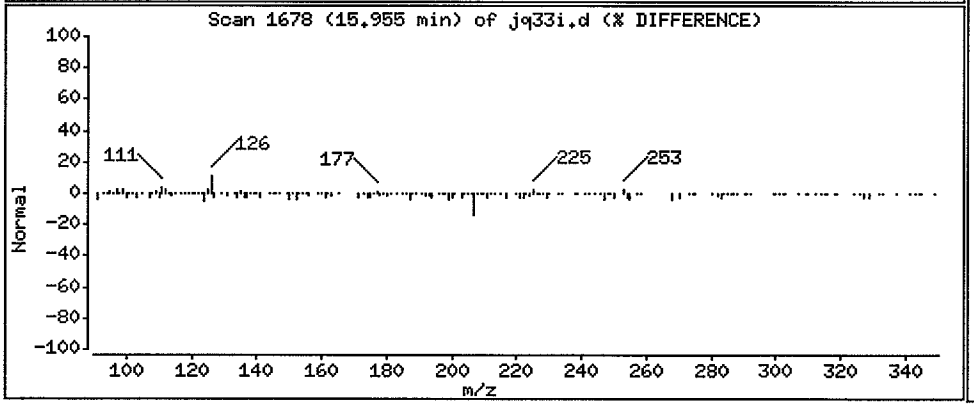
30 Benzo(a)pyrene

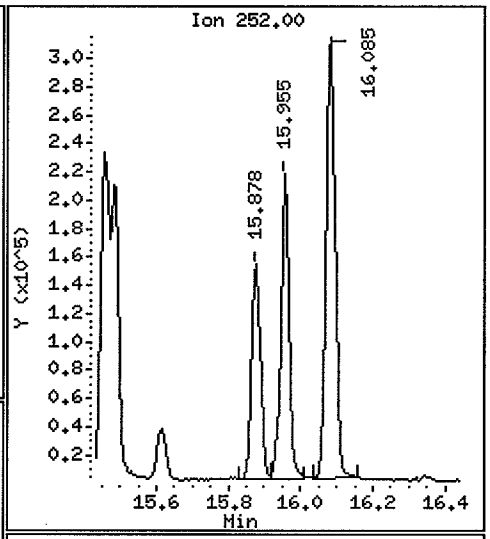
Concentration: 137.7 ug/kg

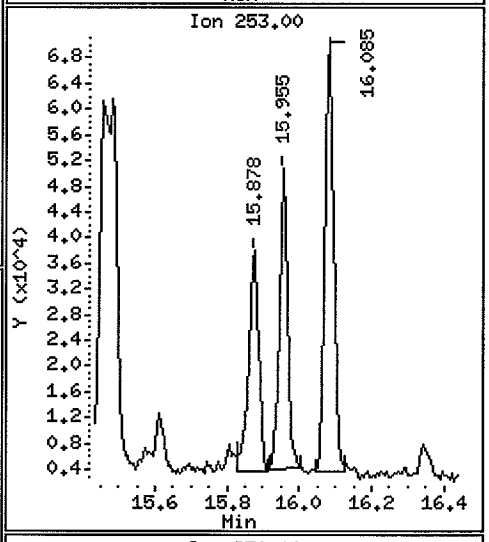


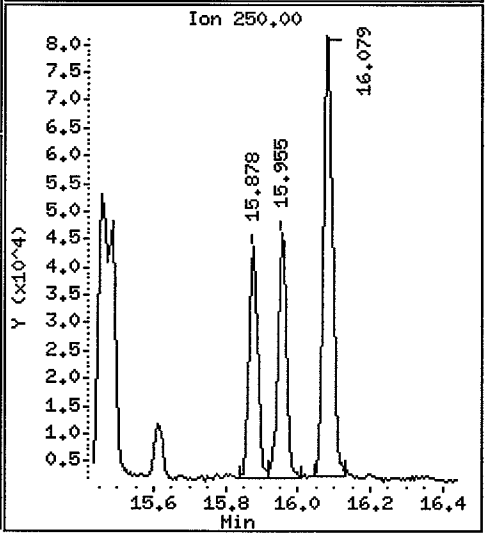












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

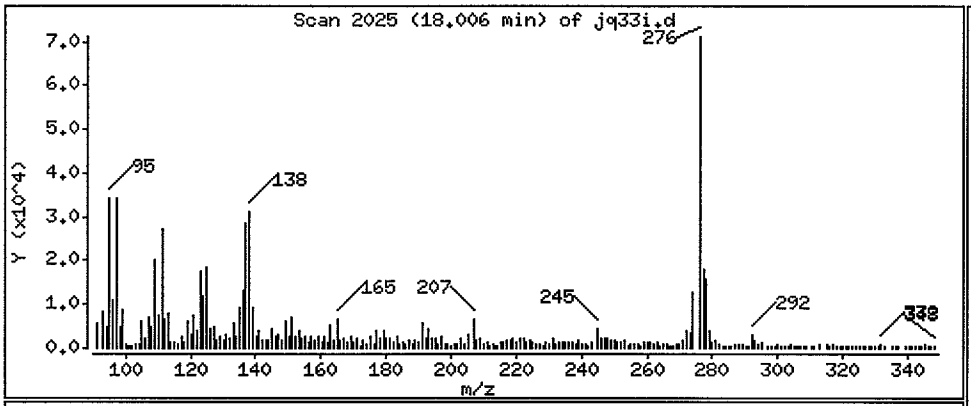
Operator: VTS

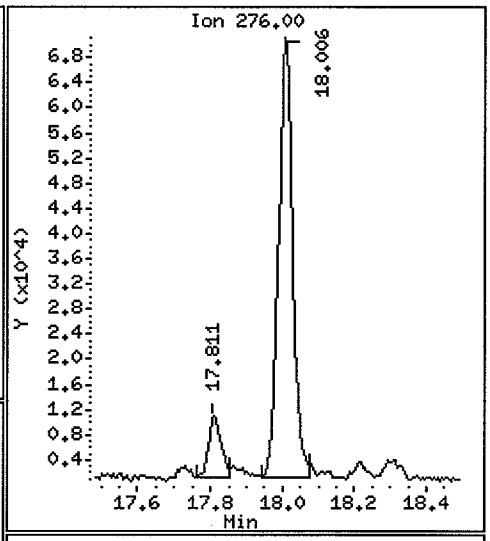
Column phase: ZB-5

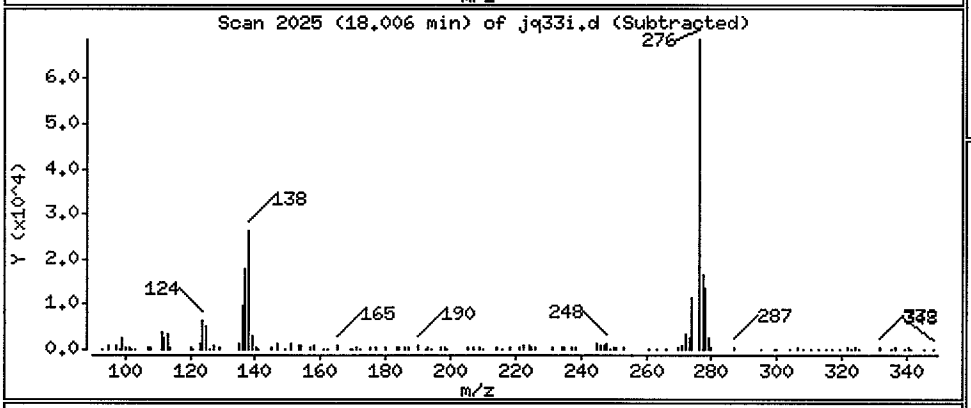
Column diameter: 0.25

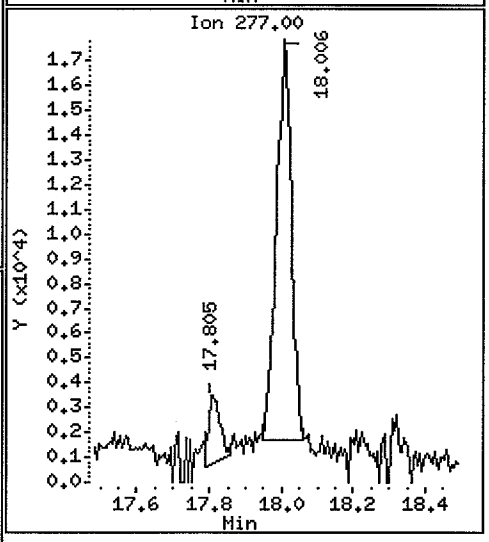
33 Indeno(1,2,3-cd)pyrene

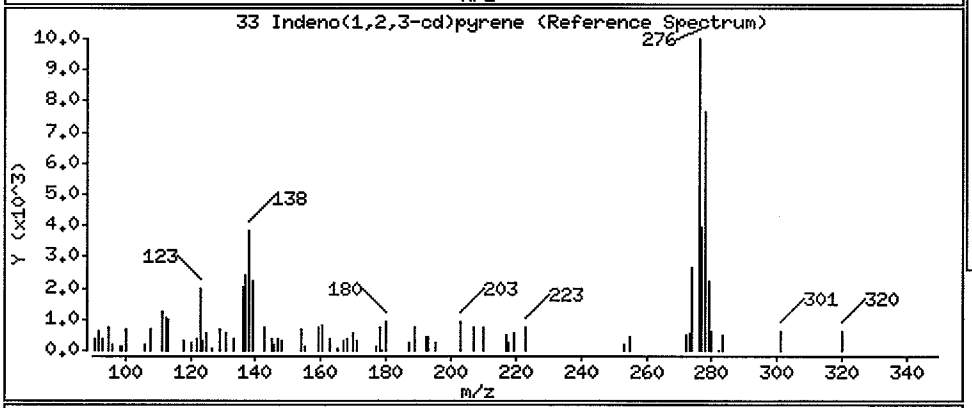
Concentration: 64.77 ug/kg

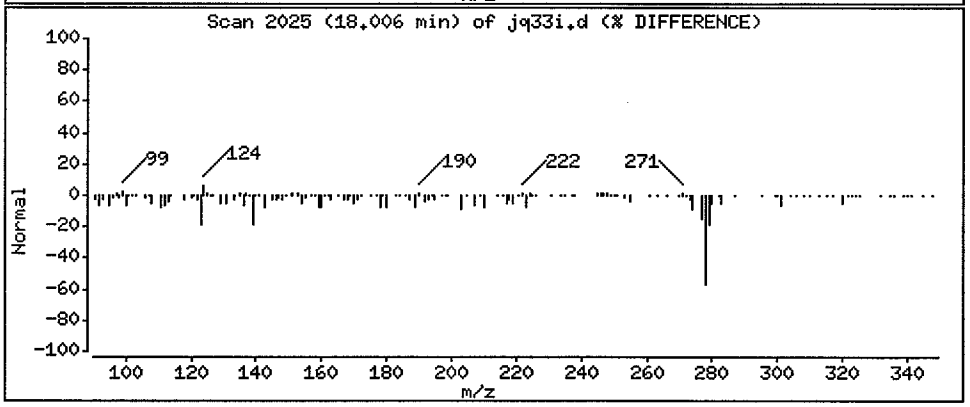












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

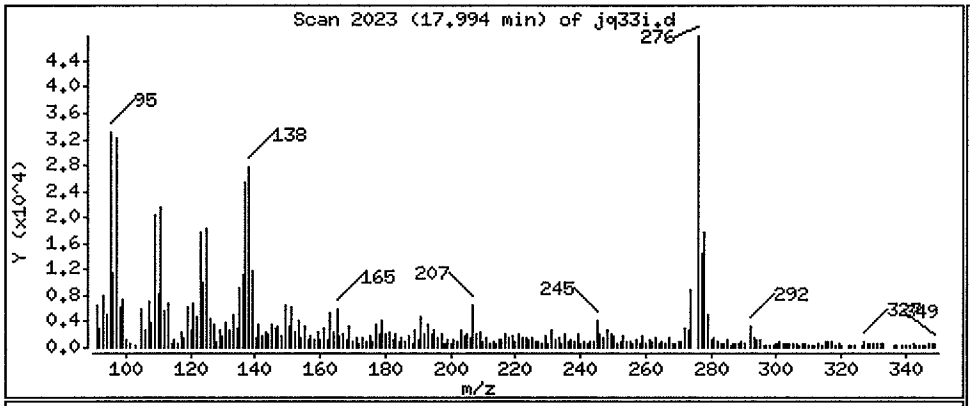
Operator: VTS

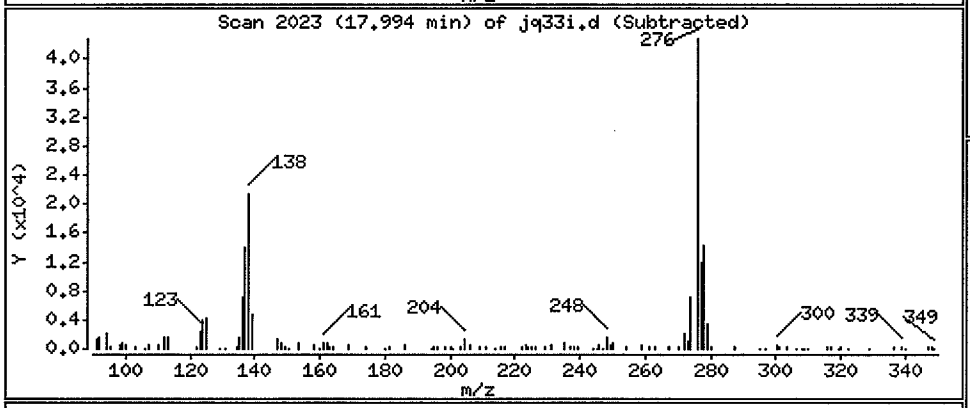
Column phase: ZB-5

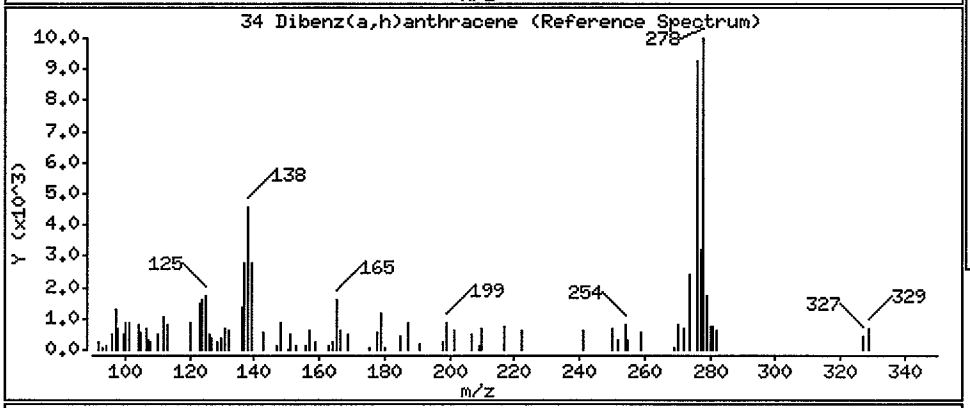
Column diameter: 0.25

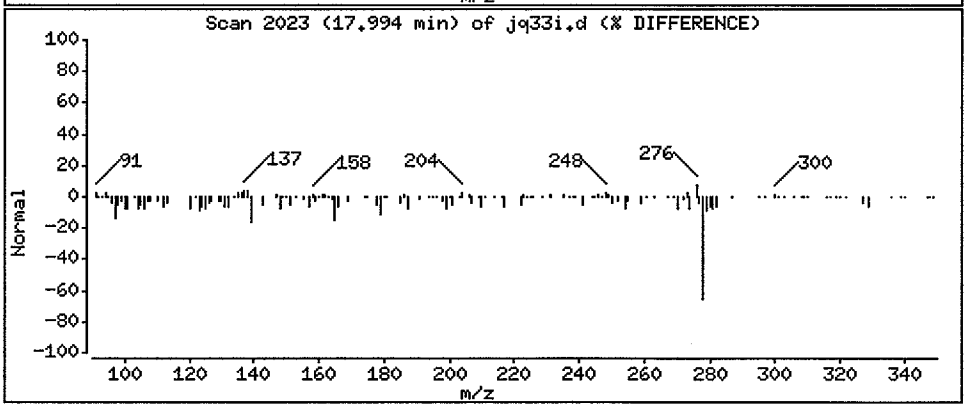
34 Dibenz(a,h)anthracene

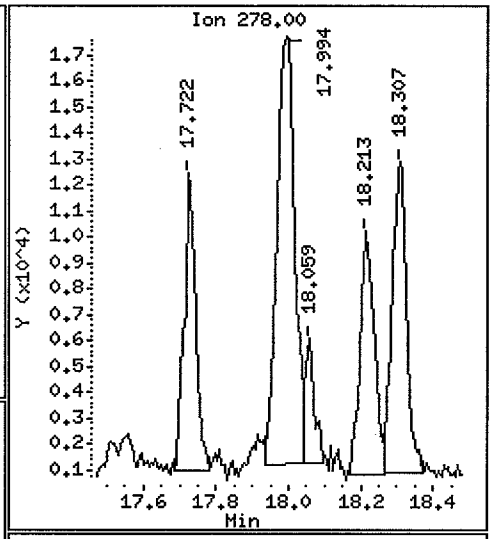
Concentration: 23.14 ug/kg

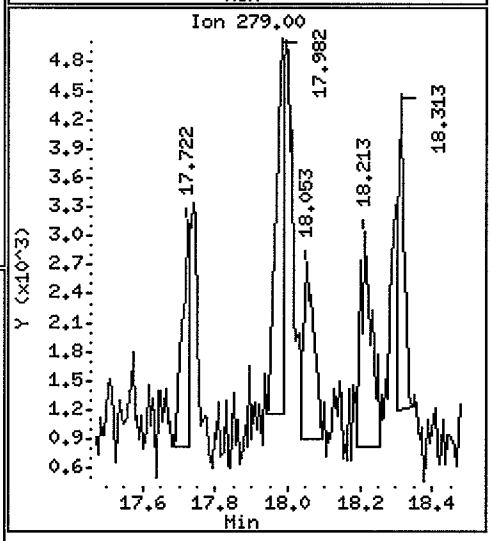












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

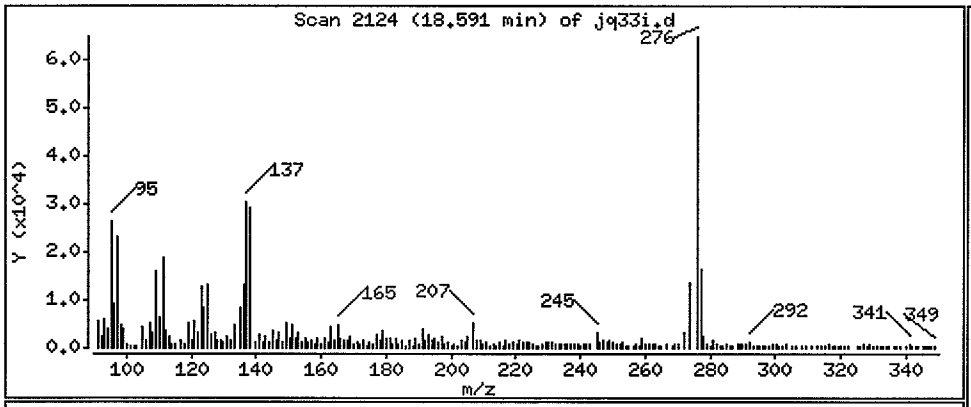
Operator: VTS

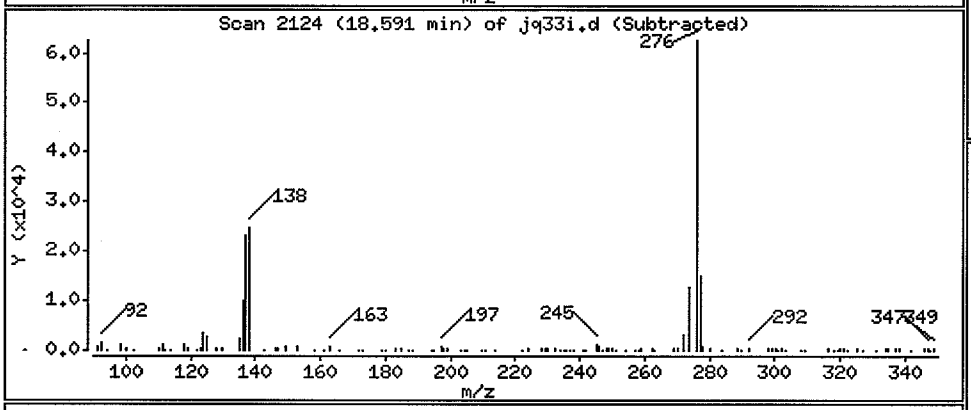
Column phase: ZB-5

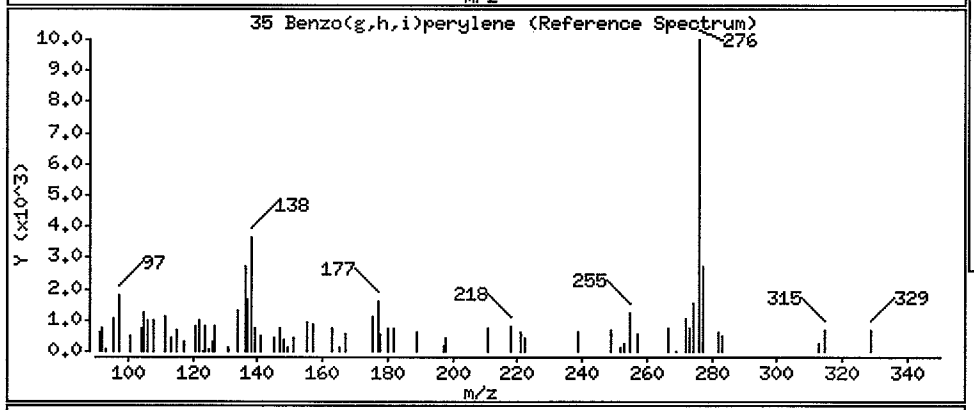
Column diameter: 0.25

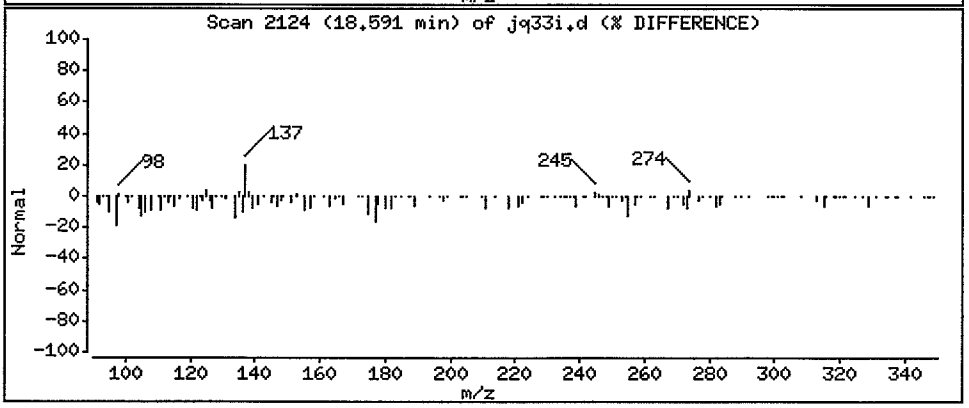
35 Benzo(g,h,i)perylene

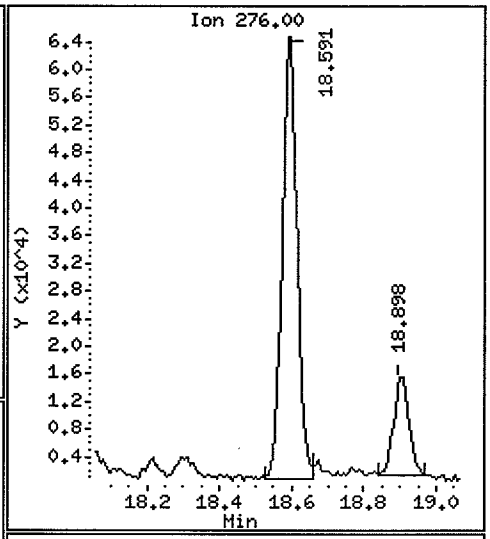
Concentration: 73.85 ug/kg

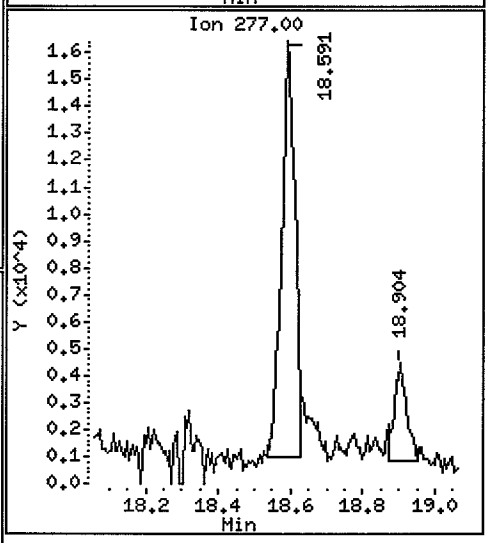












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

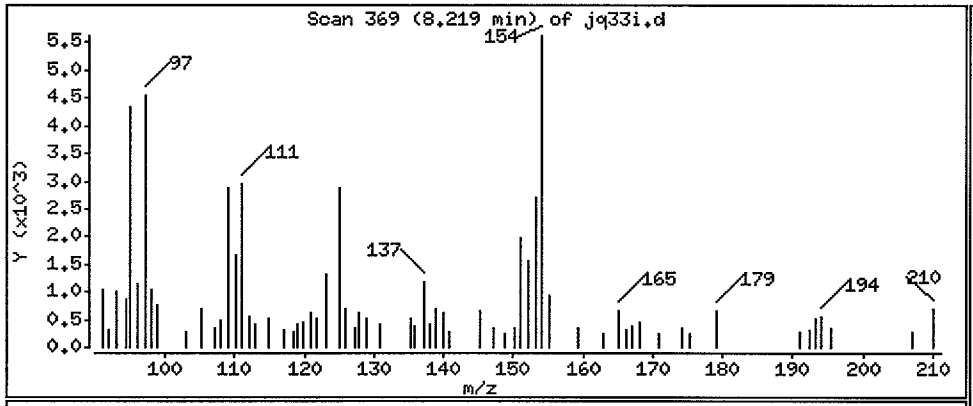
Operator: VTS

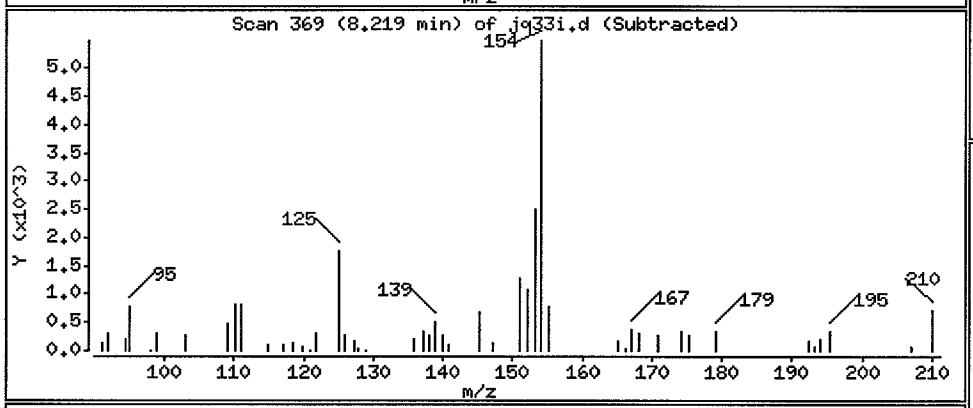
Column phase: ZB-5

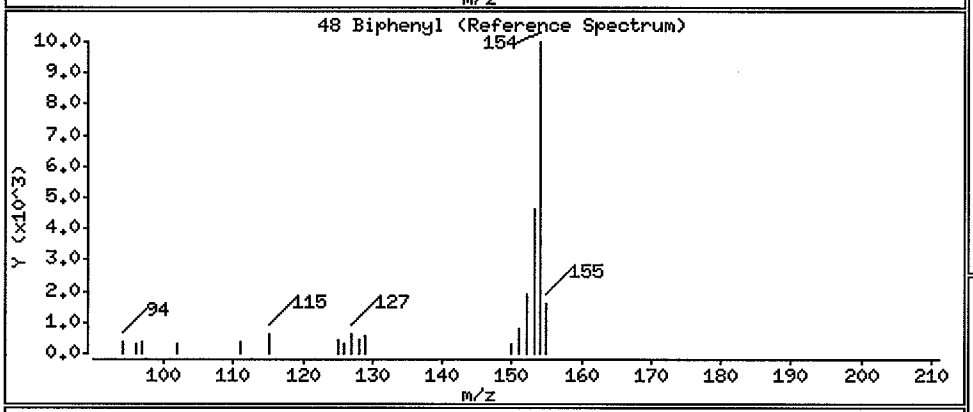
Column diameter: 0.25

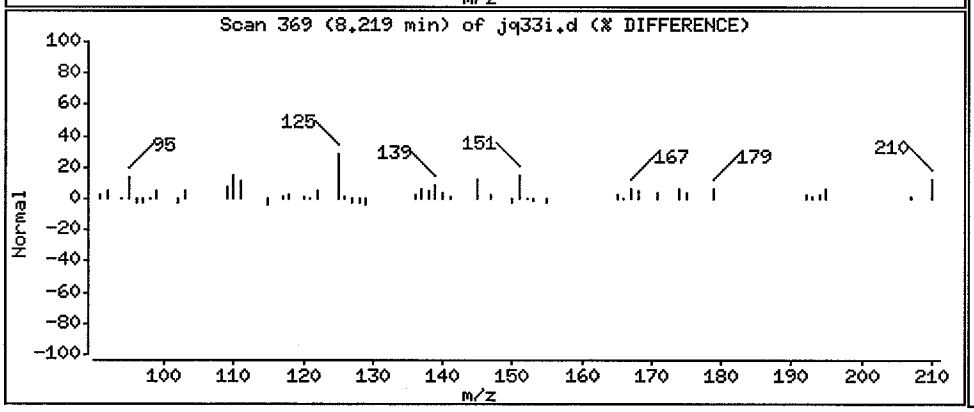
48 Biphenyl

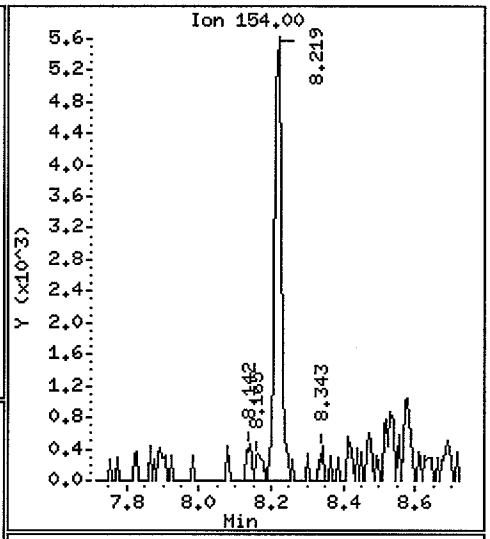
Concentration: 3.762 ug/kg

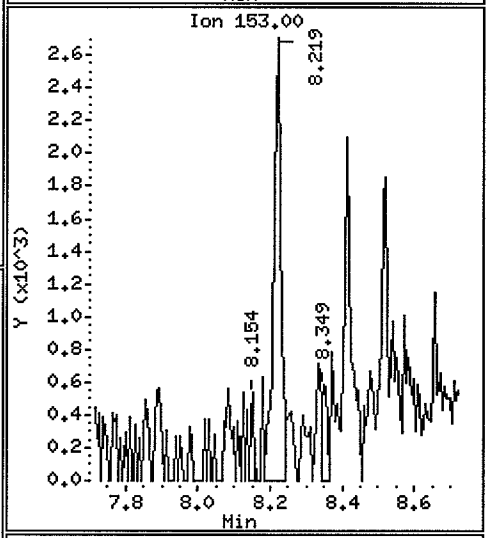


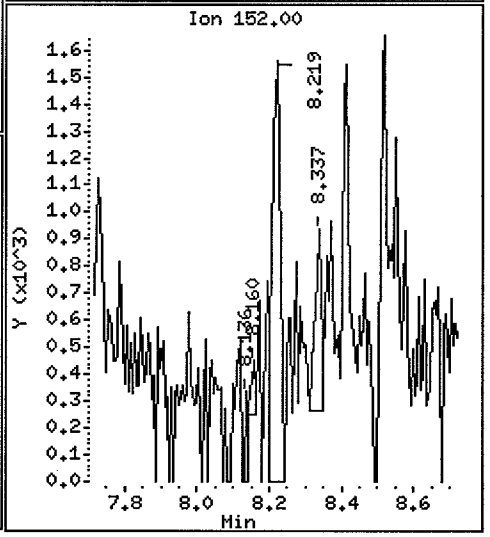












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

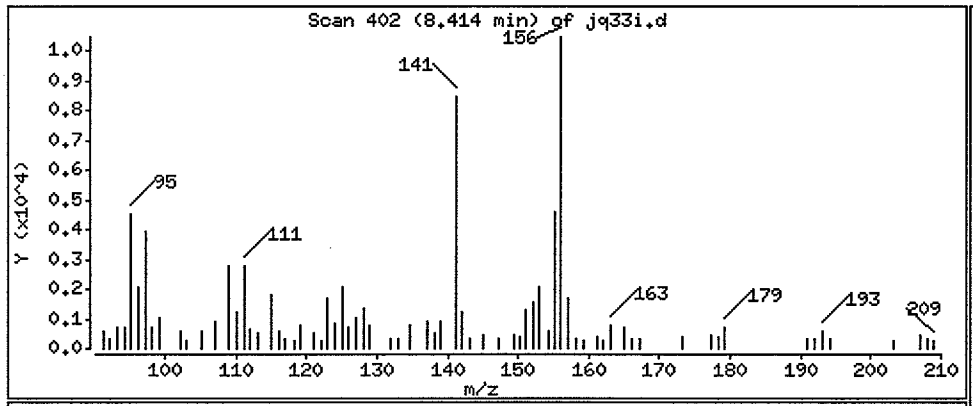
Operator: VTS

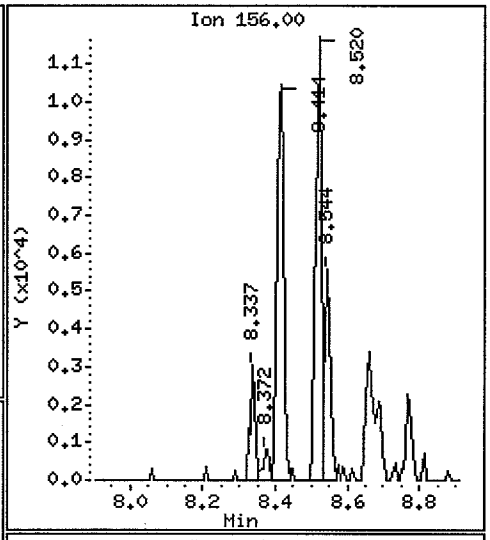
Column phase: ZB-5

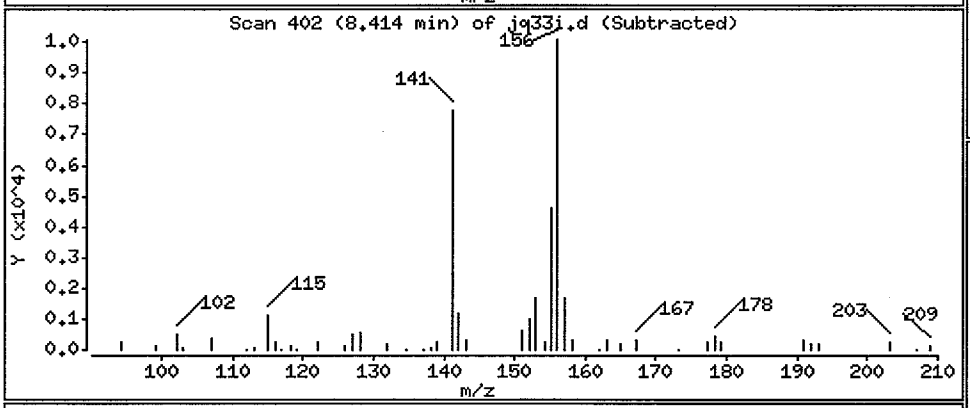
Column diameter: 0.25

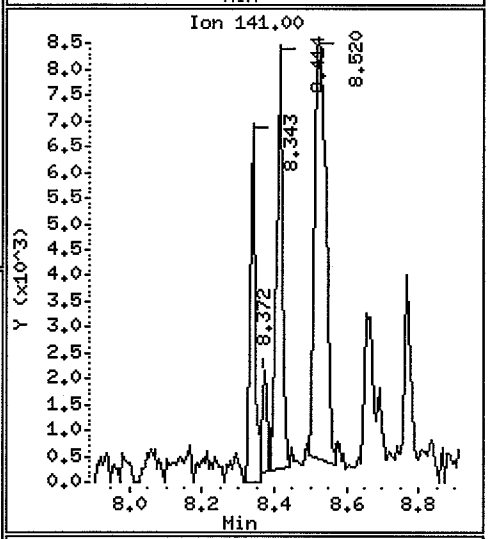
49 2,6-Dimethylnaphthalene

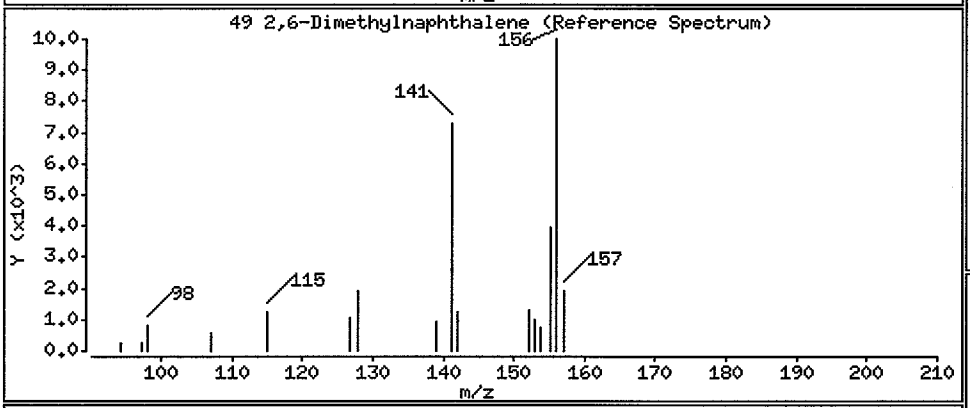
Concentration: 9.208 ug/kg

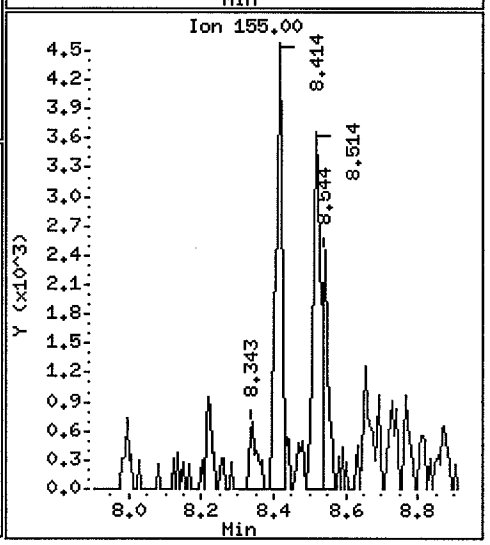


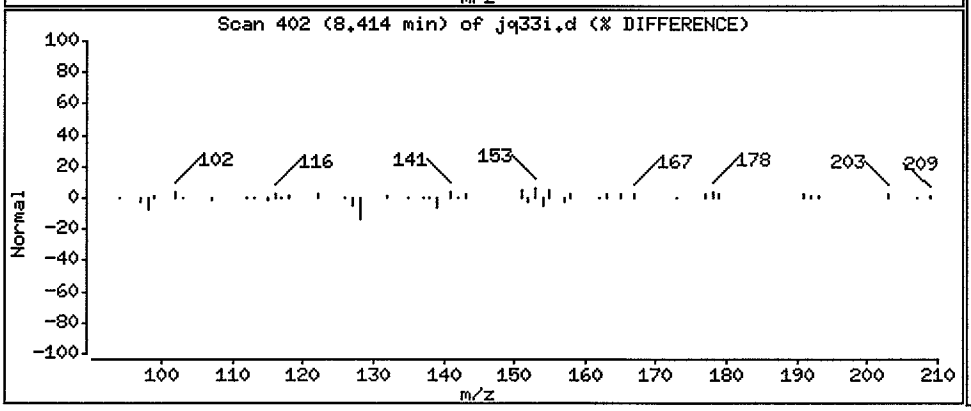












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

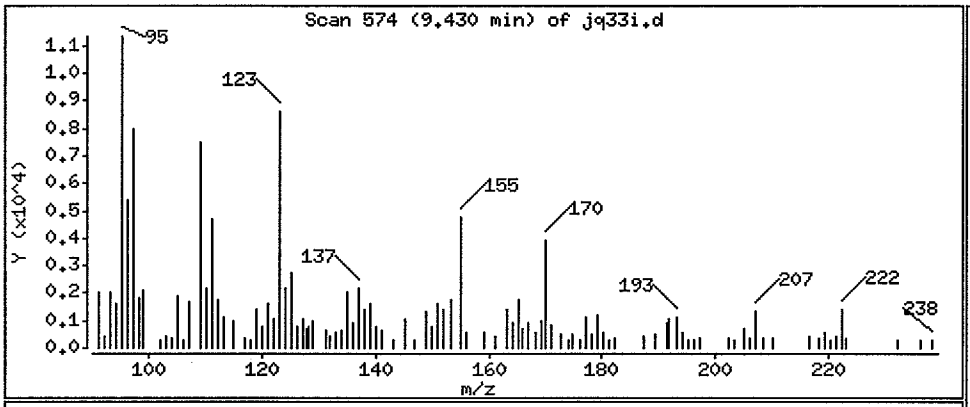
Operator: VTS

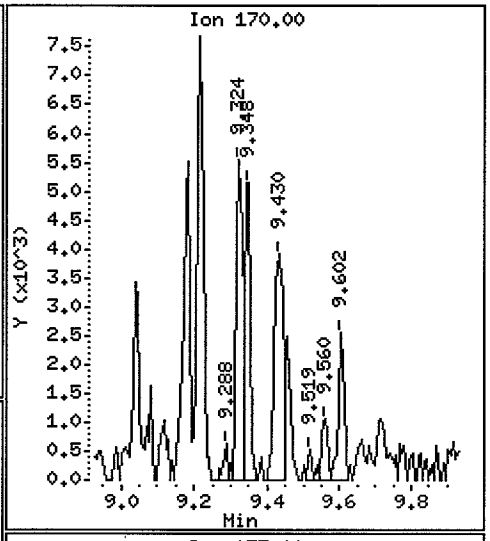
Column phase: ZB-5

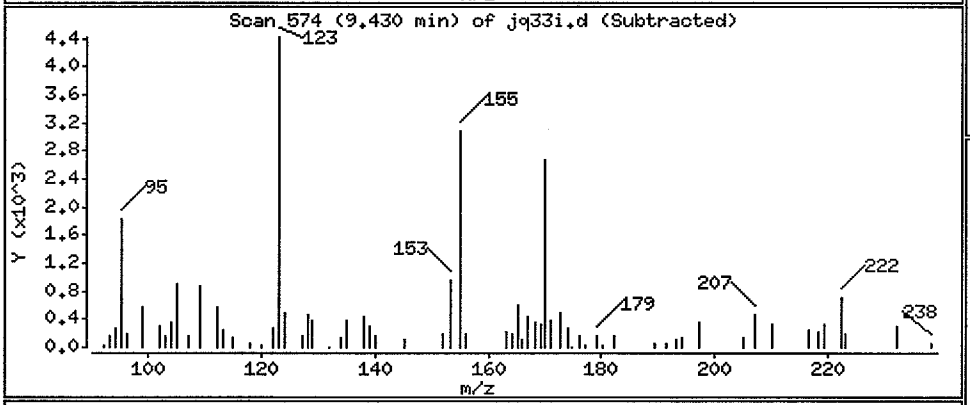
Column diameter: 0.25

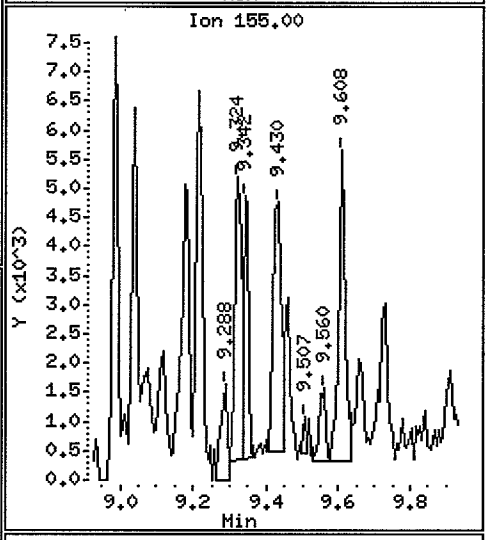
50 2,3,5-Trimethylnaphthalene

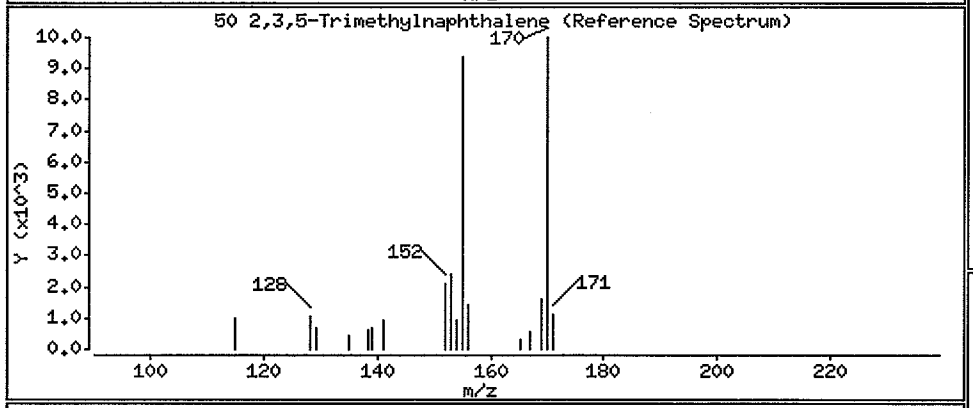
Concentration: 5.659 ug/kg

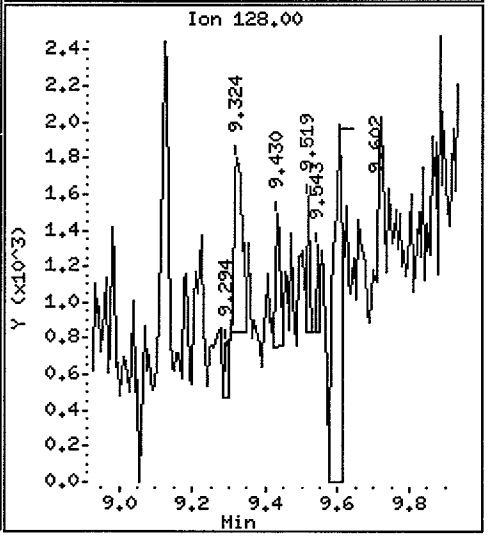


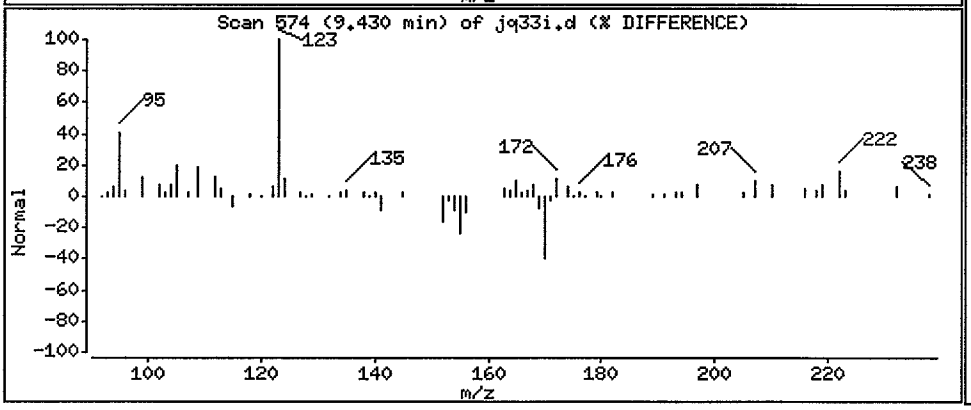












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

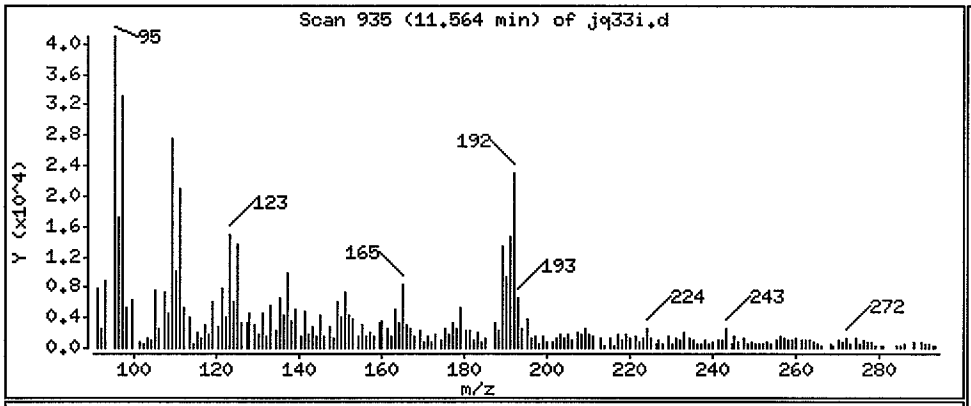
Operator: VTS

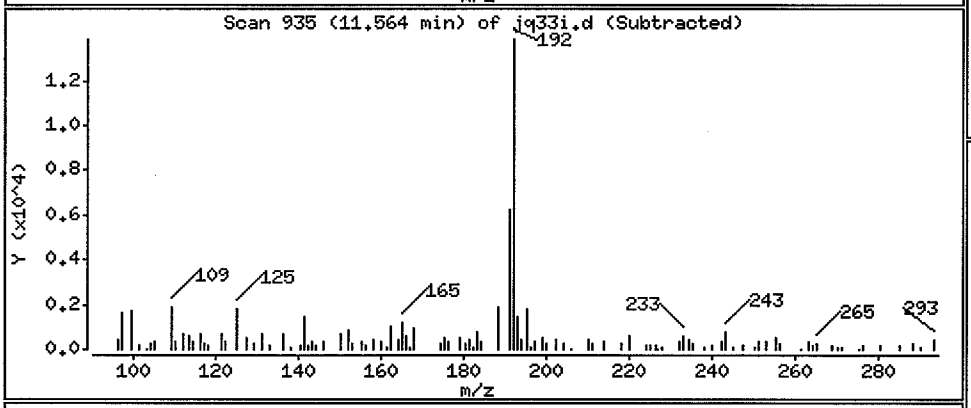
Column phase: ZB-5

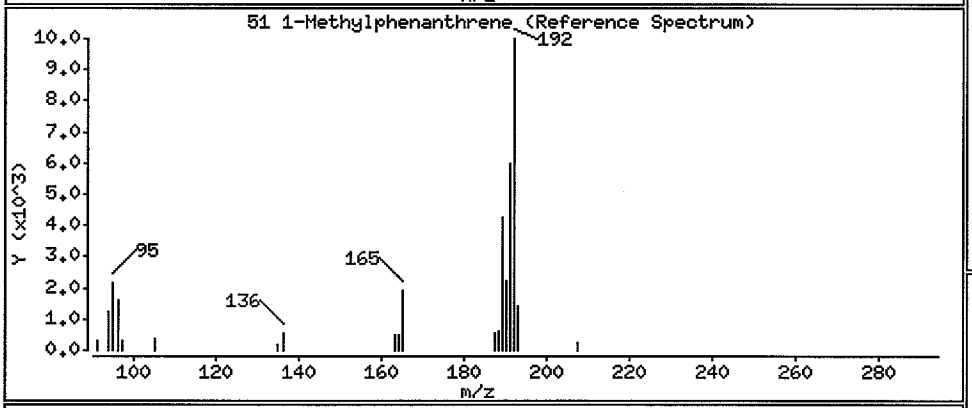
Column diameter: 0.25

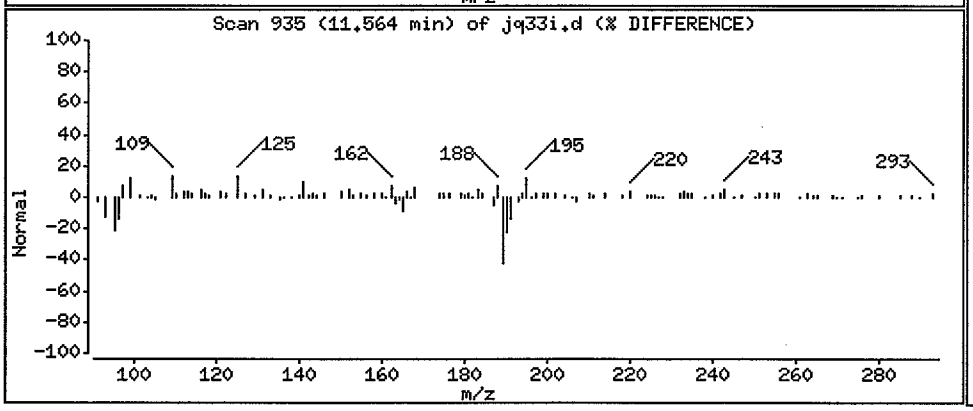
51 1-Methylphenanthrene

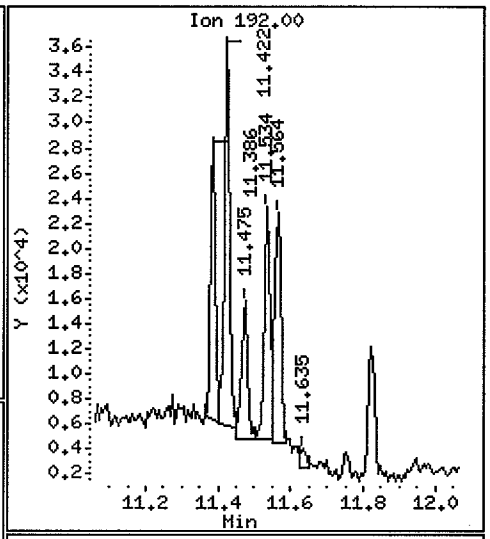
Concentration: 10.67 ug/kg

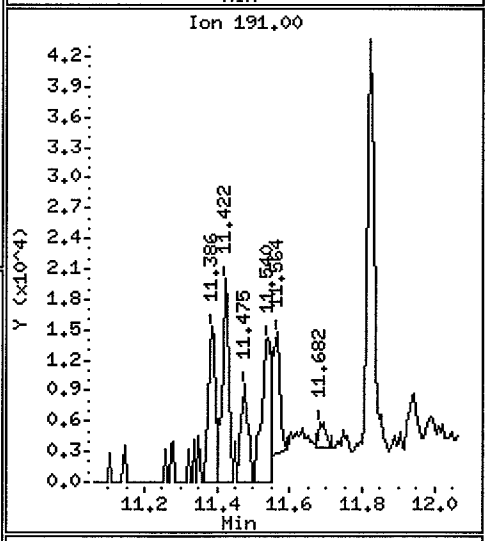


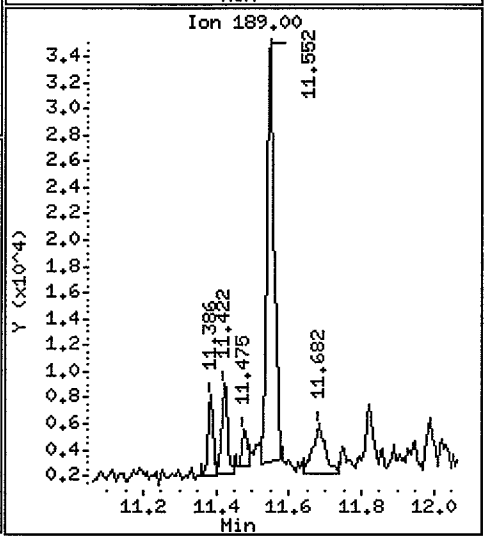












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

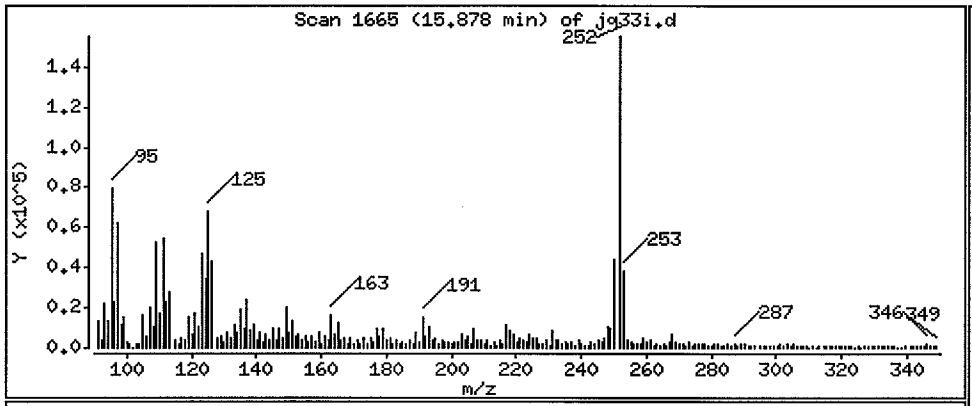
Operator: VTS

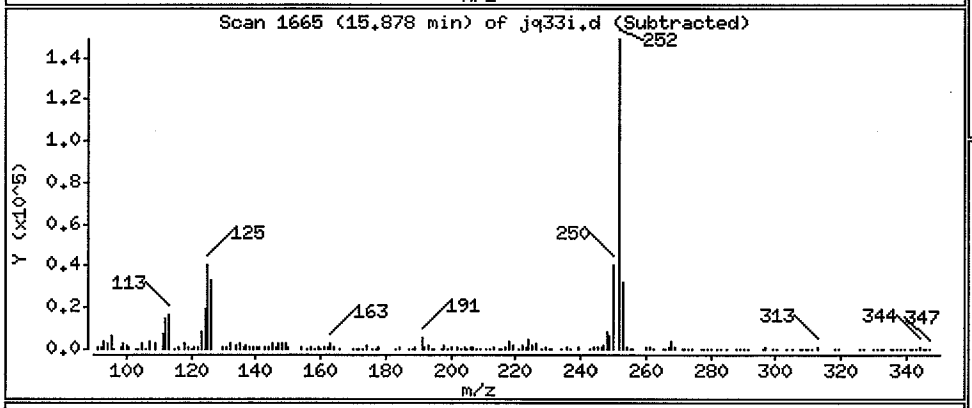
Column phase: ZB-5

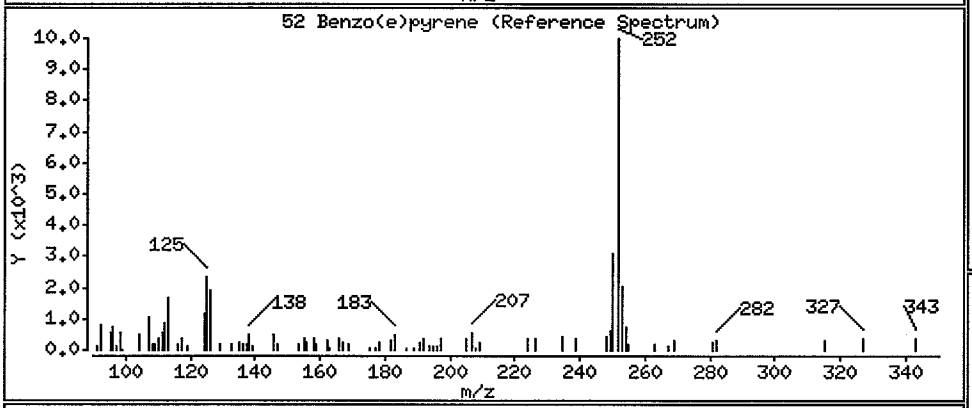
Column diameter: 0.25

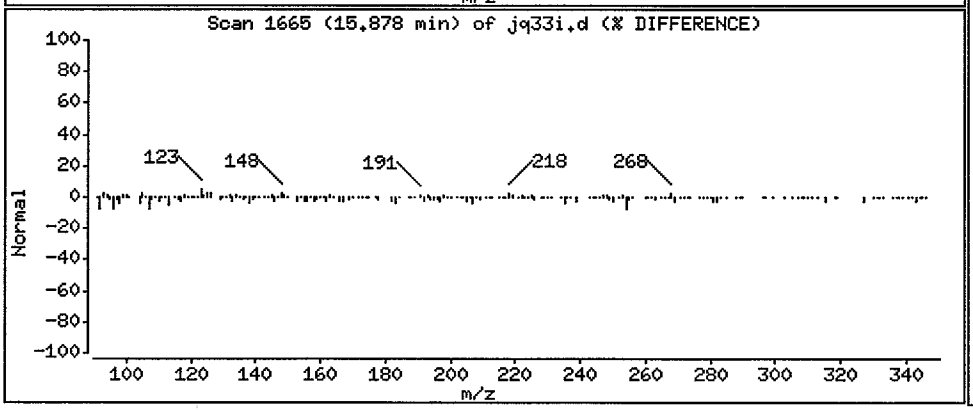
52 Benzo(e)pyrene

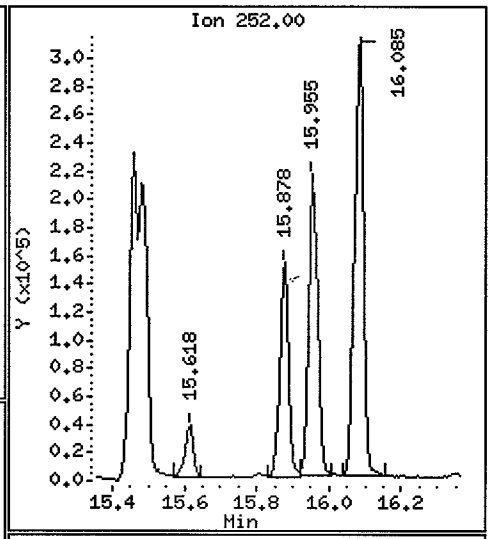
Concentration: 92.88 ug/kg

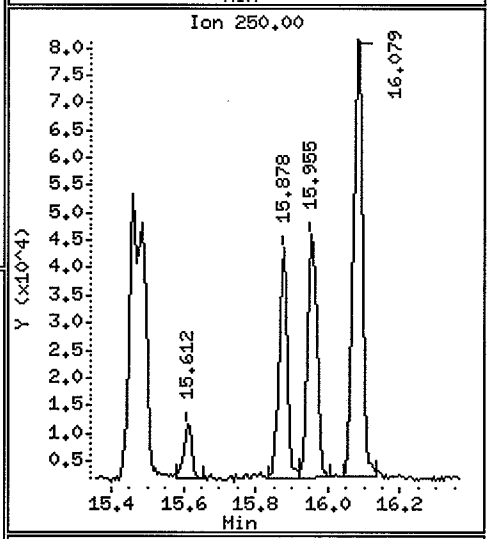


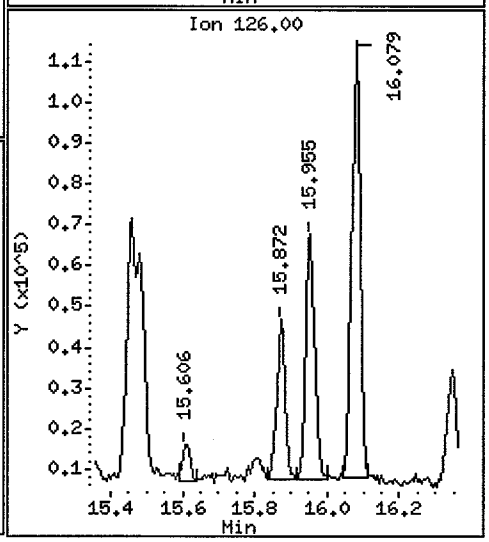












Data File: /chem3/nt1.i/20060804.b/jq33i.d

Date : 04-AUG-2006 18:40

Client ID: T4-B414-03-C

Instrument: nt1.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

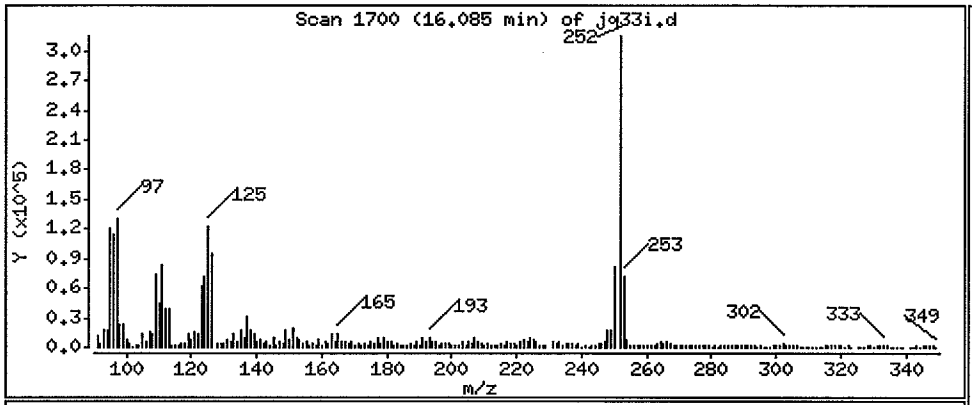
Operator: VTS

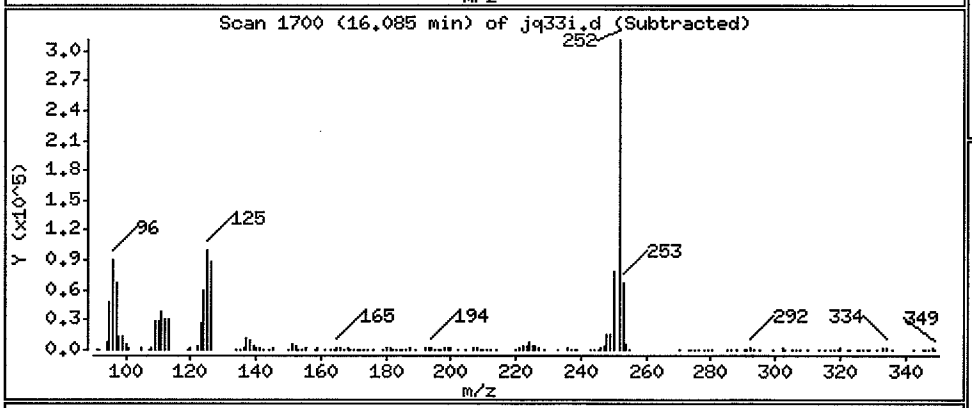
Column phase: ZB-5

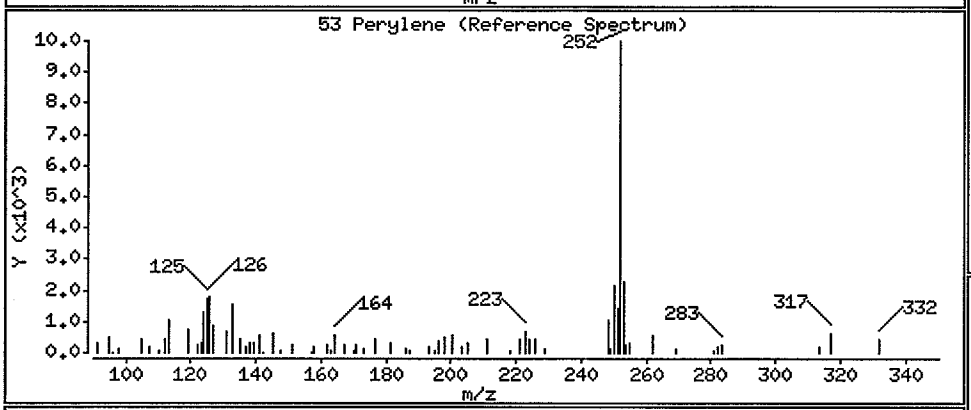
Column diameter: 0.25

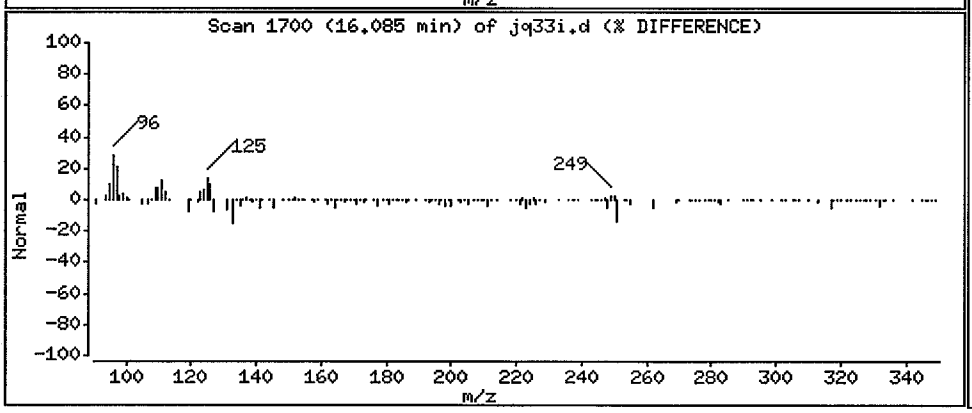
53 Perylene

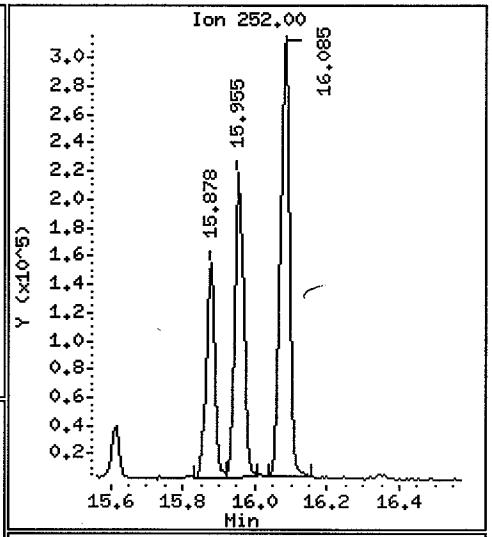
Concentration: 201.8 ug/kg

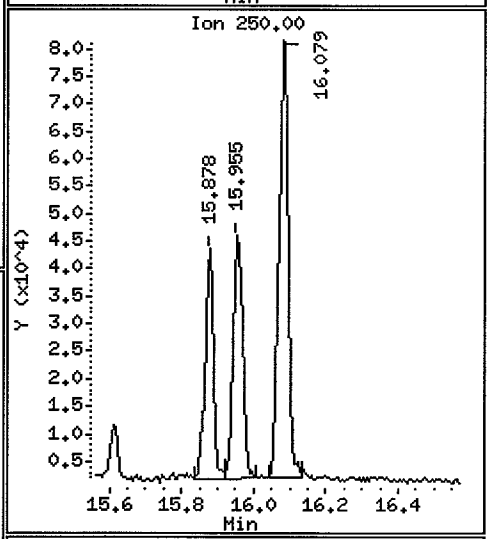


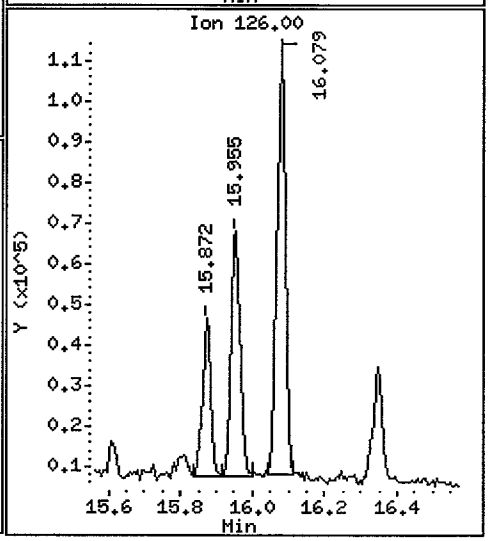












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-04-A
SAMPLE

Lab Sample ID: JQ33J
LIMS ID: 06-12932
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 19:05
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.0 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 52.3%
pH: 7.2

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	5.0	28	
91-57-6	2-Methylnaphthalene	5.0	14	
90-12-0	1-Methylnaphthalene	5.0	8.0	
208-96-8	Acenaphthylene	5.0	12	
83-32-9	Acenaphthene	5.0	32	
86-73-7	Fluorene	5.0	27	
85-01-8	Phenanthrene	5.0	160	B
120-12-7	Anthracene	5.0	40	
206-44-0	Fluoranthene	5.0	350	
129-00-0	Pyrene	5.0	320	
56-55-3	Benzo(a)anthracene	5.0	170	
218-01-9	Chrysene	5.0	230	
205-99-2	Benzo(b)fluoranthene	5.0	220	
207-08-9	Benzo(k)fluoranthene	5.0	170	
50-32-8	Benzo(a)pyrene	5.0	190	
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	80	
53-70-3	Dibenz(a,h)anthracene	5.0	28	
191-24-2	Benzo(g,h,i)perylene	5.0	86	
198-55-0	Perylene	5.0	220	
92-52-4	Biphenyl	5.0	5.0	
581-42-0	2,6-Dimethylnaphthalene	5.0	12	
832-69-9	1-Methylphenanthrene	5.0	< 5.0	U
192-97-2	Benzo(e)pyrene	5.0	130	
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	7.0	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	74.7%
d14-Dibenzo(a,h)anthracen	51.7%

YZ 8/7/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33j.d
Lab Smp Id: JQ33J Client Smp ID: T4-B414-04-A
Inj Date : 04-AUG-2006 19:05
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33J
Misc Info : 06-12932
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	21.00000	Weight of sample extracted (g)
M	52.30000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.884	6.883	(1.000)	260269	2.00000	
	2 Naphthalene	128	6.908	6.907	(1.003)	73514	0.56627	28.27
$	3 2-Methylnaphthalene-d10	152	7.641	7.640	(1.110)	149905	2.23615 —	111.6
	4 2-Methylnaphthalene	142	7.682	7.681	(1.116)	22133	0.28789	14.37
	5 1-Methylnaphthalene	142	7.812	7.811	(1.135)	12675	0.15717	7.845
	7 Acenaphthylene	152	8.769	8.769	(0.980)	26984	0.22846	11.40
*	8 Acenaphthene-d10	164	8.947	8.946	(1.000)	142460	2.00000	
	9 Acenaphthene	153	8.988	8.987	(1.005)	45307	0.64770	32.33
	10 Dibenzofuran	168	9.177	9.170	(1.026)	28063	0.27236	13.60
	11 Fluorene	166	9.597	9.596	(1.073)	43672	0.54446	27.18
*	15 Phenanthrene-d10	188	10.761	10.760	(1.000)	229532	2.00000	
	16 Phenanthrene	178	10.791	10.790	(1.003)	385059	3.26833 B	163.1
	17 Anthracene	178	10.850	10.843	(1.008)	93045	0.79028	39.45
	19 Fluoranthene	202	12.292	12.279	(1.142)	836324	6.95960	347.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	20 Pyrene	202	12.576	12.569	(0.893)	922213	6.45808	322.4
	22 Benzo(a)anthracene	228	14.059	14.052	(0.998)	444896	3.32218	165.8
*	23 Chrysene-d12	240	14.083	14.070	(1.000)	222385	2.00000	
	24 Chrysene	228	14.112	14.105	(1.002)	575099	4.65595	232.4
	28 Benzo(b)fluoranthene	252	15.460	15.447	(0.964)	502892	4.37331	218.3
	29 Benzo(k)fluoranthene	252	15.489	15.476	(0.965)	414917	3.38455	168.9
	30 Benzo(a)pyrene	252	15.956	15.938	(0.994)	433093	3.86526	192.9
*	31 Perylene-d12	264	16.045	16.026	(1.000)	203749	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	18.013	17.988	(1.123)	205242	1.59282	79.51
$	32 Dibenz(a,h)anthrancene-d14	292	17.942	17.906	(1.118)	121098	1.55305	77.52
	34 Dibenz(a,h)anthracene	278	18.007	17.976	(1.122)	57753	0.54864	27.39
	35 Benzo(g,h,i)perylene	276	18.604	18.562	(1.159)	184426	1.72182	85.94
	48 Biphenyl	154	8.220	8.219	(0.919)	8706	0.09891 J	4.937
	49 2,6-Dimethylnaphthalene	156	8.415	8.408	(0.941)	16984	0.24499	12.23
	50 2,3,5-Trimethylnaphthalene	170	9.431	9.430	(1.054)	7783	0.13707	6.842
	51 1-Methylphenanthrene	192	Compound Not Detected.					
	52 Benzo(e)pyrene	252	15.879	15.861	(0.990)	321567	2.59270	129.4
	53 Perylene	252	16.086	16.068	(1.003)	522579	4.48746	224.0

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33j.d
Lab Smp Id: JQ33J
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12932

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: T4-B414-04-A
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	260269	16.81
8 Acenaphthene-d10	123591	61796	247182	142460	15.27
15 Phenanthrene-d10	200797	100398	401594	229532	14.31
23 Chrysene-d12	171210	85605	342420	222385	29.89
31 Perylene-d12	183426	91713	366852	203749	11.08

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.01
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	0.00
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	0.00
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.04
31 Perylene-d12	16.03	15.53	16.53	16.04	0.11

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

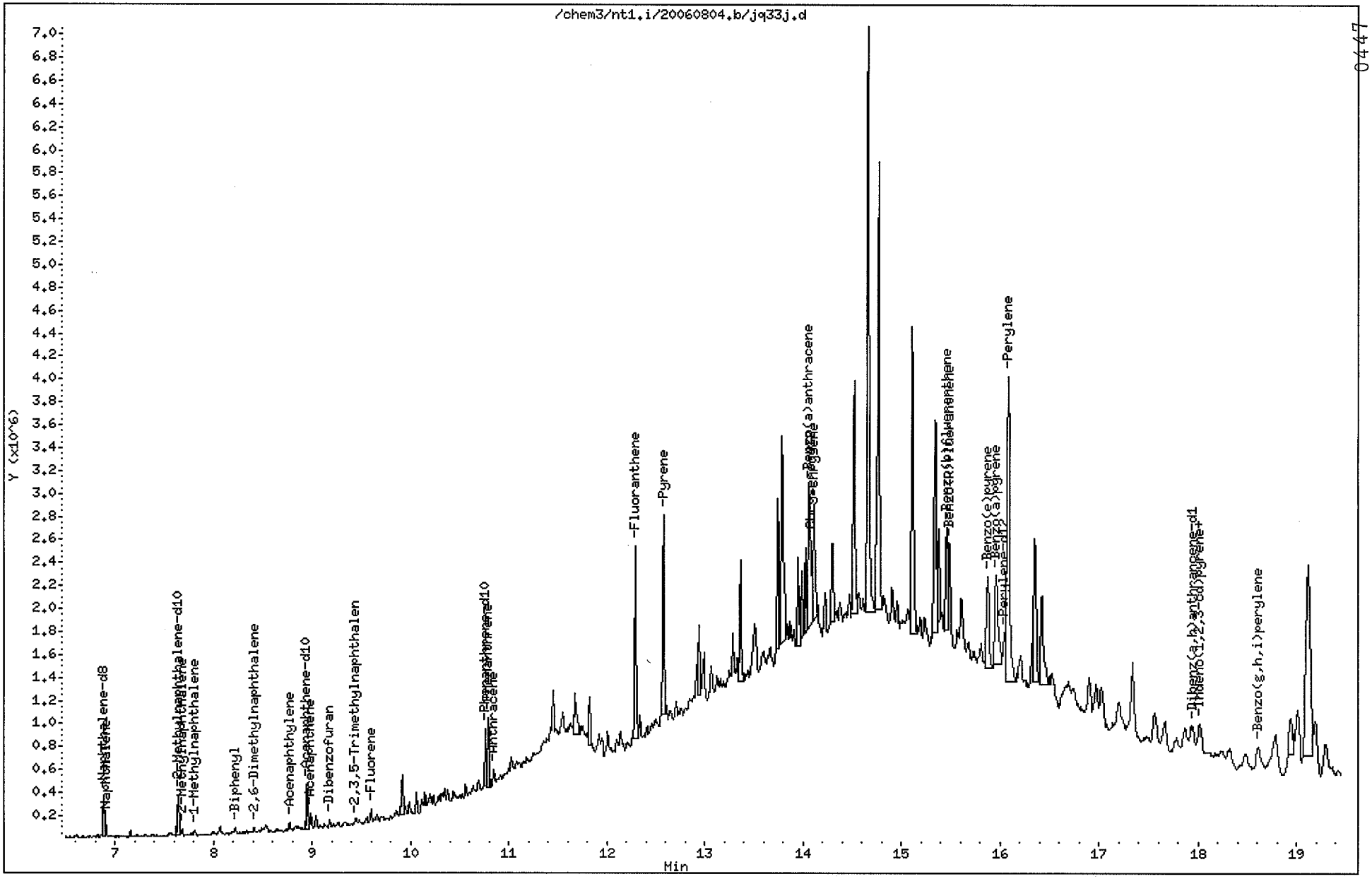
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33J
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12932

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-04-A
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	149.7	111.6	74.54	32-97
$ 32 Dibenz(a,h)anthran	149.7	77.52	51.77	21-105

Data File: /chem3/nt1.i/20060804.b/jq33j.d
Date : 04-AUG-2006 19:05
Client ID: T4-B414-04-A
Sample Info: JQ33J
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

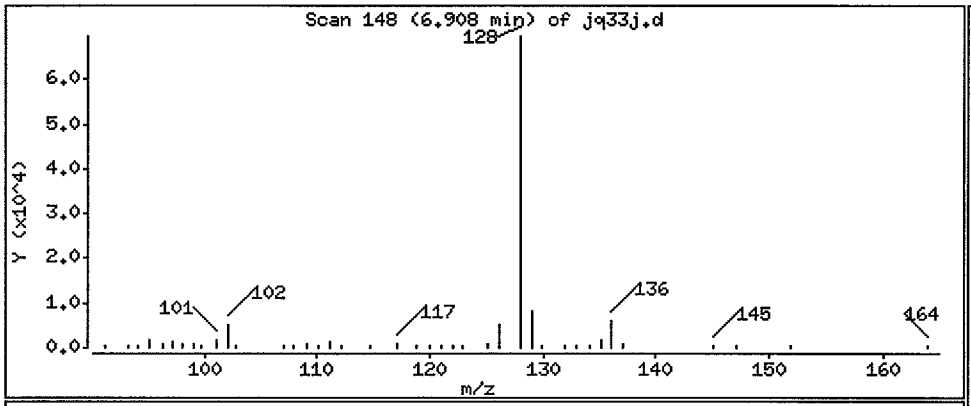
Operator: VTS

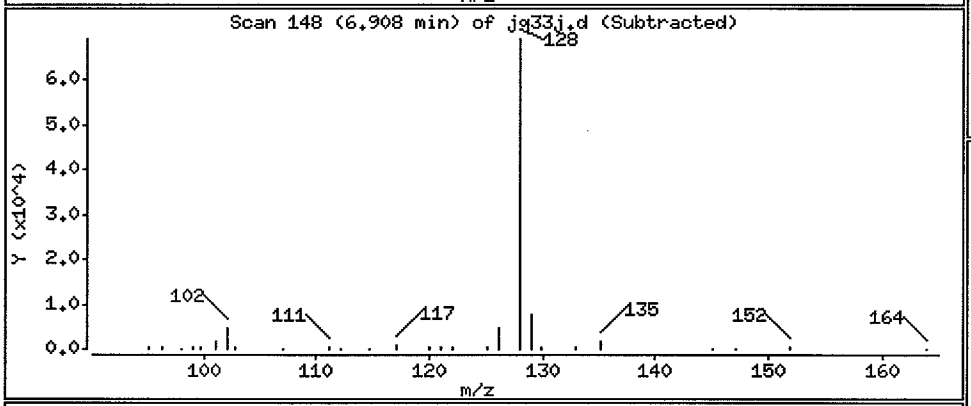
Column phase: ZB-5

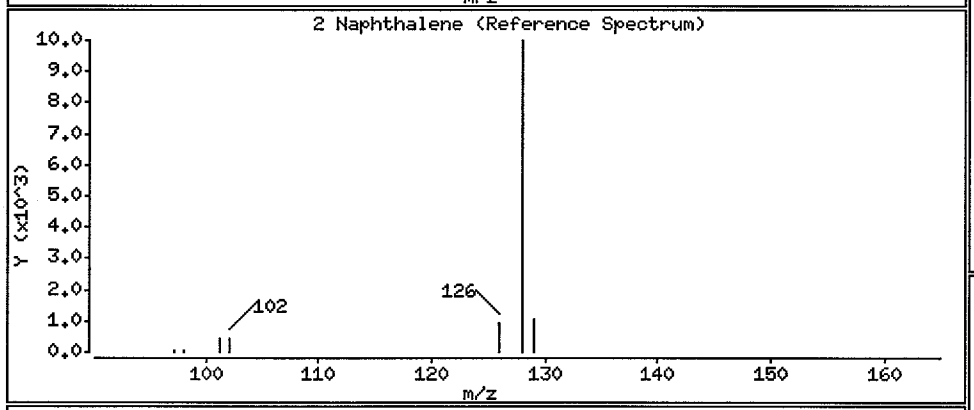
Column diameter: 0.25

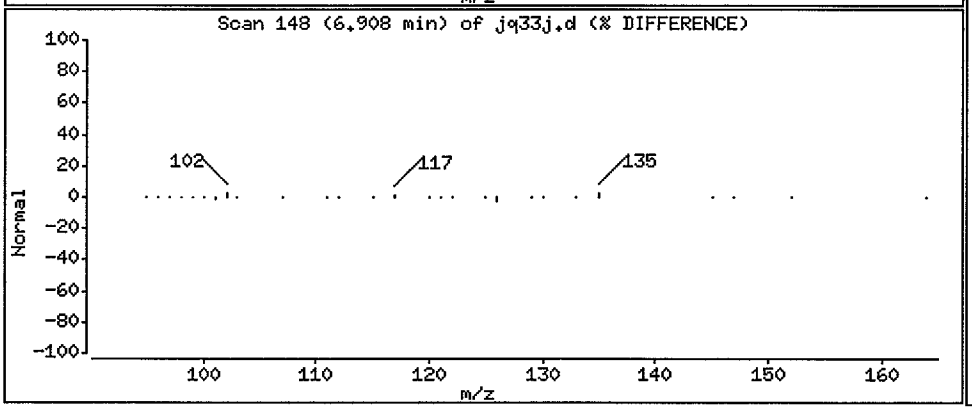
2 Naphthalene

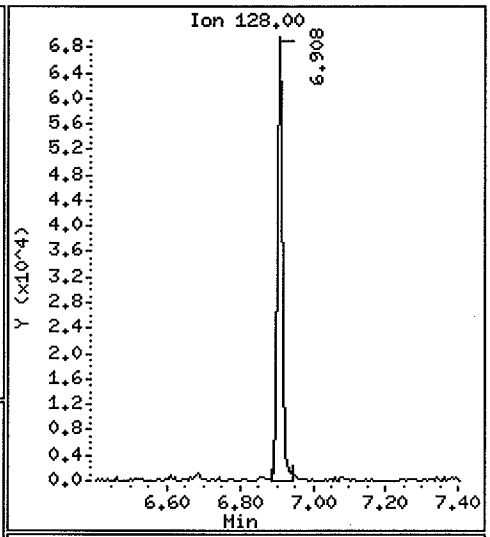
Concentration: 28.27 ug/kg

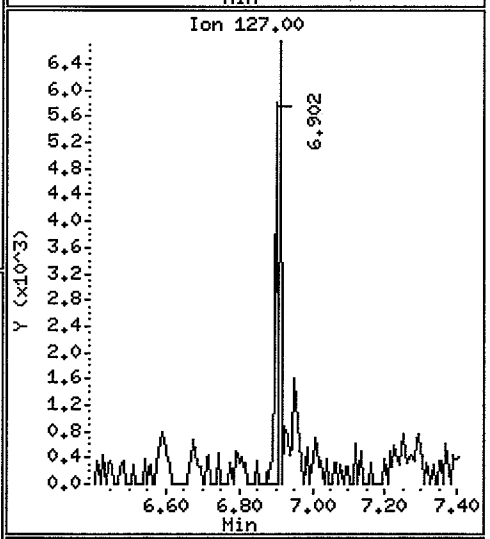


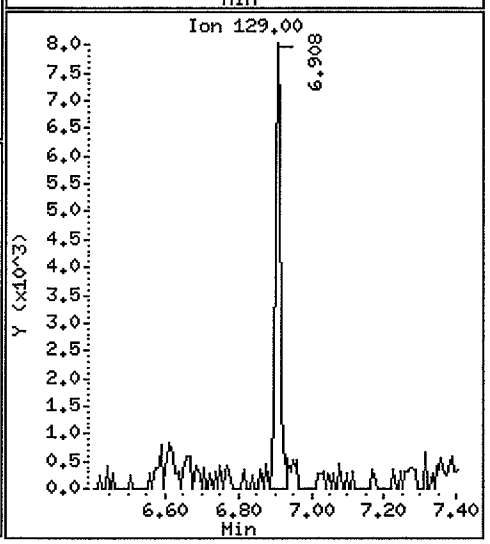












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

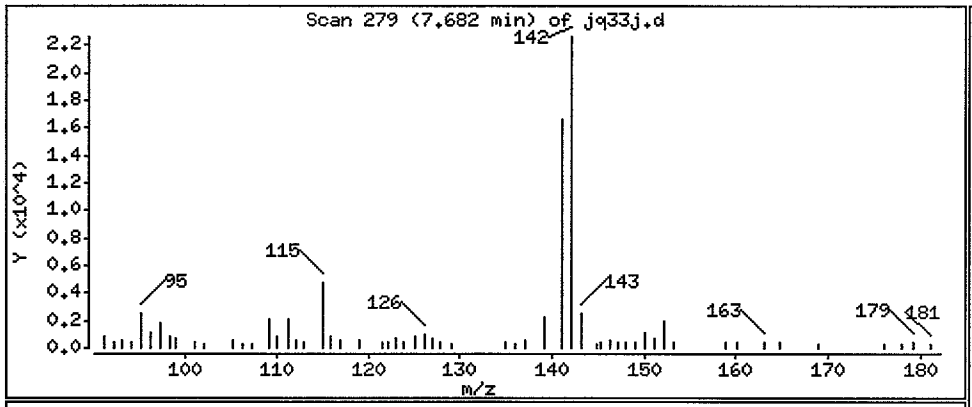
Operator: VTS

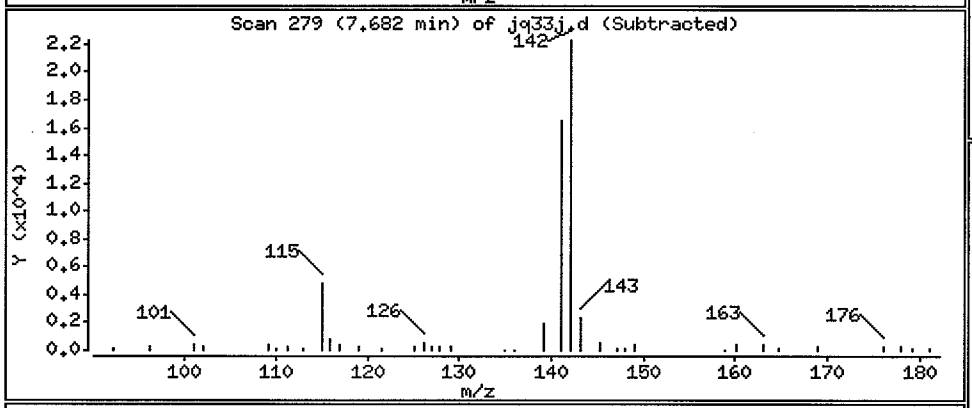
Column phase: ZB-5

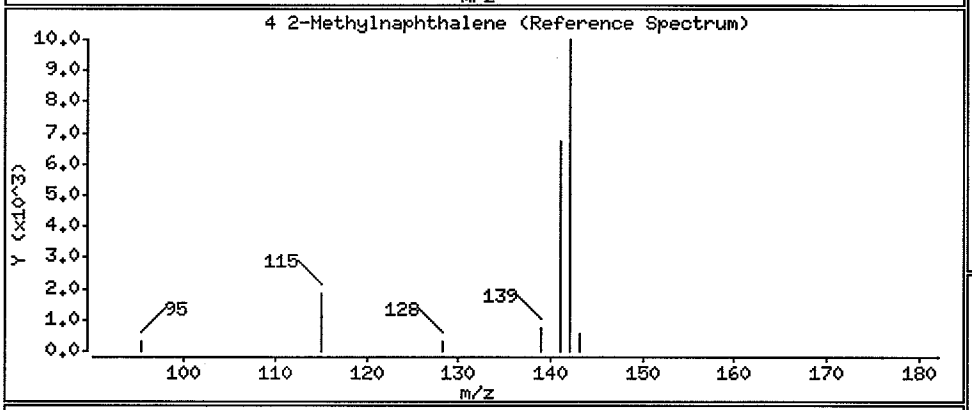
Column diameter: 0.25

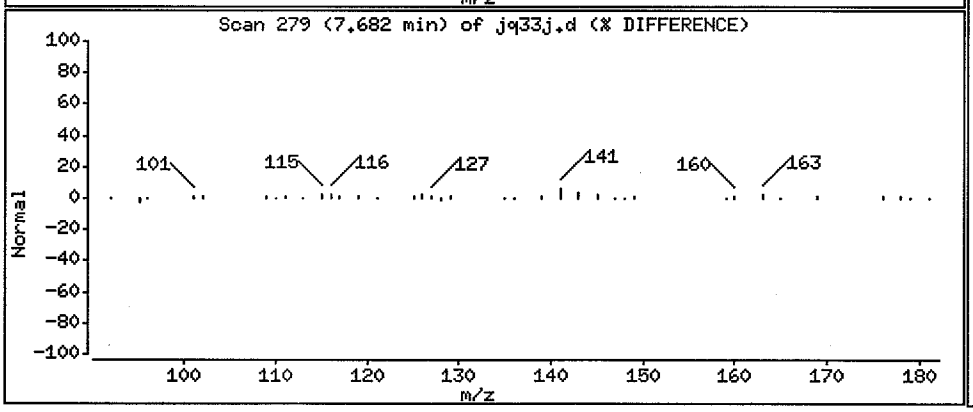
4 2-Methylnaphthalene

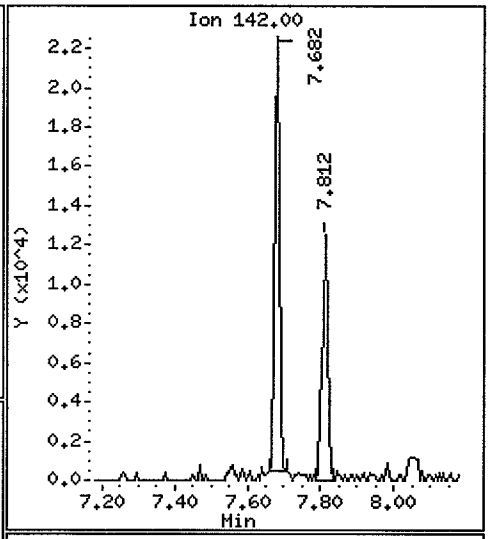
Concentration: 14.37 ug/kg

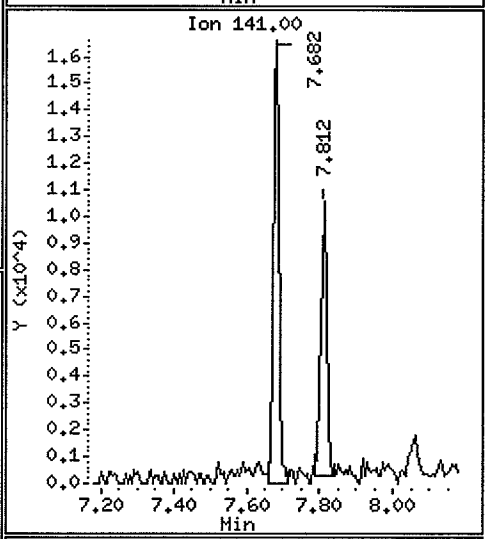


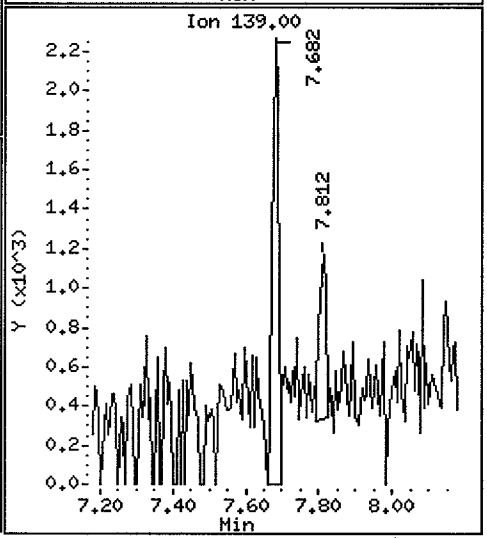












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

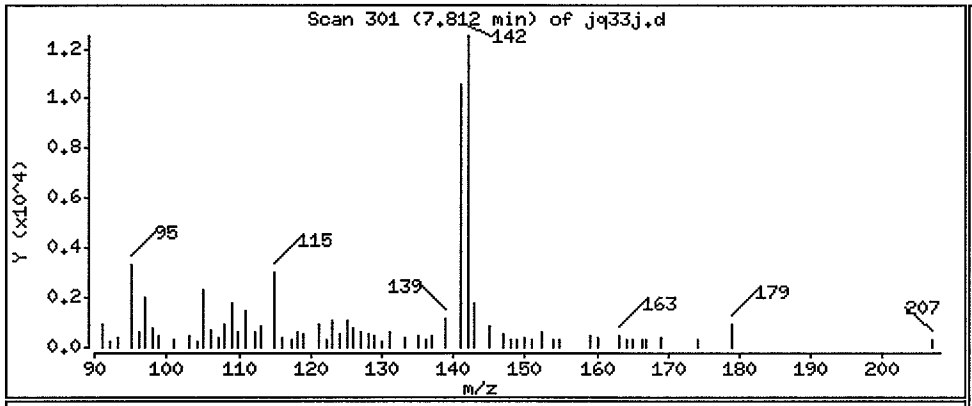
Operator: VTS

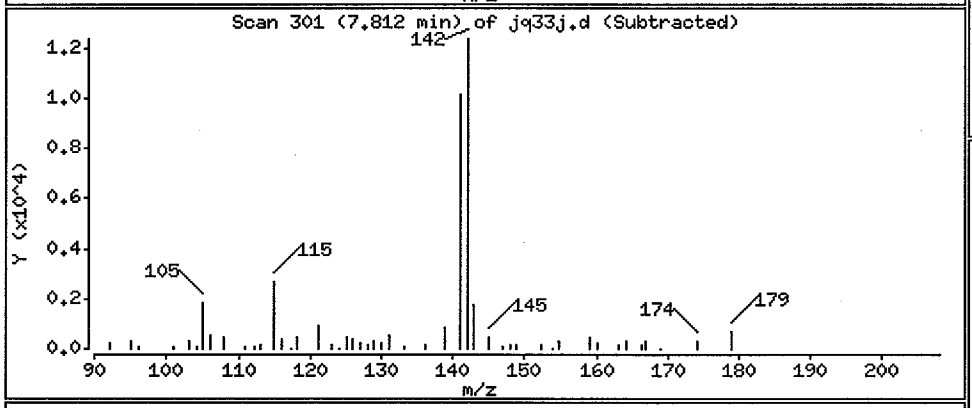
Column phase: ZB-5

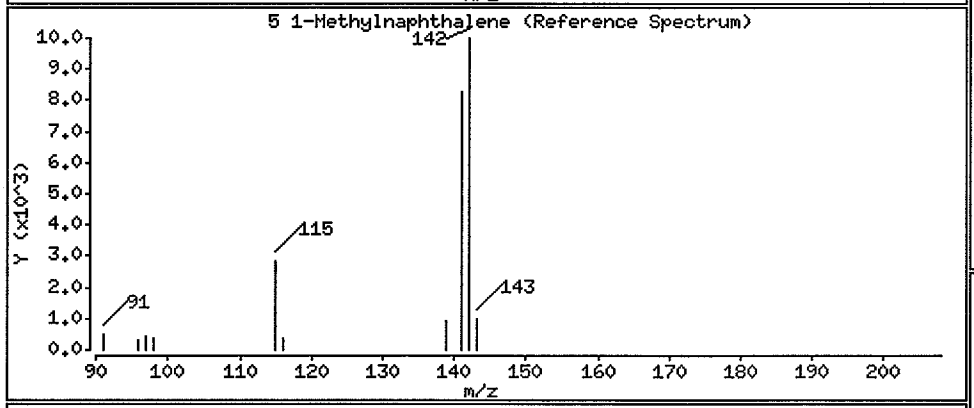
Column diameter: 0.25

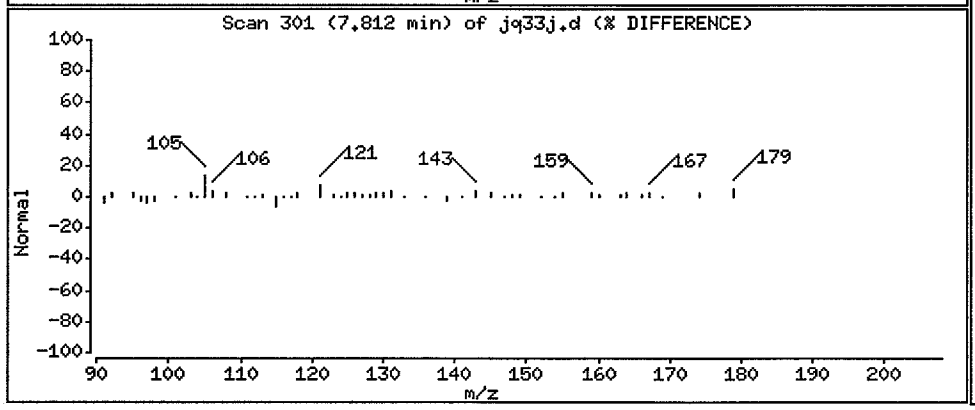
5 1-Methylnaphthalene

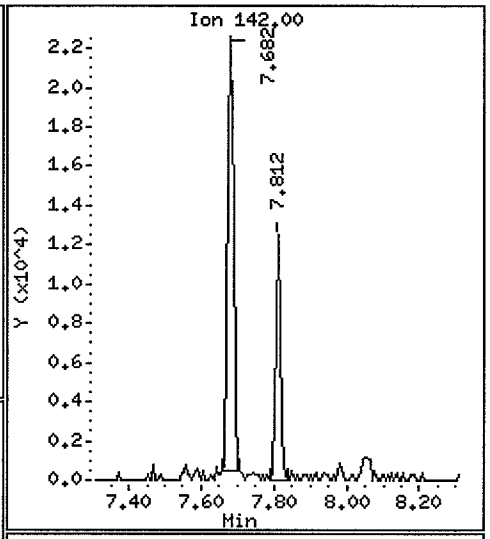
Concentration: 7.845 ug/kg

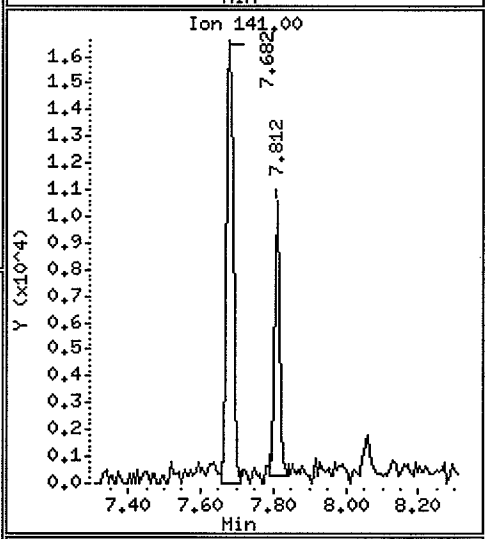


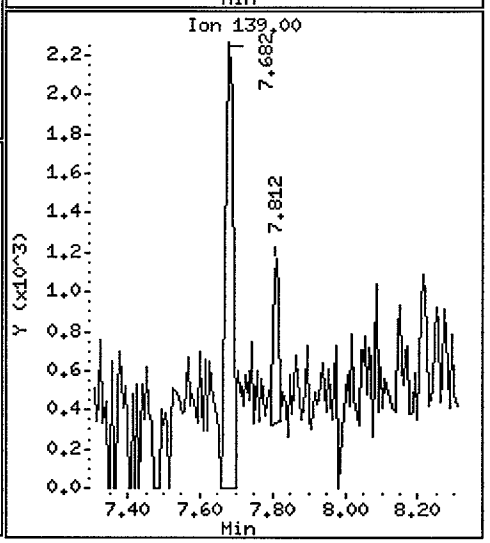












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

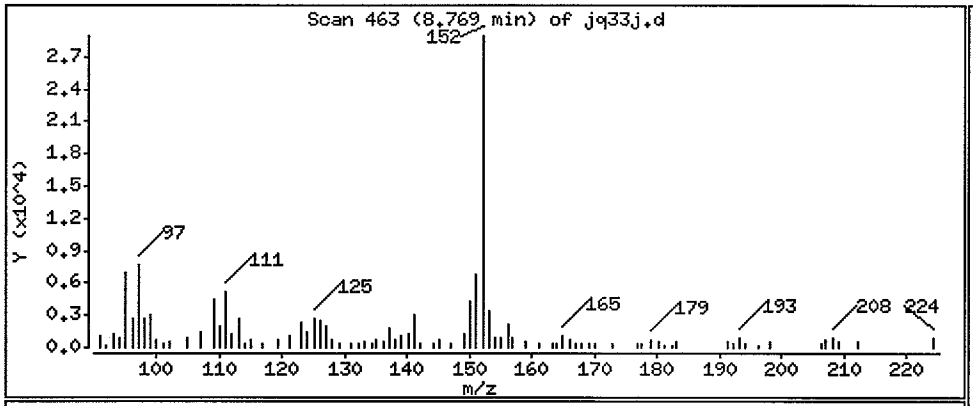
Operator: VTS

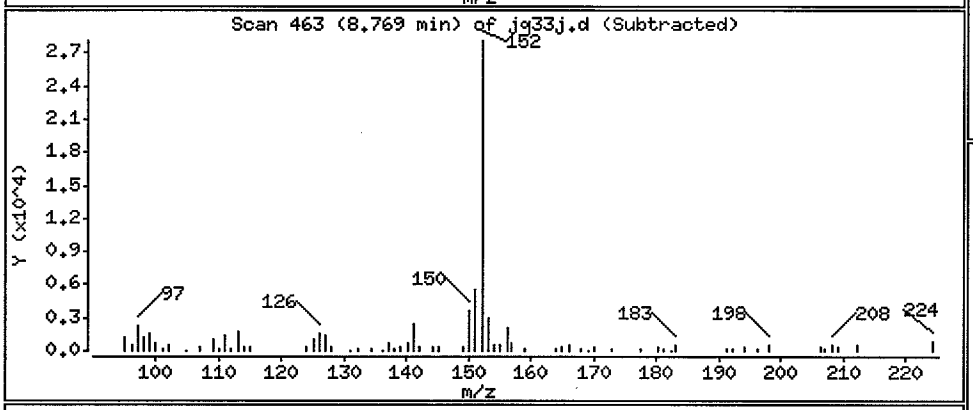
Column phase: ZB-5

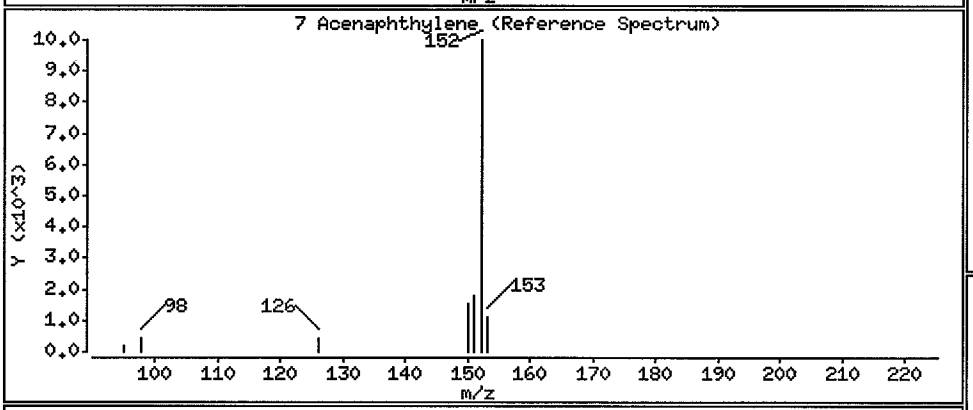
Column diameter: 0.25

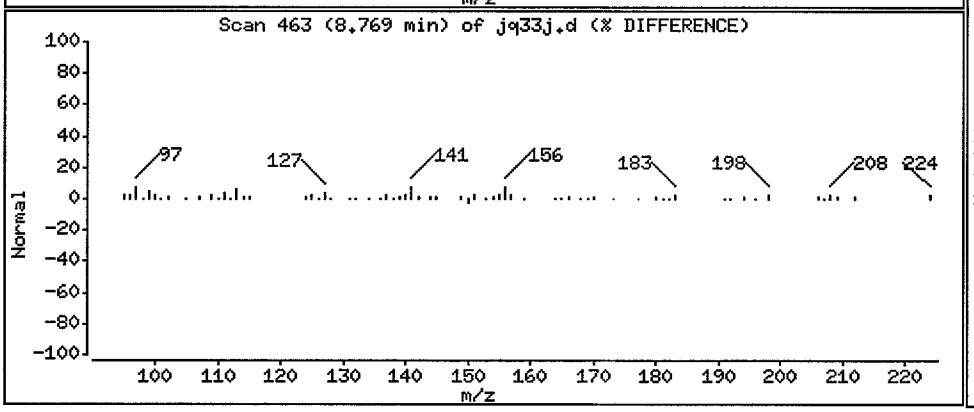
7 Acenaphthylene

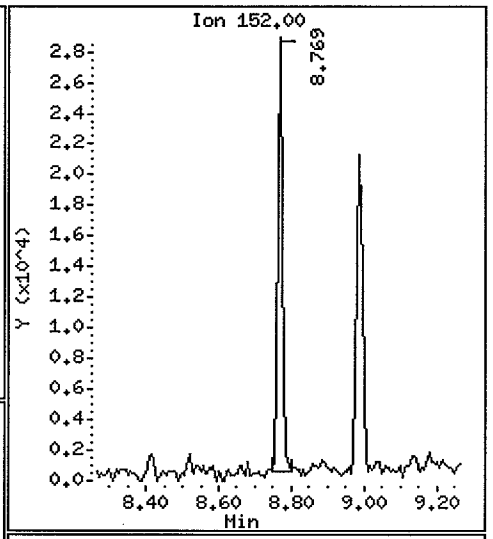
Concentration: 11.40 ug/kg

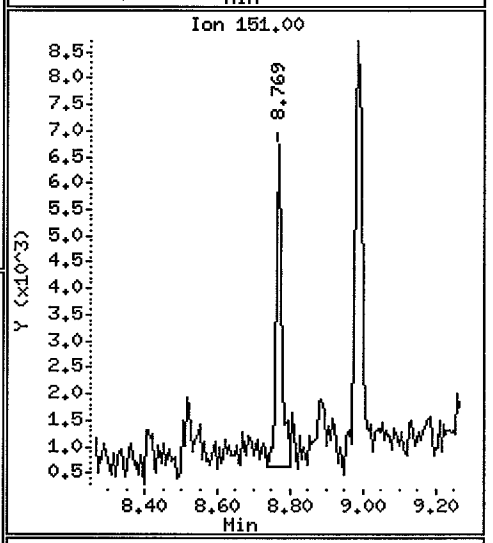


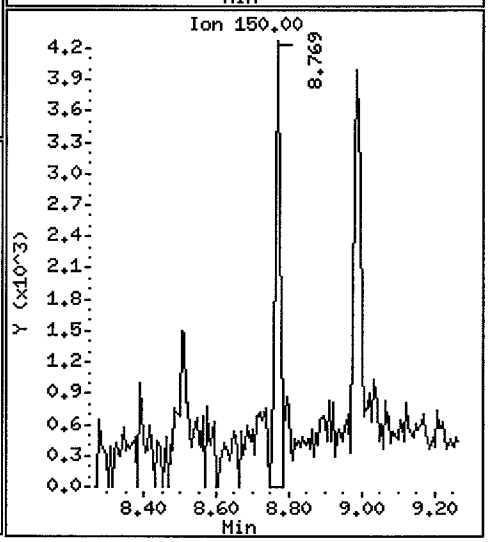












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

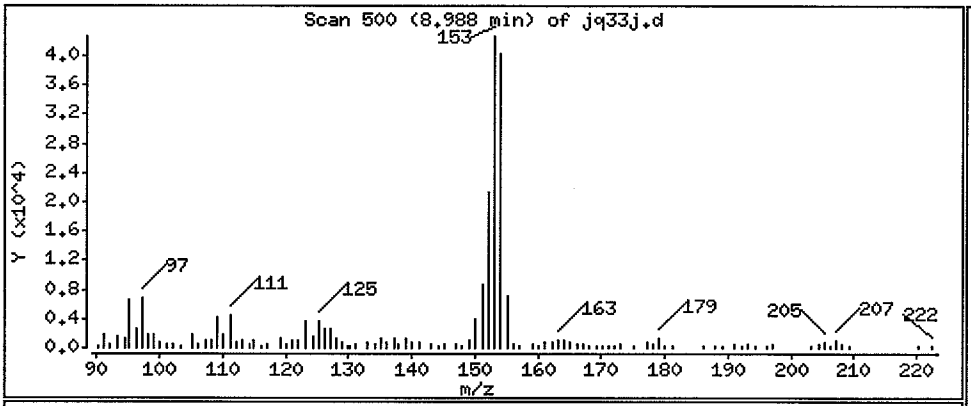
Operator: VTS

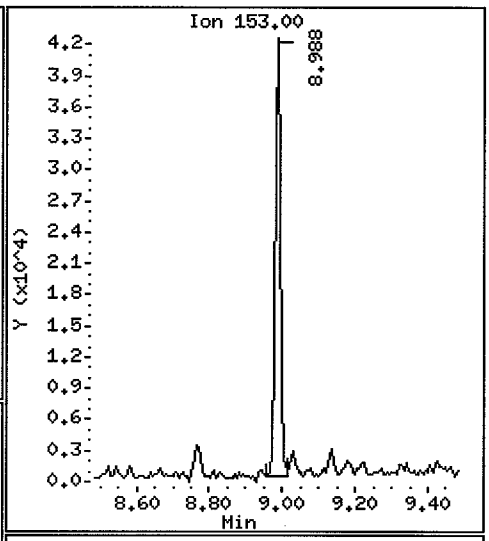
Column phase: ZB-5

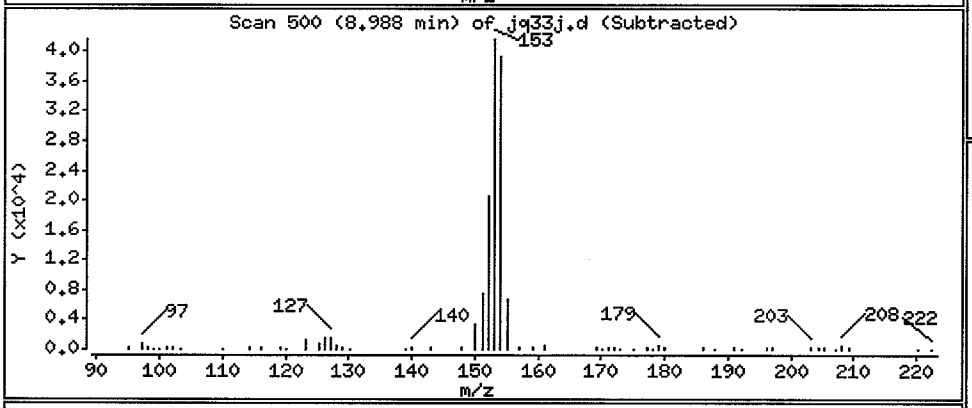
Column diameter: 0.25

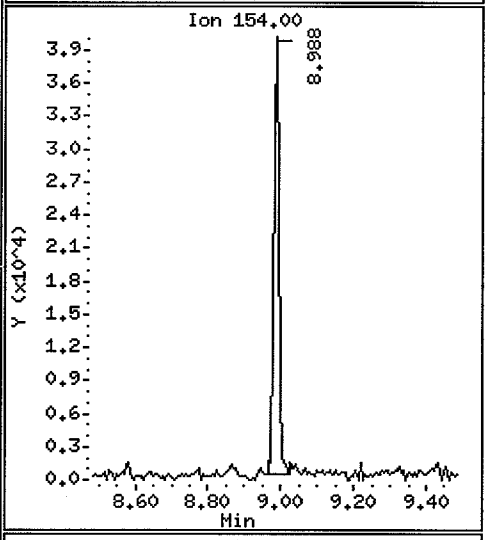
9 Acenaphthene

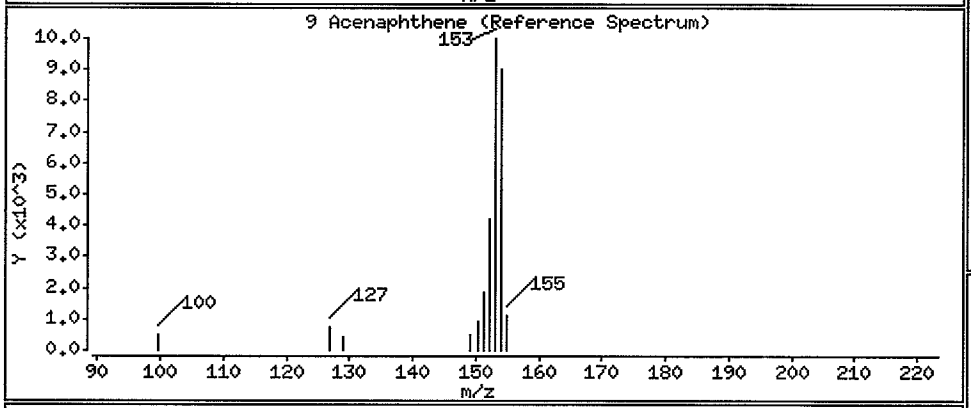
Concentration: 32.33 ug/kg

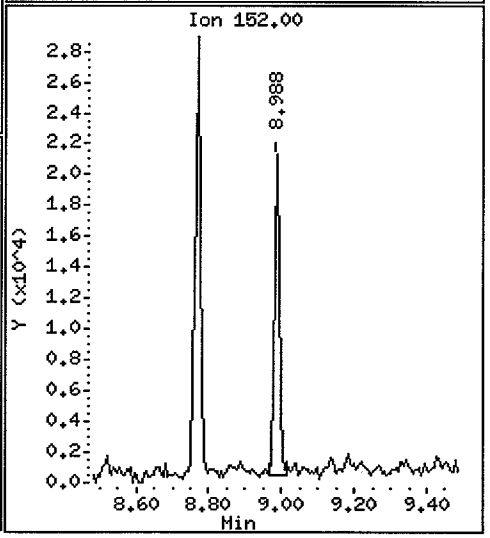


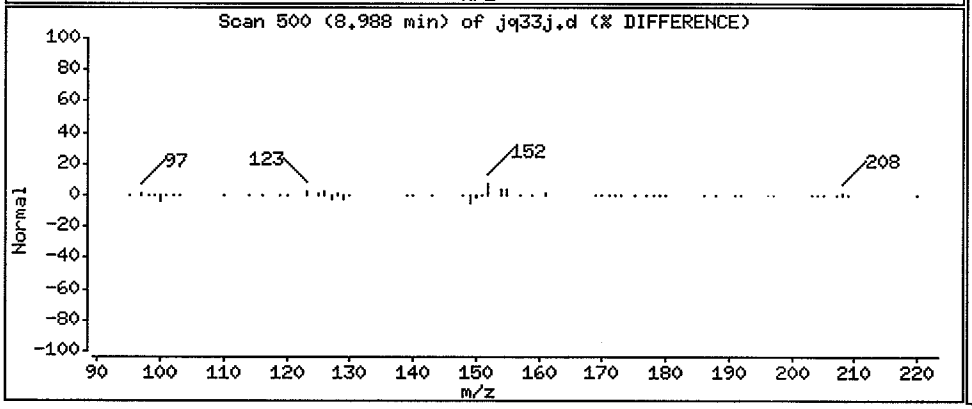












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

Operator: VTS

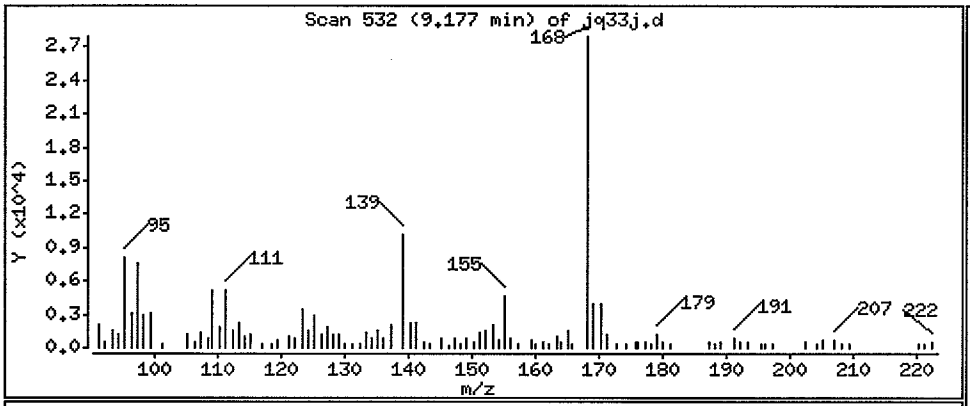
Column phase: ZB-5

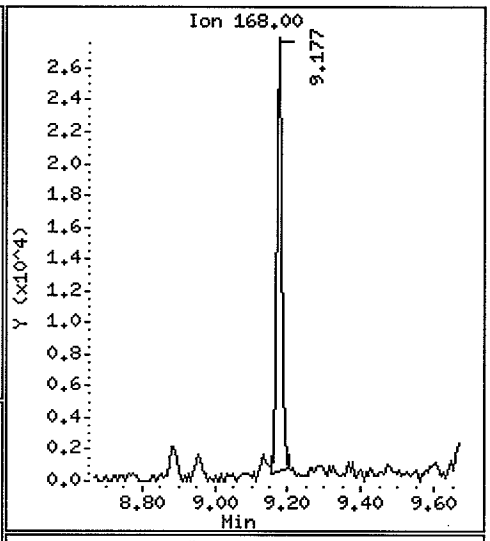
Column diameter: 0.25

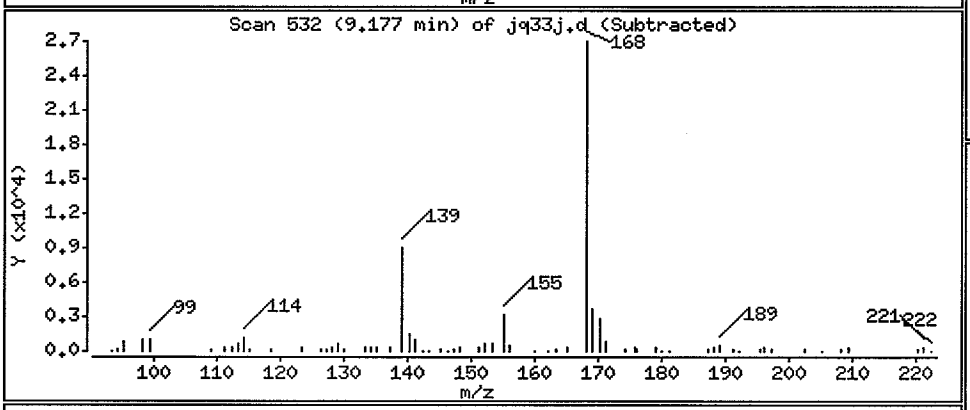
wkgd.

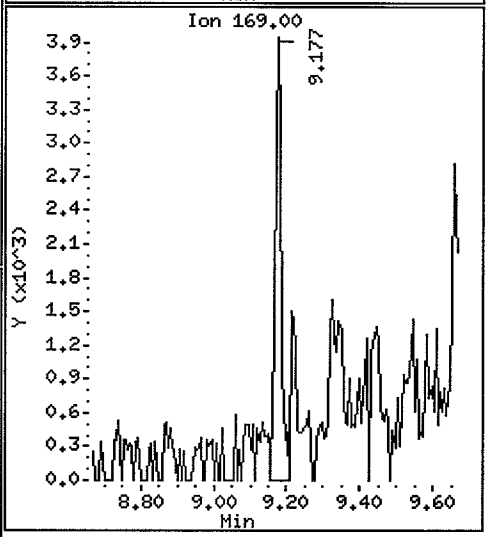
10 Dibenzofuran

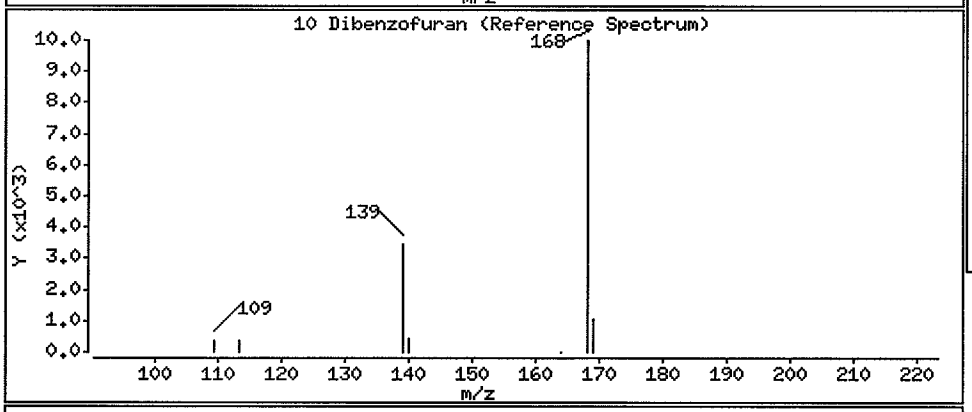
Concentration: 13.60 ug/kg

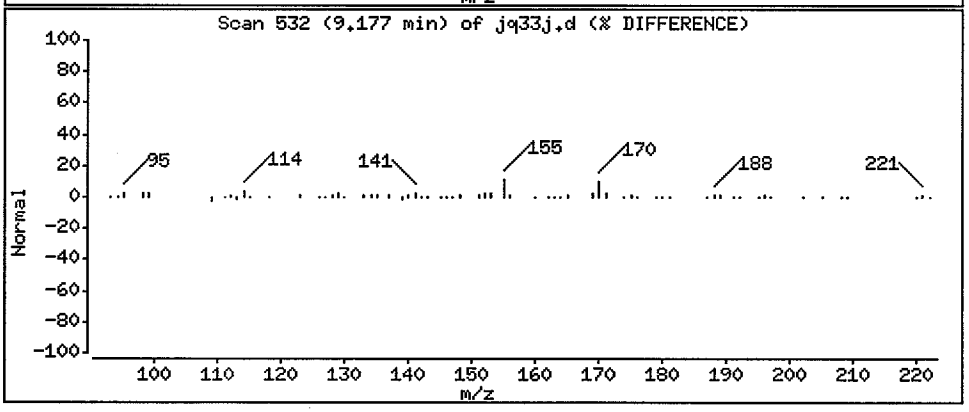












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

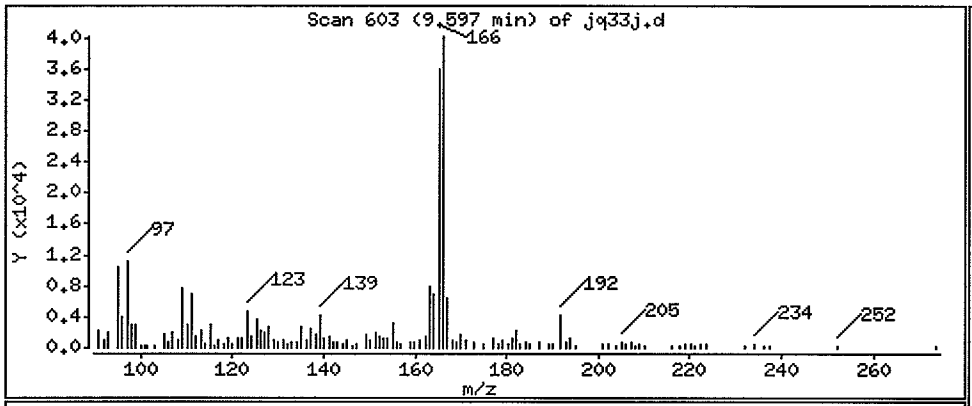
Operator: VTS

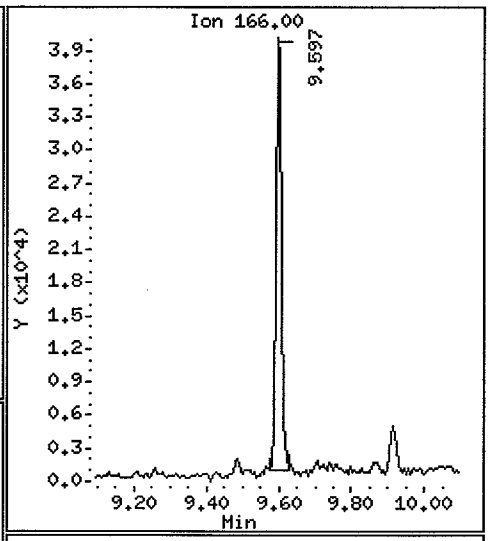
Column phase: ZB-5

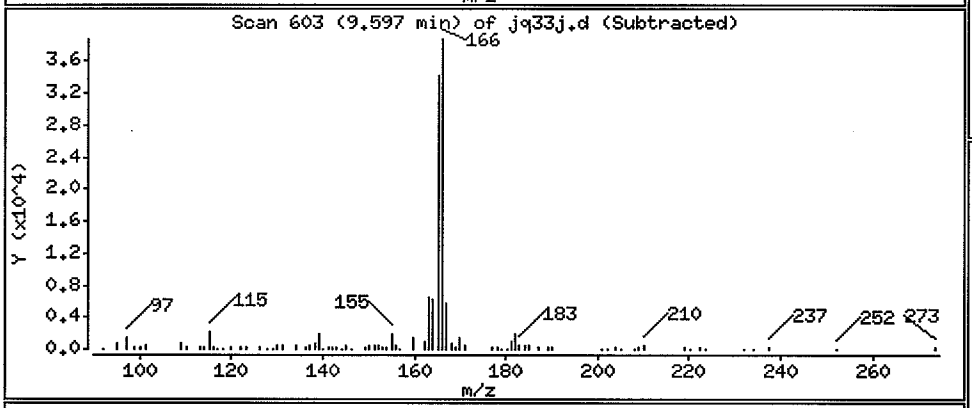
Column diameter: 0.25

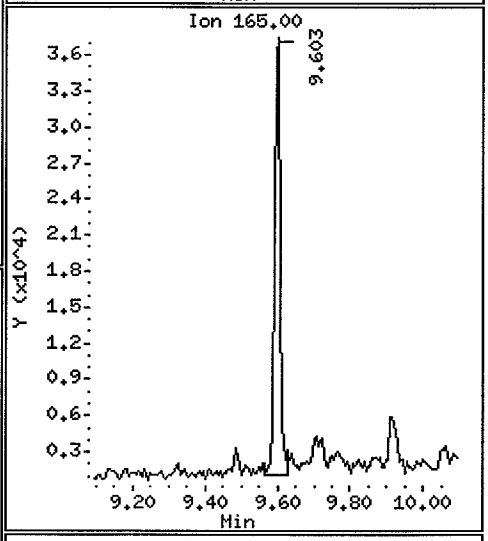
11 Fluorene

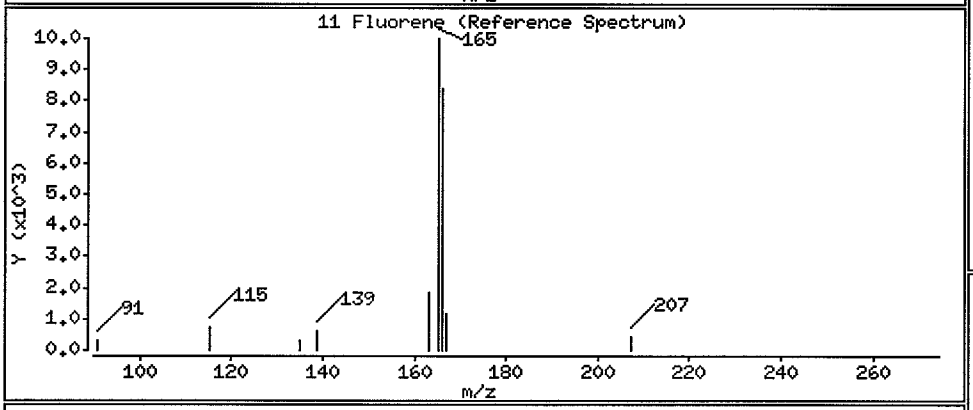
Concentration: 27.18 ug/kg

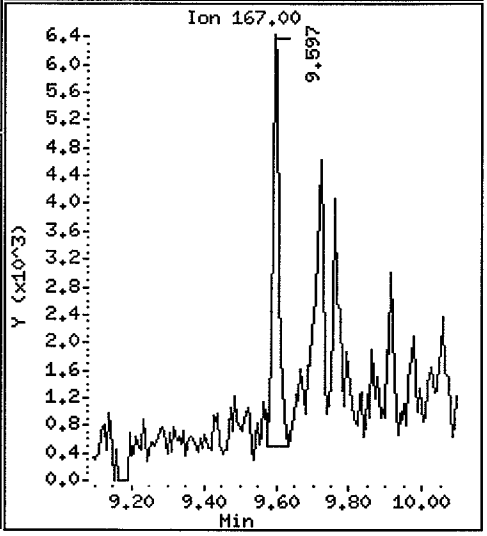


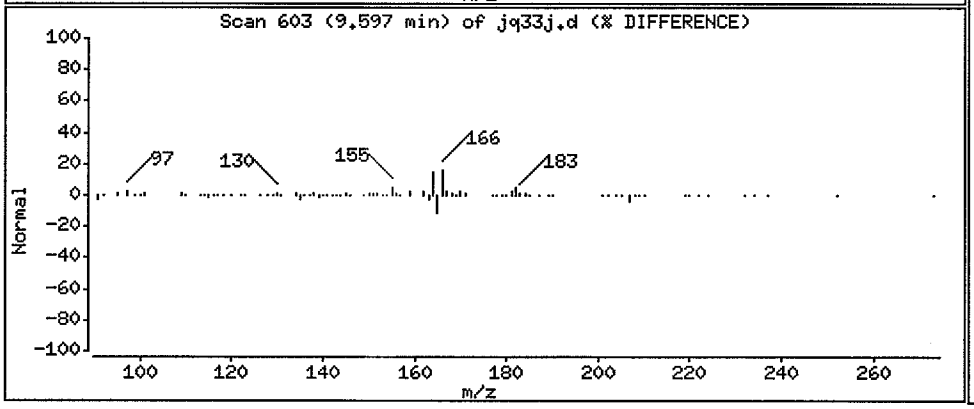












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

Operator: VTS

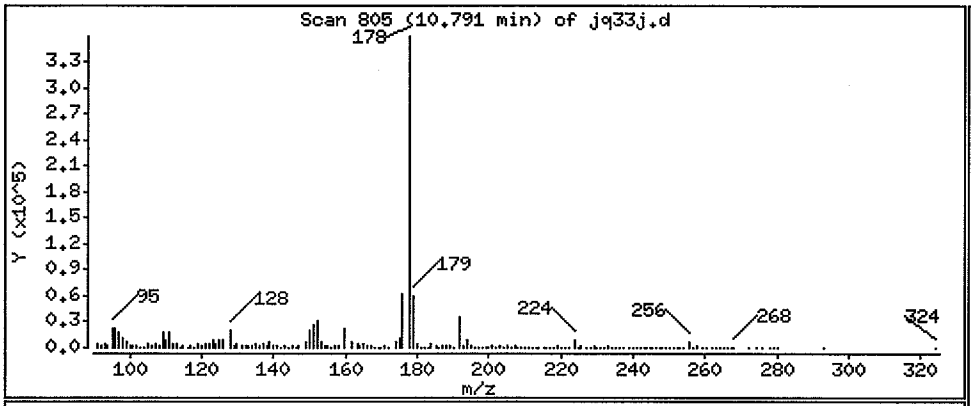
Column phase: ZB-5

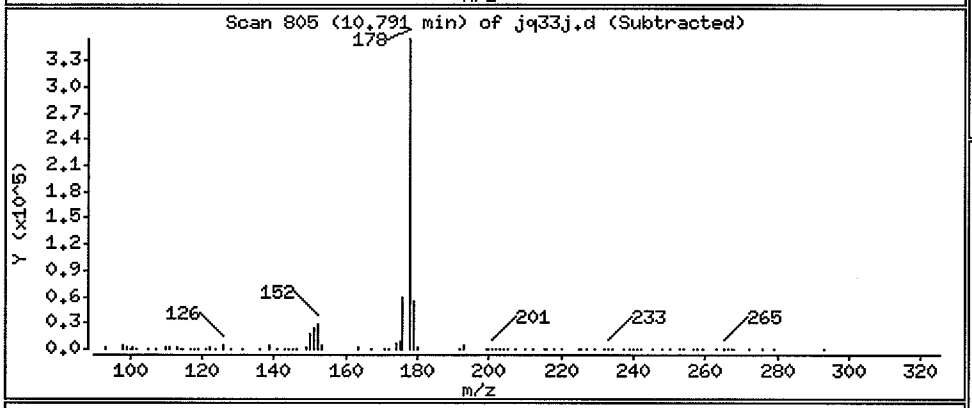
Column diameter: 0.25

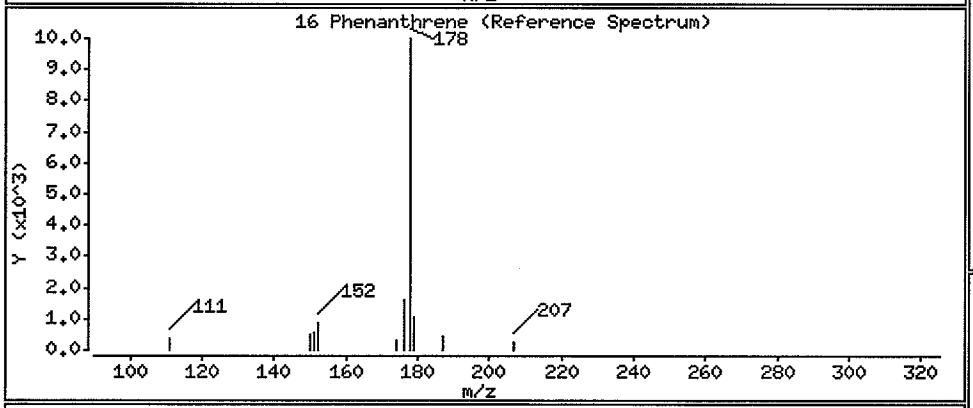
16 Phenanthrene

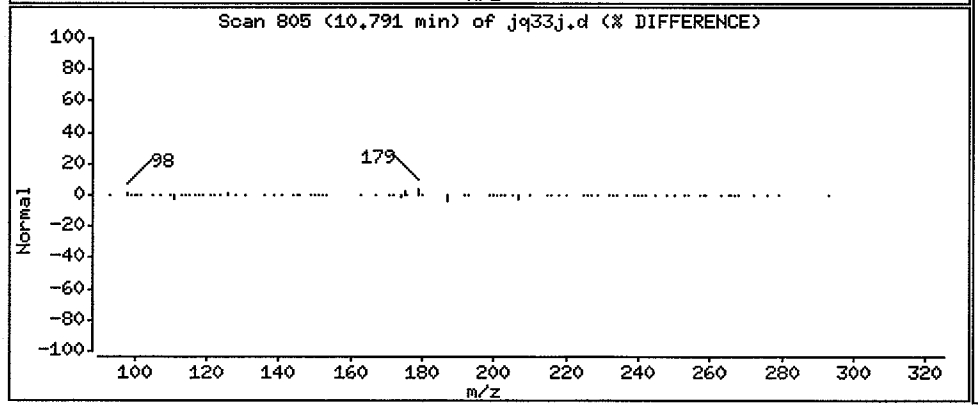
Concentration: 163.1 ug/kg

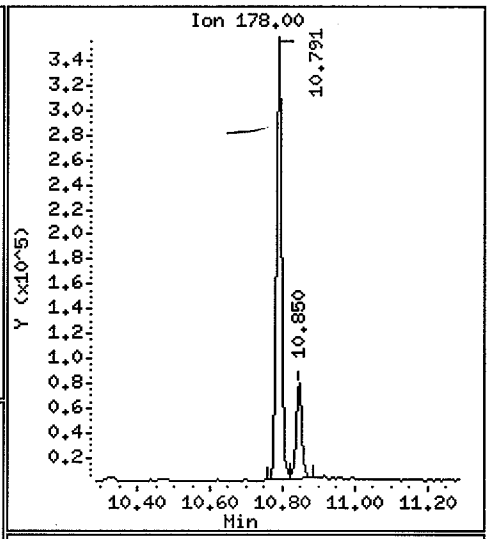
B

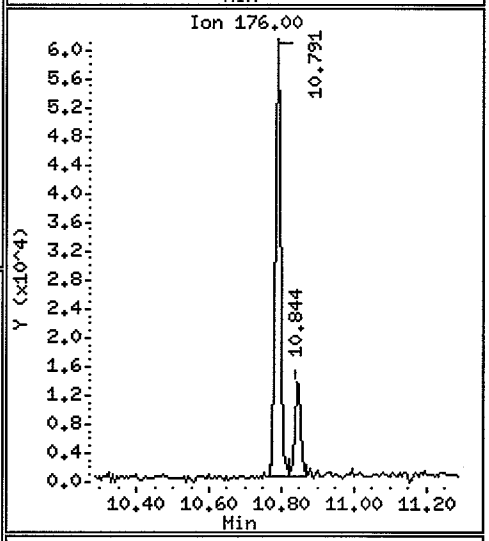


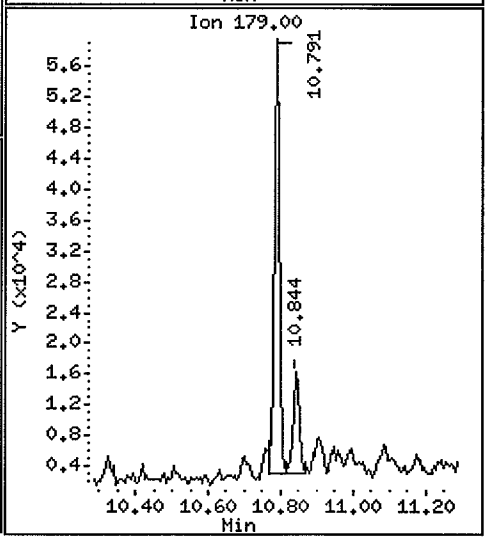












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

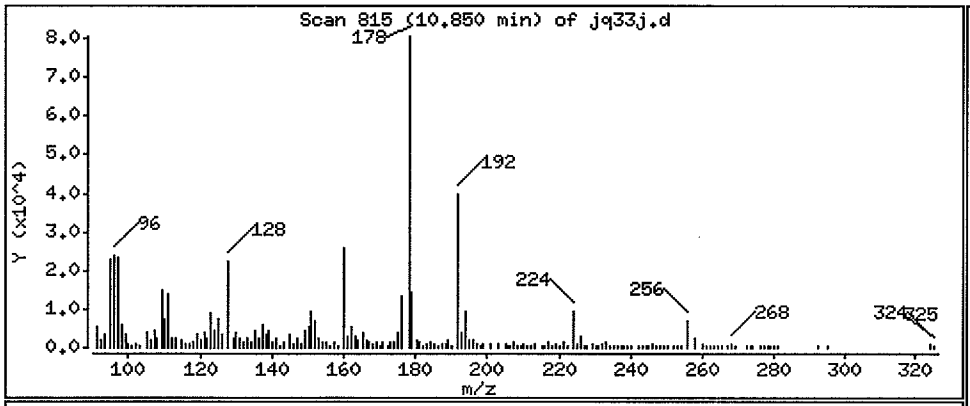
Operator: VTS

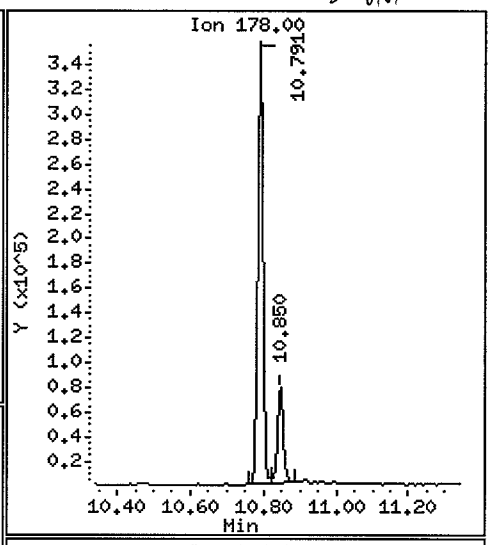
Column phase: ZB-5

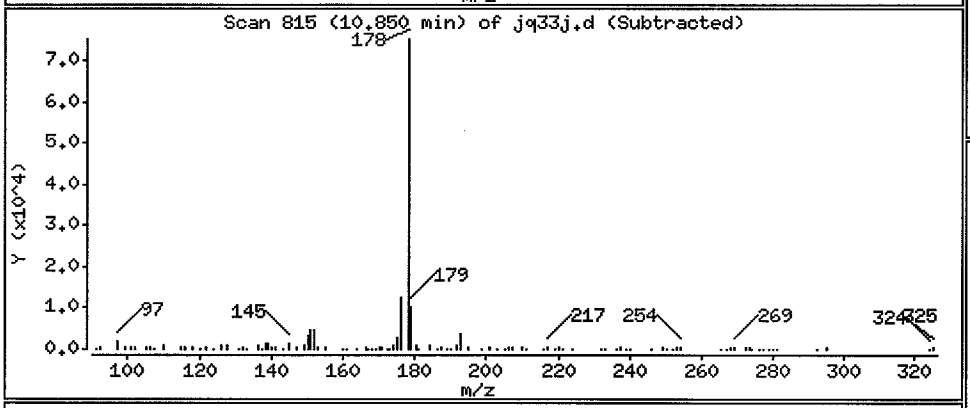
Column diameter: 0.25

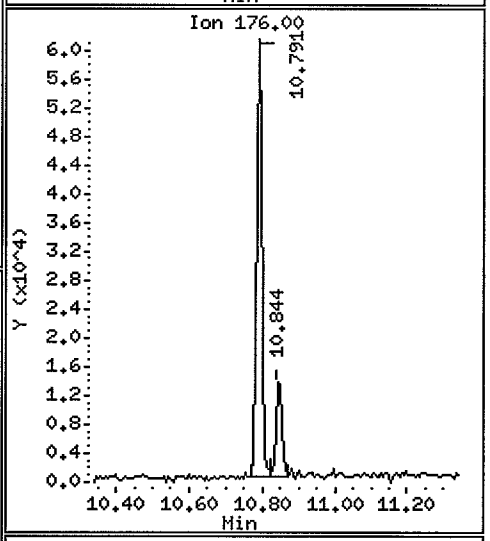
17 Anthracene

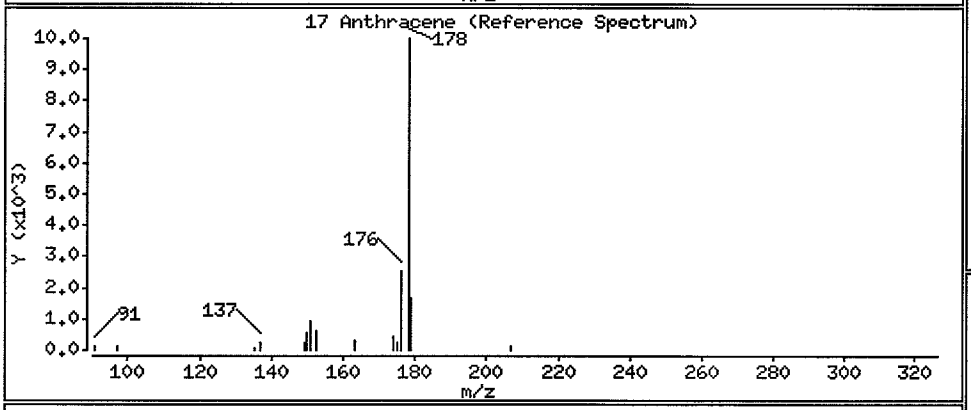
Concentration: 39.45 ug/kg

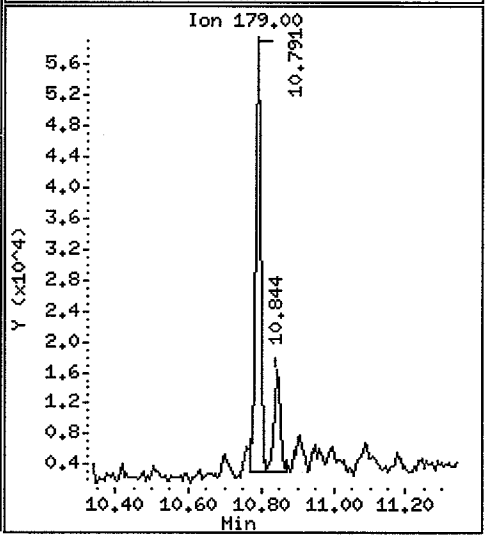


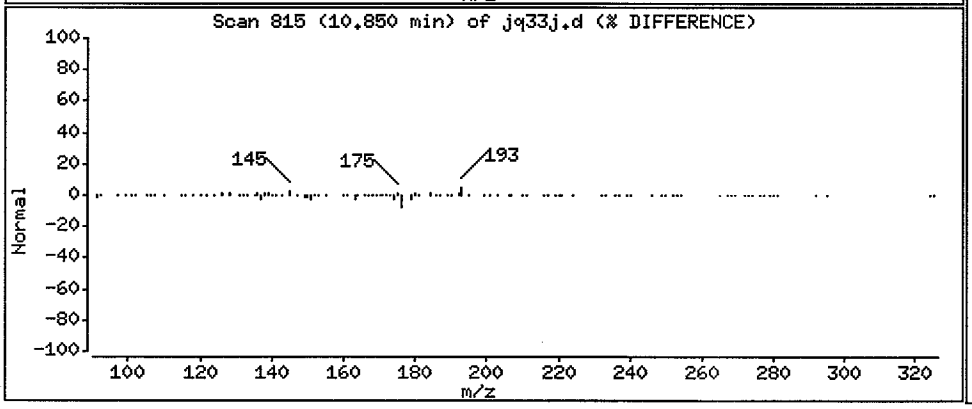












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

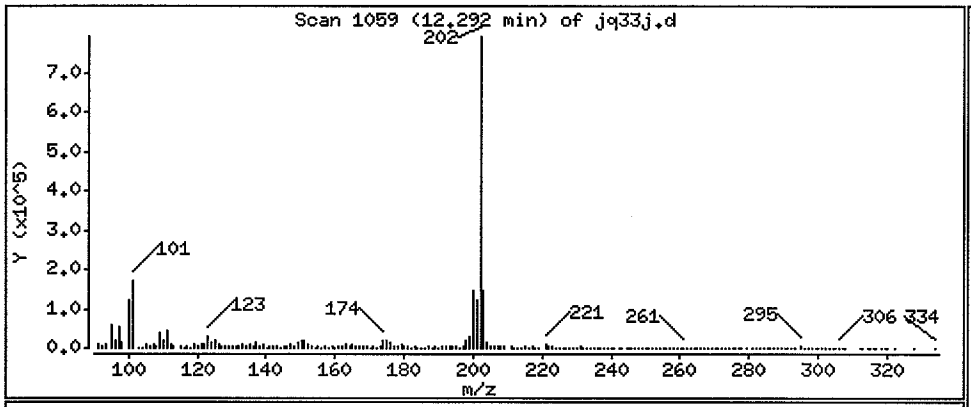
Operator: VTS

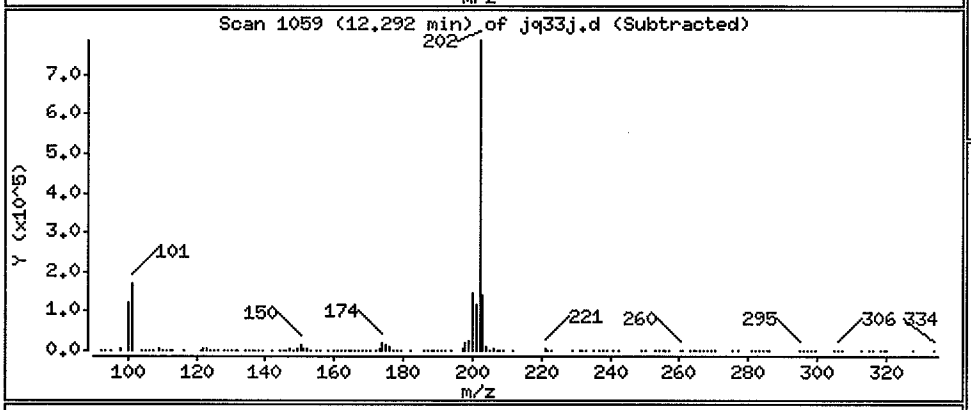
Column phase: ZB-5

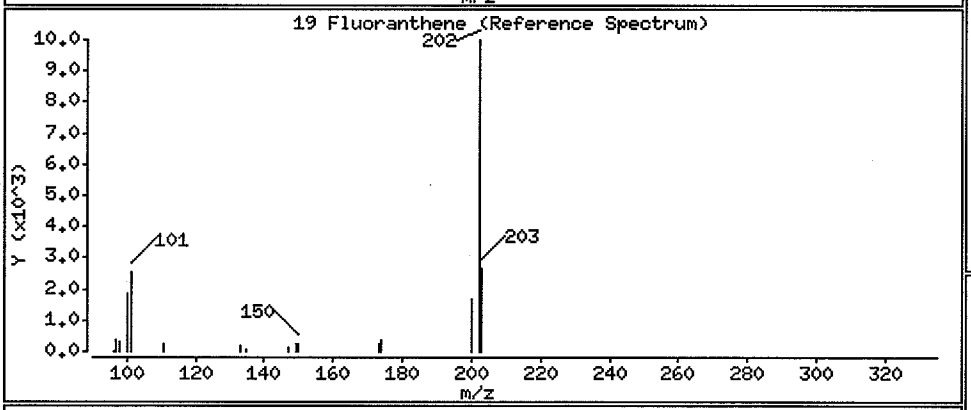
Column diameter: 0.25

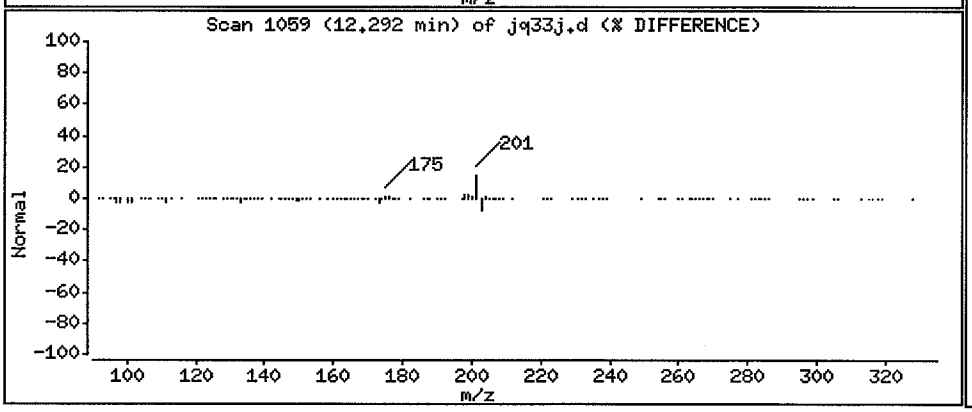
19 Fluoranthene

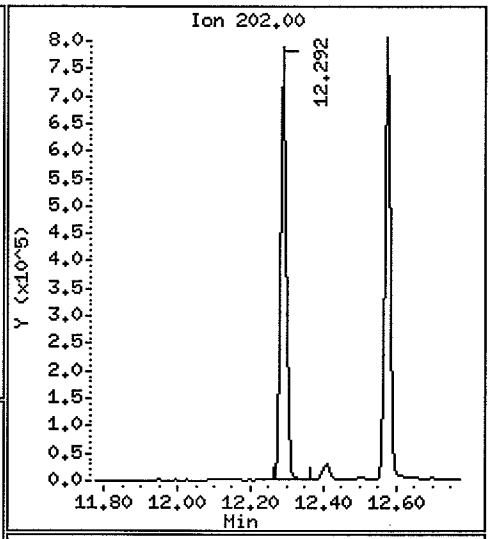
Concentration: 347.4 ug/kg

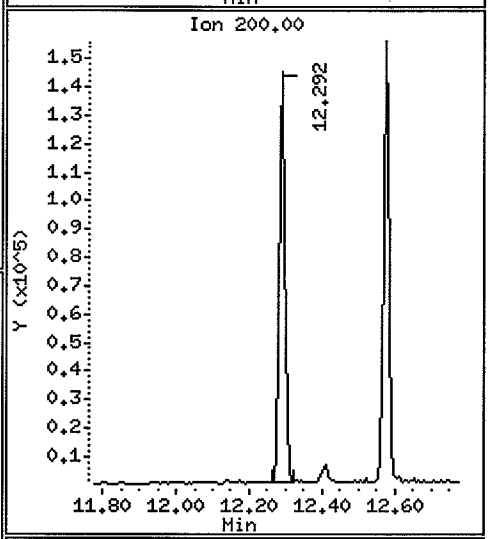


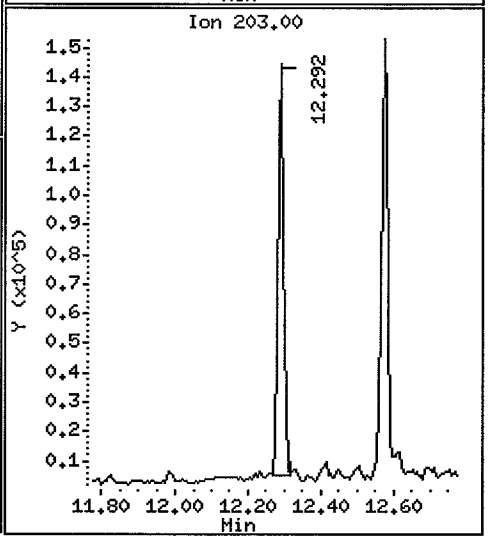












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

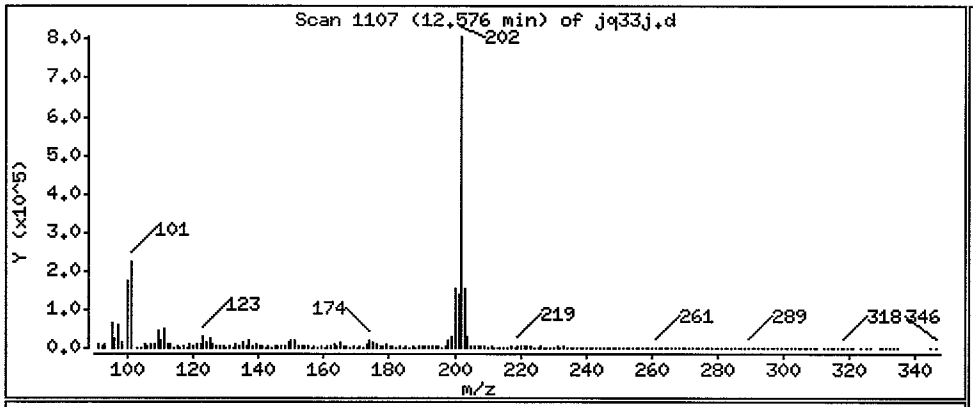
Operator: VTS

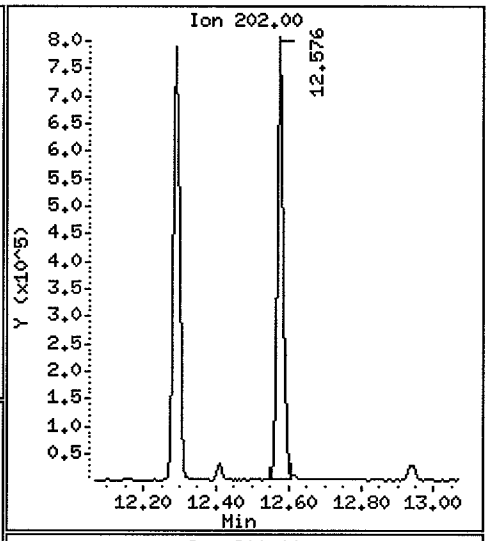
Column phase: ZB-5

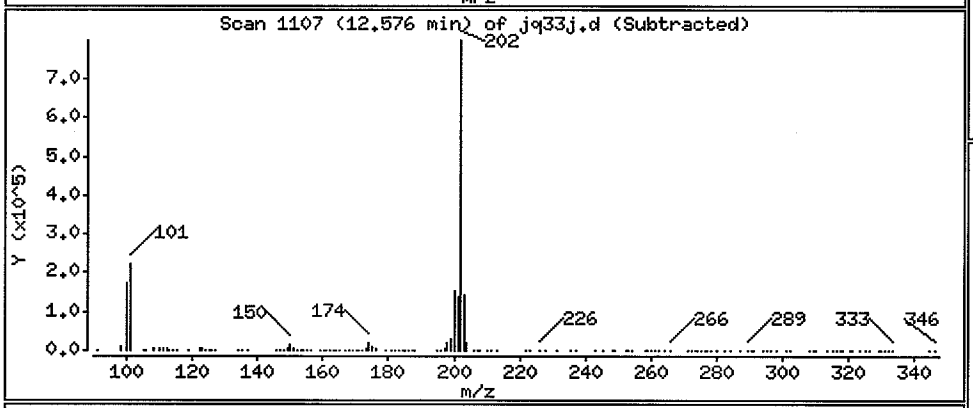
Column diameter: 0.25

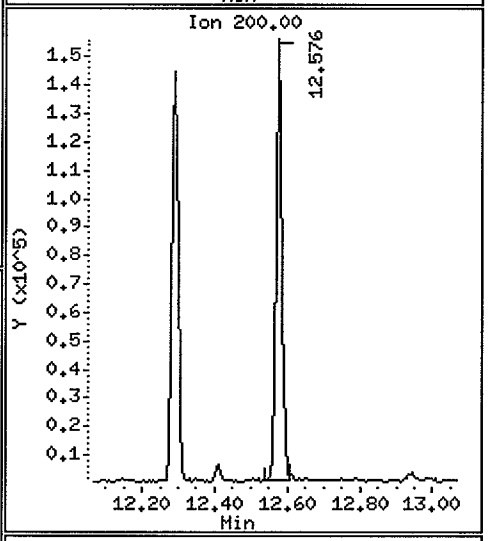
20 Pyrene

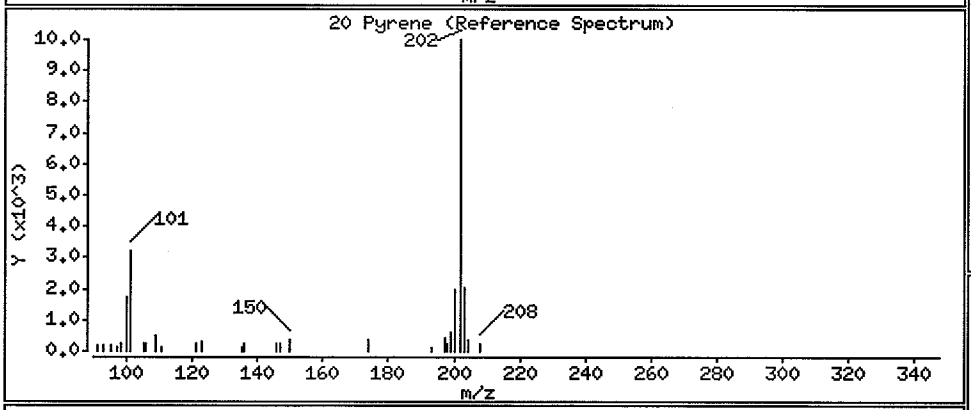
Concentration: 322.4 ug/kg

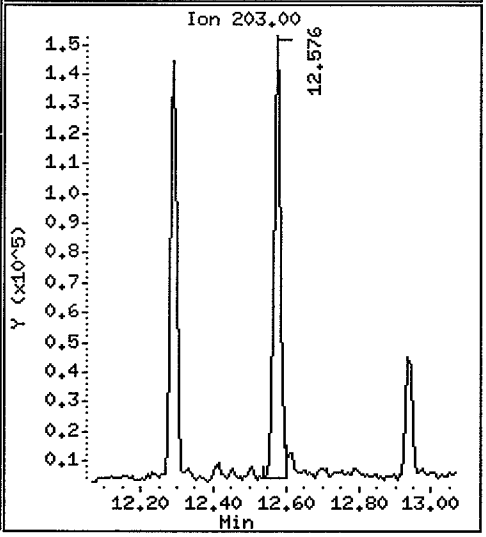


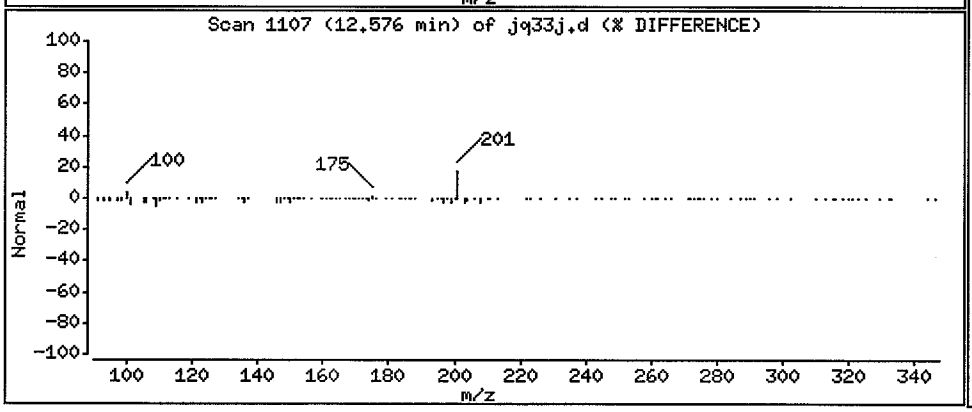












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

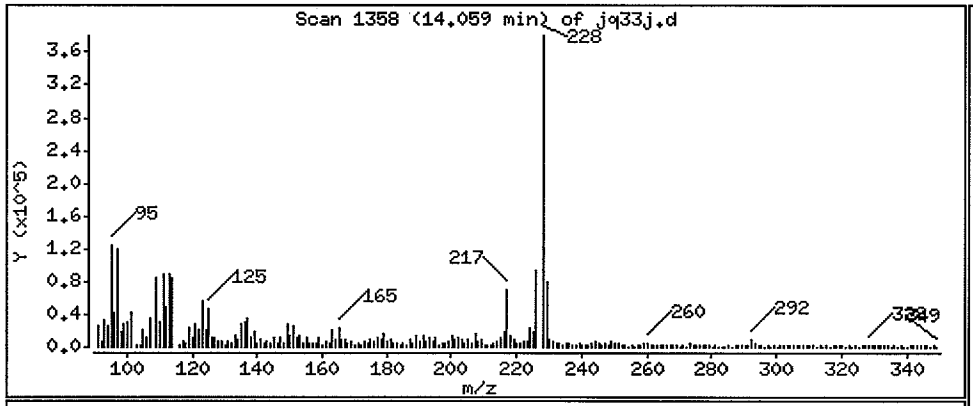
Operator: VTS

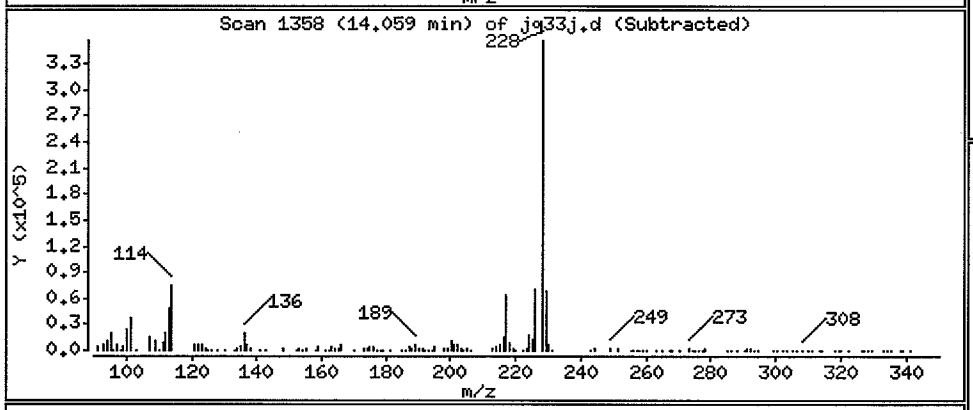
Column phase: ZB-5

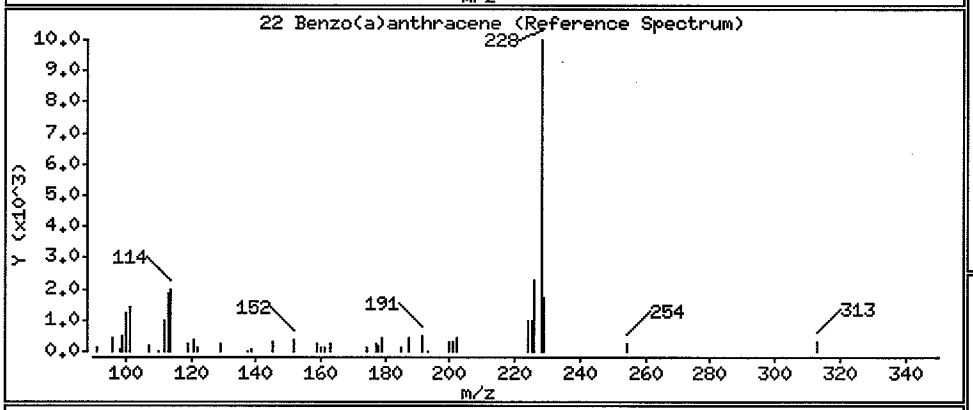
Column diameter: 0.25

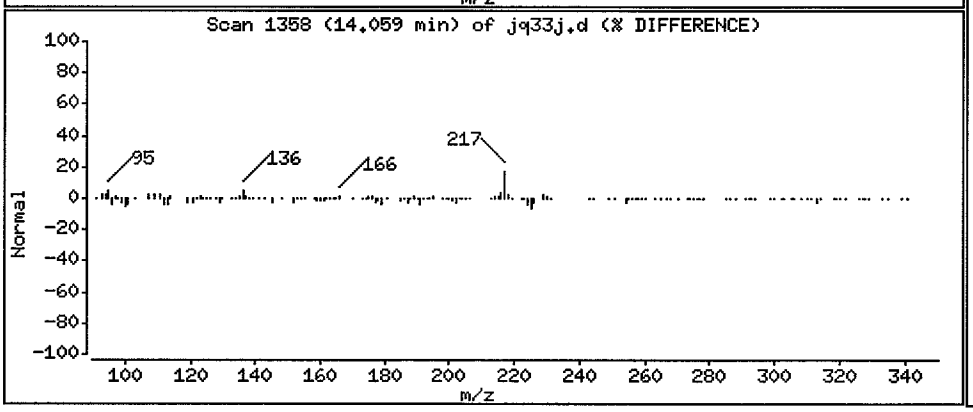
22 Benzo(a)anthracene

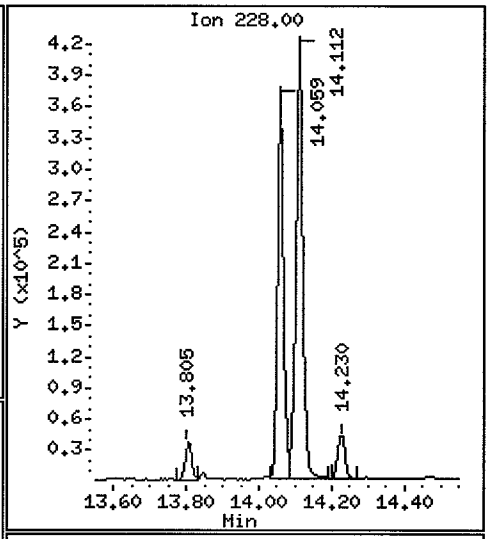
Concentration: 165.8 ug/kg

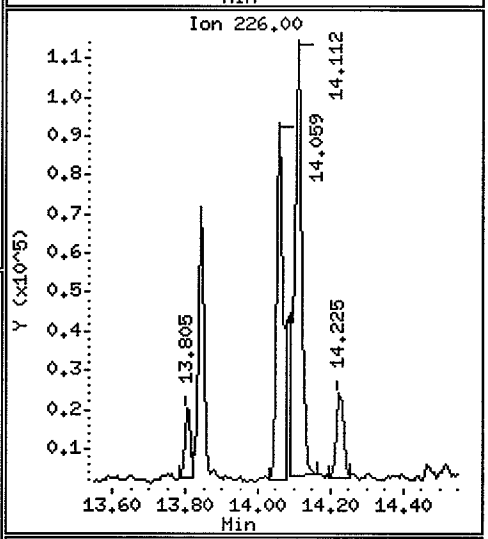


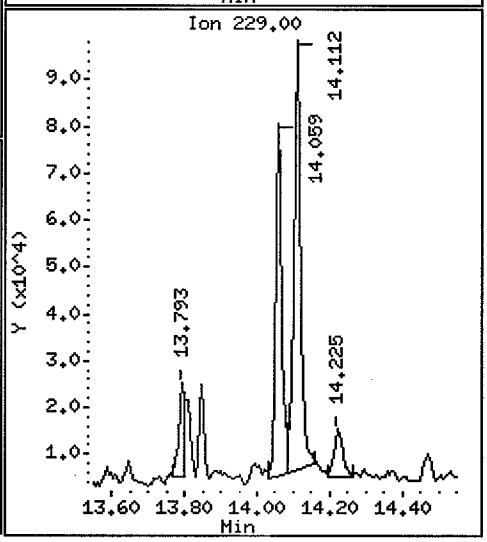












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

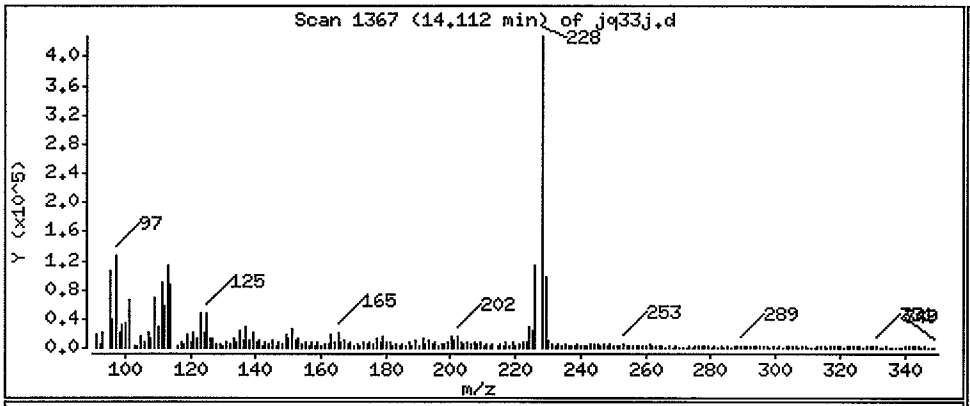
Operator: VTS

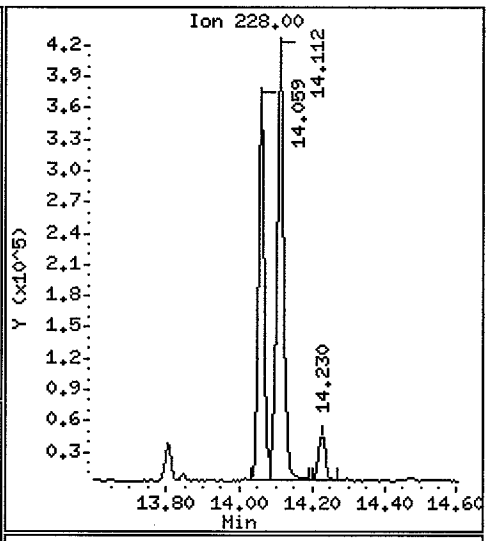
Column phase: ZB-5

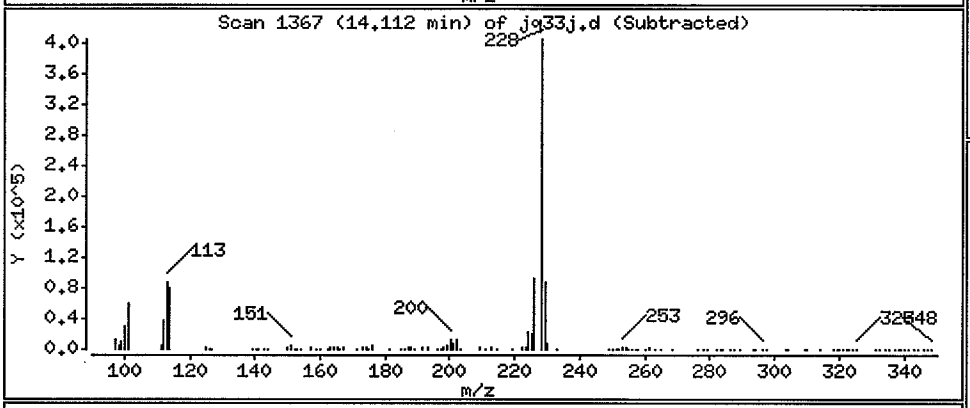
Column diameter: 0.25

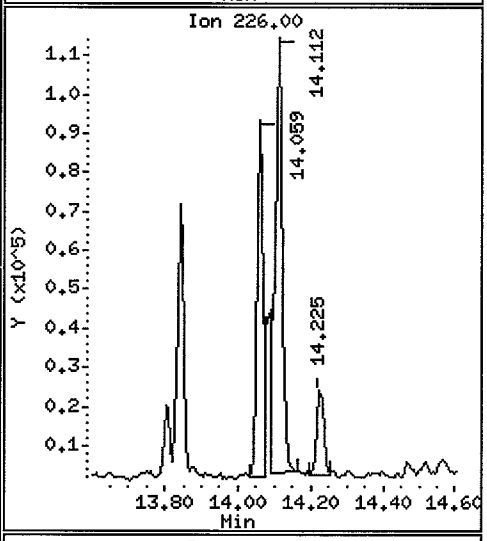
24 Chrysene

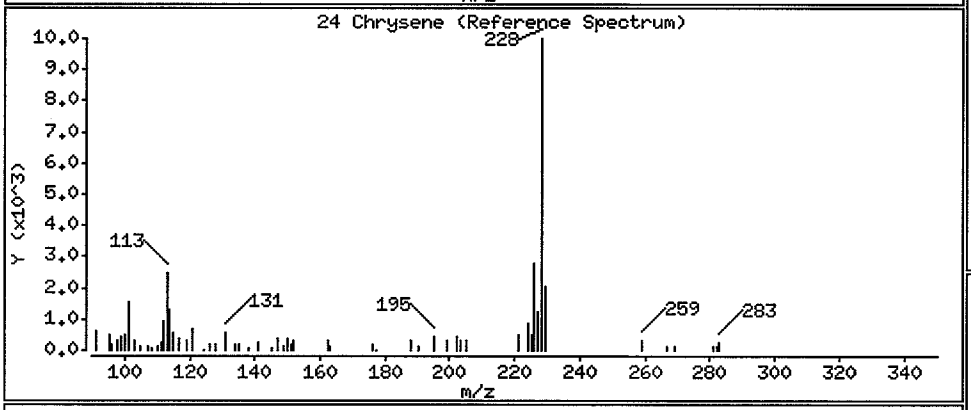
Concentration: 232.4 ug/kg

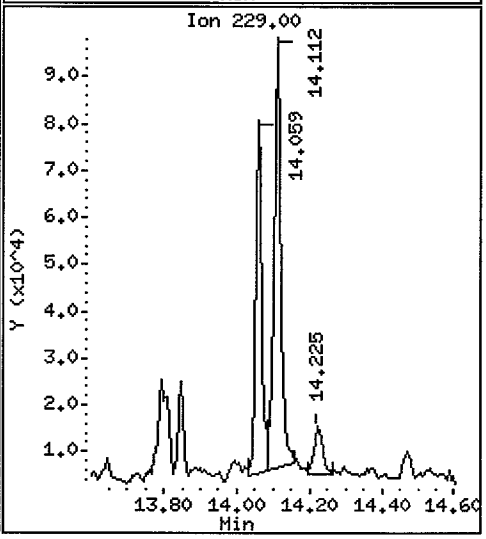


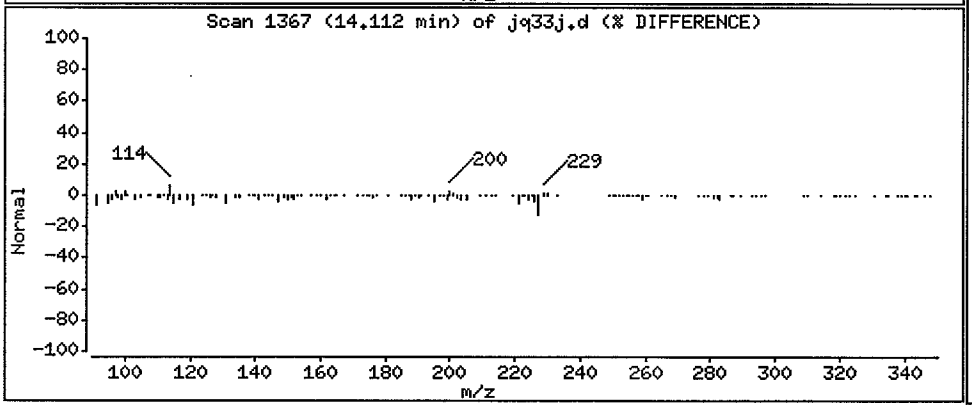












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

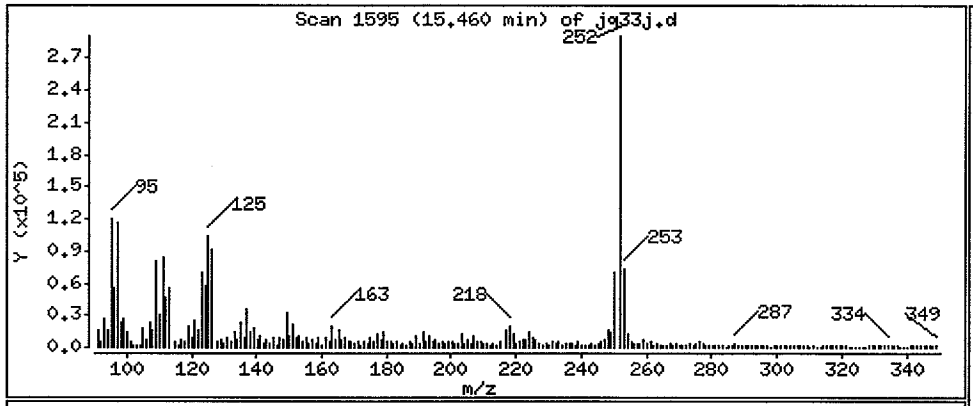
Operator: VTS

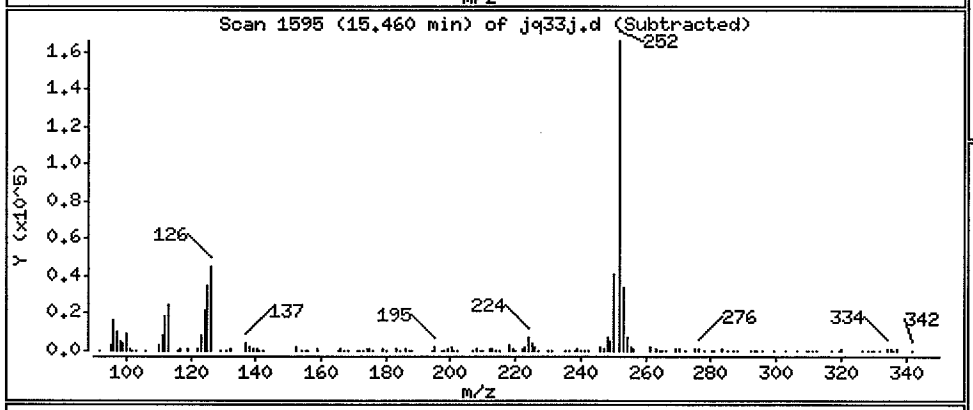
Column phase: ZB-5

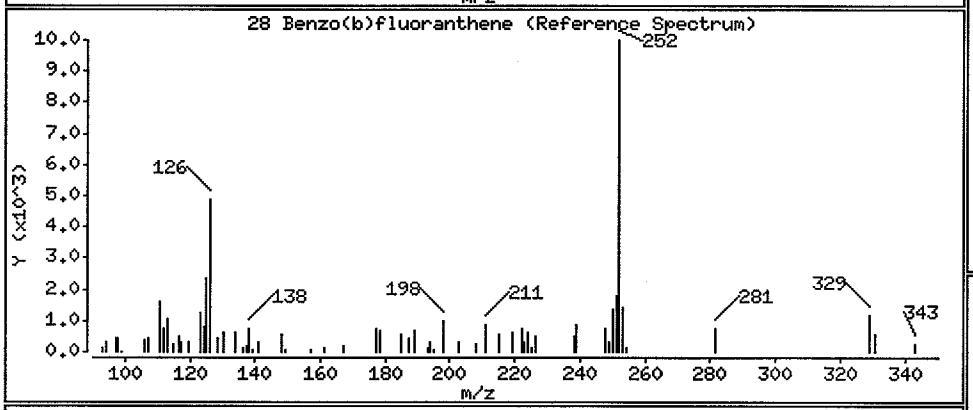
Column diameter: 0.25

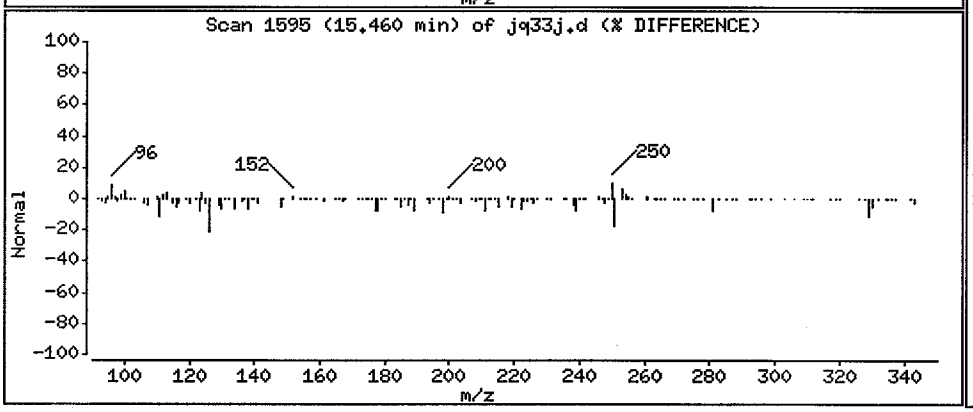
28 Benzo(b)fluoranthene

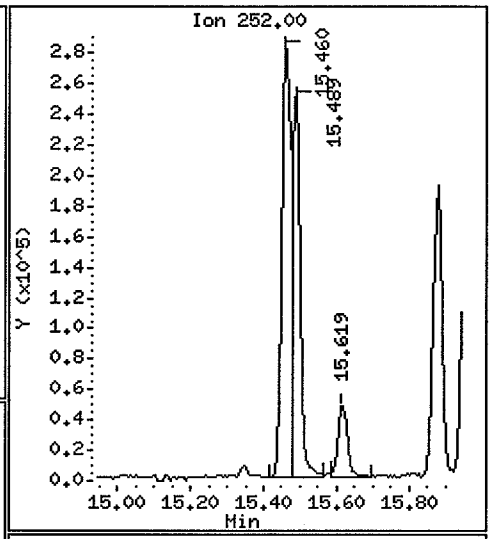
Concentration: 218.3 ug/kg

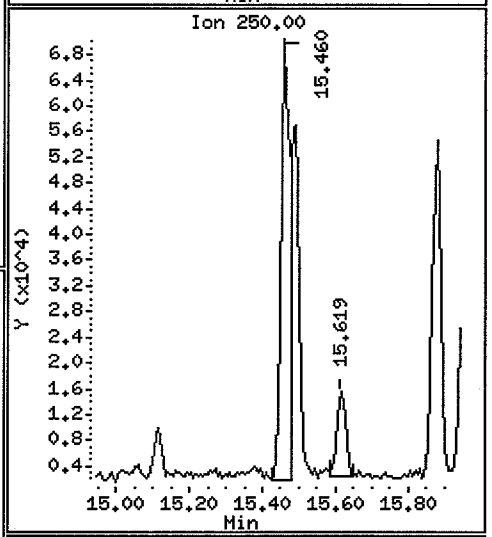


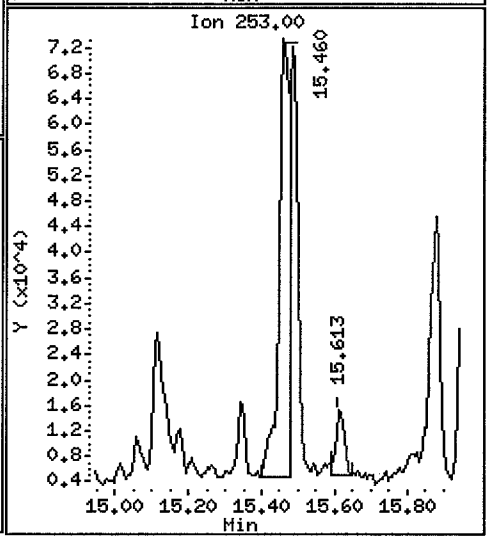












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

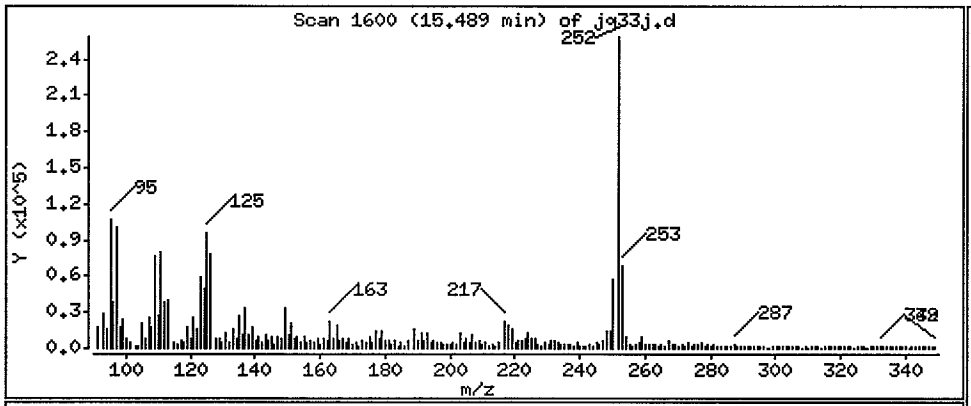
Operator: VTS

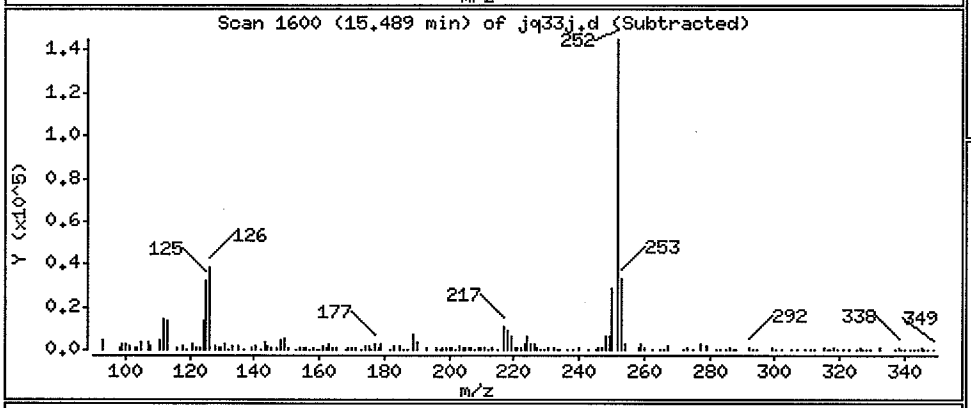
Column phase: ZB-5

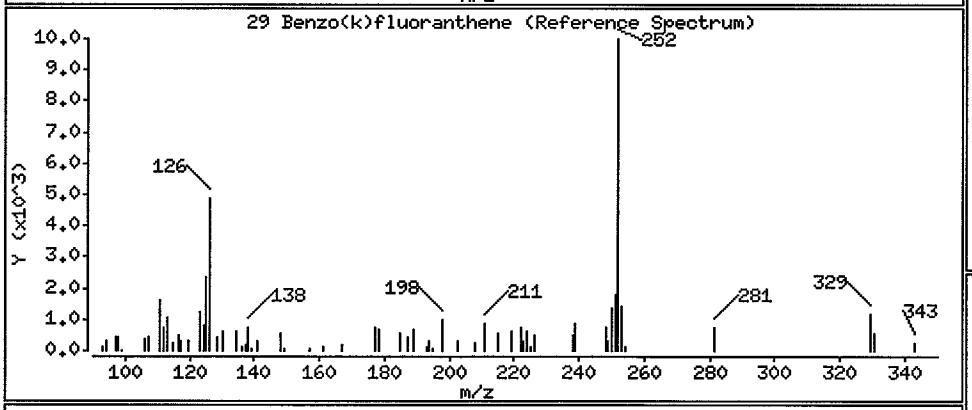
Column diameter: 0.25

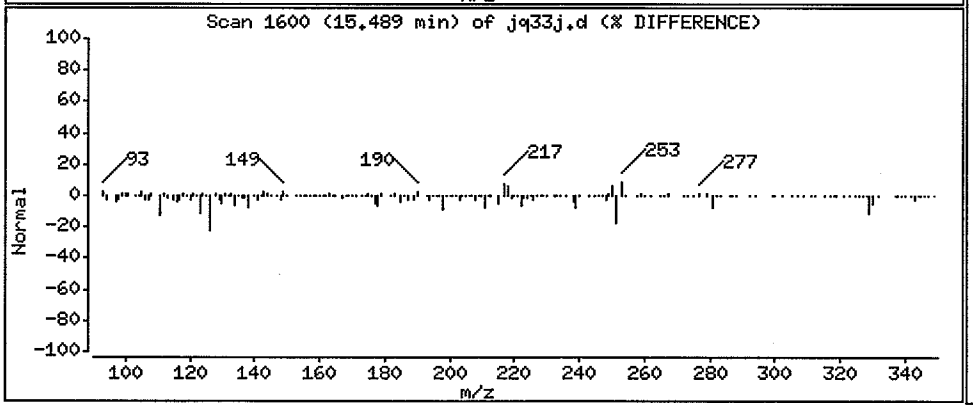
29 Benzo(k)fluoranthene

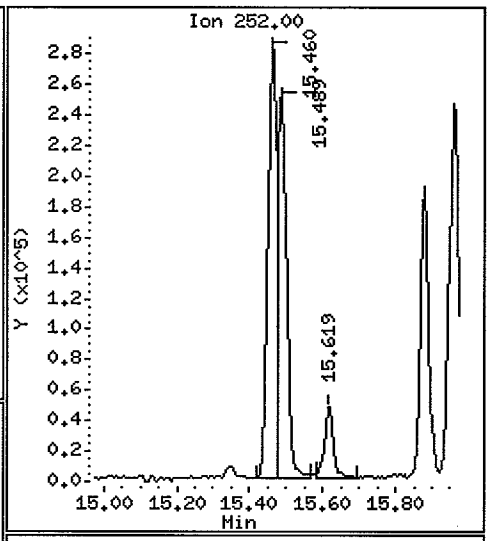
Concentration: 168.9 ug/kg

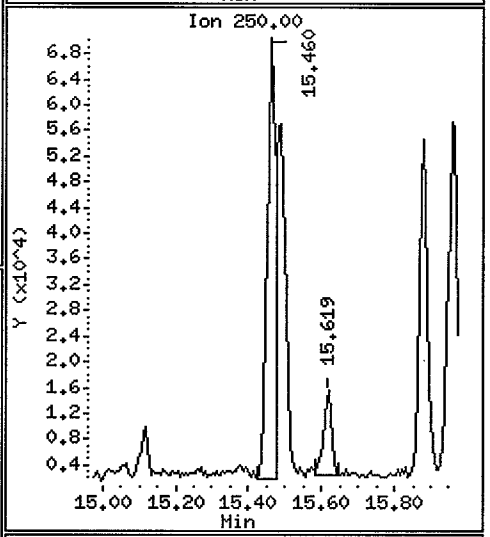


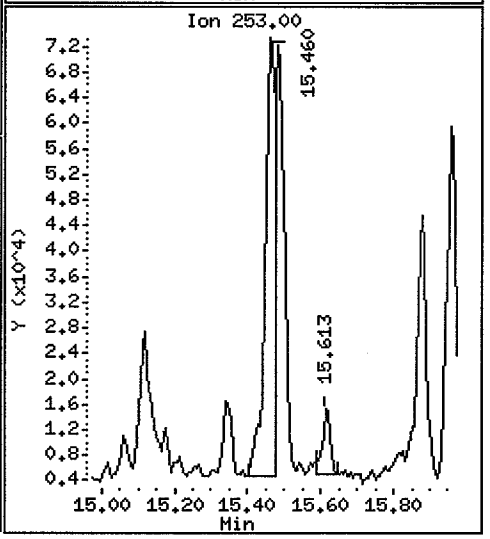












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

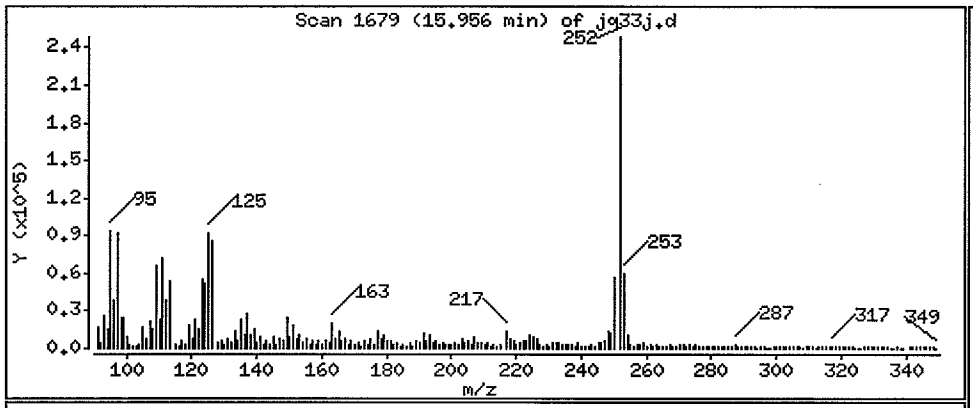
Operator: VTS

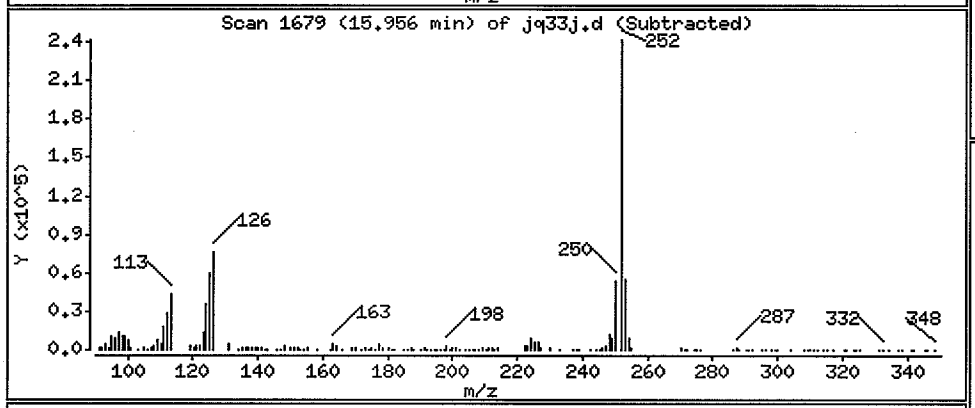
Column phase: ZB-5

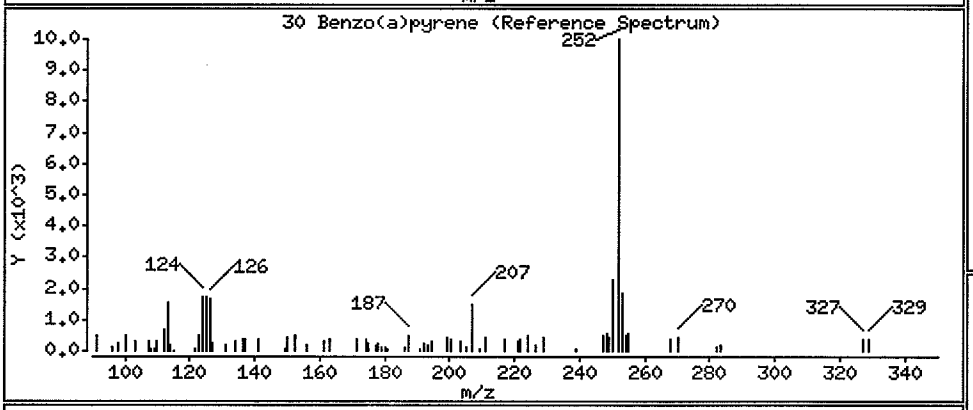
Column diameter: 0.25

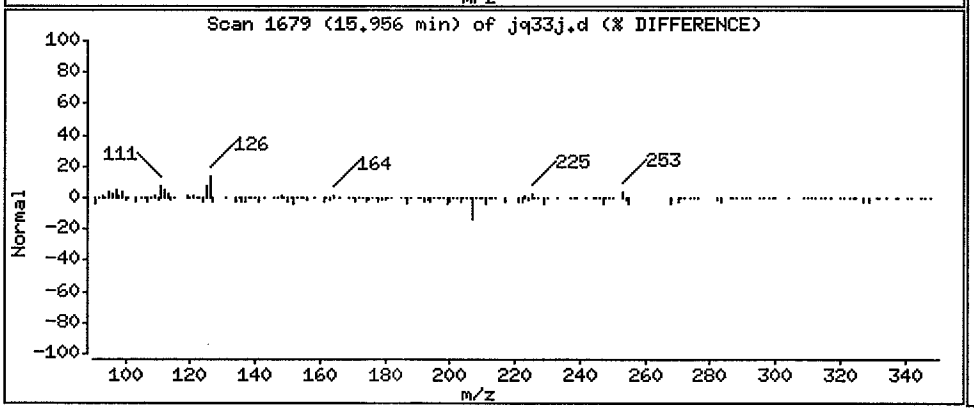
30 Benzo(a)pyrene

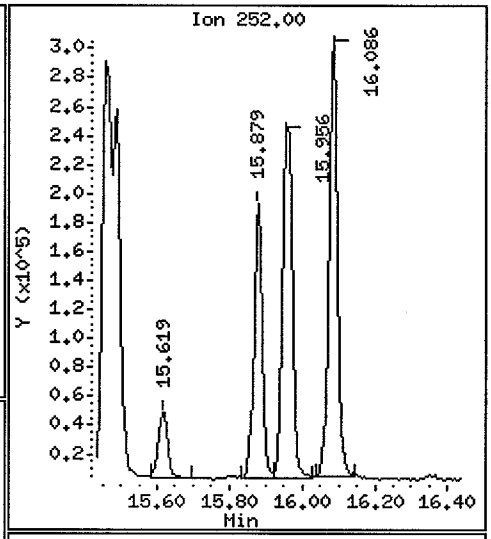
Concentration: 192.9 ug/kg

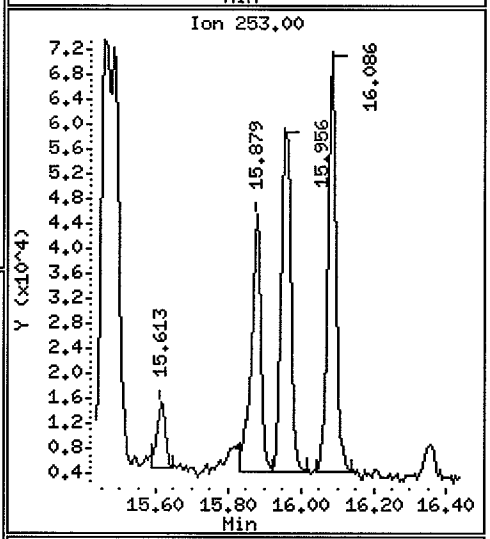


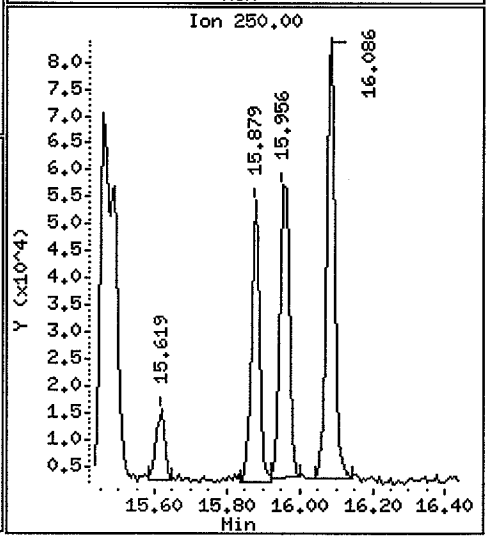












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

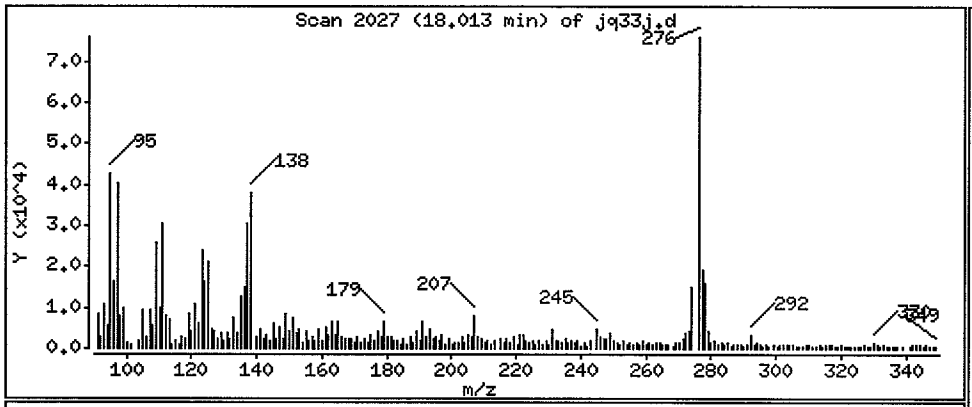
Operator: VTS

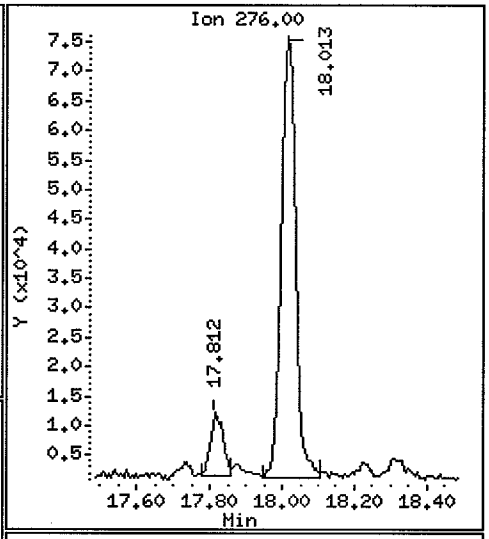
Column phase: ZB-5

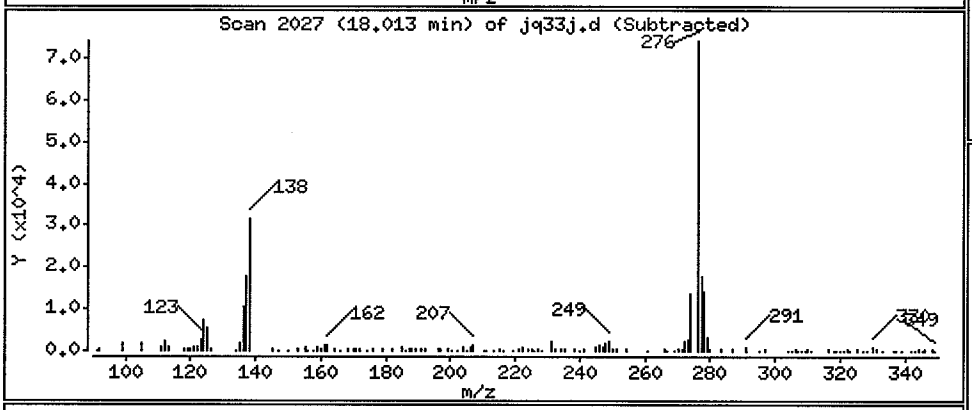
Column diameter: 0.25

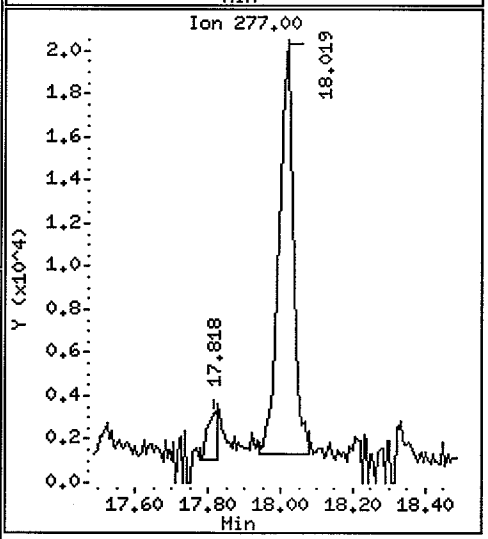
33 Indeno(1,2,3-cd)pyrene

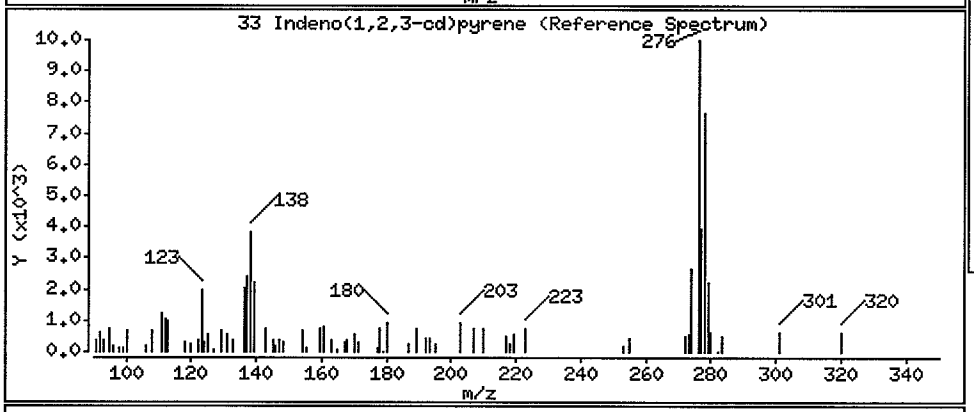
Concentration: 79.51 ug/kg

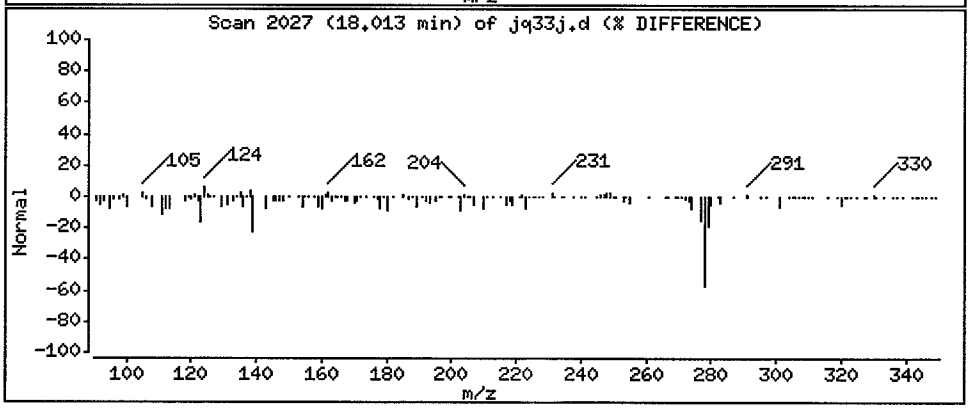












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

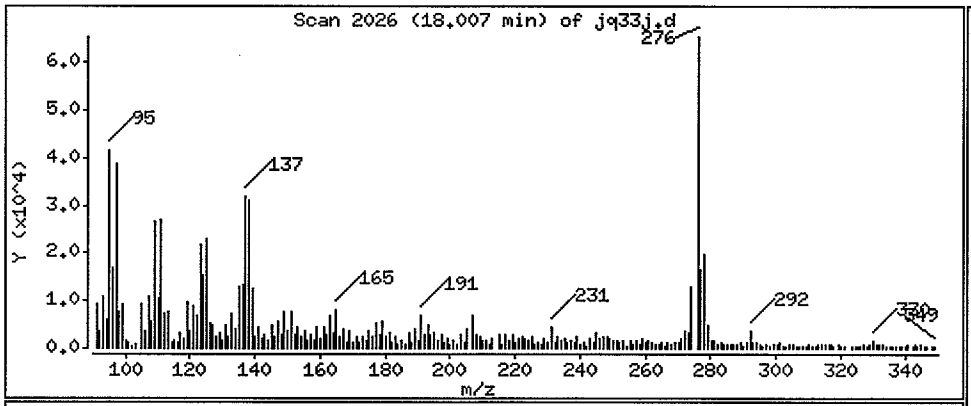
Operator: VTS

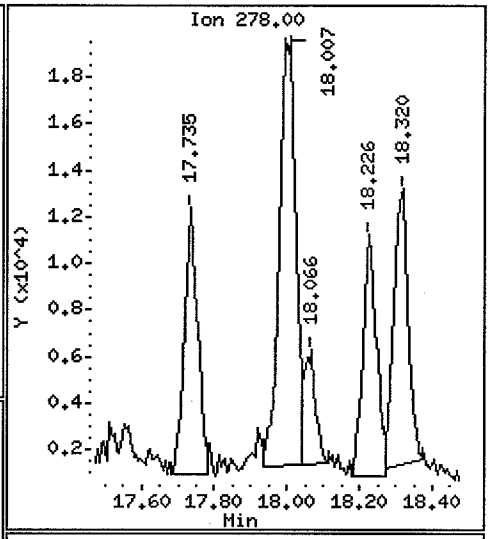
Column phase: ZB-5

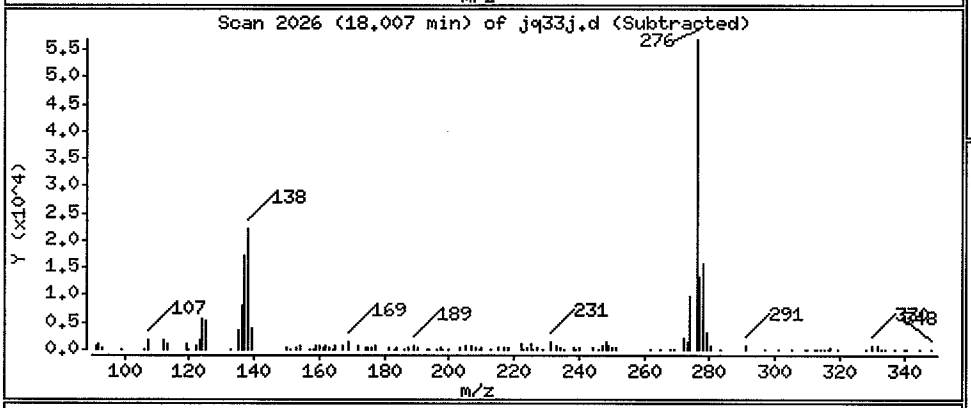
Column diameter: 0.25

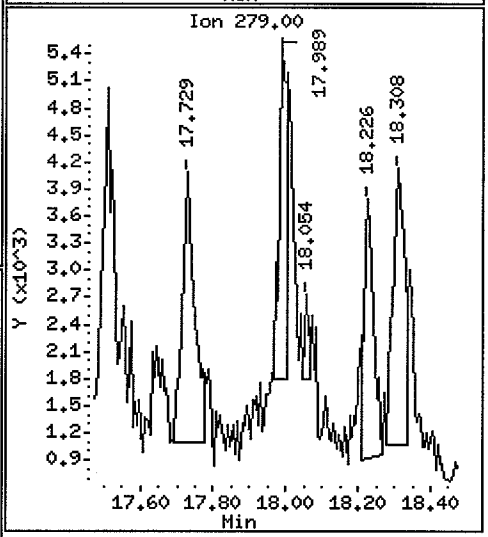
34 Dibenz(a,h)anthracene

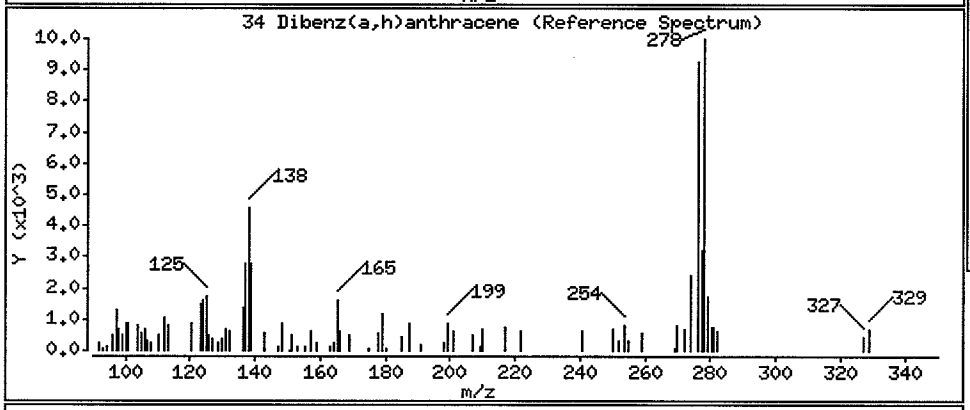
Concentration: 27.39 ug/kg

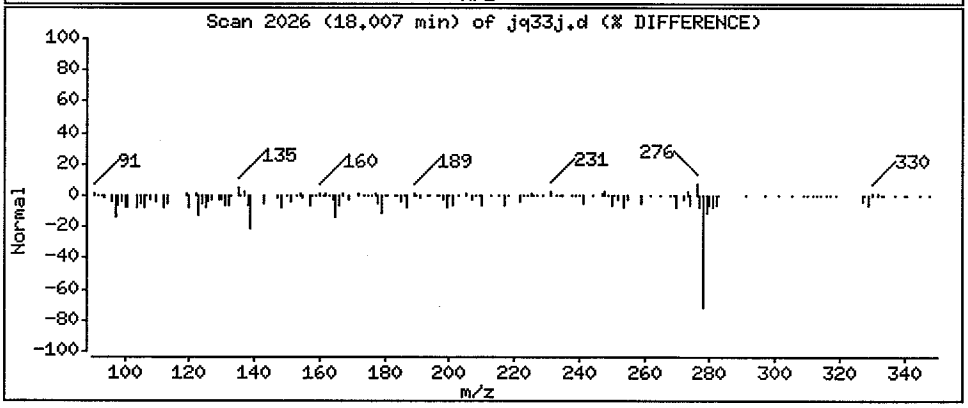












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

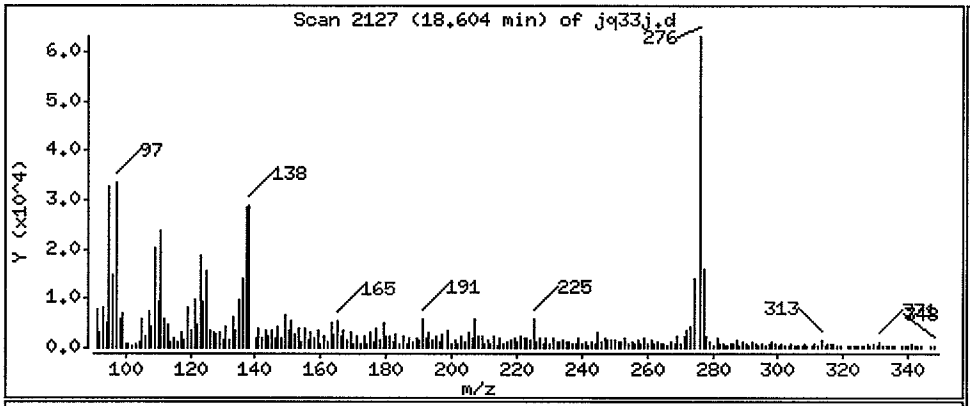
Operator: VTS

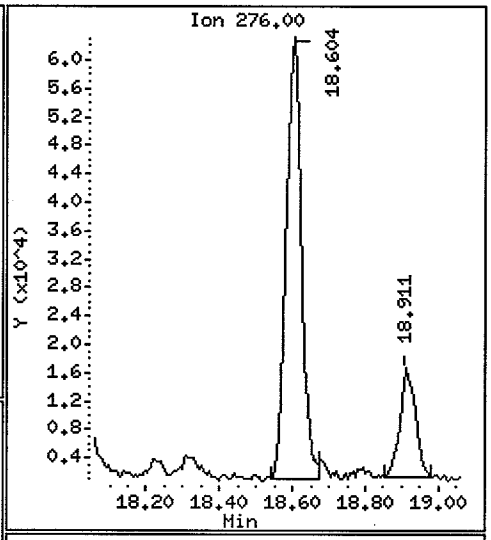
Column phase: ZB-5

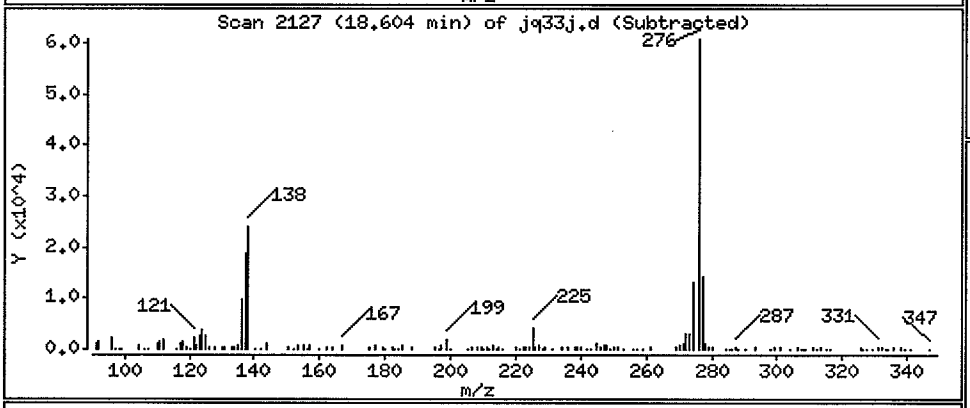
Column diameter: 0.25

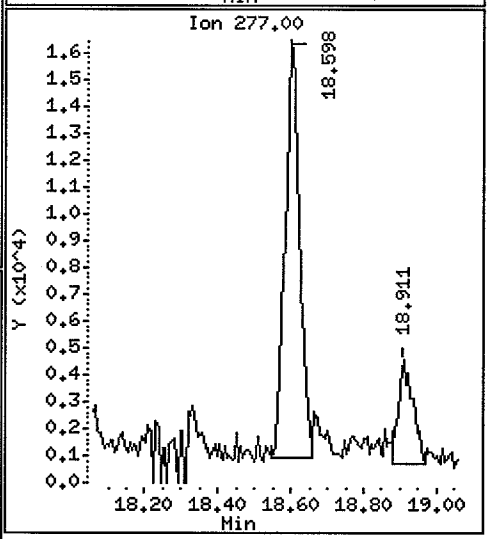
35 Benzo(g,h,i)perylene

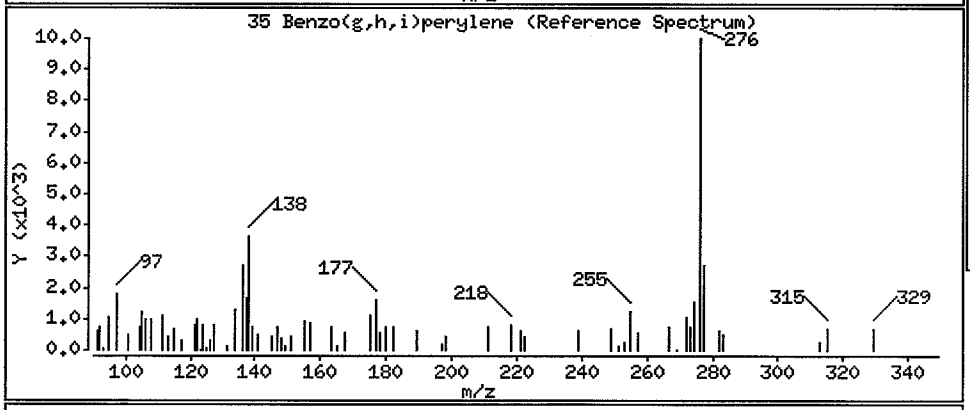
Concentration: 85.94 ug/kg

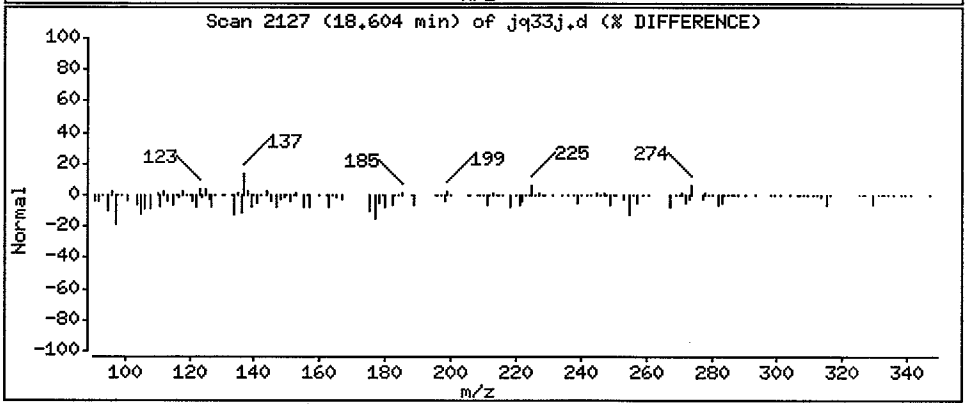












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

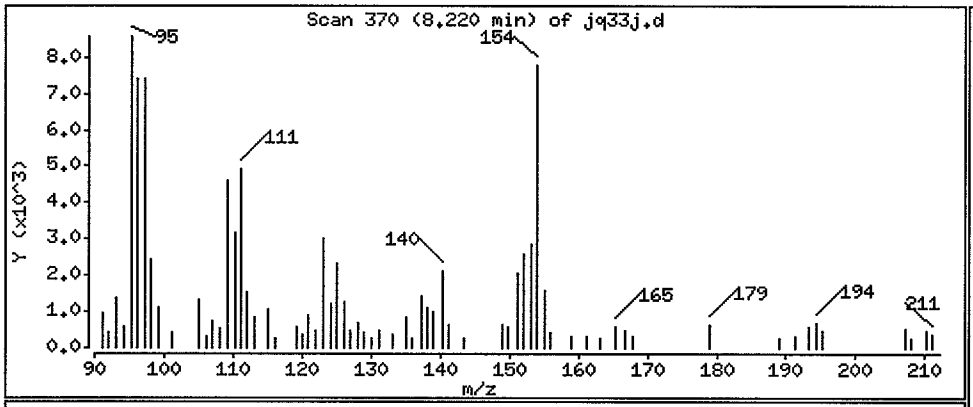
Operator: VTS

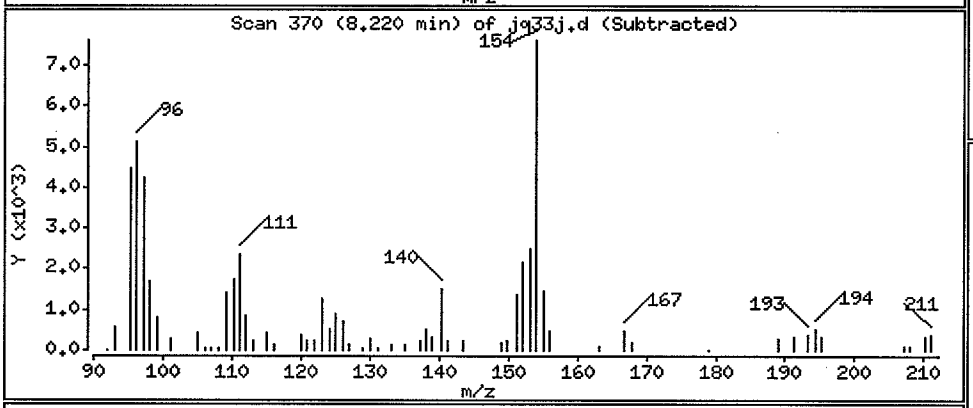
Column phase: ZB-5

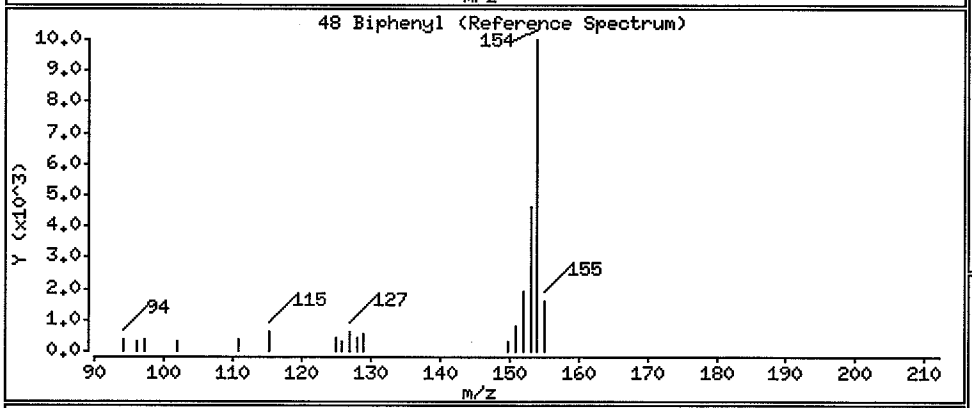
Column diameter: 0.25

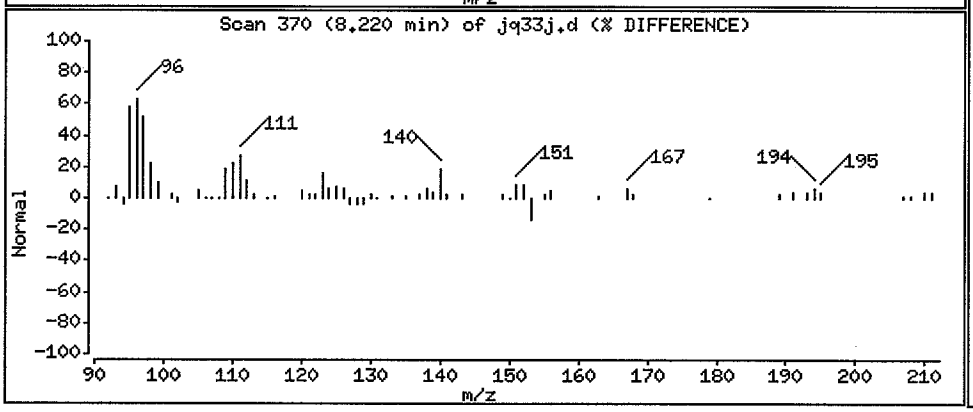
48 Biphenyl

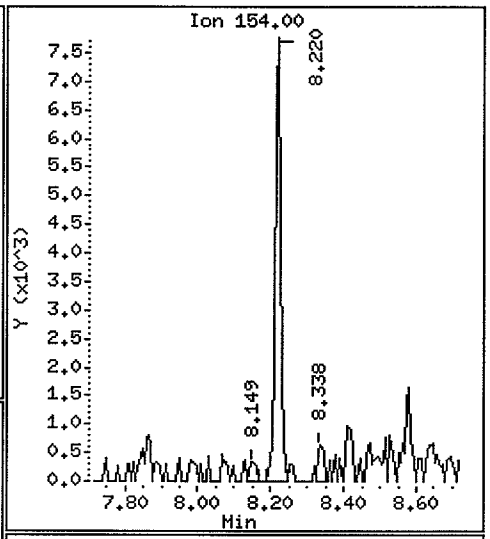
Concentration: 4.937 ug/kg

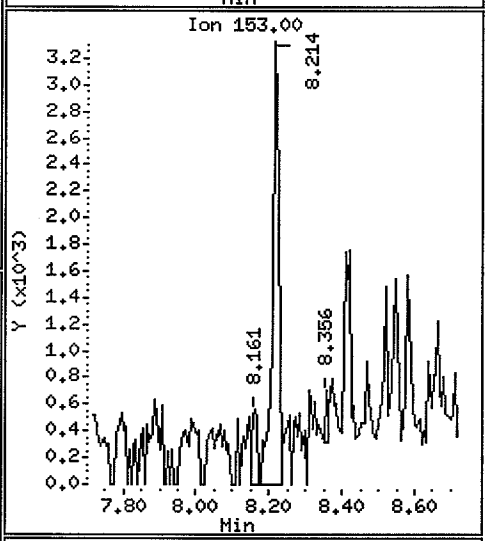


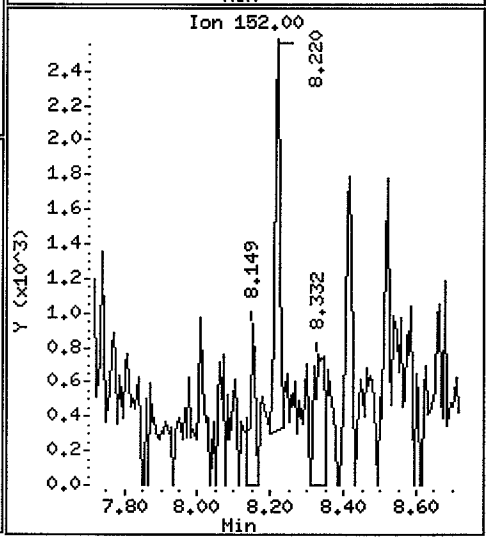












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

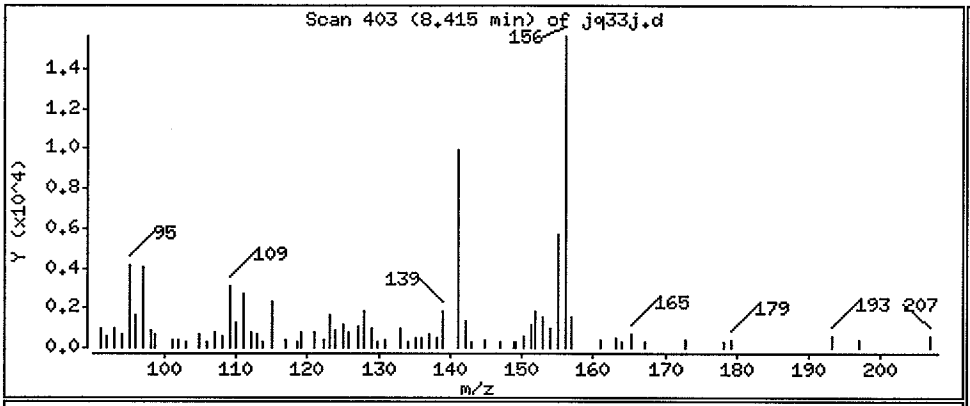
Operator: VTS

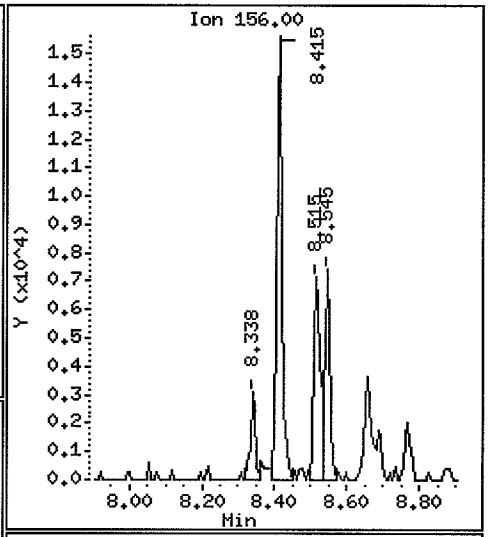
Column phase: ZB-5

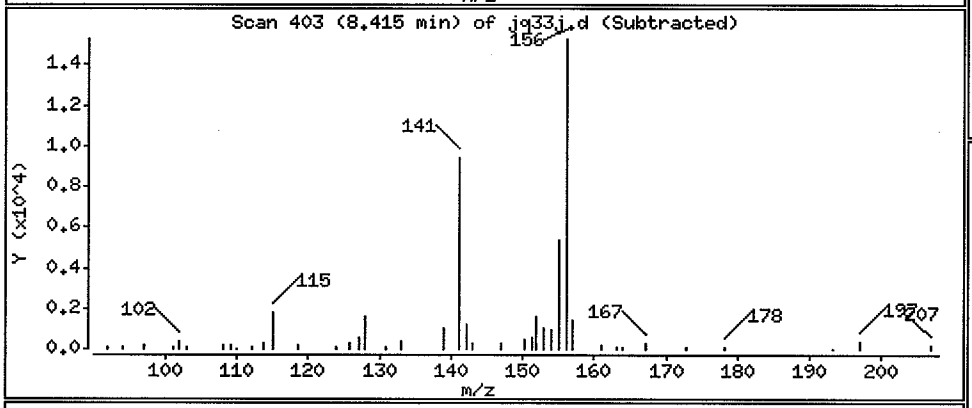
Column diameter: 0.25

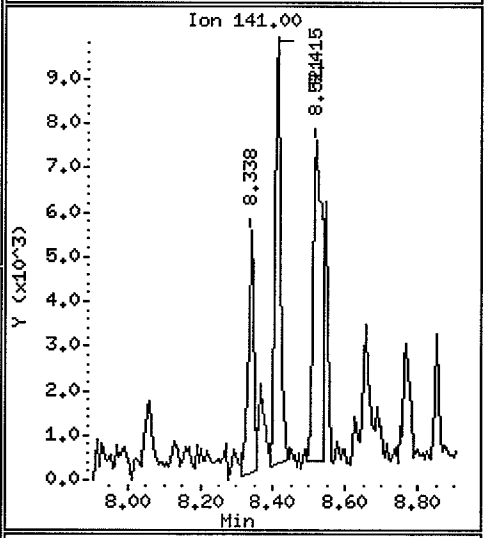
49 2,6-Dimethylnaphthalene

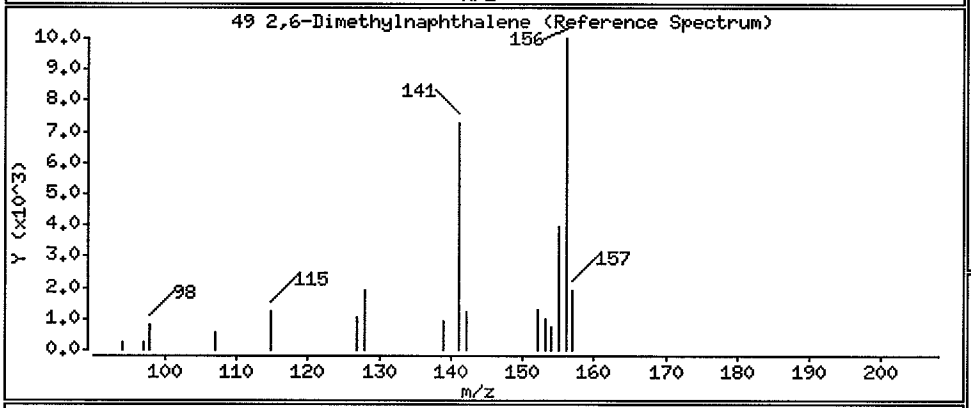
Concentration: 12.23 ug/kg

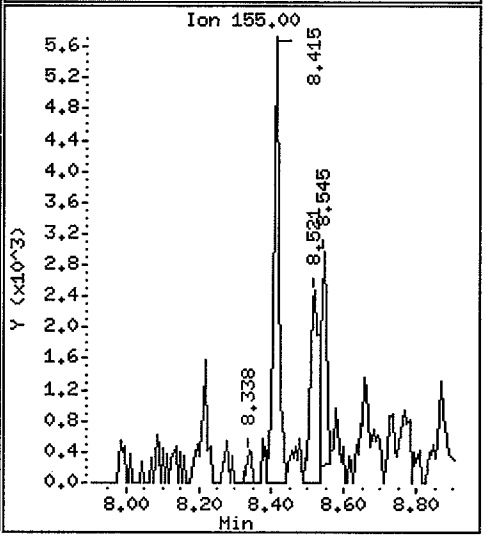


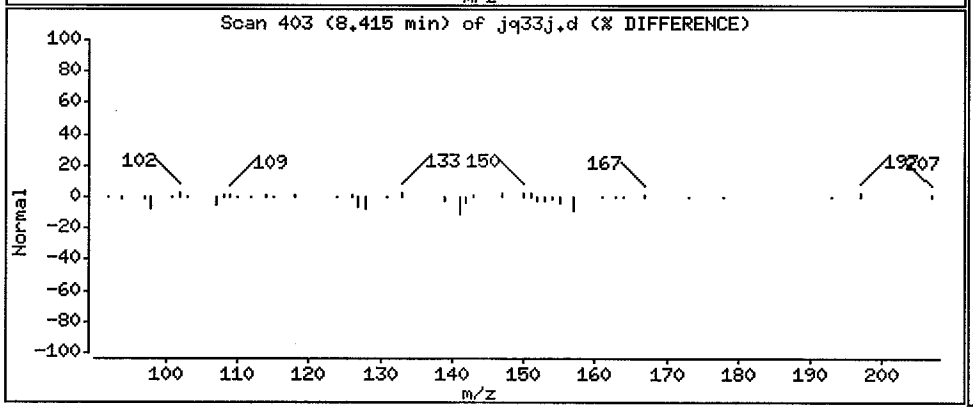












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

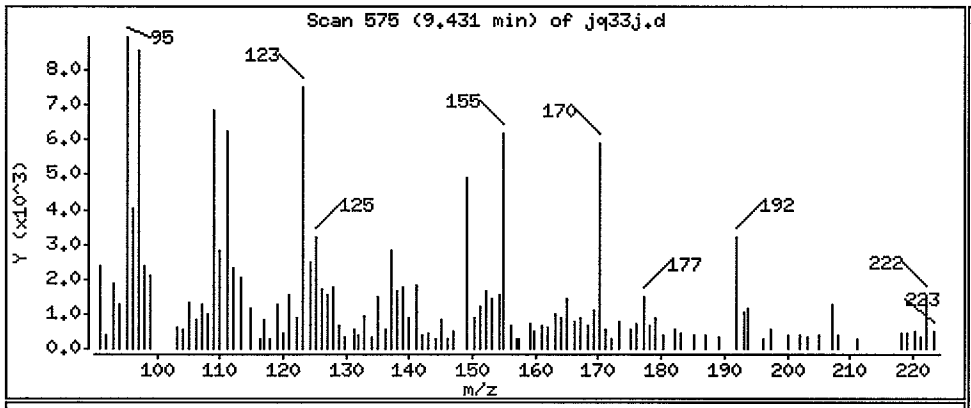
Operator: VTS

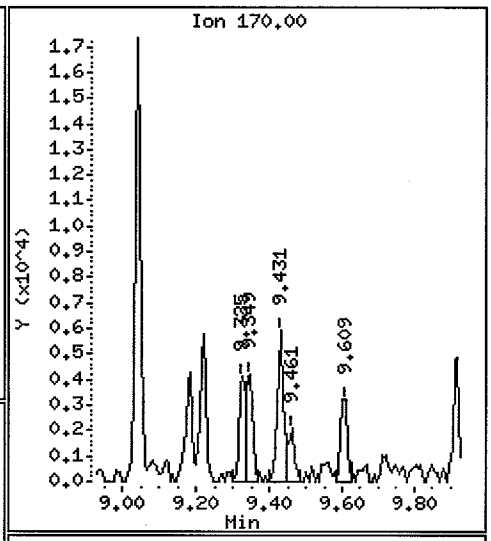
Column phase: ZB-5

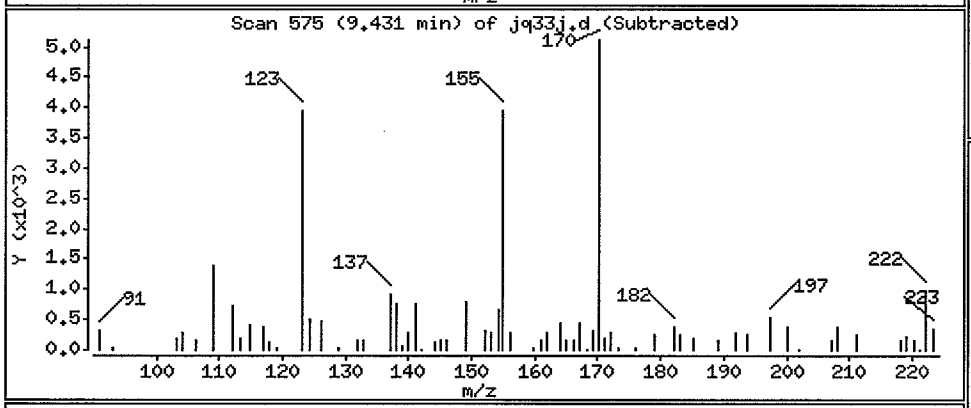
Column diameter: 0.25

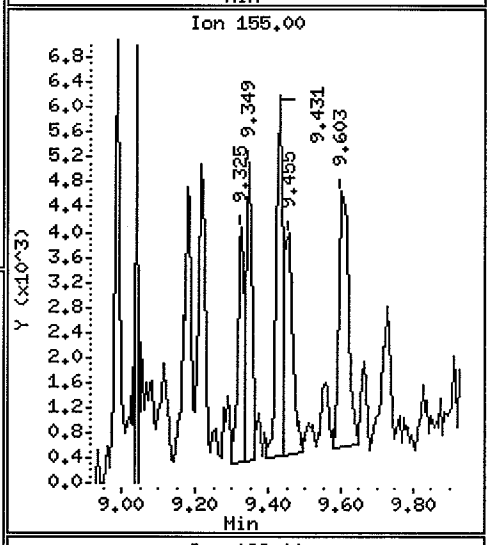
50 2,3,5-Trimethylnaphthalene

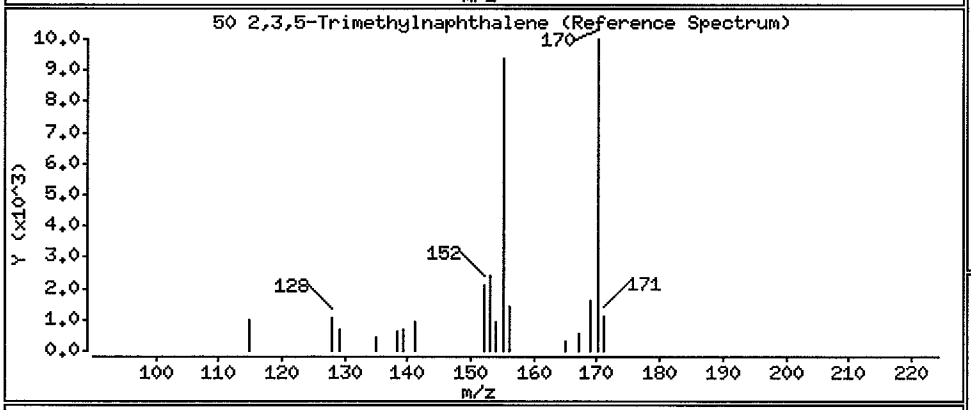
Concentration: 6.842 ug/kg

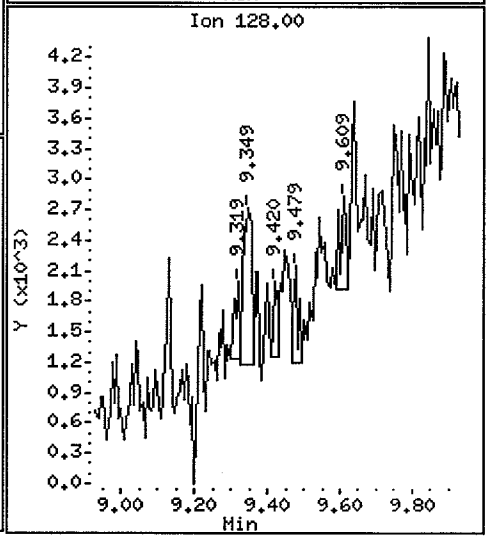


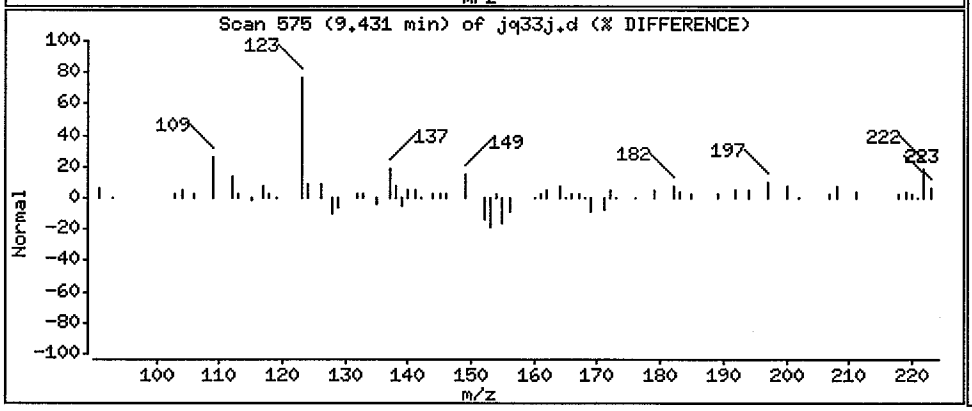












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

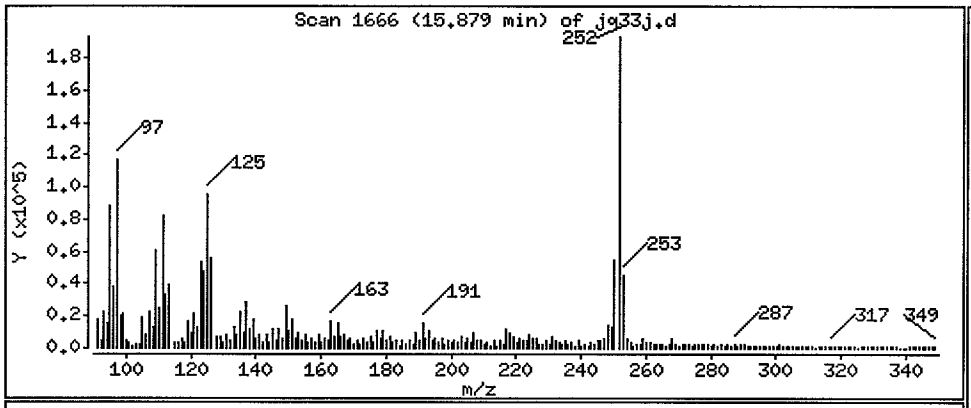
Operator: VTS

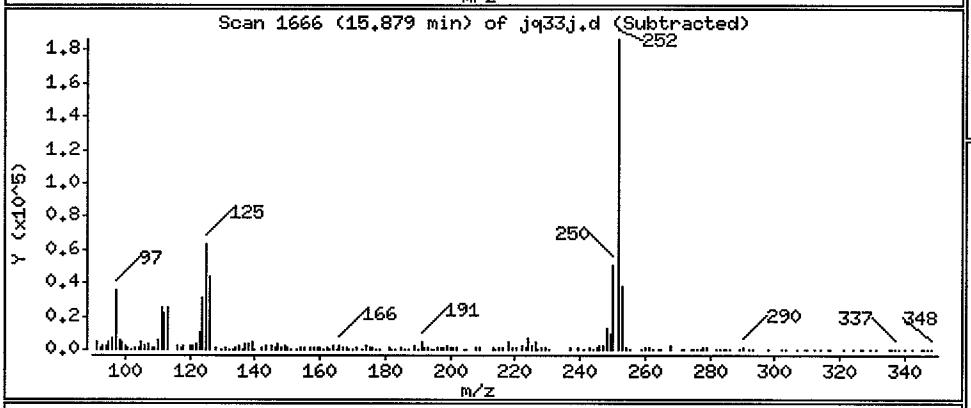
Column phase: ZB-5

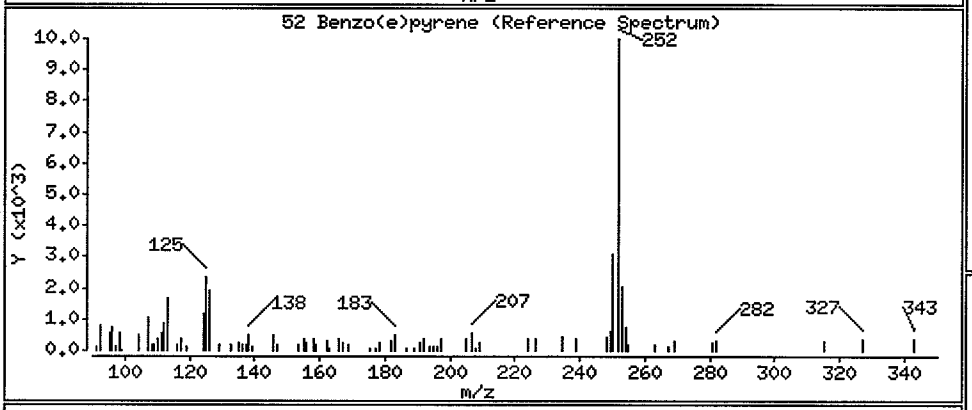
Column diameter: 0.25

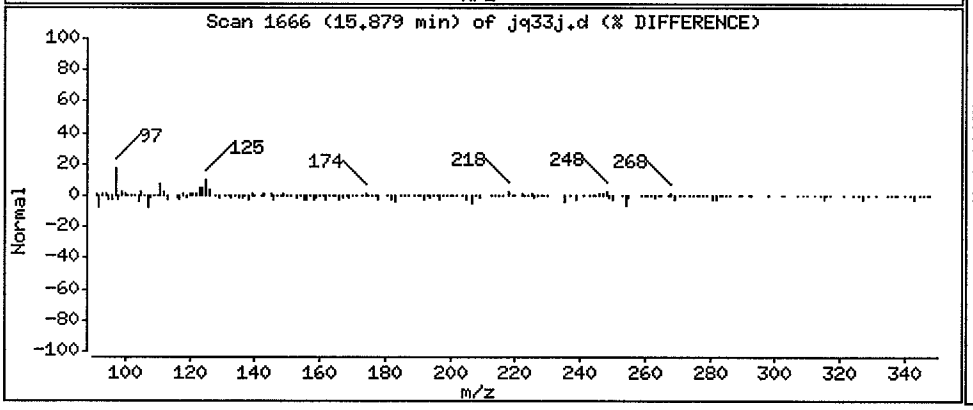
52 Benzo(e)pyrene

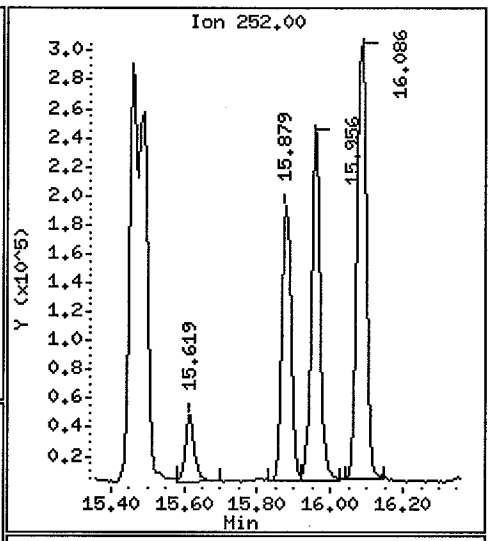
Concentration: 129.4 ug/kg

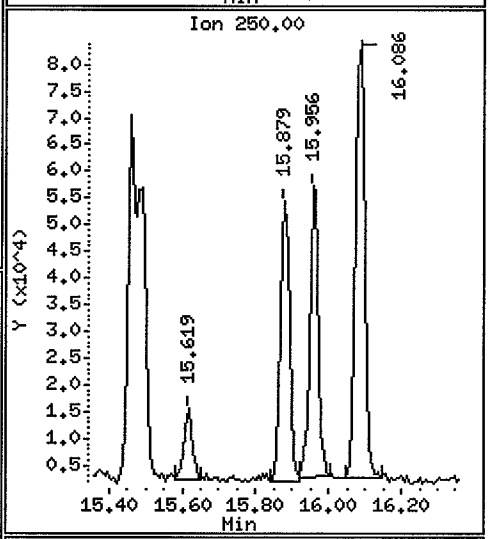


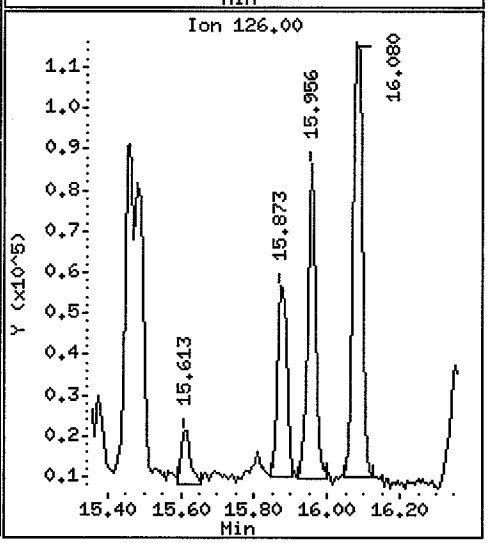












Data File: /chem3/nt1.i/20060804.b/jq33j.d

Date : 04-AUG-2006 19:05

Client ID: T4-B414-04-A

Instrument: nt1.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

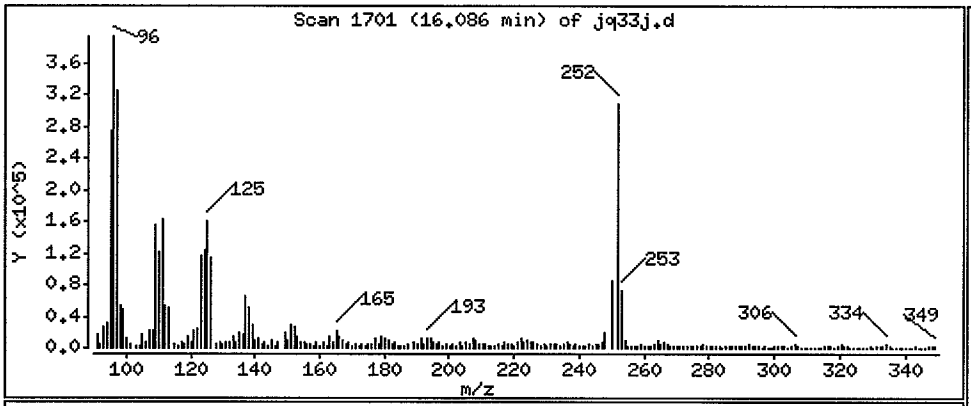
Operator: VTS

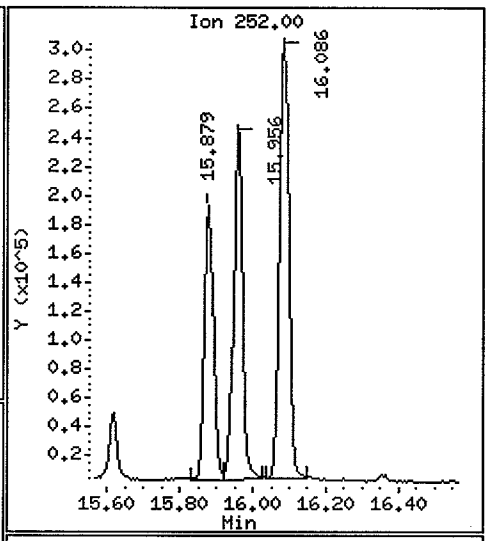
Column phase: ZB-5

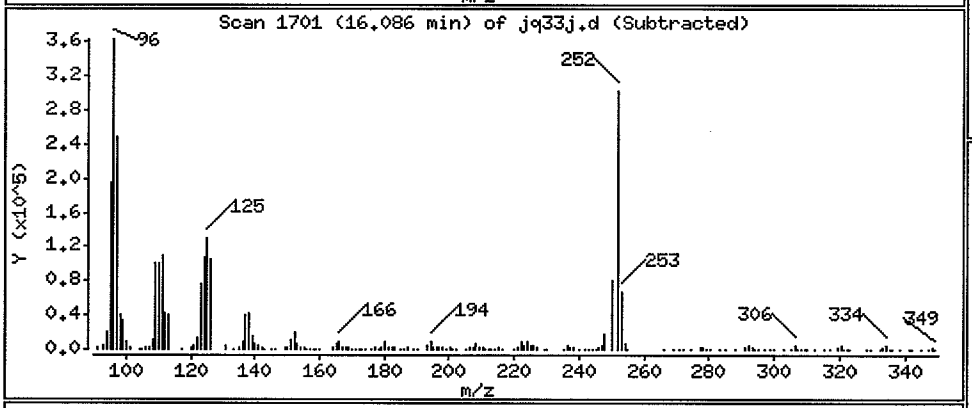
Column diameter: 0.25

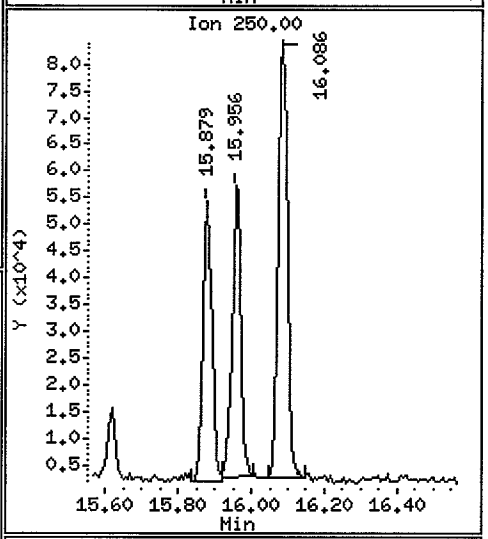
53 Perylene

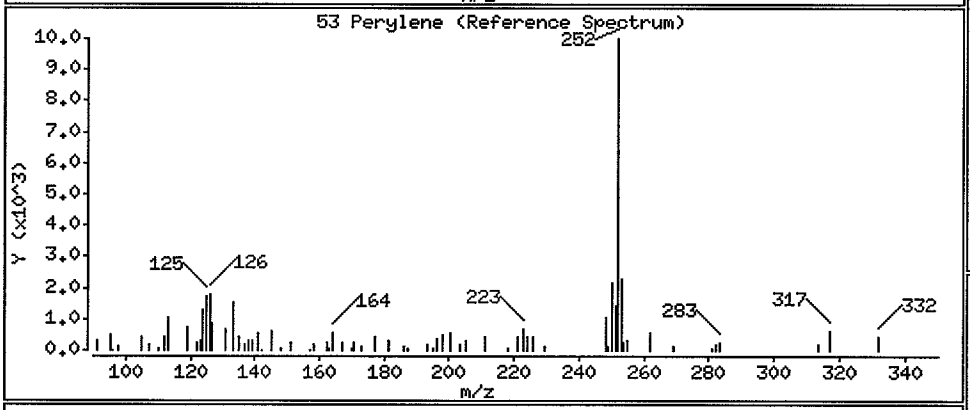
Concentration: 224.0 ug/kg

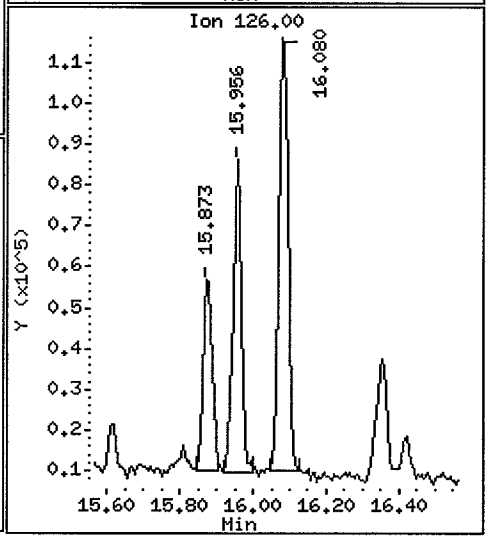


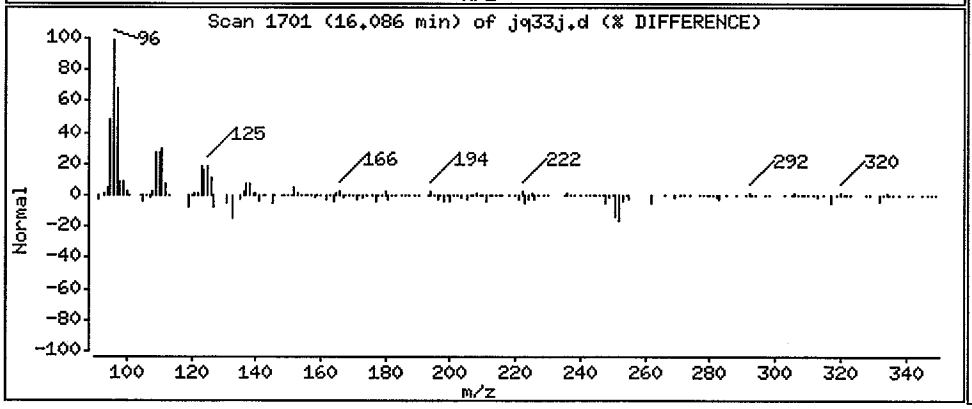












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-04-B
SAMPLE

Lab Sample ID: JQ33K
LIMS ID: 06-12933
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 19:30
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 47.1%
pH: 7.1

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	5.0	15	
91-57-6	2-Methylnaphthalene	5.0	8.9	
90-12-0	1-Methylnaphthalene	5.0	4.5	J
208-96-8	Acenaphthylene	5.0	5.9	
83-32-9	Acenaphthene	5.0	25	
86-73-7	Fluorene	5.0	19	
85-01-8	Phenanthrene	5.0	140	B
120-12-7	Anthracene	5.0	30	
206-44-0	Fluoranthene	5.0	300	
129-00-0	Pyrene	5.0	240	
56-55-3	Benzo(a)anthracene	5.0	140	
218-01-9	Chrysene	5.0	200	
205-99-2	Benzo(b)fluoranthene	5.0	200	
207-08-9	Benzo(k)fluoranthene	5.0	180	
50-32-8	Benzo(a)pyrene	5.0	180	
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	75	
53-70-3	Dibenz(a,h)anthracene	5.0	29	
191-24-2	Benzo(g,h,i)perylene	5.0	80	
198-55-0	Perylene	5.0	200	
92-52-4	Biphenyl	5.0	< 5.0	U
581-42-0	2,6-Dimethylnaphthalene	5.0	7.4	
832-69-9	1-Methylphenanthrene	5.0	12	
192-97-2	Benzo(e)pyrene	5.0	120	
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	5.4	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	66.3%
d14-Dibenzo(a,h)anthracen	47.3%

YZ 8/7/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33k.d
Lab Smp Id: JQ33K Client Smp ID: T4-B414-04-B
Inj Date : 04-AUG-2006 19:30
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33K
Misc Info : 06-12933
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	19.10000	Weight of sample extracted (g)
M	47.10000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.884	6.883	(1.000)	247787	2.00000	
	2 Naphthalene	128	6.908	6.907	(1.003)	37292	0.30173	14.93
$	3 2-Methylnaphthalene-d10	152	7.641	7.640	(1.110)	127184	1.99279	98.61
	4 2-Methylnaphthalene	142	7.682	7.681	(1.116)	13129	0.17937	8.876
	5 1-Methylnaphthalene	142	7.812	7.811	(1.135)	7130	0.09287	4.596
	7 Acenaphthylene	152	8.769	8.769	(0.980)	13295	0.11896	5.887
*	8 Acenaphthene-d10	164	8.947	8.946	(1.000)	134801	2.00000	
	9 Acenaphthene	153	8.988	8.987	(1.005)	34016	0.51392	25.43
	10 Dibenzofuran	168	9.177	9.170	(1.026)	20846	0.21381	10.58
	11 Fluorene	166	9.597	9.596	(1.073)	29341	0.38658	19.13
*	15 Phenanthrene-d10	188	10.761	10.760	(1.000)	225260	2.00000	
	16 Phenanthrene	178	10.791	10.790	(1.003)	320122	2.76869 B	137.0
	17 Anthracene	178	10.844	10.843	(1.008)	68835	0.59574	29.48
	19 Fluoranthene	202	12.286	12.279	(1.142)	717463	6.08370	301.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	20 Pyrene	202	12.576	12.569	(0.893)	699154	4.94009	244.5
	22 Benzo(a)anthracene	228	14.059	14.052	(0.998)	380910	2.86996	142.0
*	23 Chrysene-d12	240	14.083	14.070	(1.000)	220402	2.00000	
	24 Chrysene	228	14.112	14.105	(1.002)	493017	4.02733	199.3
	28 Benzo(b)fluoranthene	252	15.460	15.447	(0.964)	472068	4.01256	198.6
	29 Benzo(k)fluoranthene	252	15.483	15.476	(0.965)	450757	3.59387	177.8
	30 Benzo(a)pyrene	252	15.956	15.938	(0.994)	413812	3.60978	178.6
*	31 Perylene-d12	264	16.045	16.026	(1.000)	208456	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	18.007	17.988	(1.122)	199756	1.51524	74.98
$	32 Dibenz(a,h)anthrancene-d14	292	17.930	17.906	(1.117)	112881	1.41498	70.02
	34 Dibenz(a,h)anthracene	278	17.989	17.976	(1.121)	63100	0.58590	28.99
	35 Benzo(g,h,i)perylene	276	18.598	18.562	(1.159)	177694	1.62150	80.24
	48 Biphenyl	154	8.220	8.219	(0.919)	5517	0.06624	3.278
	49 2,6-Dimethylnaphthalene	156	8.415	8.408	(0.941)	9736	0.14842	7.345
	50 2,3,5-Trimethylnaphthalene	170	9.425	9.430	(1.054)	5945	0.11065	5.475
	51 1-Methylphenanthrene	192	11.565	11.564	(0.821)	22166	0.24569	12.16
	52 Benzo(e)pyrene	252	15.879	15.861	(0.990)	319969	2.52157	124.8
	53 Perylene	252	16.086	16.068	(1.003)	477311	4.00619	198.2

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33k.d
Lab Smp Id: JQ33K
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12933

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: T4-B414-04-B
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	247787	11.21
8 Acenaphthene-d10	123591	61796	247182	134801	9.07
15 Phenanthrene-d10	200797	100398	401594	225260	12.18
23 Chrysene-d12	171210	85605	342420	220402	28.73
31 Perylene-d12	183426	91713	366852	208456	13.65

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.01
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	0.00
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	0.00
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.04
31 Perylene-d12	16.03	15.53	16.53	16.04	0.11

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

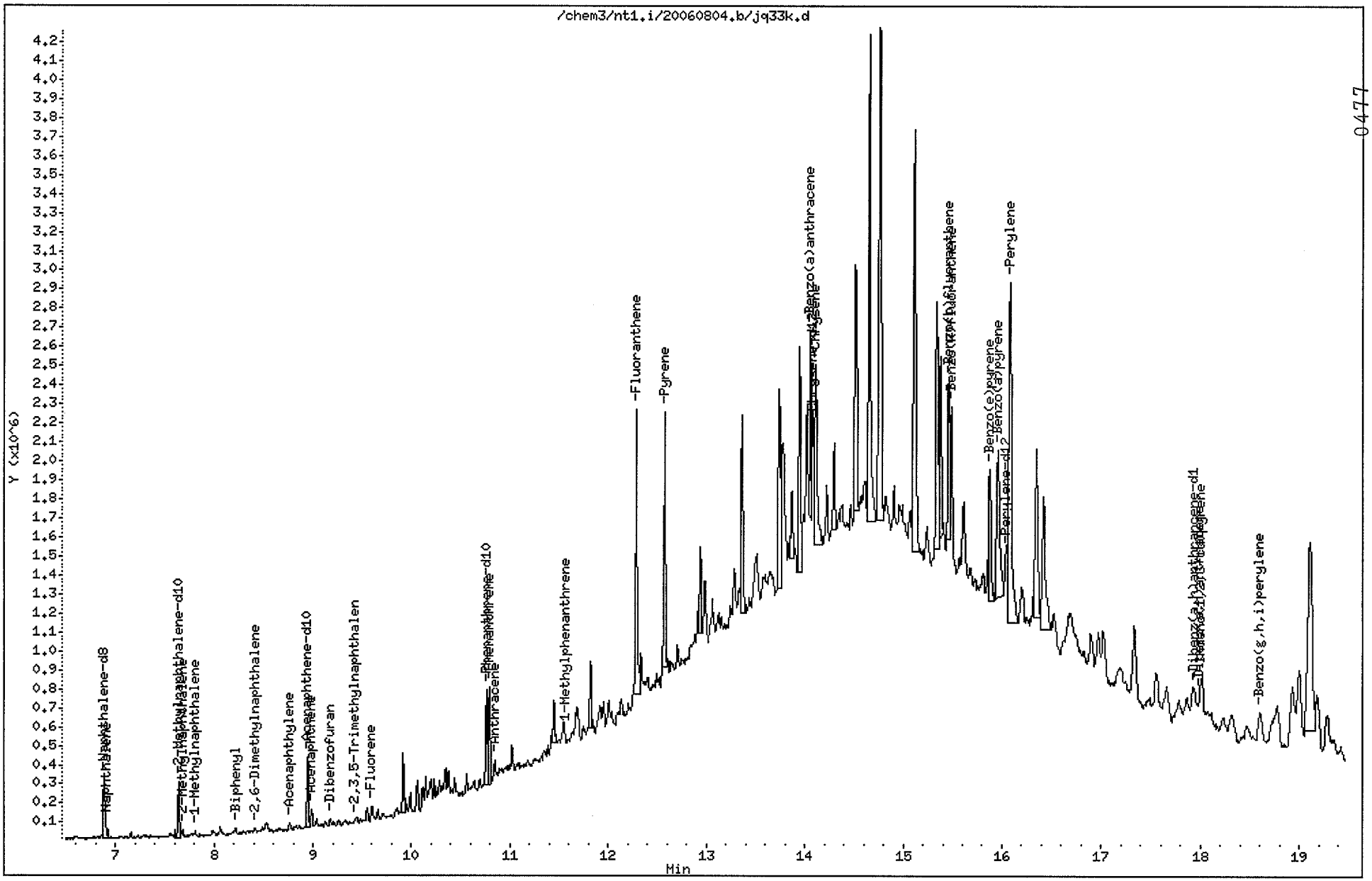
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33K
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12933

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-04-B
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	148.5	98.61	66.43	32-97
$ 32 Dibenz(a,h)anthran	148.5	70.02	47.17	21-105

Data File: /chem3/nt1.i/20060804.b/jq33k.d
Date : 04-AUG-2006 19:30
Client ID: T4-B414-04-B
Sample Info: JQ33K
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

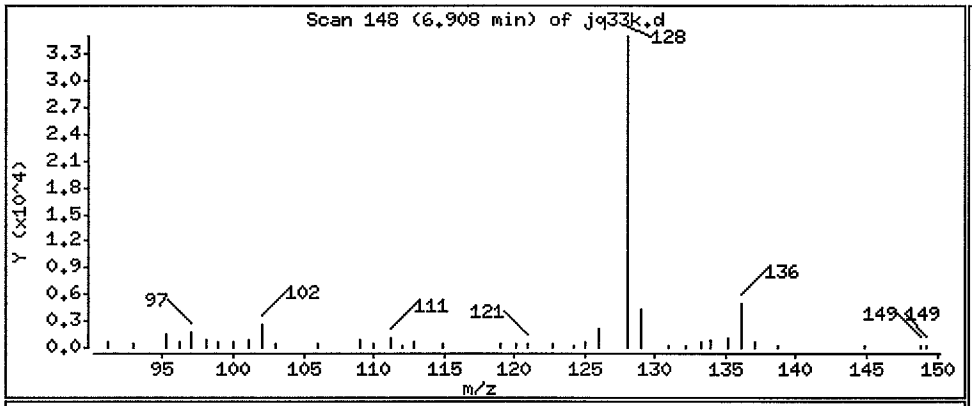
Operator: VTS

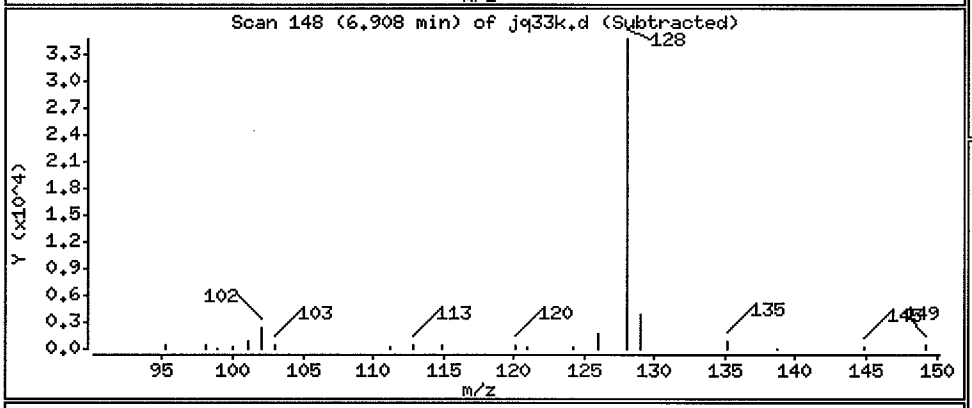
Column phase: ZB-5

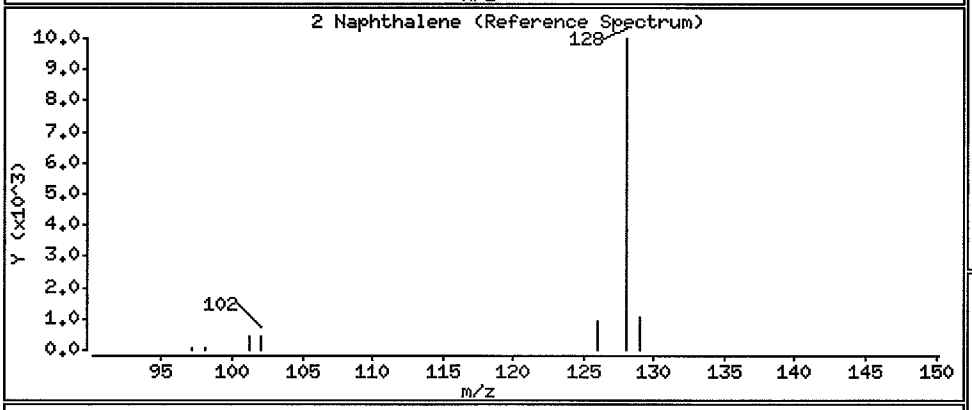
Column diameter: 0.25

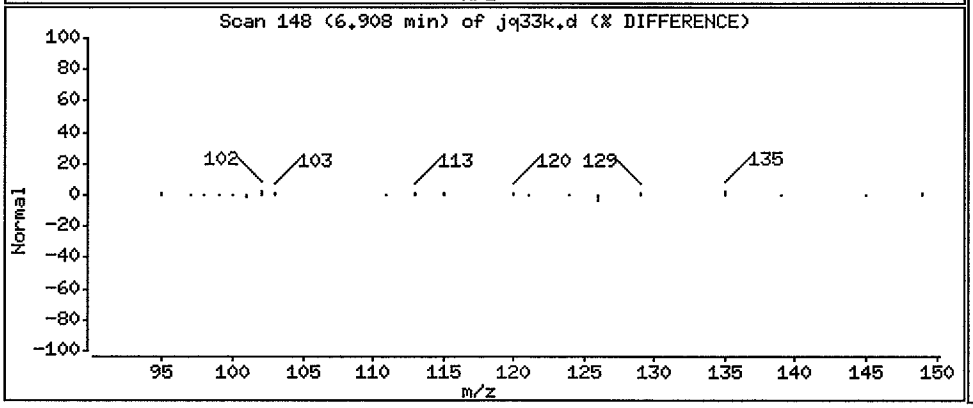
2 Naphthalene

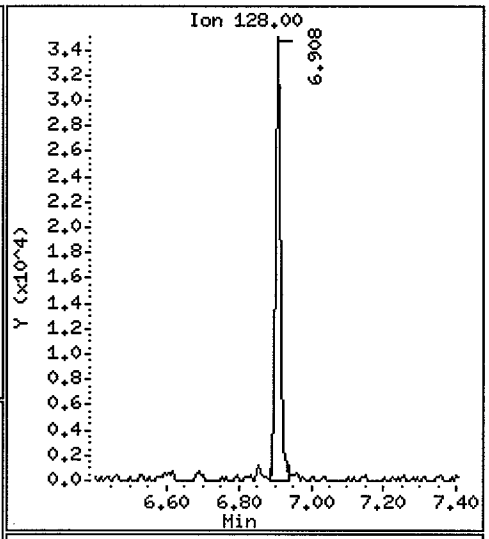
Concentration: 14.93 ug/kg

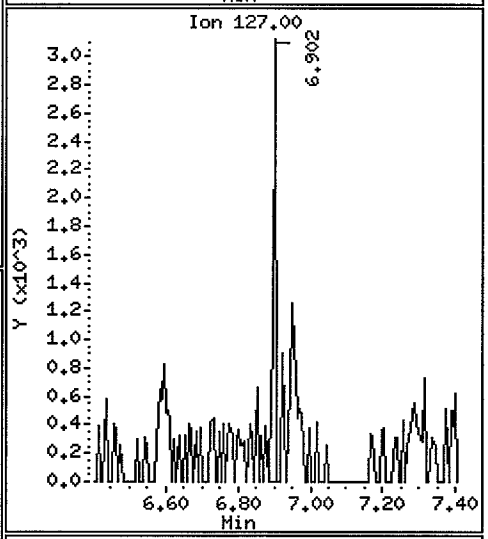


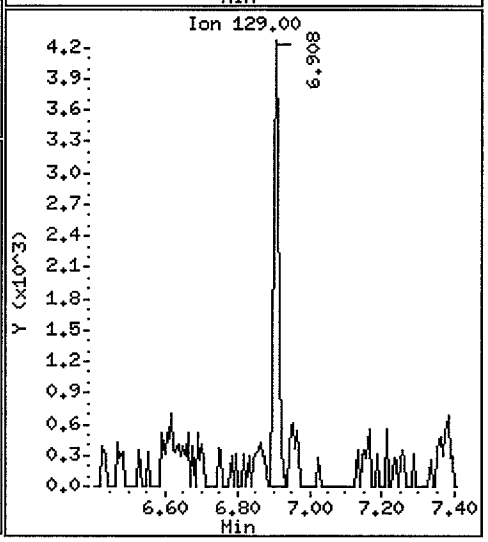












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

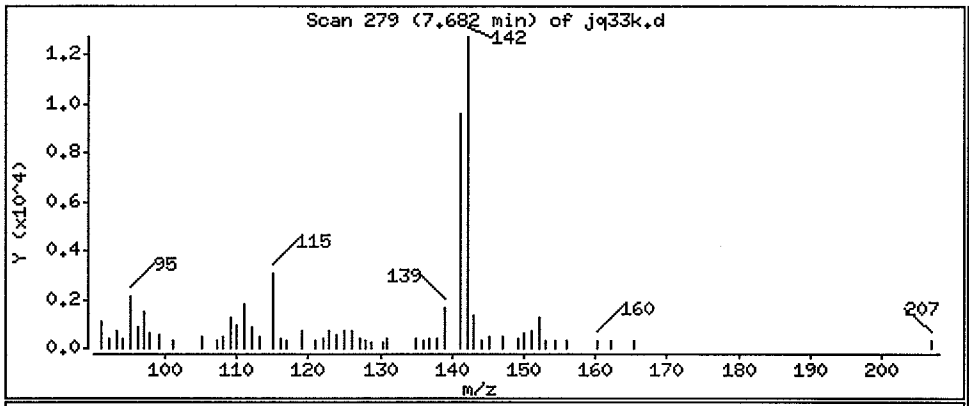
Operator: VTS

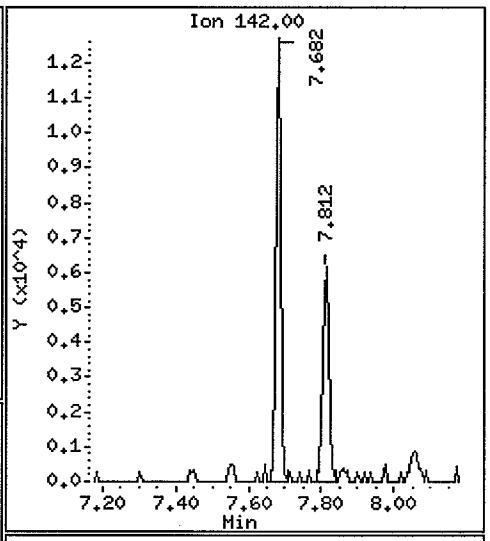
Column phase: ZB-5

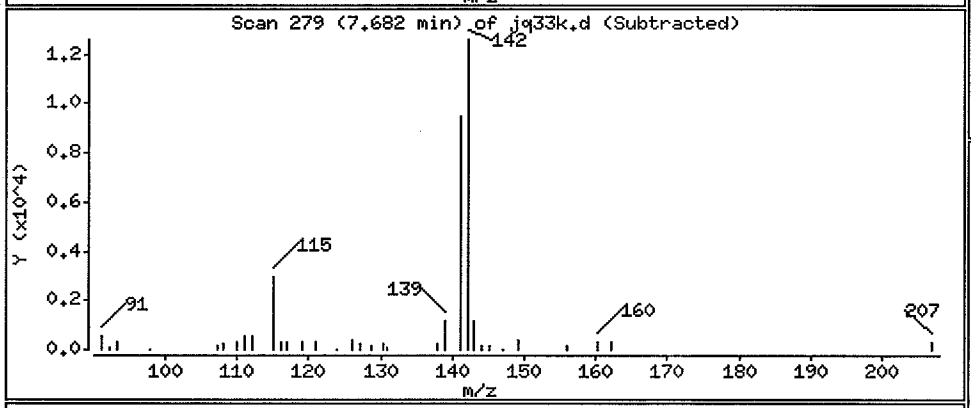
Column diameter: 0.25

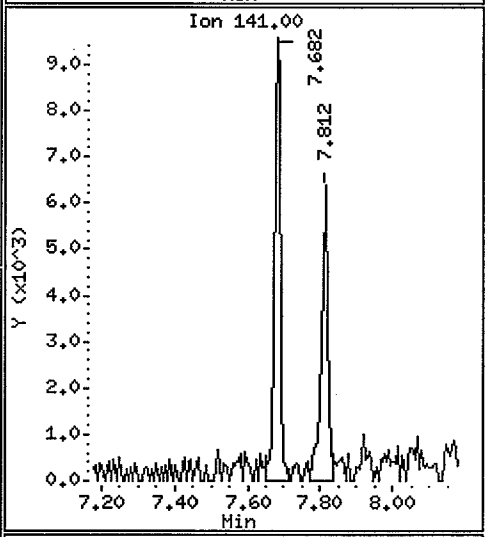
4 2-Methylnaphthalene

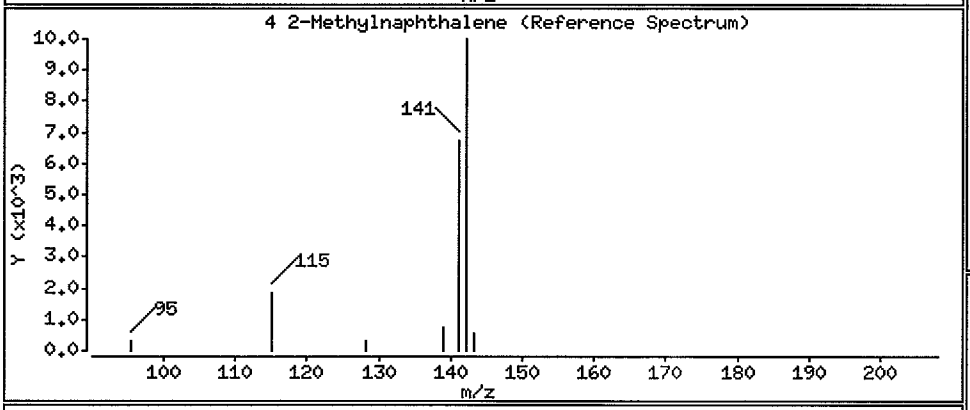
Concentration: 8.876 ug/kg

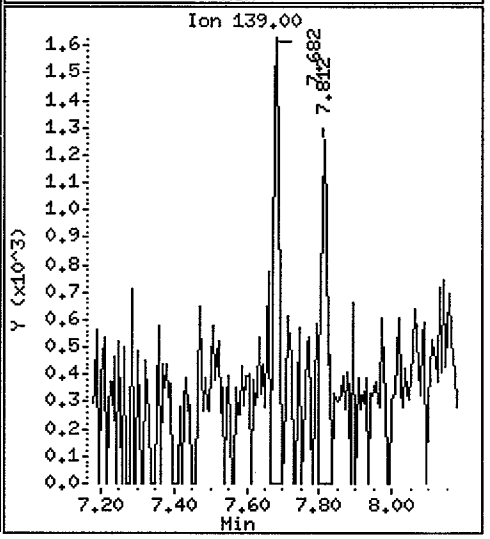


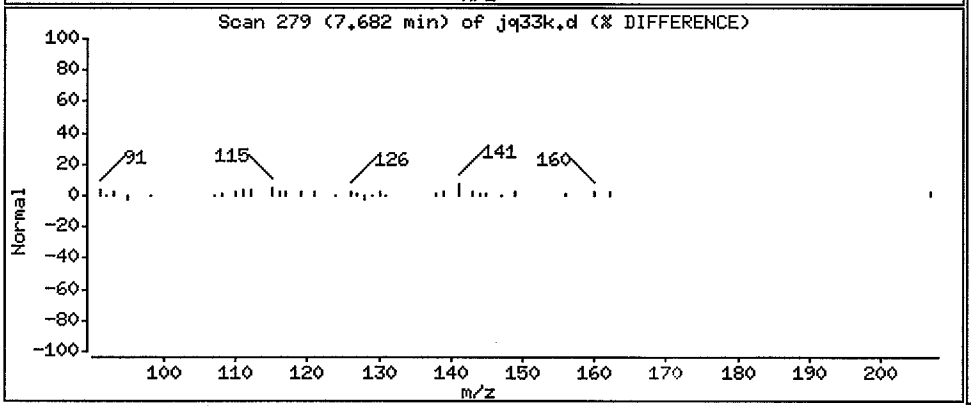












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

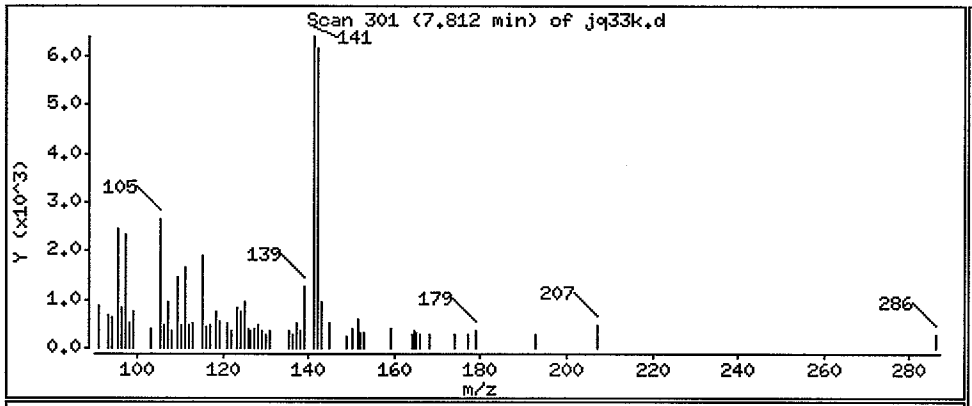
Operator: VTS

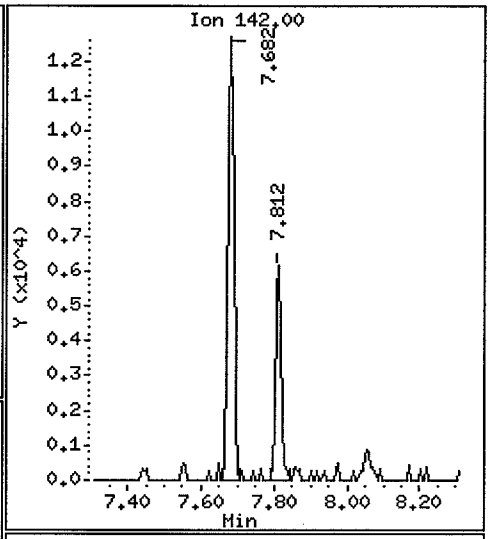
Column phase: ZB-5

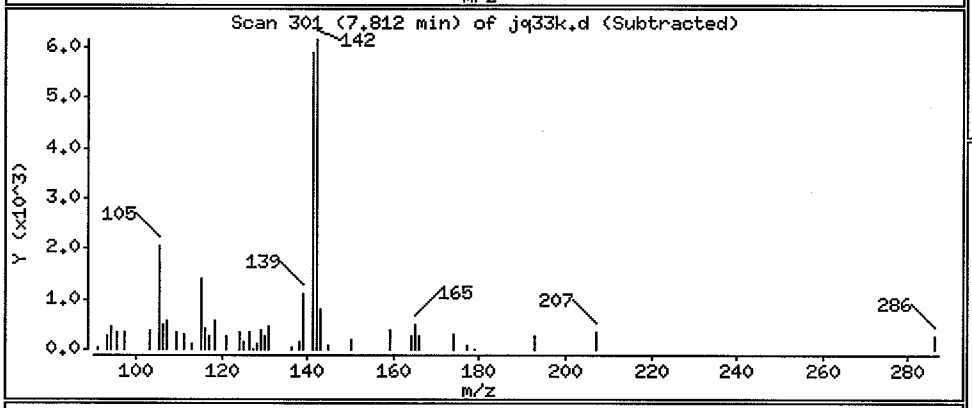
Column diameter: 0.25

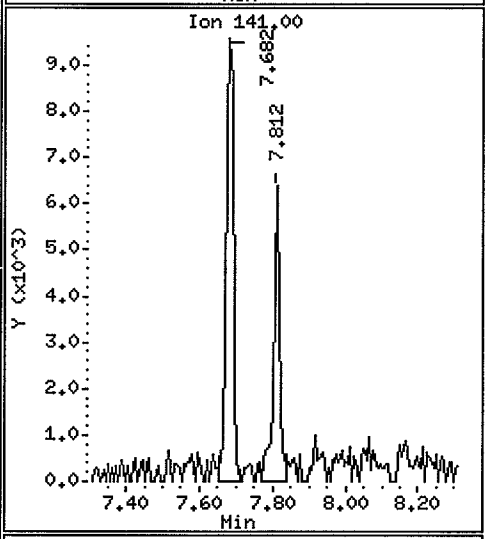
5 1-Methylnaphthalene

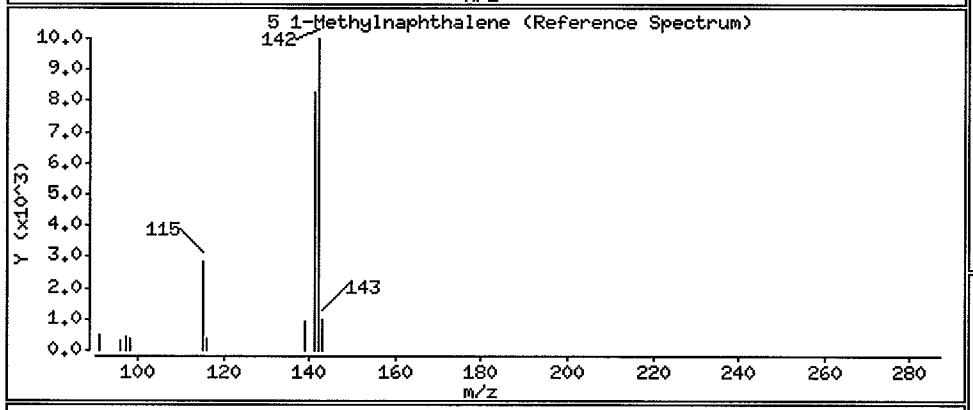
Concentration: 4.596 ug/kg

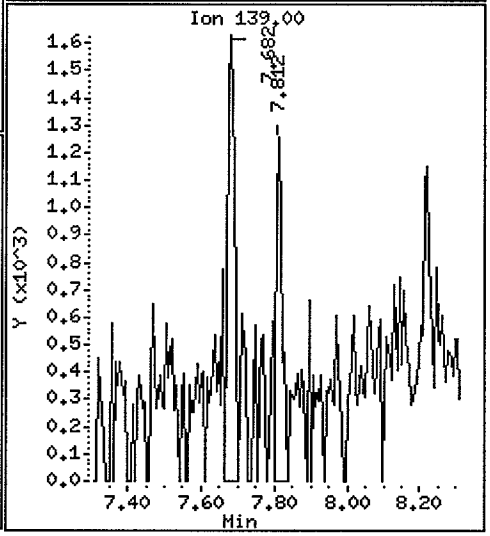


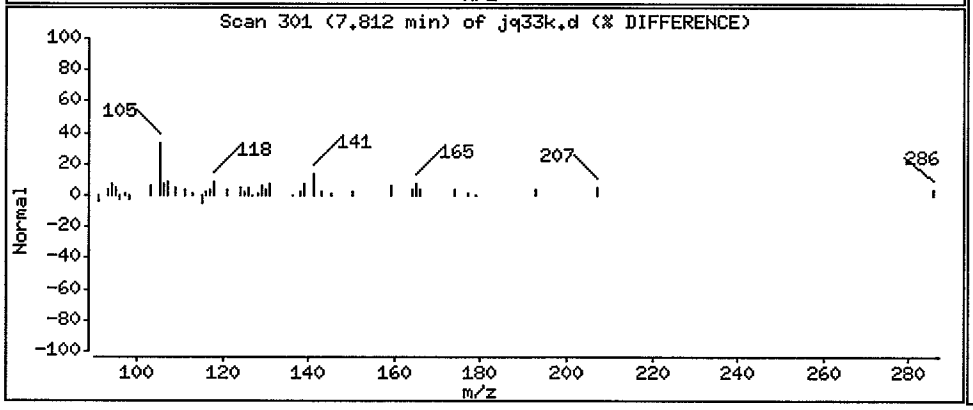












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

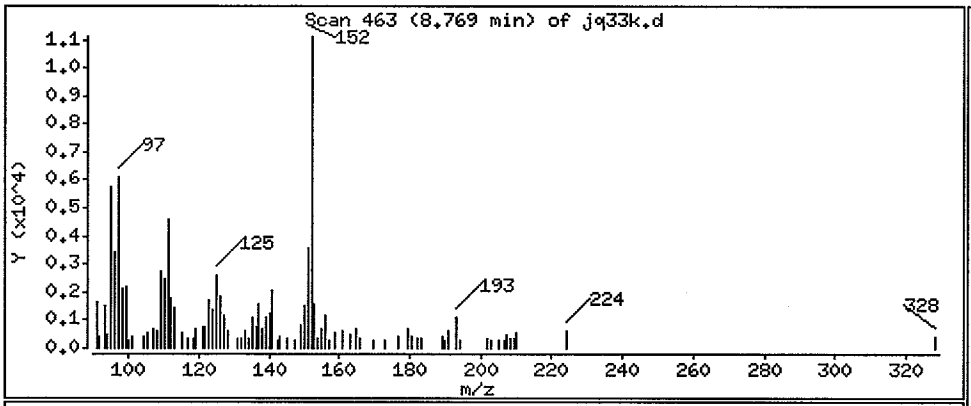
Operator: VTS

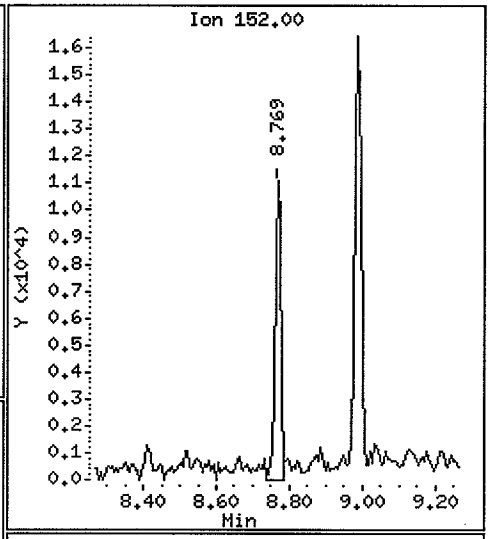
Column phase: ZB-5

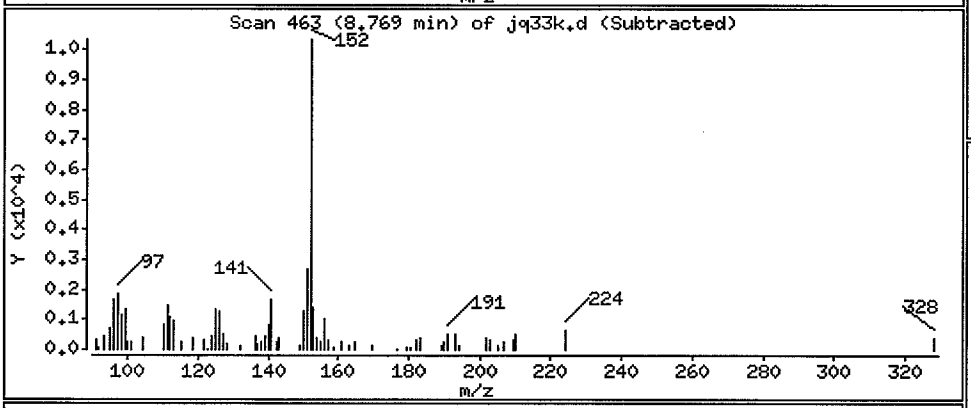
Column diameter: 0.25

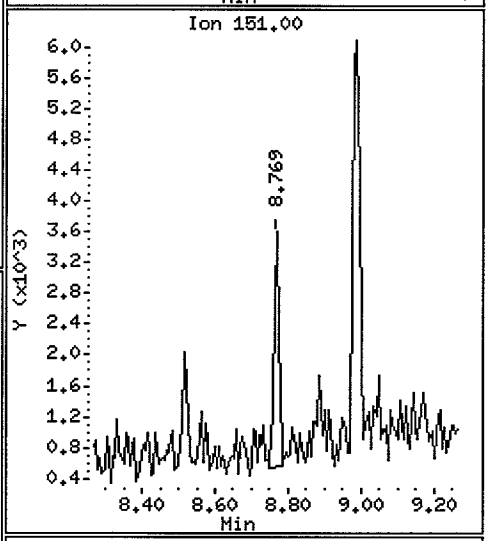
7 Acenaphthylene

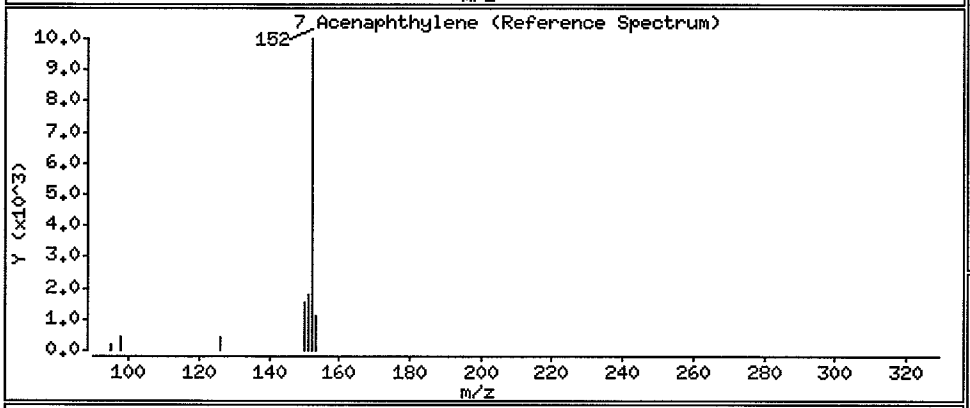
Concentration: 5.887 ug/kg

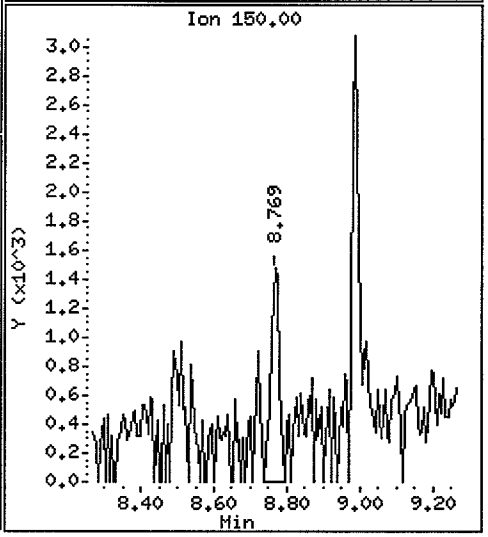


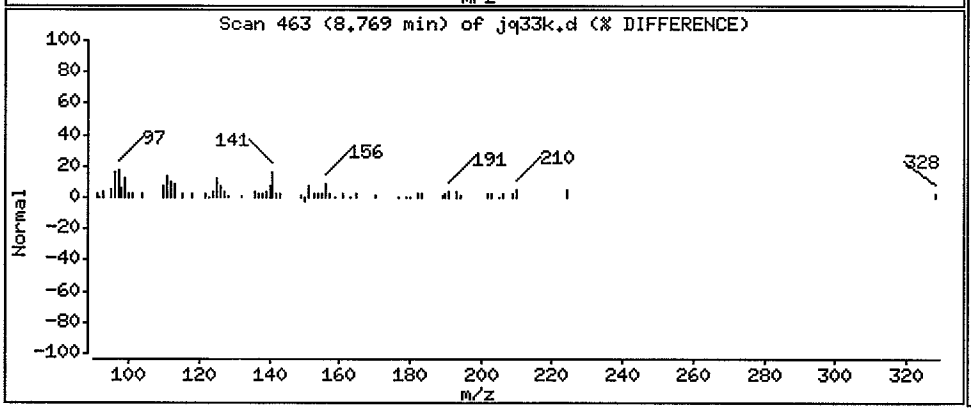












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

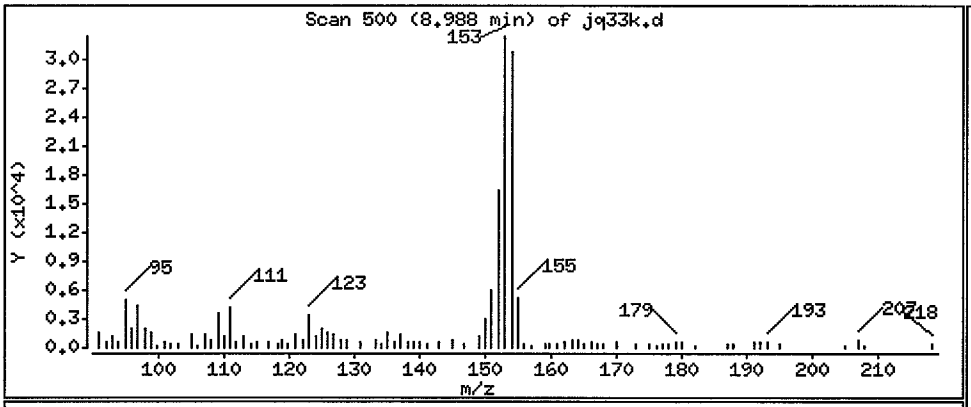
Operator: VTS

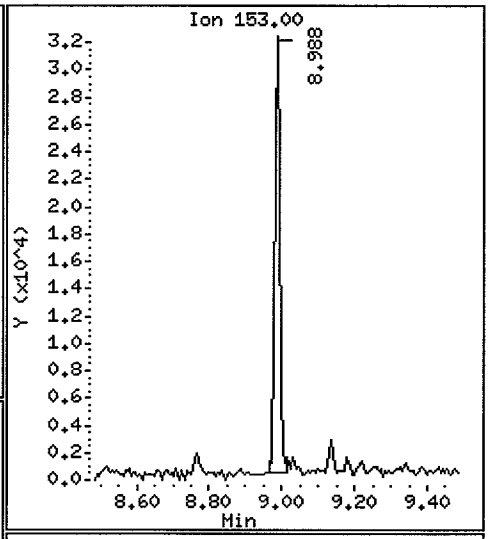
Column phase: ZB-5

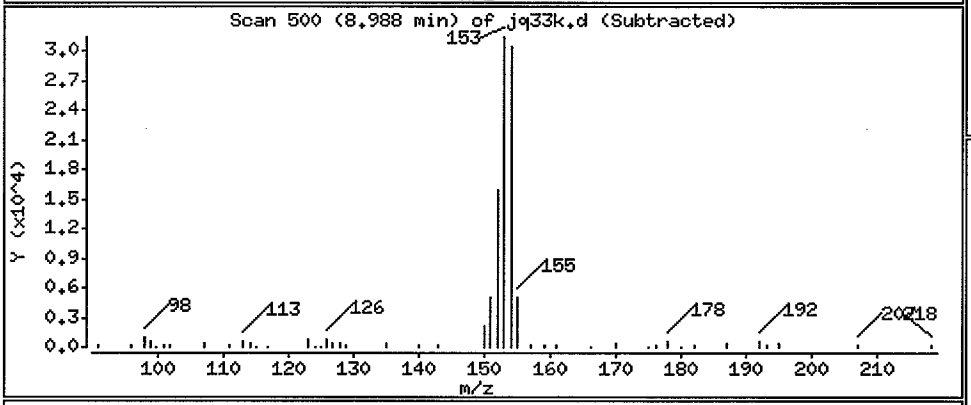
Column diameter: 0.25

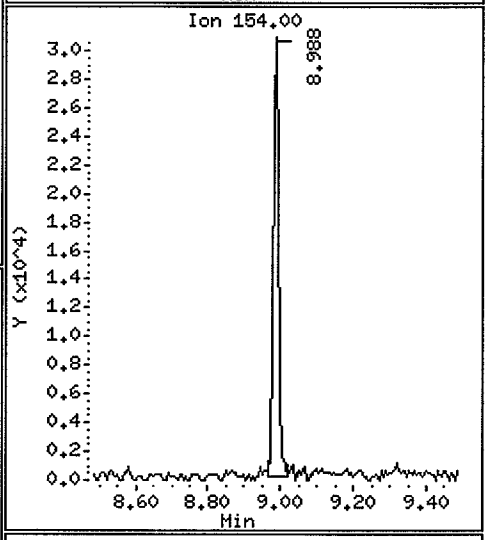
9 Acenaphthene

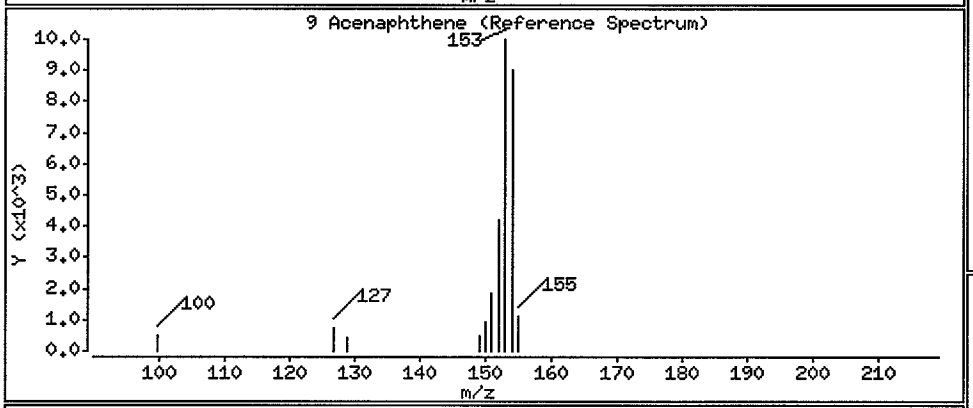
Concentration: 25.43 ug/kg

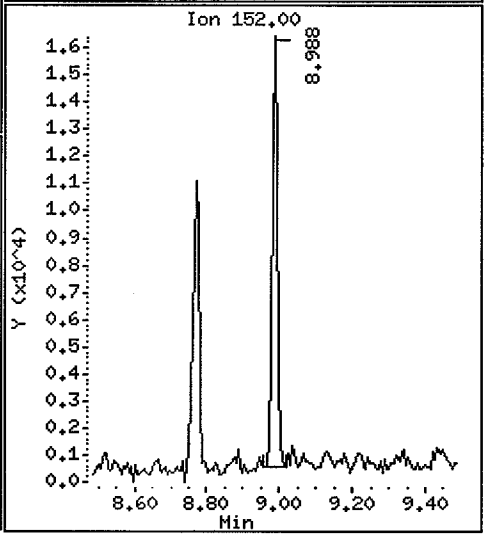


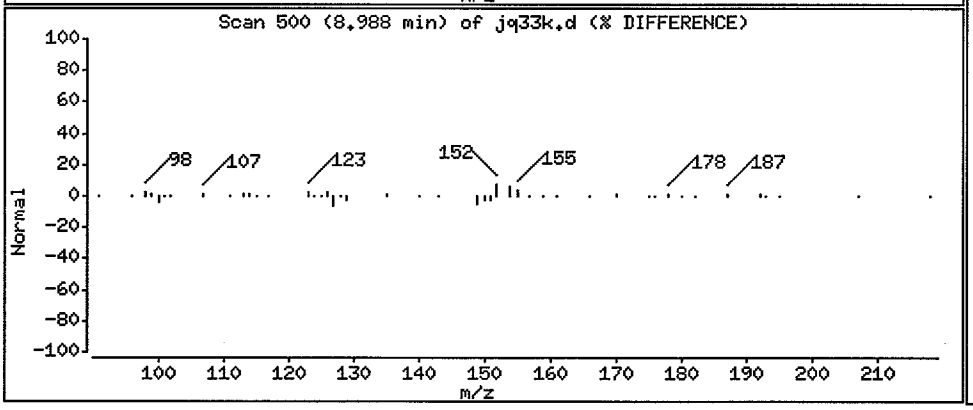












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

Operator: VTS

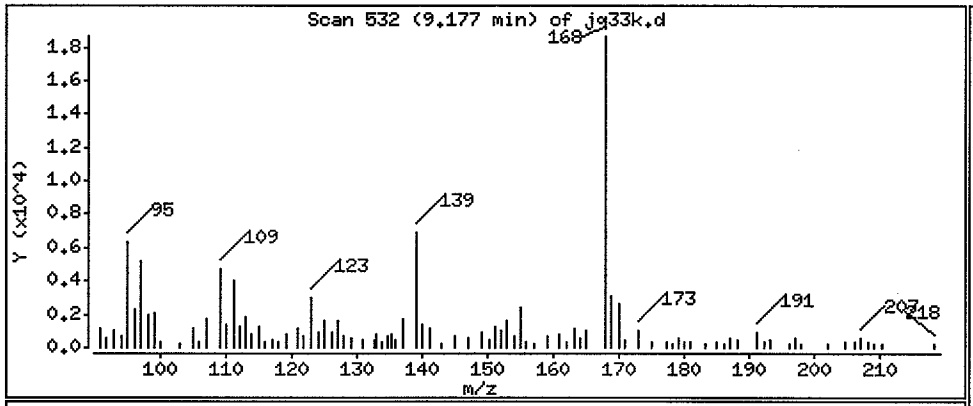
Column phase: ZB-5

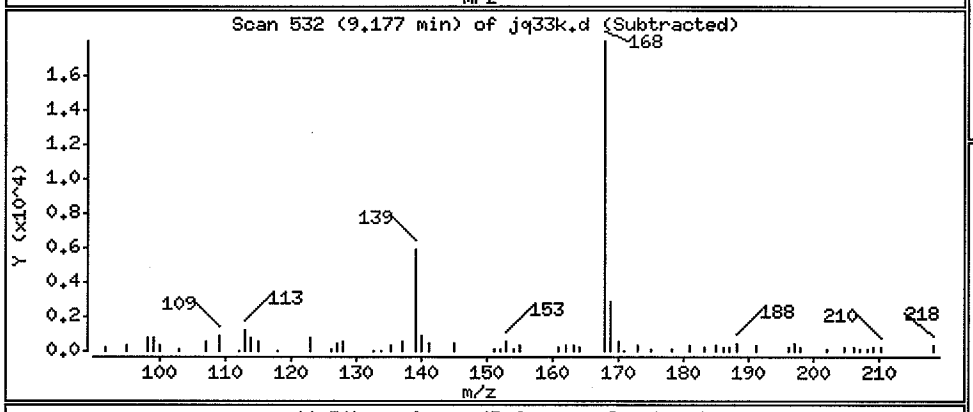
Column diameter: 0.25

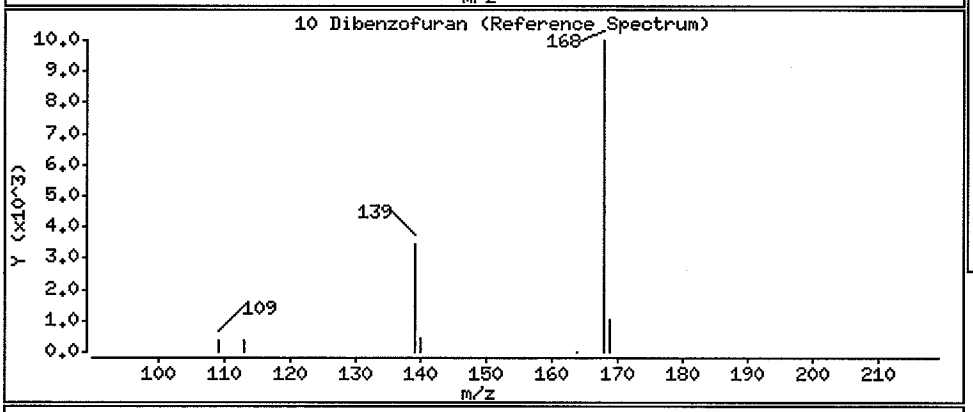
10 Dibenzofuran

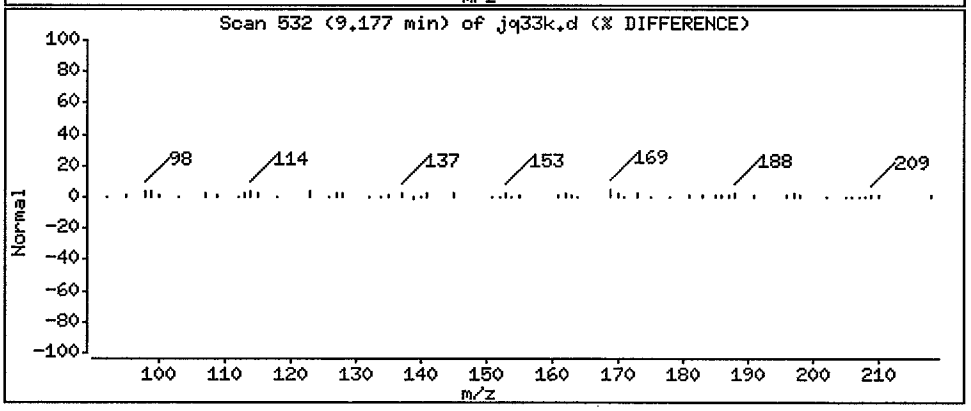
Concentration: 10.58 ug/kg

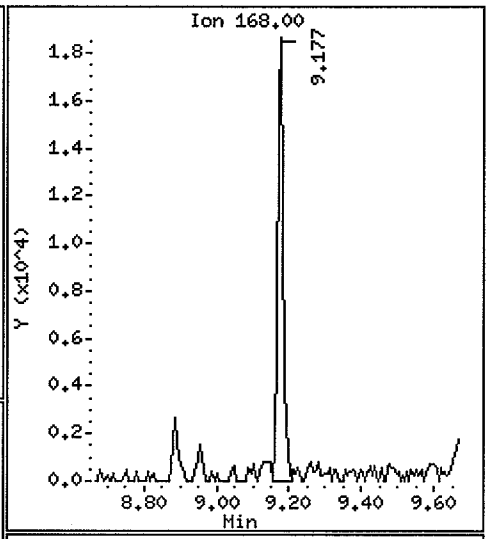
NR. QL

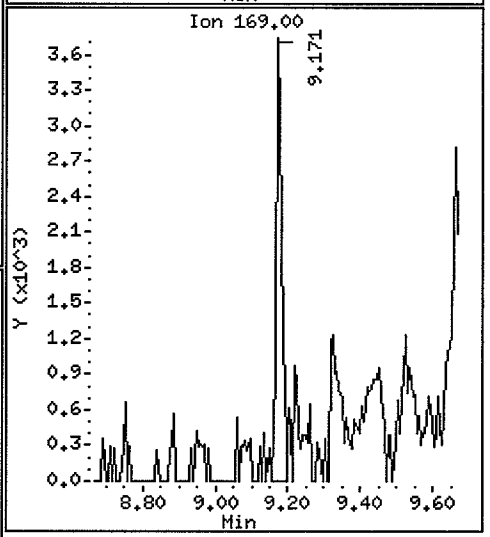












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

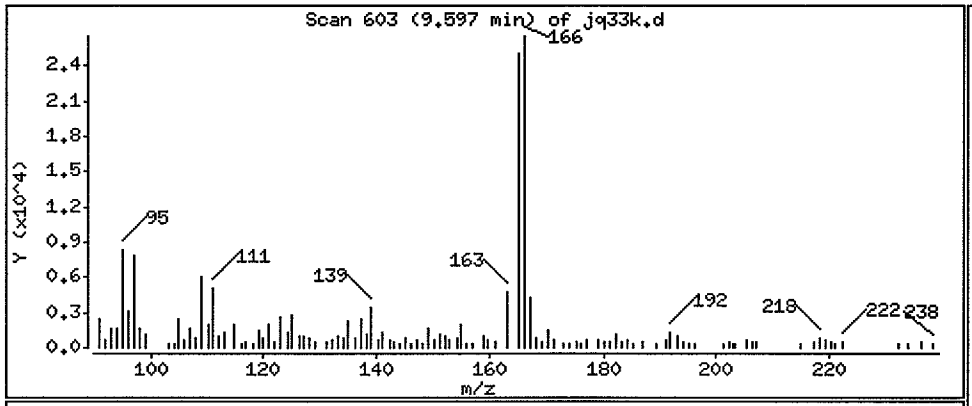
Operator: VTS

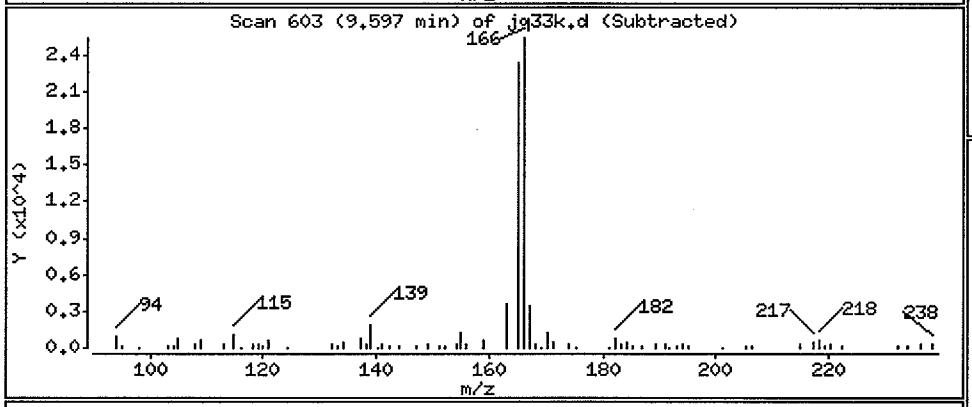
Column phase: ZB-5

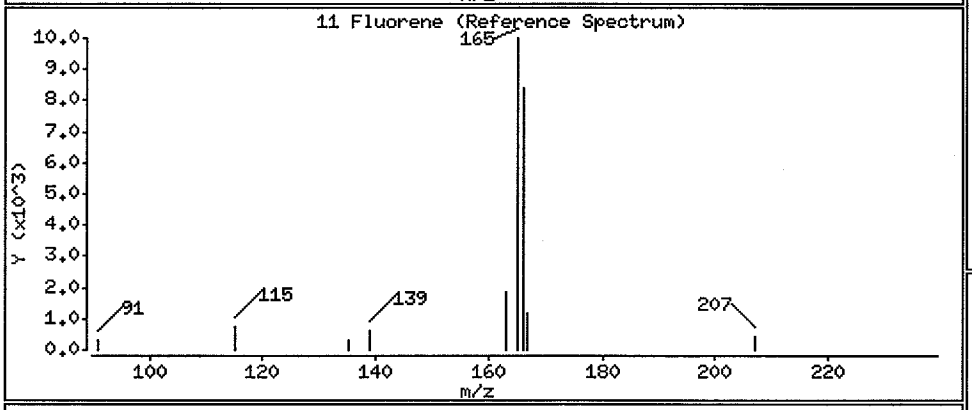
Column diameter: 0.25

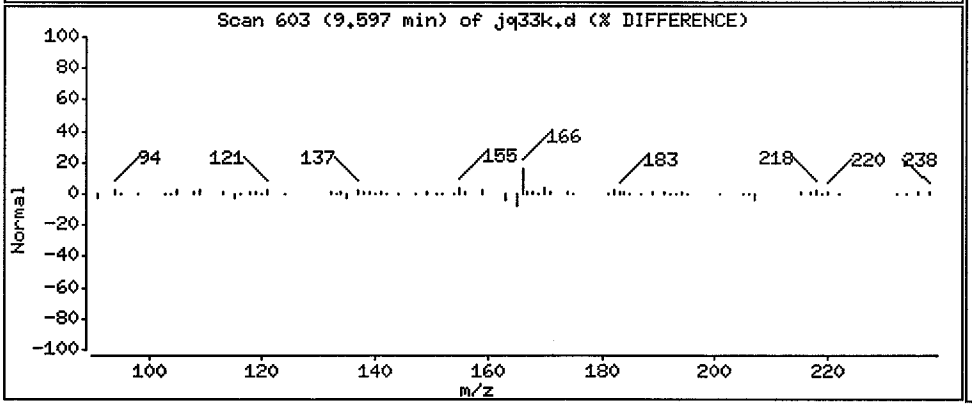
11 Fluorene

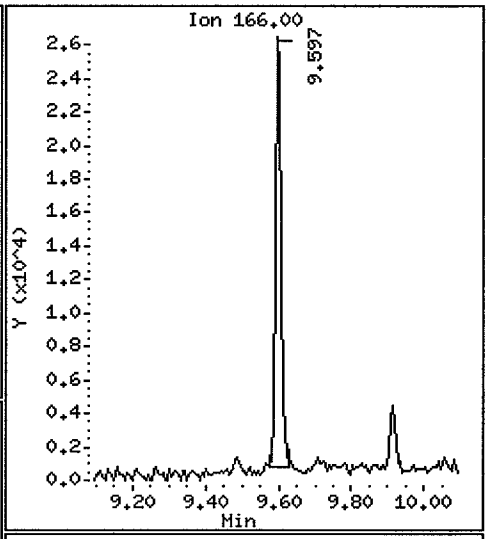
Concentration: 19.13 ug/kg

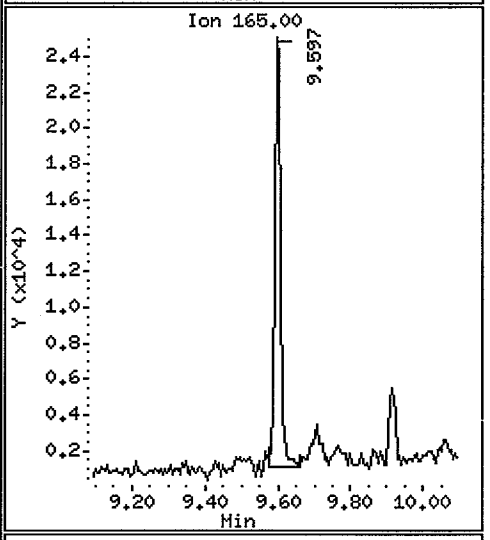


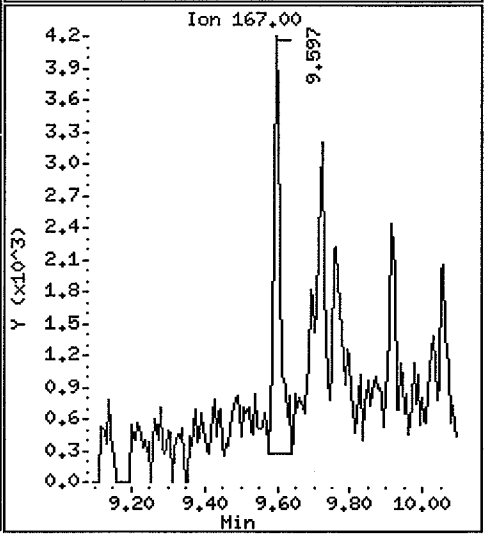












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

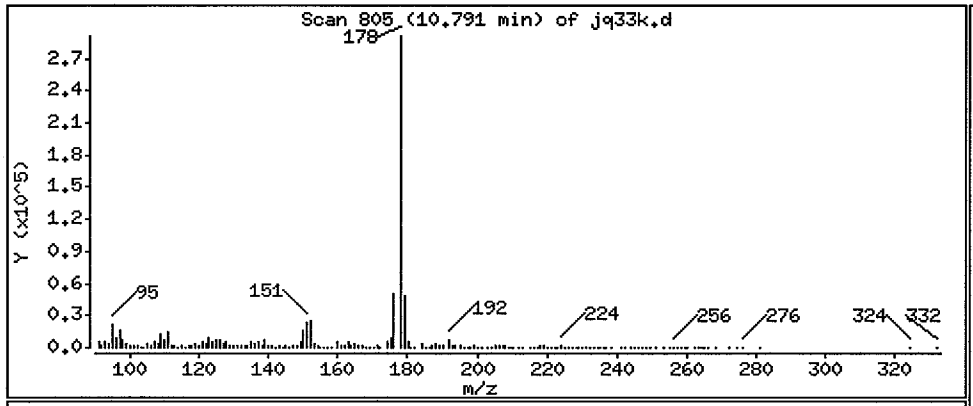
Operator: VTS

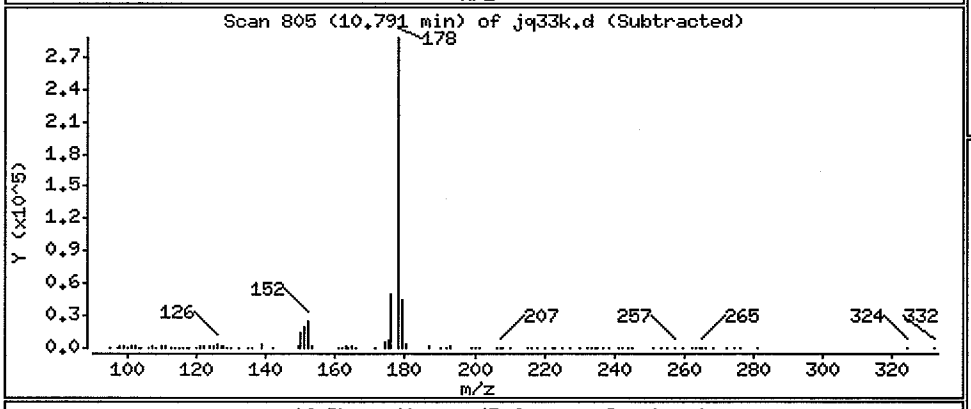
Column phase: ZB-5

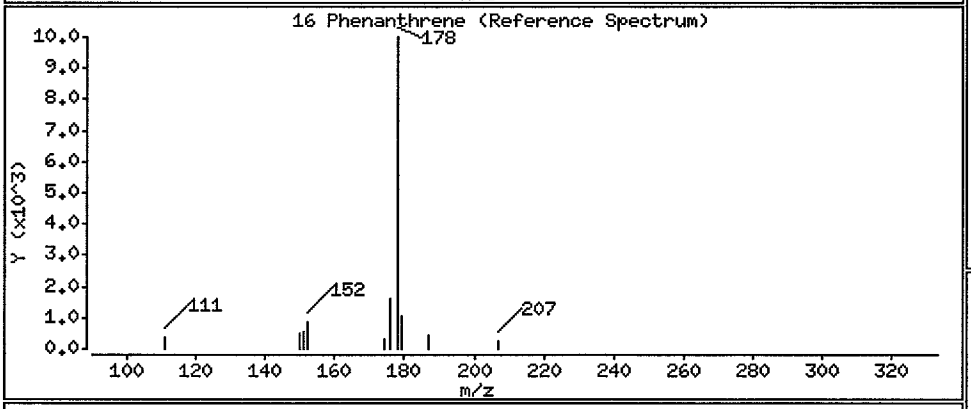
Column diameter: 0.25

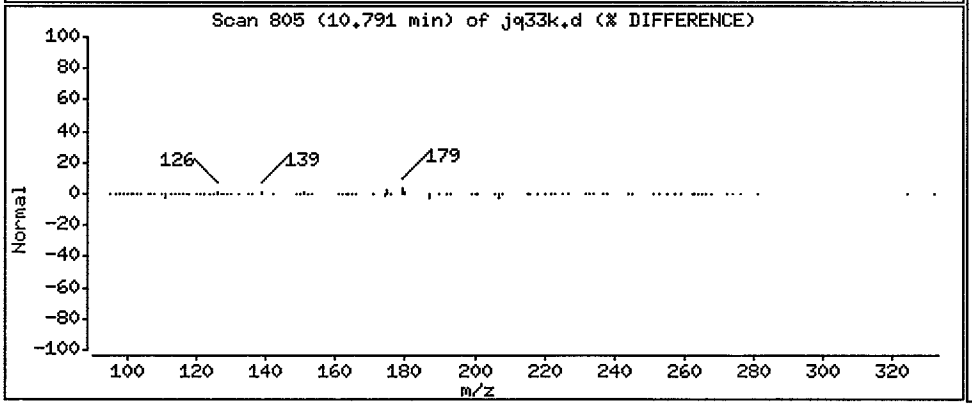
16 Phenanthrene

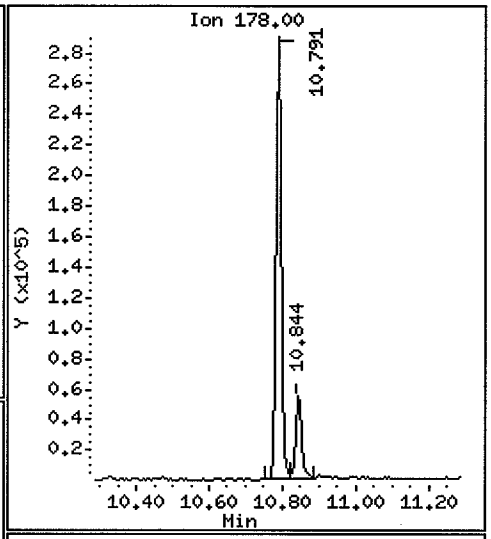
Concentration: 137.0 ug/kg

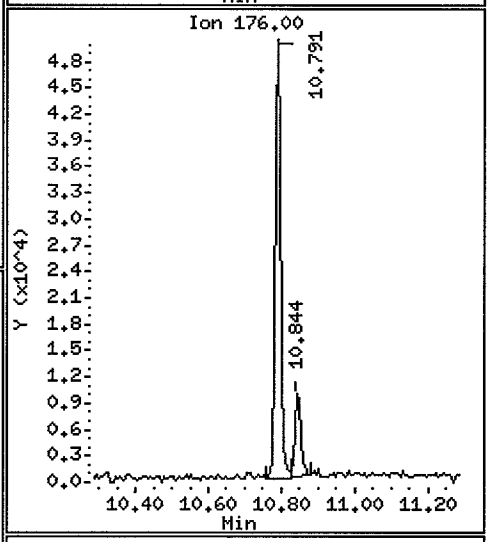


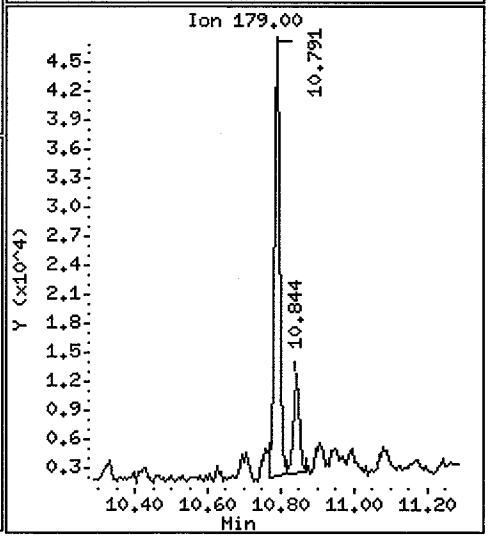












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

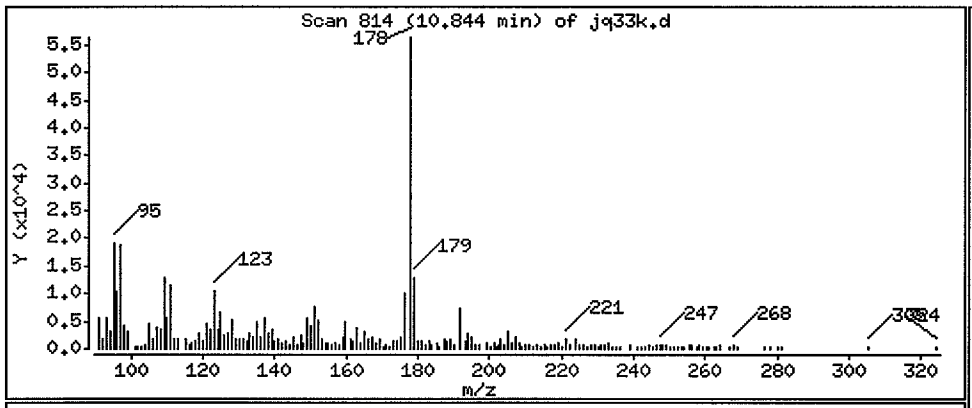
Operator: VTS

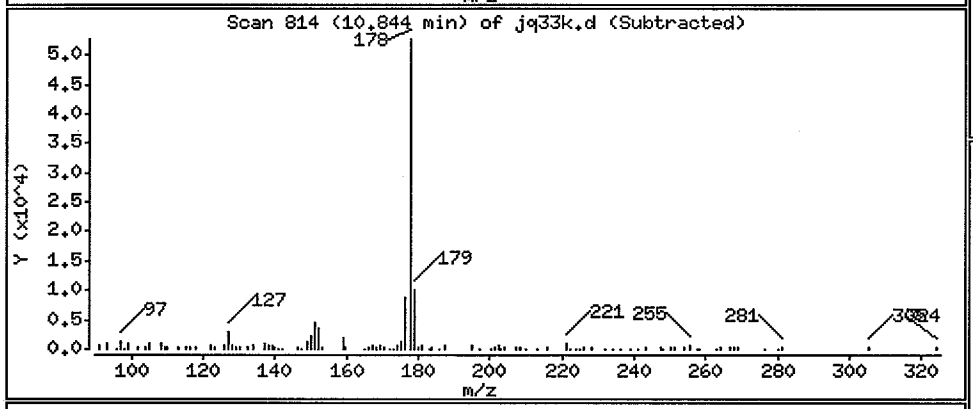
Column phase: ZB-5

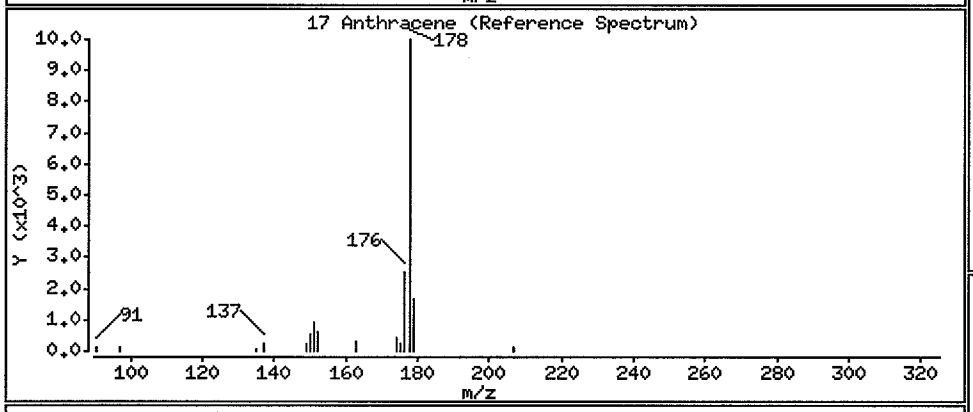
Column diameter: 0.25

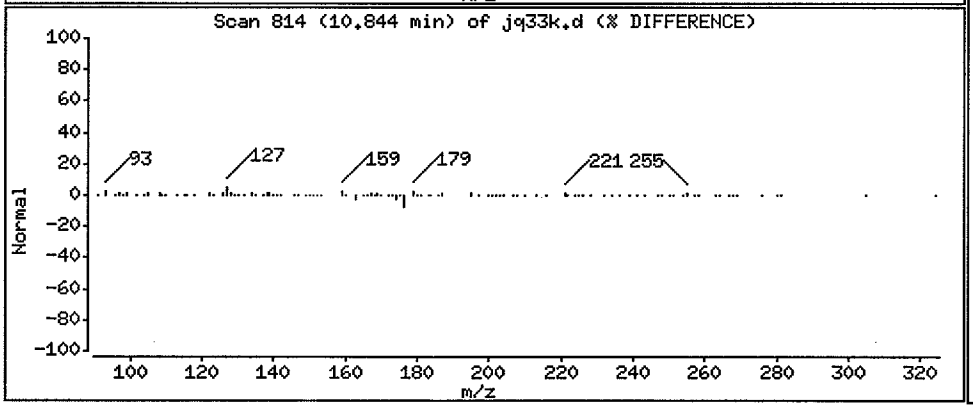
17 Anthracene

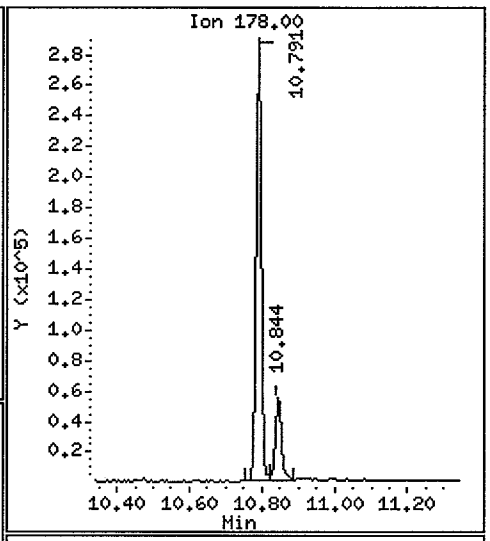
Concentration: 29.48 ug/kg

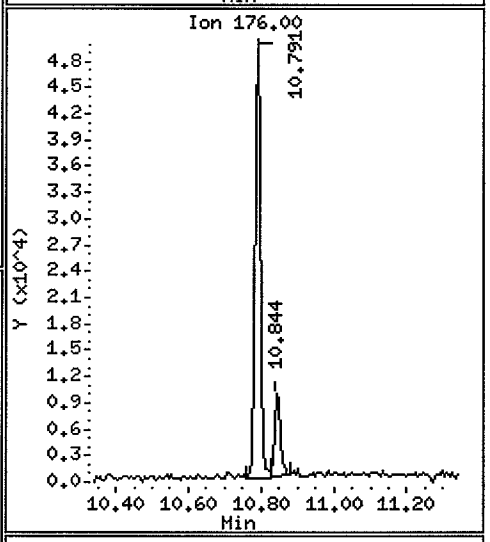


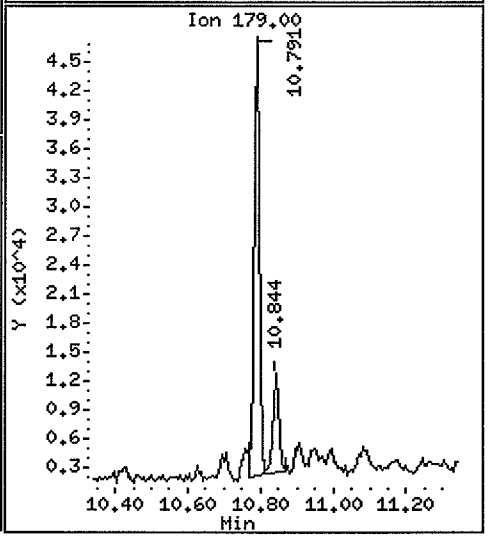












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

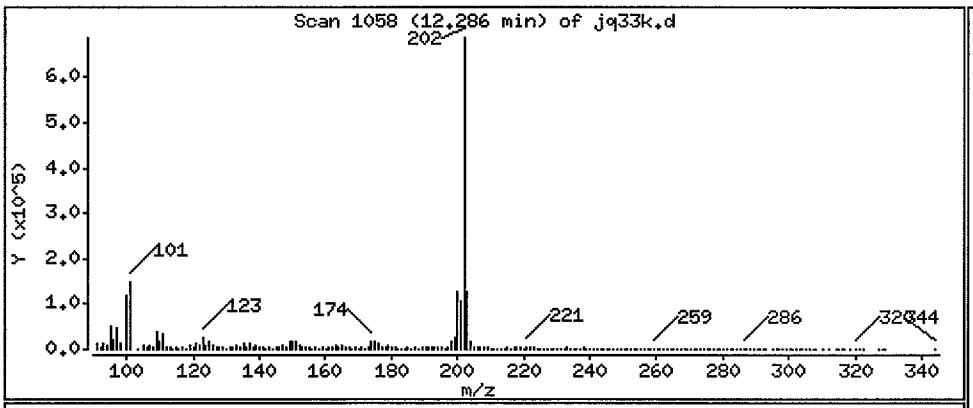
Operator: VTS

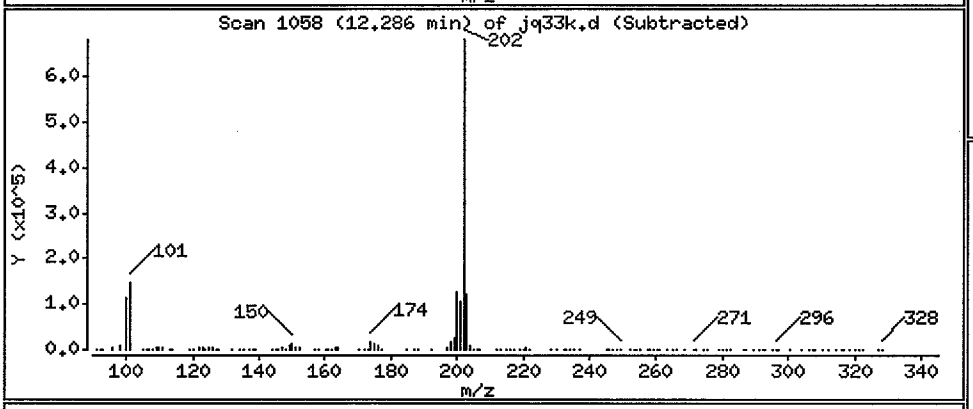
Column phase: ZB-5

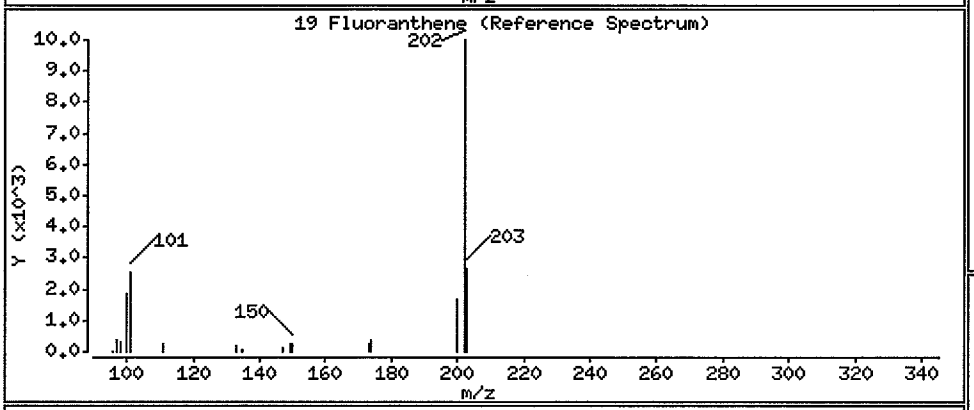
Column diameter: 0.25

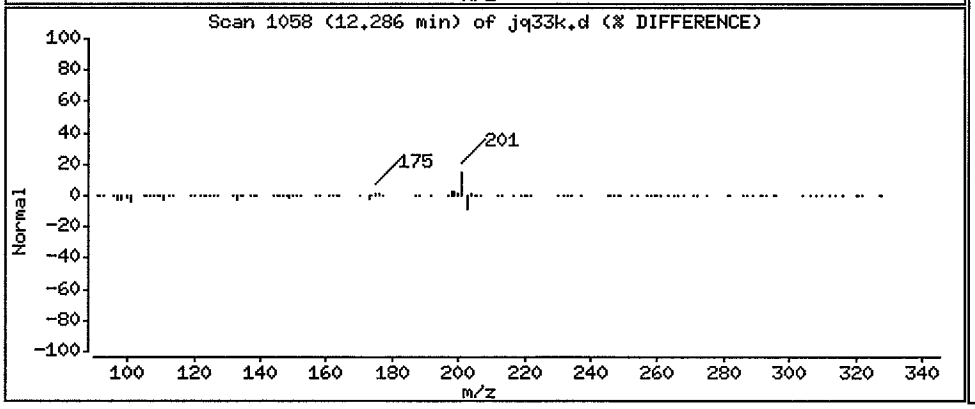
19 Fluoranthene

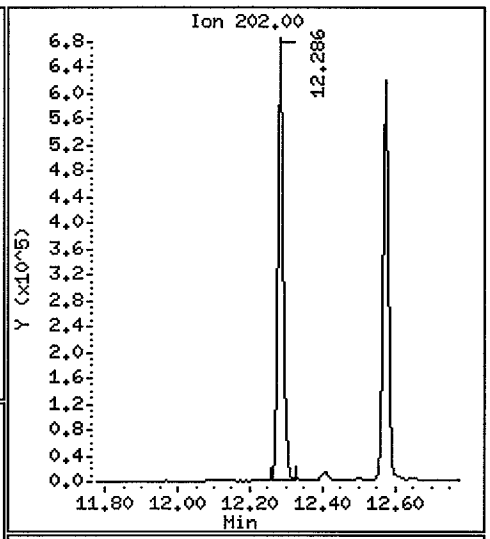
Concentration: 301.1 ug/kg

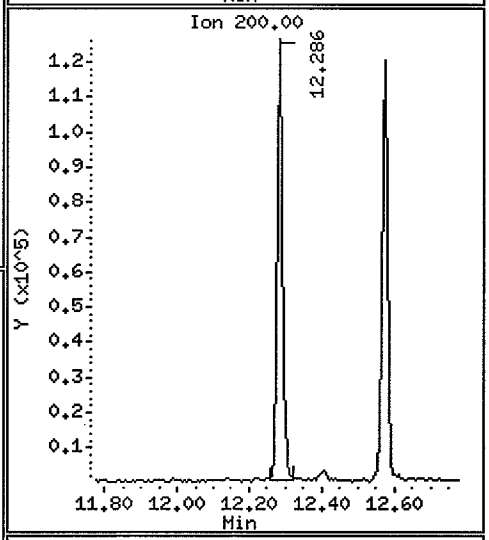


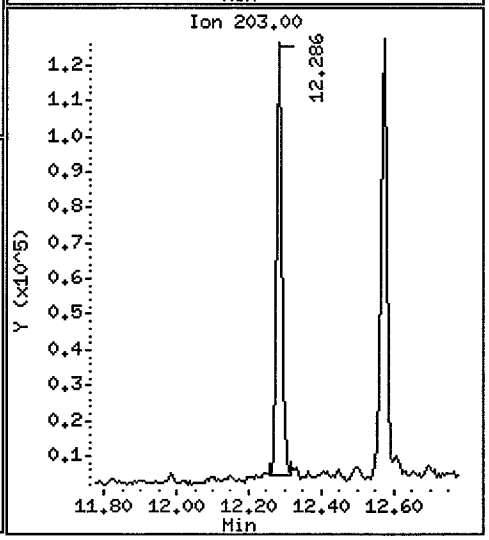












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

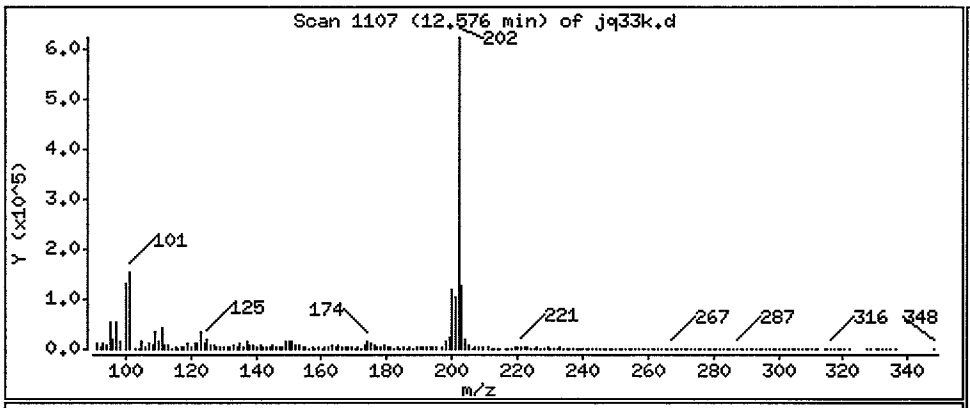
Operator: VTS

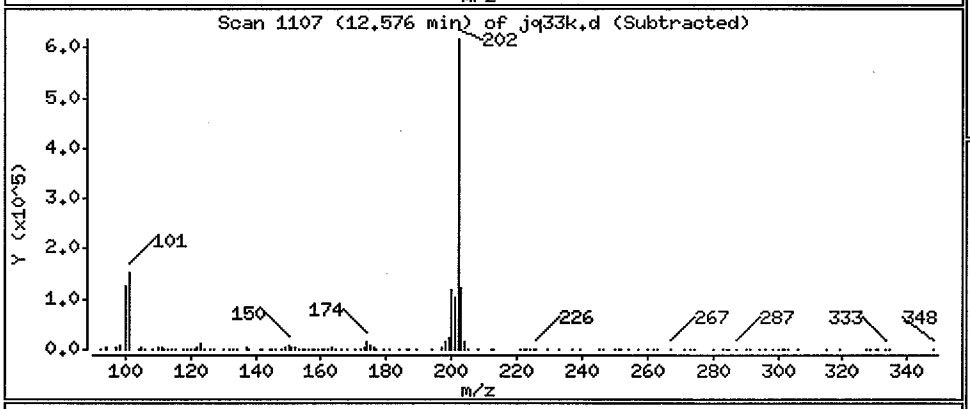
Column phase: ZB-5

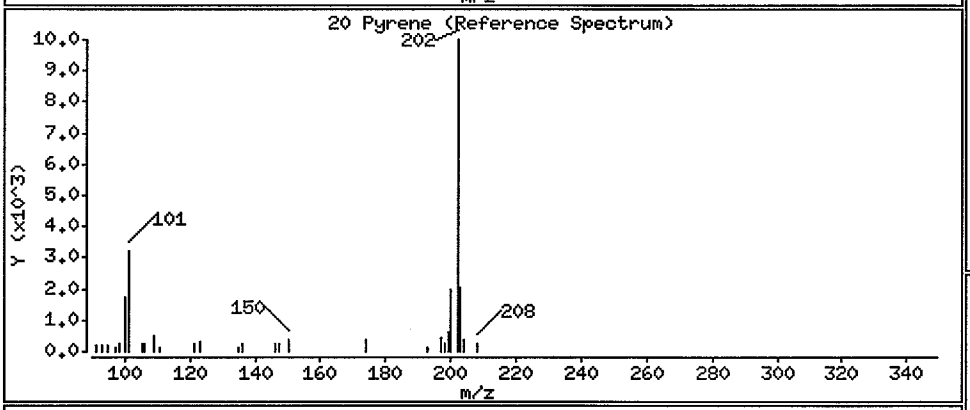
Column diameter: 0.25

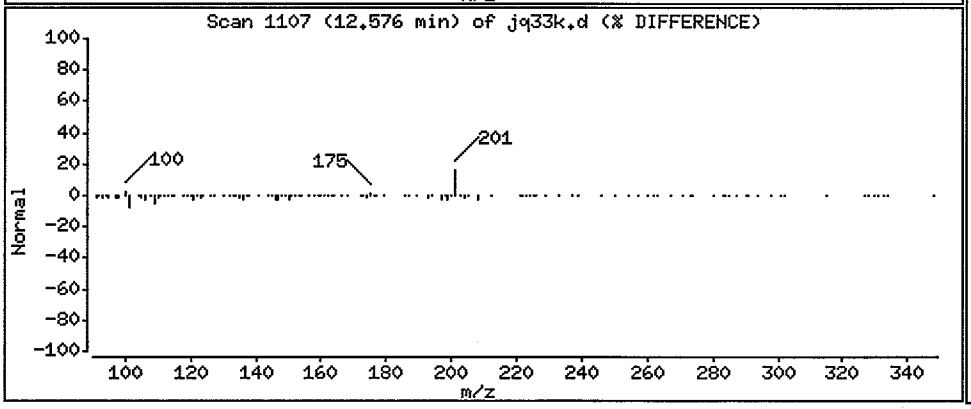
20 Pyrene

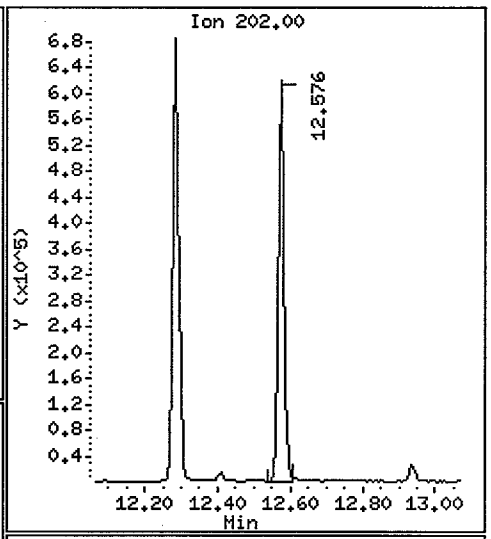
Concentration: 244.5 ug/kg

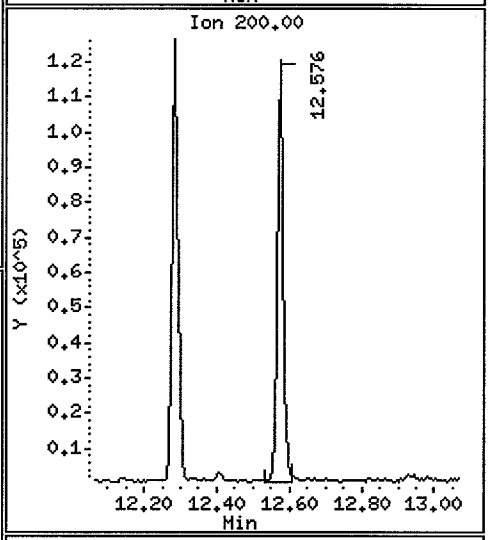


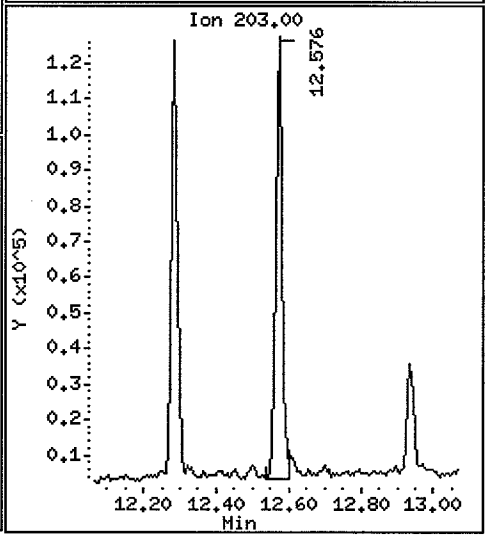












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

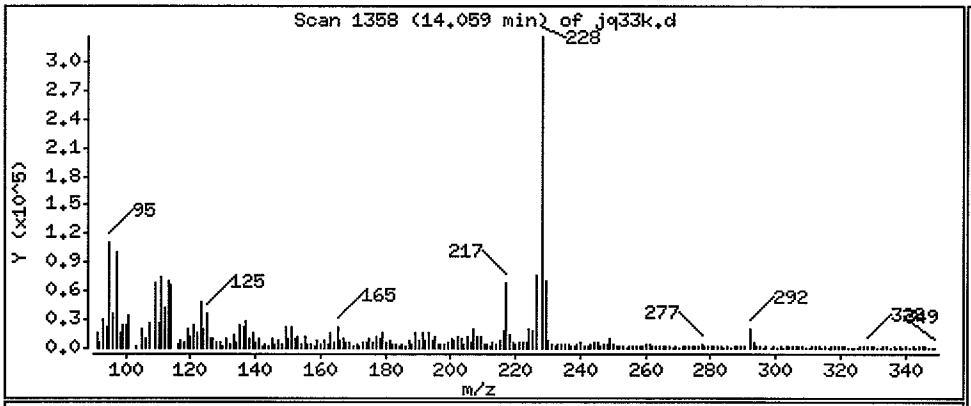
Operator: VTS

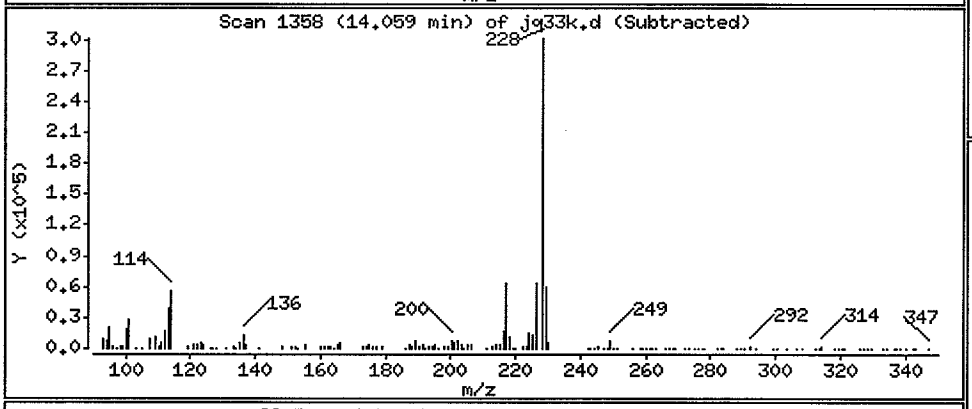
Column phase: ZB-5

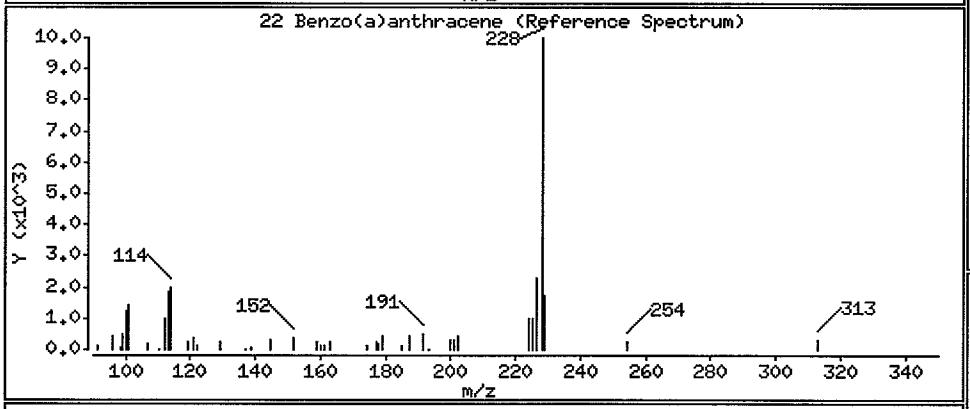
Column diameter: 0.25

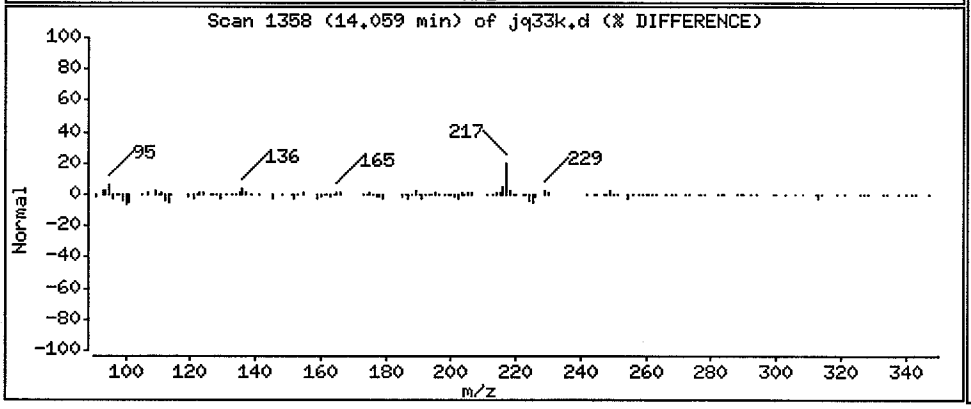
22 Benzo(a)anthracene

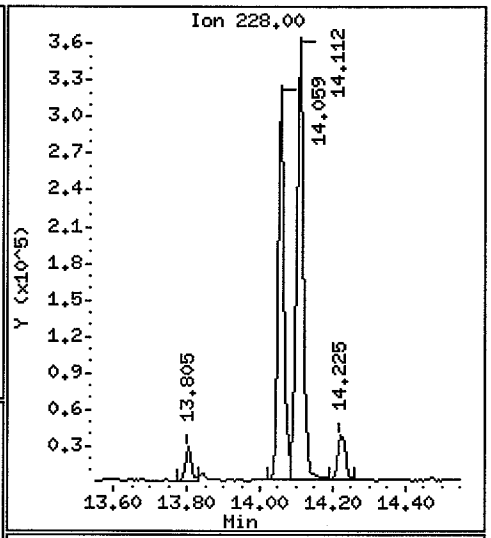
Concentration: 142.0 ug/kg

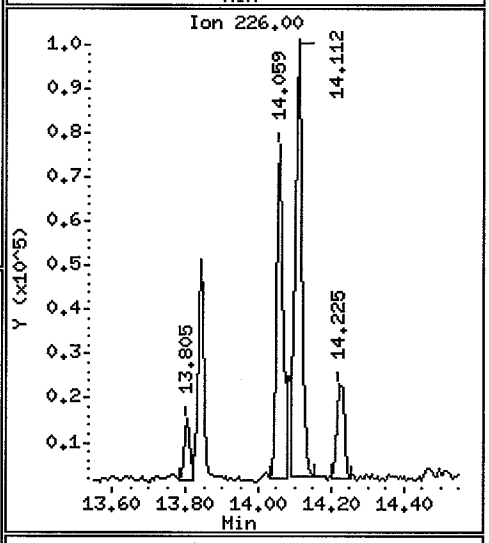


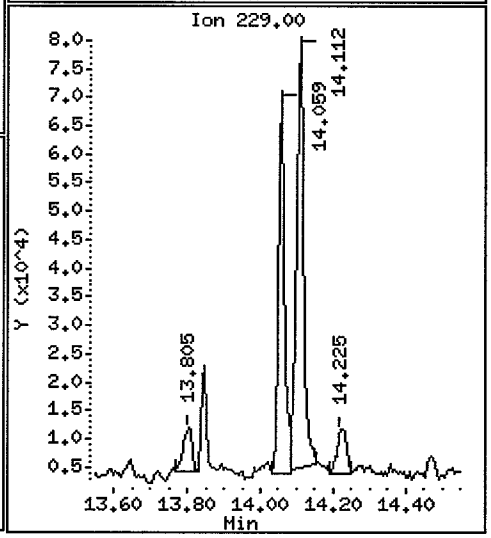












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

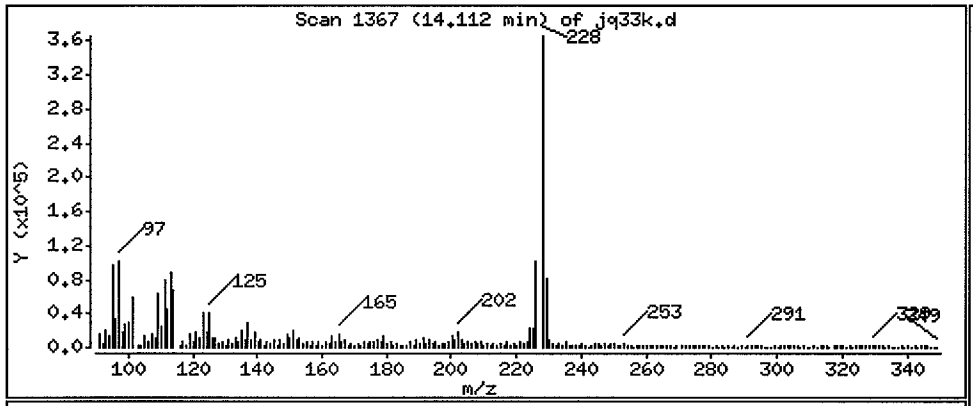
Operator: VTS

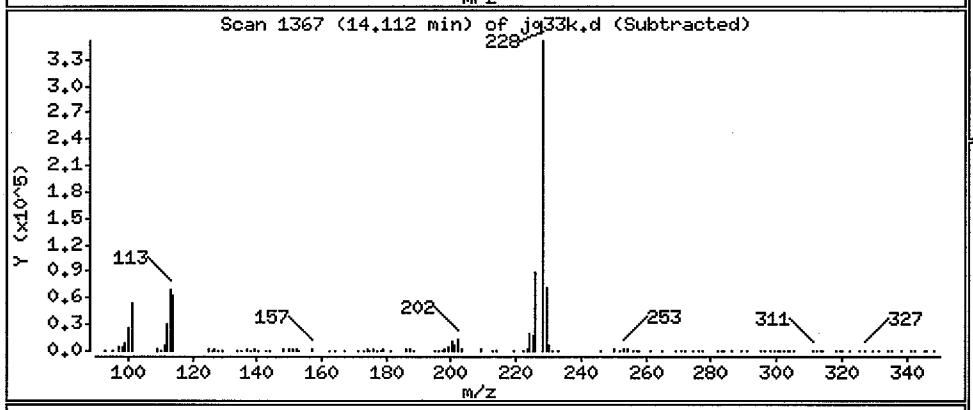
Column phase: ZB-5

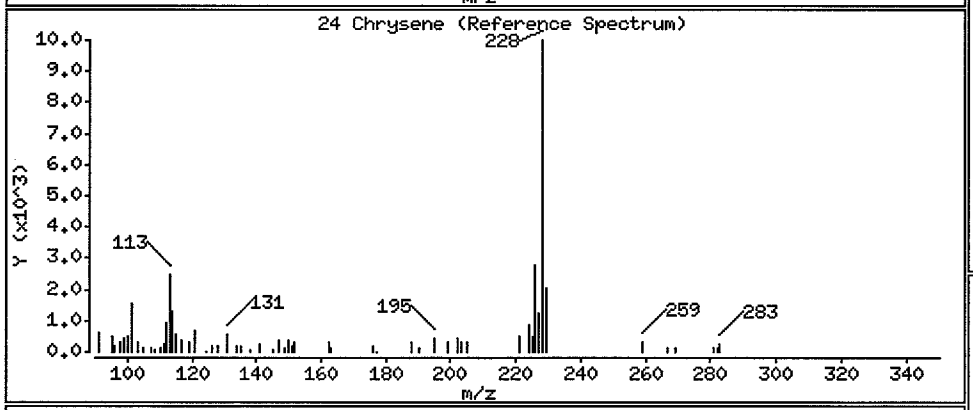
Column diameter: 0.25

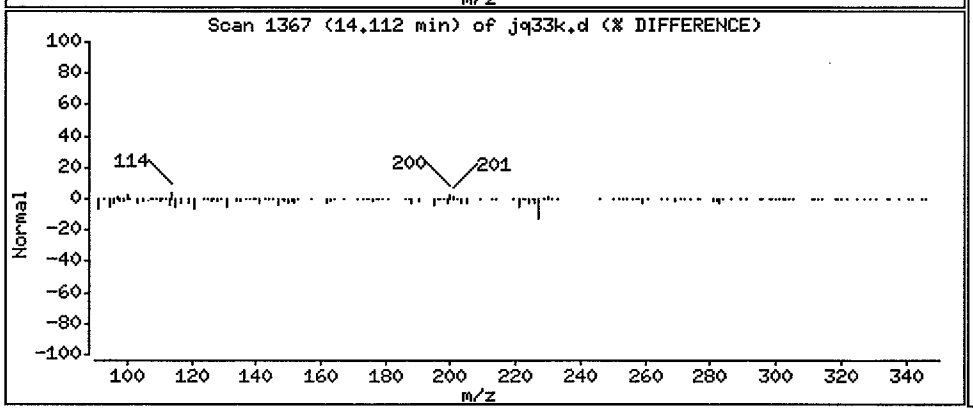
24 Chrysene

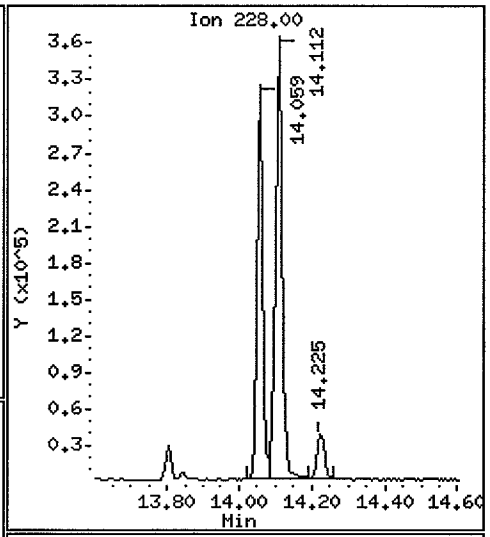
Concentration: 199.3 ug/kg

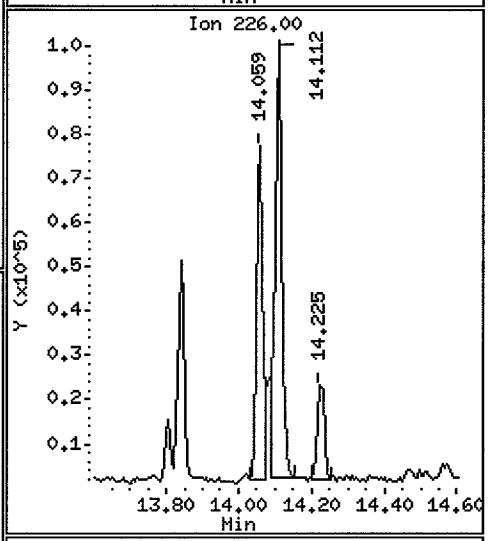


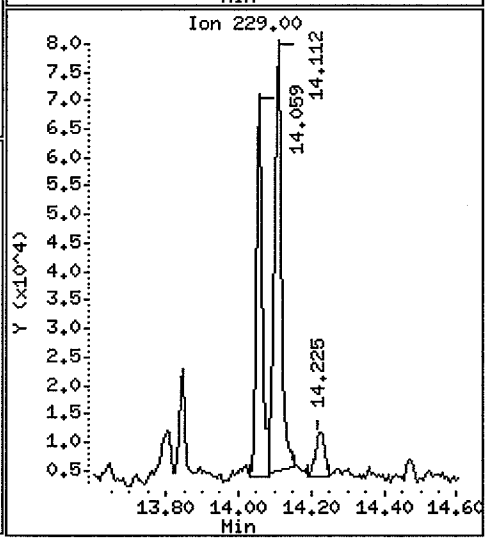












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

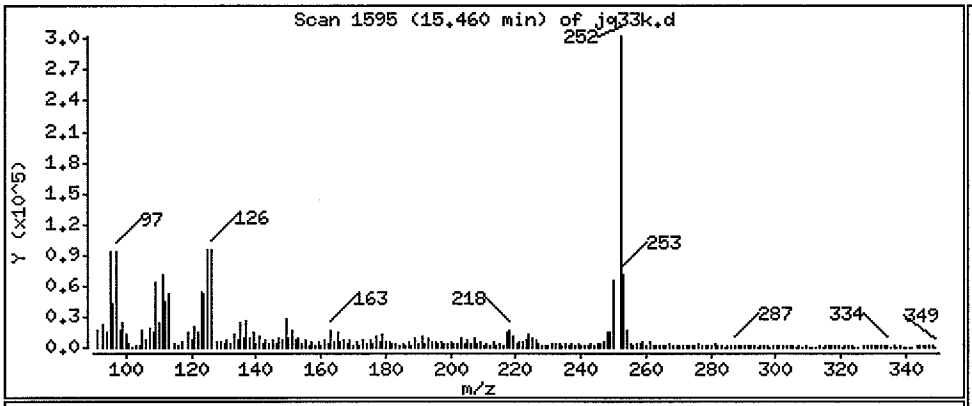
Operator: VTS

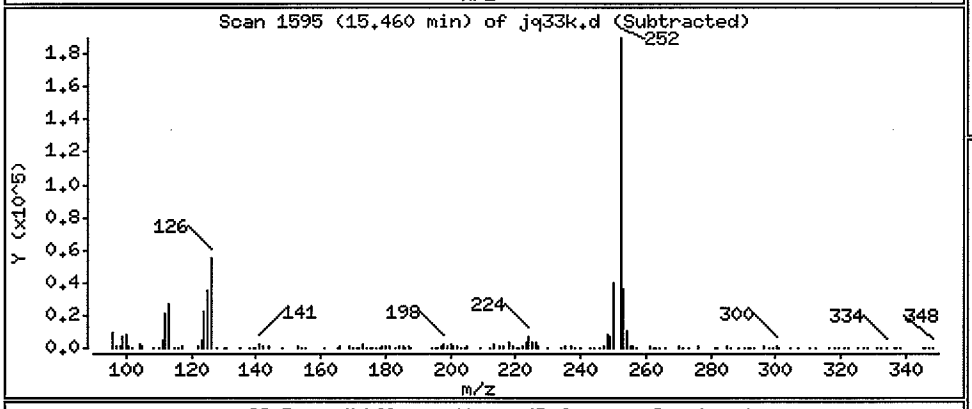
Column phase: ZB-5

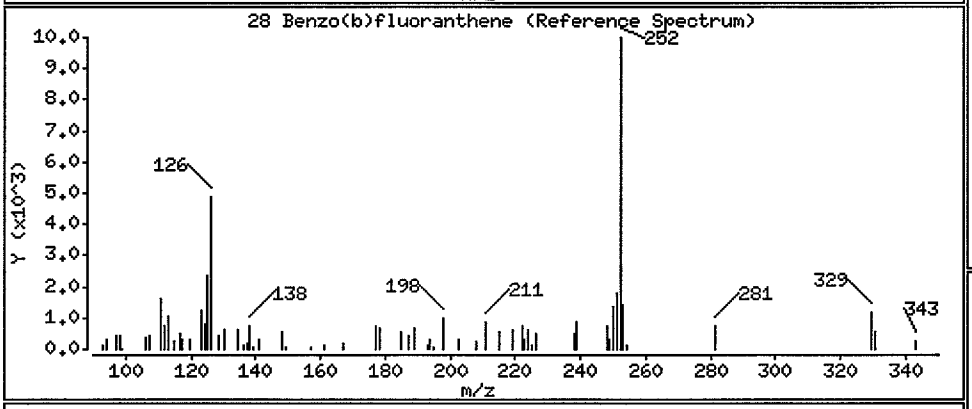
Column diameter: 0.25

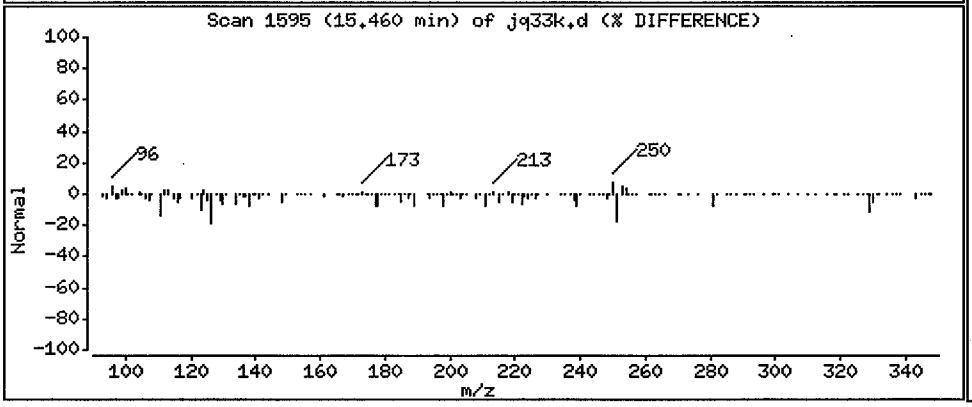
28 Benzo(b)fluoranthene

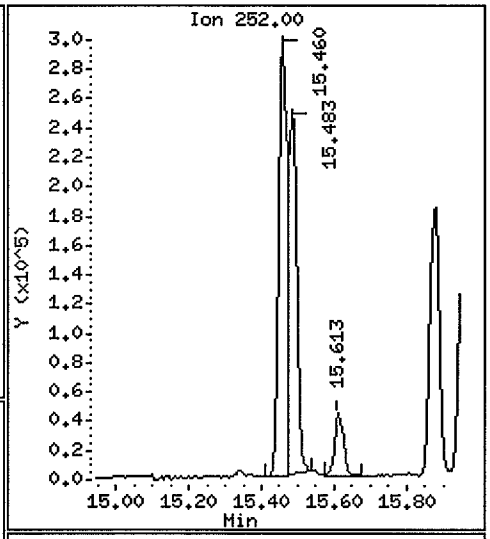
Concentration: 198.6 ug/kg

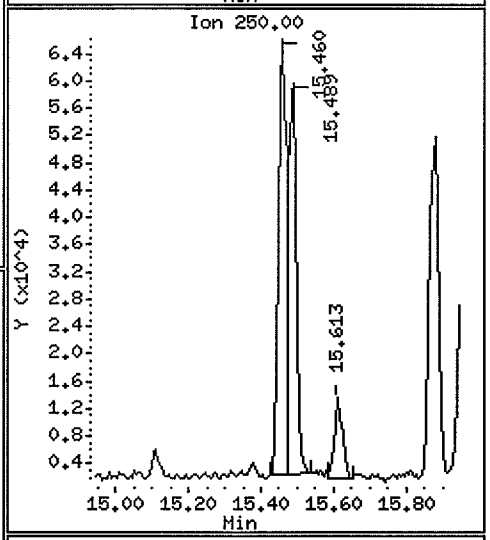


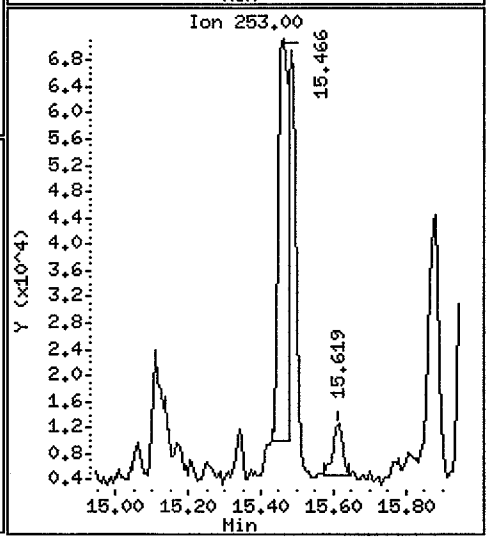












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

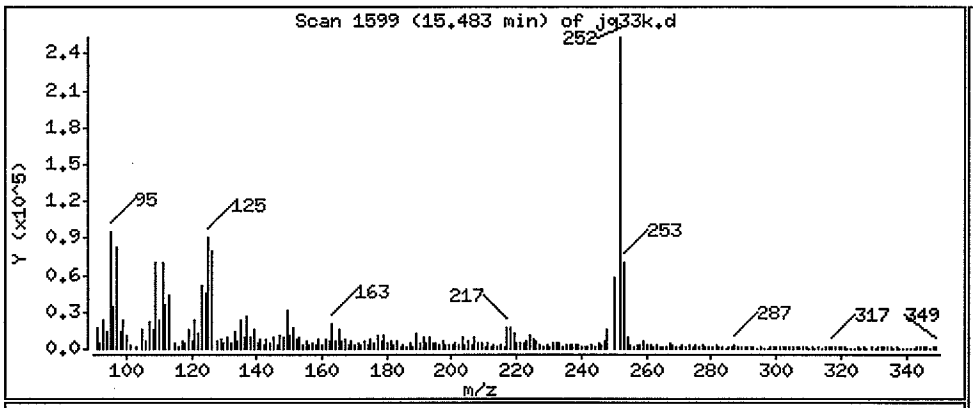
Operator: VTS

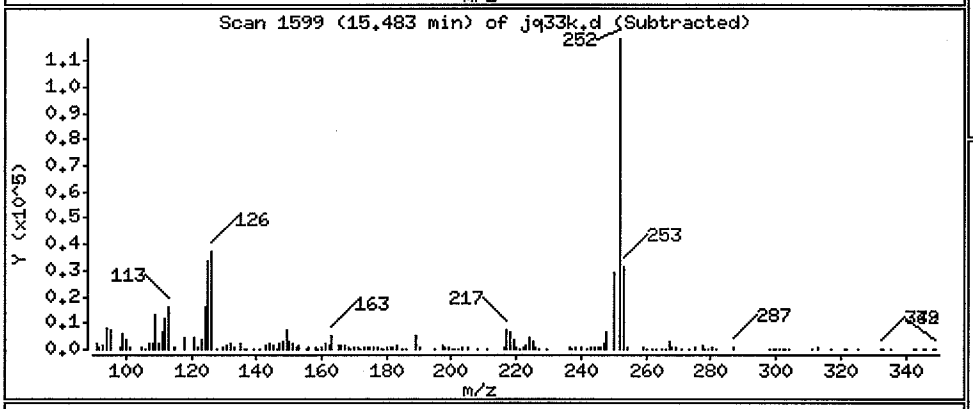
Column phase: ZB-5

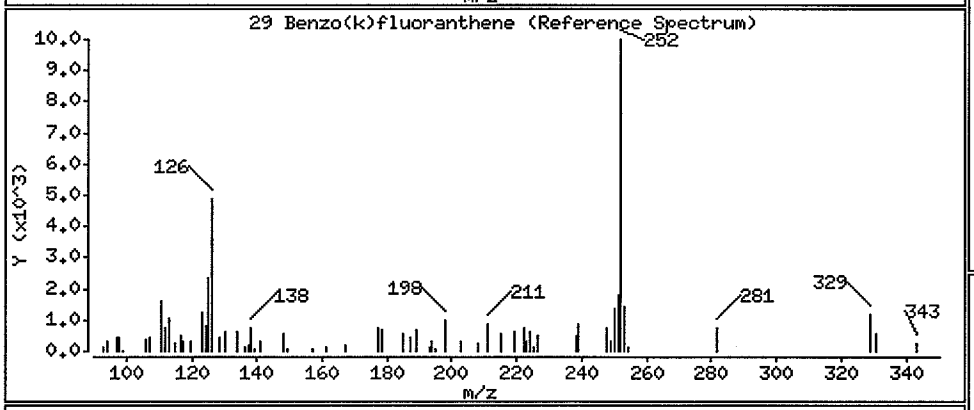
Column diameter: 0.25

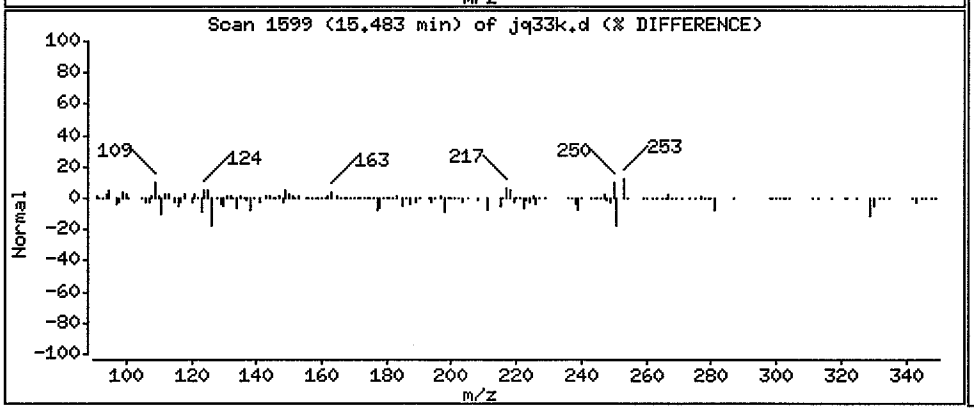
29 Benzo(k)fluoranthene

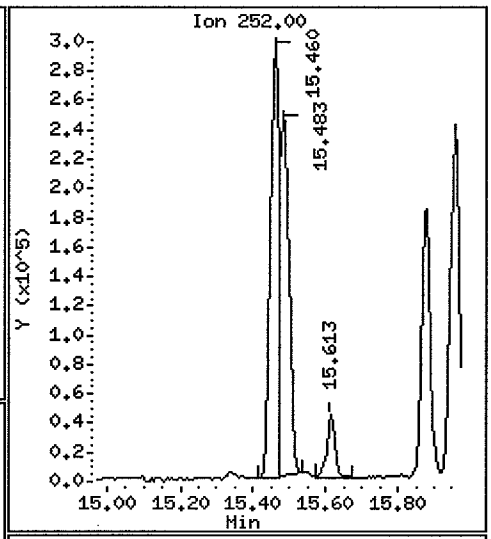
Concentration: 177.8 ug/kg

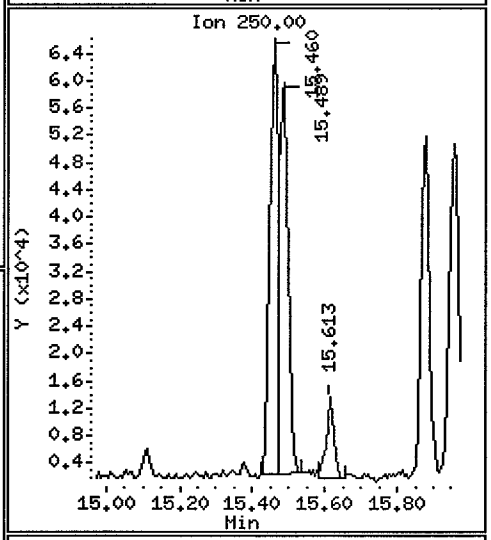


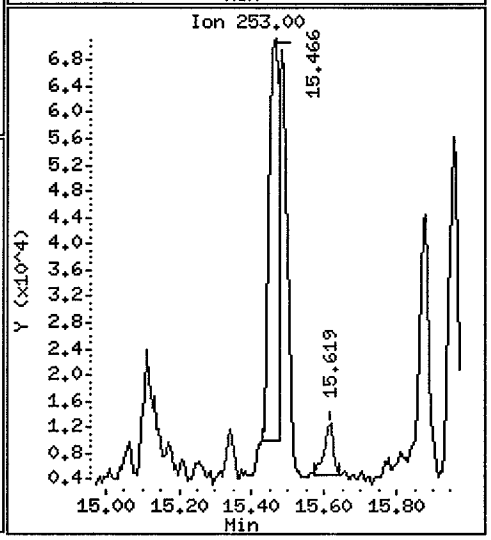












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

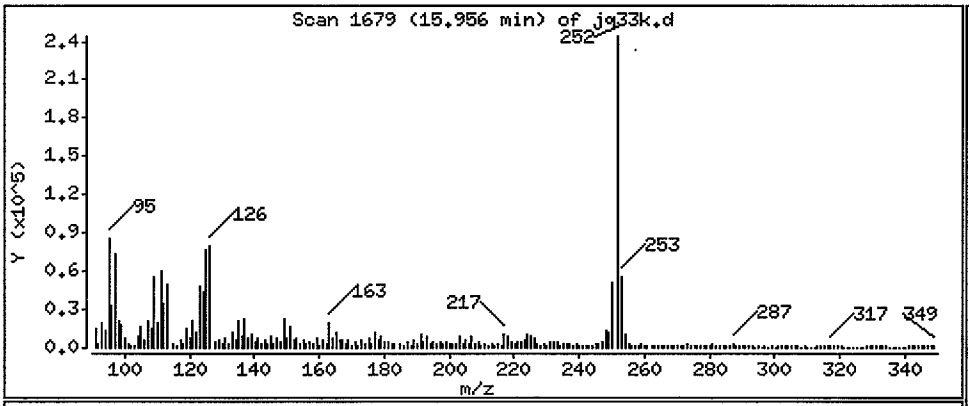
Operator: VTS

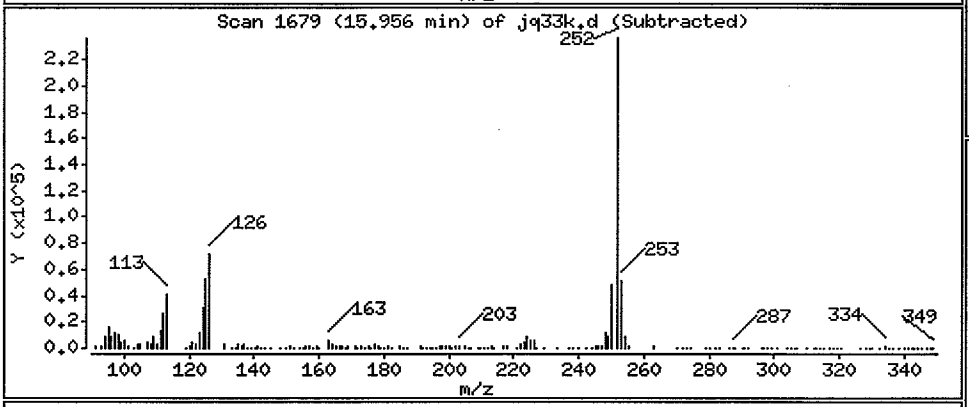
Column phase: ZB-5

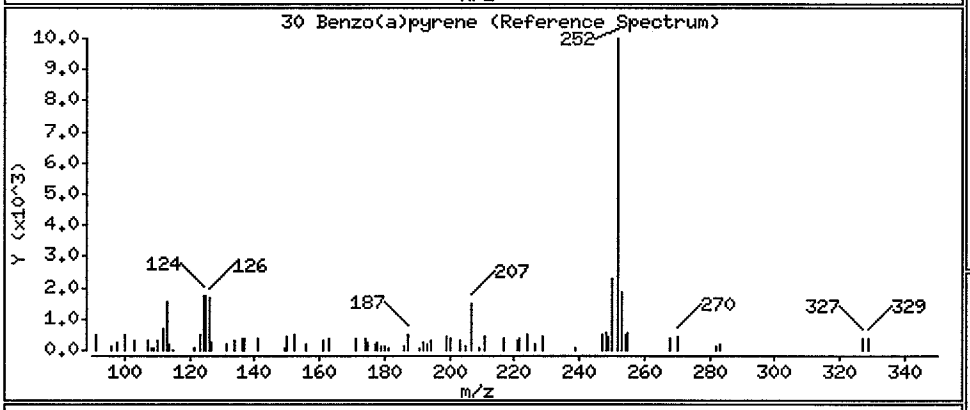
Column diameter: 0.25

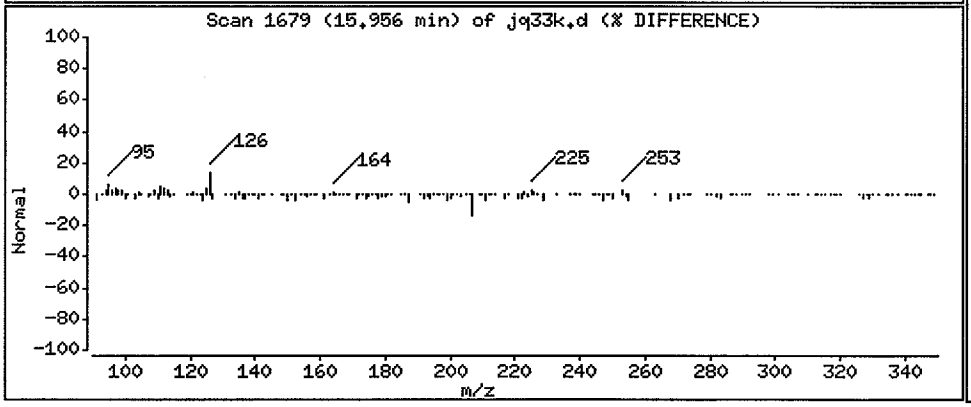
30 Benzo(a)pyrene

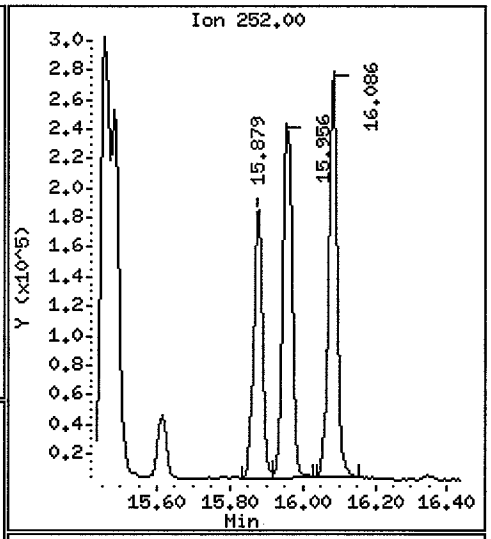
Concentration: 178.6 ug/kg

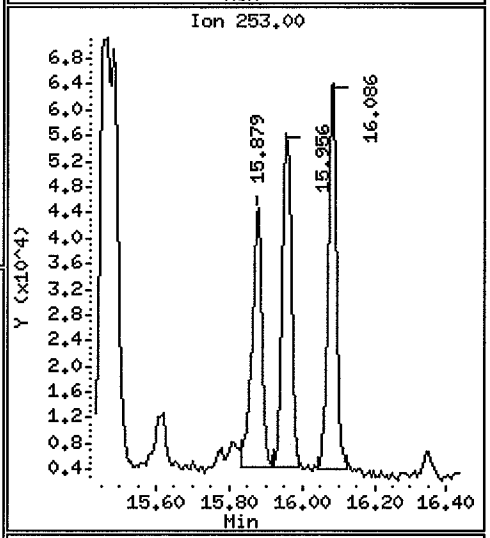


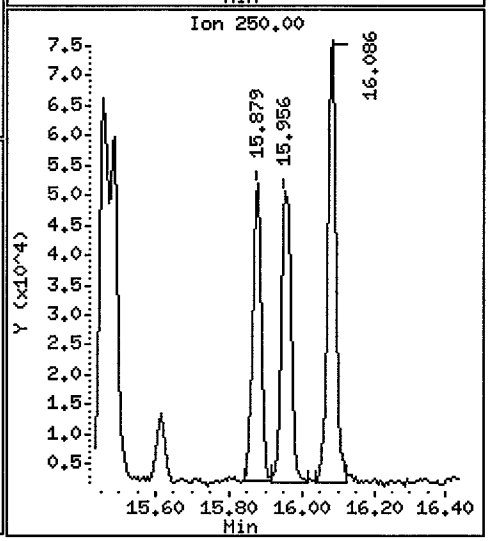












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

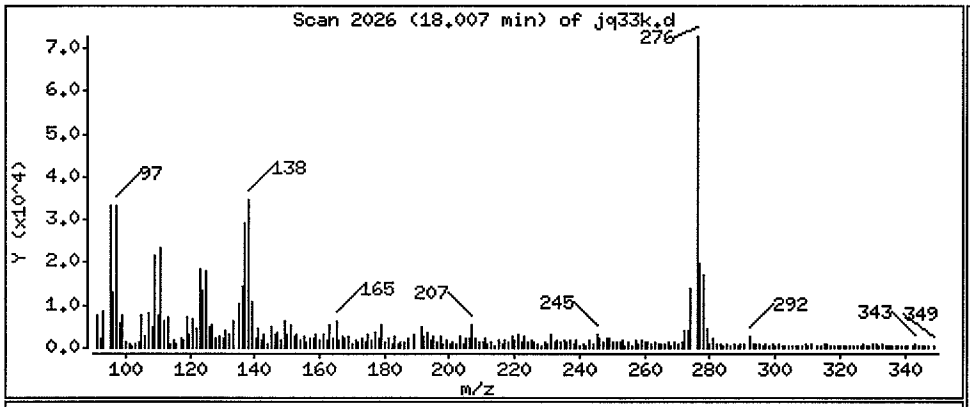
Operator: VTS

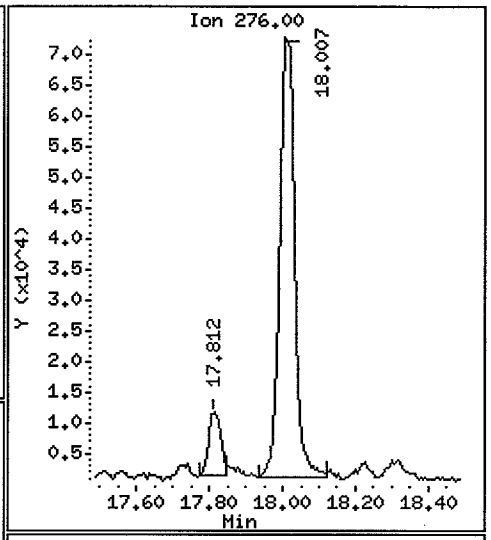
Column phase: ZB-5

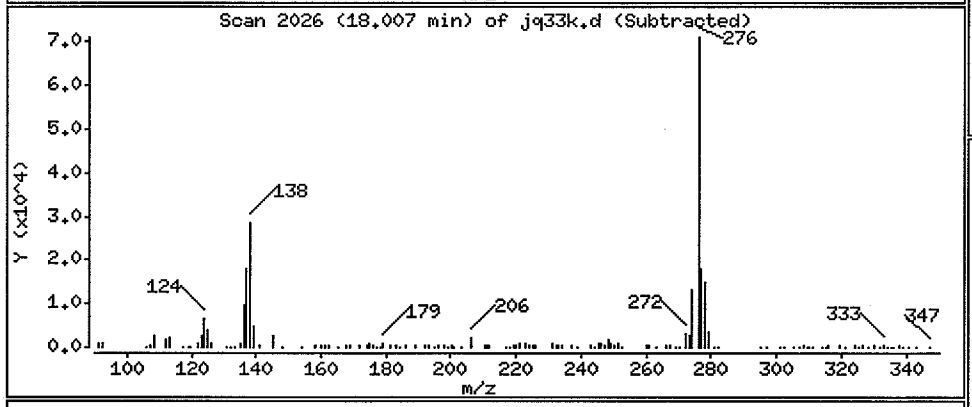
Column diameter: 0.25

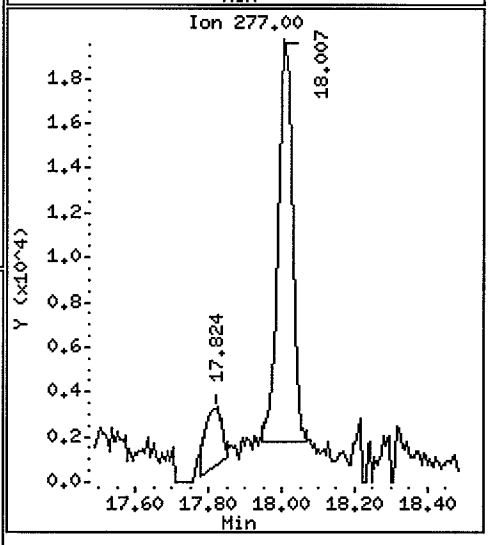
33 Indeno(1,2,3-cd)pyrene

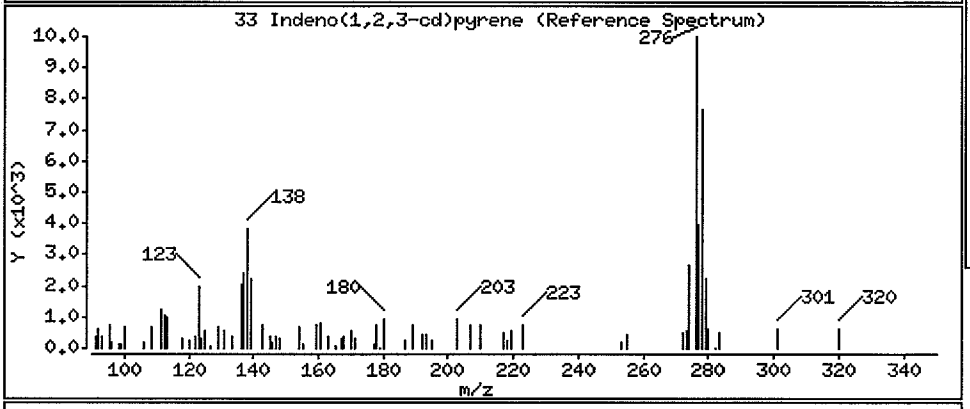
Concentration: 74.98 ug/kg

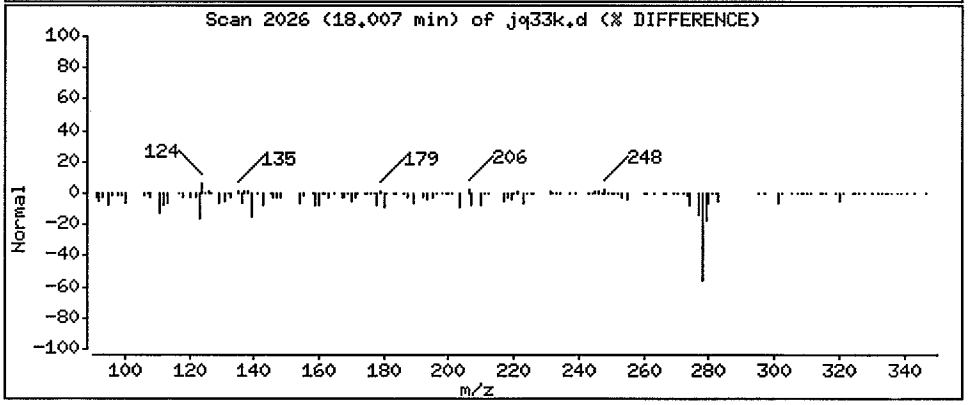












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

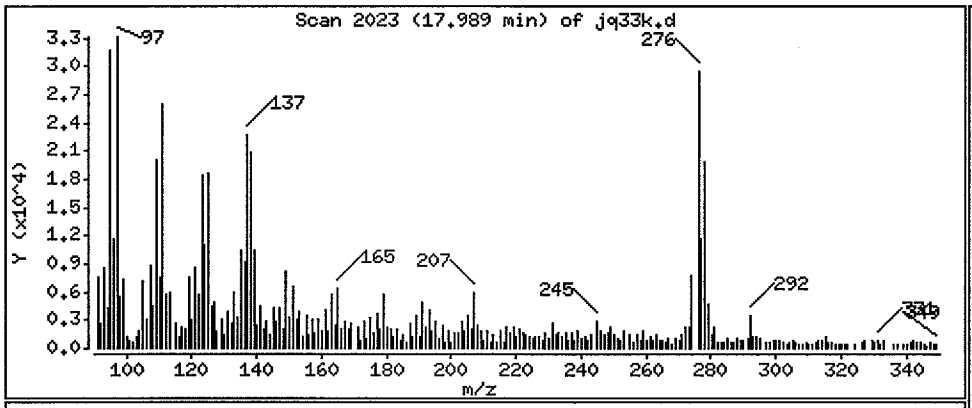
Operator: VTS

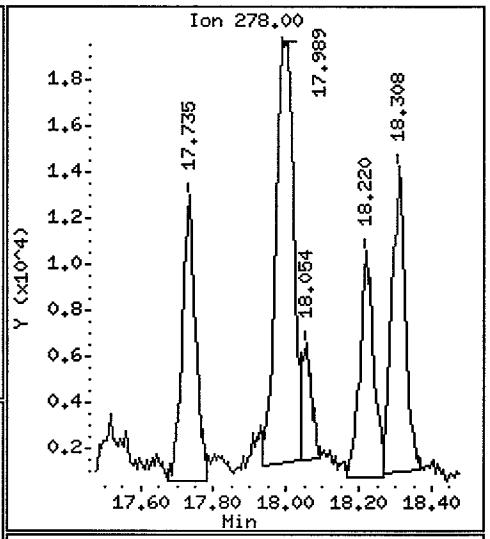
Column phase: ZB-5

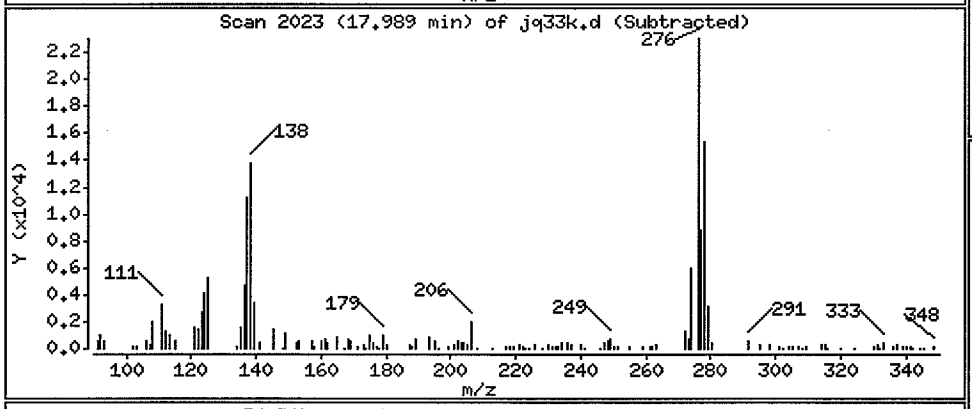
Column diameter: 0.25

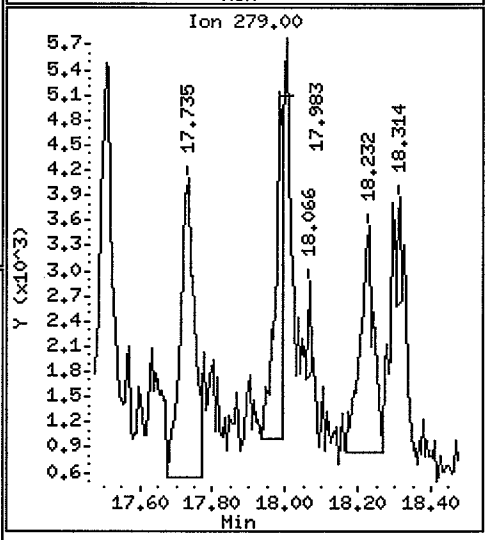
34 Dibenz(a,h)anthracene

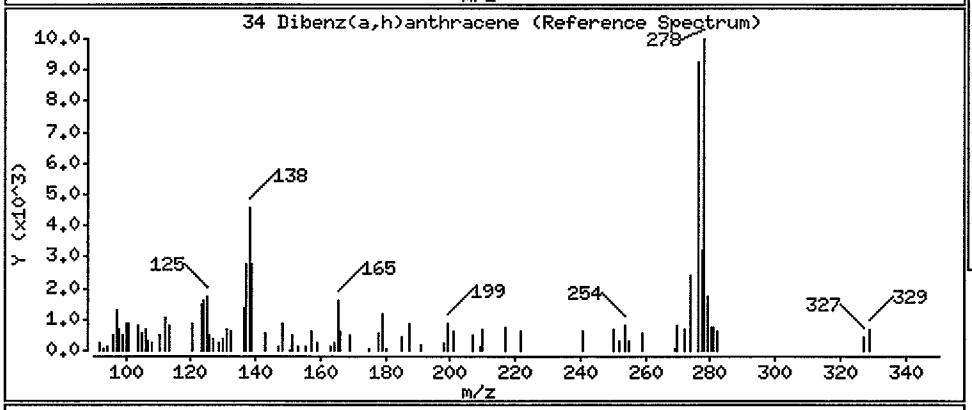
Concentration: 28.99 ug/kg

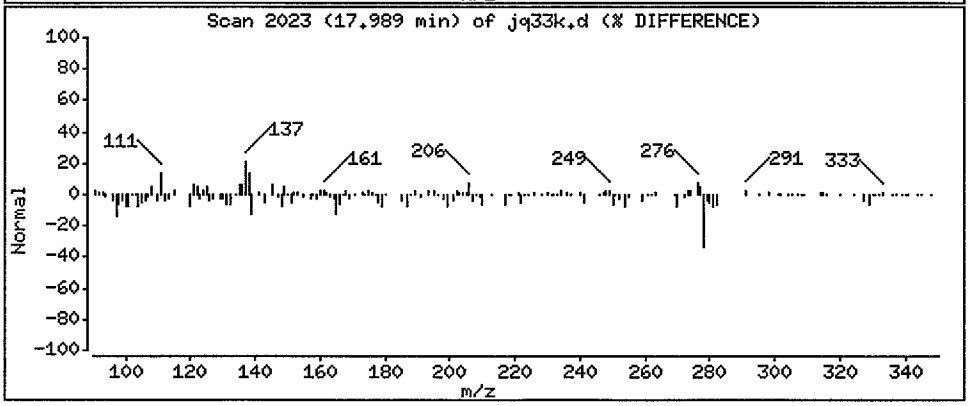












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

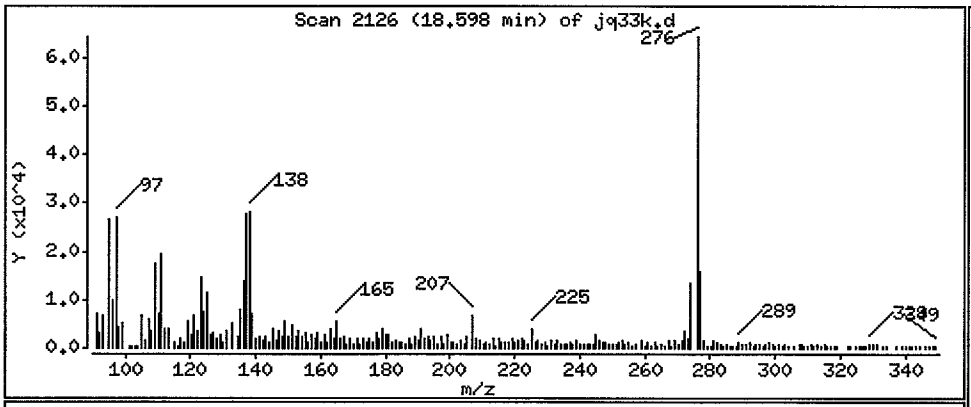
Operator: VTS

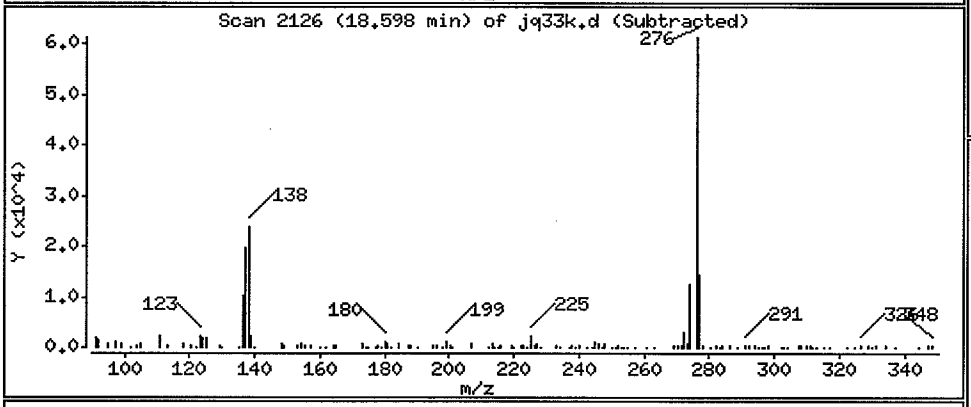
Column phase: ZB-5

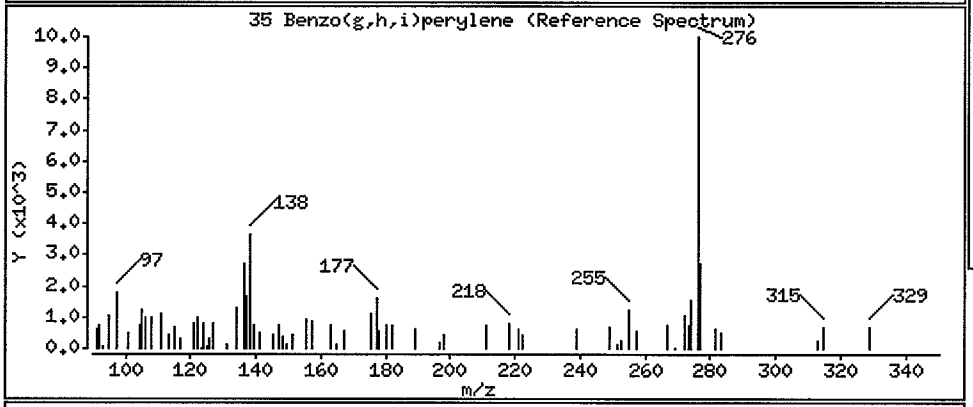
Column diameter: 0.25

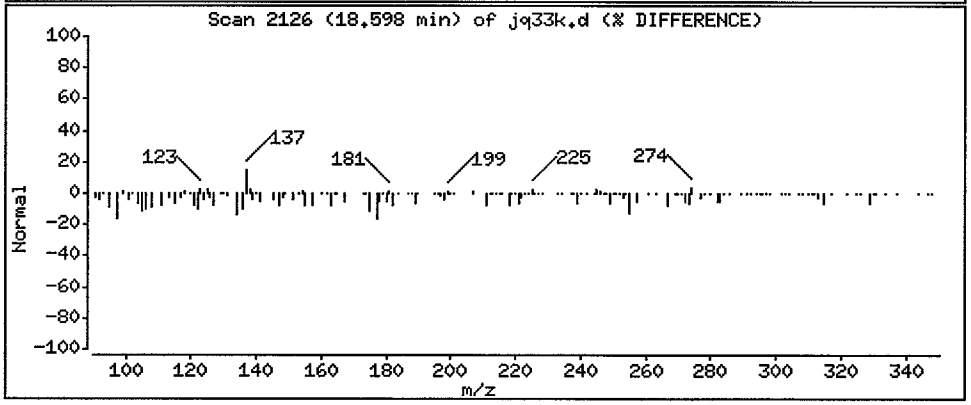
35 Benzo(g,h,i)perylene

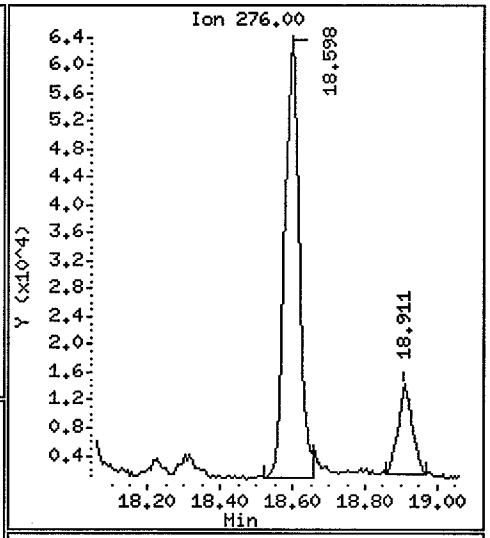
Concentration: 80.24 ug/kg

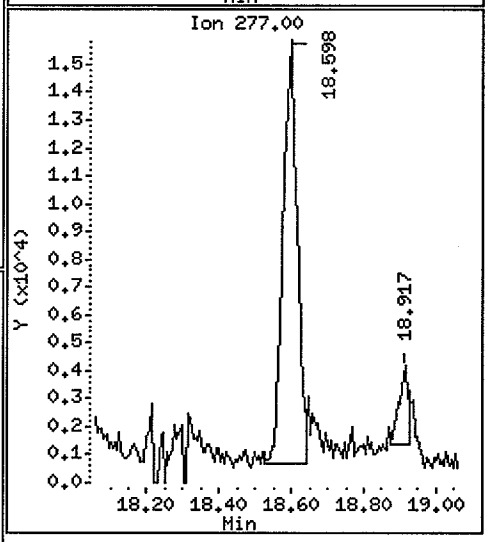












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

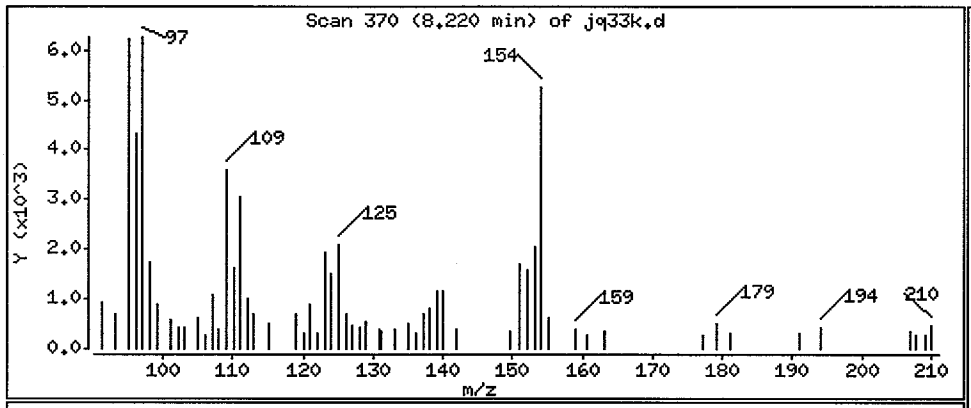
Operator: VTS

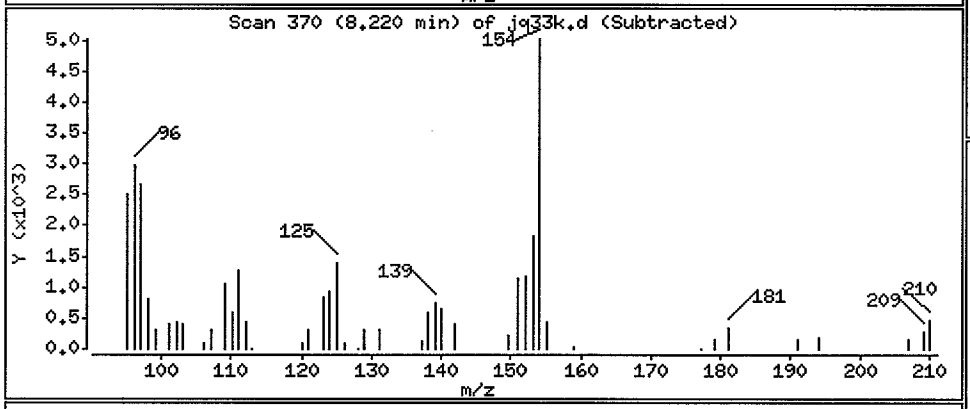
Column phase: ZB-5

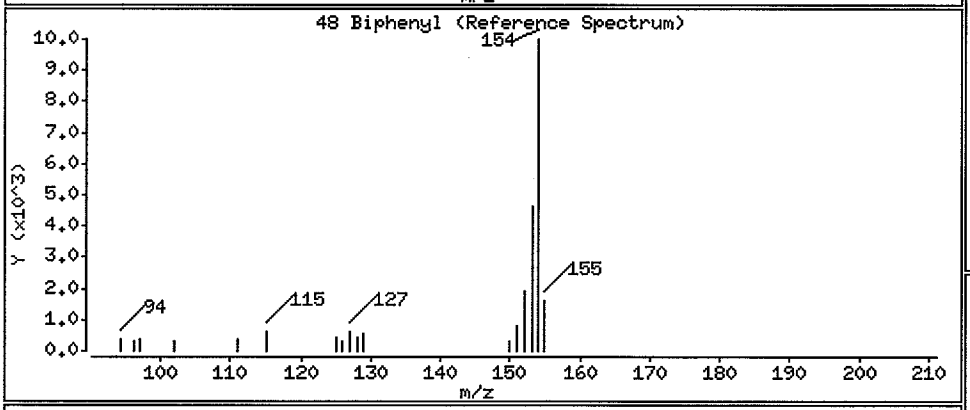
Column diameter: 0.25

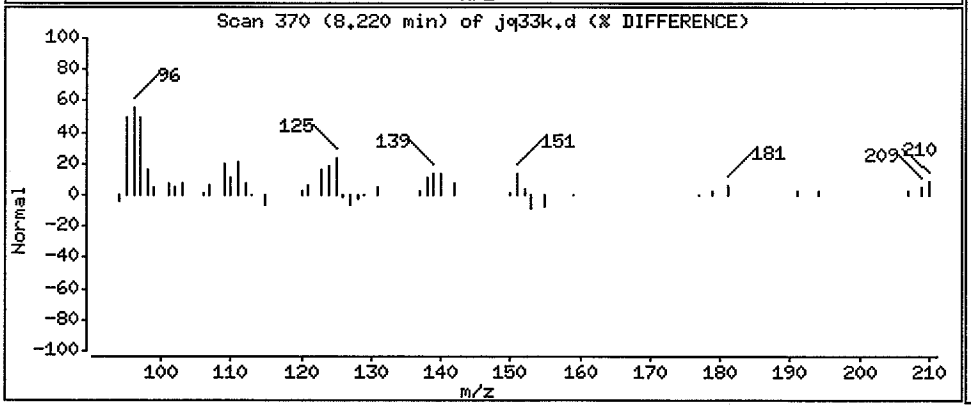
48 Biphenyl

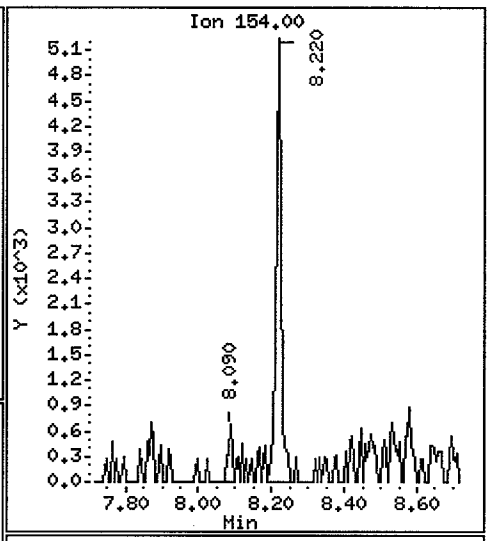
Concentration: 3.278 ug/kg

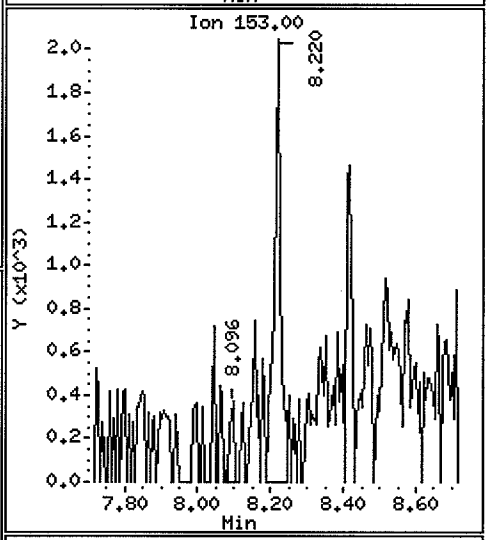


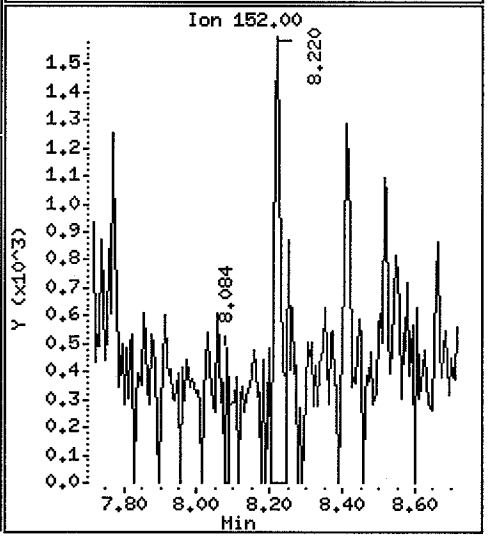












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

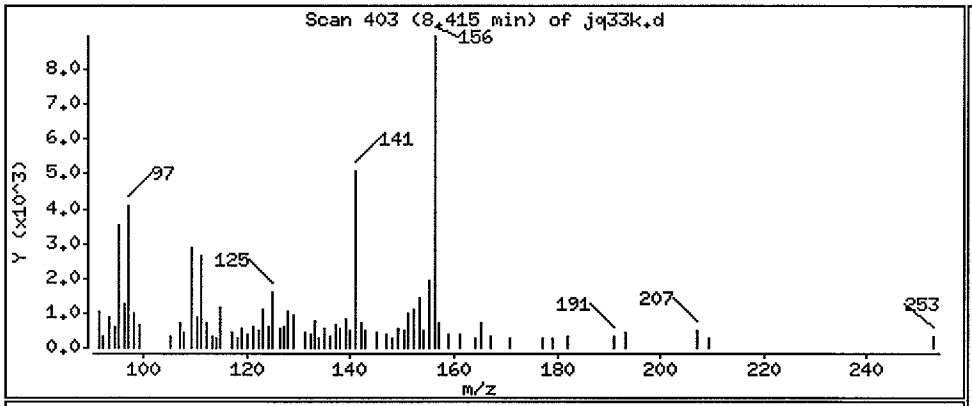
Operator: VTS

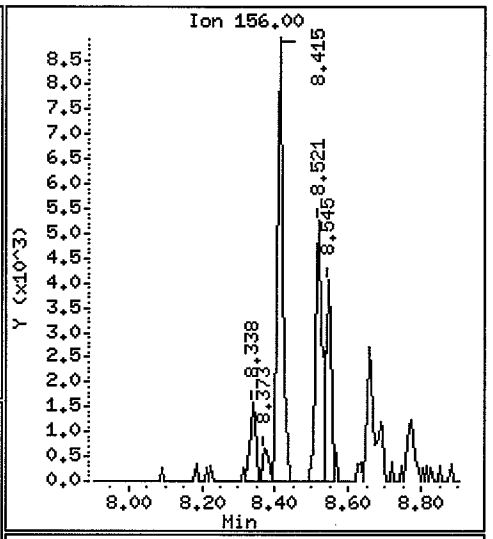
Column phase: ZB-5

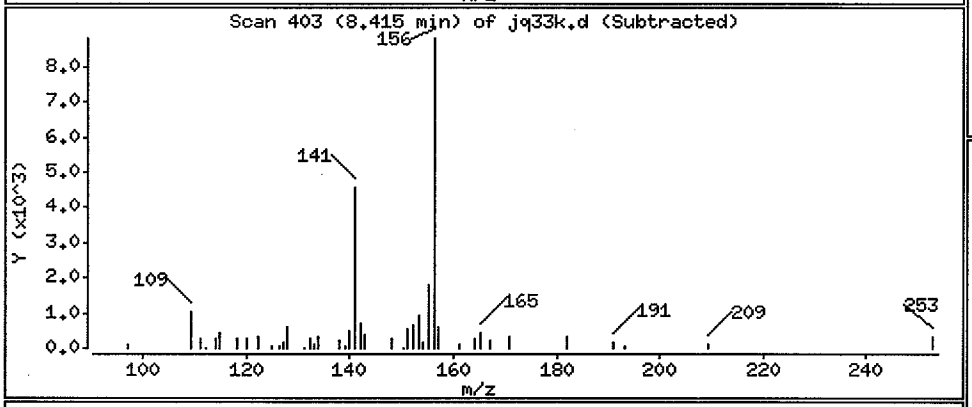
Column diameter: 0.25

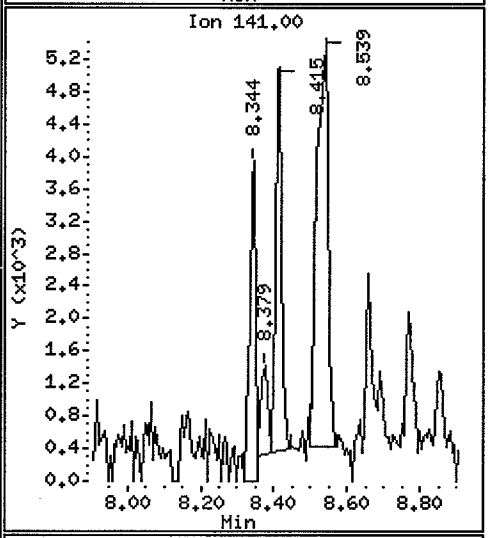
49 2,6-Dimethylnaphthalene

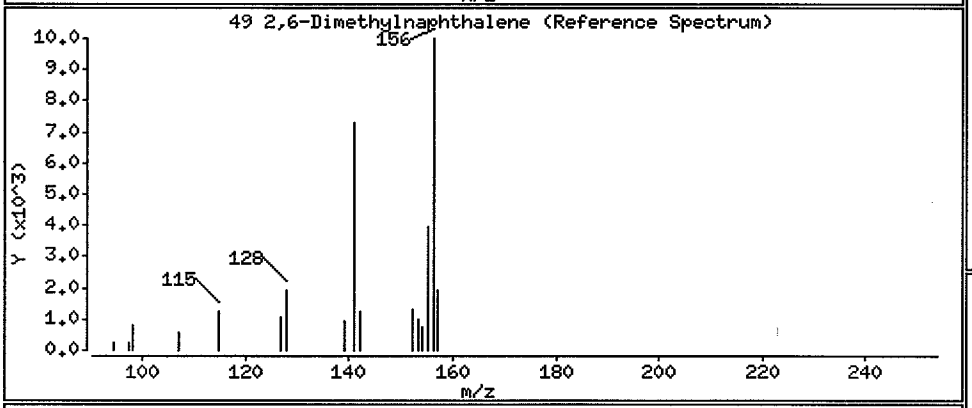
Concentration: 7.345 ug/kg

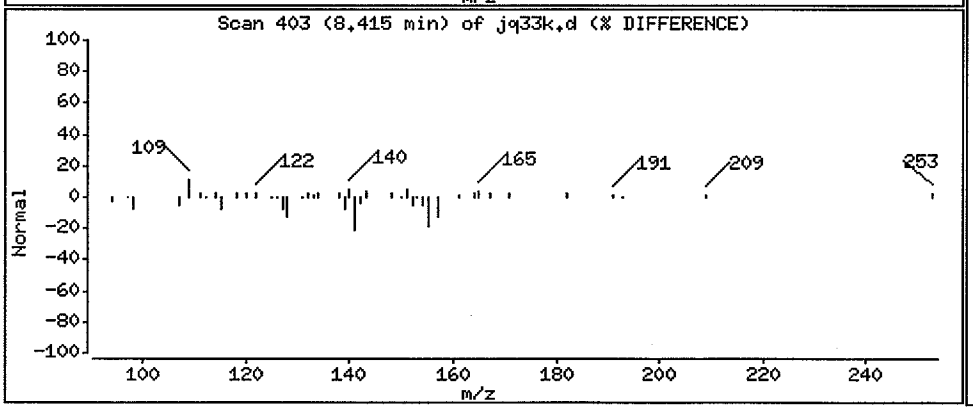


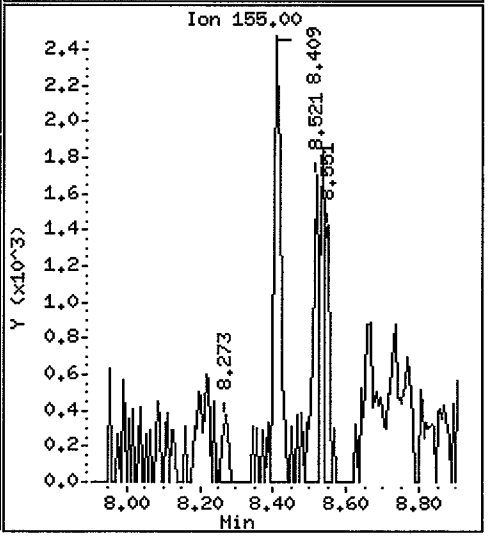












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

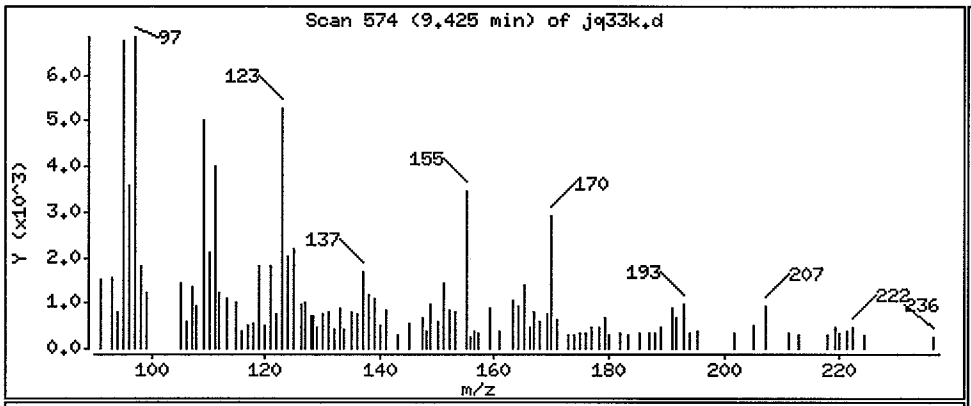
Operator: VTS

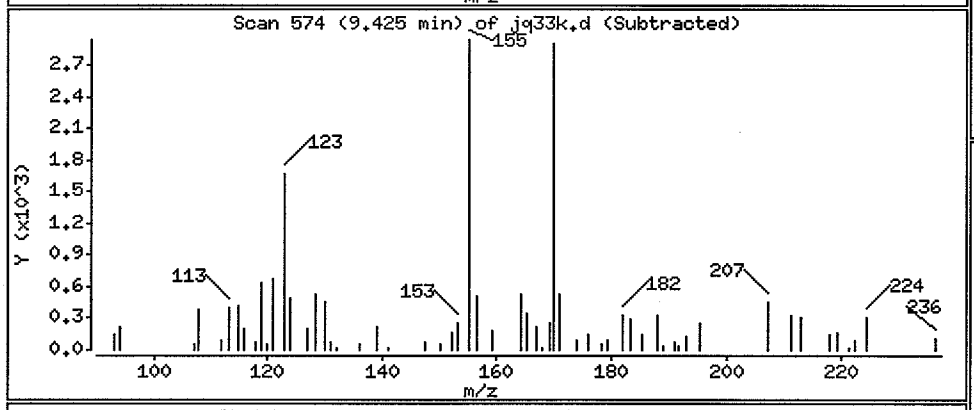
Column phase: ZB-5

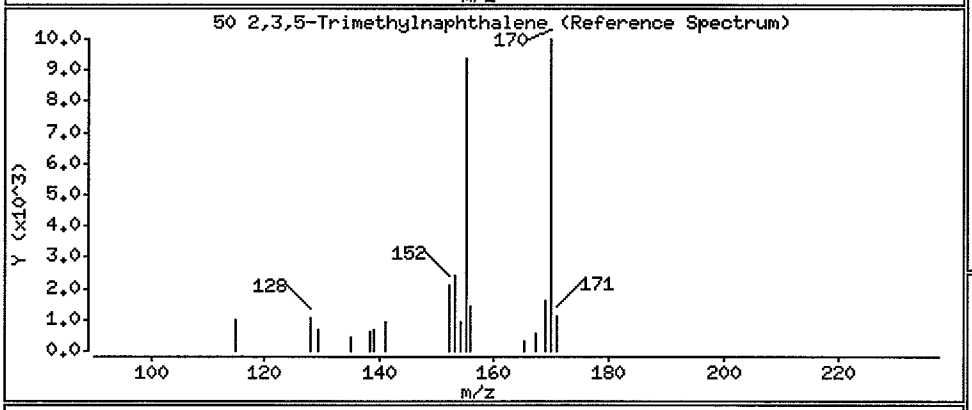
Column diameter: 0.25

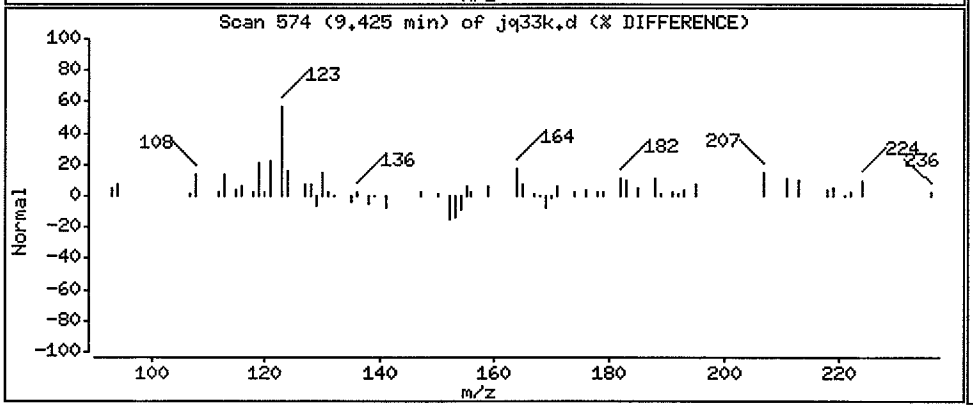
50 2,3,5-Trimethylnaphthalene

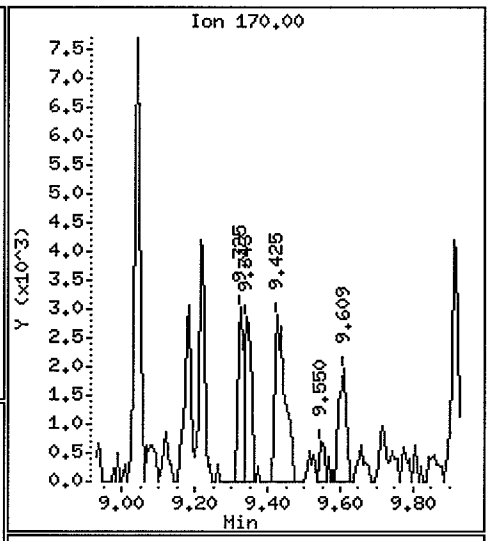
Concentration: 5.475 ug/kg

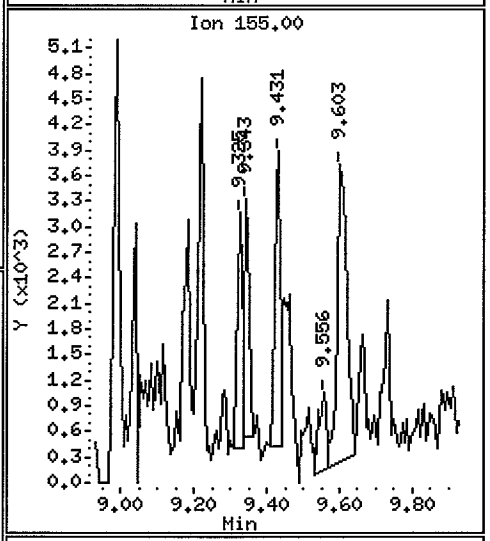


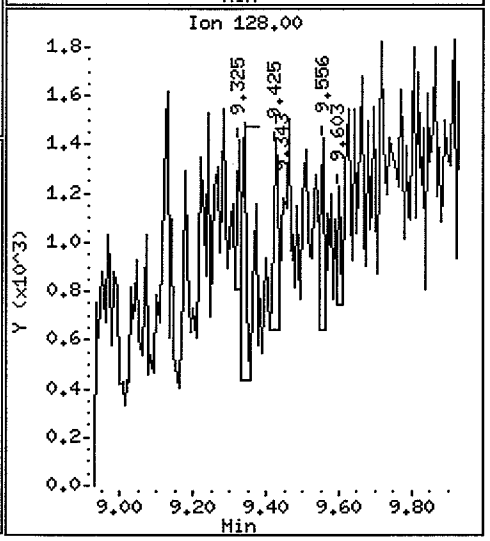












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

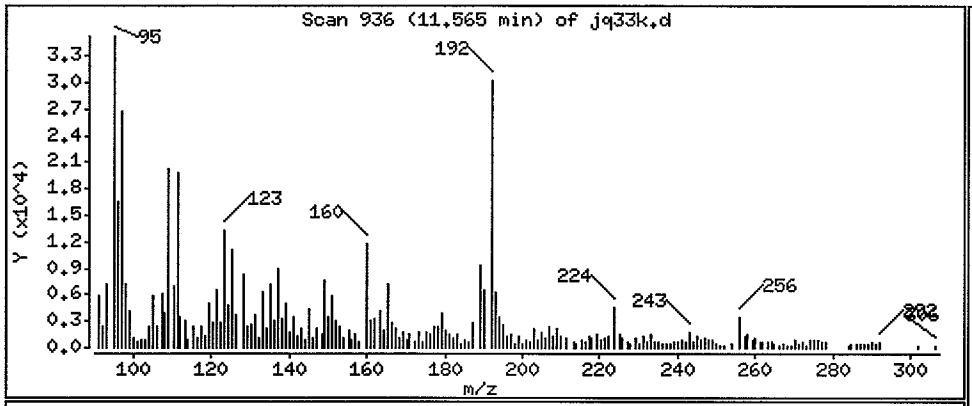
Operator: VTS

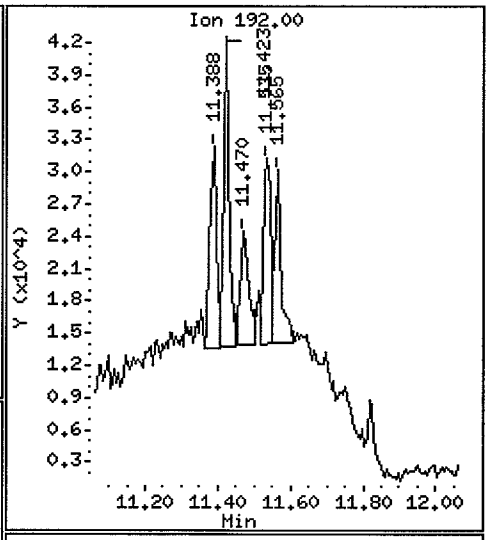
Column phase: ZB-5

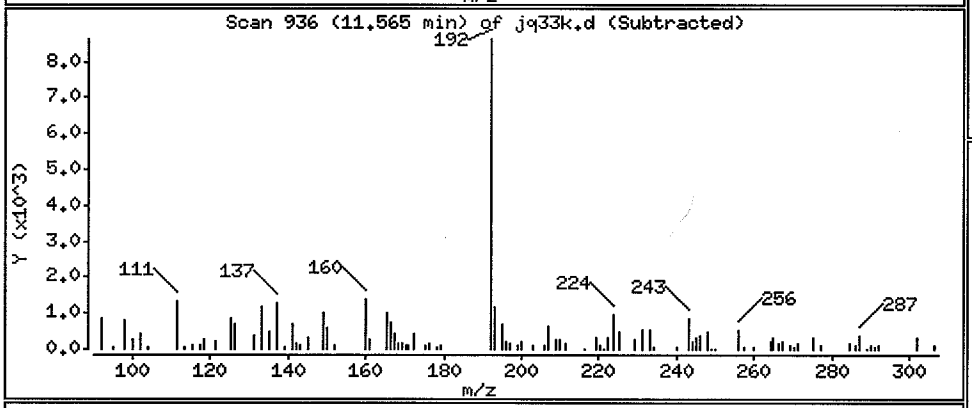
Column diameter: 0.25

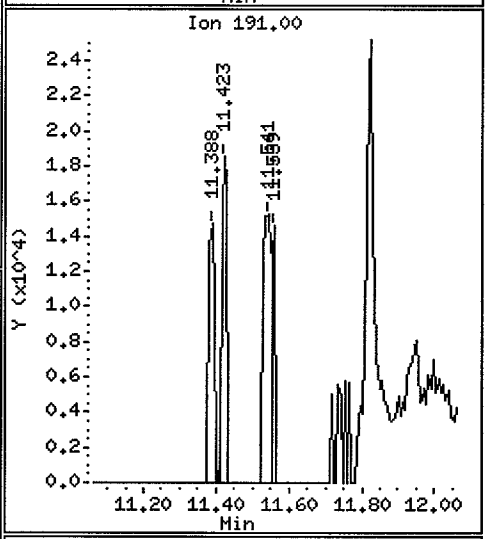
51 1-Methylphenanthrene

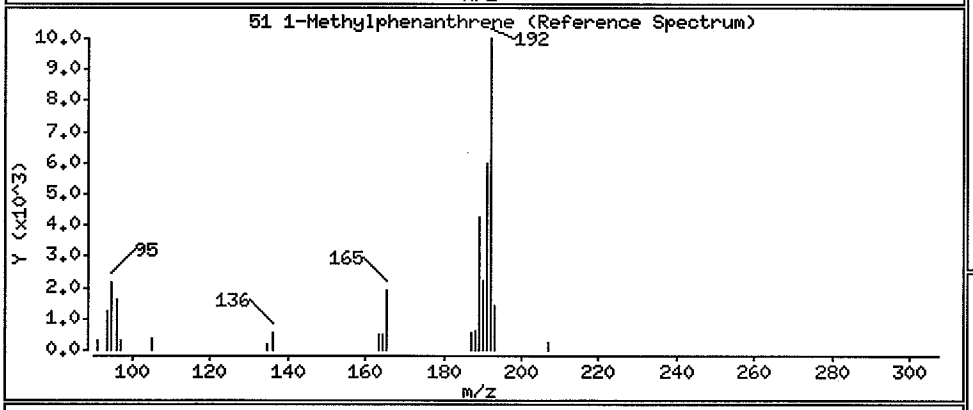
Concentration: 12.16 ug/kg

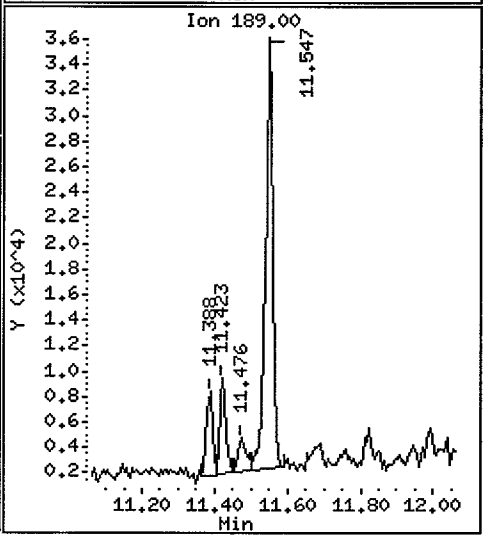


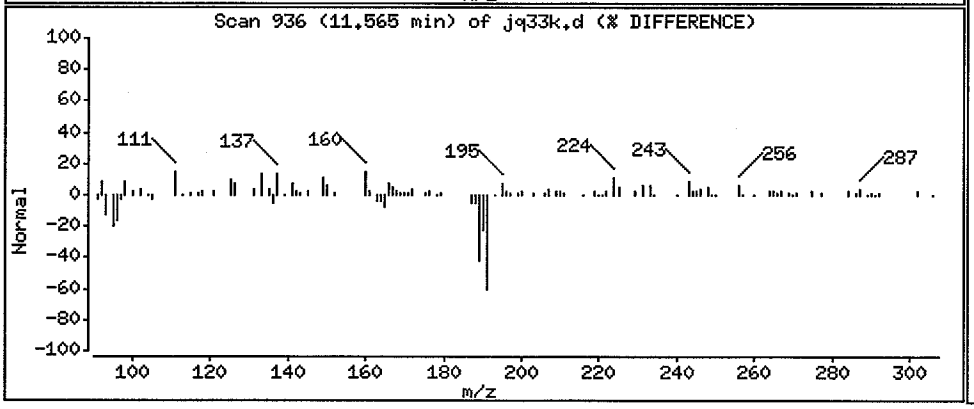












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

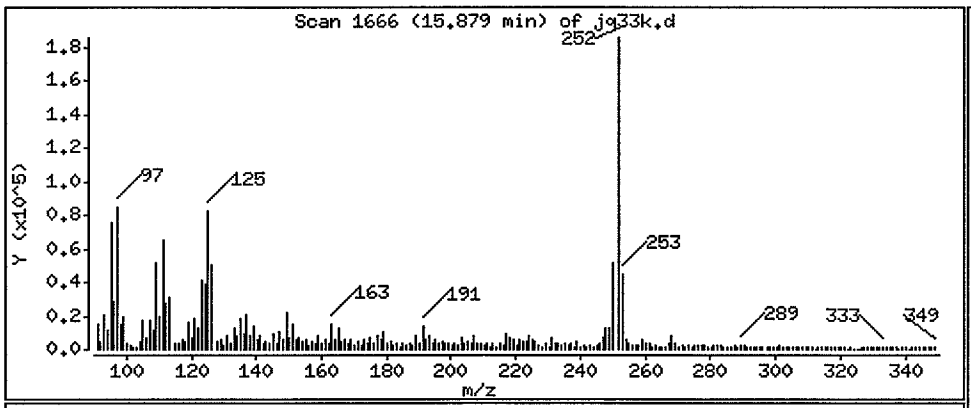
Operator: VTS

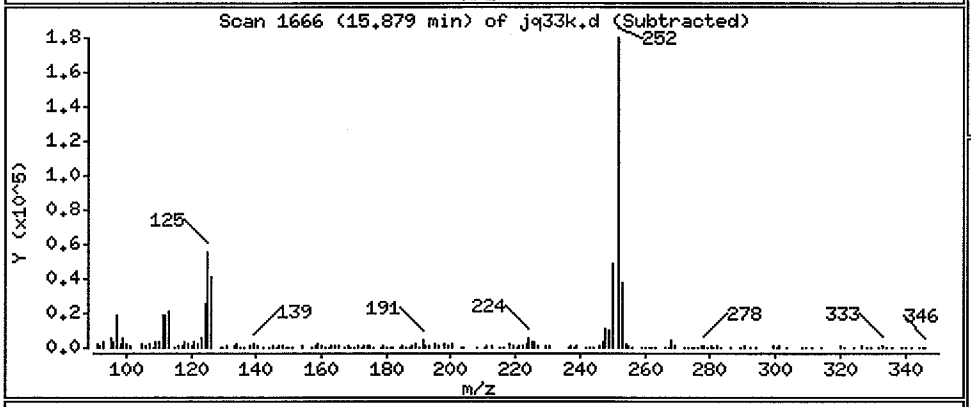
Column phase: ZB-5

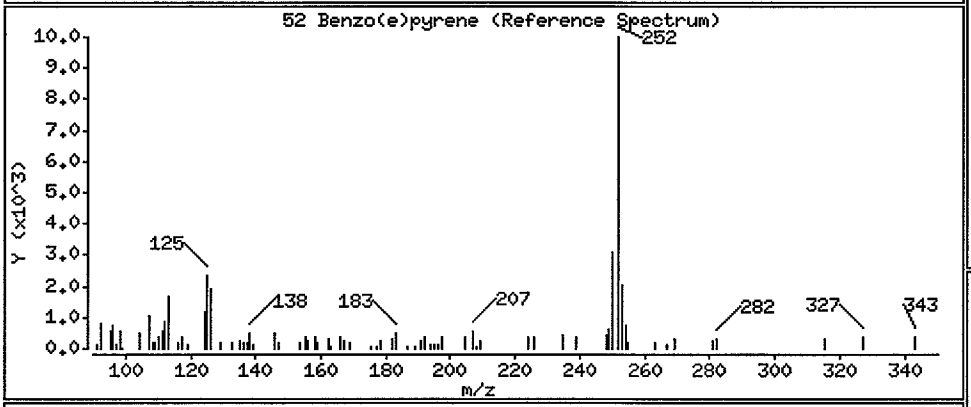
Column diameter: 0.25

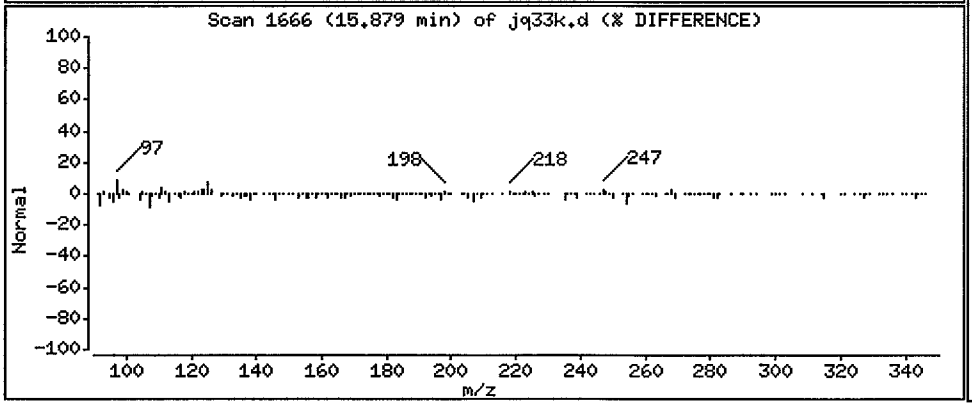
52 Benzo(e)pyrene

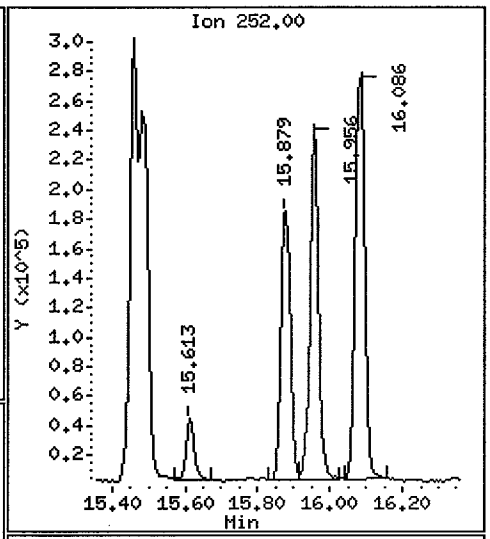
Concentration: 124.8 ug/kg

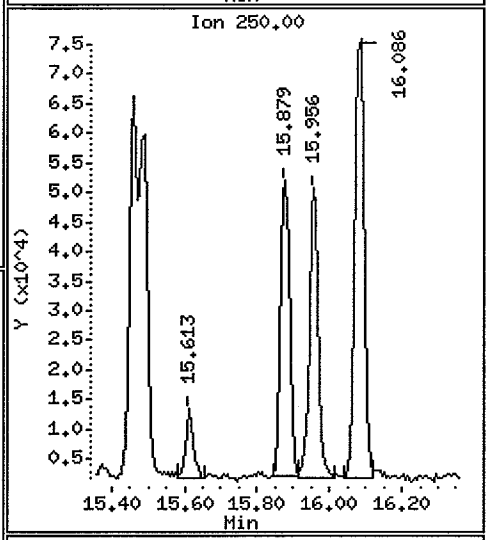


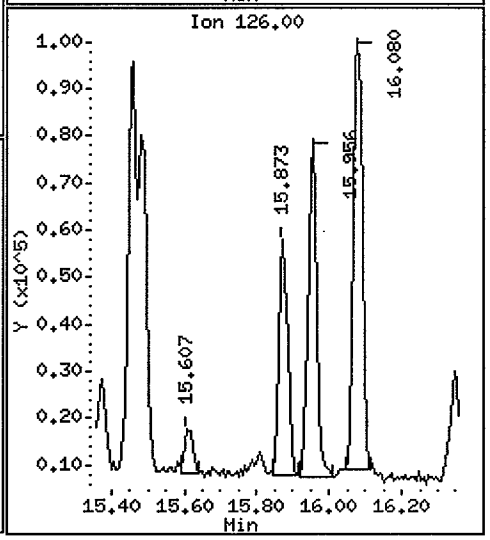












Data File: /chem3/nt1.i/20060804.b/jq33k.d

Date : 04-AUG-2006 19:30

Client ID: T4-B414-04-B

Instrument: nt1.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

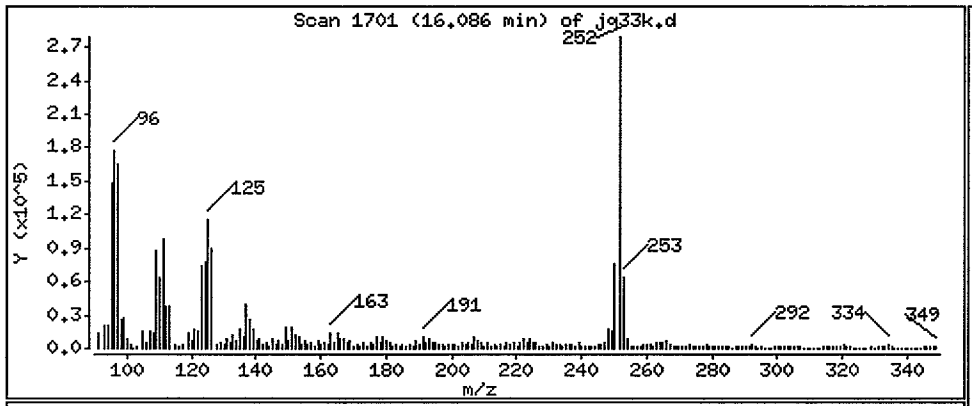
Operator: VTS

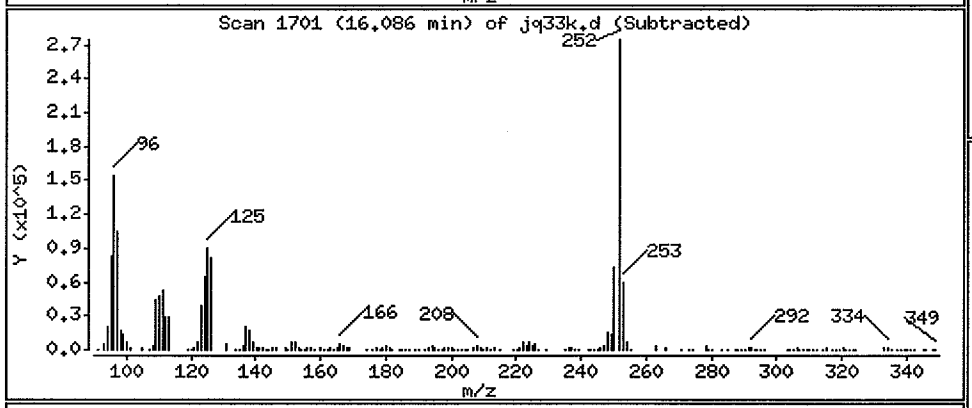
Column phase: ZB-5

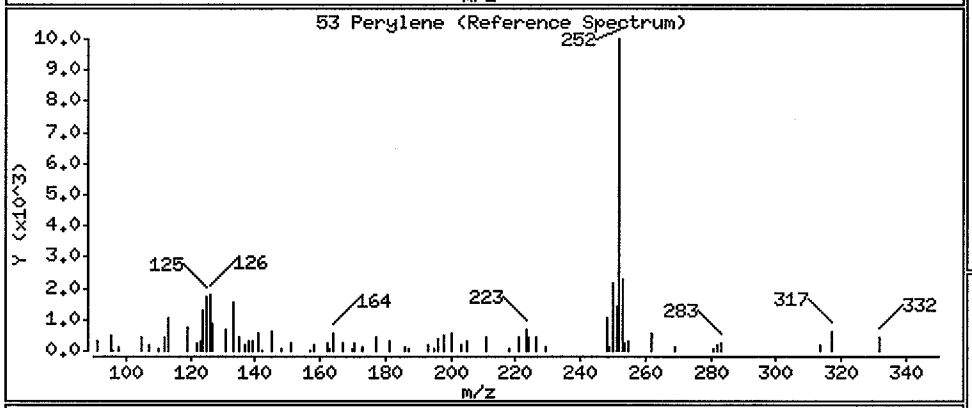
Column diameter: 0.25

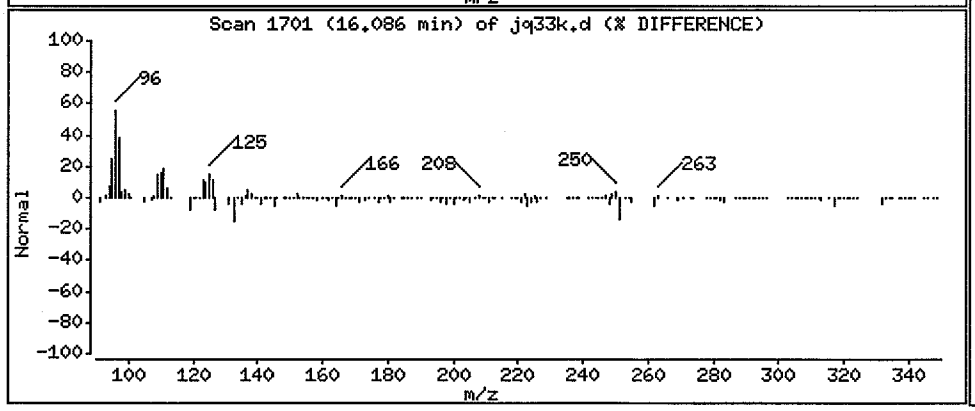
53 Perylene

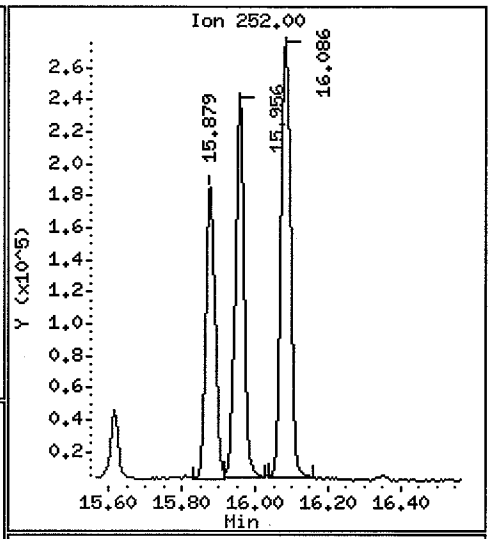
Concentration: 198.2 ug/kg

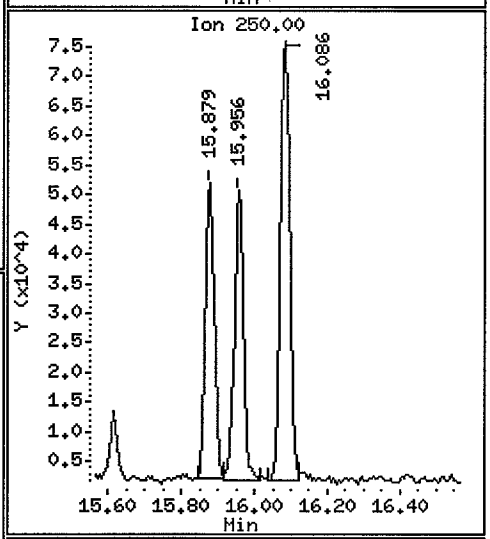


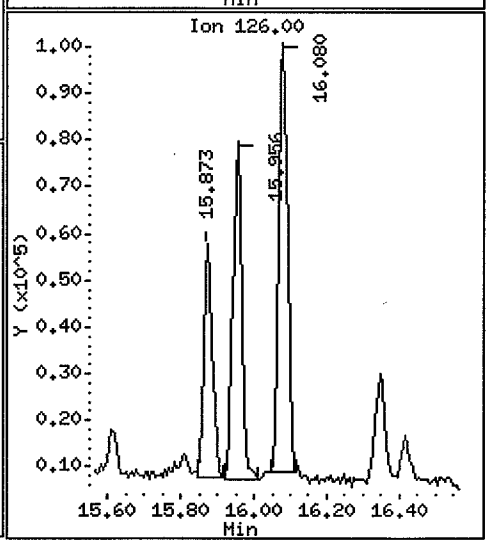












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-04-C
SAMPLE

Lab Sample ID: JQ33L
LIMS ID: 06-12934
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 19:55
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 49.3%
pH: 7.1

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	**50**	**69**	
91-57-6	**2-Methylnaphthalene**	**50**	**30**	**J**
90-12-0	1-Methylnaphthalene	50	< 50	U
208-96-8	Acenaphthylene	50	< 50	U
83-32-9	**Acenaphthene**	**50**	**89**	
86-73-7	**Fluorene**	**50**	**59**	
85-01-8	**Phenanthrene**	**50**	**420**	**B**
120-12-7	**Anthracene**	**50**	**79**	
206-44-0	**Fluoranthene**	**50**	**720**	
129-00-0	**Pyrene**	**50**	**590**	
56-55-3	**Benzo(a)anthracene**	**50**	**350**	
218-01-9	**Chrysene**	**50**	**480**	
205-99-2	**Benzo(b)fluoranthene**	**50**	**520**	
207-08-9	**Benzo(k)fluoranthene**	**50**	**380**	
50-32-8	**Benzo(a)pyrene**	**50**	**430**	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**50**	**200**	
53-70-3	**Dibenz(a,h)anthracene**	**50**	**89**	
191-24-2	**Benzo(g,h,i)perylene**	**50**	**210**	
198-55-0	**Perylene**	**50**	**330**	
92-52-4	Biphenyl	50	< 50	U
581-42-0	2,6-Dimethylnaphthalene	50	< 50	U
832-69-9	1-Methylphenanthrene	50	< 50	U
192-97-2	**Benzo(e)pyrene**	**50**	**310**	
2245-38-7	2,3,5-Trimethylnaphthalene	50	< 50	U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	73.3%
d14-Dibenzo(a,h)anthracen	68.0%

YZ 8/8/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33l10.d
Lab Smp Id: JQ33L Client Smp ID: T4-B414-04-C
Inj Date : 04-AUG-2006 19:55
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33L,10
Misc Info : 06-12934
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 24
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	19.90000	Weight of sample extracted (g)
M	49.30000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.884	6.883	(1.000)	244088	2.00000	
	2 Naphthalene	128	6.907	6.907	(1.003)	16723	0.13736	68.07
$	3 2-Methylnaphthalene-d10	152	7.640	7.640	(1.110)	13840	0.22014	109.1
	4 2-Methylnaphthalene	142	7.676	7.681	(1.115)	4082	0.05661 J	28.06
	5 1-Methylnaphthalene	142	Compound Not Detected.					
	7 Acenaphthylene	152	Compound Not Detected.					
*	8 Acenaphthene-d10	164	8.946	8.946	(1.000)	139139	2.00000	
	9 Acenaphthene	153	8.988	8.987	(1.005)	11971	0.17522	86.84
	10 Dibenzofuran	168	Compound Not Detected.					
	11 Fluorene	166	9.596	9.596	(1.073)	9179	0.11717	58.06
*	15 Phenanthrene-d10	188	10.761	10.760	(1.000)	216520	2.00000	
	16 Phenanthrene	178	10.790	10.790	(1.003)	93653	0.84269 B	417.6
	17 Anthracene	178	10.843	10.843	(1.008)	17861	0.16082	79.70
	19 Fluoranthene	202	12.286	12.279	(1.142)	165085	1.45634	721.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	20 Pyrene	202	12.569	12.569	(0.893)	150028	1.19003	589.8
	22 Benzo(a)anthracene	228	14.053	14.052	(0.998)	83190	0.70364	348.7
*	23 Chrysene-d12	240	14.076	14.070	(1.000)	196332	2.00000	
	24 Chrysene	228	14.106	14.105	(1.002)	106713	0.97858	485.0
	28 Benzo(b)fluoranthene	252	15.447	15.447	(0.964)	113816	1.06067	525.6
	29 Benzo(k)fluoranthene	252	15.477	15.476	(0.966)	87531	0.76515	379.2
	30 Benzo(a)pyrene	252	15.944	15.938	(0.995)	90178	0.86246	427.4
*	31 Perylene-d12	264	16.027	16.026	(1.000)	190131	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.989	17.988	(1.122)	48916	0.40681	201.6
$	32 Dibenz(a,h)anthrancene-d14	292	17.912	17.906	(1.118)	14868	0.20434	101.3
	34 Dibenz(a,h)anthracene	278	17.965	17.976	(1.121)	17959	0.18283	90.60(M)
	35 Benzo(g,h,i)perylene	276	18.568	18.562	(1.159)	43453	0.43474	215.4
	48 Biphenyl	154	Compound Not Detected.					
	49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
	50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
	51 1-Methylphenanthrene	192	Compound Not Detected.					
	52 Benzo(e)pyrene	252	15.867	15.861	(0.990)	72965	0.63043	312.4
	53 Perylene	252	16.068	16.068	(1.003)	71554	0.65845	326.3

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33l10.d
Lab Smp Id: JQ33L
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12934

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: T4-B414-04-C
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	244088	9.55
8 Acenaphthene-d10	123591	61796	247182	139139	12.58
15 Phenanthrene-d10	200797	100398	401594	216520	7.83
23 Chrysene-d12	171210	85605	342420	196332	14.67
31 Perylene-d12	183426	91713	366852	190131	3.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.01
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.01
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.01
23 Chrysene-d12	14.08	13.58	14.58	14.08	-0.01
31 Perylene-d12	16.03	15.53	16.53	16.03	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

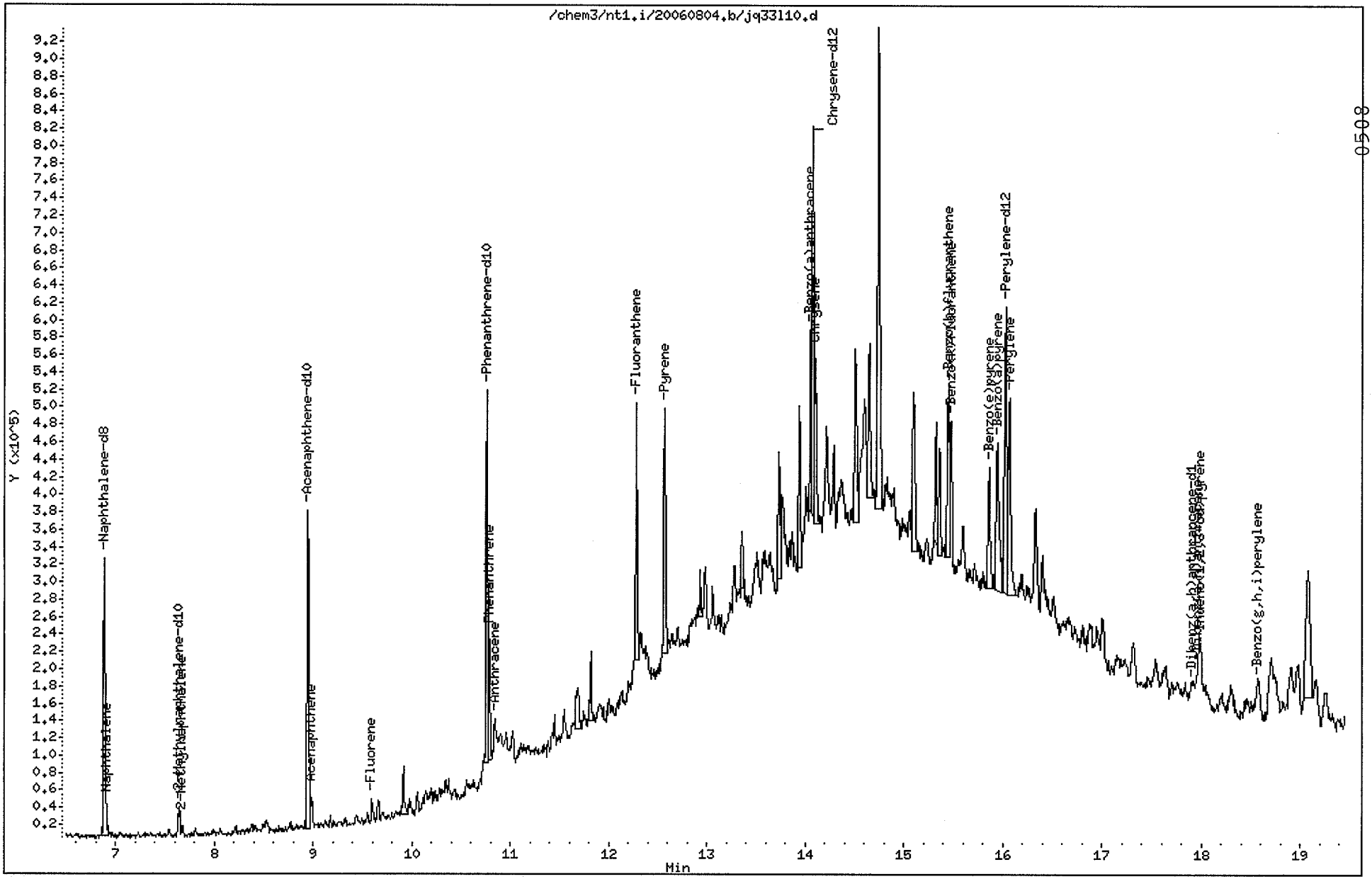
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33L
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12934

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-04-C
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	148.7	109.1	73.38	32-97
$ 32 Dibenz(a,h)anthran	148.7	101.3	68.11	21-105

Data File: /chem3/nt1.i/20060804.b/jq33110.d
Date : 04-AUG-2006 19:55
Client ID: T4-B414-04-C
Sample Info: JQ33L,10
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



Data File: /chem3/nt1.i/20060804.b/jq33110.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

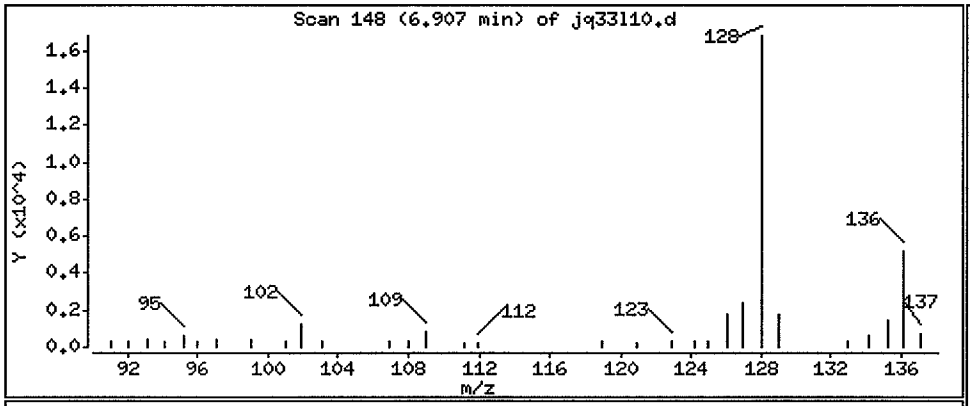
Operator: VTS

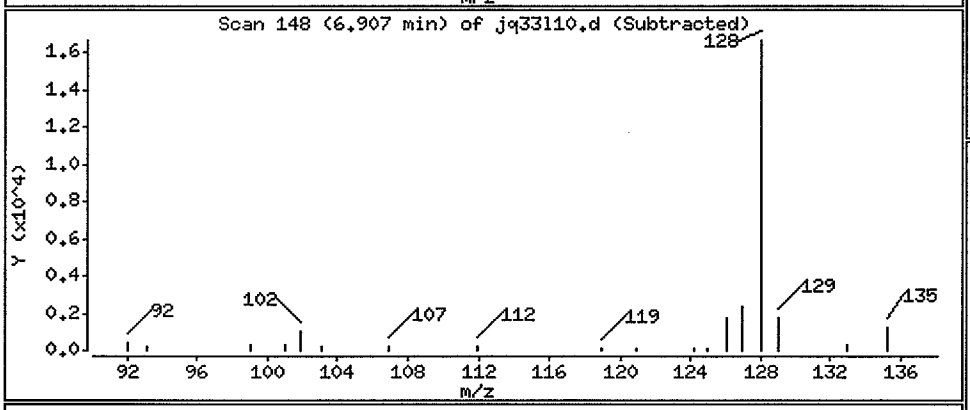
Column phase: ZB-5

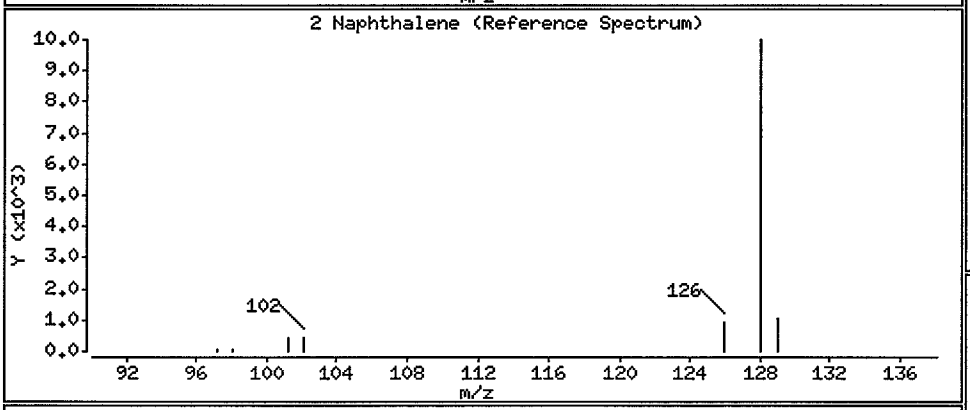
Column diameter: 0.25

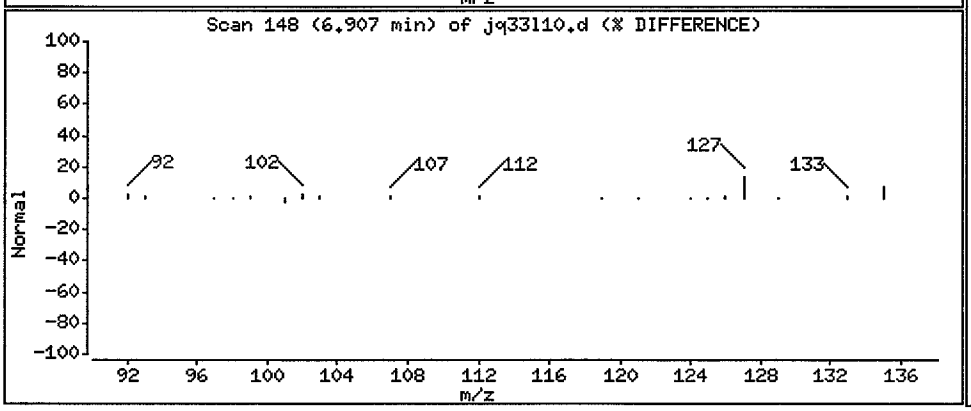
2 Naphthalene

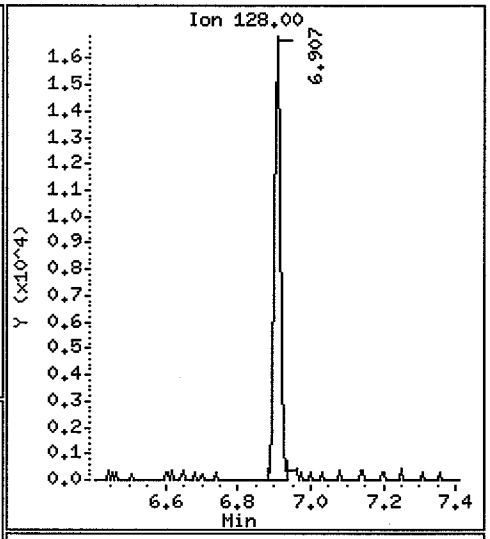
Concentration: 68.07 ug/kg

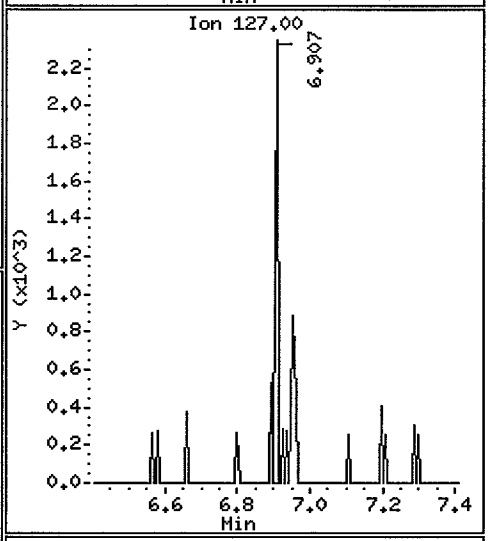


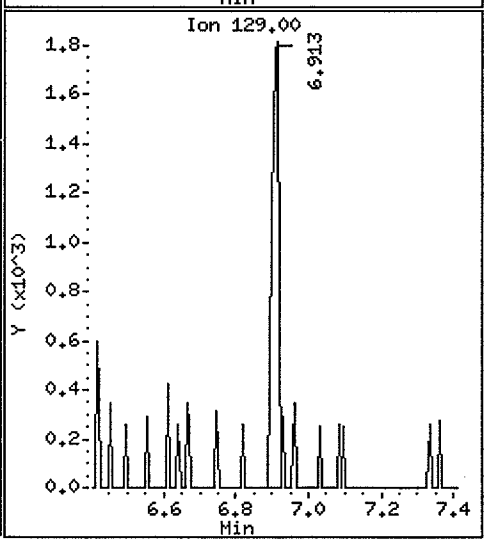












Data File: /chem3/nt1.i/20060804.b/jq33l10.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

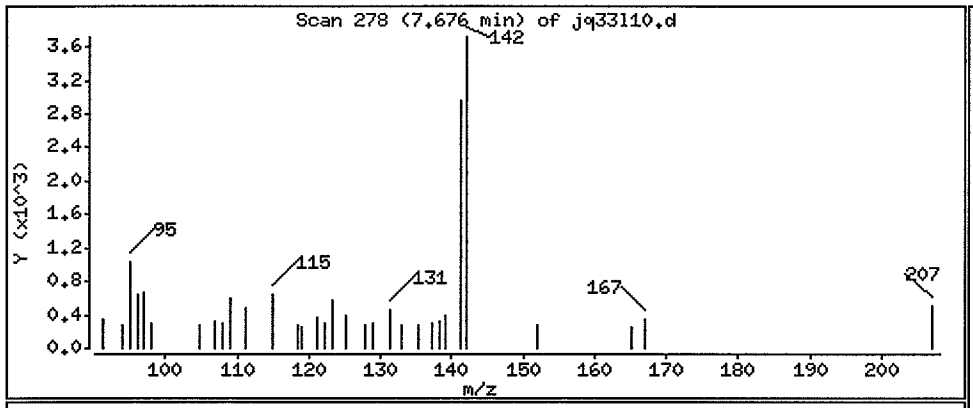
Operator: VTS

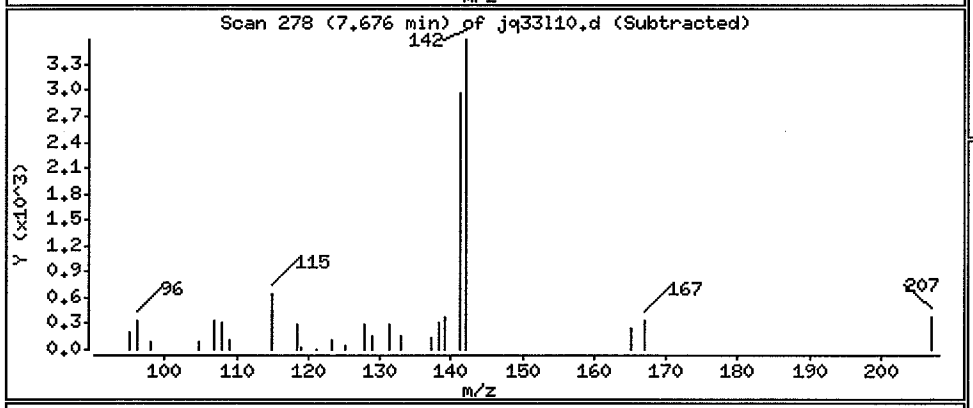
Column phase: ZB-5

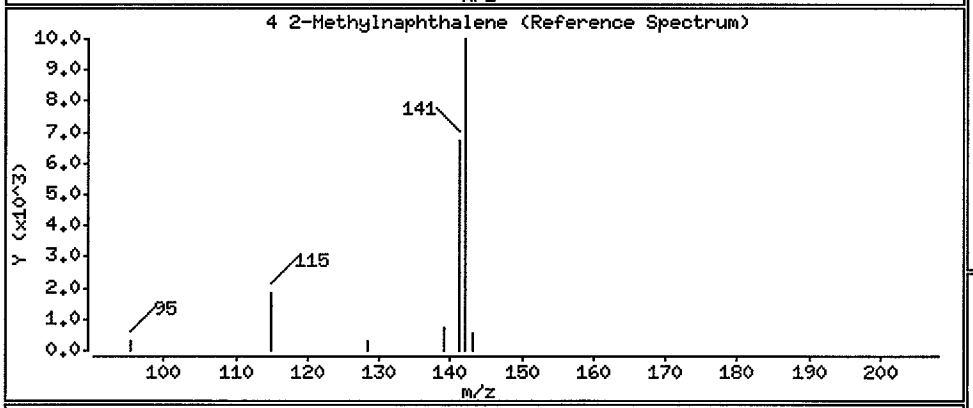
Column diameter: 0.25

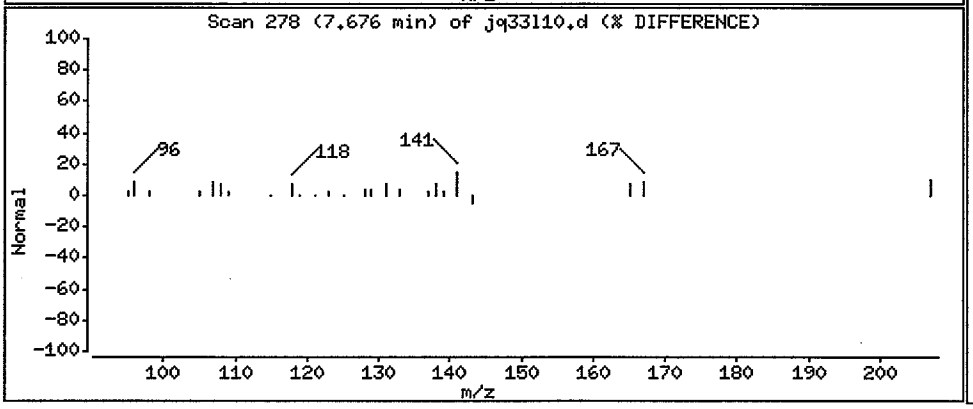
4 2-Methylnaphthalene

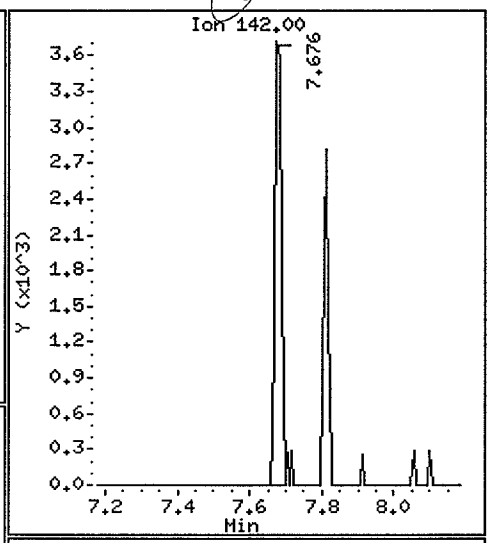
Concentration: 28.06 ug/kg

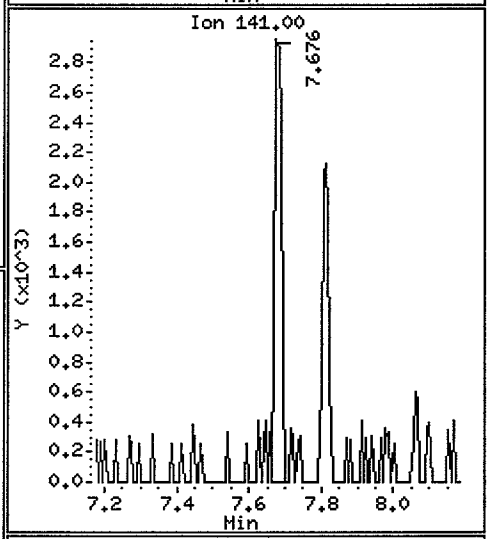


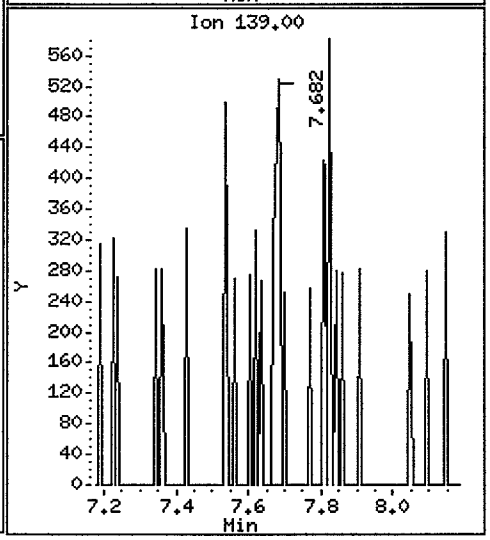












Data File: /chem3/nt1.i/20060804.b/jq33l10.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

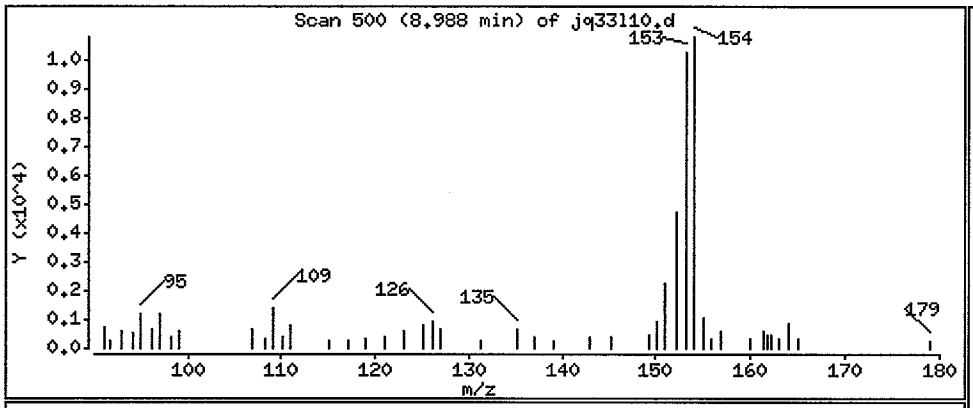
Operator: VTS

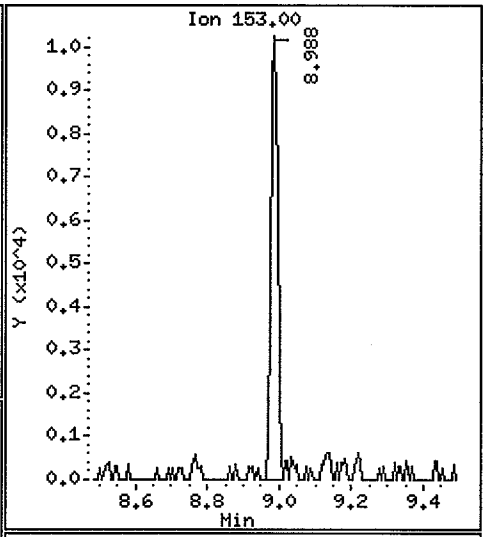
Column phase: ZB-5

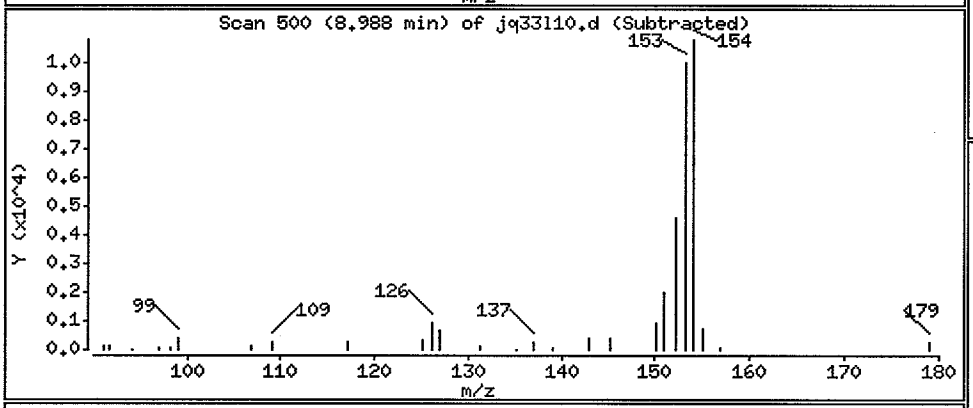
Column diameter: 0.25

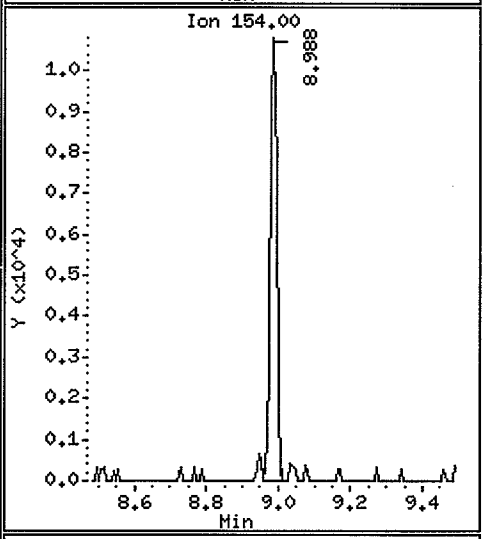
9 Acenaphthene

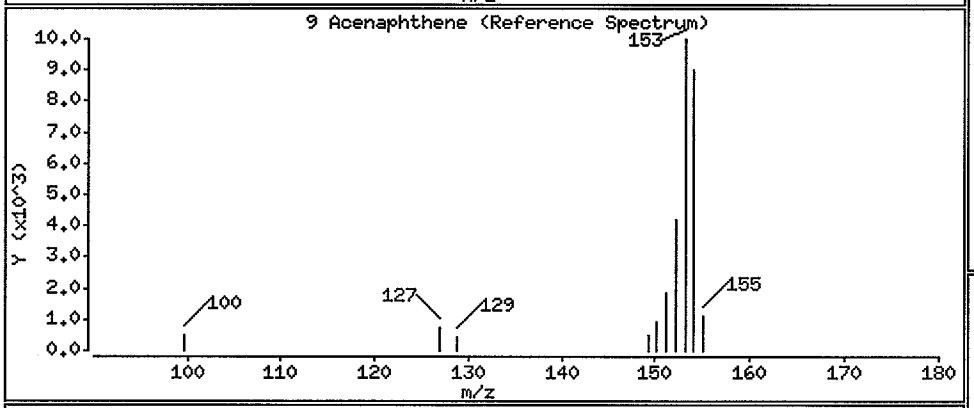
Concentration: 86.84 ug/kg

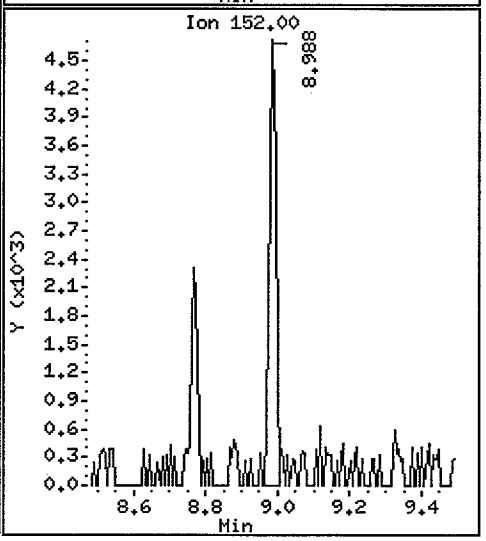


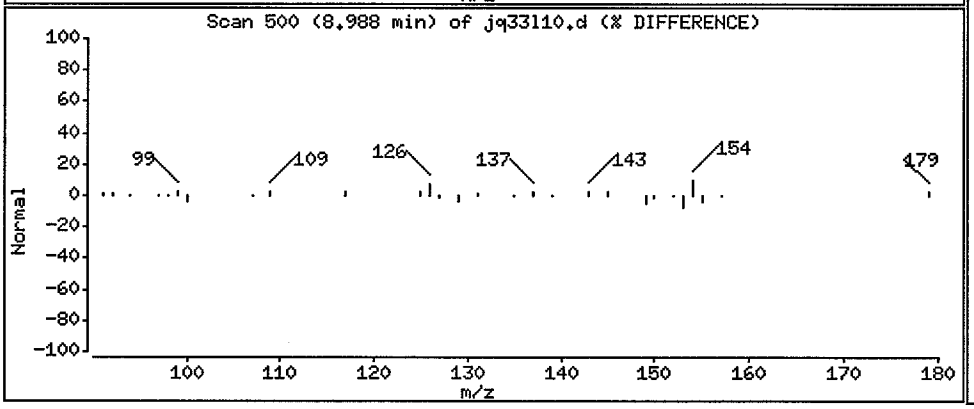












Data File: /chem3/nt1.i/20060804.b/jq33110.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

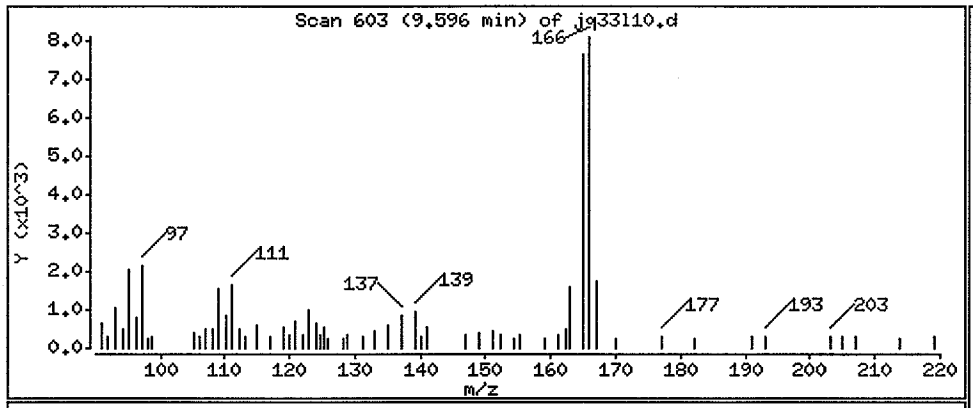
Operator: VTS

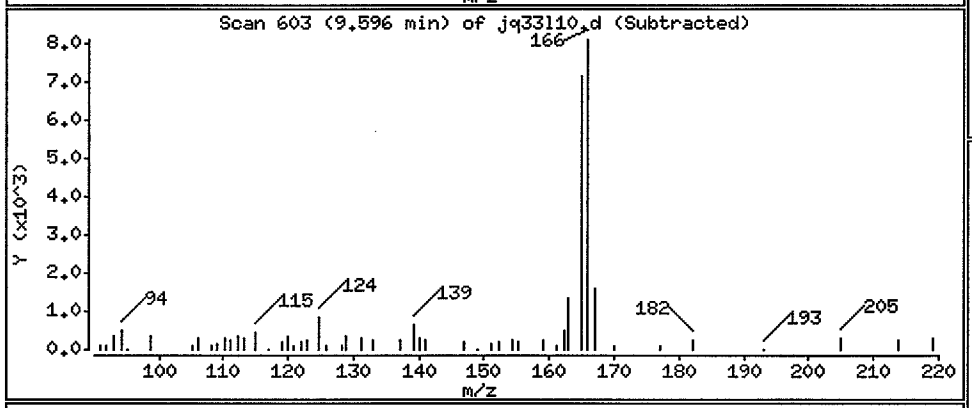
Column phase: ZB-5

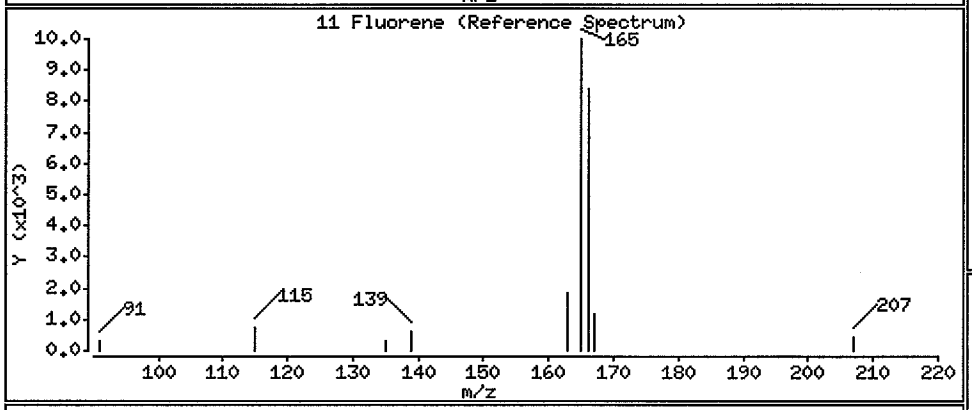
Column diameter: 0.25

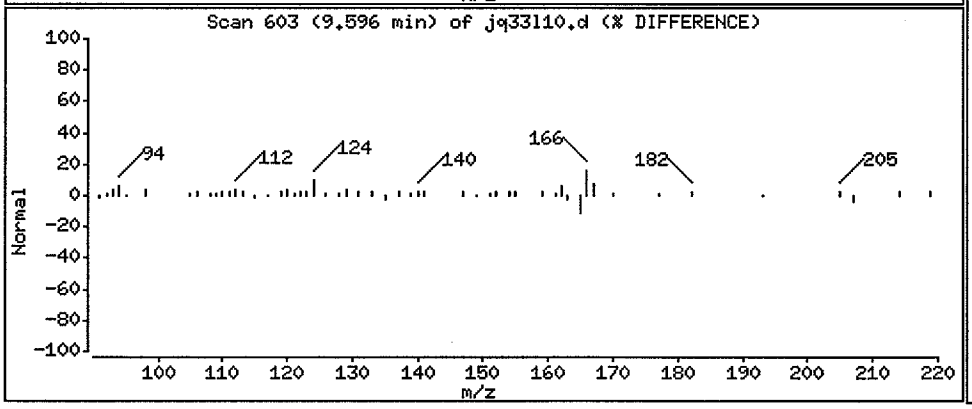
11 Fluorene

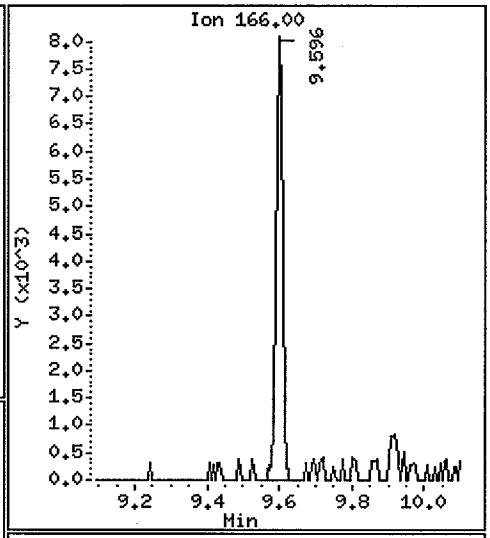
Concentration: 58.06 ug/kg

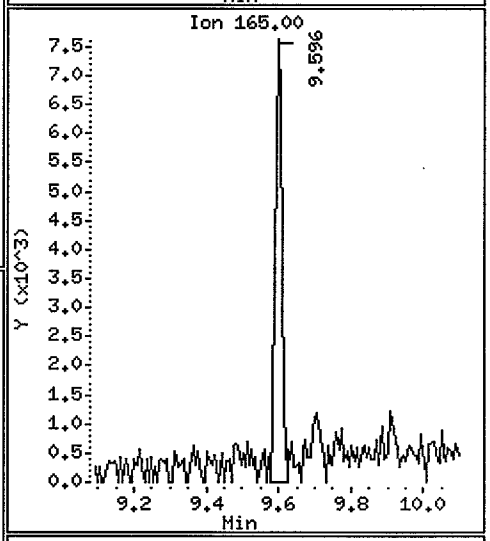


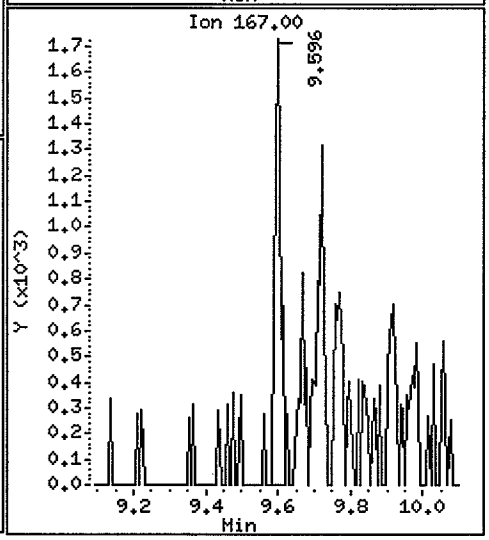












Data File: /chem3/nt1.i/20060804.b/jq33110.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

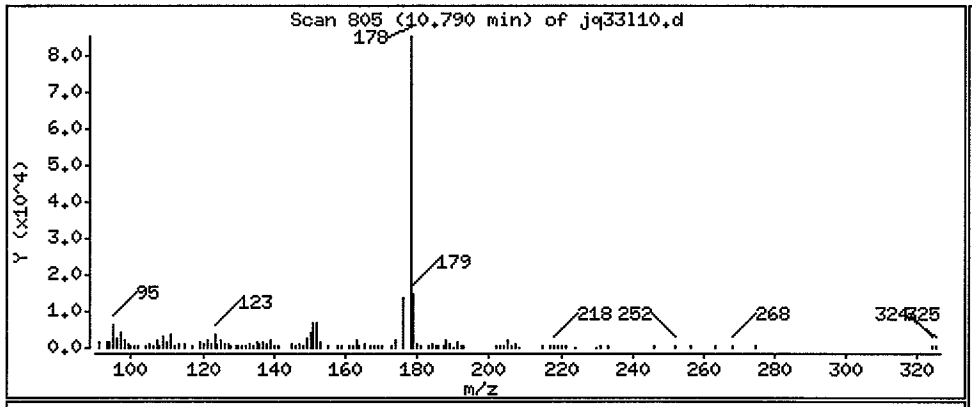
Operator: VTS

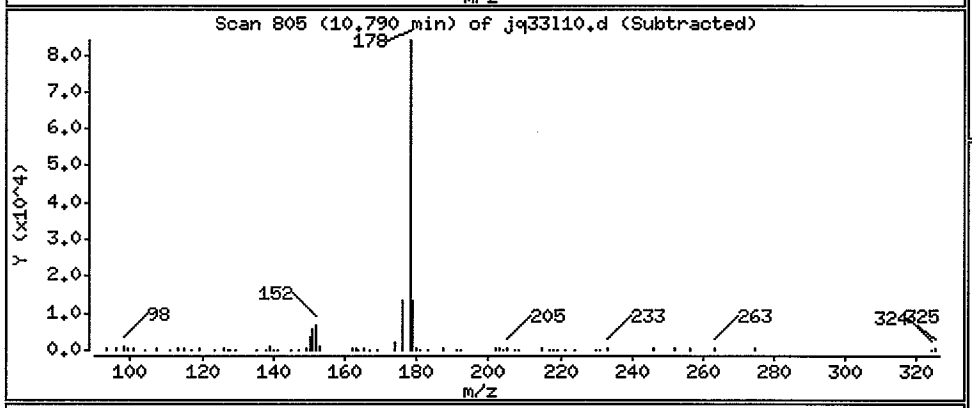
Column phase: ZB-5

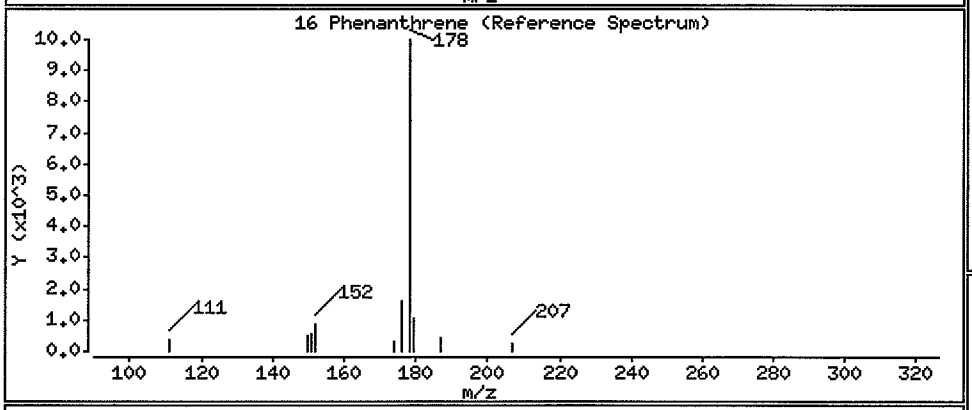
Column diameter: 0.25

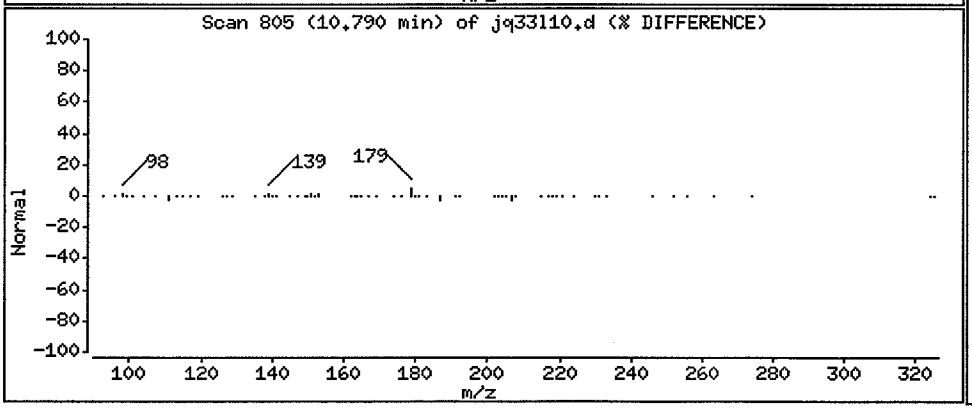
16 Phenanthrene

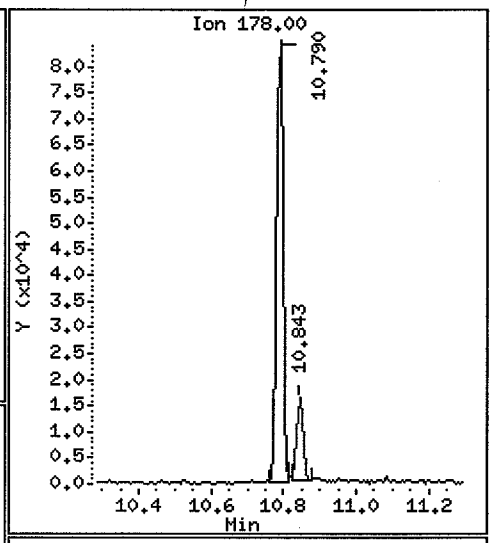
Concentration: 417.6 ug/kg

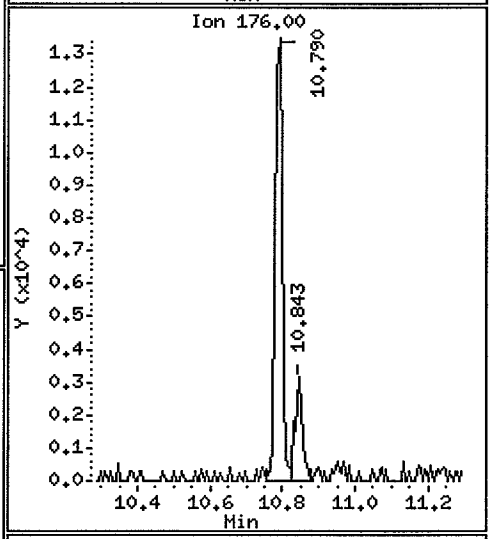


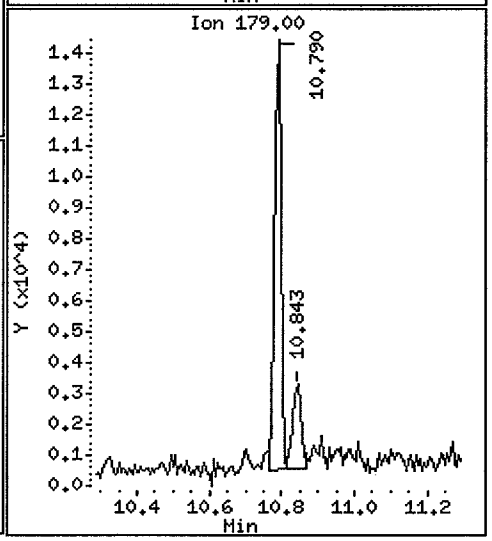












Data File: /chem3/nt1.i/20060804.b/jq33110.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

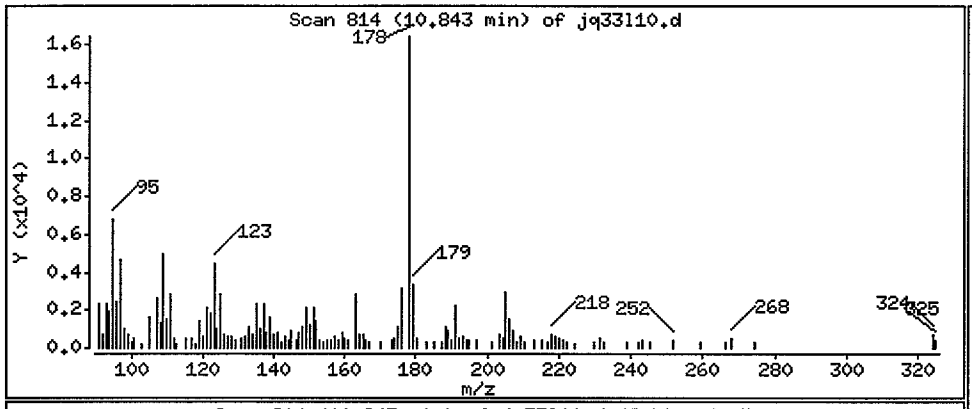
Operator: VTS

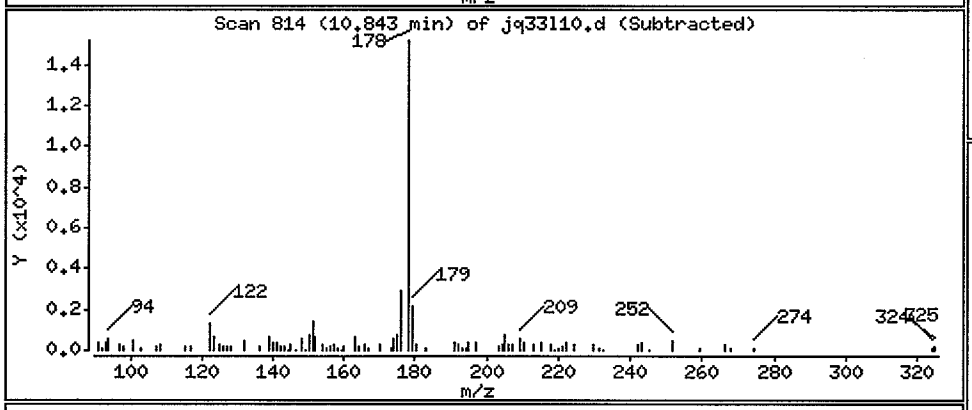
Column phase: ZB-5

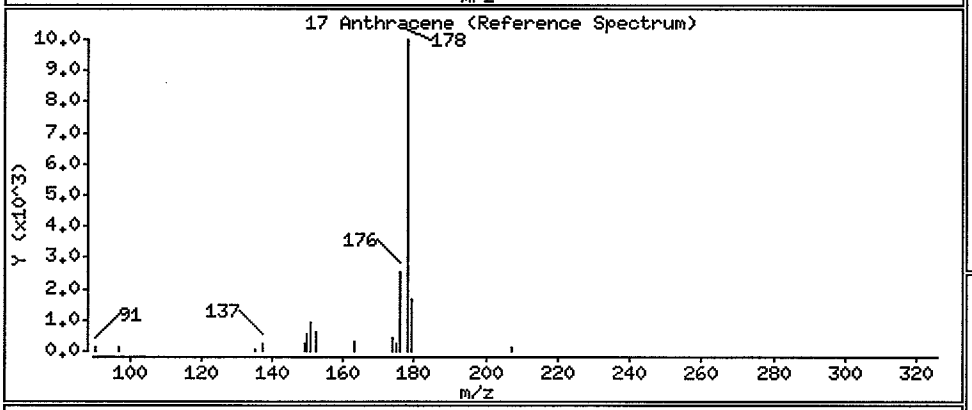
Column diameter: 0.25

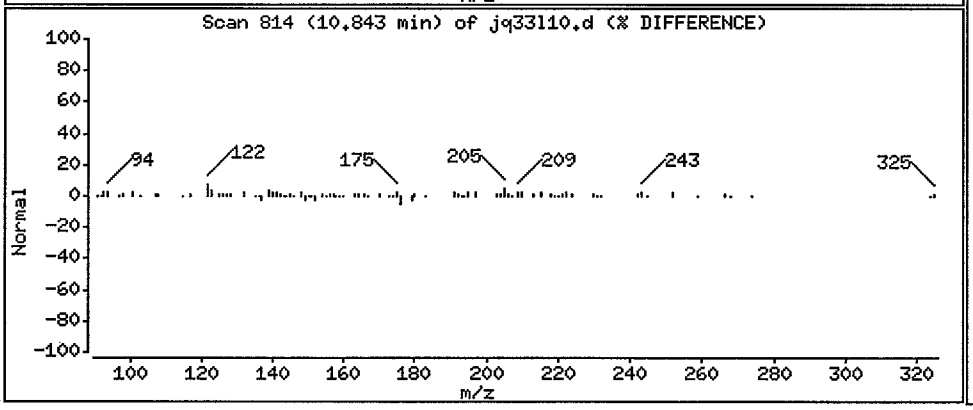
17 Anthracene

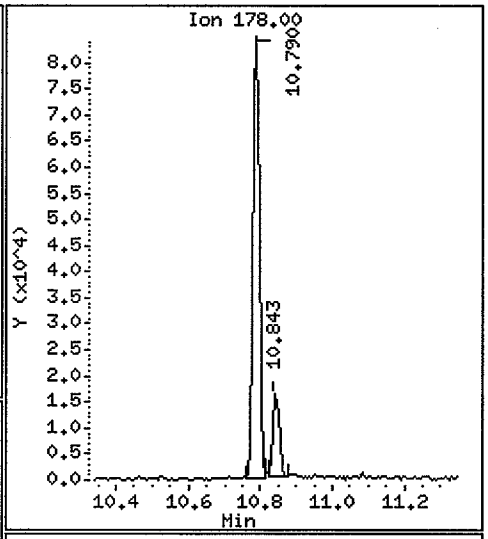
Concentration: 79.70 ug/kg

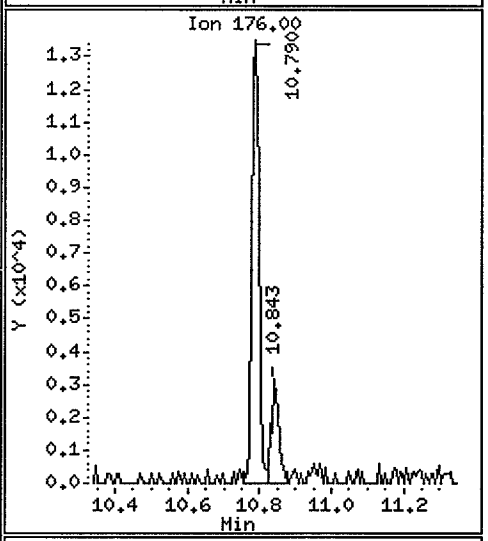


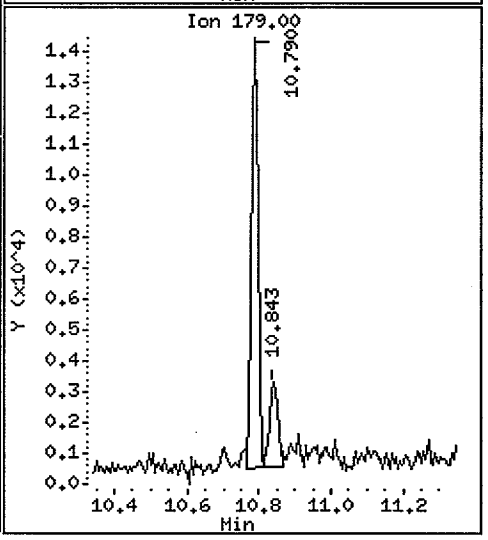












Data File: /chem3/nt1.i/20060804.b/jq33110.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

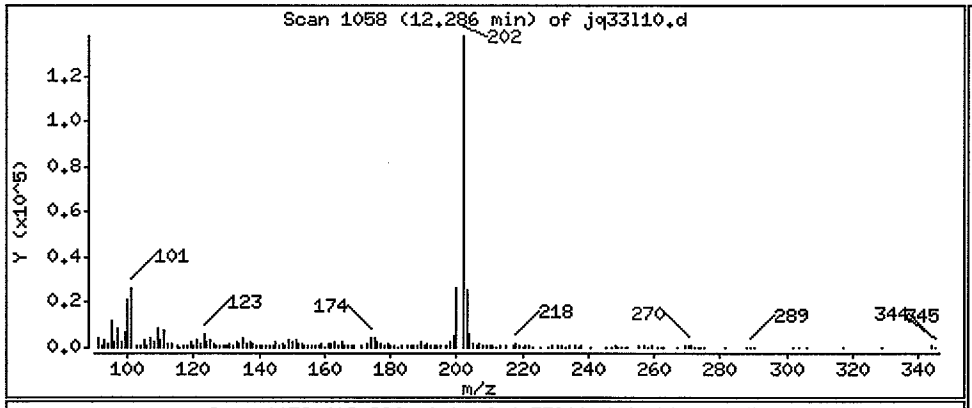
Operator: VTS

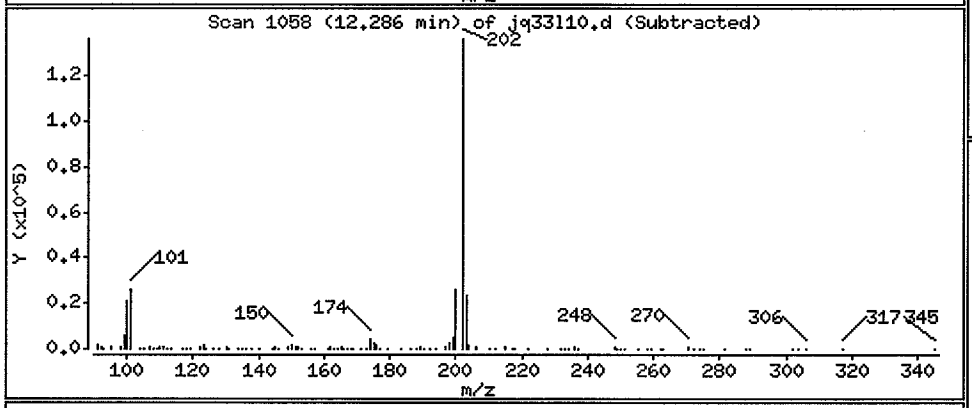
Column phase: ZB-5

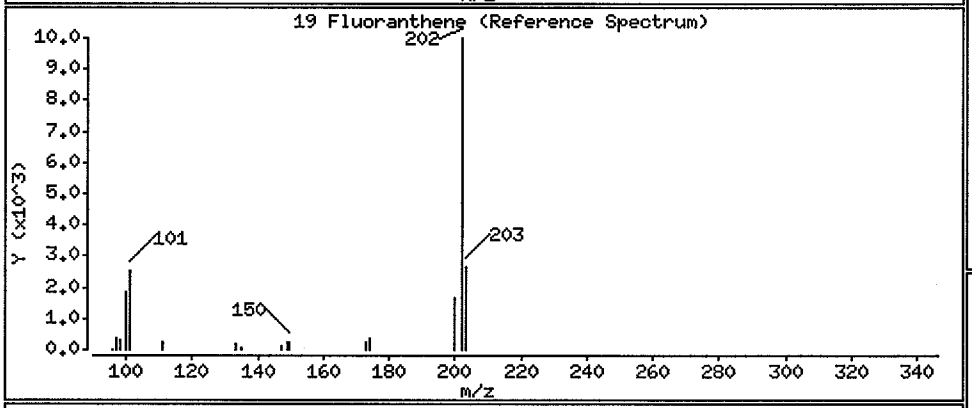
Column diameter: 0.25

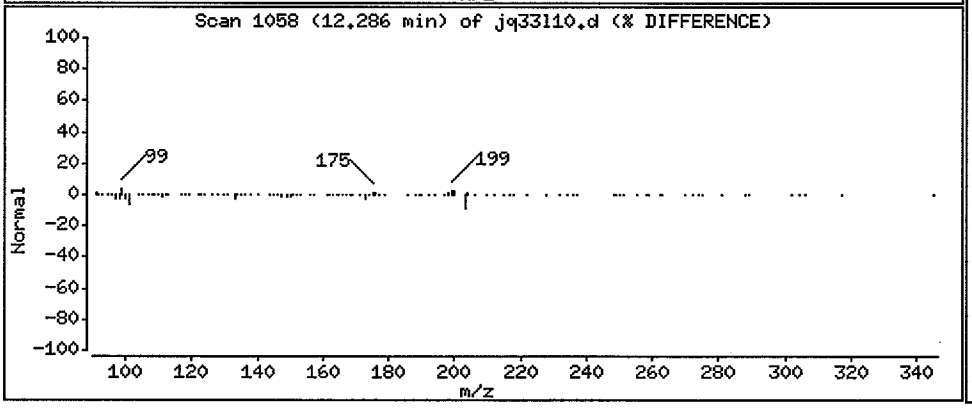
19 Fluoranthene

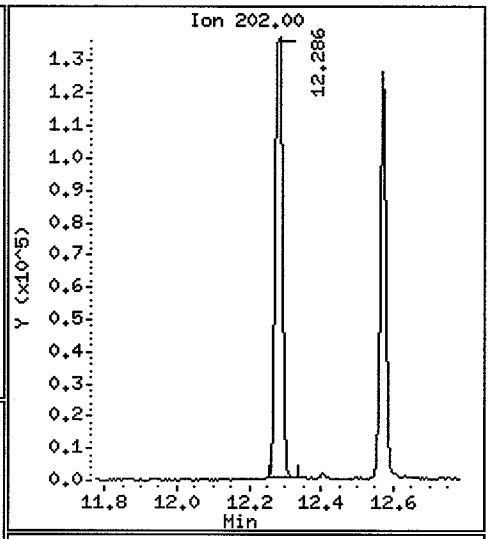
Concentration: 721.7 ug/kg

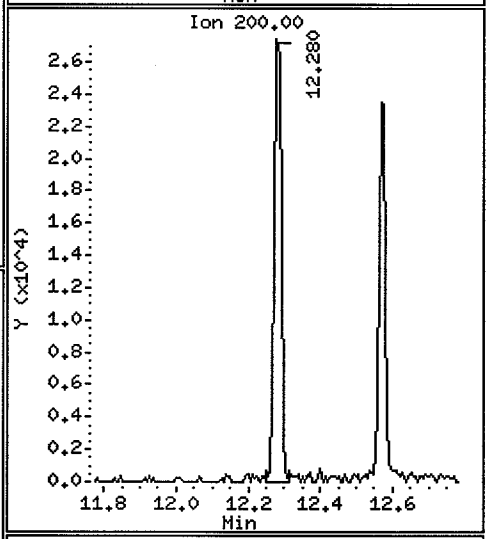


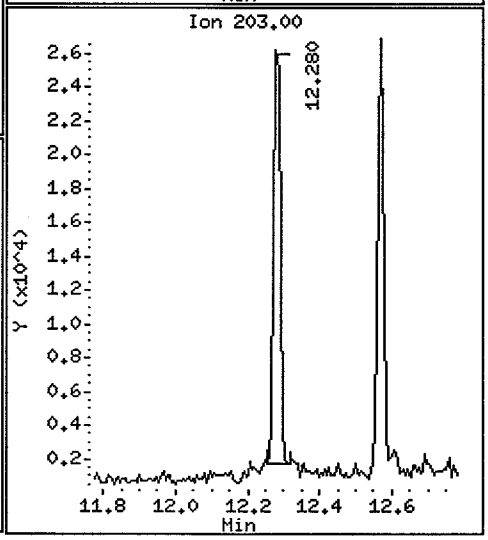












Data File: /chem3/nt1.i/20060804.b/jq33l10.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

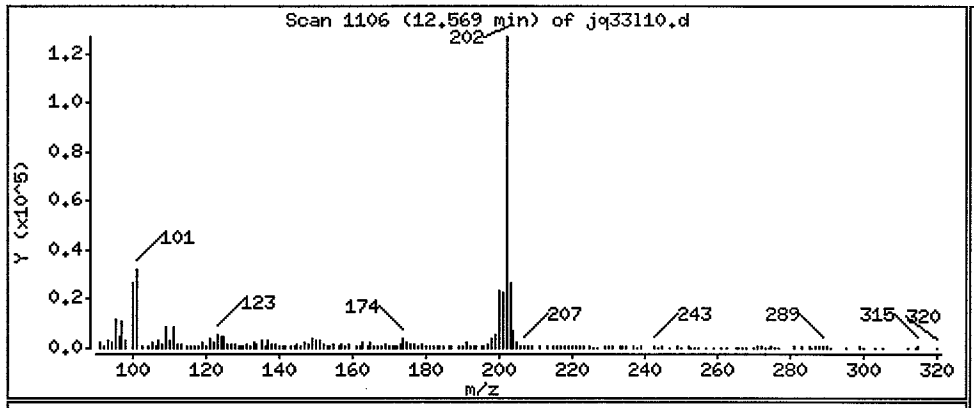
Operator: VTS

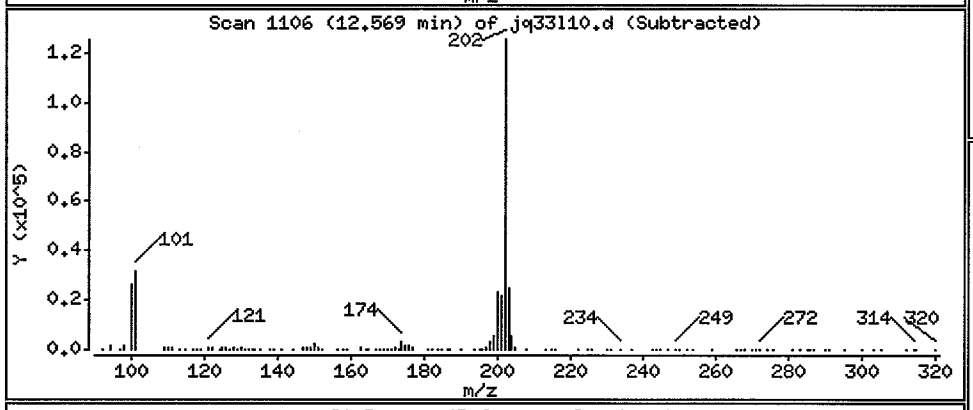
Column phase: ZB-5

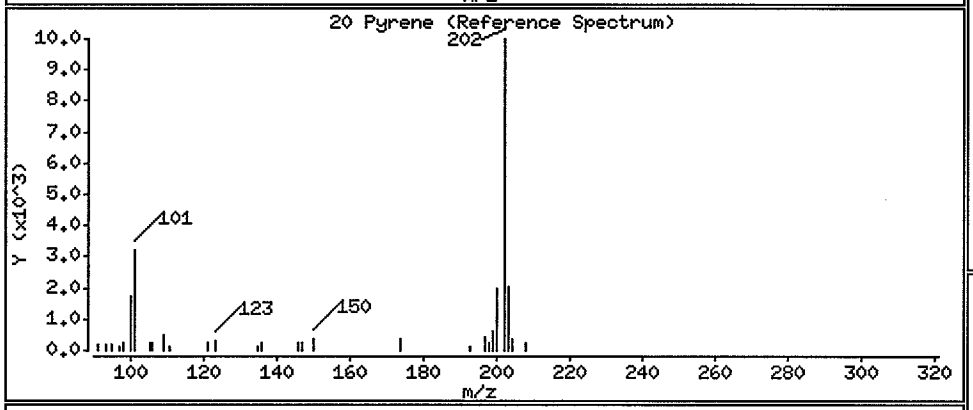
Column diameter: 0.25

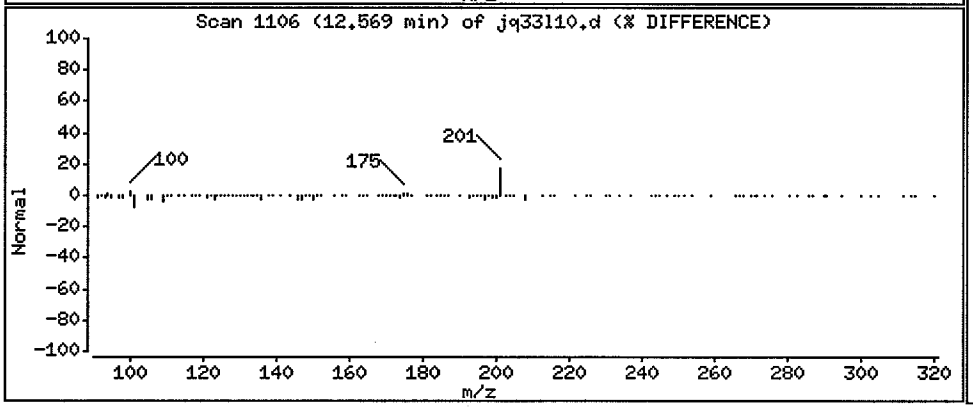
20 Pyrene

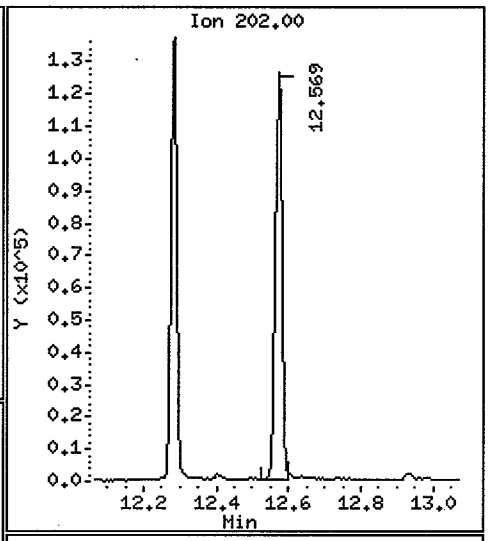
Concentration: 589.8 ug/kg

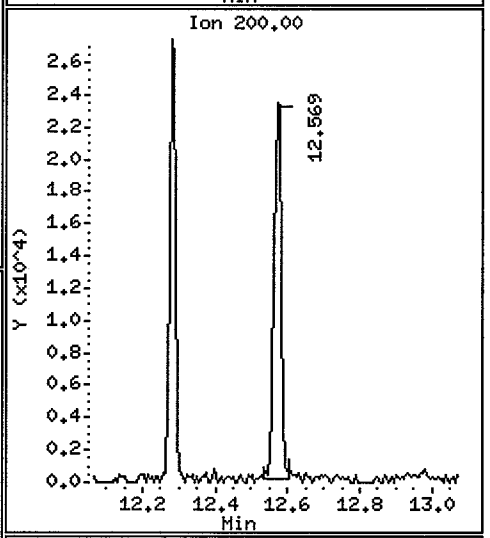


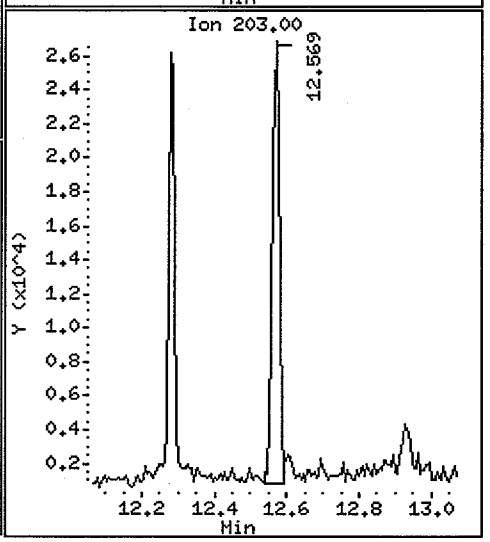












Data File: /chem3/nt1.i/20060804.b/jq33l10.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

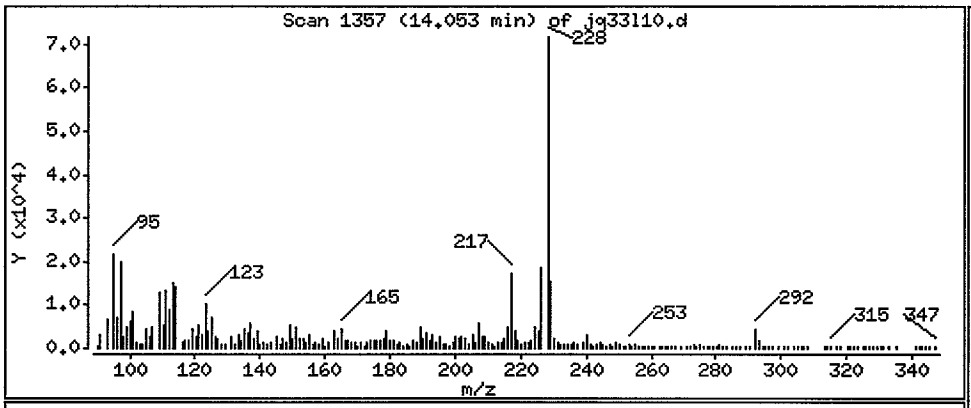
Operator: VTS

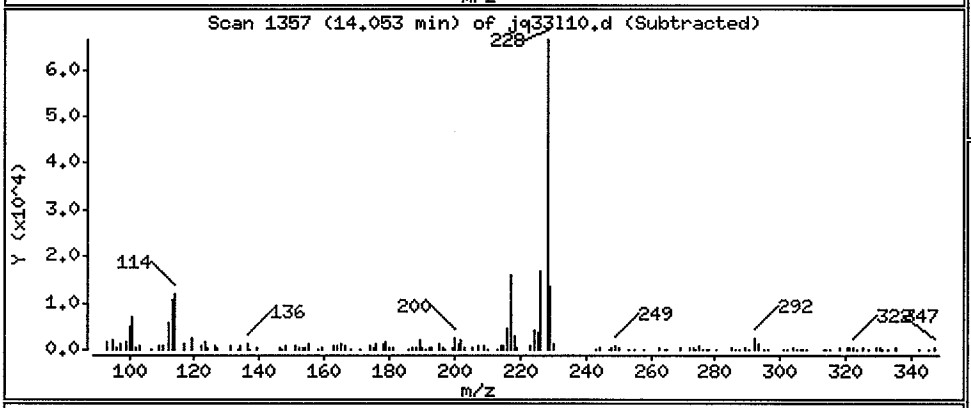
Column phase: ZB-5

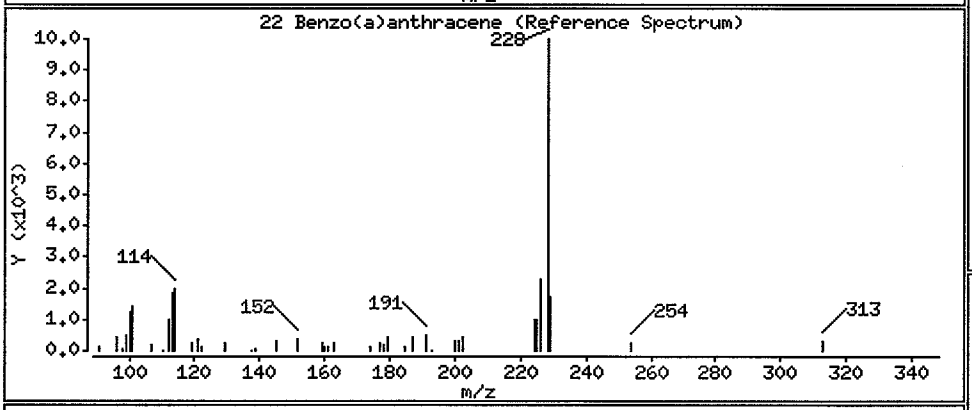
Column diameter: 0.25

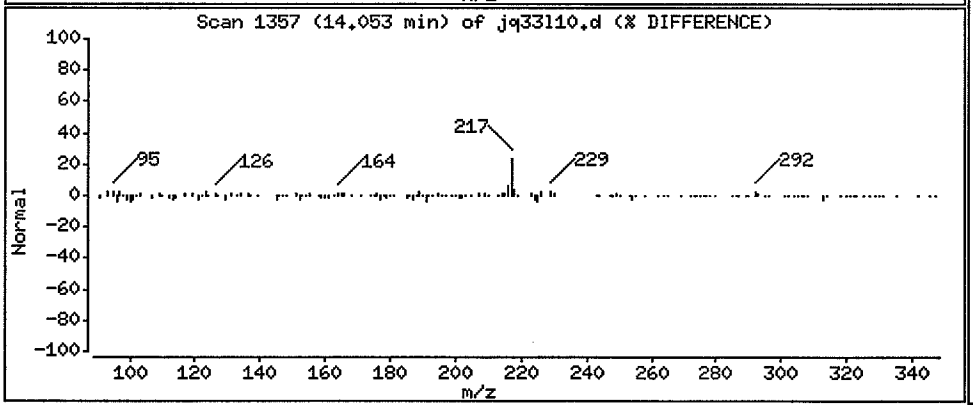
22 Benzo(a)anthracene

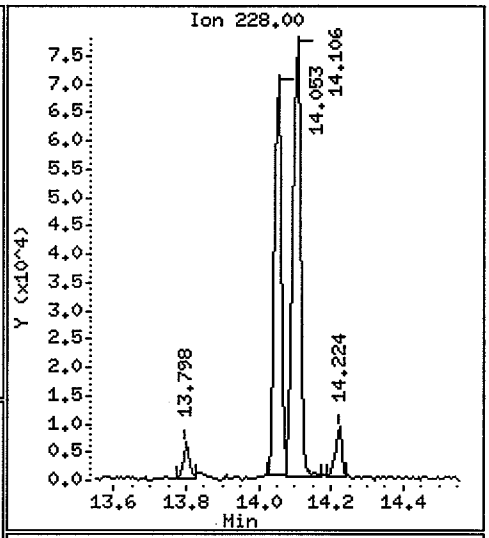
Concentration: 348.7 ug/kg

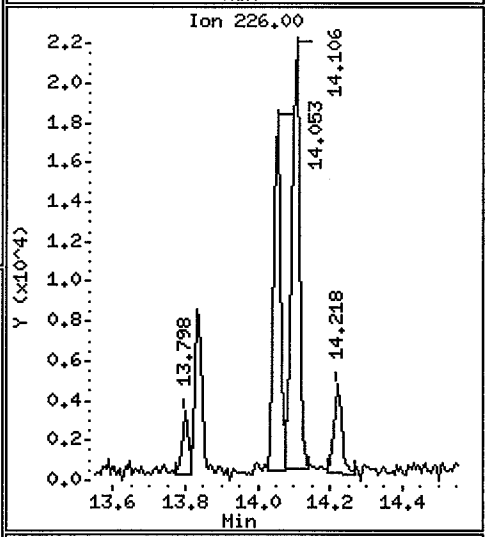


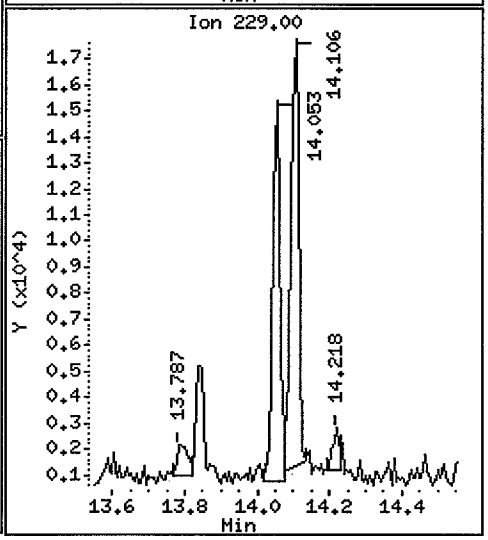












Data File: /chem3/nt1.i/20060804.b/jq33110.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

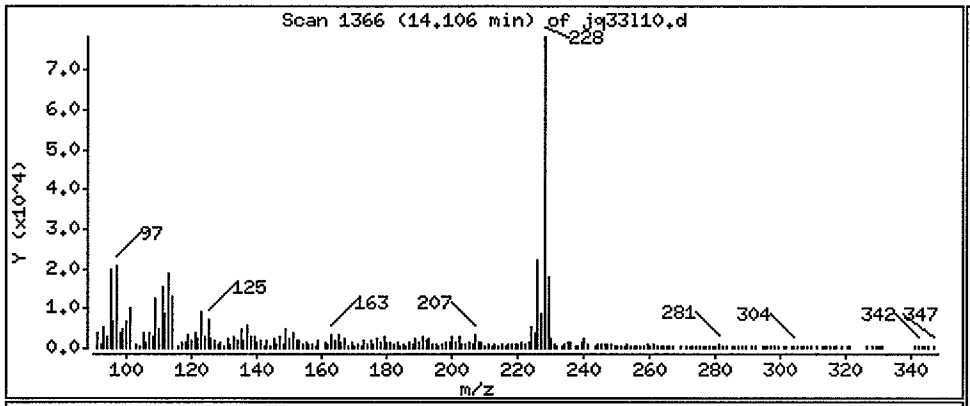
Operator: VTS

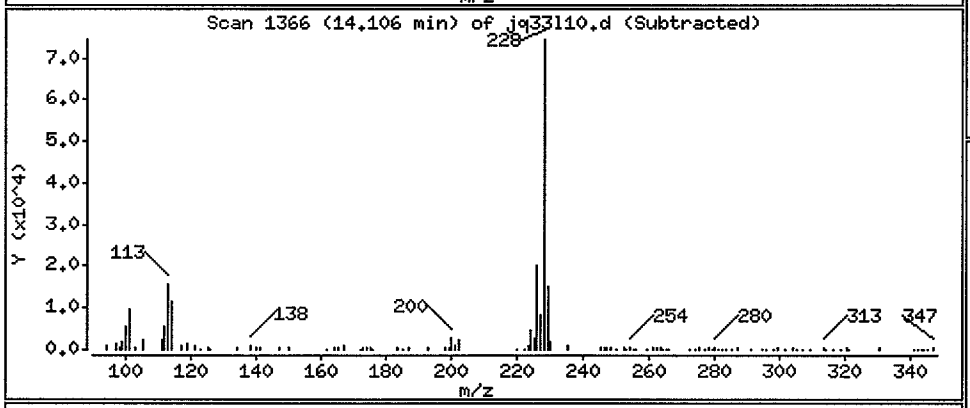
Column phase: ZB-5

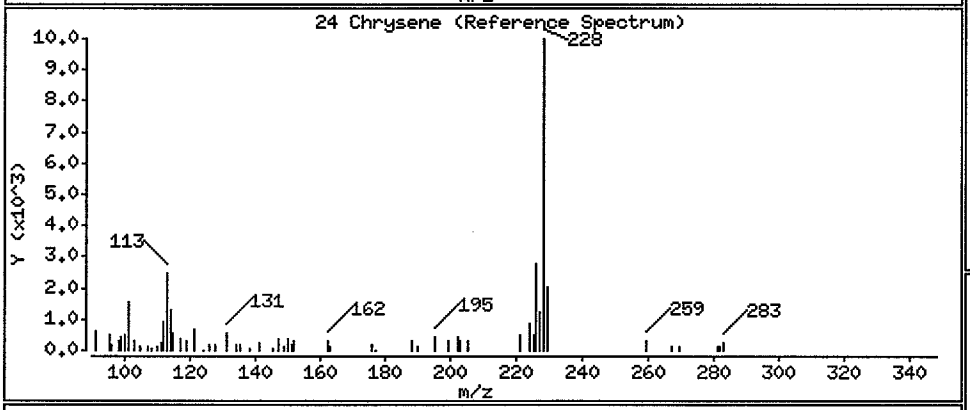
Column diameter: 0.25

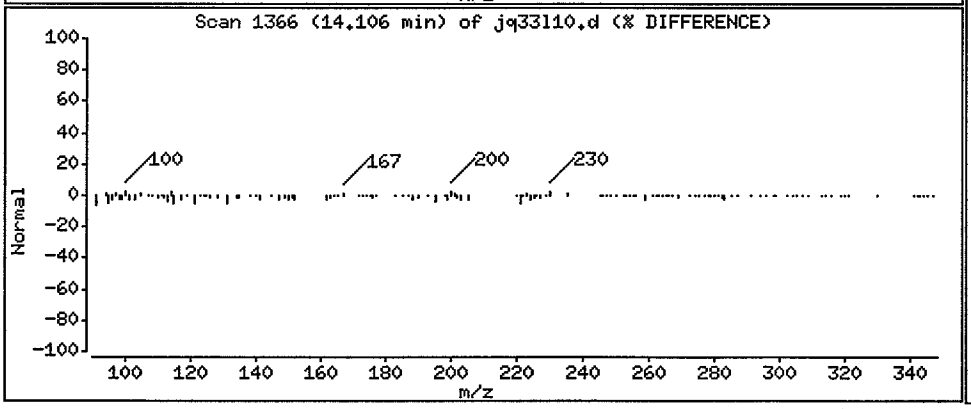
24 Chrysene

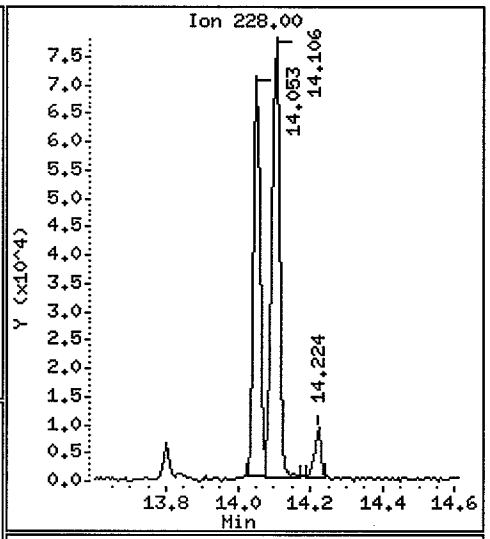
Concentration: 485.0 ug/kg

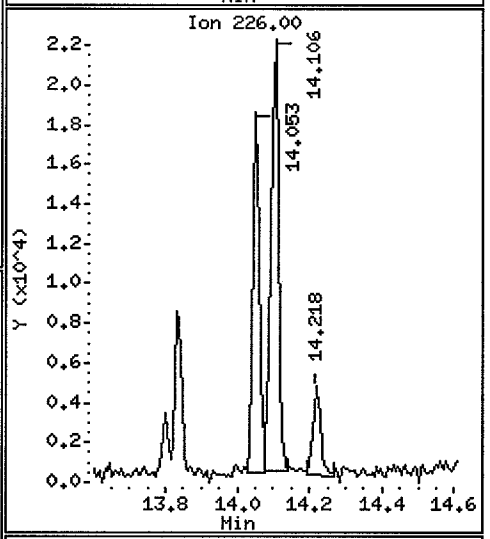


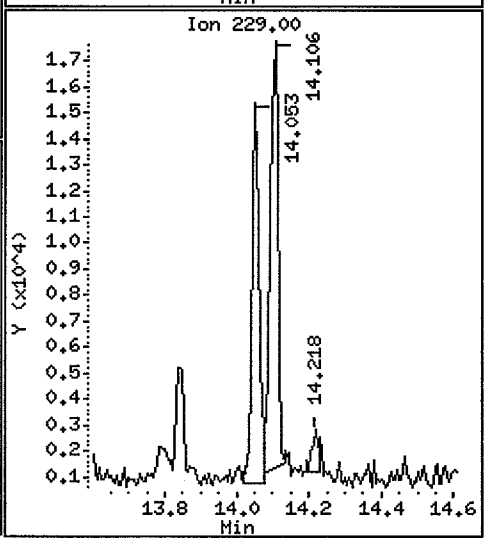












Data File: /chem3/nt1.i/20060804.b/jq33110.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

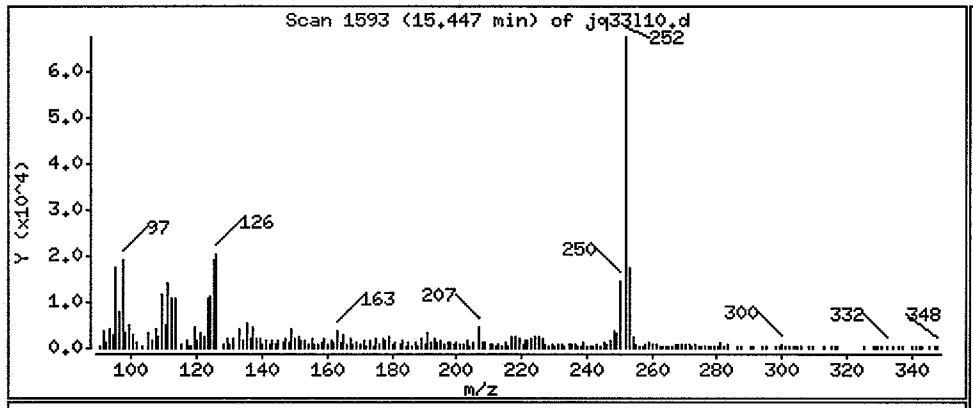
Operator: VTS

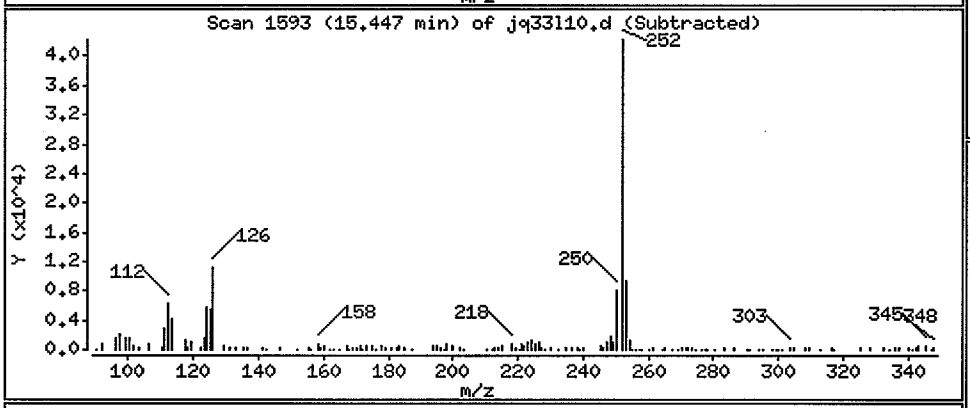
Column phase: ZB-5

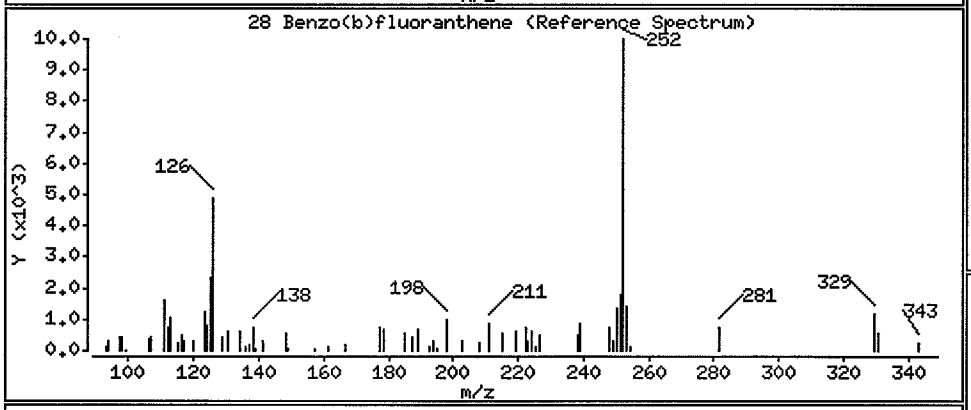
Column diameter: 0.25

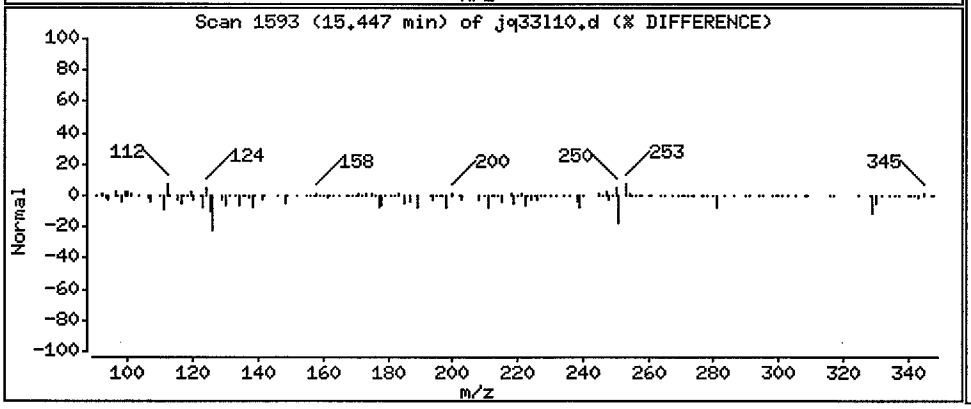
28 Benzo(b)fluoranthene

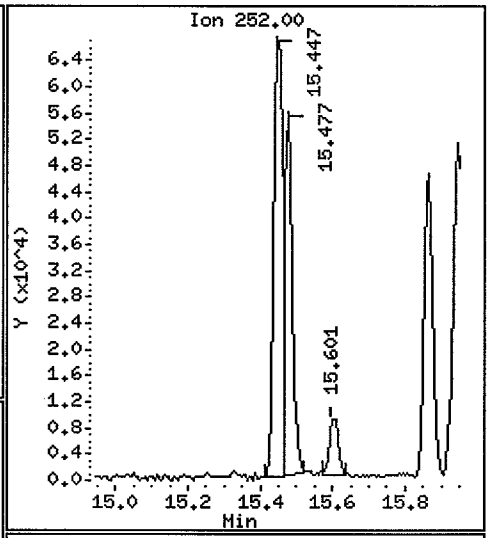
Concentration: 525.6 ug/kg

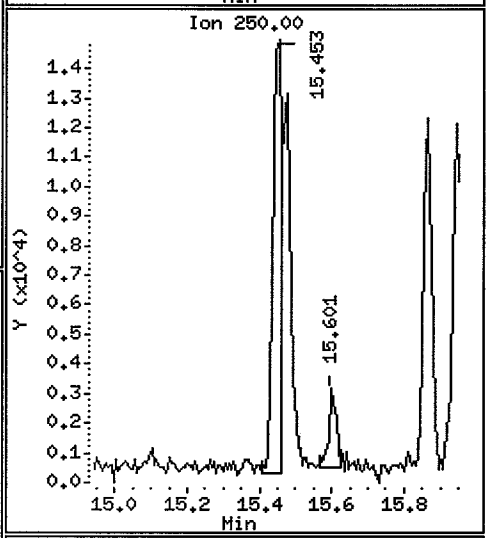


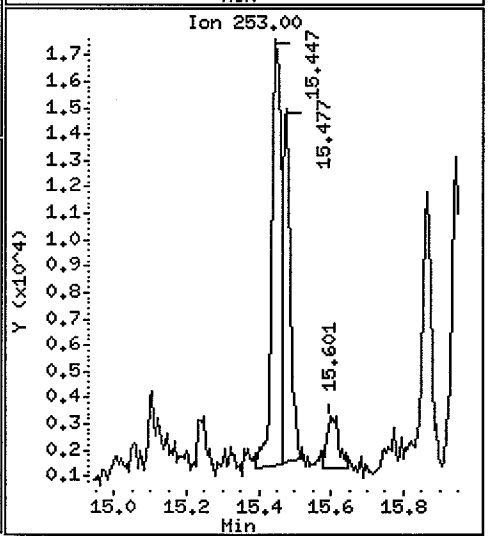












Data File: /chem3/nt1.i/20060804.b/jq33l10.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

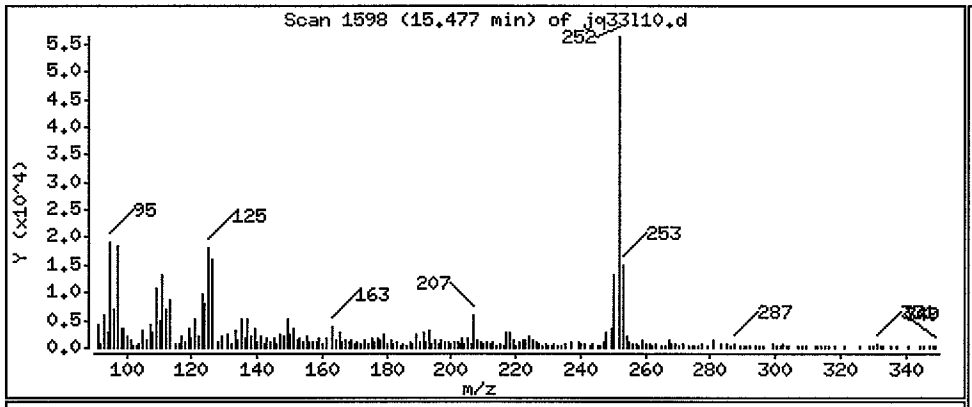
Operator: VTS

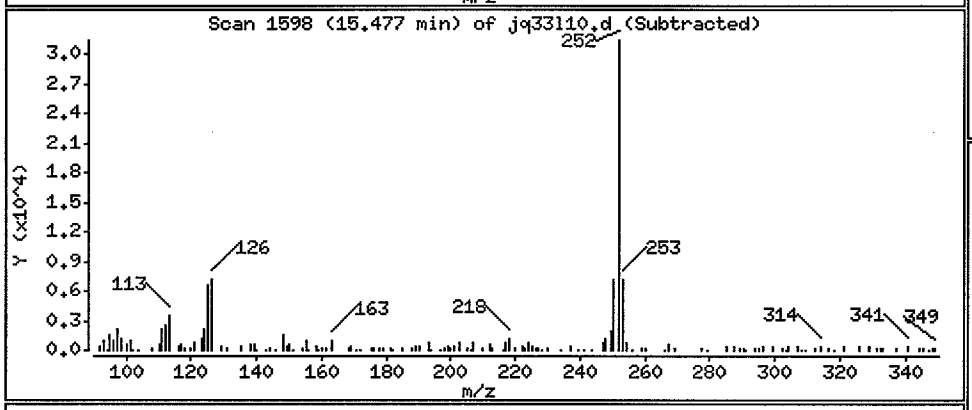
Column phase: ZB-5

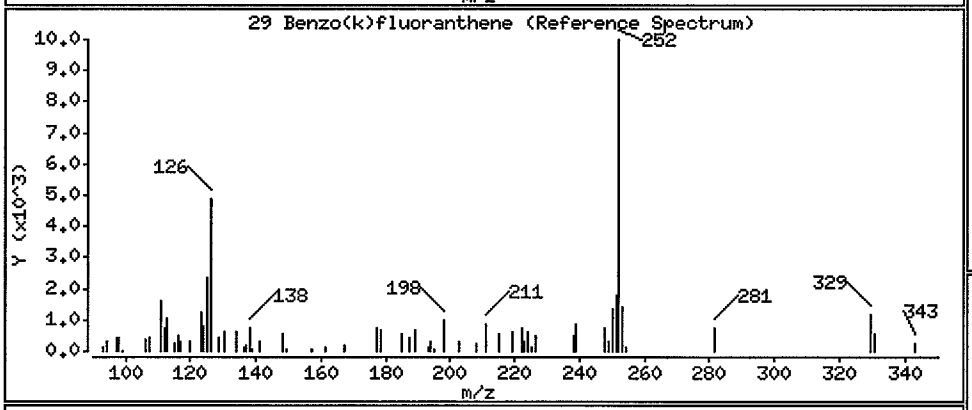
Column diameter: 0.25

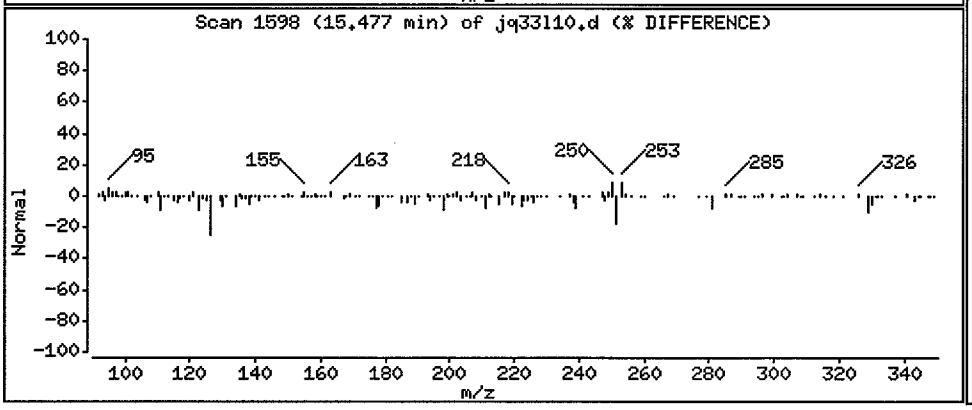
29 Benzo(k)fluoranthene

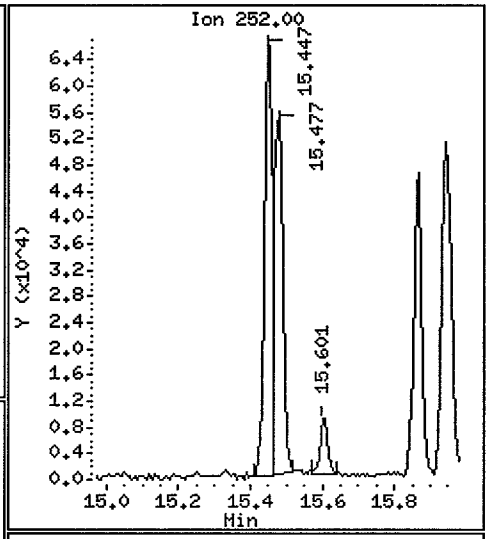
Concentration: 379.2 ug/kg

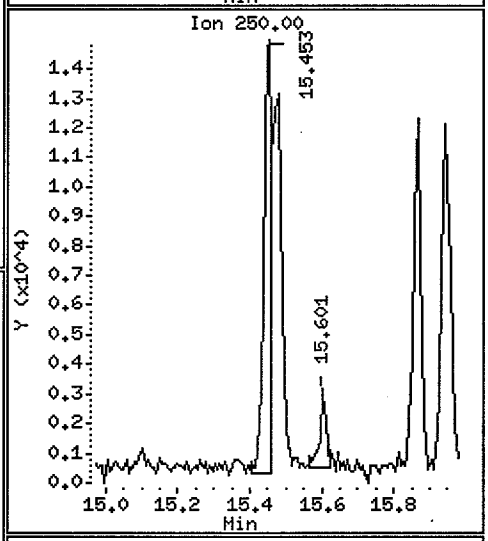


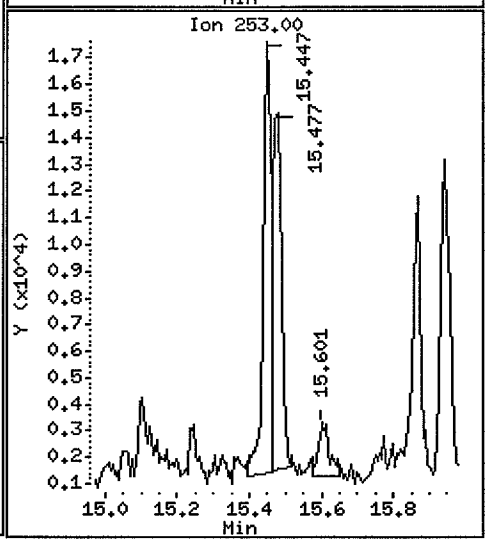












Data File: /chem3/nt1.i/20060804.b/jq33110.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

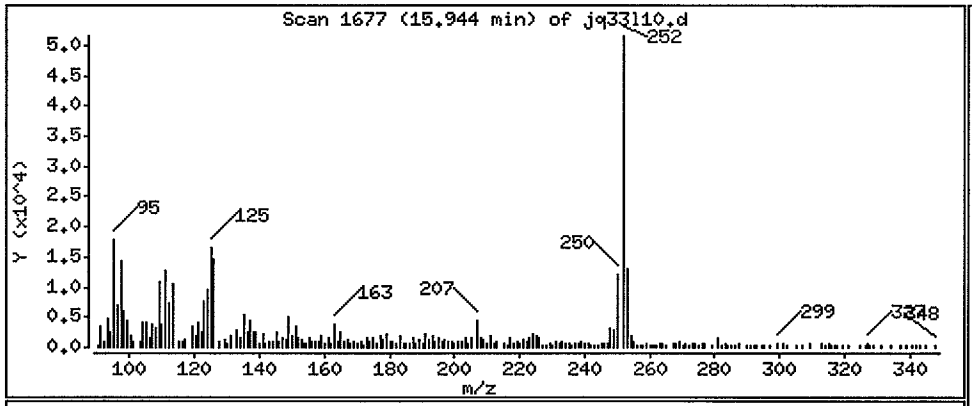
Operator: VTS

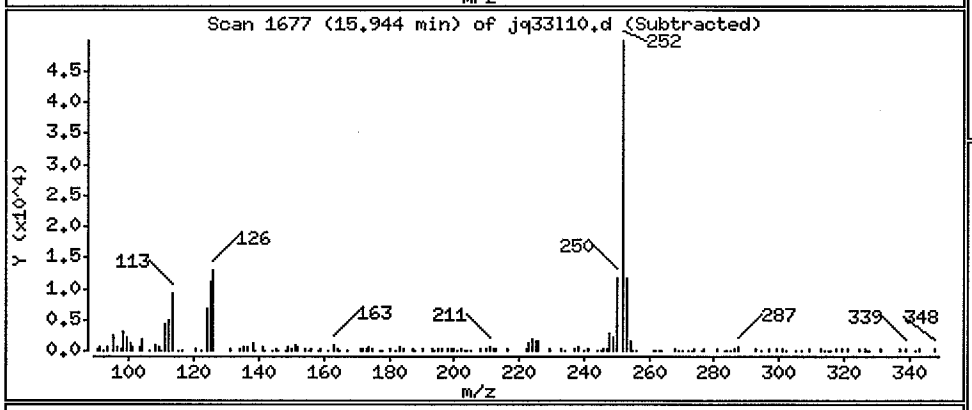
Column phase: ZB-5

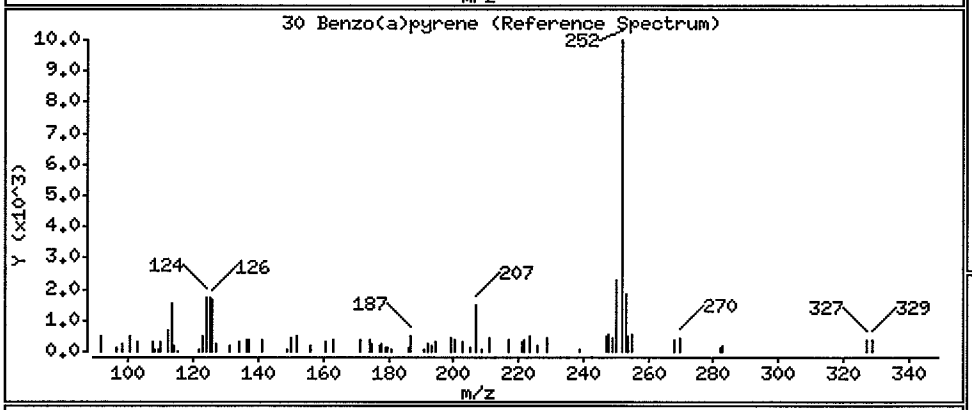
Column diameter: 0.25

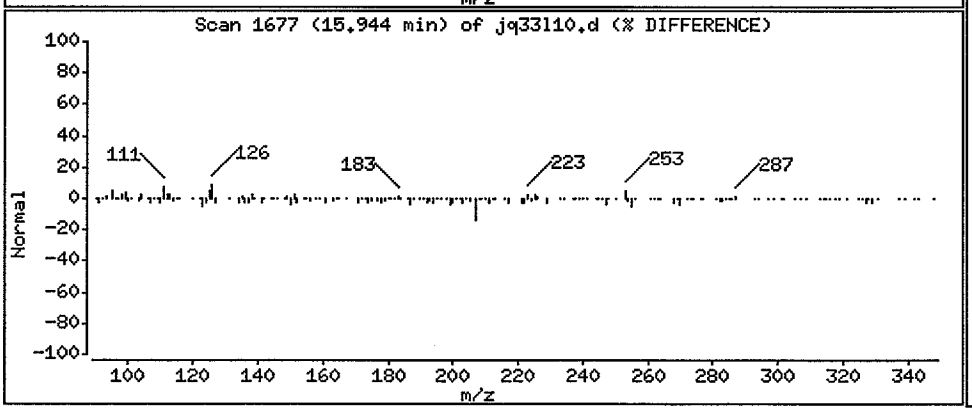
30 Benzo(a)pyrene

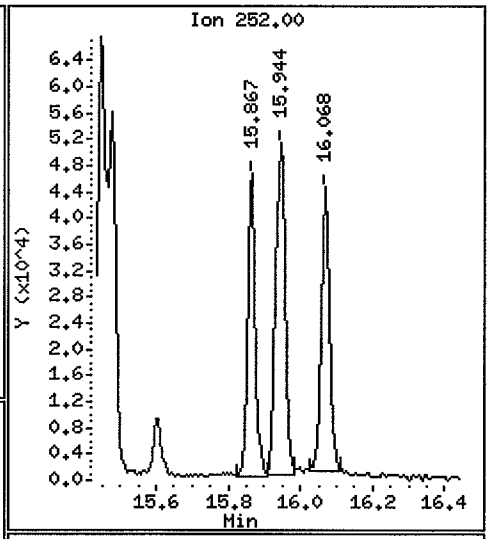
Concentration: 427.4 ug/kg

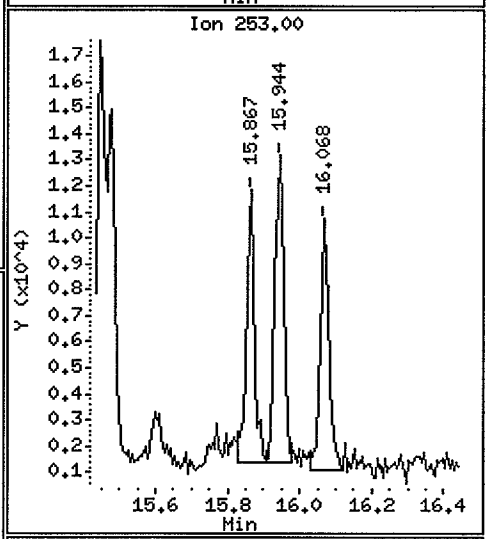


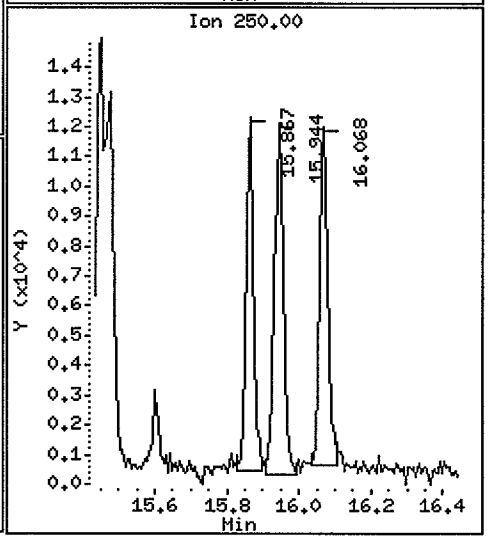












Data File: /chem3/nt1.i/20060804.b/jq33110.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

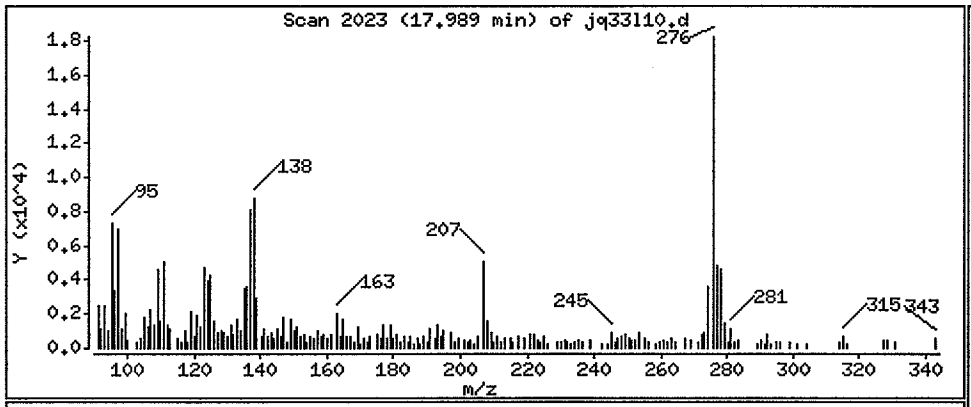
Operator: VTS

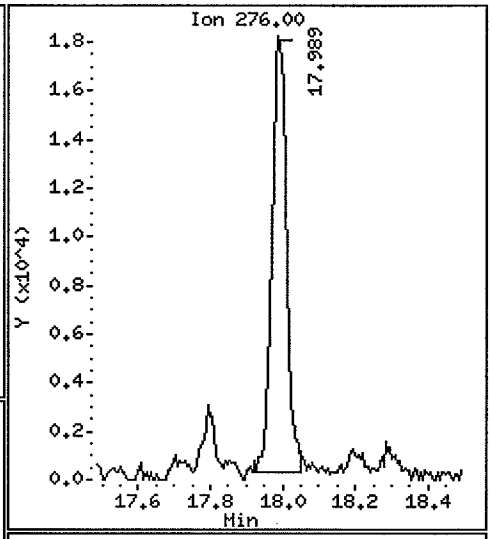
Column phase: ZB-5

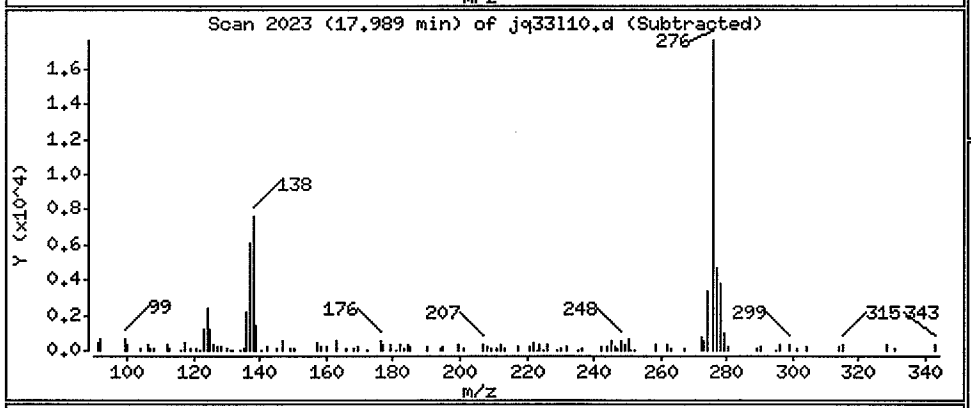
Column diameter: 0.25

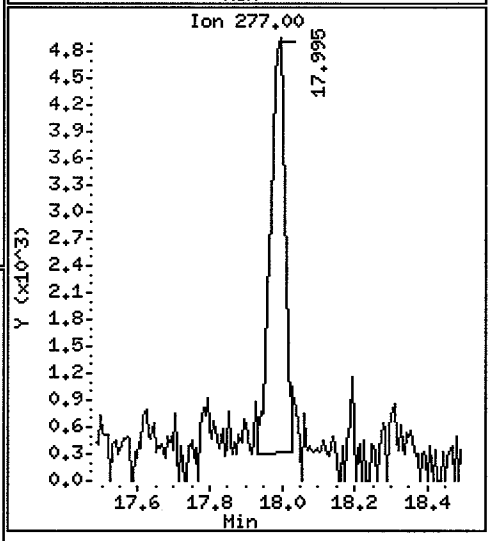
33 Indeno(1,2,3-cd)pyrene

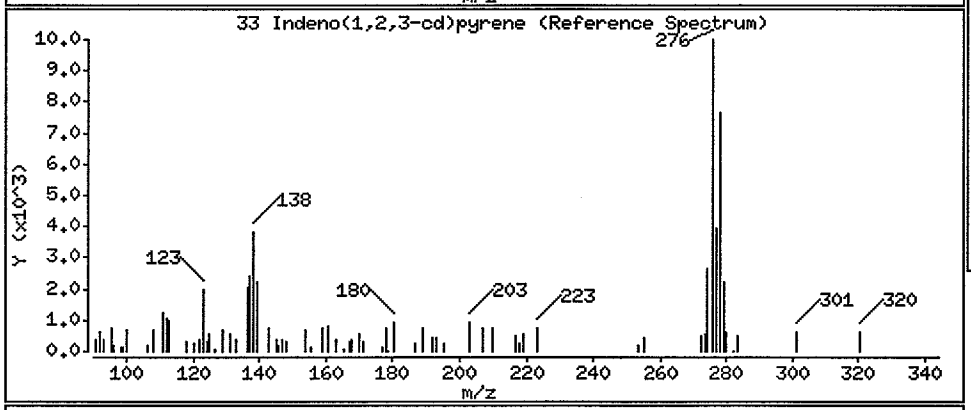
Concentration: 201.6 ug/kg

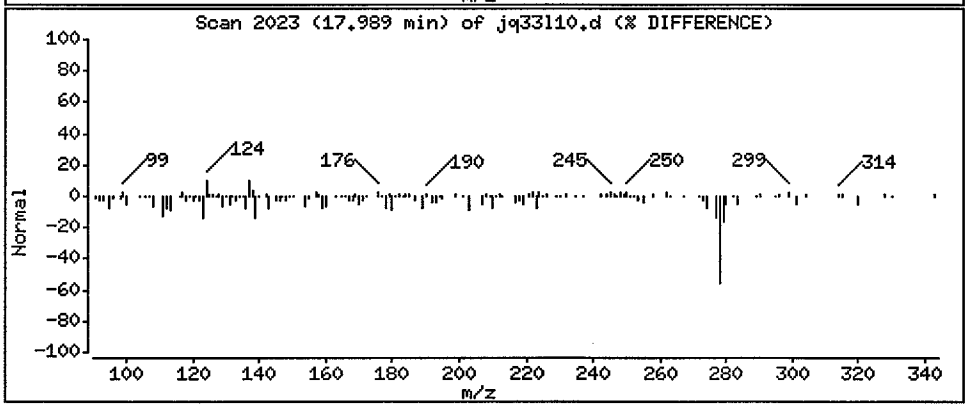












Data File: /chem3/nt1.i/20060804.b/jq33110.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

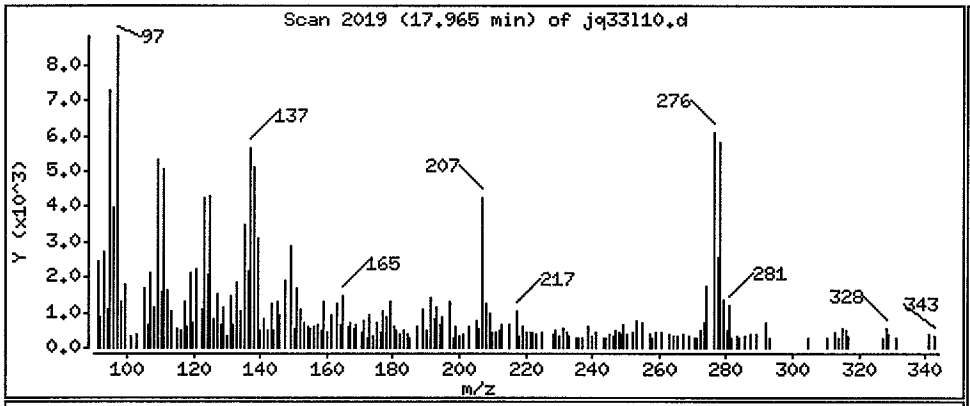
Operator: VTS

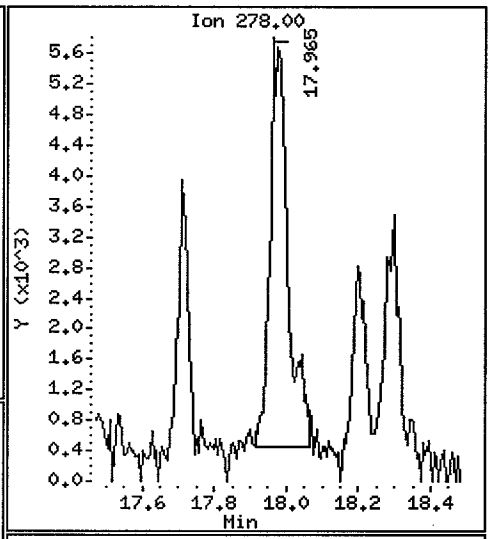
Column phase: ZB-5

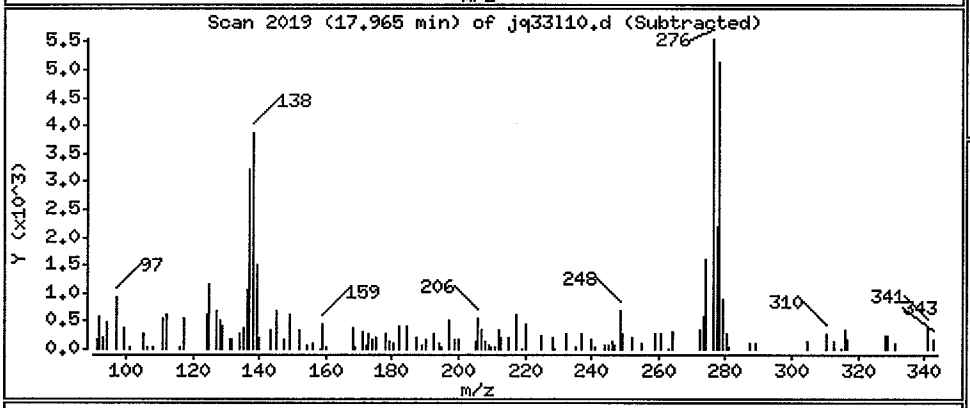
Column diameter: 0.25

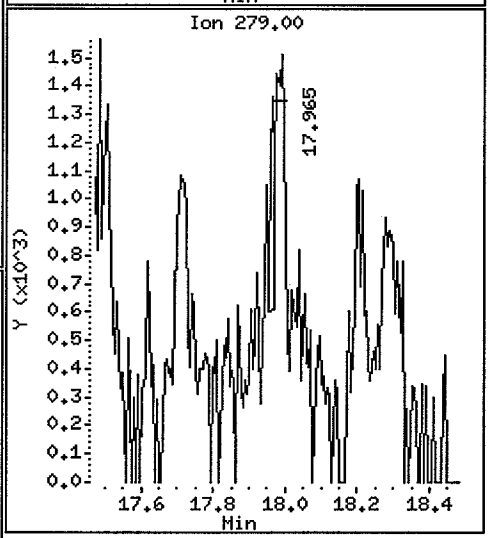
34 Dibenz(a,h)anthracene

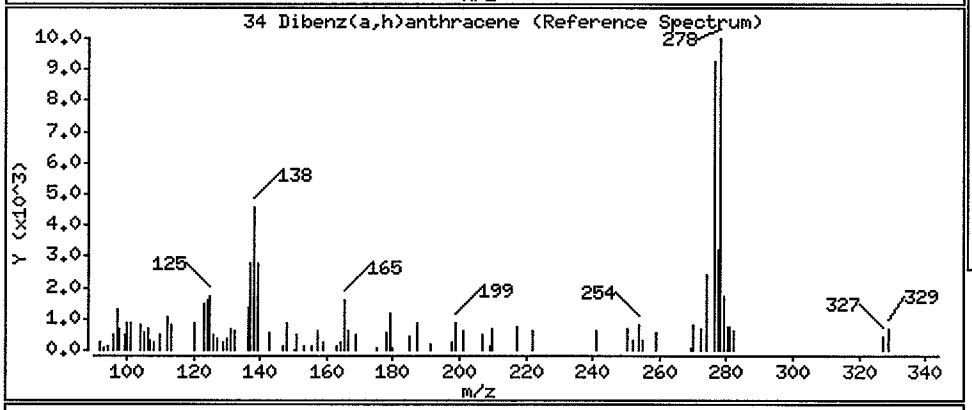
Concentration: 90.60 ug/kg

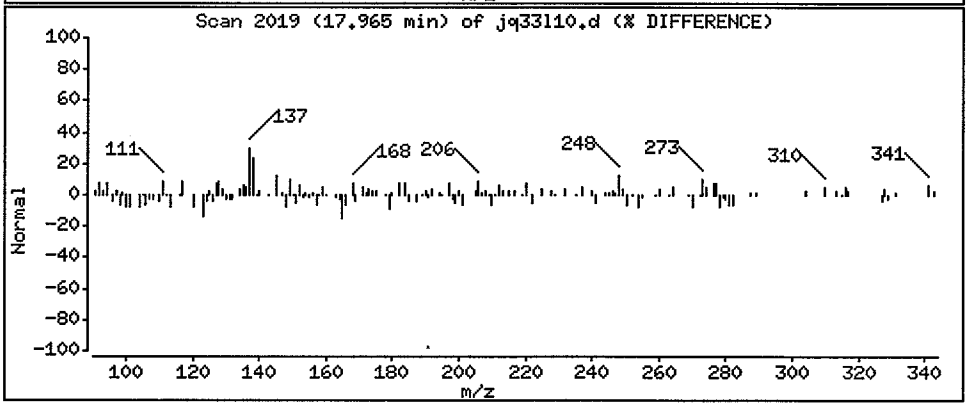












Data File: /chem3/nt1.i/20060804.b/jq33110.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

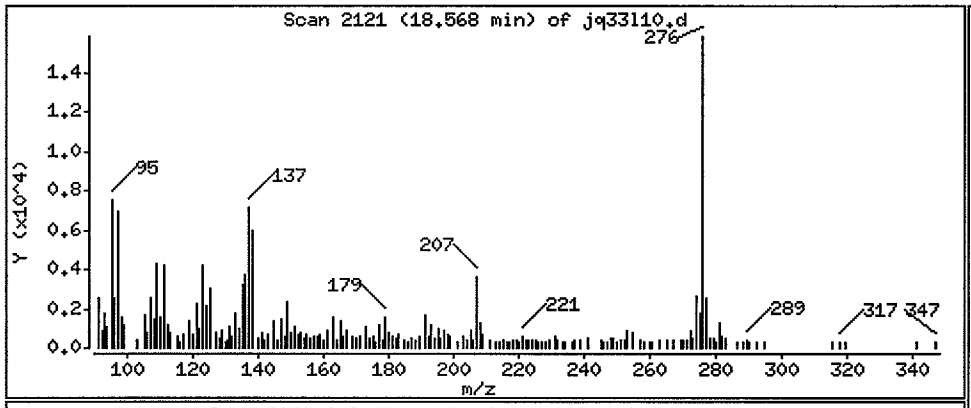
Operator: VTS

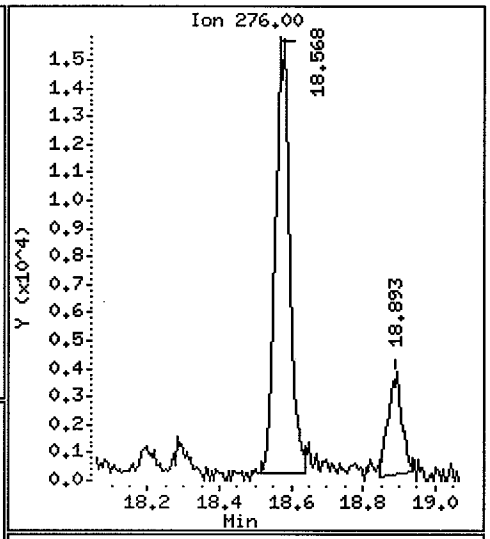
Column phase: ZB-5

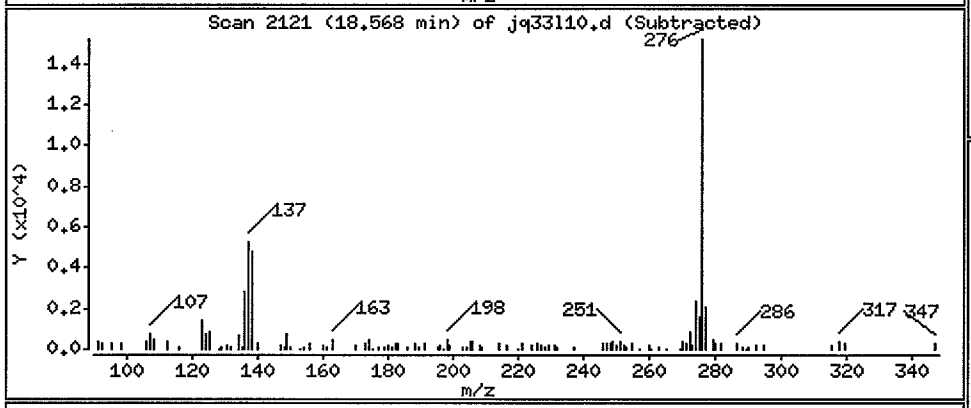
Column diameter: 0.25

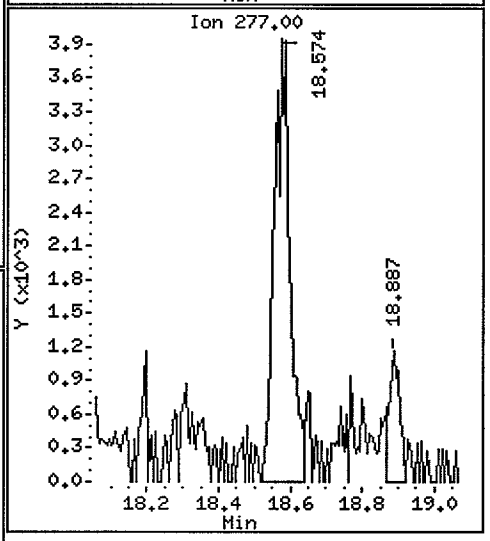
35 Benzo(g,h,i)perylene

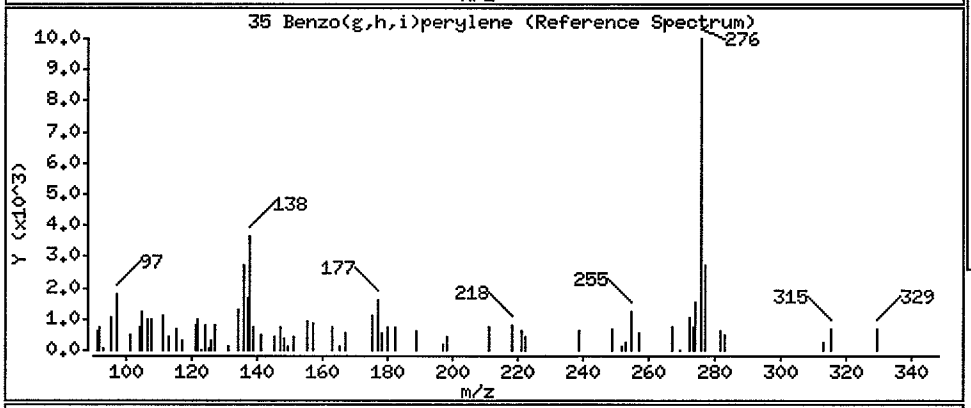
Concentration: 215.4 ug/kg

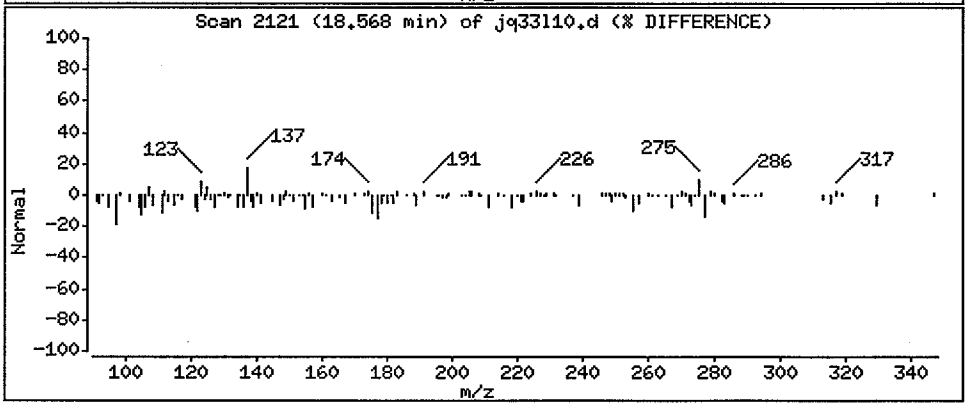












Data File: /chem3/nt1.i/20060804.b/jq33110.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

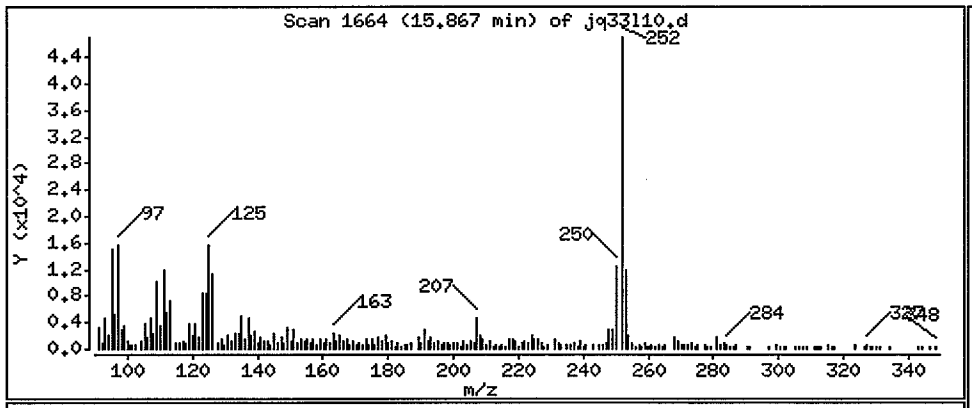
Operator: VTS

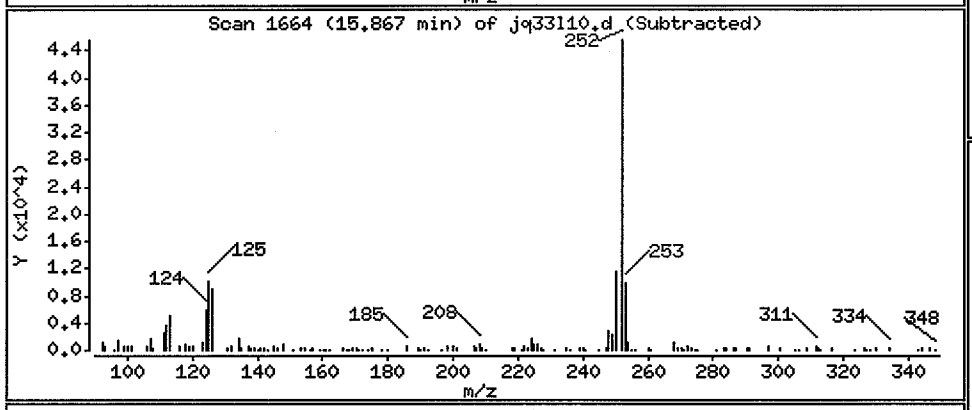
Column phase: ZB-5

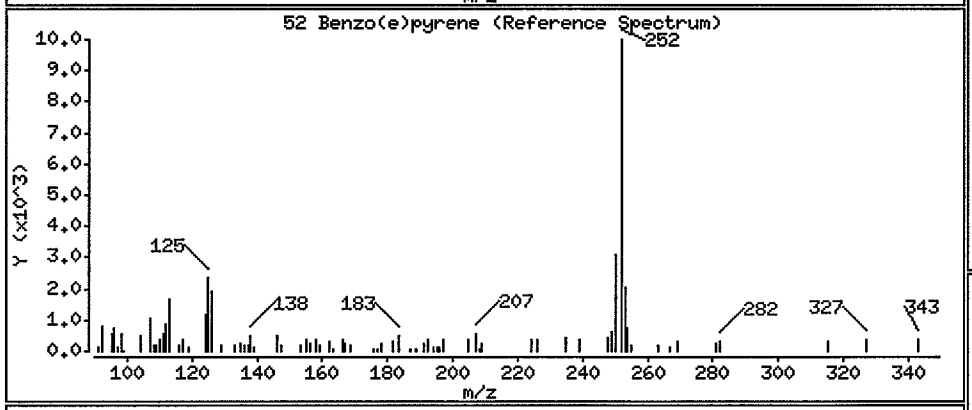
Column diameter: 0.25

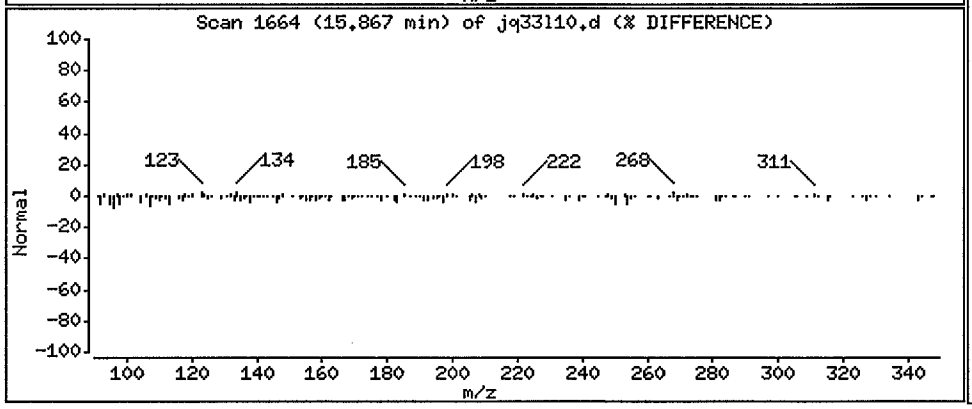
52 Benzo(e)pyrene

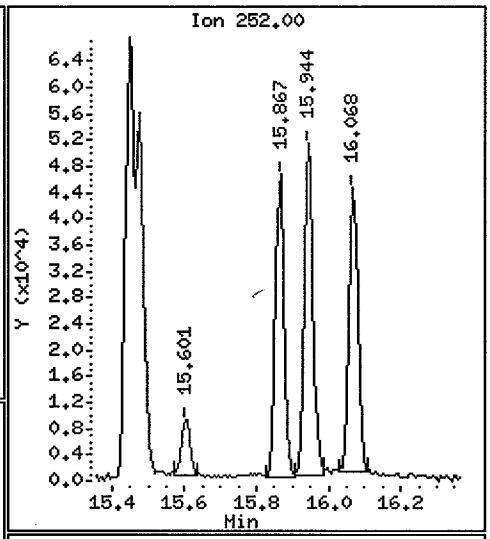
Concentration: 312.4 ug/kg

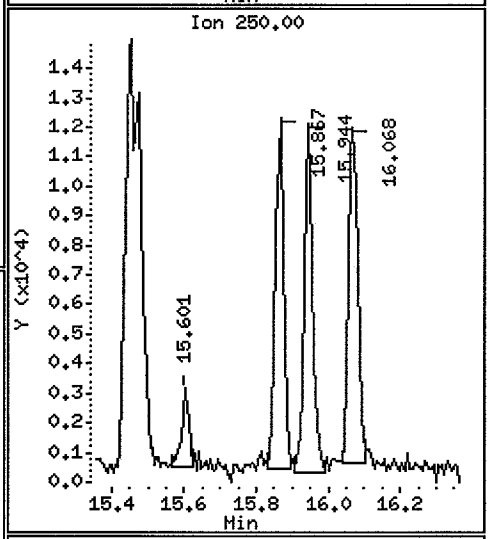


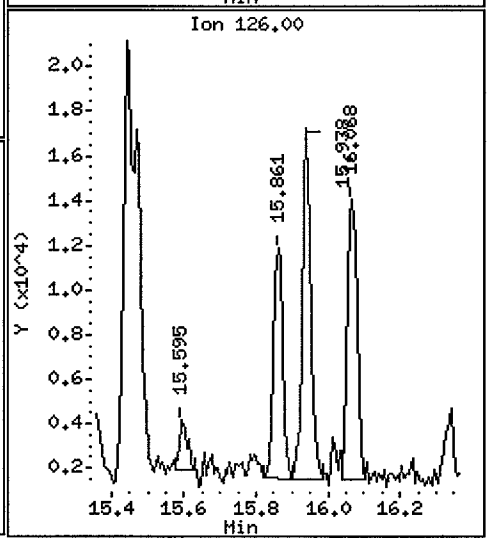












Data File: /chem3/nt1.i/20060804.b/jq33110.d

Date : 04-AUG-2006 19:55

Client ID: T4-B414-04-C

Instrument: nt1.i

Sample Info: JQ33L,10

Volume Injected (uL): 1.0

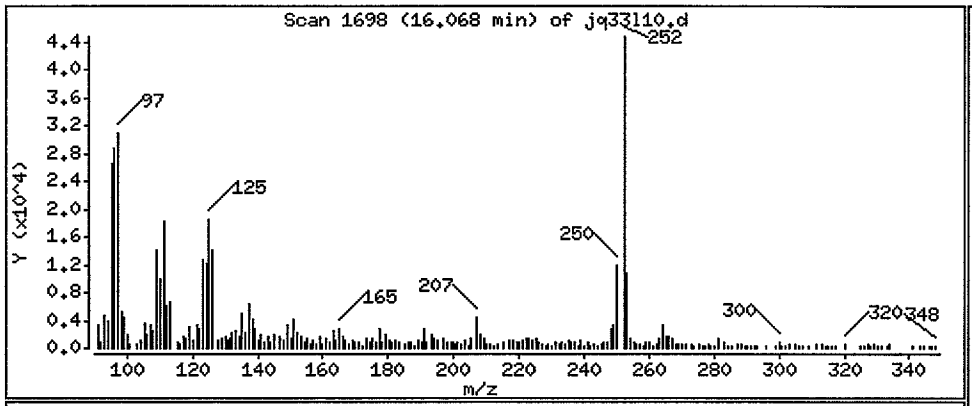
Operator: VTS

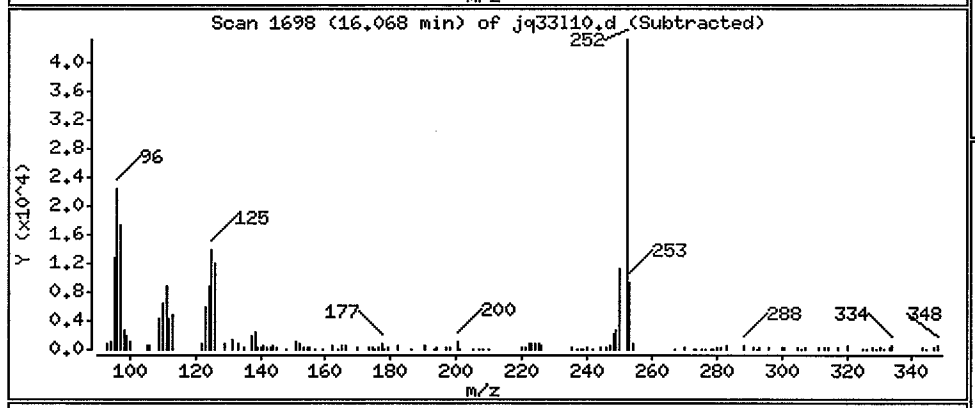
Column phase: ZB-5

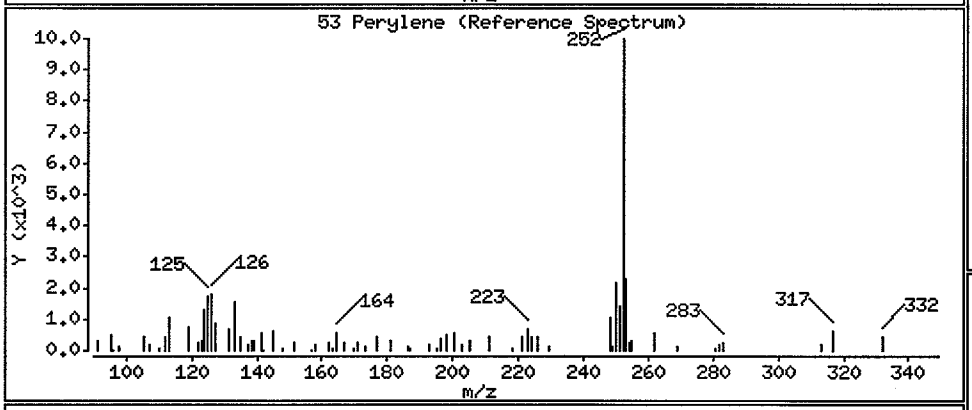
Column diameter: 0.25

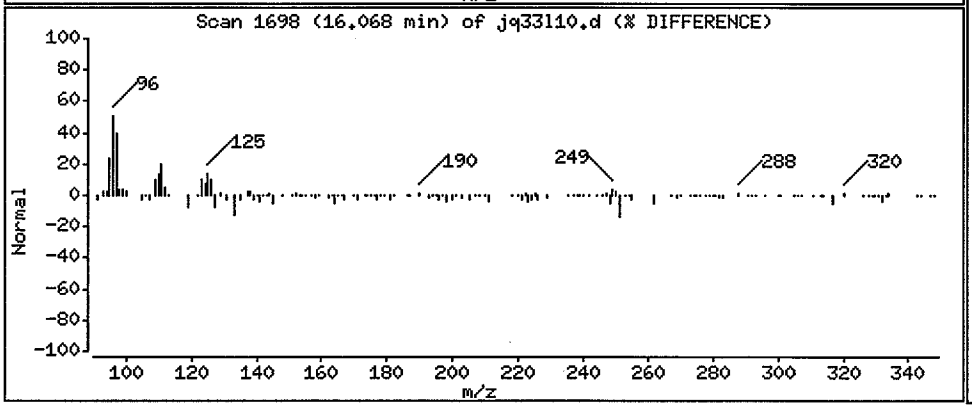
53 Perylene

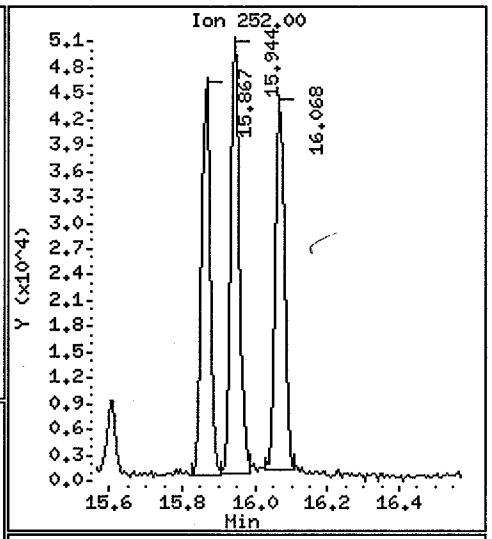
Concentration: 326.3 ug/kg

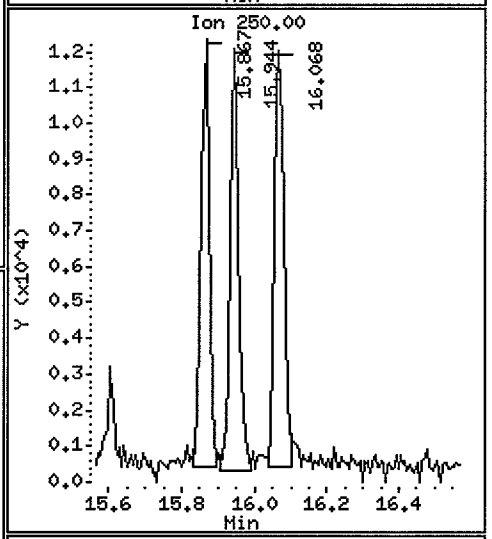


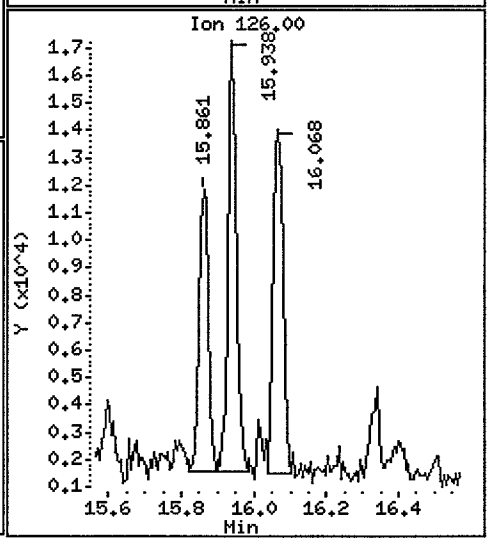












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-01-D
SAMPLE

Lab Sample ID: JQ33M
LIMS ID: 06-12935
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/07/06 16:38
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 49.1%
pH: 7.1

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	49	440	
91-57-6	2-Methylnaphthalene	49	240	
90-12-0	1-Methylnaphthalene	49	130	
208-96-8	Acenaphthylene	49	74	
83-32-9	Acenaphthene	49	2,100	
86-73-7	Fluorene	49	1,100	
85-01-8	Phenanthrene	49	8,900	EB
120-12-7	Anthracene	49	2,000	
206-44-0	Fluoranthene	49	19,000	E
129-00-0	Pyrene	49	16,000	E
56-55-3	Benzo(a)anthracene	49	12,000	E
218-01-9	Chrysene	49	14,000	E
205-99-2	Benzo(b)fluoranthene	49	14,000	E
207-08-9	Benzo(k)fluoranthene	49	12,000	E
50-32-8	Benzo(a)pyrene	49	16,000	E
193-39-5	Indeno(1,2,3-cd)pyrene	49	8,200	E
53-70-3	Dibenz(a,h)anthracene	49	2,800	
191-24-2	Benzo(g,h,i)perylene	49	8,600	E
198-55-0	Perylene	49	4,500	
92-52-4	Biphenyl	49	59	
581-42-0	2,6-Dimethylnaphthalene	49	110	
832-69-9	1-Methylphenanthrene	49	480	
192-97-2	Benzo(e)pyrene	49	9,400	E
2245-38-7	2,3,5-Trimethylnaphthalene	49	130	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	64.3%
d14-Dibenzo(a,h)anthracen	81.0%

0527

Analytical Resources, Inc. YZ 8/8/06

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq33m10.d
Lab Smp Id: JQ33M Client Smp ID: T4-S3-01-D
Inj Date : 07-AUG-2006 16:38
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33M,10
Misc Info : 06-12935
Comment : 1ul Injection
Method : /chem3/nt1.i/20060807.b/simpna.m
Meth Date : 07-Aug-2006 11:35 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 14
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	20.00000	Weight of sample extracted (g)
M	49.10000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.887	6.891	(1.000)	191997	2.00000	
	2 Naphthalene	128	6.911	6.915	(1.003)	86102	0.89908	441.6
$	3 2-Methylnaphthalene-d10	152	7.650	7.648	(1.111)	9549	0.19310	94.84
	4 2-Methylnaphthalene	142	7.685	7.683	(1.116)	28224	0.49765	244.4
	5 1-Methylnaphthalene	142	7.815	7.813	(1.135)	16003	0.26900	132.1
	7 Acenaphthylene	152	8.773	8.771	(0.980)	13605	0.14973	73.54
*	8 Acenaphthene-d10	164	8.956	8.954	(1.000)	109595	2.00000	
	9 Acenaphthene	153	8.991	8.989	(1.004)	231064	4.29384	2109
	10 Dibenzofuran	168	9.181	9.178	(1.025)	70129	0.88474	434.5
	11 Fluorene	166	9.606	9.604	(1.073)	141062	2.28601	1123
*	15 Phenanthrene-d10	188	10.764	10.762	(1.000)	181216	2.00000	
	16 Phenanthrene	178	10.800	10.792	(1.003)	1692626	18.1973 EB	8938
	17 Anthracene	178	10.853	10.851	(1.008)	372686	4.00938	1969
	19 Fluoranthene	202	12.295	12.287	(1.142)	3598710	37.9318 E	18630
	20 Pyrene	202	12.585	12.577	(0.893)	3562924	31.8888 E	15660

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	22 Benzo(a)anthracene	228	14.068	14.054	(0.999)	2453039	23.4114 E	11500
*	23 Chrysene-d12	240	14.086	14.078	(1.000)	173999	2.00000	
	24 Chrysene	228	14.121	14.107	(1.003)	2717644	28.1201 E	13810
	28 Benzo(b)fluoranthene	252	15.475	15.455	(0.964)	2863392	29.4939 E	14490
	29 Benzo(k)fluoranthene	252	15.504	15.484	(0.966)	2526823	24.4135 E	11990(H)
	30 Benzo(a)pyrene	252	15.977	15.951	(0.996)	3050066	32.2421 E	15840
*	31 Perylene-d12	264	16.048	16.034	(1.000)	172020	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	18.040	18.002	(1.124)	1816864	16.7009 E	8203
$	32 Dibenz(a,h)anthrancene-d14	292	17.939	17.931	(1.118)	15996	0.24298	119.3(M)
	34 Dibenz(a,h)anthracene	278	18.022	17.996	(1.123)	512413	5.76569	2832
	35 Benzo(g,h,i)perylene	276	18.625	18.581	(1.161)	1596235	17.6513 E	8670
	48 Biphenyl	154	8.223	8.221	(0.918)	8011	0.11831	58.11
	49 2,6-Dimethylnaphthalene	156	8.418	8.416	(0.940)	12328	0.23116	113.5
	50 2,3,5-Trimethylnaphthalene	170	9.435	9.438	(1.053)	11317	0.25907	127.2
	51 1-Methylphenanthrene	192	11.568	11.566	(0.821)	70663	0.99213	487.3
	52 Benzo(e)pyrene	252	15.894	15.869	(0.990)	2010628	19.2013 E	9431
	53 Perylene	252	16.089	16.075	(1.003)	909169	9.24719	4542

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33m10.d
Lab Smp Id: JQ33M
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12935

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-01-D
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	191997	-16.90
8 Acenaphthene-d10	129131	64566	258262	109595	-15.13
15 Phenanthrene-d10	212850	106425	425700	181216	-14.86
23 Chrysene-d12	190817	95408	381634	173999	-8.81
31 Perylene-d12	197592	98796	395184	172020	-12.94

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.89	6.39	7.39	6.89	-0.06
8 Acenaphthene-d10	8.95	8.45	9.45	8.96	0.02
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	0.02
23 Chrysene-d12	14.08	13.58	14.58	14.09	0.06
31 Perylene-d12	16.03	15.53	16.53	16.05	0.09

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33M
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12935

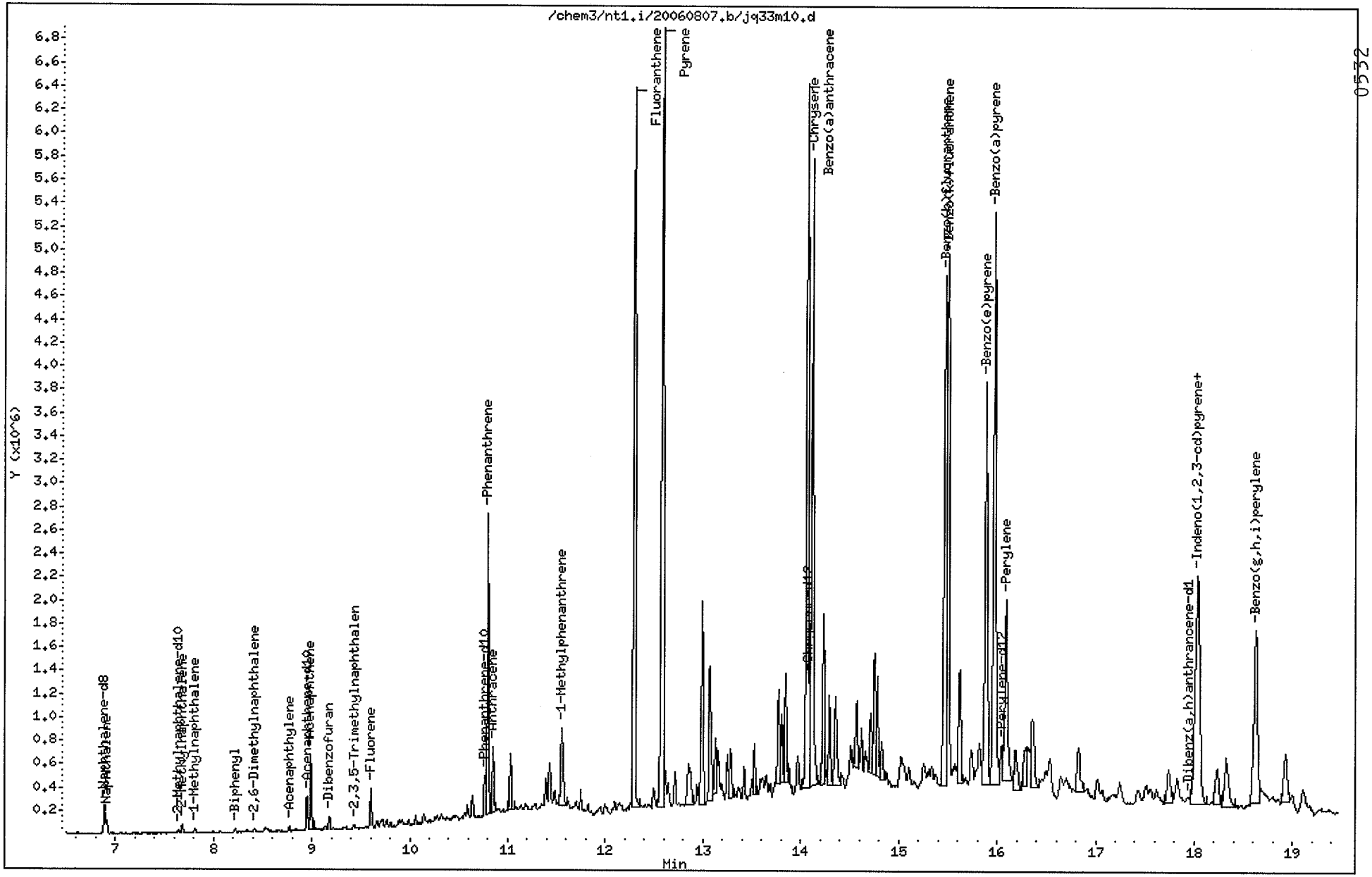
Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-S3-01-D
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	147.3	94.84	64.37	32-97
$ 32 Dibenz(a,h)anthran	147.3	119.3	80.99	21-105

Data File: /chem3/nt1.i/20060807.b/jq33m10.d
Date : 07-AUG-2006 16:38
Client ID: T4-S3-01-D
Sample Info: JQ33M,10
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i

Operator: VTS
Column diameter: 0.25



Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

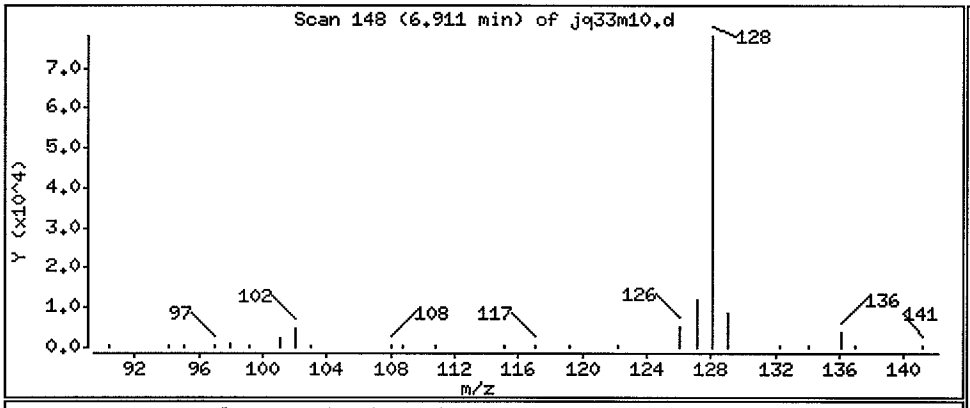
Operator: VTS

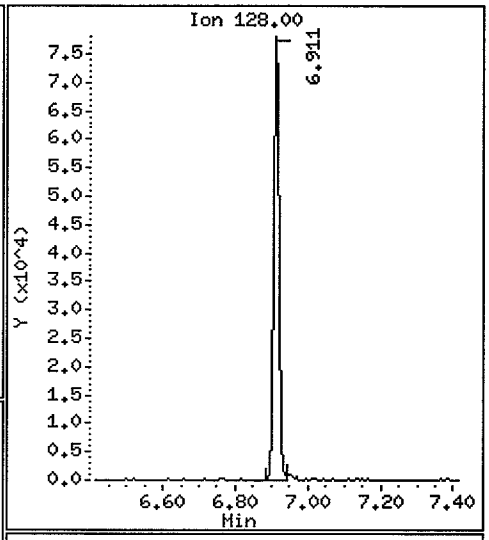
Column phase: ZB-5

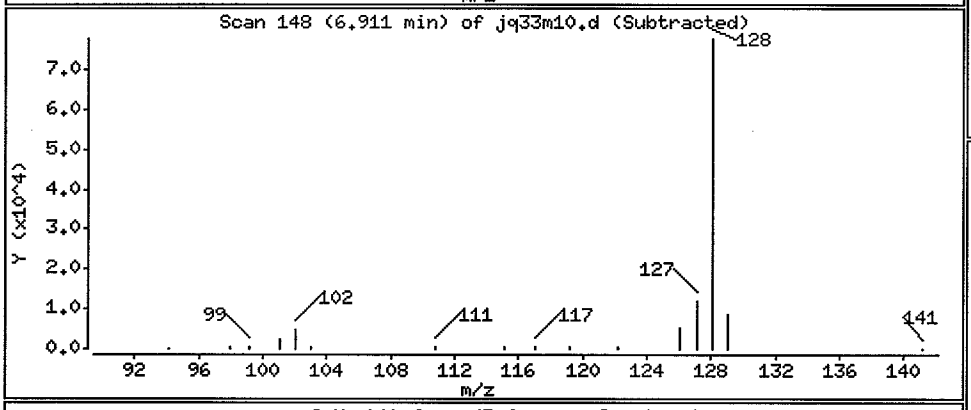
Column diameter: 0.25

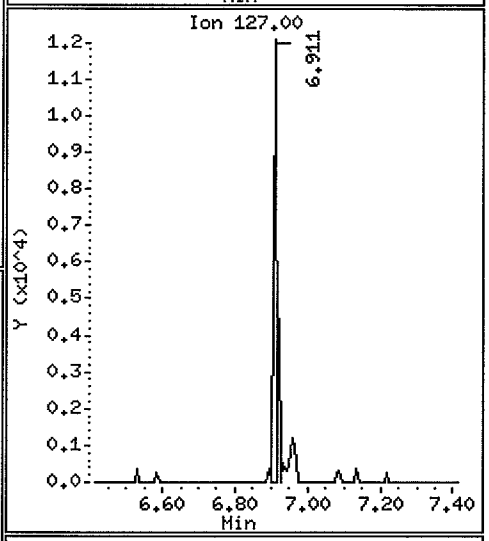
2 Naphthalene

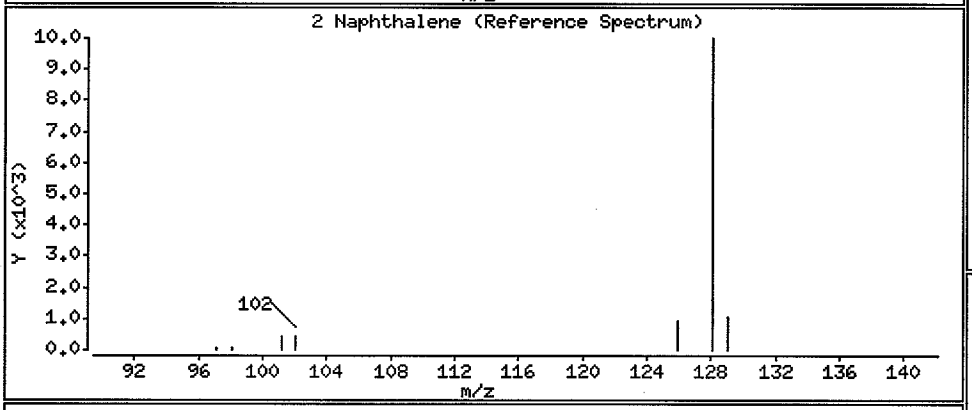
Concentration: 441.6 ug/kg

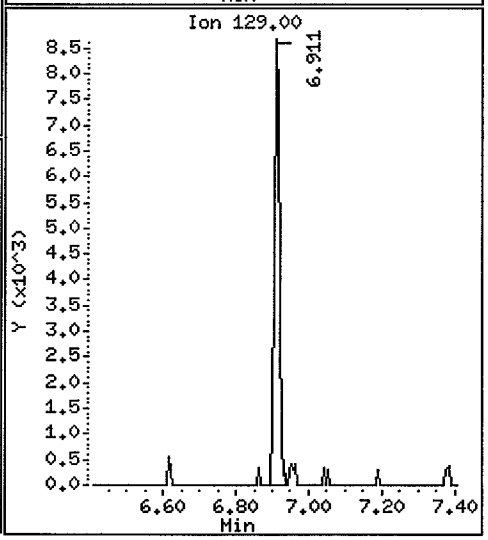


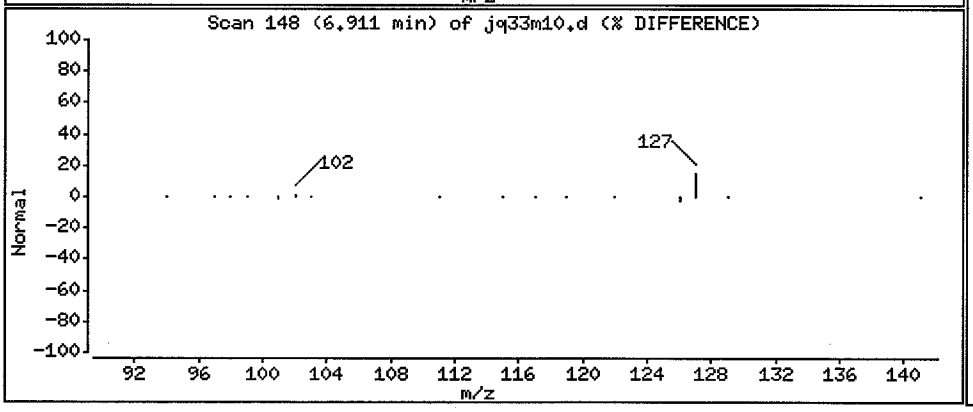












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

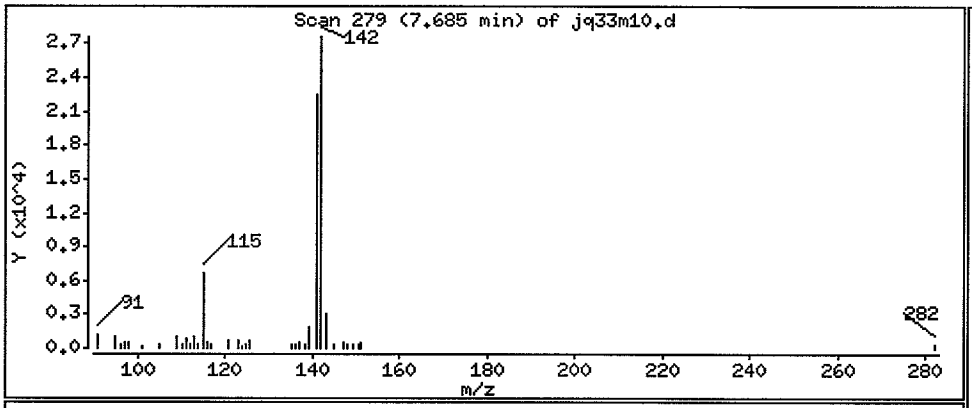
Operator: VTS

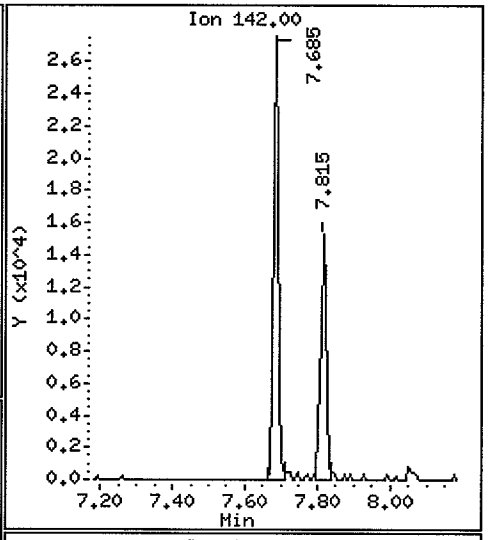
Column phase: ZB-5

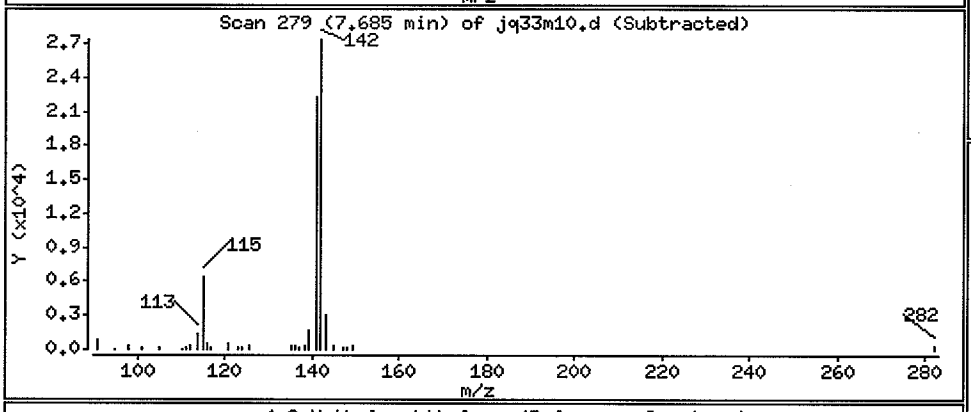
Column diameter: 0.25

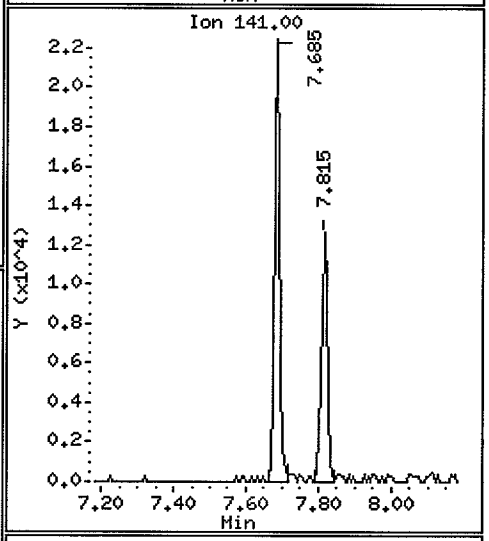
4 2-Methylnaphthalene

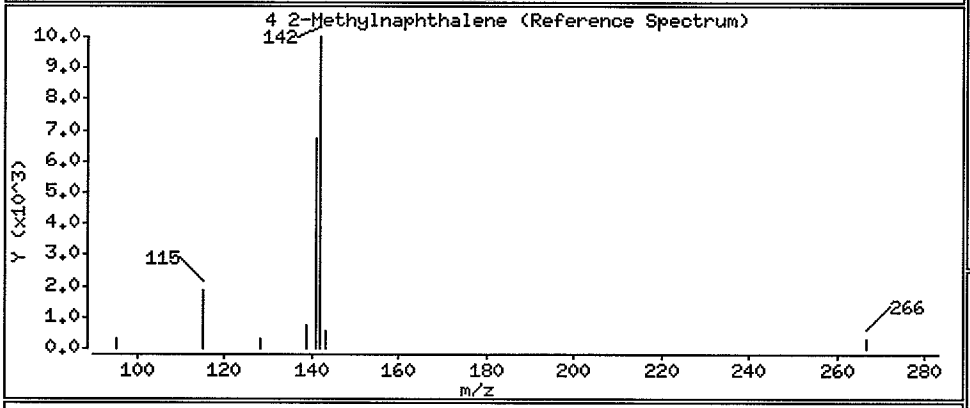
Concentration: 244.4 ug/kg

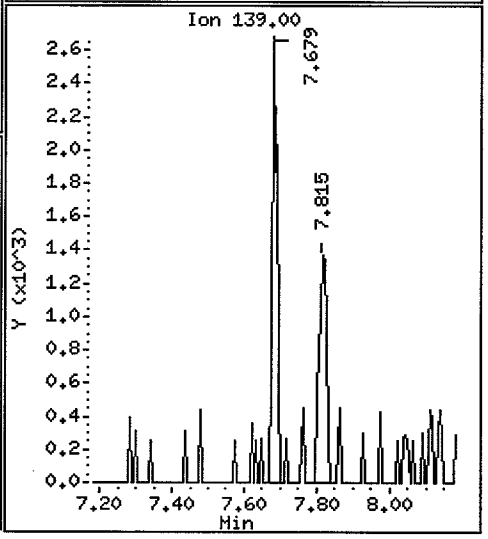


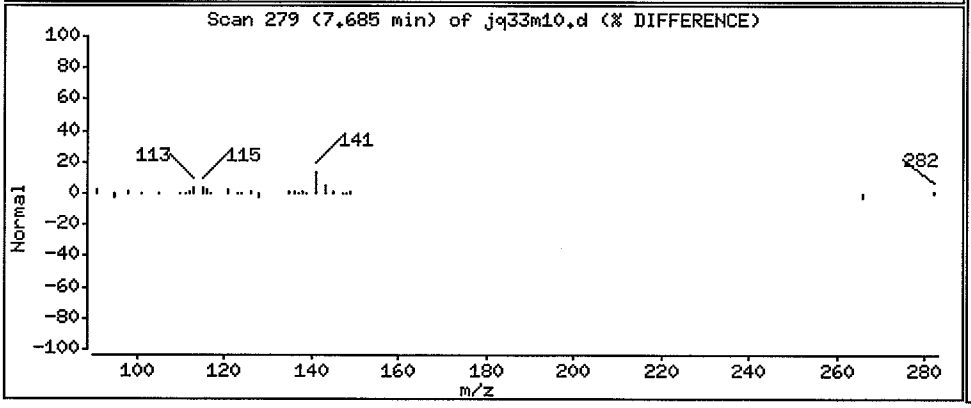












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

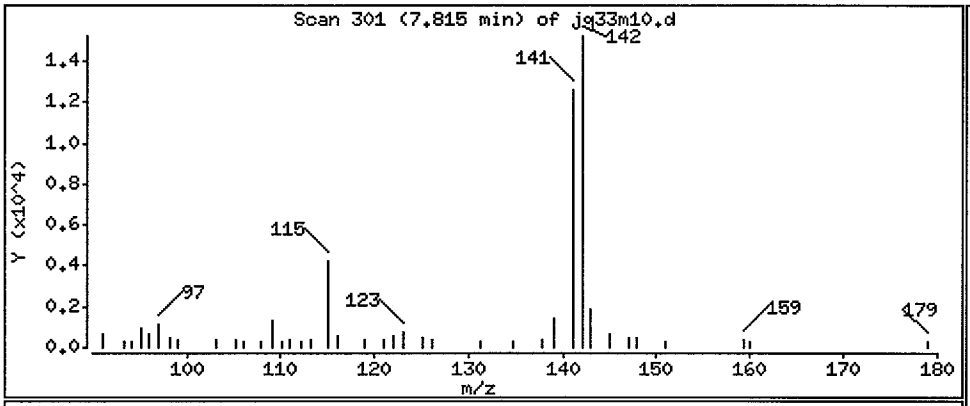
Operator: VTS

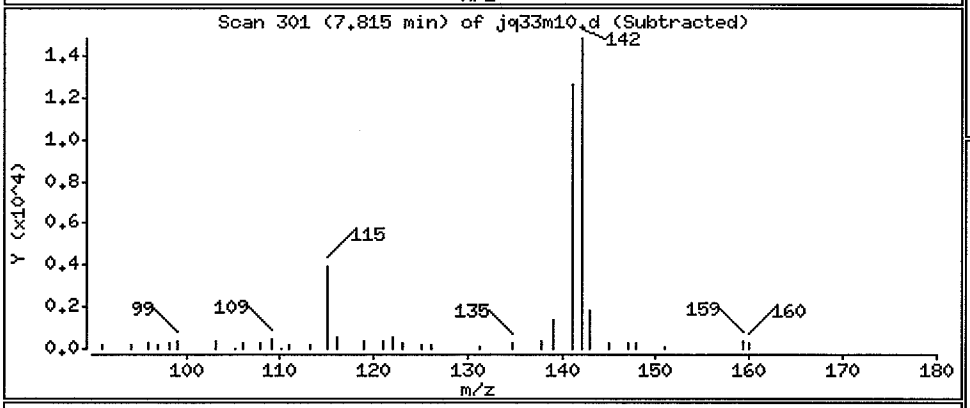
Column phase: ZB-5

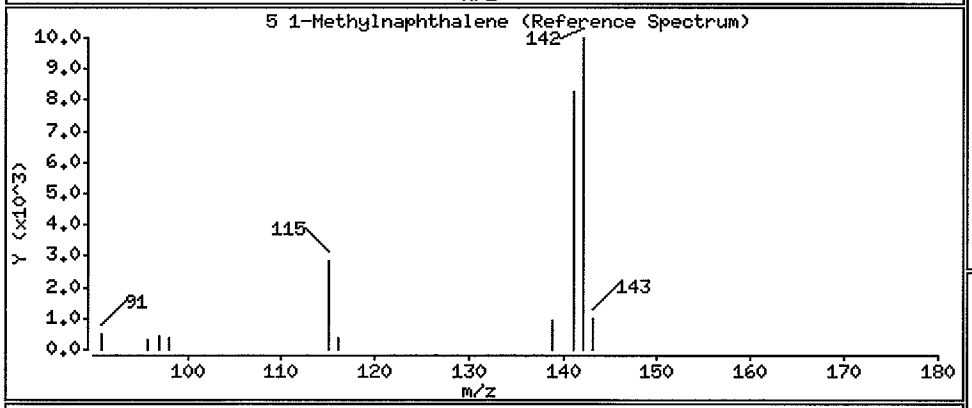
Column diameter: 0.25

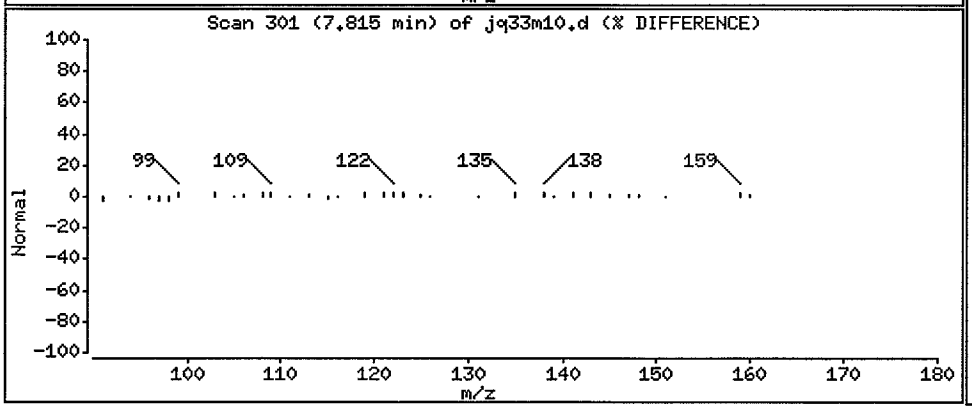
5 1-Methylnaphthalene

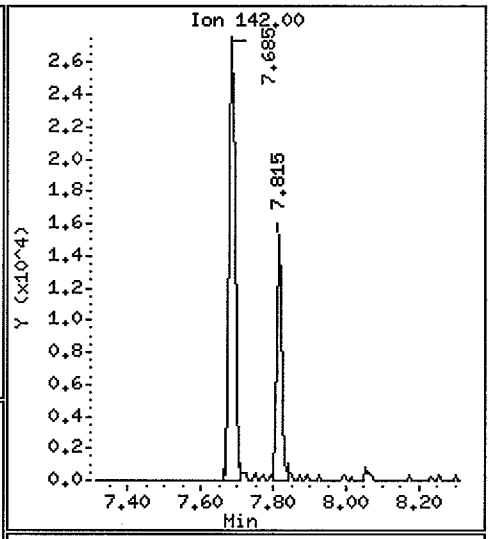
Concentration: 132.1 ug/kg

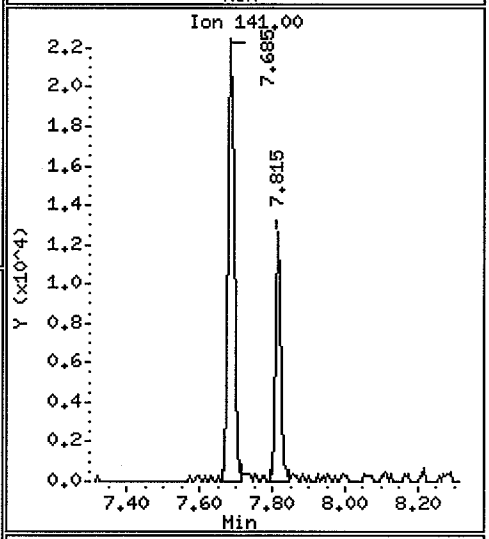


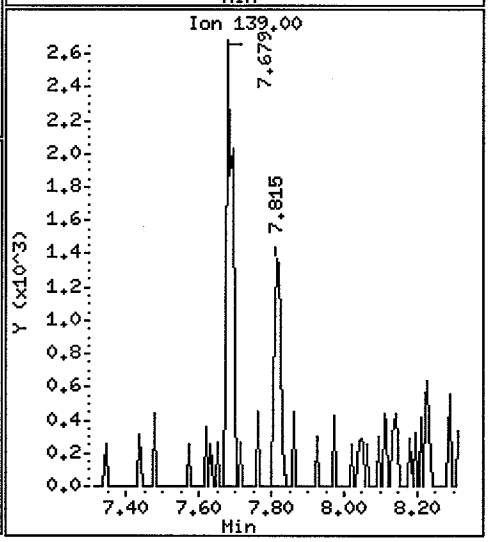












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

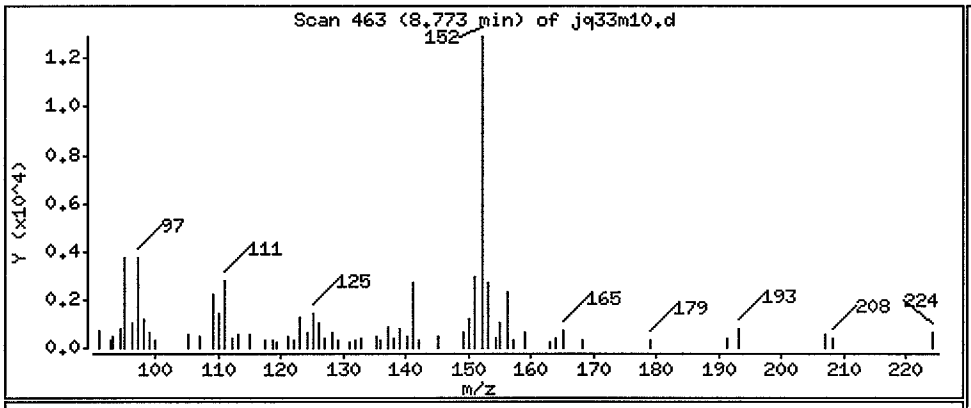
Operator: VTS

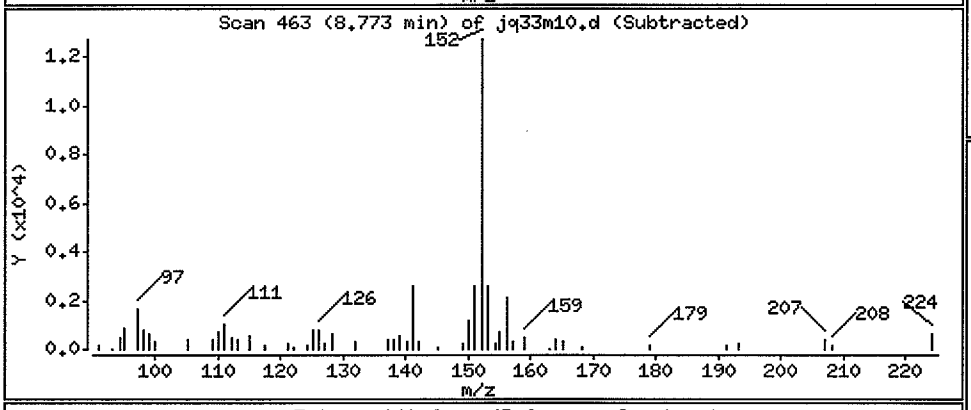
Column phase: ZB-5

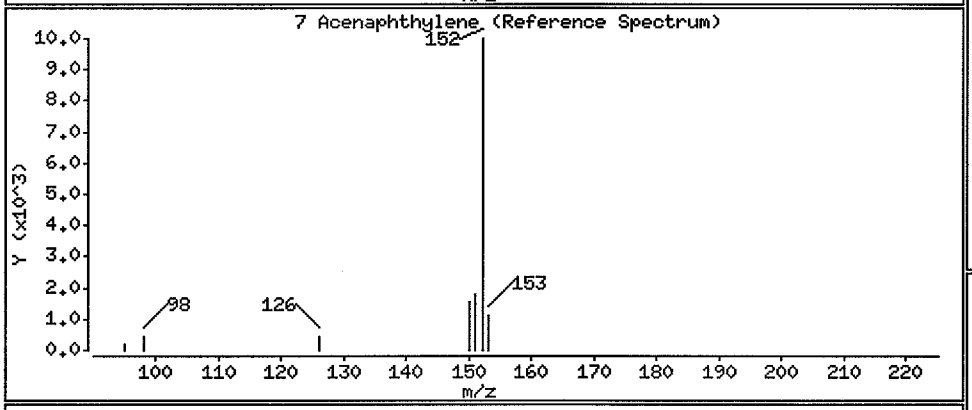
Column diameter: 0.25

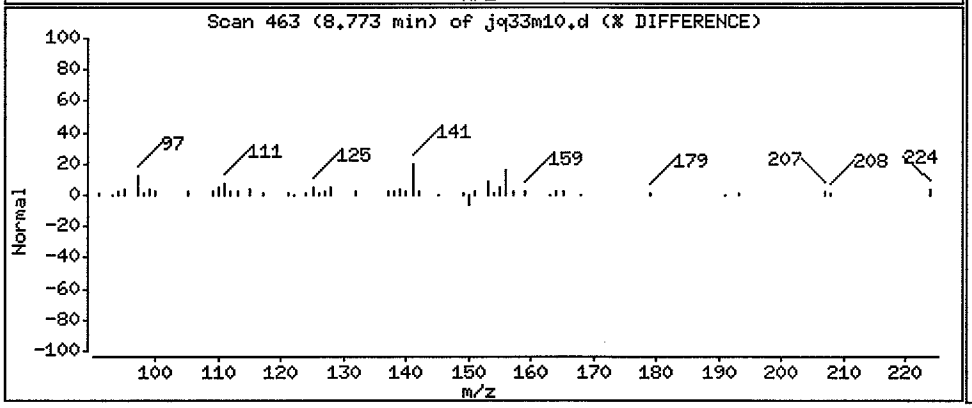
7 Acenaphthylene

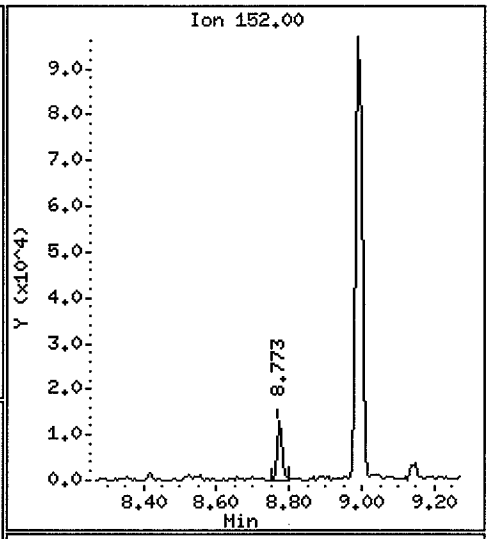
Concentration: 73.54 ug/kg

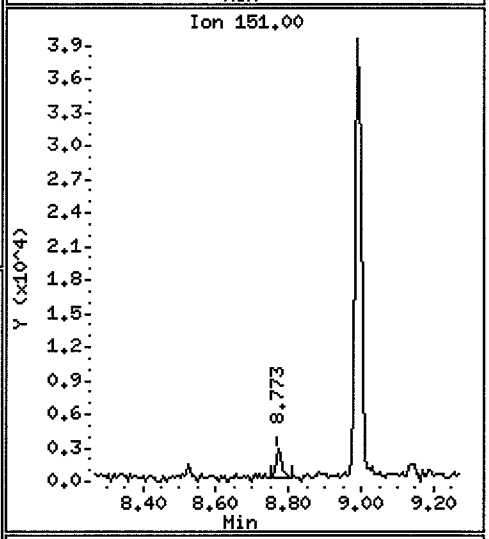


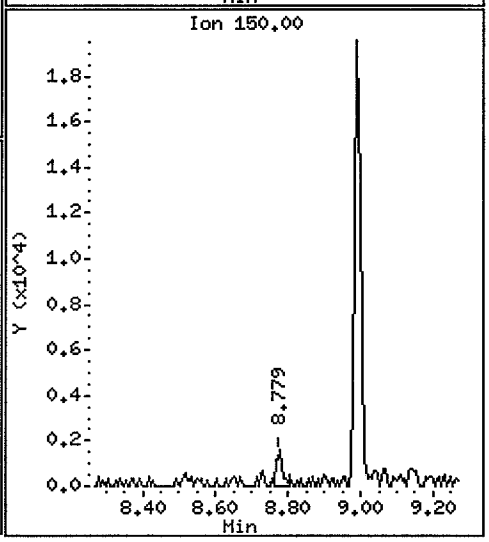












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

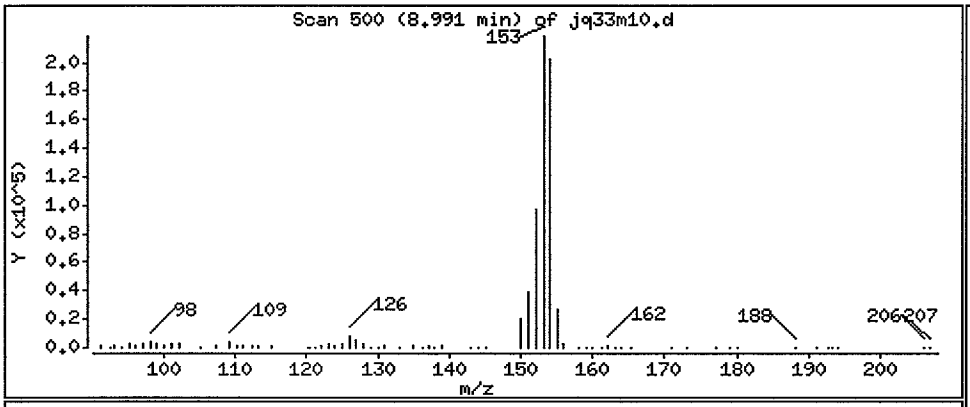
Operator: VTS

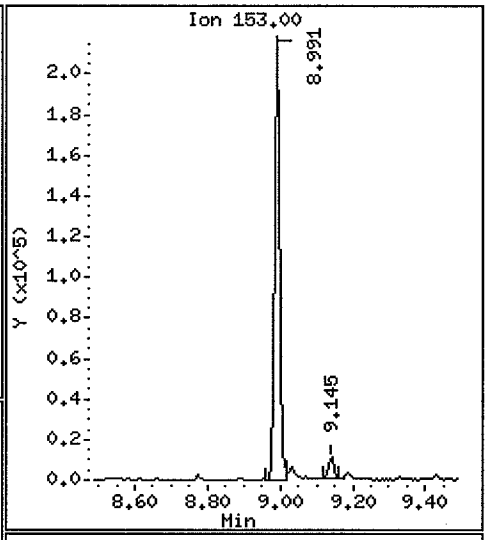
Column phase: ZB-5

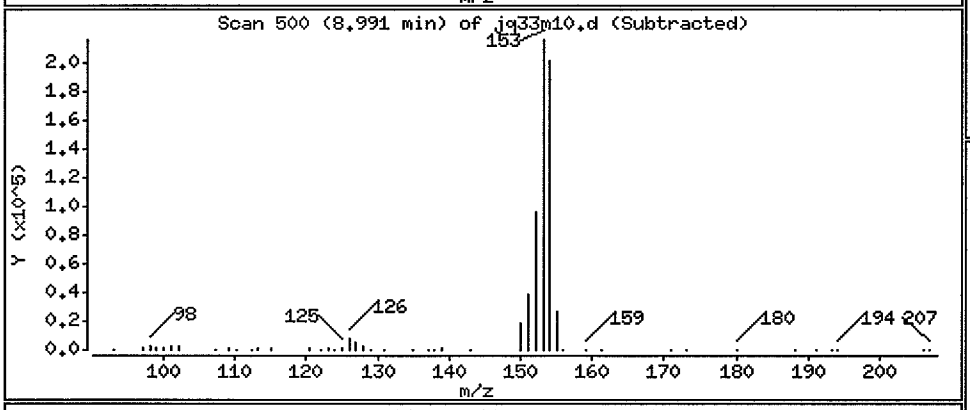
Column diameter: 0.25

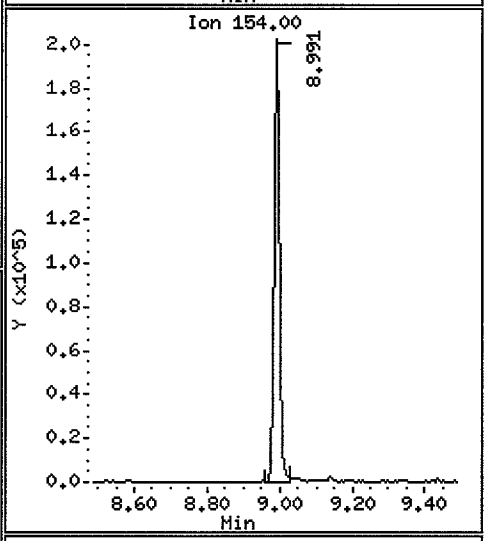
9 Acenaphthene

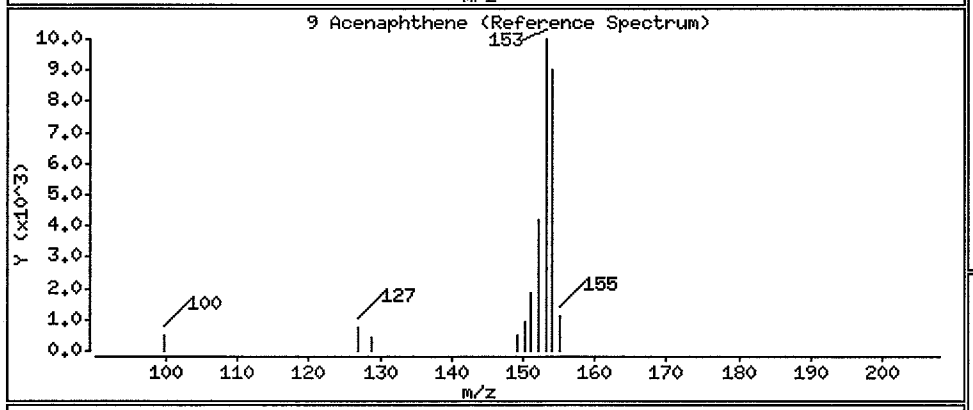
Concentration: 2109 ug/kg

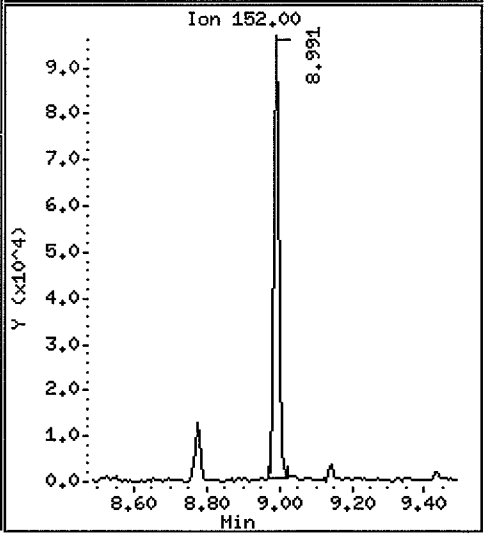


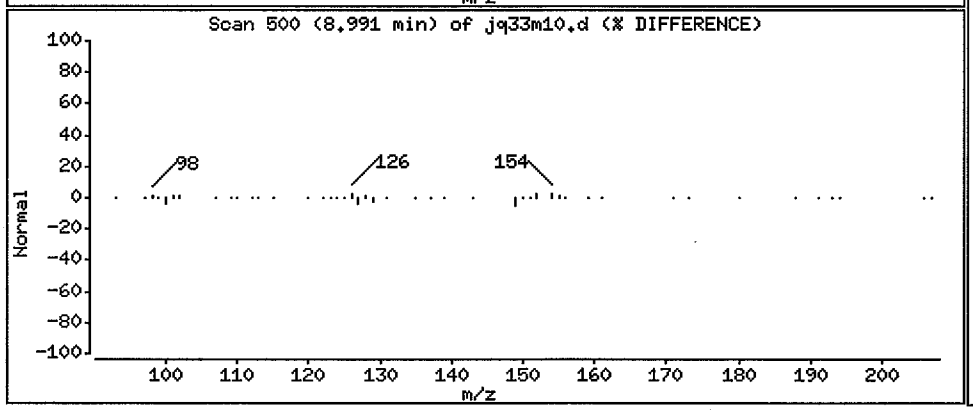












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

Operator: VTS

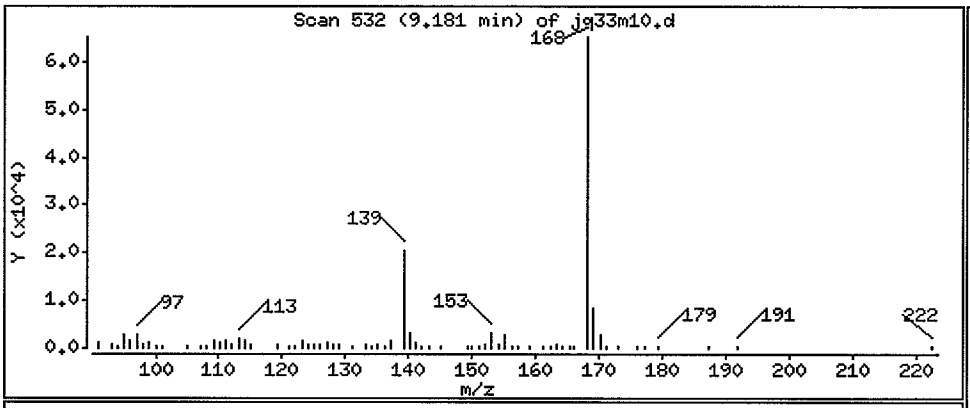
Column phase: ZB-5

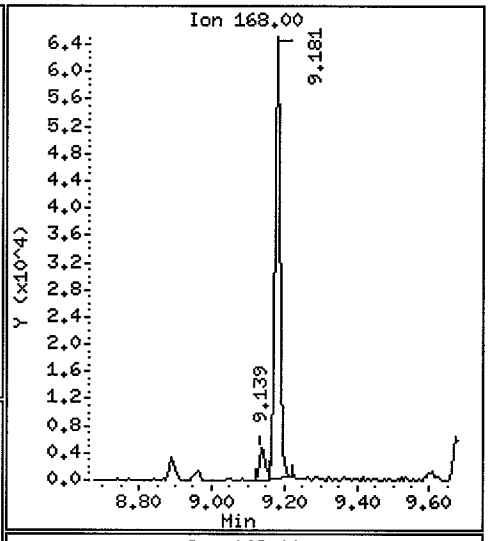
Column diameter: 0.25

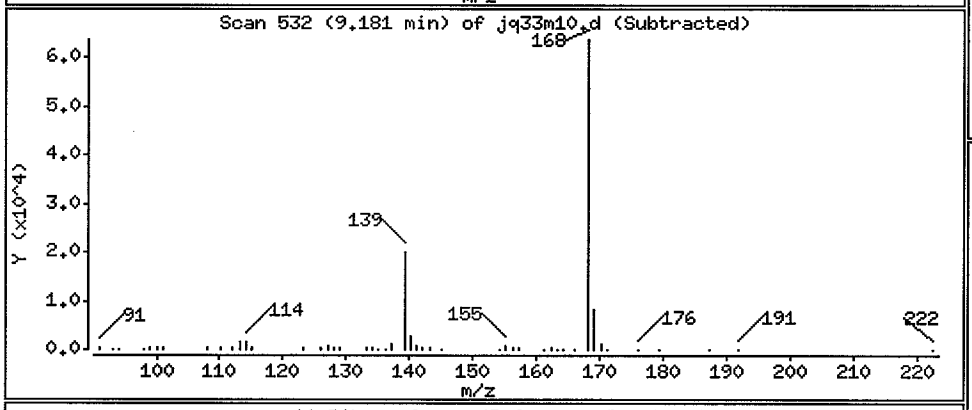
10 Dibenzofuran

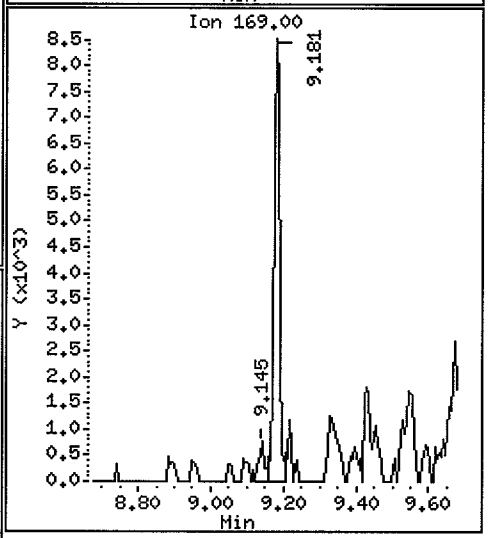
Concentration: 434.5 ug/kg

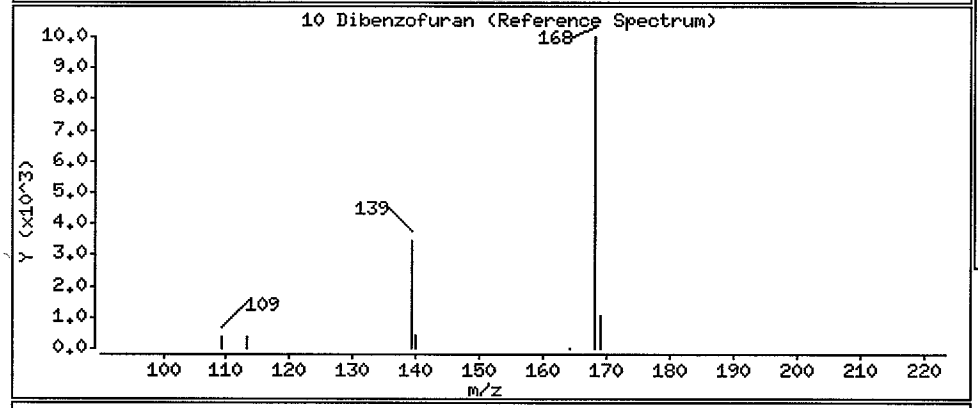
U.R. qpl

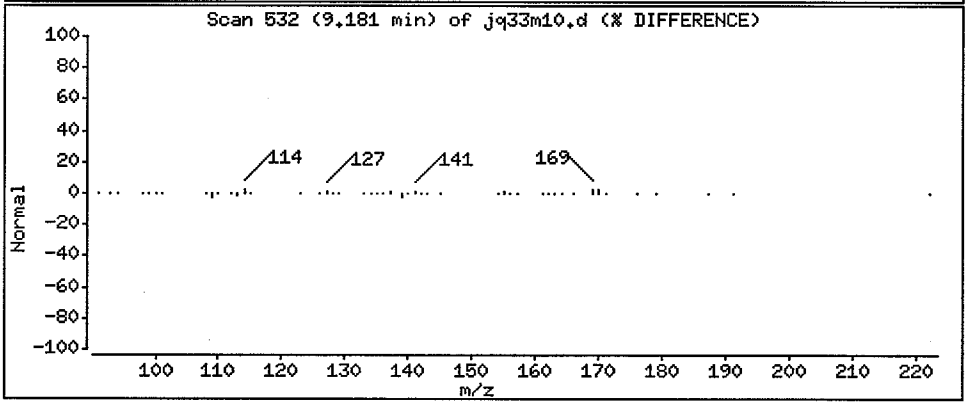












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

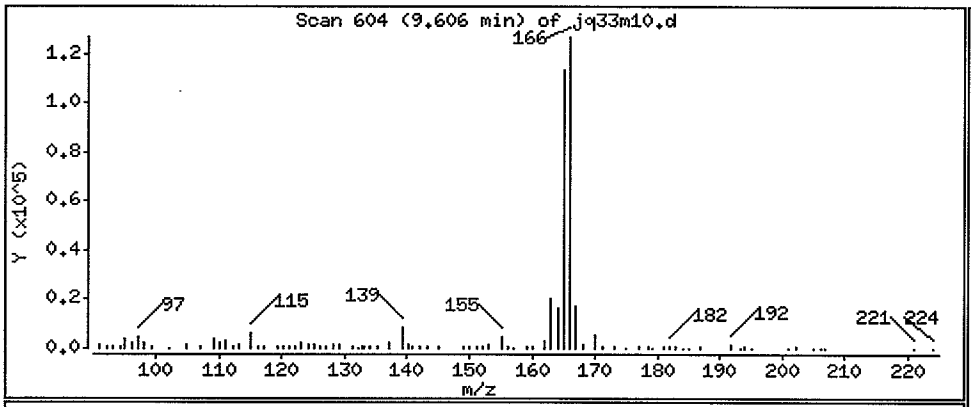
Operator: VTS

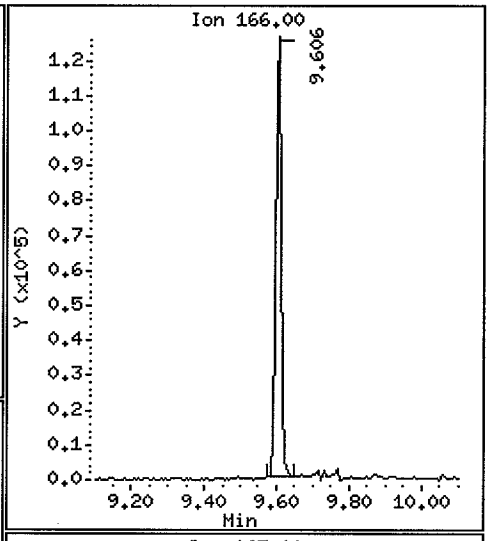
Column phase: ZB-5

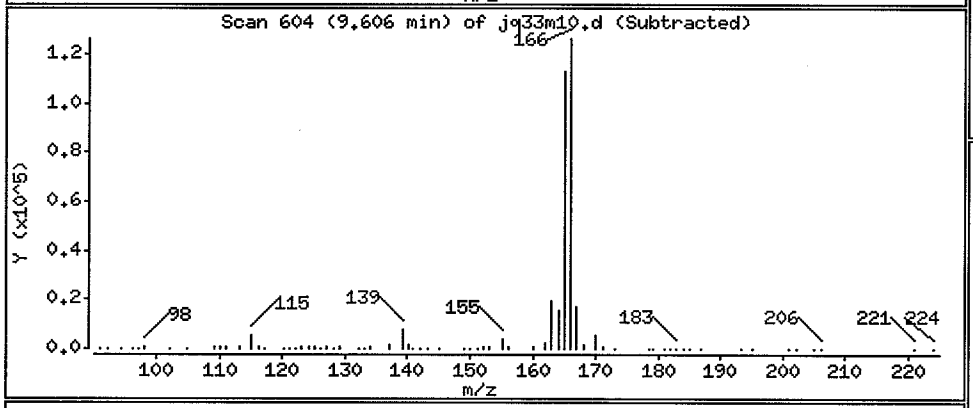
Column diameter: 0.25

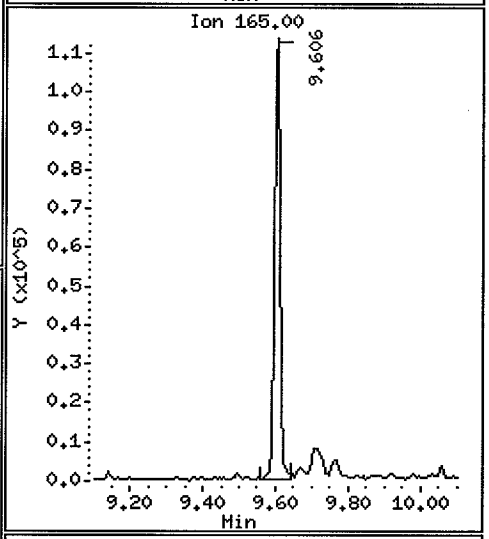
11 Fluorene

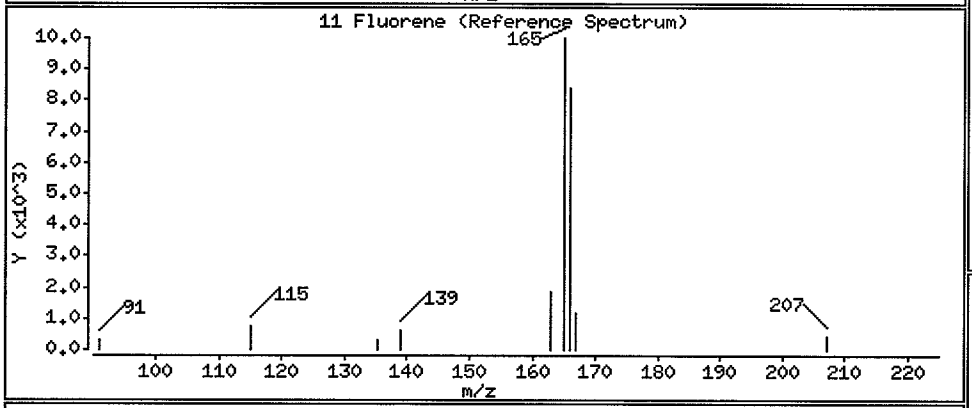
Concentration: 1123 ug/kg

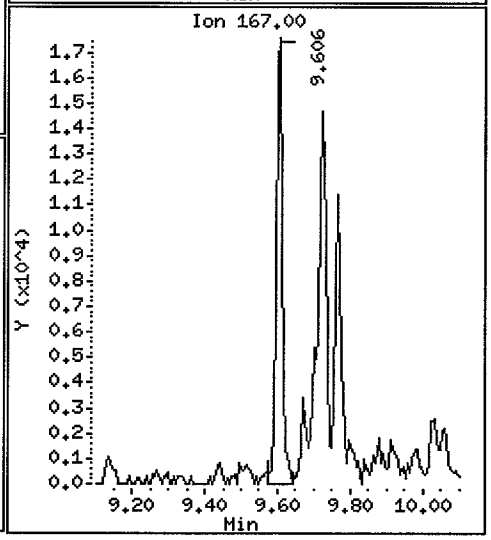


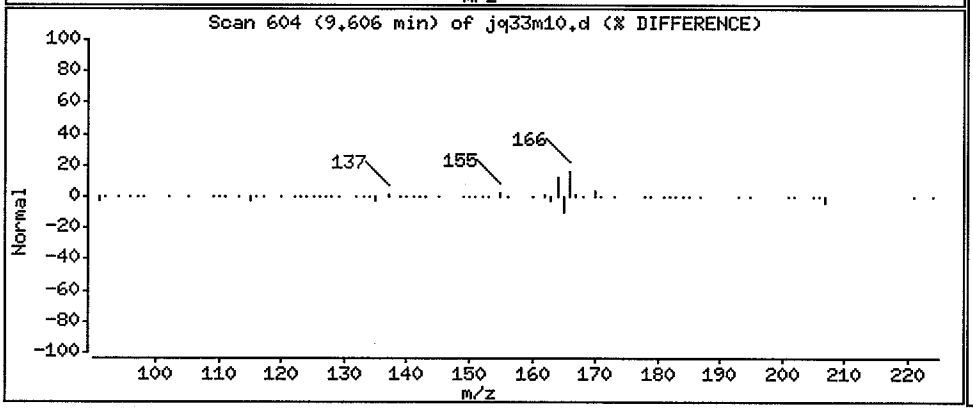












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

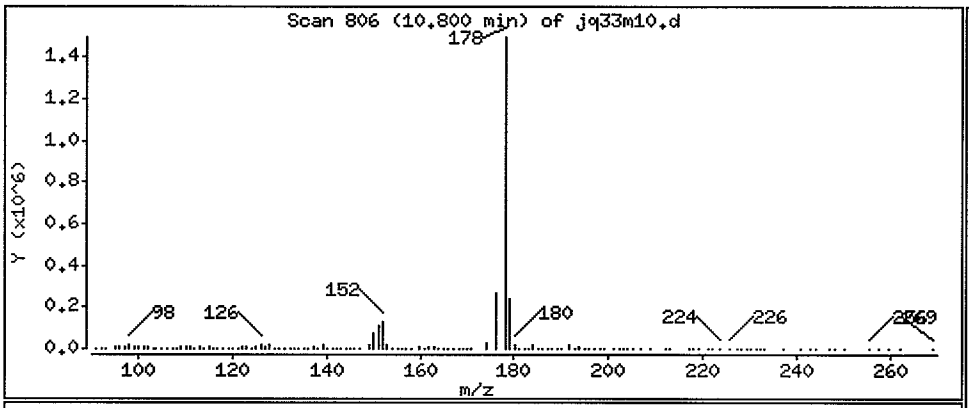
Operator: VTS

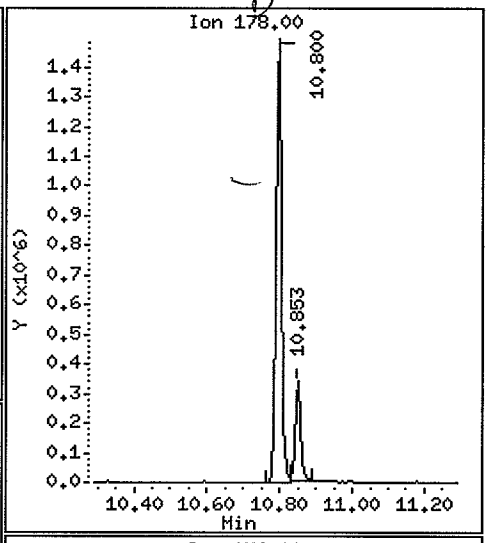
Column phase: ZB-5

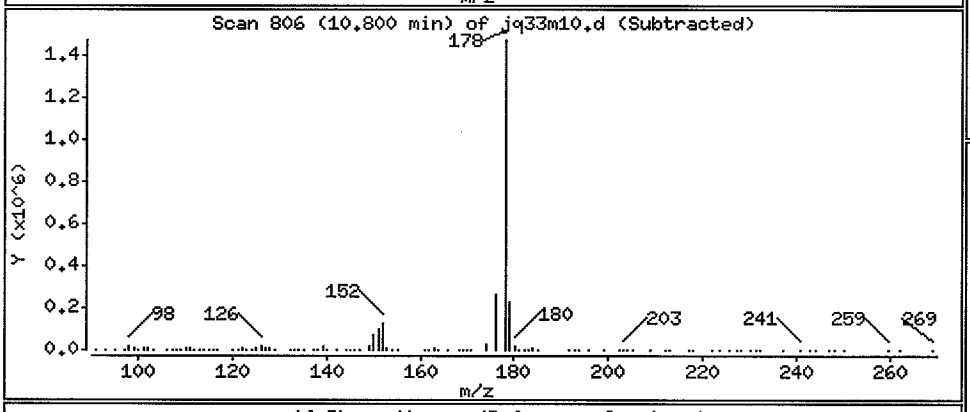
Column diameter: 0.25

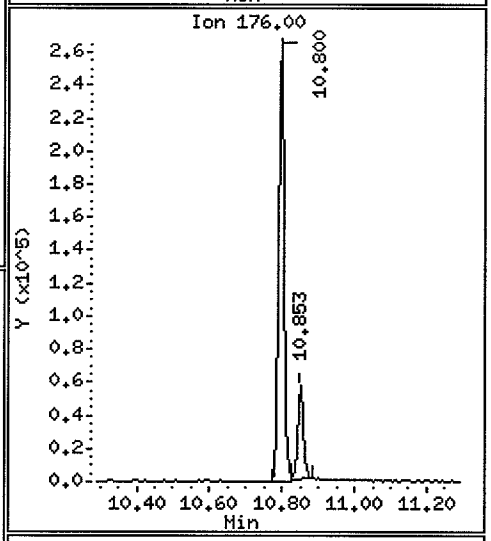
16 Phenanthrene

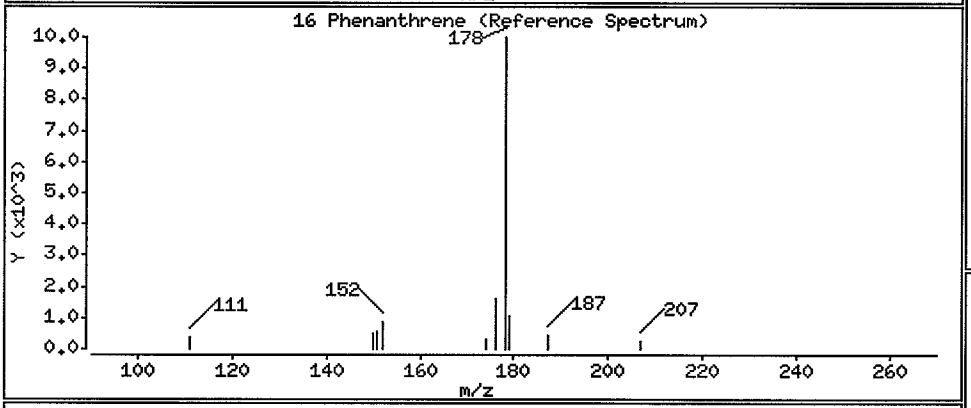
Concentration: 8938 ug/kg

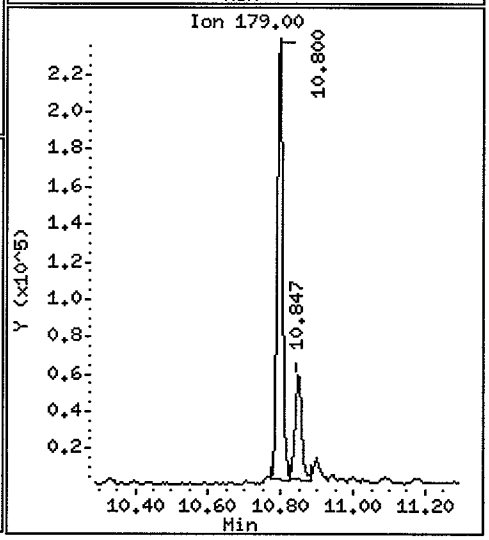


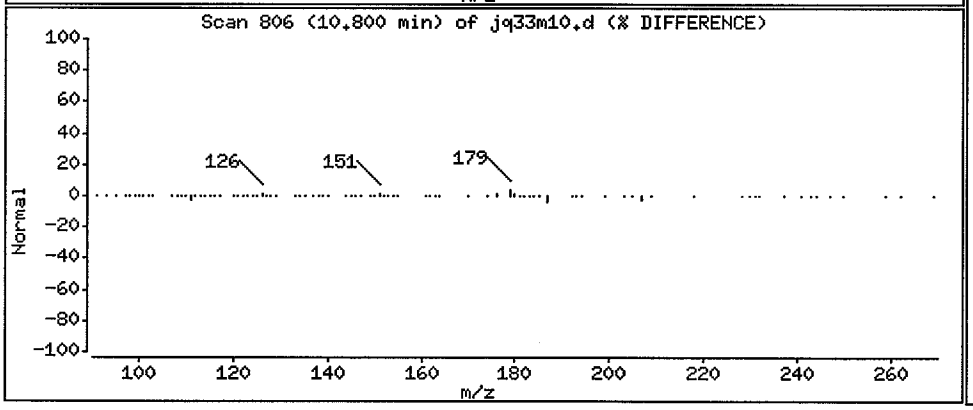












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

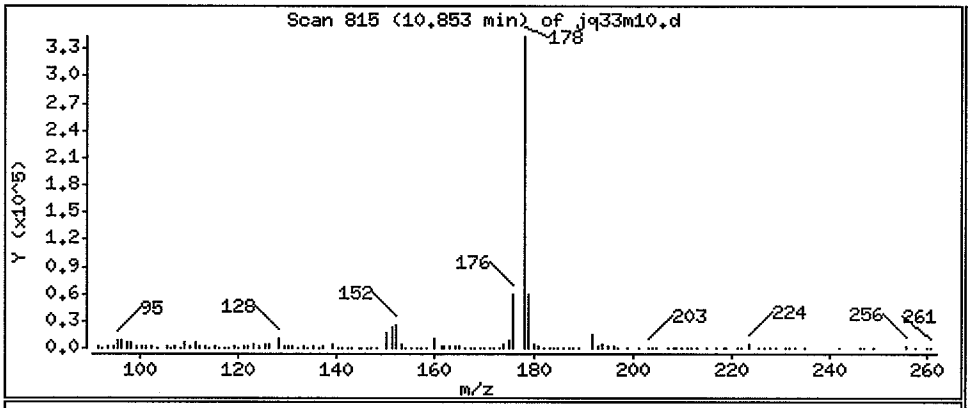
Operator: VTS

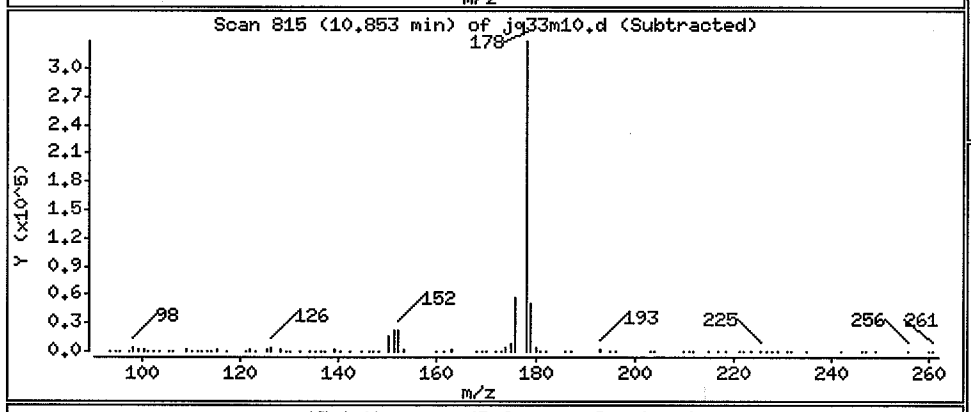
Column phase: ZB-5

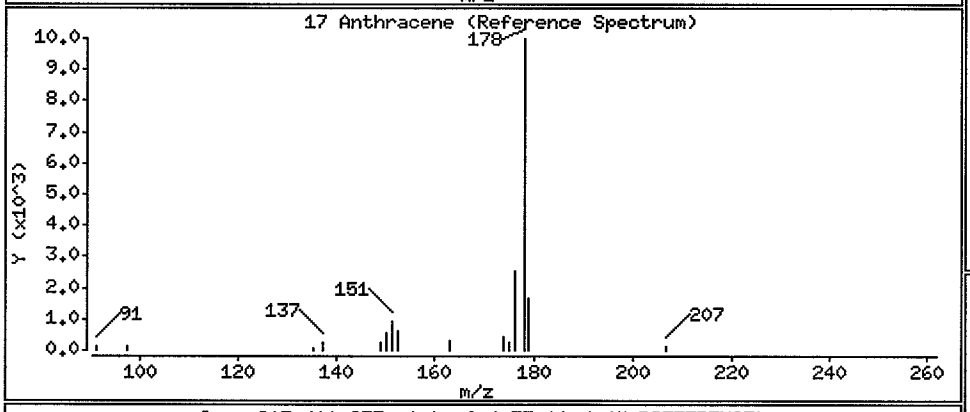
Column diameter: 0.25

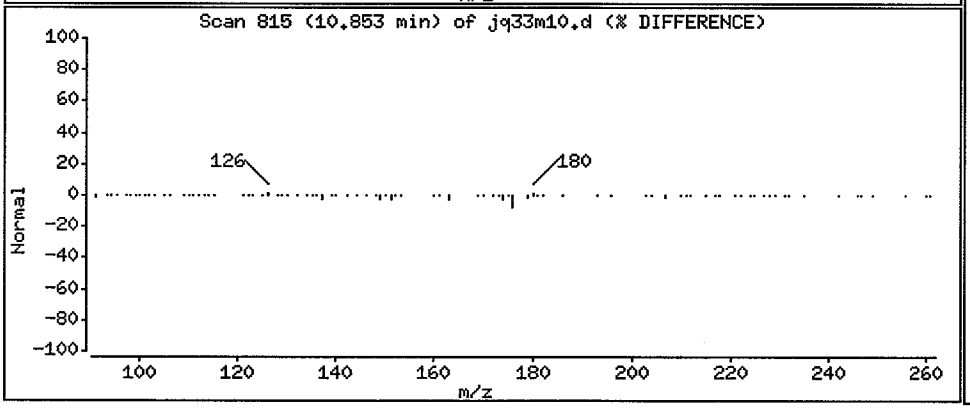
17 Anthracene

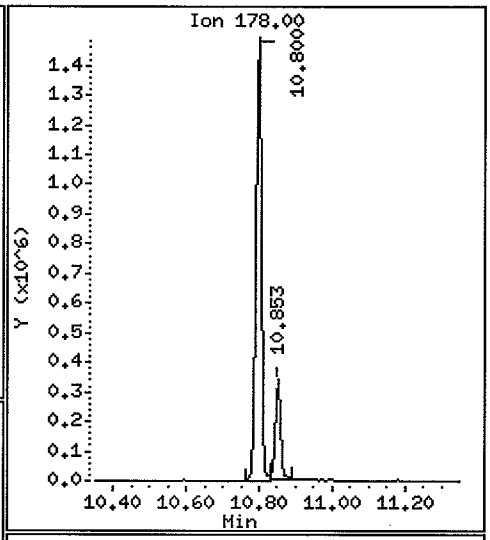
Concentration: 1969 ug/kg

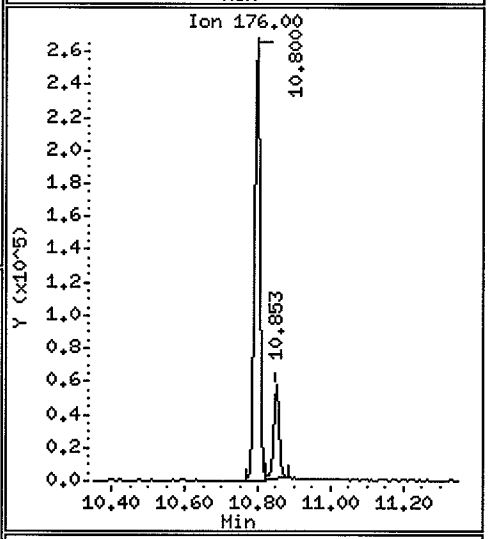


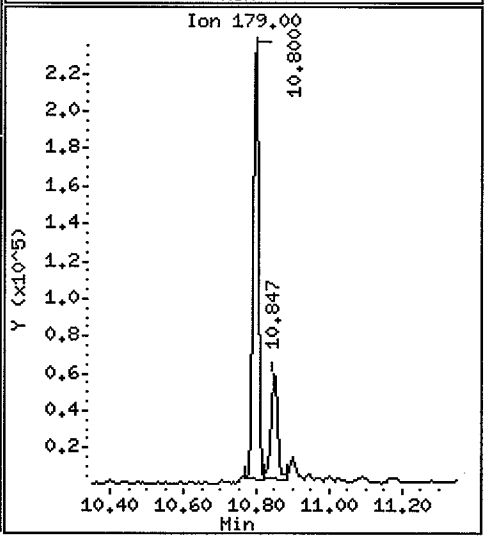












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

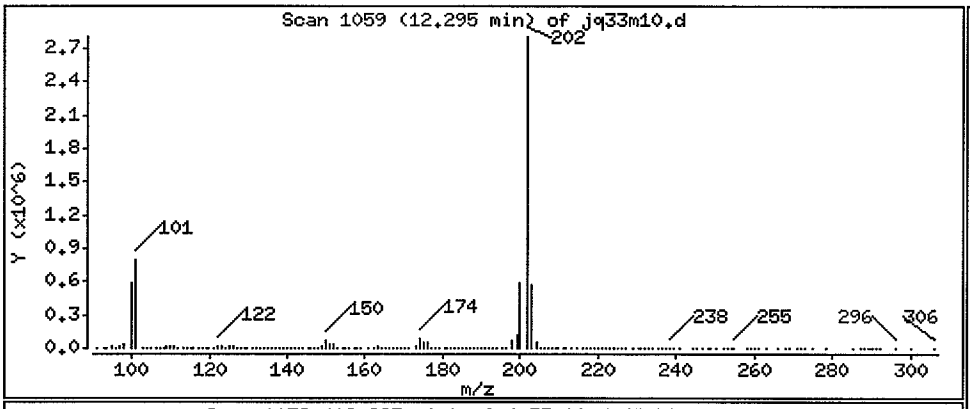
Operator: VTS

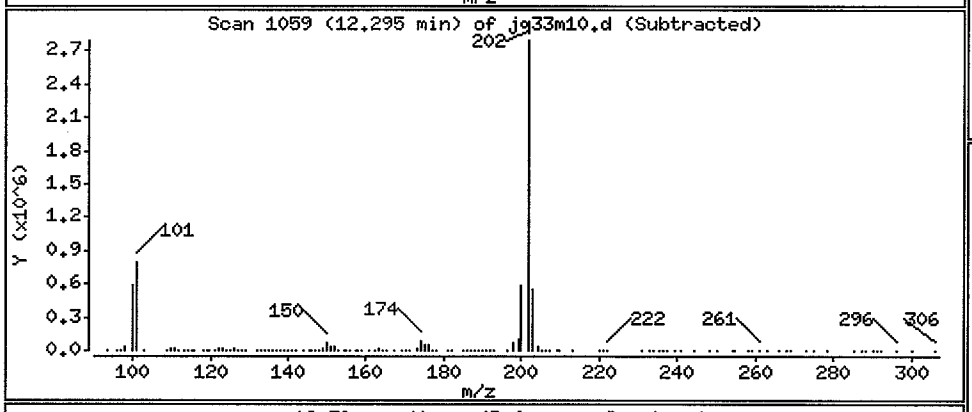
Column phase: ZB-5

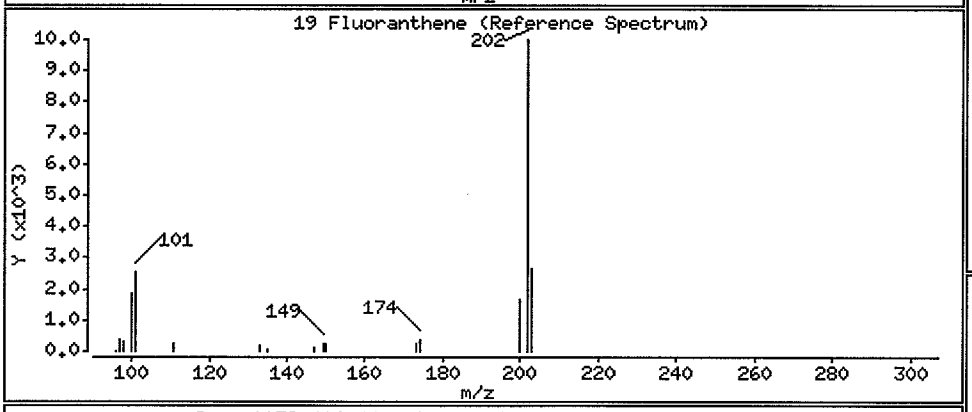
Column diameter: 0.25

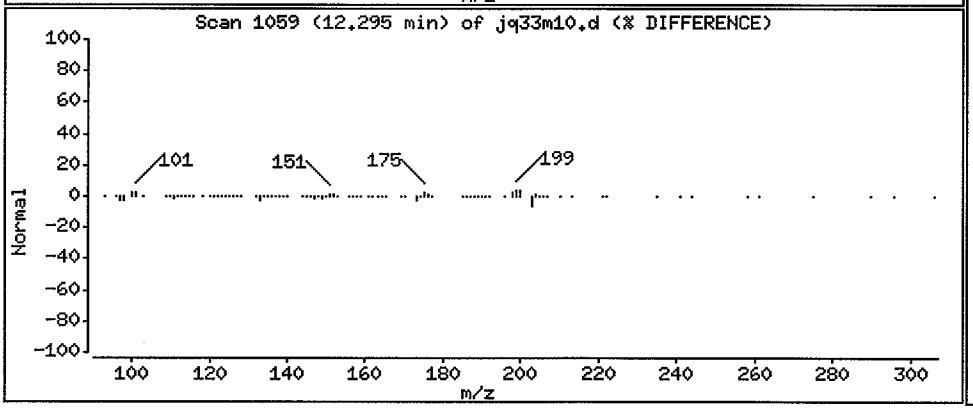
19 Fluoranthene

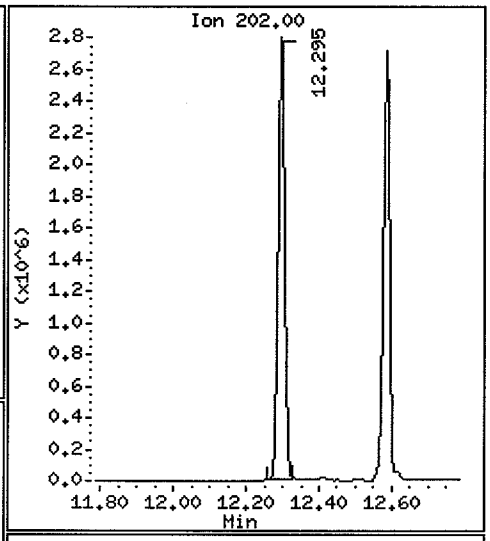
Concentration: 18630 ug/kg

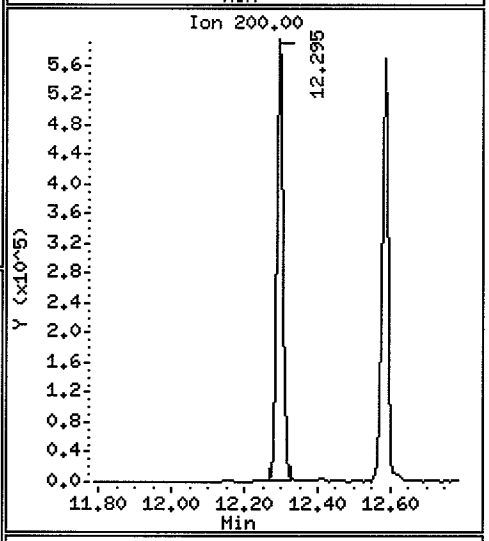


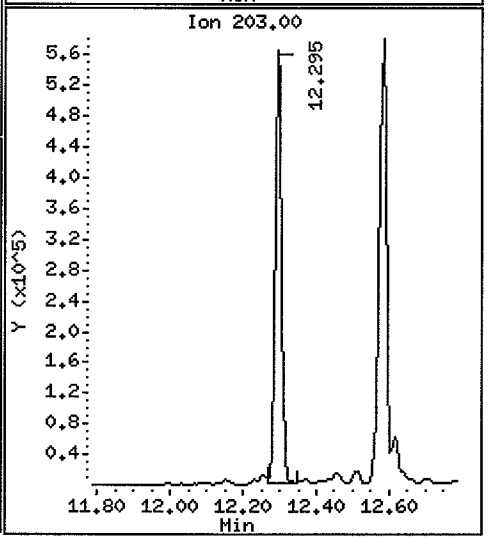












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

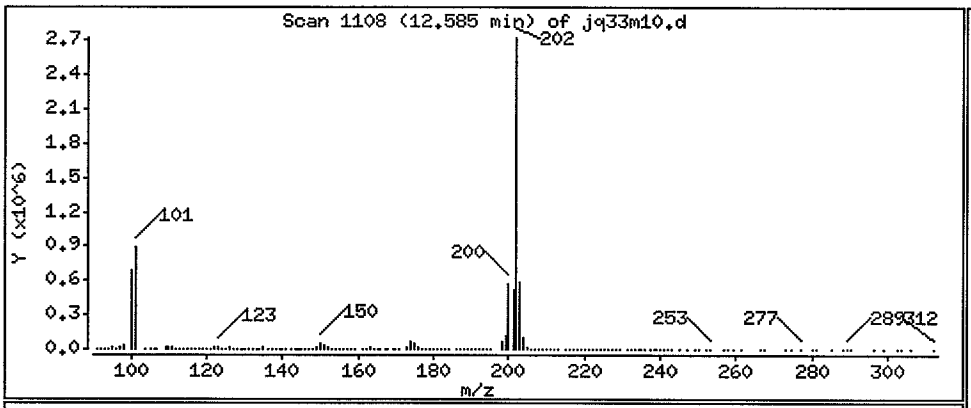
Operator: VTS

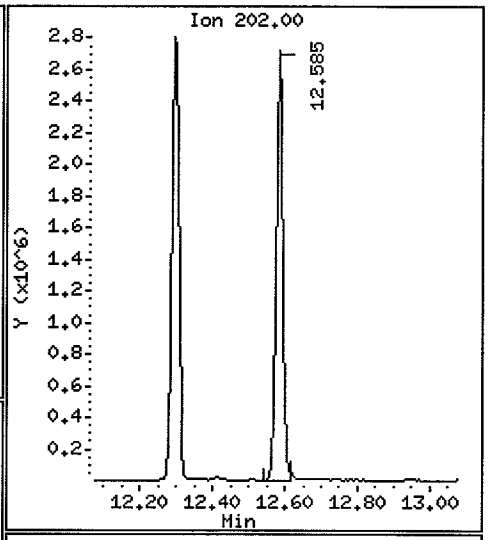
Column phase: ZB-5

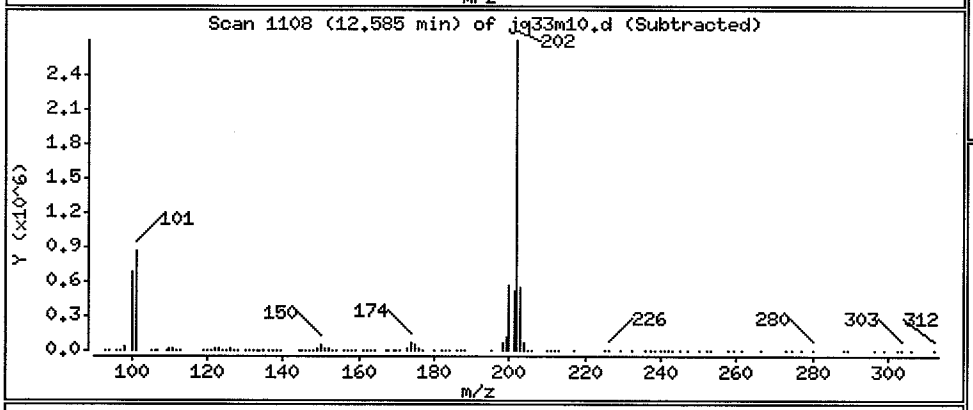
Column diameter: 0.25

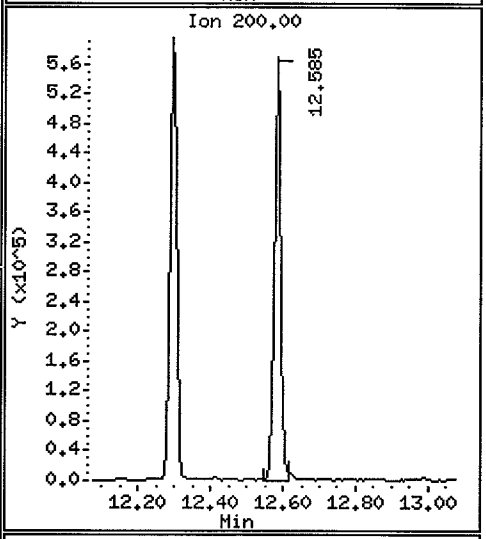
20 Pyrene

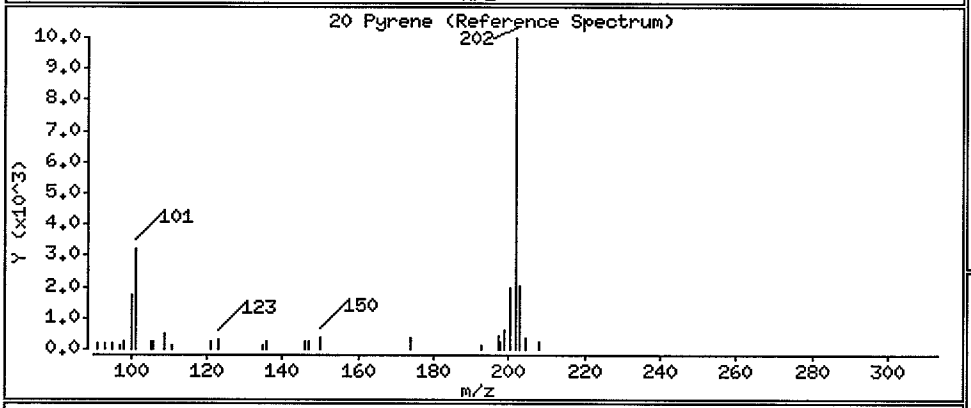
Concentration: 15660 ug/kg

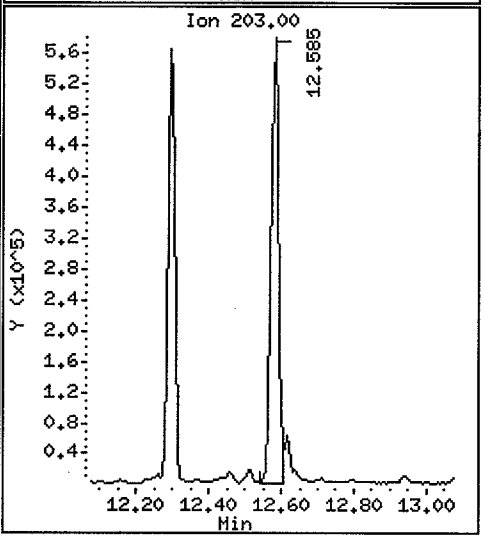


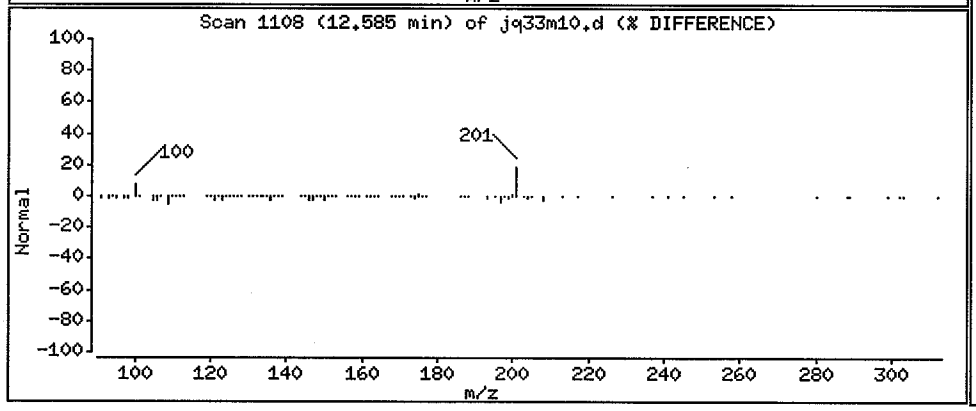












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

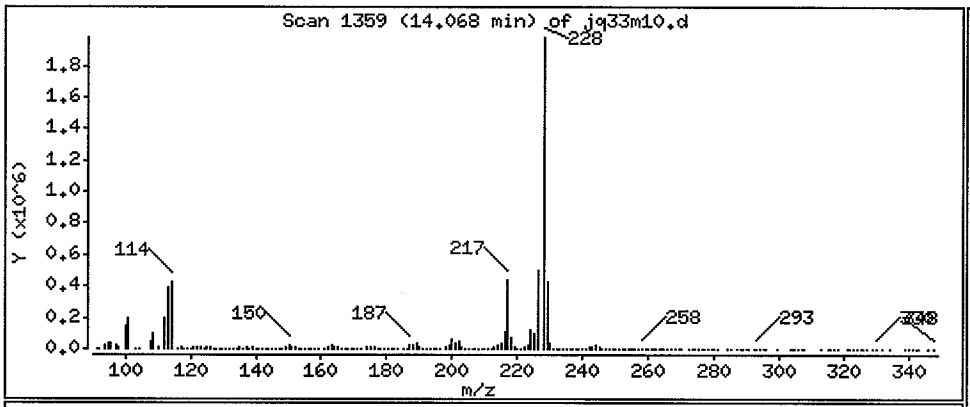
Operator: VTS

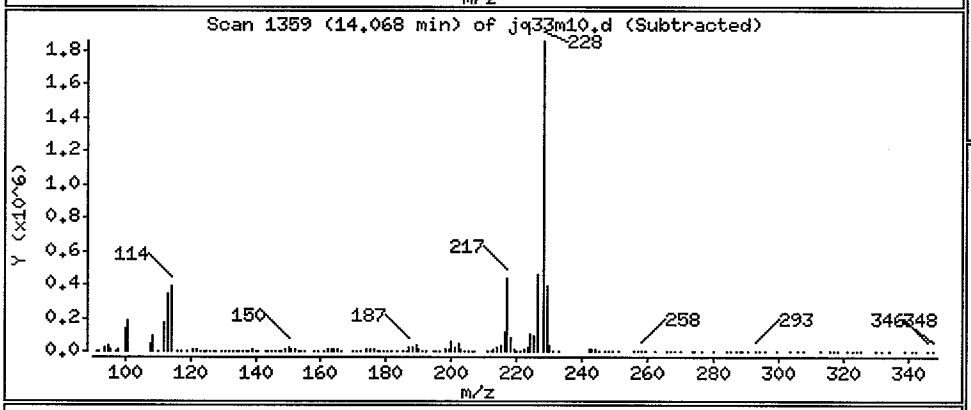
Column phase: ZB-5

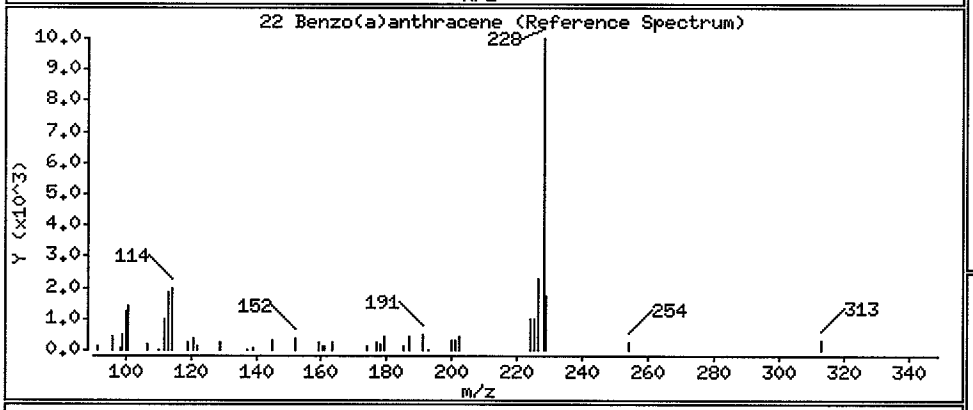
Column diameter: 0.25

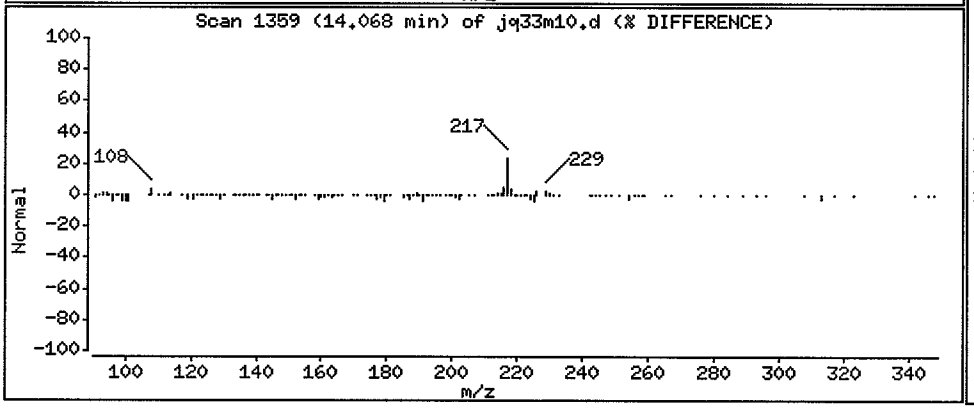
22 Benzo(a)anthracene

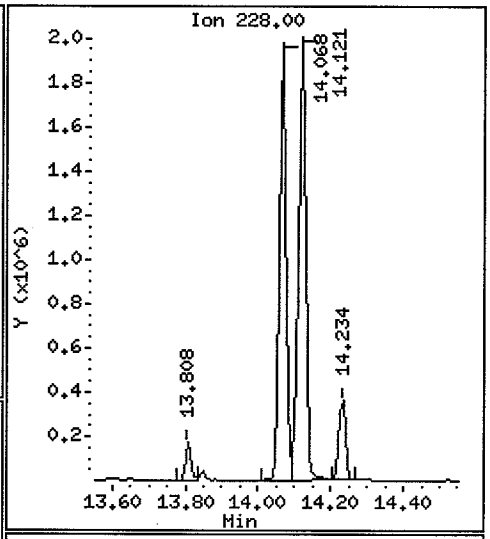
Concentration: 11500 ug/kg

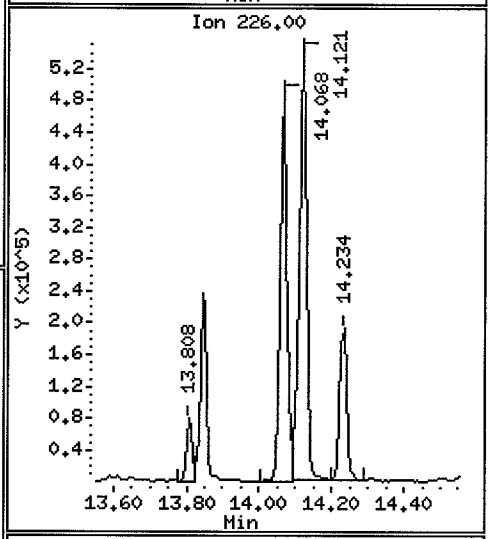


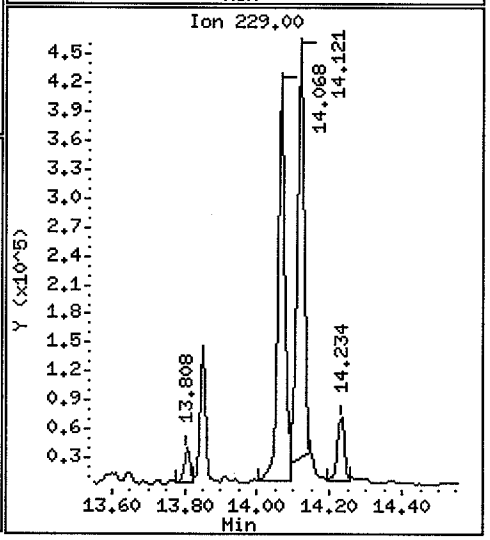












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

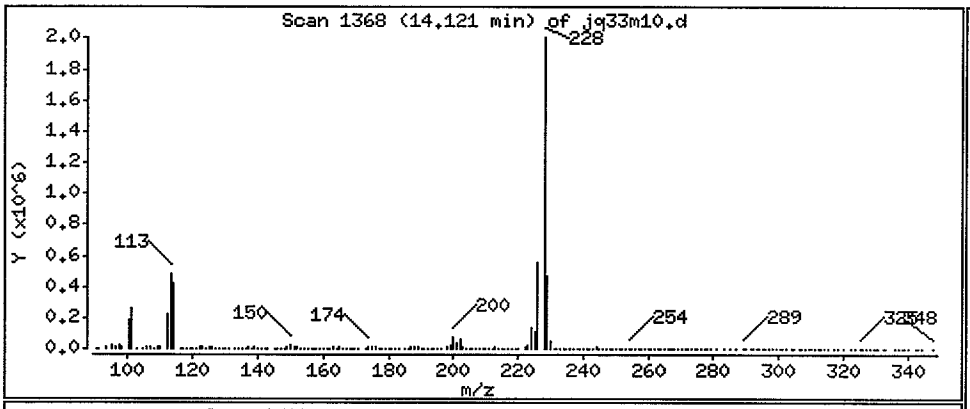
Operator: VTS

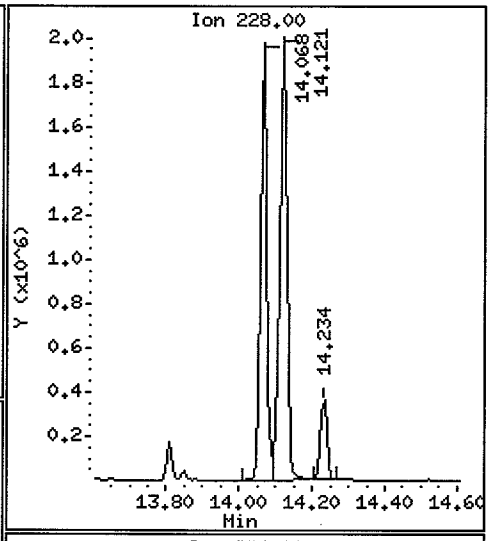
Column phase: ZB-5

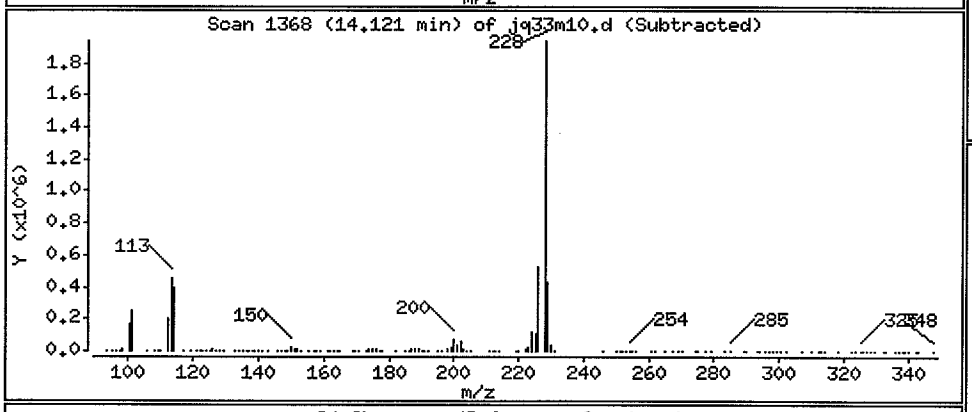
Column diameter: 0.25

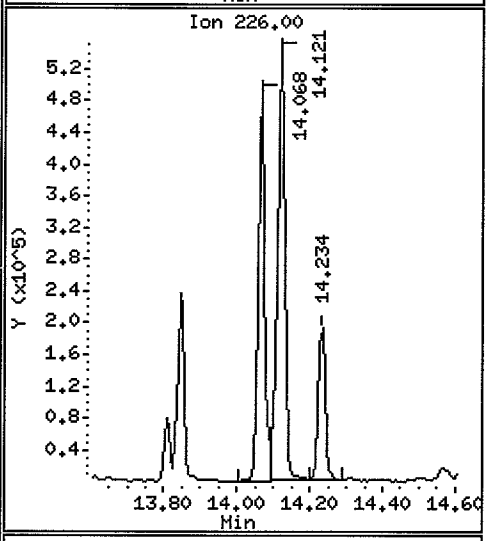
24 Chrysene

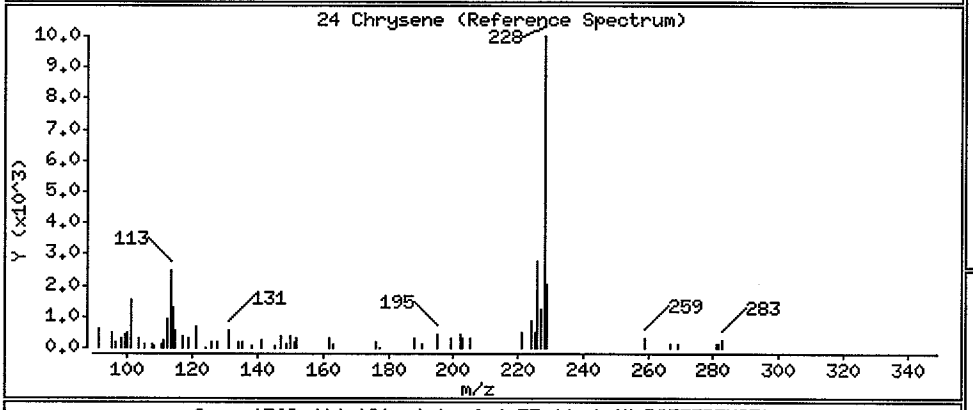
Concentration: 13810 ug/kg

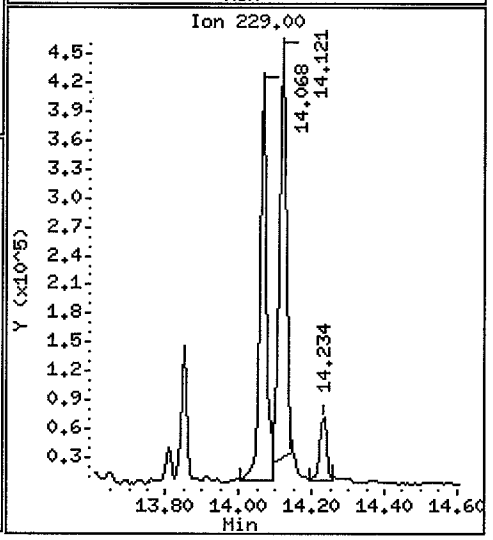


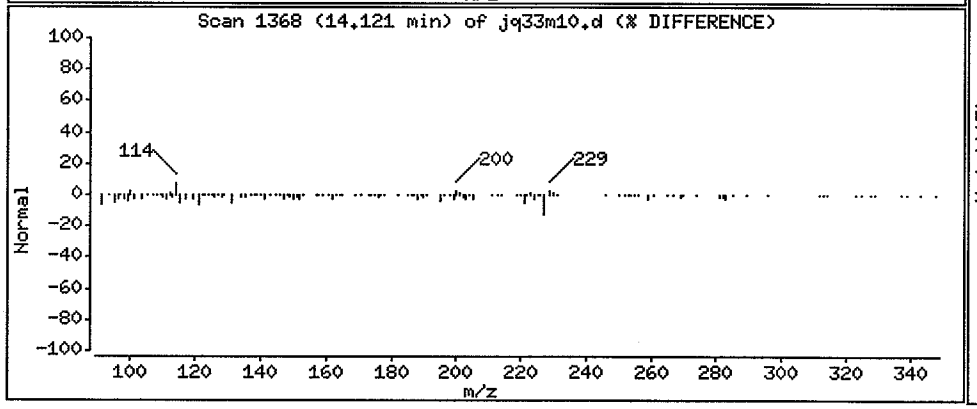












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

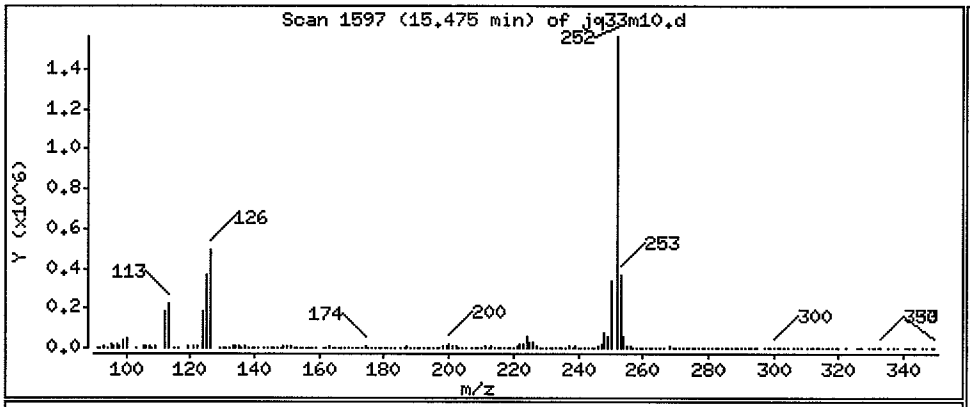
Operator: VTS

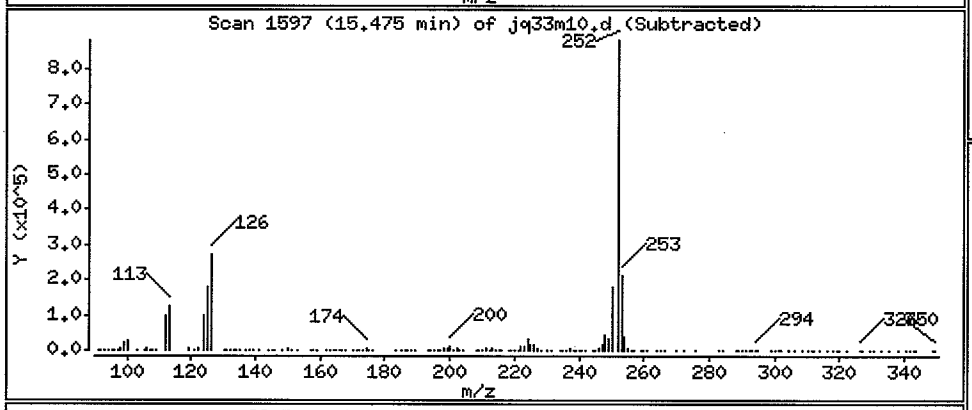
Column phase: ZB-5

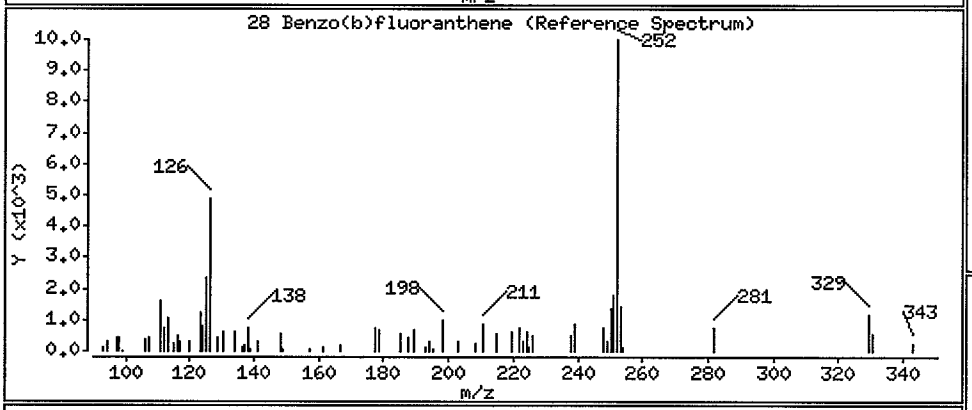
Column diameter: 0.25

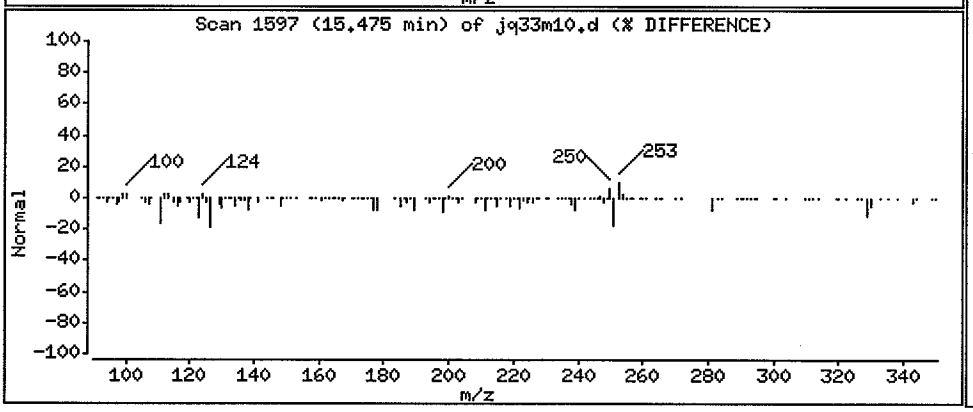
28 Benzo(b)fluoranthene

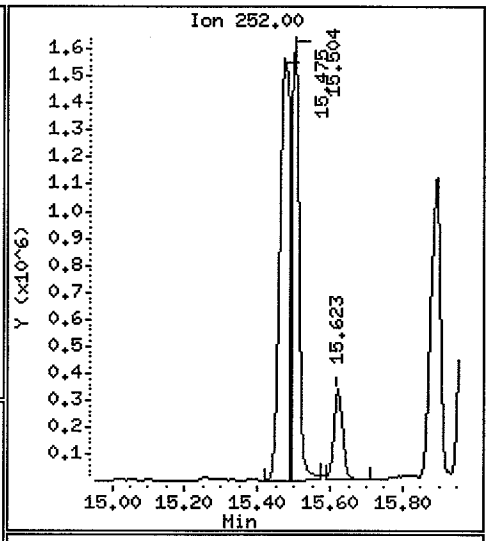
Concentration: 14490 ug/kg

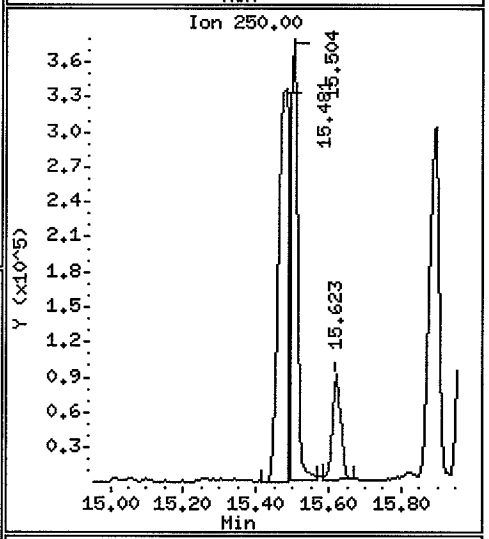


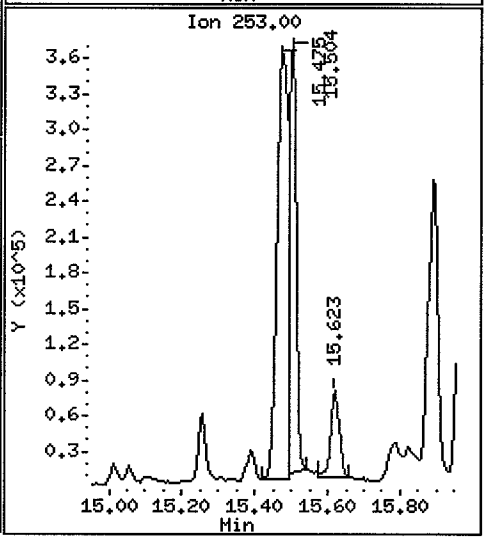












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

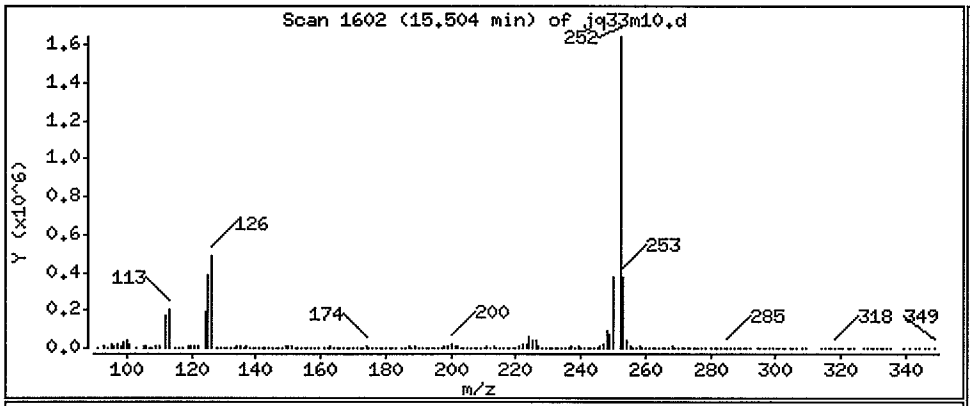
Operator: VTS

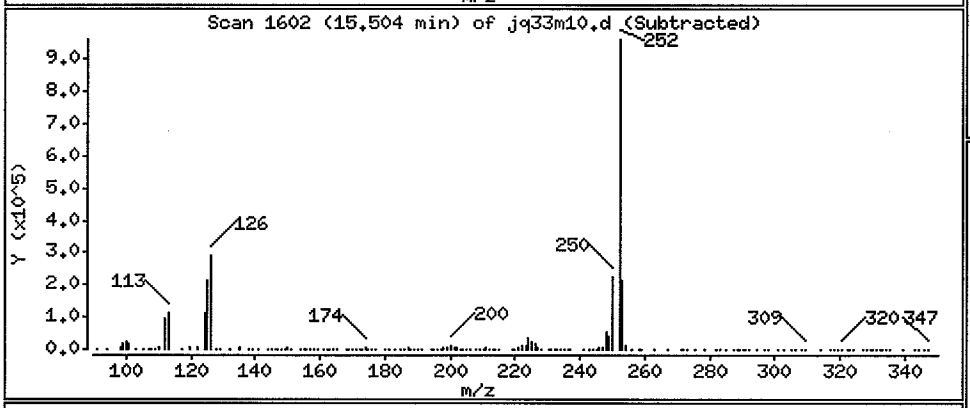
Column phase: ZB-5

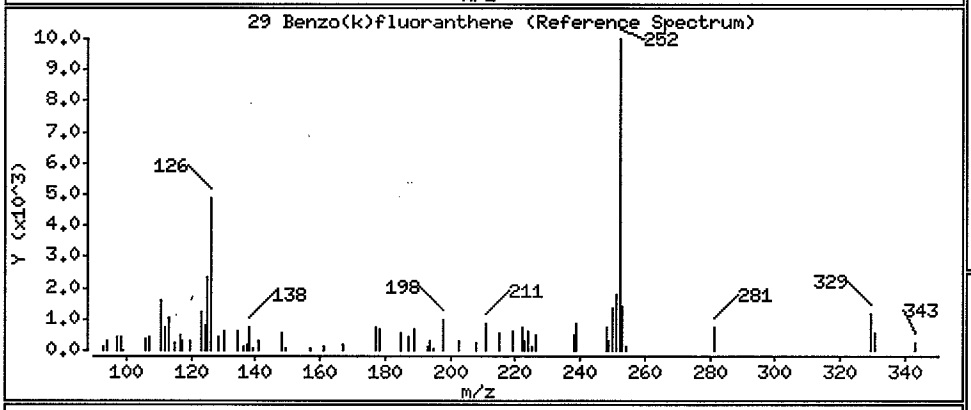
Column diameter: 0.25

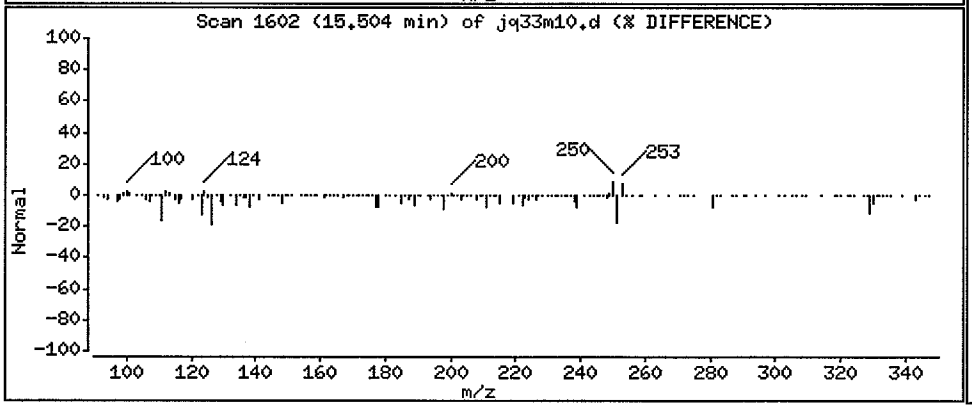
29 Benzo(k)fluoranthene

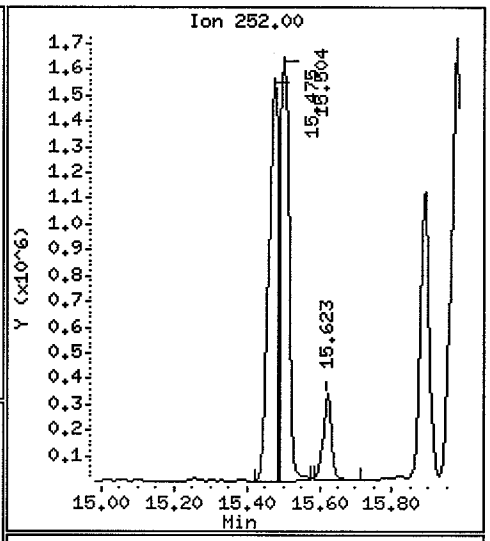
Concentration: 11990 ug/kg

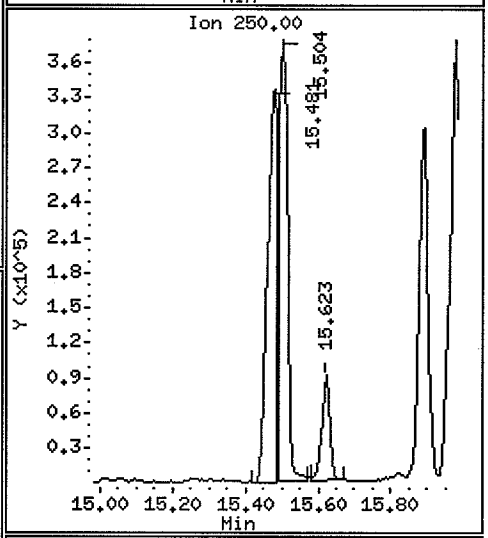


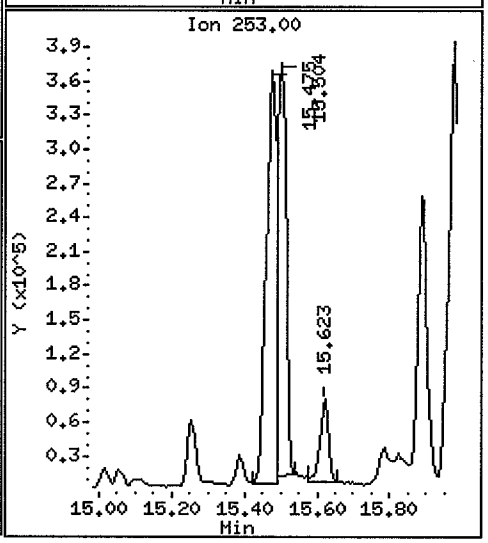












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

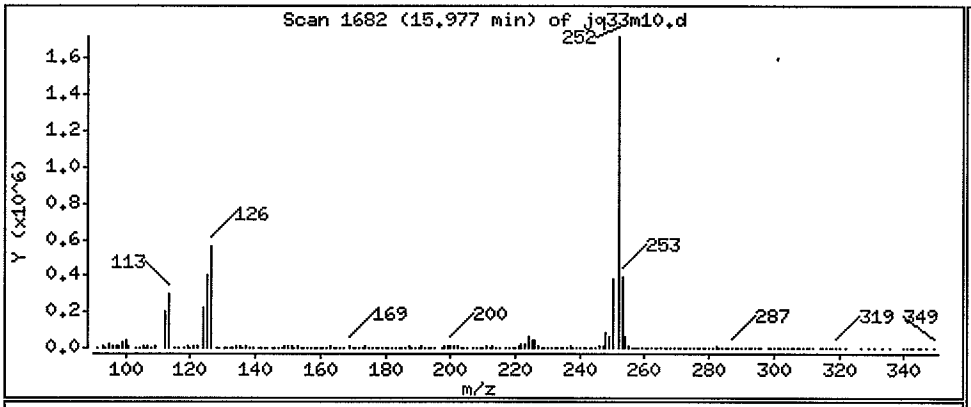
Operator: VTS

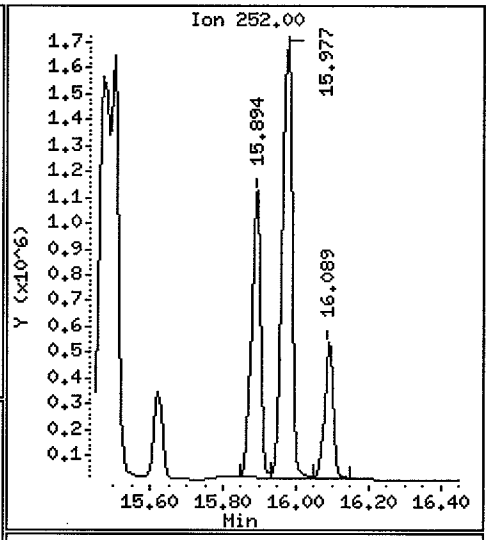
Column phase: ZB-5

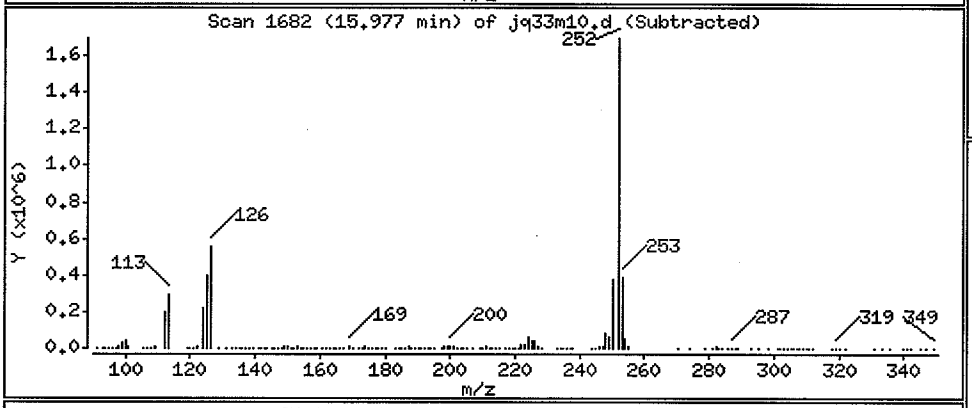
Column diameter: 0.25

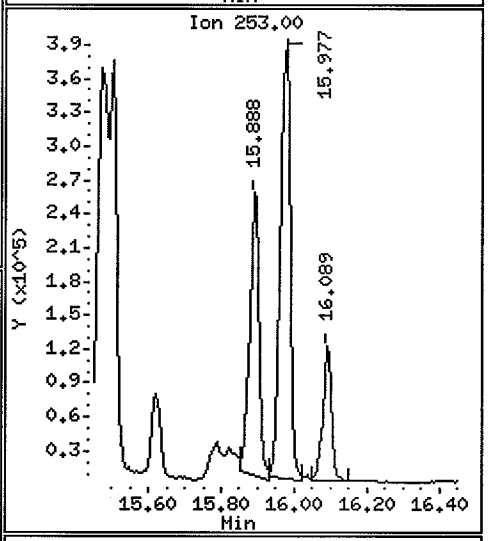
30 Benzo(a)pyrene

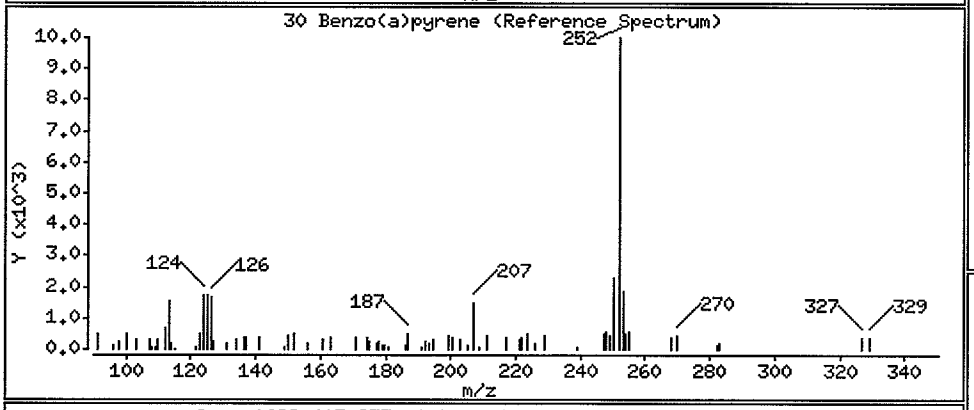
Concentration: 15840 ug/kg

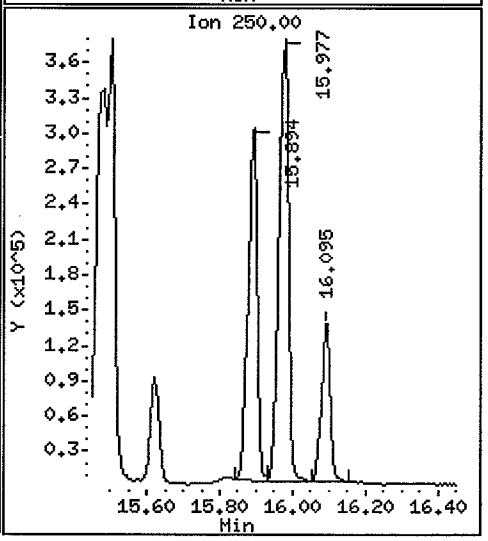


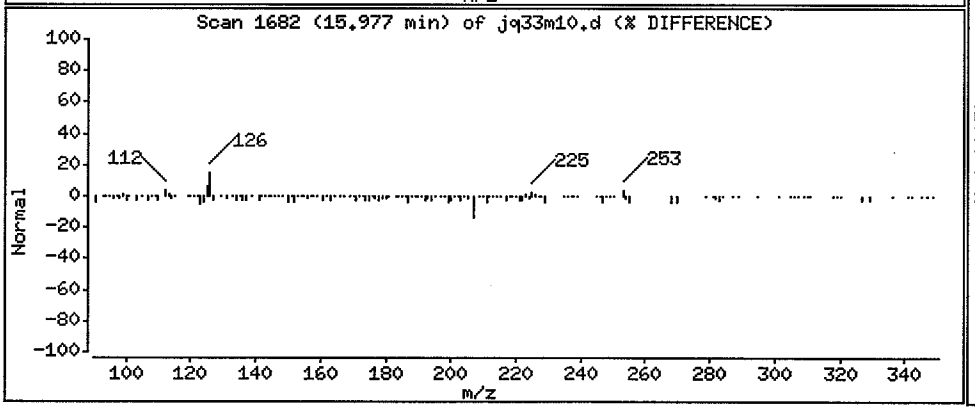












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

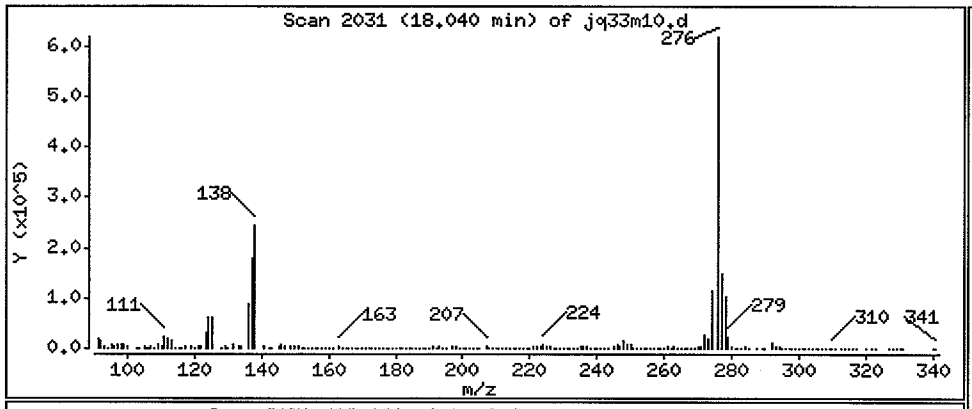
Operator: VTS

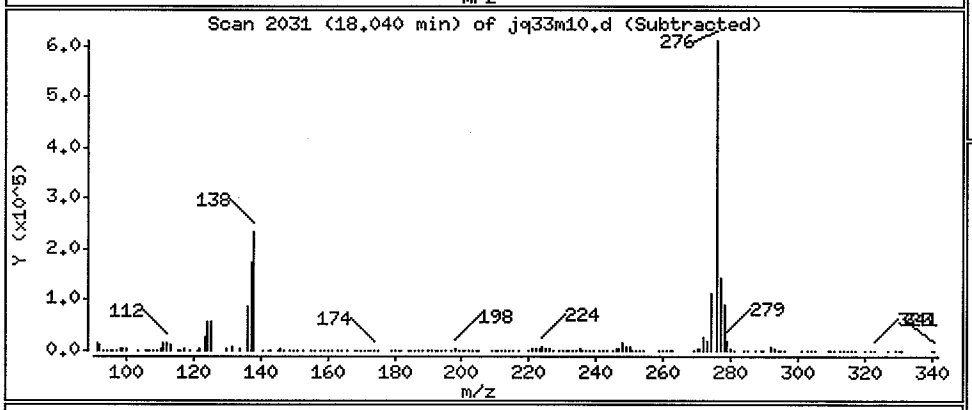
Column phase: ZB-5

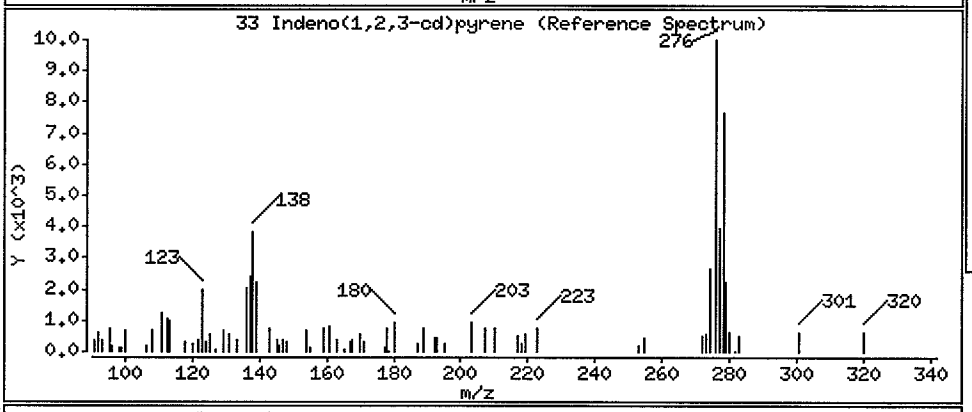
Column diameter: 0.25

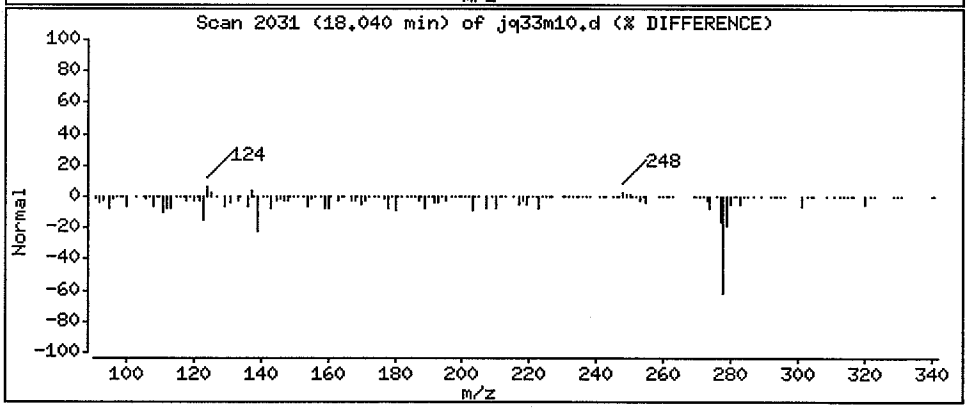
33 Indeno(1,2,3-cd)pyrene

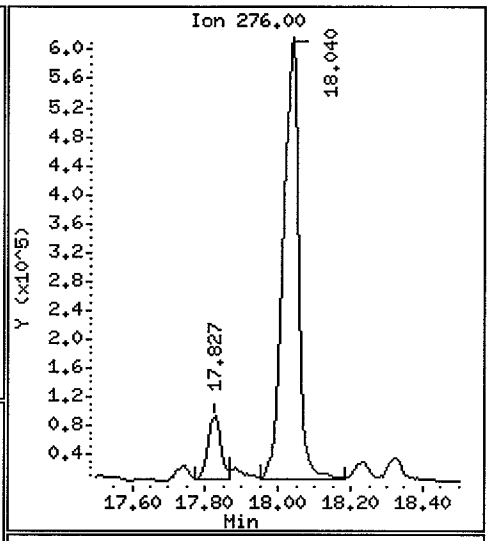
Concentration: 8203 ug/kg

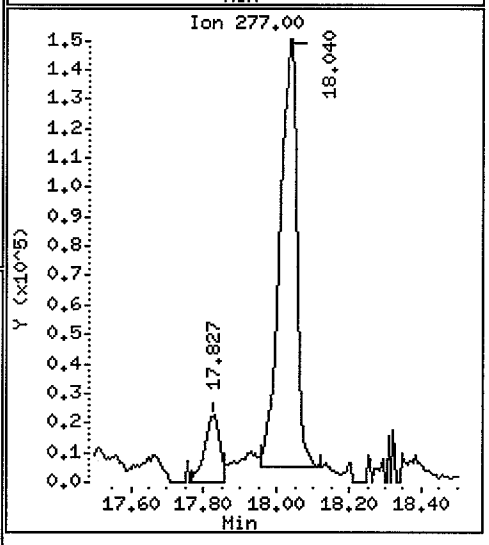












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

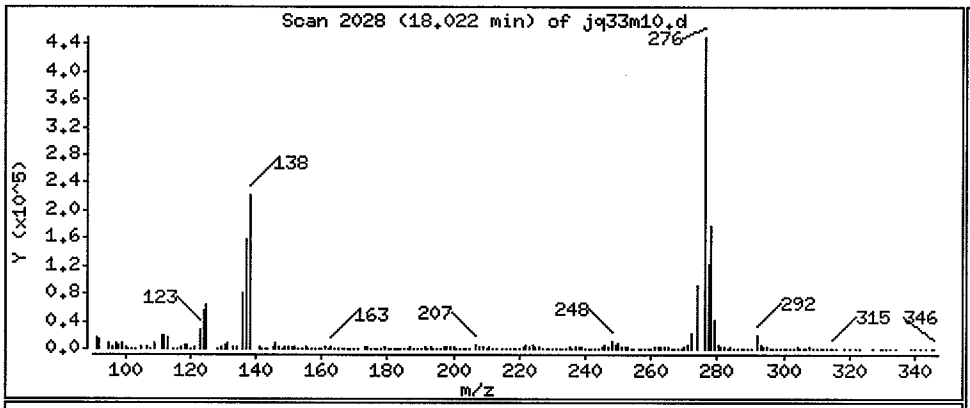
Operator: VTS

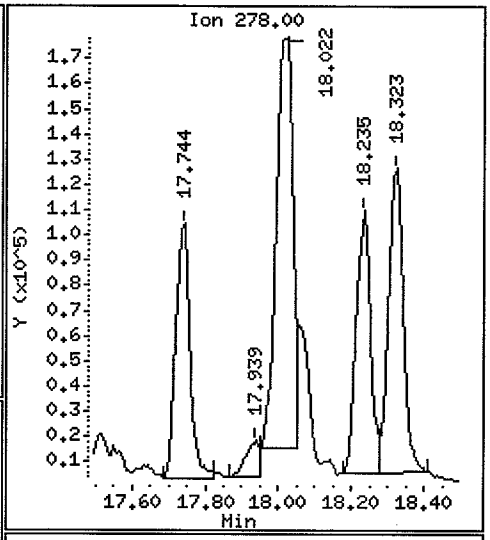
Column phase: ZB-5

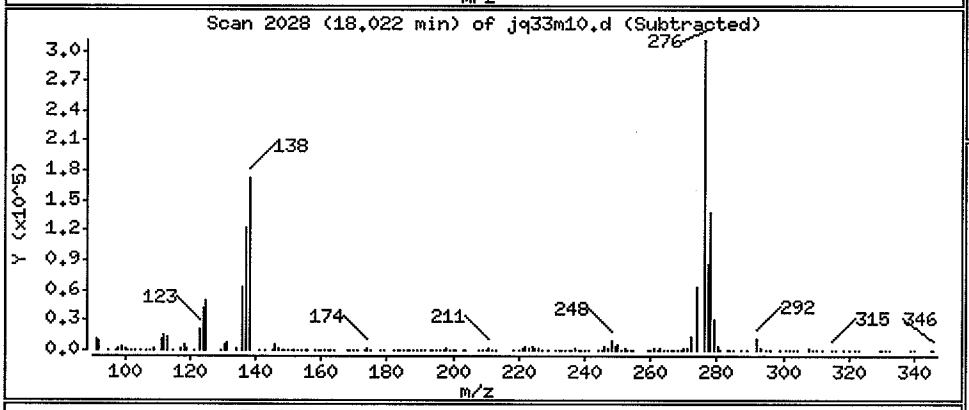
Column diameter: 0.25

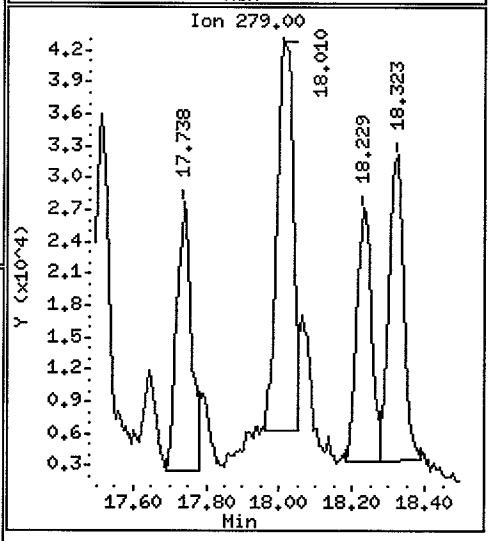
34 Dibenz(a,h)anthracene

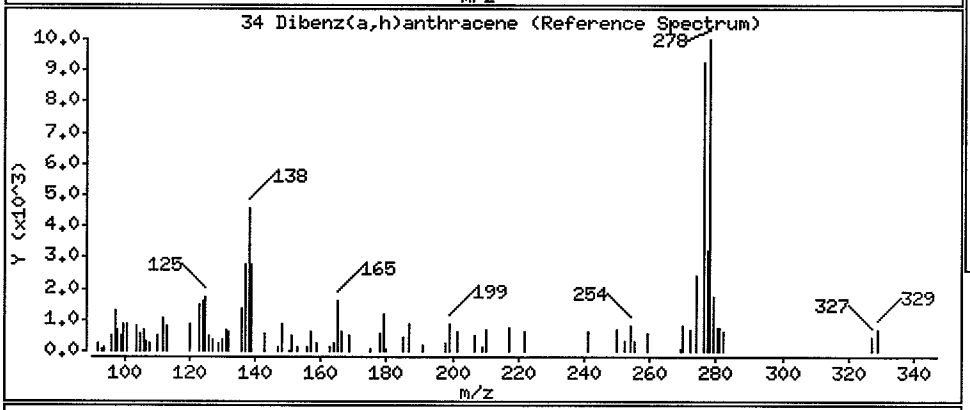
Concentration: 2832 ug/kg

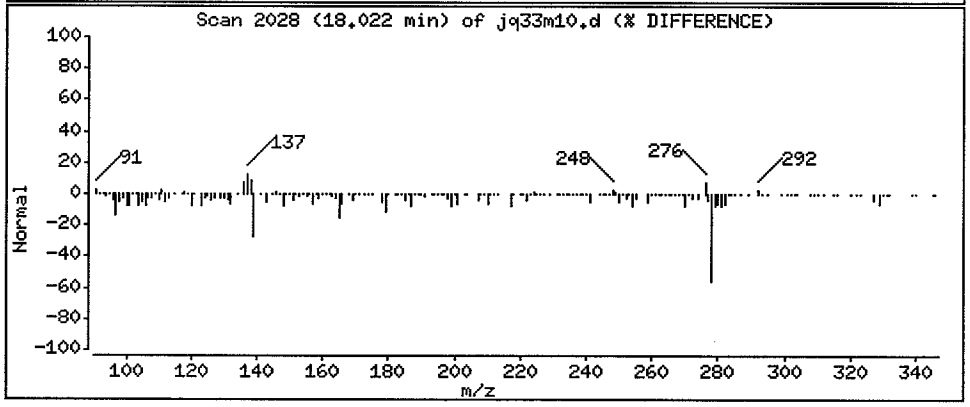












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

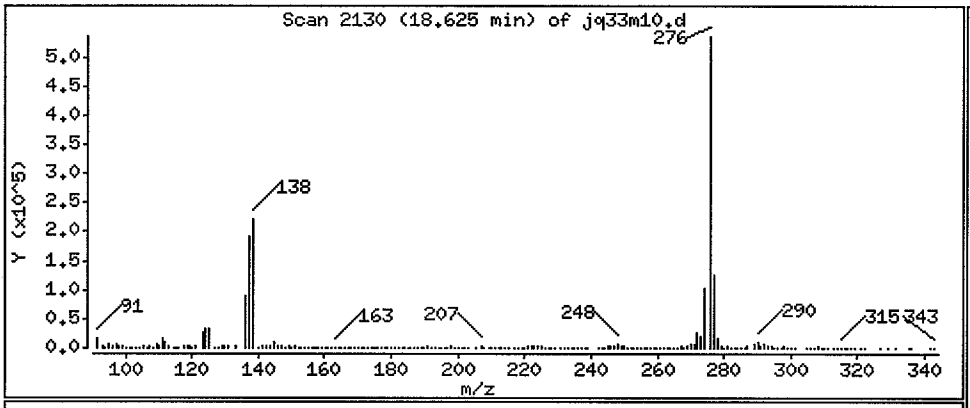
Operator: VTS

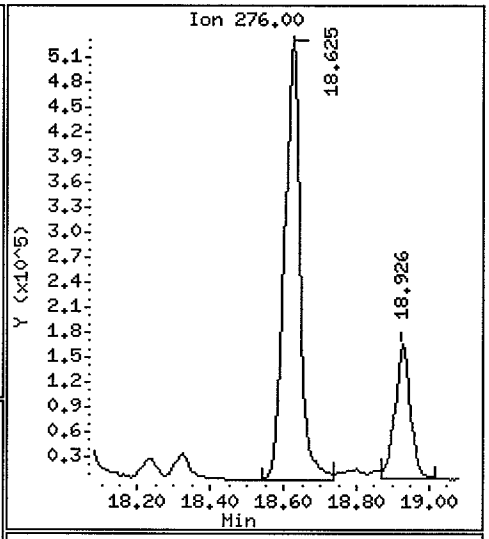
Column phase: ZB-5

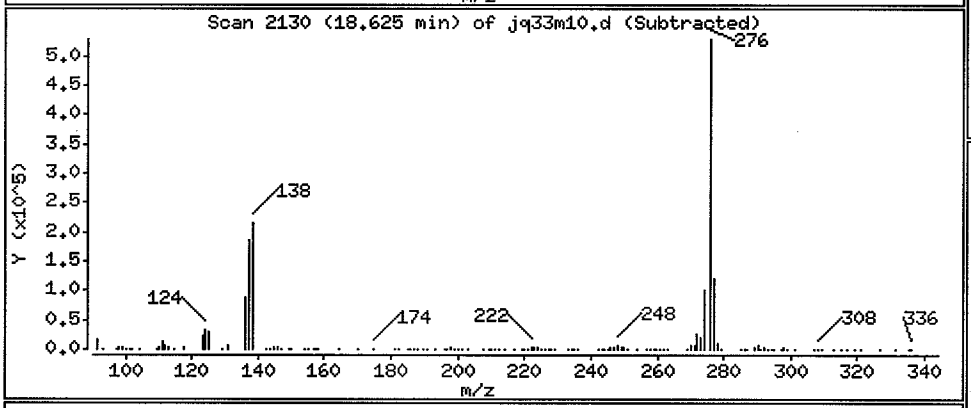
Column diameter: 0.25

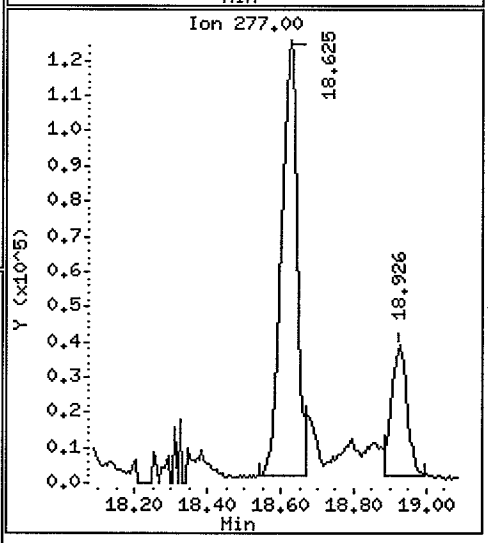
35 Benzo(g,h,i)perylene

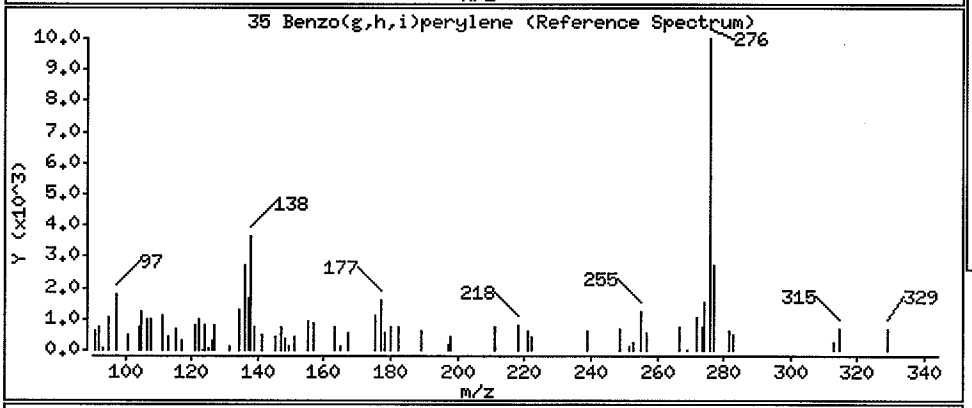
Concentration: 8670 ug/kg

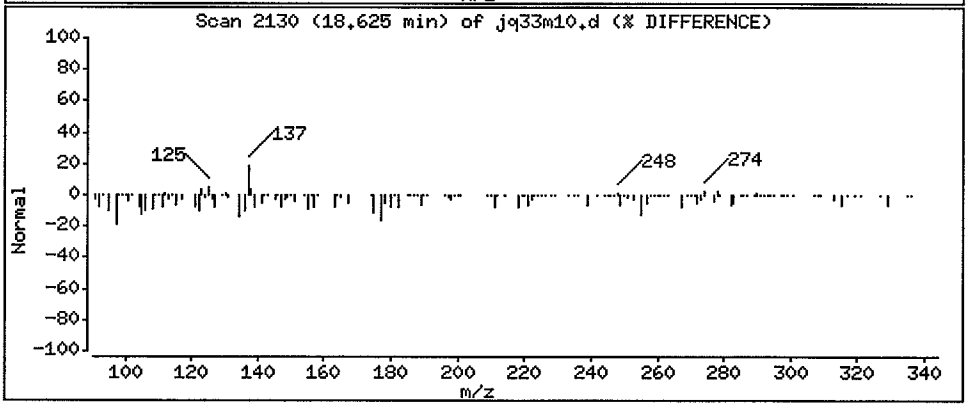












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

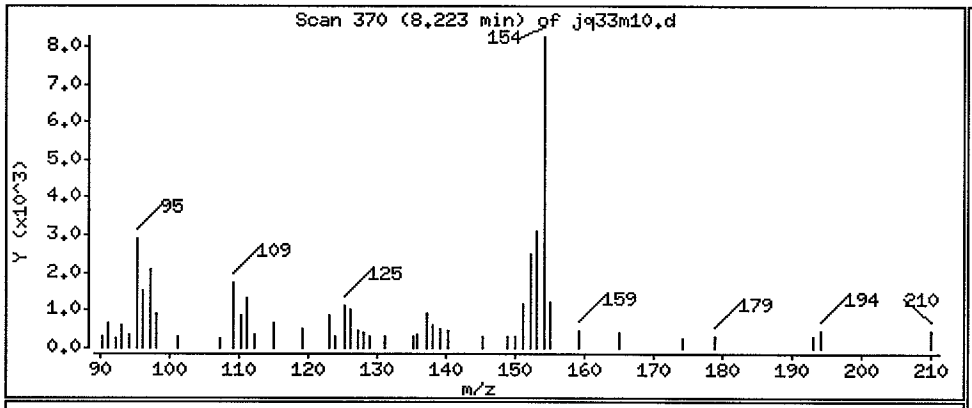
Operator: VTS

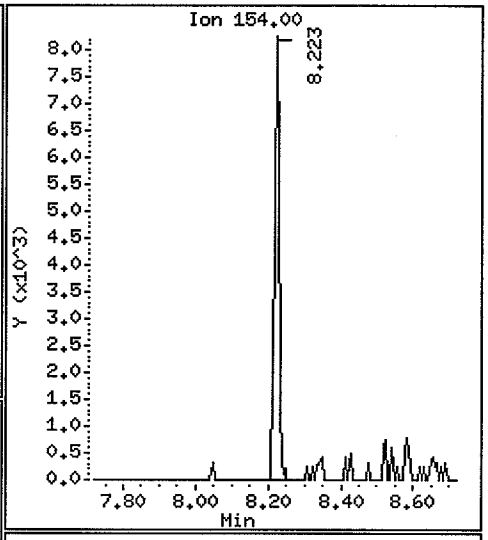
Column phase: ZB-5

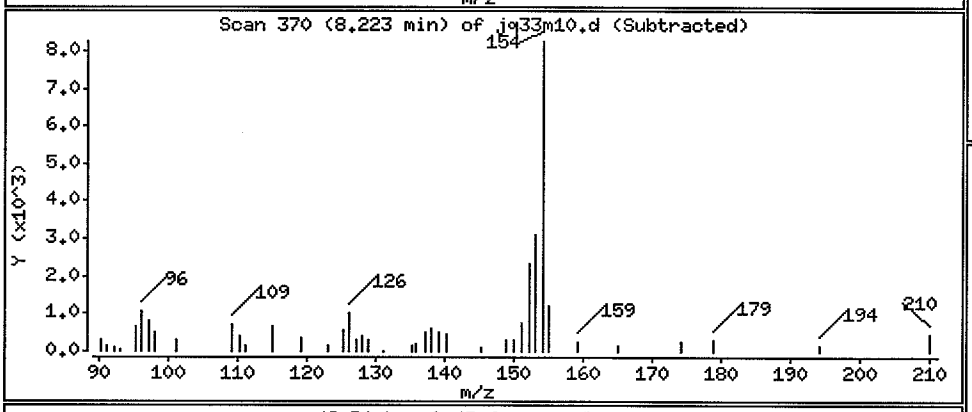
Column diameter: 0.25

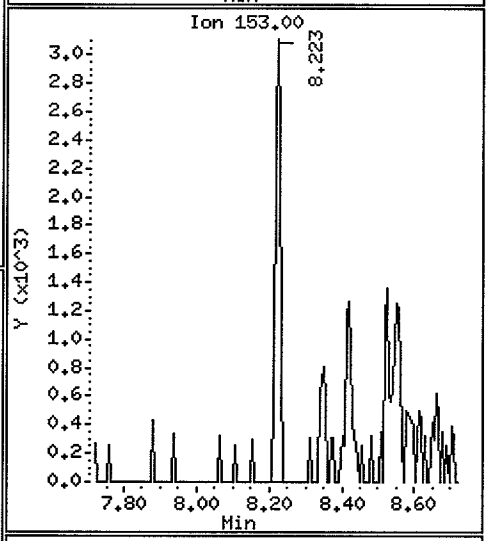
48 Biphenyl

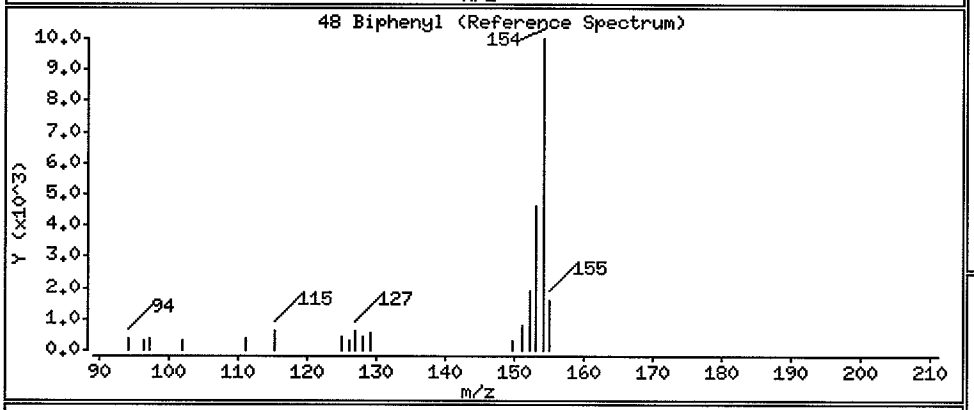
Concentration: 58.11 ug/kg

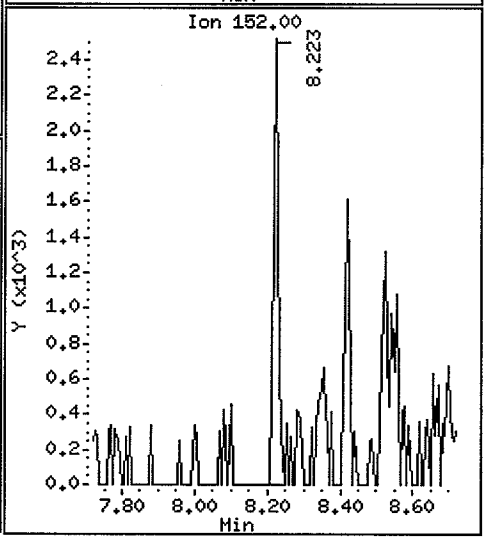


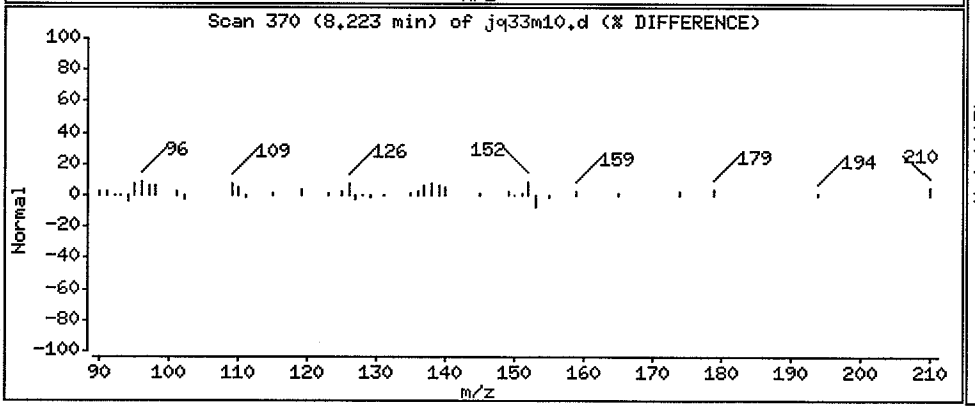












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

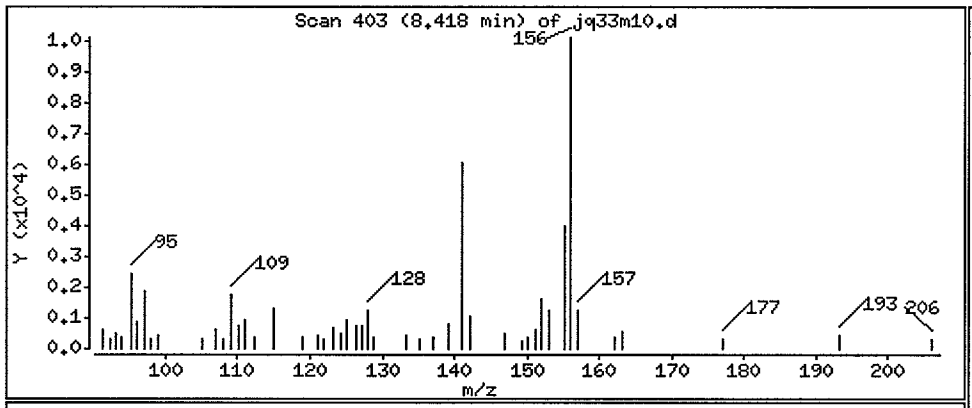
Operator: VTS

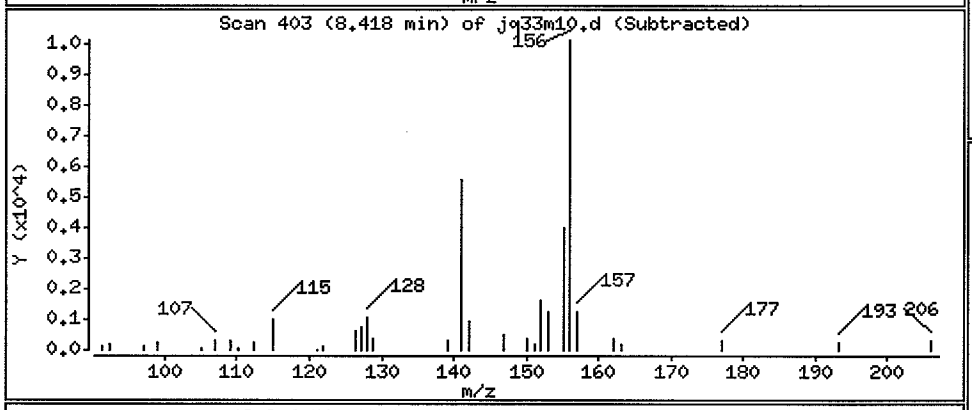
Column phase: ZB-5

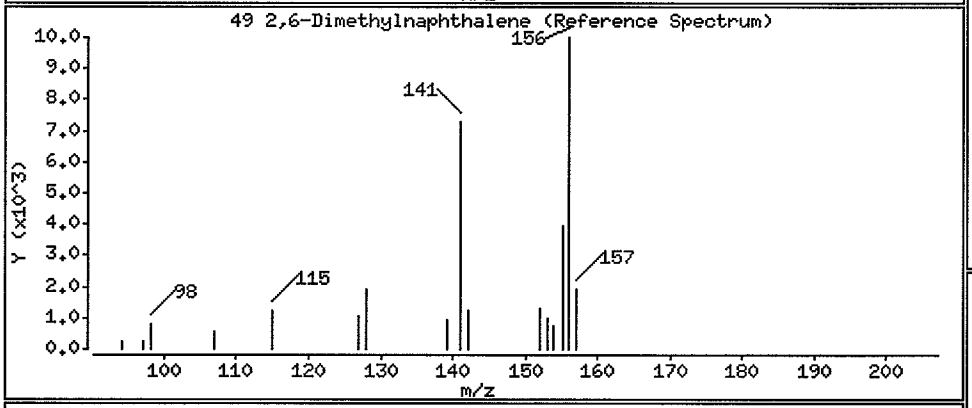
Column diameter: 0.25

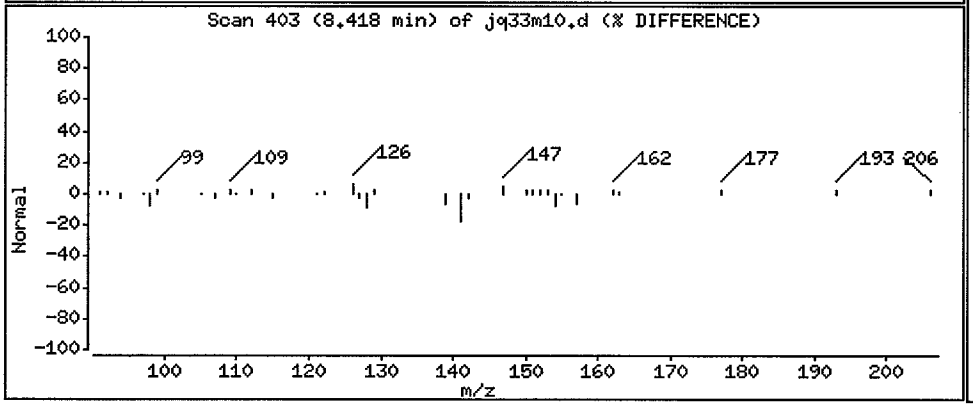
49 2,6-Dimethylnaphthalene

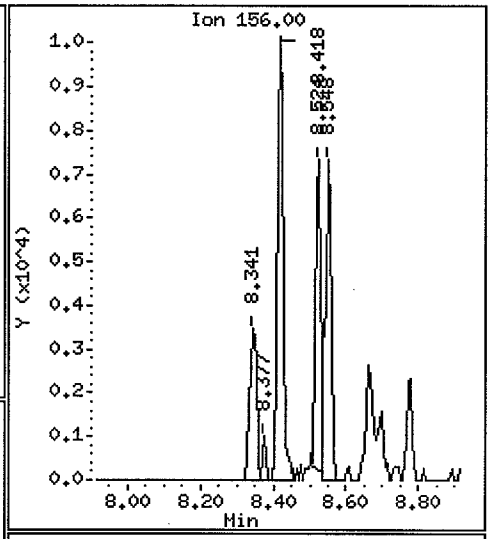
Concentration: 113.5 ug/kg

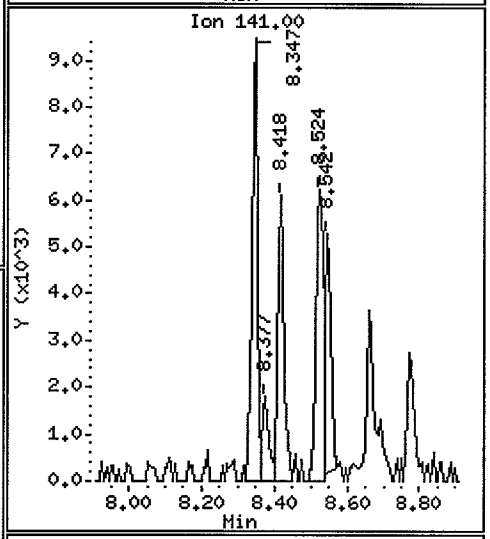


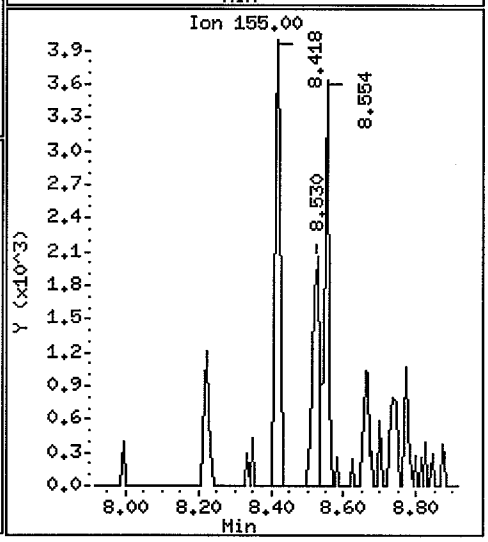












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

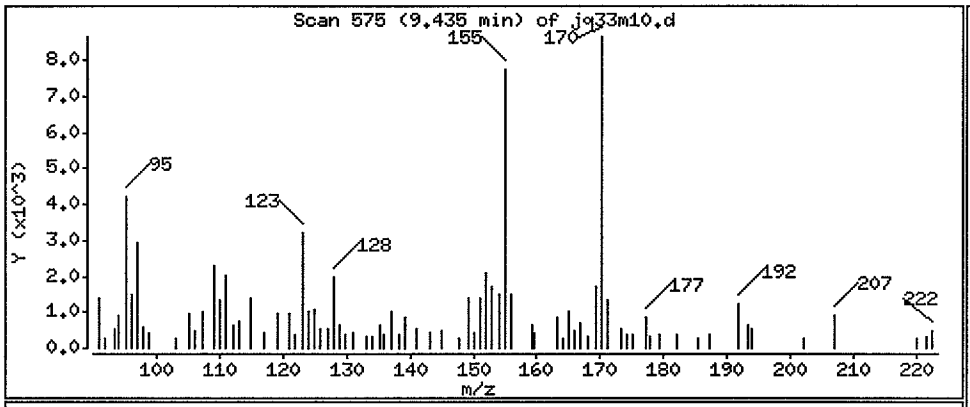
Operator: VTS

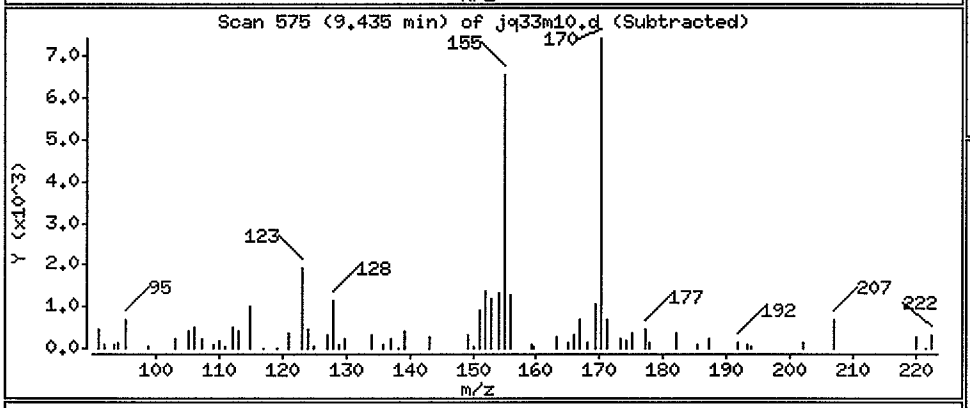
Column phase: ZB-5

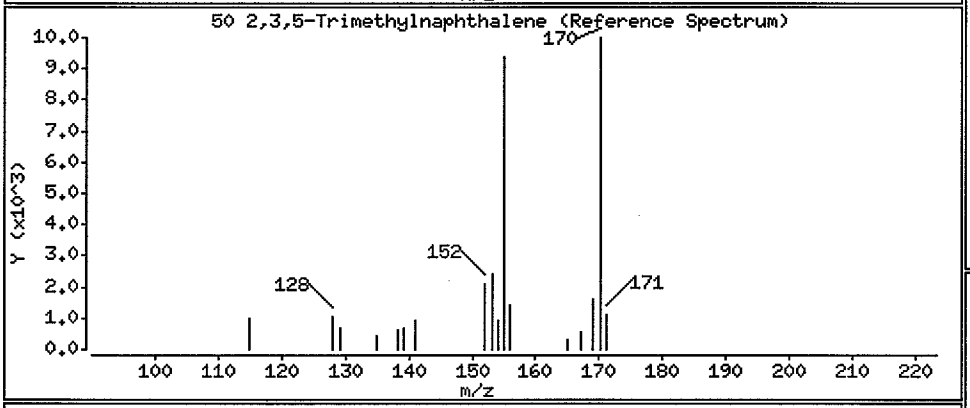
Column diameter: 0.25

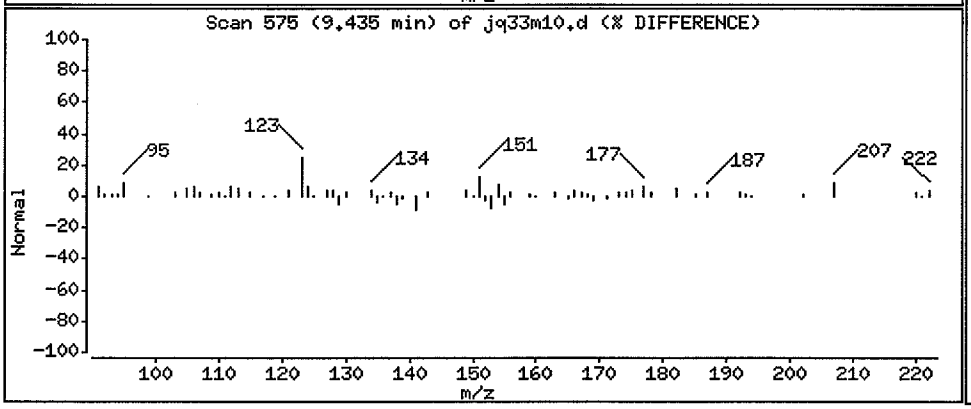
50 2,3,5-Trimethylnaphthalene

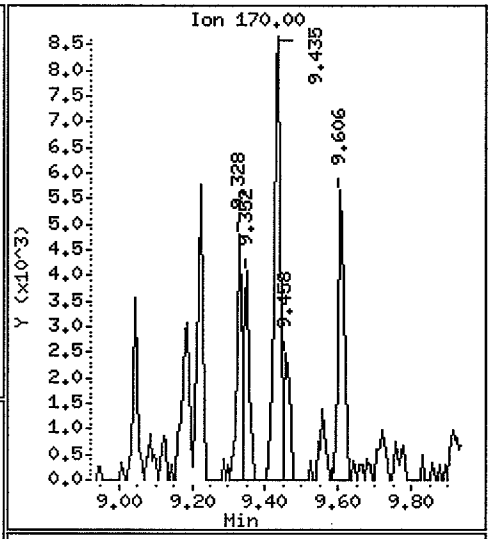
Concentration: 127.2 ug/kg

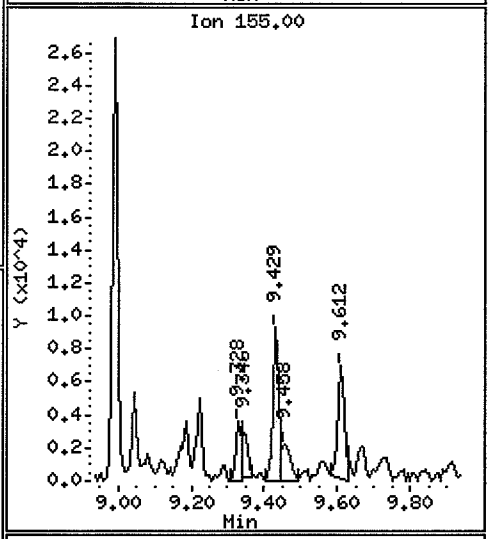


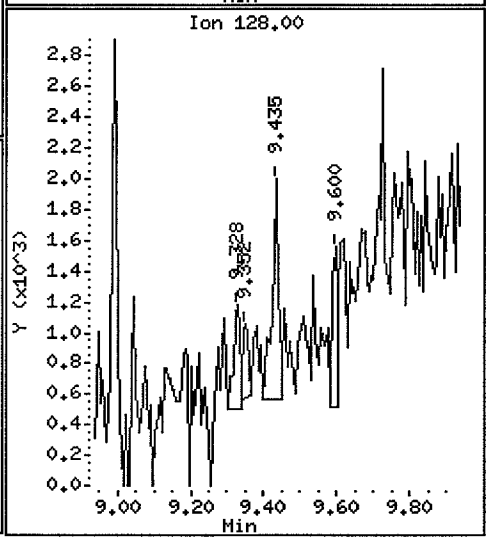












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

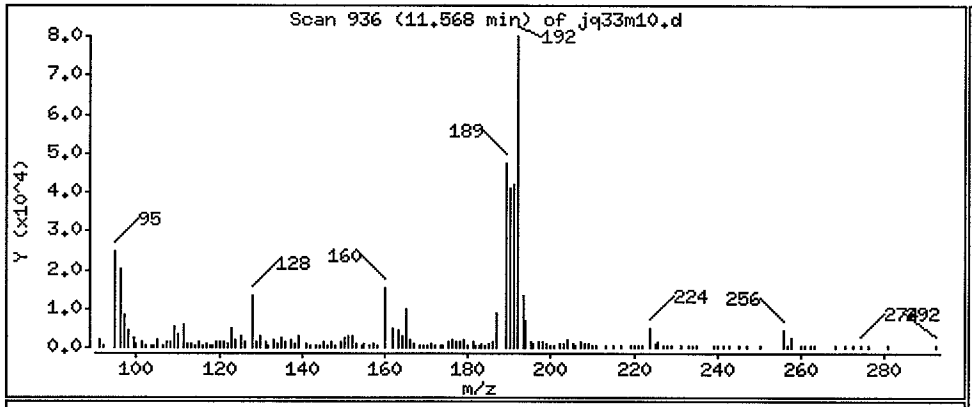
Operator: VTS

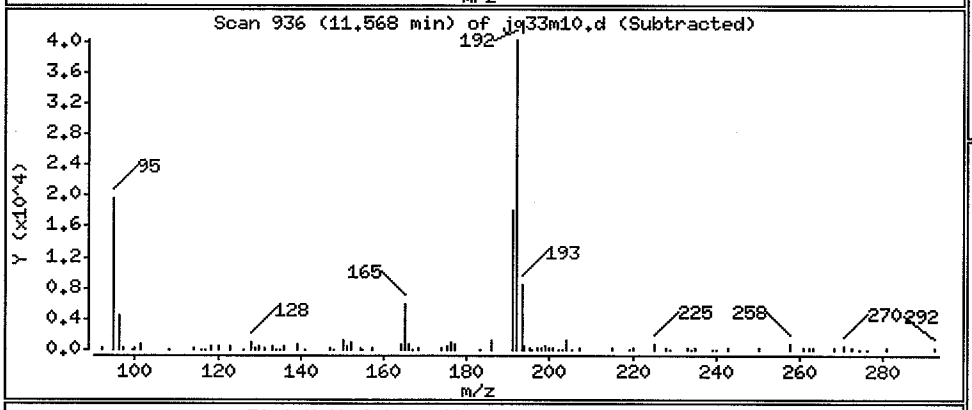
Column phase: ZB-5

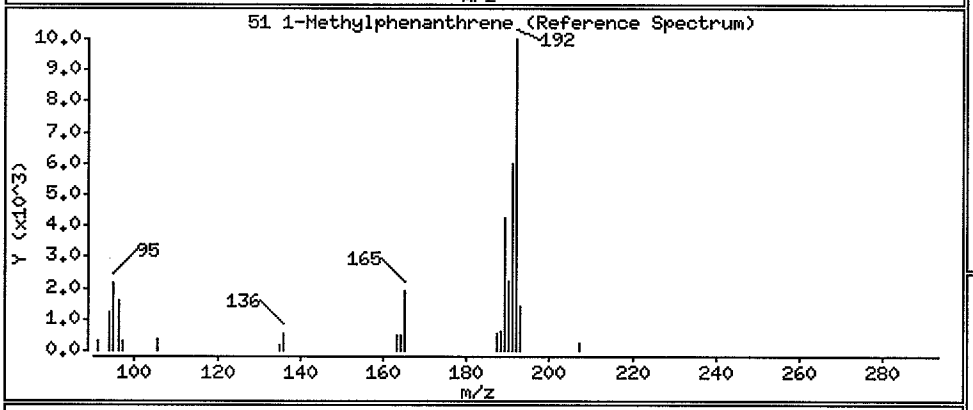
Column diameter: 0.25

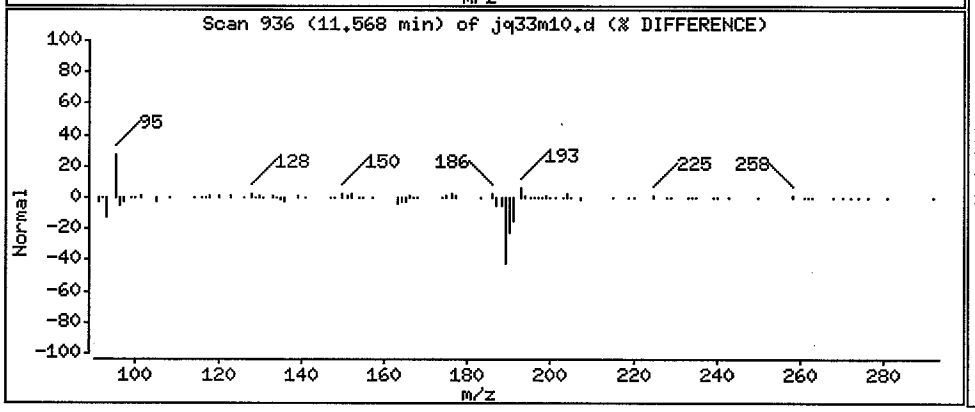
51 1-Methylphenanthrene

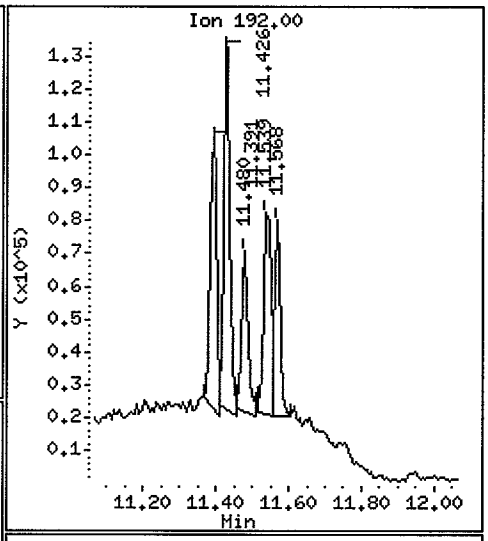
Concentration: 487.3 ug/kg

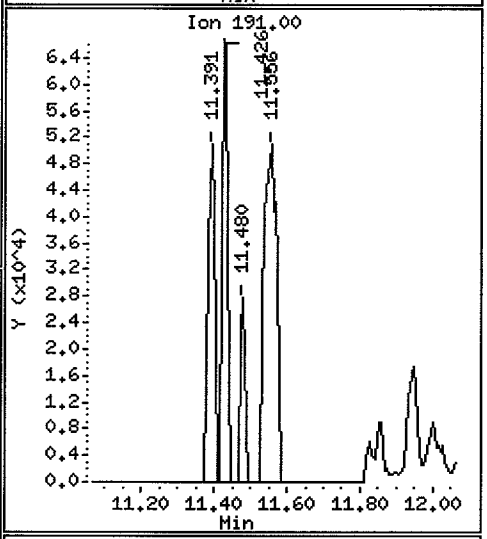


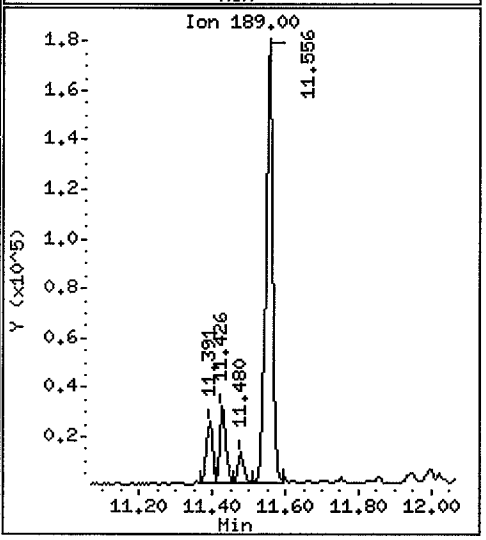












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

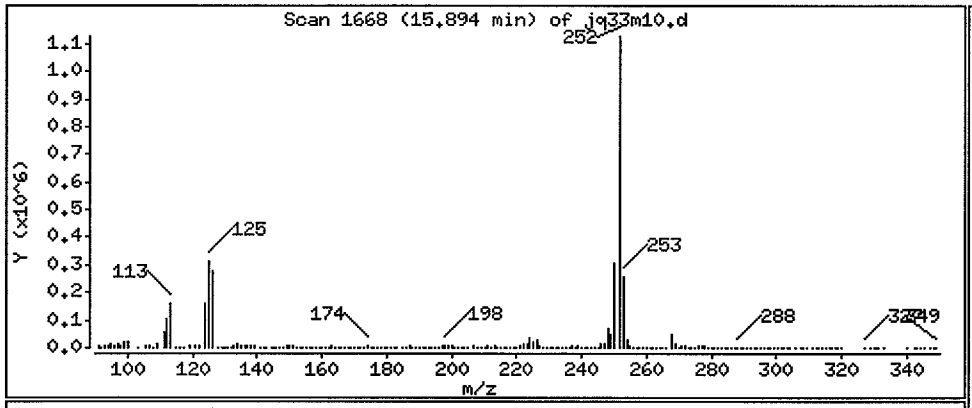
Operator: VTS

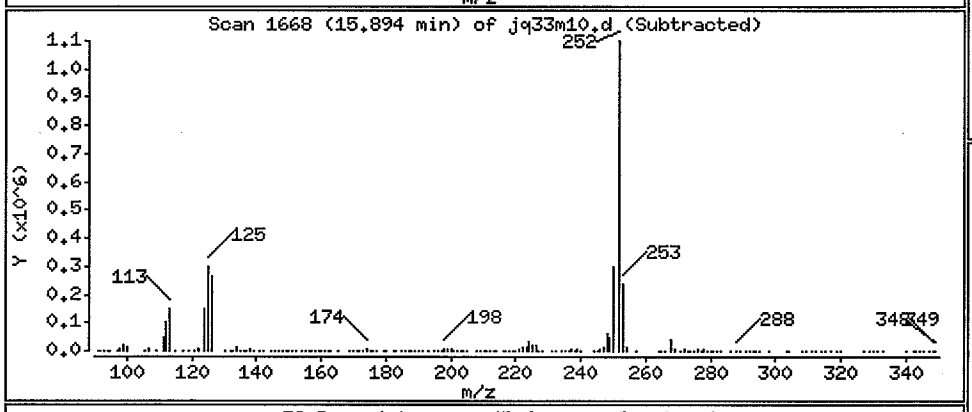
Column phase: ZB-5

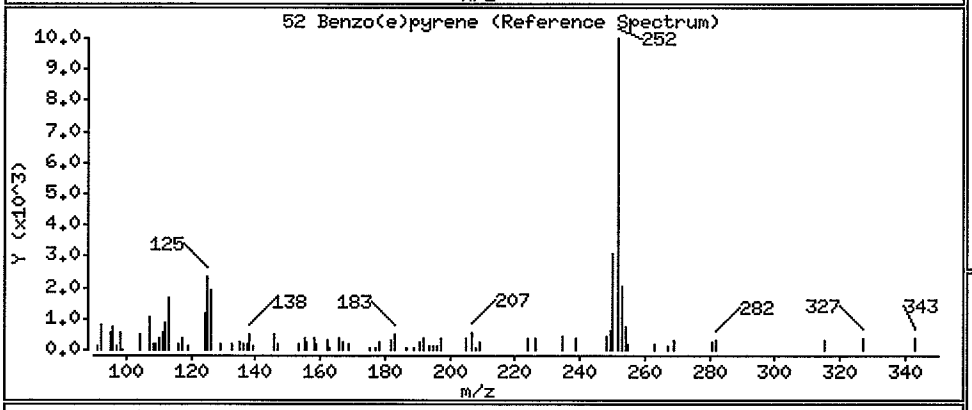
Column diameter: 0.25

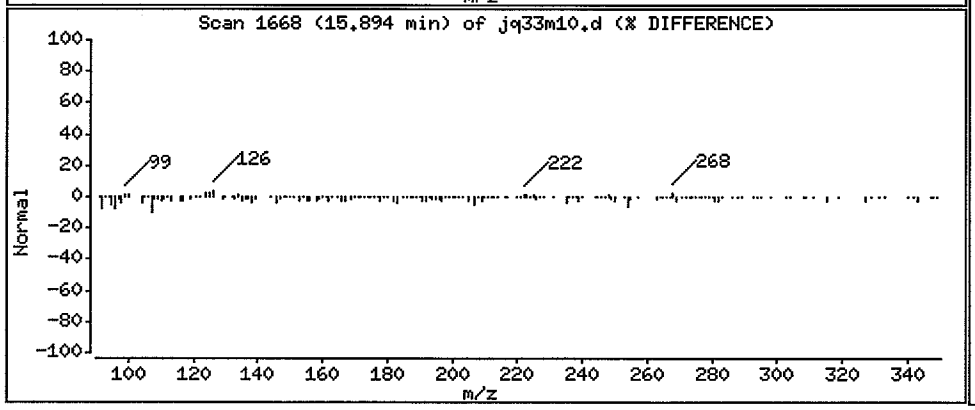
52 Benzo(e)pyrene

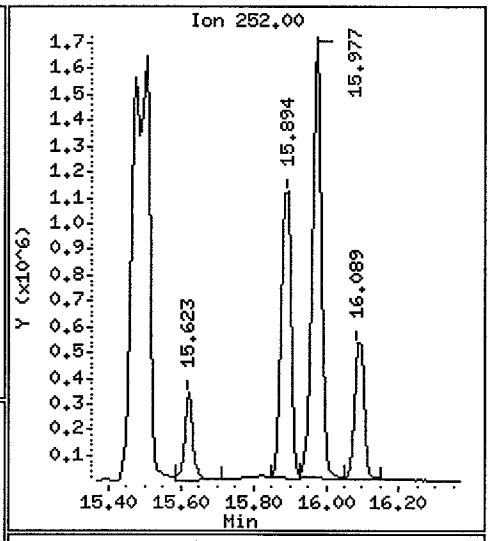
Concentration: 9431 ug/kg

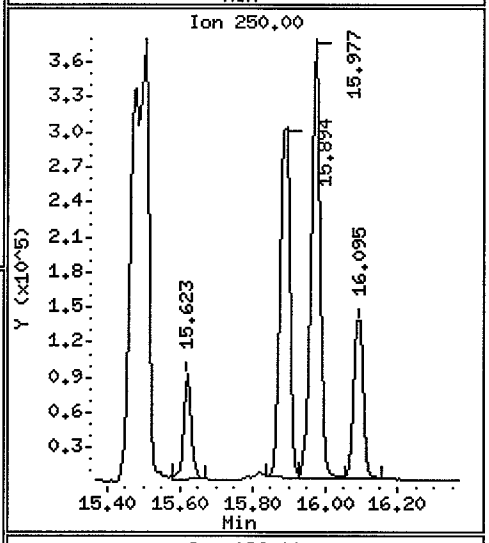


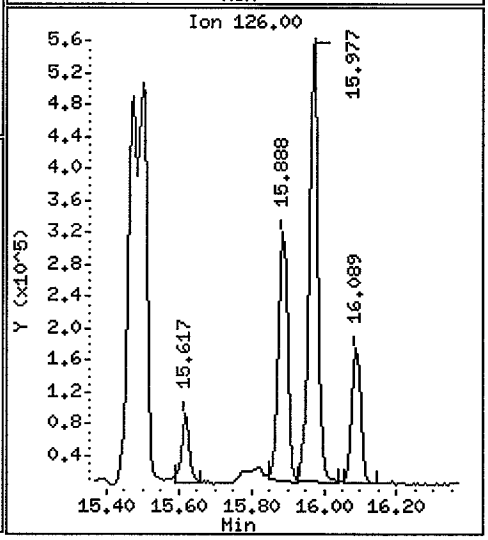












Data File: /chem3/nt1.i/20060807.b/jq33m10.d

Date : 07-AUG-2006 16:38

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,10

Volume Injected (uL): 1.0

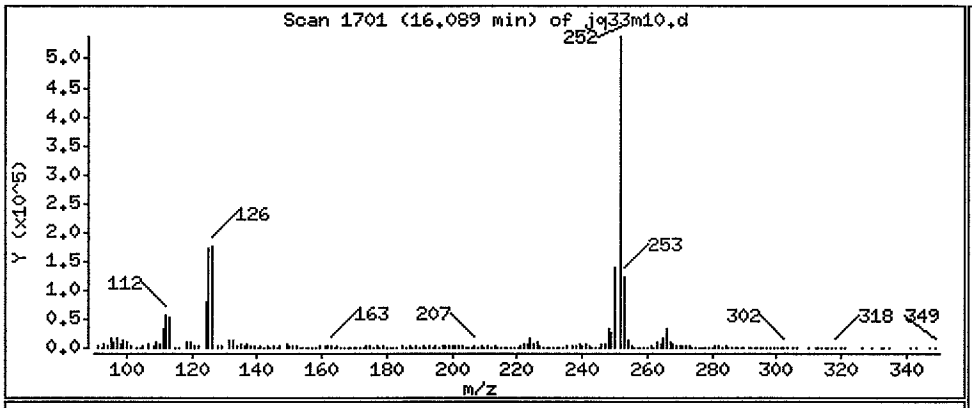
Operator: VTS

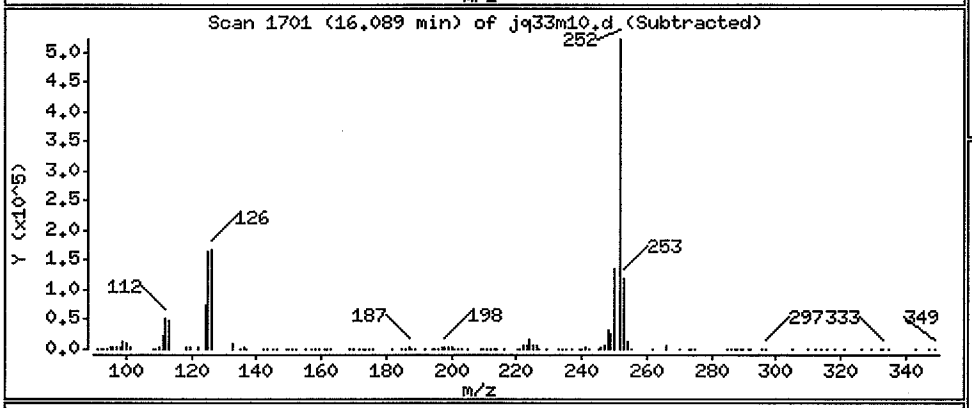
Column phase: ZB-5

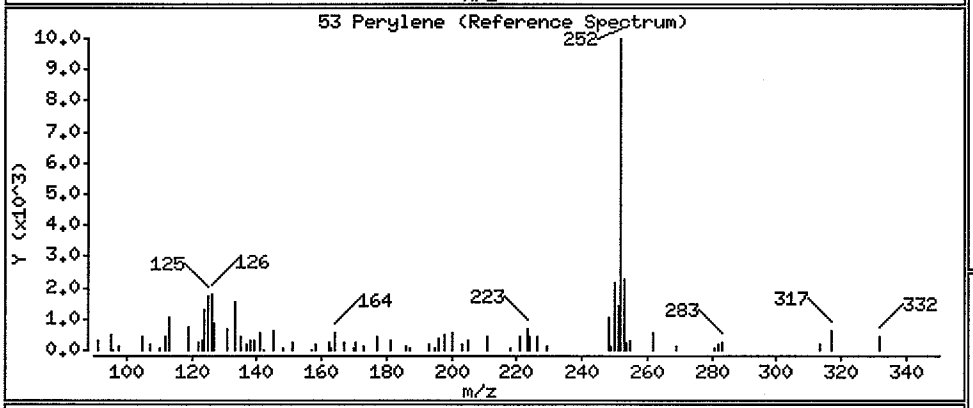
Column diameter: 0.25

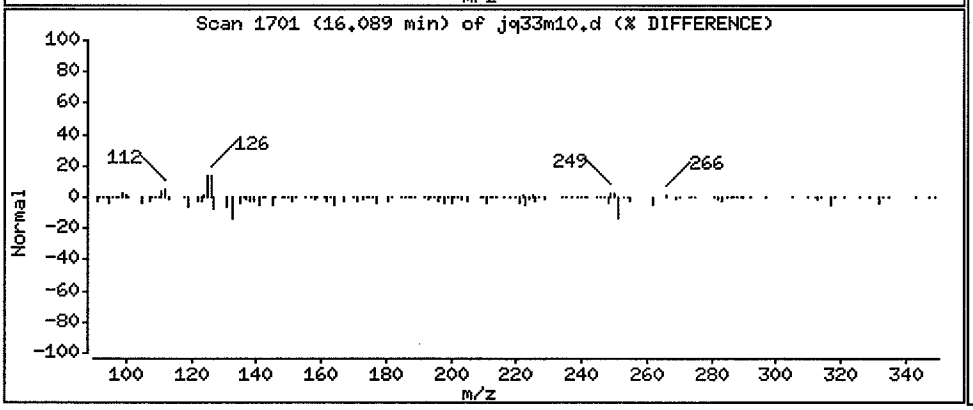
53 Perylene

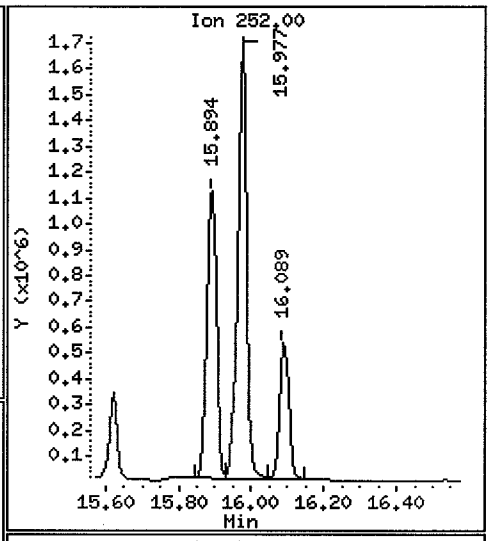
Concentration: 4542 ug/kg

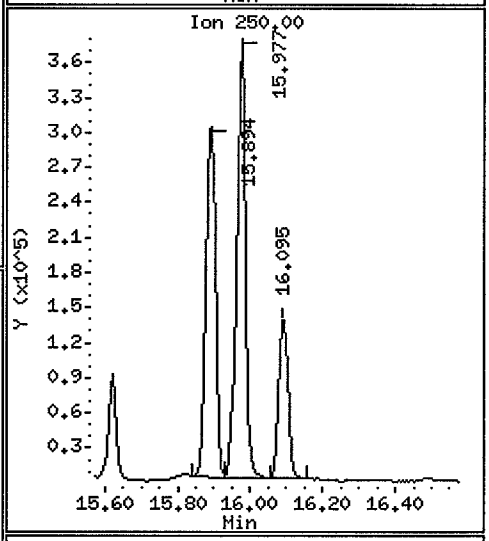


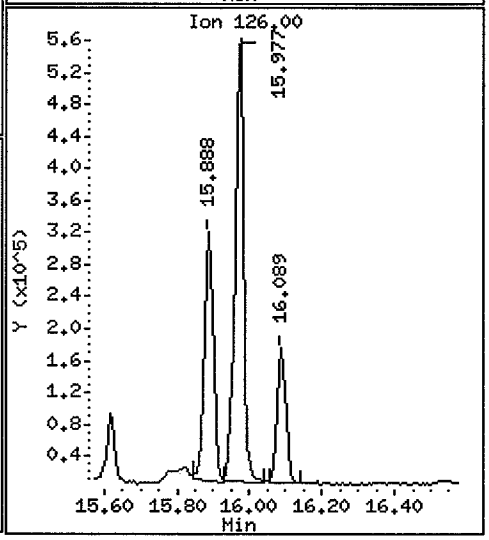












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-S3-01-D**
Page 1 of 1 **DILUTION**

Lab Sample ID: JQ33M
LIMS ID: 06-12935
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 20:19
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 50.0
Percent Moisture: 49.1%
pH: 7.1

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	**240**	**420**	
91-57-6	**2-Methylnaphthalene**	**240**	**220**	**J**
90-12-0	**1-Methylnaphthalene**	**240**	**120**	**J**
208-96-8	Acenaphthylene	240	< 240	U
83-32-9	**Acenaphthene**	**240**	**2,000**	
86-73-7	**Fluorene**	**240**	**1,100**	
85-01-8	**Phenanthrene**	**240**	**8,700**	**B**
120-12-7	**Anthracene**	**240**	**1,900**	
206-44-0	**Fluoranthene**	**240**	**19,000**	
129-00-0	**Pyrene**	**240**	**16,000**	
56-55-3	**Benzo(a)anthracene**	**240**	**11,000**	
218-01-9	**Chrysene**	**240**	**14,000**	
205-99-2	**Benzo(b)fluoranthene**	**240**	**15,000**	
207-08-9	**Benzo(k)fluoranthene**	**240**	**14,000**	
50-32-8	**Benzo(a)pyrene**	**240**	**16,000**	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**240**	**6,900**	
53-70-3	**Dibenz(a,h)anthracene**	**240**	**2,500**	
191-24-2	**Benzo(g,h,i)perylene**	**240**	**7,300**	
198-55-0	**Perylene**	**250**	**4,300**	
92-52-4	Biphenyl	250	< 250	U
581-42-0	2,6-Dimethylnaphthalene	240	< 240	U
832-69-9	**1-Methylphenanthrene**	**240**	**560**	
192-97-2	**Benzo(e)pyrene**	**240**	**9,500**	
2245-38-7	2,3,5-Trimethylnaphthalene	240	< 240	U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	D
d14-Dibenzo(a,h)anthracen	D

YZ 8/7/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33m50.d
Lab Smp Id: JQ33M Client Smp ID: T4-S3-01-D
Inj Date : 04-AUG-2006 20:19
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33M,50
Misc Info : 06-12935
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 25
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	20.00000	Weight of sample extracted (g)
M	49.10000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.884	6.883	(1.000)	256942	2.00000	
	2 Naphthalene	128	6.908	6.907	(1.003)	22071	0.17221 D	422.9
$	3 2-Methylnaphthalene-d10	152	Compound Not Detected.					
	4 2-Methylnaphthalene	142	7.682	7.681	(1.116)	6716	0.08849 J	217.3
	5 1-Methylnaphthalene	142	7.812	7.811	(1.135)	4180	0.05250 J	128.9
	7 Acenaphthylene	152	Compound Not Detected.					
*	8 Acenaphthene-d10	164	8.947	8.946	(1.000)	141892	2.00000	
	9 Acenaphthene	153	8.988	8.987	(1.005)	57323	0.82276	2021
	10 Dibenzofuran	168	9.177	9.170	(1.026)	17486	0.17039	418.4
	11 Fluorene	166	9.597	9.596	(1.073)	35362	0.44263	1087
*	15 Phenanthrene-d10	188	10.761	10.760	(1.000)	226524	2.00000	
	16 Phenanthrene	178	10.791	10.790	(1.003)	414337	3.56354 B	8751
	17 Anthracene	178	10.844	10.843	(1.008)	90299	0.77714	1908
	19 Fluoranthene	202	12.286	12.279	(1.142)	934370	7.87875	19350

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	20 Pyrene	202	12.576	12.569	(0.893)	886968	6.75086	16580
	22 Benzo(a)anthracene	228	14.053	14.052	(0.998)	564675	4.58291	11250
*	23 Chrysene-d12	240	14.077	14.070	(1.000)	204610	2.00000	
	24 Chrysene	228	14.106	14.105	(1.002)	645183	5.67711	13940
	28 Benzo(b)fluoranthene	252	15.454	15.447	(0.964)	678399	6.22789	15290
	29 Benzo(k)fluoranthene	252	15.478	15.476	(0.965)	649561	5.59345	13740
	30 Benzo(a)pyrene	252	15.950	15.938	(0.995)	689752	6.49846	15960
*	31 Perylene-d12	264	16.033	16.026	(1.000)	193008	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.995	17.988	(1.122)	341235	2.79559	6865
$	32 Dibenz(a,h)anthrancene-d14	292	17.983	17.906	(1.122)	6737	0.0912[illegible]	224.0(RM)
	34 Dibenz(a,h)anthracene	278	17.978	17.976	(1.121)	101983	1.02273	2512
	35 Benzo(g,h,i)perylene	276	18.574	18.562	(1.159)	301958	2.97599	7308
	48 Biphenyl	154	Compound Not Detected.					
	49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
	50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
	51 1-Methylphenanthrene	192	11.565	11.564	(0.822)	18907	0.22575	554.4
	52 Benzo(e)pyrene	252	15.868	15.861	(0.990)	456393	3.88455	9540
	53 Perylene	252	16.069	16.068	(1.002)	193617	1.75514	4310

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33m50.d
Lab Smp Id: JQ33M
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12935

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: T4-S3-01-D
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	256942	15.32
8 Acenaphthene-d10	123591	61796	247182	141892	14.81
15 Phenanthrene-d10	200797	100398	401594	226524	12.81
23 Chrysene-d12	171210	85605	342420	204610	19.51
31 Perylene-d12	183426	91713	366852	193008	5.22

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	0.00
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	0.00
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	0.00
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.00
31 Perylene-d12	16.03	15.53	16.53	16.03	0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

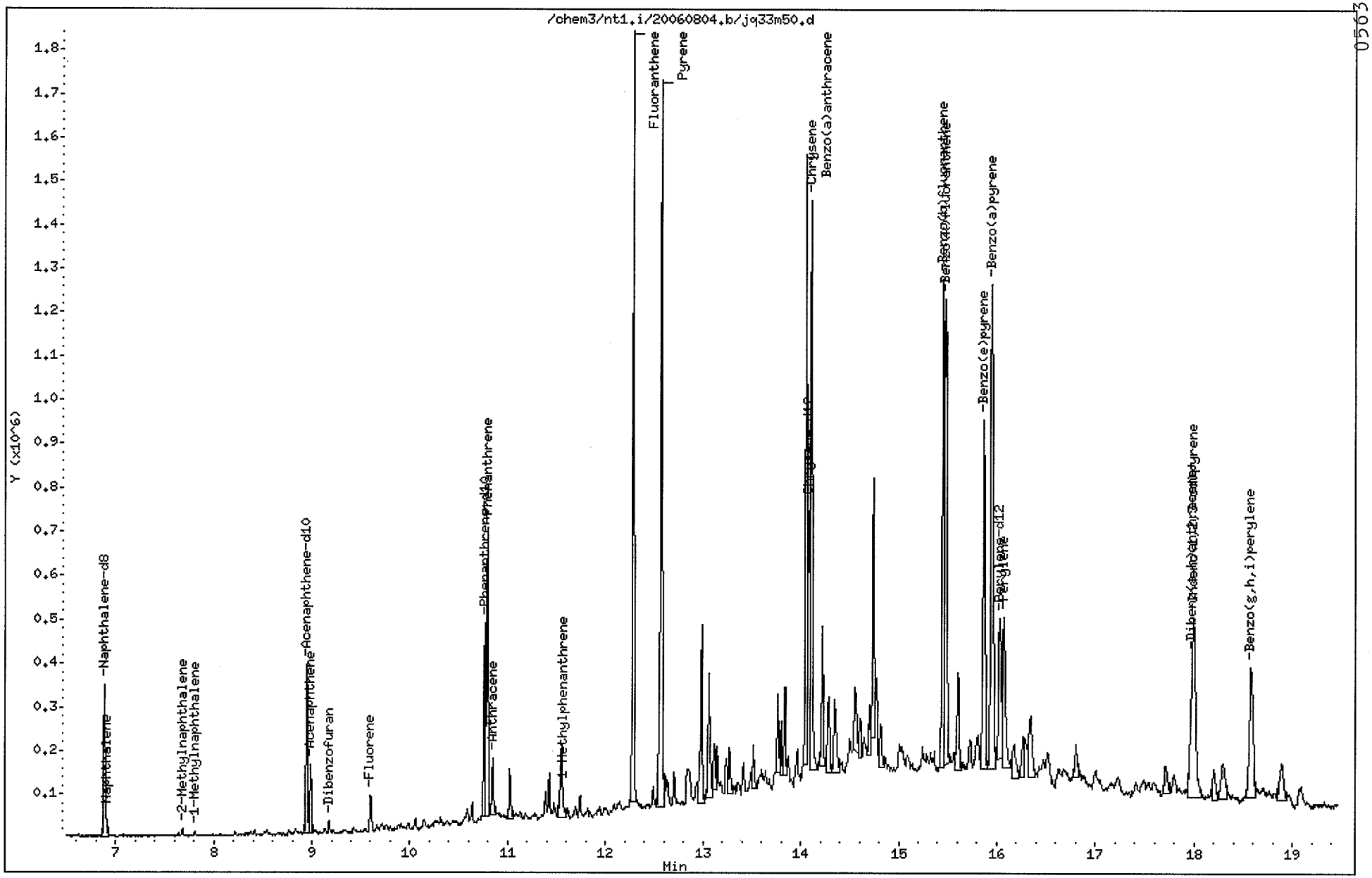
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33M
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12935

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-S3-01-D
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthale	147.3	0.000	*	32-97
$ 32 Dibenz(a,h)anthran	147.3	224.0	152.01*	21-105

Data File: /chem3/nt1.i/20060804.b/jq33m50.d
Date : 04-AUG-2006 20:19
Client ID: T4-S3-01-D
Sample Info: JQ33M,50
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

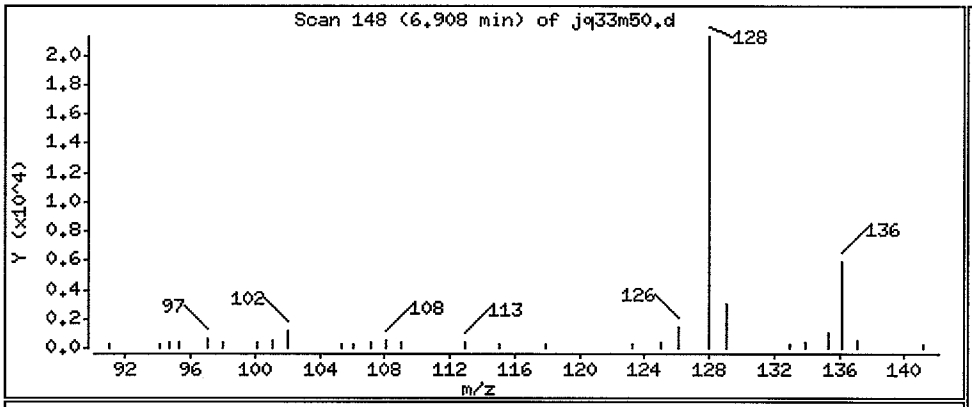
Operator: VTS

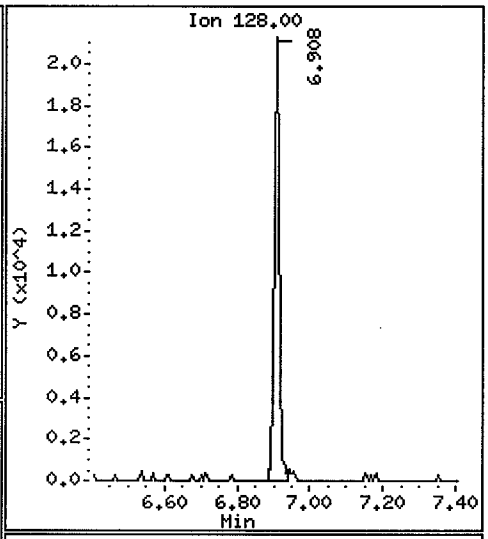
Column phase: ZB-5

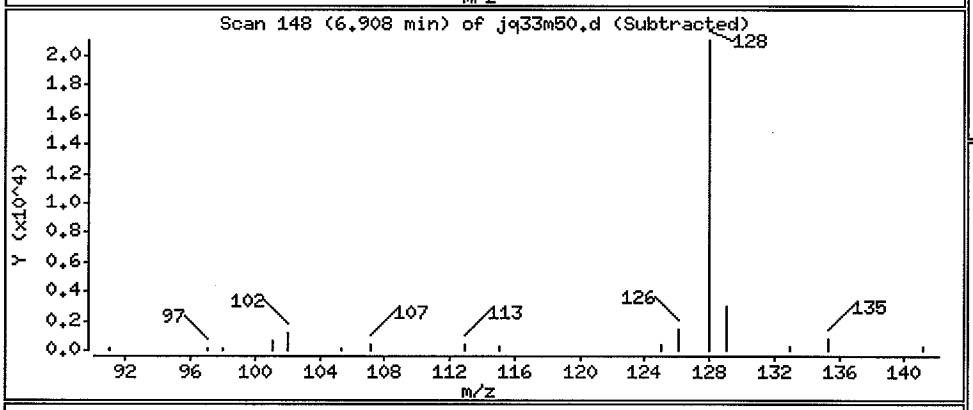
Column diameter: 0.25

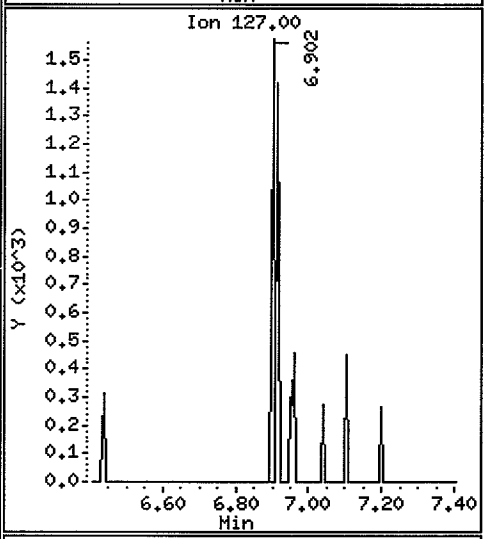
2 Naphthalene

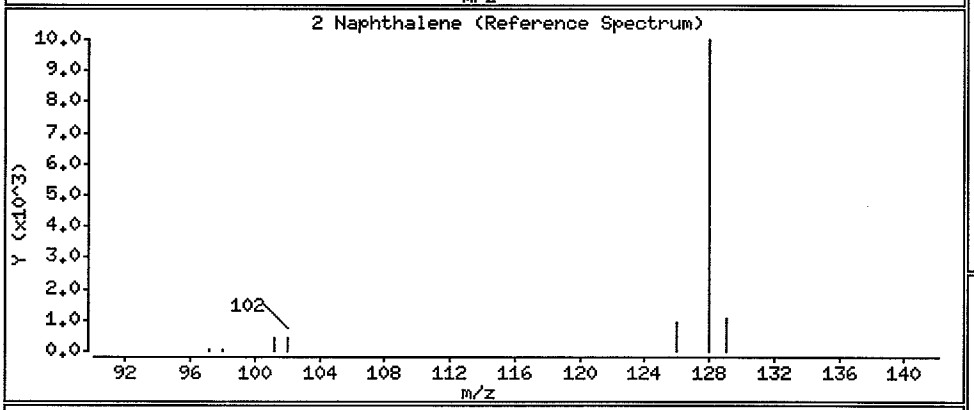
Concentration: 422.9 ug/kg

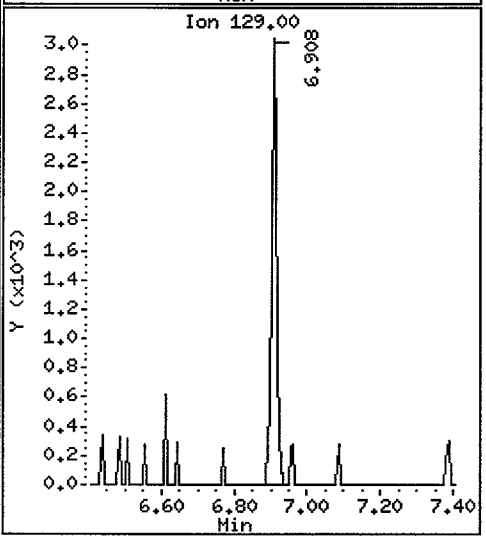


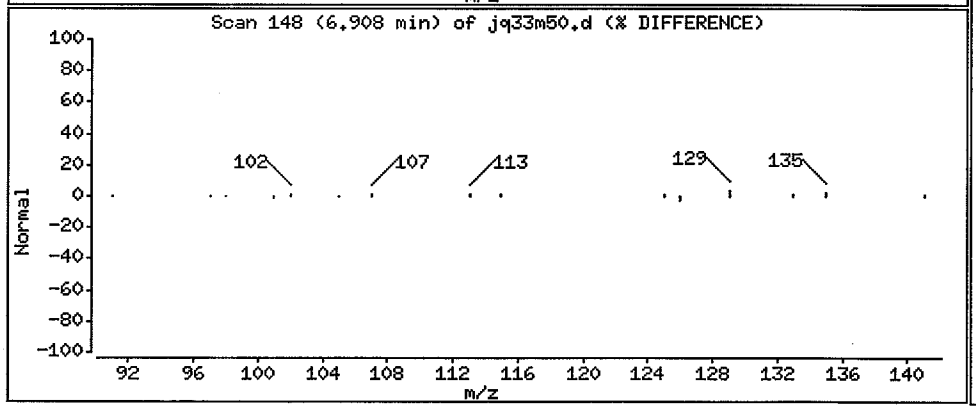












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

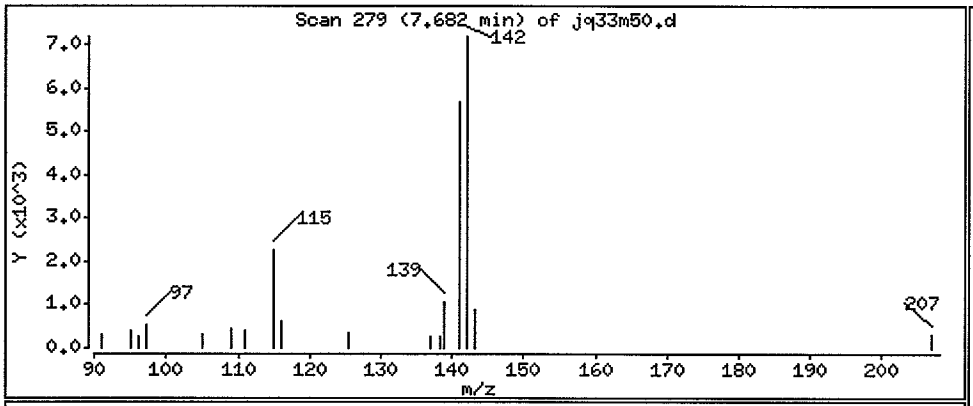
Operator: VTS

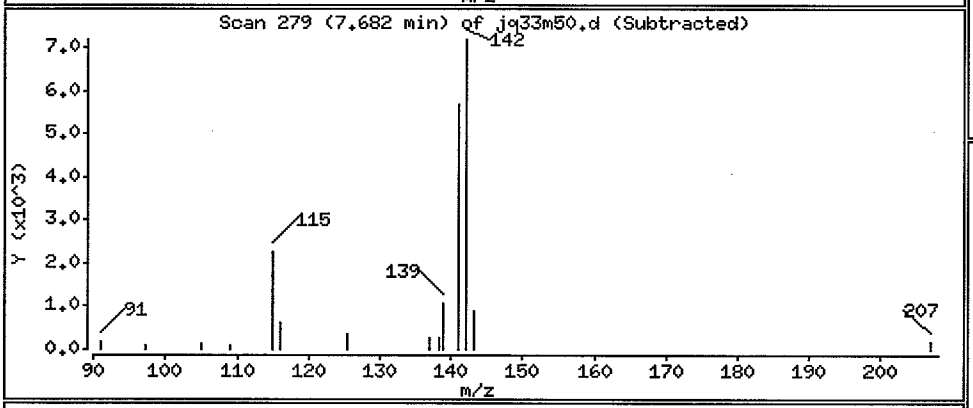
Column phase: ZB-5

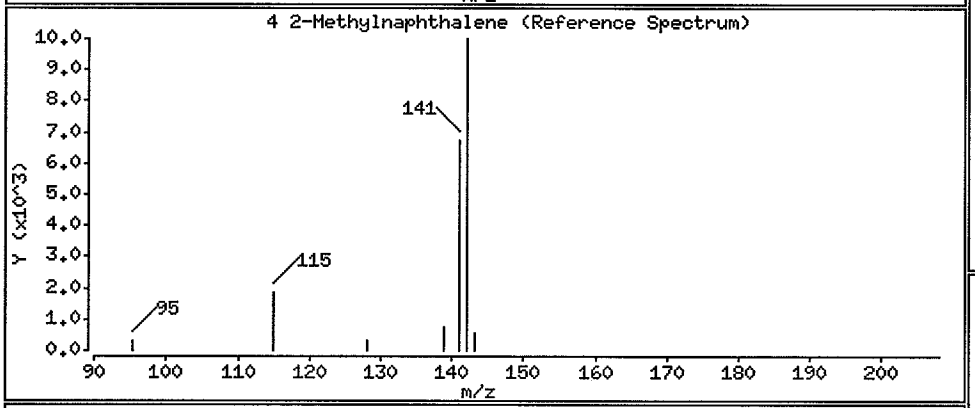
Column diameter: 0.25

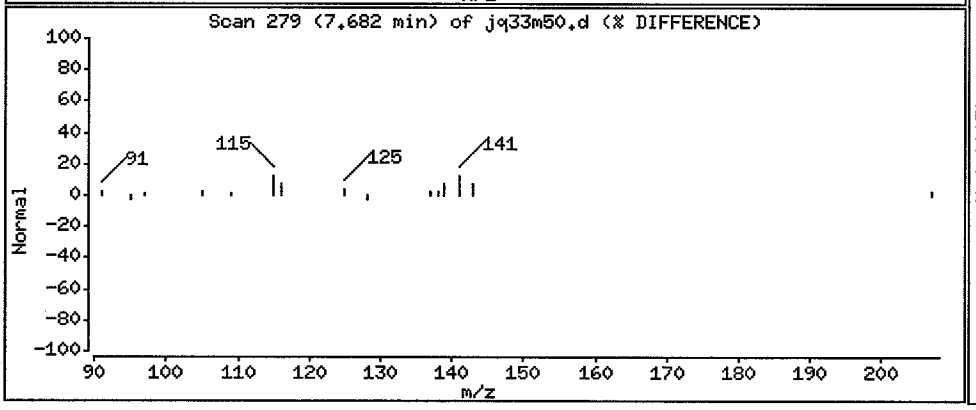
4 2-Methylnaphthalene

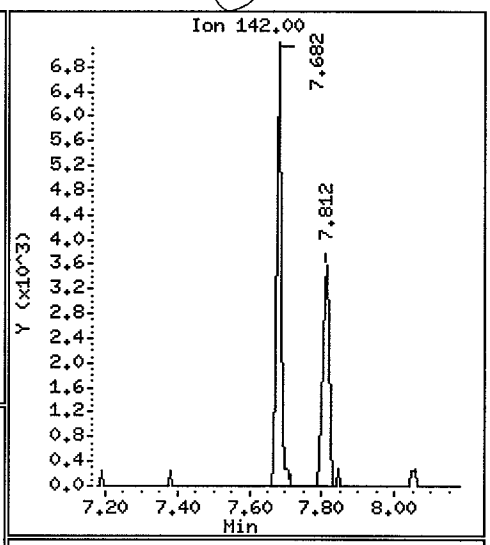
Concentration: 217.3 ug/kg

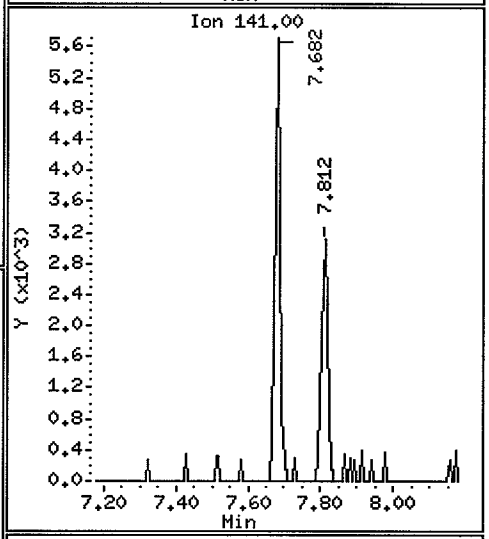


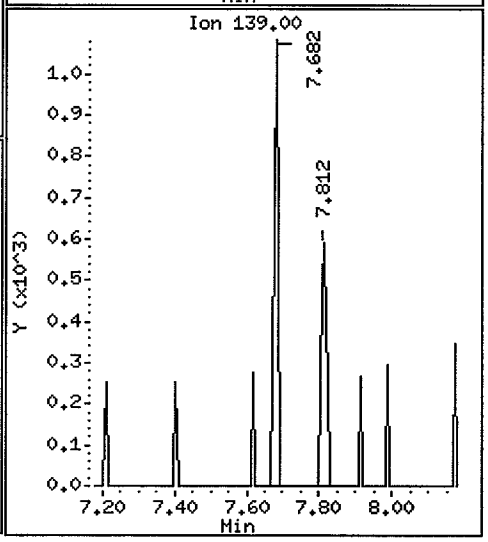












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

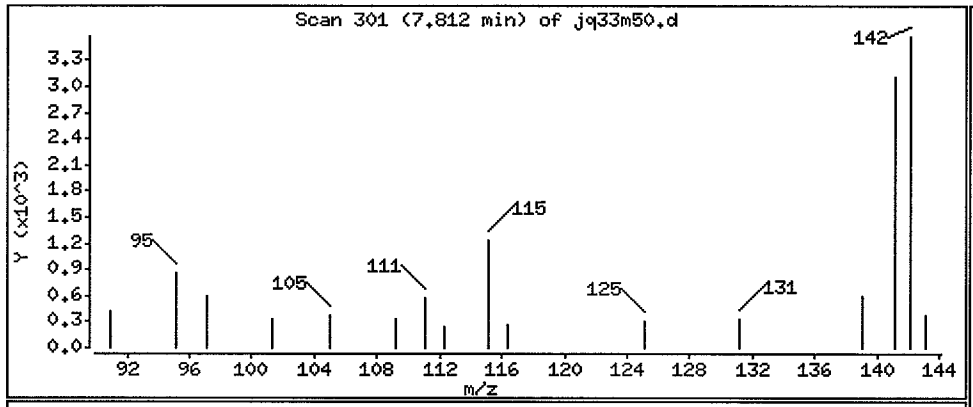
Operator: VTS

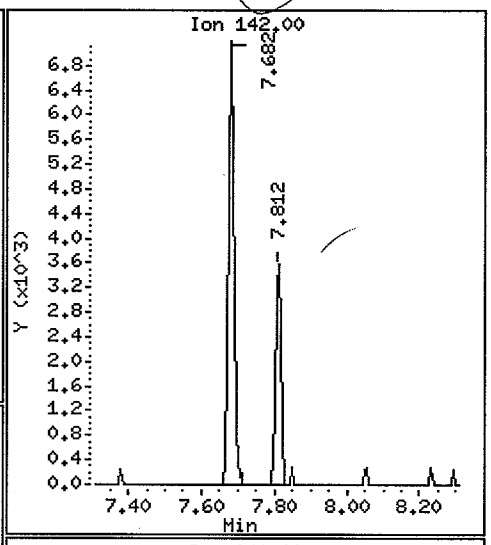
Column phase: ZB-5

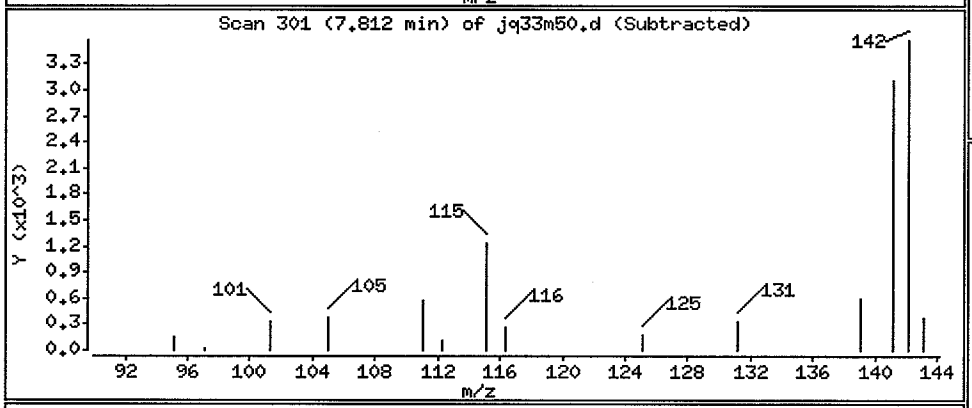
Column diameter: 0.25

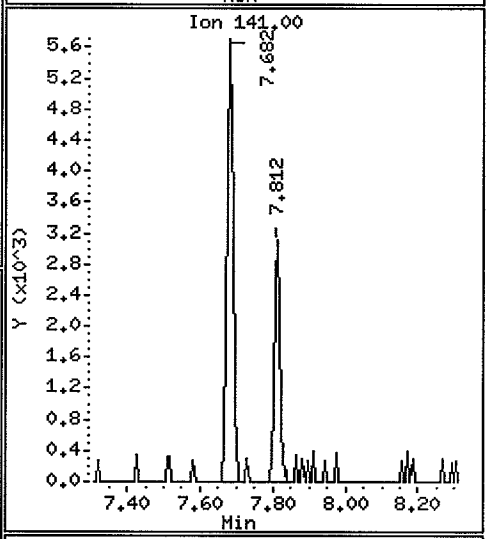
5 1-Methylnaphthalene

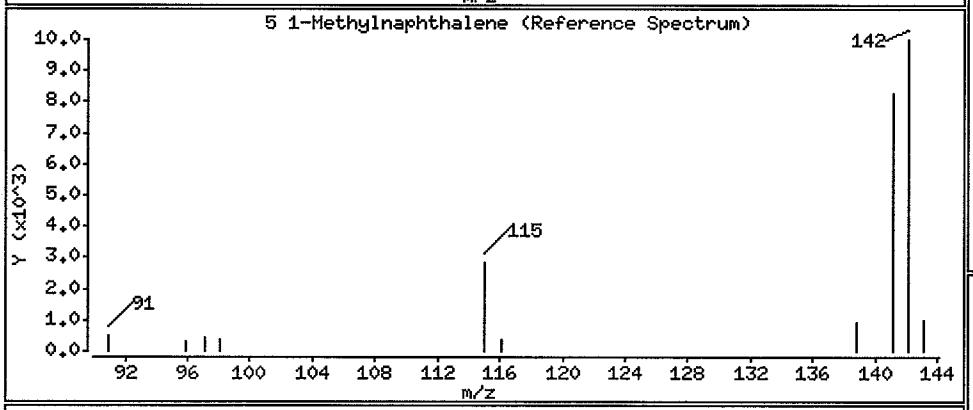
Concentration: 128.9 ug/kg

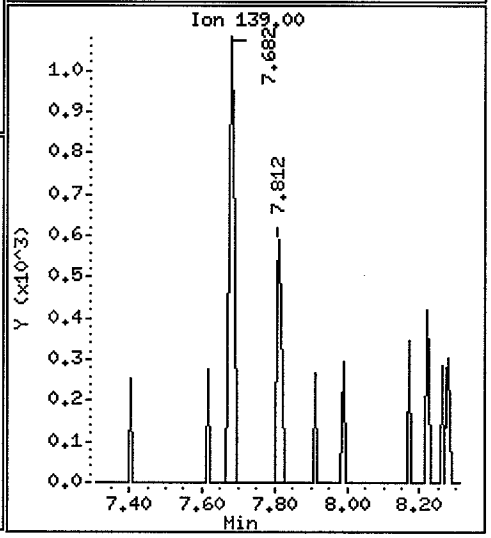


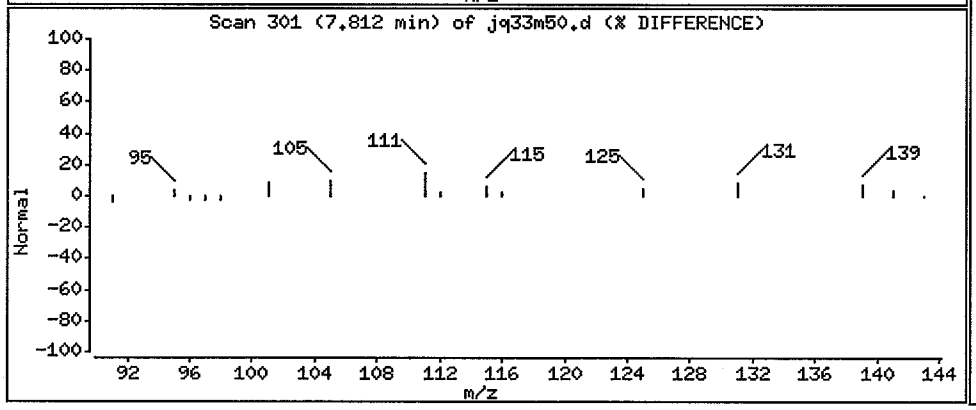












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

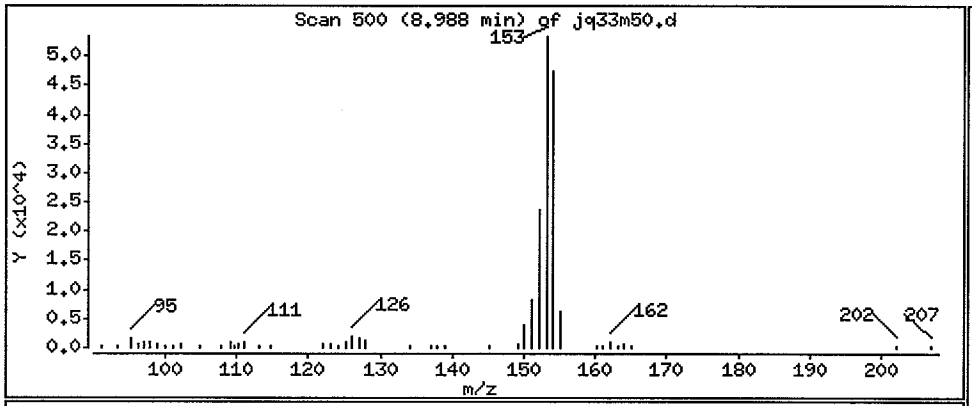
Operator: VTS

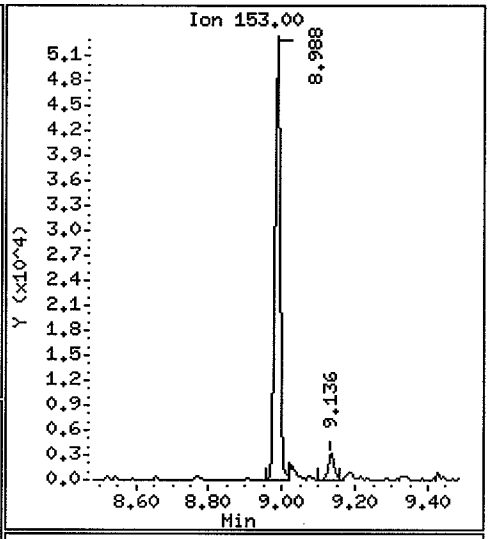
Column phase: ZB-5

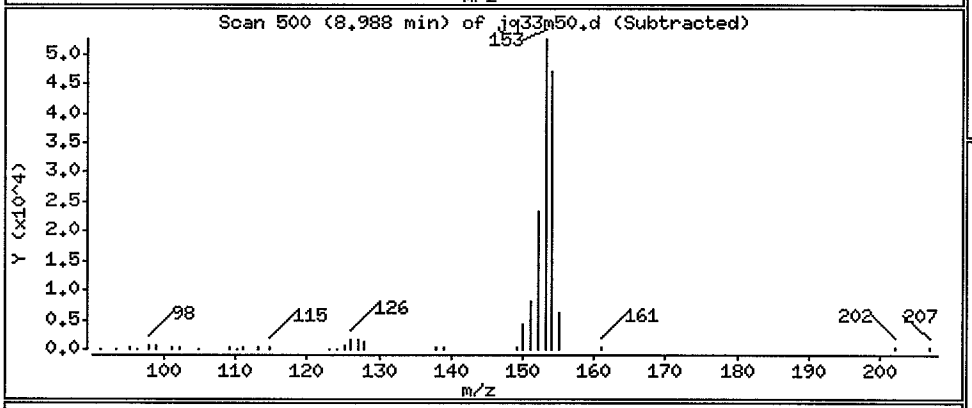
Column diameter: 0.25

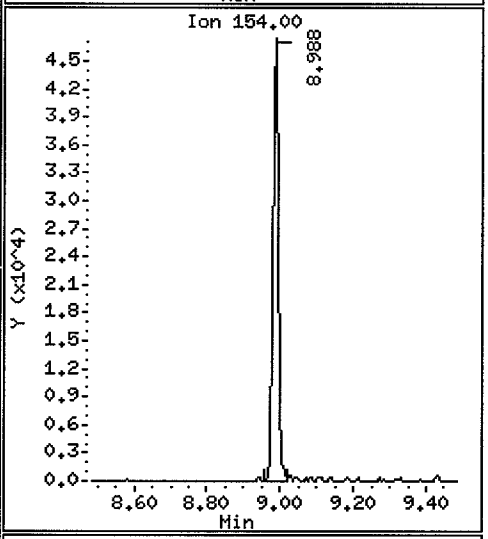
9 Acenaphthene

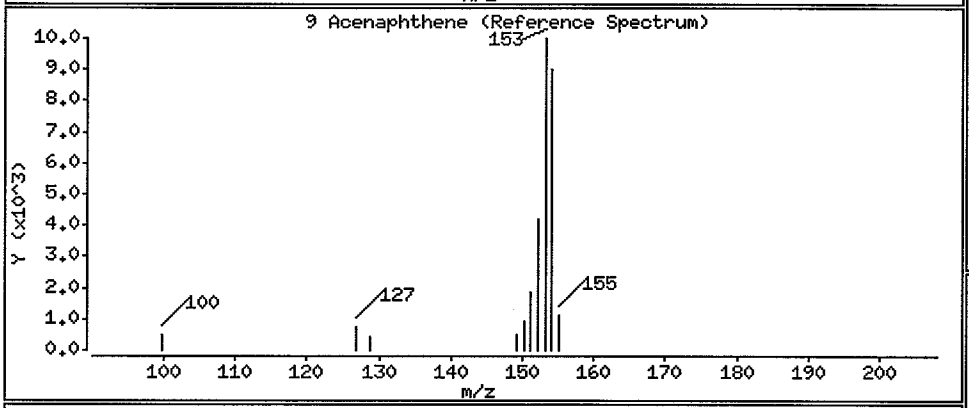
Concentration: 2021 ug/kg

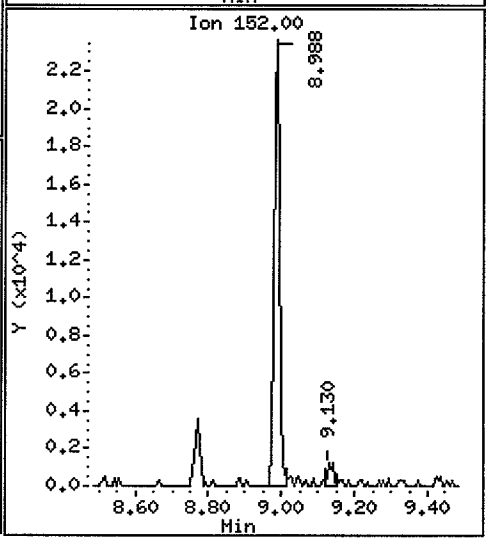


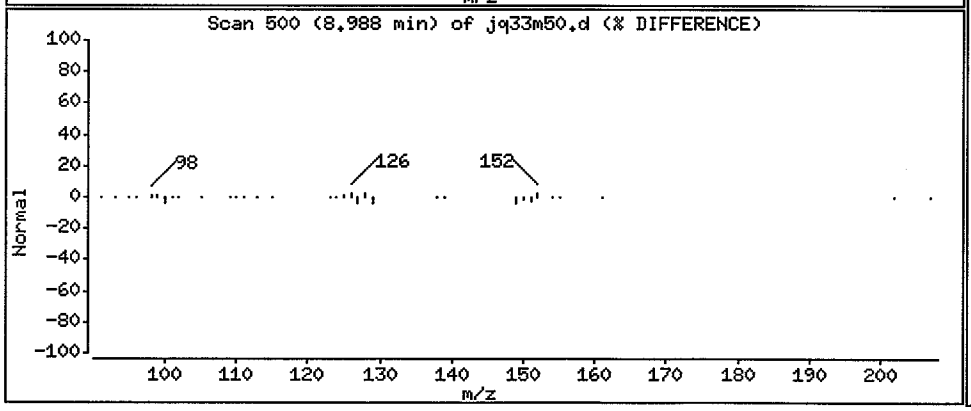












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

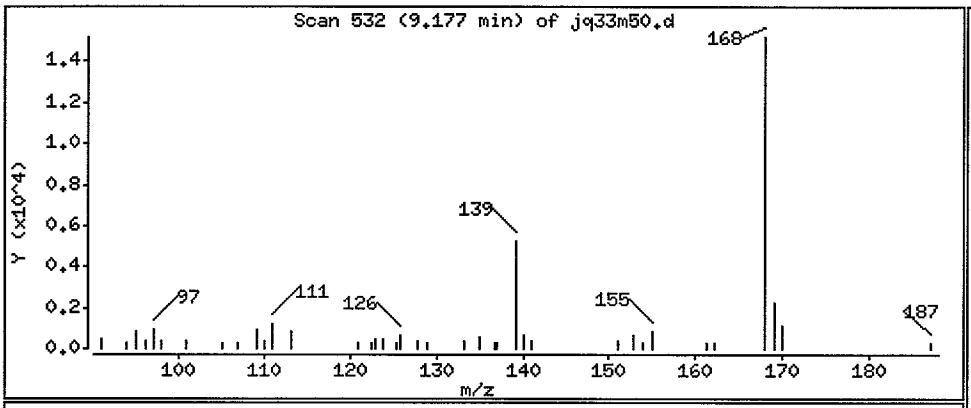
Operator: VTS

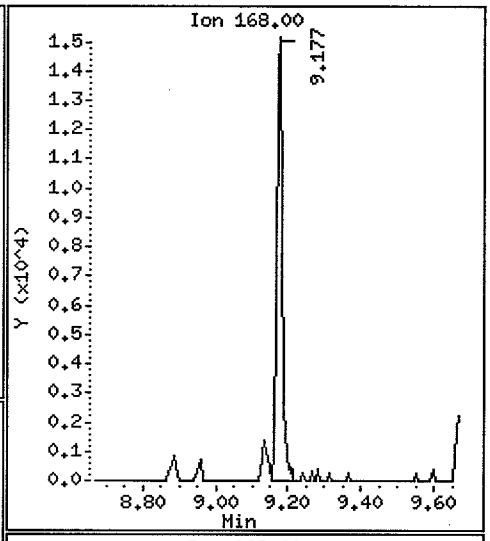
Column phase: ZB-5

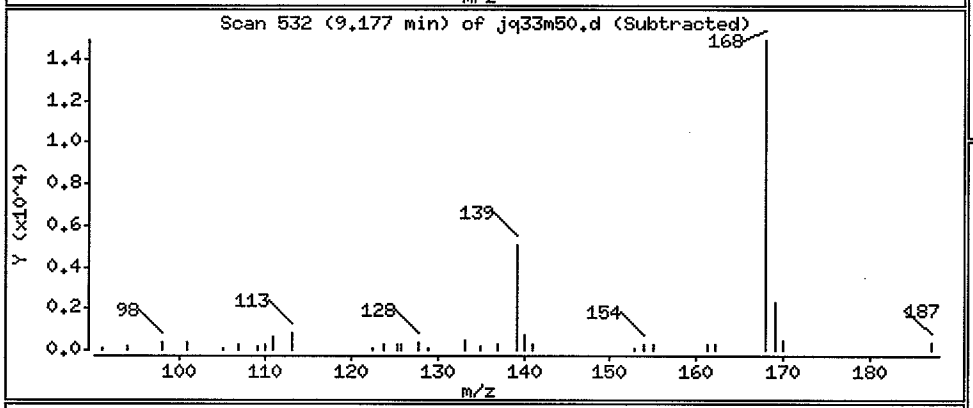
Column diameter: 0.25

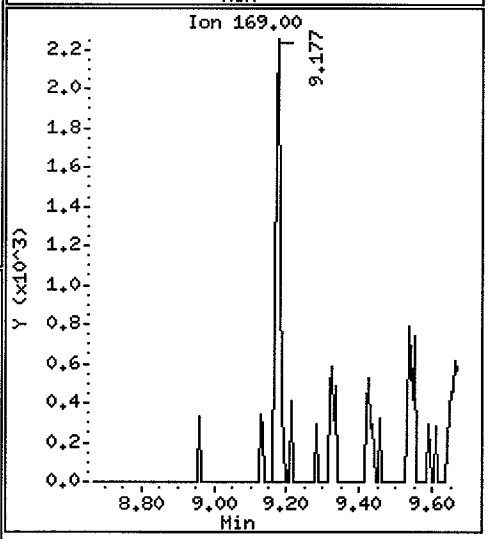
10 Dibenzofuran

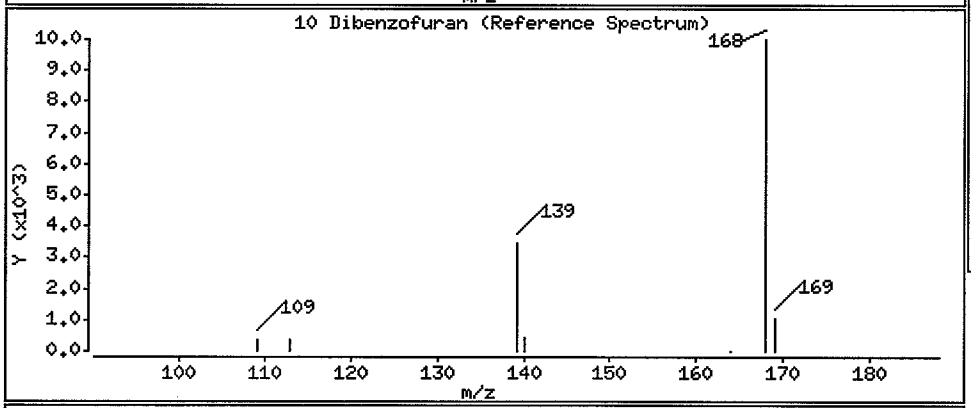
Concentration: 418.4 ug/kg

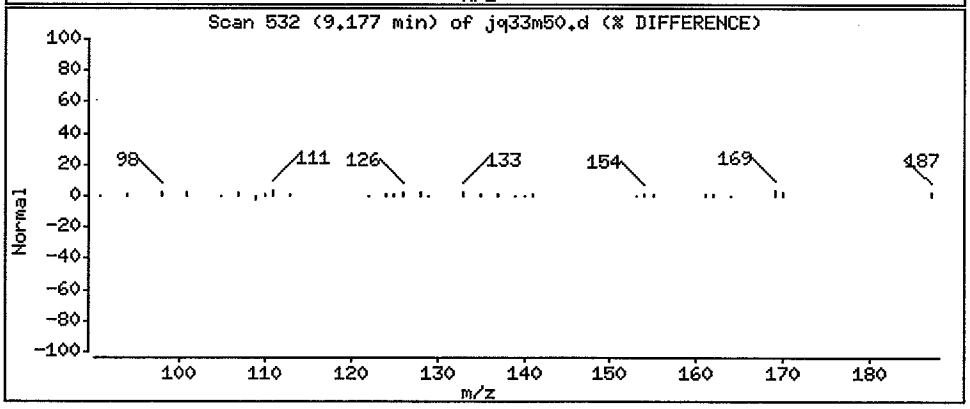












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

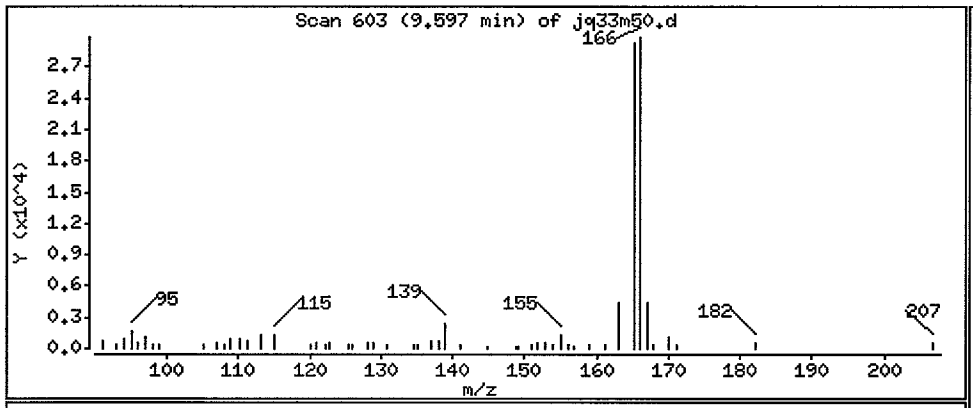
Operator: VTS

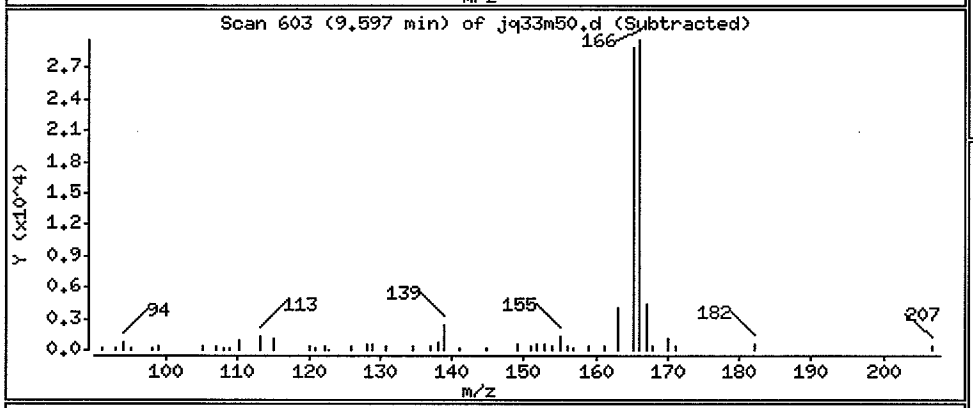
Column phase: ZB-5

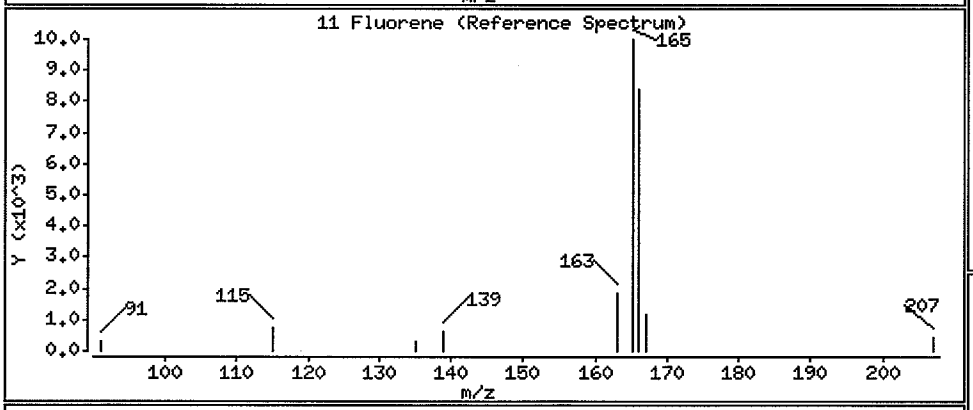
Column diameter: 0.25

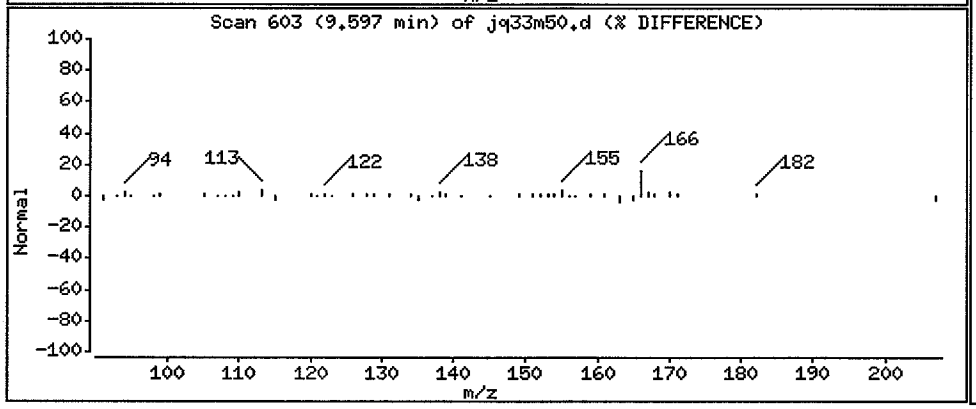
11 Fluorene

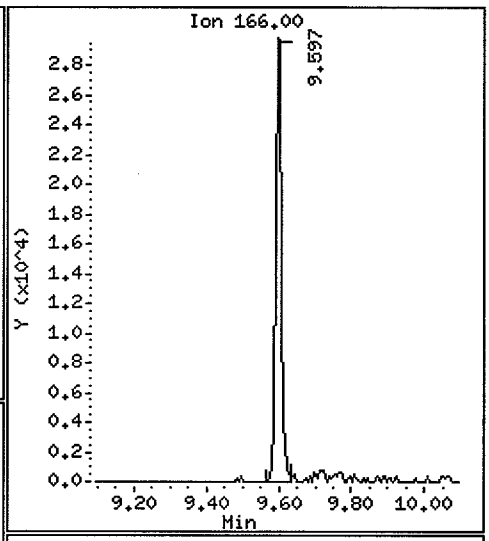
Concentration: 1087 ug/kg

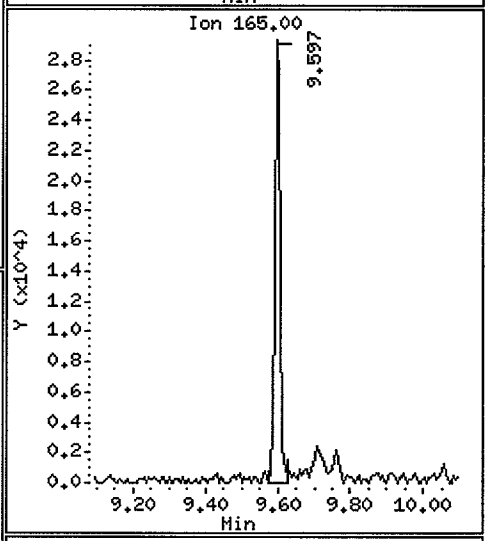


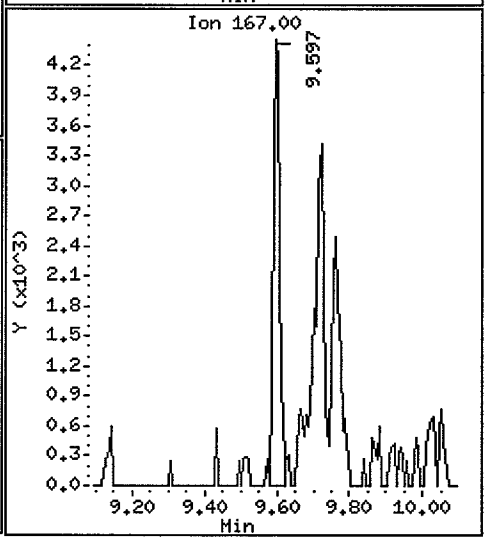












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

Operator: VTS

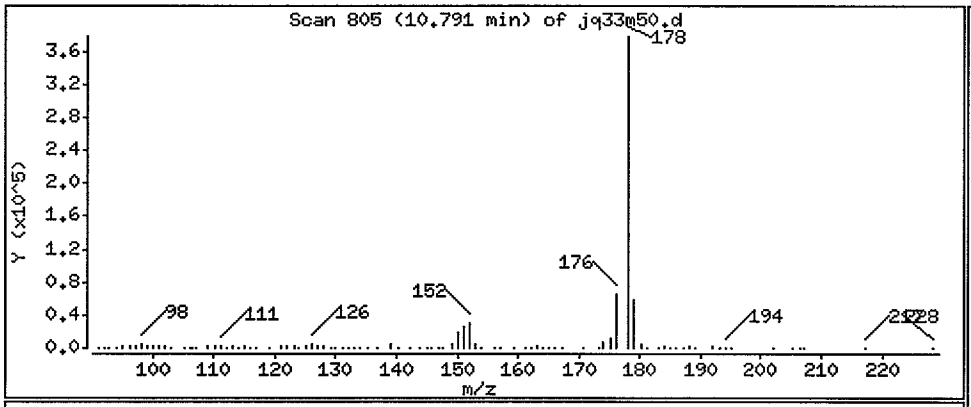
Column phase: ZB-5

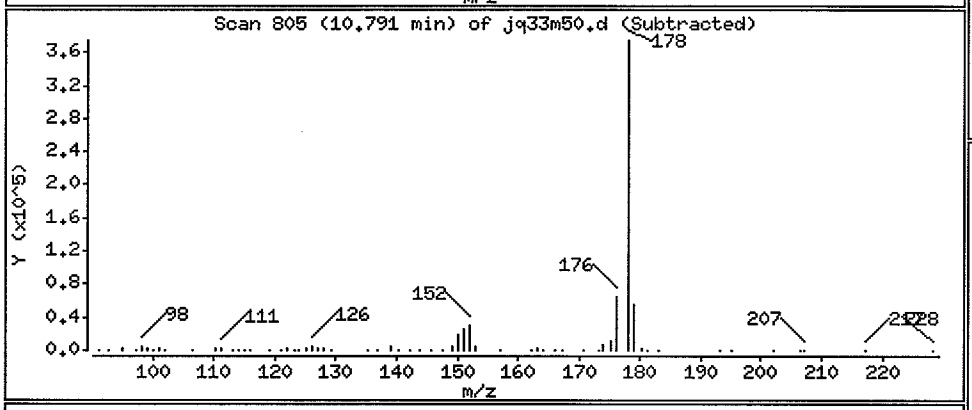
Column diameter: 0.25

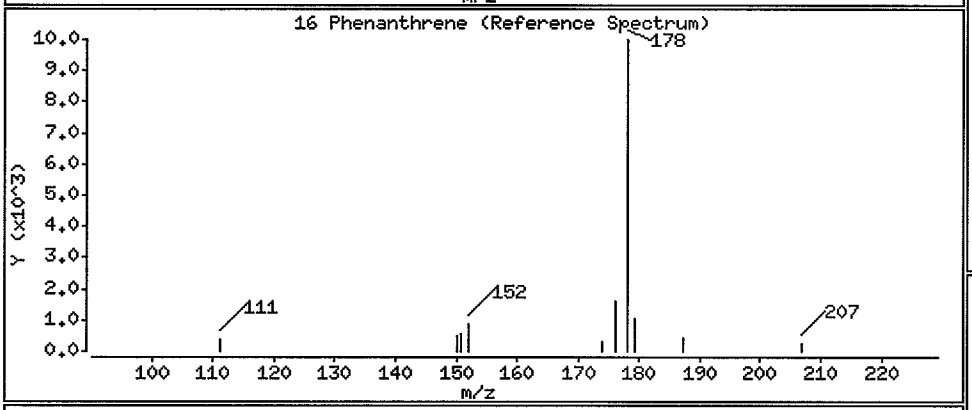
16 Phenanthrene

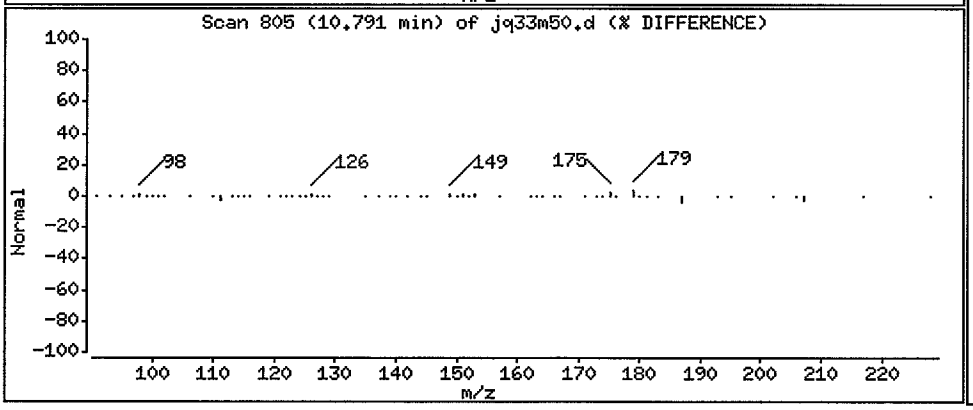
Concentration: 8751 ug/kg

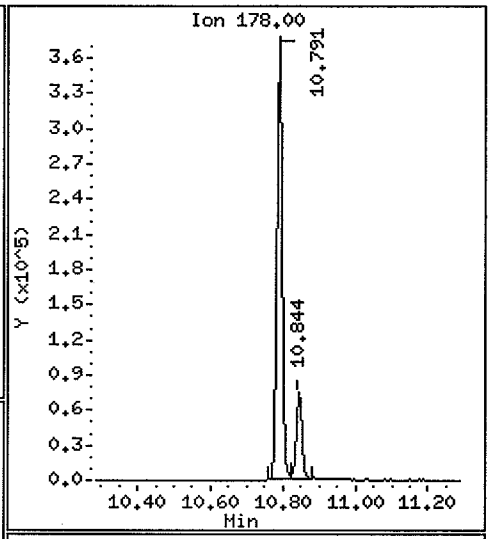
B

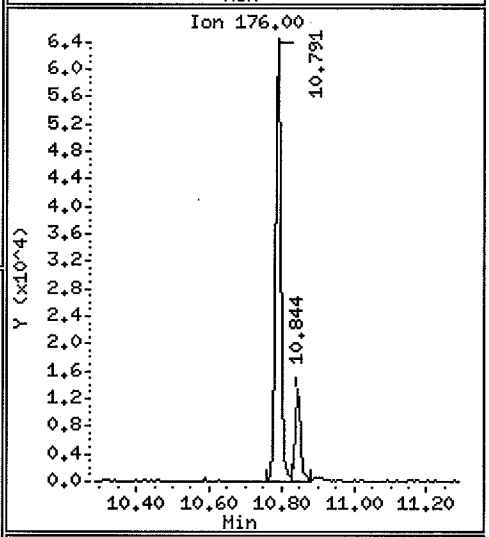


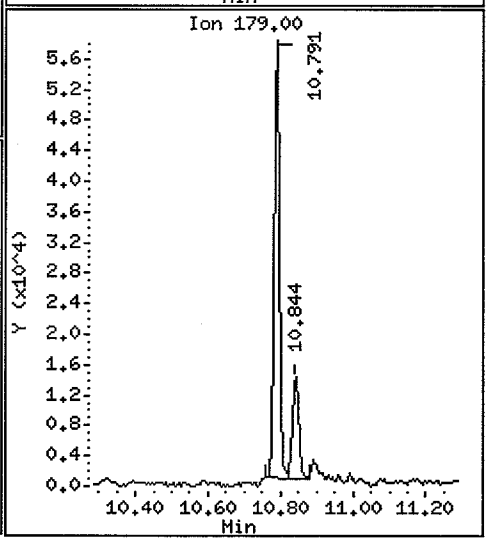












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

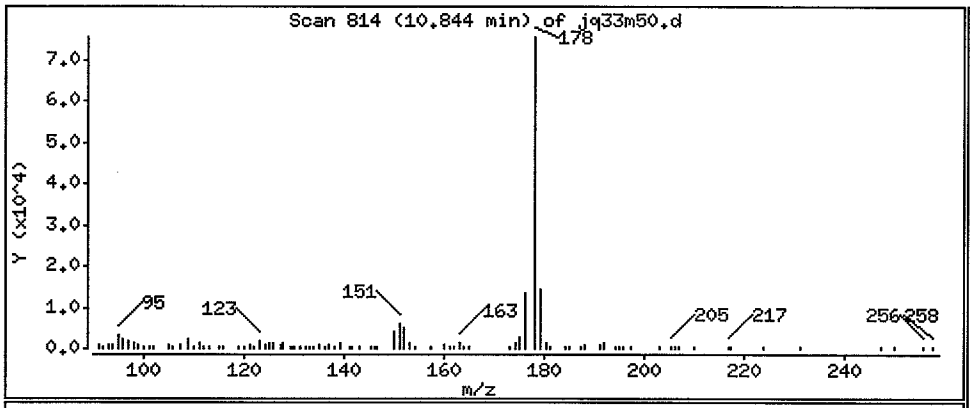
Operator: VTS

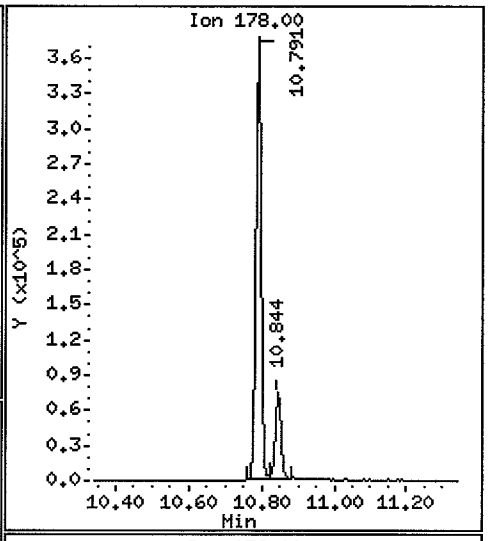
Column phase: ZB-5

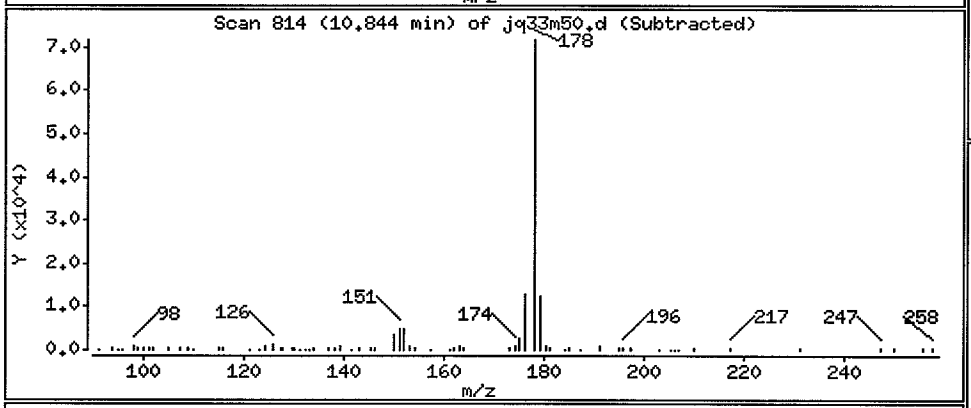
Column diameter: 0.25

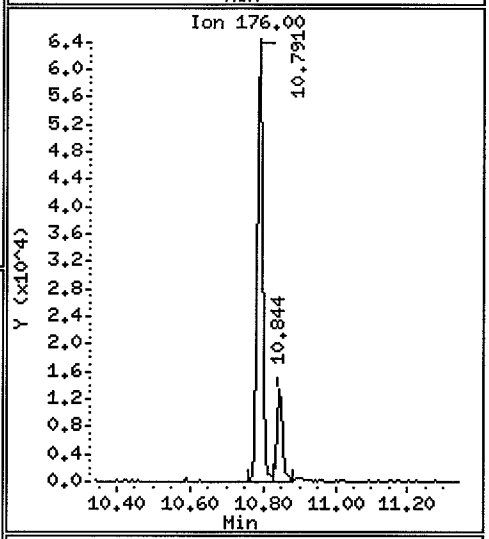
17 Anthracene

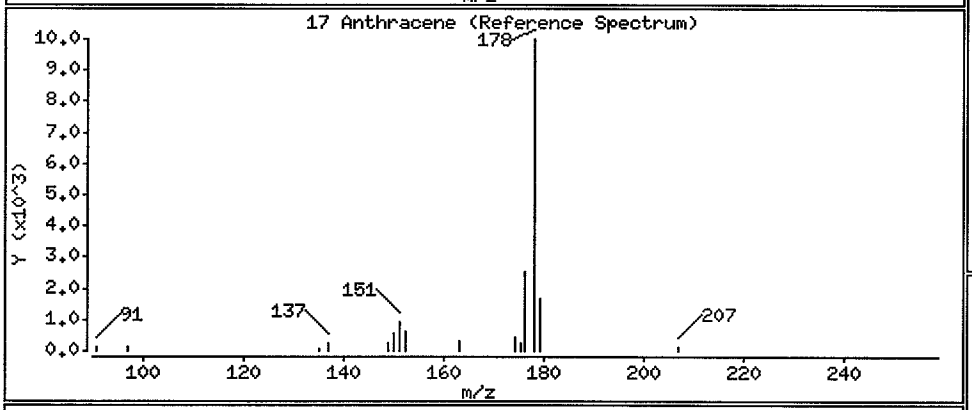
Concentration: 1908 ug/kg

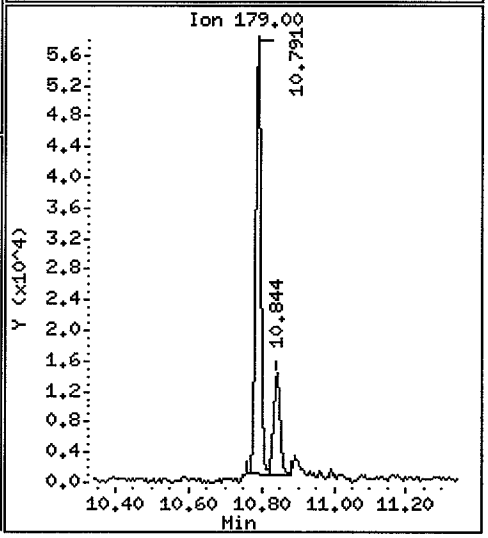


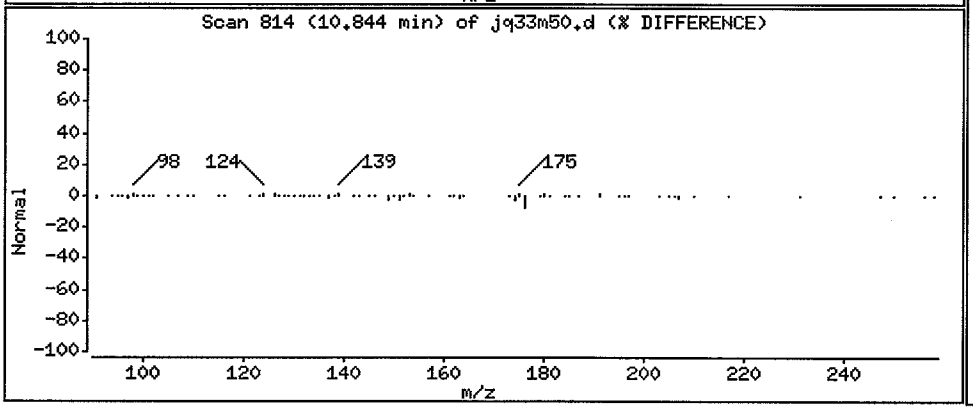












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

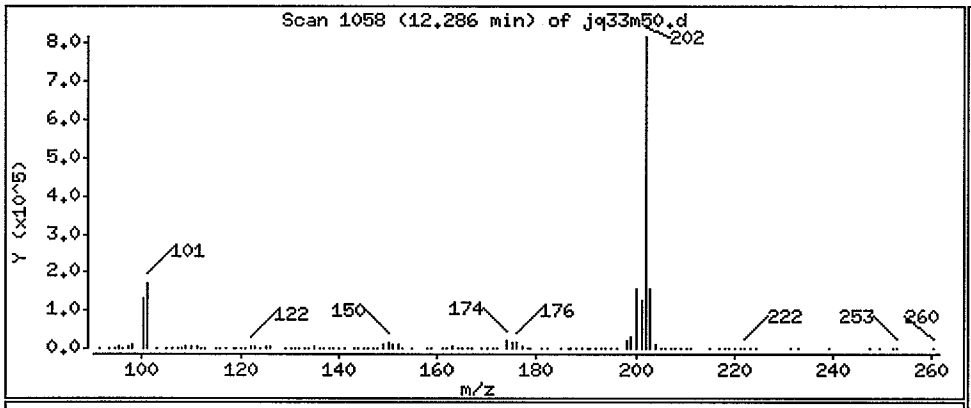
Operator: VTS

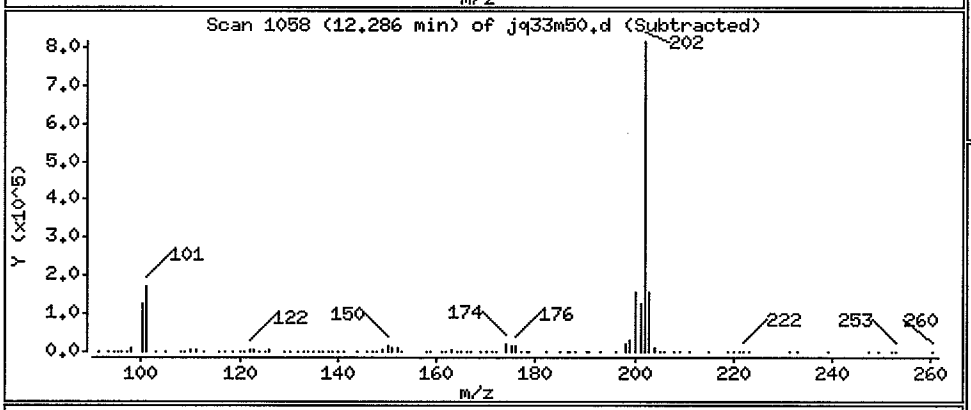
Column phase: ZB-5

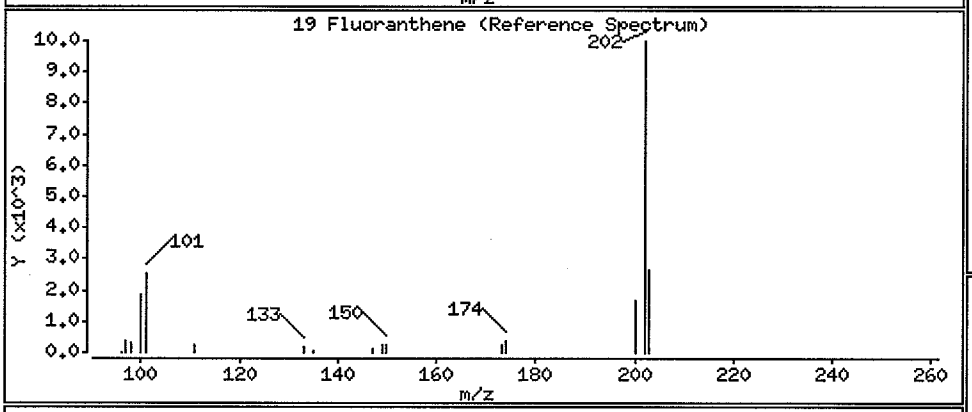
Column diameter: 0.25

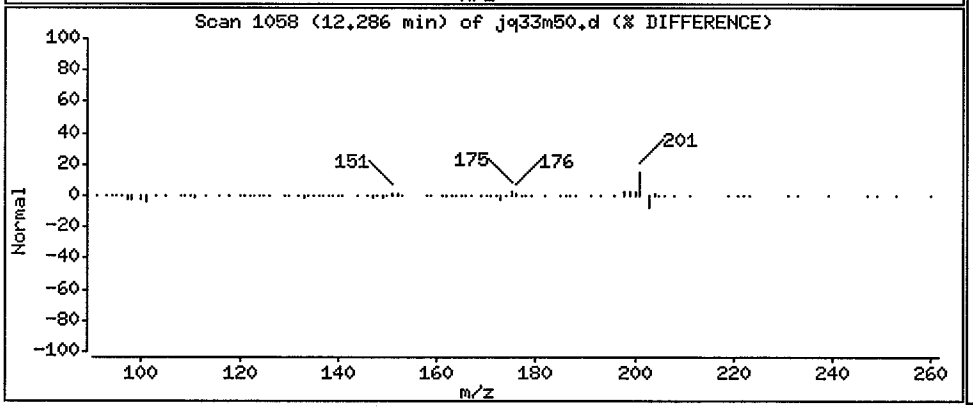
19 Fluoranthene

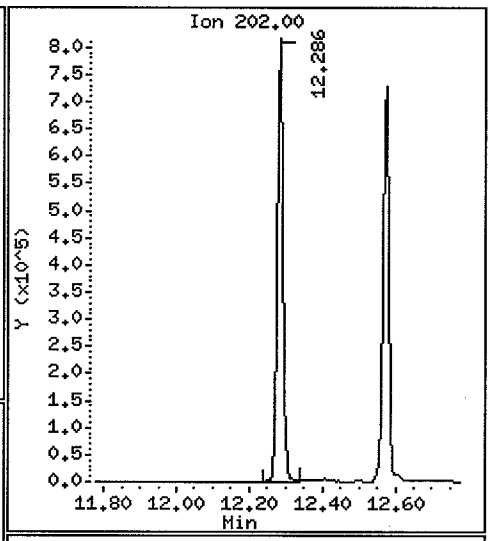
Concentration: 19350 ug/kg

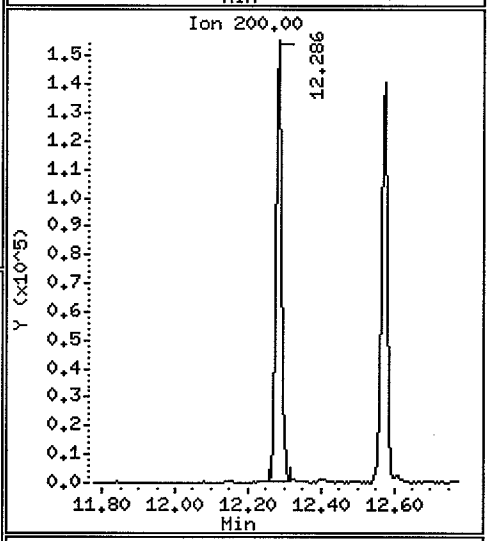


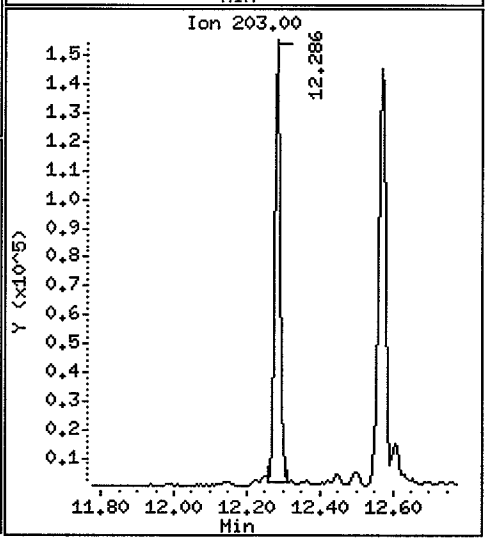












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

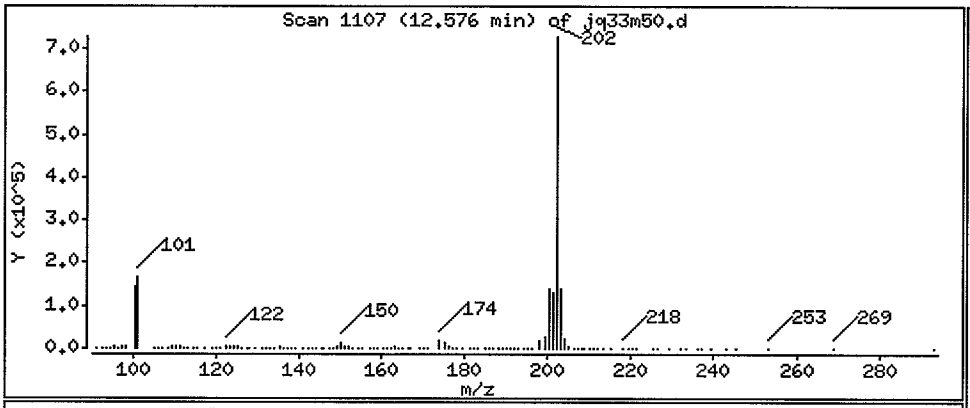
Operator: VTS

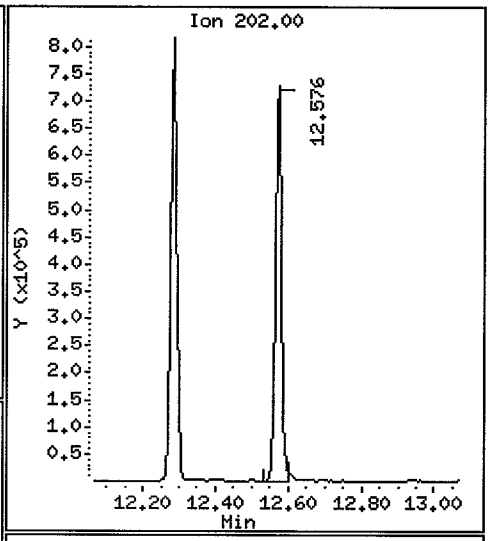
Column phase: ZB-5

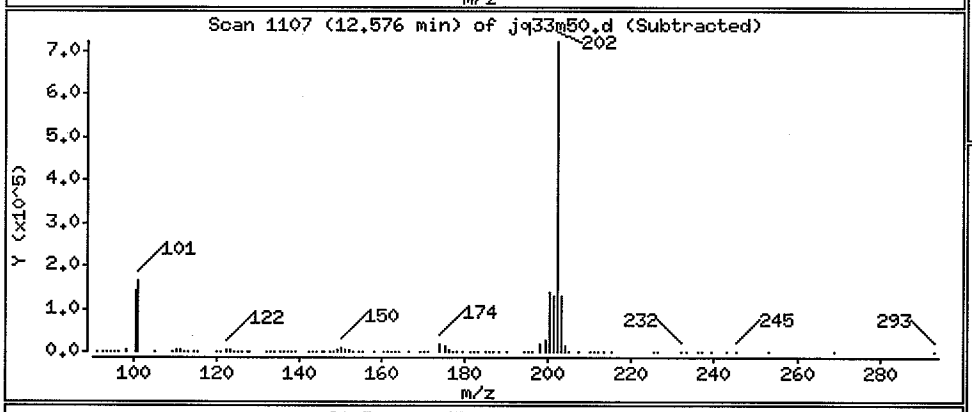
Column diameter: 0.25

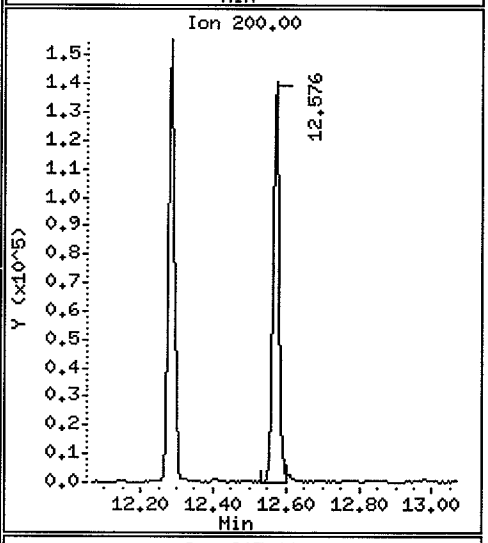
20 Pyrene

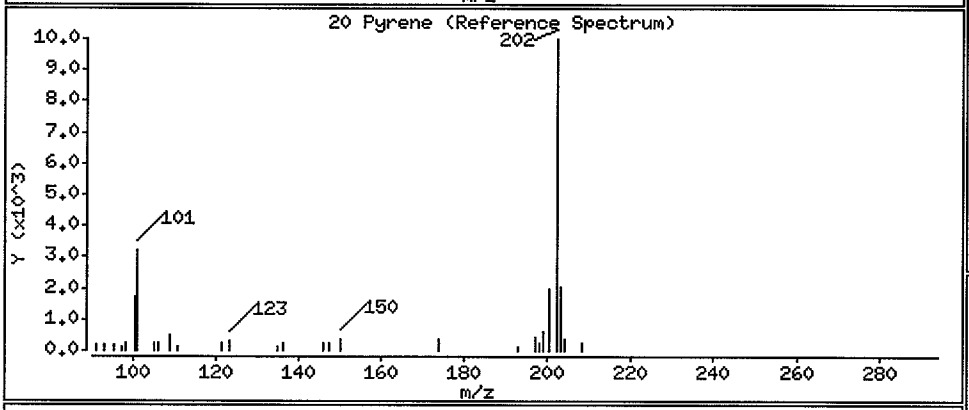
Concentration: 16580 ug/kg

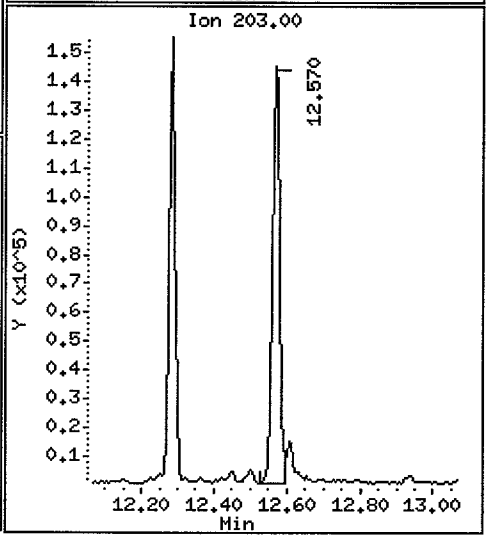


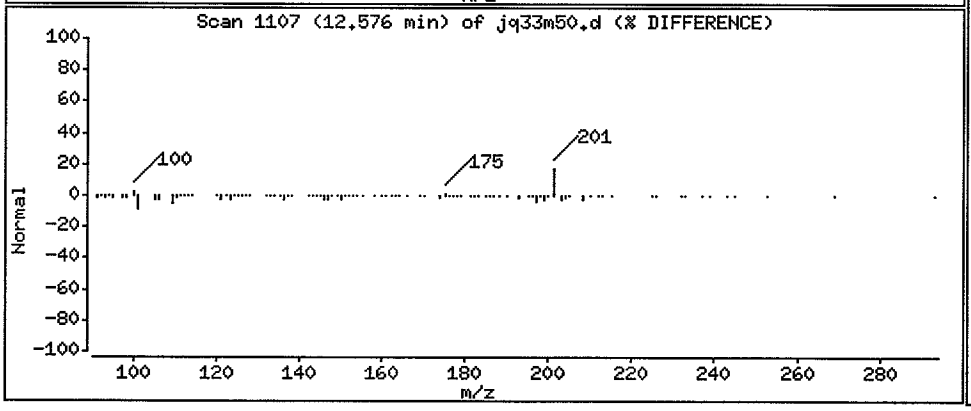












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

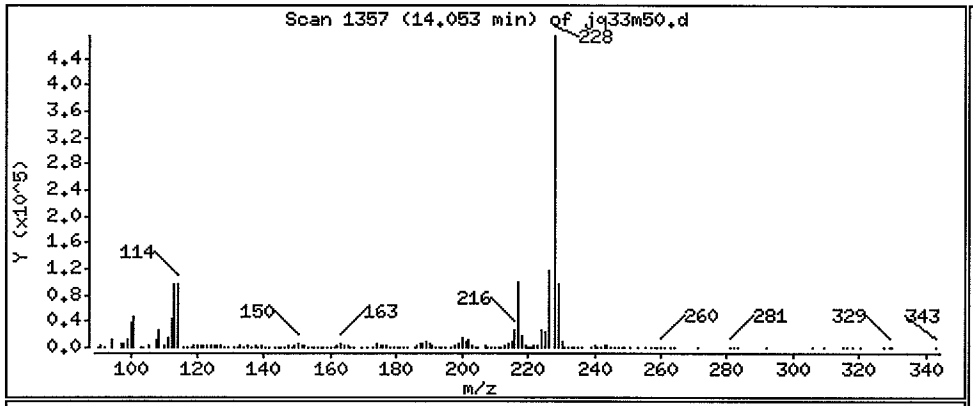
Operator: VTS

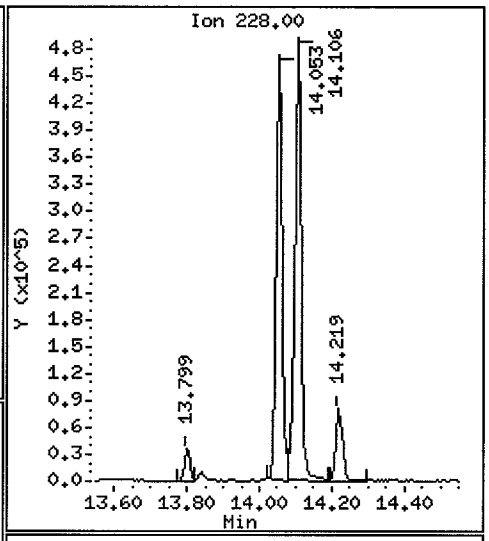
Column phase: ZB-5

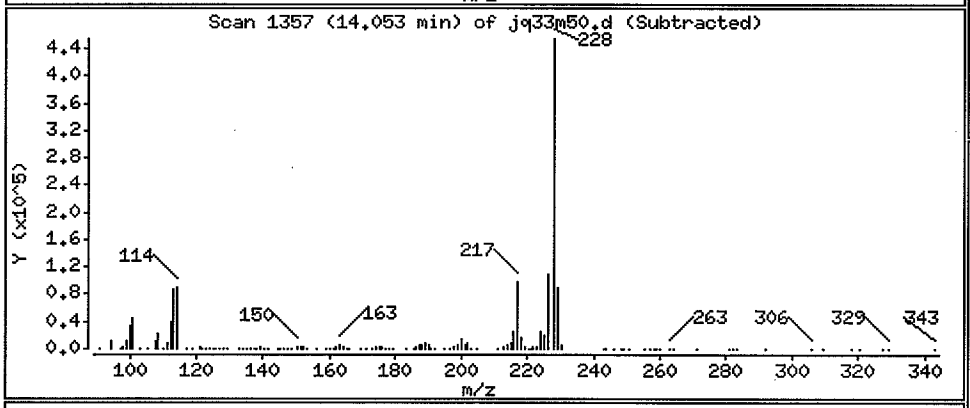
Column diameter: 0.25

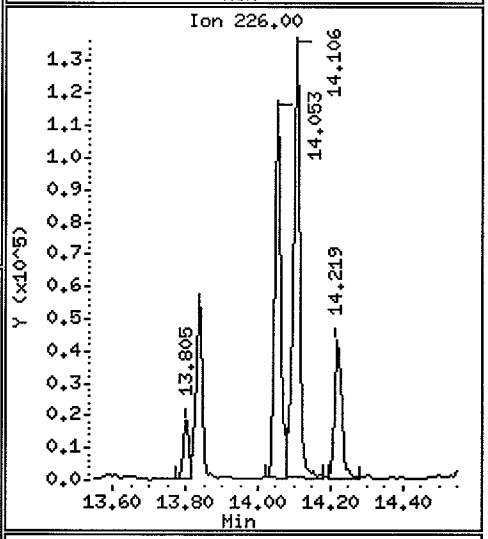
22 Benzo(a)anthracene

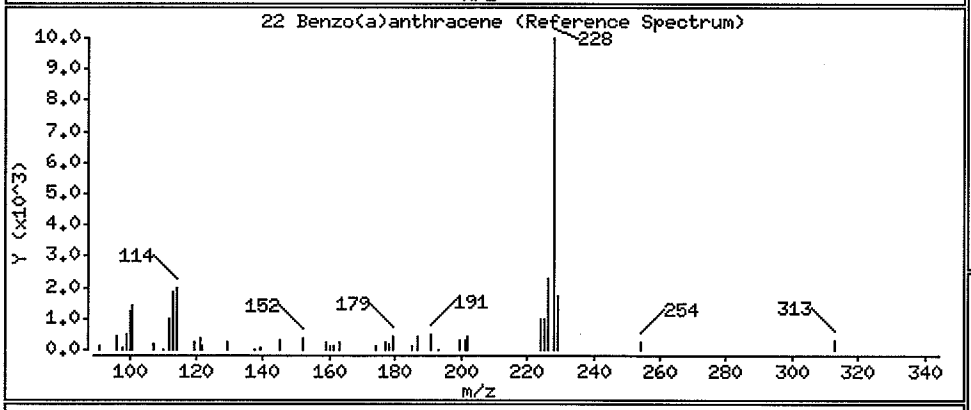
Concentration: 11250 ug/kg

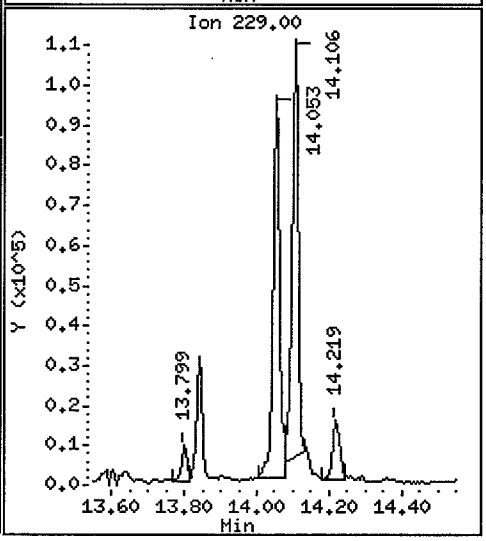


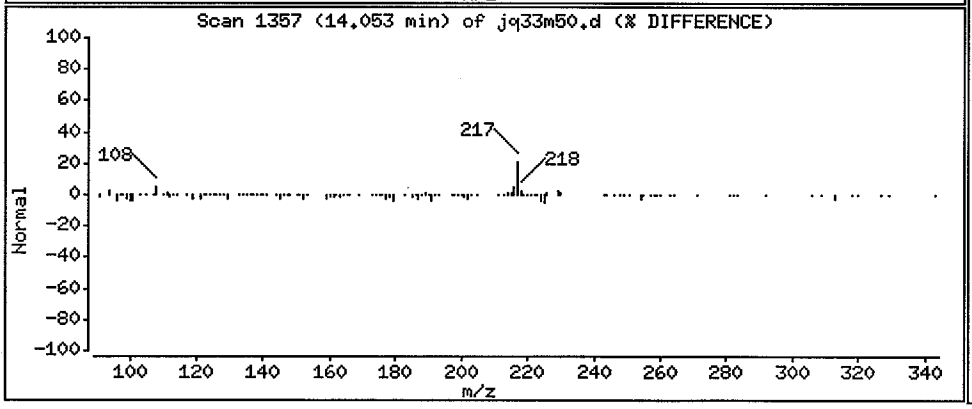












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

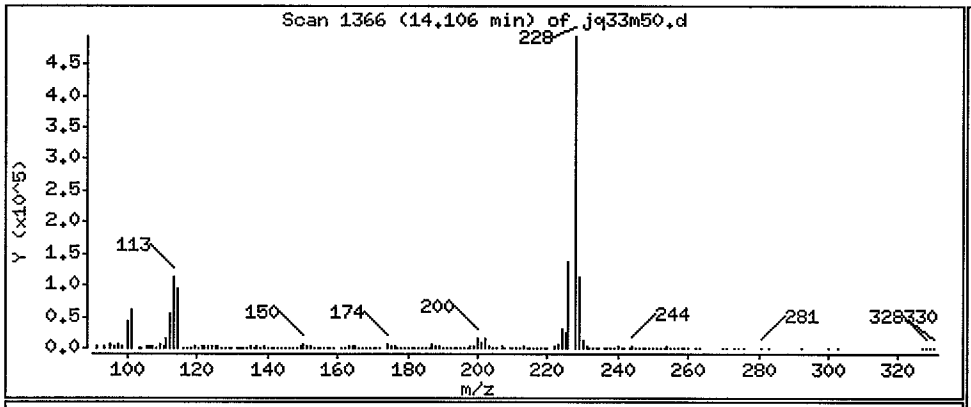
Operator: VTS

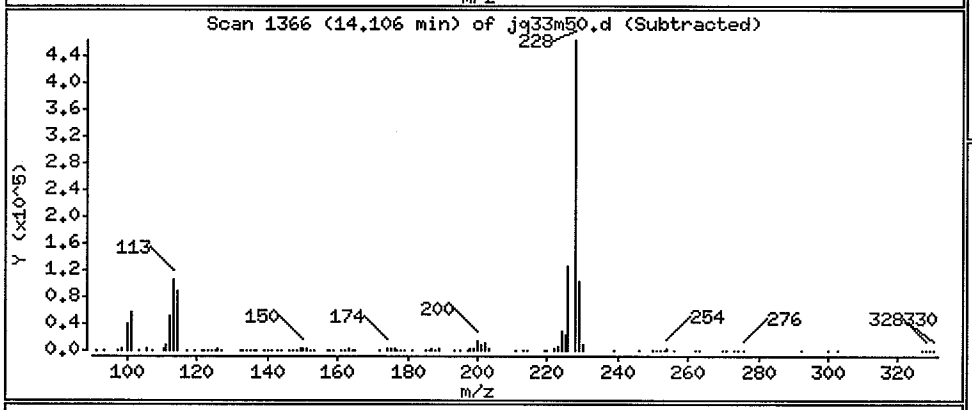
Column phase: ZB-5

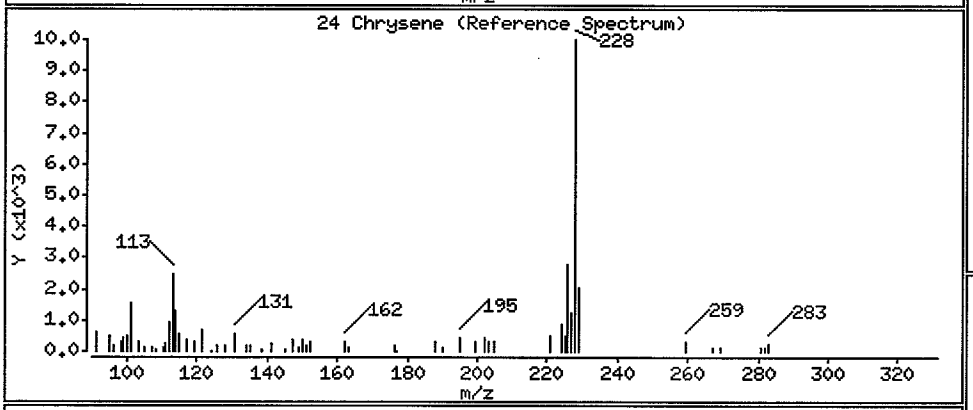
Column diameter: 0.25

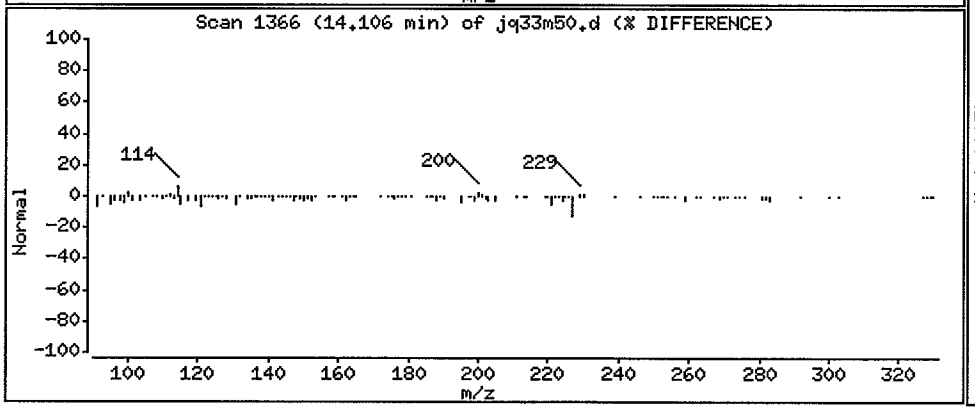
24 Chrysene

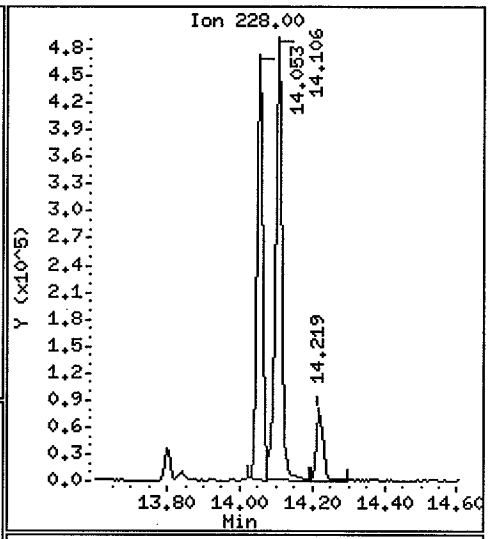
Concentration: 13940 ug/kg

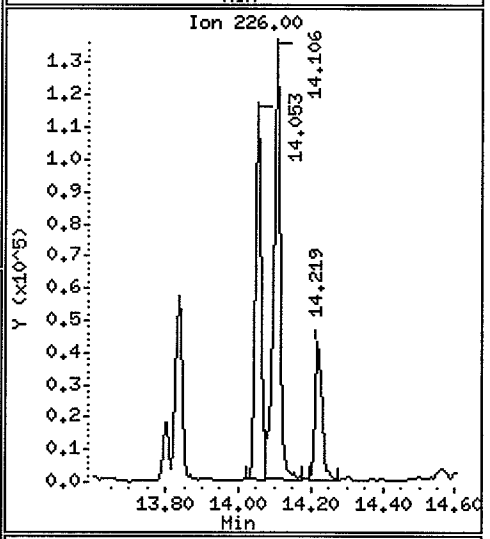


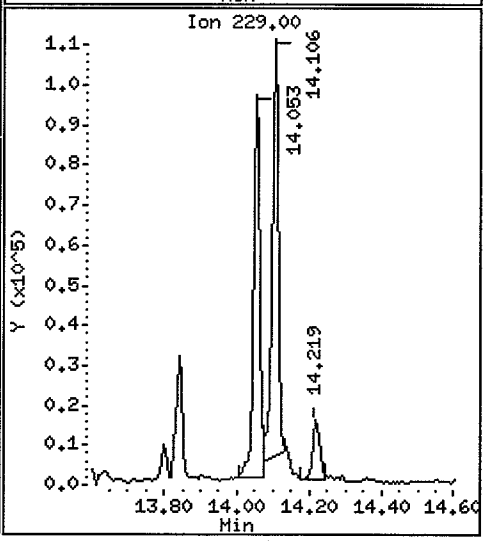












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

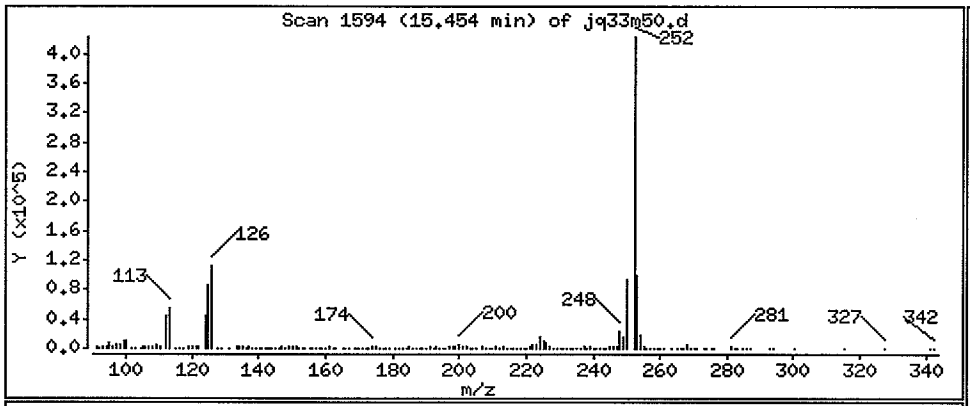
Operator: VTS

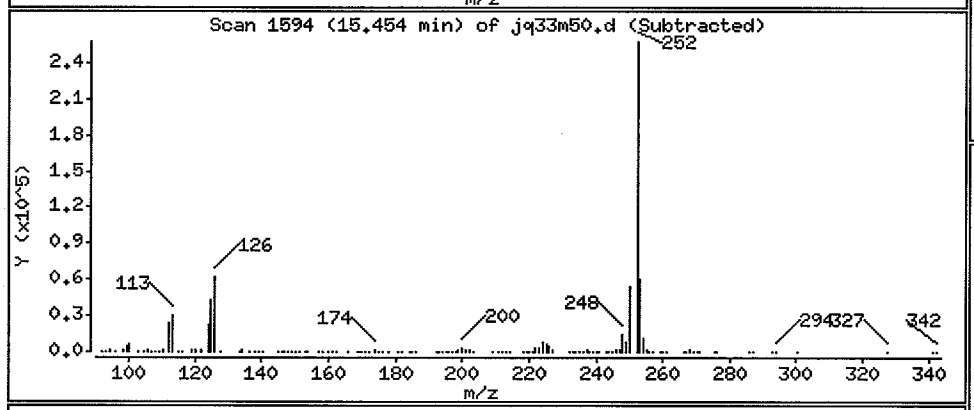
Column phase: ZB-5

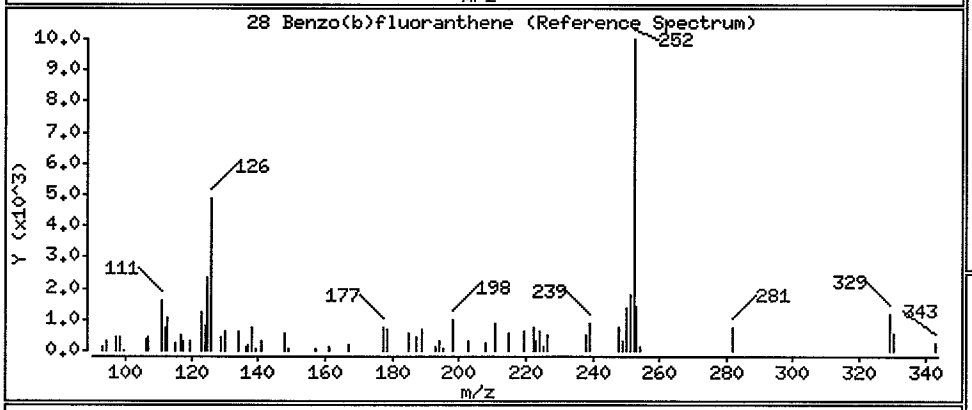
Column diameter: 0.25

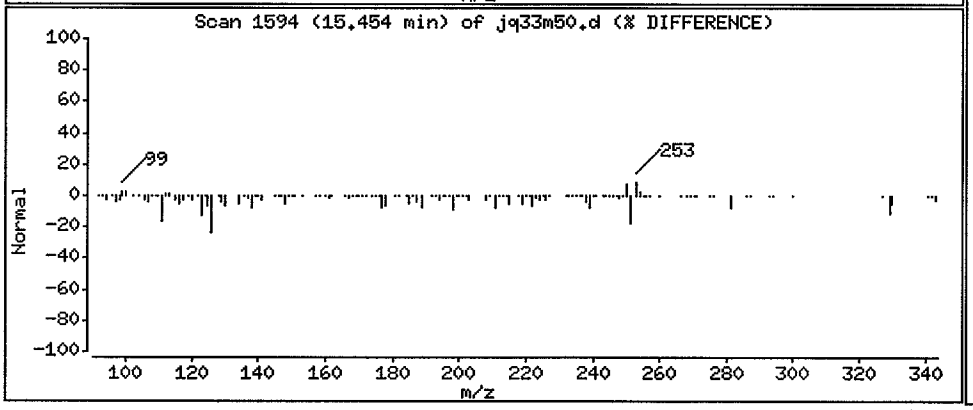
28 Benzo(b)fluoranthene

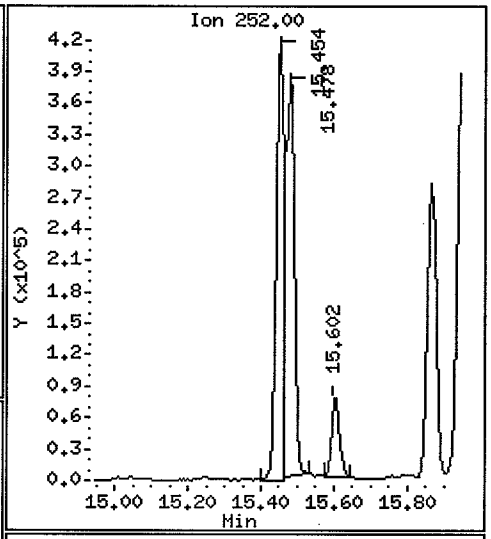
Concentration: 15290 ug/kg

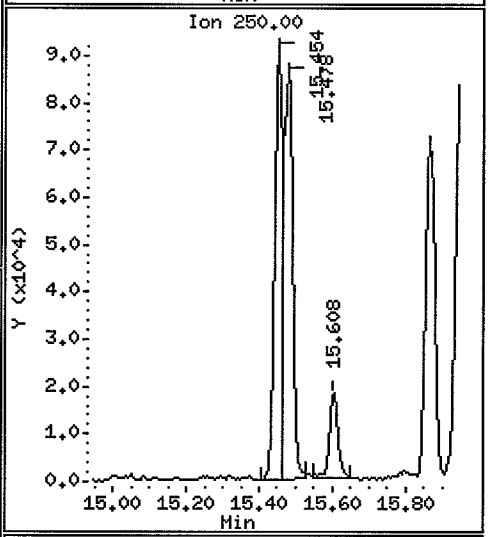


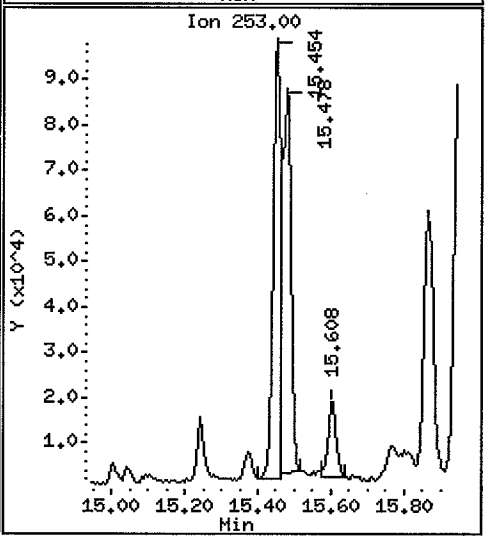












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

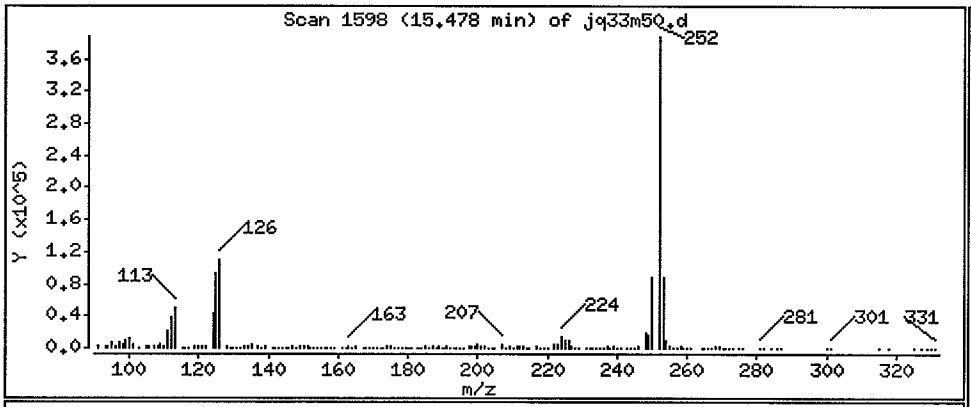
Operator: VTS

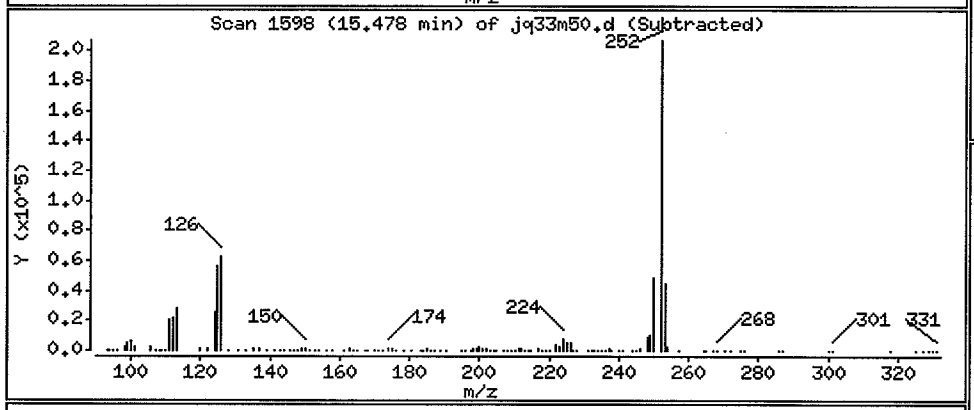
Column phase: ZB-5

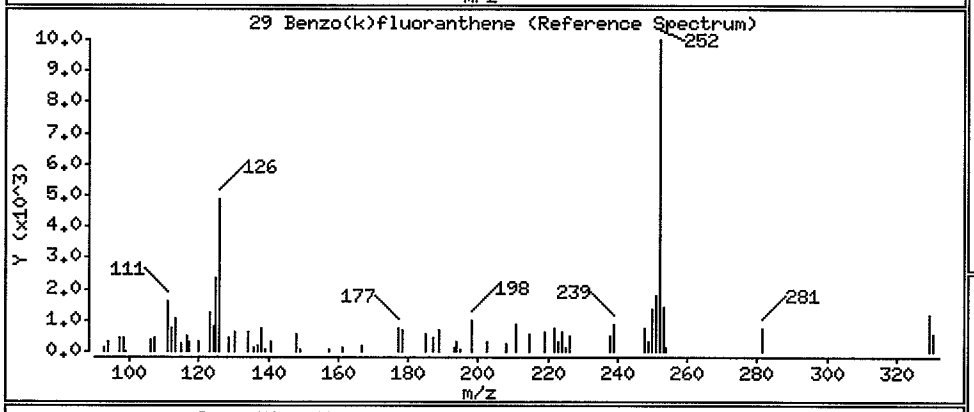
Column diameter: 0.25

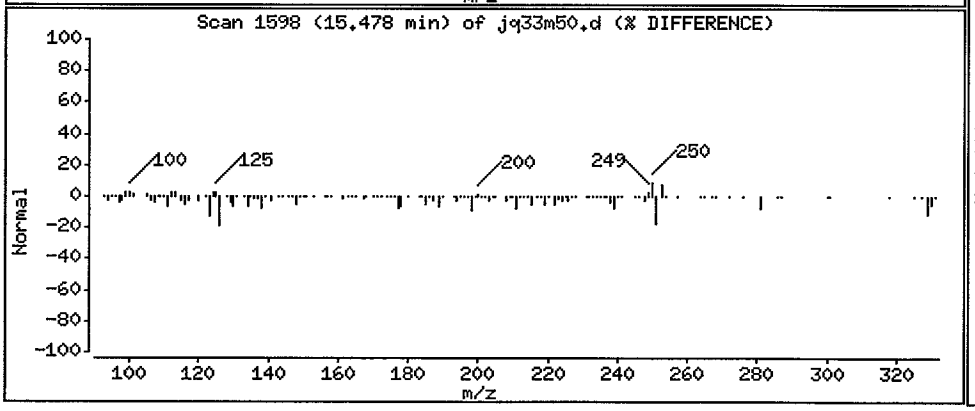
29 Benzo(k)fluoranthene

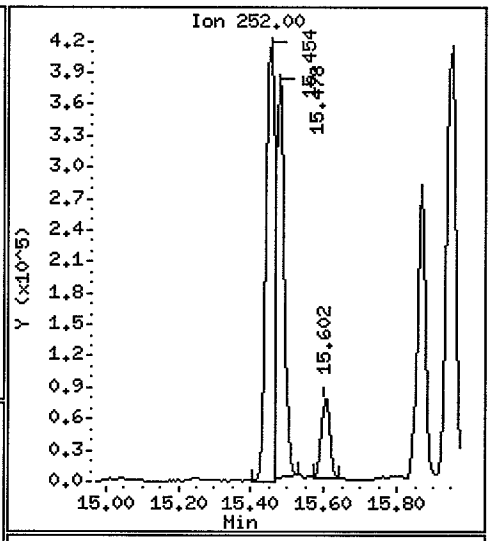
Concentration: 13740 ug/kg

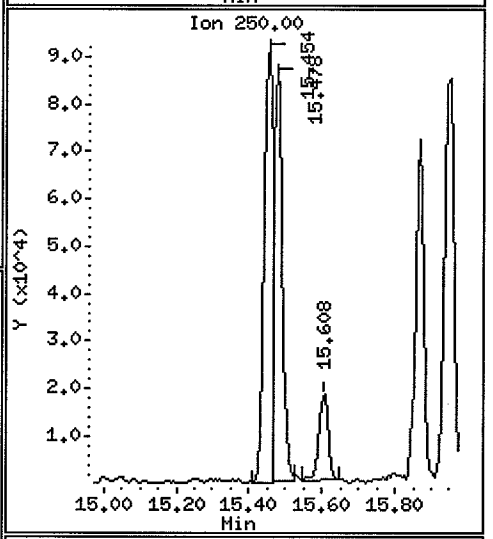


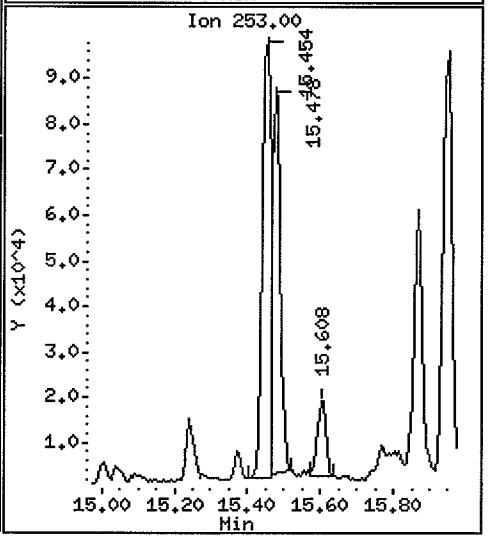












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

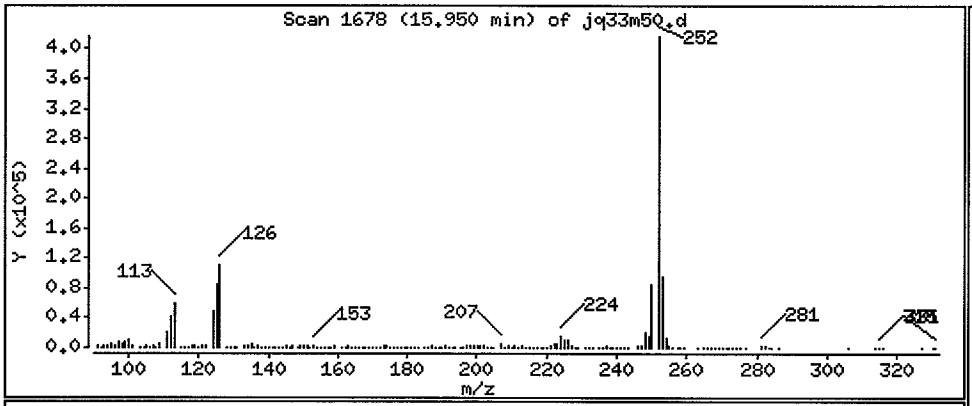
Operator: VTS

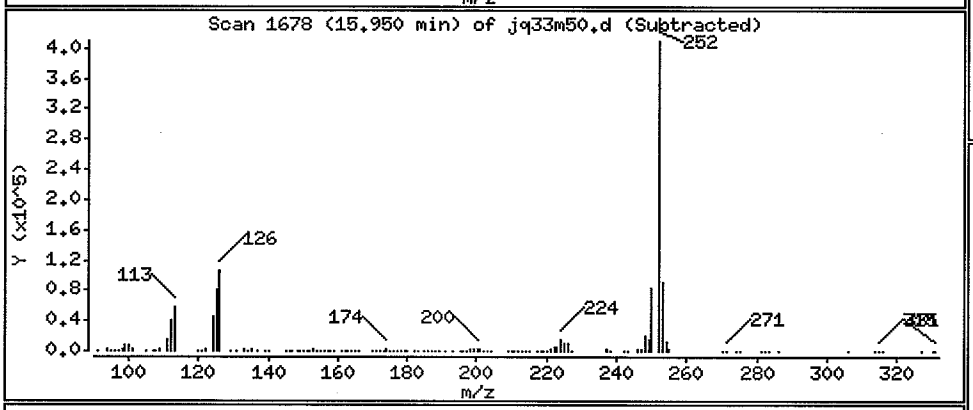
Column phase: ZB-5

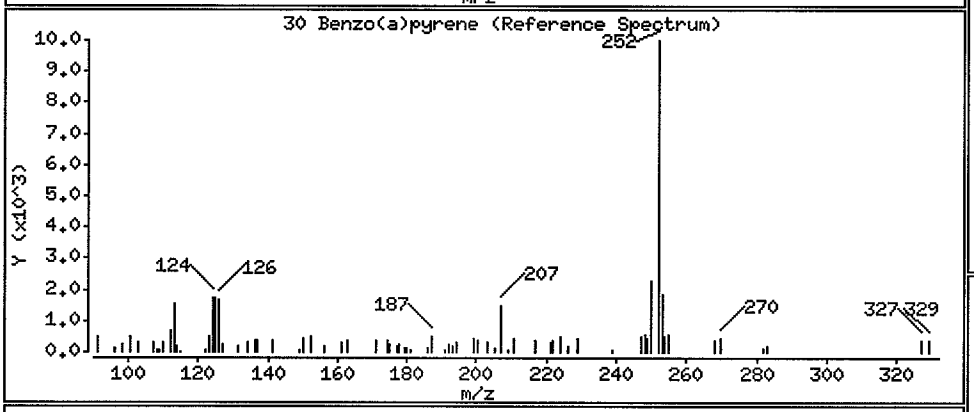
Column diameter: 0.25

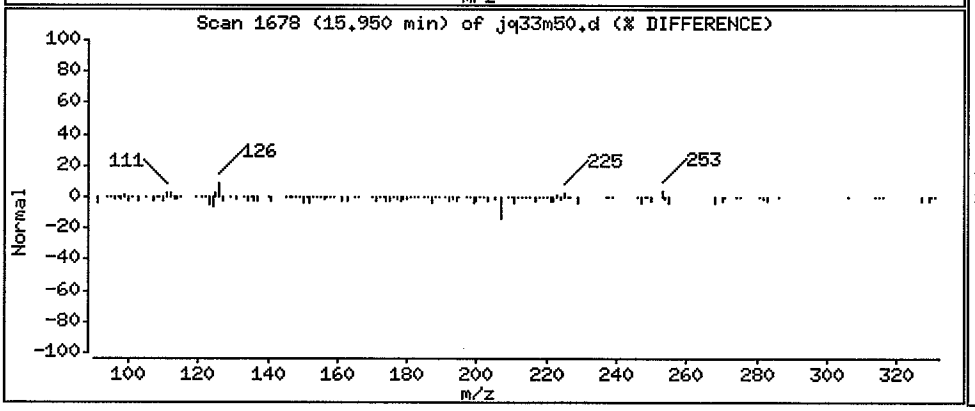
30 Benzo(a)pyrene

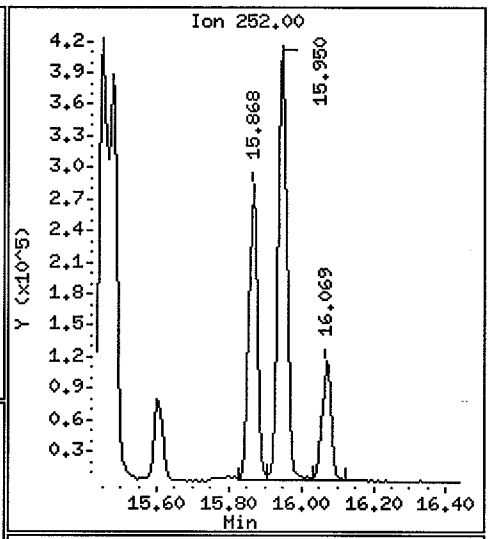
Concentration: 15960 ug/kg

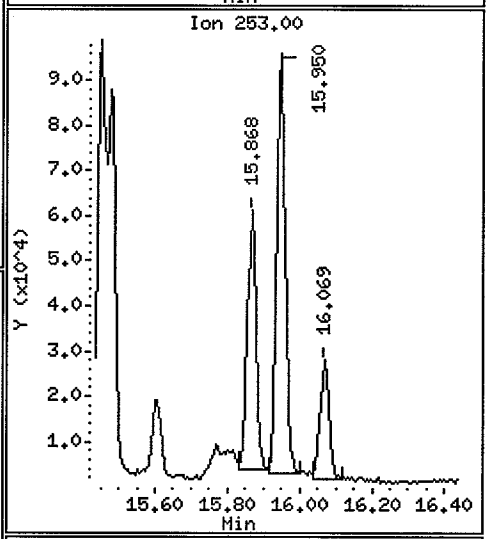


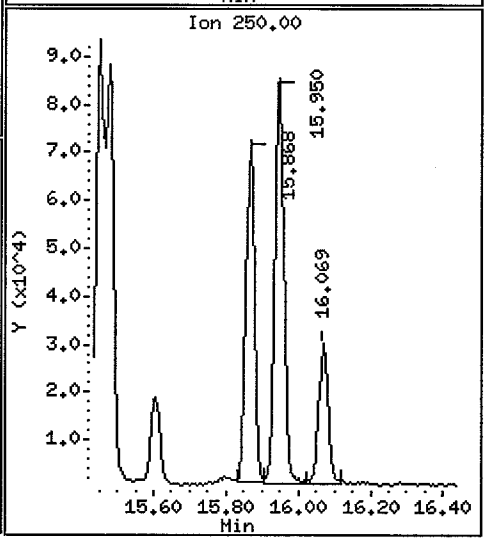












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

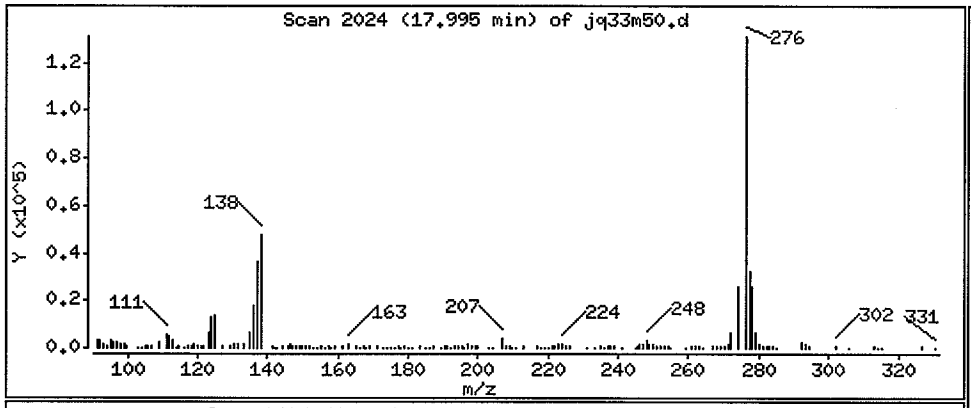
Operator: VTS

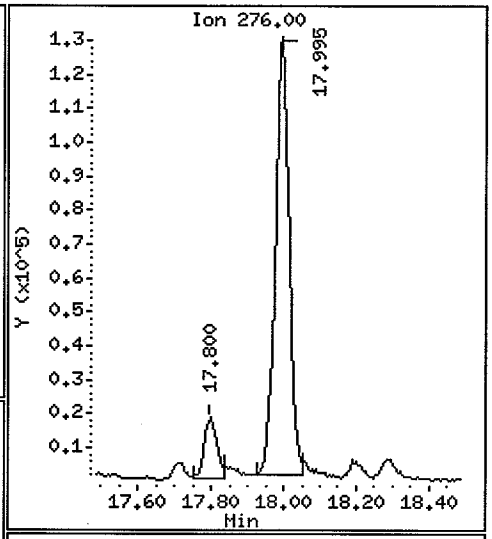
Column phase: ZB-5

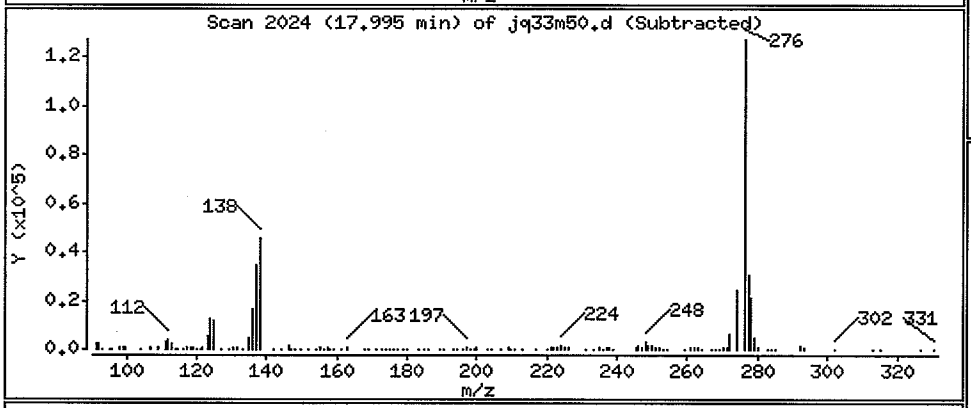
Column diameter: 0.25

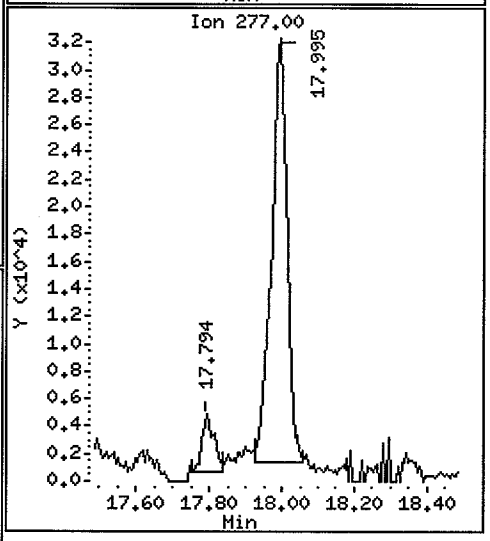
33 Indeno(1,2,3-cd)pyrene

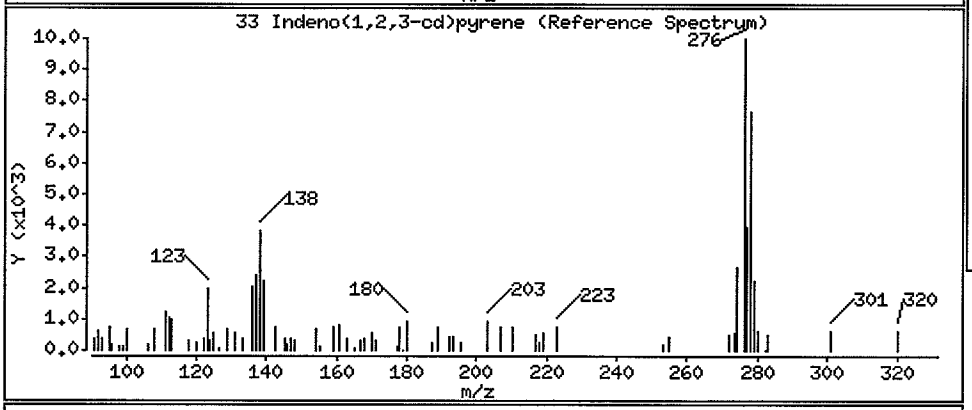
Concentration: 6865 ug/kg

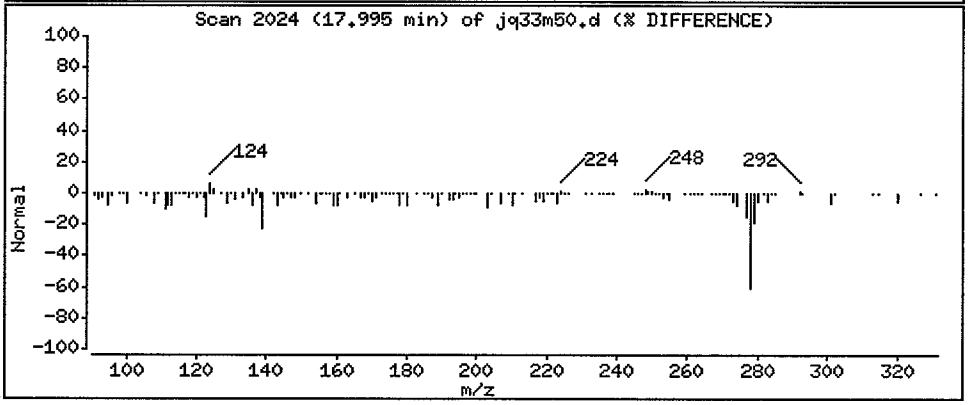












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

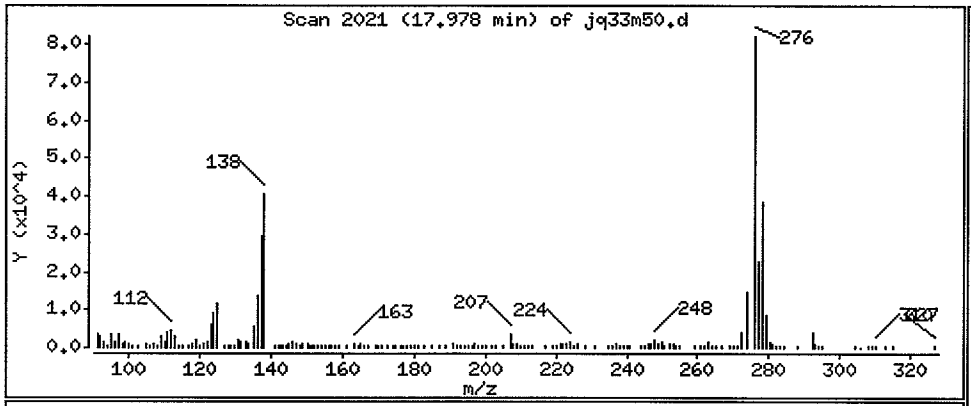
Operator: VTS

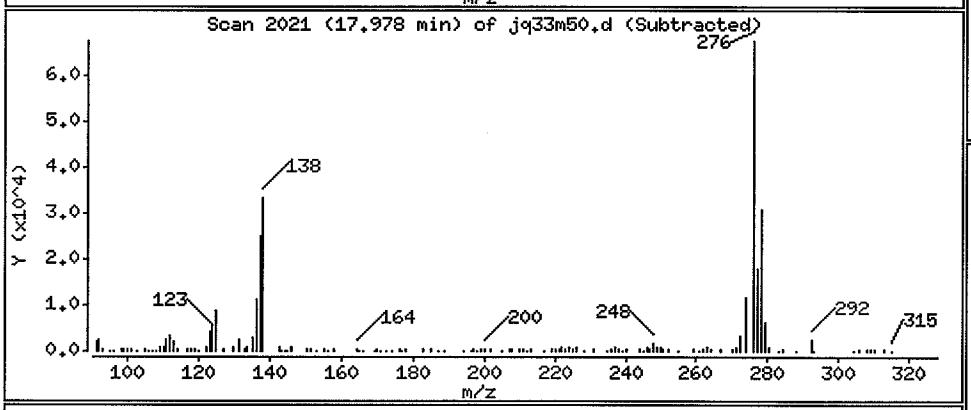
Column phase: ZB-5

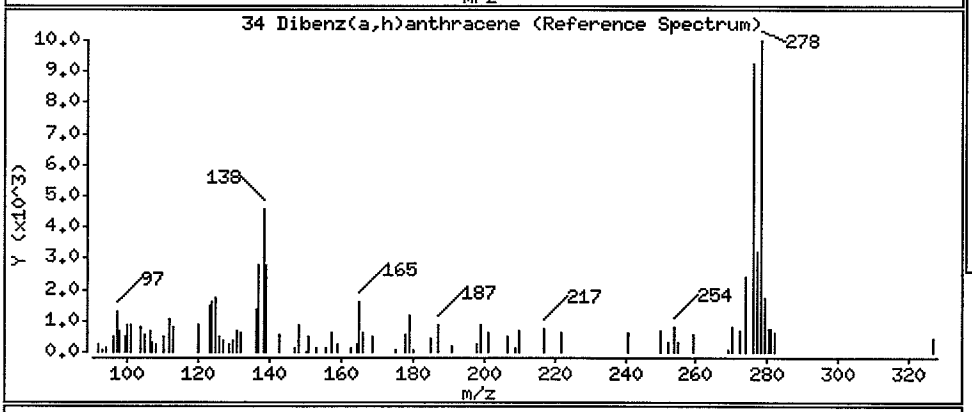
Column diameter: 0.25

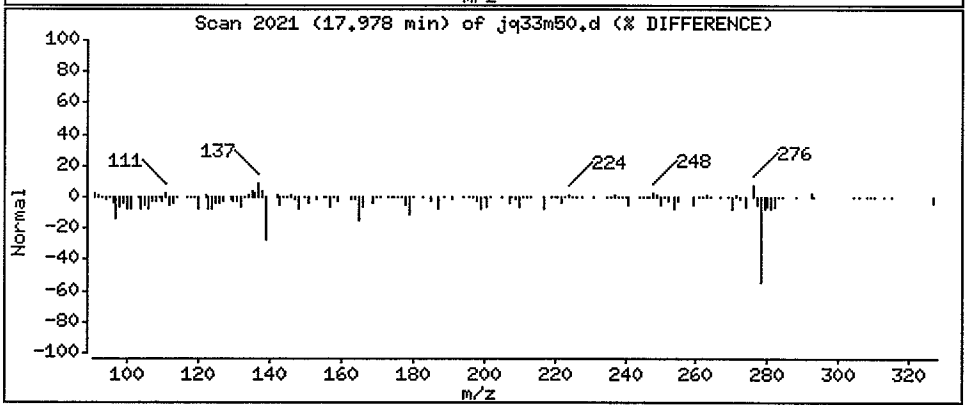
34 Dibenz(a,h)anthracene

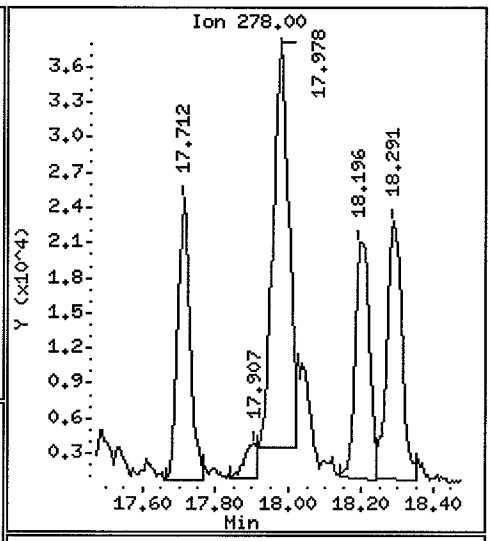
Concentration: 2512 ug/kg

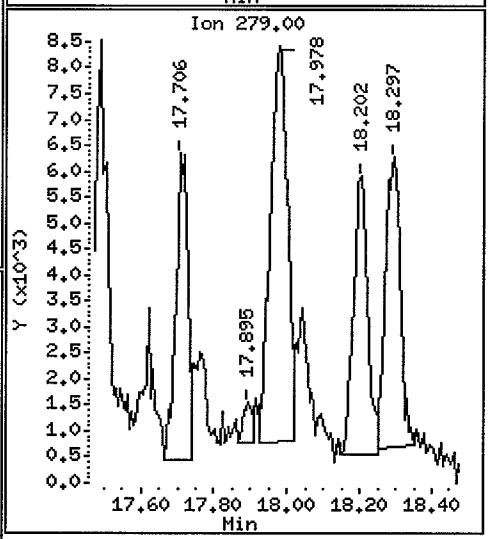












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

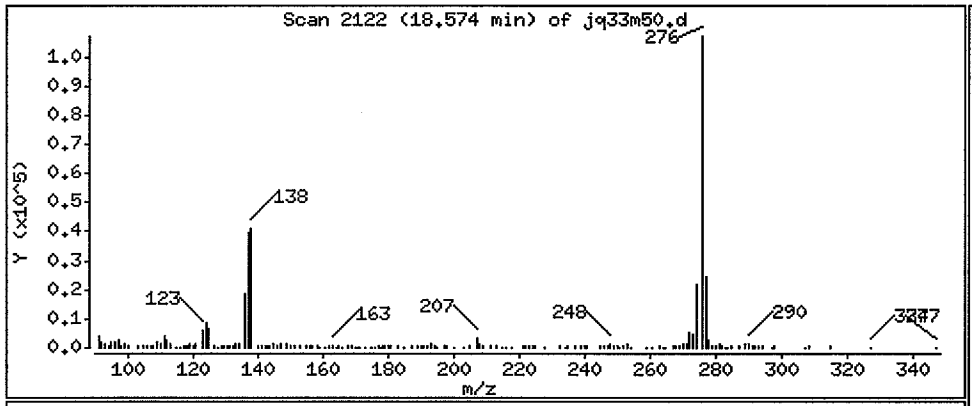
Operator: VTS

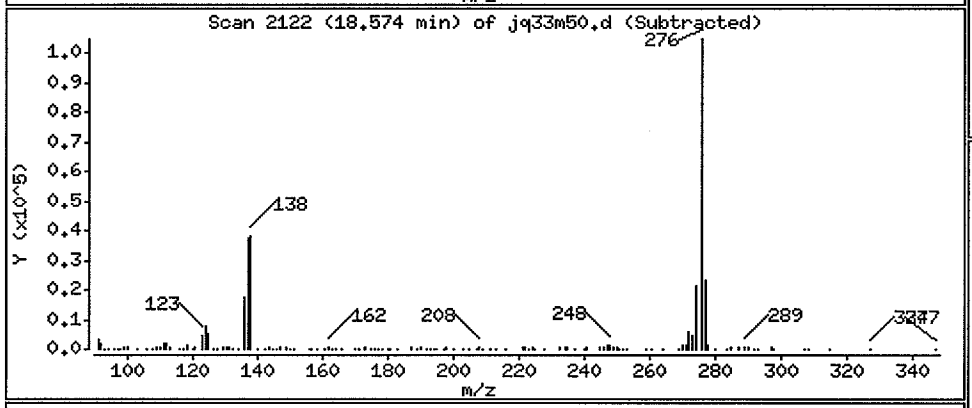
Column phase: ZB-5

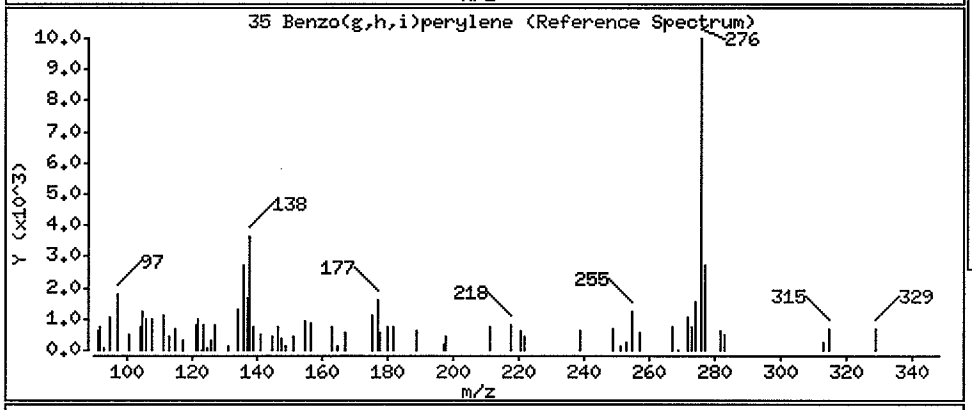
Column diameter: 0.25

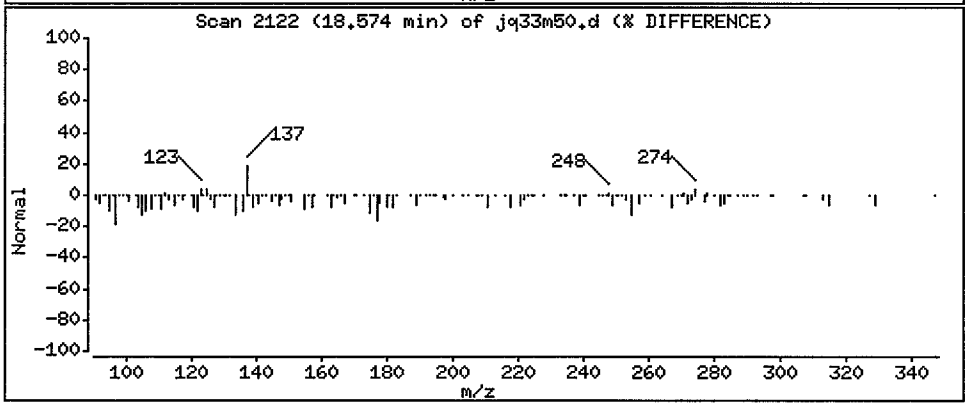
35 Benzo(g,h,i)perylene

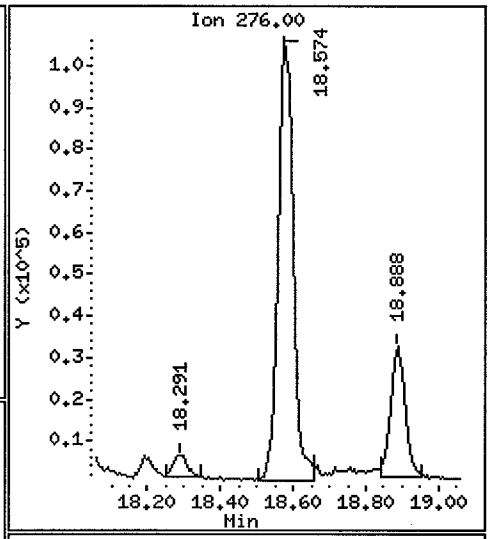
Concentration: 7308 ug/kg

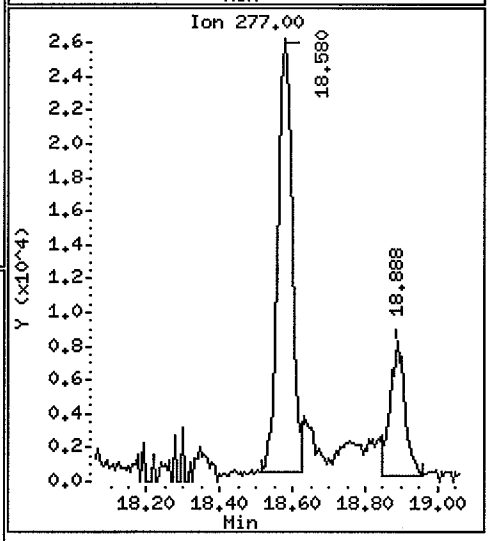












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

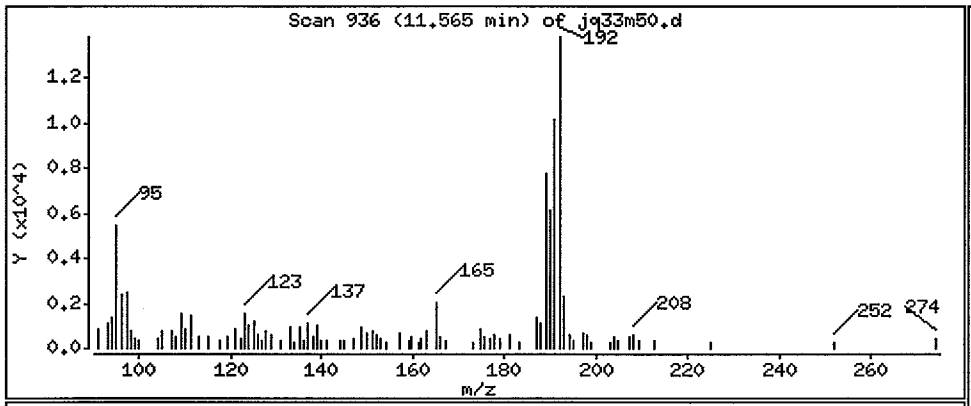
Operator: VTS

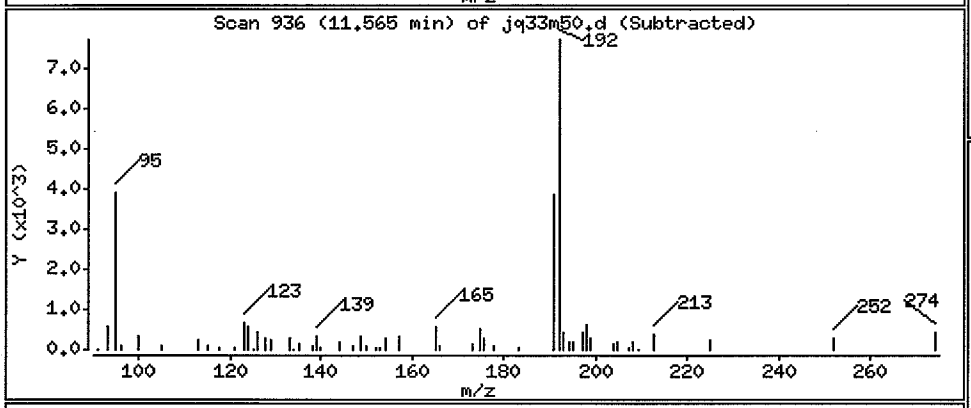
Column phase: ZB-5

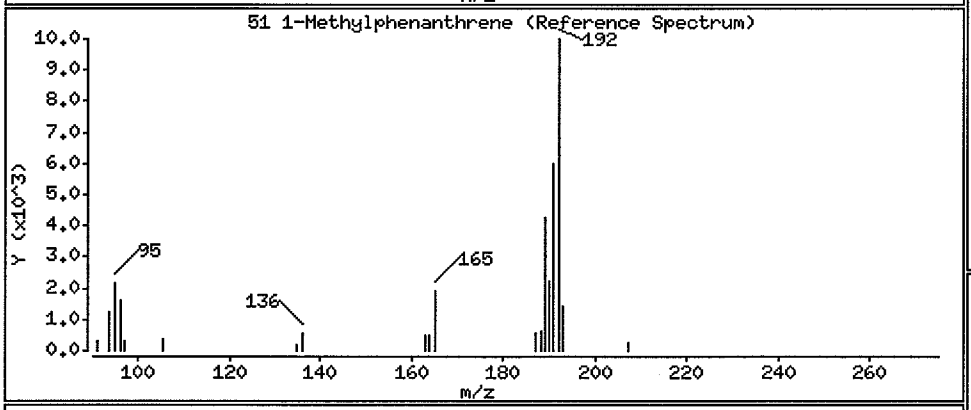
Column diameter: 0.25

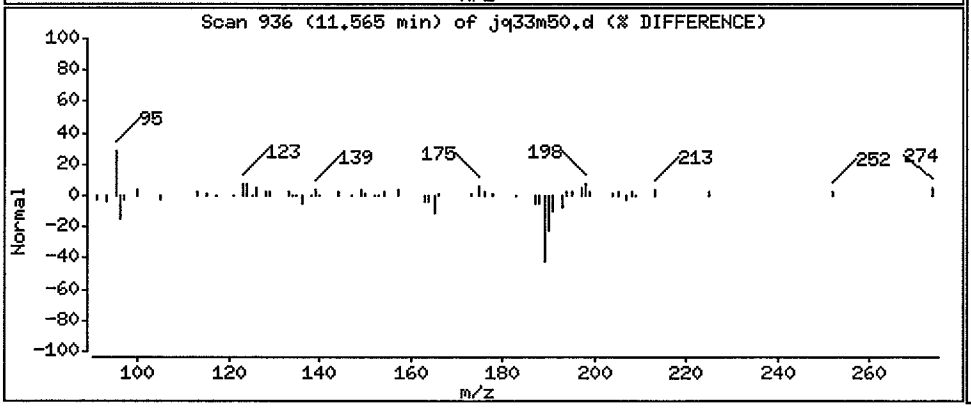
51 1-Methylphenanthrene

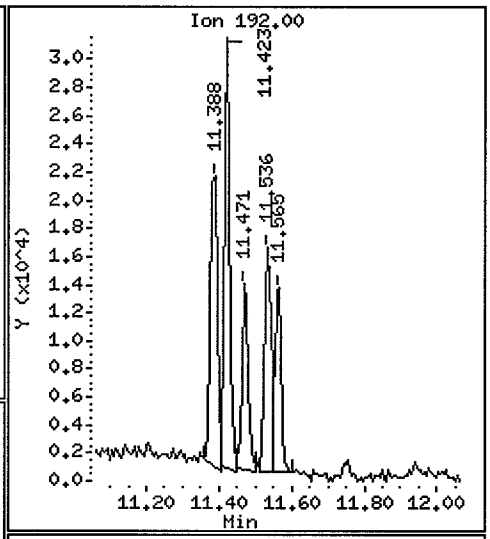
Concentration: 554.4 ug/kg

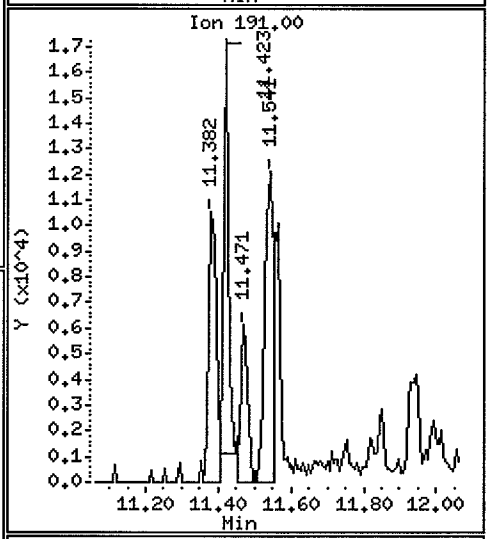


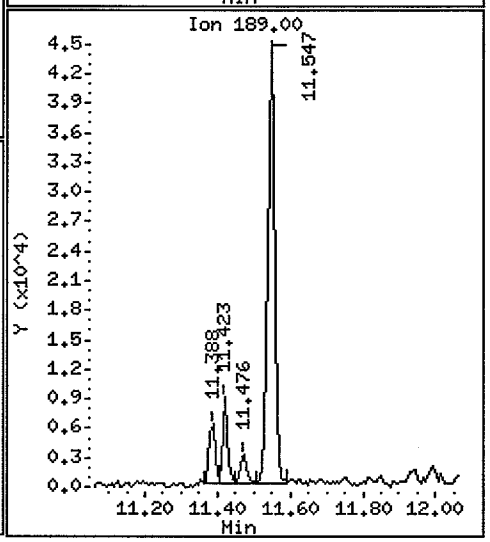












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

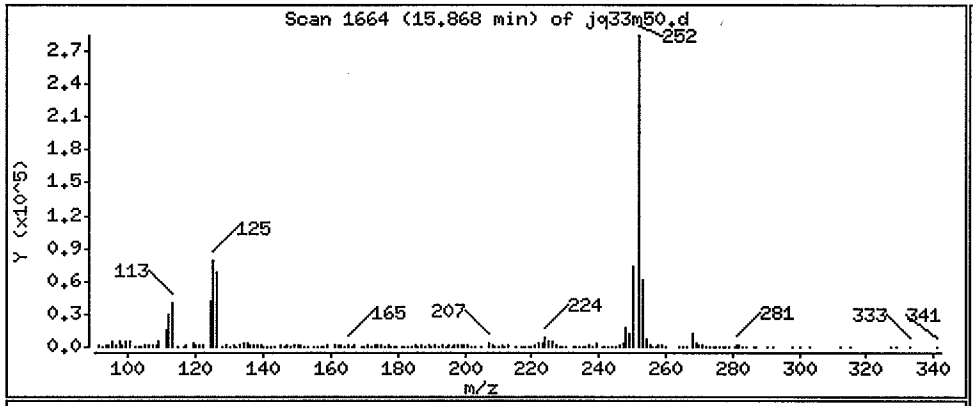
Operator: VTS

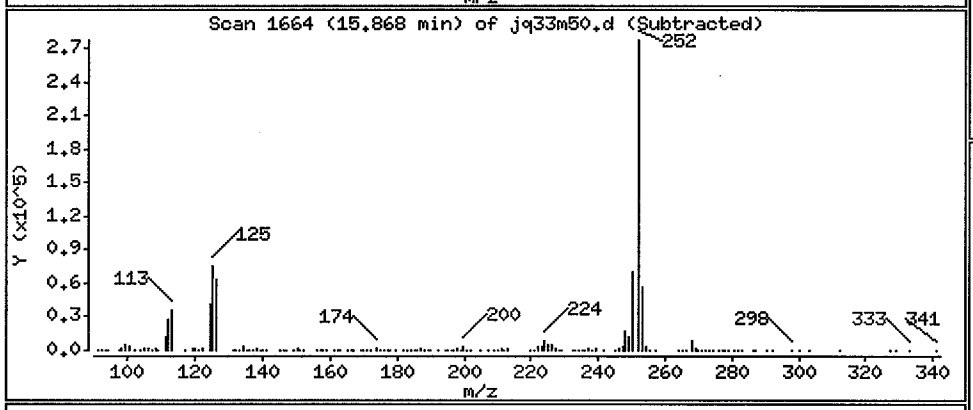
Column phase: ZB-5

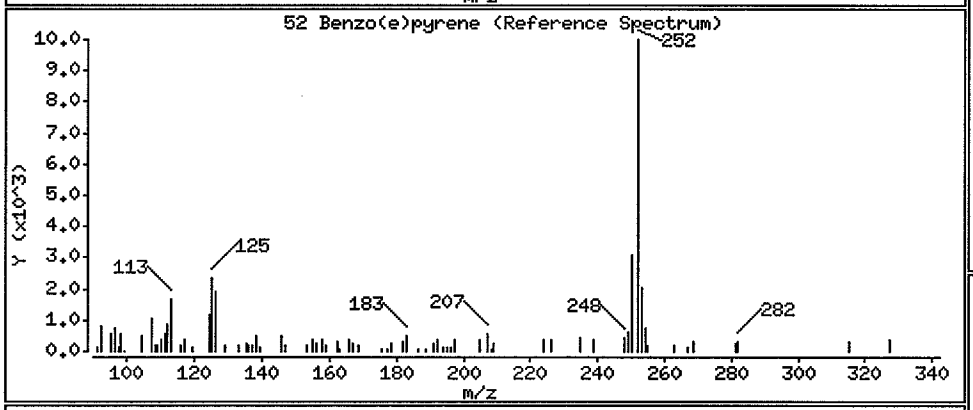
Column diameter: 0.25

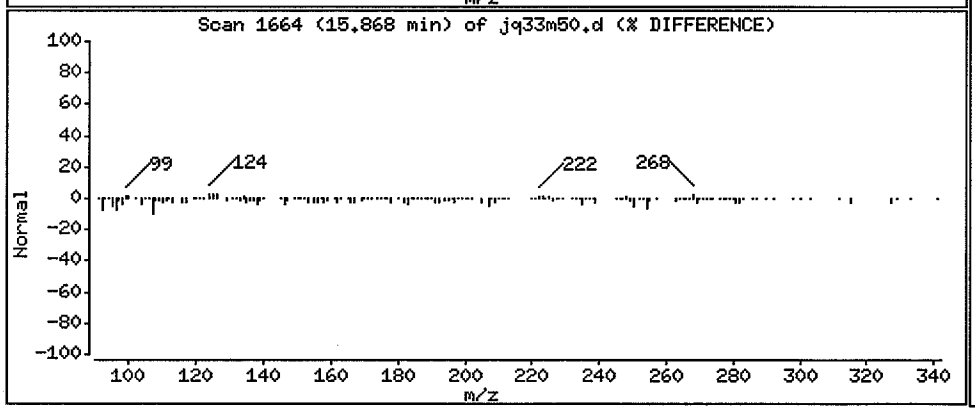
52 Benzo(e)pyrene

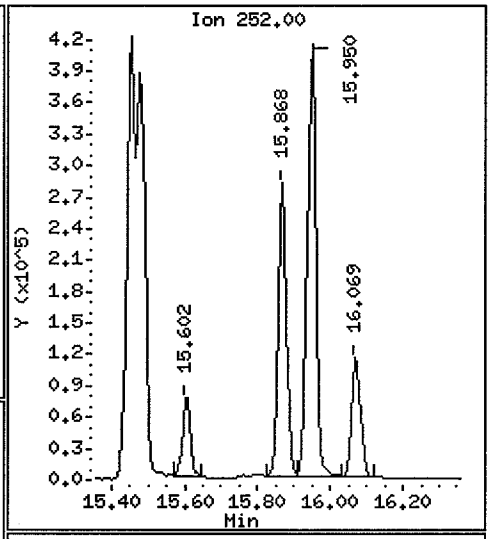
Concentration: 9540 ug/kg

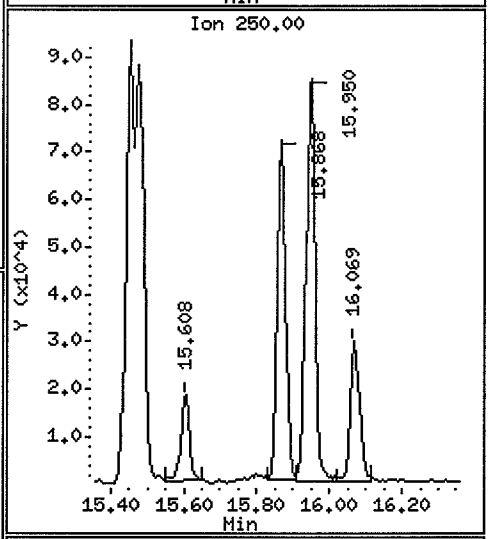


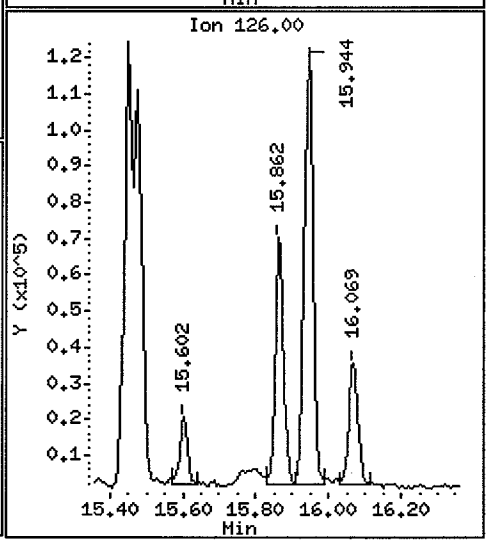












Data File: /chem3/nt1.i/20060804.b/jq33m50.d

Date : 04-AUG-2006 20:19

Client ID: T4-S3-01-D

Instrument: nt1.i

Sample Info: JQ33M,50

Volume Injected (uL): 1.0

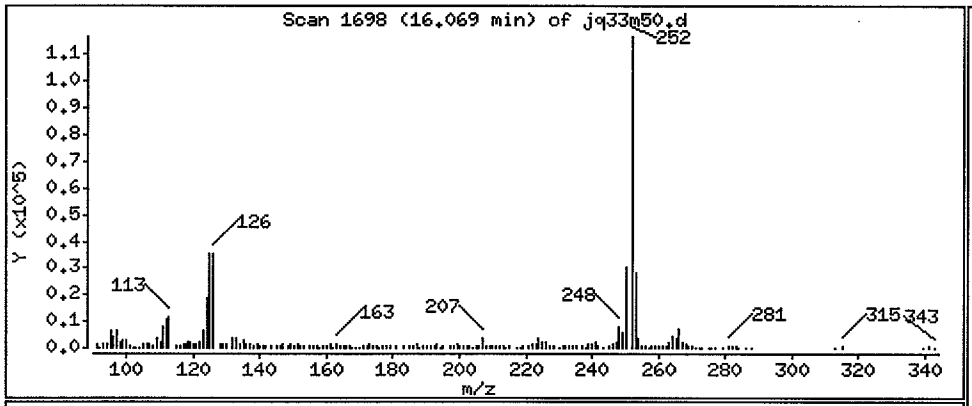
Operator: VTS

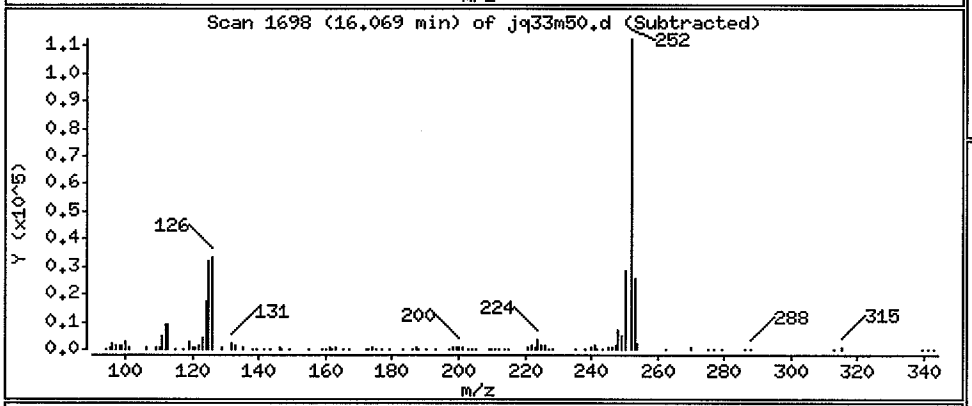
Column phase: ZB-5

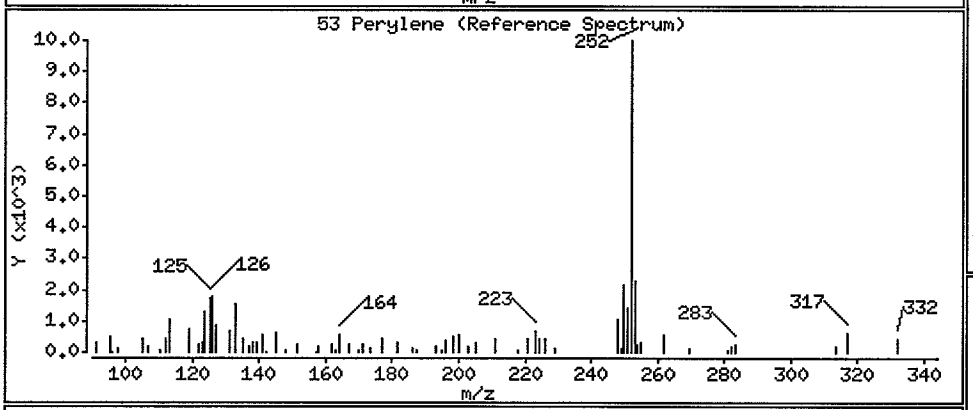
Column diameter: 0.25

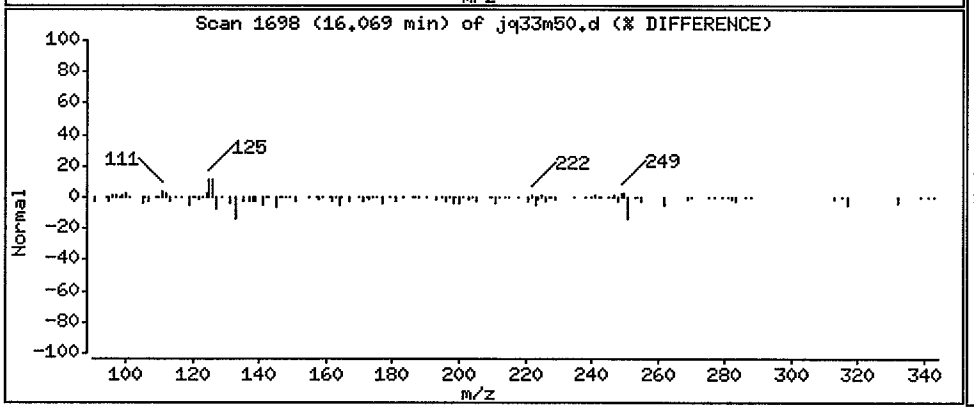
53 Perylene

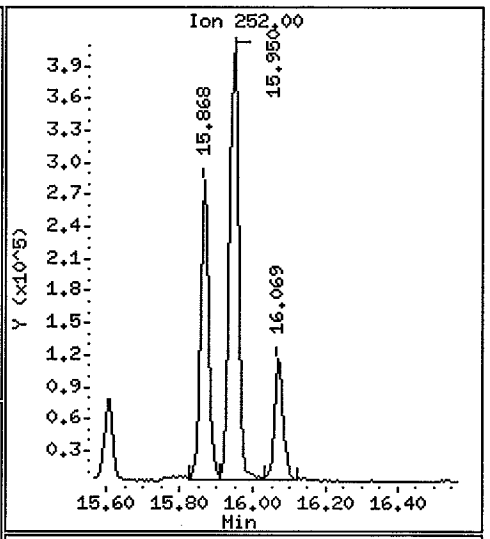
Concentration: 4310 ug/kg

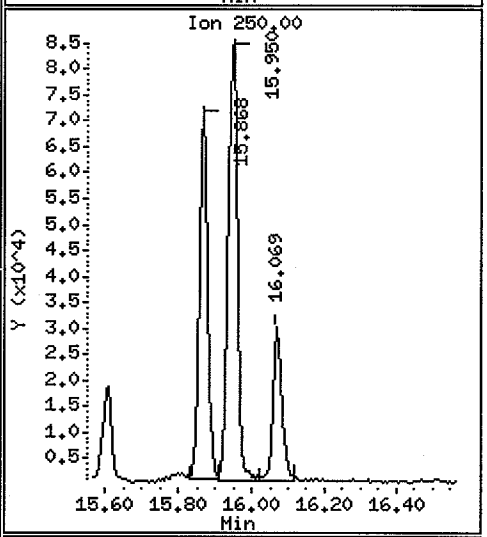


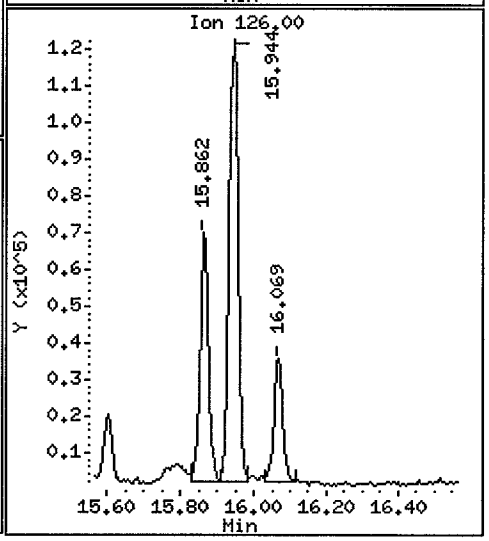












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-01-E
SAMPLE

Lab Sample ID: JQ33N
LIMS ID: 06-12936
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/07/06 17:03
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.3 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 48.8%
pH: 6.9

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	48	720	
91-57-6	2-Methylnaphthalene	48	420	
90-12-0	1-Methylnaphthalene	48	190	
208-96-8	Acenaphthylene	48	73	
83-32-9	Acenaphthene	48	5,000	E
86-73-7	Fluorene	48	2,000	
85-01-8	Phenanthrene	48	16,000	EB
120-12-7	Anthracene	48	4,300	
206-44-0	Fluoranthene	48	32,000	E
129-00-0	Pyrene	48	26,000	E
56-55-3	Benzo(a)anthracene	48	22,000	E
218-01-9	Chrysene	48	24,000	E
205-99-2	Benzo(b)fluoranthene	48	34,000	E
207-08-9	Benzo(k)fluoranthene	48	20,000	E
50-32-8	Benzo(a)pyrene	48	30,000	E
193-39-5	Indeno(1,2,3-cd)pyrene	48	12,000	E
53-70-3	Dibenz(a,h)anthracene	48	4,300	
191-24-2	Benzo(g,h,i)perylene	48	12,000	E
198-55-0	Perylene	49	8,900	E
92-52-4	Biphenyl	49	78	
581-42-0	2,6-Dimethylnaphthalene	48	150	
832-69-9	1-Methylphenanthrene	48	950	
192-97-2	Benzo(e)pyrene	48	18,000	E
2245-38-7	2,3,5-Trimethylnaphthalene	48	150	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	65.3%
d14-Dibenzo(a,h)anthracen	76.7%

YZ 8/8/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq33n.d
Lab Smp Id: JQ33N Client Smp ID: T4-S3-01-E
Inj Date : 07-AUG-2006 17:03
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33N,10
Misc Info : 06-12936
Comment : 1ul Injection
Method : /chem3/nt1.i/20060807.b/simpna.m
Meth Date : 07-Aug-2006 11:35 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 15
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	20.10000	Weight of sample extracted (g)
M	48.80000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.891	6.891	(1.000)	232216	2.00000	
	2 Naphthalene	128	6.915	6.915	(1.003)	172729	1.49125	724.5
$	3 2-Methylnaphthalene-d10	152	7.648	7.648	(1.110)	11725	0.19603	95.24
	4 2-Methylnaphthalene	142	7.683	7.683	(1.115)	59154	0.86237	419.0
	5 1-Methylnaphthalene	142	7.819	7.813	(1.135)	28659	0.39831	193.5
	7 Acenaphthylene	152	8.777	8.771	(0.980)	15624	0.15173	73.72
*	8 Acenaphthene-d10	164	8.954	8.954	(1.000)	124202	2.00000	
	9 Acenaphthene	153	8.995	8.989	(1.005)	629341	10.3196 E	5014
	10 Dibenzofuran	168	9.184	9.178	(1.026)	138365	1.54030	748.4
	11 Fluorene	166	9.604	9.604	(1.073)	293756	4.20065	2041
*	15 Phenanthrene-d10	188	10.768	10.762	(1.000)	206056	2.00000	
	16 Phenanthrene	178	10.804	10.792	(1.003)	3527574	33.3529 E B	16200
	17 Anthracene	178	10.857	10.851	(1.008)	942198	8.91431	4331
	19 Fluoranthene	202	12.305	12.287	(1.143)	6989987	64.7953 E	31480
	20 Pyrene	202	12.594	12.577	(0.894)	7168229	53.6016 E	26040

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
22	Benzo(a)anthracene	228	14.078	14.054	(0.999)	5643568	44.9999 E	21860
* 23	Chrysene-d12	240	14.096	14.078	(1.000)	208263	2.00000	
24	Chrysene	228	14.078	14.107	(0.999)	5643568	48.7880 E	23700
28	Benzo(b)fluoranthene	252	15.502	15.455	(0.965)	8029561	69.8980 E	33960
29	Benzo(k)fluoranthene	252	15.526	15.484	(0.967)	5029309	41.0662 E	19950(H)
30	Benzo(a)pyrene	252	16.005	15.951	(0.996)	6899676	61.6400 E	29950(H)
* 31	Perylene-d12	264	16.064	16.034	(1.000)	203544	2.00000	
33	Indeno(1,2,3-cd)pyrene	276	18.061	18.002	(1.124)	3130290	24.3176 E	11810
$ 32	Dibenz(a,h)anthrancene-d14	292	17.943	17.931	(1.117)	17905	0.22986	111.7(M)
34	Dibenz(a,h)anthracene	278	18.038	17.996	(1.123)	930028	8.84398	4297(H)
35	Benzo(g,h,i)perylene	276	18.652	18.581	(1.161)	2569027	24.0088 E	11660
48	Biphenyl	154	8.221	8.221	(0.918)	12556	0.16362	79.50
49	2,6-Dimethylnaphthalene	156	8.422	8.416	(0.941)	18760	0.31039	150.8
50	2,3,5-Trimethylnaphthalene	170	9.433	9.438	(1.053)	15458	0.31225	151.7
51	1-Methylphenanthrene	192	11.572	11.566	(0.821)	166782	1.95641	950.5
52	Benzo(e)pyrene	252	15.910	15.869	(0.990)	4559980	36.8028 E	17880
53	Perylene	252	16.111	16.075	(1.003)	2128154	18.2932 E	8888

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33n.d
Lab Smp Id: JQ33N
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12936

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-01-E
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	232216	0.51
8 Acenaphthene-d10	129131	64566	258262	124202	-3.82
15 Phenanthrene-d10	212850	106425	425700	206056	-3.19
23 Chrysene-d12	190817	95408	381634	208263	9.14
31 Perylene-d12	197592	98796	395184	203544	3.01

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.89	6.39	7.39	6.89	0.00
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	0.00
15 Phenanthrene-d10	10.76	10.26	11.26	10.77	0.06
23 Chrysene-d12	14.08	13.58	14.58	14.10	0.13
31 Perylene-d12	16.03	15.53	16.53	16.06	0.18

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33N
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12936

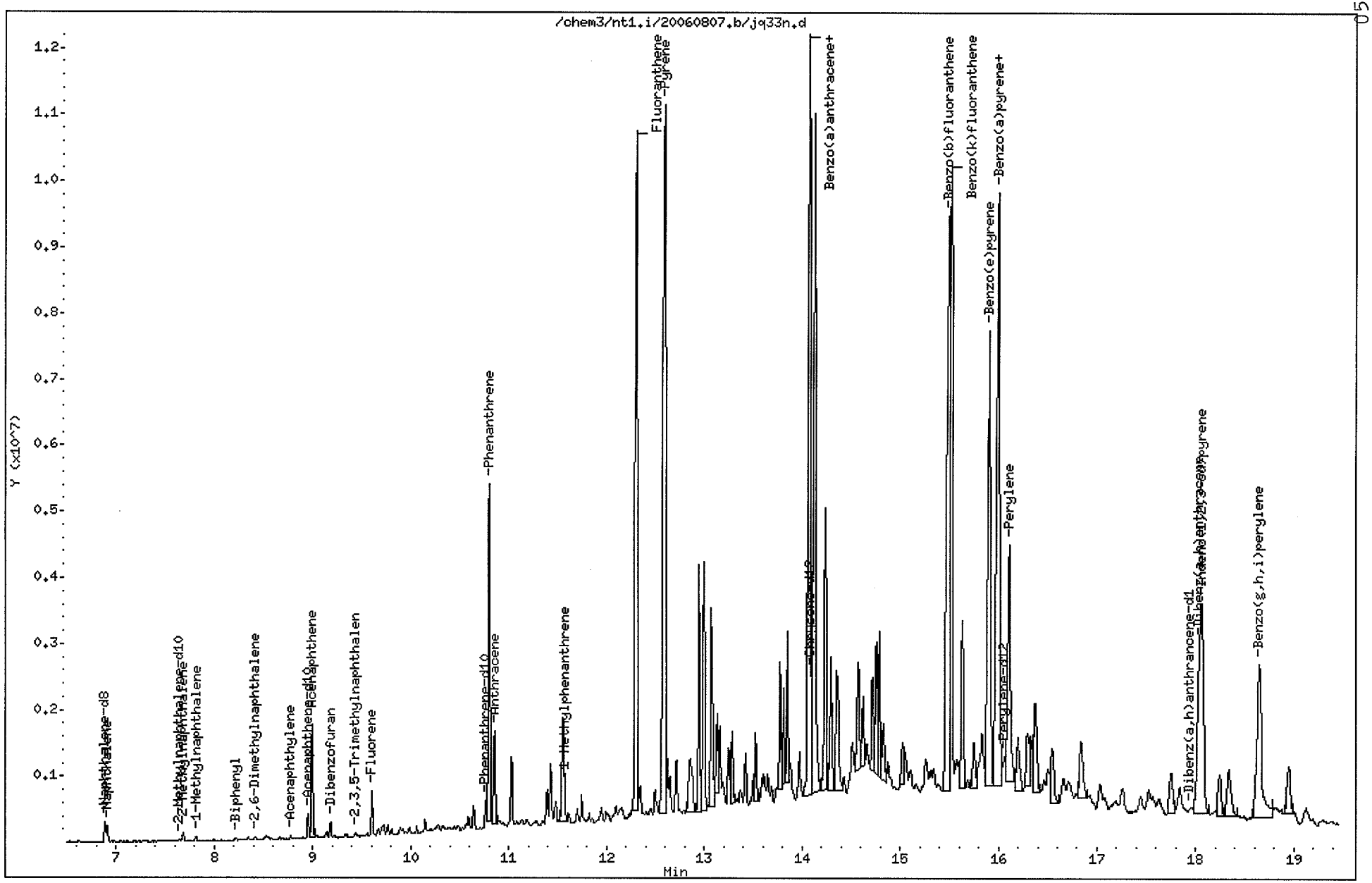
Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-S3-01-E
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	145.8	95.24	65.34	32-97
$ 32 Dibenz(a,h)anthran	145.8	111.7	76.62	21-105

Data File: /chem3/nt1.i/20060807.b/jq33n.d
Date : 07-AUG-2006 17:03
Client ID: T4-S3-01-E
Sample Info: JQ33N,10
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25

0590



Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

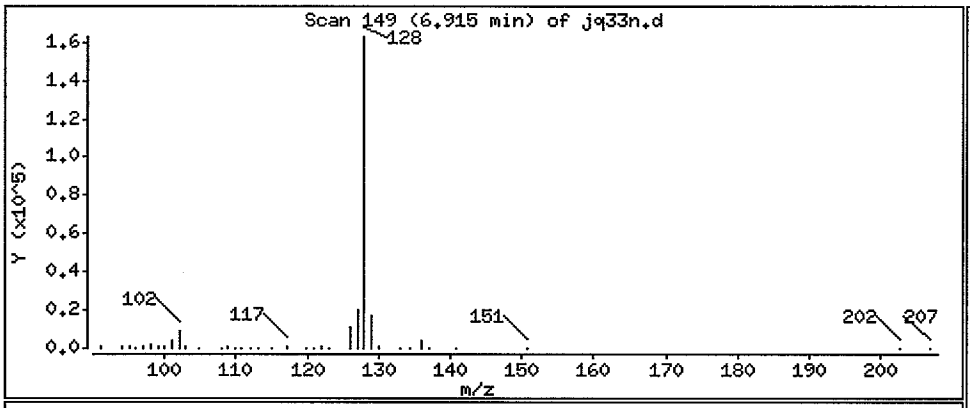
Operator: VTS

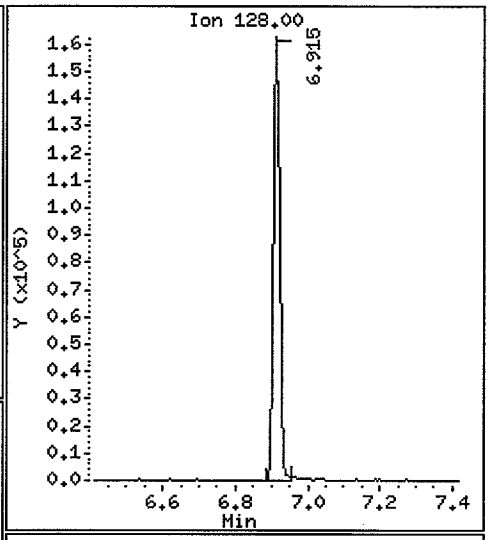
Column phase: ZB-5

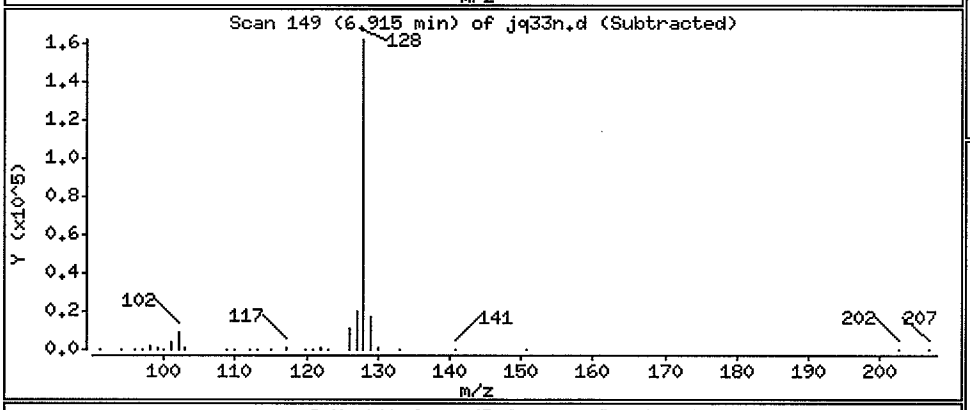
Column diameter: 0.25

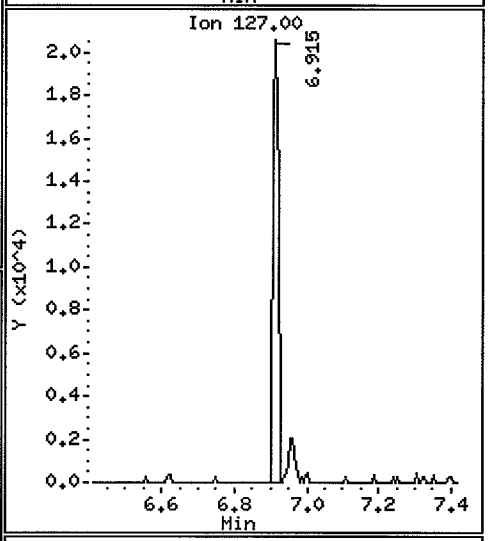
2 Naphthalene

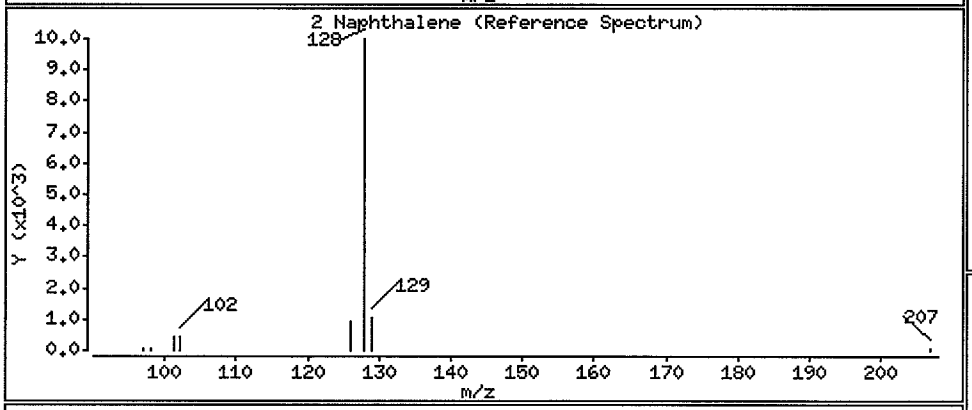
Concentration: 724.5 ug/kg

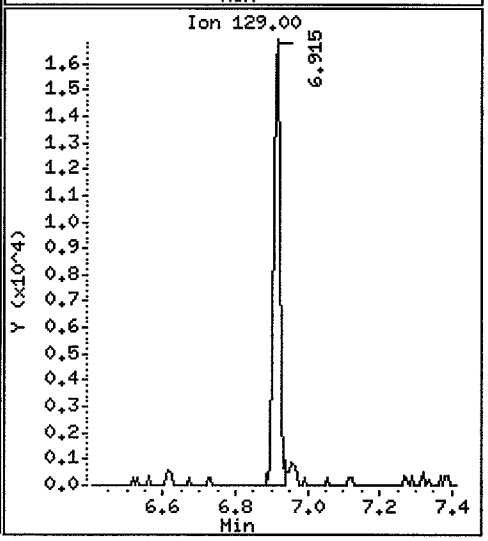


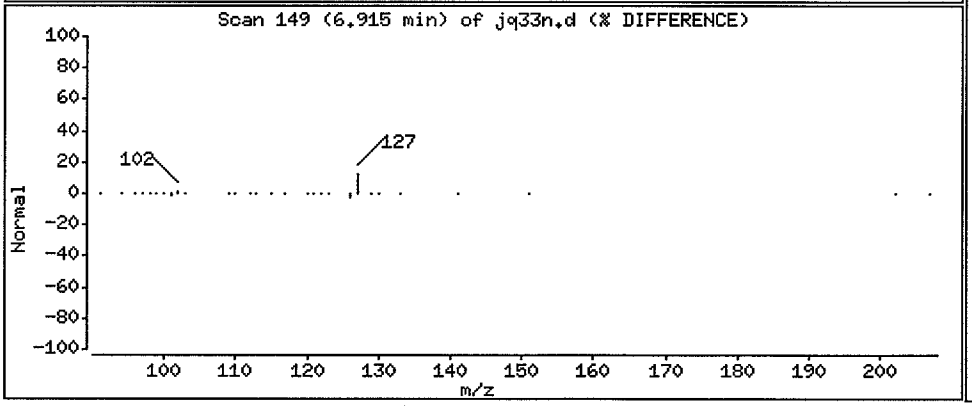












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

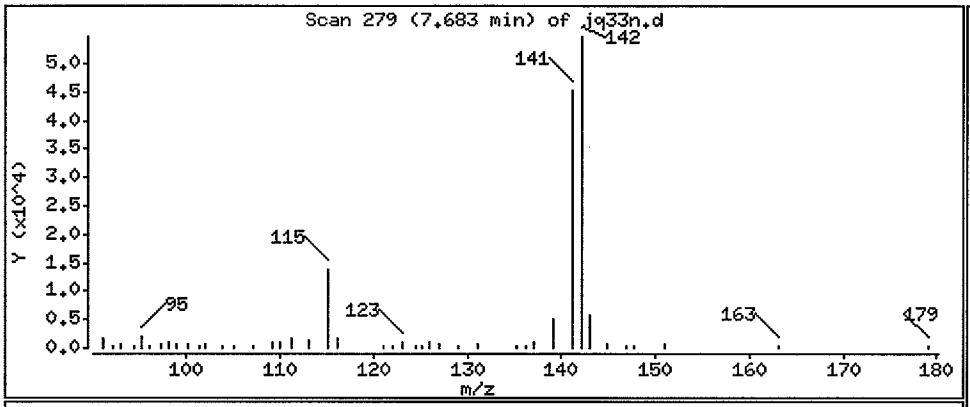
Operator: VTS

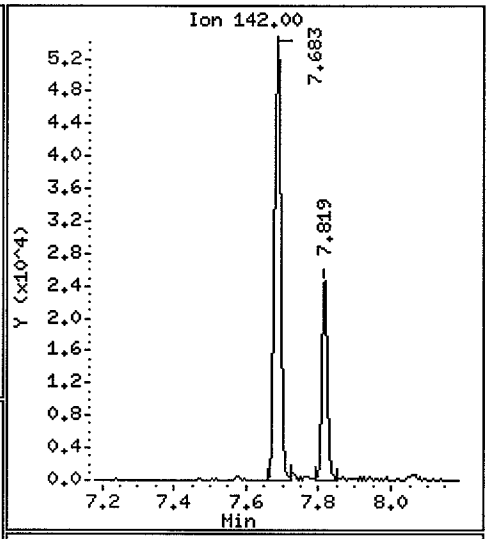
Column phase: ZB-5

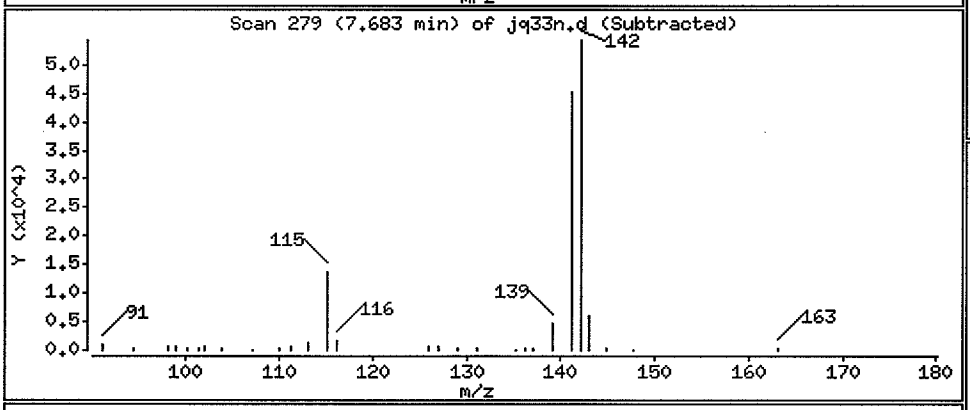
Column diameter: 0.25

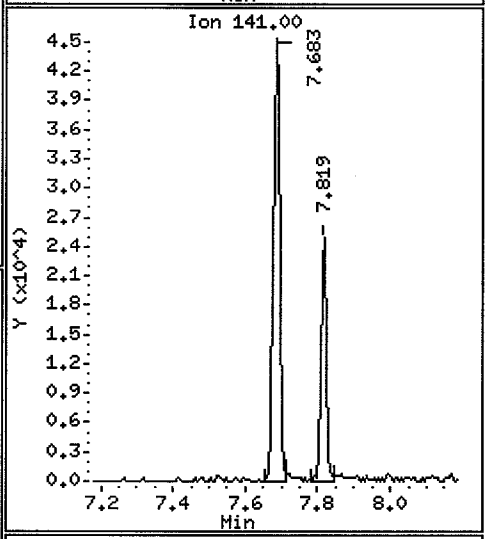
4 2-Methylnaphthalene

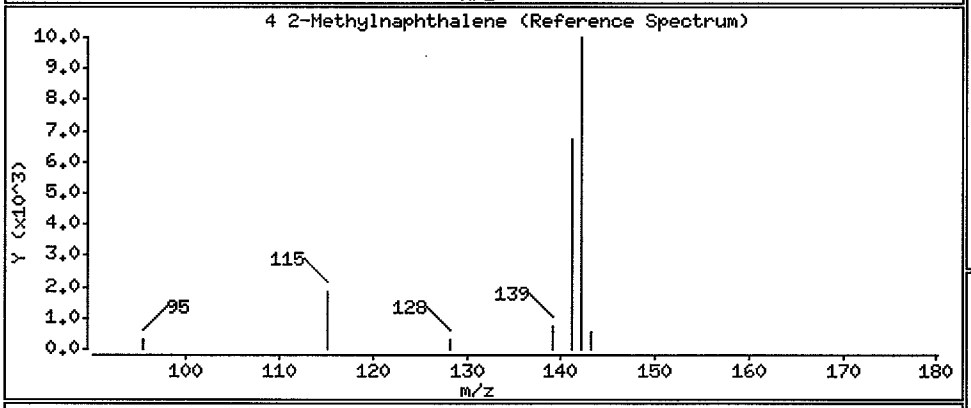
Concentration: 419.0 ug/kg

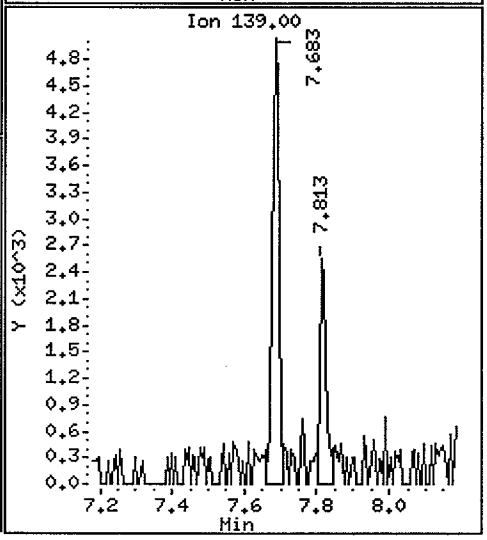


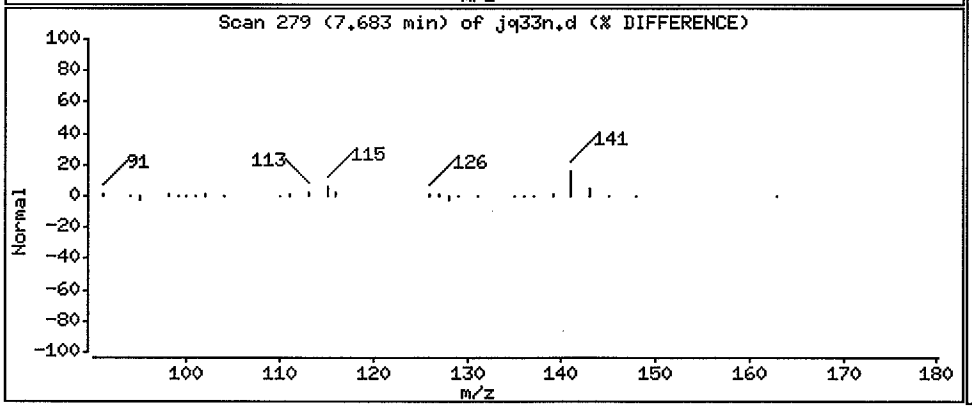












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

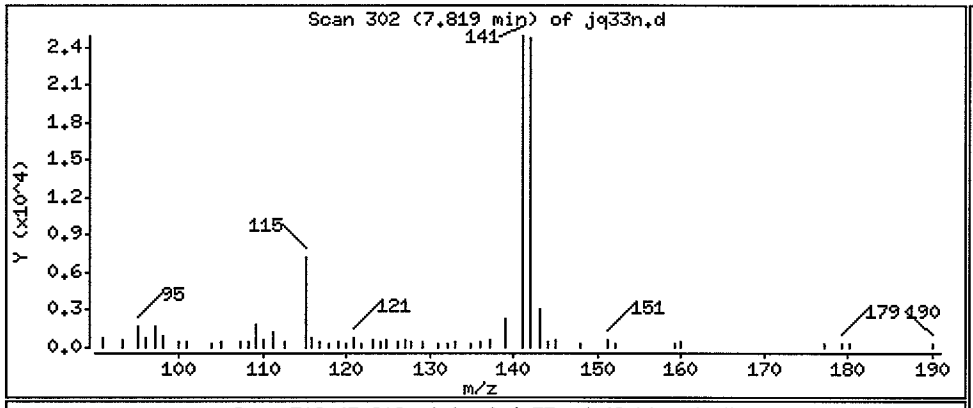
Operator: VTS

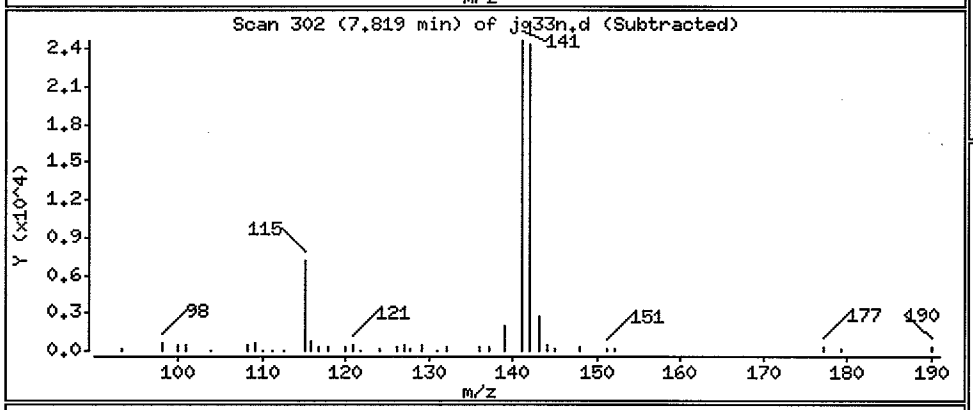
Column phase: ZB-5

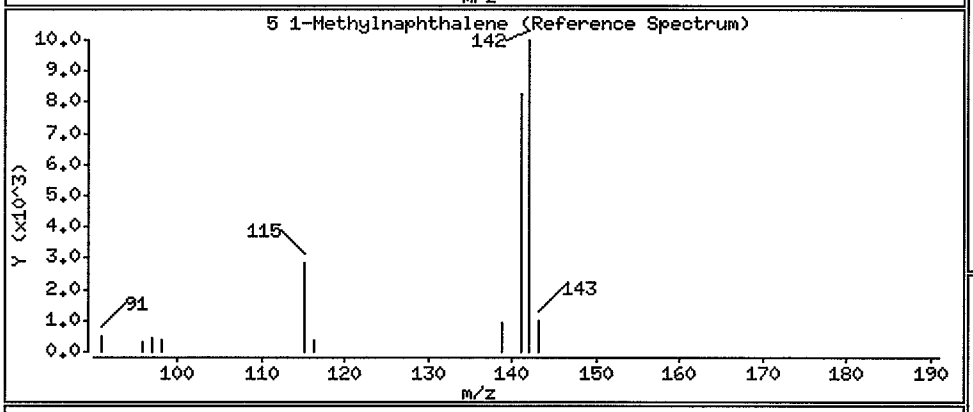
Column diameter: 0.25

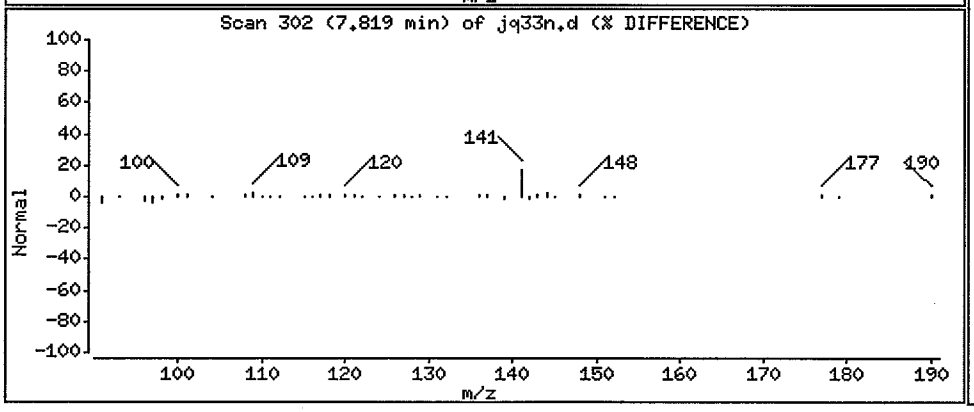
5 1-Methylnaphthalene

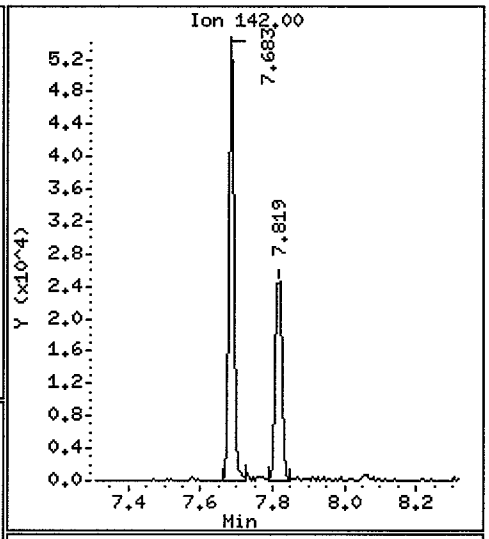
Concentration: 193.5 ug/kg

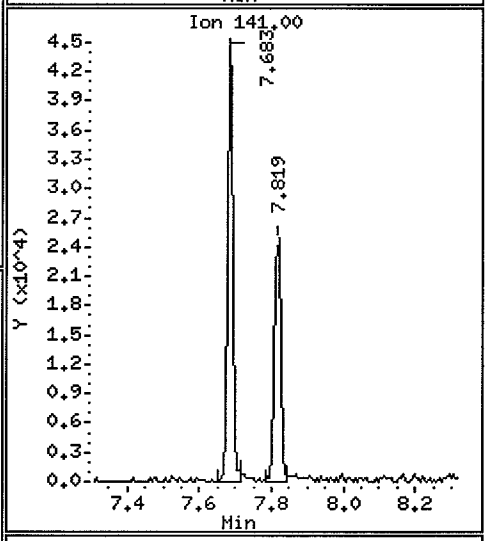


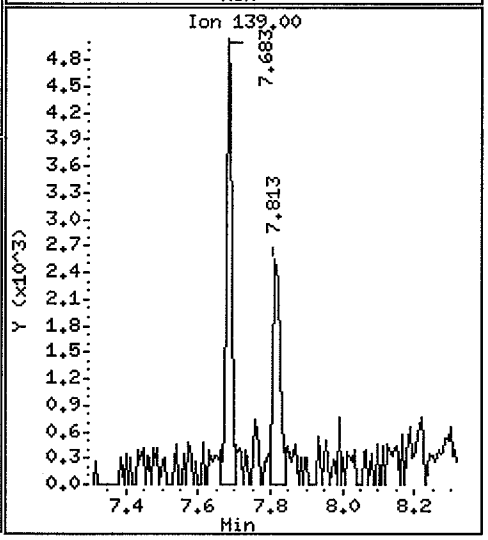












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

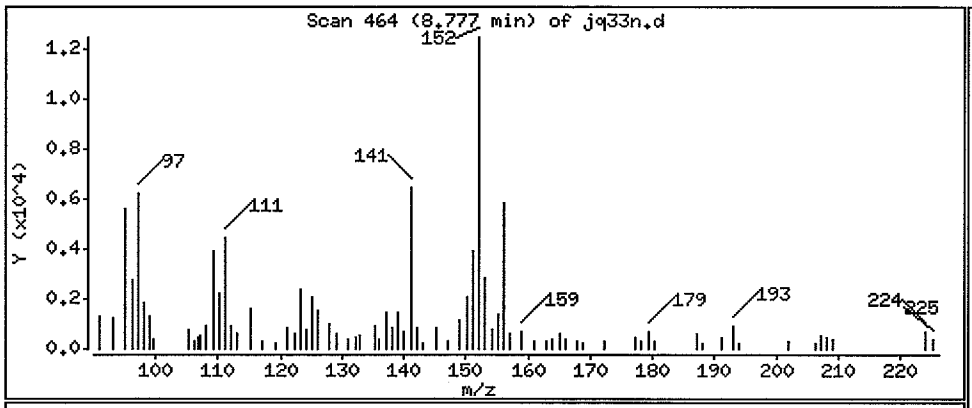
Operator: VTS

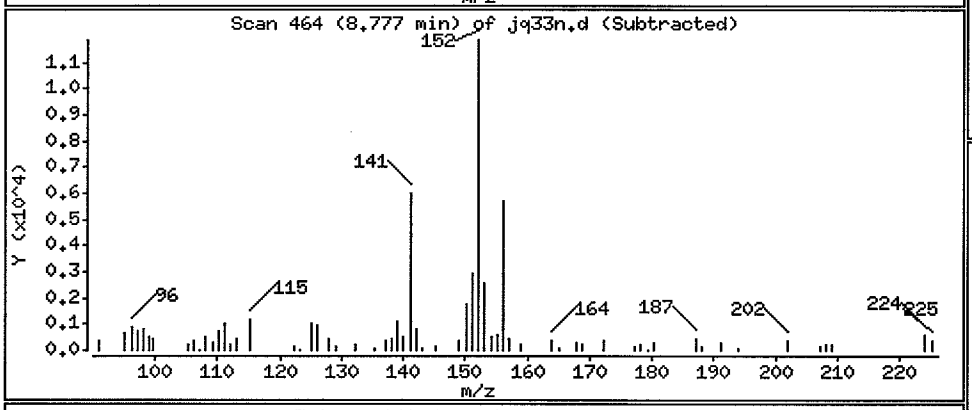
Column phase: ZB-5

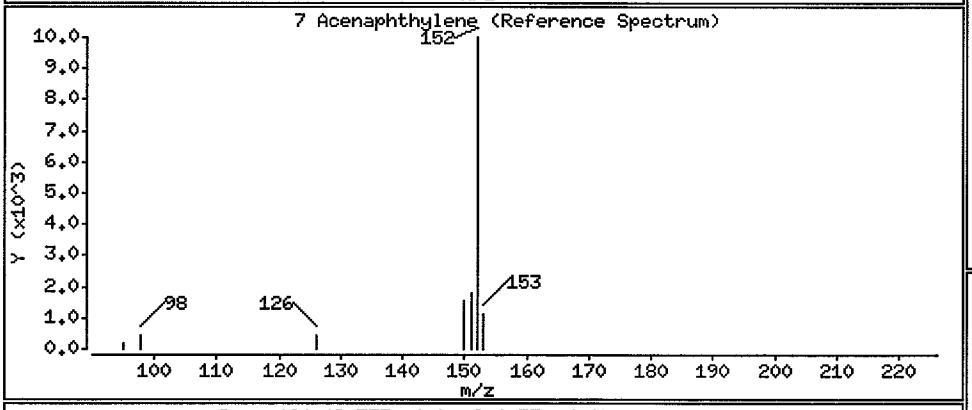
Column diameter: 0.25

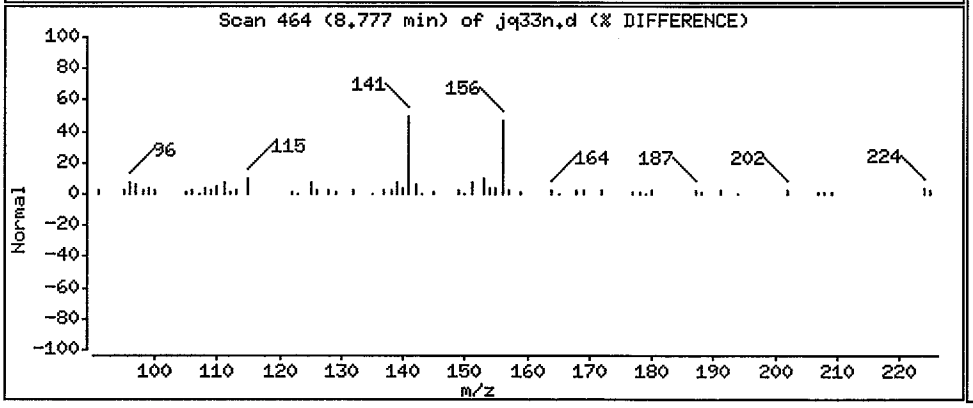
7 Acenaphthylene

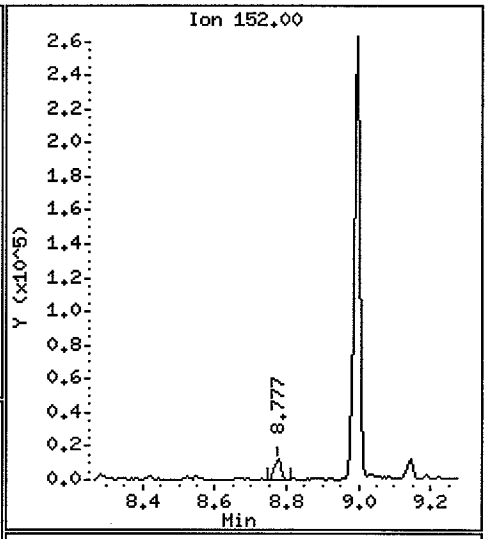
Concentration: 73.72 ug/kg

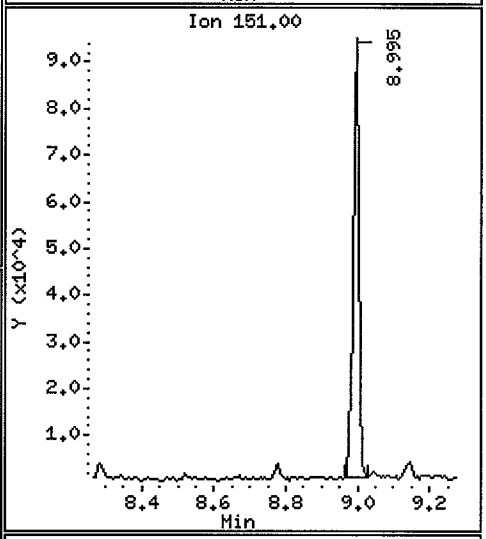


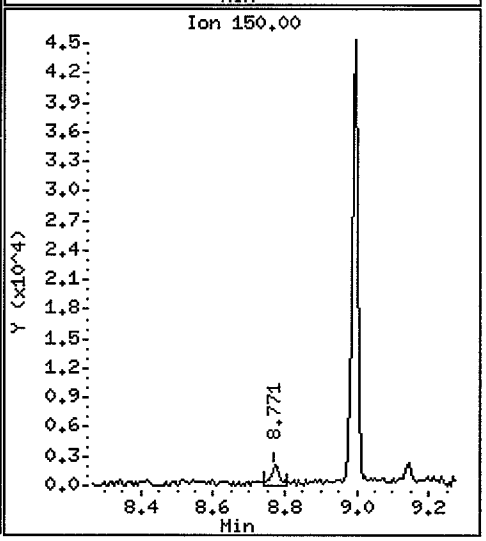












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

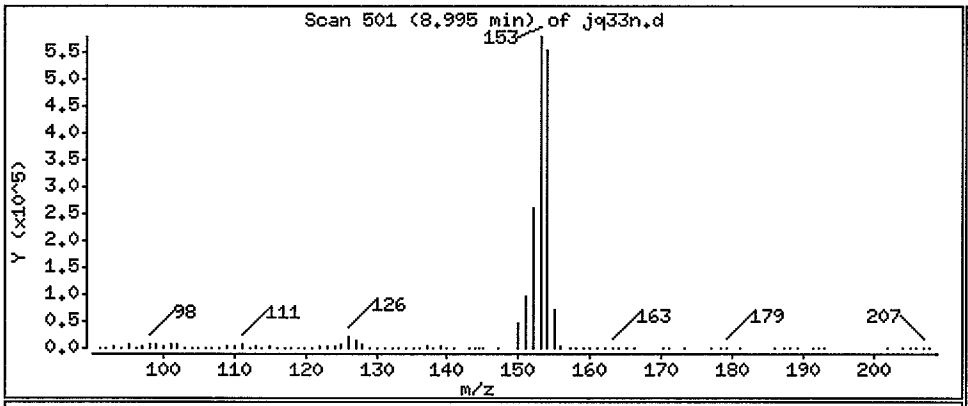
Operator: VTS

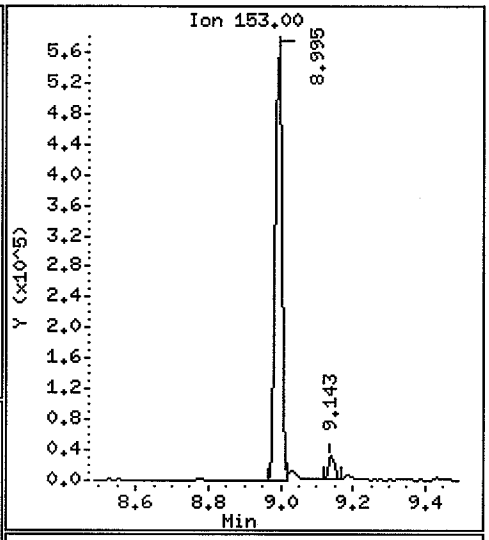
Column phase: ZB-5

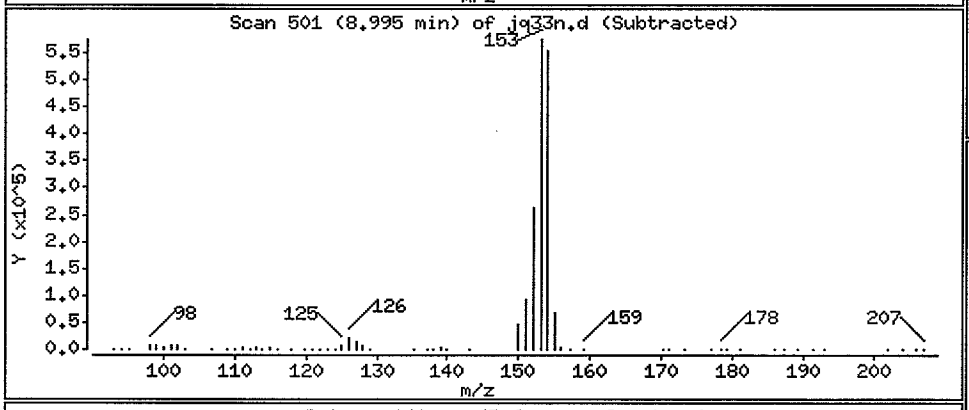
Column diameter: 0.25

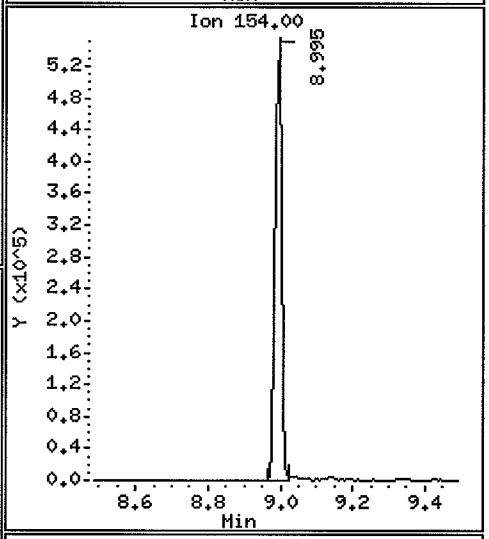
9 Acenaphthene

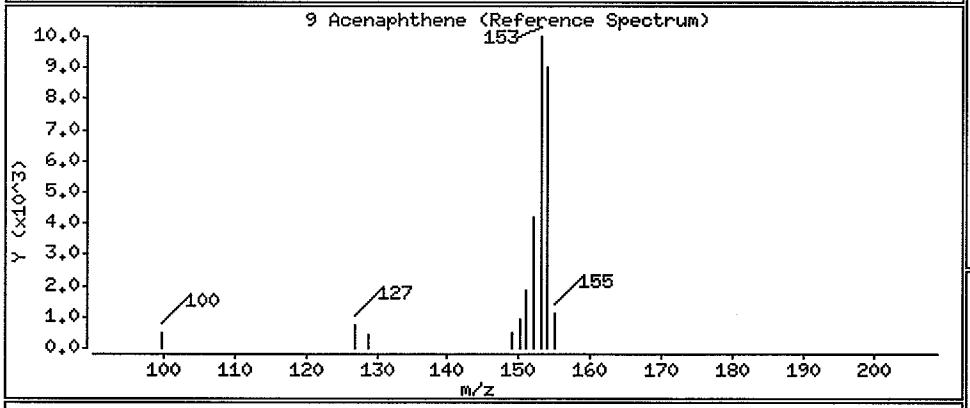
Concentration: 5014 ug/kg

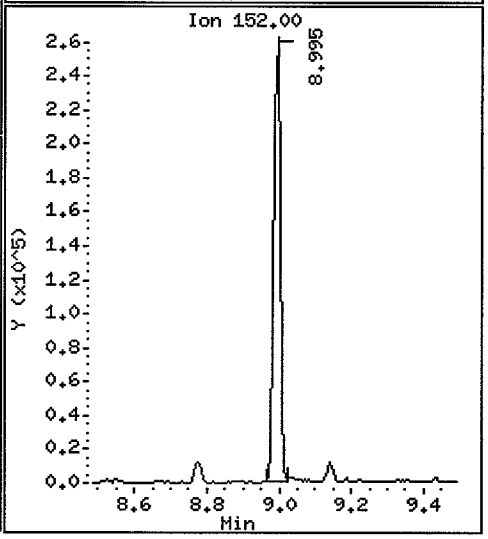


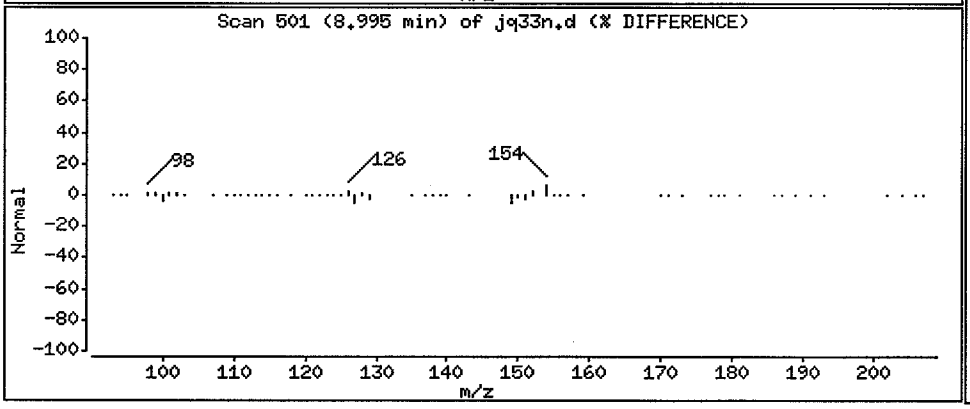












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

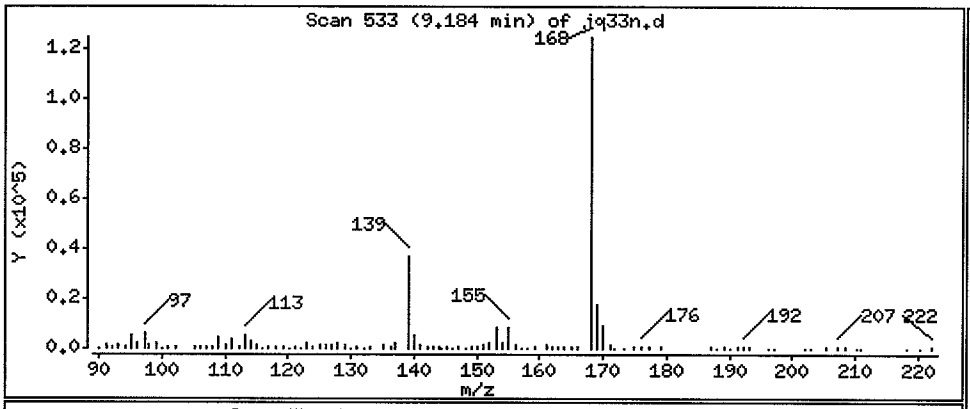
Operator: VTS

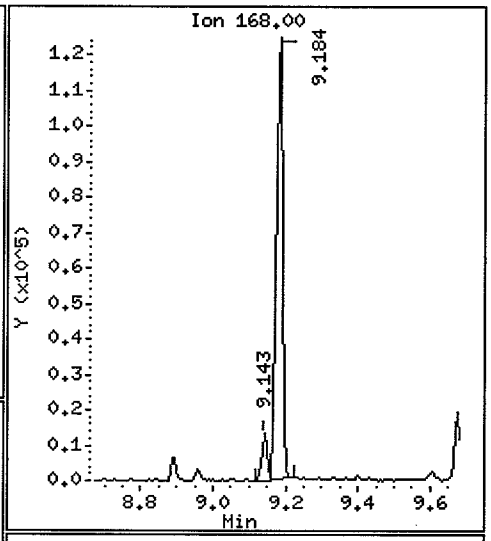
Column phase: ZB-5

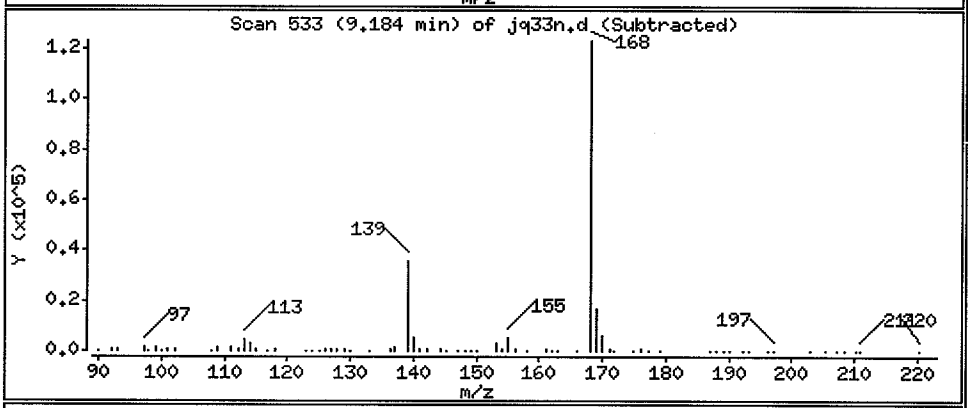
Column diameter: 0.25

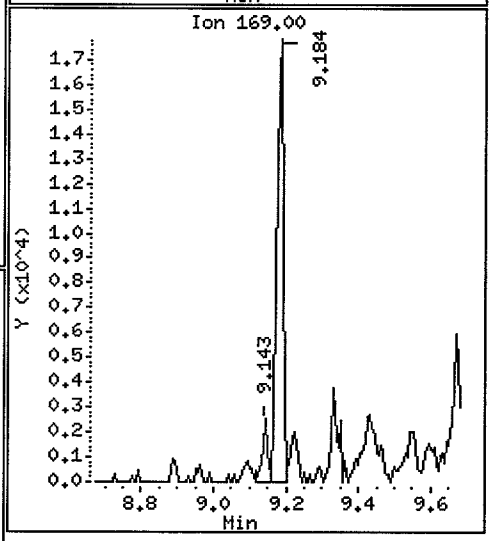
10 Dibenzofuran

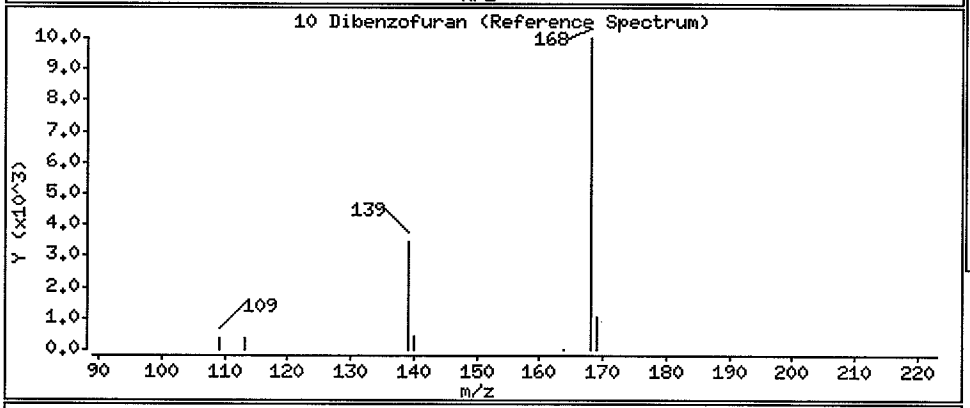
Concentration: 748.4 ug/kg

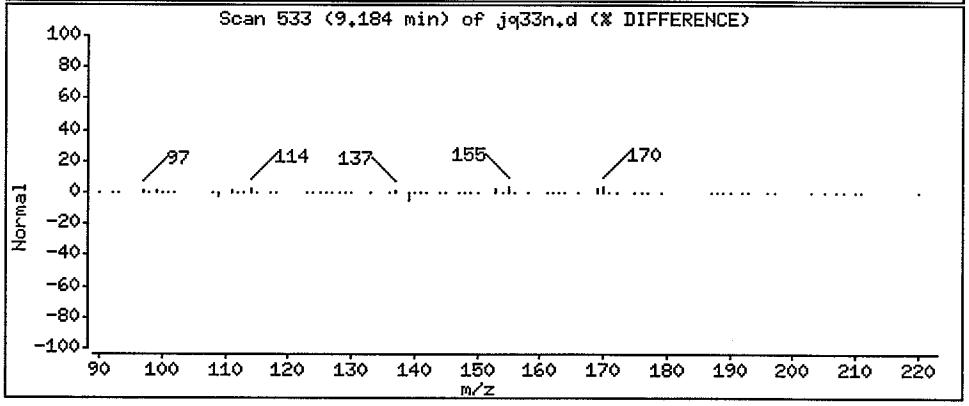












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

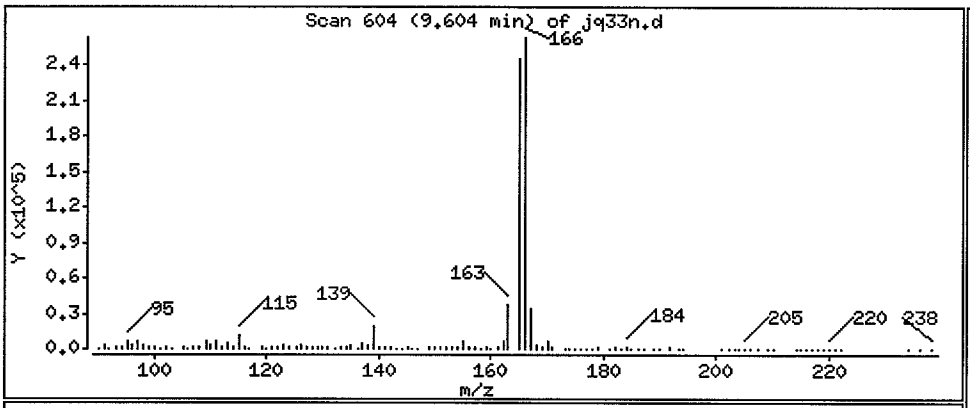
Operator: VTS

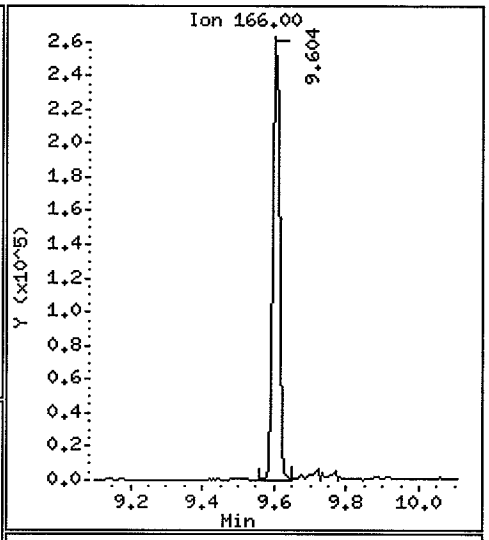
Column phase: ZB-5

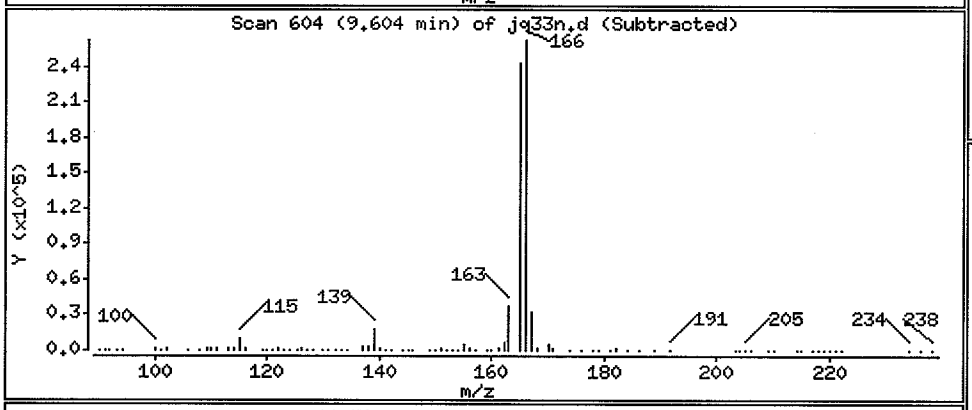
Column diameter: 0.25

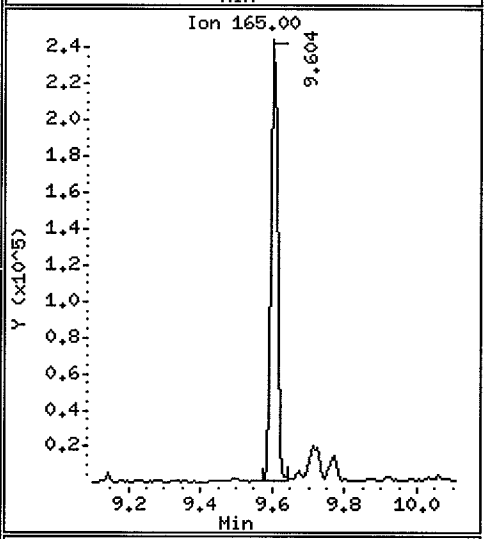
11 Fluorene

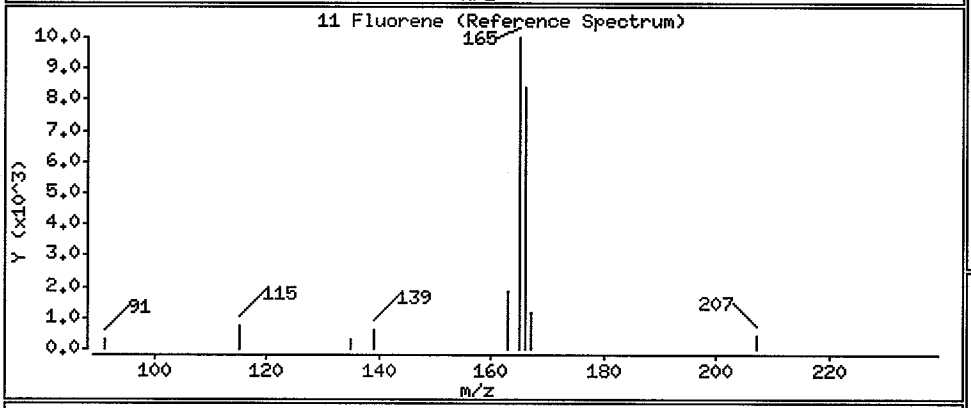
Concentration: 2041 ug/kg

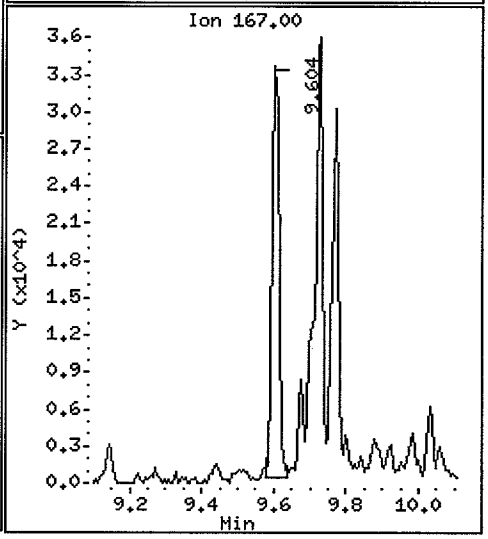


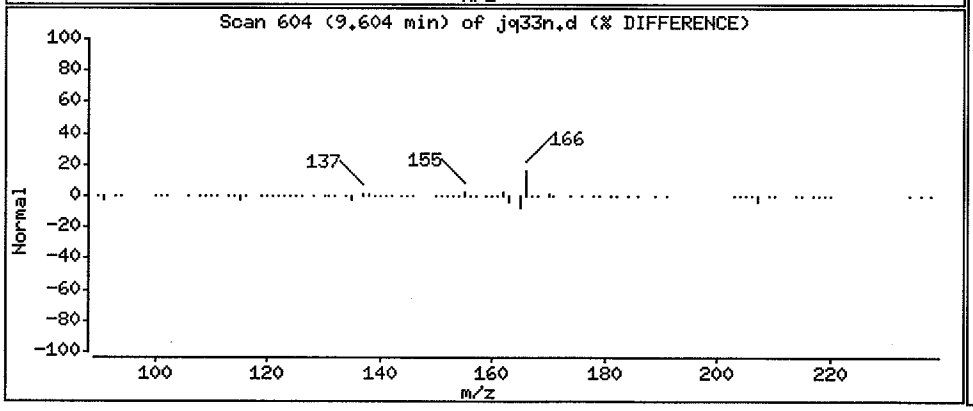












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

Operator: WTS

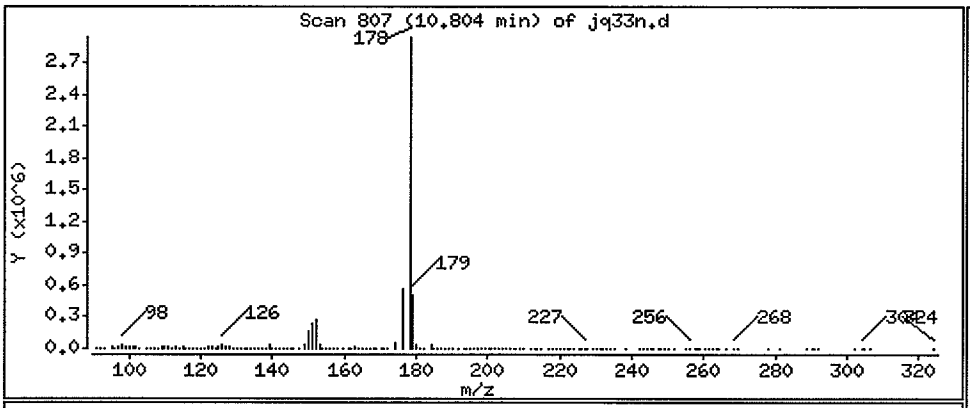
Column phase: ZB-5

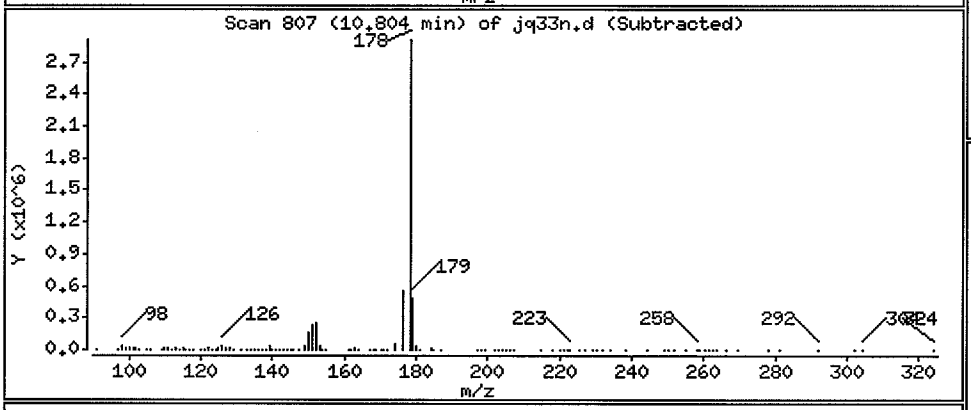
Column diameter: 0.25

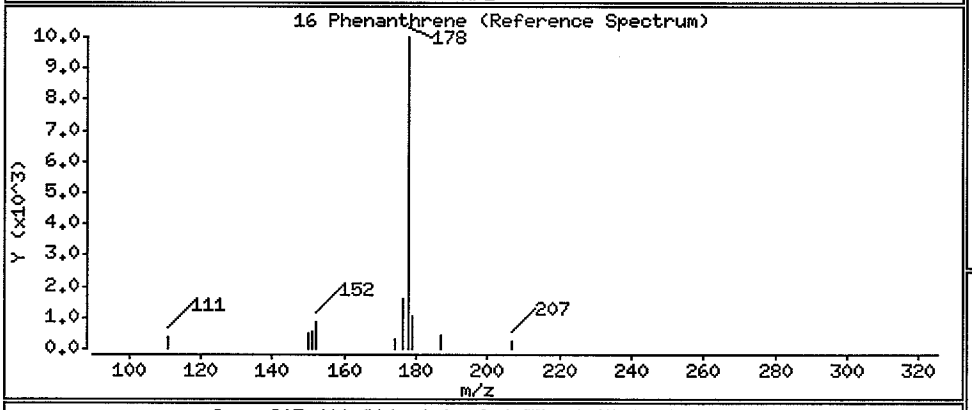
16 Phenanthrene

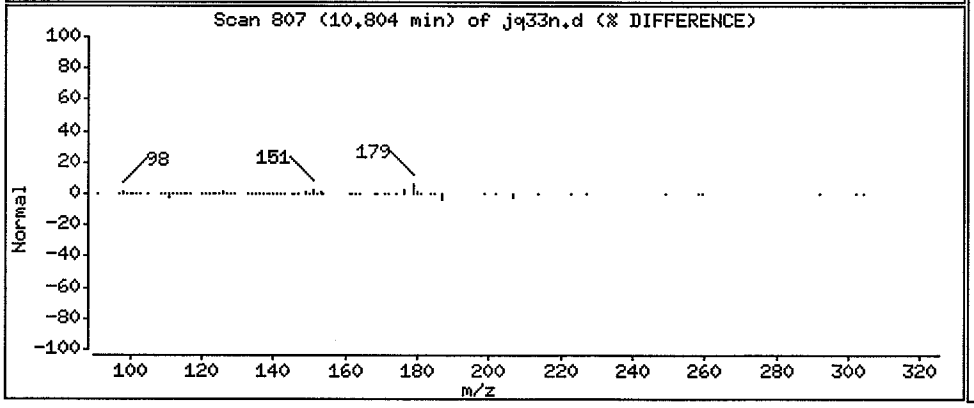
Concentration: 16200 ug/kg

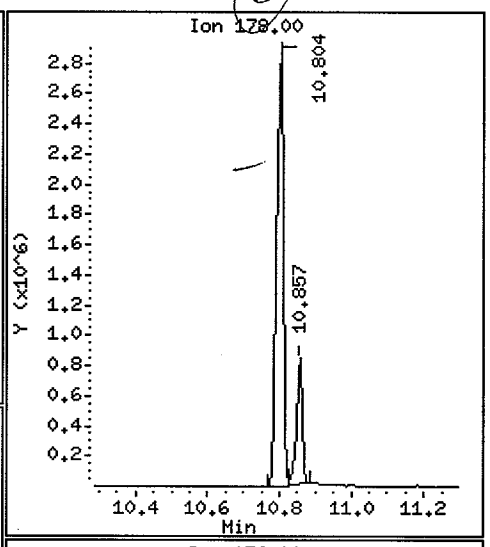
B

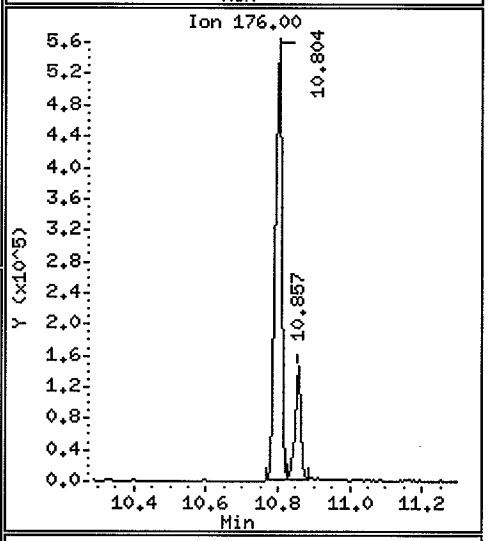


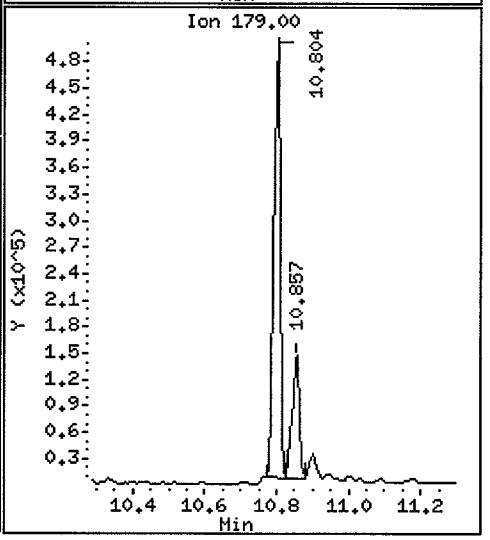












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

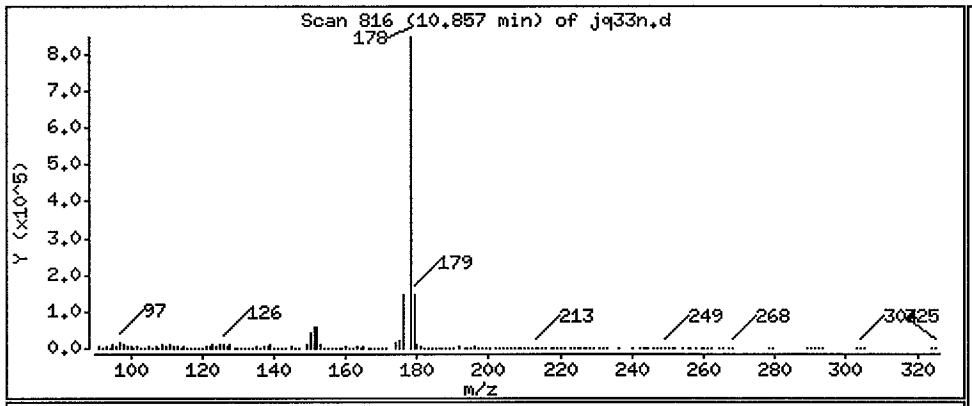
Operator: VTS

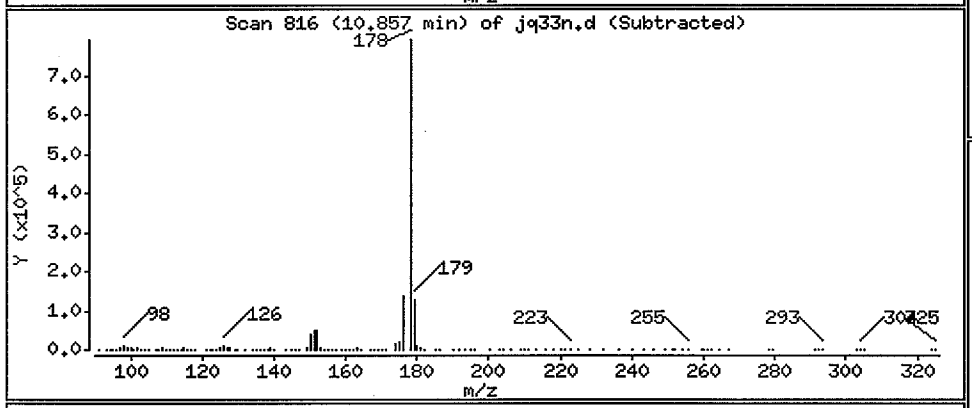
Column phase: ZB-5

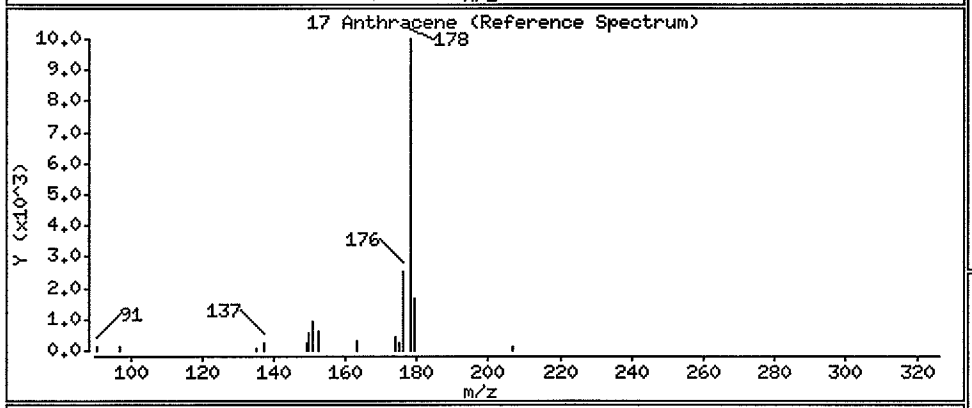
Column diameter: 0.25

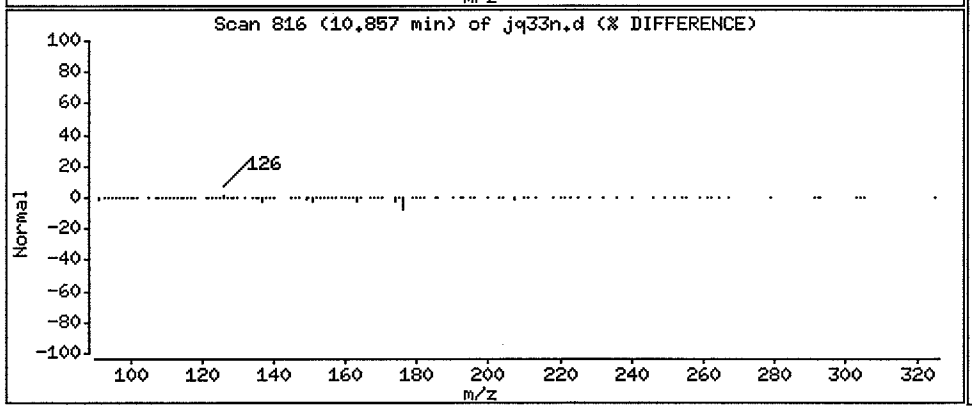
17 Anthracene

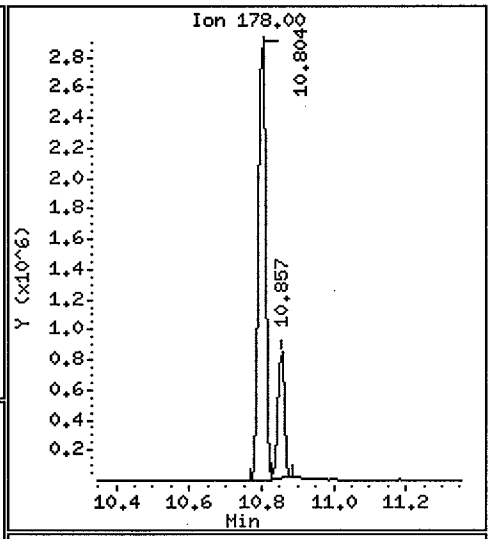
Concentration: 4331 ug/kg

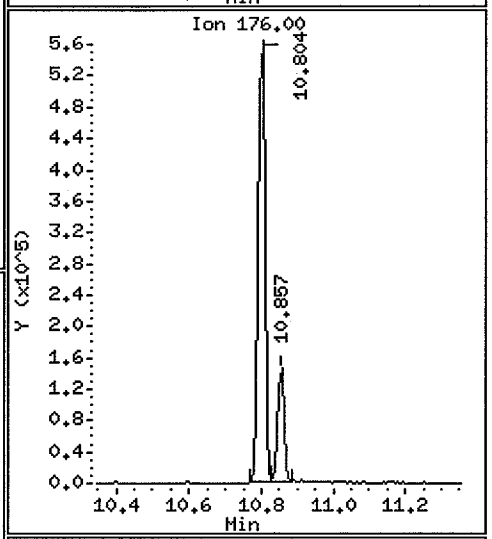


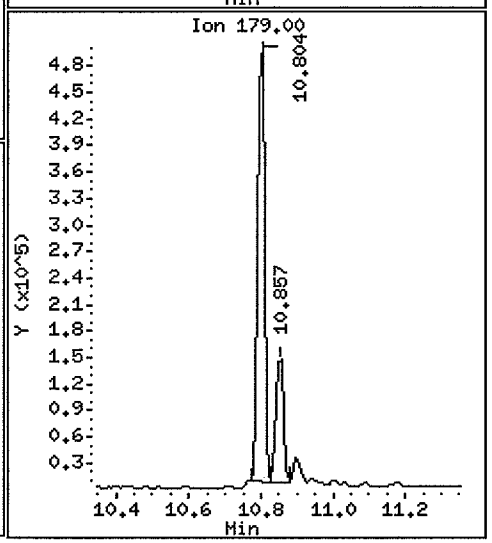












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

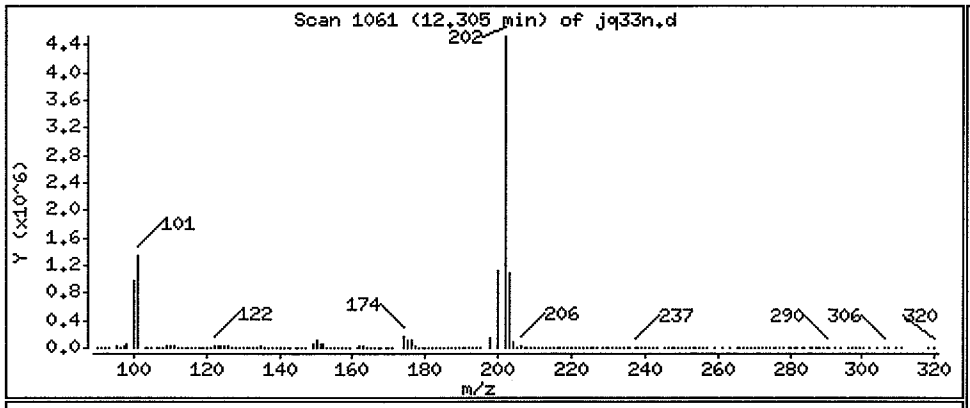
Operator: VTS

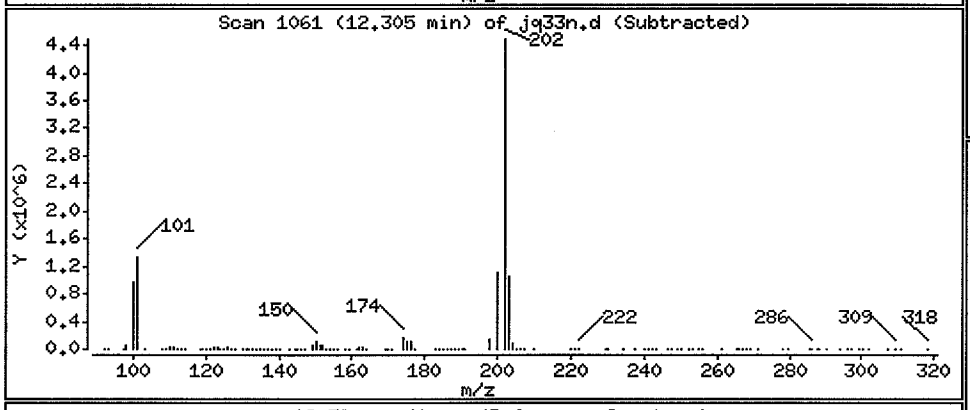
Column phase: ZB-5

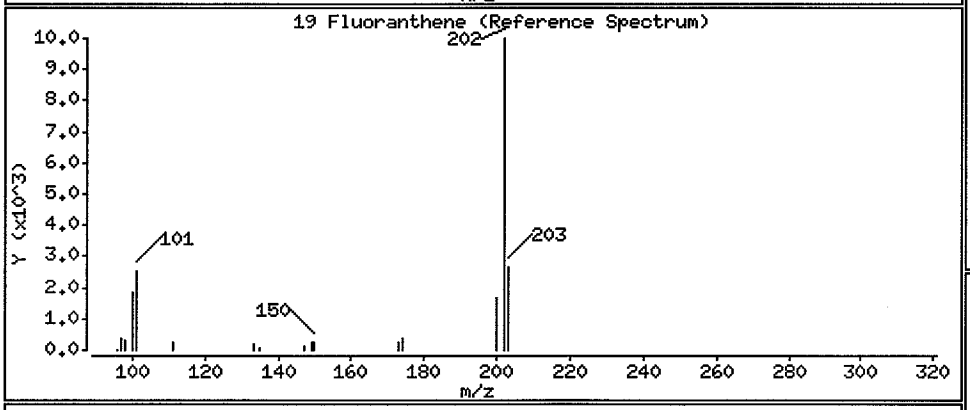
Column diameter: 0.25

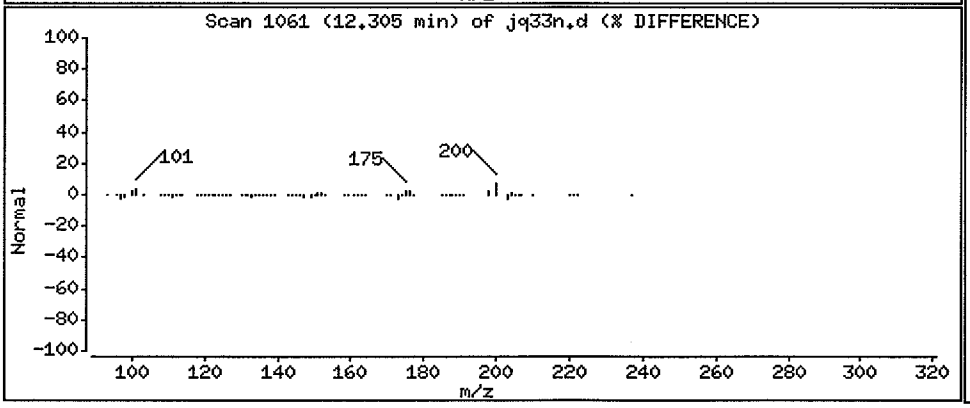
19 Fluoranthene

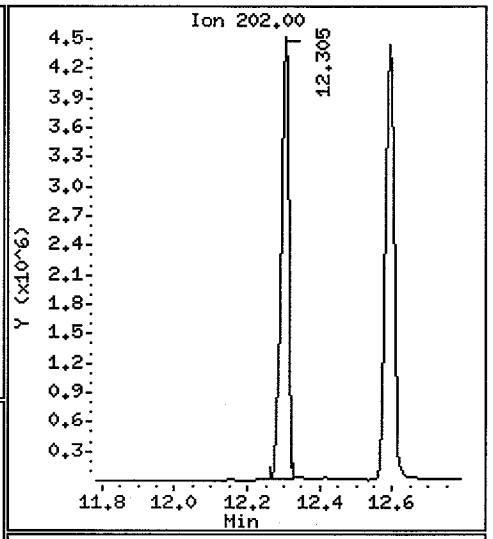
Concentration: 31480 ug/kg

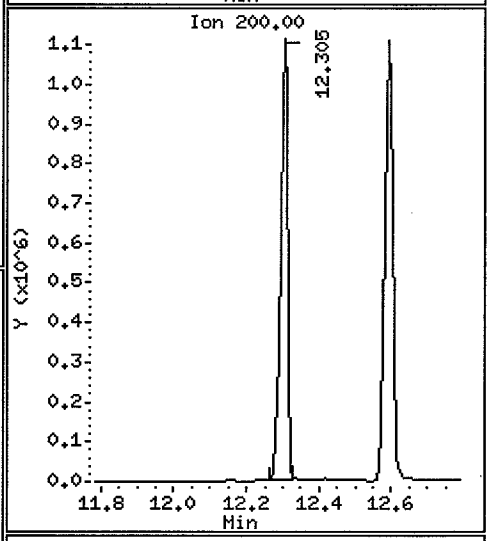


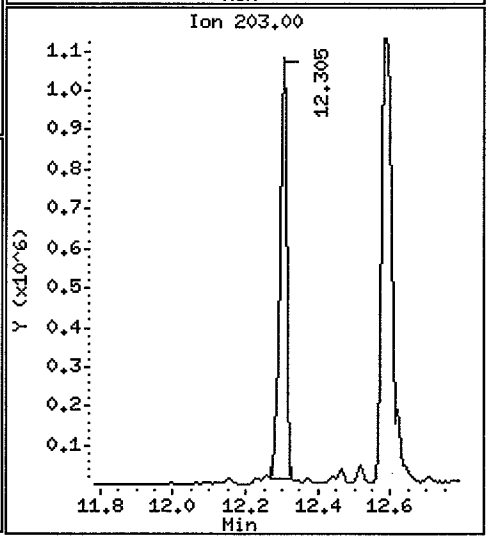












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

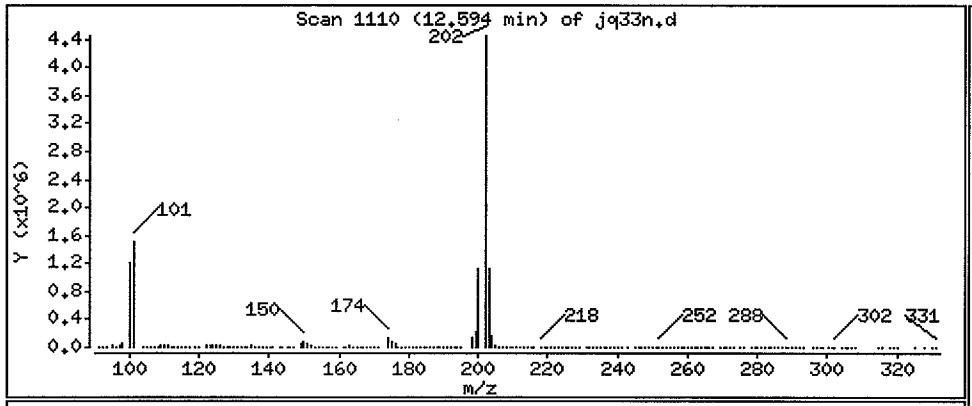
Operator: VTS

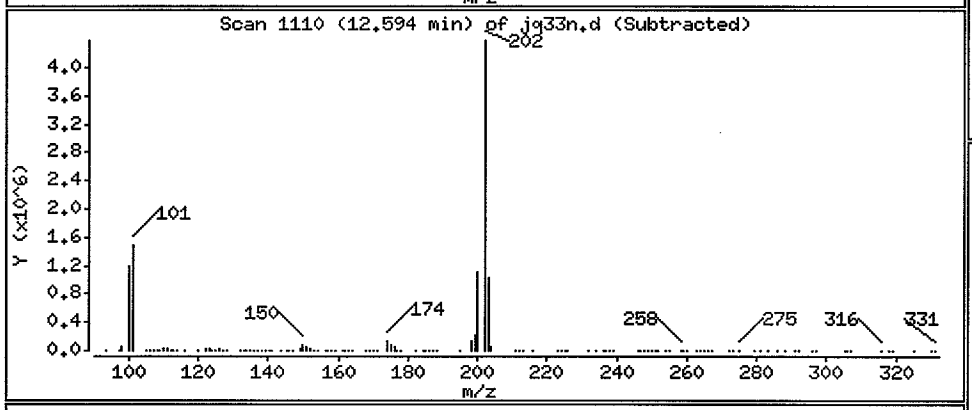
Column phase: ZB-5

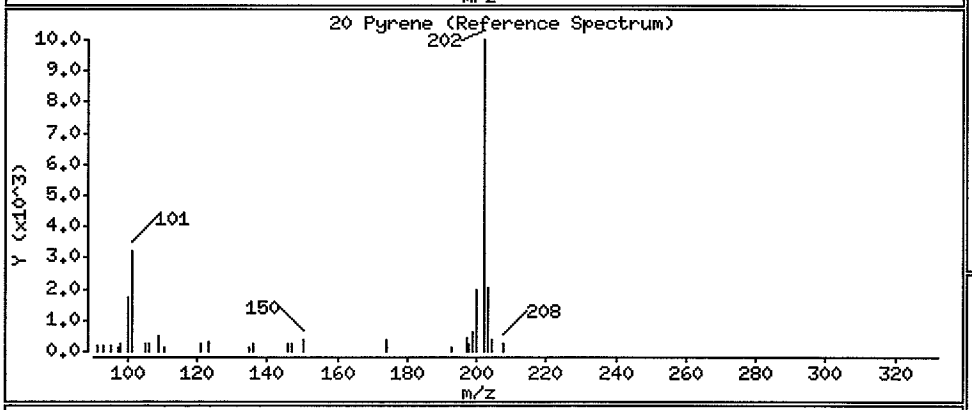
Column diameter: 0.25

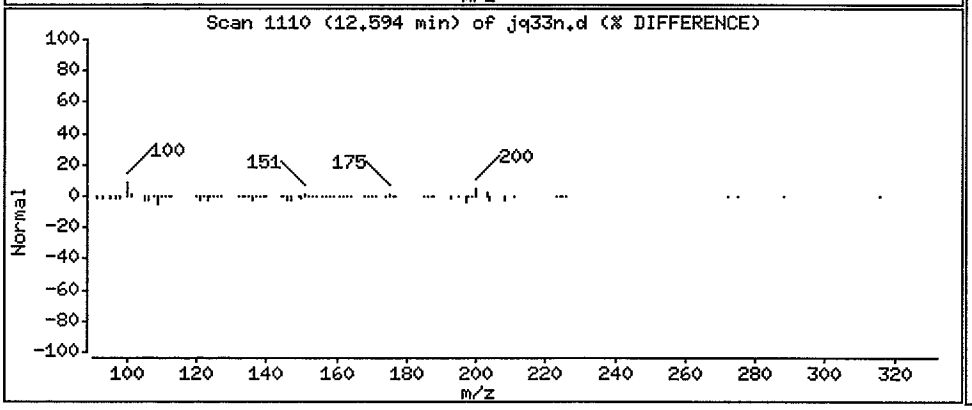
20 Pyrene

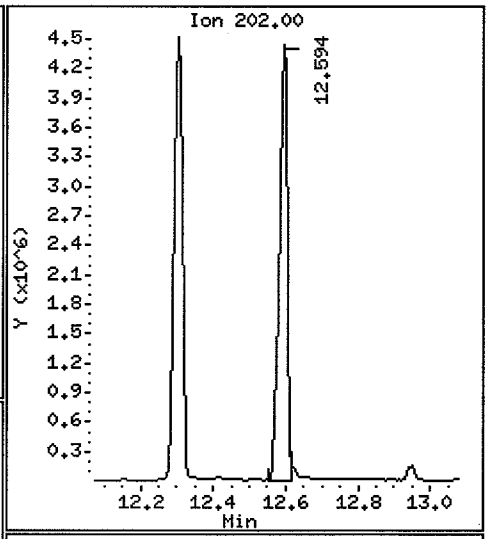
Concentration: 26040 ug/kg

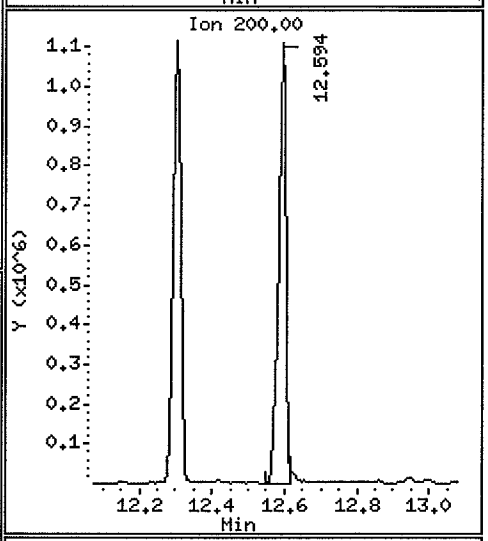


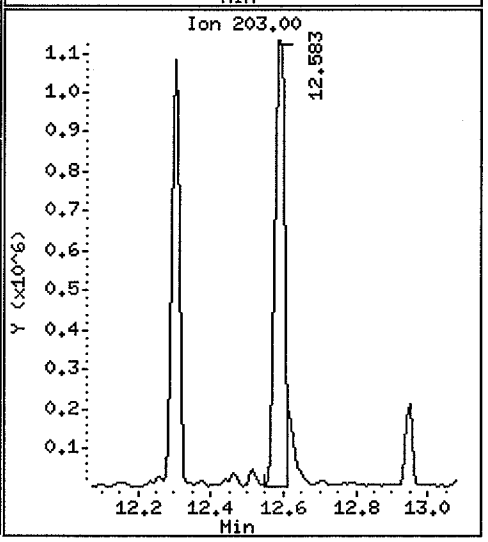












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

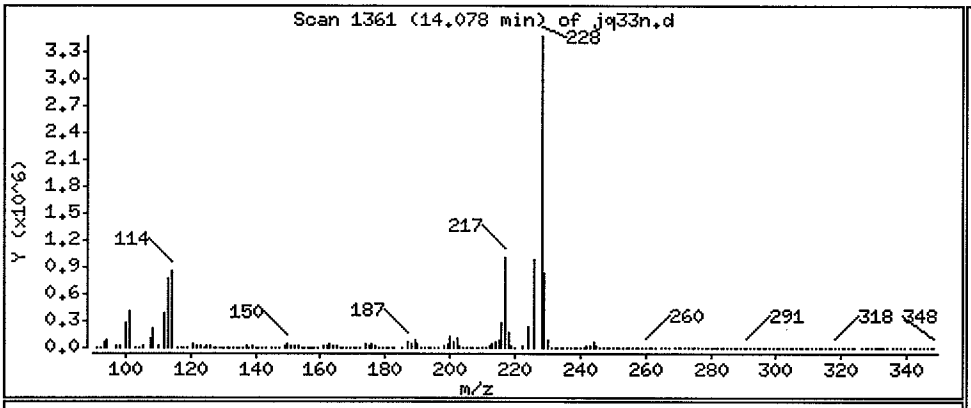
Operator: VTS

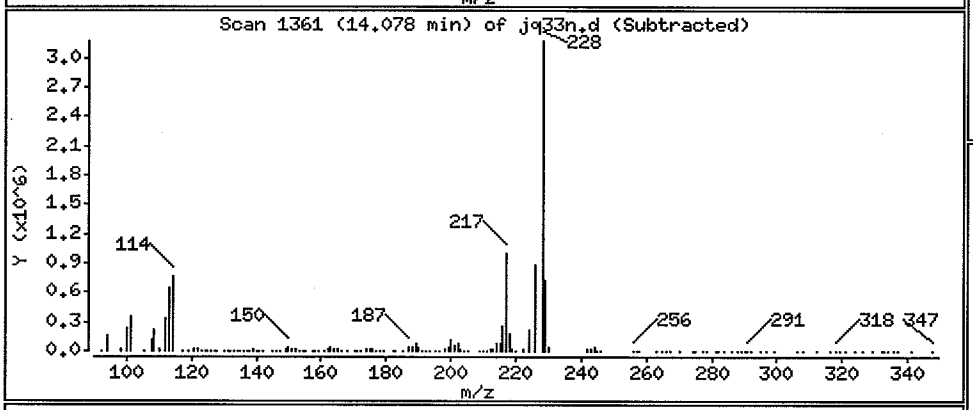
Column phase: ZB-5

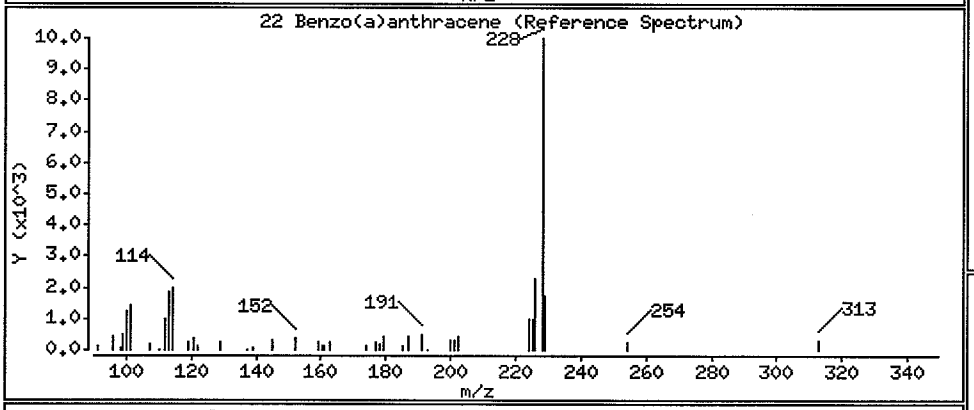
Column diameter: 0.25

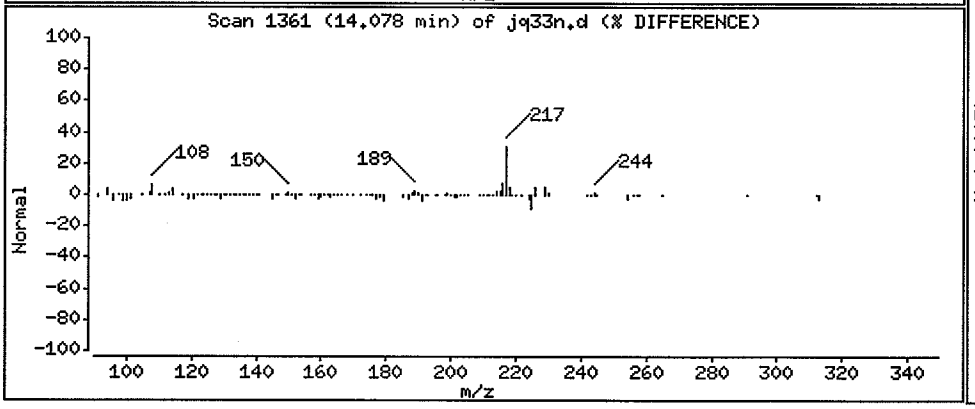
22 Benzo(a)anthracene

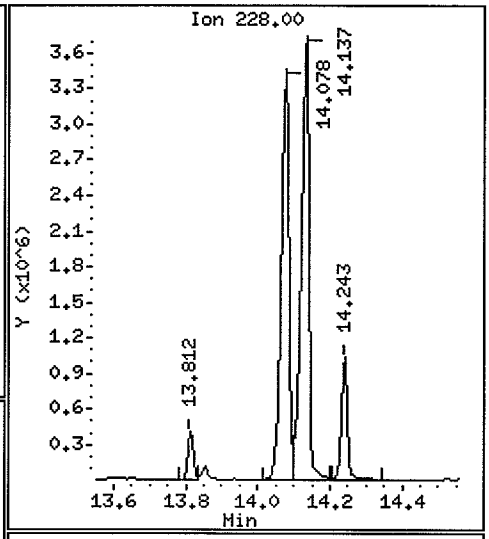
Concentration: 21860 ug/kg

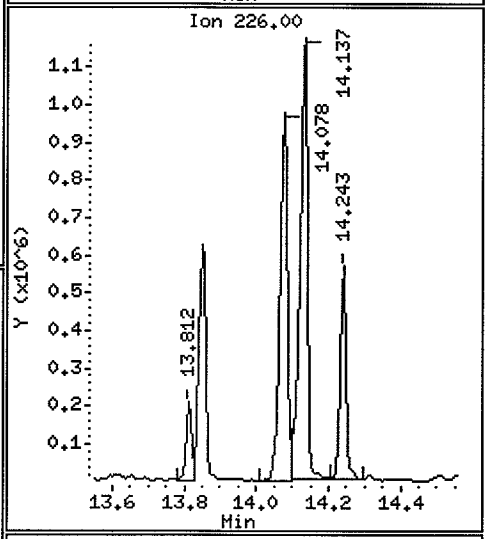


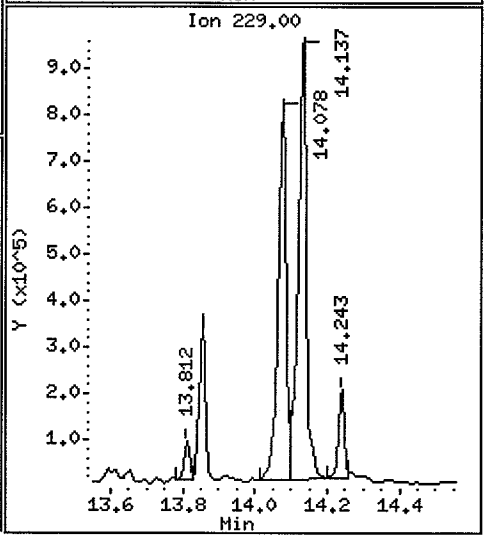












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

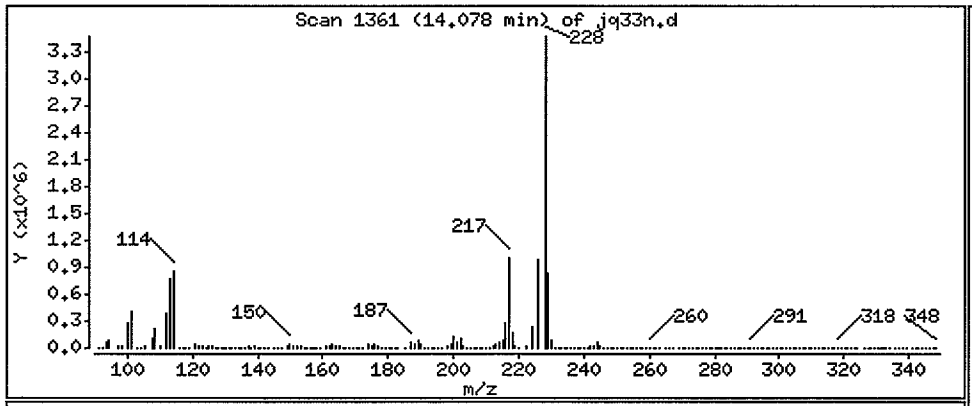
Operator: VTS

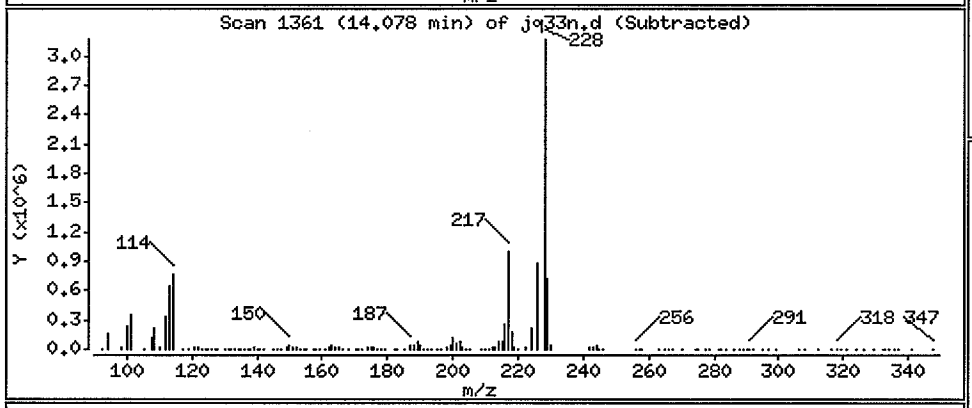
Column phase: ZB-5

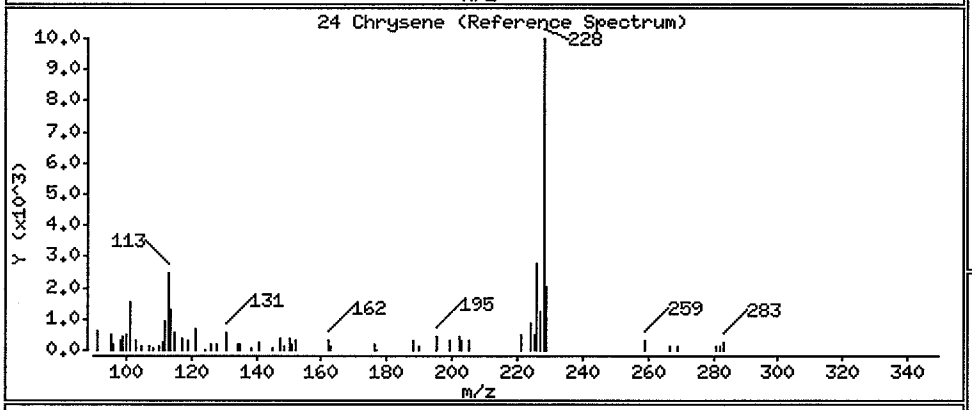
Column diameter: 0.25

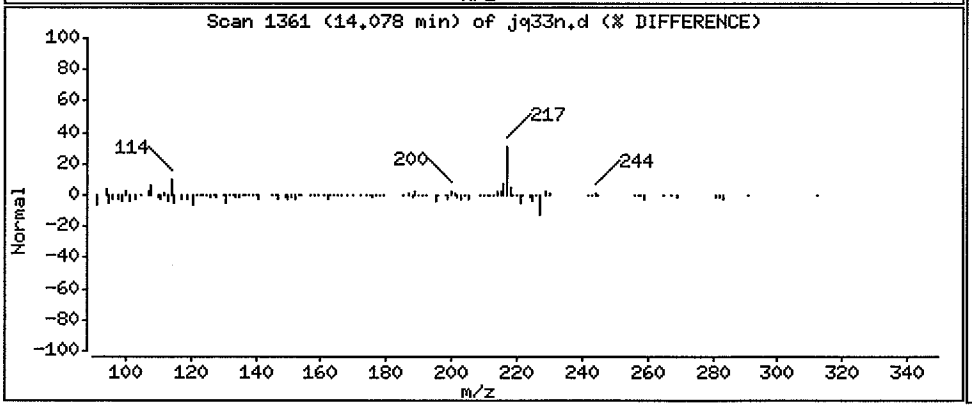
24 Chrysene

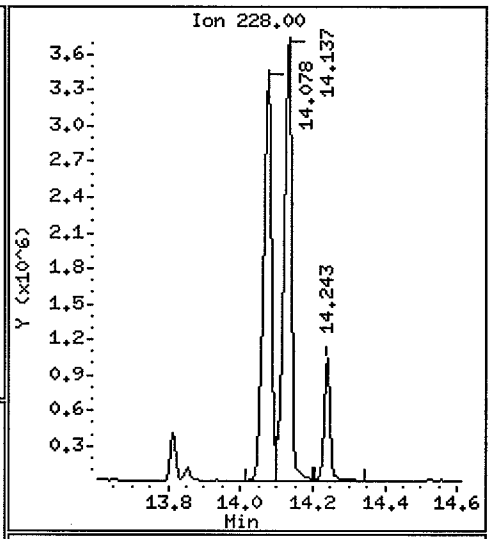
Concentration: 23700 ug/kg

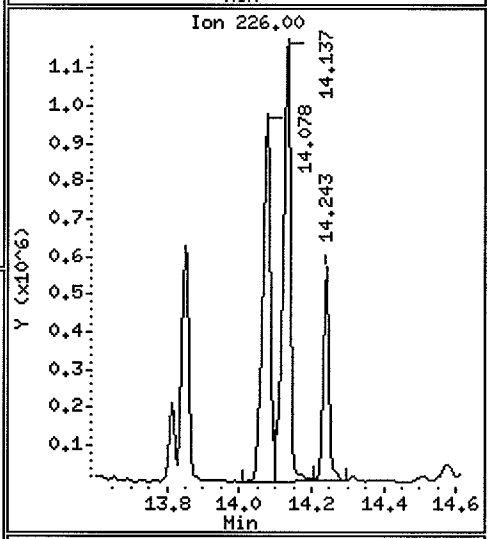


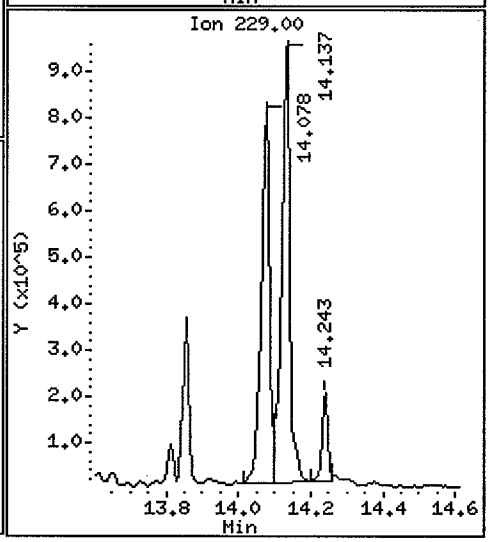












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

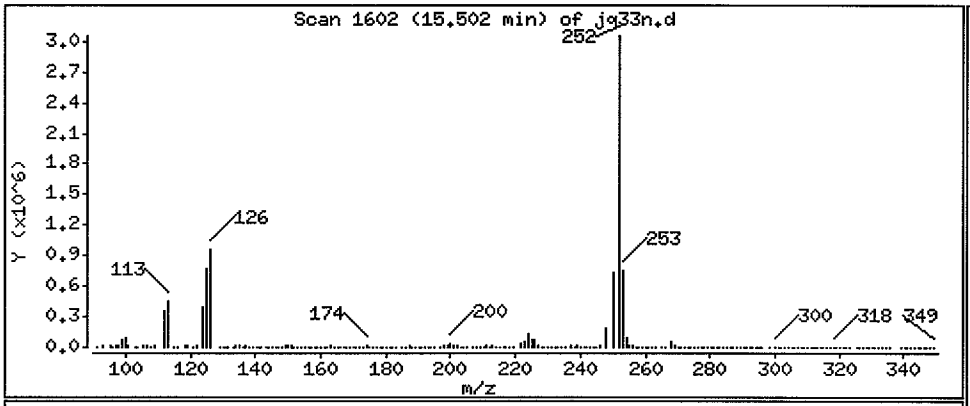
Operator: VTS

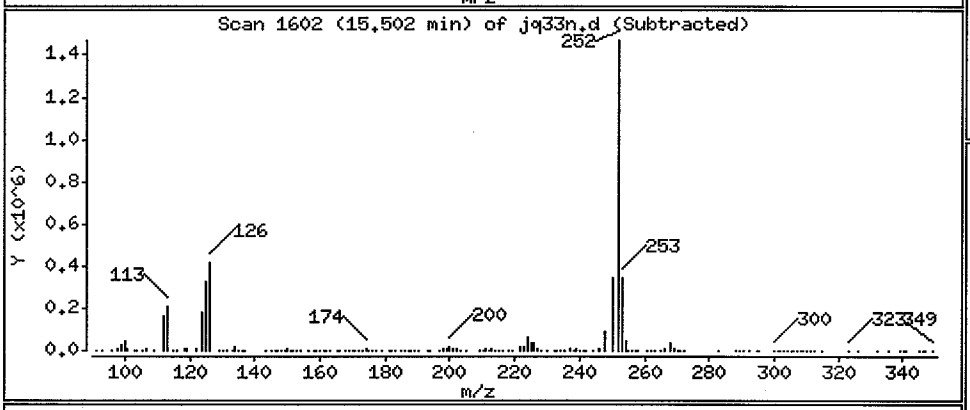
Column phase: ZB-5

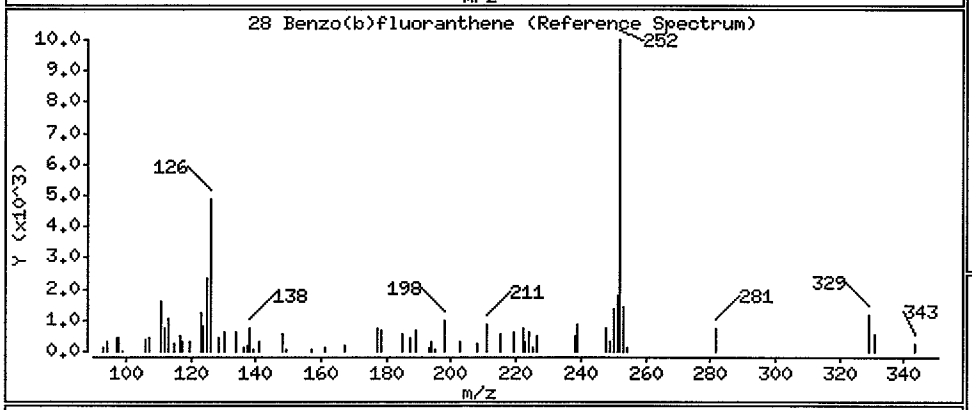
Column diameter: 0.25

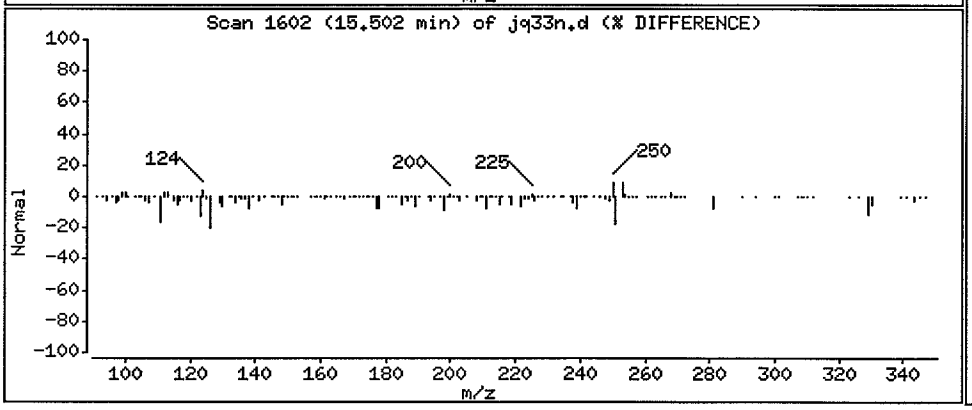
28 Benzo(b)fluoranthene

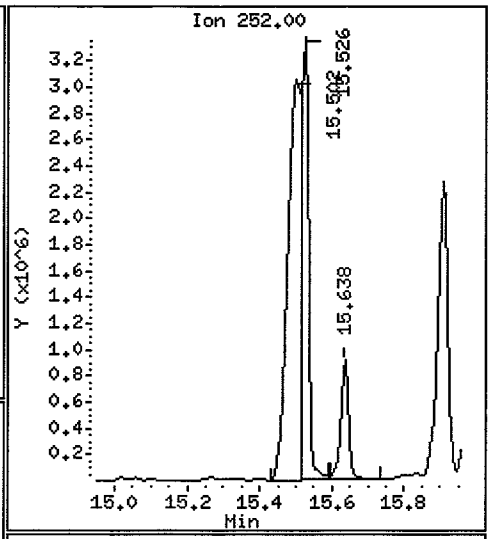
Concentration: 33960 ug/kg

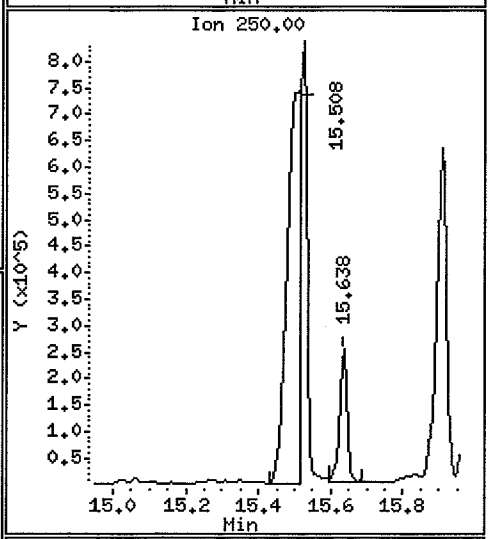


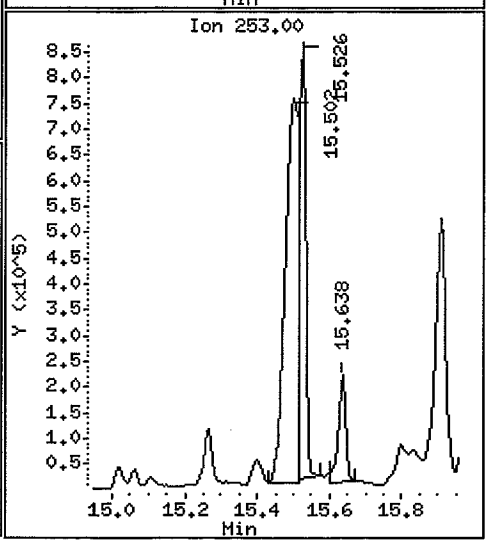












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

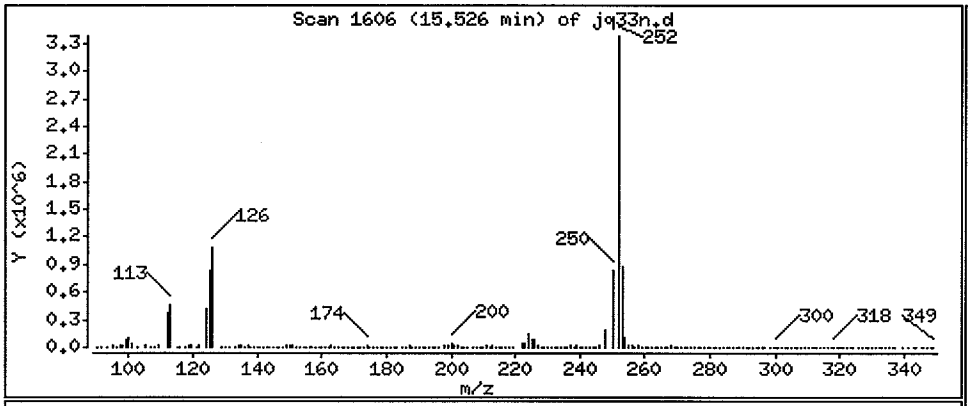
Operator: VTS

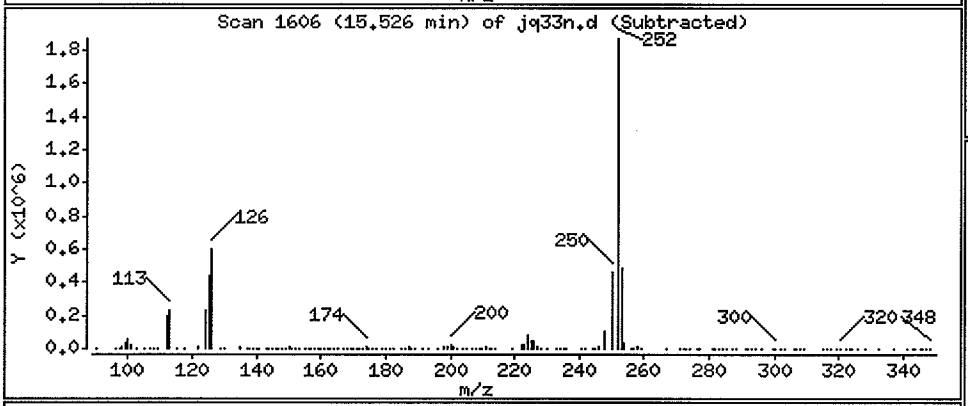
Column phase: ZB-5

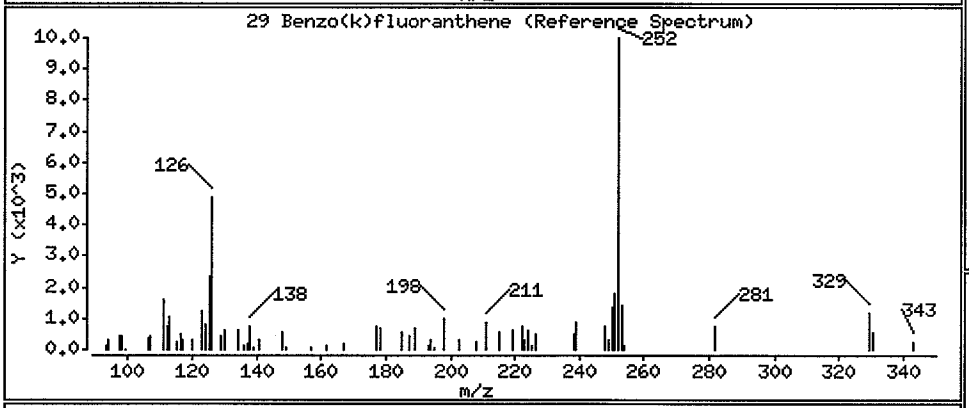
Column diameter: 0.25

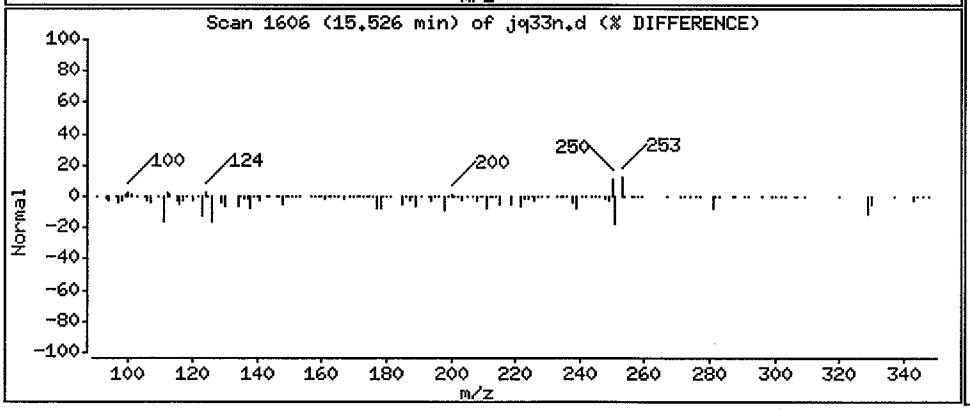
29 Benzo(k)fluoranthene

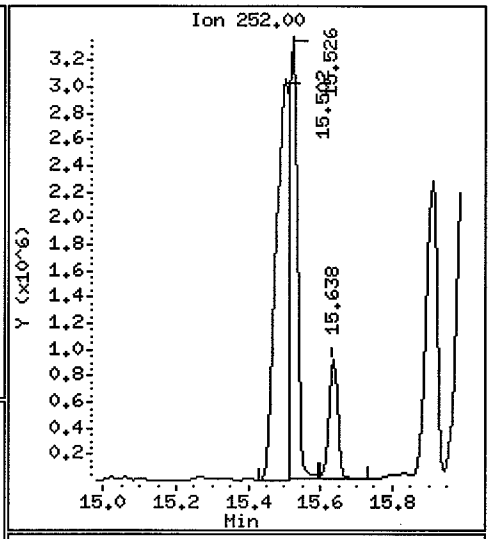
Concentration: 19950 ug/kg

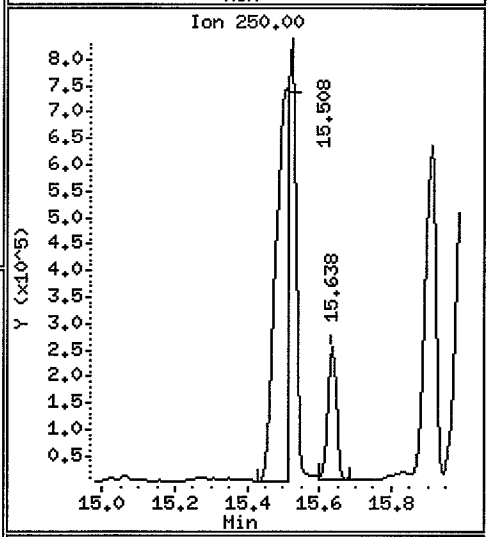


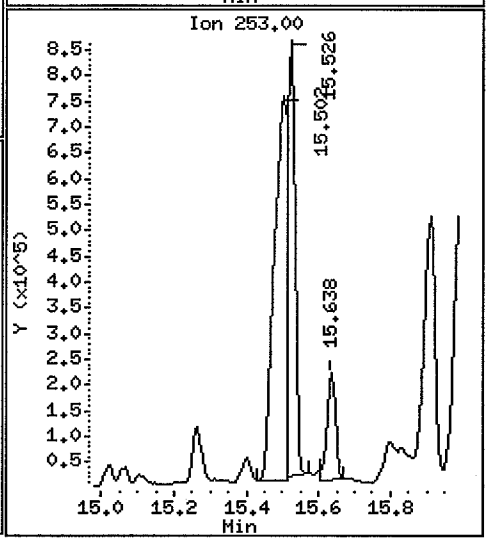












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

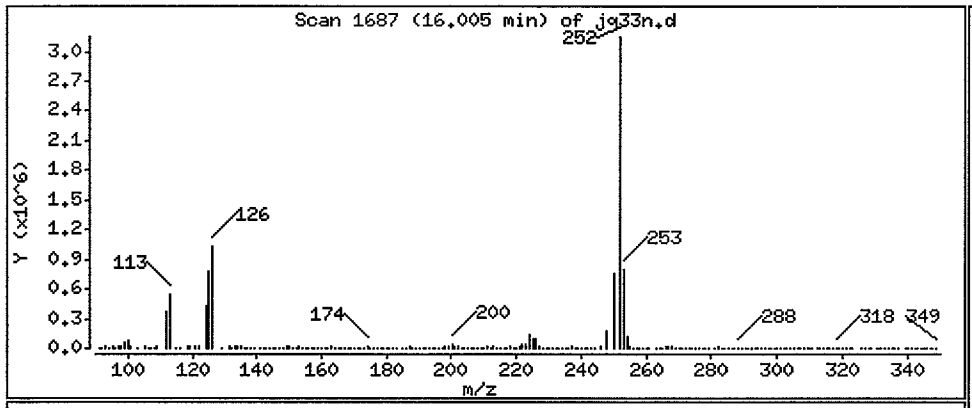
Operator: VTS

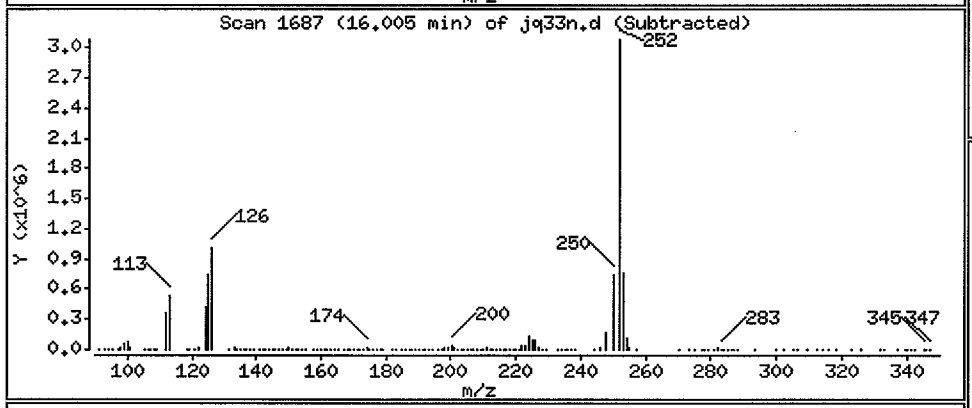
Column phase: ZB-5

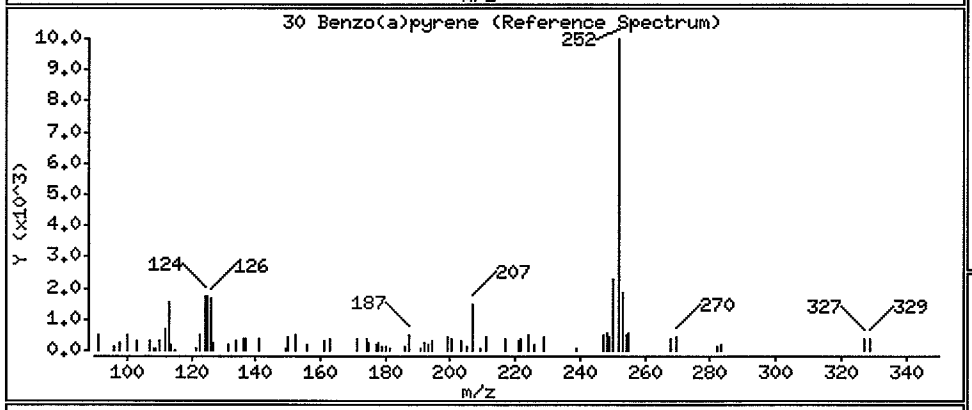
Column diameter: 0.25

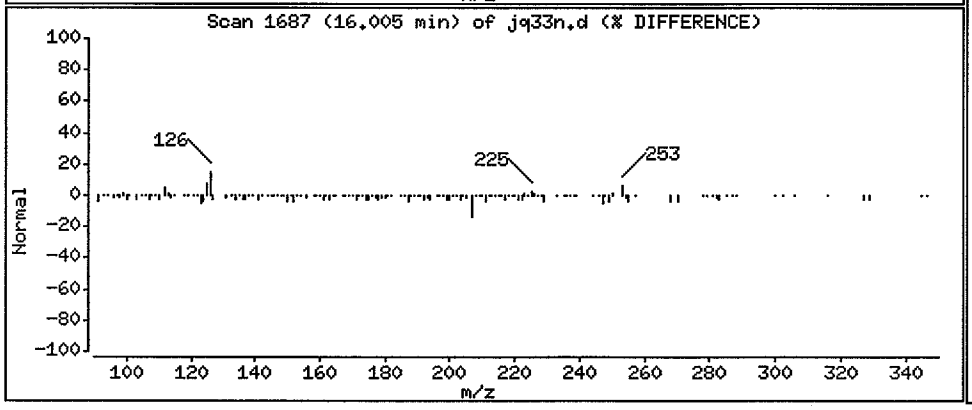
30 Benzo(a)pyrene

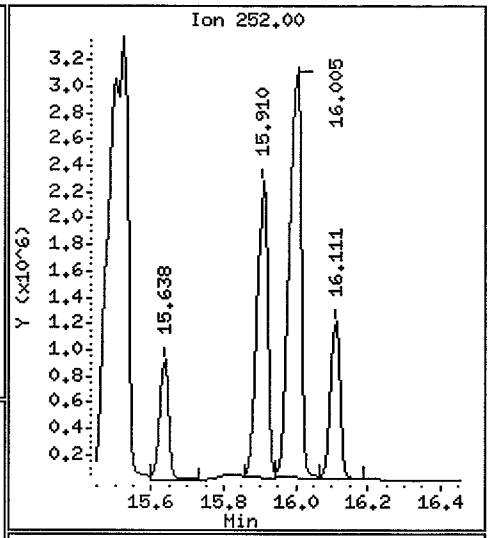
Concentration: 29950 ug/kg

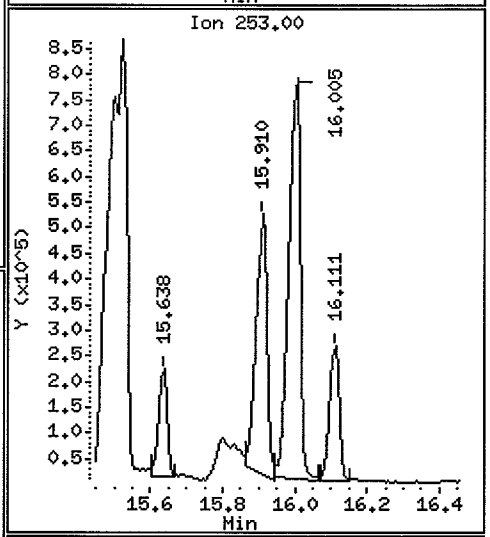


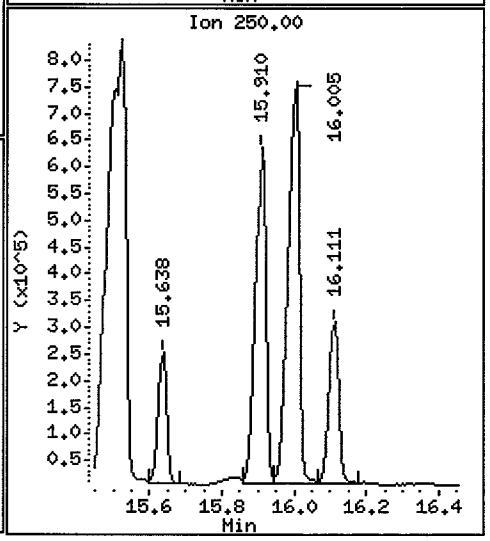












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

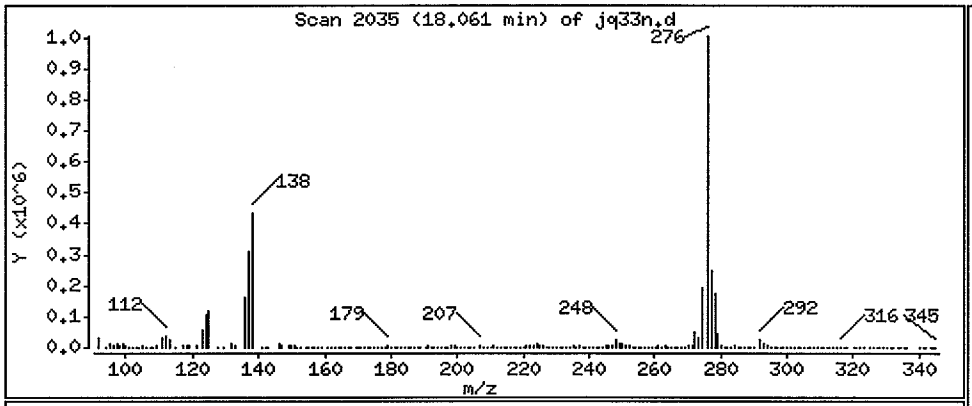
Operator: VTS

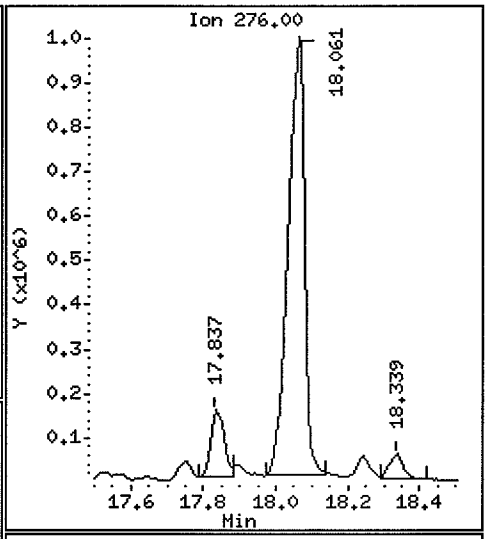
Column phase: ZB-5

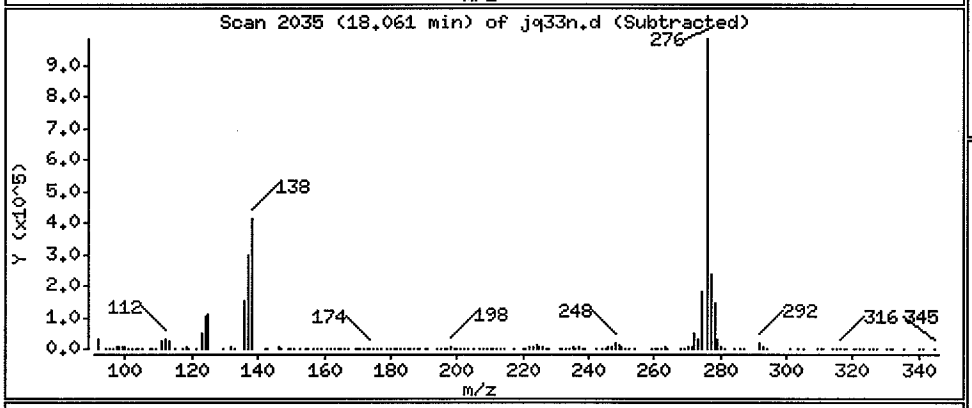
Column diameter: 0.25

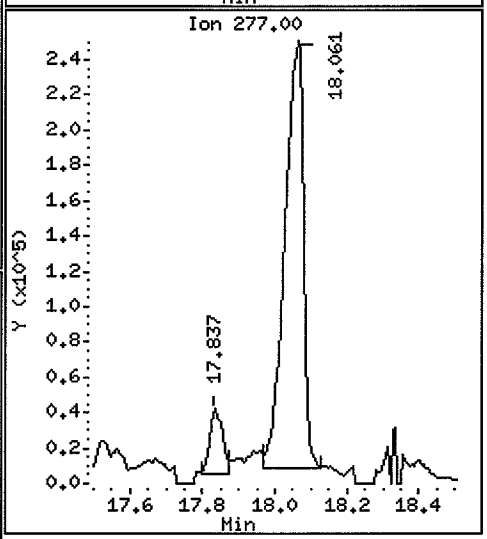
33 Indeno(1,2,3-cd)pyrene

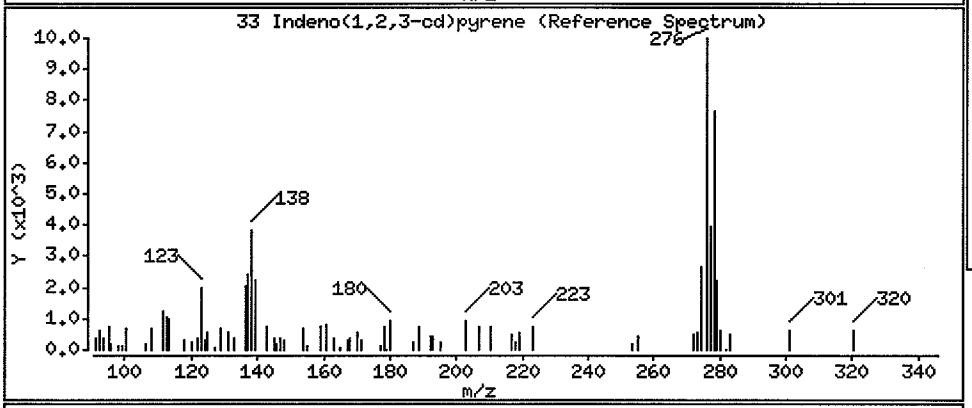
Concentration: 11810 ug/kg

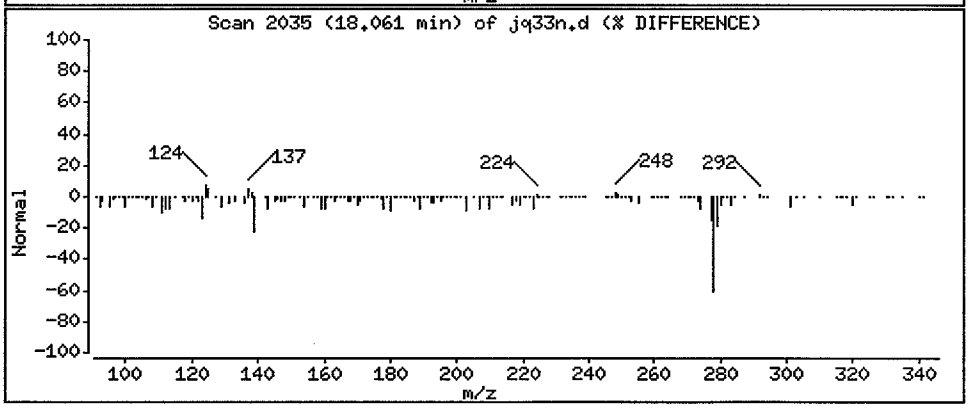












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

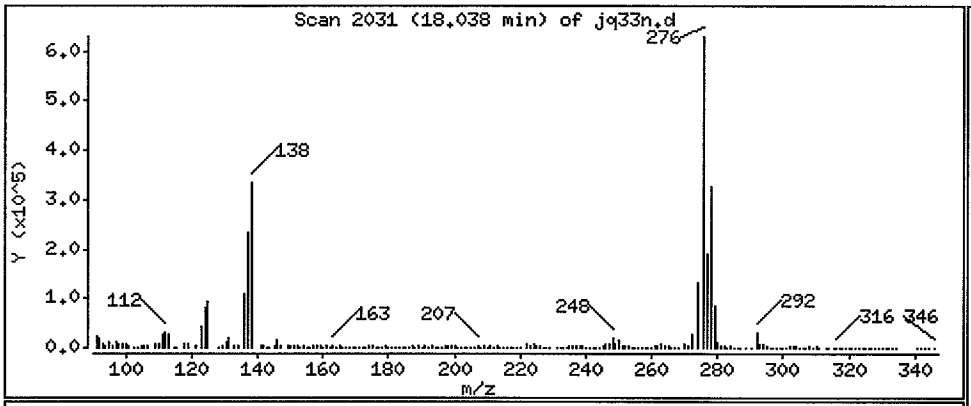
Operator: VTS

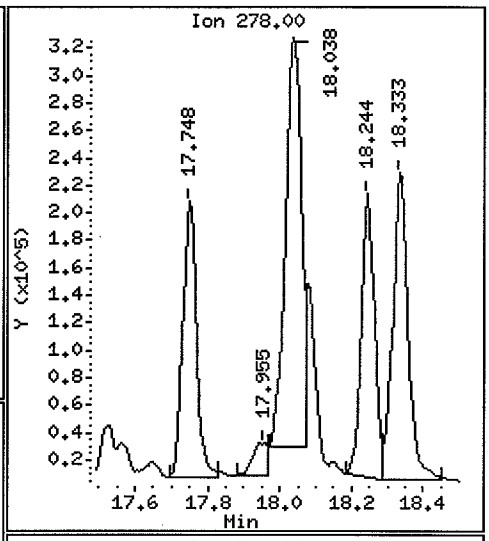
Column phase: ZB-5

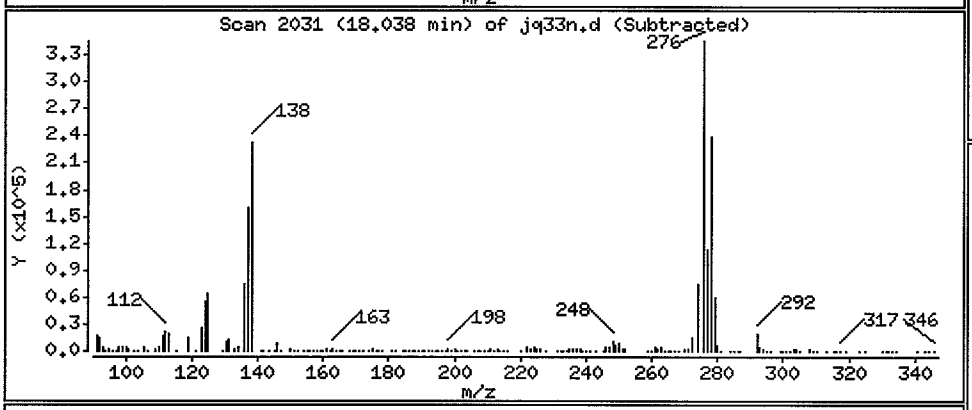
Column diameter: 0.25

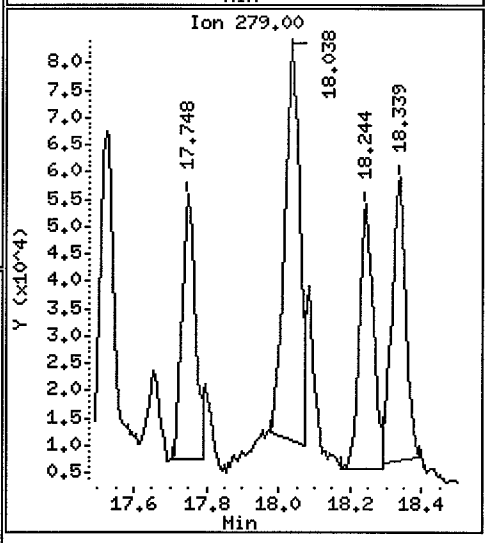
34 Dibenz(a,h)anthracene

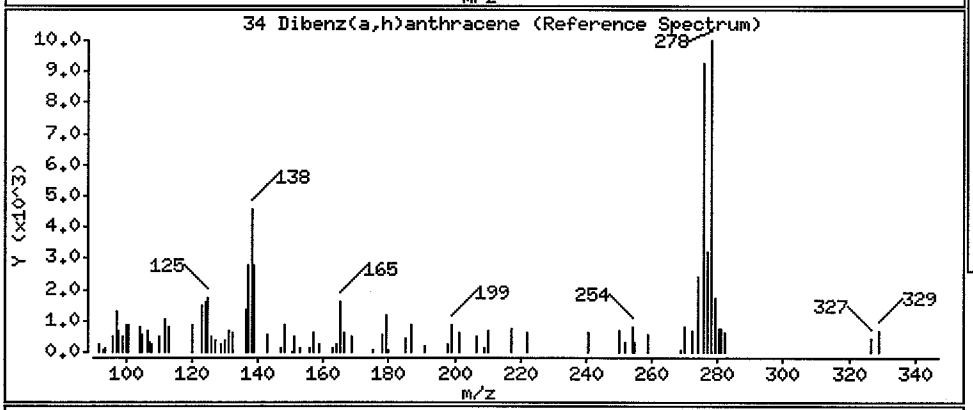
Concentration: 4297 ug/kg

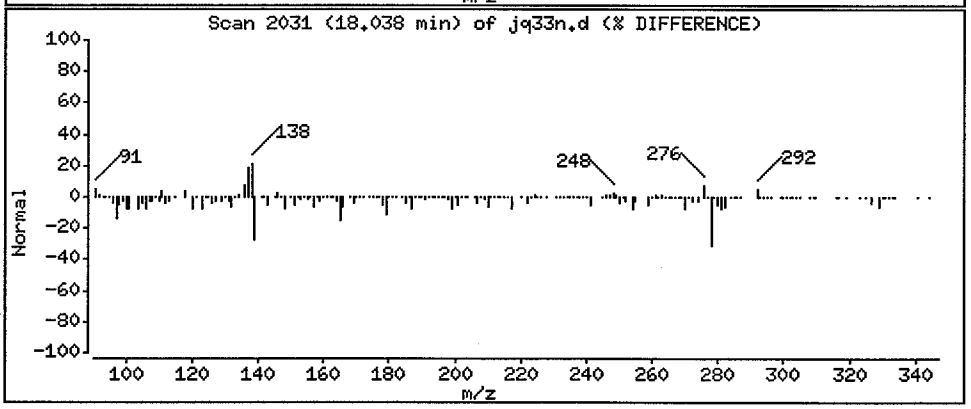












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

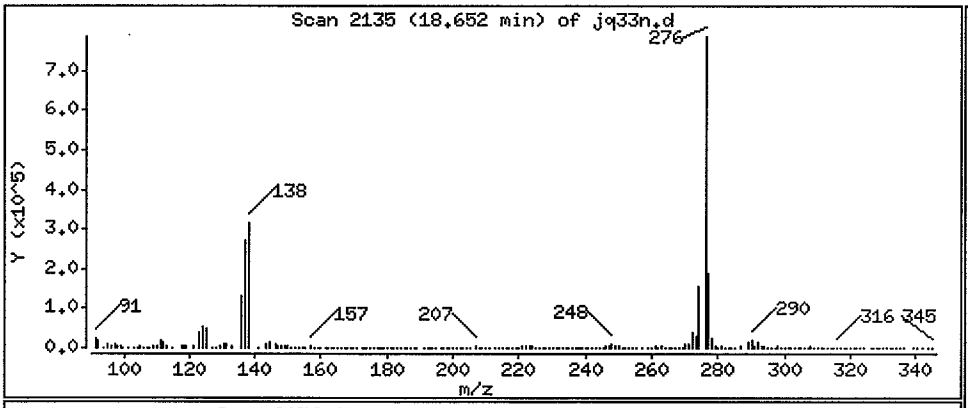
Operator: VTS

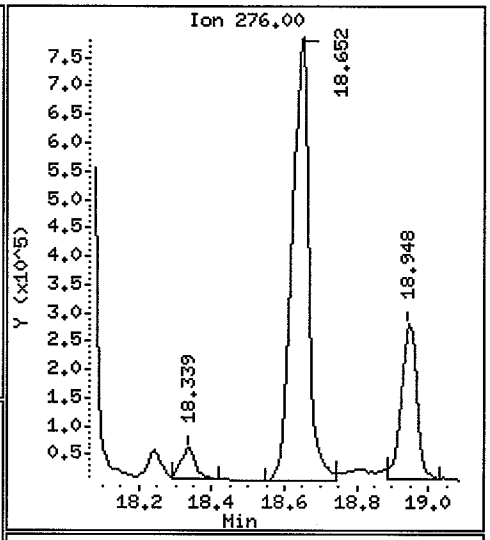
Column phase: ZB-5

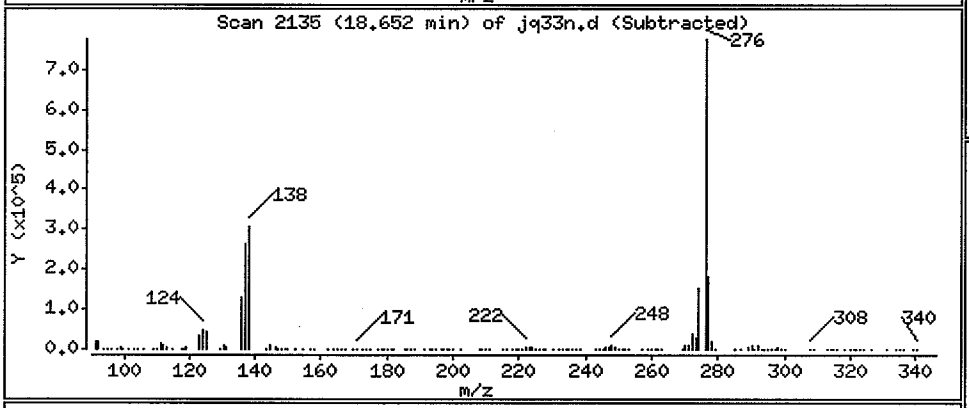
Column diameter: 0.25

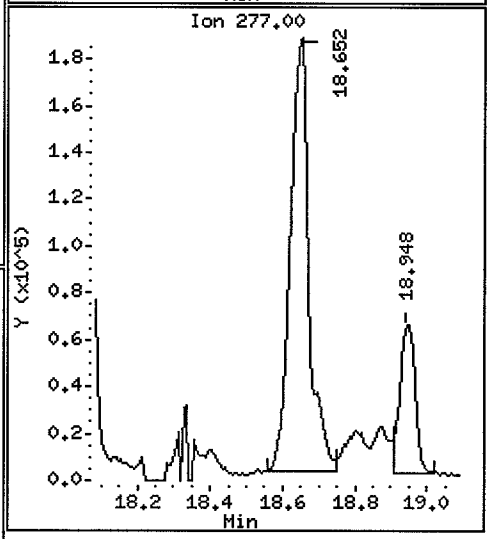
35 Benzo(g,h,i)perylene

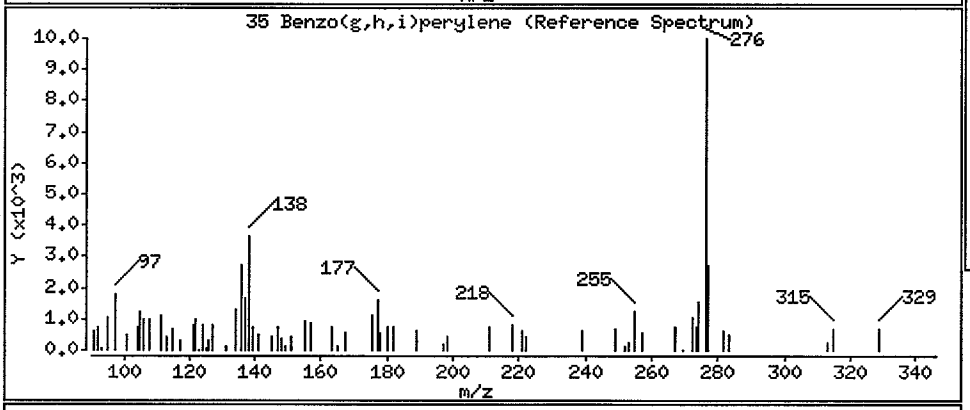
Concentration: 11660 ug/kg

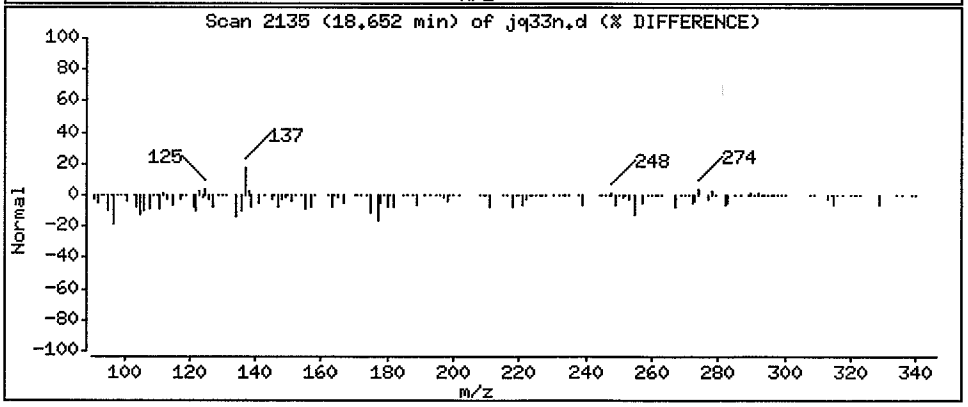












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

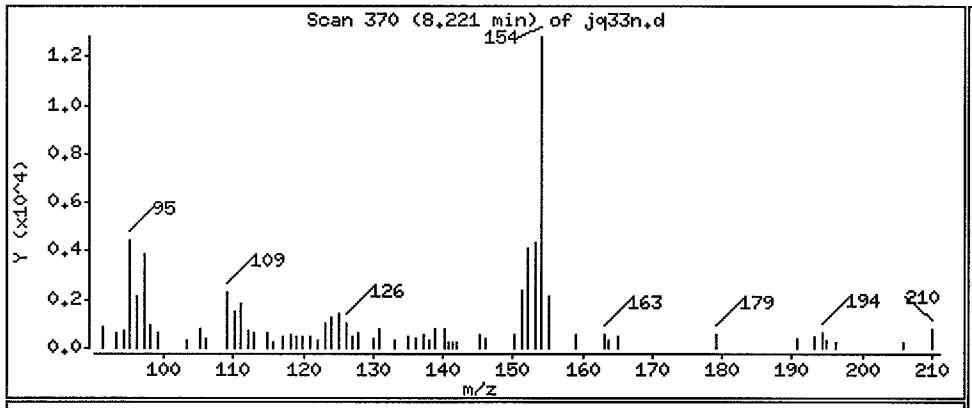
Operator: VTS

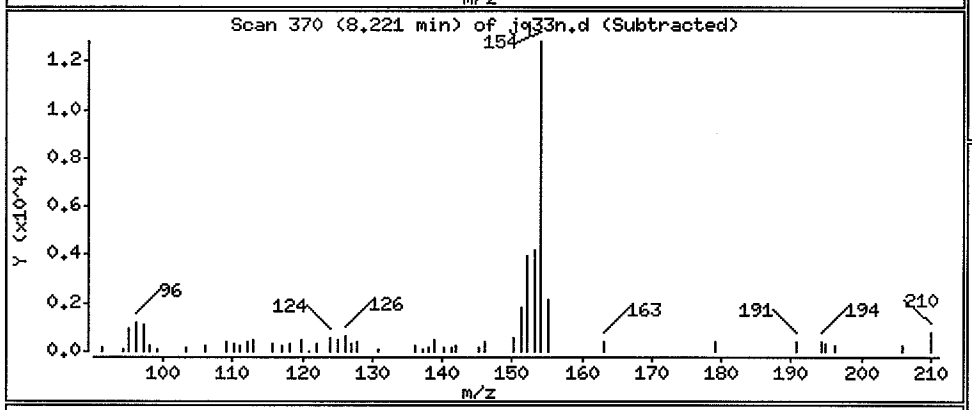
Column phase: ZB-5

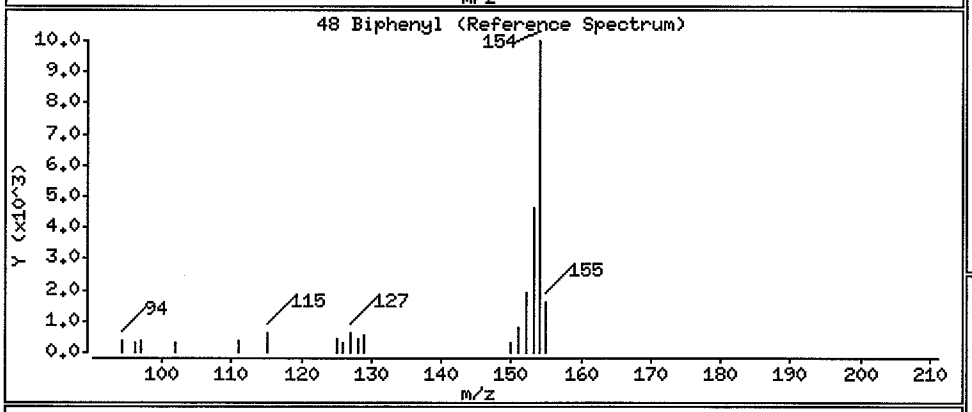
Column diameter: 0.25

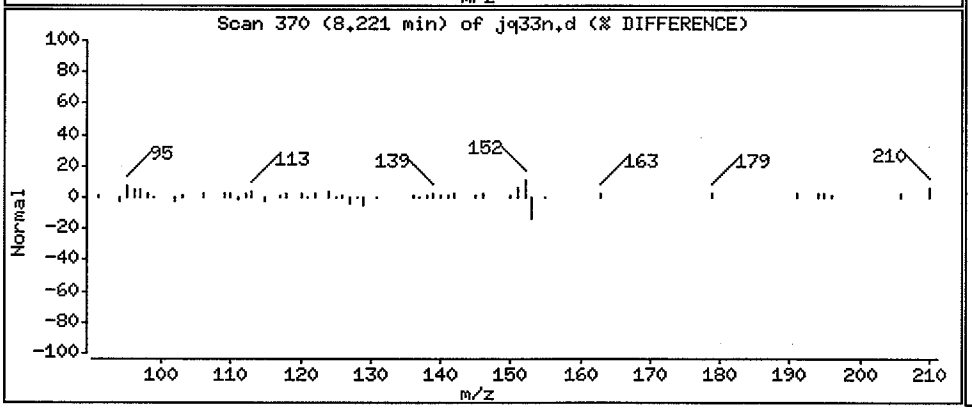
48 Biphenyl

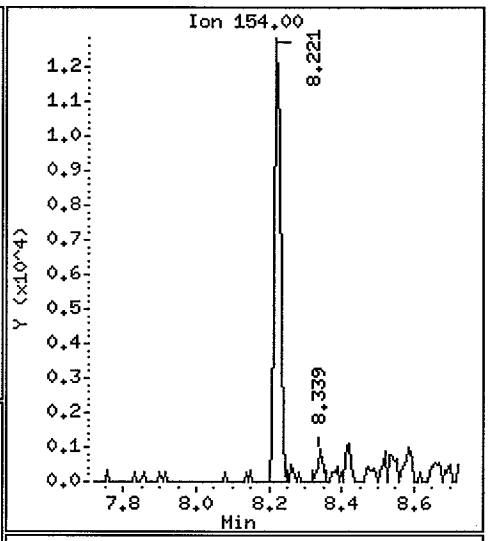
Concentration: 79.50 ug/kg

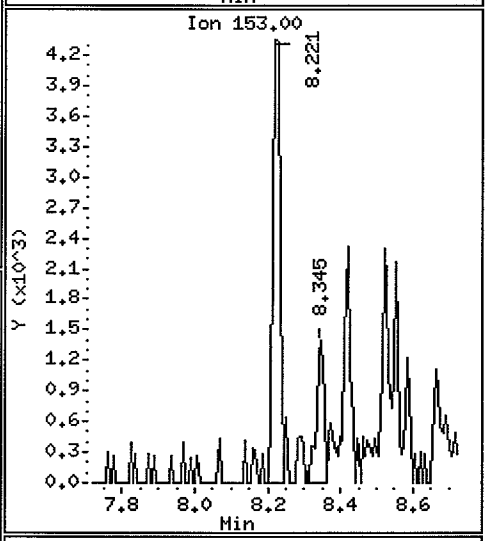


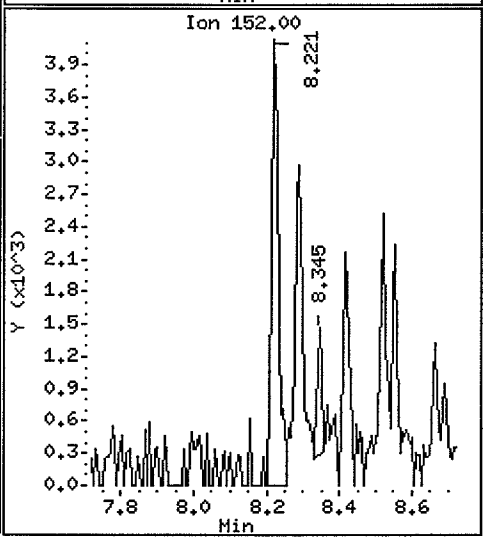












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

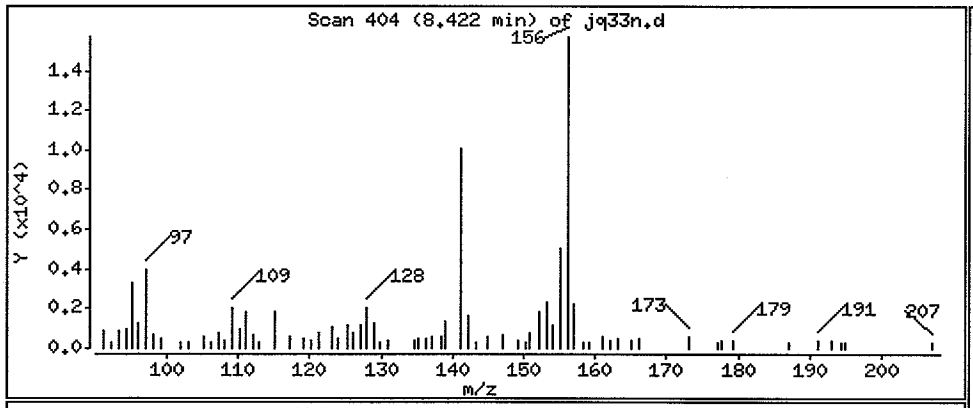
Operator: VTS

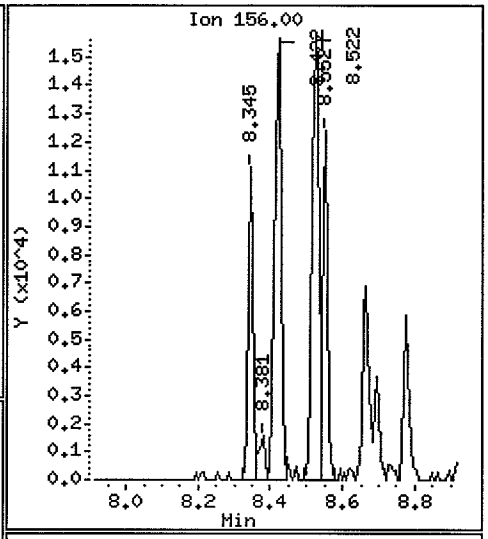
Column phase: ZB-5

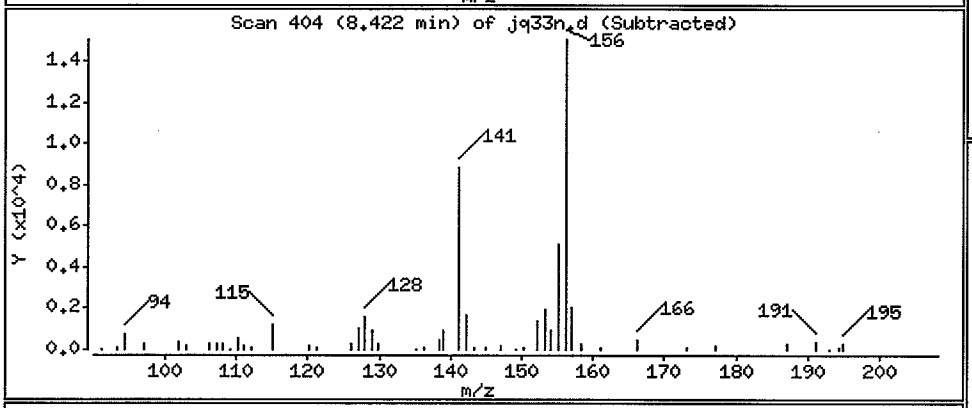
Column diameter: 0.25

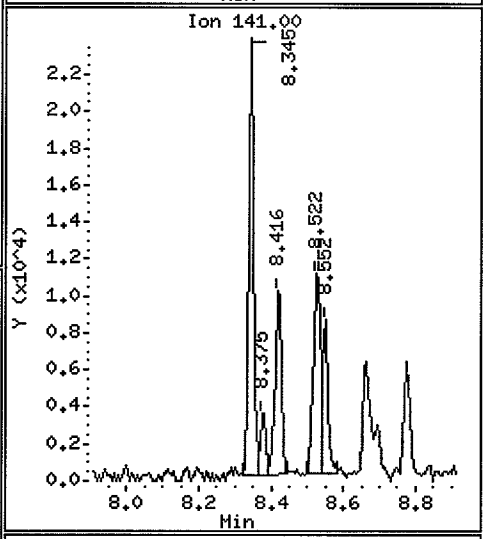
49 2,6-Dimethylnaphthalene

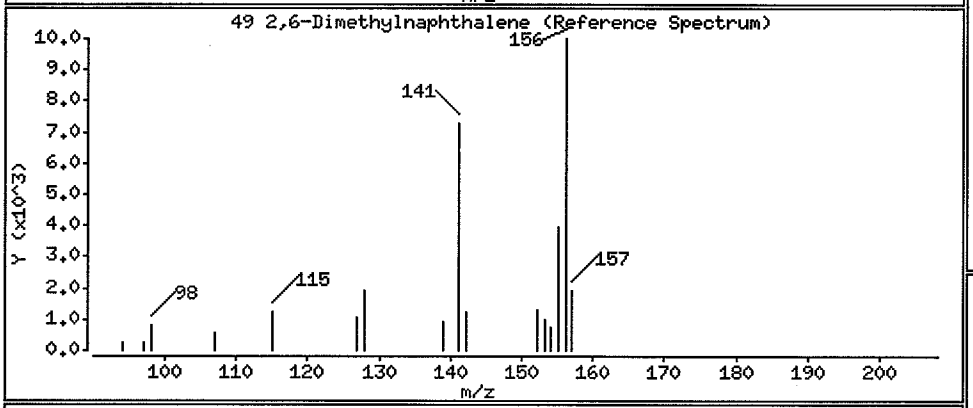
Concentration: 150.8 ug/kg

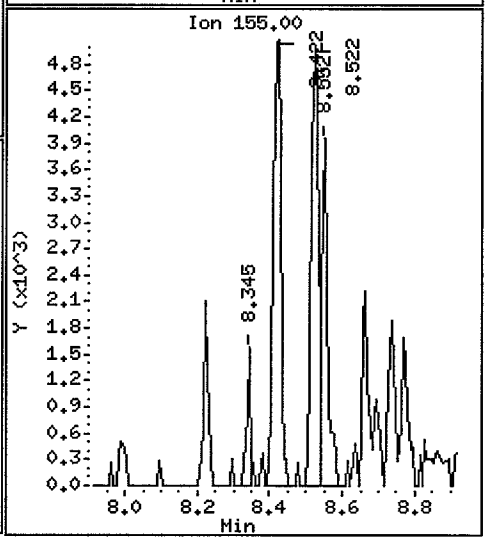


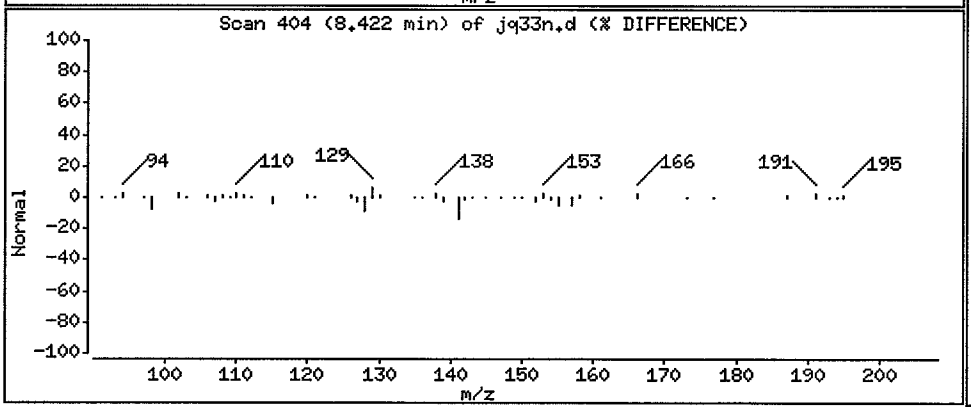












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

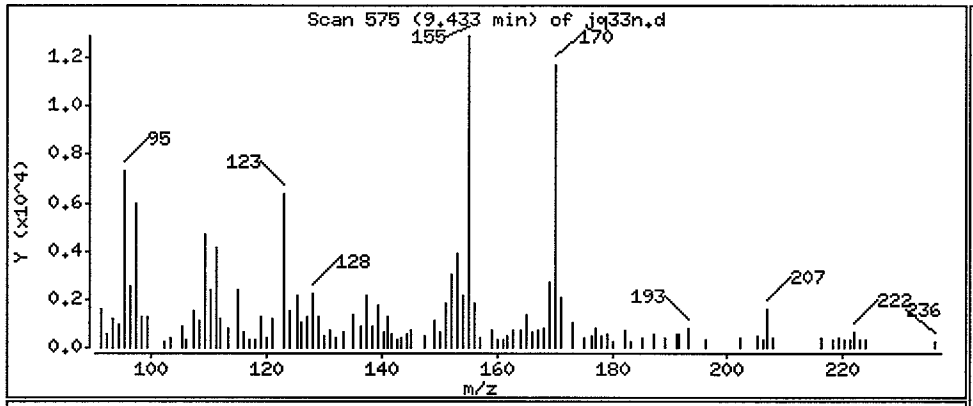
Operator: VTS

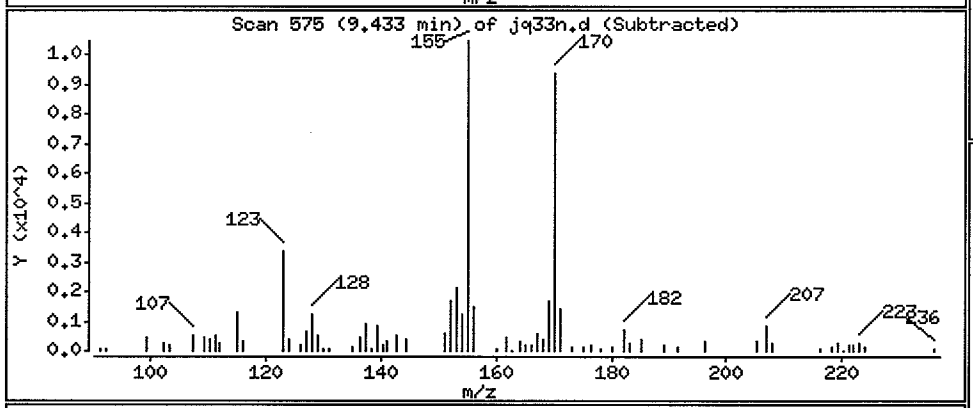
Column phase: ZB-5

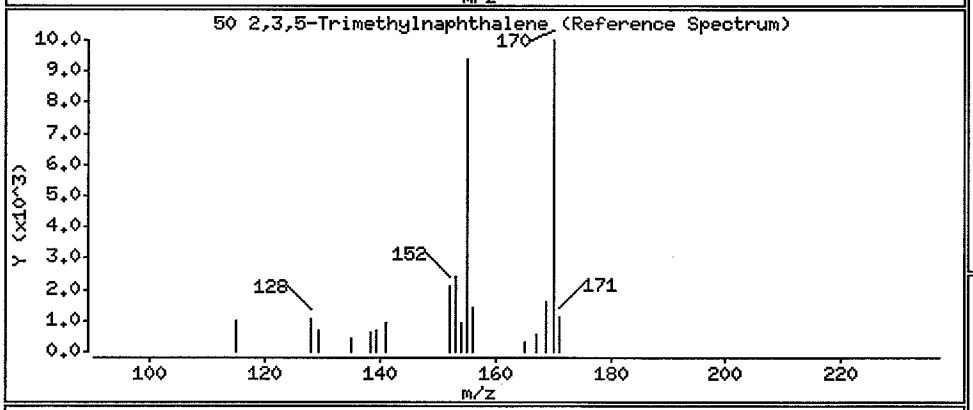
Column diameter: 0.25

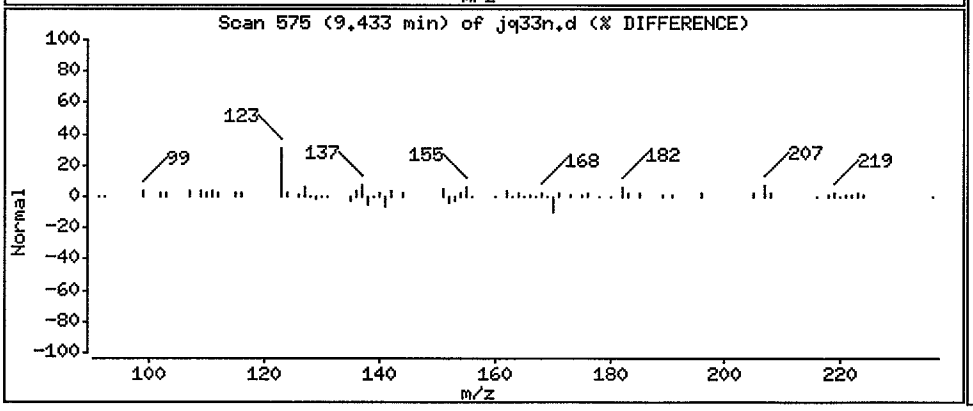
50 2,3,5-Trimethylnaphthalene

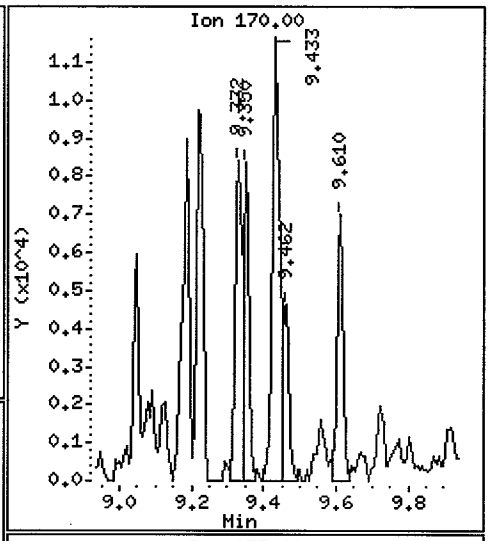
Concentration: 151.7 ug/kg

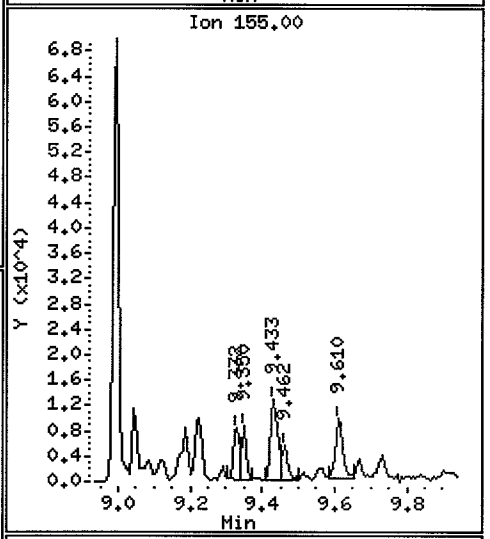


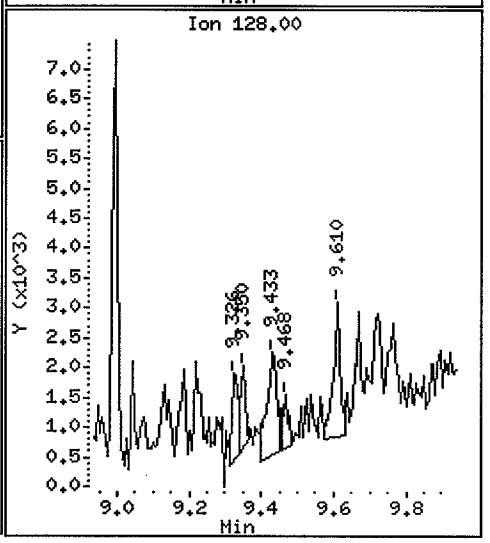












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

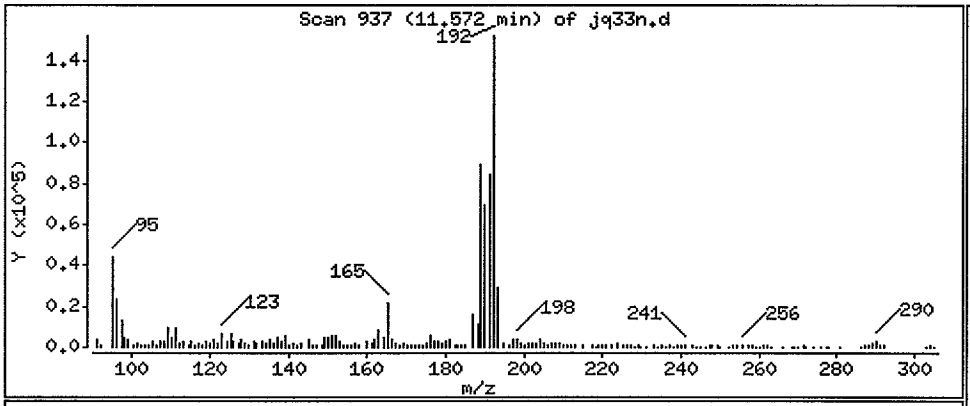
Operator: VTS

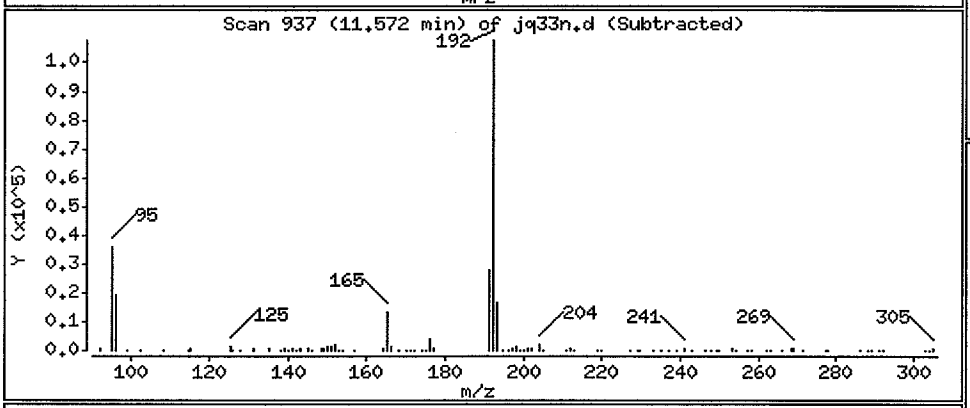
Column phase: ZB-5

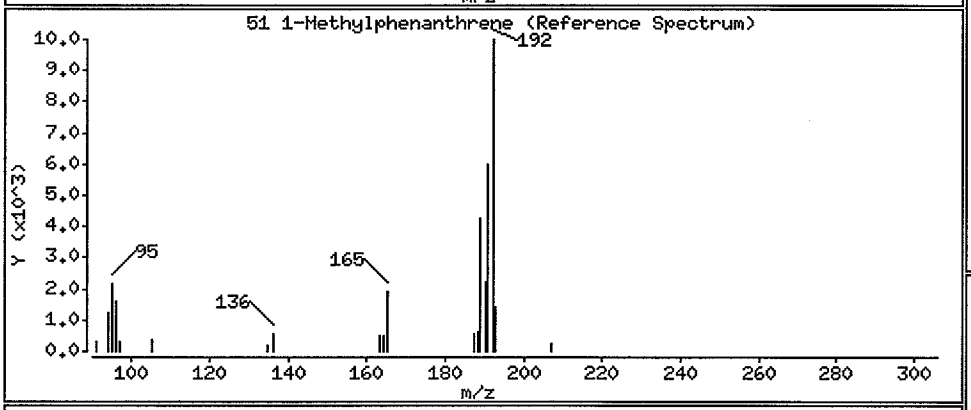
Column diameter: 0.25

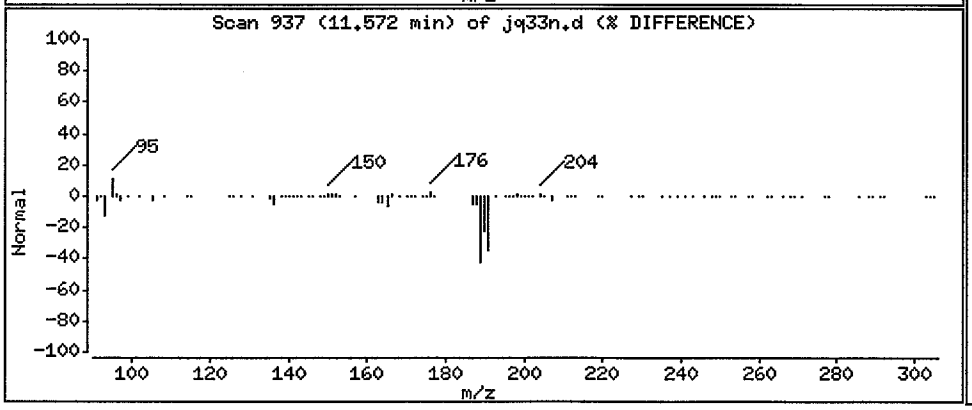
51 1-Methylphenanthrene

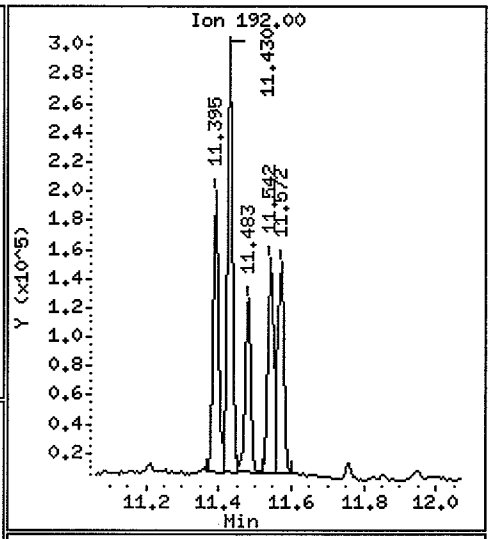
Concentration: 950.5 ug/kg

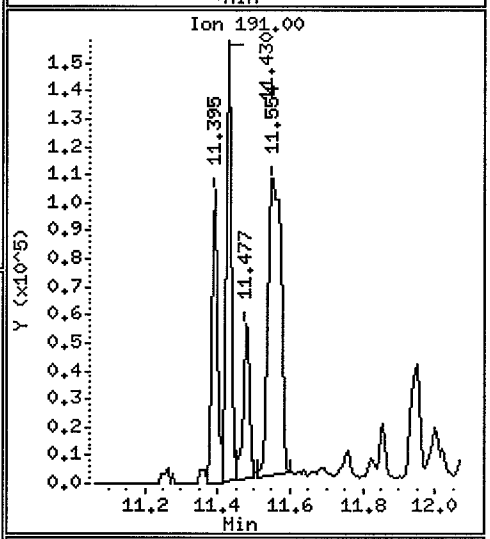


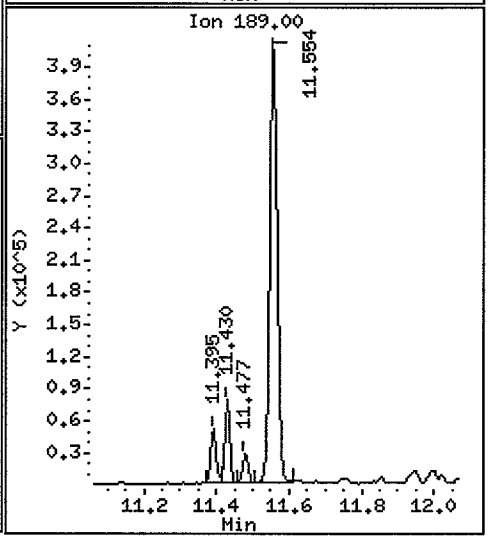












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

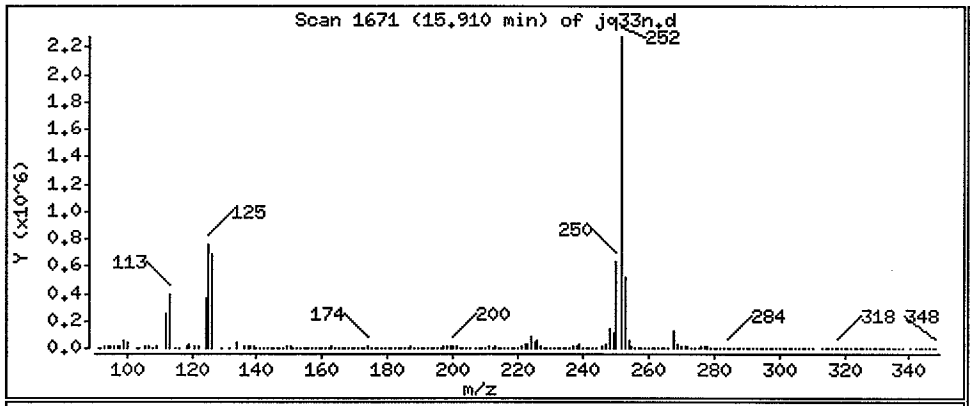
Operator: VTS

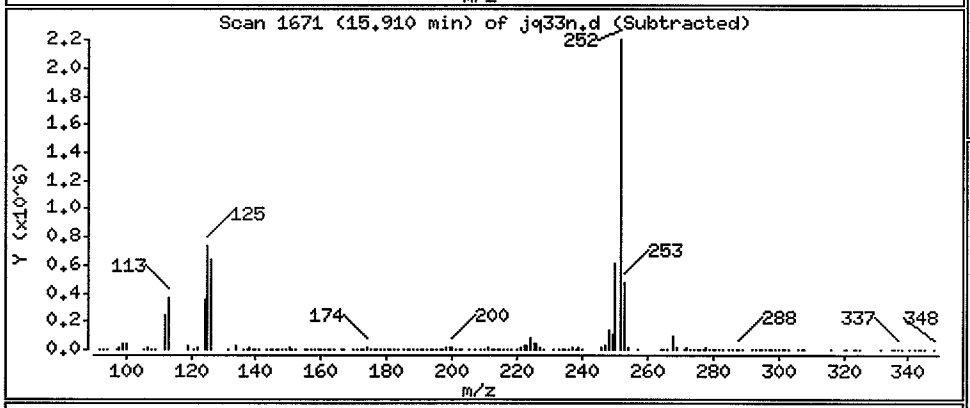
Column phase: ZB-5

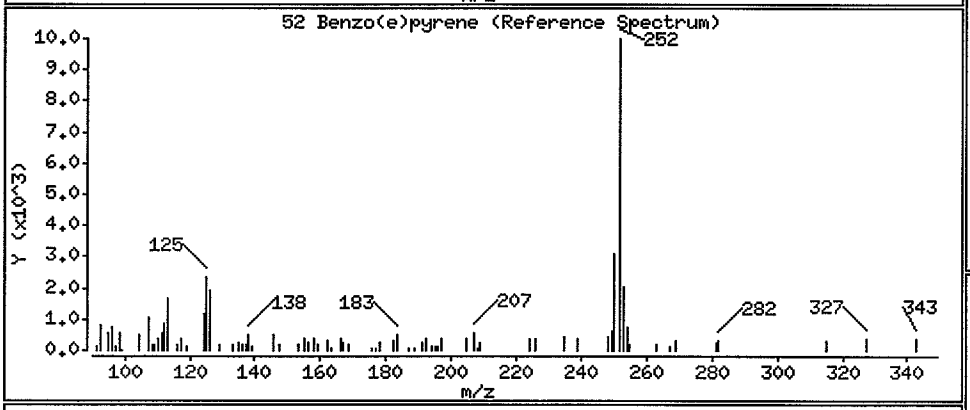
Column diameter: 0.25

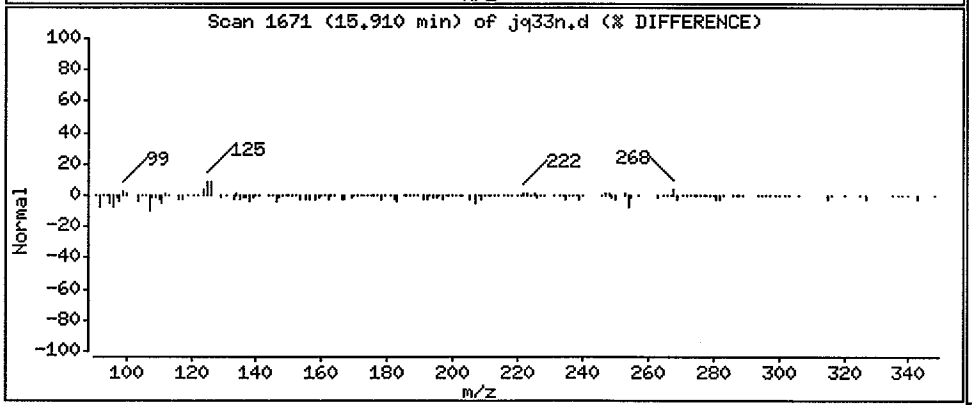
52 Benzo(e)pyrene

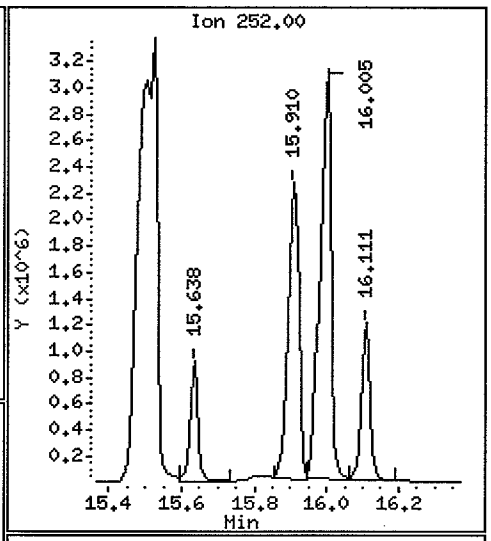
Concentration: 17880 ug/kg

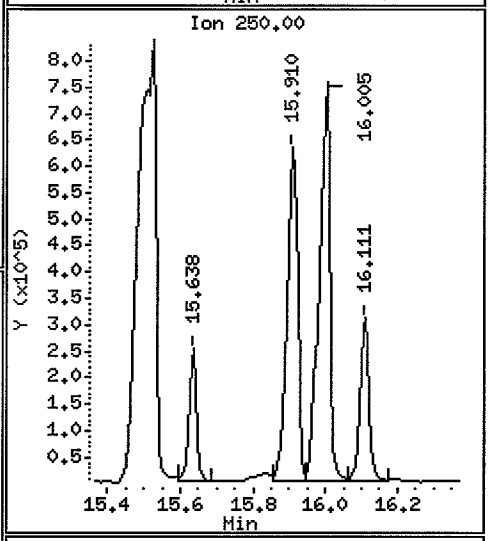


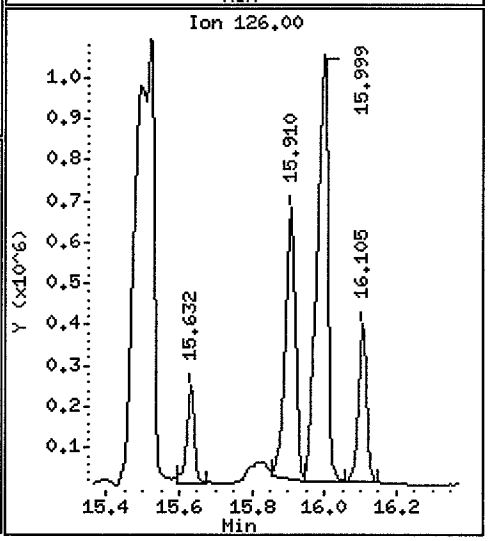












Data File: /chem3/nt1.i/20060807.b/jq33n.d

Date : 07-AUG-2006 17:03

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,10

Volume Injected (uL): 1.0

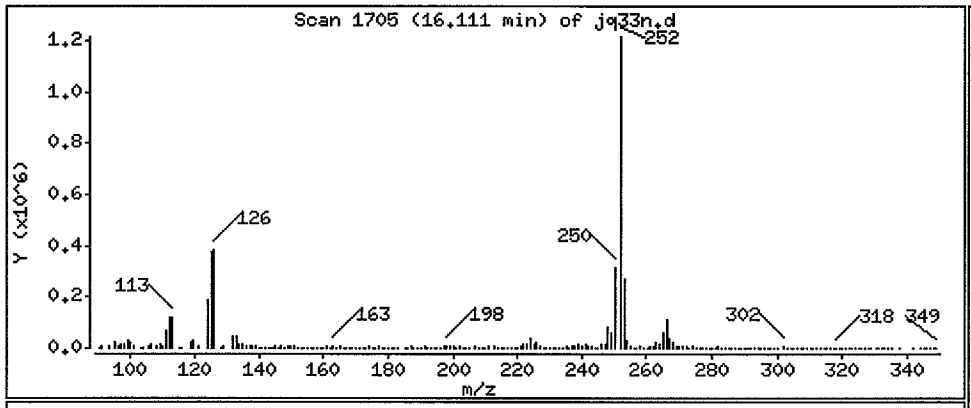
Operator: VTS

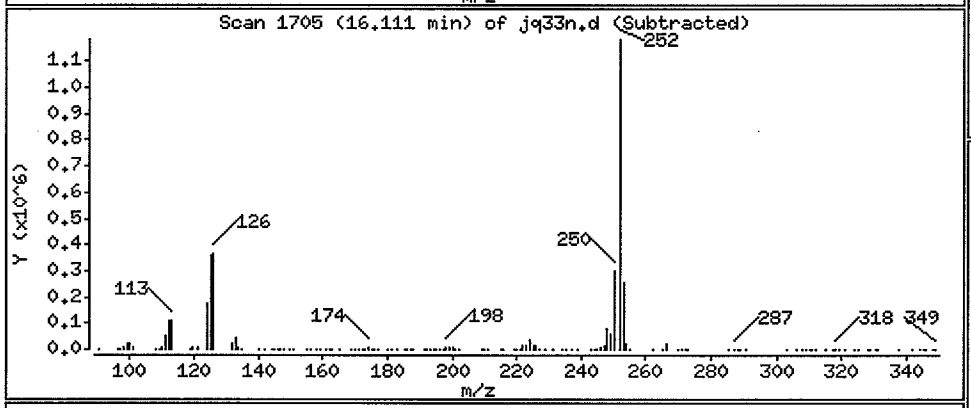
Column phase: ZB-5

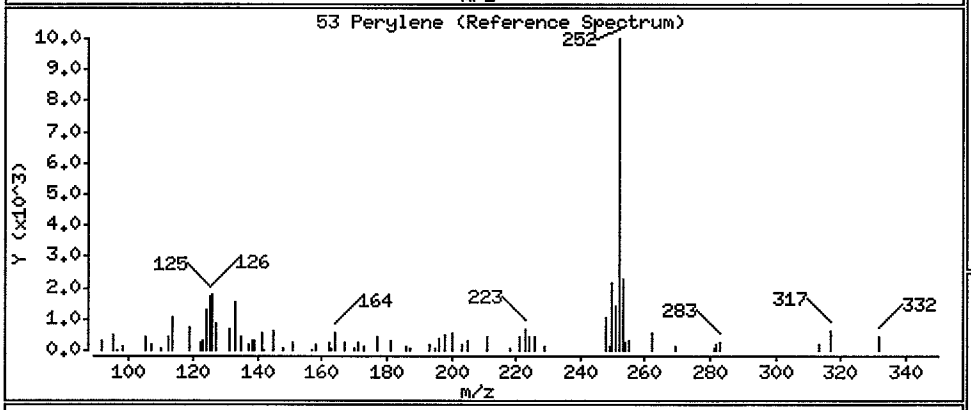
Column diameter: 0.25

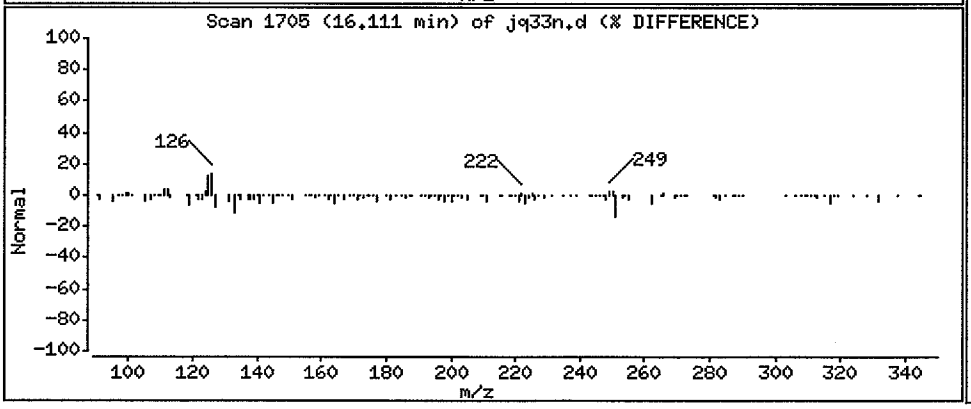
53 Perylene

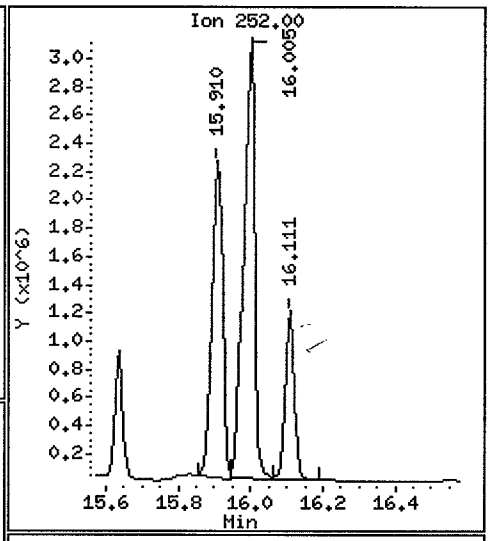
Concentration: 8888 ug/kg

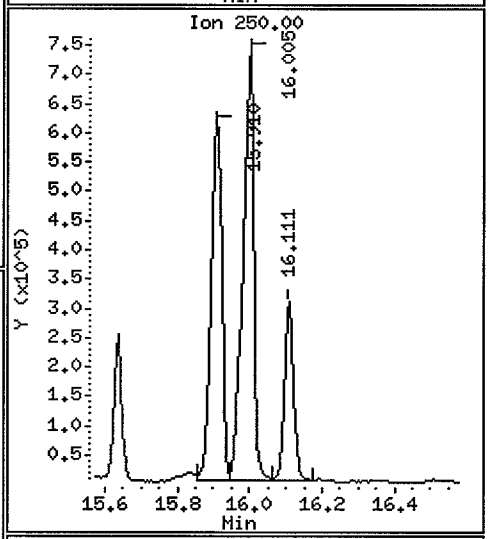


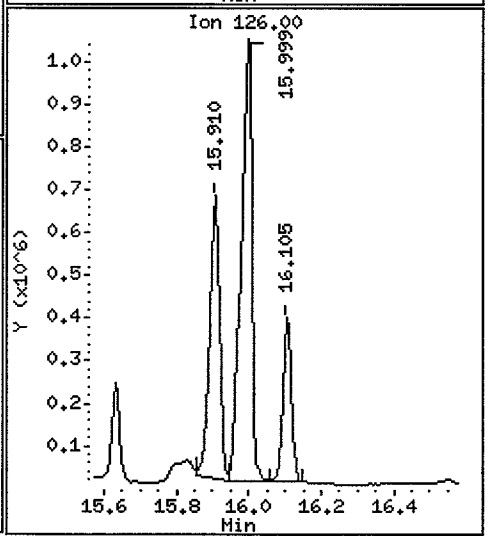












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-01-E
DILUTION

Lab Sample ID: JQ33N
LIMS ID: 06-12936
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 20:44
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.3 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 100
Percent Moisture: 48.8%
pH: 6.9

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	**480**	**730**	
91-57-6	**2-Methylnaphthalene**	**480**	**390**	**J**
90-12-0	1-Methylnaphthalene	480	< 480	U
208-96-8	Acenaphthylene	480	< 480	U
83-32-9	**Acenaphthene**	**480**	**4,700**	
86-73-7	**Fluorene**	**480**	**1,900**	
85-01-8	**Phenanthrene**	**480**	**16,000**	**B**
120-12-7	**Anthracene**	**480**	**4,000**	
206-44-0	**Fluoranthene**	**480**	**38,000**	
129-00-0	**Pyrene**	**480**	**33,000**	
56-55-3	**Benzo(a)anthracene**	**480**	**25,000**	
218-01-9	**Chrysene**	**480**	**28,000**	
205-99-2	**Benzo(b)fluoranthene**	**480**	**34,000**	
207-08-9	**Benzo(k)fluoranthene**	**480**	**27,000**	
50-32-8	**Benzo(a)pyrene**	**480**	**34,000**	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**480**	**15,000**	
53-70-3	**Dibenz(a,h)anthracene**	**480**	**5,200**	
191-24-2	**Benzo(g,h,i)perylene**	**480**	**16,000**	
198-55-0	**Perylene**	**490**	**9,400**	
92-52-4	Biphenyl	490	< 490	U
581-42-0	2,6-Dimethylnaphthalene	480	< 480	U
832-69-9	**1-Methylphenanthrene**	**480**	**1,000**	
192-97-2	**Benzo(e)pyrene**	**480**	**19,000**	
2245-38-7	2,3,5-Trimethylnaphthalene	480	< 480	U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	D
d14-Dibenzo(a,h)anthracen	D

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33n100.d
Lab Smp Id: JQ33N Client Smp ID: T4-S3-01-E
Inj Date : 04-AUG-2006 20:44
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33N,100
Misc Info : 06-12936
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 26
Dil Factor: 100.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	100.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	20.10000	Weight of sample extracted (g)
M	48.80000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)	
*	1 Naphthalene-d8	136	6.887	6.883	(1.000)	271920	2.00000		
	2 Naphthalene	128	6.905	6.907	(1.003)	20607	0.15193	738.2	
$	3 2-Methylnaphthalene-d10	152	Compound Not Detected.						
	4 2-Methylnaphthalene	142	7.679	7.681	(1.115)	6457	0.08039	390.6	J
	5 1-Methylnaphthalene	142	Compound Not Detected.						
	7 Acenaphthylene	152	Compound Not Detected.						
*	8 Acenaphthene-d10	164	8.950	8.946	(1.000)	145808	2.00000		
	9 Acenaphthene	153	8.985	8.987	(1.004)	69250	0.96726	4699	
	10 Dibenzofuran	168	9.174	9.170	(1.025)	15281	0.14490	704.0	
	11 Fluorene	166	9.600	9.596	(1.073)	32347	0.39401	1914	
*	15 Phenanthrene-d10	188	10.758	10.760	(1.000)	236513	2.00000		
	16 Phenanthrene	178	10.788	10.790	(1.003)	411393	3.38878	16460	B
	17 Anthracene	178	10.847	10.843	(1.008)	101143	0.83370	4051	
	19 Fluoranthene	202	12.283	12.279	(1.142)	958629	7.74191	37610	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)	
	20 Pyrene	202	12.573	12.569	(0.893)	935400	6.87572	33410	
	22 Benzo(a)anthracene	228	14.056	14.052	(0.999)	659840	5.17191	25130	
*	23 Chrysene-d12	240	14.074	14.070	(1.000)	211864	2.00000		
	24 Chrysene	228	14.109	14.105	(1.003)	683883	5.81160	28240	
	28 Benzo(b)fluoranthene	252	15.451	15.447	(0.964)	804930	6.98717	33950	
	29 Benzo(k)fluoranthene	252	15.480	15.476	(0.966)	685893	5.58475	27130	
	30 Benzo(a)pyrene	252	15.947	15.938	(0.995)	794652	7.07916	34390	
*	31 Perylene-d12	264	16.030	16.026	(1.000)	204121	2.00000		
	33 Indeno(1,2,3-cd)pyrene	276	17.992	17.988	(1.122)	408517	3.16459	15380	
$	32 Dibenz(a,h)anthrancene-d14	292	17.903	17.906	(1.117)	5946	0.07612	369.8(R)	
	34 Dibenz(a,h)anthracene	278	17.980	17.976	(1.122)	113171	1.07314	5214	
	35 Benzo(g,h,i)perylene	276	18.577	18.562	(1.159)	364545	3.39722	16510	
	48 Biphenyl	154	Compound Not Detected.						
	49 2,6-Dimethylnaphthalene	156	Compound Not Detected.						
	50 2,3,5-Trimethylnaphthalene	170	9.428	9.430	(1.053)	1693	~~0.02913~~	141.5	<DL
	51 1-Methylphenanthrene	192	11.562	11.564	(0.822)	17869	0.20605	1001	
	52 Benzo(e)pyrene	252	15.870	15.861	(0.990)	496982	3.99972	19430	
	53 Perylene	252	16.071	16.068	(1.003)	224657	1.92565	9356	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

VTS

8.8.2006

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33n100.d
Lab Smp Id: JQ33N
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12936

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: T4-S3-01-E
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	271920	22.04
8 Acenaphthene-d10	123591	61796	247182	145808	17.98
15 Phenanthrene-d10	200797	100398	401594	236513	17.79
23 Chrysene-d12	171210	85605	342420	211864	23.75
31 Perylene-d12	183426	91713	366852	204121	11.28

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.89	0.04
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	0.03
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.03
23 Chrysene-d12	14.08	13.58	14.58	14.07	-0.02
31 Perylene-d12	16.03	15.53	16.53	16.03	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

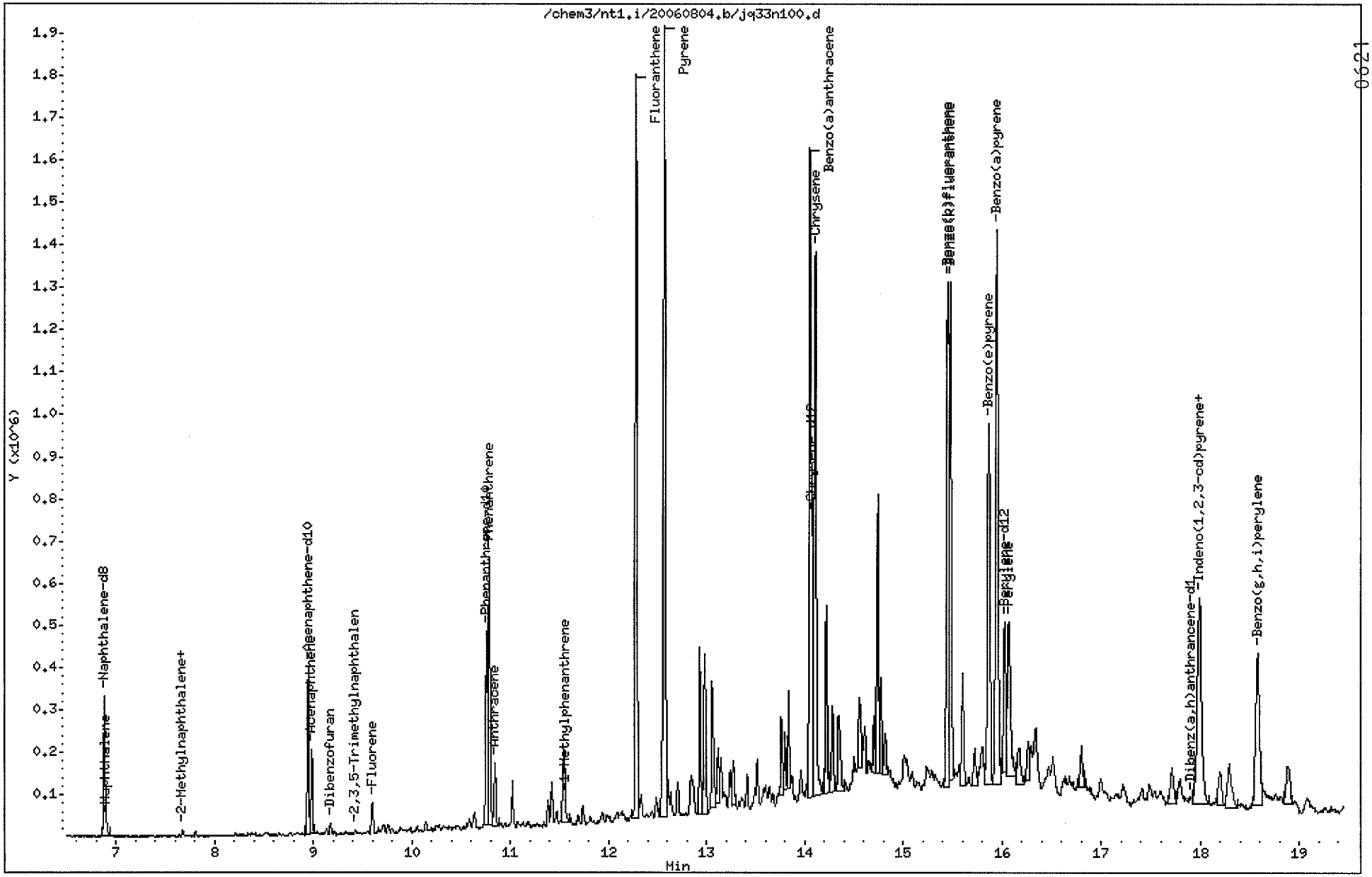
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33N
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12936

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-S3-01-E
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthale	145.8	0.000	*	32-97
$ 32 Dibenz(a,h)anthran	145.8	369.8	253.72*	21-105

Data File: /chem3/nt1.i/20060804.b/jq33n100.d
Date : 04-AUG-2006 20:44
Client ID: T4-S3-01-E
Sample Info: JQ33N,100
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

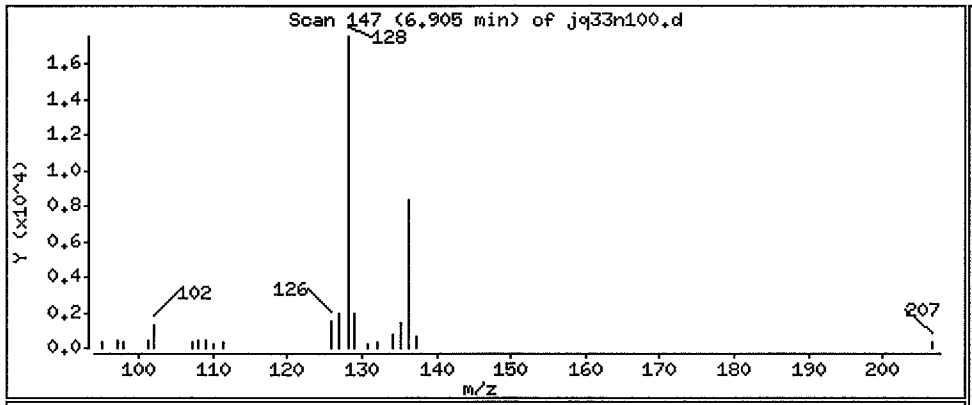
Operator: VTS

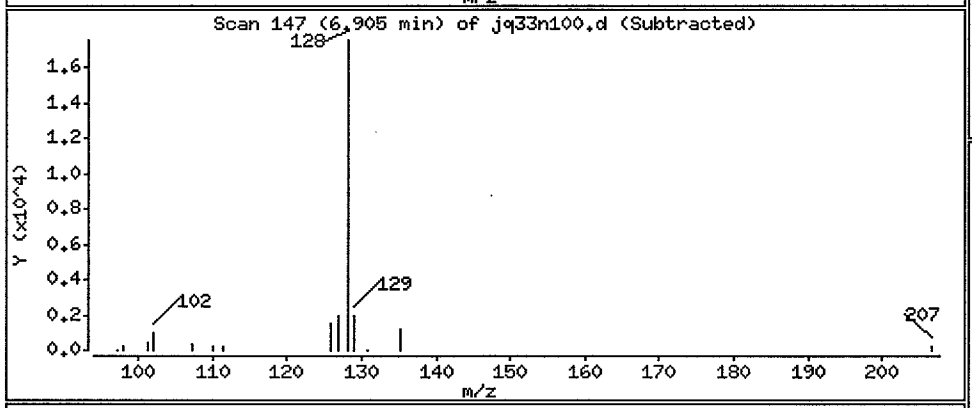
Column phase: ZB-5

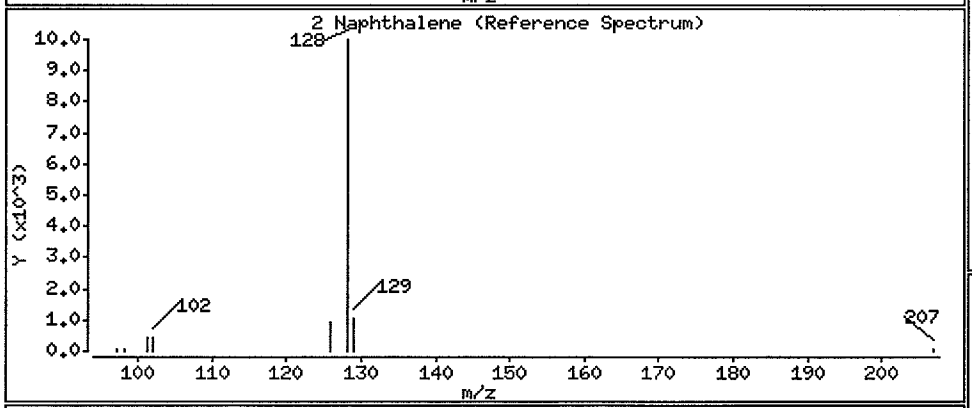
Column diameter: 0.25

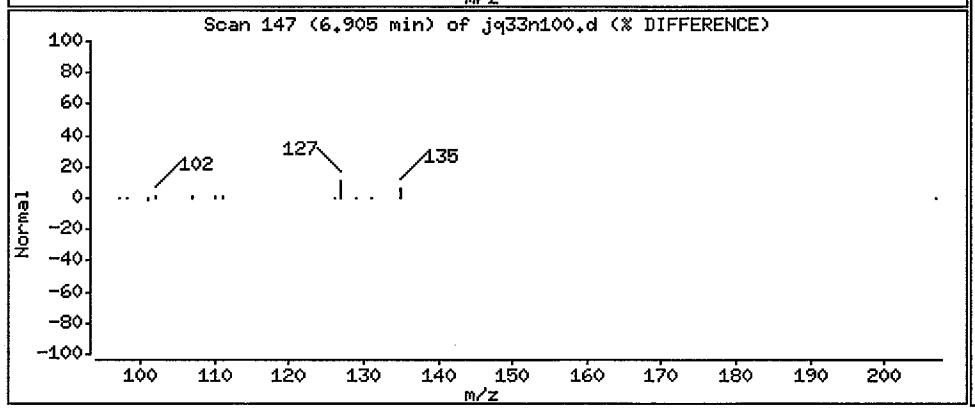
2 Naphthalene

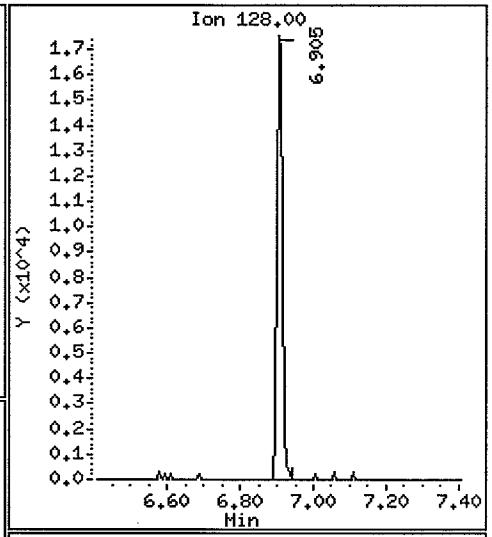
Concentration: 738.2 ug/kg

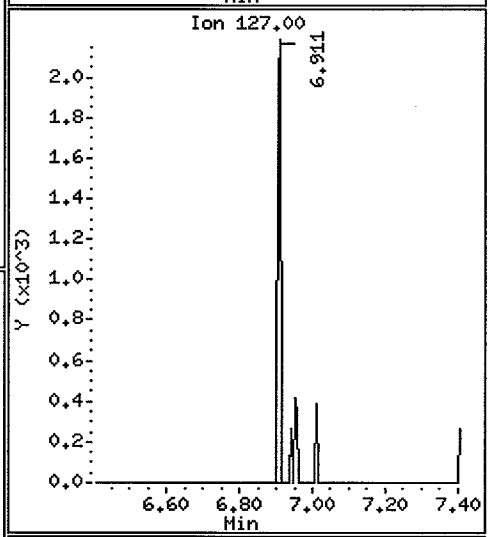


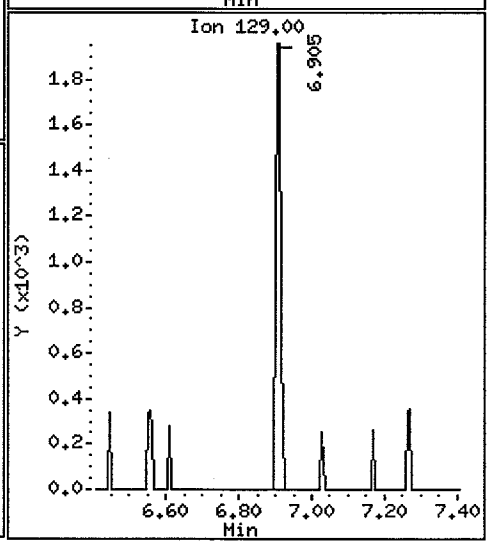












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

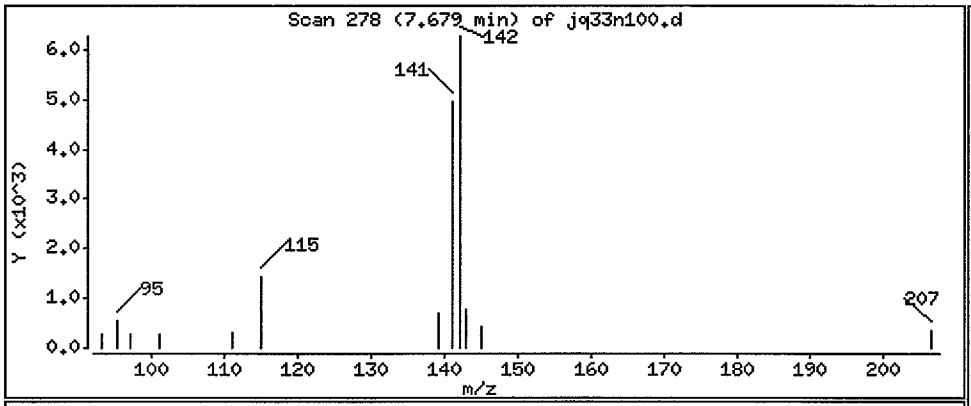
Operator: VTS

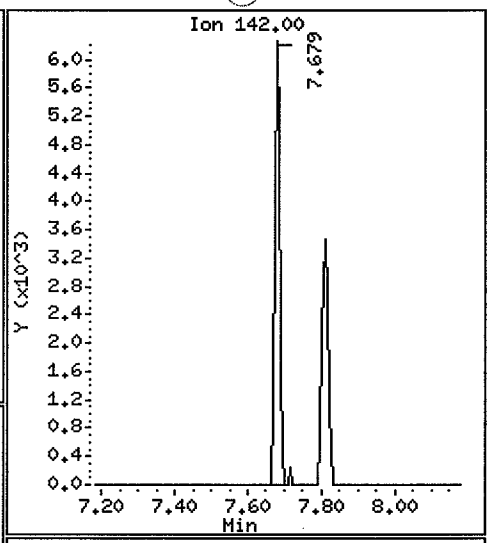
Column phase: ZB-5

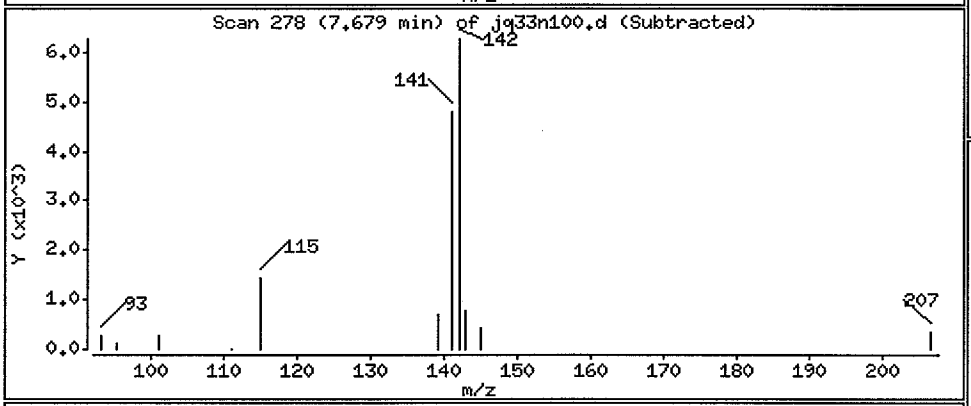
Column diameter: 0.25

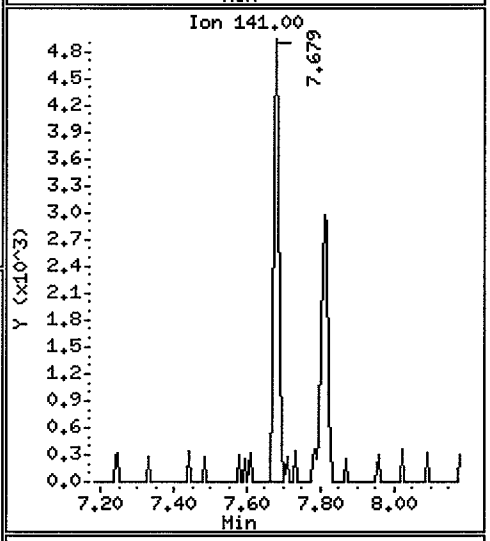
4 2-Methylnaphthalene

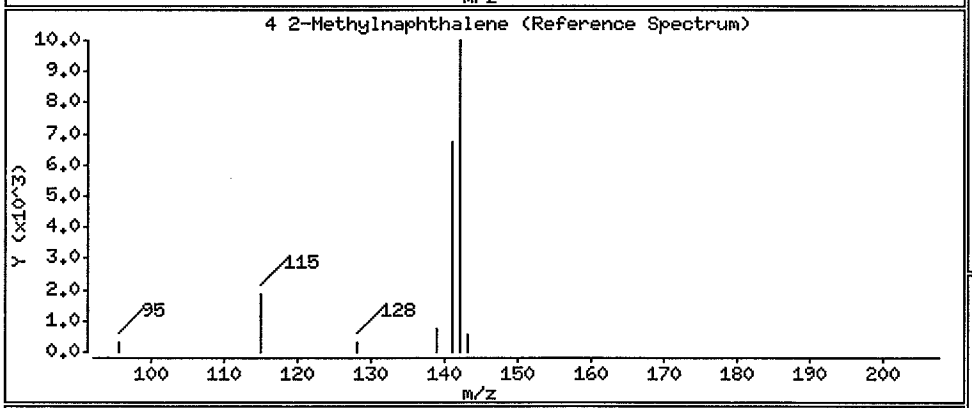
Concentration: 390.6 ug/kg

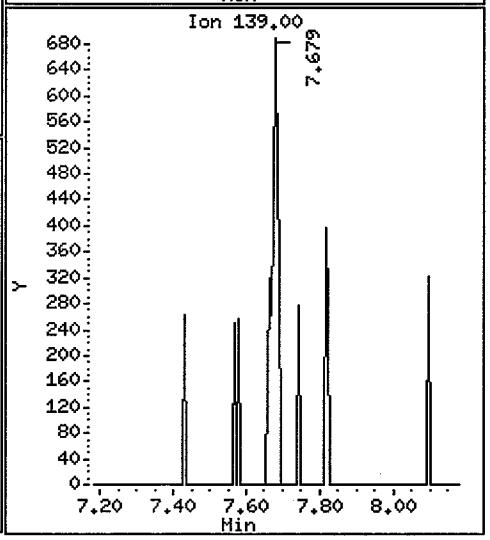


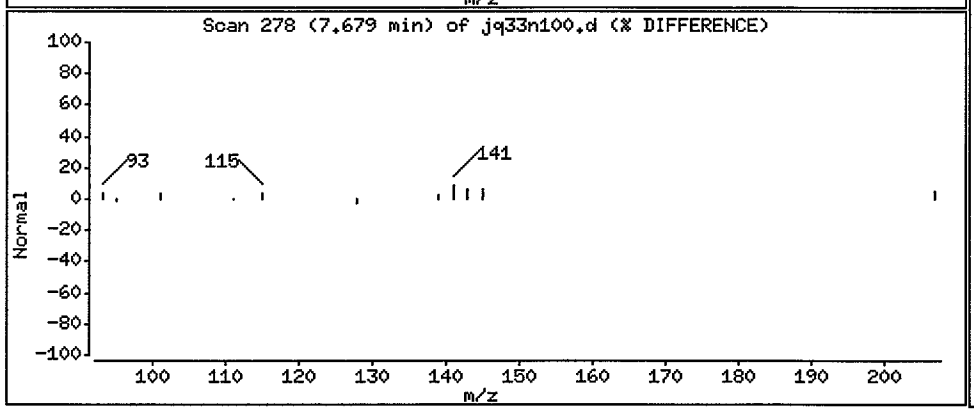












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

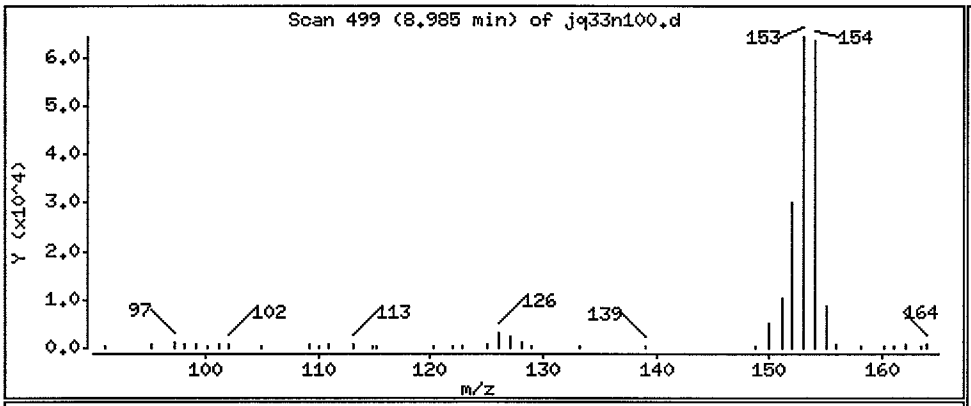
Operator: VTS

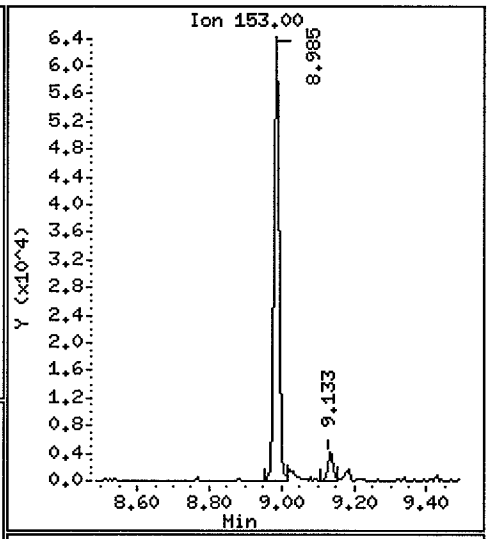
Column phase: ZB-5

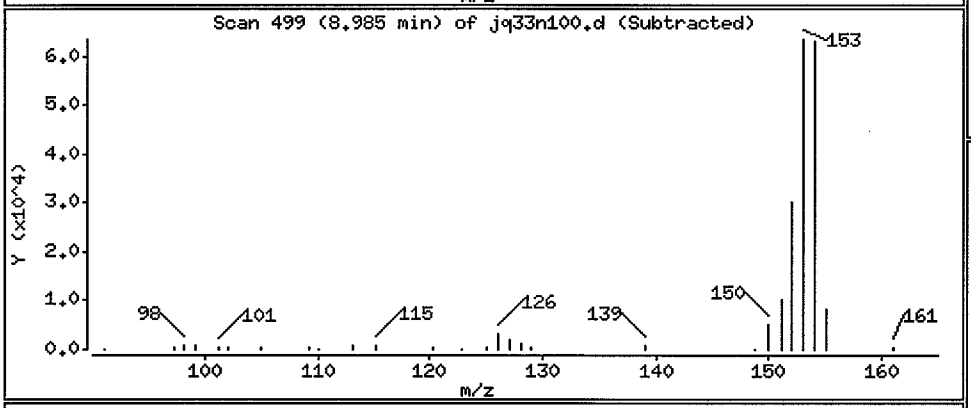
Column diameter: 0.25

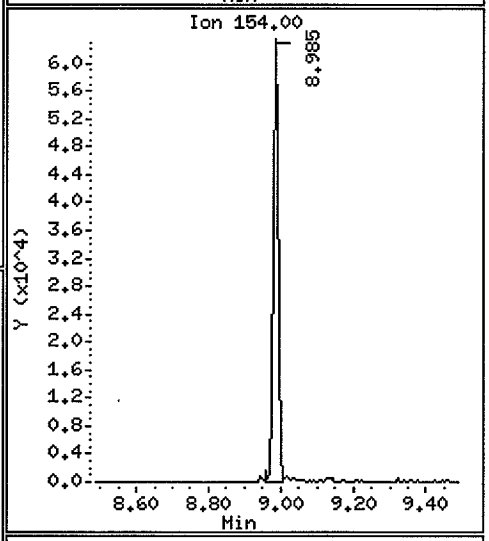
9 Acenaphthene

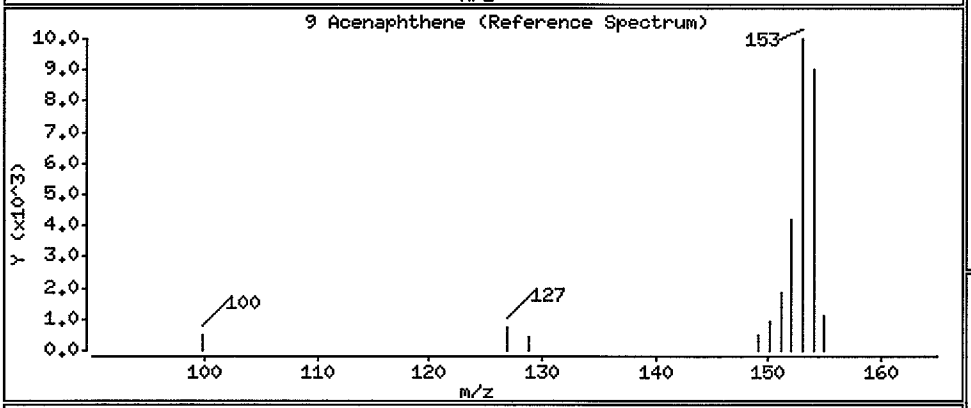
Concentration: 4699 ug/kg

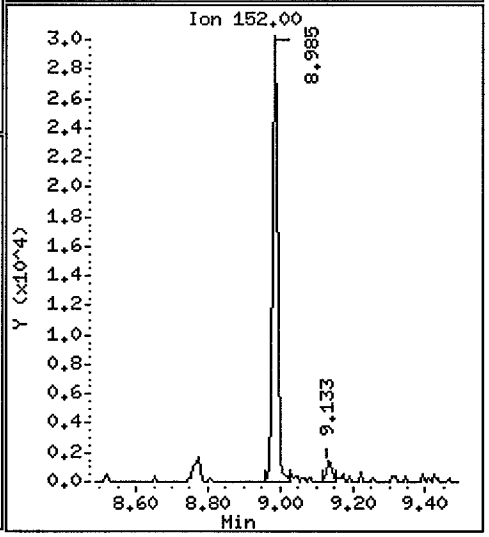


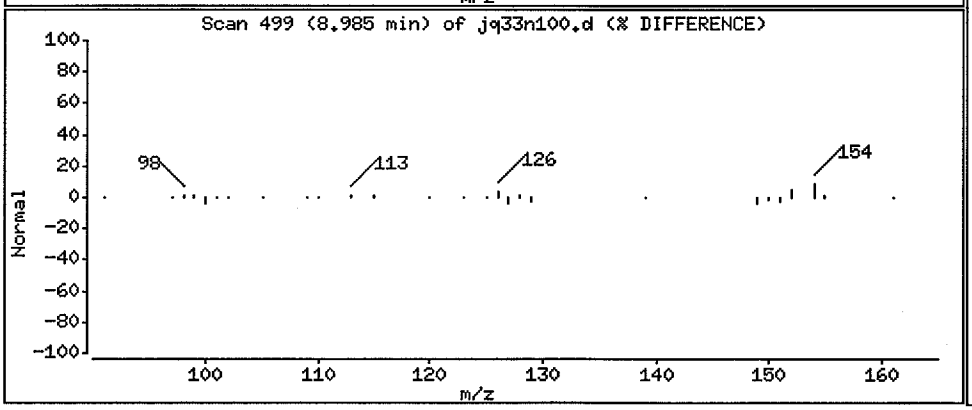












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

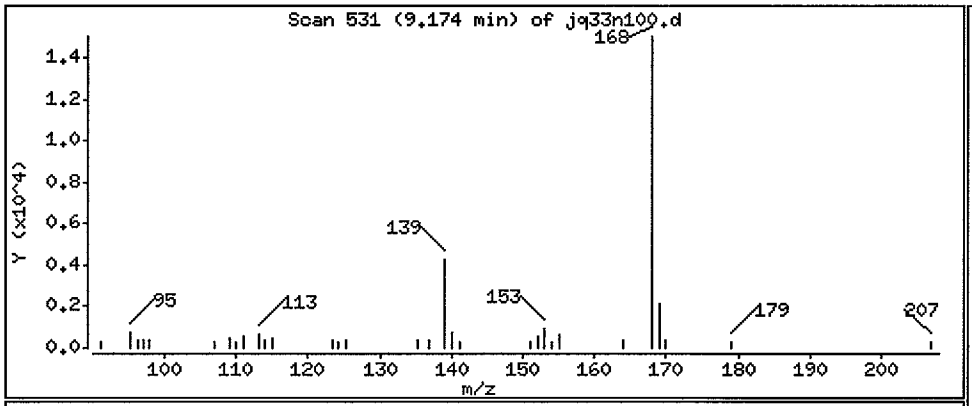
Operator: VTS

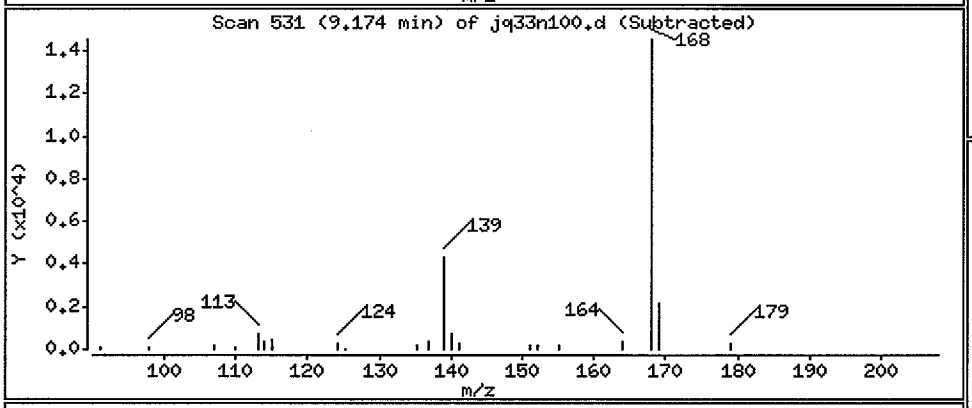
Column phase: ZB-5

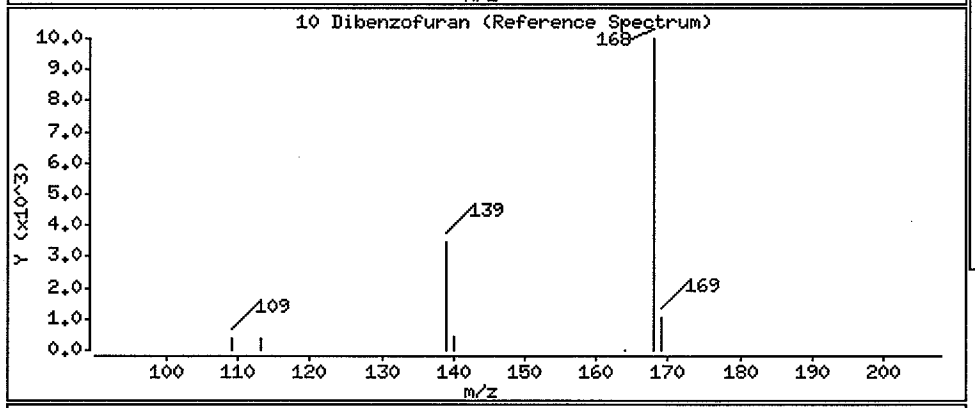
Column diameter: 0.25

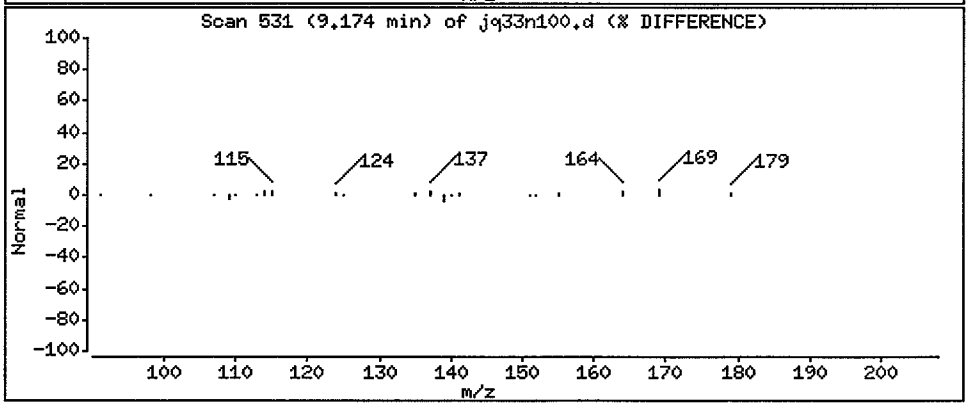
10 Dibenzofuran

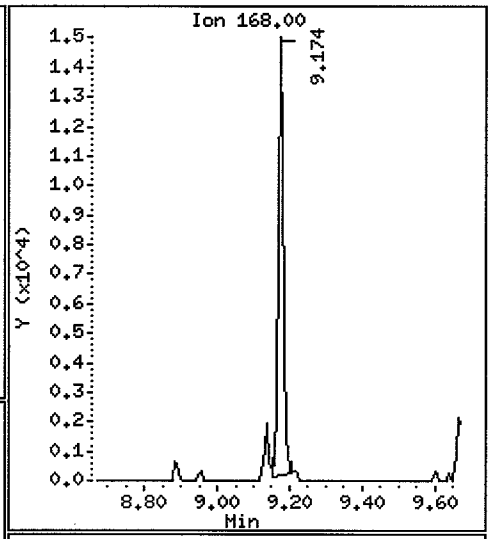
Concentration: 704.0 ug/kg

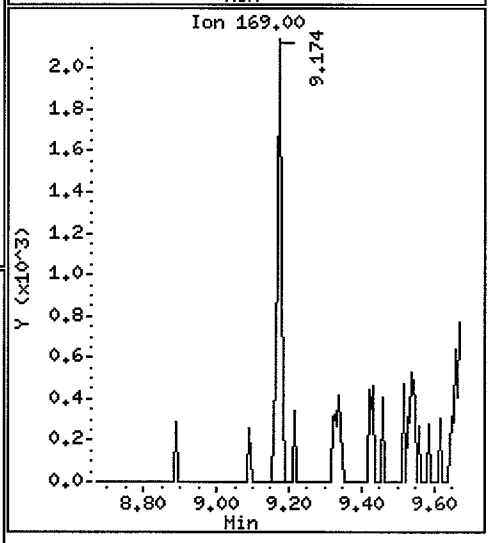












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

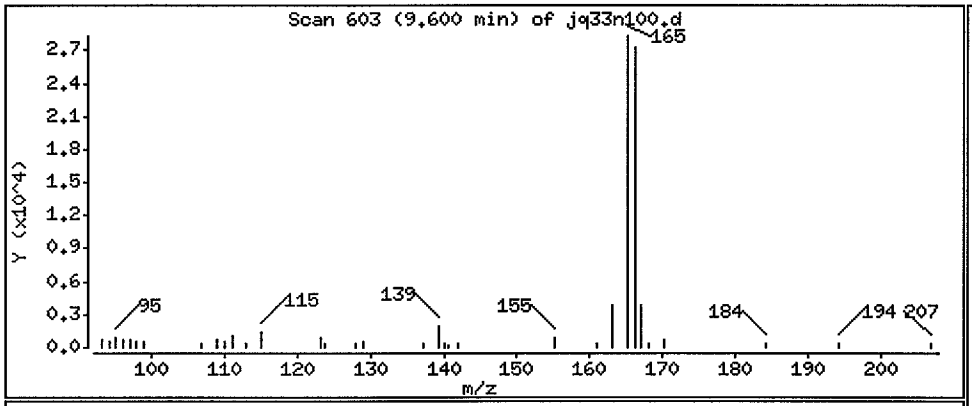
Operator: VTS

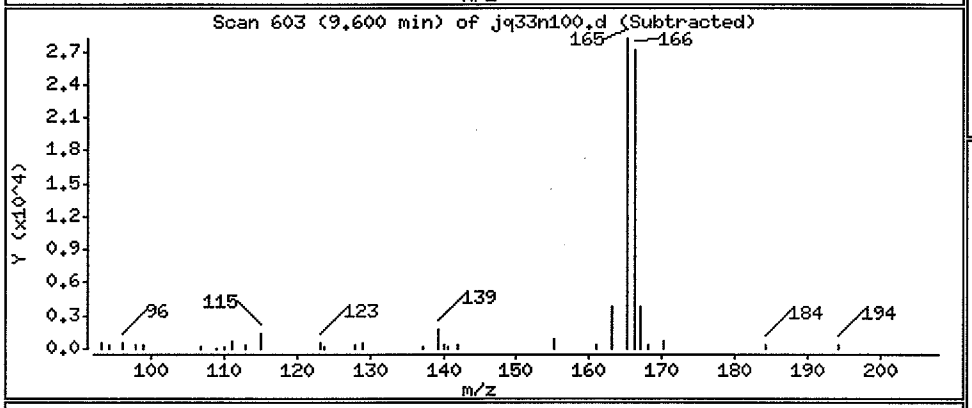
Column phase: ZB-5

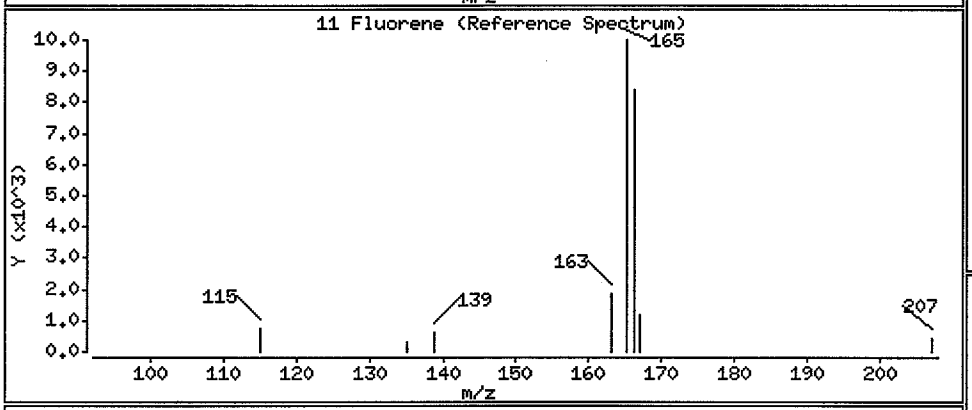
Column diameter: 0.25

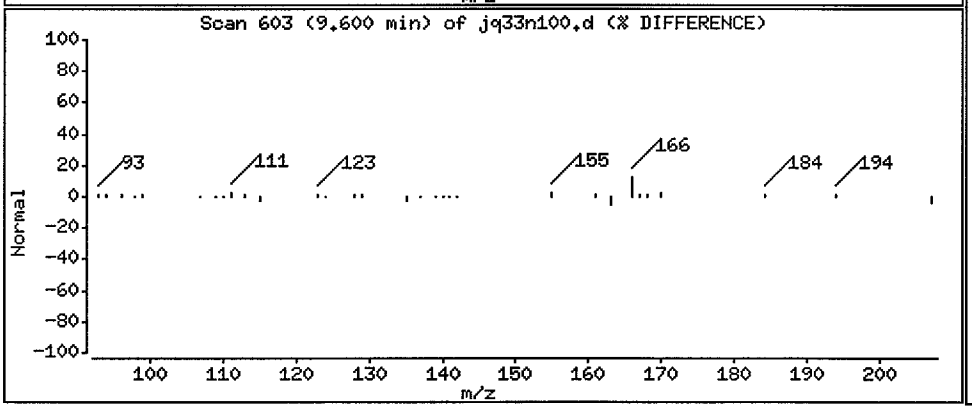
11 Fluorene

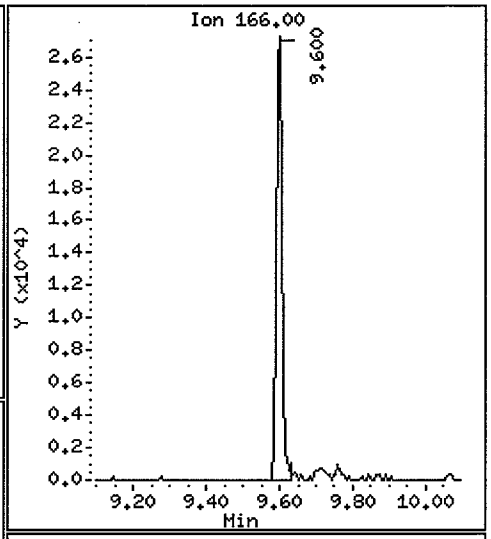
Concentration: 1914 ug/kg

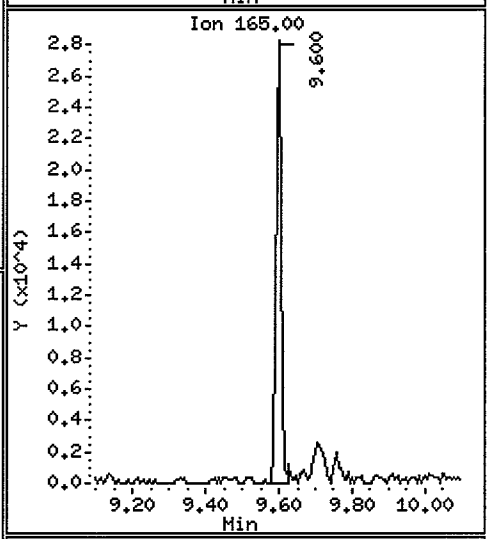


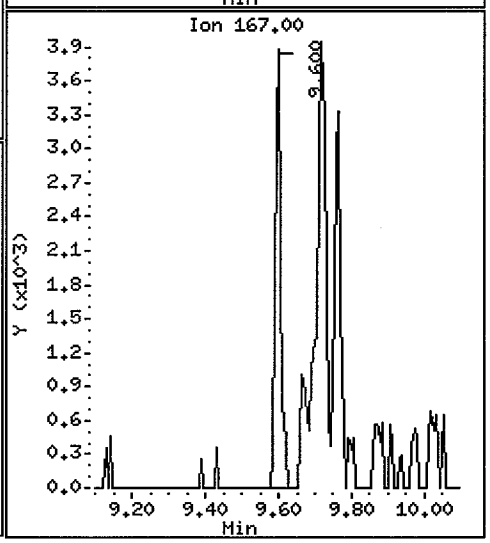












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

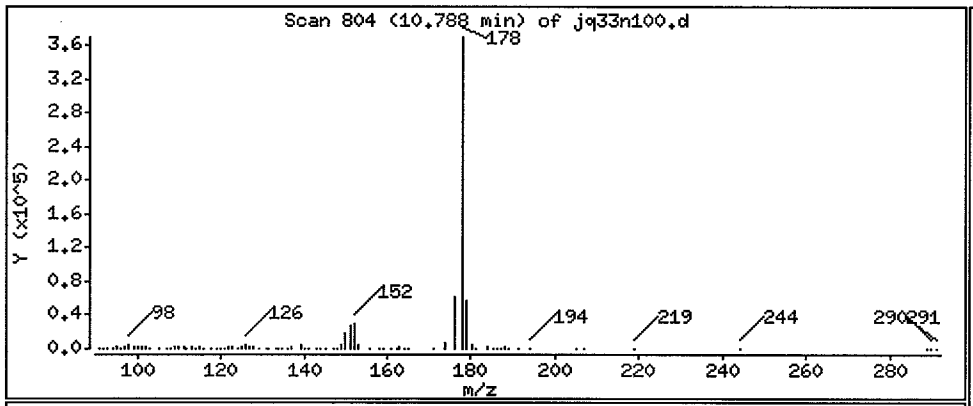
Operator: VTS

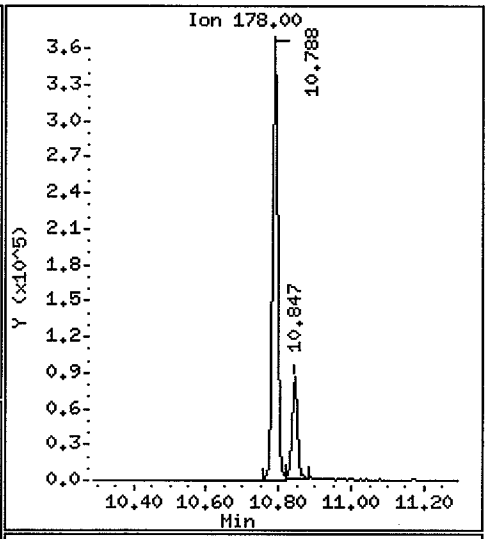
Column phase: ZB-5

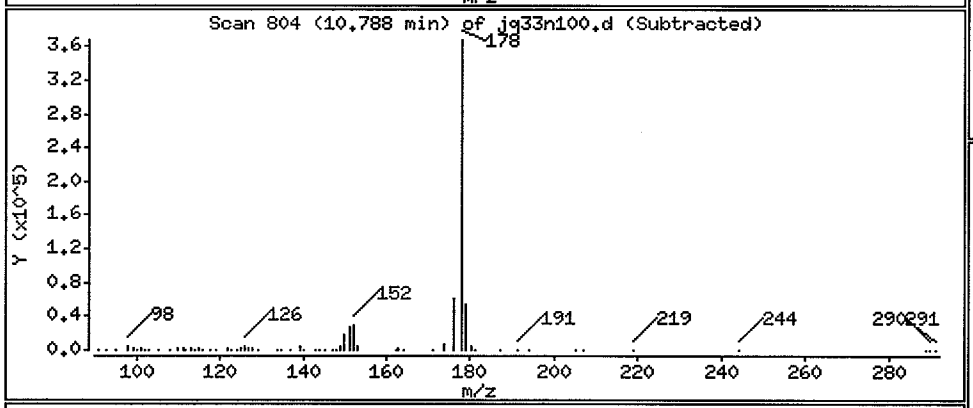
Column diameter: 0.25

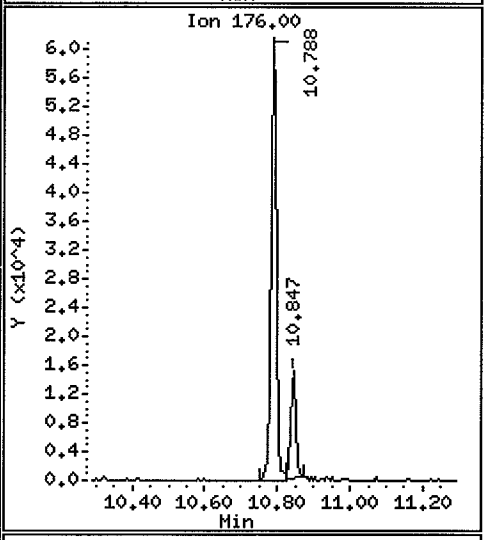
16 Phenanthrene

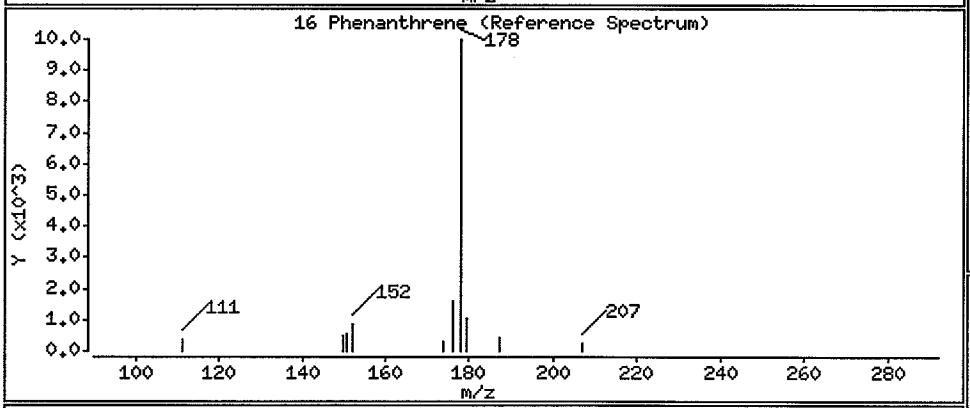
Concentration: 16460 ug/kg

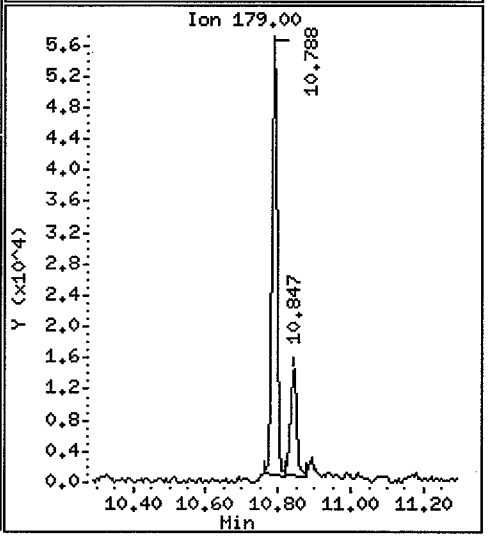


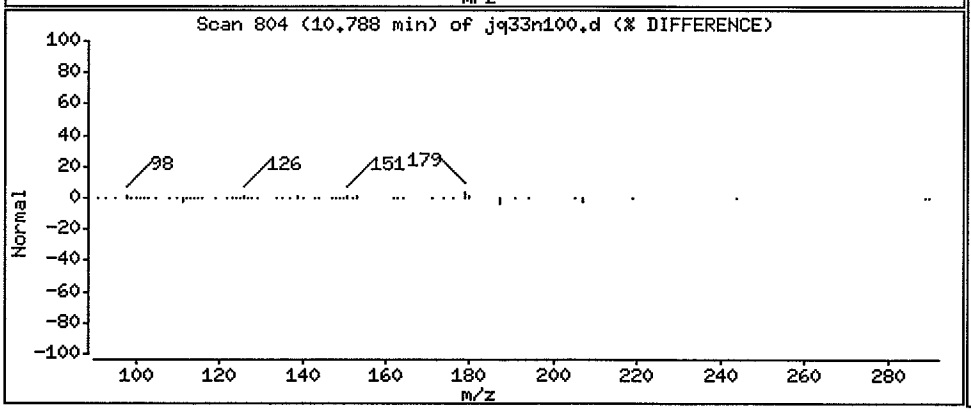












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

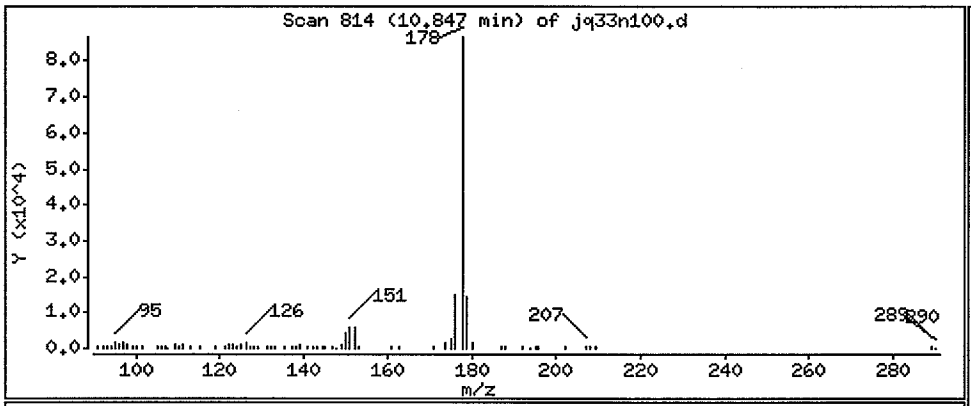
Operator: VTS

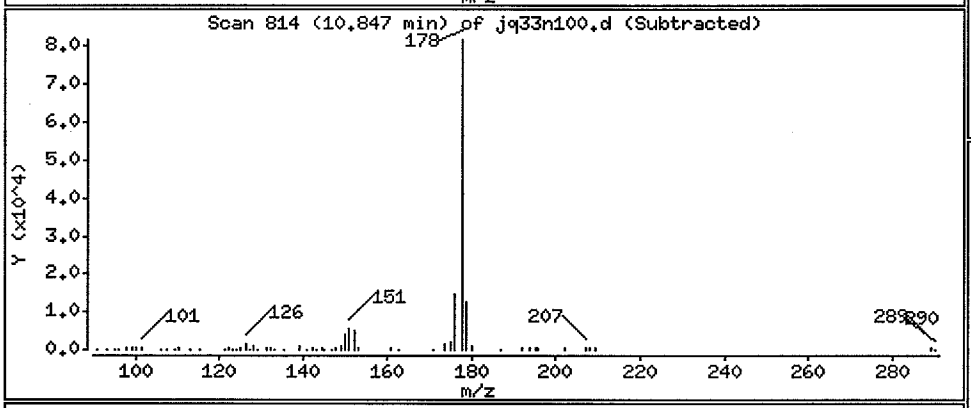
Column phase: ZB-5

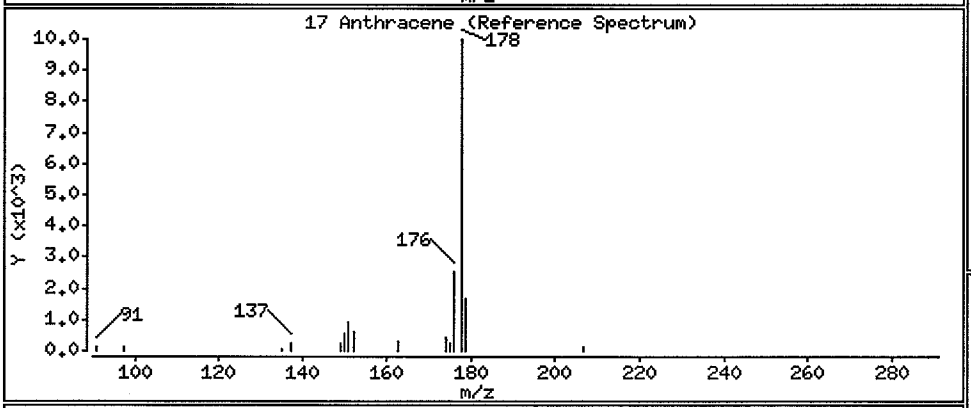
Column diameter: 0.25

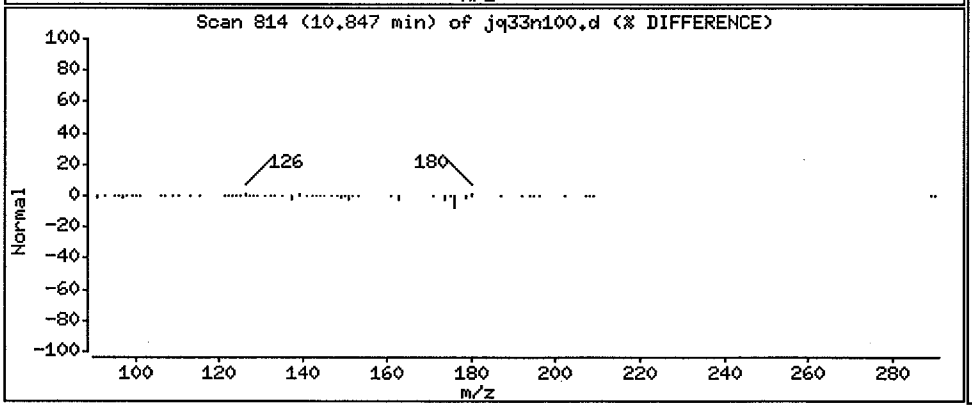
17 Anthracene

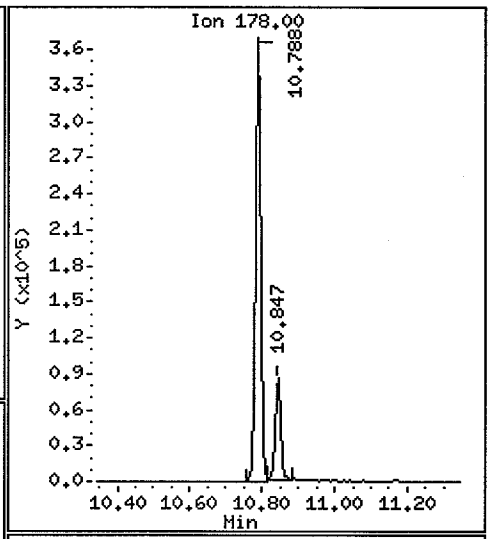
Concentration: 4051 ug/kg

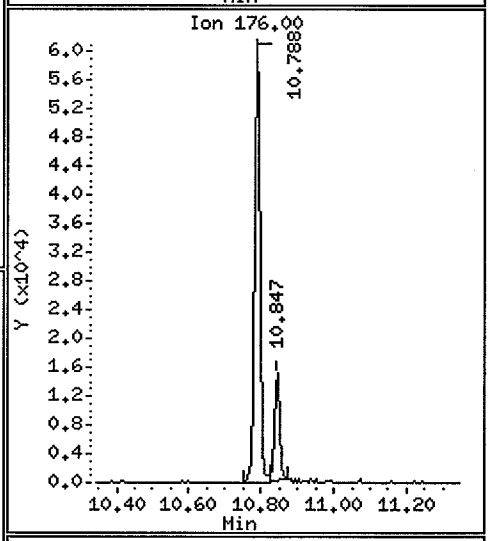


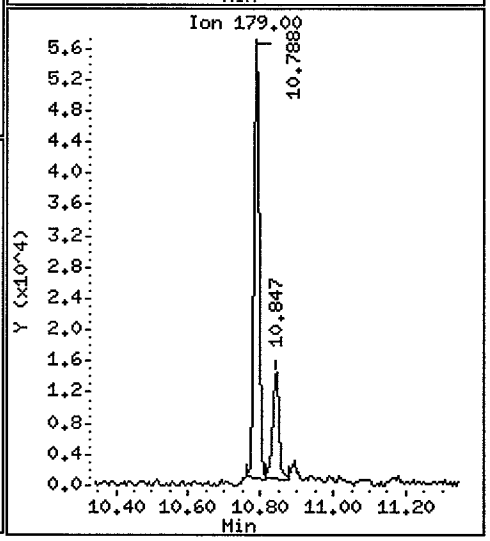












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

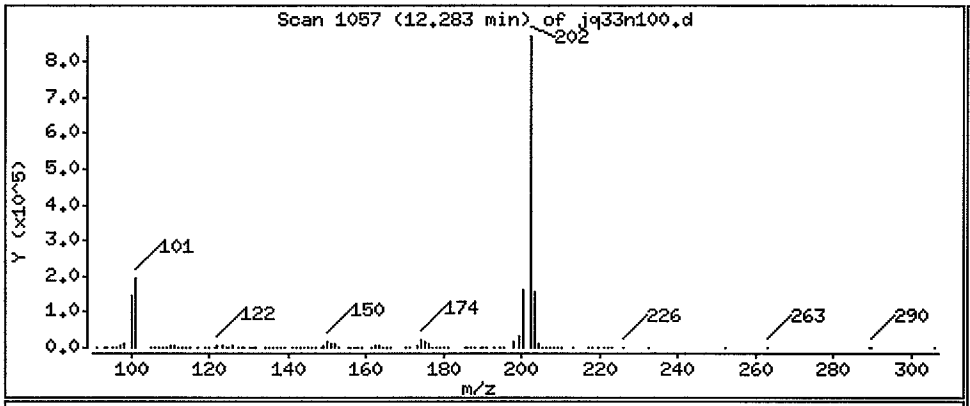
Operator: VTS

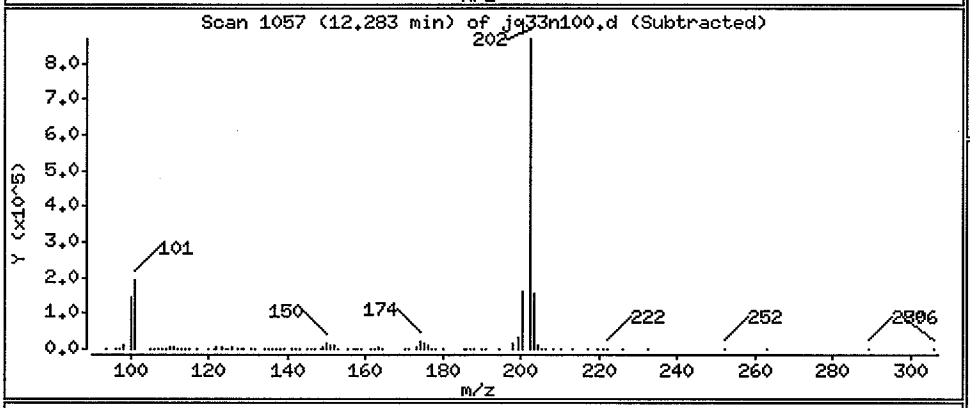
Column phase: ZB-5

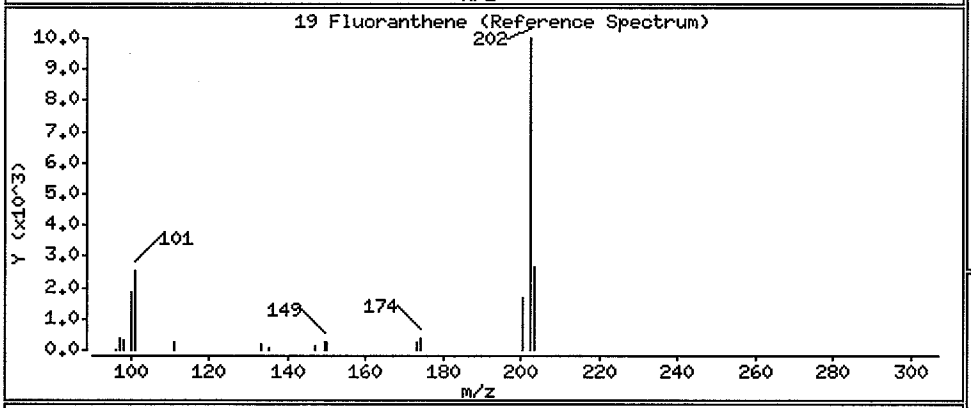
Column diameter: 0.25

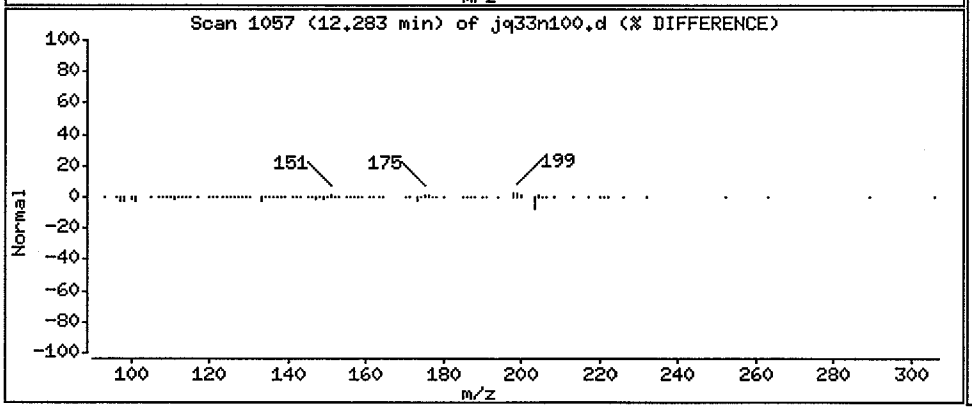
19 Fluoranthene

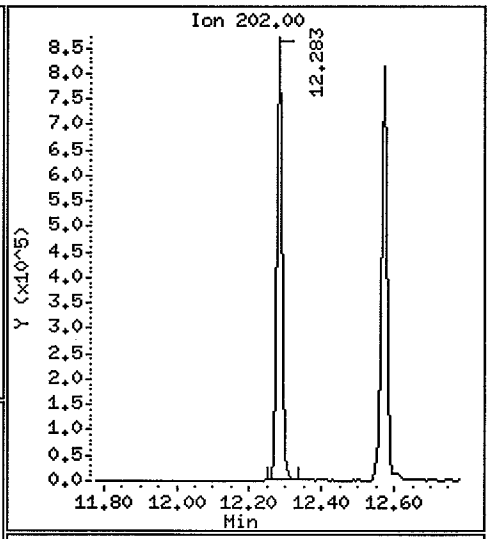
Concentration: 37610 ug/kg

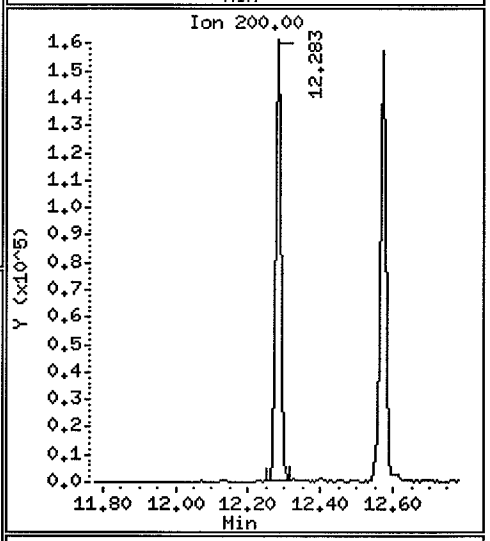


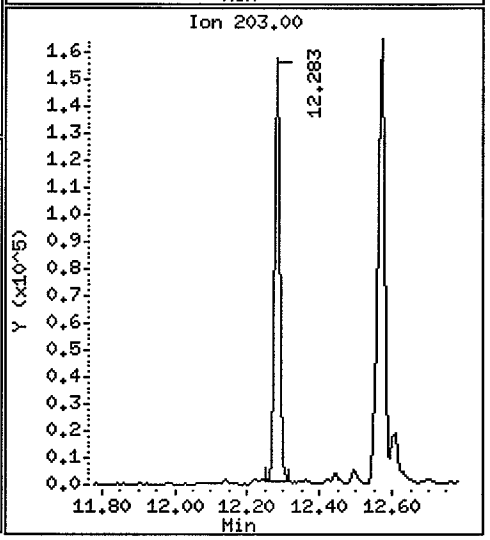












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

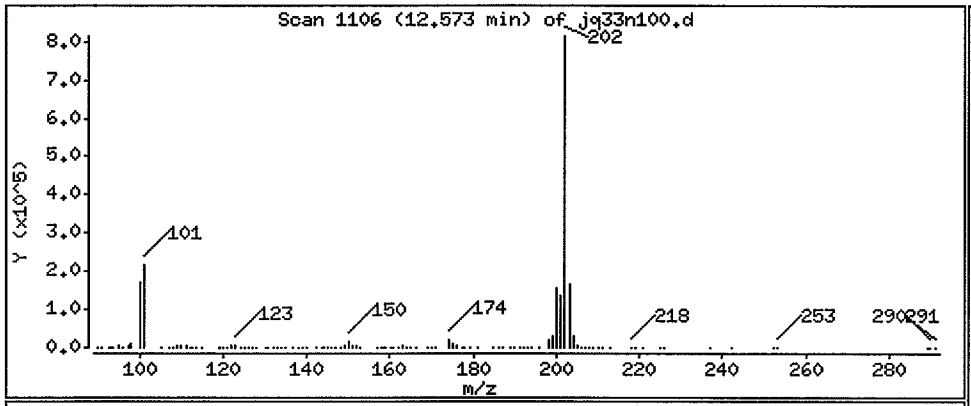
Operator: VTS

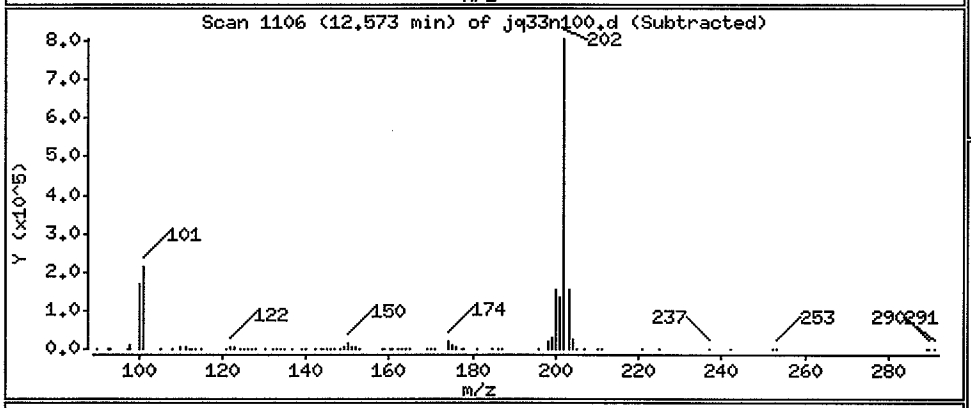
Column phase: ZB-5

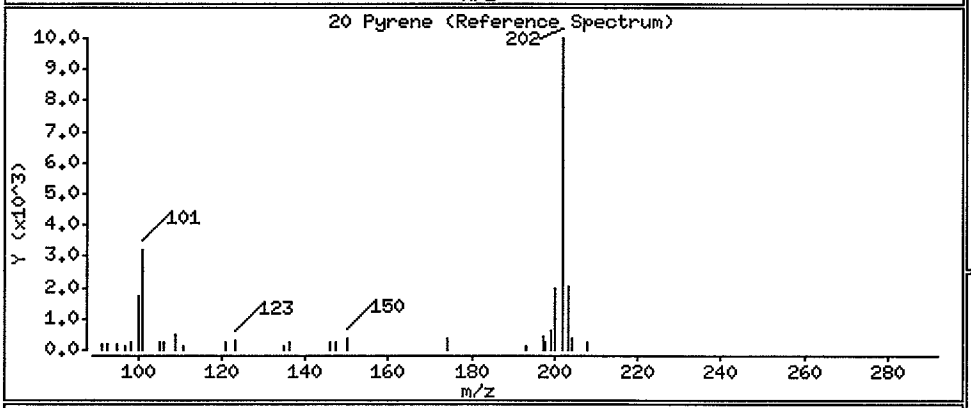
Column diameter: 0.25

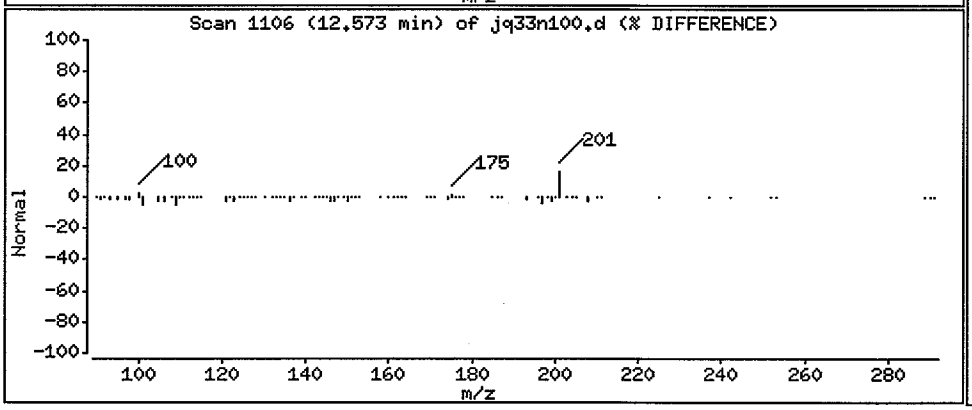
20 Pyrene

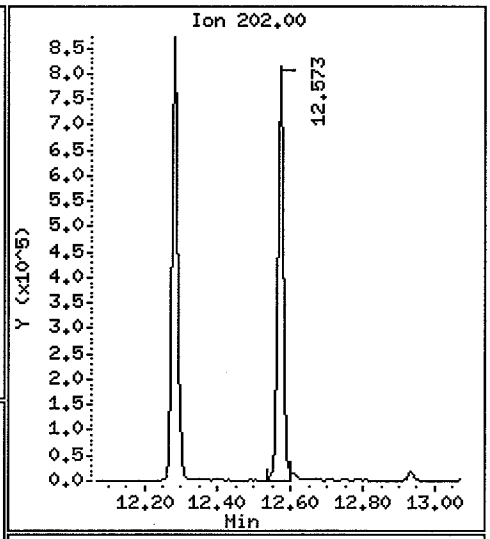
Concentration: 33410 ug/kg

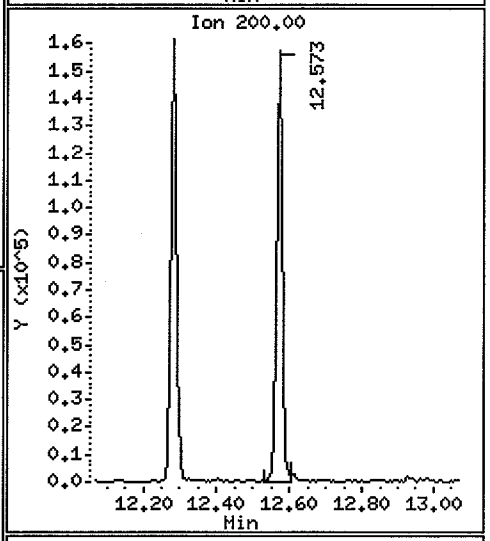


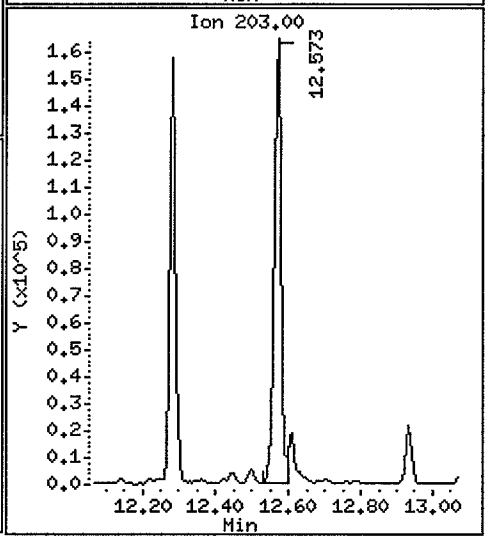












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

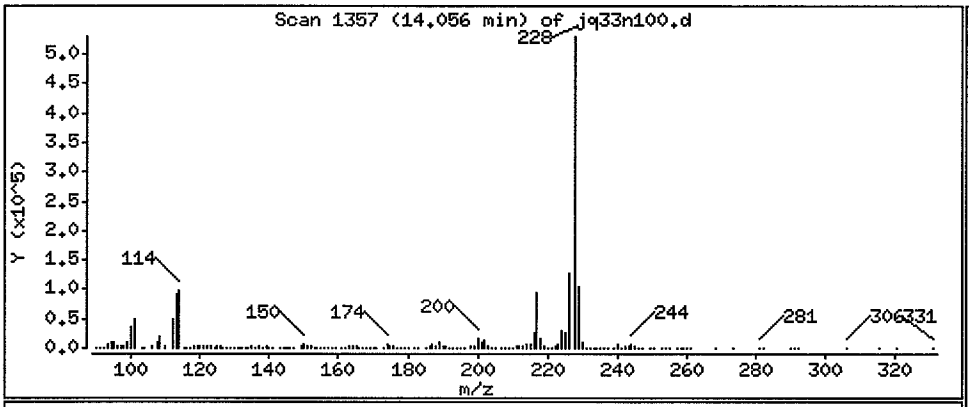
Operator: VTS

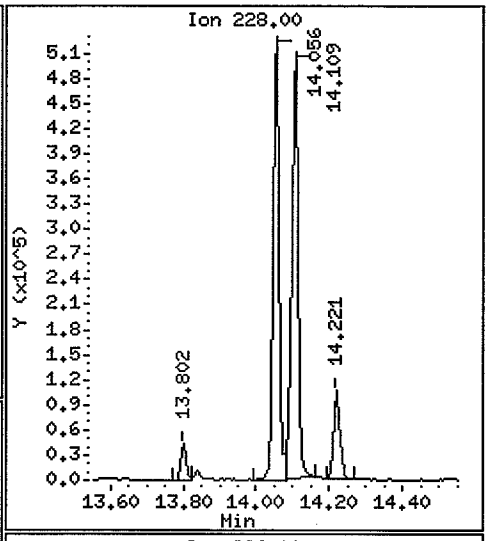
Column phase: ZB-5

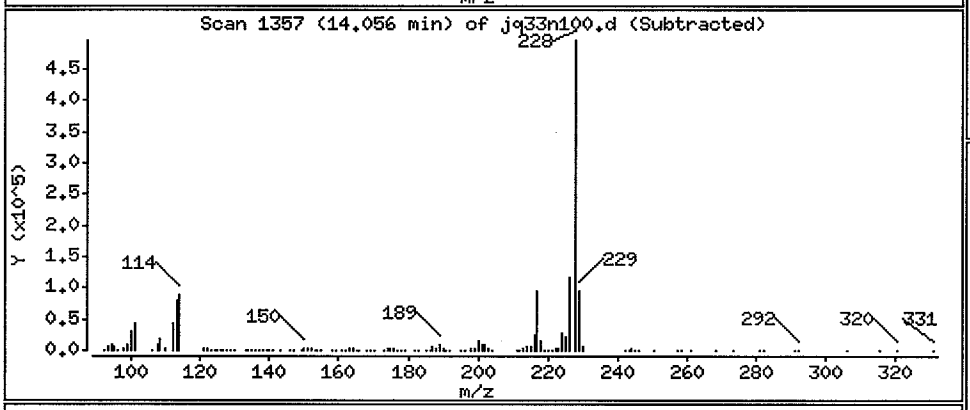
Column diameter: 0.25

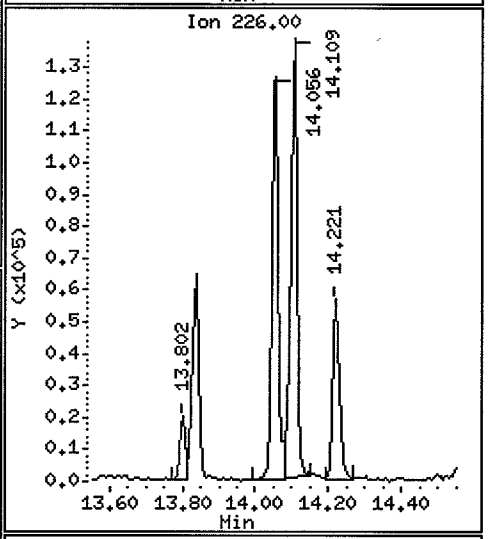
22 Benzo(a)anthracene

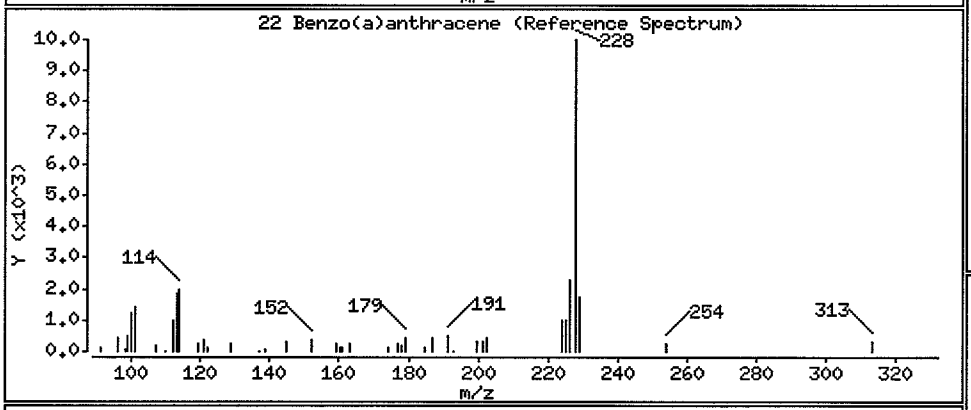
Concentration: 25130 ug/kg

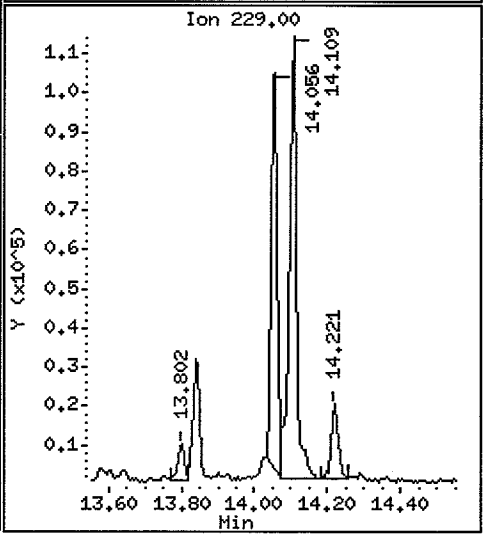


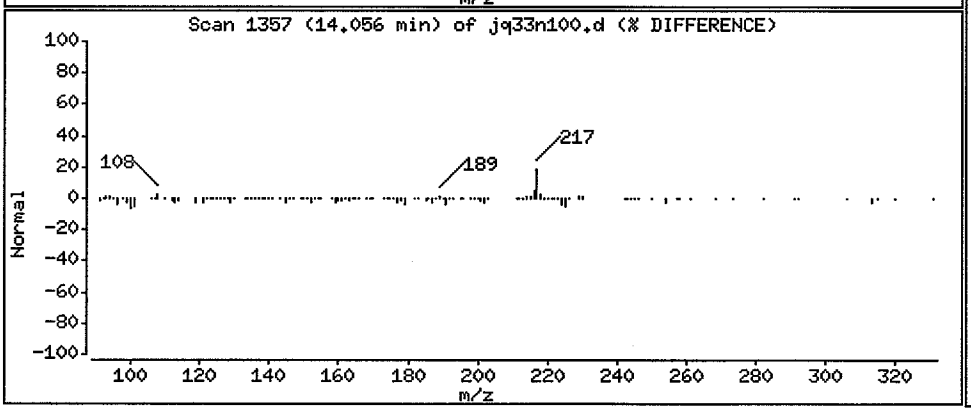












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

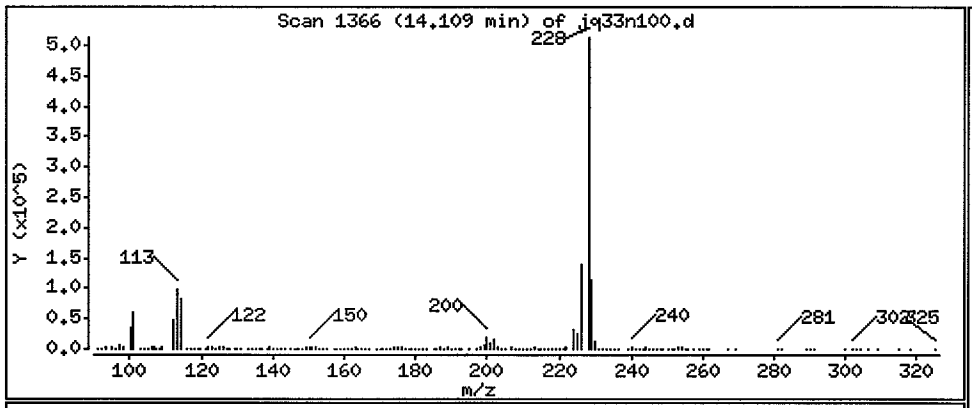
Operator: VTS

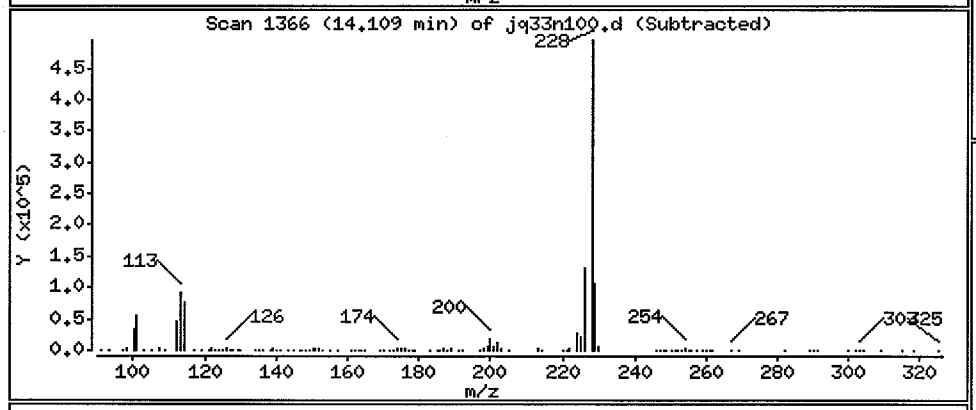
Column phase: ZB-5

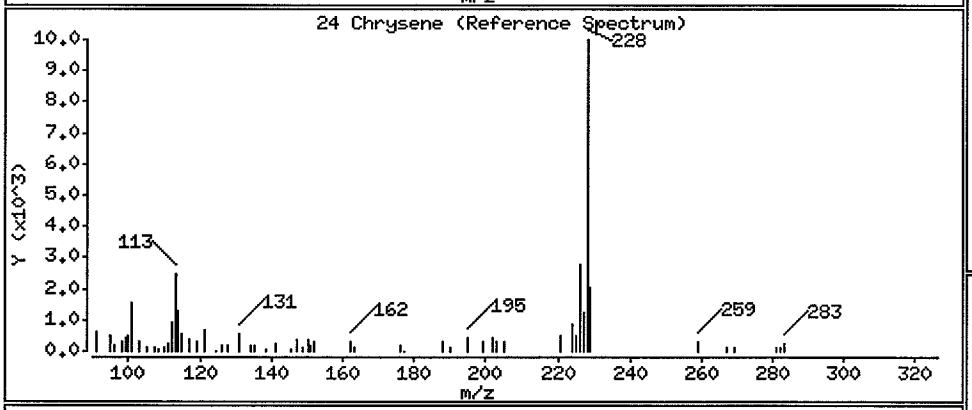
Column diameter: 0.25

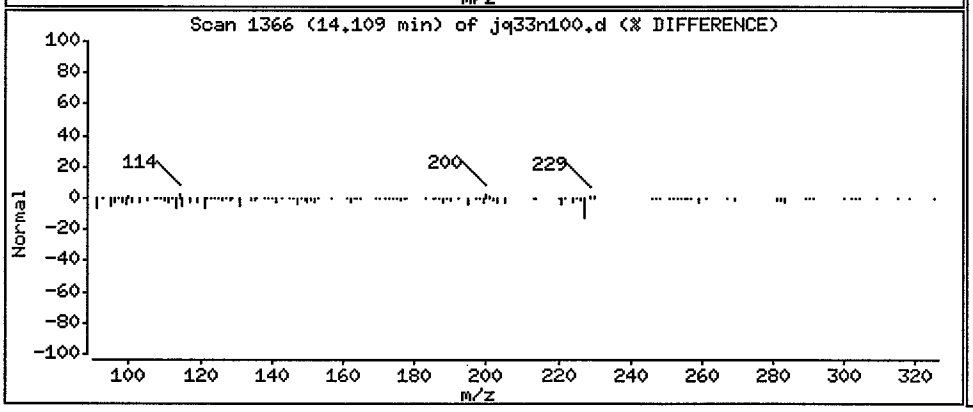
24 Chrysene

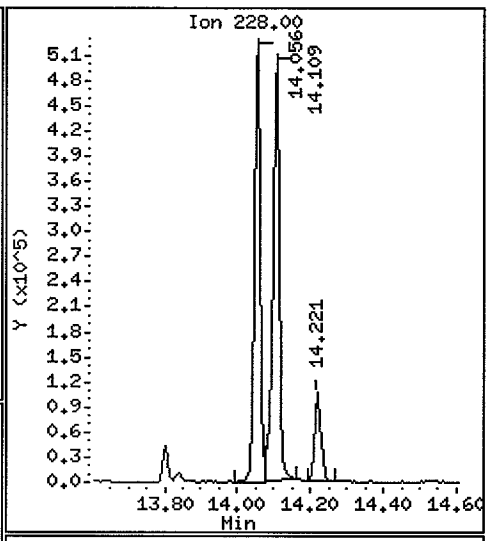
Concentration: 28240 ug/kg

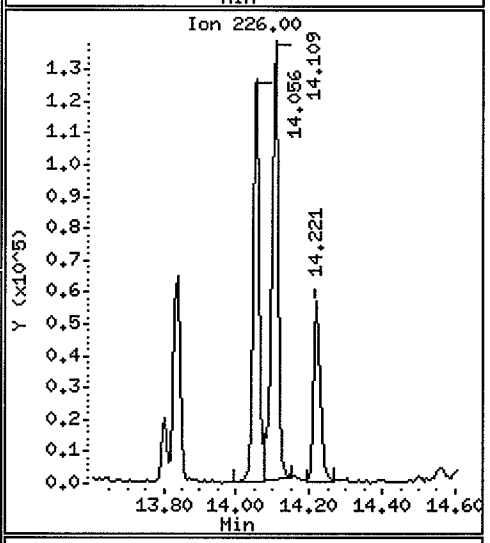


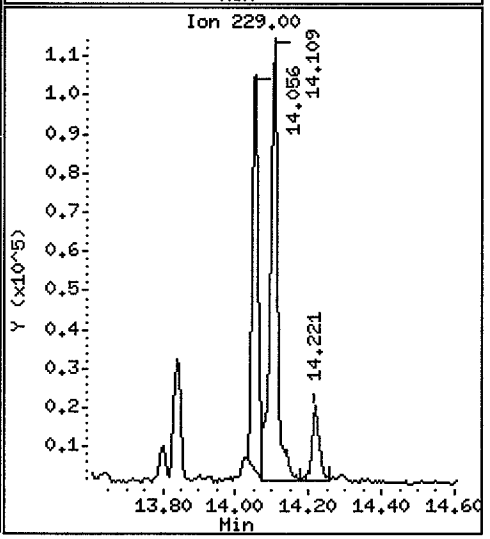












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

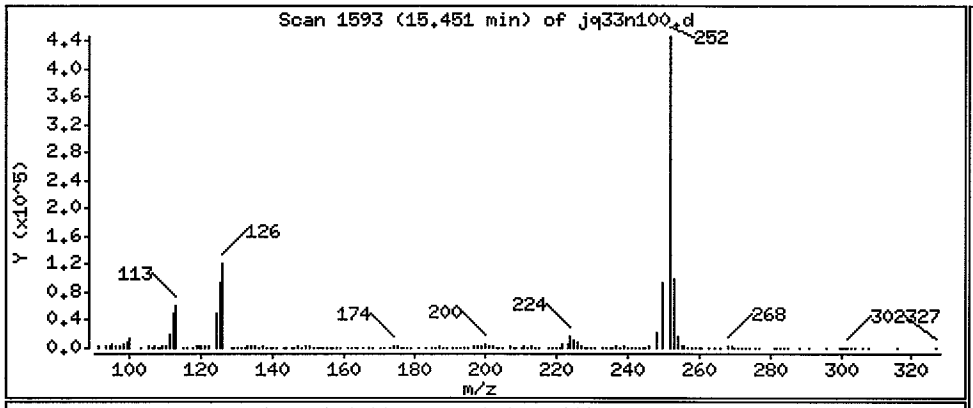
Operator: VTS

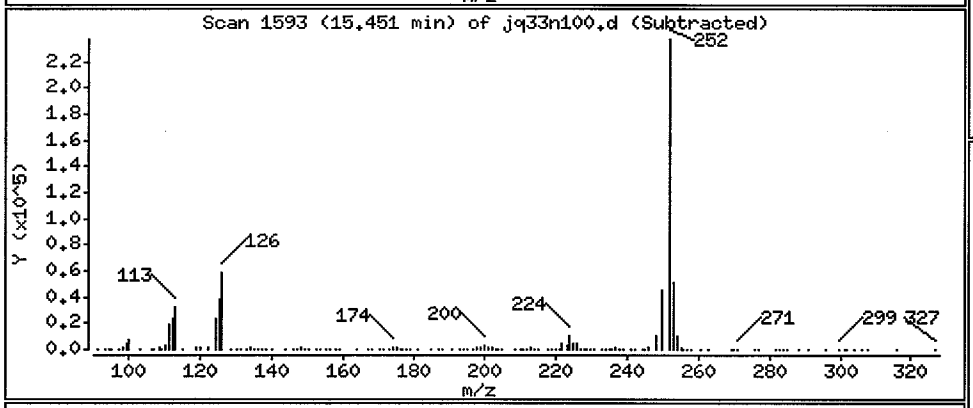
Column phase: ZB-5

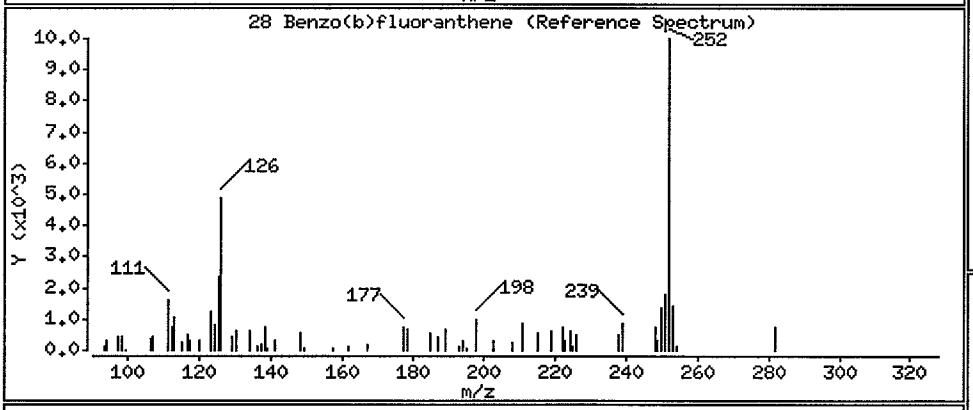
Column diameter: 0.25

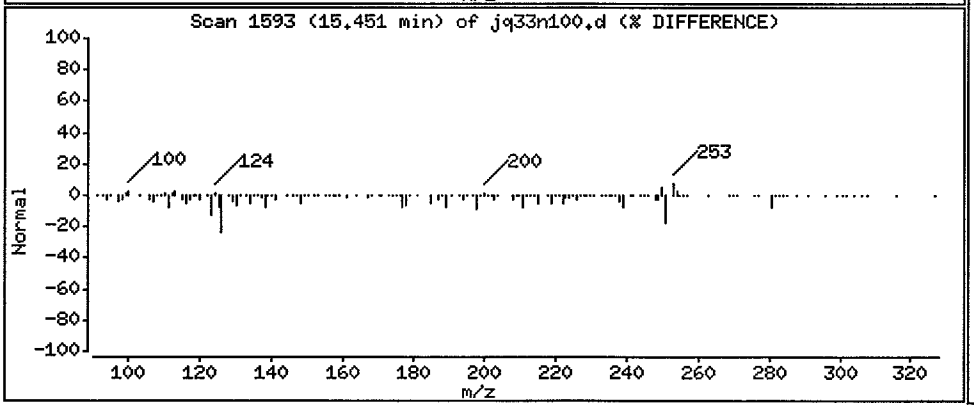
28 Benzo(b)fluoranthene

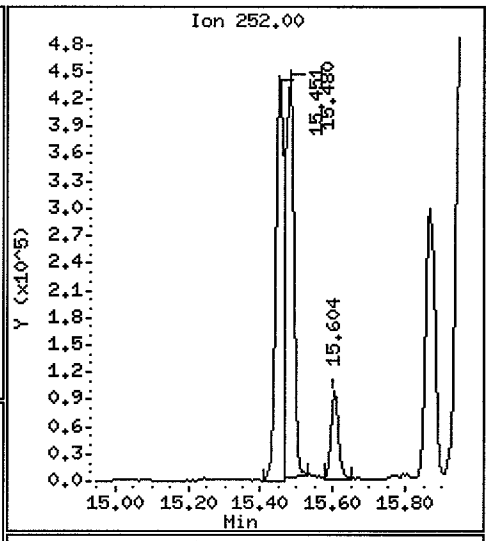
Concentration: 33950 ug/kg

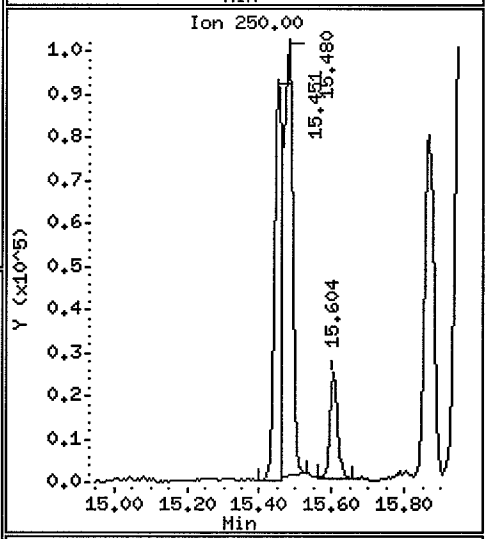


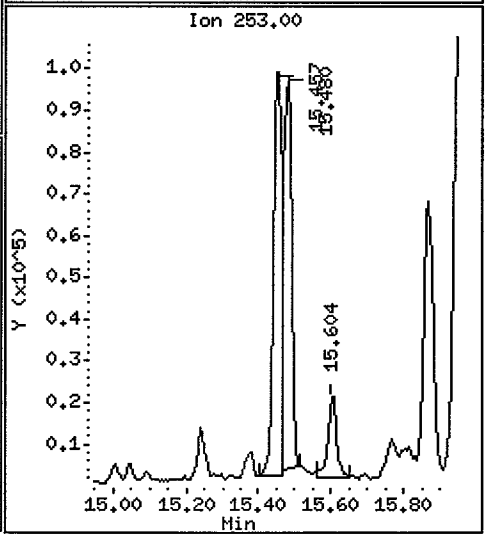












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

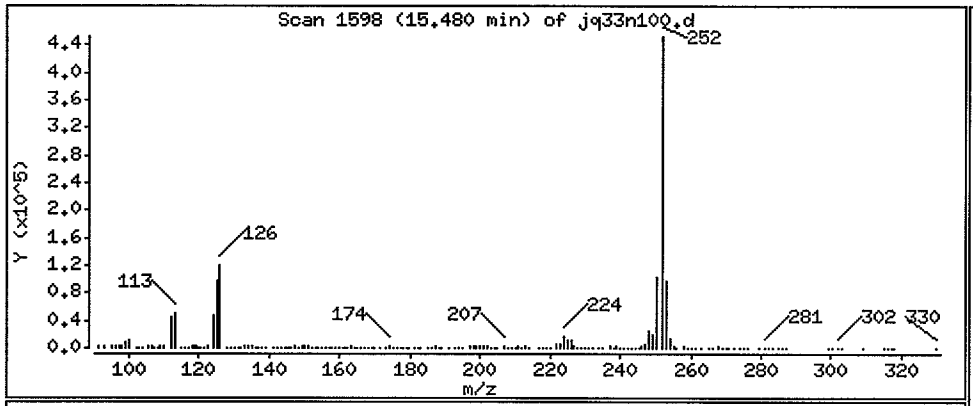
Operator: VTS

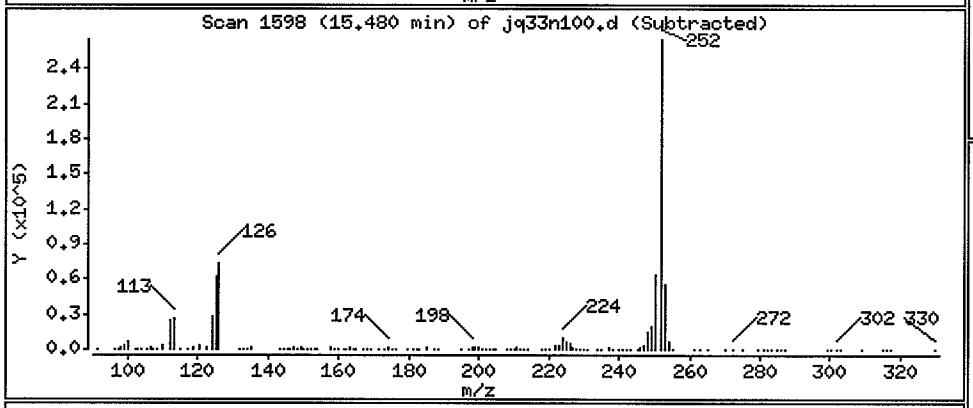
Column phase: ZB-5

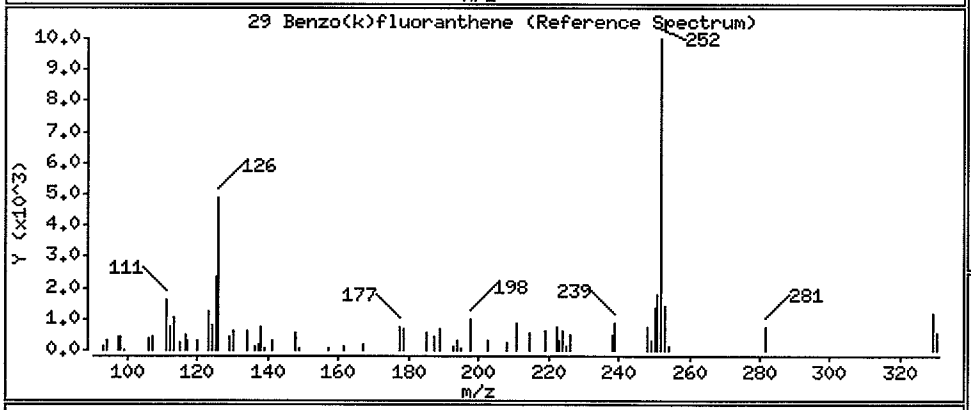
Column diameter: 0.25

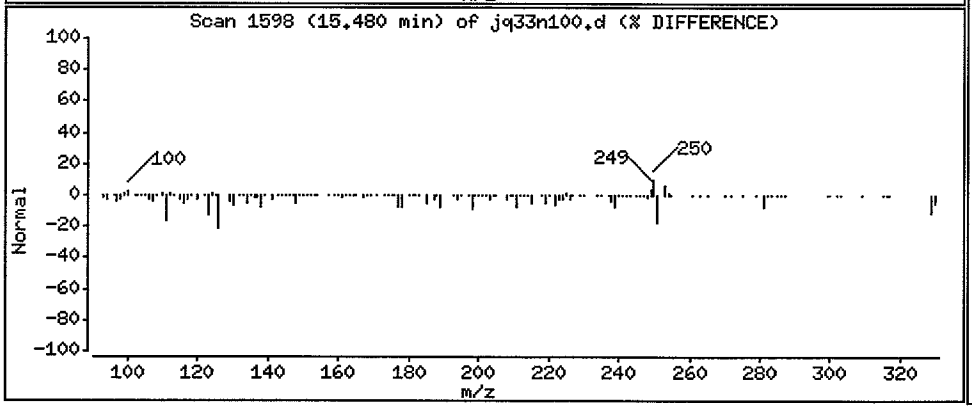
29 Benzo(k)fluoranthene

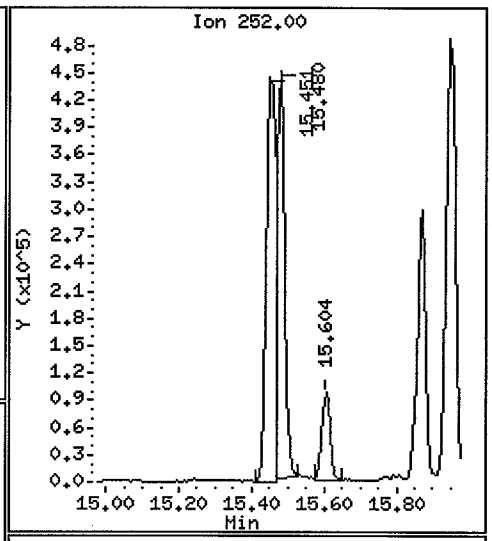
Concentration: 27130 ug/kg

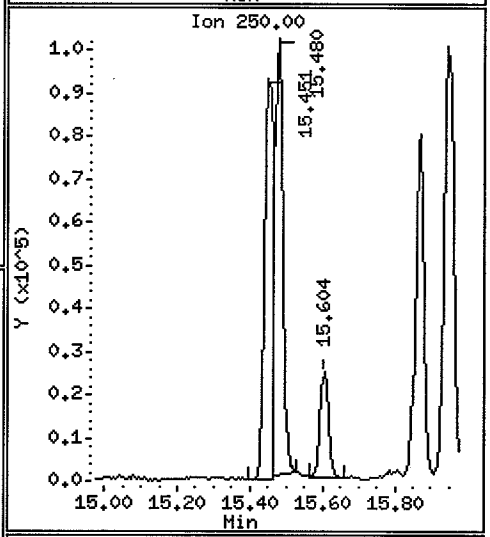


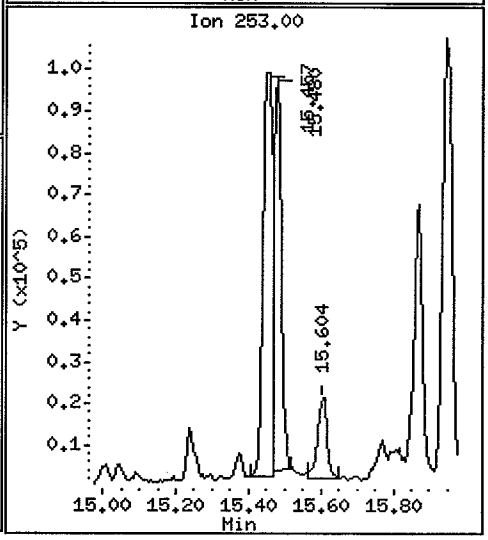












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

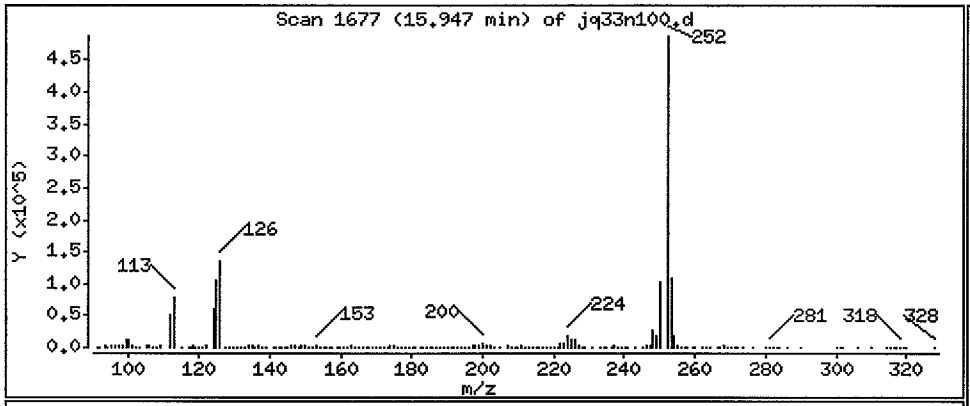
Operator: VTS

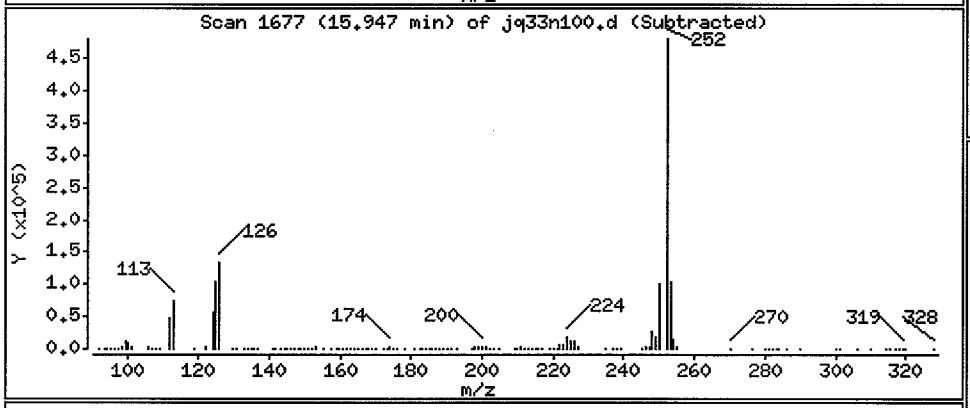
Column phase: ZB-5

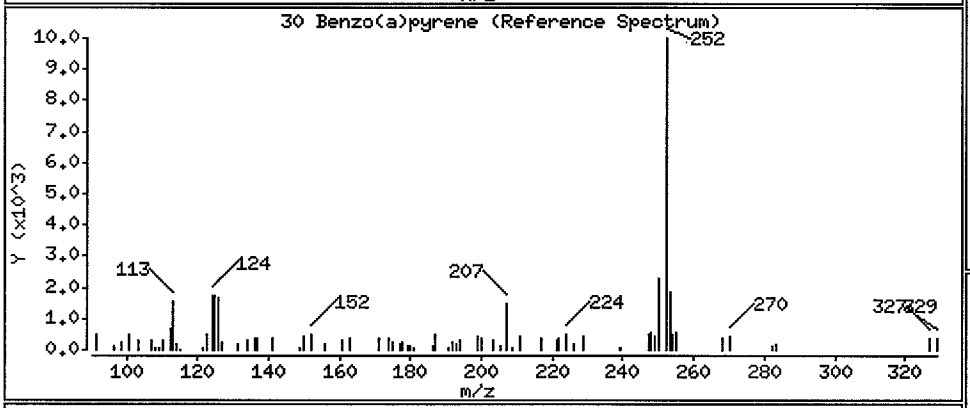
Column diameter: 0.25

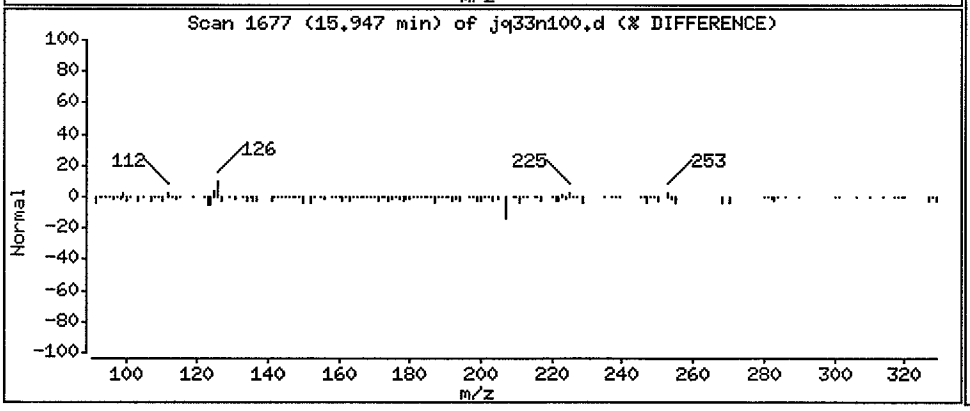
30 Benzo(a)pyrene

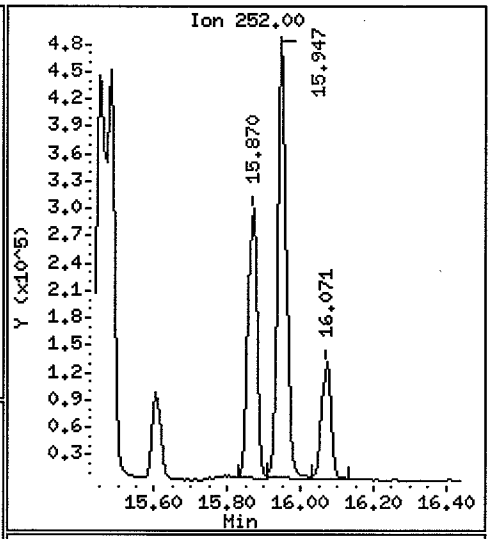
Concentration: 34390 ug/kg

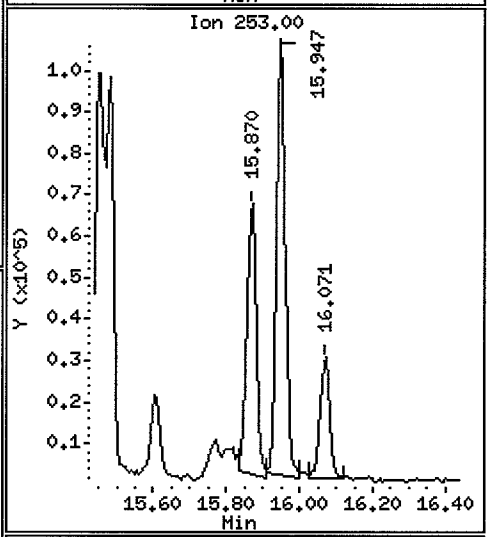


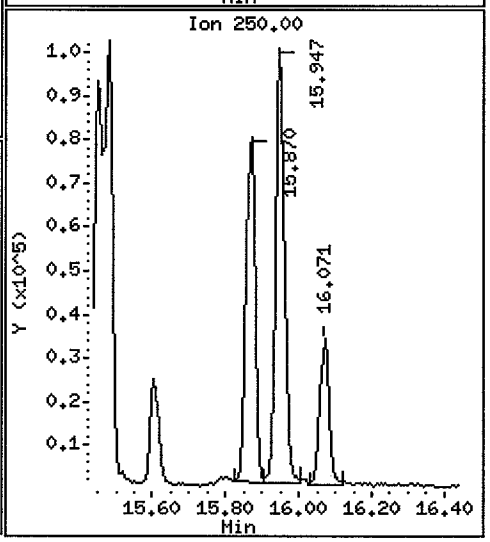












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

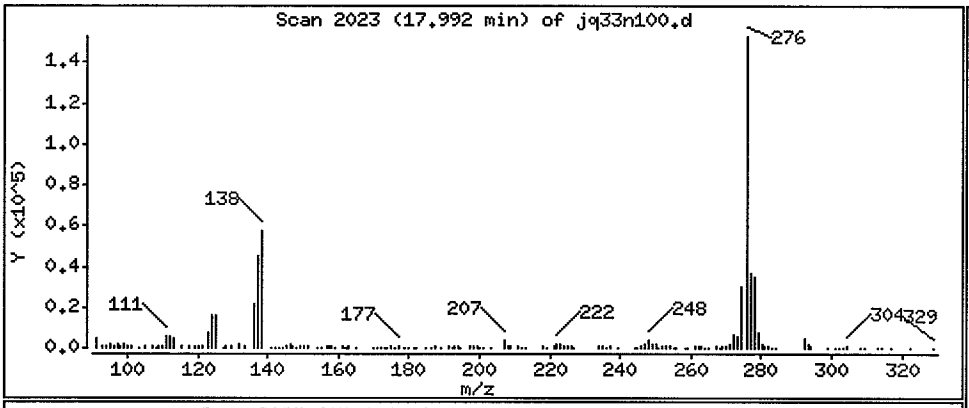
Operator: VTS

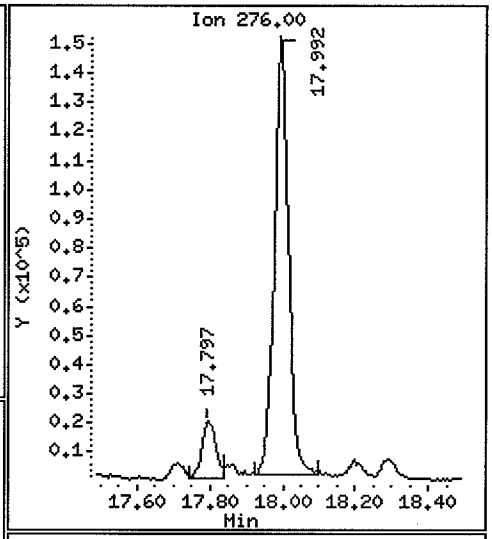
Column phase: ZB-5

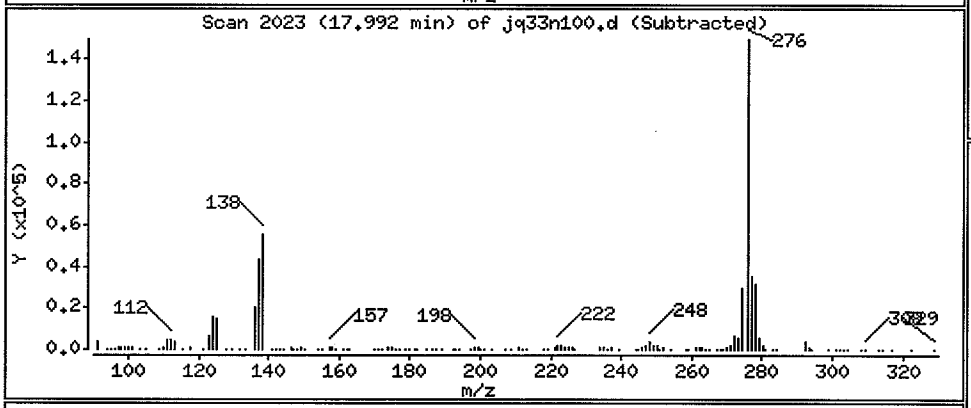
Column diameter: 0.25

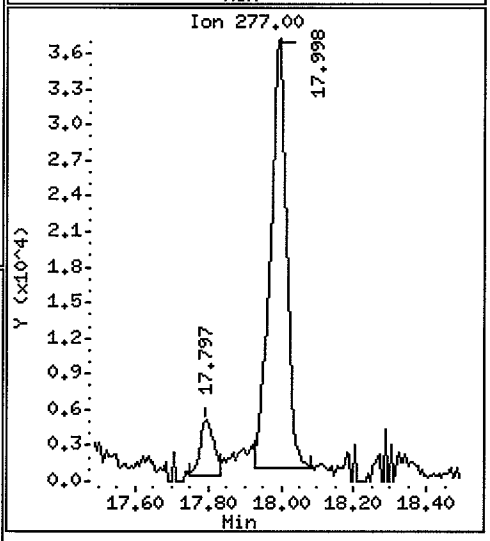
33 Indeno(1,2,3-cd)pyrene

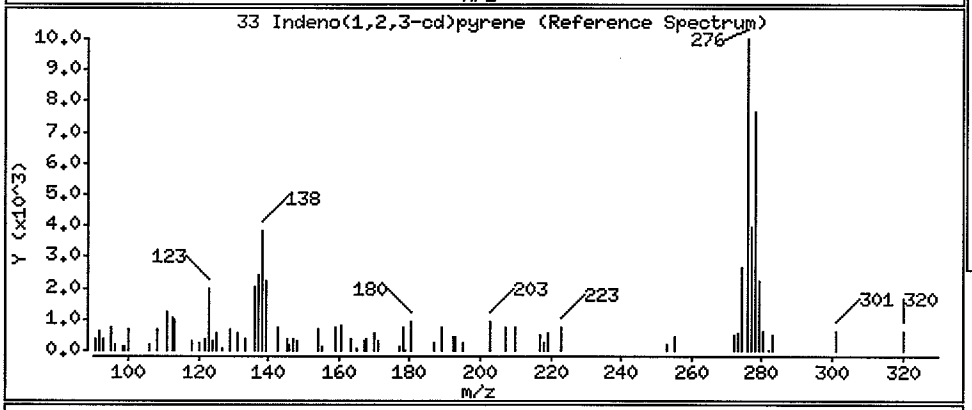
Concentration: 15380 ug/kg

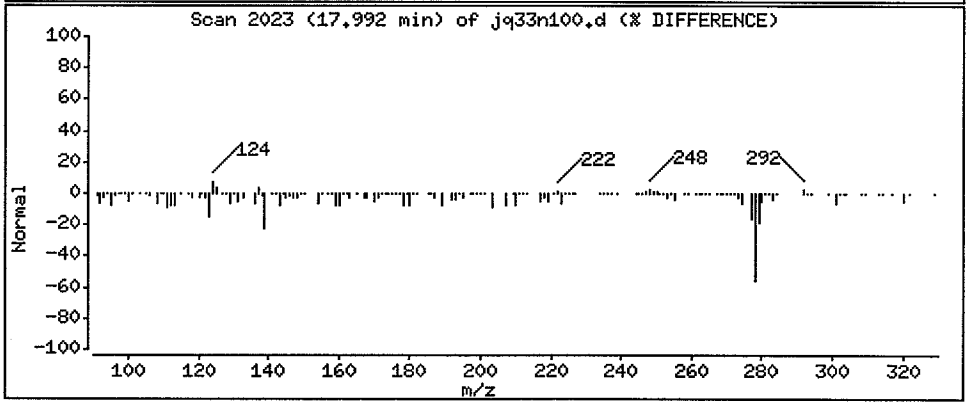












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

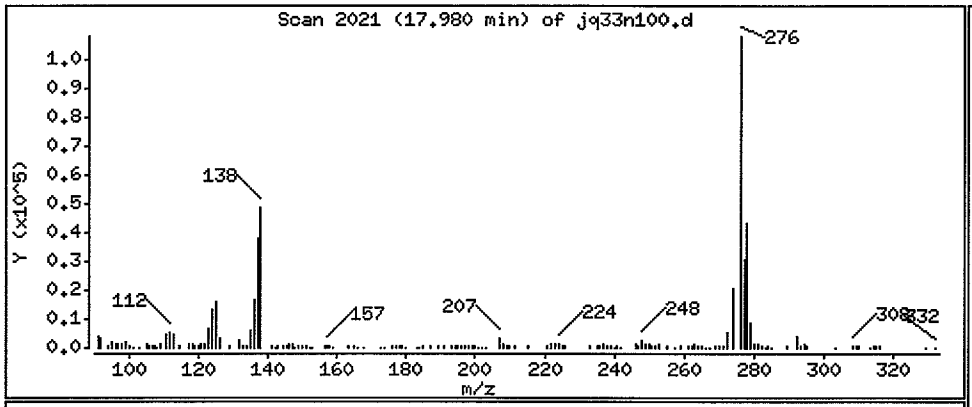
Operator: VTS

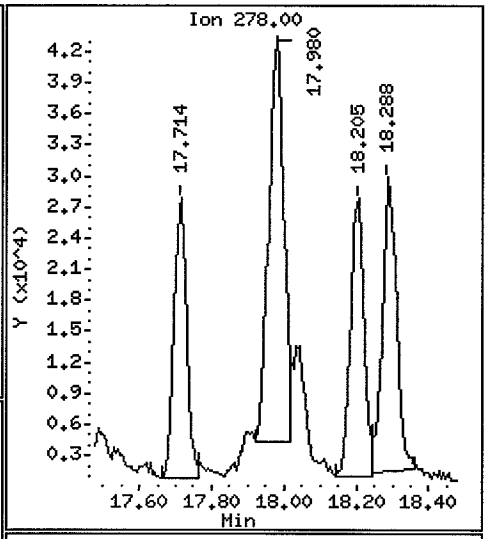
Column phase: ZB-5

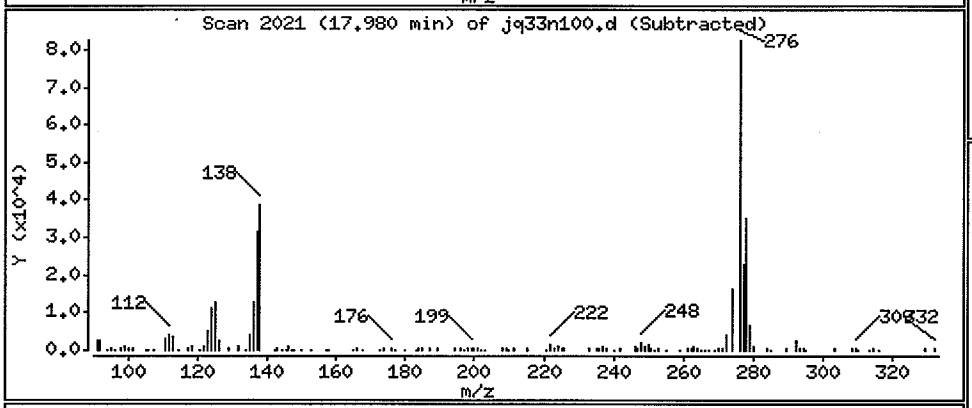
Column diameter: 0.25

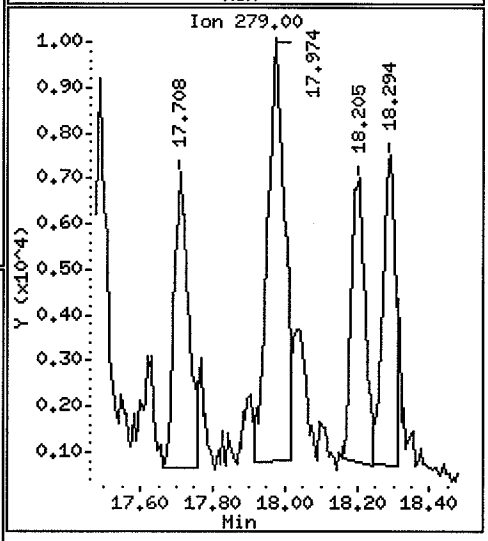
34 Dibenz(a,h)anthracene

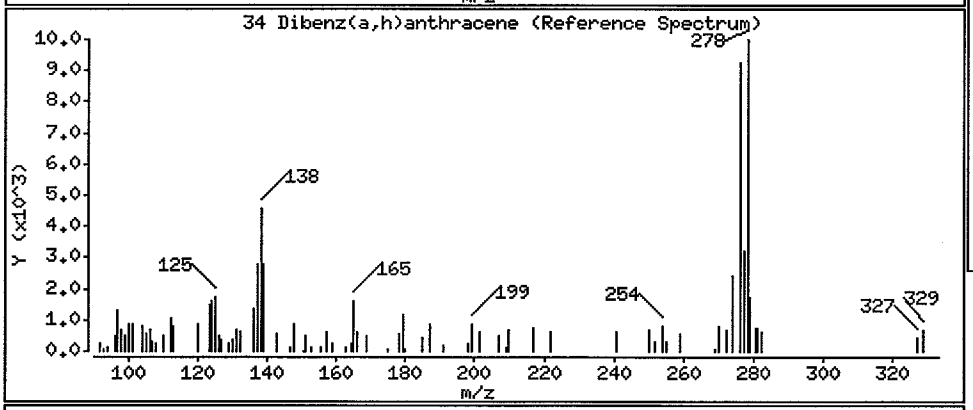
Concentration: 5214 ug/kg

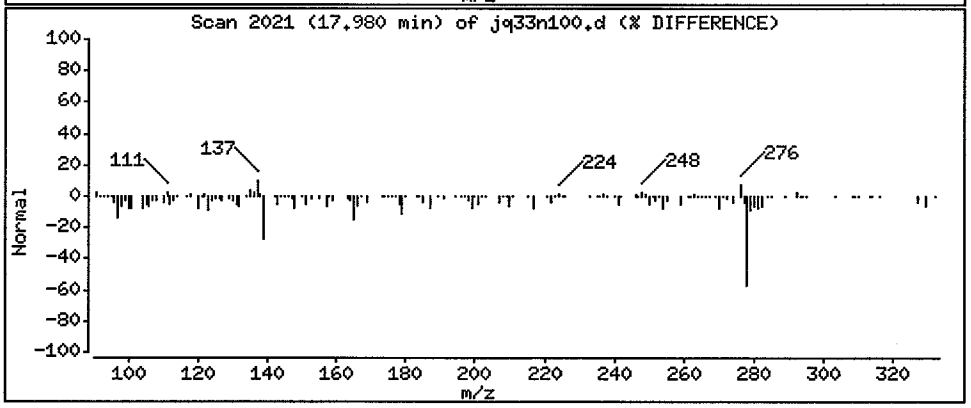












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

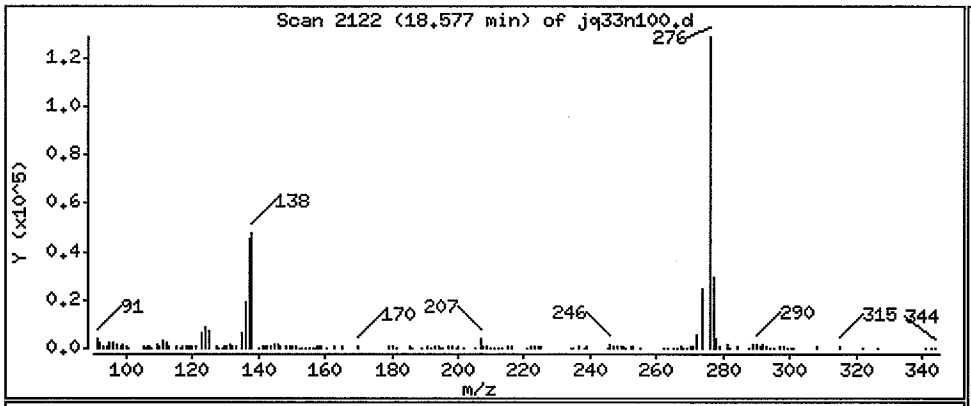
Operator: VTS

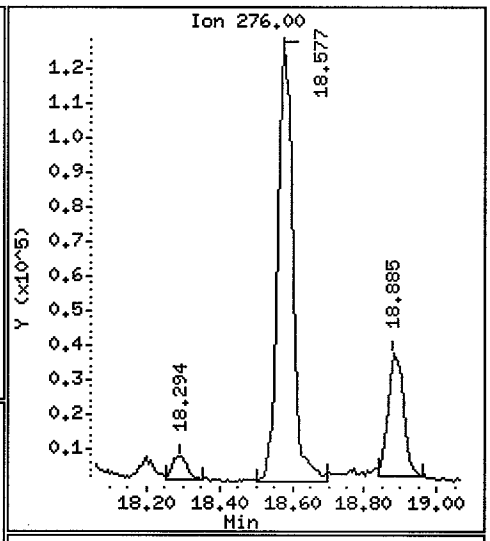
Column phase: ZB-5

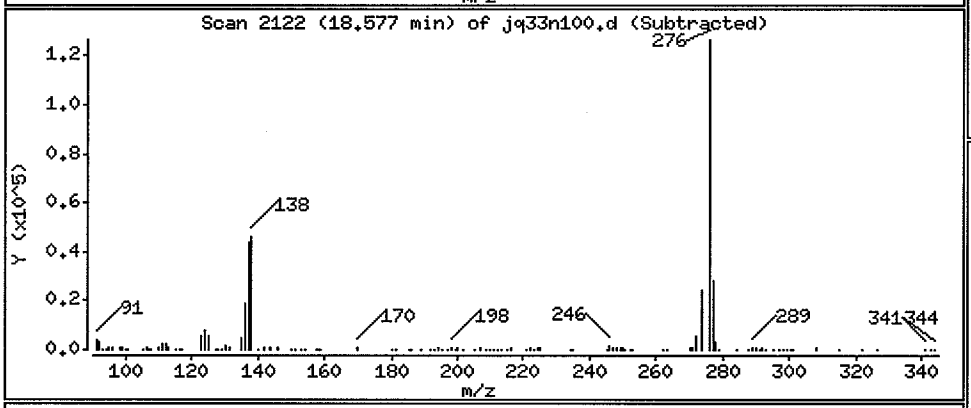
Column diameter: 0.25

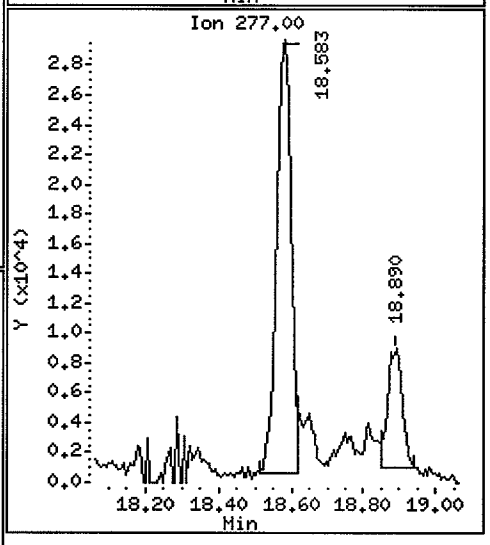
35 Benzo(g,h,i)perylene

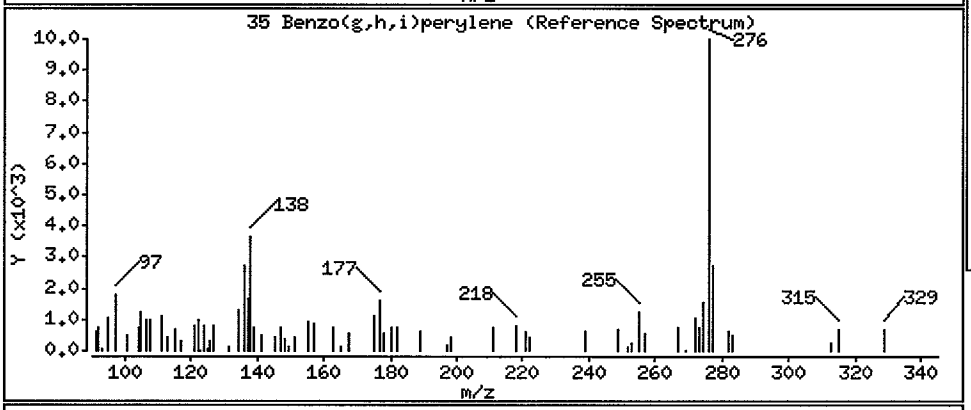
Concentration: 16510 ug/kg

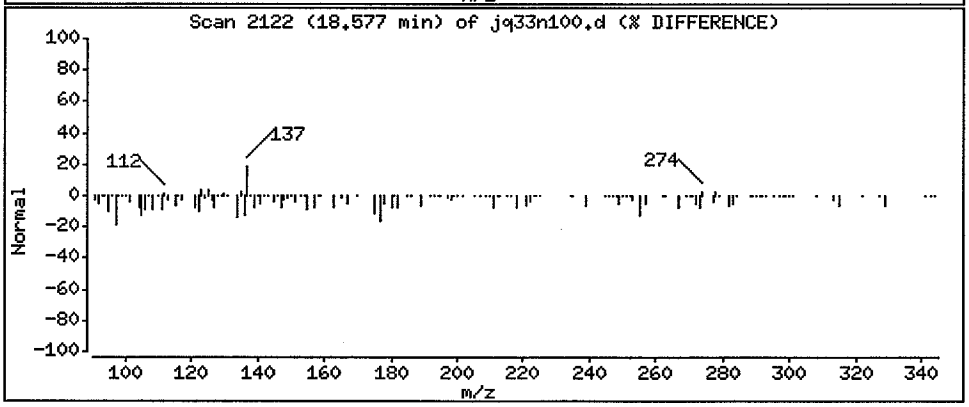












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

Operator: VTS

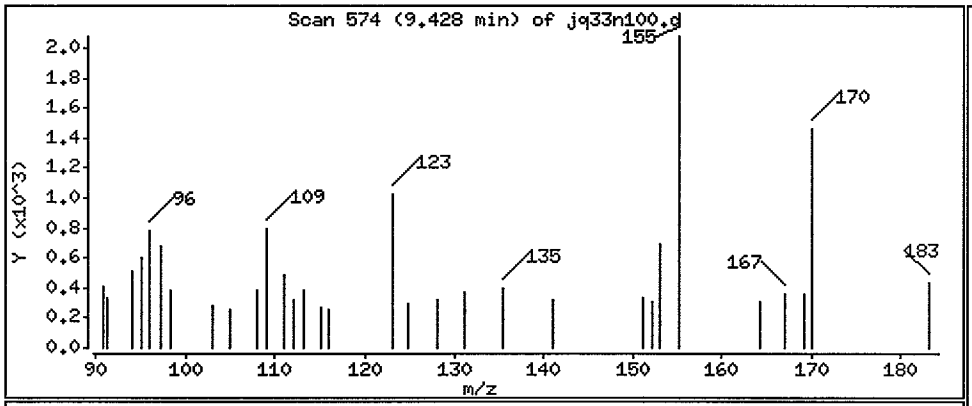
Column phase: ZB-5

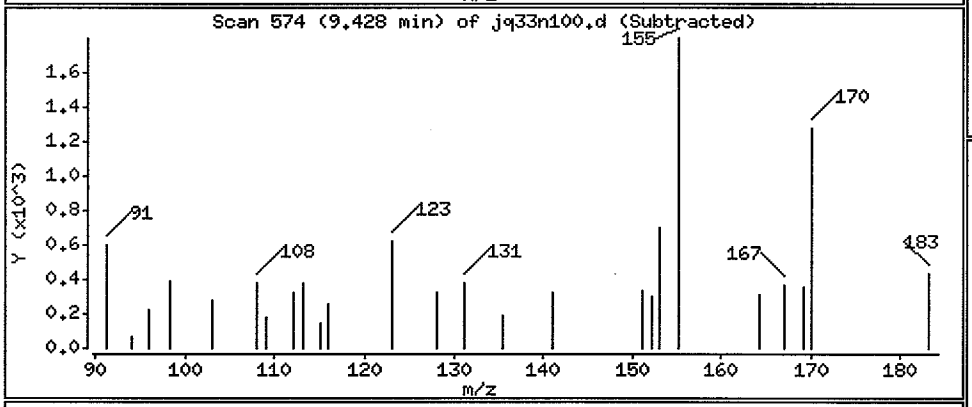
Column diameter: 0.25

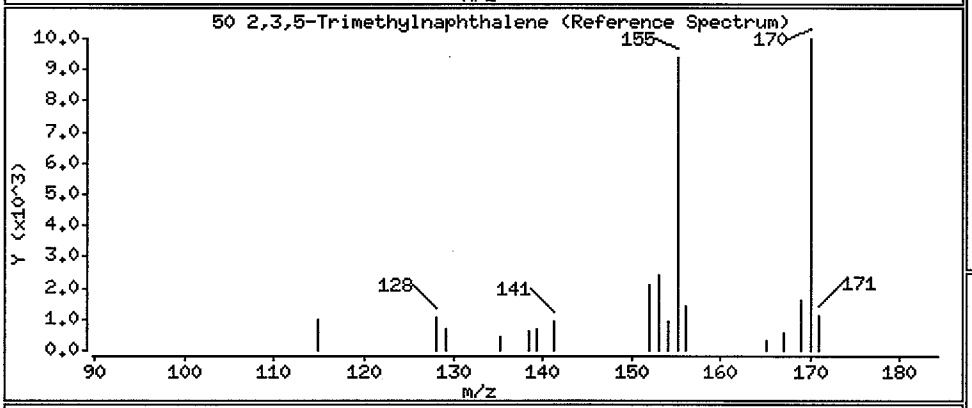
50 2,3,5-Trimethylnaphthalene

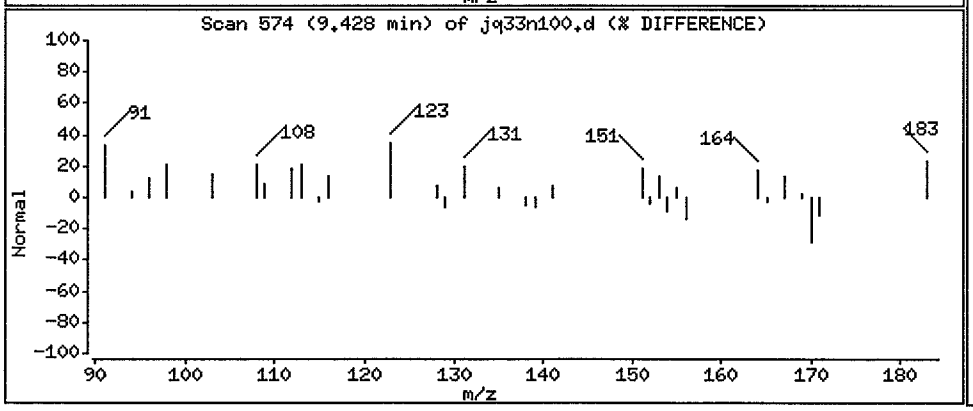
Concentration: 141.5 ug/kg

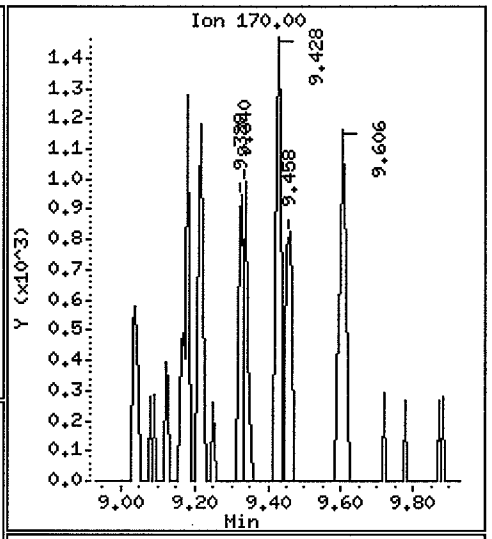
ERL

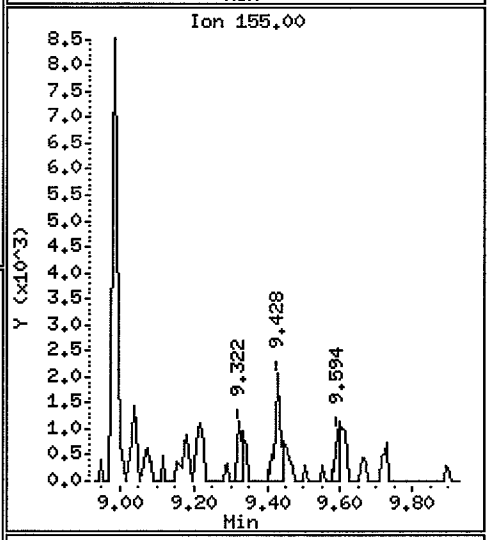


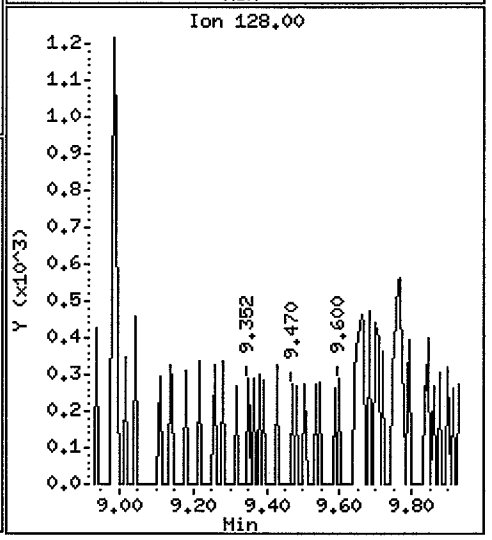












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

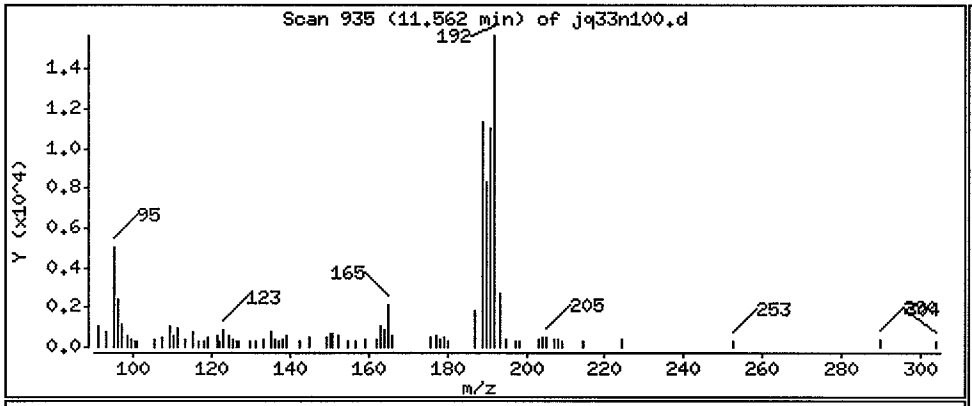
Operator: VTS

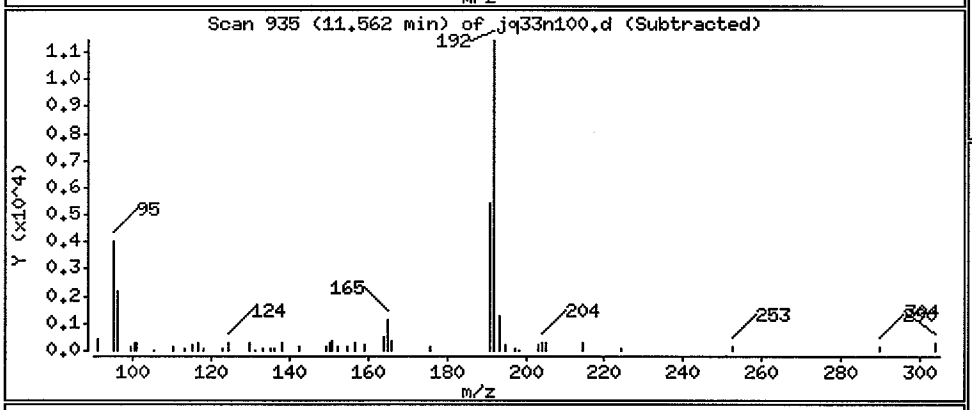
Column phase: ZB-5

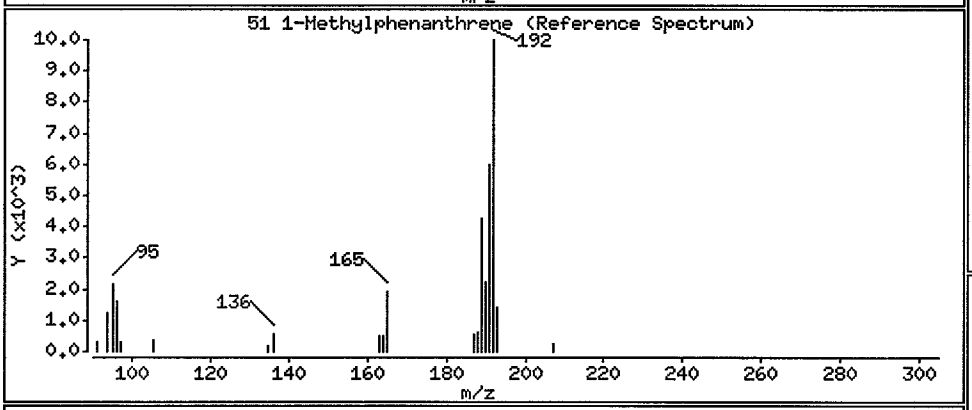
Column diameter: 0.25

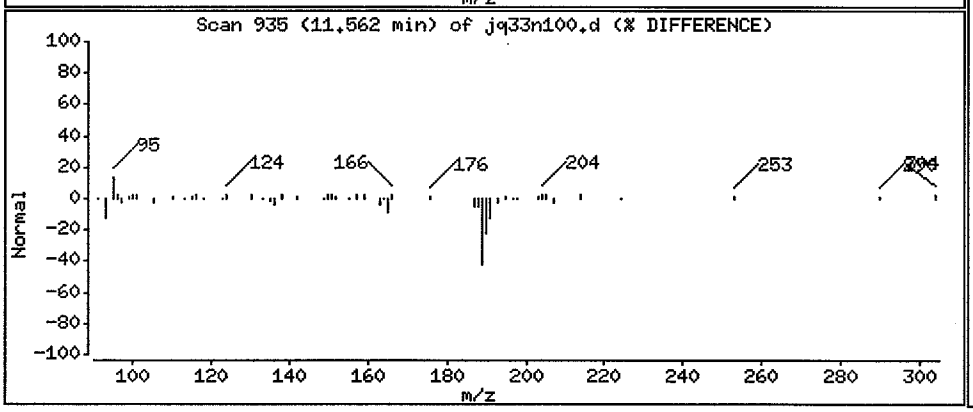
51 1-Methylphenanthrene

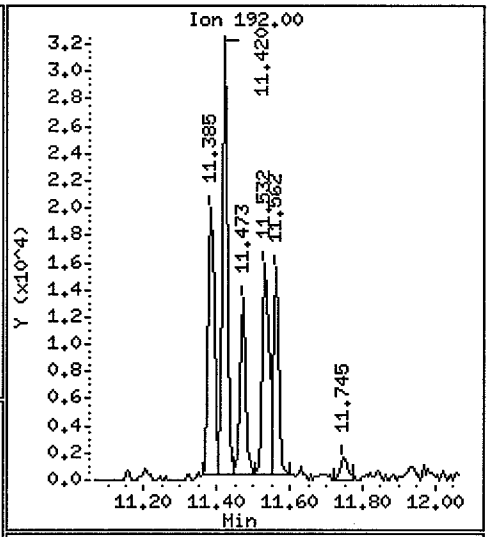
Concentration: 1001 ug/kg

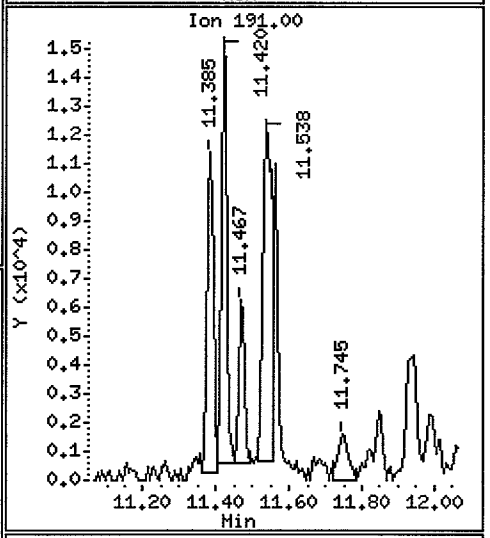


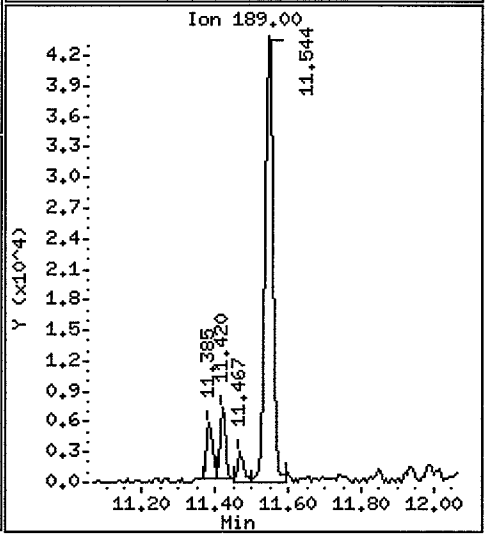












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

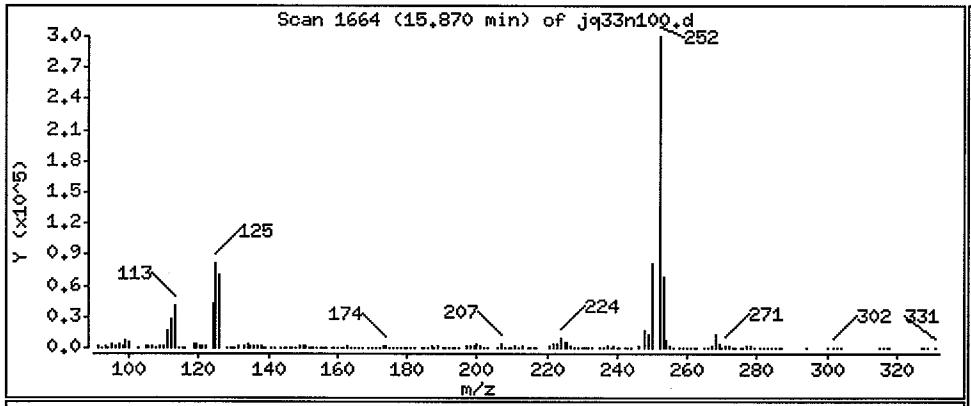
Operator: VTS

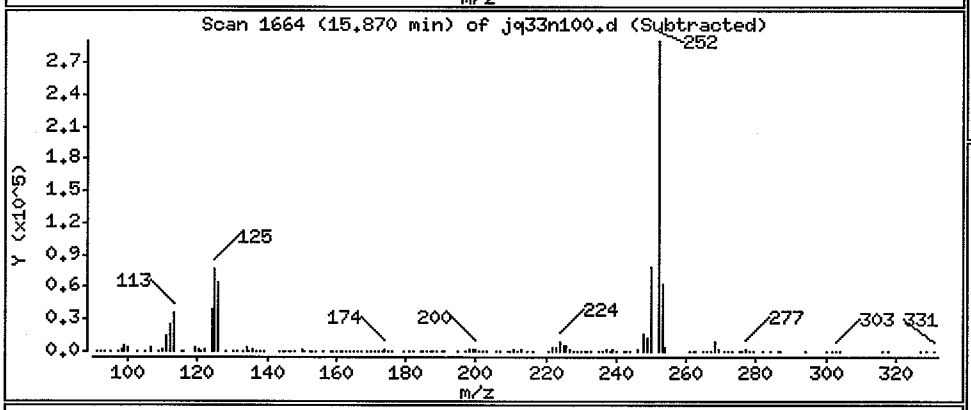
Column phase: ZB-5

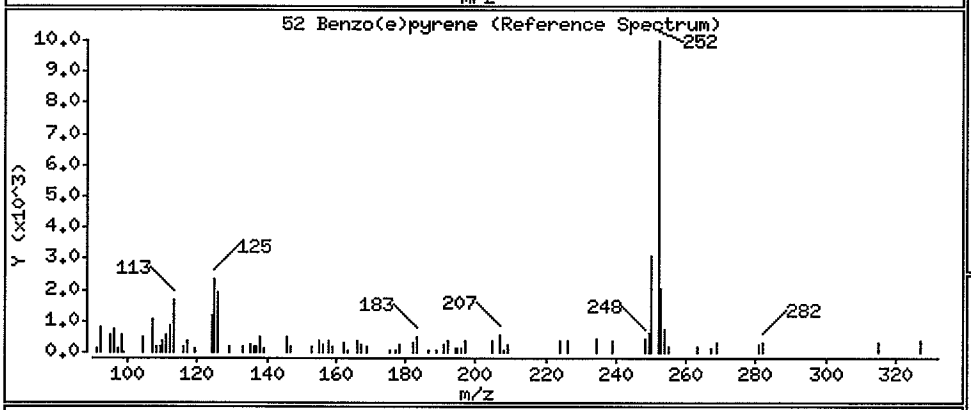
Column diameter: 0.25

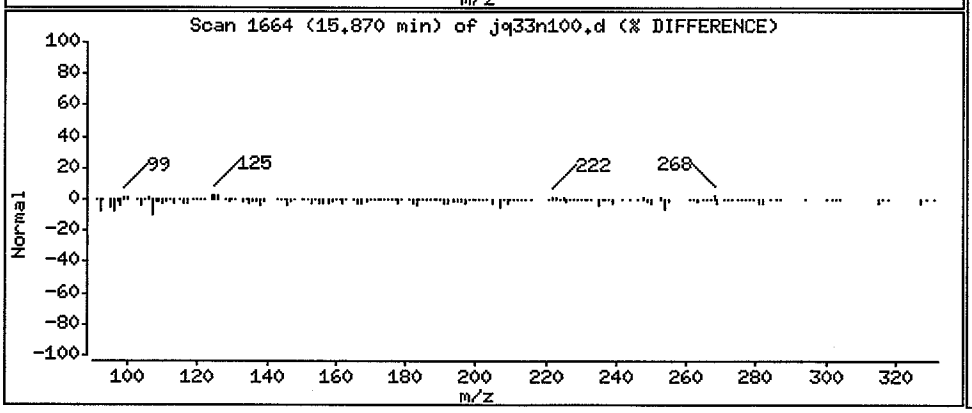
52 Benzo(e)pyrene

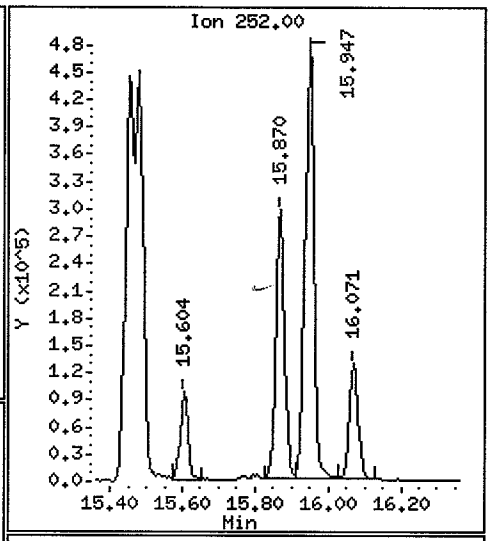
Concentration: 19430 ug/kg

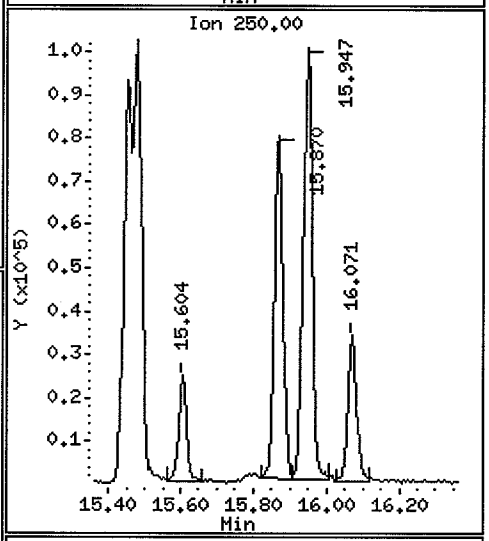


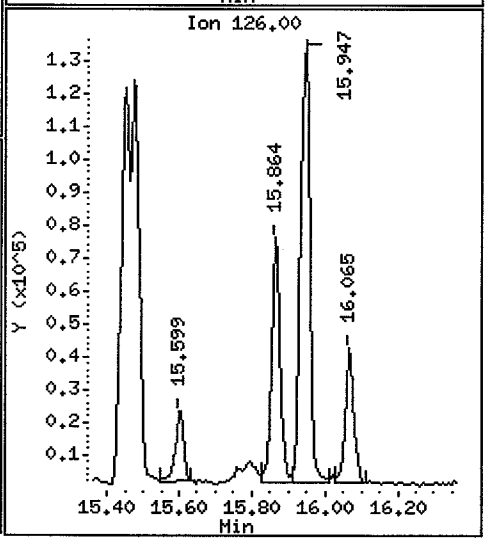












Data File: /chem3/nt1.i/20060804.b/jq33n100.d

Date : 04-AUG-2006 20:44

Client ID: T4-S3-01-E

Instrument: nt1.i

Sample Info: JQ33N,100

Volume Injected (uL): 1.0

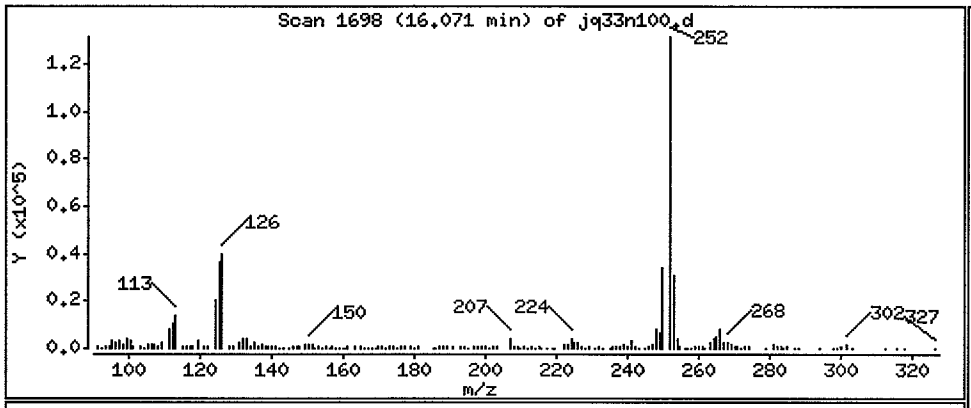
Operator: VTS

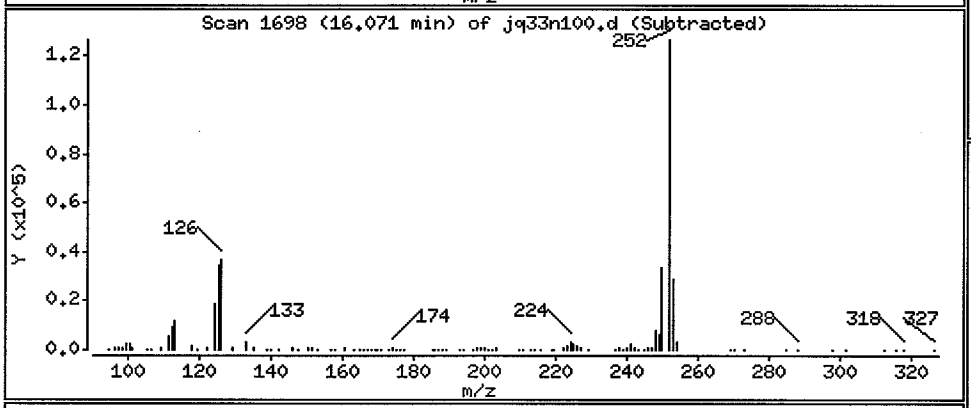
Column phase: ZB-5

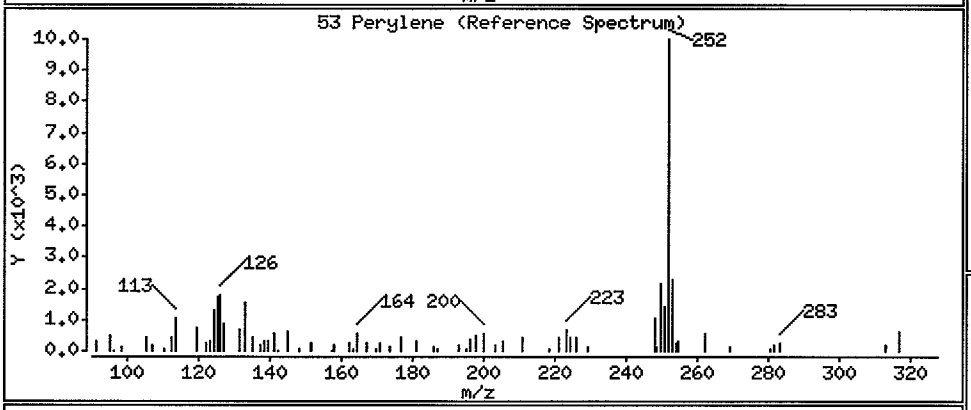
Column diameter: 0.25

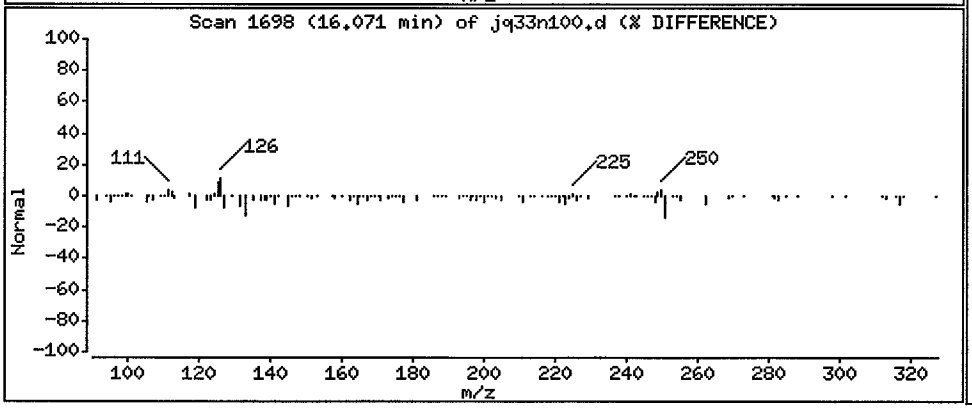
53 Perylene

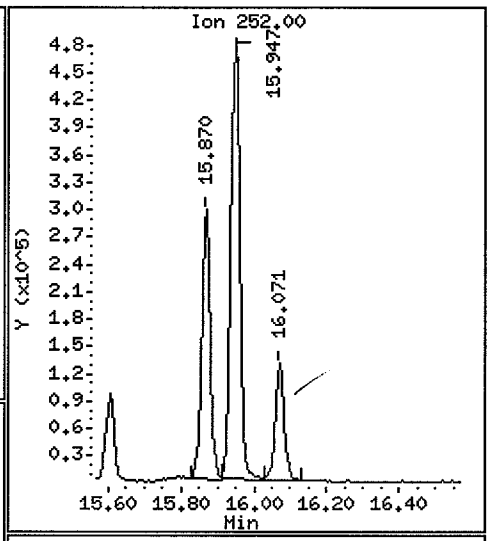
Concentration: 9356 ug/kg

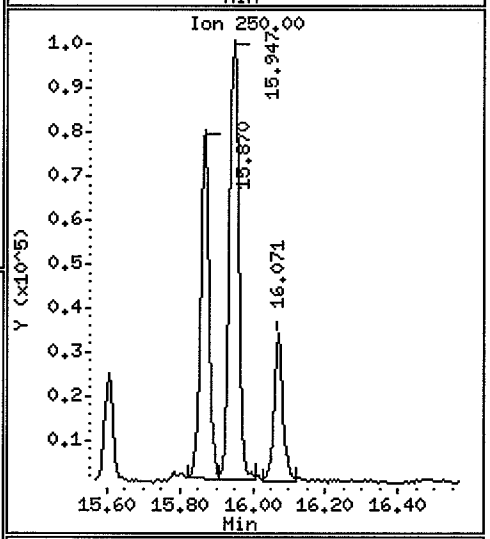


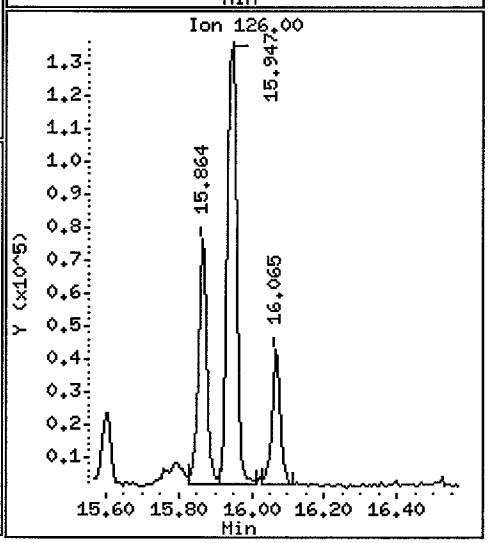












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-S3-01-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JQ330 QC Report No: JQ33-Anchor Environmental
LIMS ID: 06-12937 Project: T4 EARLY ACTION
Matrix: Sediment Event: 050332-01
Data Release Authorized: Date Sampled: 07/18/06
Reported: 08/08/06 Date Received: 07/21/06

Date Extracted: 07/27/06 Sample Amount: 1.01 g-dry-wt
Date Analyzed: 08/04/06 21:09 Final Extract Volume: 0.5 mL
Instrument/Analyst: NT1/YZ Dilution Factor: 20.0
GPC Cleanup: No Percent Moisture: 49.8%
Silica Gel Cleanup: Yes pH: 7.0

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	**990**	**990**	
91-57-6	**2-Methylnaphthalene**	**990**	**590**	**J**
90-12-0	1-Methylnaphthalene	990	< 990	U
208-96-8	Acenaphthylene	990	< 990	U
83-32-9	**Acenaphthene**	**990**	**6,200**	
86-73-7	**Fluorene**	**990**	**2,800**	
85-01-8	**Phenanthrene**	**990**	**24,000**	**B**
120-12-7	**Anthracene**	**990**	**5,700**	
206-44-0	**Fluoranthene**	**990**	**53,000**	
129-00-0	**Pyrene**	**990**	**47,000**	
56-55-3	**Benzo(a)anthracene**	**990**	**34,000**	
218-01-9	**Chrysene**	**990**	**39,000**	
205-99-2	**Benzo(b)fluoranthene**	**990**	**44,000**	
207-08-9	**Benzo(k)fluoranthene**	**990**	**38,000**	
50-32-8	**Benzo(a)pyrene**	**990**	**45,000**	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**990**	**19,000**	
53-70-3	**Dibenz(a,h)anthracene**	**990**	**8,100**	
191-24-2	**Benzo(g,h,i)perylene**	**990**	**20,000**	
198-55-0	**Perylene**	**990**	**12,000**	
92-52-4	Biphenyl	990	< 990	U
581-42-0	2,6-Dimethylnaphthalene	990	< 990	U
832-69-9	**1-Methylphenanthrene**	**990**	**1,600**	
192-97-2	**Benzo(e)pyrene**	**990**	**26,000**	
2245-38-7	2,3,5-Trimethylnaphthalene	990	< 990	U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	60.7%
d14-Dibenzo(a,h)anthracen	54.7%

YZ 8/7/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33o20.d
Lab Smp Id: JQ33O Client Smp ID: T4-S3-01-F
Inj Date : 04-AUG-2006 21:09
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33O,20
Misc Info : 06-12937
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 27
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	20.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	2.01000	Weight of sample extracted (g)
M	49.80000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.884	6.883	(1.000)	252583	2.00000	
	2 Naphthalene	128	6.908	6.907	(1.003)	13214	0.10488	1039
$	3 2-Methylnaphthalene-d10	152	7.641	7.640	(1.110)	5945	0.09138 J	905.6
	4 2-Methylnaphthalene	142	7.676	7.681	(1.115)	4505	0.06038 J	598.4
	5 1-Methylnaphthalene	142	Compound Not Detected.					
	7 Acenaphthylene	152	Compound Not Detected.					
*	8 Acenaphthene-d10	164	8.947	8.946	(1.000)	137446	2.00000	
	9 Acenaphthene	153	8.982	8.987	(1.004)	42435	0.62878	6232
	10 Dibenzofuran	168	9.171	9.170	(1.025)	11495	0.11563	1146
	11 Fluorene	166	9.597	9.596	(1.073)	21854	0.28240	2799
*	15 Phenanthrene-d10	188	10.761	10.760	(1.000)	226835	2.00000	
	16 Phenanthrene	178	10.791	10.790	(1.003)	285328	2.45062 B	24290
	17 Anthracene	178	10.844	10.843	(1.008)	67026	0.57606	5709
	19 Fluoranthene	202	12.280	12.279	(1.141)	636298	5.35801	53100

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	20 Pyrene	202	12.570	12.569	(0.893)	611695	4.78617	47430
	22 Benzo(a)anthracene	228	14.053	14.052	(0.998)	407076	3.39641	33660
*	23 Chrysene-d12	240	14.077	14.070	(1.000)	199033	2.00000	
	24 Chrysene	228	14.106	14.105	(1.002)	437700	3.95934	39240
	28 Benzo(b)fluoranthene	252	15.454	15.447	(0.964)	474790	4.45887	44190
	29 Benzo(k)fluoranthene	252	15.477	15.476	(0.966)	438130	3.85949	38250
	30 Benzo(a)pyrene	252	15.944	15.938	(0.995)	474597	4.57415	45330
*	31 Perylene-d12	264	16.027	16.026	(1.000)	188672	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.989	17.988	(1.122)	231021	1.93615	19190
$	32 Dibenz(a,h)anthrancene-d14	292	17.912	17.906	(1.118)	5886	0.08152 F	807.9(M)
	34 Dibenz(a,h)anthracene	278	17.971	17.976	(1.121)	79500	0.81559	8083
	35 Benzo(g,h,i)perylene	276	18.574	18.562	(1.159)	196061	1.97671	19590
	48 Biphenyl	154	Compound Not Detected.					
	49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
	50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
	51 1-Methylphenanthrene	192	11.559	11.564	(0.821)	12679	0.15563	1542
	52 Benzo(e)pyrene	252	15.867	15.861	(0.990)	306239	2.66643	26430
	53 Perylene	252	16.068	16.068	(1.003)	135872	1.25999	12490

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33o20.d
Lab Smp Id: JQ33O
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12937

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: T4-S3-01-F
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	252583	13.36
8 Acenaphthene-d10	123591	61796	247182	137446	11.21
15 Phenanthrene-d10	200797	100398	401594	226835	12.97
23 Chrysene-d12	171210	85605	342420	199033	16.25
31 Perylene-d12	183426	91713	366852	188672	2.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.01
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.01
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	0.00
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.00
31 Perylene-d12	16.03	15.53	16.53	16.03	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

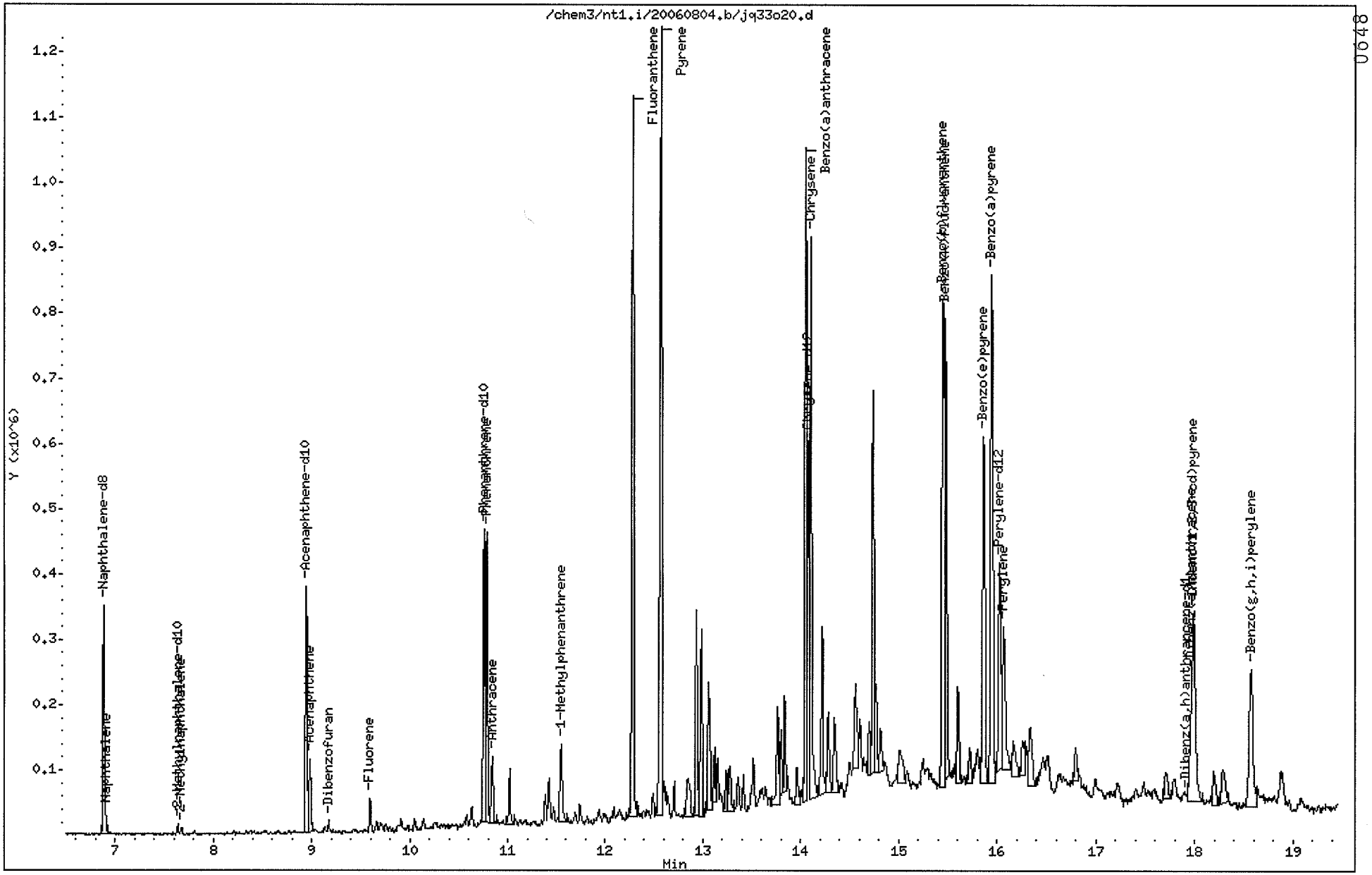
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33O
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12937

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-S3-01-F
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	1487	905.6	60.92	32-97
$ 32 Dibenz(a,h)anthran	1487	807.9	54.35	21-105

Data File: /chem3/nt1.i/20060804.b/jq33o20.d
Date : 04-AUG-2006 21:09
Client ID: T4-S3-01-F
Sample Info: JQ330,20
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



Data File: /chem3/nt1.i/20060804.b/jq330z0.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ330,20

Volume Injected (uL): 1.0

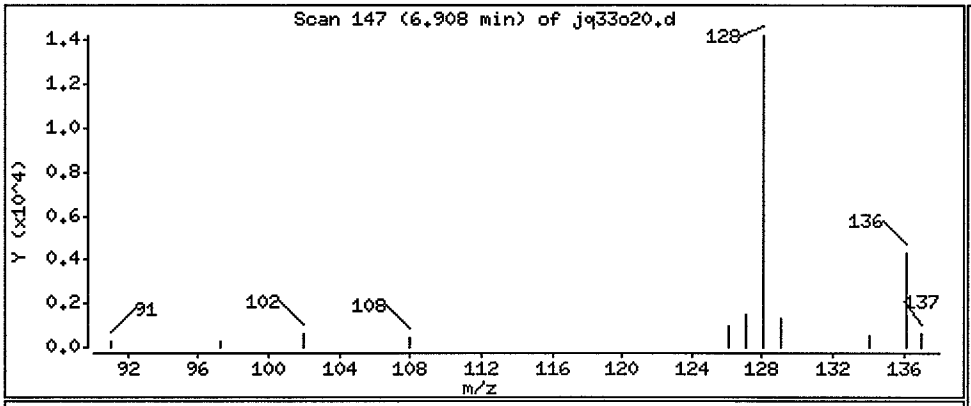
Operator: VTS

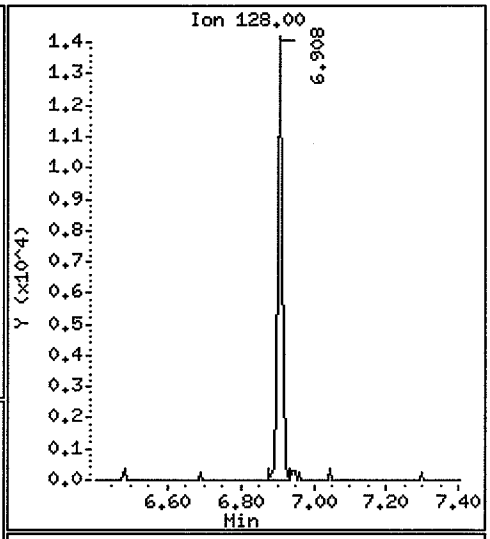
Column phase: ZB-5

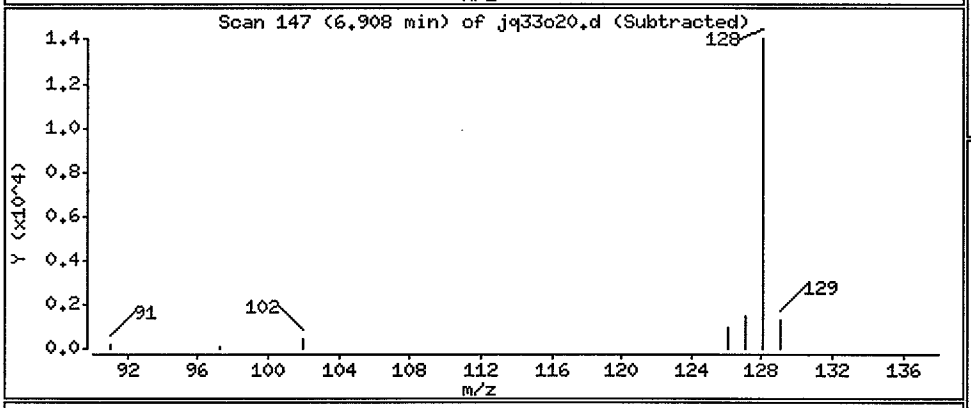
Column diameter: 0.25

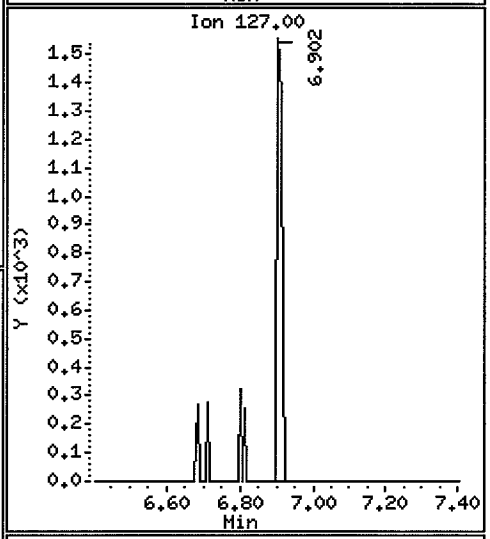
2 Naphthalene

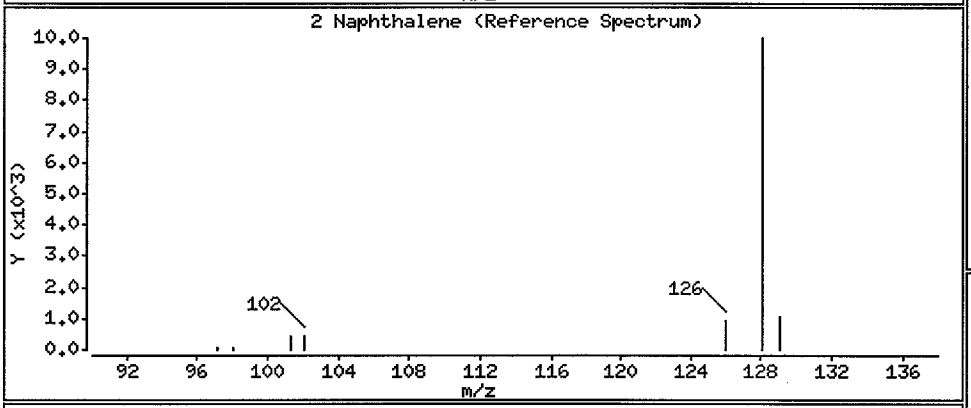
Concentration: 1039 ug/kg

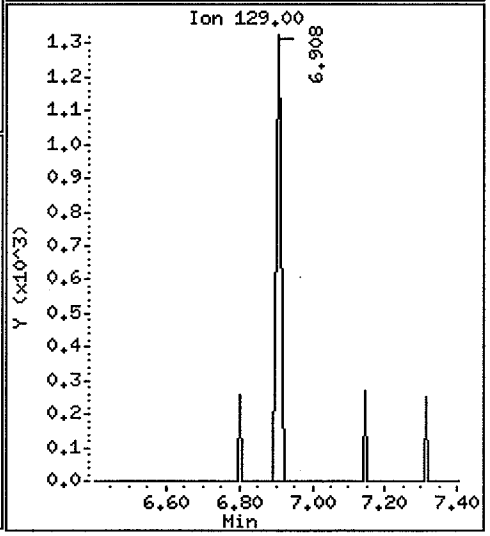


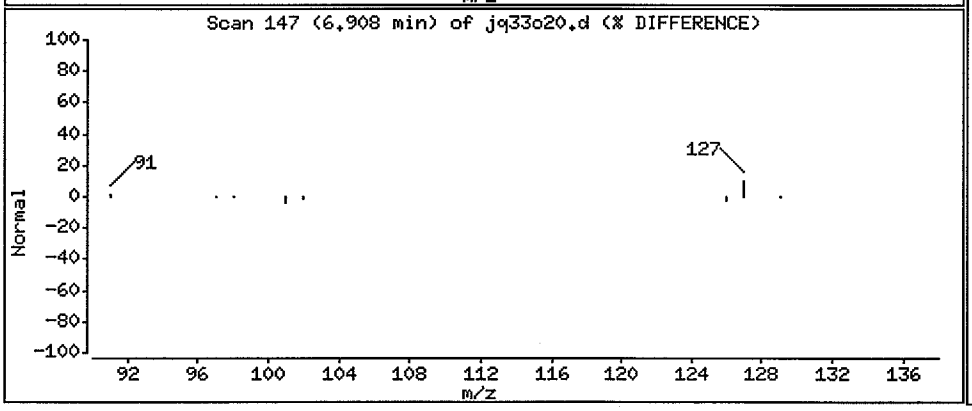












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ33O,20

Volume Injected (uL): 1.0

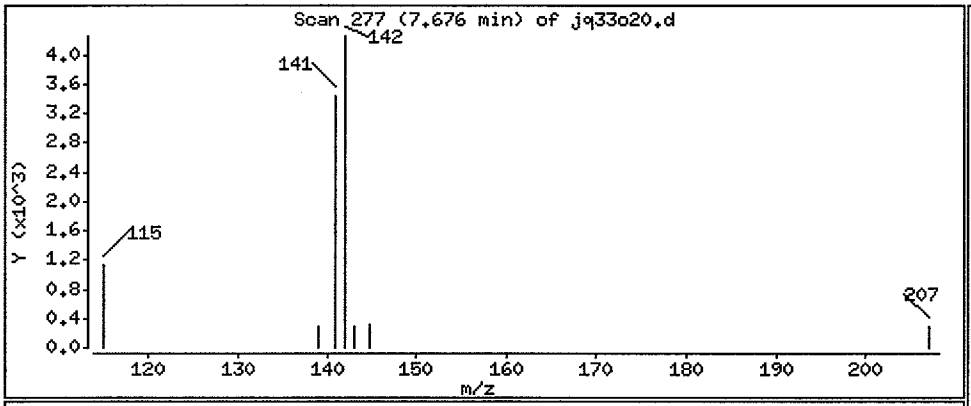
Operator: VTS

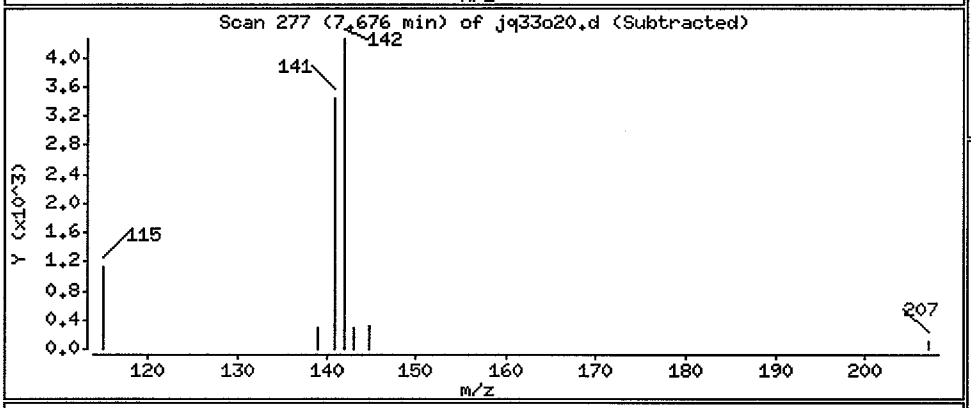
Column phase: ZB-5

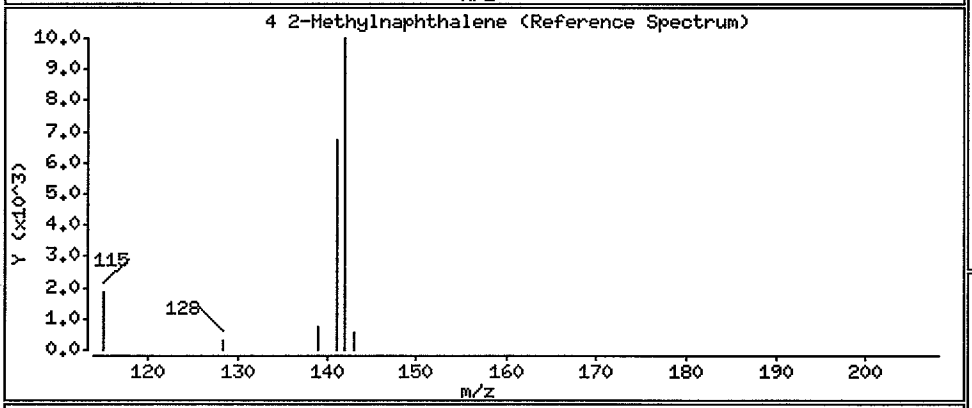
Column diameter: 0.25

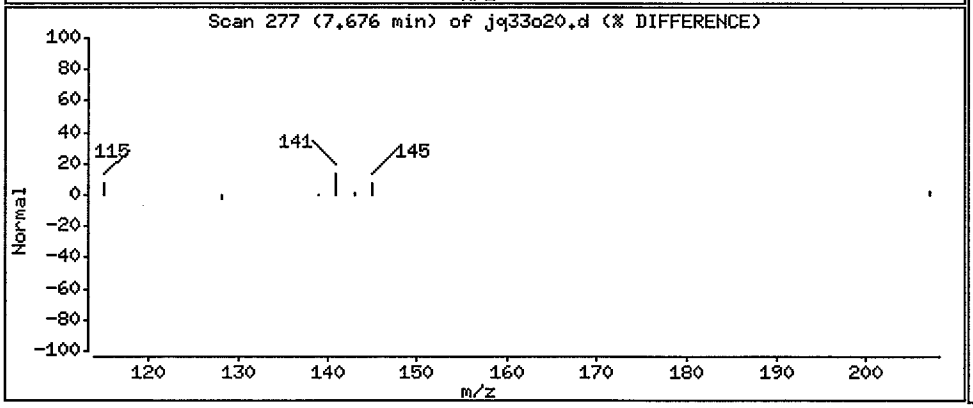
4 2-Methylnaphthalene

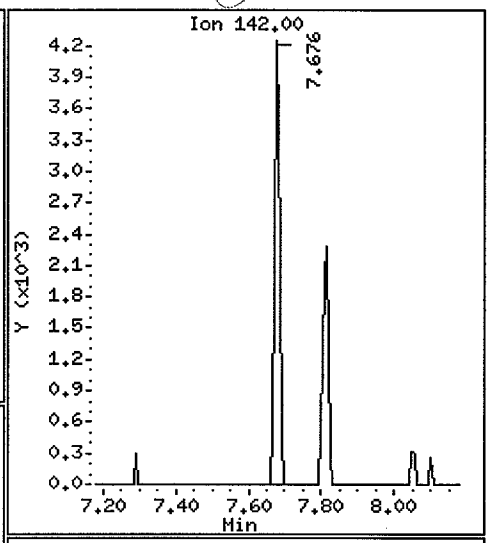
Concentration: 598.4 ug/kg

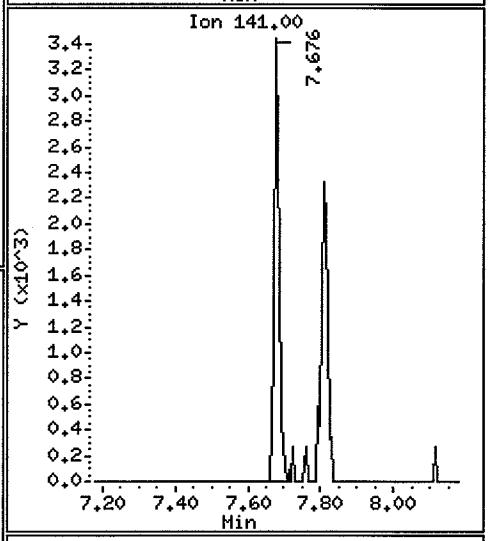


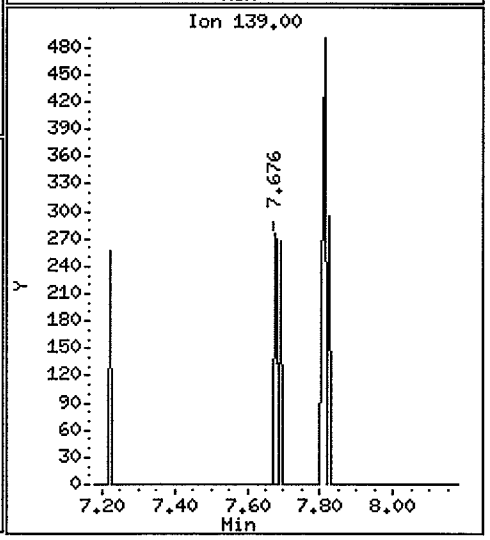












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ330,20

Volume Injected (uL): 1.0

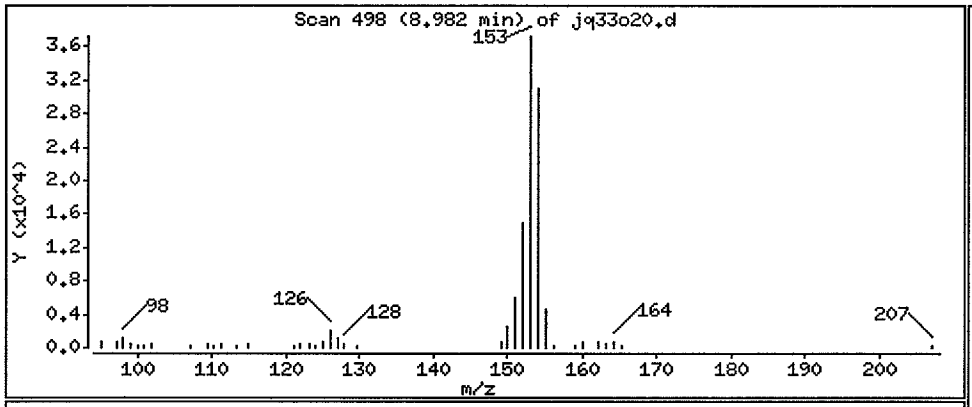
Operator: VTS

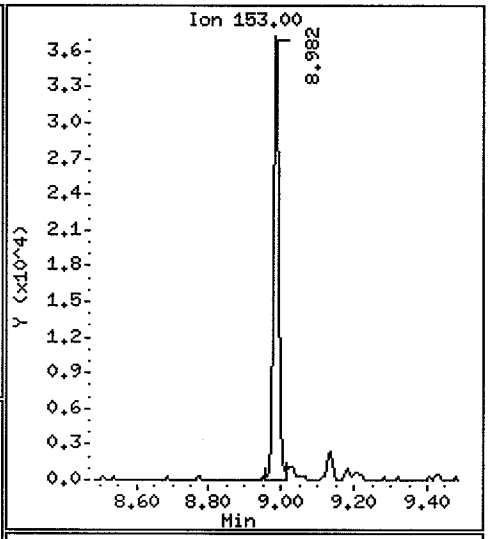
Column phase: ZB-5

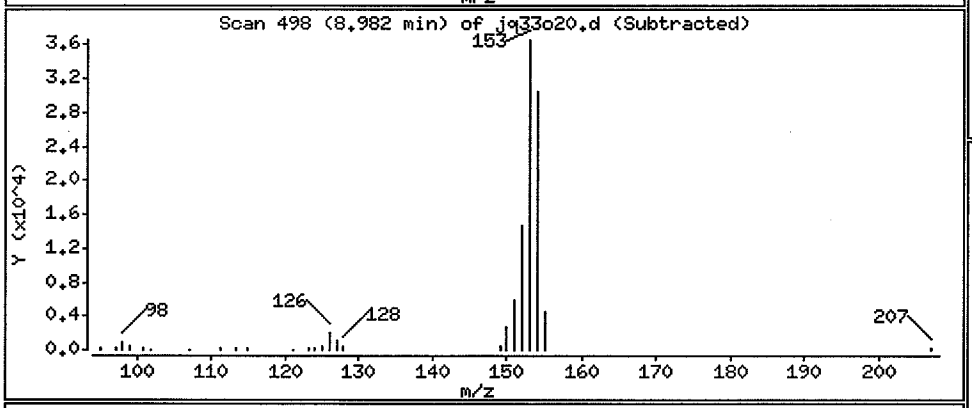
Column diameter: 0.25

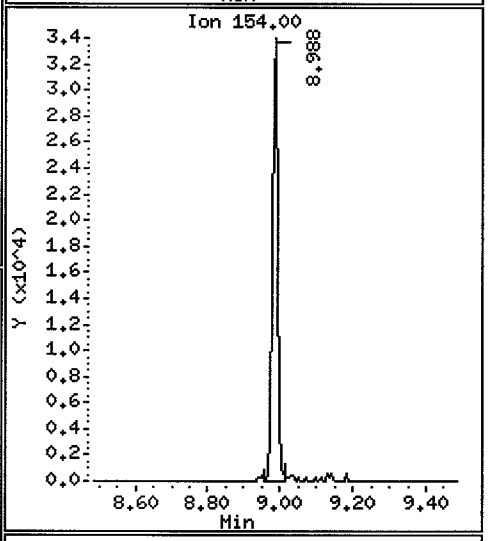
9 Acenaphthene

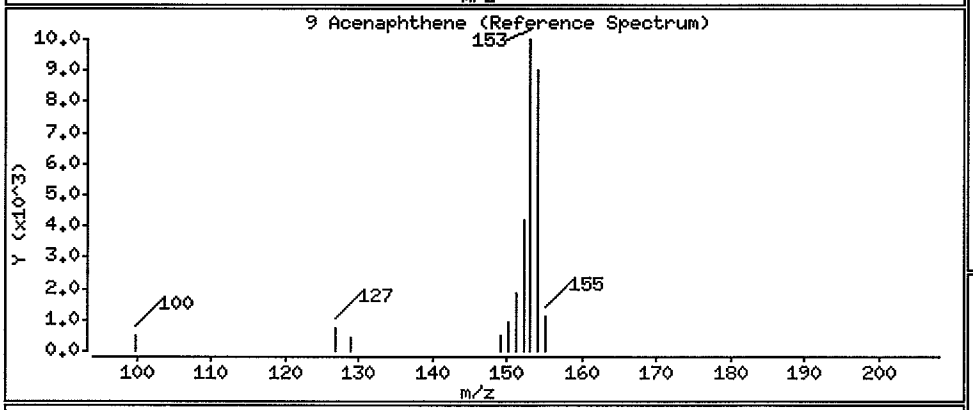
Concentration: 6232 ug/kg

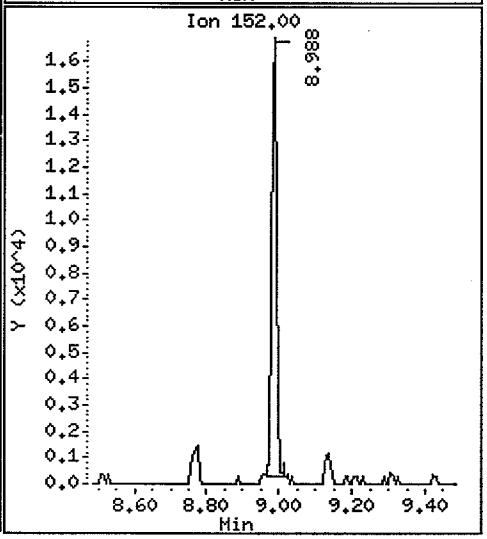


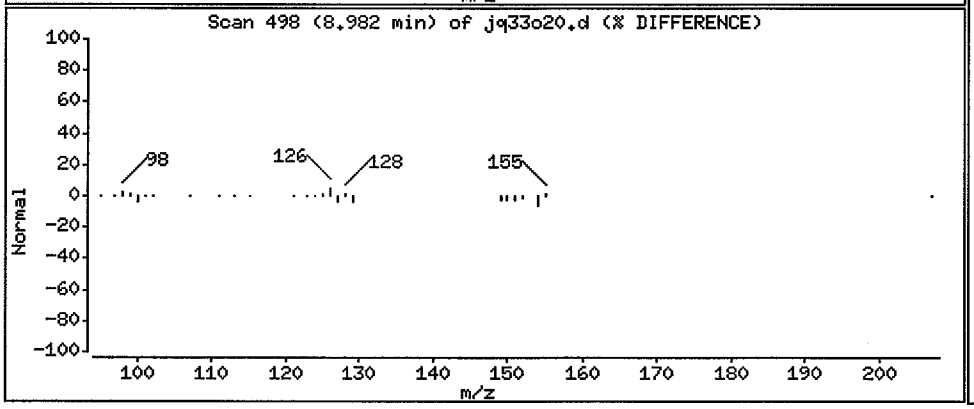












Data File: /chem3/nt1.i/20060804.b/jq330z0.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ330,20

Volume Injected (uL): 1.0

Operator: VTS

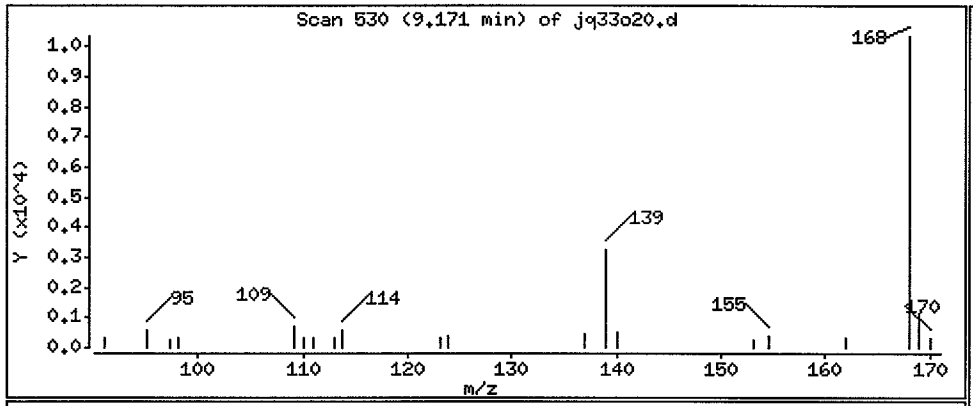
Column phase: ZB-5

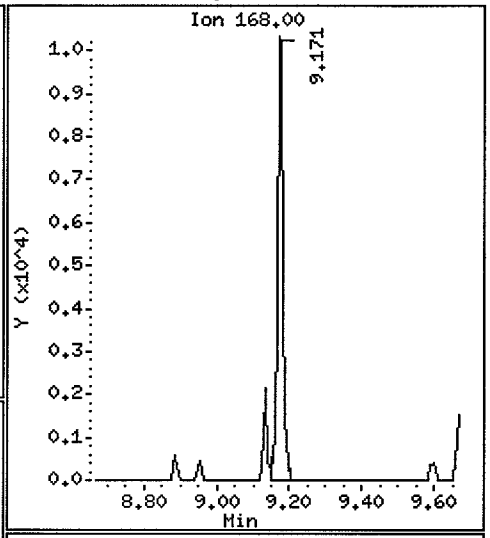
Column diameter: 0.25

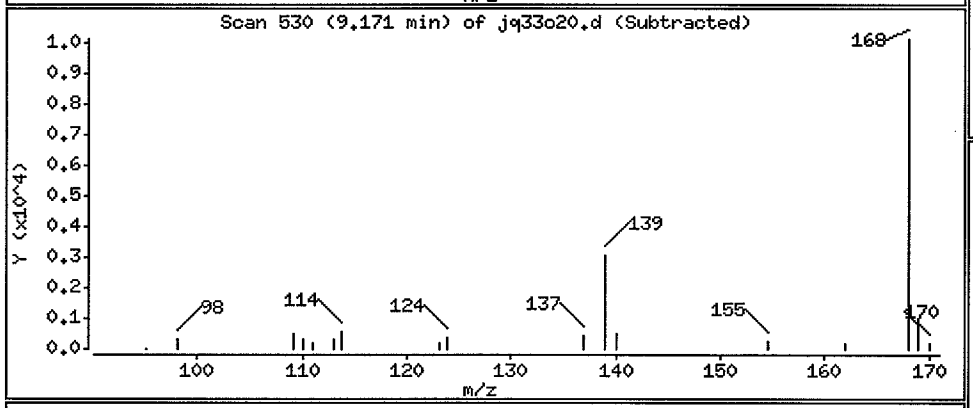
10 Dibenzofuran

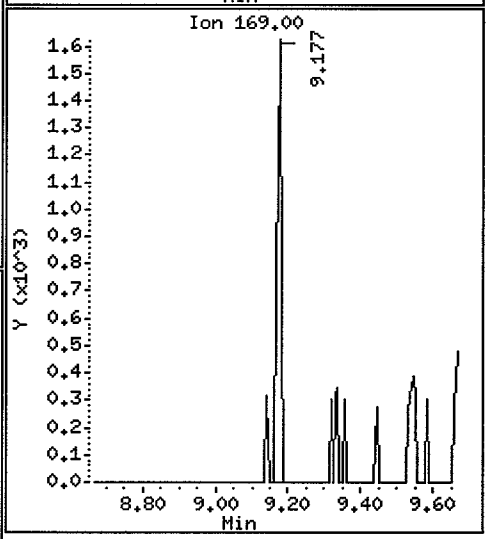
Concentration: 1146 ug/kg

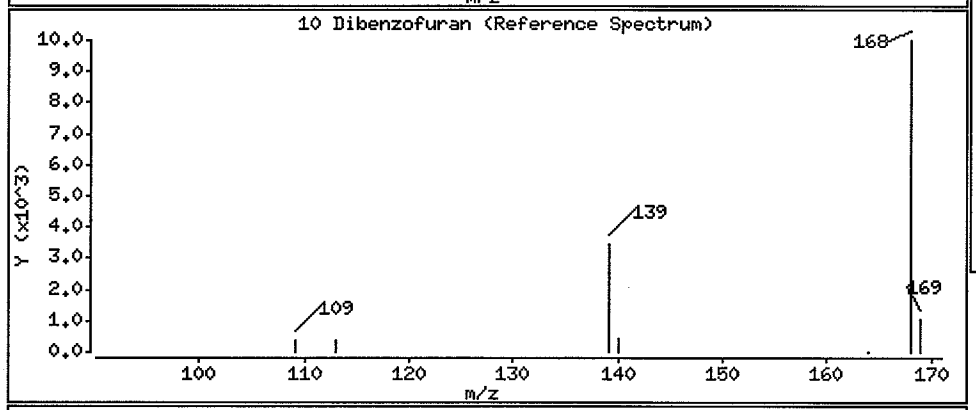
N.D. cpd.

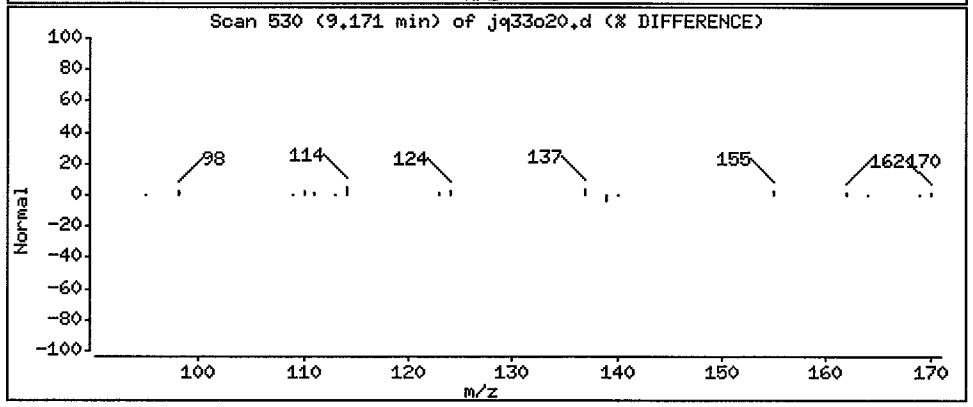












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ330,20

Volume Injected (uL): 1.0

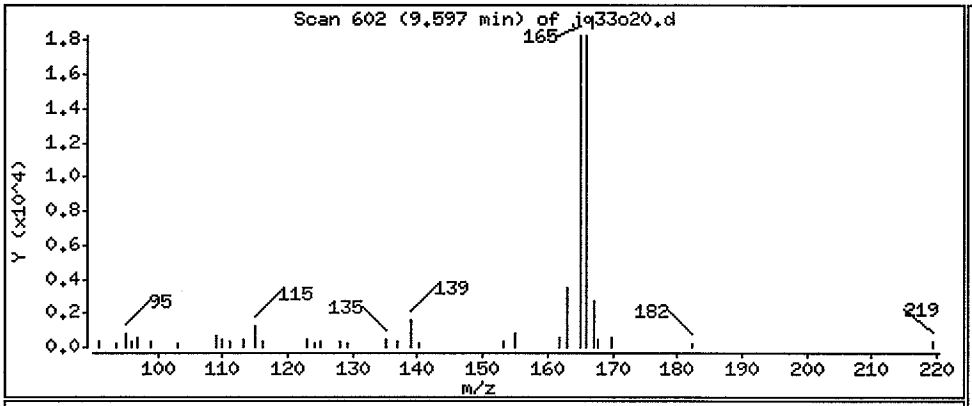
Operator: VTS

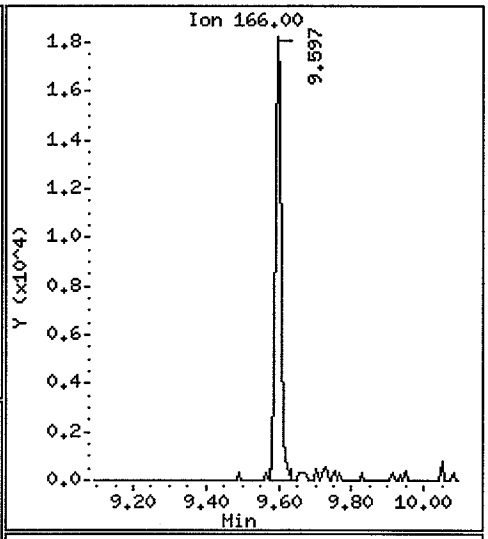
Column phase: ZB-5

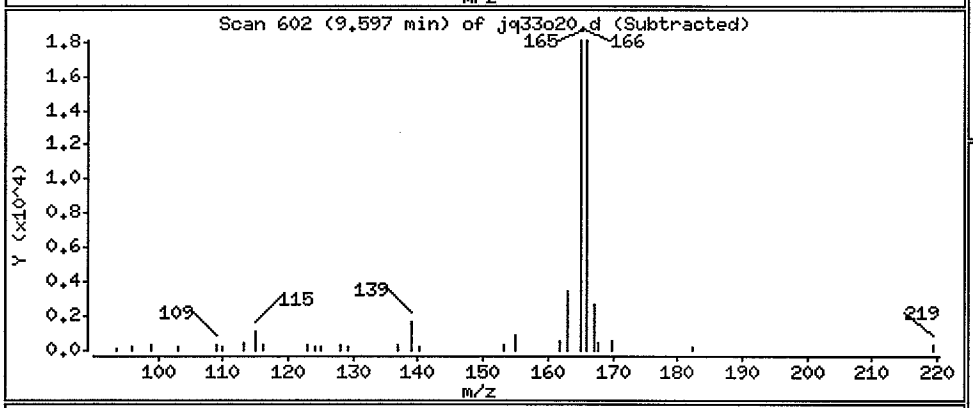
Column diameter: 0.25

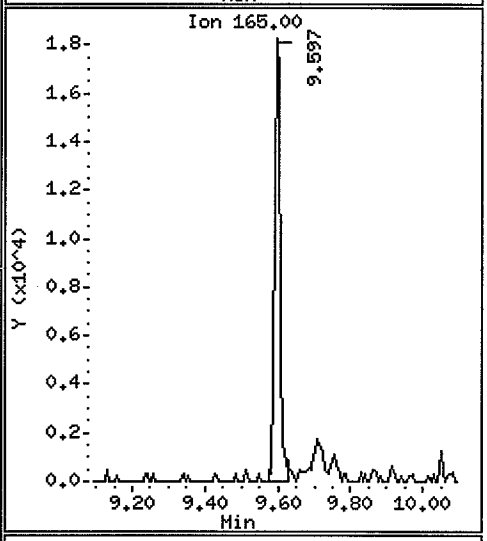
11 Fluorene

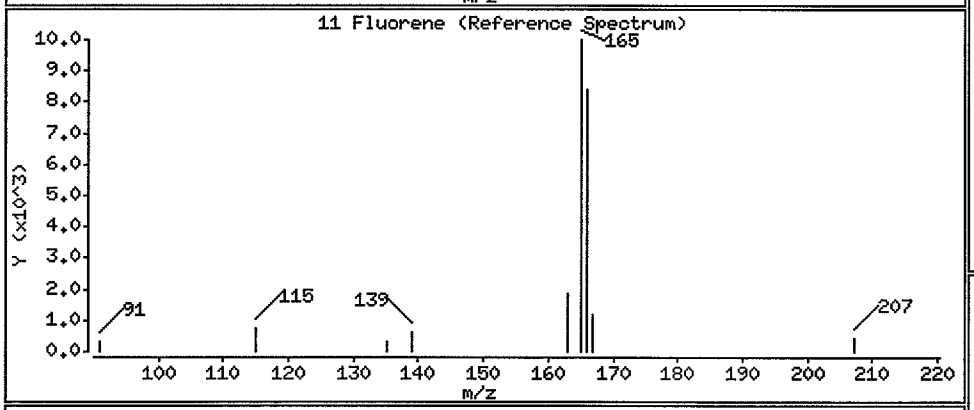
Concentration: 2799 ug/kg

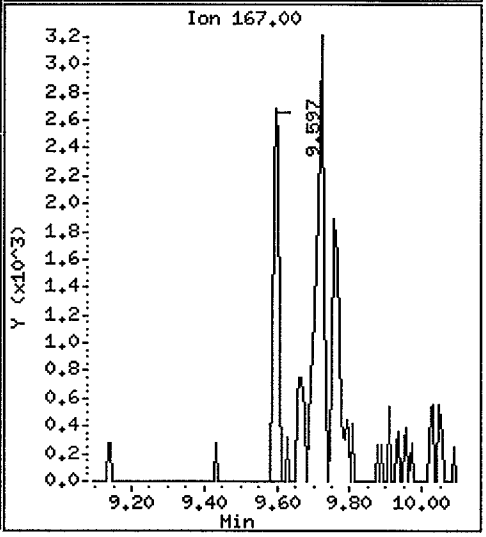


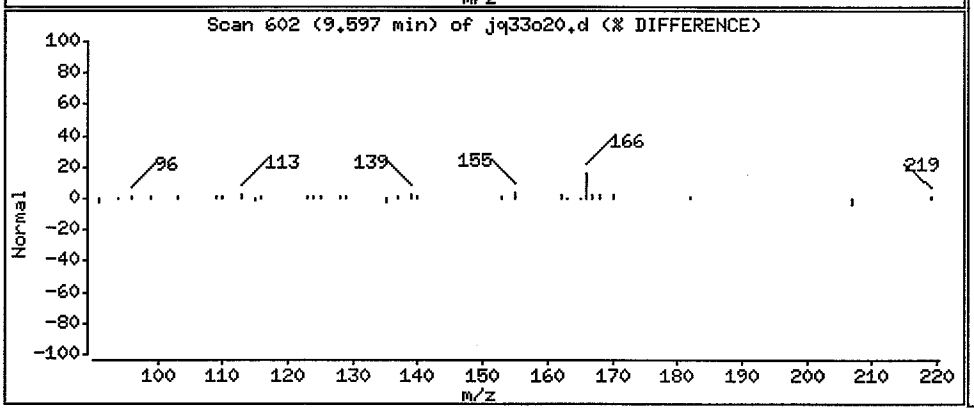












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ330,20

Volume Injected (uL): 1.0

Operator: VTS

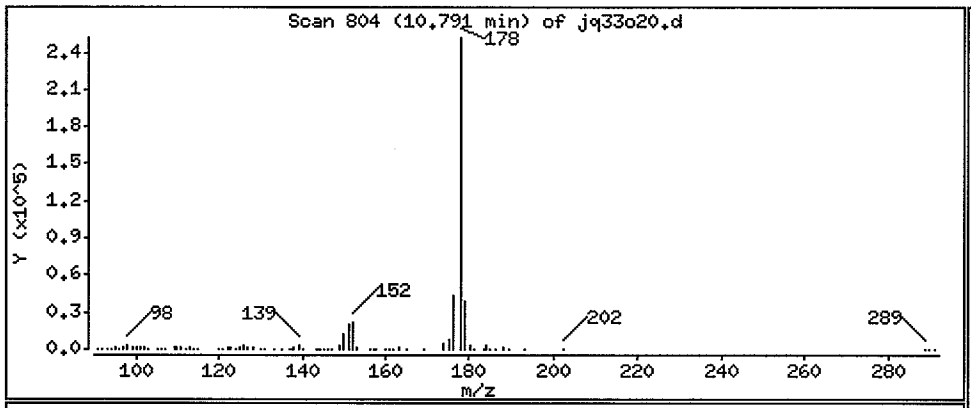
Column phase: ZB-5

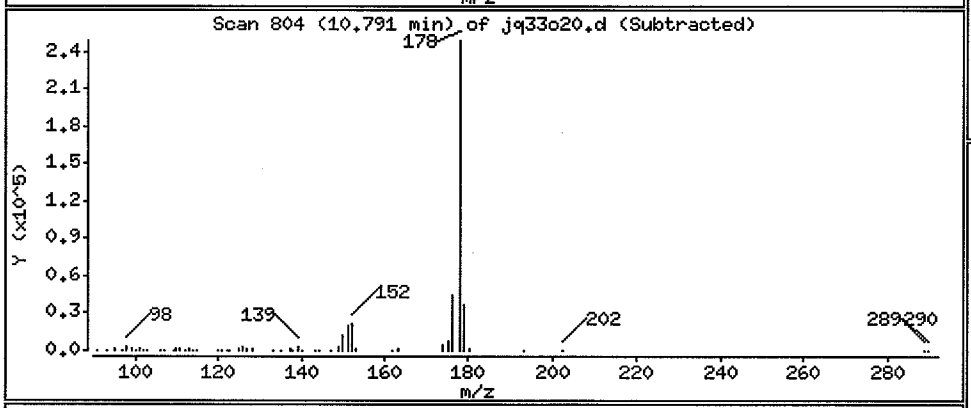
Column diameter: 0.25

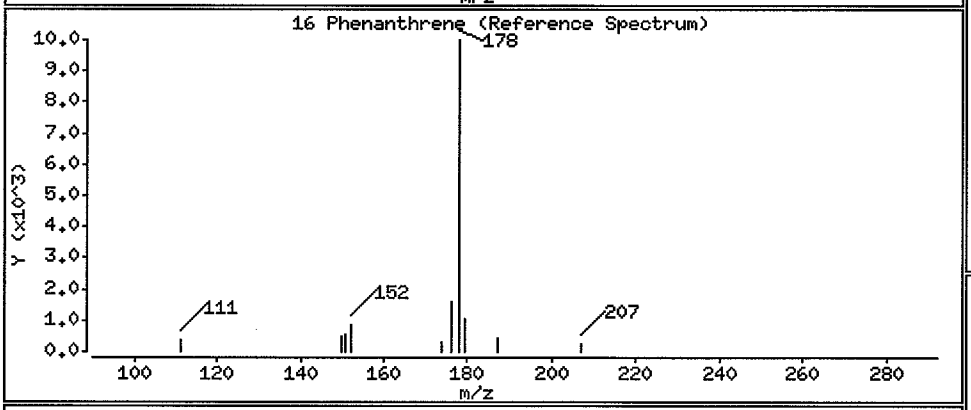
16 Phenanthrene

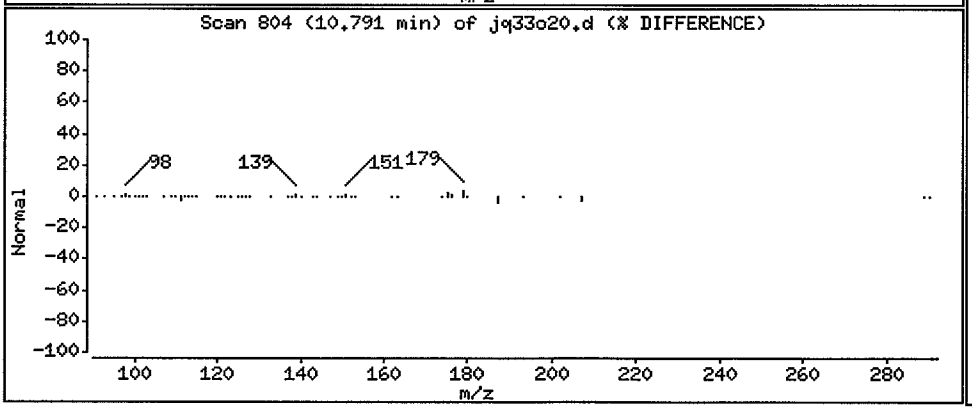
Concentration: 24290 ug/kg

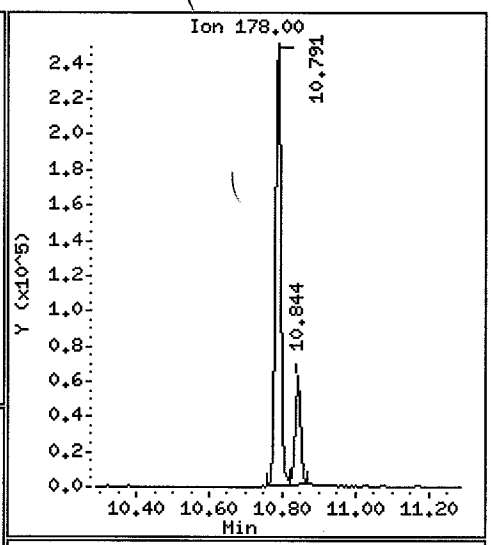
B

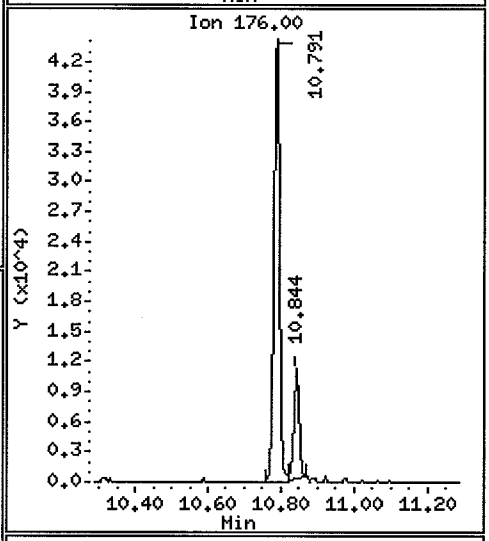


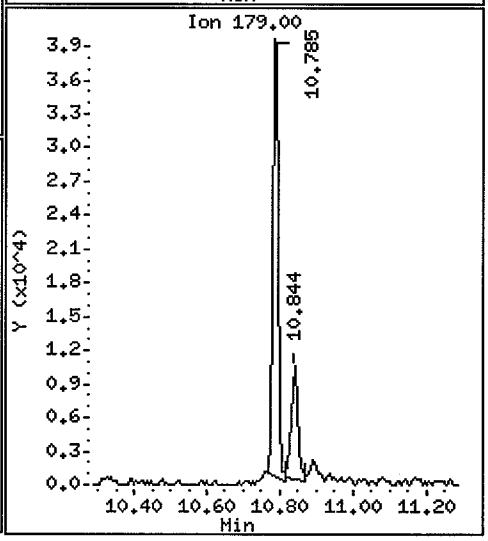












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ330,20

Volume Injected (uL): 1.0

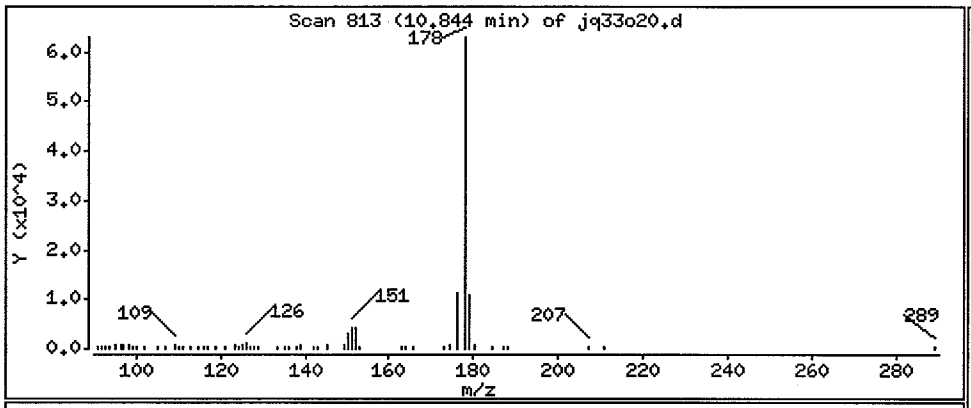
Operator: VTS

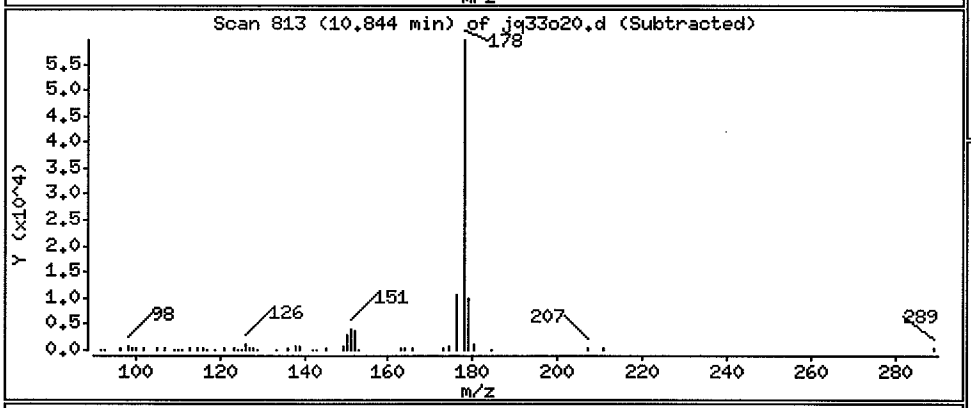
Column phase: ZB-5

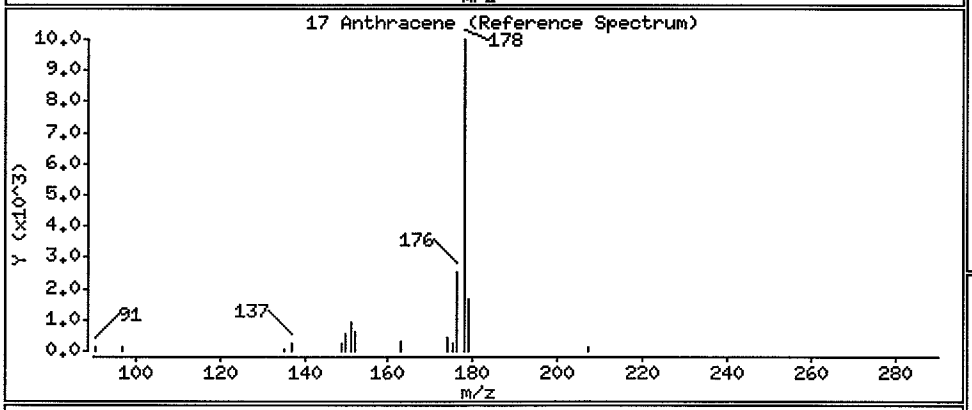
Column diameter: 0.25

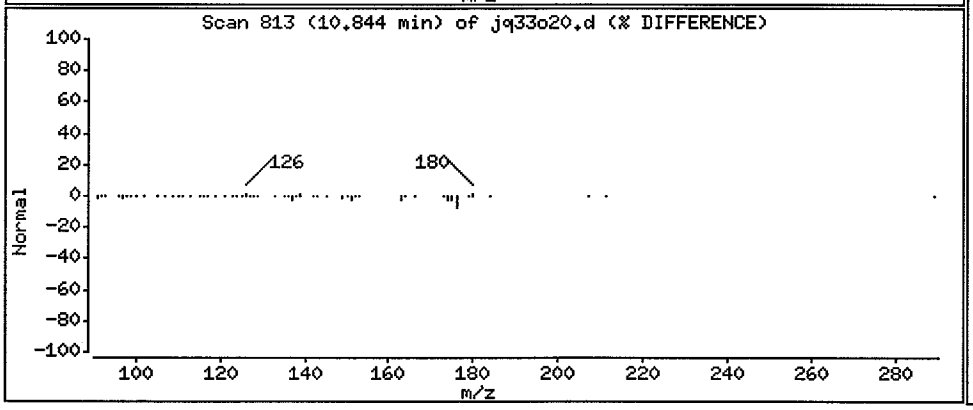
17 Anthracene

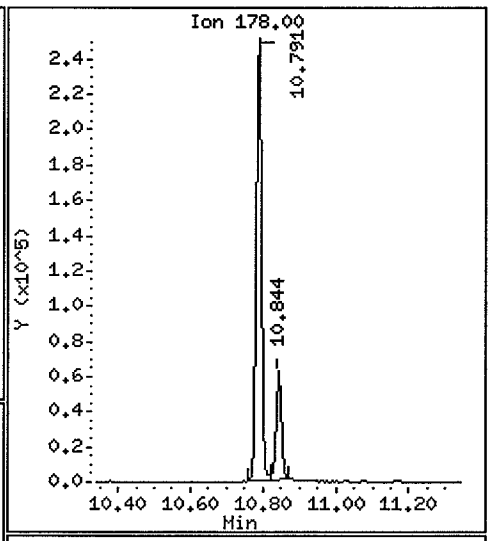
Concentration: 5709 ug/kg

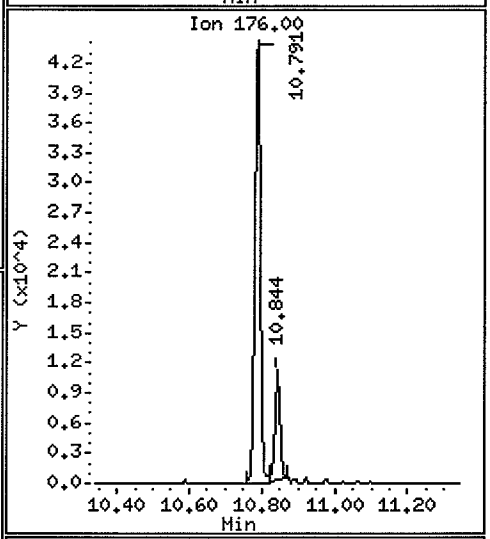


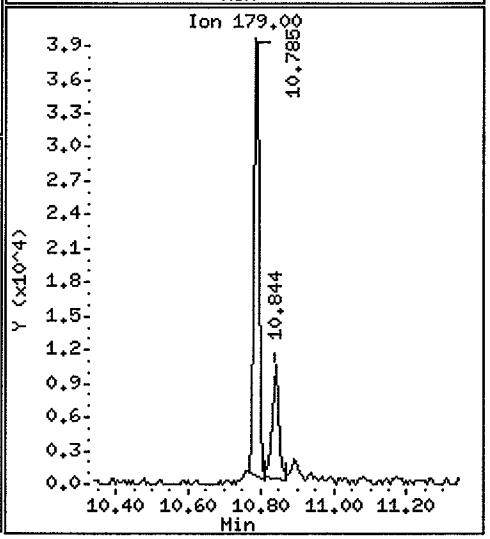












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ33O,20

Volume Injected (uL): 1.0

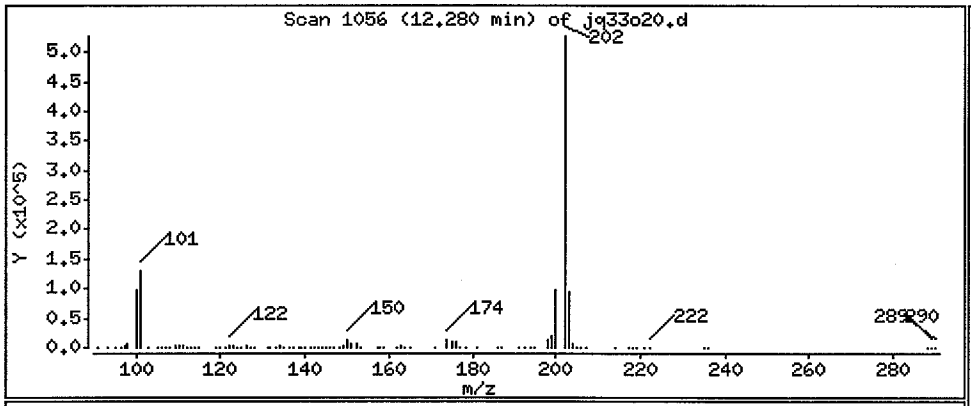
Operator: VTS

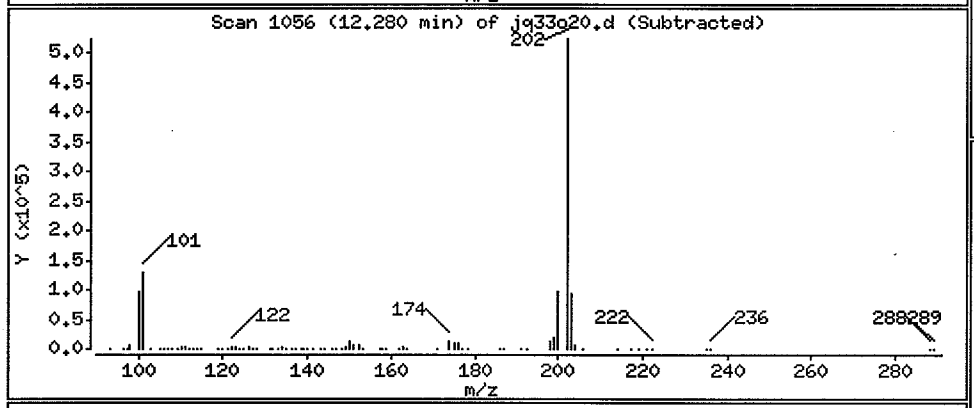
Column phase: ZB-5

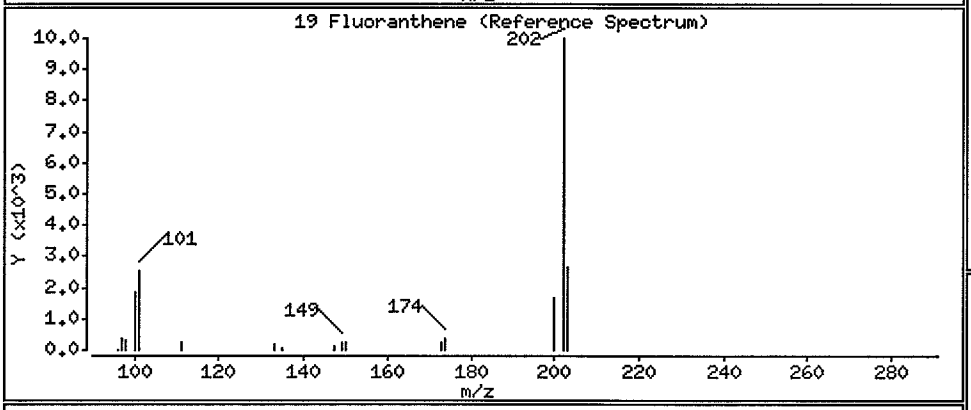
Column diameter: 0.25

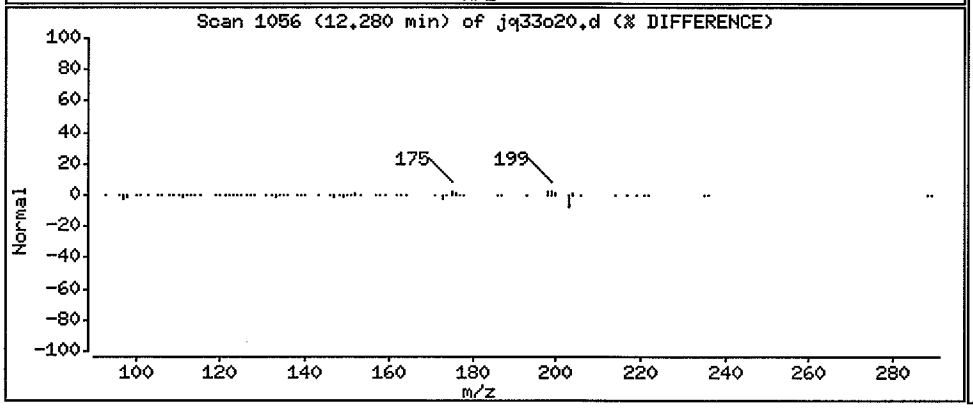
19 Fluoranthene

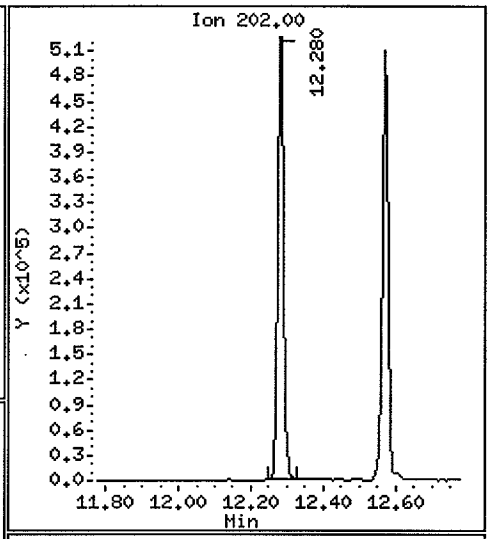
Concentration: 53100 ug/kg

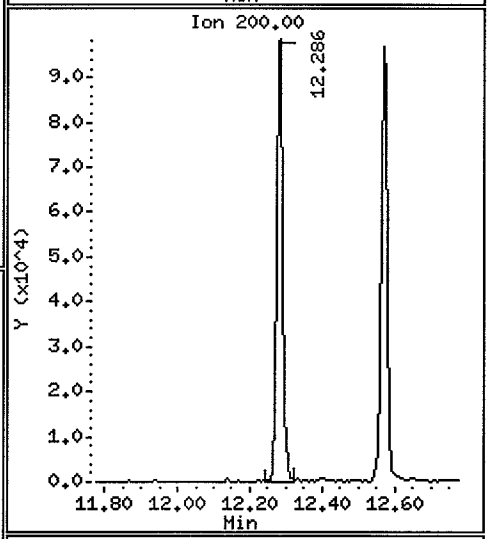


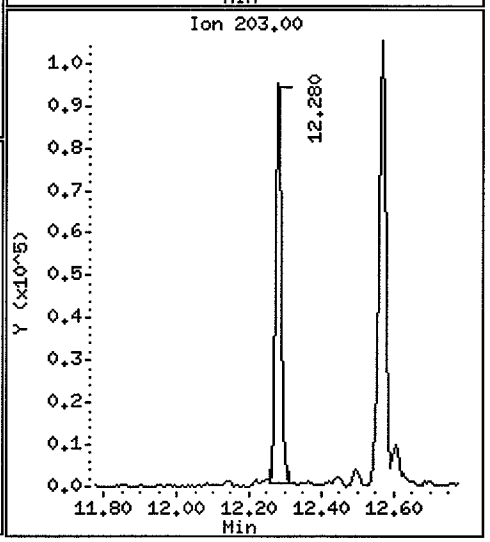












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ330,20

Volume Injected (uL): 1.0

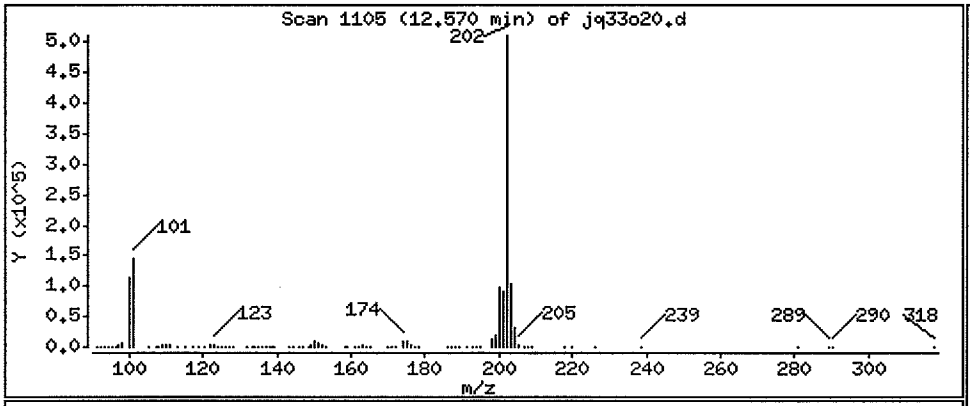
Operator: VTS

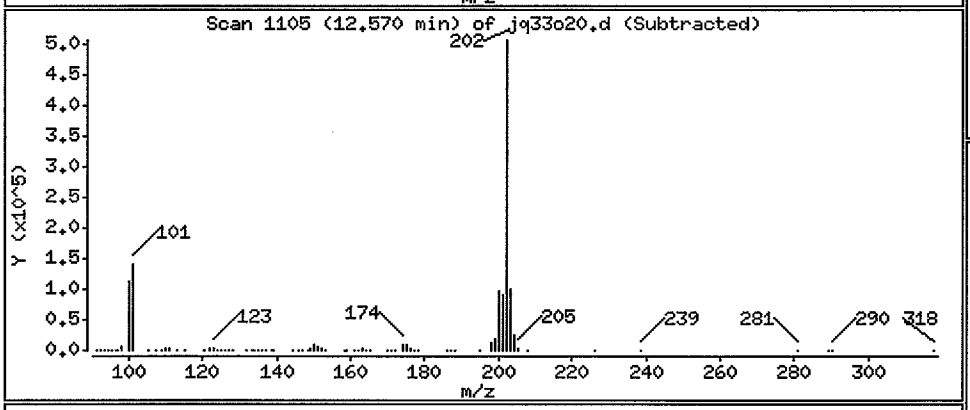
Column phase: ZB-5

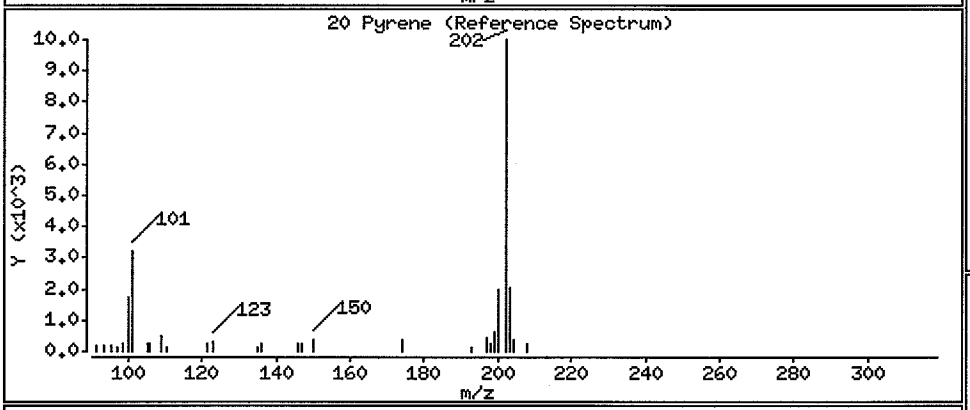
Column diameter: 0.25

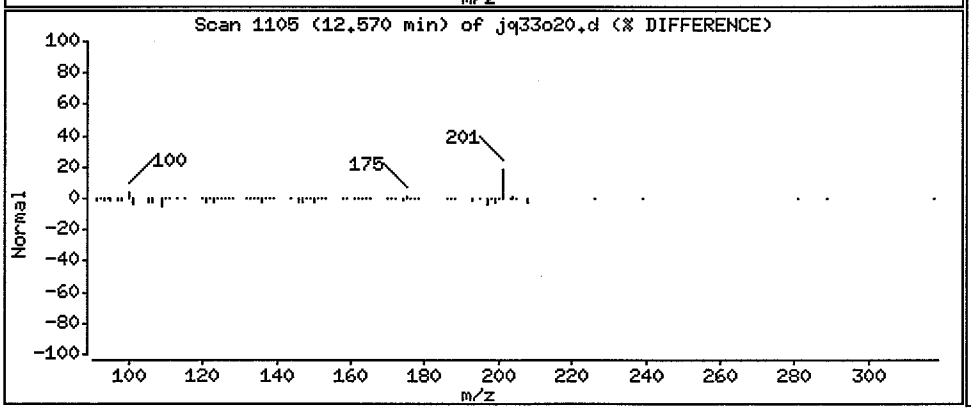
20 Pyrene

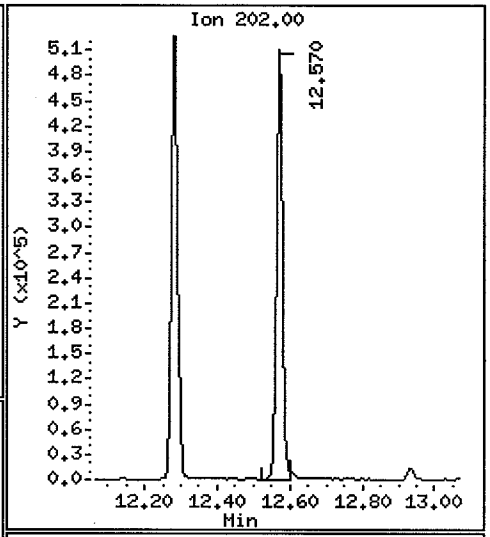
Concentration: 47430 ug/kg

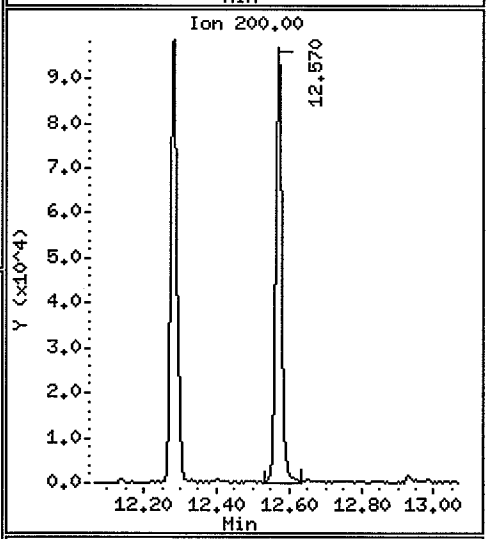


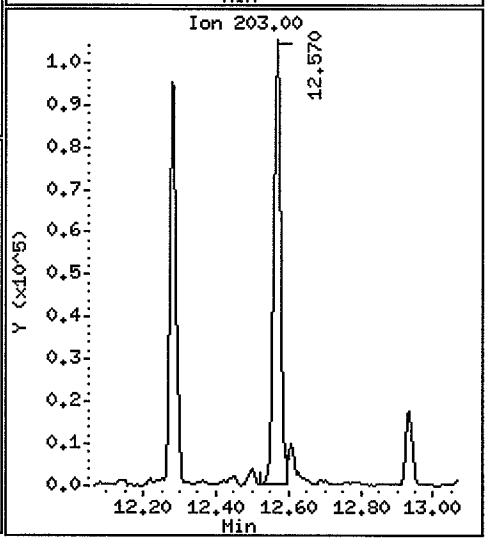












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ33O,20

Volume Injected (uL): 1.0

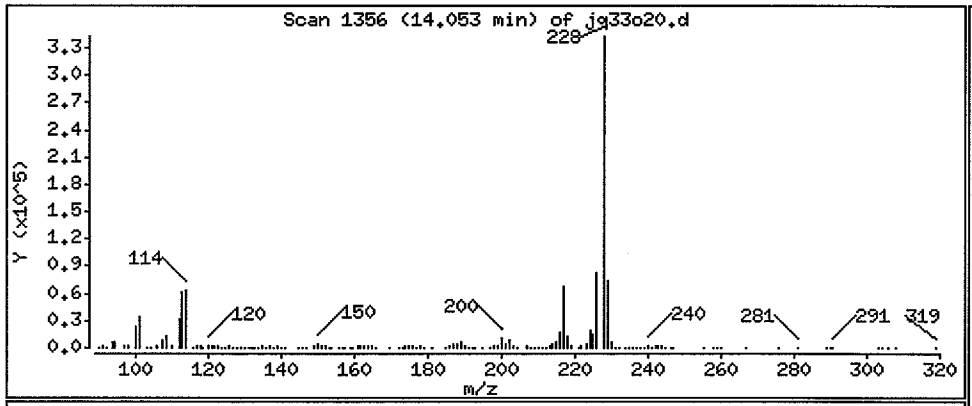
Operator: VTS

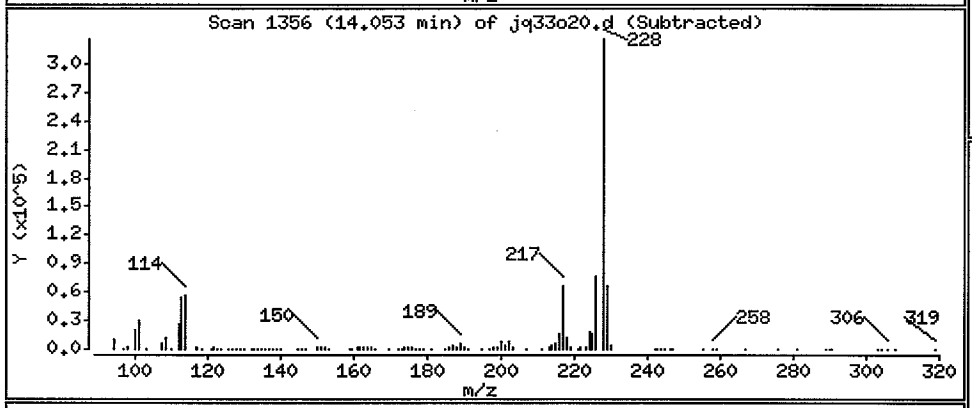
Column phase: ZB-5

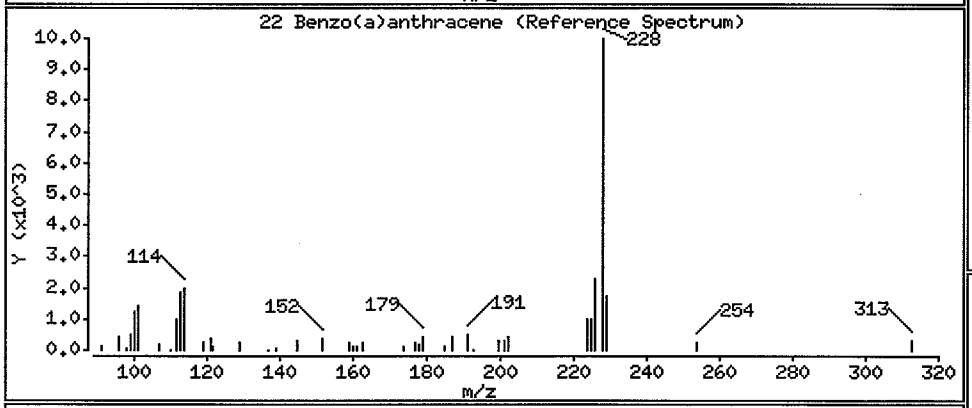
Column diameter: 0.25

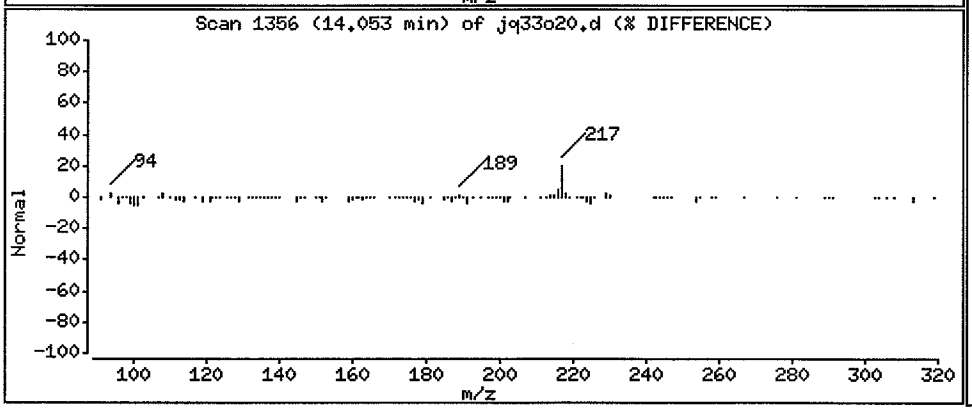
22 Benzo(a)anthracene

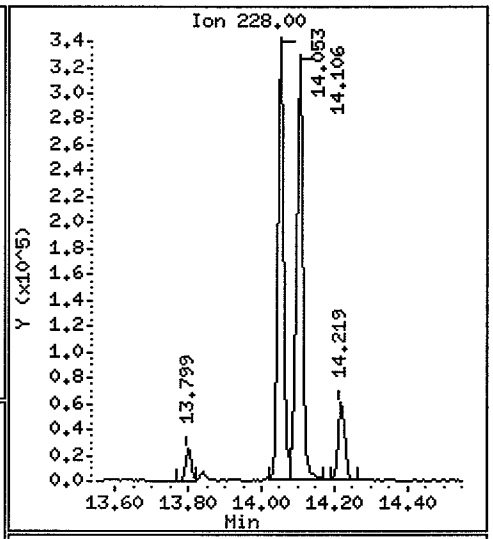
Concentration: 33660 ug/kg

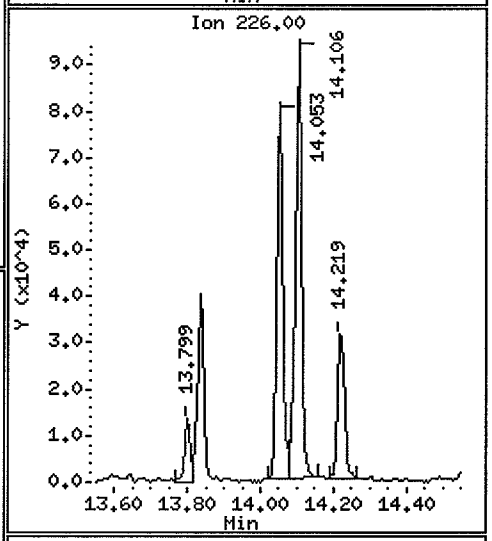


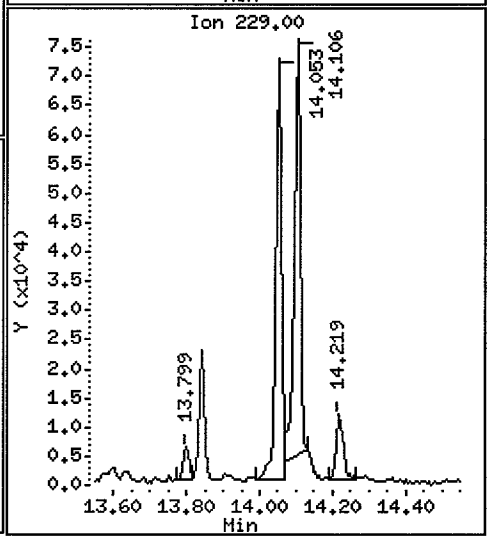












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ330,20

Volume Injected (uL): 1.0

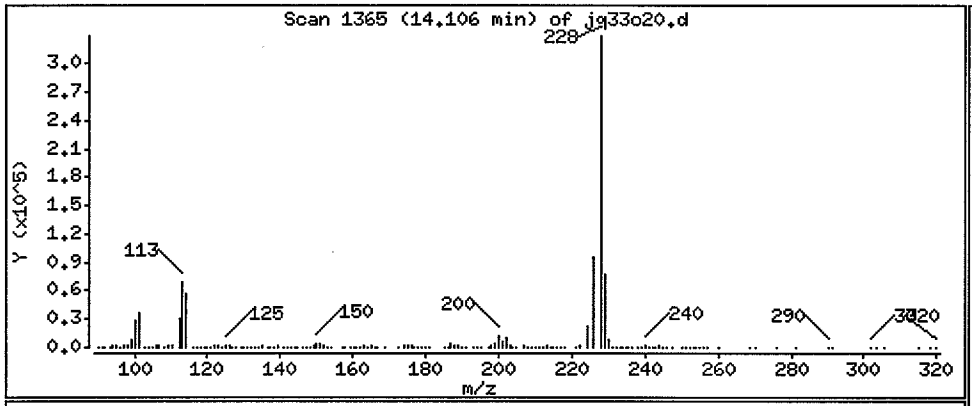
Operator: VTS

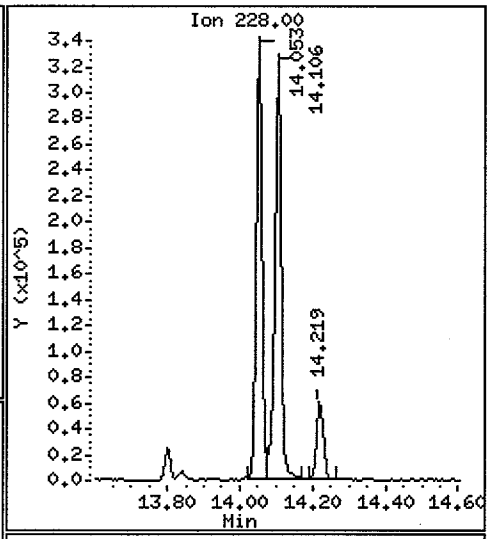
Column phase: ZB-5

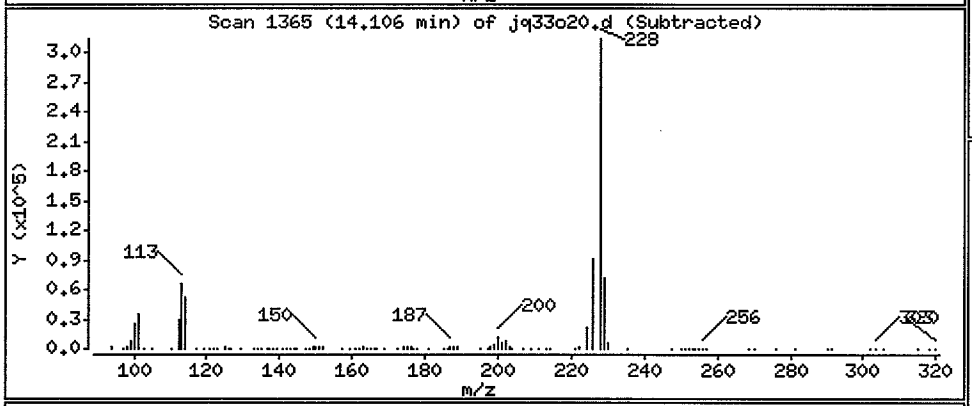
Column diameter: 0.25

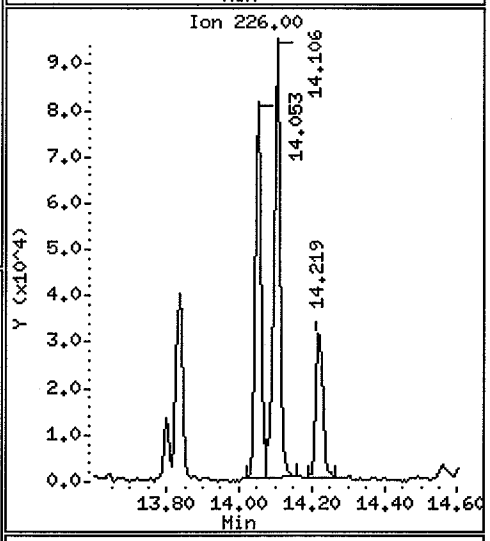
24 Chrysene

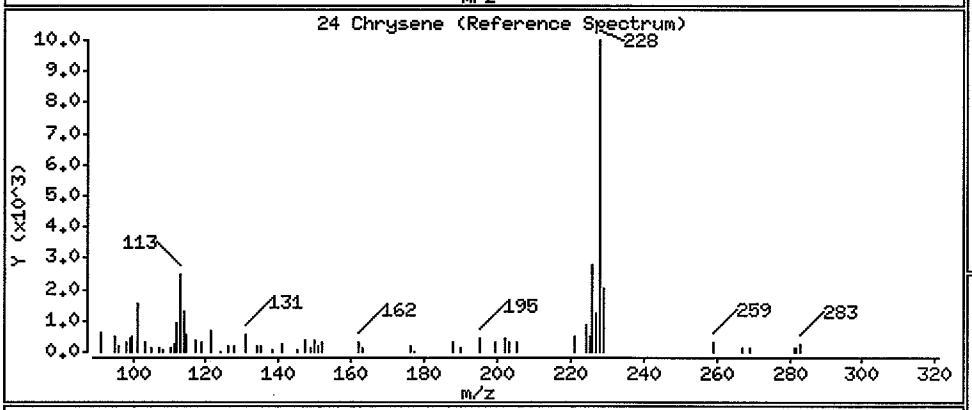
Concentration: 39240 ug/kg

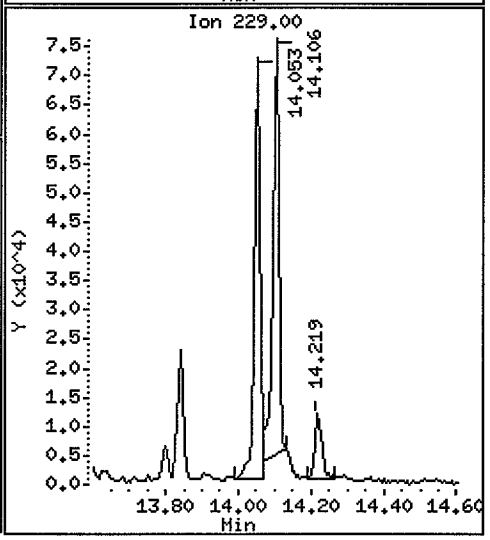


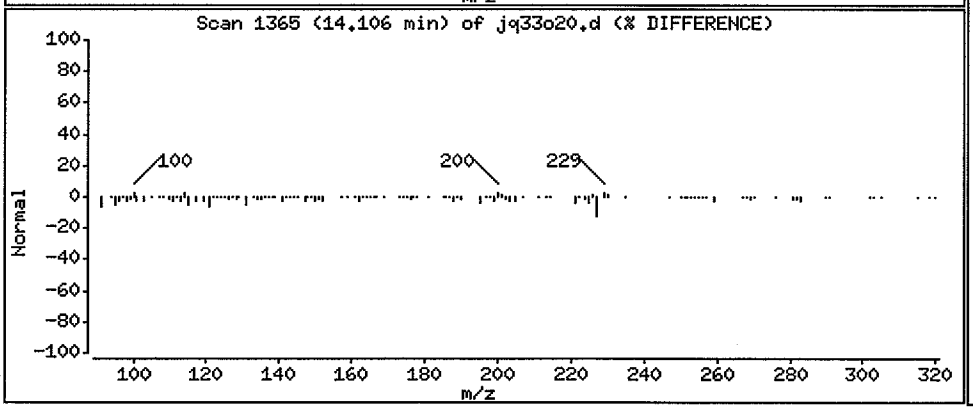












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ33O,20

Volume Injected (uL): 1.0

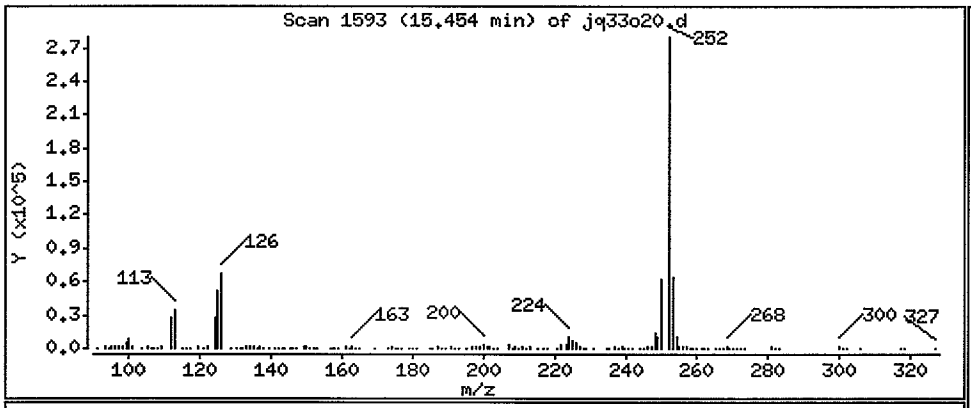
Operator: VTS

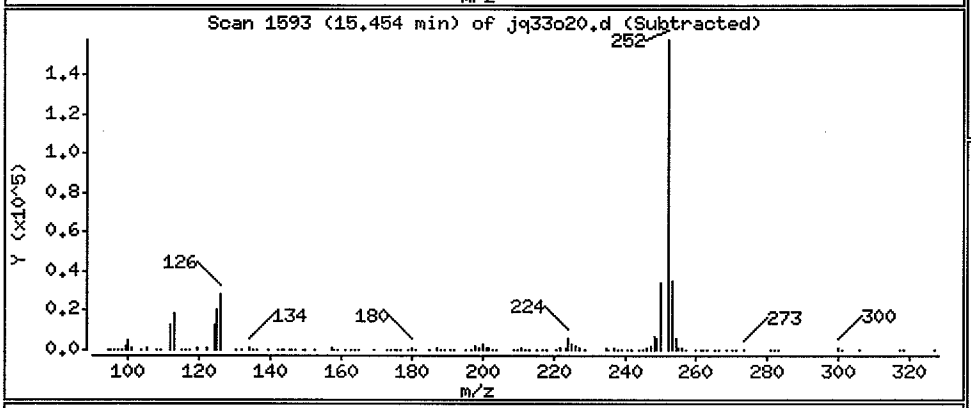
Column phase: ZB-5

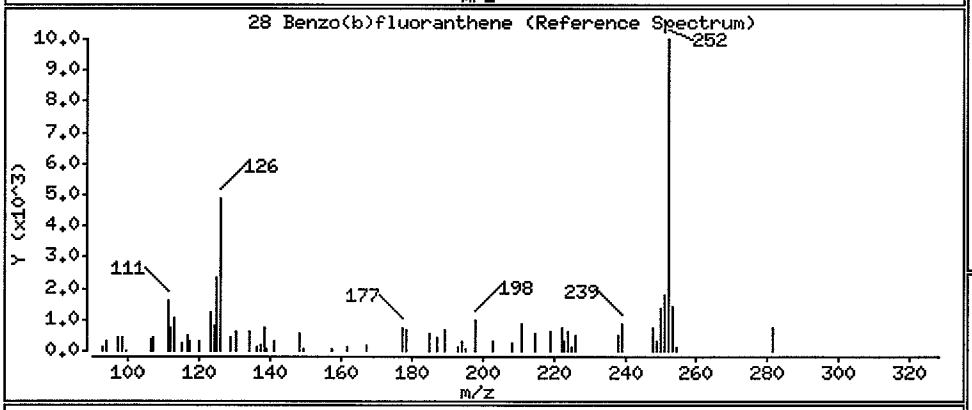
Column diameter: 0.25

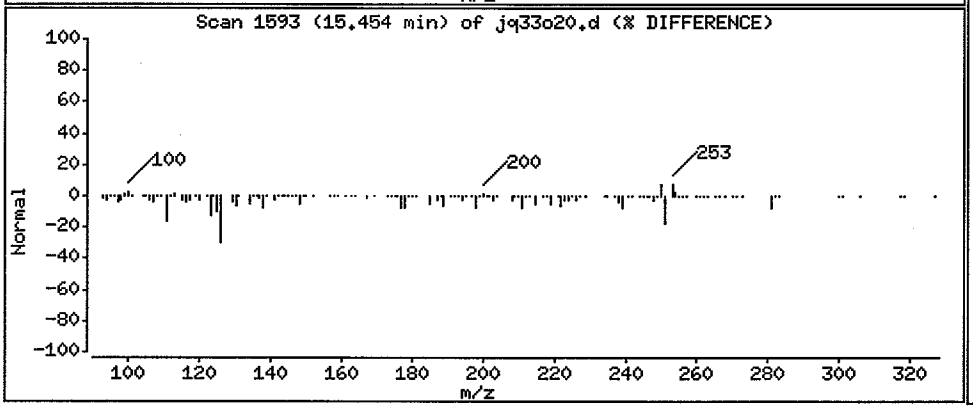
28 Benzo(b)fluoranthene

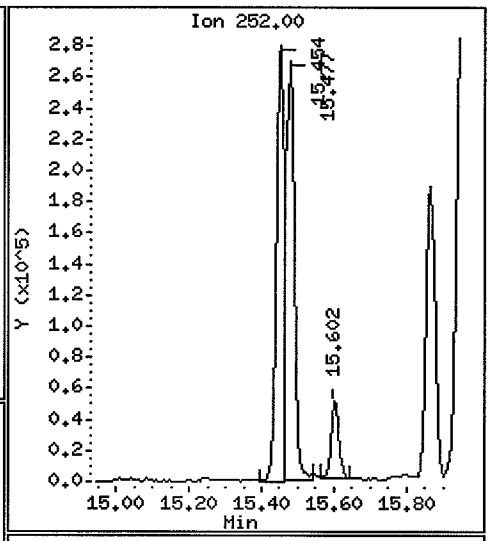
Concentration: 44190 ug/kg

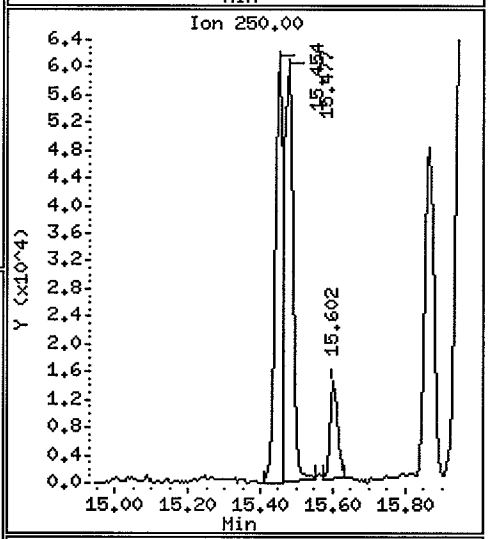


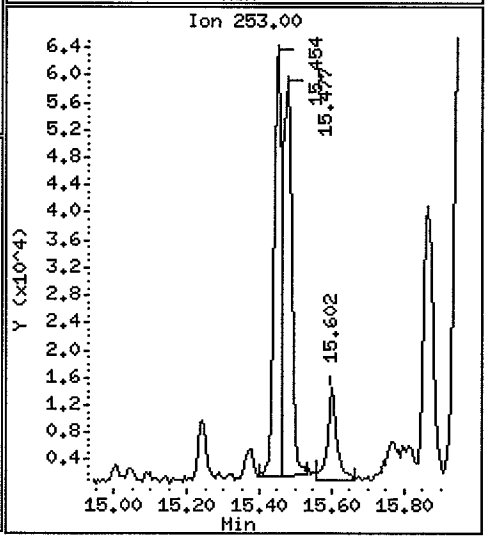












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ33O,20

Volume Injected (uL): 1.0

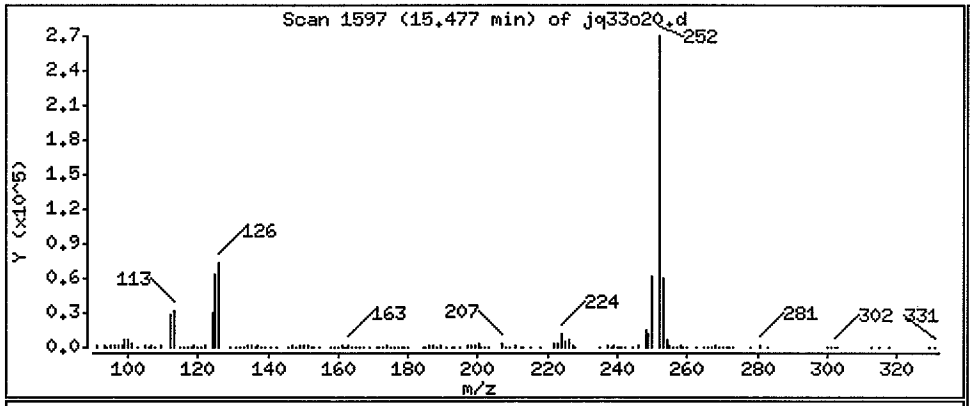
Operator: VTS

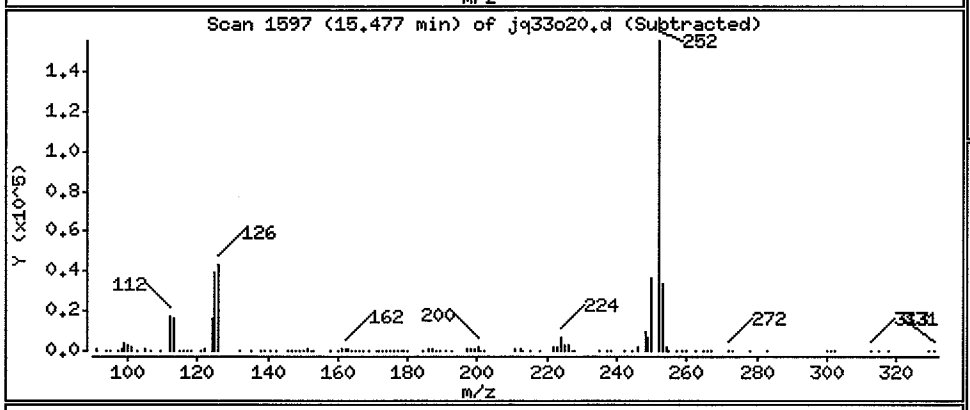
Column phase: ZB-5

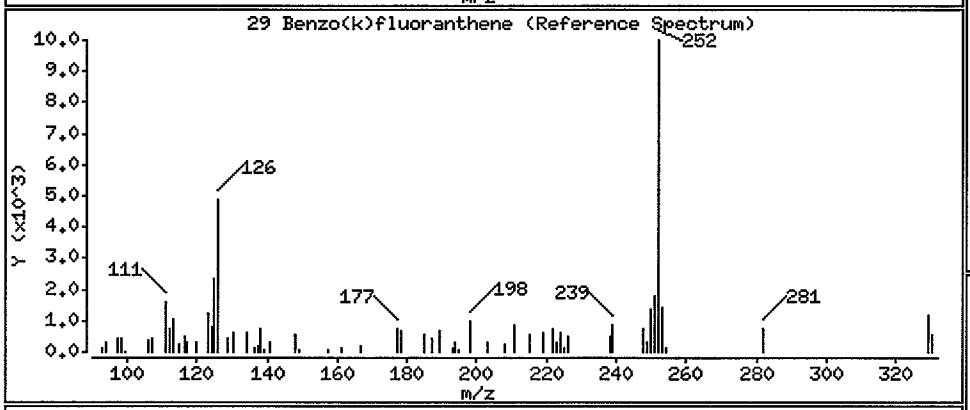
Column diameter: 0.25

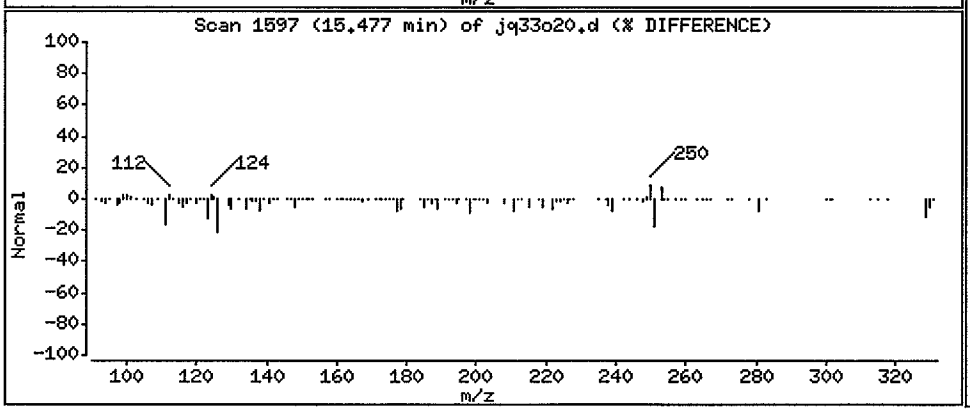
29 Benzo(k)fluoranthene

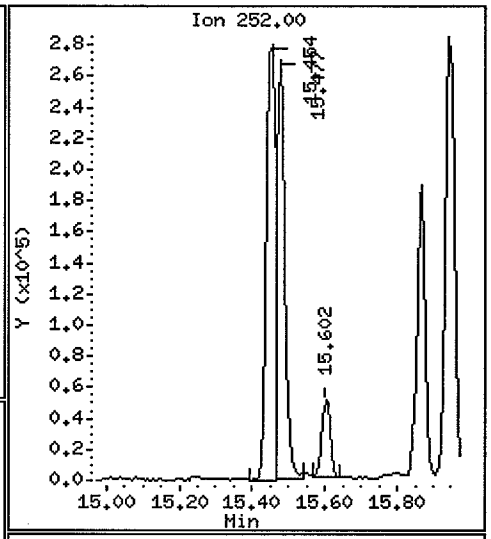
Concentration: 38250 ug/kg

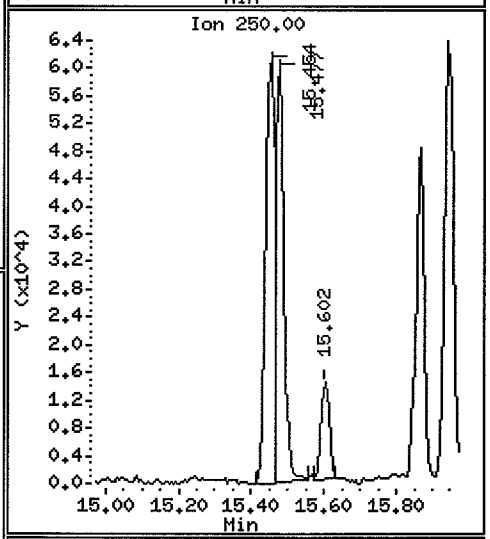


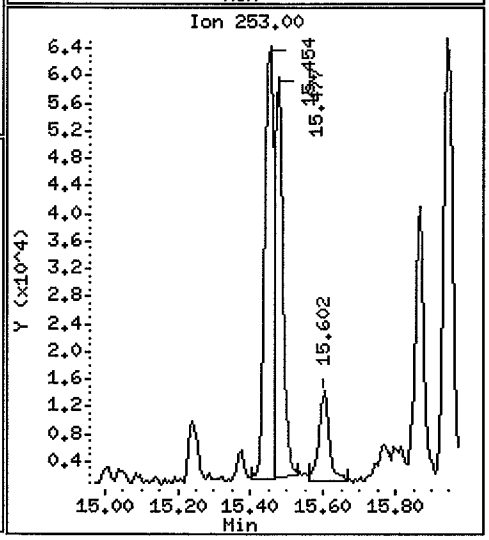












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ33O,20

Volume Injected (uL): 1.0

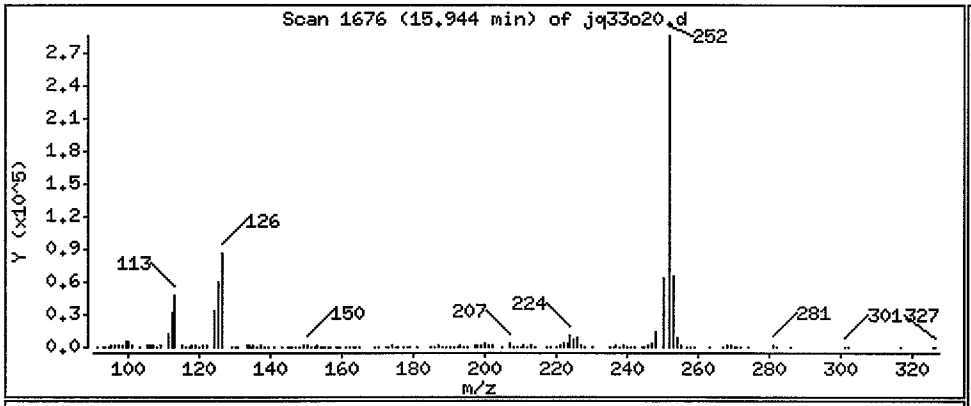
Operator: VTS

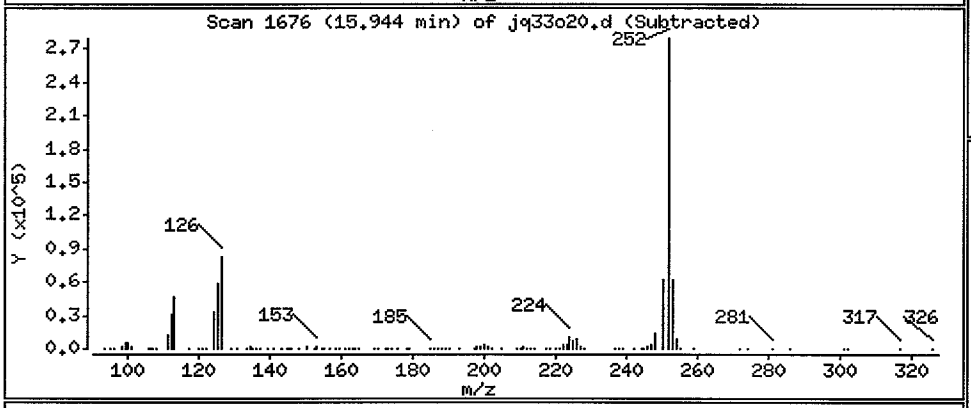
Column phase: ZB-5

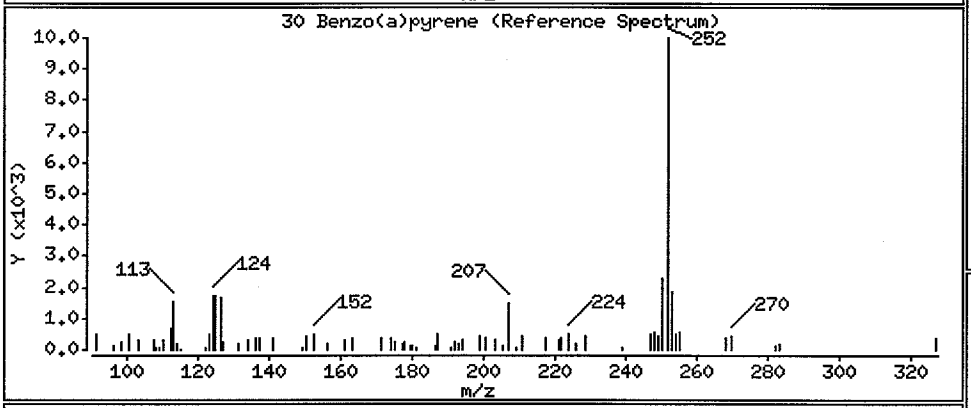
Column diameter: 0.25

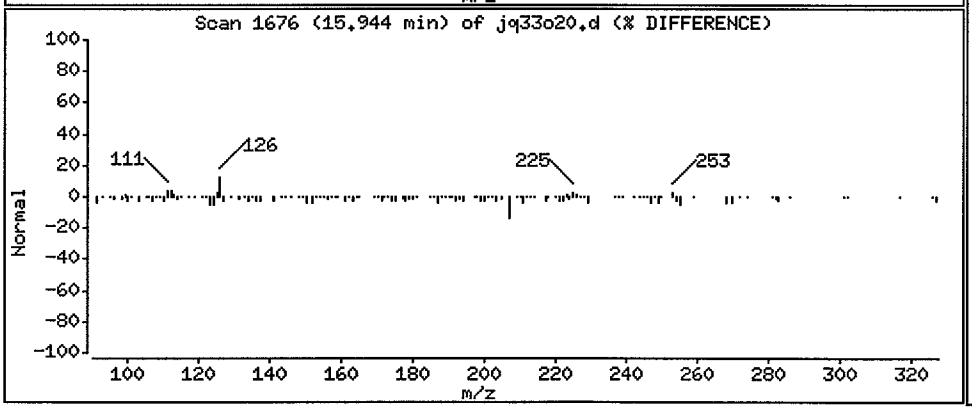
30 Benzo(a)pyrene

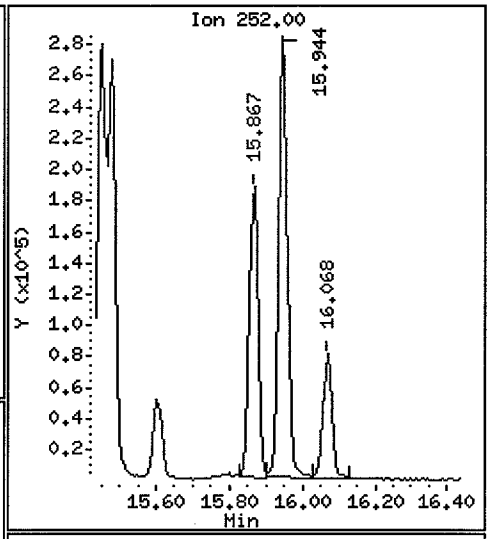
Concentration: 45330 ug/kg

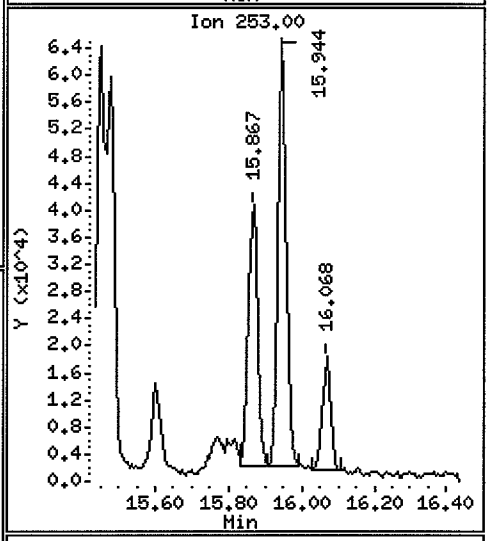


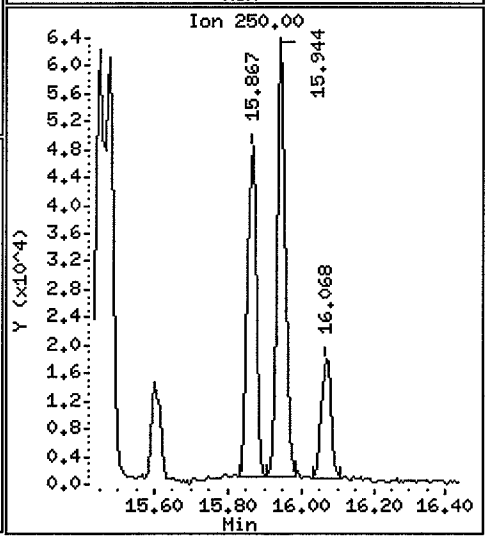












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ33O,20

Volume Injected (uL): 1.0

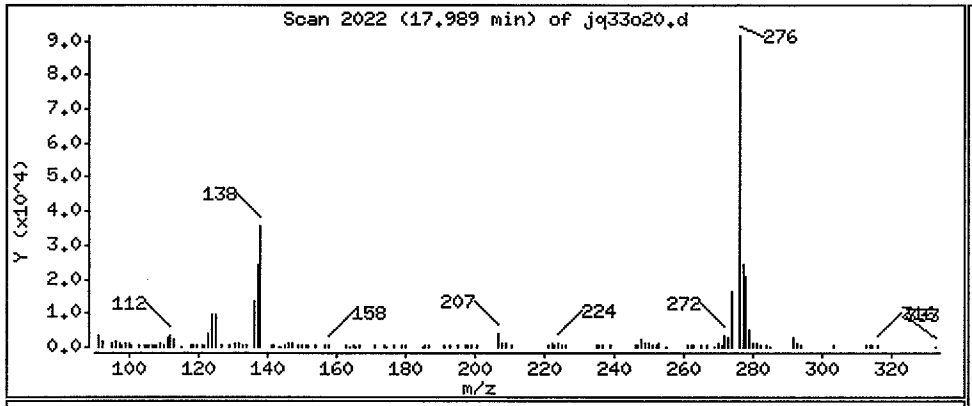
Operator: VTS

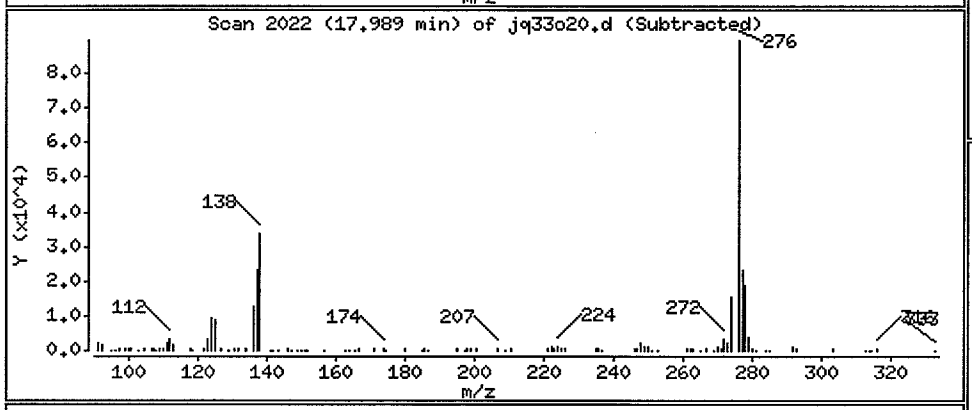
Column phase: ZB-5

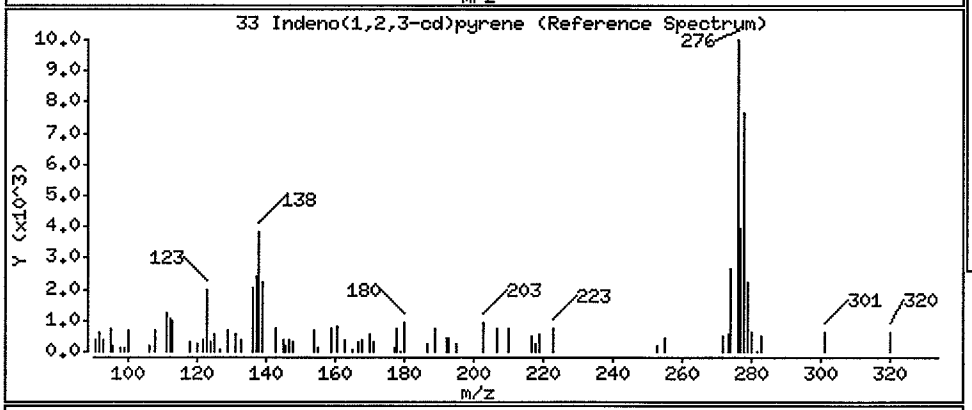
Column diameter: 0.25

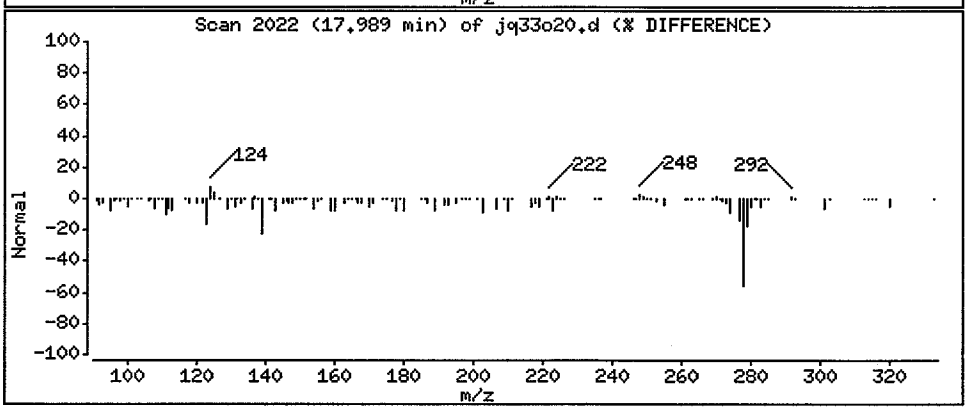
33 Indeno(1,2,3-cd)pyrene

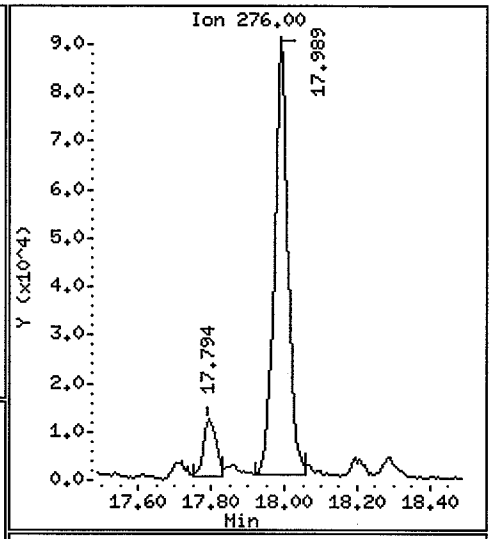
Concentration: 19190 ug/kg

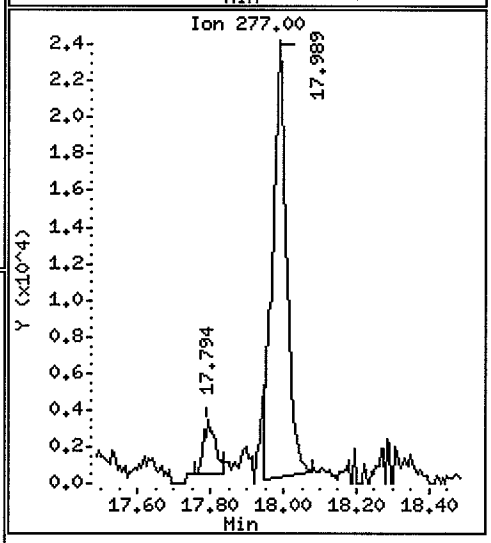












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ330,20

Volume Injected (uL): 1.0

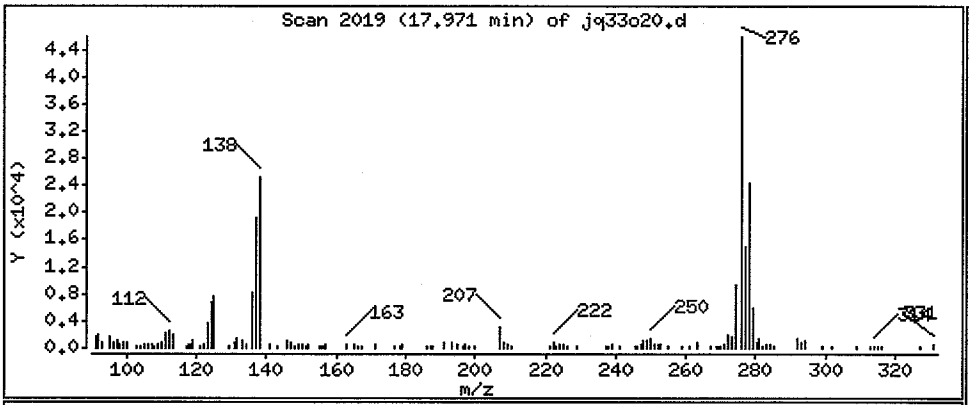
Operator: VTS

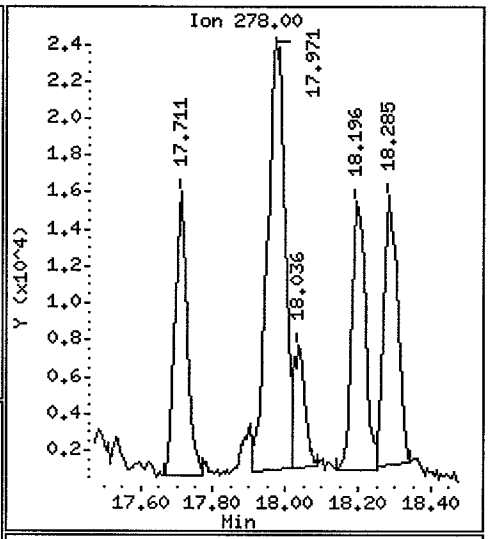
Column phase: ZB-5

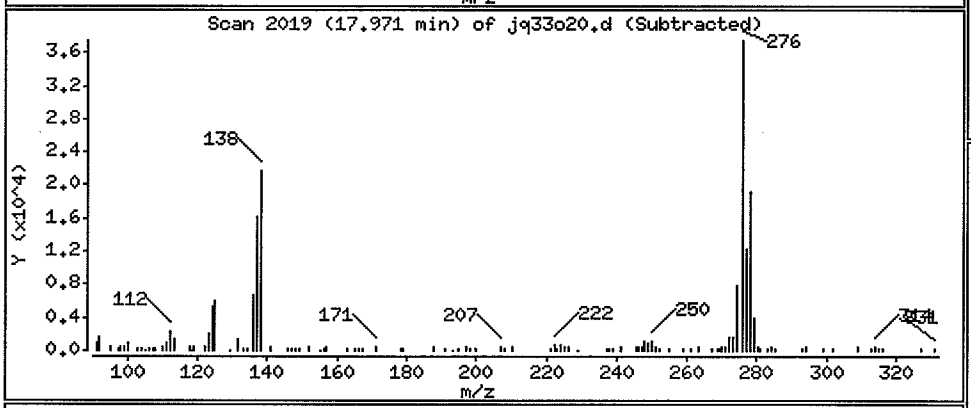
Column diameter: 0.25

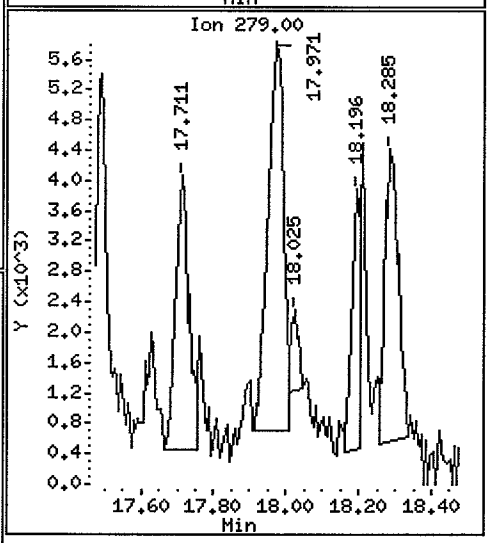
34 Dibenz(a,h)anthracene

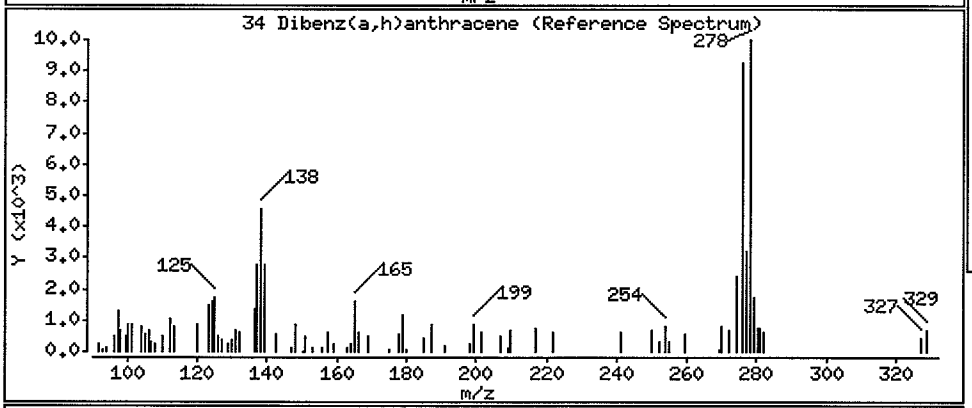
Concentration: 8083 ug/kg

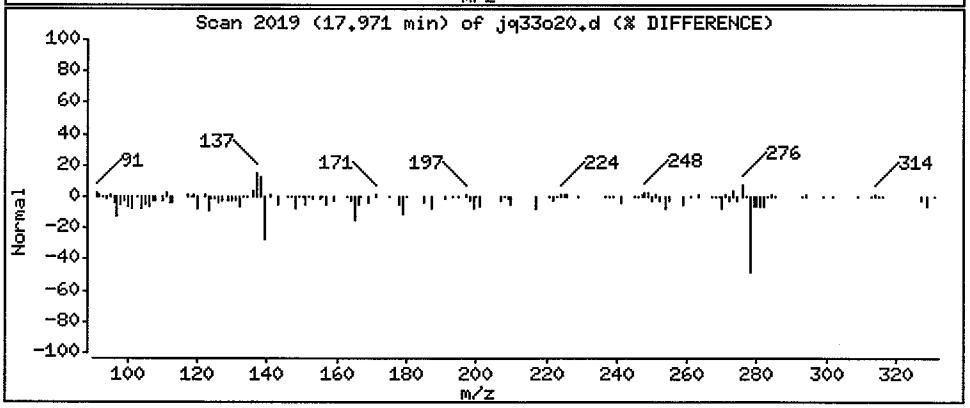












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ330,20

Volume Injected (uL): 1.0

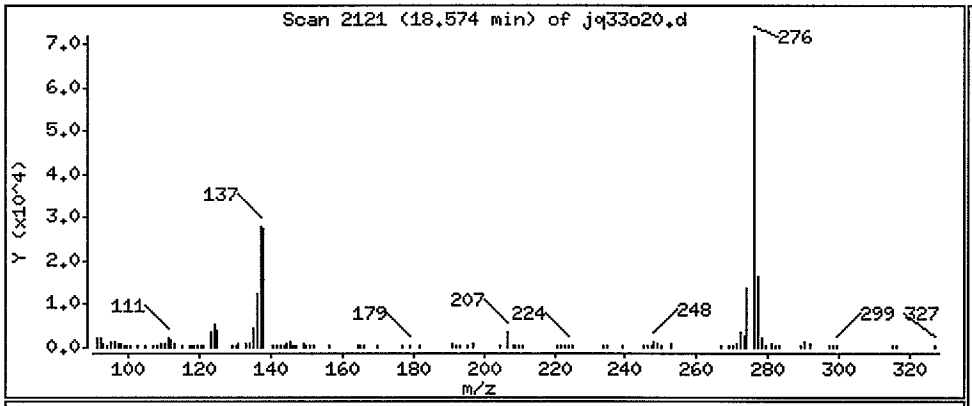
Operator: VTS

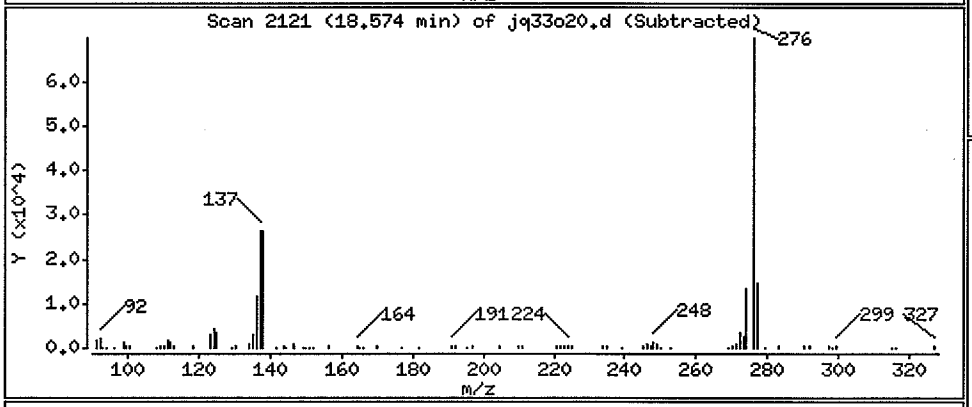
Column phase: ZB-5

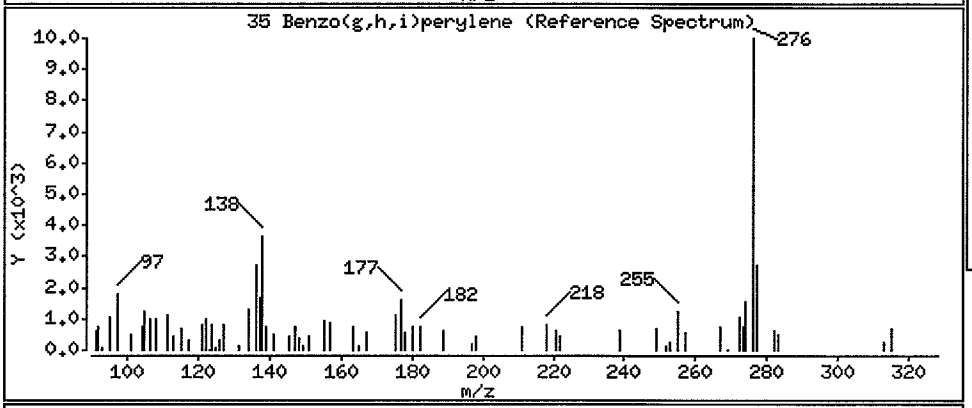
Column diameter: 0.25

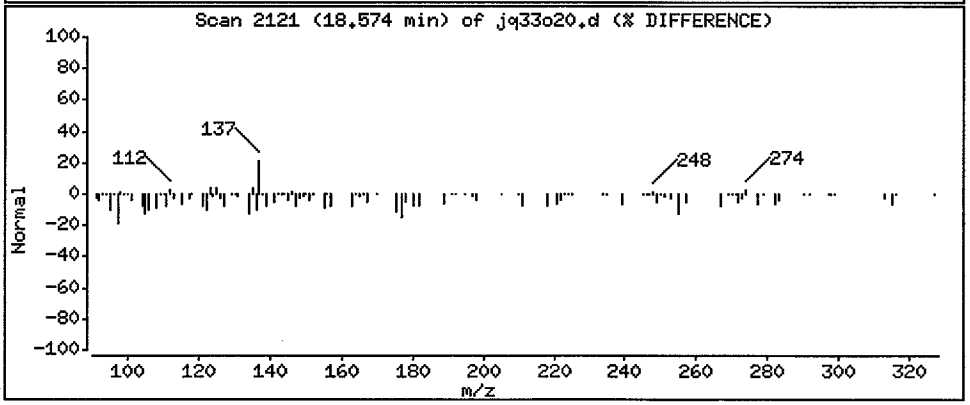
35 Benzo(g,h,i)perylene

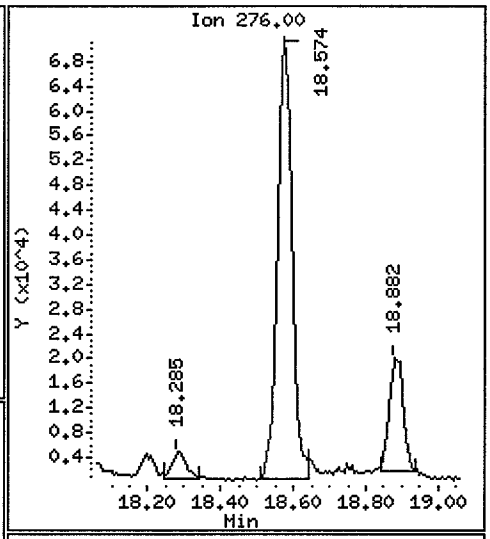
Concentration: 19590 ug/kg

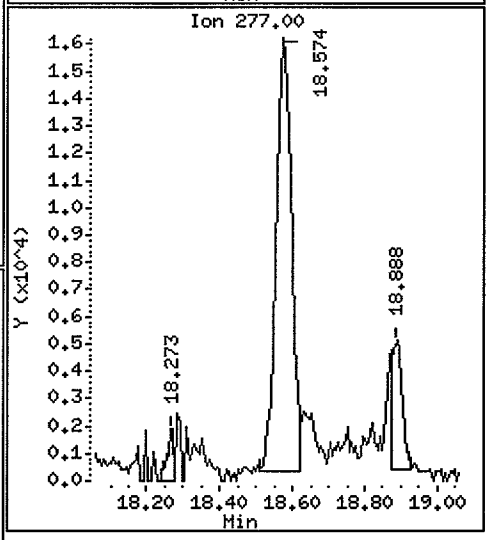












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ33O,20

Volume Injected (uL): 1.0

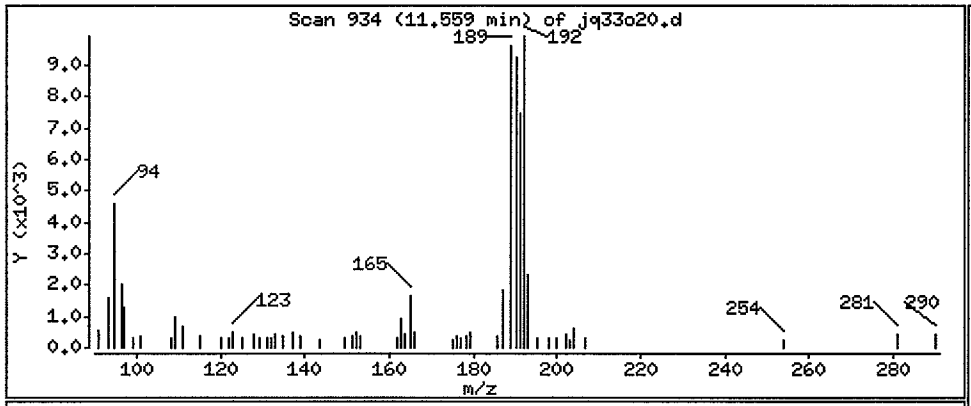
Operator: VTS

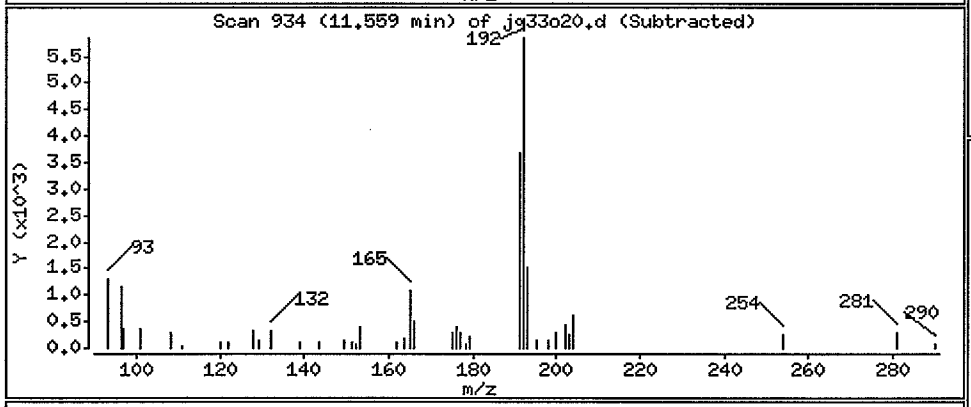
Column phase: ZB-5

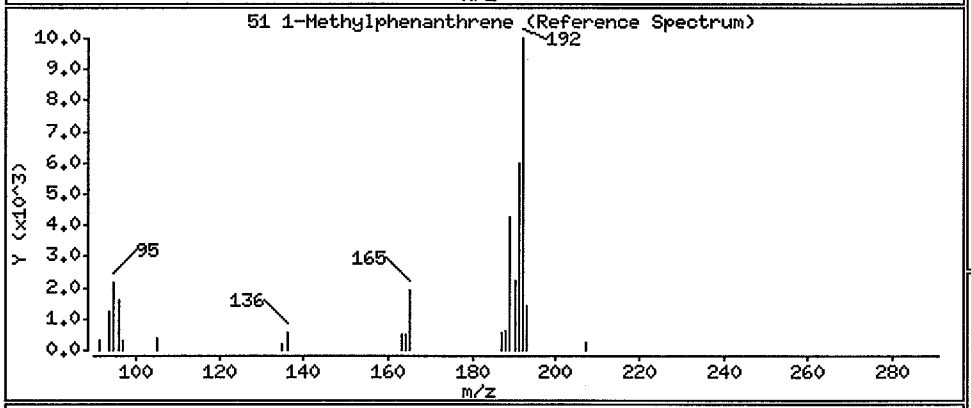
Column diameter: 0.25

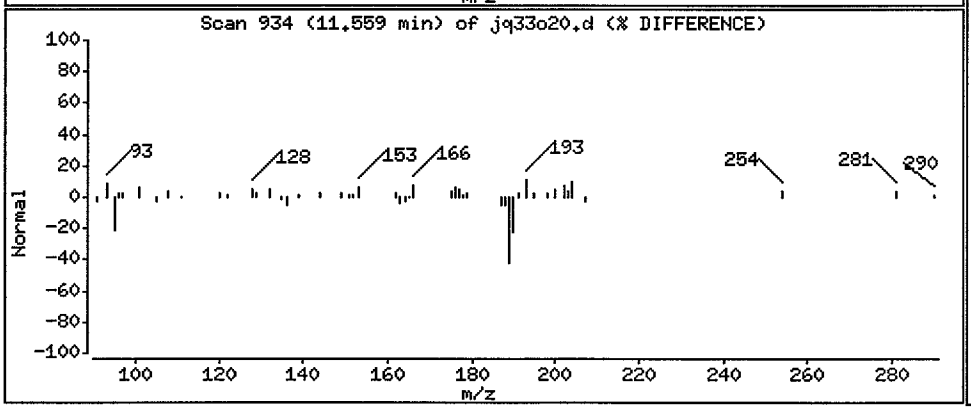
51 1-Methylphenanthrene

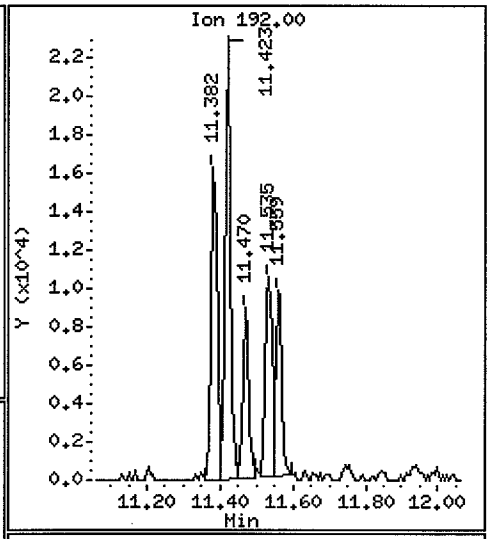
Concentration: 1542 ug/kg

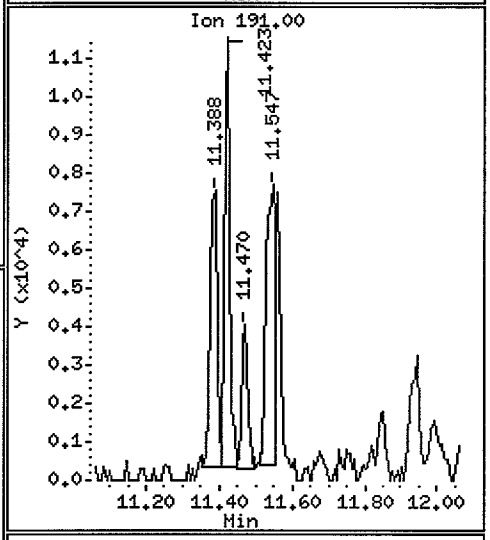


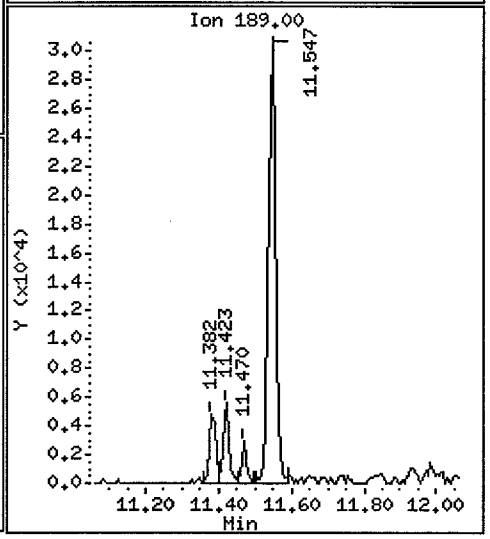












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ330,20

Volume Injected (uL): 1.0

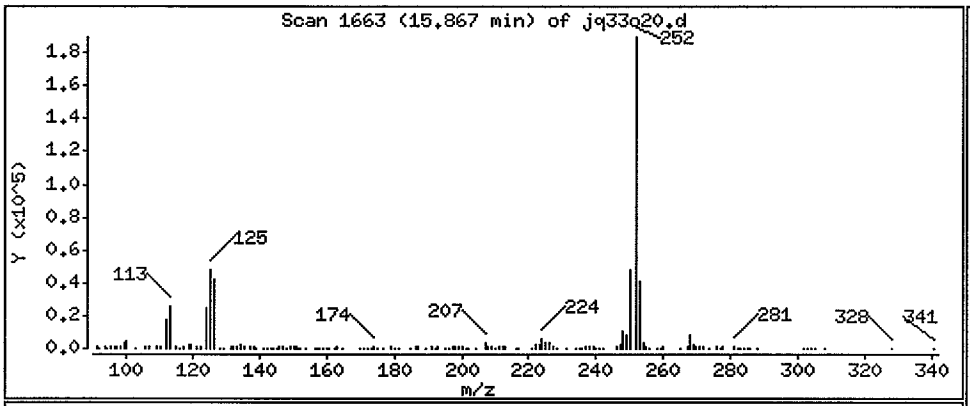
Operator: VTS

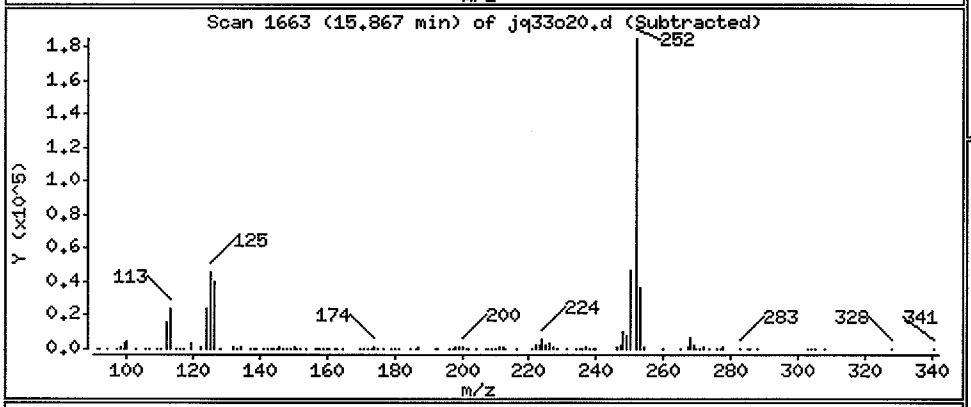
Column phase: ZB-5

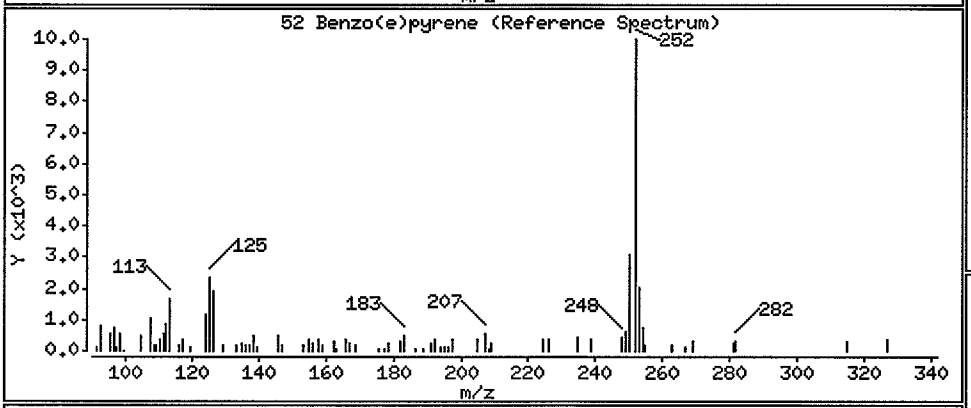
Column diameter: 0.25

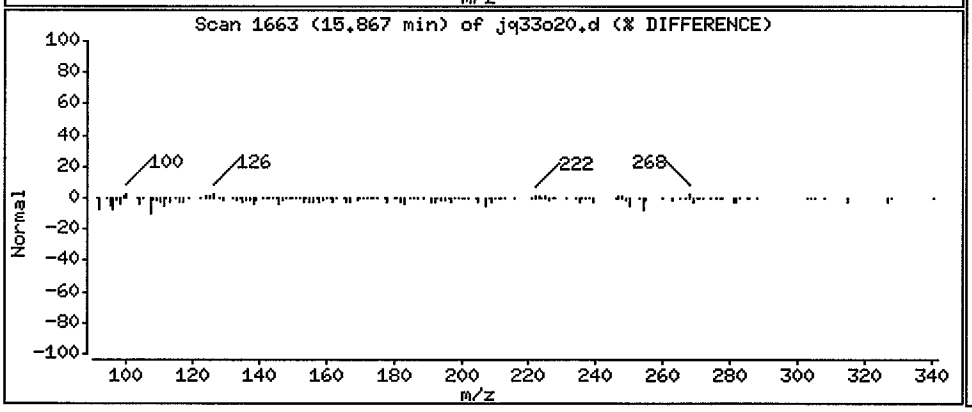
52 Benzo(e)pyrene

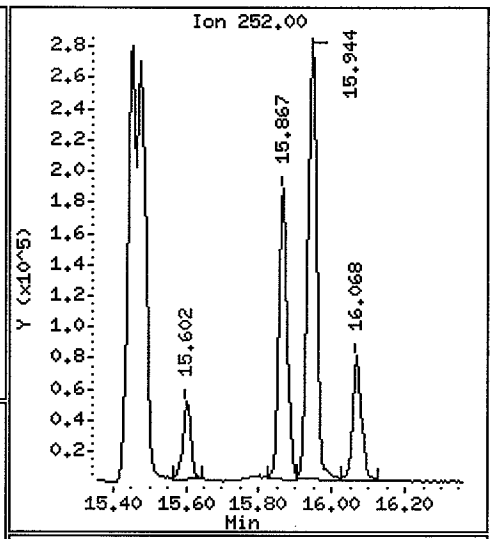
Concentration: 26430 ug/kg

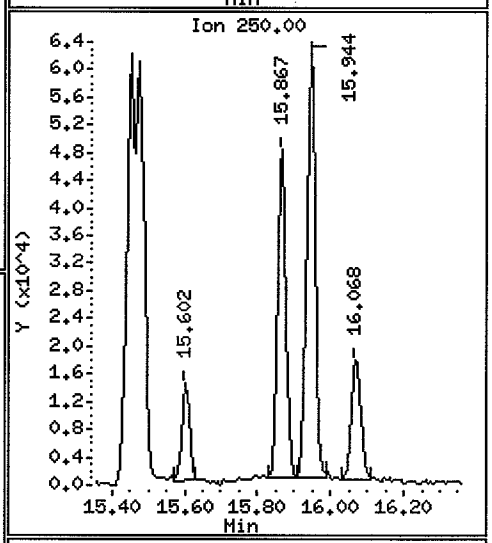


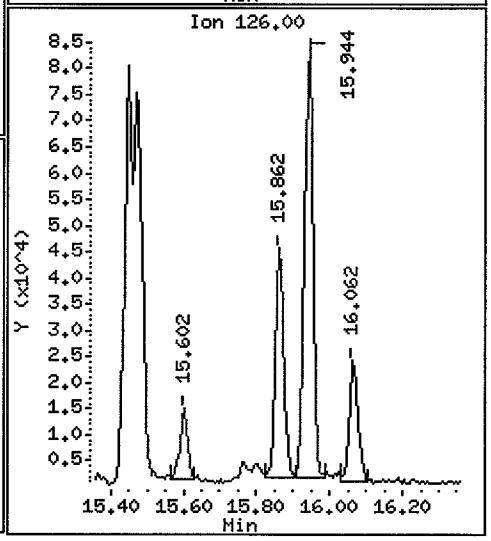












Data File: /chem3/nt1.i/20060804.b/jq33o20.d

Date : 04-AUG-2006 21:09

Client ID: T4-S3-01-F

Instrument: nt1.i

Sample Info: JQ33O,20

Volume Injected (uL): 1.0

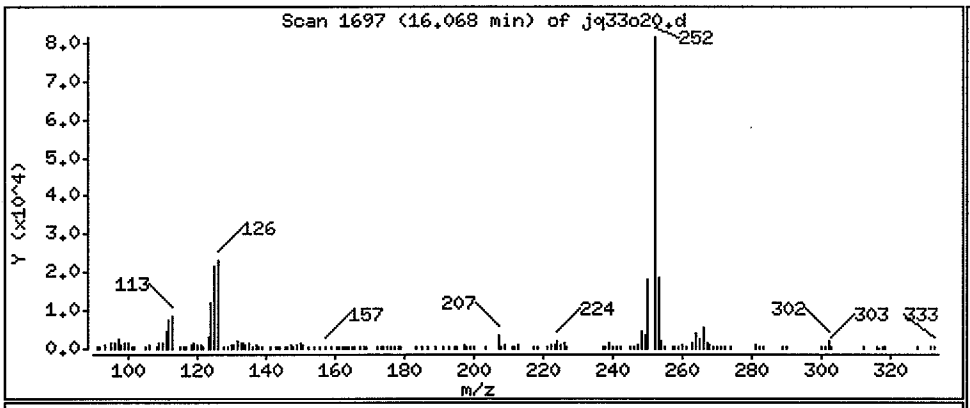
Operator: VTS

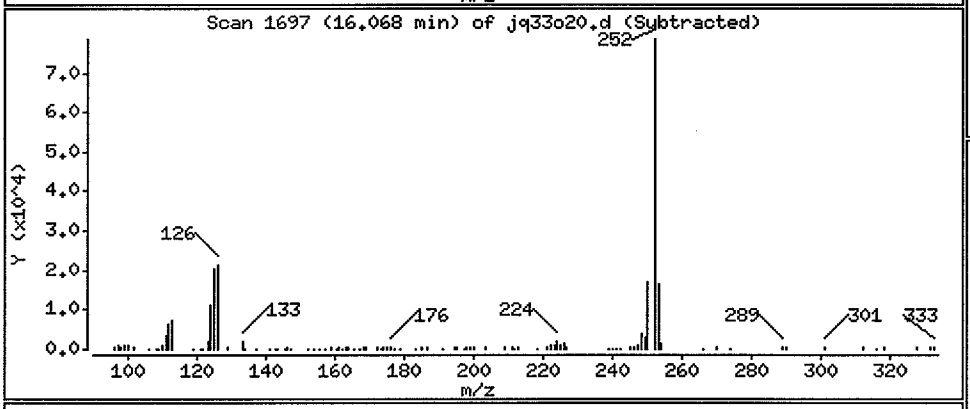
Column phase: ZB-5

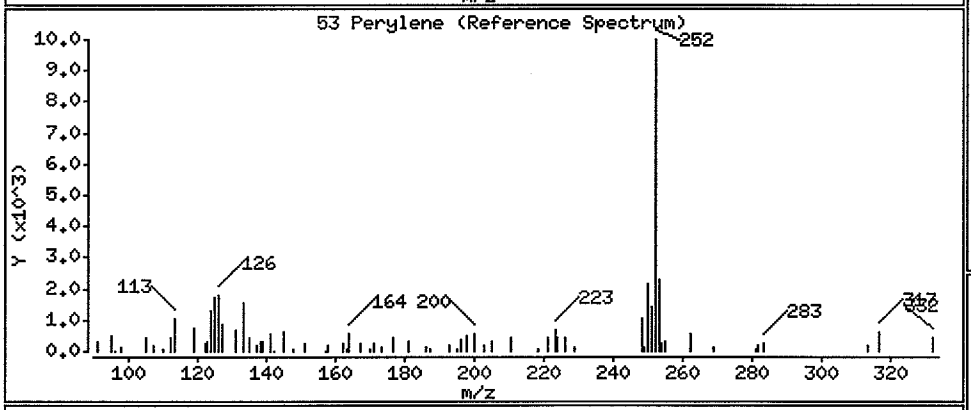
Column diameter: 0.25

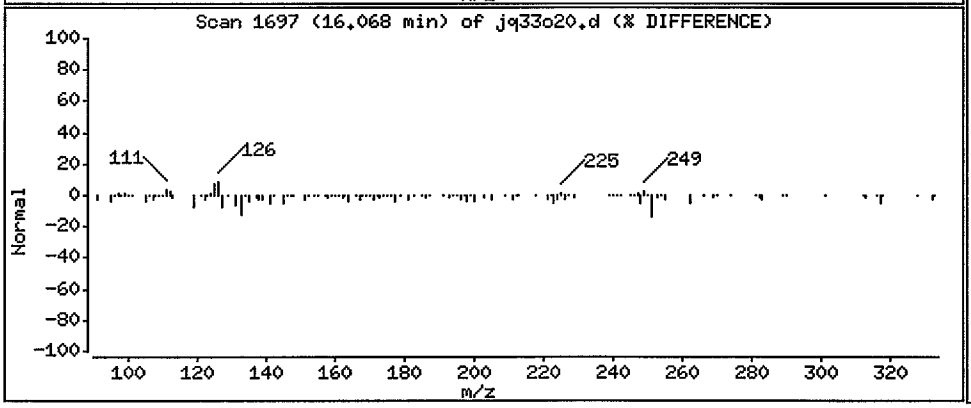
53 Perylene

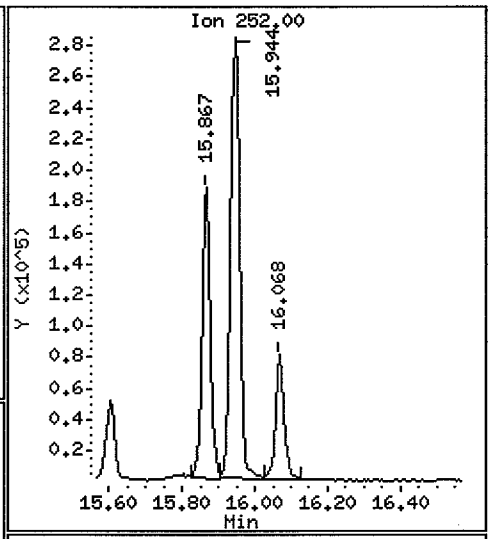
Concentration: 12490 ug/kg

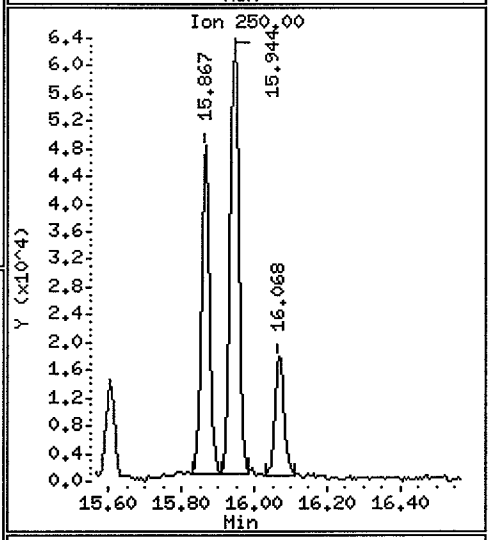


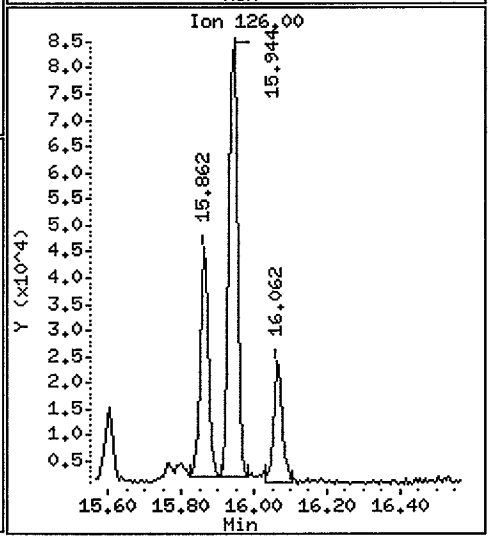






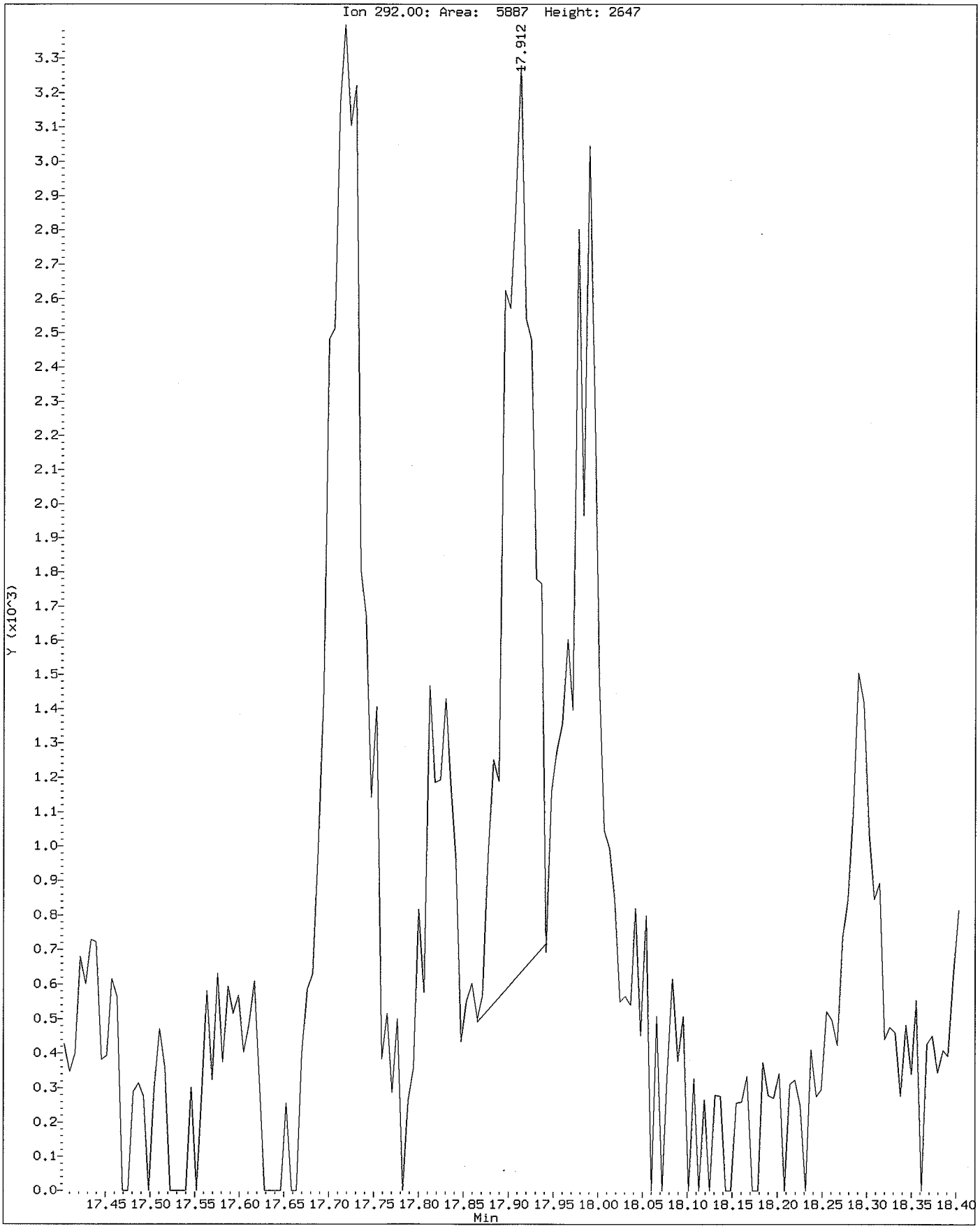






Data File: /chem3/nt1.i/20060804.b/jq33o20.d
Injection Date: 04-AUG-2006 21:09
Instrument: nt1.i
Client Sample ID: T4-S3-01-F

Compound: Dibenz(a,h)anthrancene-d14
CAS Number:



ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-01-G
SAMPLE

Lab Sample ID: JQ33P
LIMS ID: 06-12938
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/04/06 21:33
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 1.12 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 44.6%
pH: 7.0

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	**450**	**620**	
91-57-6	**2-Methylnaphthalene**	**450**	**360**	**J**
90-12-0	1-Methylnaphthalene	450	< 450	U
208-96-8	Acenaphthylene	450	< 450	U
83-32-9	**Acenaphthene**	**450**	**4,200**	
86-73-7	**Fluorene**	**450**	**2,000**	
85-01-8	**Phenanthrene**	**450**	**15,000**	**B**
120-12-7	**Anthracene**	**450**	**3,500**	
206-44-0	**Fluoranthene**	**450**	**31,000**	
129-00-0	**Pyrene**	**450**	**27,000**	
56-55-3	**Benzo(a)anthracene**	**450**	**19,000**	
218-01-9	**Chrysene**	**450**	**22,000**	
205-99-2	**Benzo(b)fluoranthene**	**450**	**26,000**	
207-08-9	**Benzo(k)fluoranthene**	**450**	**22,000**	
50-32-8	**Benzo(a)pyrene**	**450**	**26,000**	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**450**	**11,000**	
53-70-3	**Dibenz(a,h)anthracene**	**450**	**4,300**	
191-24-2	**Benzo(g,h,i)perylene**	**450**	**12,000**	
198-55-0	**Perylene**	**450**	**7,100**	
92-52-4	Biphenyl	450	< 450	U
581-42-0	2,6-Dimethylnaphthalene	450	< 450	U
832-69-9	**1-Methylphenanthrene**	**450**	**890**	
192-97-2	**Benzo(e)pyrene**	**450**	**15,000**	
2245-38-7	2,3,5-Trimethylnaphthalene	450	< 450	U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	64.7%
d14-Dibenzo(a,h)anthracen	42.3%

YZ 8/7/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33p10.d
Lab Smp Id: JQ33P Client Smp ID: T4-S3-01-G
Inj Date : 04-AUG-2006 21:33
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33P,10
Misc Info : 06-12938
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 28
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	2.02000	Weight of sample extracted (g)
M	44.60000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.886	6.883	(1.000)	273354	2.00000	
	2 Naphthalene	128	6.909	6.907	(1.003)	18436	0.13521	604.1
$	3 2-Methylnaphthalene-d10	152	7.642	7.640	(1.110)	13673	0.19420 E	867.7
	4 2-Methylnaphthalene	142	7.684	7.681	(1.116)	6512	0.08065 J	360.3
	5 1-Methylnaphthalene	142	Compound Not Detected.					
	7 Acenaphthylene	152	Compound Not Detected.					
*	8 Acenaphthene-d10	164	8.948	8.946	(1.000)	144693	2.00000	
	9 Acenaphthene	153	8.984	8.987	(1.004)	66198	0.93176	4163
	10 Dibenzofuran	168	9.173	9.170	(1.025)	18237	0.17427	778.6
	11 Fluorene	166	9.598	9.596	(1.073)	37762	0.46352	2071
*	15 Phenanthrene-d10	188	10.757	10.760	(1.000)	235162	2.00000	
	16 Phenanthrene	178	10.786	10.790	(1.003)	414176	3.43131 B	15330
	17 Anthracene	178	10.845	10.843	(1.008)	95239	0.78955	3528
	19 Fluoranthene	202	12.282	12.279	(1.142)	860333	6.98799	31220

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	20 Pyrene	202	12.571	12.569	(0.893)	820099	6.02998	26940
	22 Benzo(a)anthracene	228	14.055	14.052	(0.999)	543265	4.25945	19030
*	23 Chrysene-d12	240	14.072	14.070	(1.000)	211801	2.00000	
	24 Chrysene	228	14.108	14.105	(1.003)	582421	4.95086	22120
	28 Benzo(b)fluoranthene	252	15.449	15.447	(0.964)	660409	5.83256	26060
	29 Benzo(k)fluoranthene	252	15.479	15.476	(0.966)	587569	4.86753	21750
	30 Benzo(a)pyrene	252	15.946	15.938	(0.995)	629873	5.70901	25510
*	31 Perylene-d12	264	16.029	16.026	(1.000)	200625	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.991	17.988	(1.122)	323883	2.55269	11410
$	32 Dibenz(a,h)anthrancene-d14	292	17.902	17.906	(1.117)	9736	0.12681	566.6(M)
	34 Dibenz(a,h)anthracene	278	17.979	17.976	(1.122)	100367	0.96831	4326
	35 Benzo(g,h,i)perylene	276	18.576	18.562	(1.159)	271521	2.57441	11500
	48 Biphenyl	154	Compound Not Detected.					
	49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
	50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
	51 1-Methylphenanthrene	192	11.561	11.564	(0.822)	17230	0.19874	888.0
	52 Benzo(e)pyrene	252	15.869	15.861	(0.990)	413303	3.38423	15120
	53 Perylene	252	16.070	16.068	(1.003)	181766	1.58516	7082

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33p10.d
Lab Smp Id: JQ33P
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12938

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: T4-S3-01-G
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	273354	22.68
8 Acenaphthene-d10	123591	61796	247182	144693	17.07
15 Phenanthrene-d10	200797	100398	401594	235162	17.11
23 Chrysene-d12	171210	85605	342420	211801	23.71
31 Perylene-d12	183426	91713	366852	200625	9.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.89	0.02
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	0.01
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.04
23 Chrysene-d12	14.08	13.58	14.58	14.07	-0.03
31 Perylene-d12	16.03	15.53	16.53	16.03	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

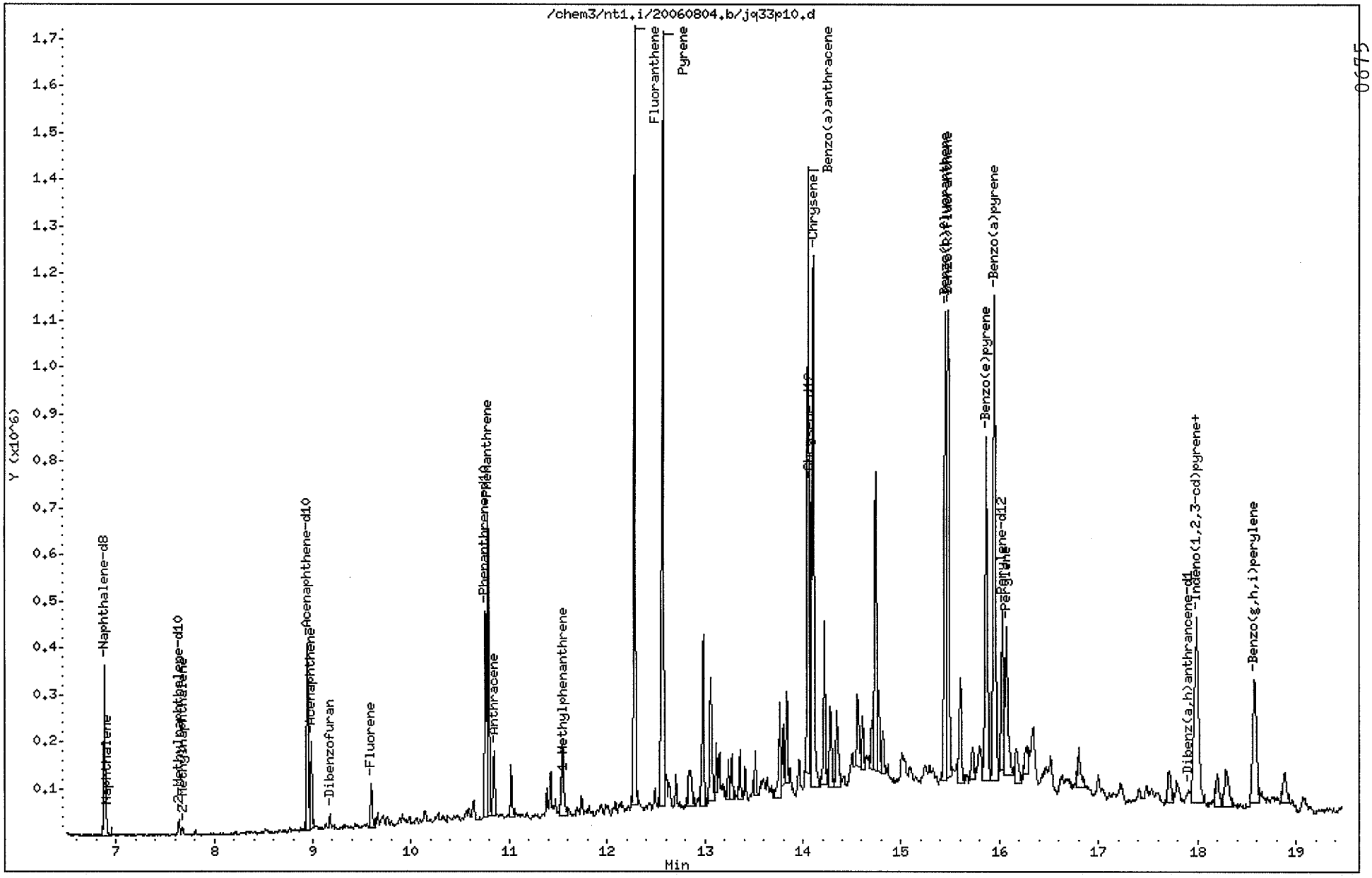
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33P
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12938

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-S3-01-G
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	1340	867.7	64.73	32-97
$ 32 Dibenz(a,h)anthran	1340	566.6	42.27	21-105

Data File: /chem3/nt1.i/20060804.b/jq33p10.d
Date : 04-AUG-2006 21:33
Client ID: T4-S3-01-G
Sample Info: JQ33P,10
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



0675

Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

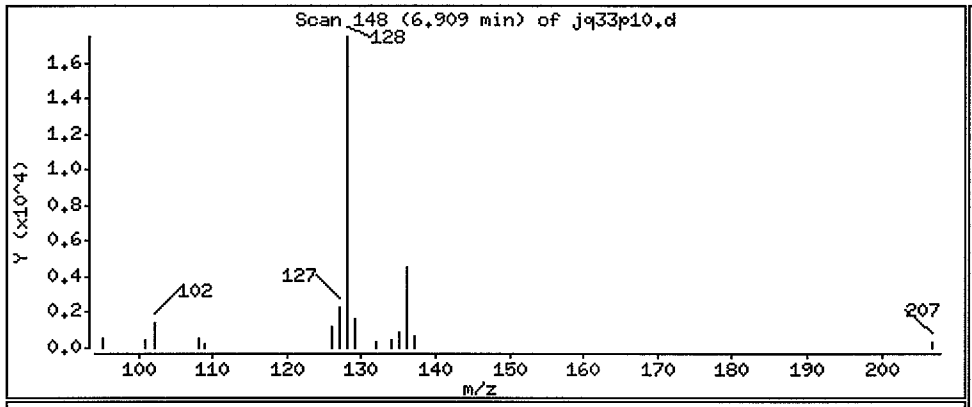
Operator: VTS

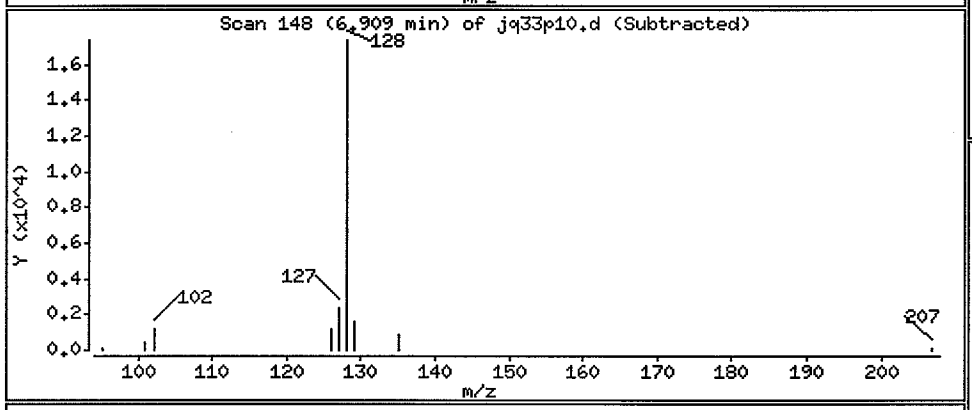
Column phase: ZB-5

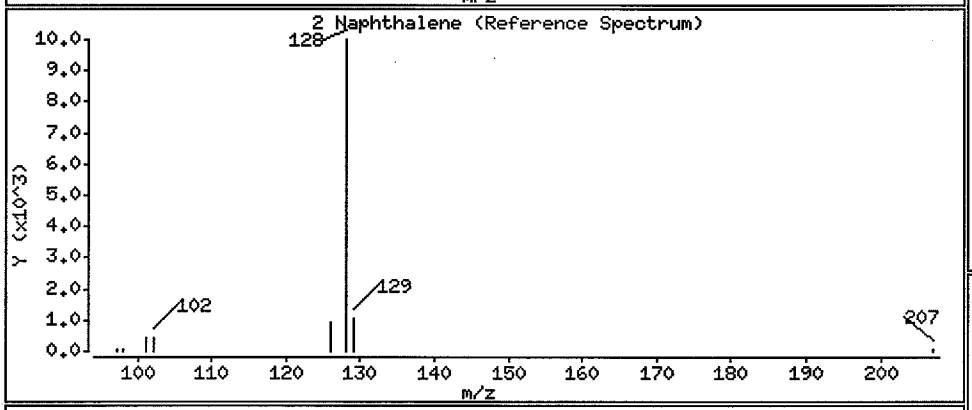
Column diameter: 0.25

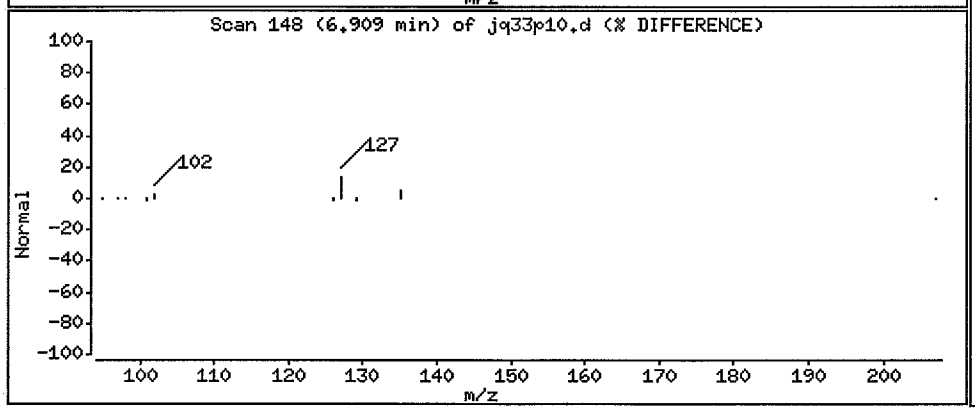
2 Naphthalene

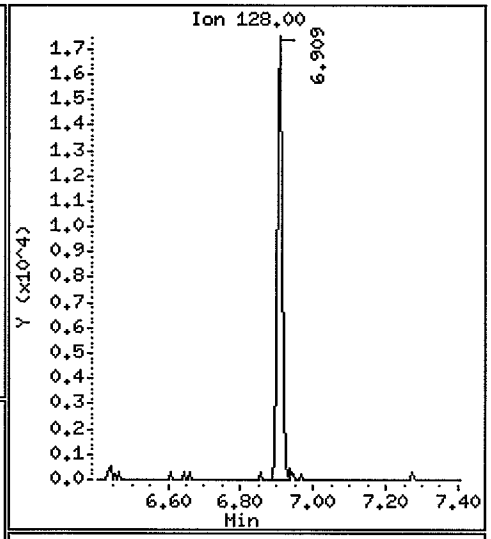
Concentration: 604.1 ug/kg

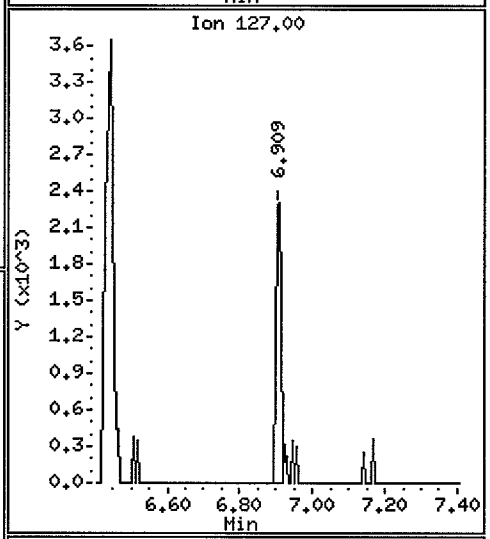


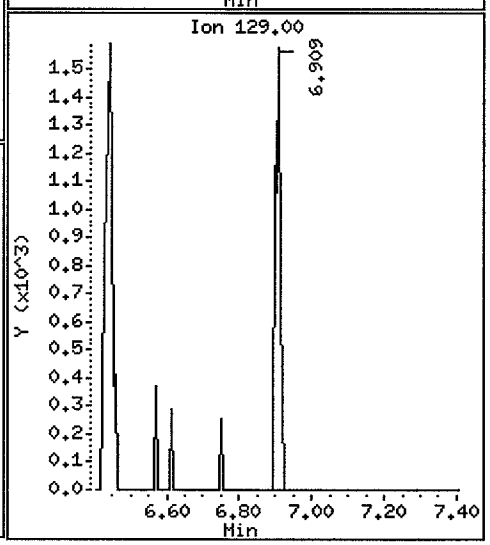












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

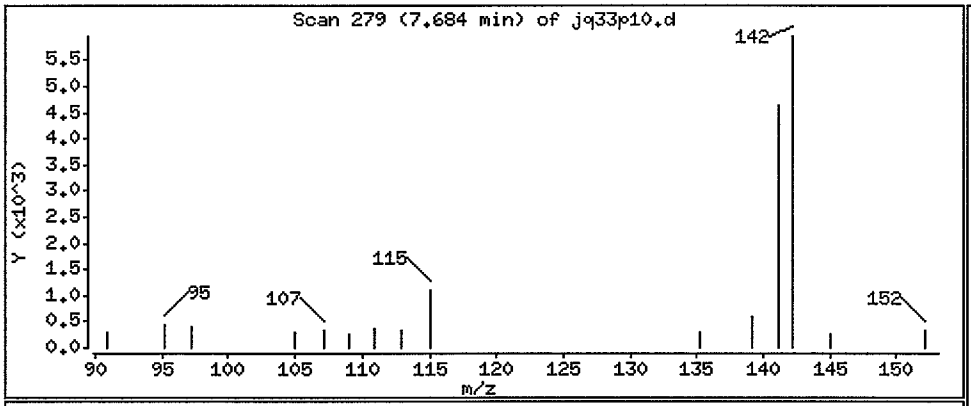
Operator: VTS

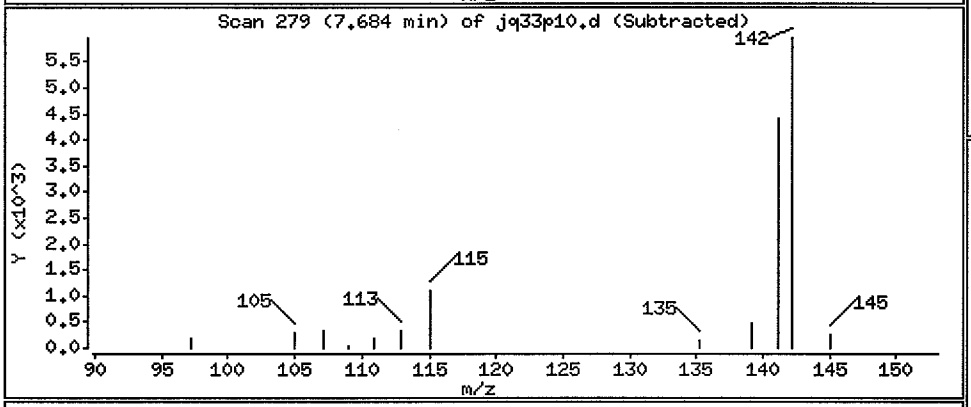
Column phase: ZB-5

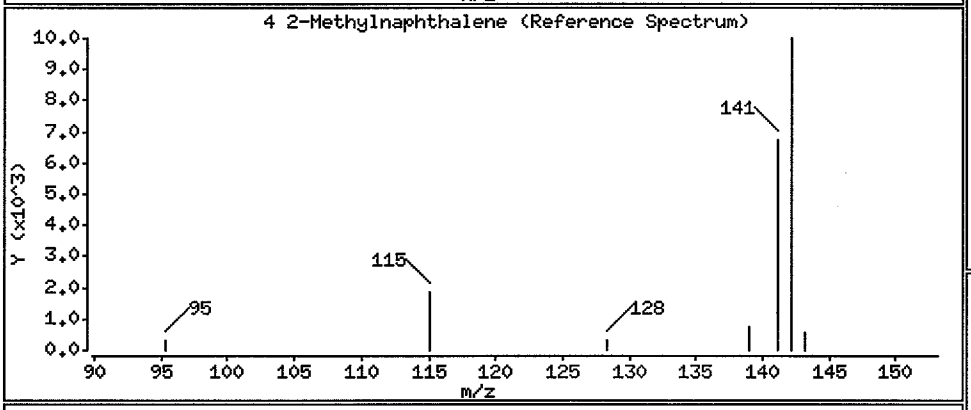
Column diameter: 0.25

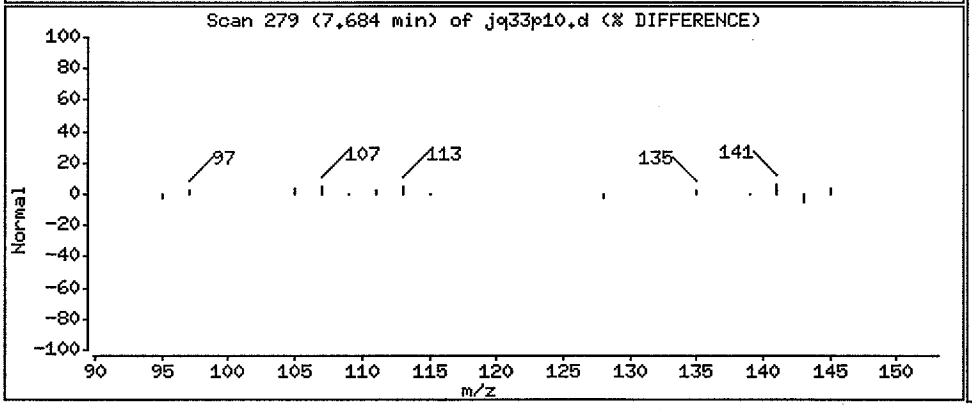
4 2-Methylnaphthalene

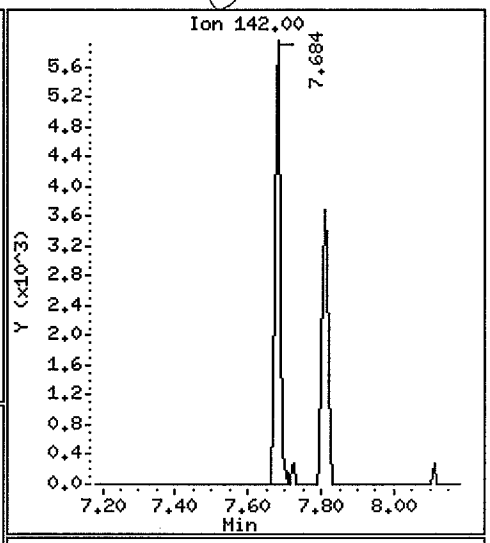
Concentration: 360.3 ug/kg

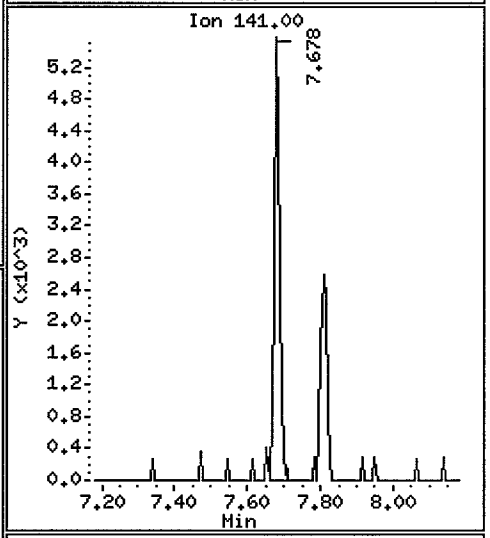


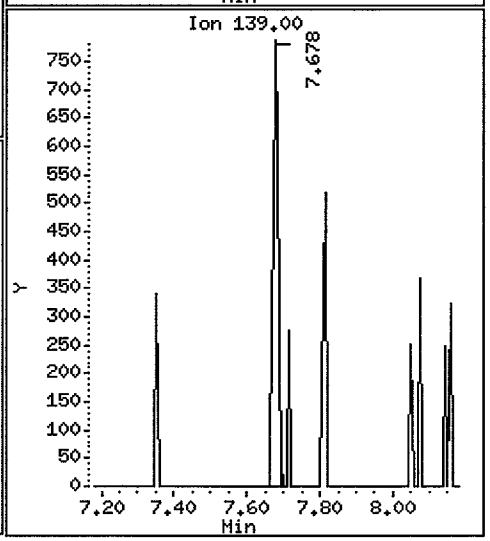












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

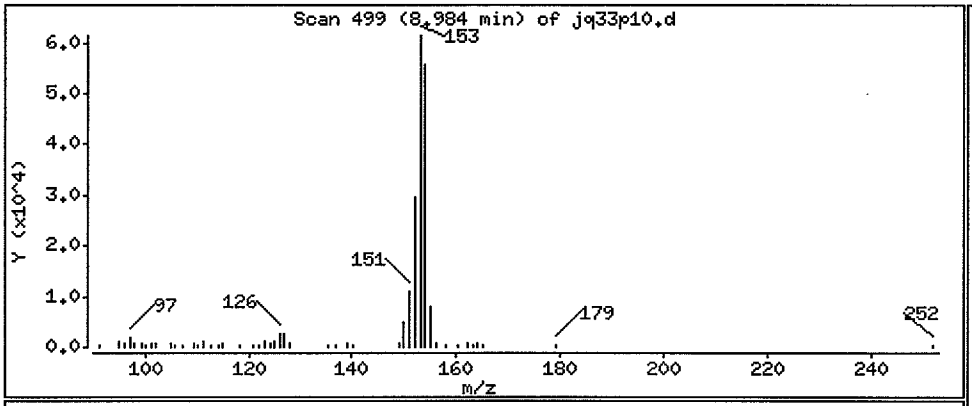
Operator: VTS

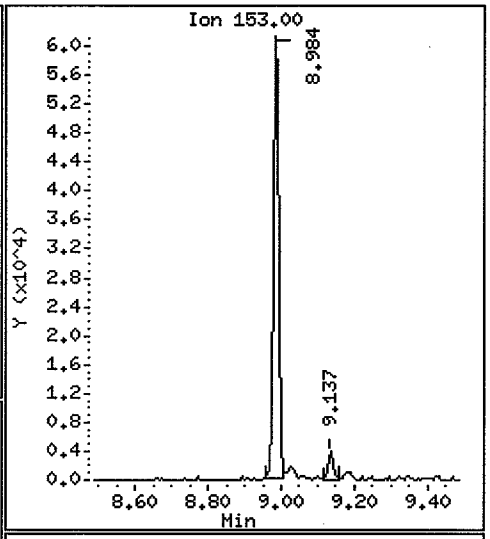
Column phase: ZB-5

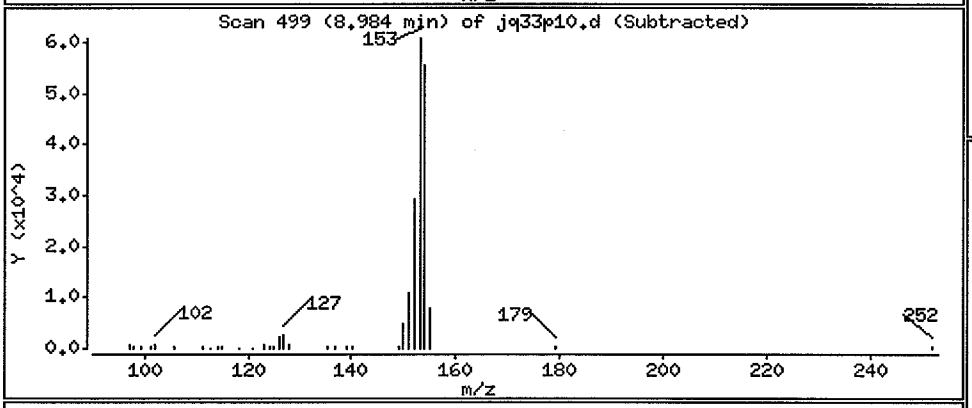
Column diameter: 0.25

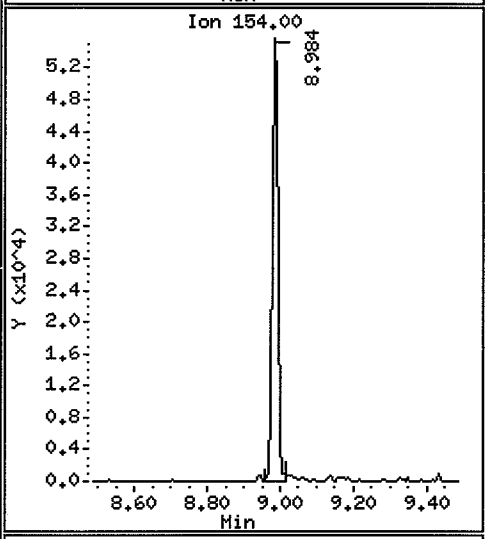
9 Acenaphthene

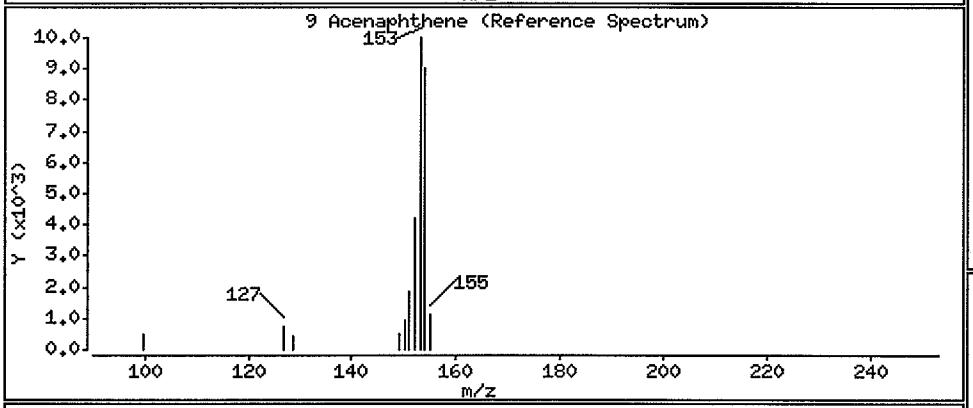
Concentration: 4163 ug/kg

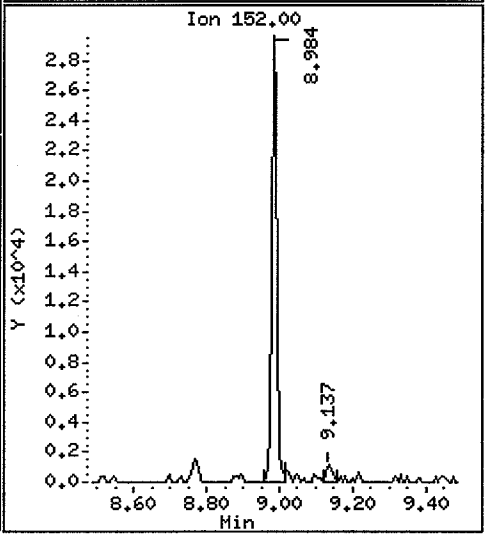


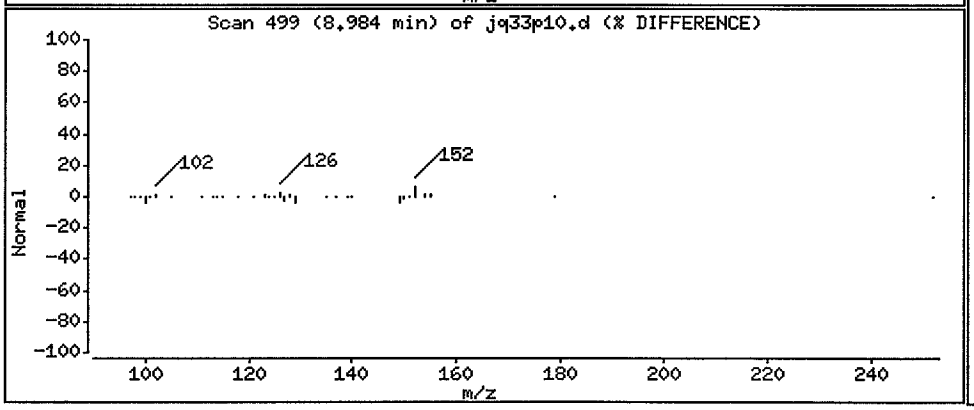












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

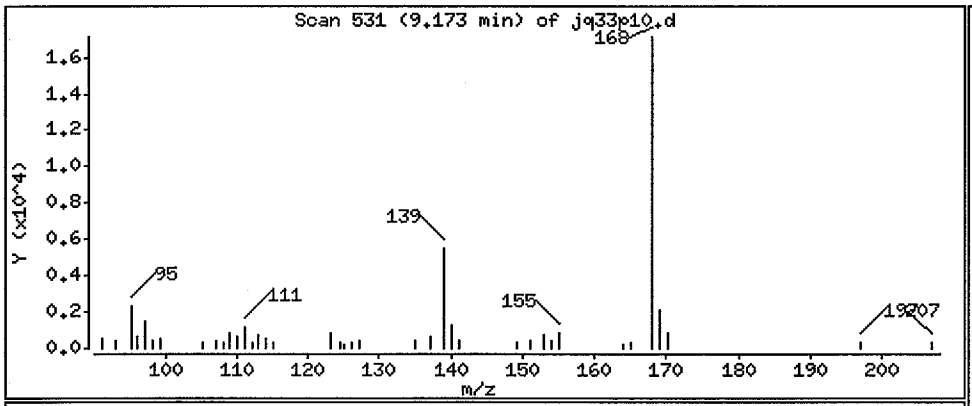
Operator: VTS

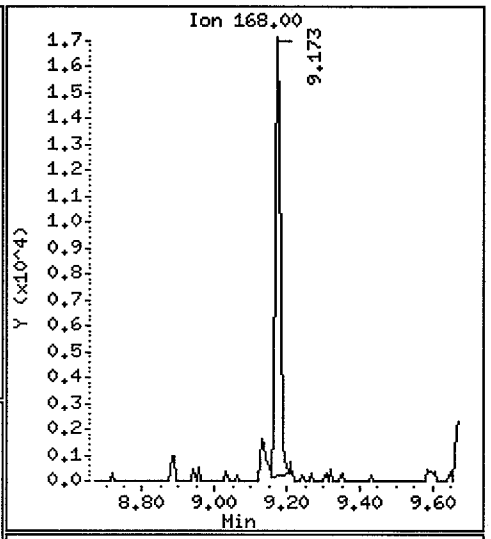
Column phase: ZB-5

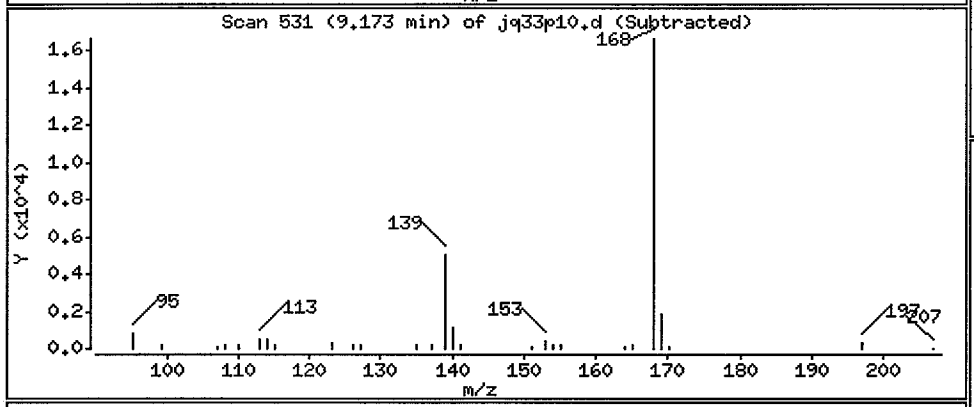
Column diameter: 0.25

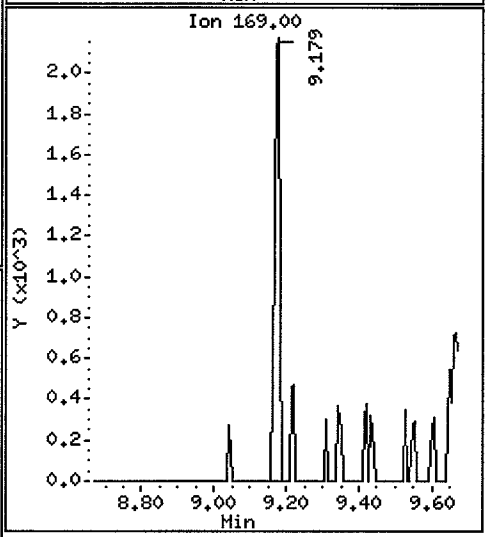
10 Dibenzofuran

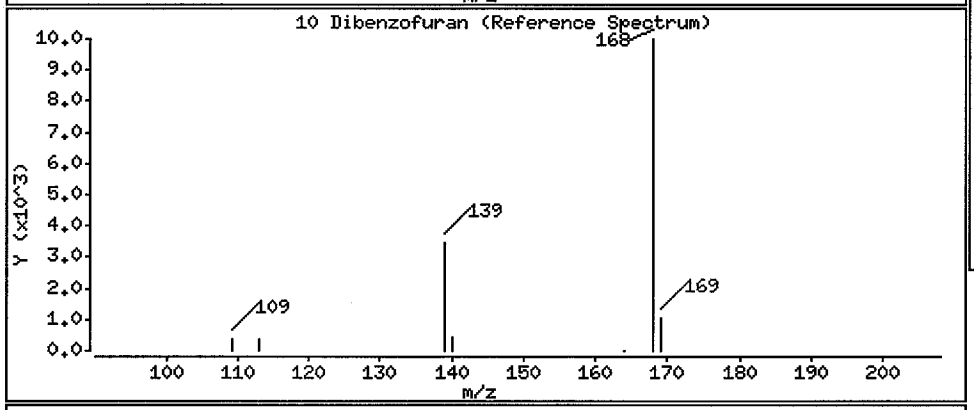
Concentration: 778.6 ug/kg

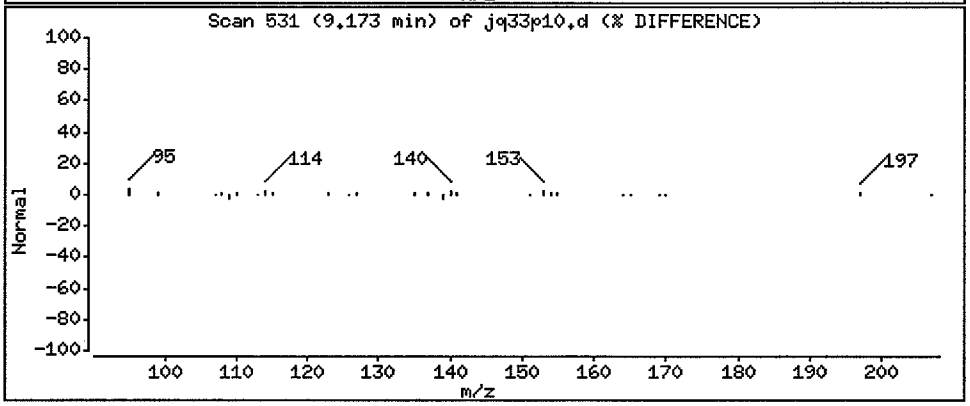












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

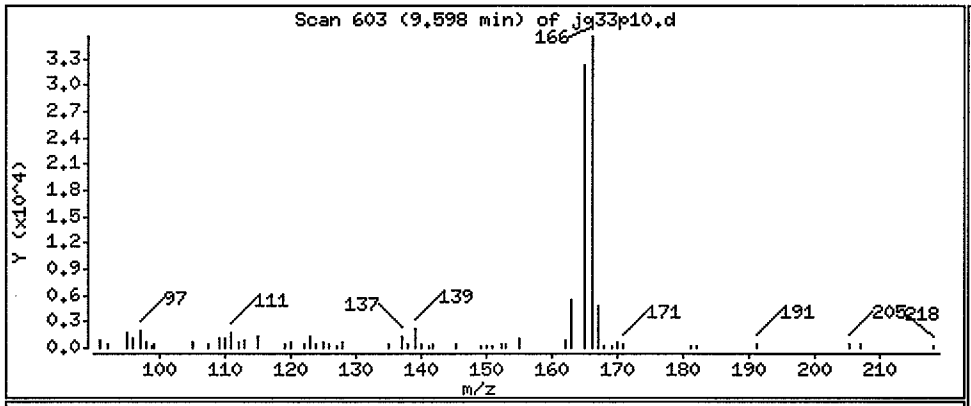
Operator: VTS

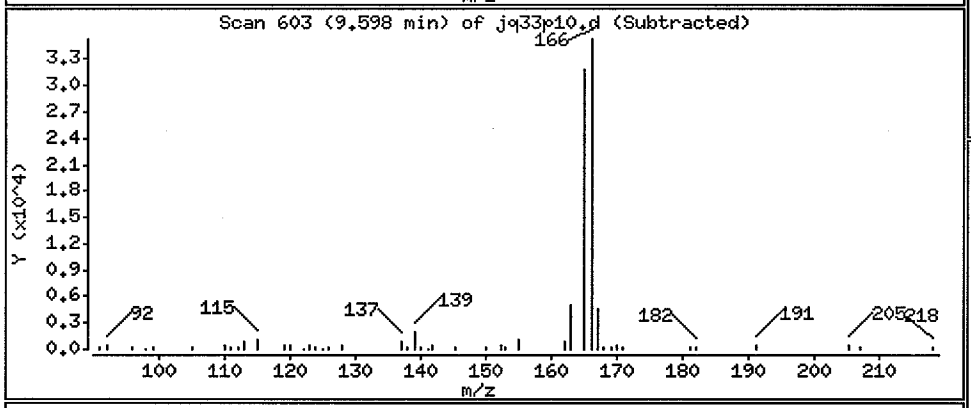
Column phase: ZB-5

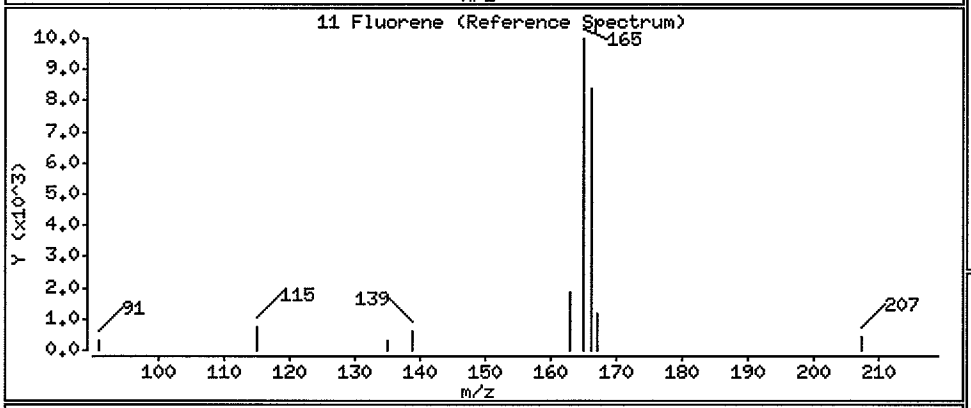
Column diameter: 0.25

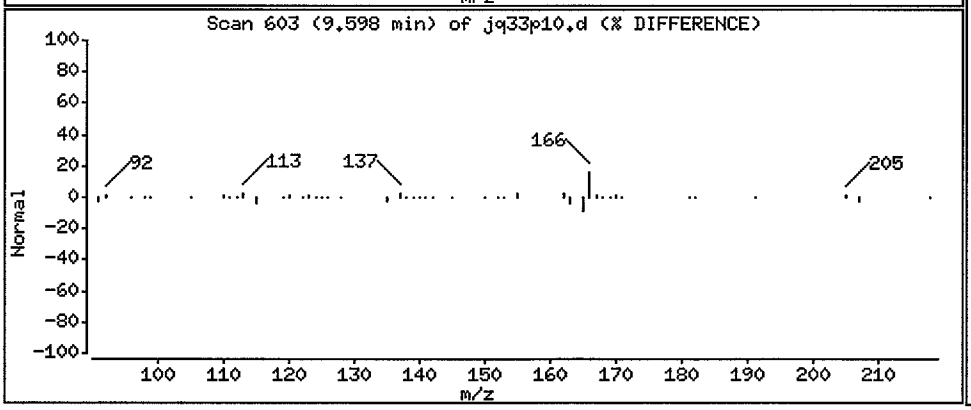
11 Fluorene

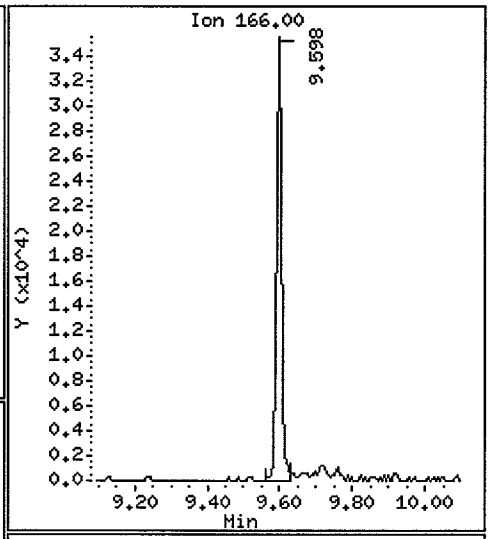
Concentration: 2071 ug/kg

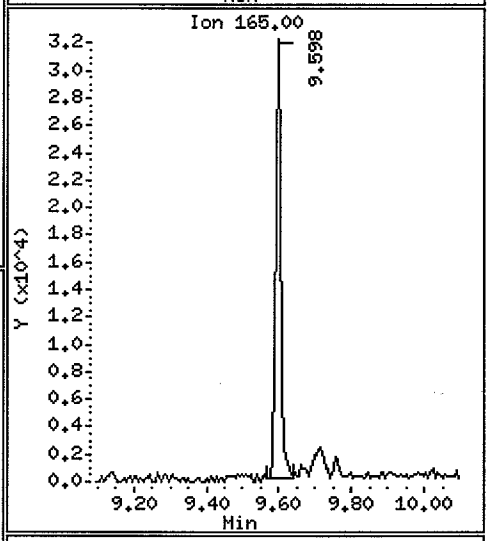


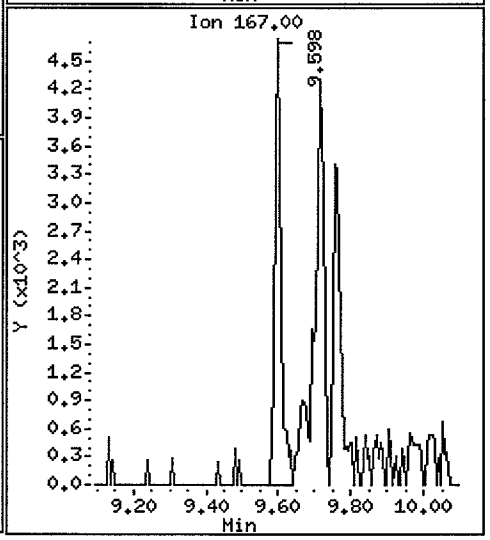












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

Operator: VTS

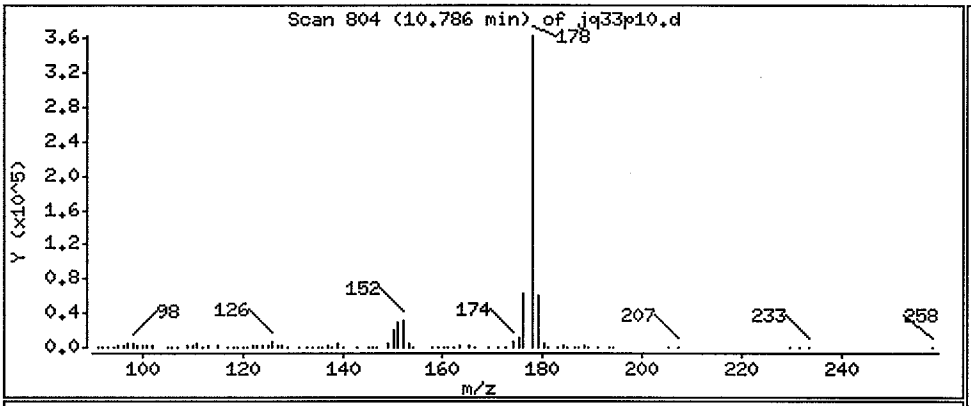
Column phase: ZB-5

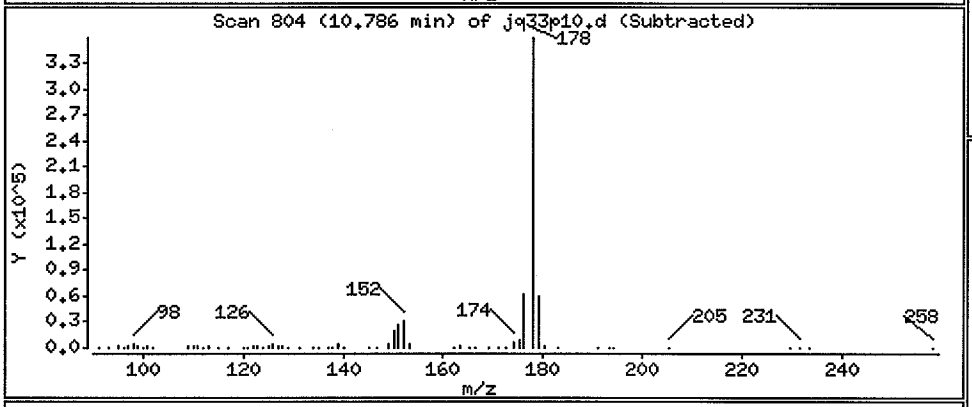
Column diameter: 0.25

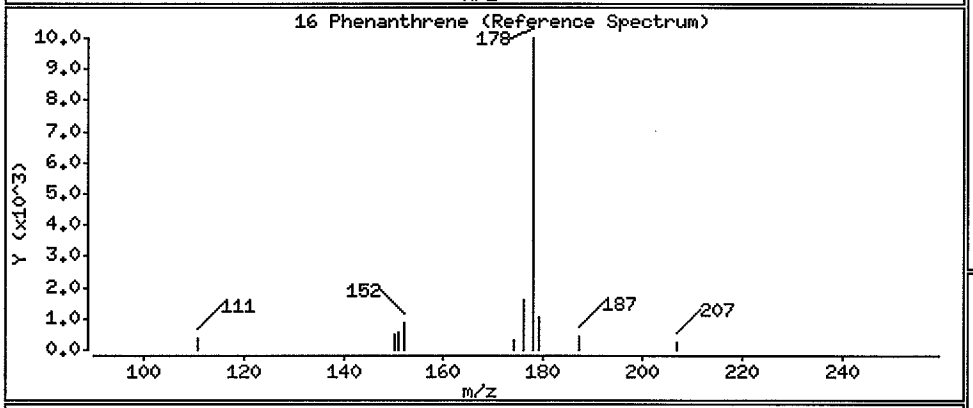
16 Phenanthrene

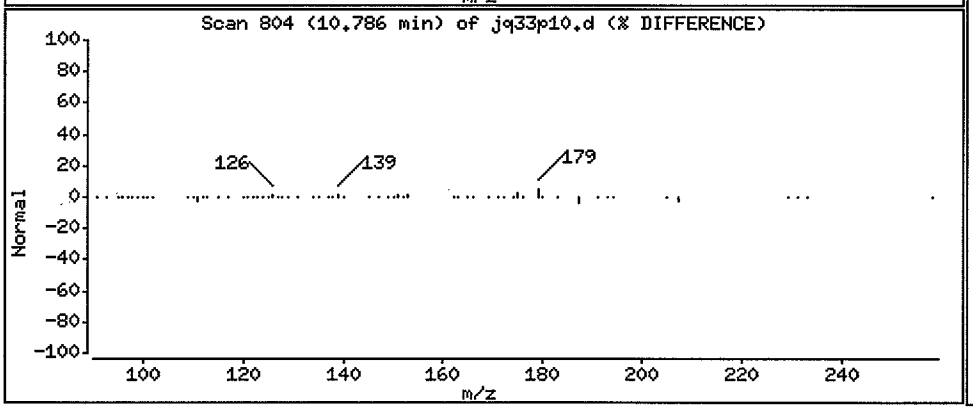
Concentration: 15330 ug/kg

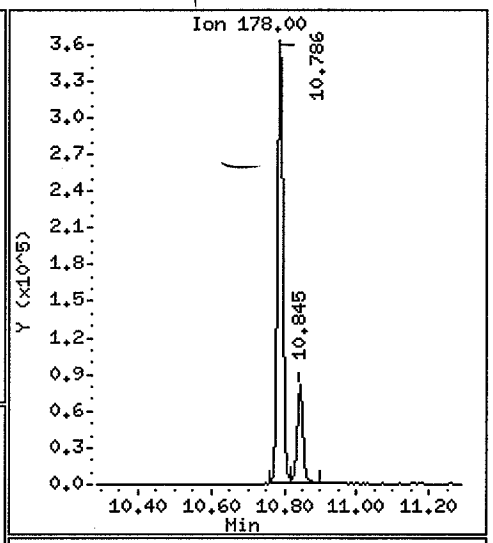
B

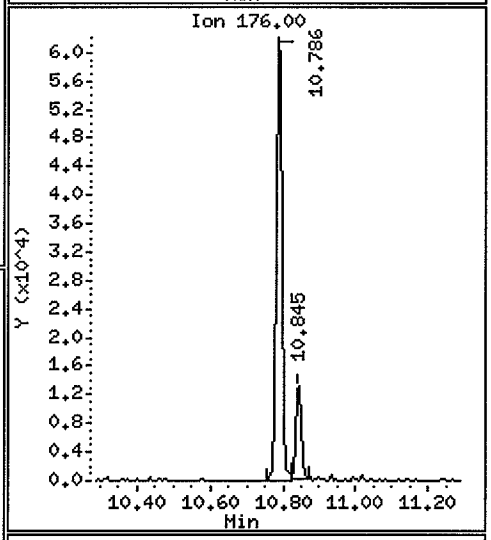


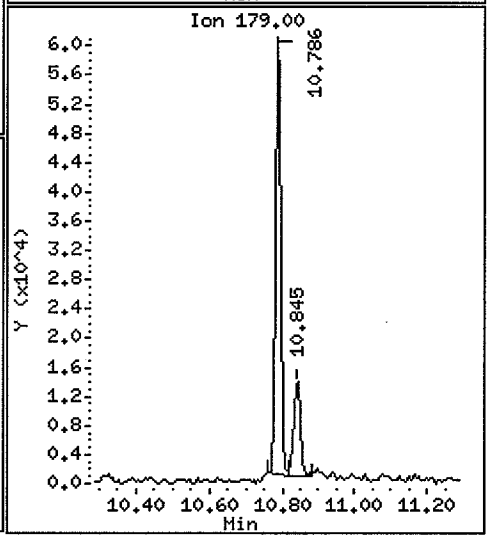












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

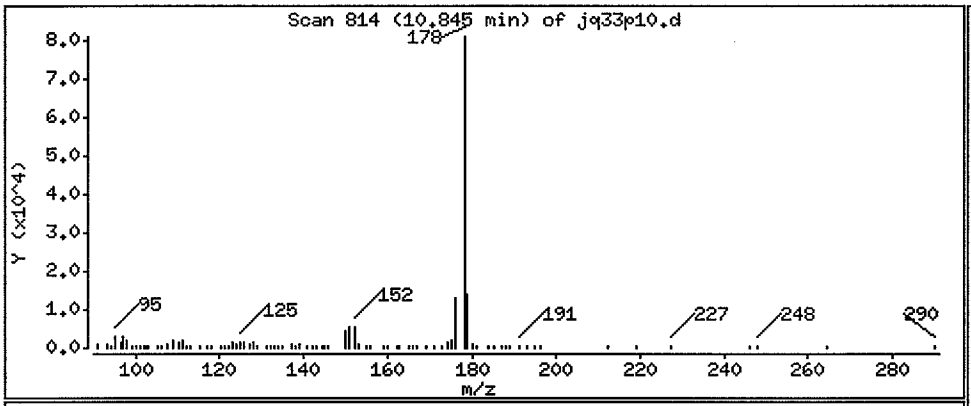
Operator: VTS

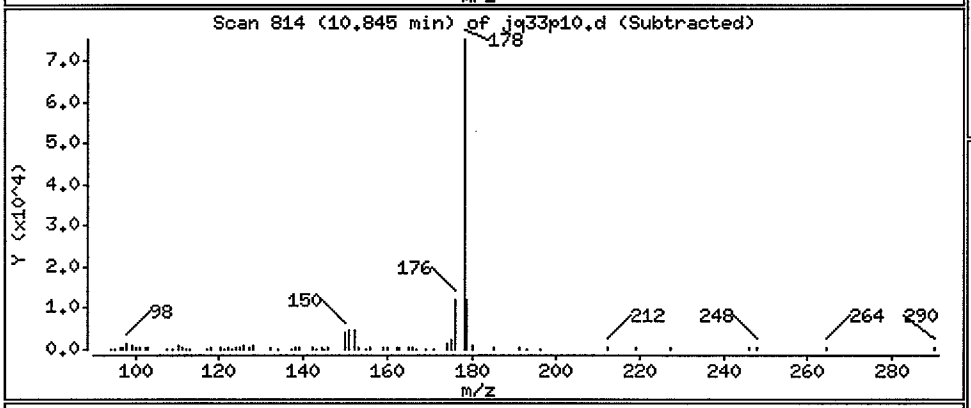
Column phase: ZB-5

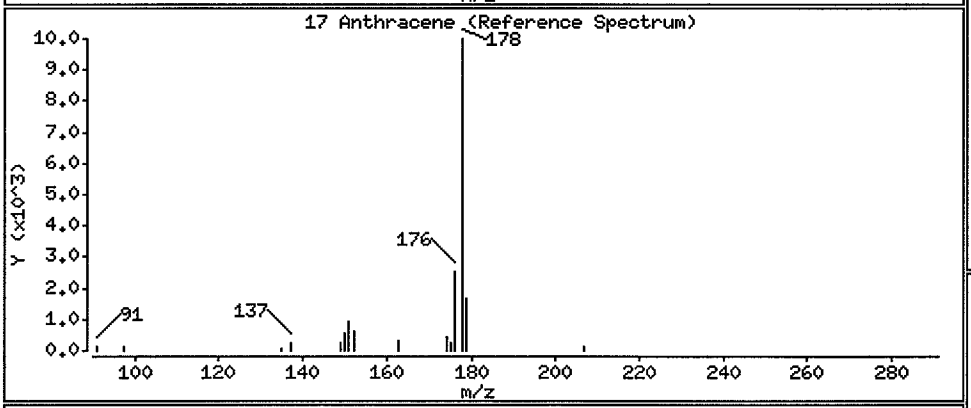
Column diameter: 0.25

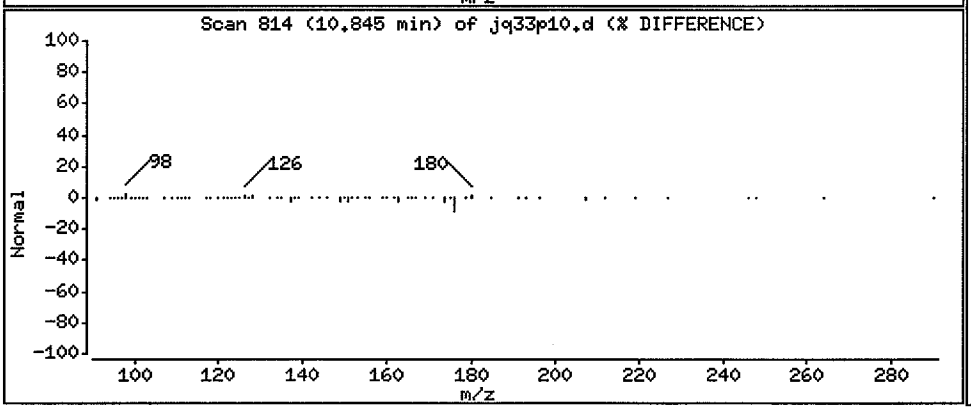
17 Anthracene

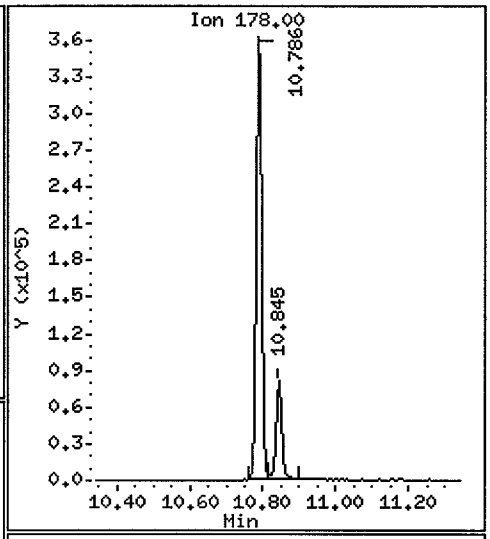
Concentration: 3528 ug/kg

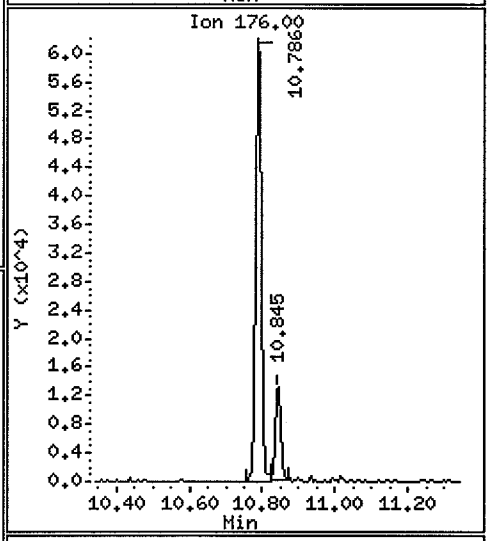


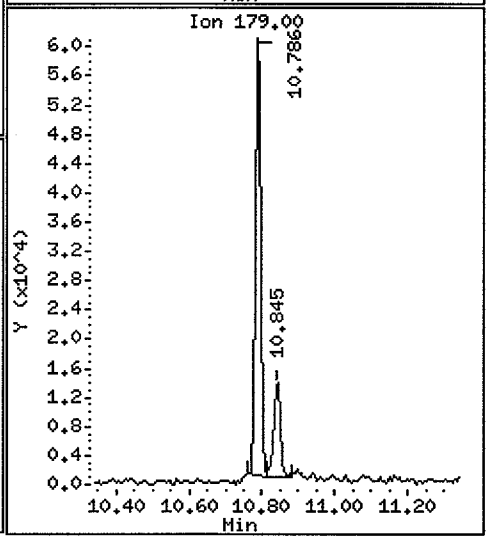












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

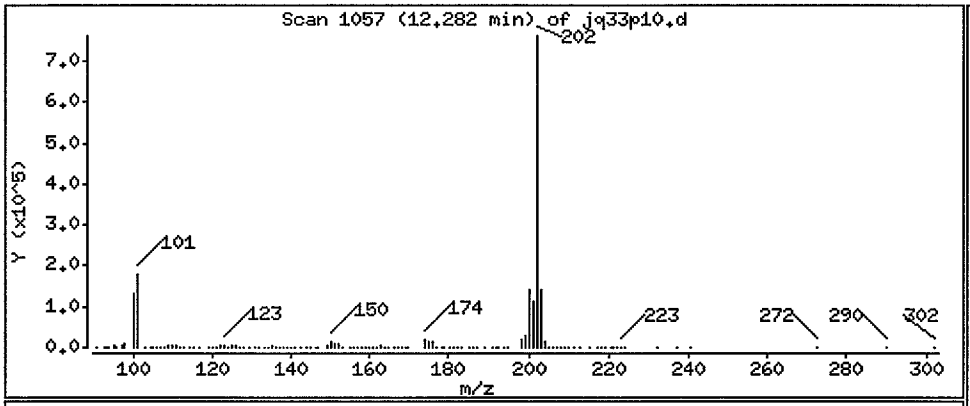
Operator: VTS

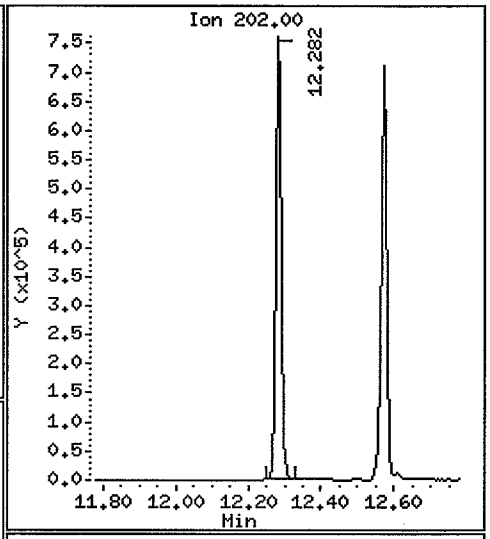
Column phase: ZB-5

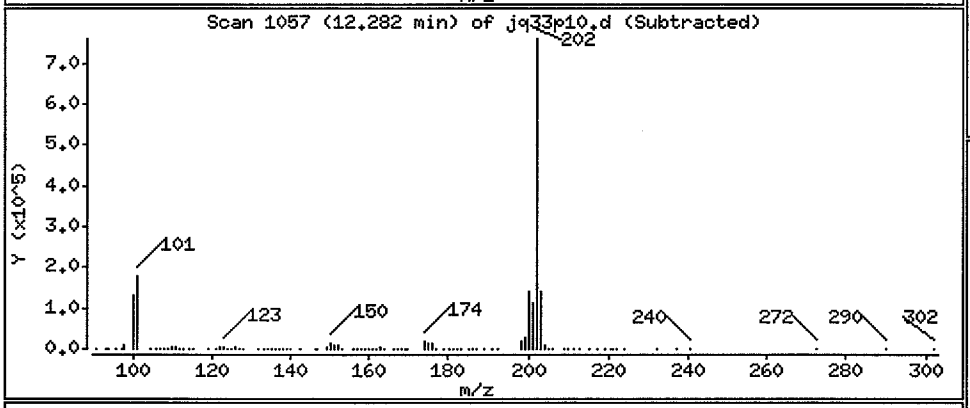
Column diameter: 0.25

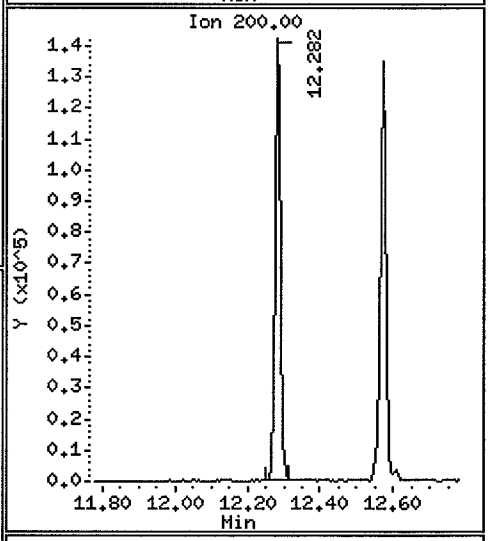
19 Fluoranthene

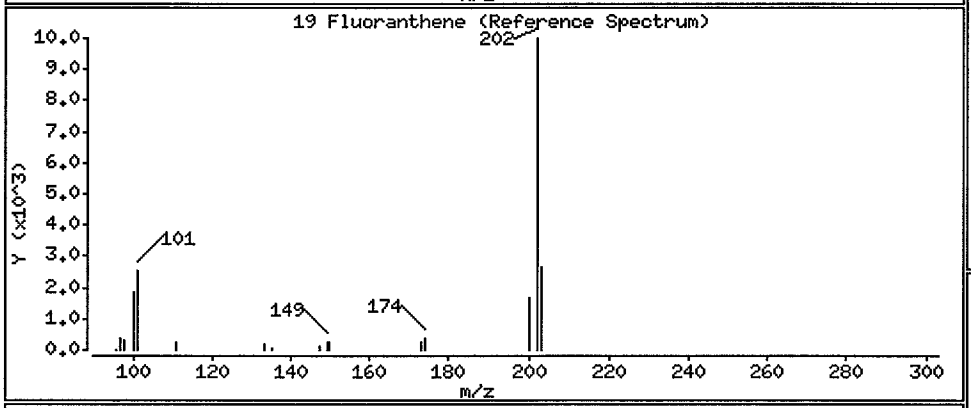
Concentration: 31220 ug/kg

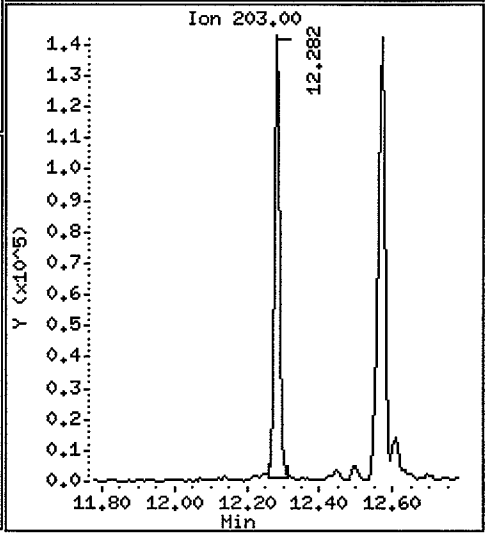


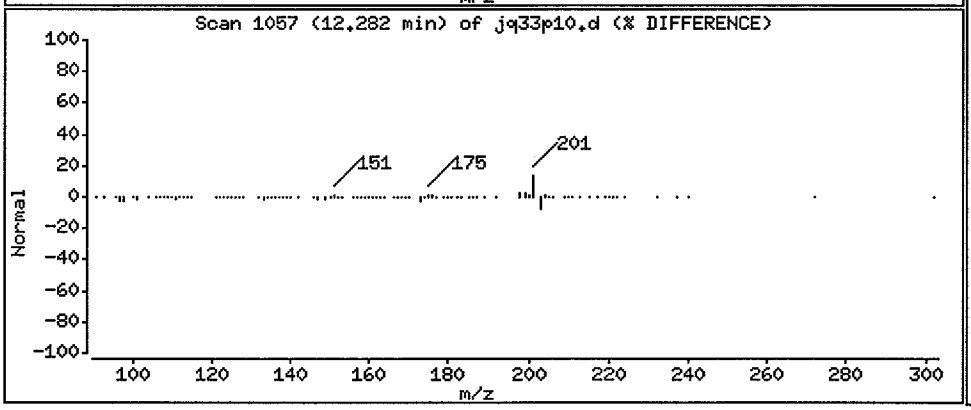












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

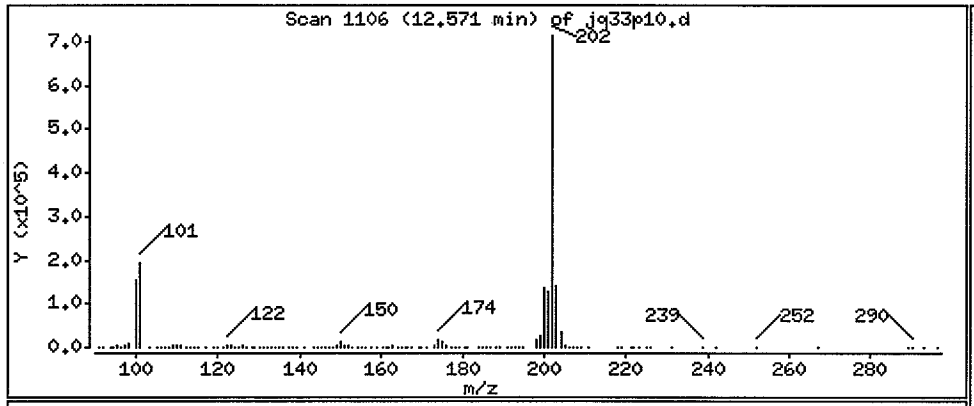
Operator: VTS

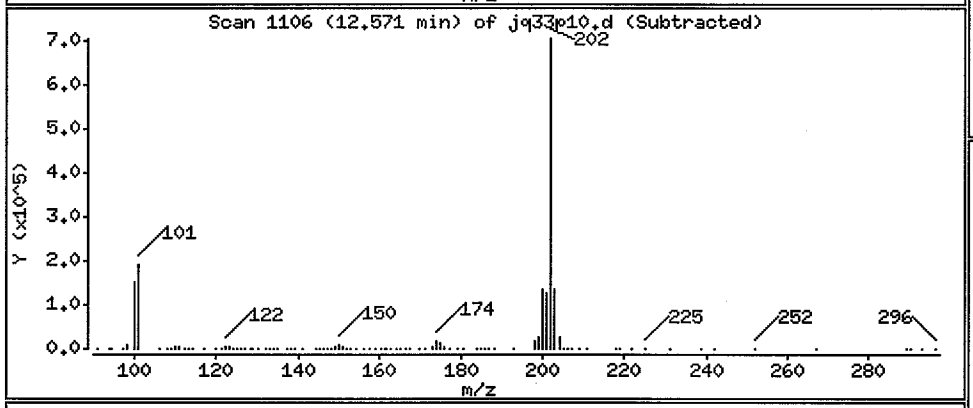
Column phase: ZB-5

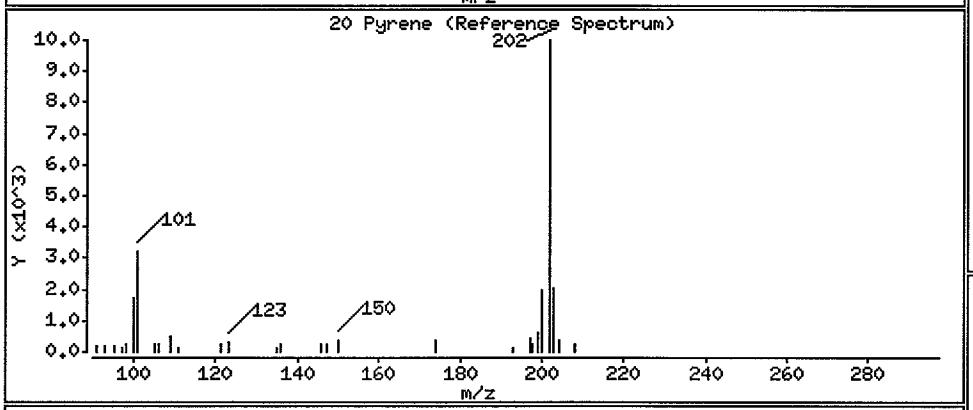
Column diameter: 0.25

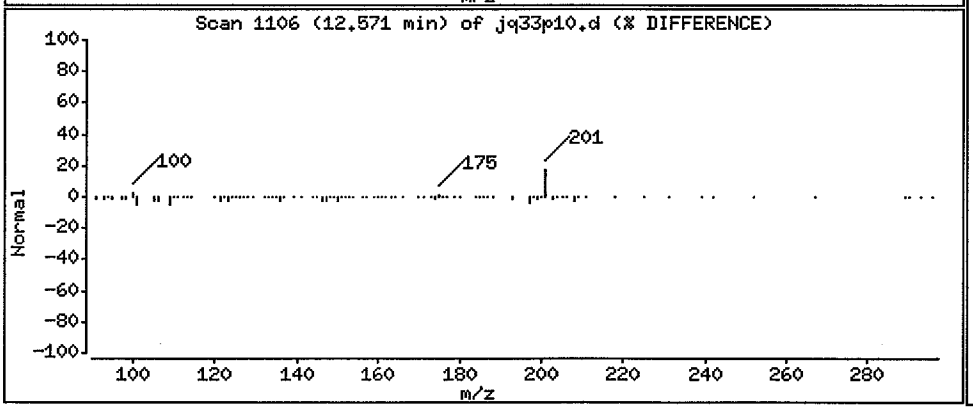
20 Pyrene

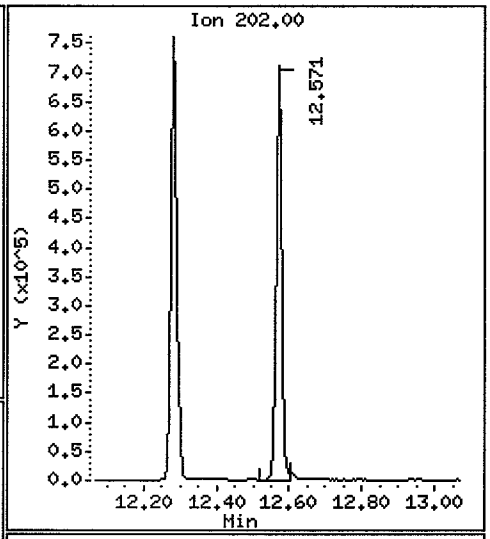
Concentration: 26940 ug/kg

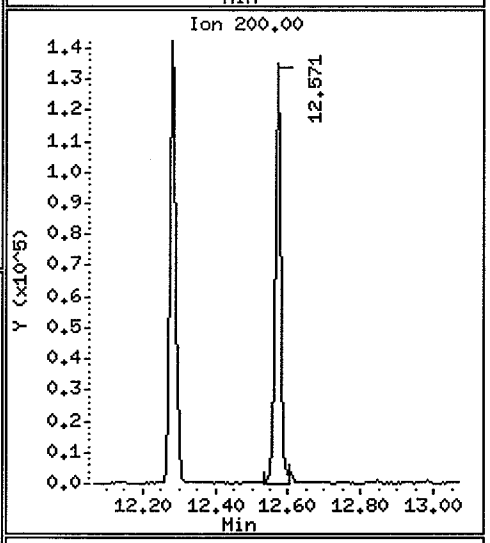


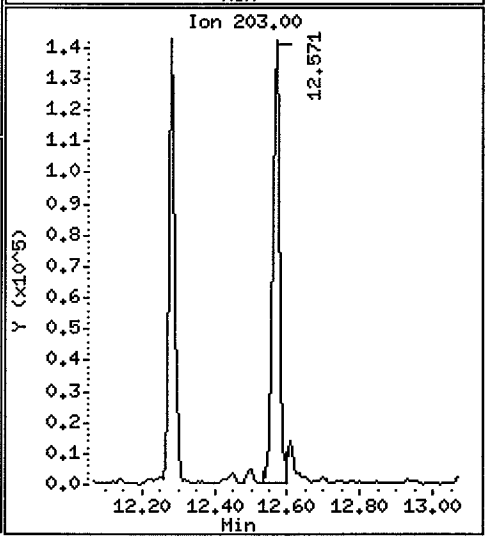












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

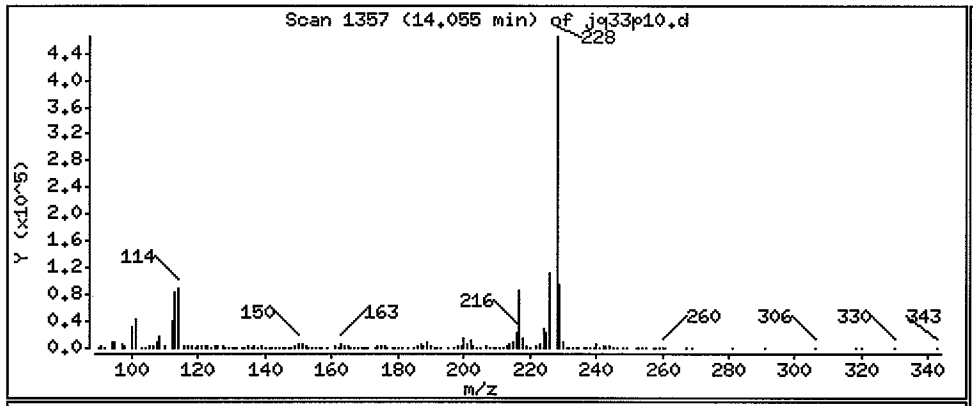
Operator: VTS

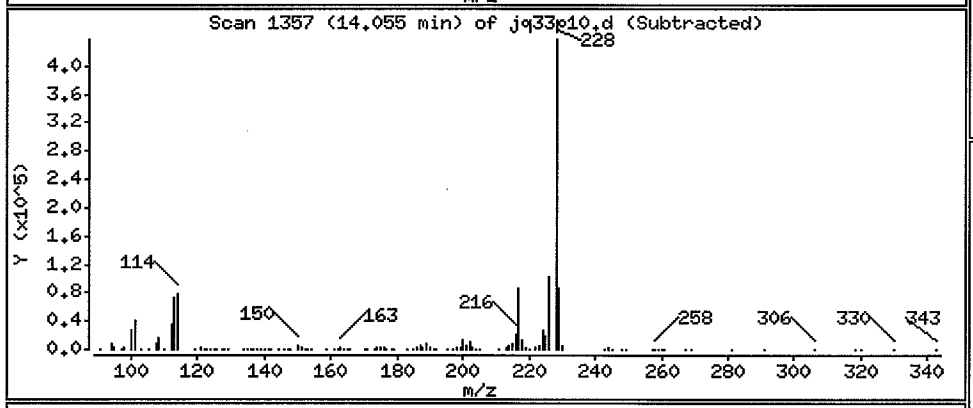
Column phase: ZB-5

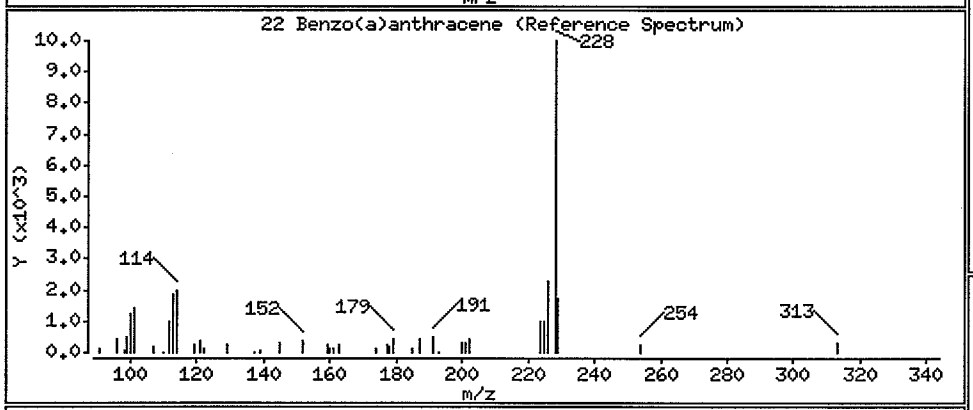
Column diameter: 0.25

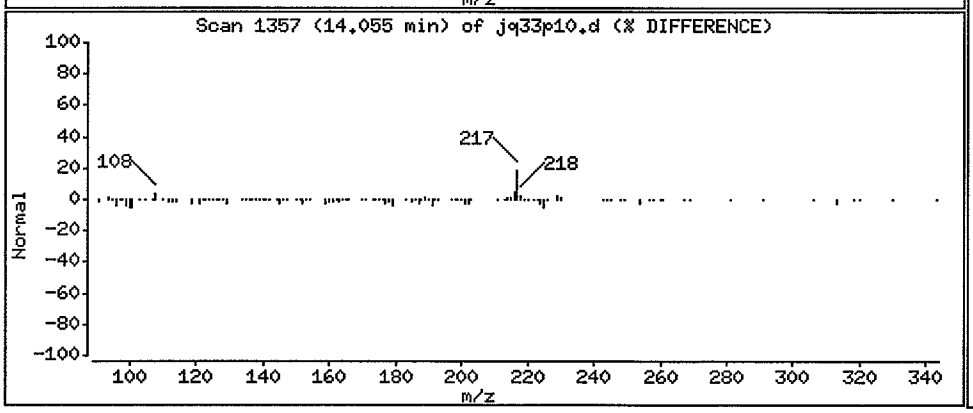
22 Benzo(a)anthracene

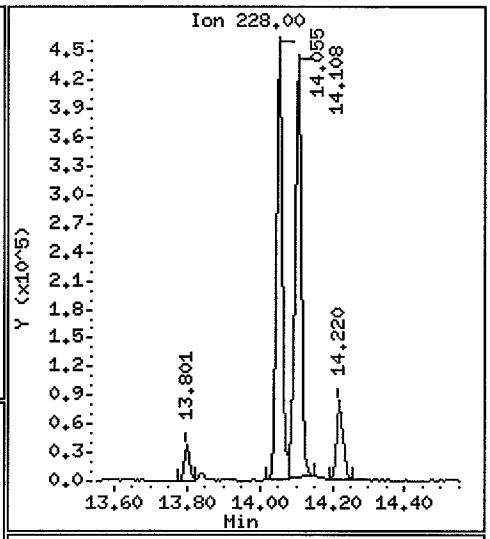
Concentration: 19030 ug/kg

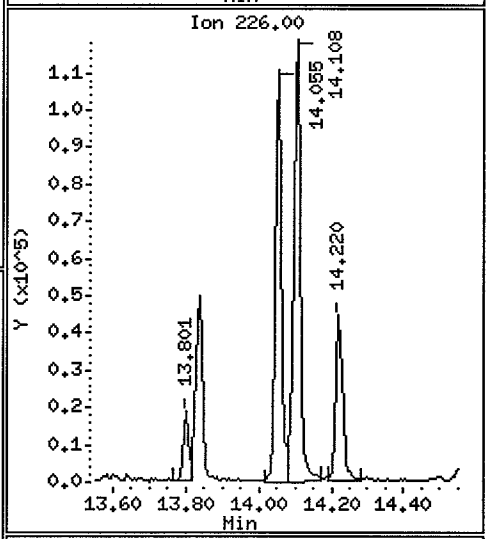


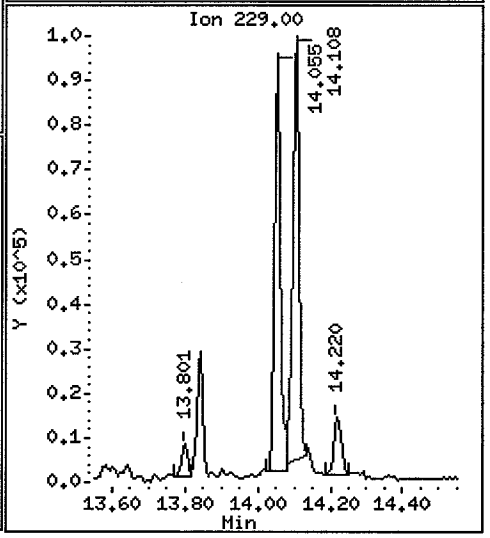












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

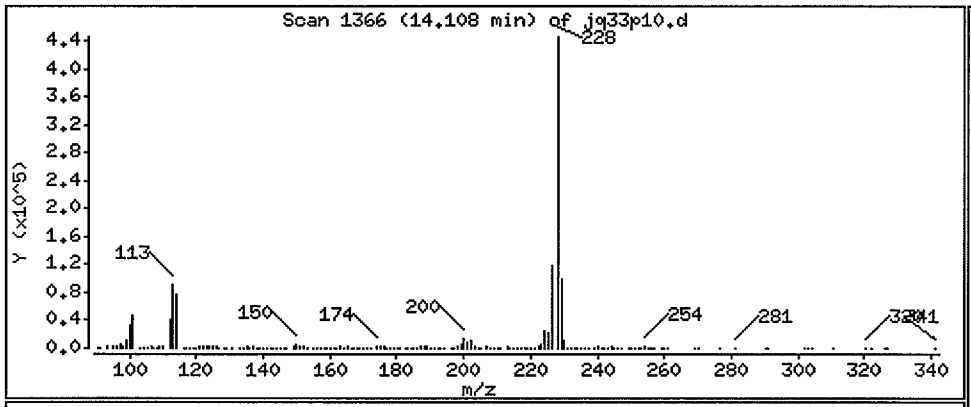
Operator: VTS

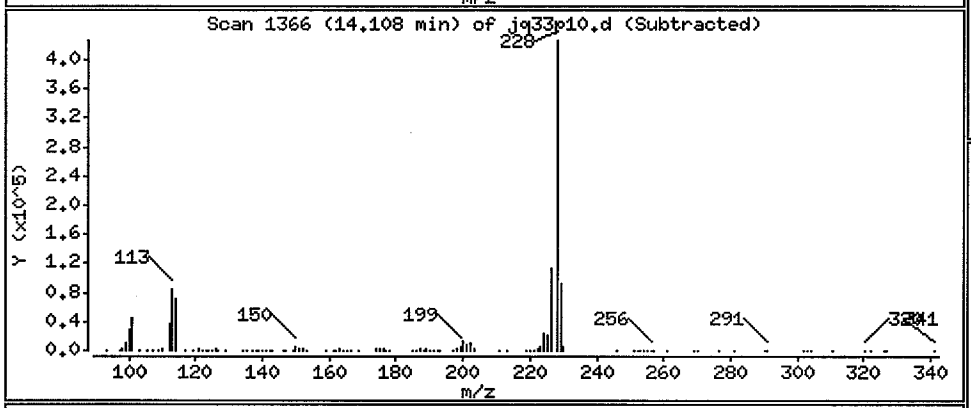
Column phase: ZB-5

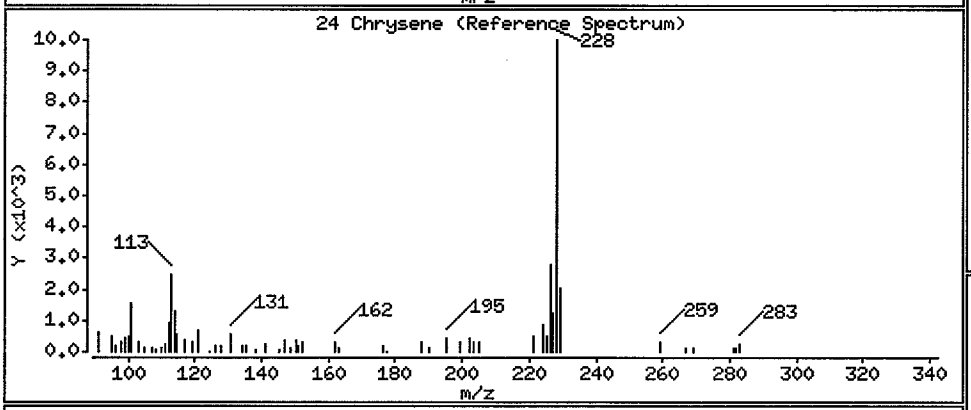
Column diameter: 0.25

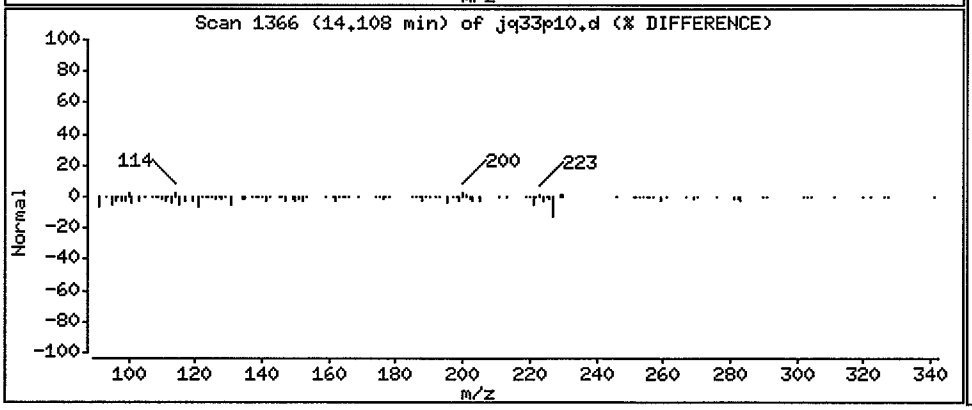
24 Chrysene

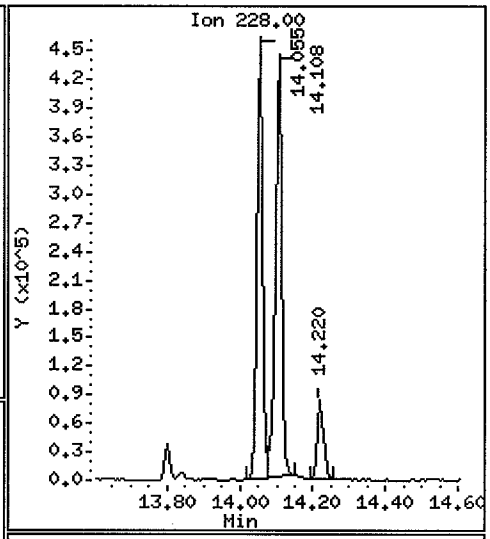
Concentration: 22120 ug/kg

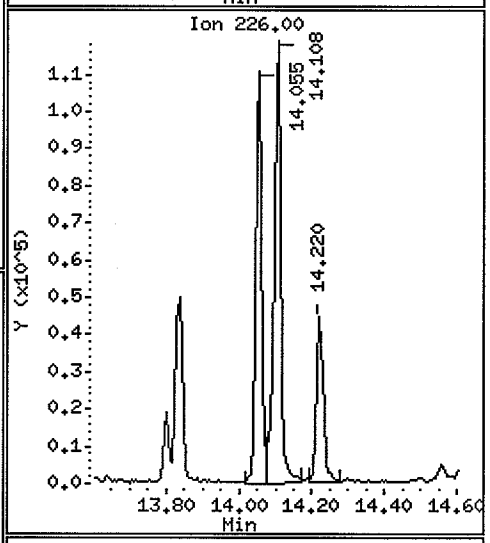


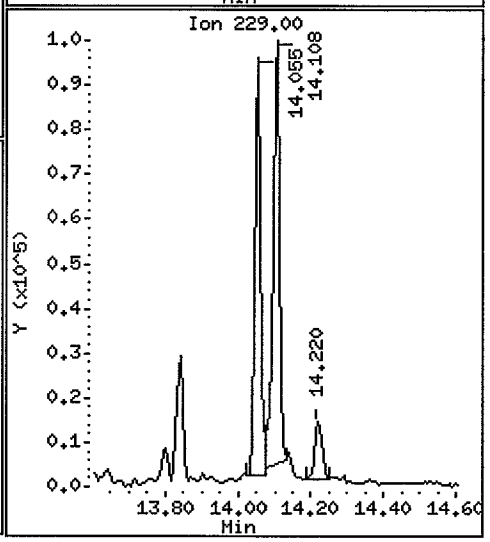












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

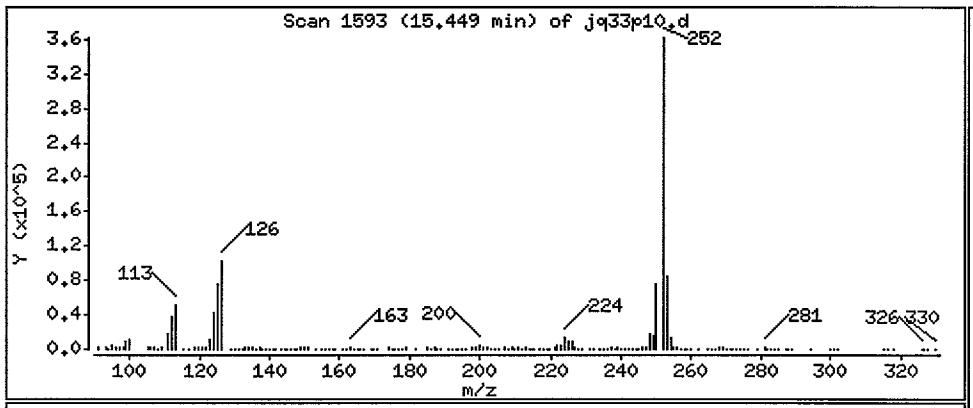
Operator: VTS

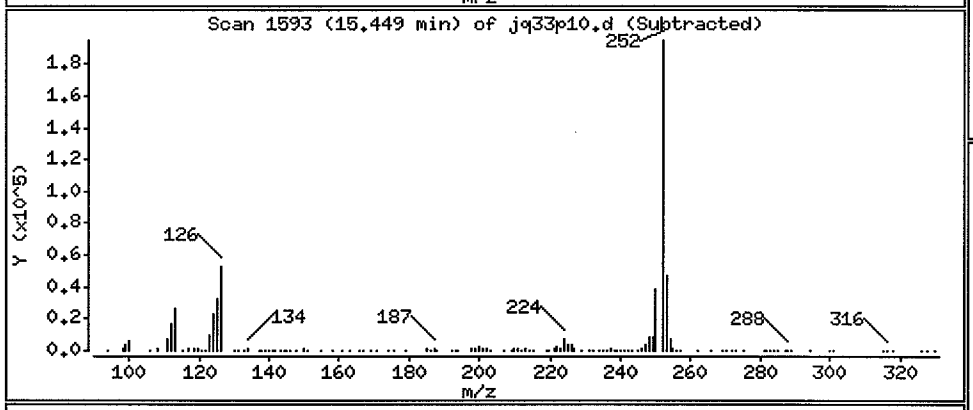
Column phase: ZB-5

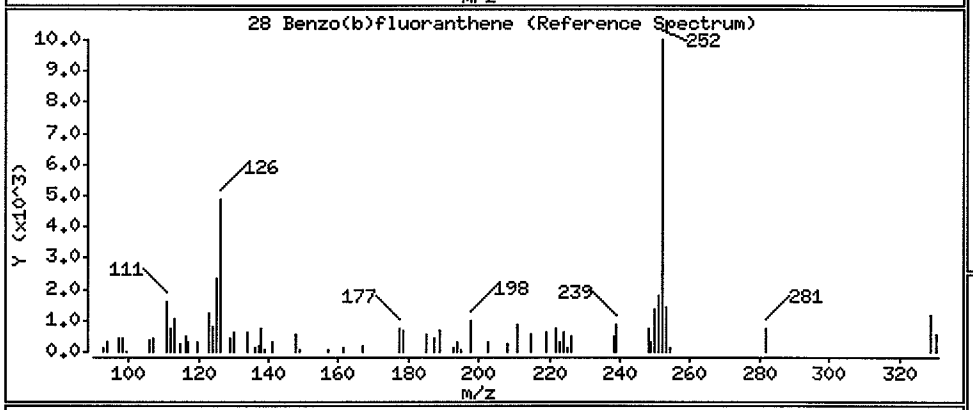
Column diameter: 0.25

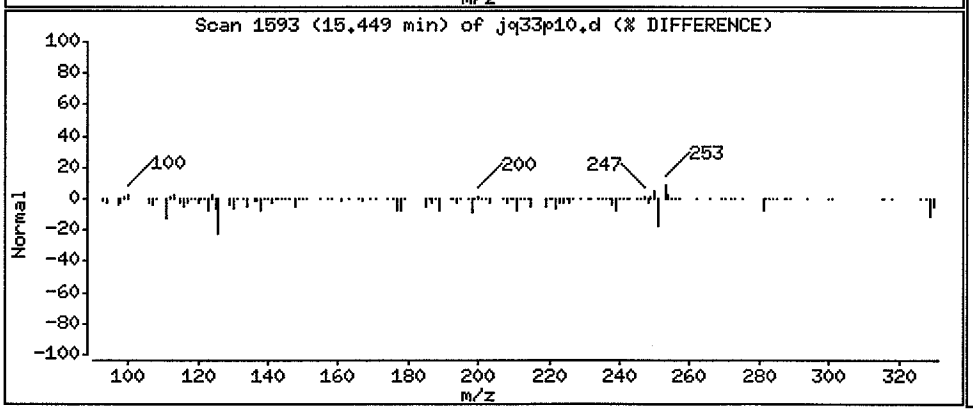
28 Benzo(b)fluoranthene

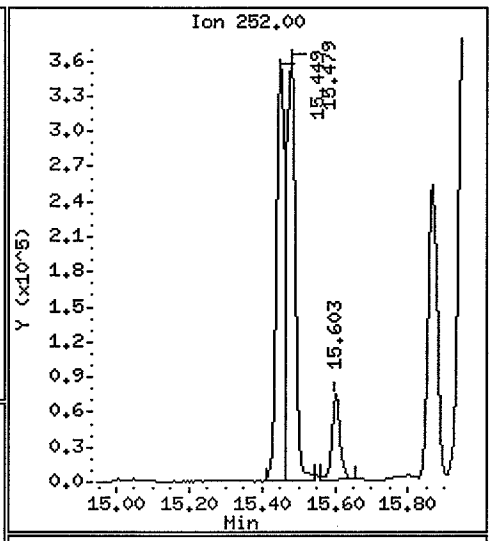
Concentration: 26060 ug/kg

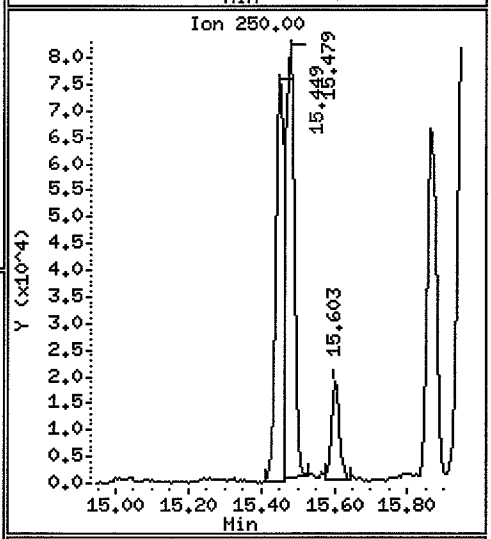


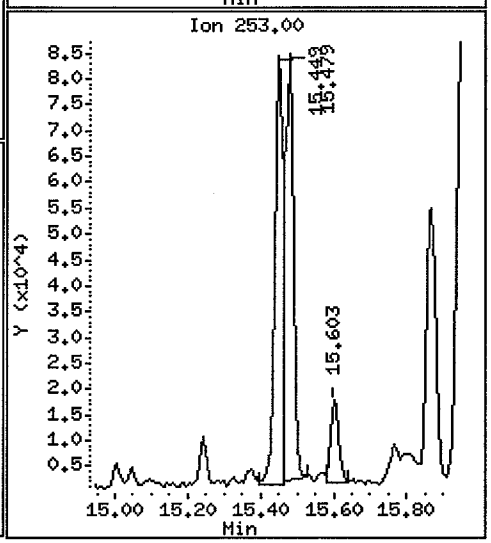












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

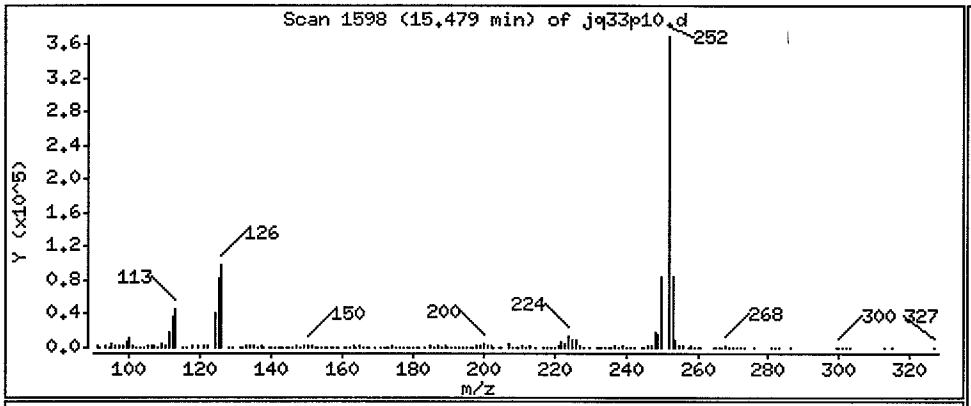
Operator: VTS

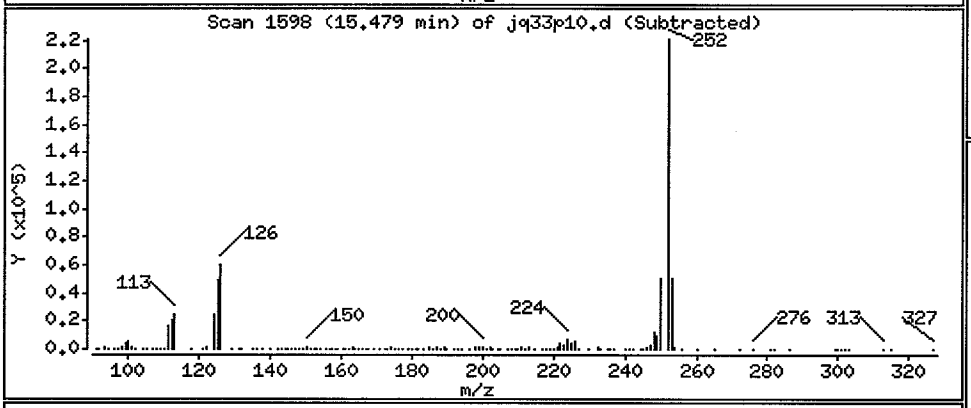
Column phase: ZB-5

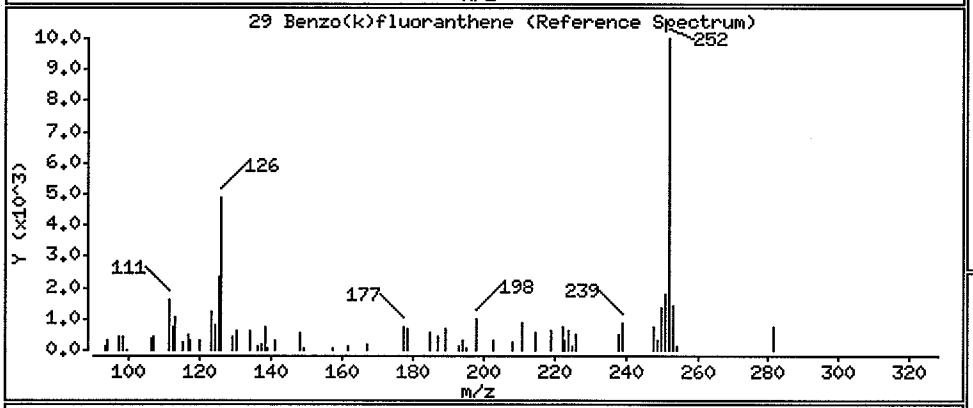
Column diameter: 0.25

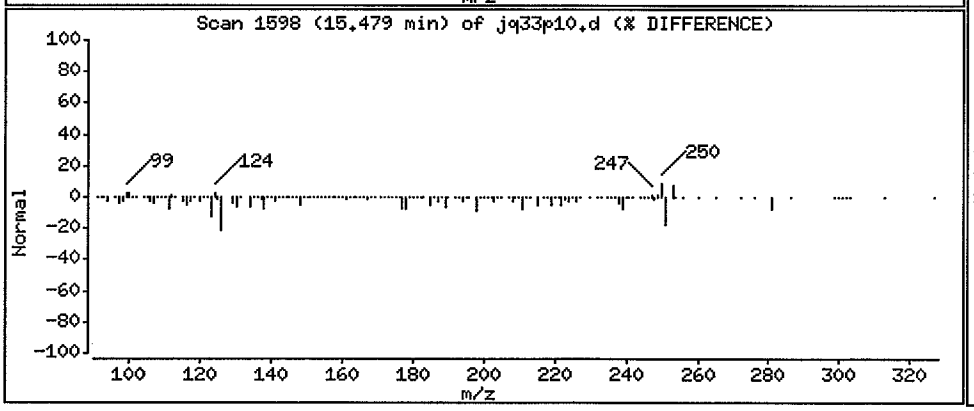
29 Benzo(k)fluoranthene

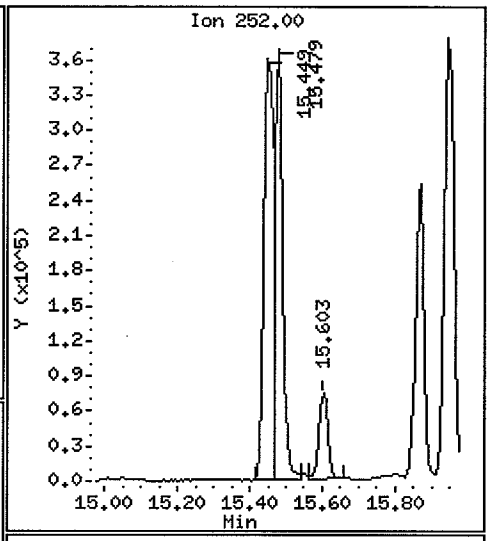
Concentration: 21750 ug/kg

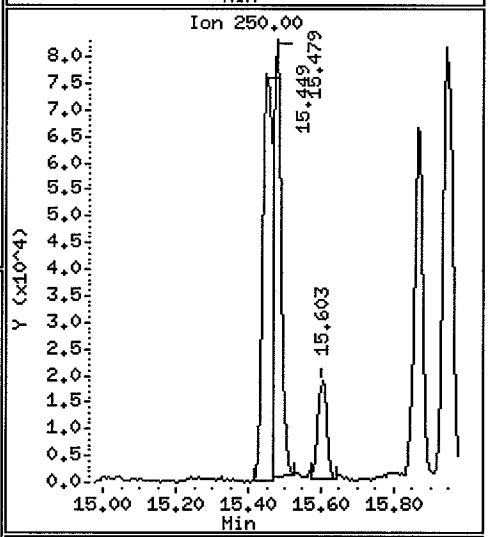


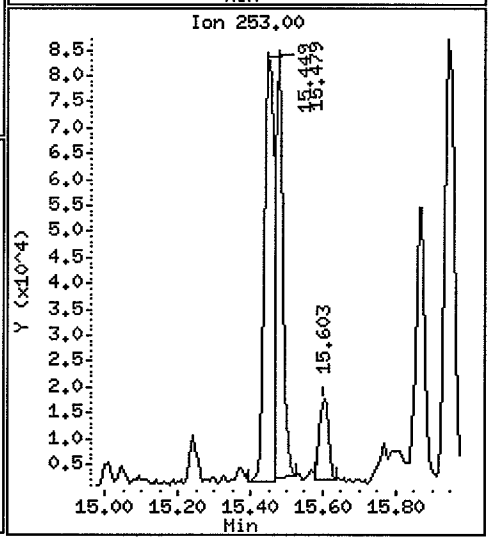












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

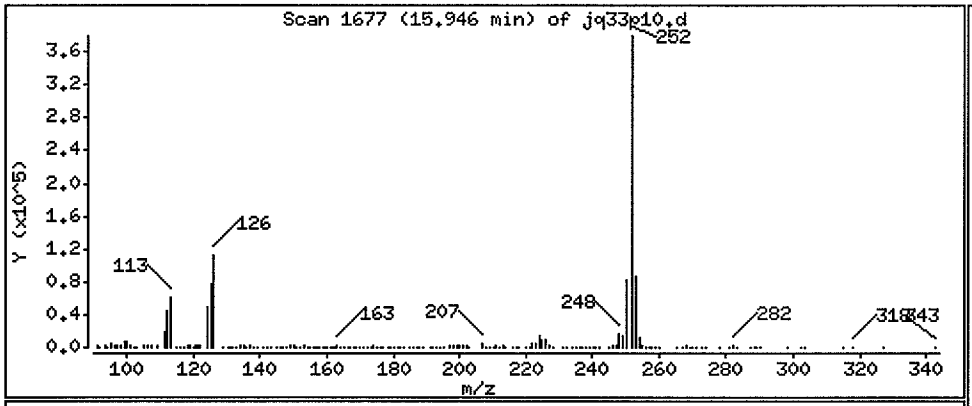
Operator: VTS

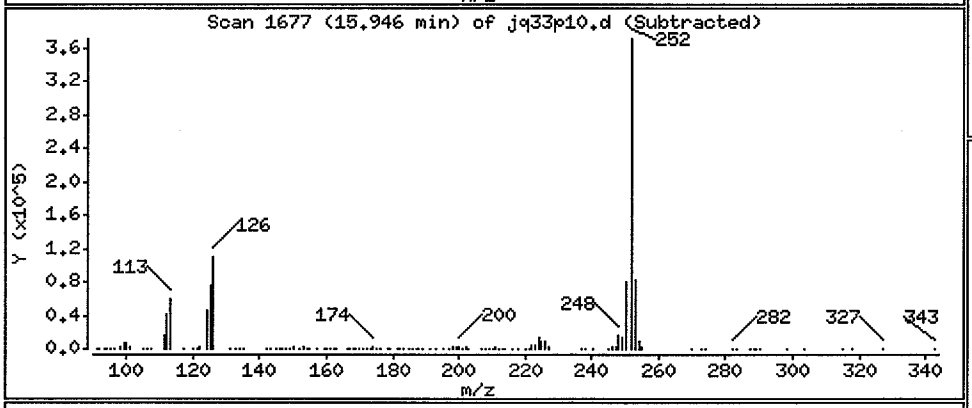
Column phase: ZB-5

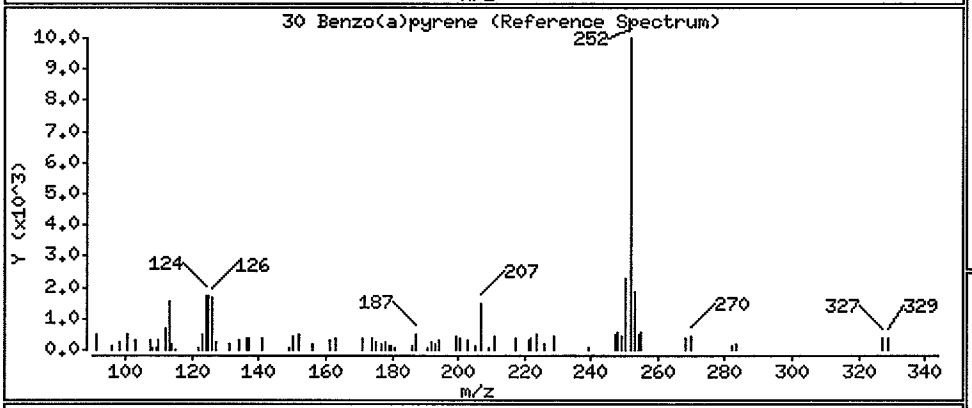
Column diameter: 0.25

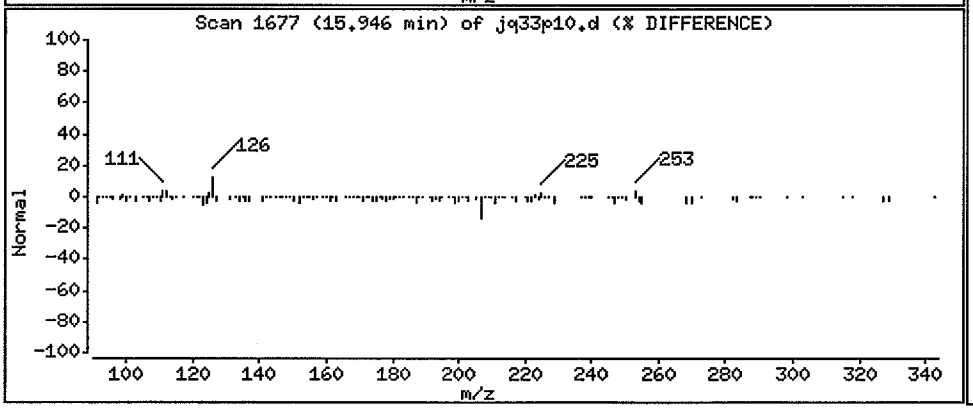
30 Benzo(a)pyrene

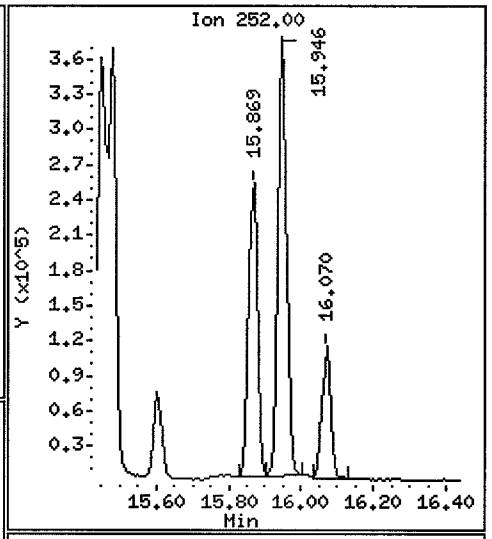
Concentration: 25510 ug/kg

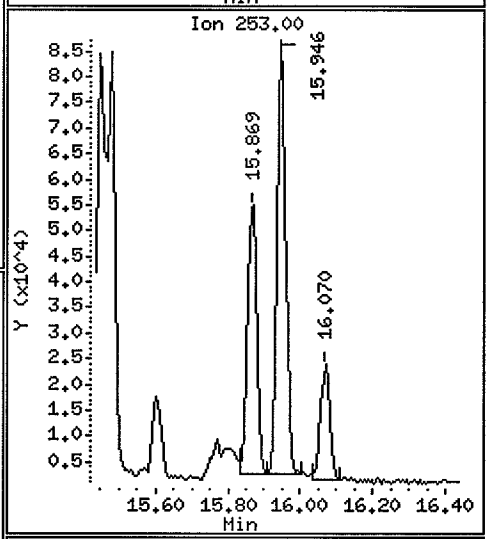


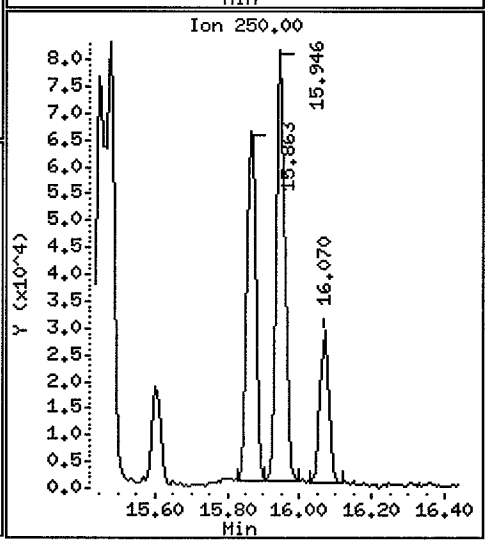












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

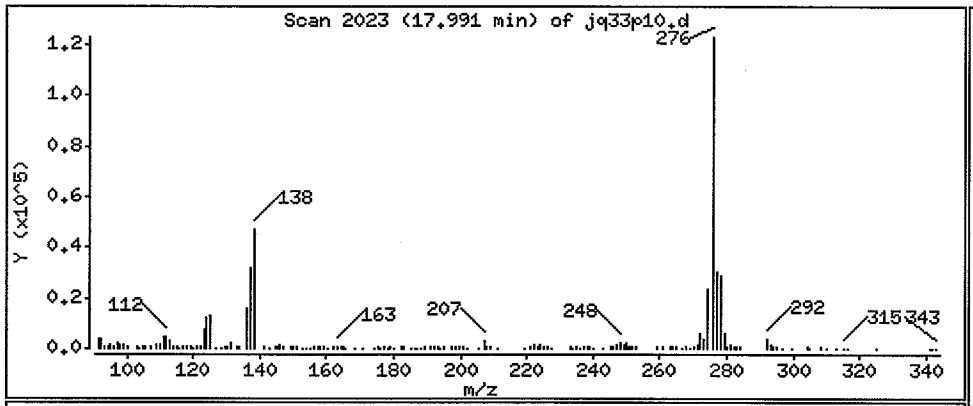
Operator: VTS

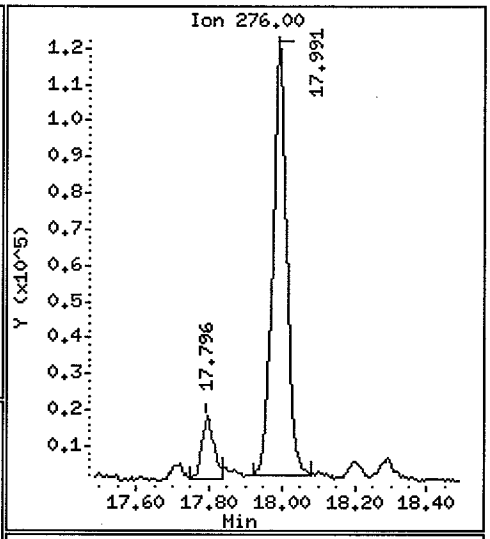
Column phase: ZB-5

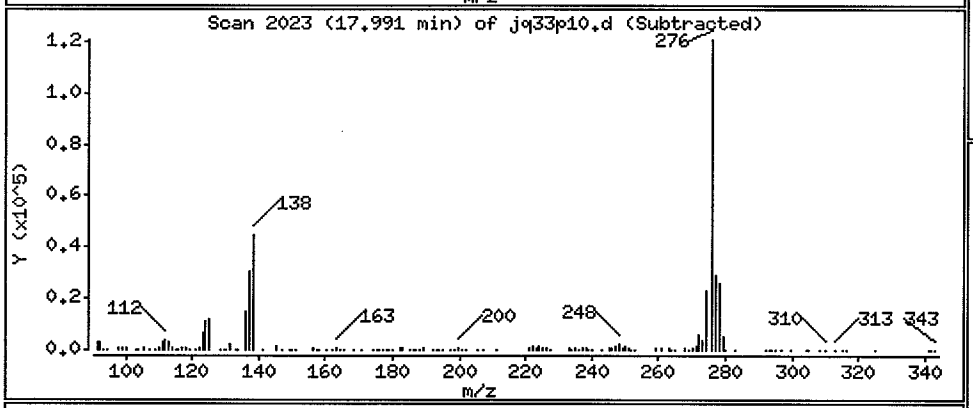
Column diameter: 0.25

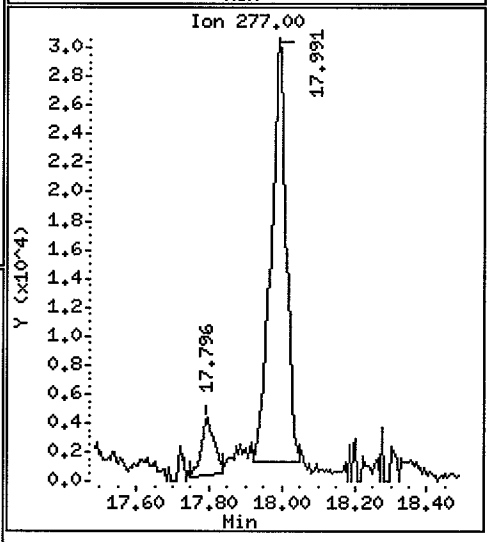
33 Indeno(1,2,3-cd)pyrene

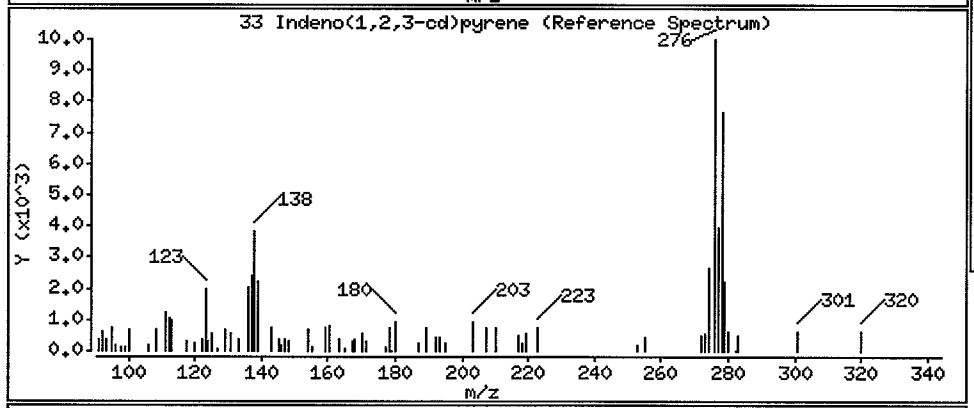
Concentration: 11410 ug/kg

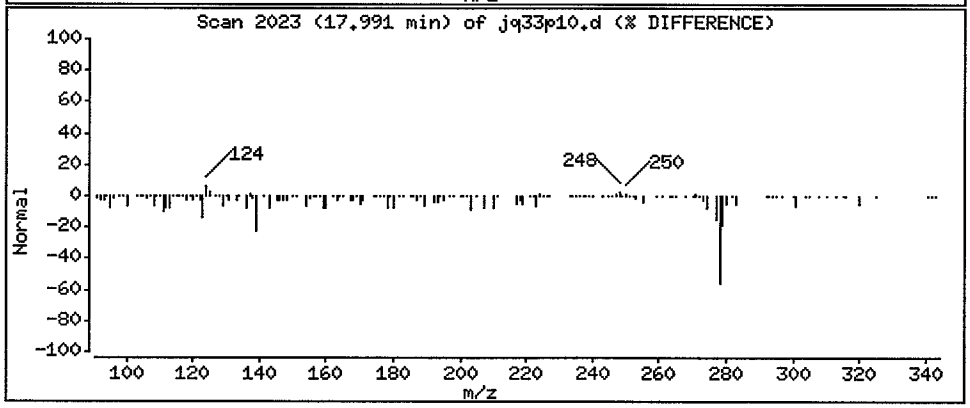












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

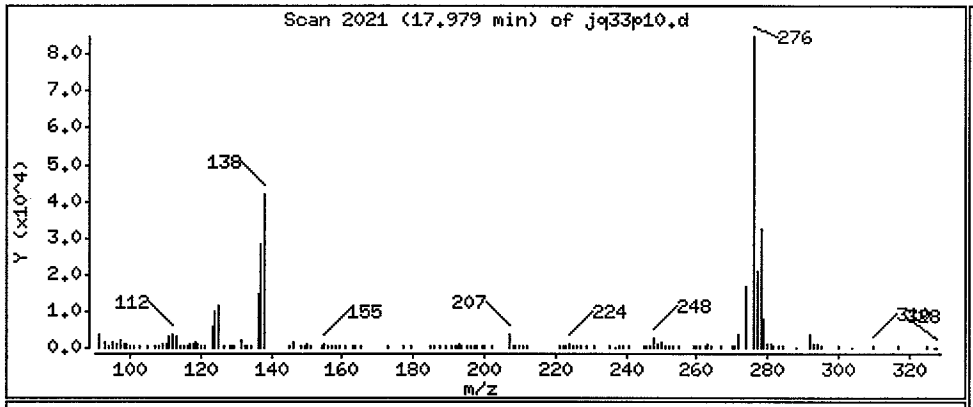
Operator: VTS

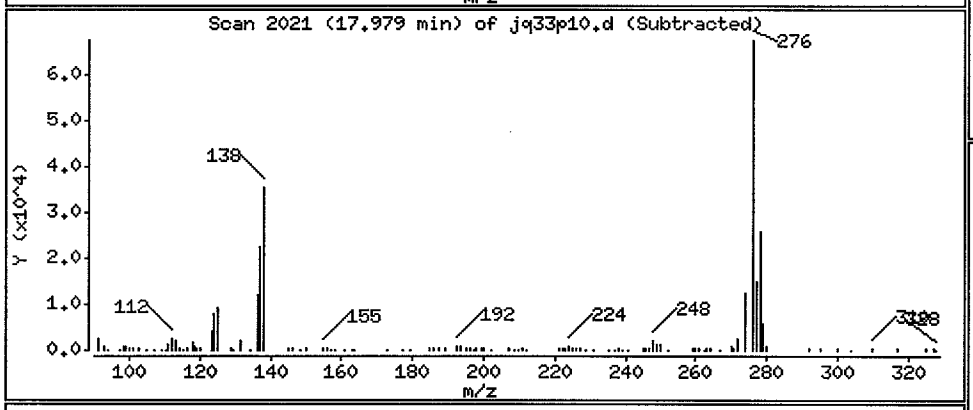
Column phase: ZB-5

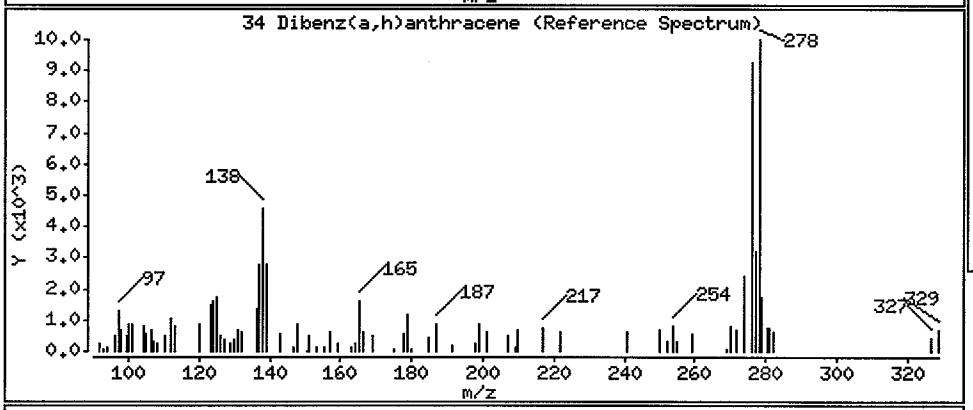
Column diameter: 0.25

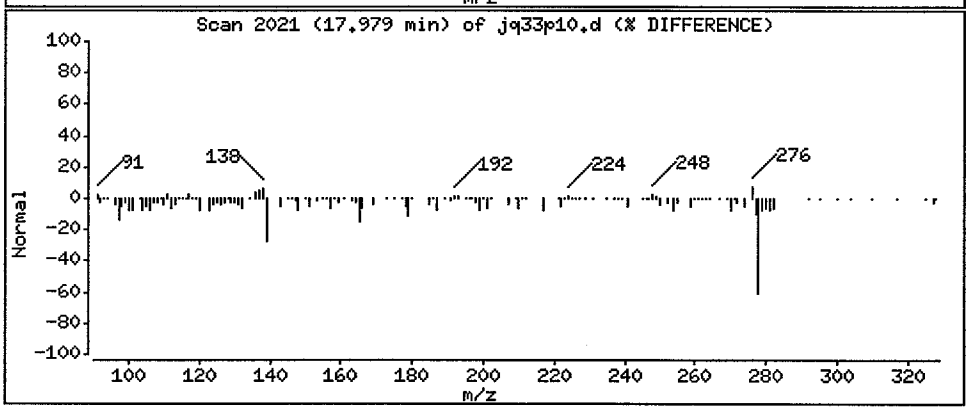
34 Dibenz(a,h)anthracene

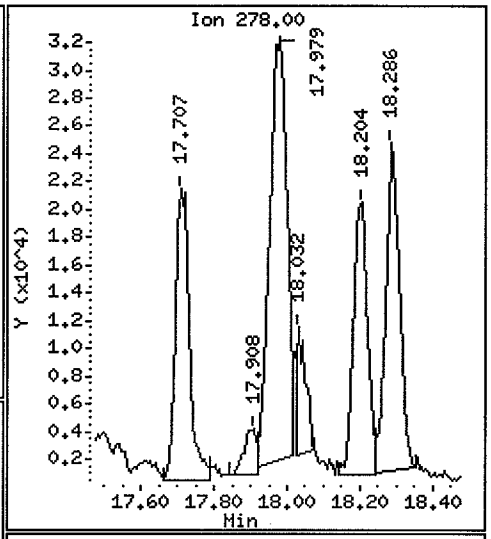
Concentration: 4326 ug/kg

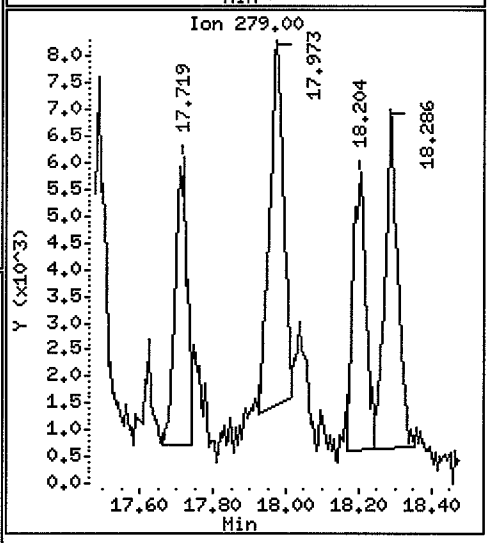












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

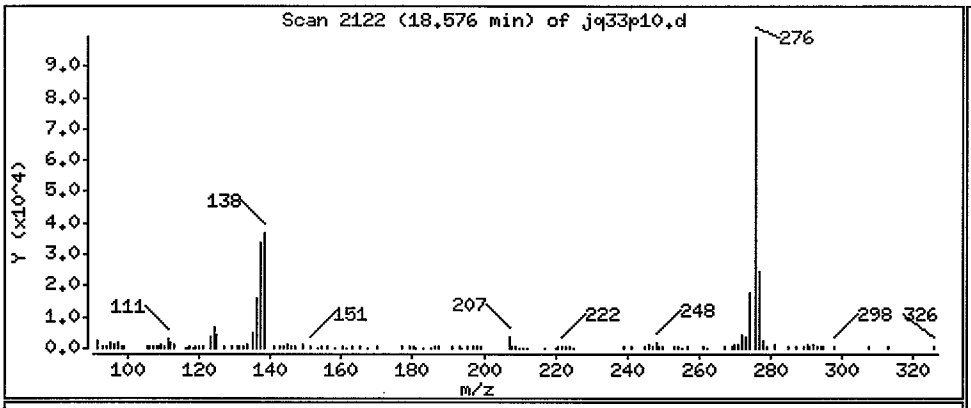
Operator: VTS

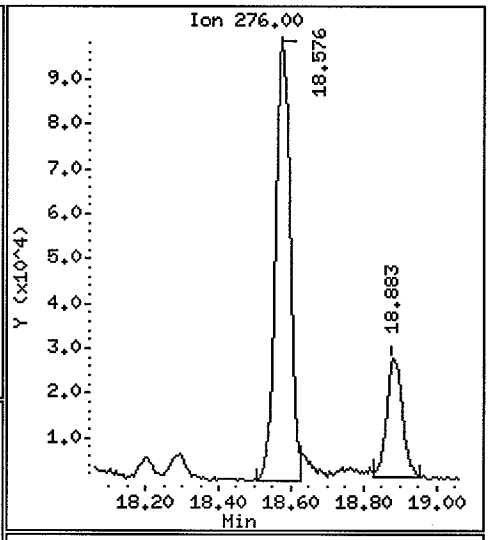
Column phase: ZB-5

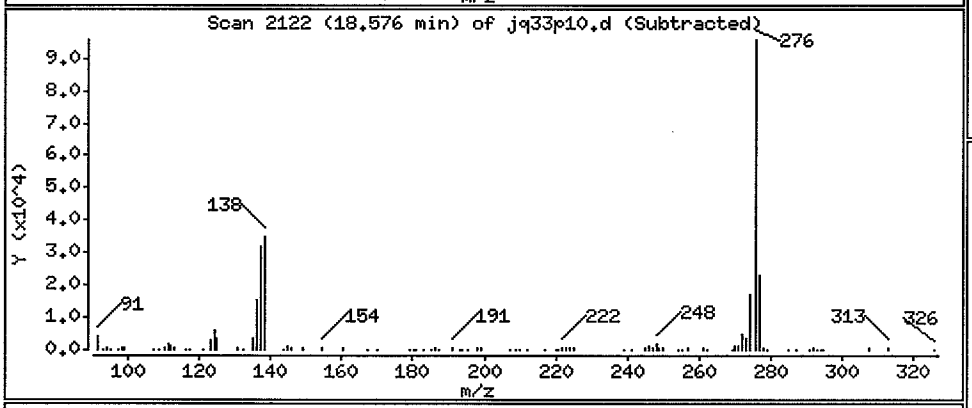
Column diameter: 0.25

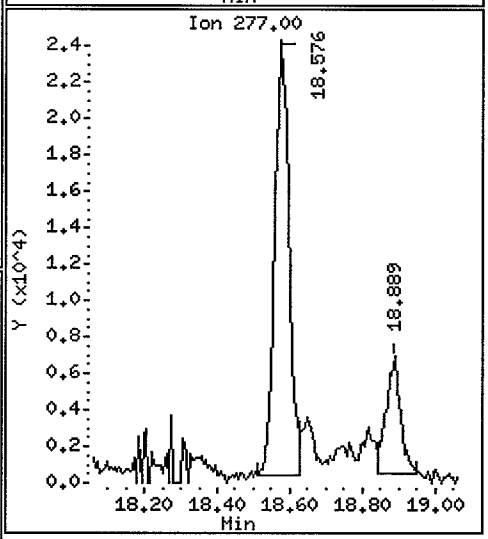
35 Benzo(g,h,i)perylene

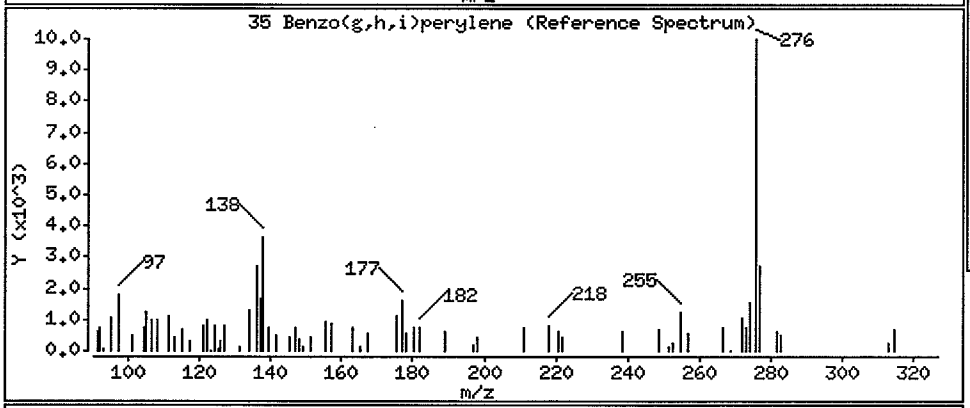
Concentration: 11500 ug/kg

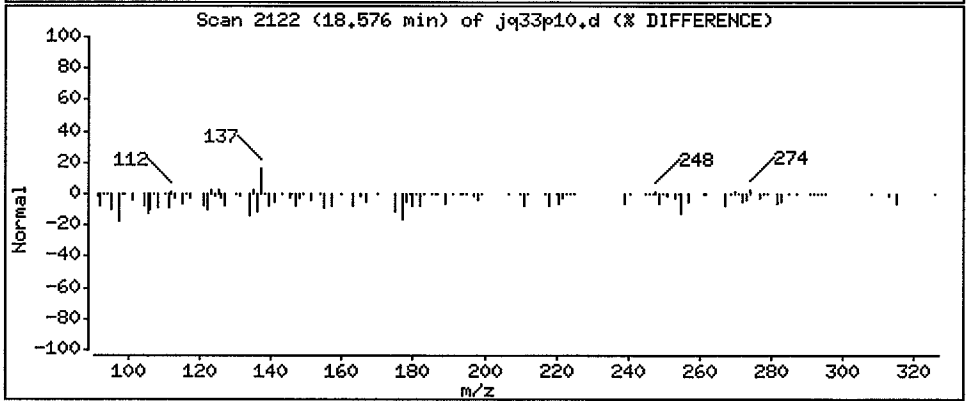












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

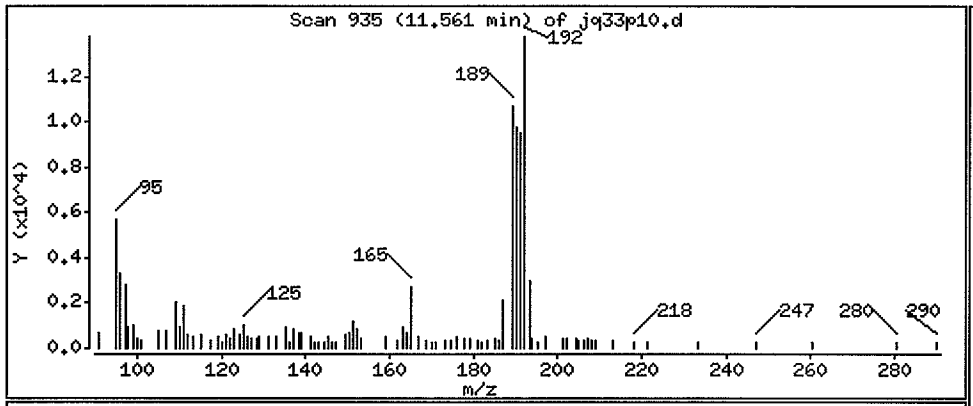
Operator: VTS

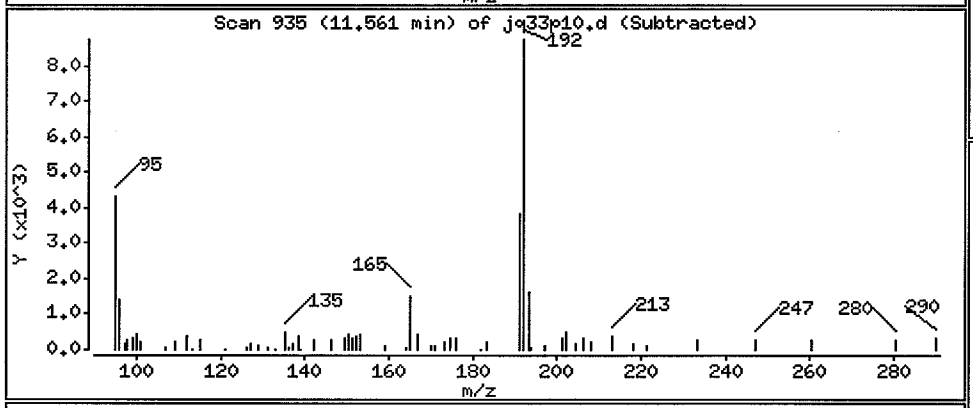
Column phase: ZB-5

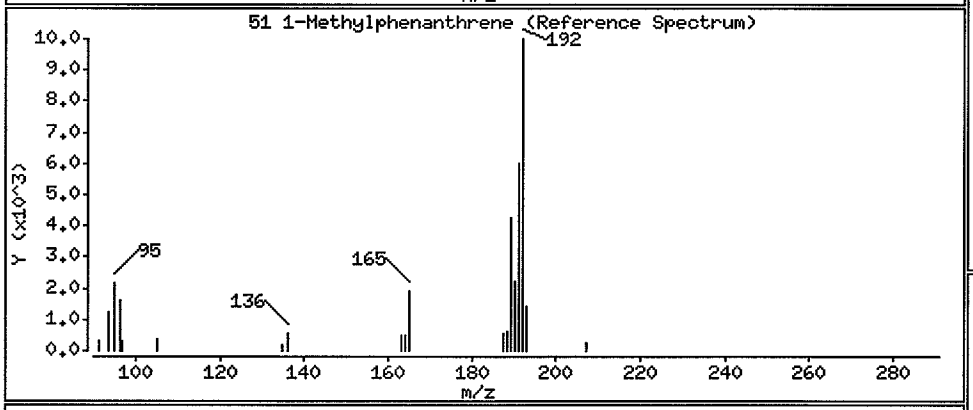
Column diameter: 0.25

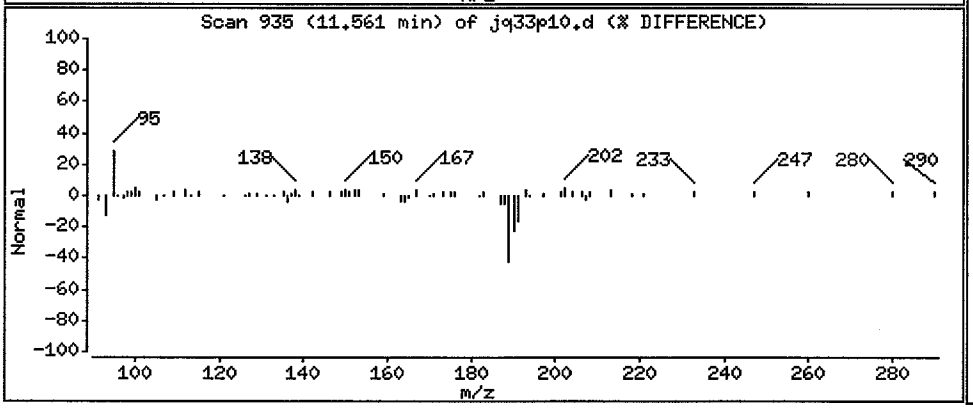
51 1-Methylphenanthrene

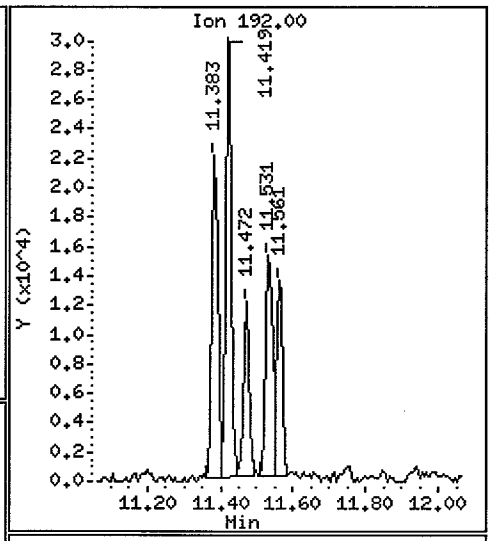
Concentration: 888.0 ug/kg

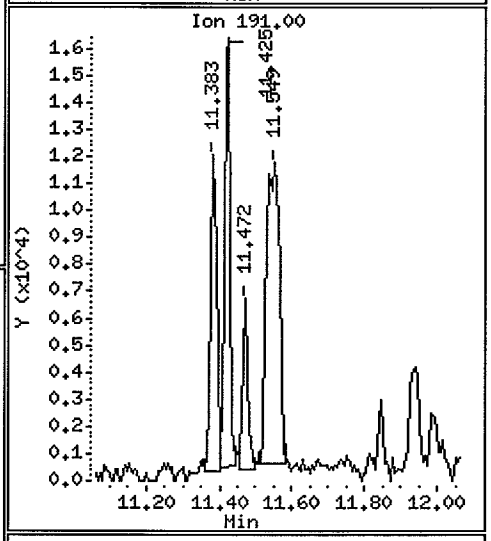


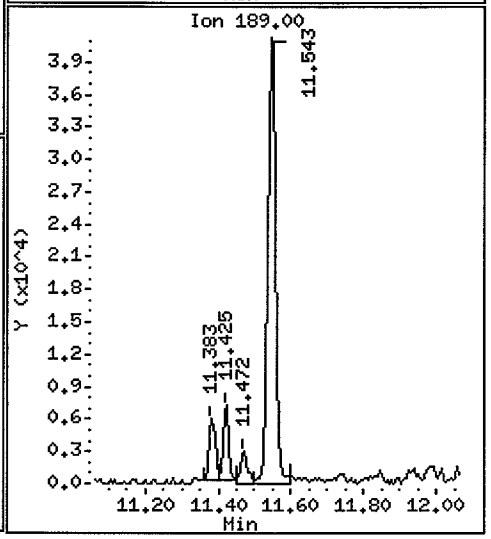












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

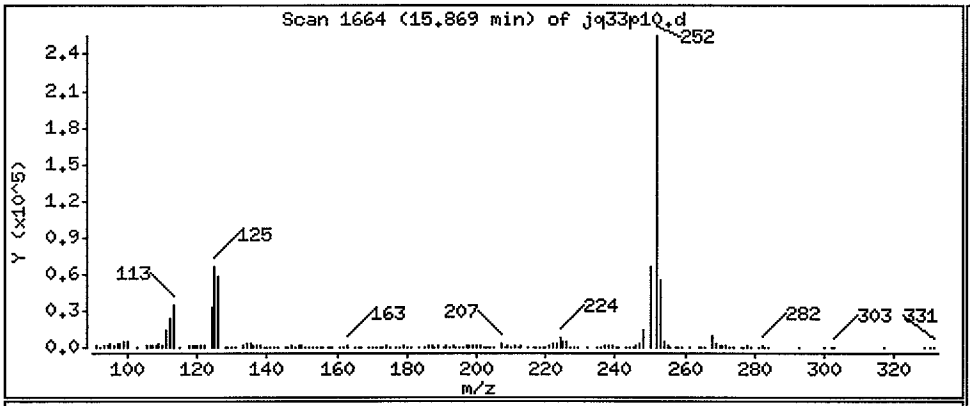
Operator: VTS

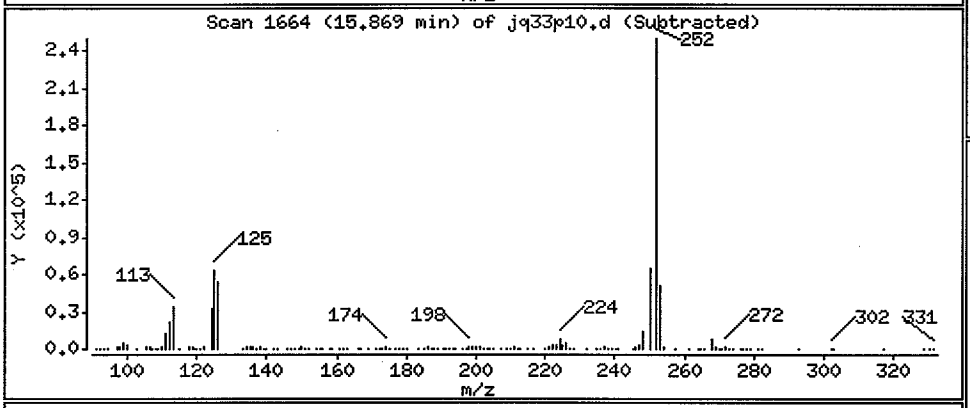
Column phase: ZB-5

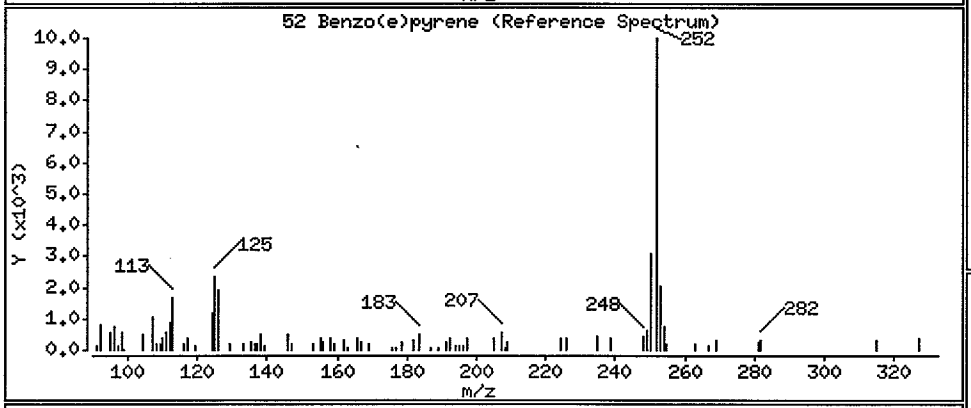
Column diameter: 0.25

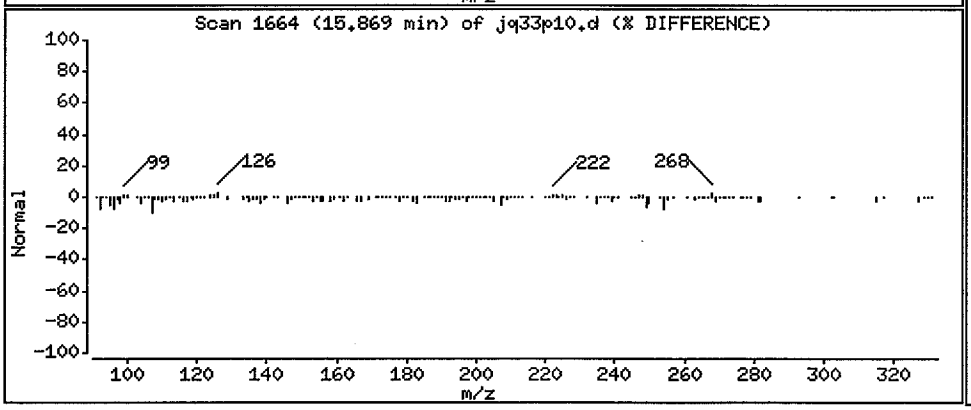
52 Benzo(e)pyrene

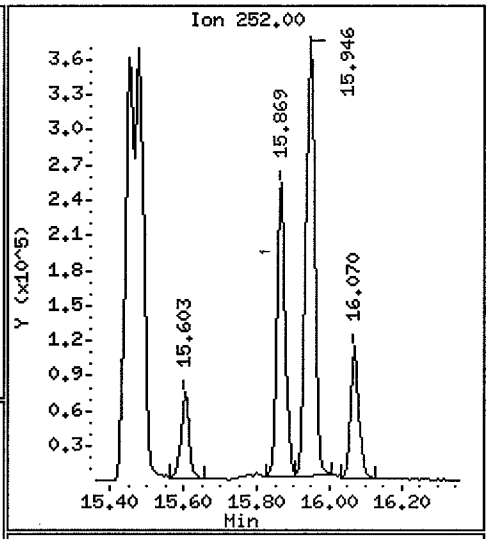
Concentration: 15120 ug/kg

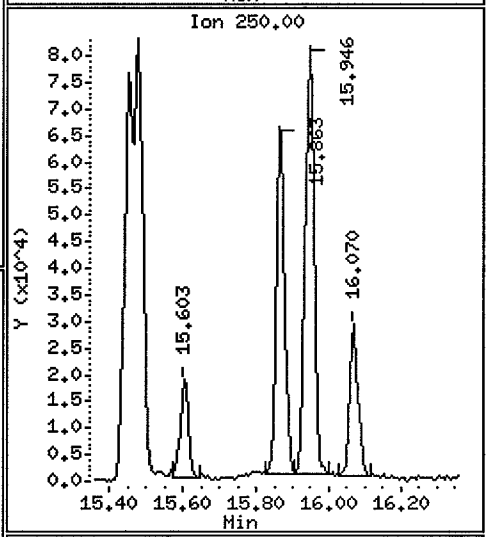


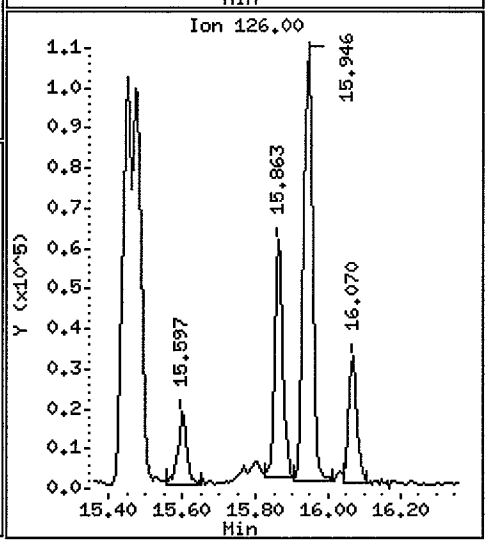












Data File: /chem3/nt1.i/20060804.b/jq33p10.d

Date : 04-AUG-2006 21:33

Client ID: T4-S3-01-G

Instrument: nt1.i

Sample Info: JQ33P,10

Volume Injected (uL): 1.0

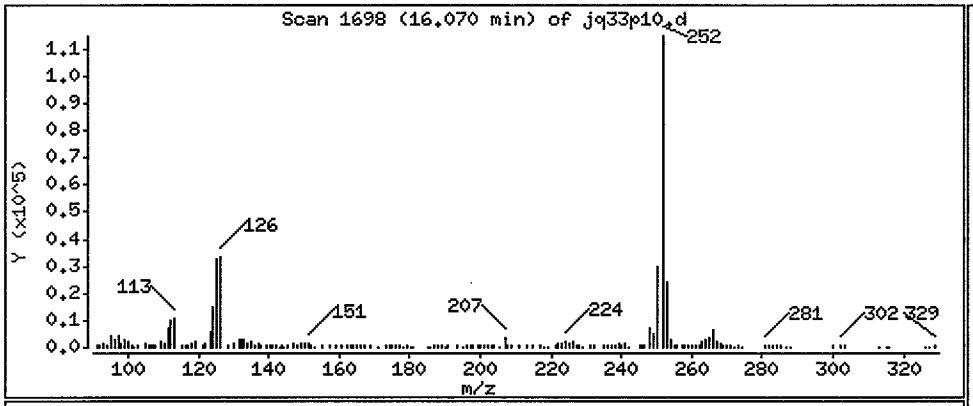
Operator: VTS

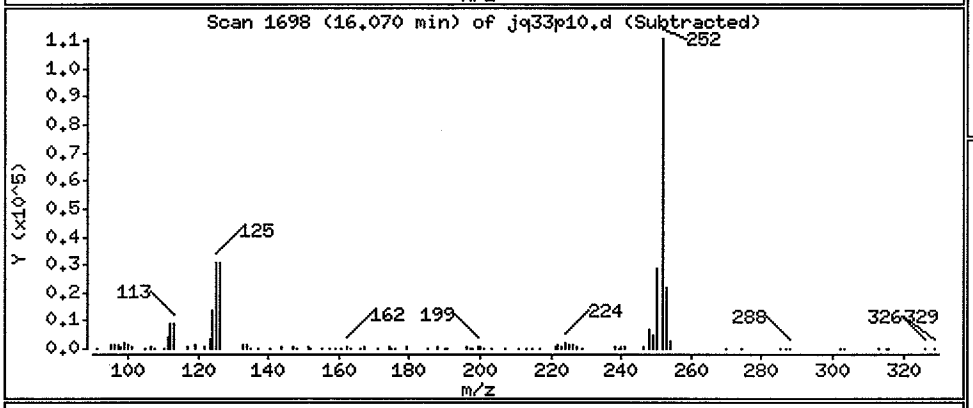
Column phase: ZB-5

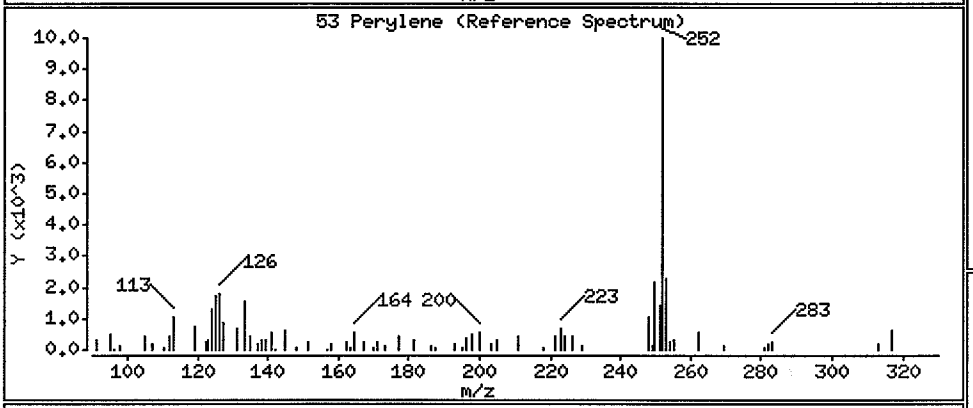
Column diameter: 0.25

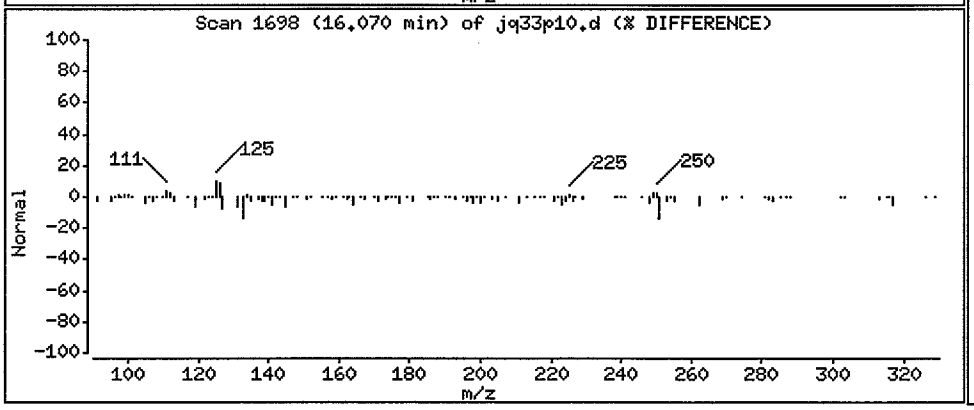
53 Perylene

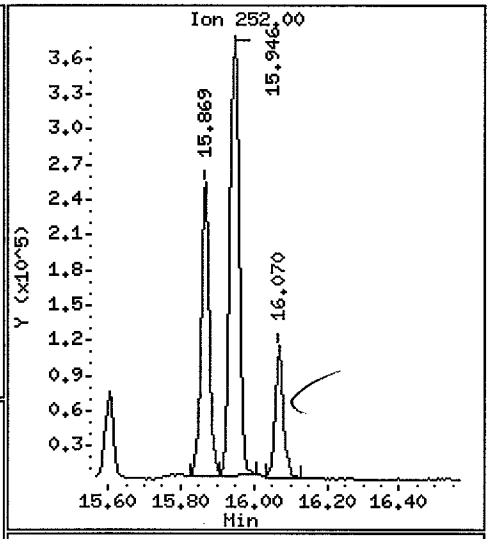
Concentration: 7082 ug/kg

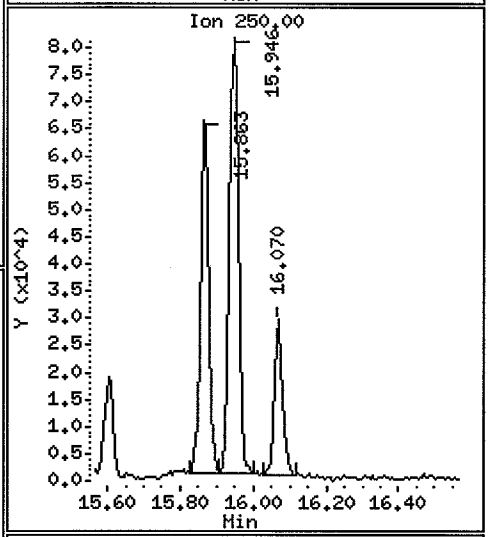


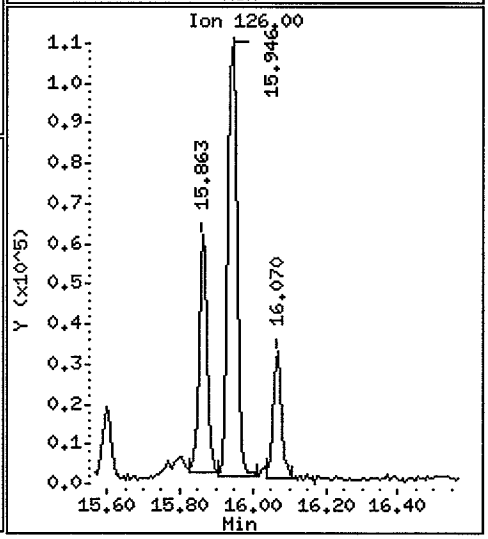












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-01-H
SAMPLE

Lab Sample ID: JQ33Q
LIMS ID: 06-12939
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ33-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/27/06
Date Analyzed: 08/07/06 17:28
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 1.10 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 20.0
Percent Moisture: 45.6%
pH: 7.1

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	**910**	**1,700**	
91-57-6	**2-Methylnaphthalene**	**910**	**1,000**	
90-12-0	**1-Methylnaphthalene**	**910**	**460**	**J**
208-96-8	Acenaphthylene	910	< 910	U
83-32-9	**Acenaphthene**	**910**	**8,700**	
86-73-7	**Fluorene**	**910**	**3,400**	
85-01-8	**Phenanthrene**	**910**	**29,000**	**B**
120-12-7	**Anthracene**	**910**	**6,900**	
206-44-0	**Fluoranthene**	**910**	**64,000**	
129-00-0	**Pyrene**	**910**	**56,000**	
56-55-3	**Benzo(a)anthracene**	**910**	**42,000**	
218-01-9	**Chrysene**	**910**	**49,000**	
205-99-2	**Benzo(b)fluoranthene**	**910**	**51,000**	
207-08-9	**Benzo(k)fluoranthene**	**910**	**50,000**	
50-32-8	**Benzo(a)pyrene**	**910**	**57,000**	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**910**	**28,000**	
53-70-3	**Dibenz(a,h)anthracene**	**910**	**9,900**	
191-24-2	**Benzo(g,h,i)perylene**	**910**	**29,000**	
198-55-0	**Perylene**	**910**	**15,000**	
92-52-4	Biphenyl	910	< 910	U
581-42-0	2,6-Dimethylnaphthalene	910	< 910	U
832-69-9	**1-Methylphenanthrene**	**910**	**2,000**	
192-97-2	**Benzo(e)pyrene**	**910**	**32,000**	
2245-38-7	2,3,5-Trimethylnaphthalene	910	< 910	U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	64.0%
d14-Dibenzo(a,h)anthracen	91.3%

YZ 8/8/2006

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq33q.d
Lab Smp Id: JQ33Q Client Smp ID: T4-S3-01-H
Inj Date : 07-AUG-2006 17:28
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33Q,20
Misc Info : 06-12939
Comment : 1ul Injection
Method : /chem3/nt1.i/20060807.b/simpna.m
Meth Date : 07-Aug-2006 11:35 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 16
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	20.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	2.02000	Weight of sample extracted (g)
M	45.60000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.891	6.891	(1.000)	236820	2.00000	
	2 Naphthalene	128	6.915	6.915	(1.003)	22563	0.19101	1738
$	3 2-Methylnaphthalene-d10	152	7.647	7.648	(1.110)	5841	0.09576	871.4
	4 2-Methylnaphthalene	142	7.689	7.683	(1.116)	7361	0.10523	957.6
	5 1-Methylnaphthalene	142	7.819	7.813	(1.135)	3919	0.05341	486.0
	7 Acenaphthylene	152	Compound Not Detected.					
*	8 Acenaphthene-d10	164	8.953	8.954	(1.000)	130040	2.00000	
	9 Acenaphthene	153	8.995	8.989	(1.005)	61136	0.95747	8713
	10 Dibenzofuran	168	9.178	9.178	(1.025)	11906	0.12659	1152
	11 Fluorene	166	9.604	9.604	(1.073)	27493	0.37549	3417
*	15 Phenanthrene-d10	188	10.768	10.762	(1.000)	209660	2.00000	
	16 Phenanthrene	178	10.797	10.792	(1.003)	342177	3.17964 B	28940
	17 Anthracene	178	10.851	10.851	(1.008)	81503	0.75786	6897
	19 Fluoranthene	202	12.293	12.287	(1.142)	776304	7.07243	64360

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	20 Pyrene	202	12.576	12.577	(0.893)	757513	6.15258	55990
	22 Benzo(a)anthracene	228	14.060	14.054	(0.998)	534739	4.63128	42150
*	23 Chrysene-d12	240	14.083	14.078	(1.000)	191739	2.00000	
	24 Chrysene	228	14.113	14.107	(1.002)	572237	5.37325	48900
	28 Benzo(b)fluoranthene	252	15.461	15.455	(0.964)	613892	5.58480	50820
	29 Benzo(k)fluoranthene	252	15.490	15.484	(0.966)	642756	5.48486	49910
	30 Benzo(a)pyrene	252	15.957	15.951	(0.995)	671812	6.27227	57080
*	31 Perylene-d12	264	16.040	16.034	(1.000)	194767	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	18.014	18.002	(1.123)	380593	3.08987	28120
$	32 Dibenz(a,h)anthrancene-d14	292	17.925	17.931	(1.118)	10200	0.13685	1245
	34 Dibenz(a,h)anthracene	278	17.996	17.996	(1.122)	110032	1.09349	9951
	35 Benzo(g,h,i)perylene	276	18.593	18.581	(1.159)	329569	3.21878	29290
	48 Biphenyl	154	Compound Not Detected.					
	49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
	50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
	51 1-Methylphenanthrene	192	11.572	11.566	(0.822)	17092	0.21777	1982
	52 Benzo(e)pyrene	252	15.874	15.869	(0.990)	420331	3.54530	32260
	53 Perylene	252	16.081	16.075	(1.003)	188270	1.69126	15390

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33q.d
Lab Smp Id: JQ33Q
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12939

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-01-H
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	236820	2.50
8 Acenaphthene-d10	129131	64566	258262	130040	0.70
15 Phenanthrene-d10	212850	106425	425700	209660	-1.50
23 Chrysene-d12	190817	95408	381634	191739	0.48
31 Perylene-d12	197592	98796	395184	194767	-1.43

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.89	6.39	7.39	6.89	0.00
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	0.00
15 Phenanthrene-d10	10.76	10.26	11.26	10.77	0.05
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.04
31 Perylene-d12	16.03	15.53	16.53	16.04	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

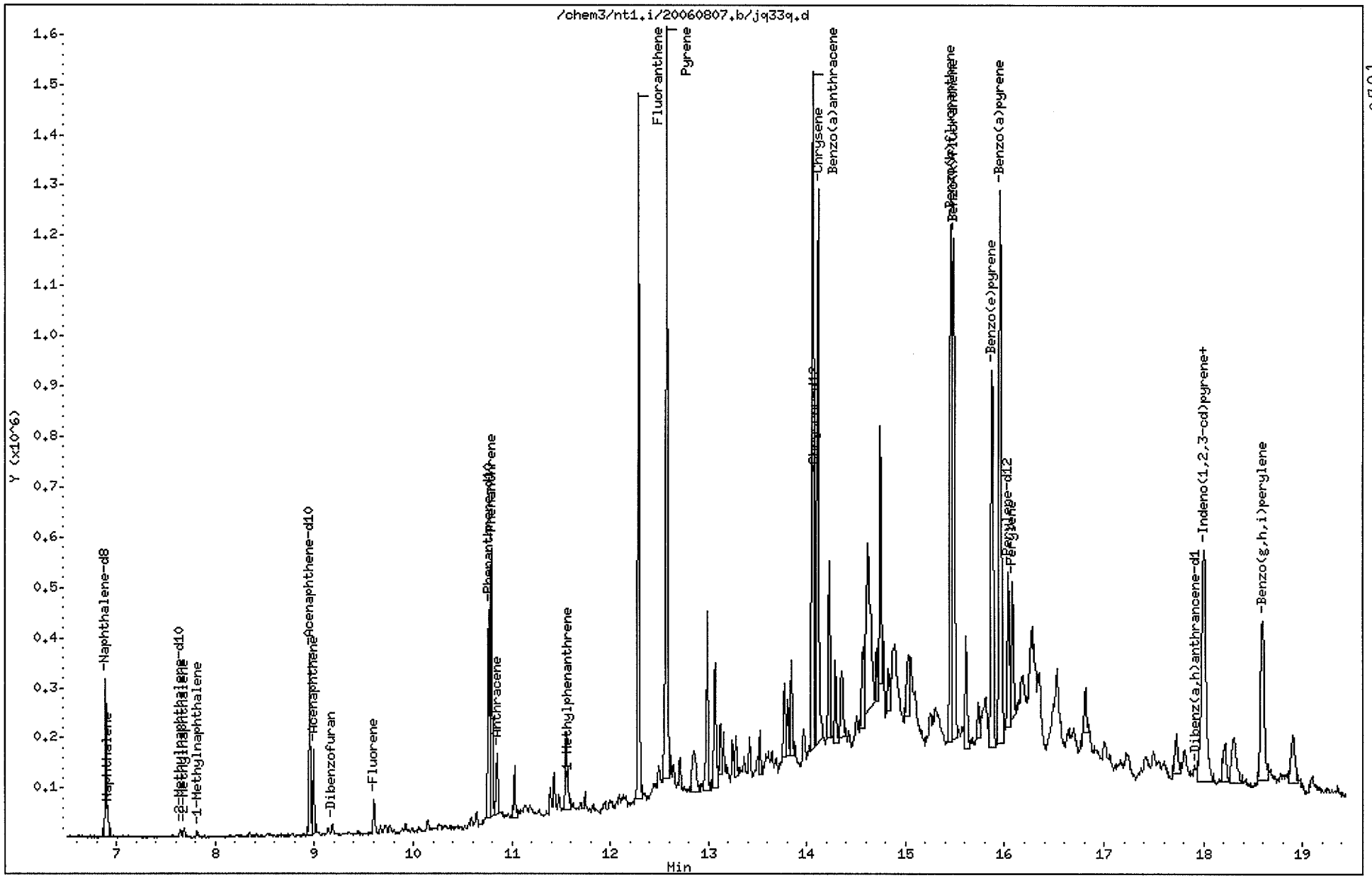
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33Q
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12939

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-S3-01-H
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	1365	871.4	63.84	32-97
$ 32 Dibenz(a,h)anthran	1365	1245	91.23	21-105

Data File: /chem3/nt1.i/20060807.b/jq33q.d
Date : 07-AUG-2006 17:28
Client ID: T4-S3-01-H
Sample Info: JQ33Q,20
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



0701

Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

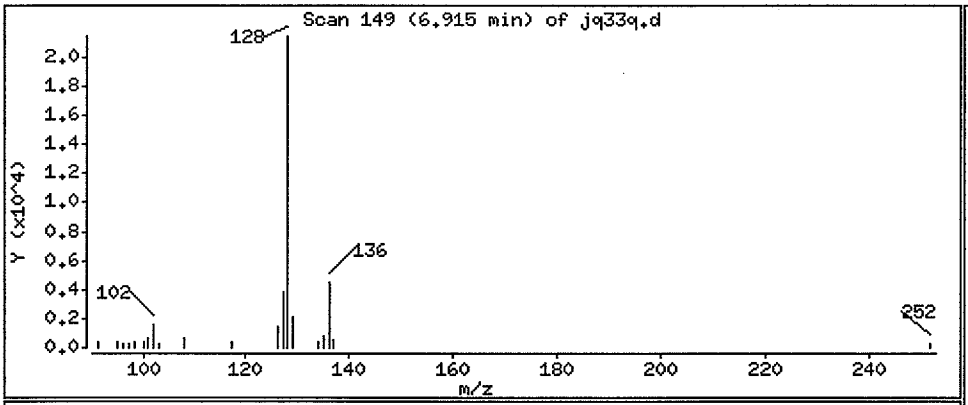
Operator: VTS

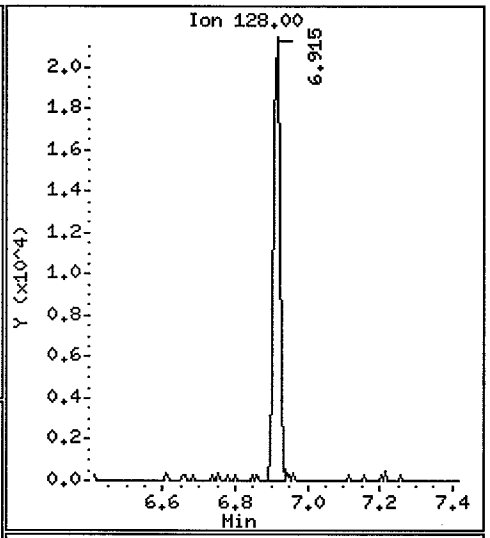
Column phase: ZB-5

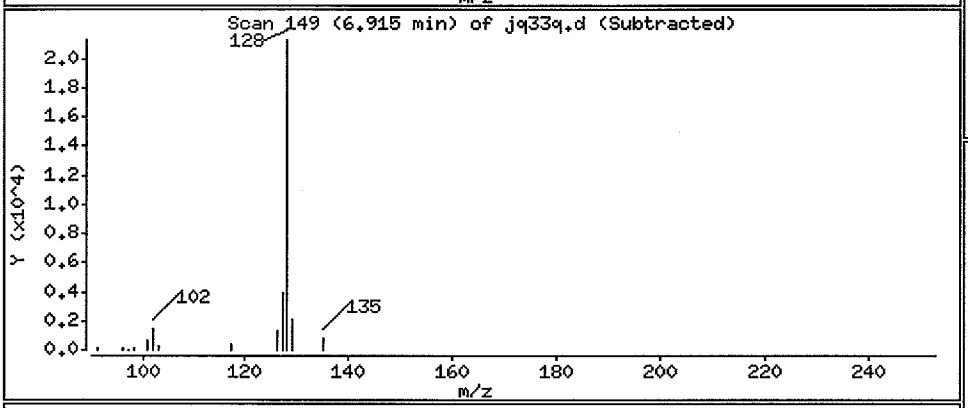
Column diameter: 0.25

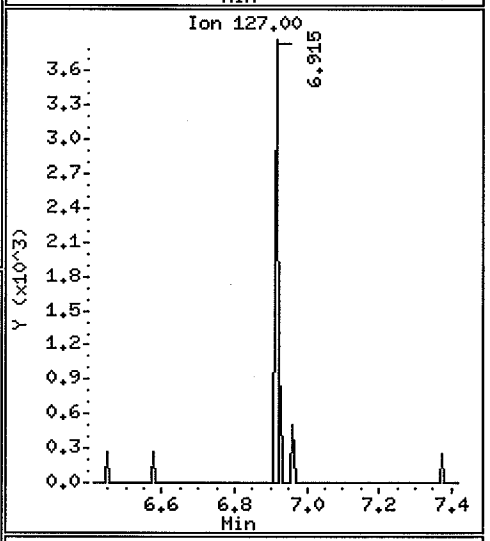
2 Naphthalene

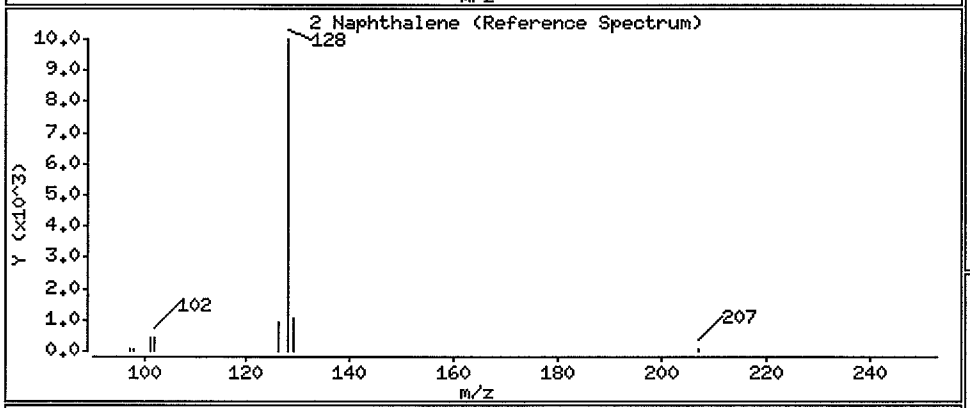
Concentration: 1738 ug/kg

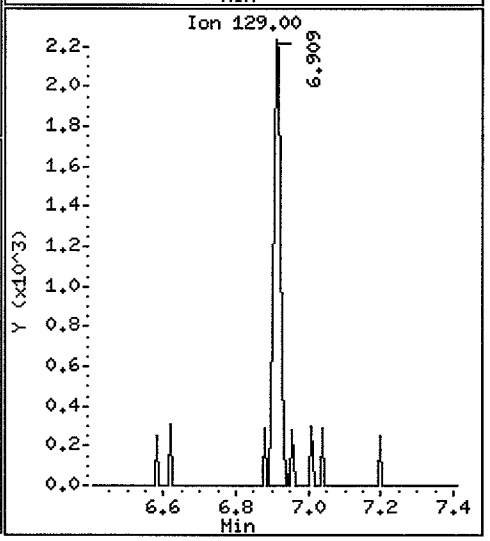


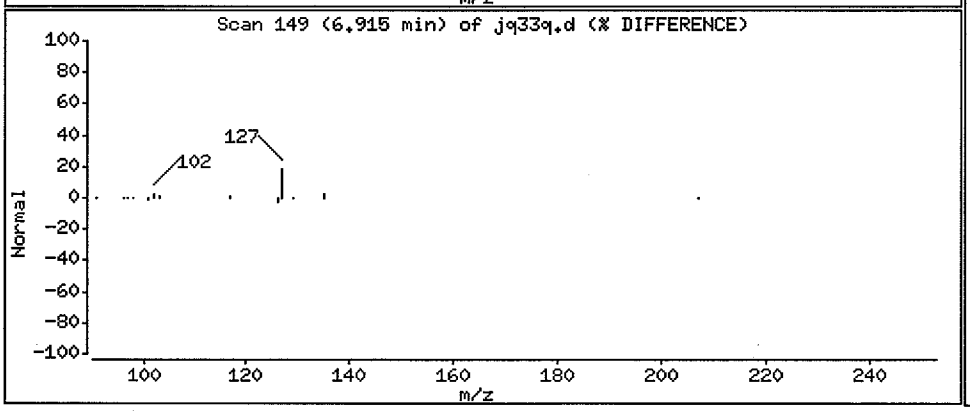












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

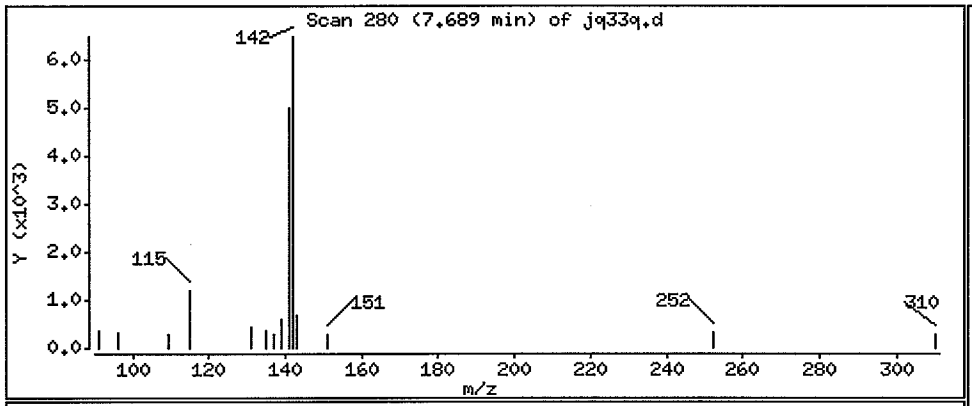
Operator: VTS

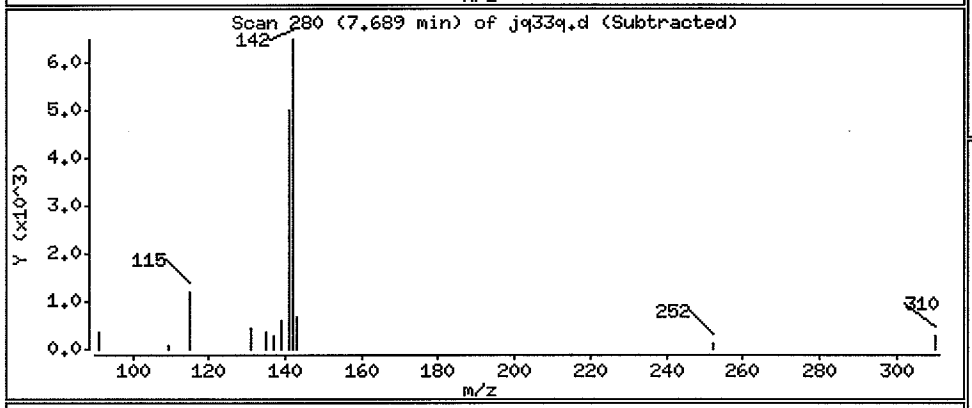
Column phase: ZB-5

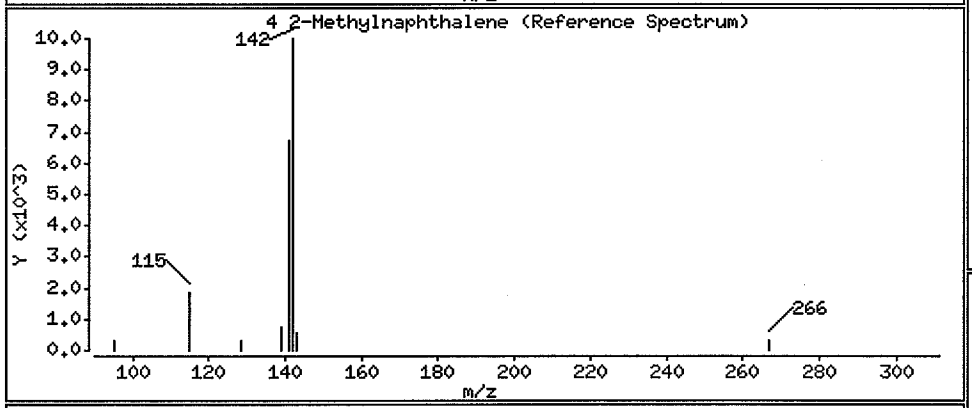
Column diameter: 0.25

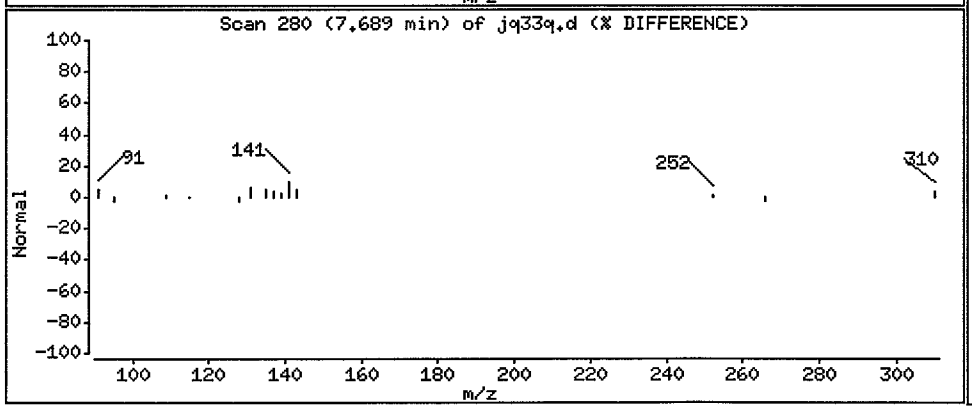
4 2-Methylnaphthalene

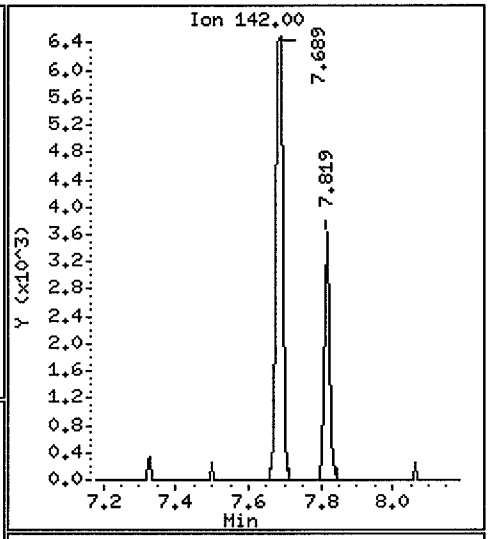
Concentration: 957.6 ug/kg

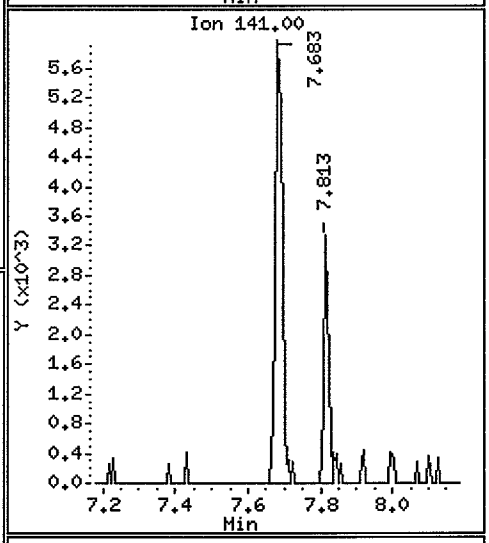


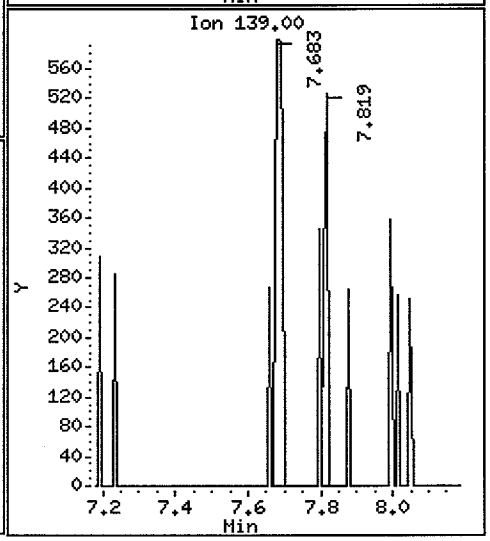












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

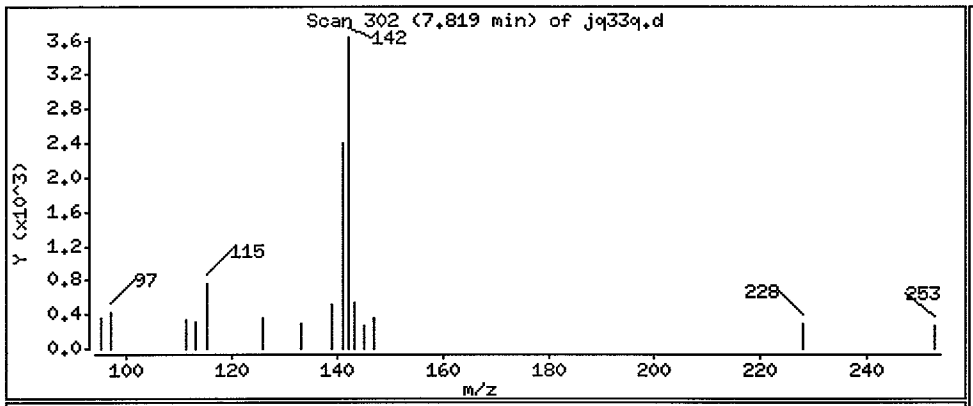
Operator: VTS

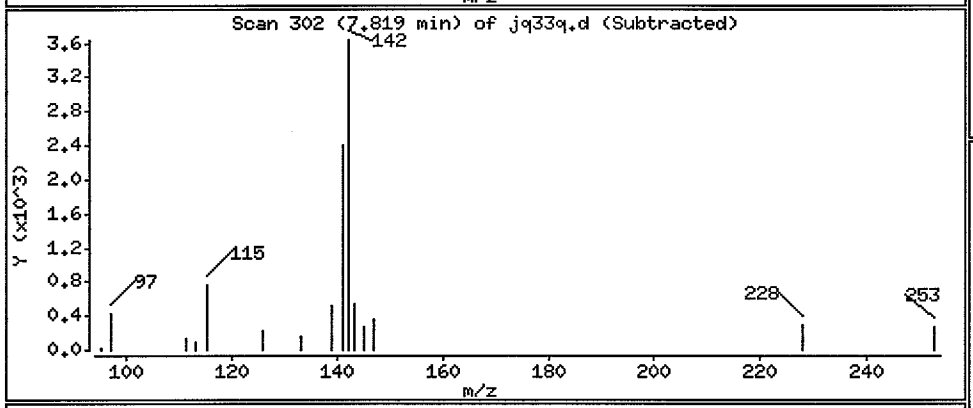
Column phase: ZB-5

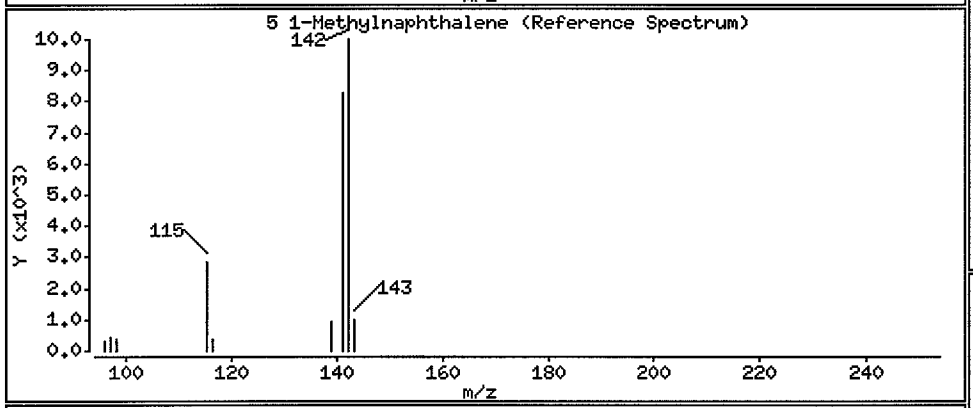
Column diameter: 0.25

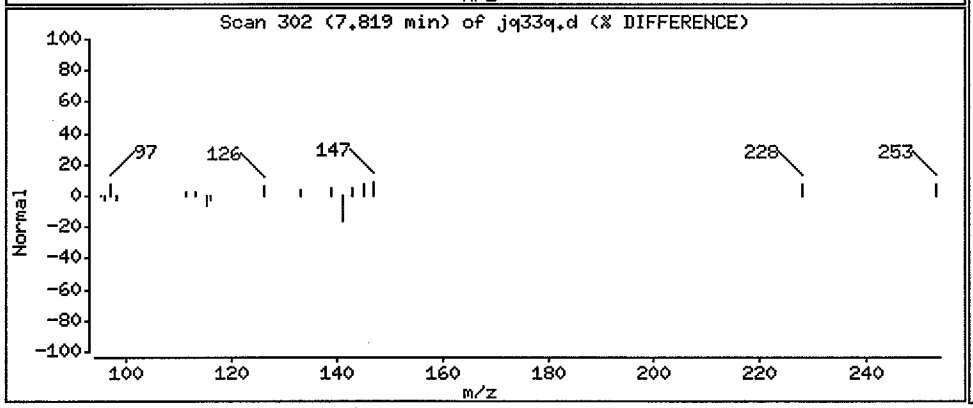
5 1-Methylnaphthalene

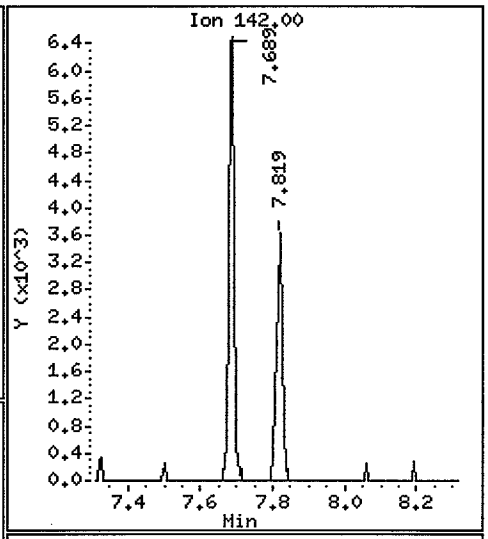
Concentration: 486.0 ug/kg

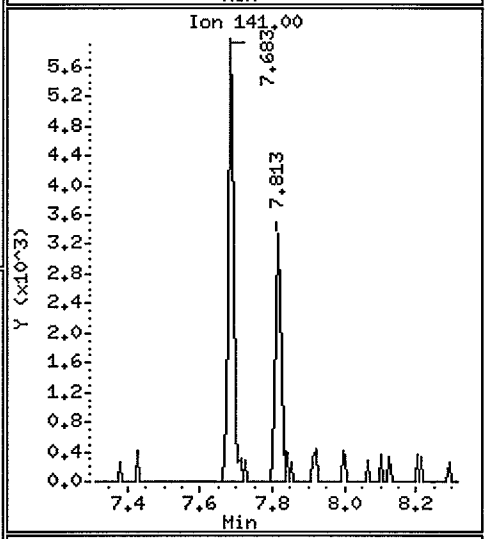


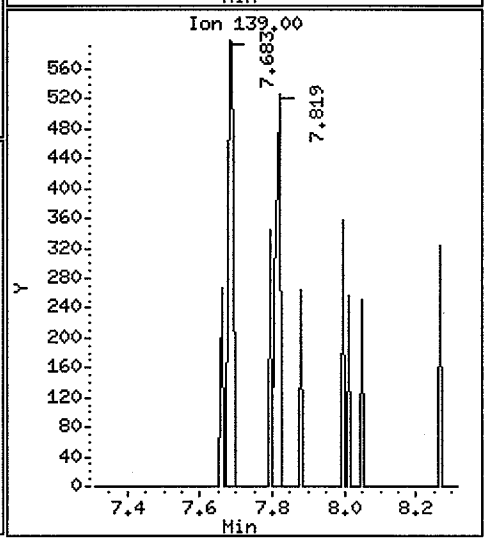












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

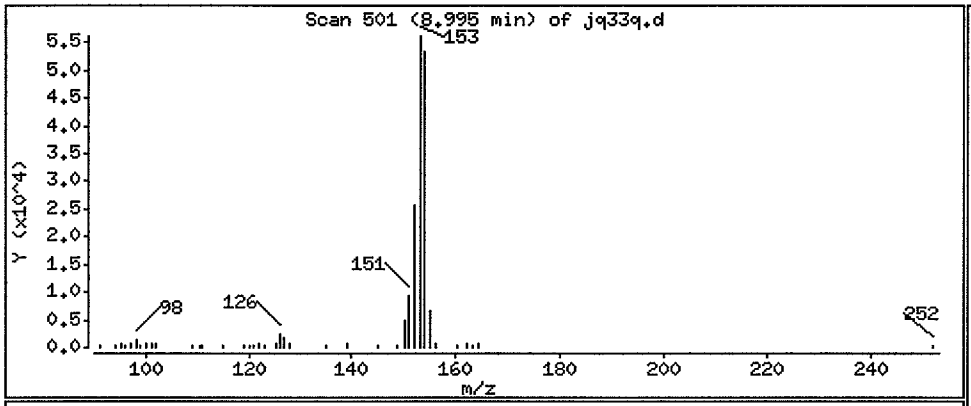
Operator: VTS

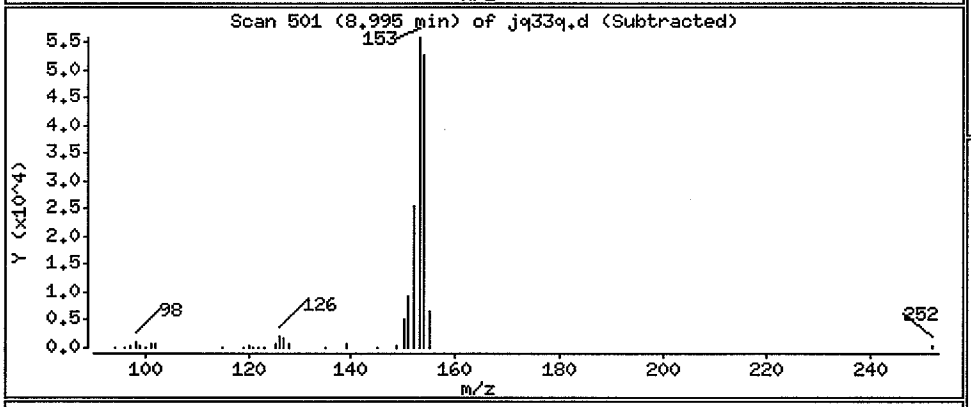
Column phase: ZB-5

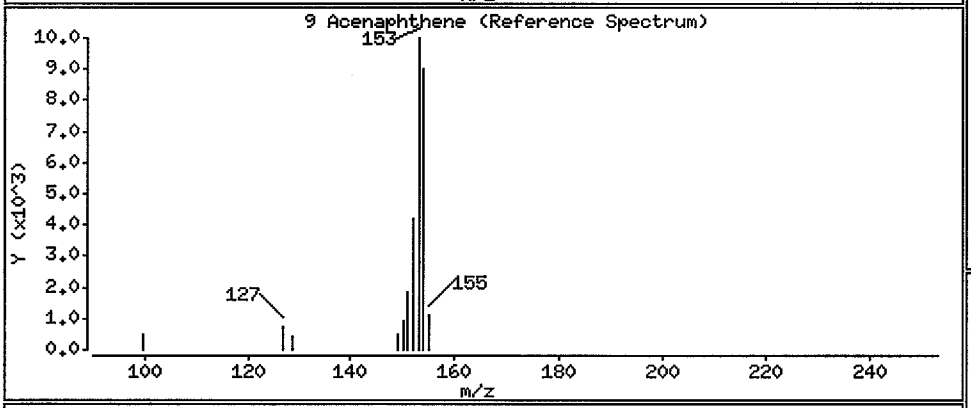
Column diameter: 0.25

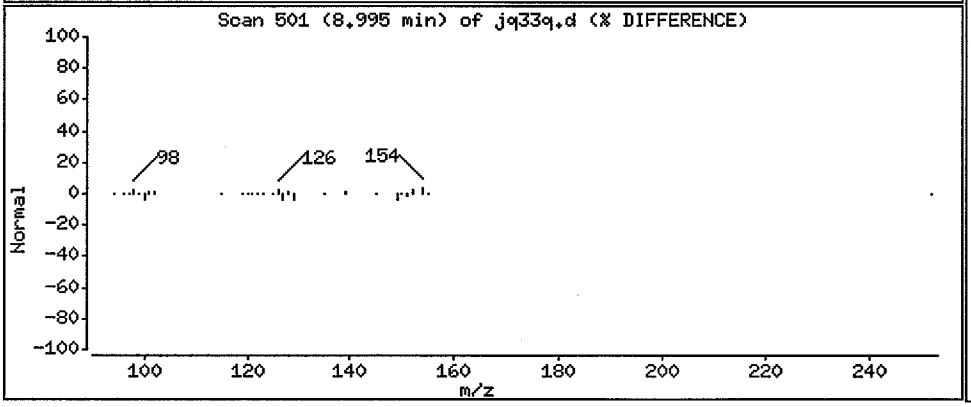
9 Acenaphthene

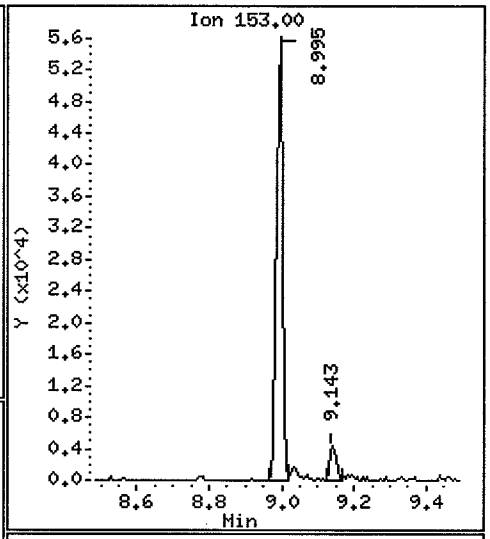
Concentration: 8713 ug/kg

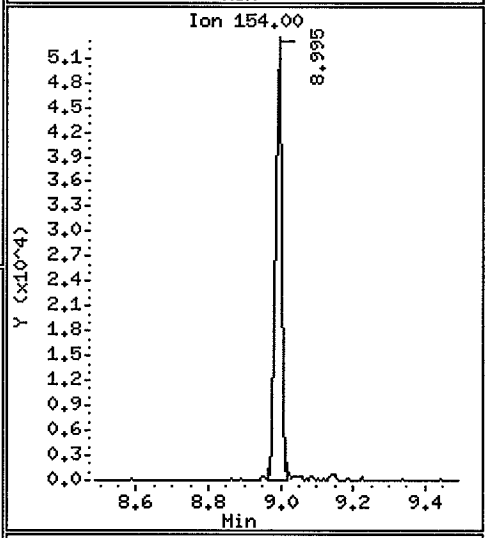


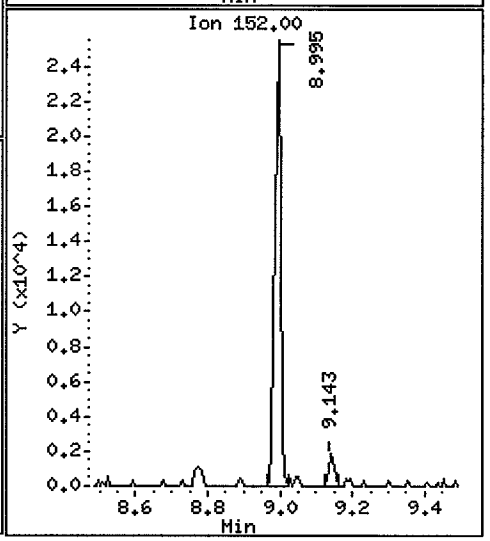












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

Operator: VTS

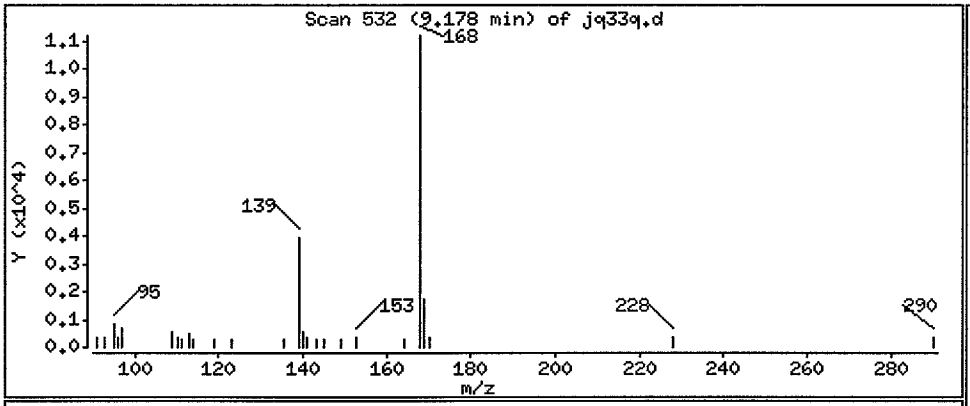
Column phase: ZB-5

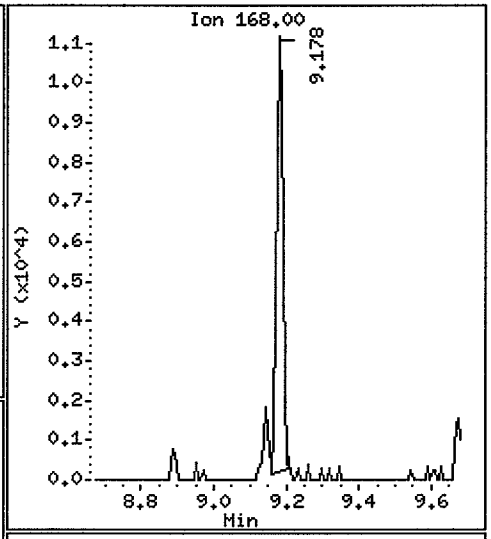
Column diameter: 0.25

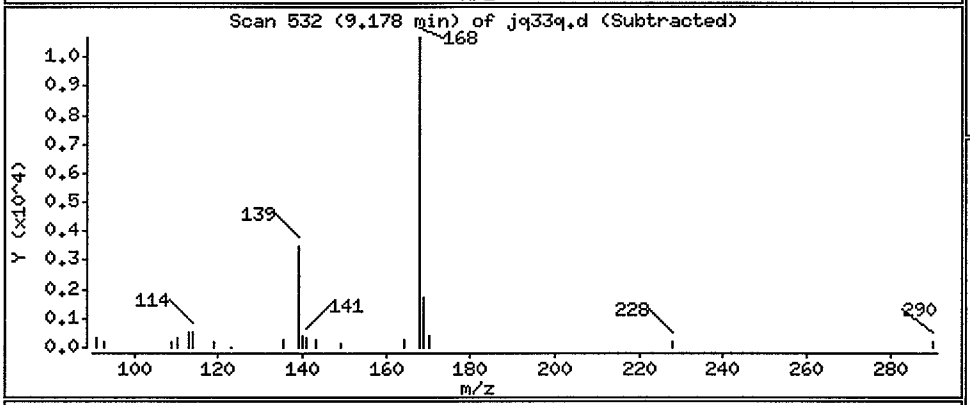
10 Dibenzofuran

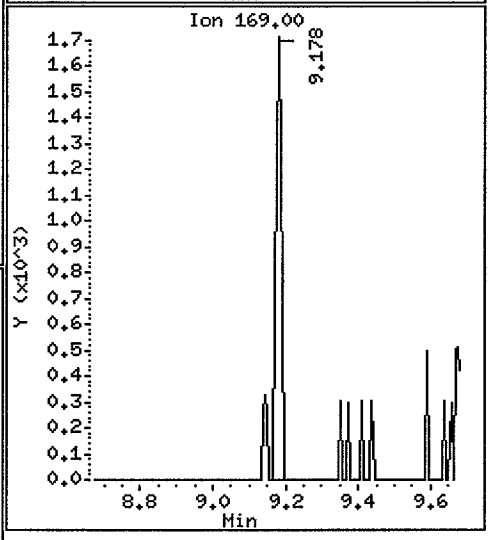
Concentration: 1152 ug/kg

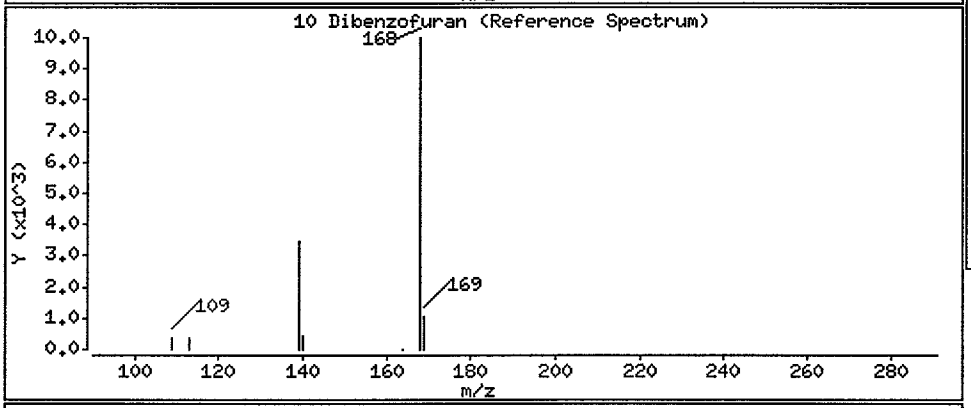
WR 9

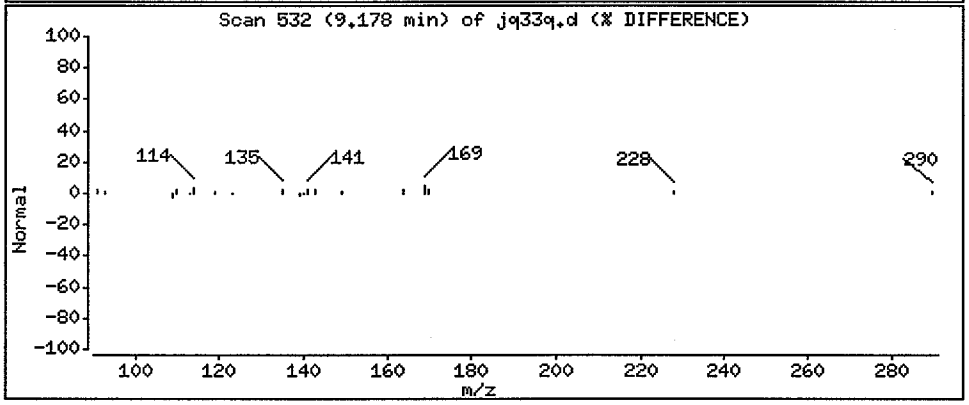












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

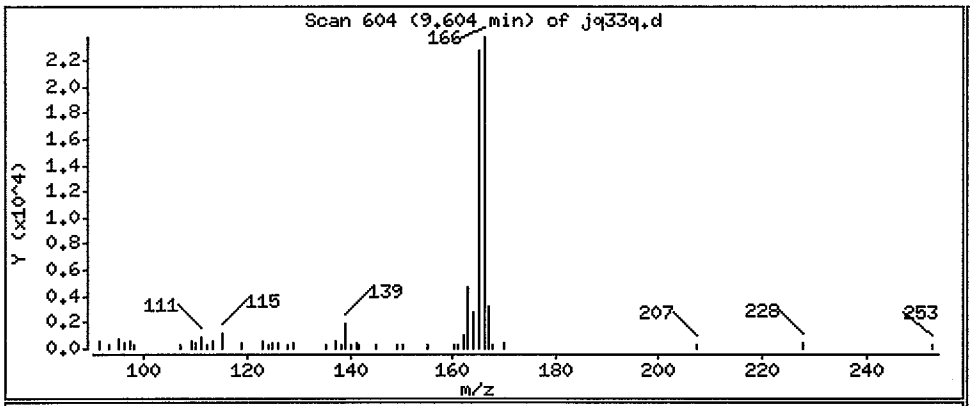
Operator: VTS

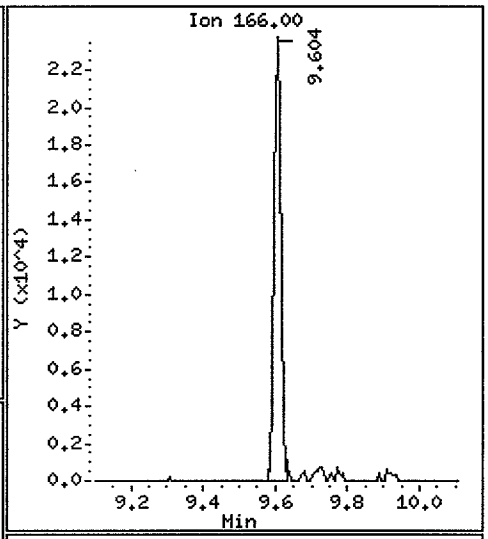
Column phase: ZB-5

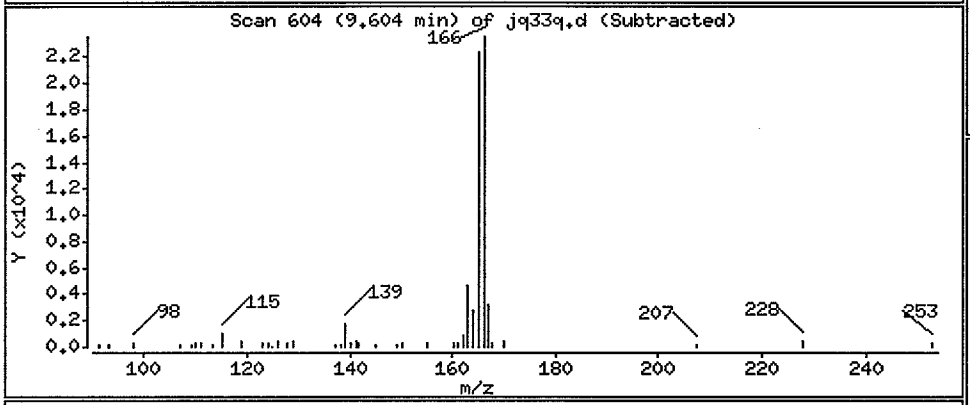
Column diameter: 0.25

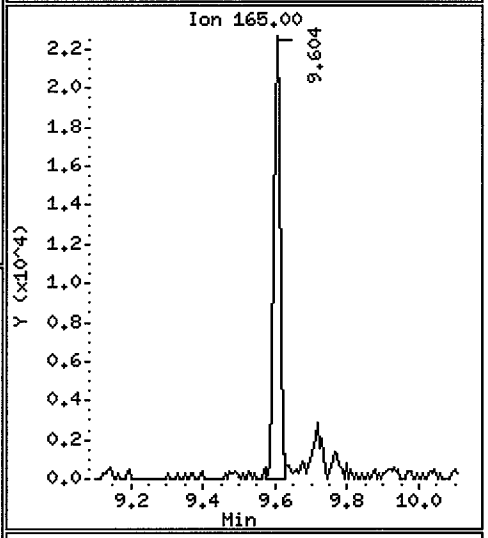
11 Fluorene

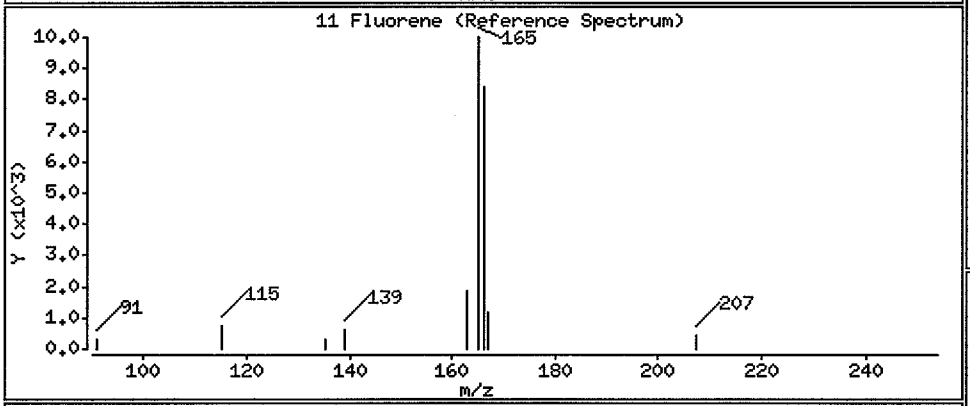
Concentration: 3417 ug/kg

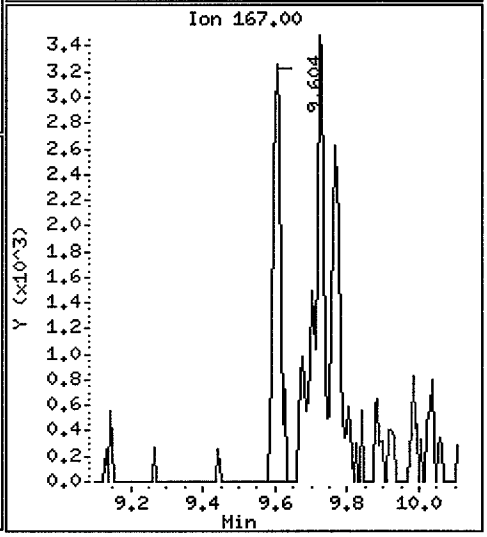


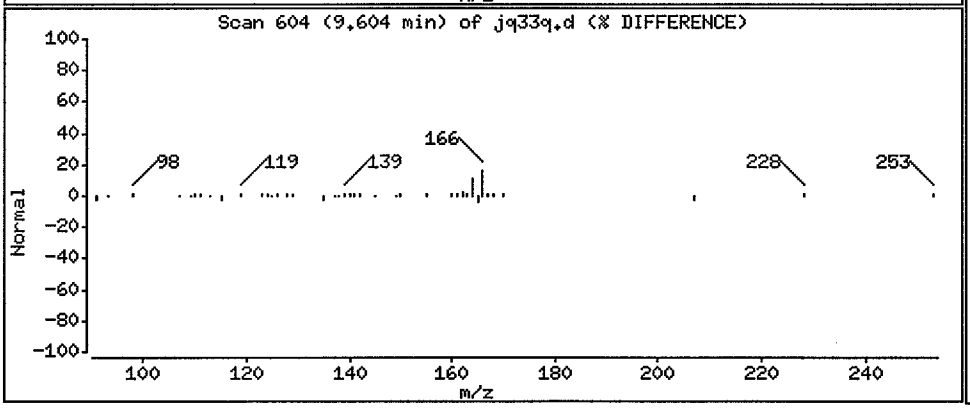












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

Operator: VTS

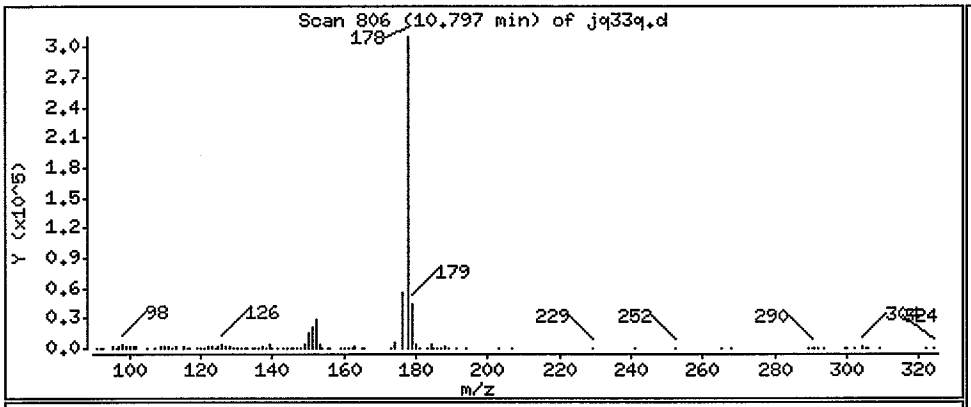
Column phase: ZB-5

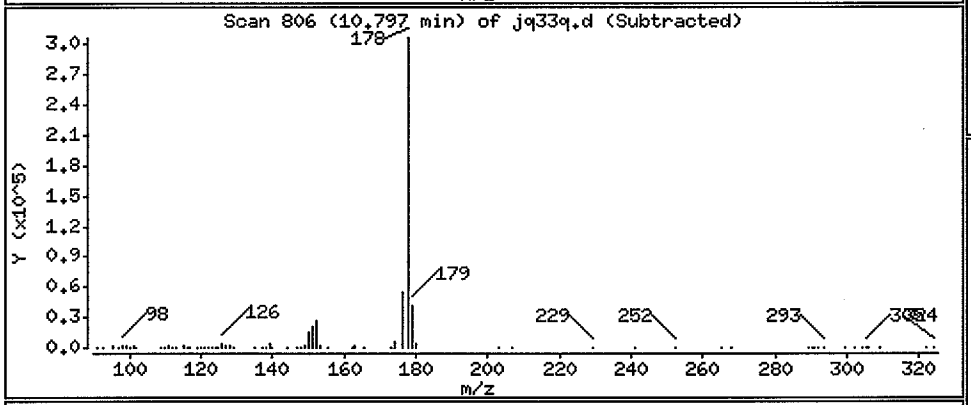
Column diameter: 0.25

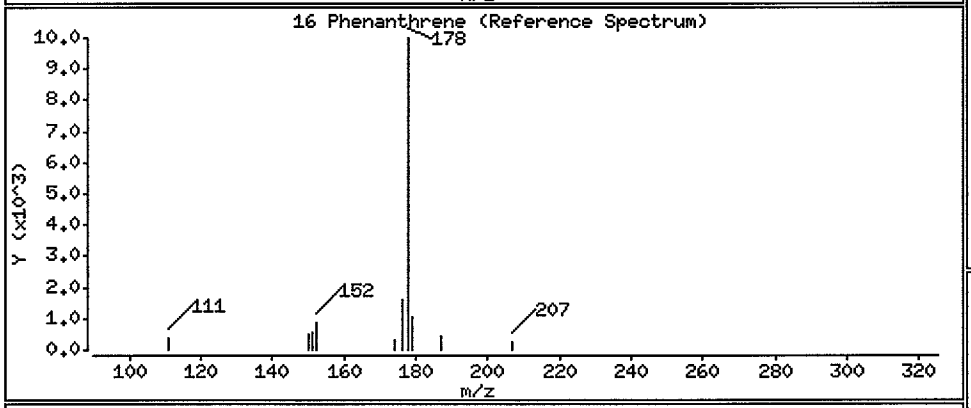
16 Phenanthrene

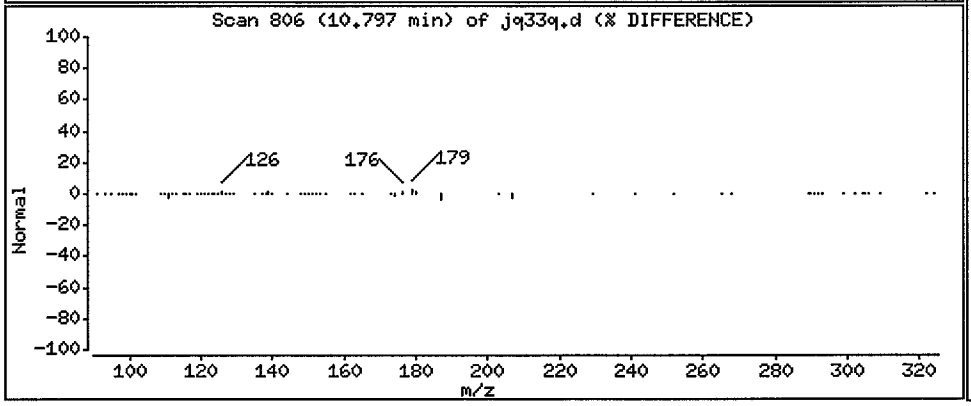
Concentration: 28940 ug/kg

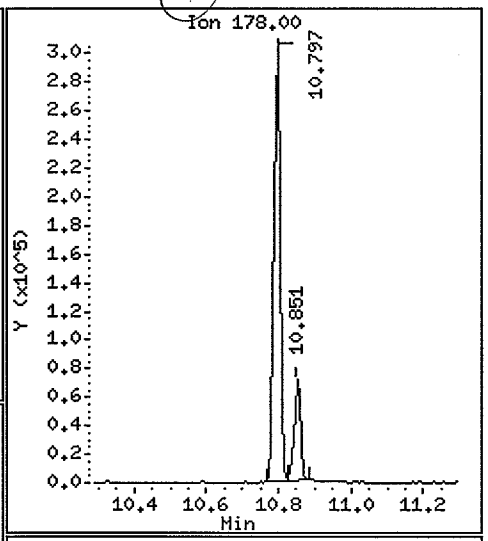
IS

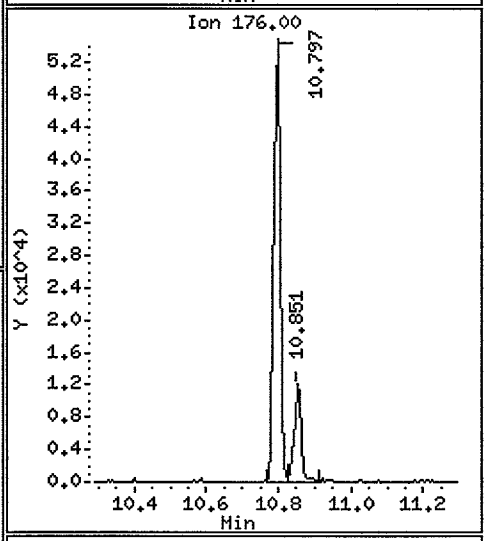


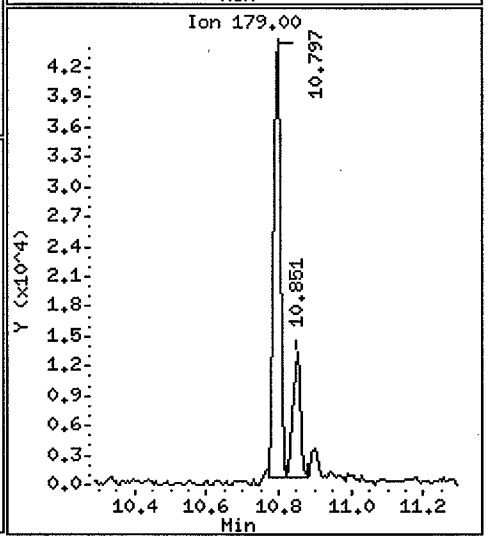












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

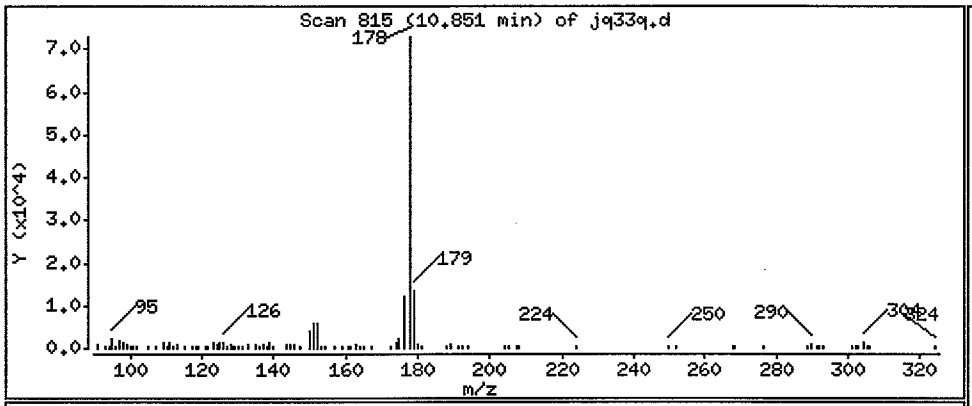
Operator: VTS

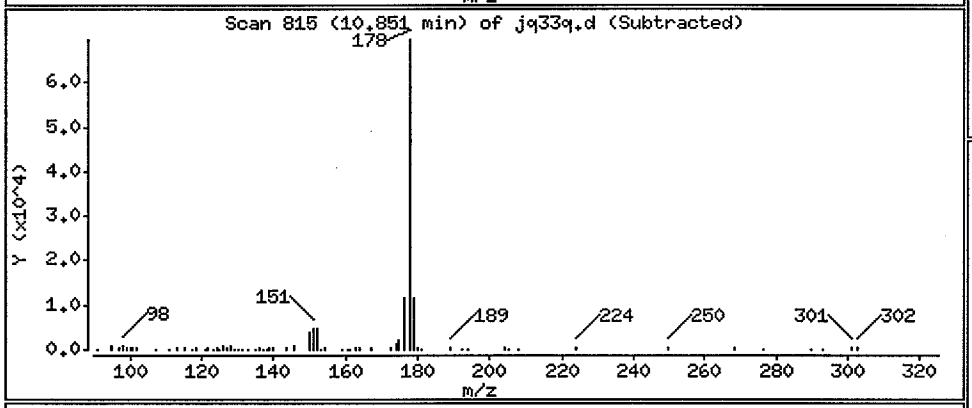
Column phase: ZB-5

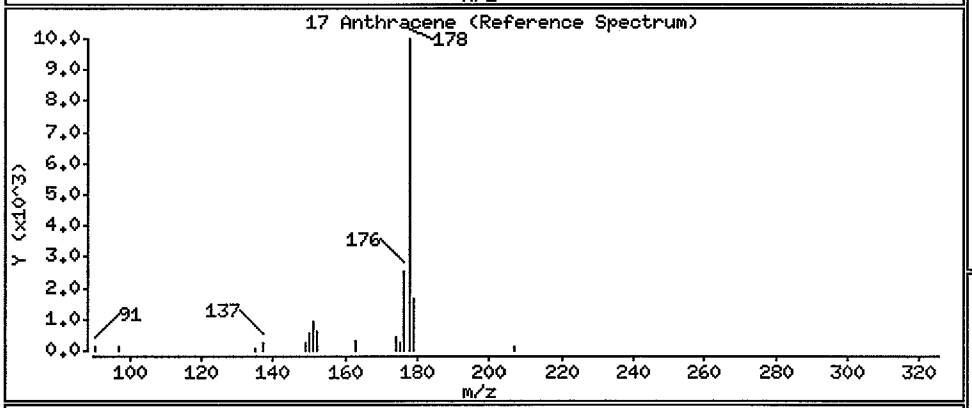
Column diameter: 0.25

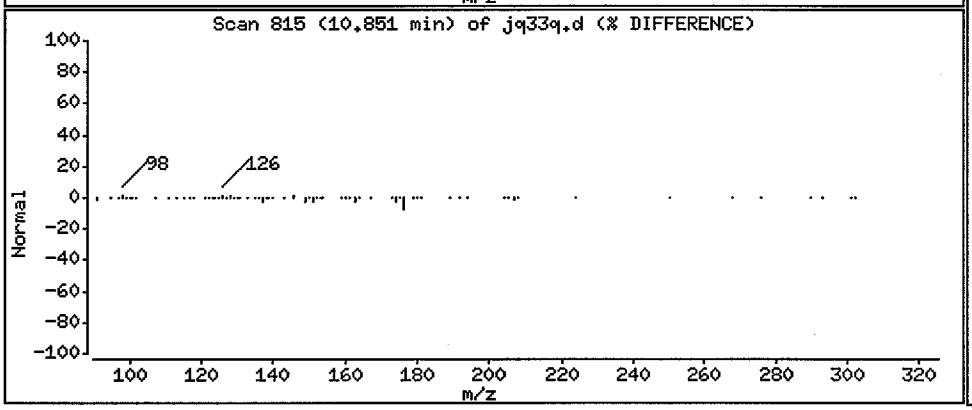
17 Anthracene

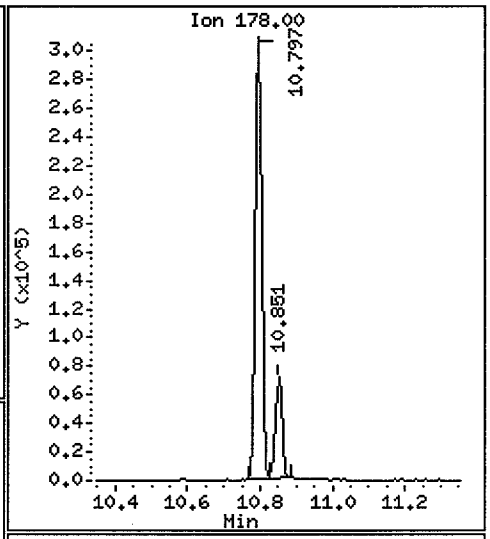
Concentration: 6897 ug/kg

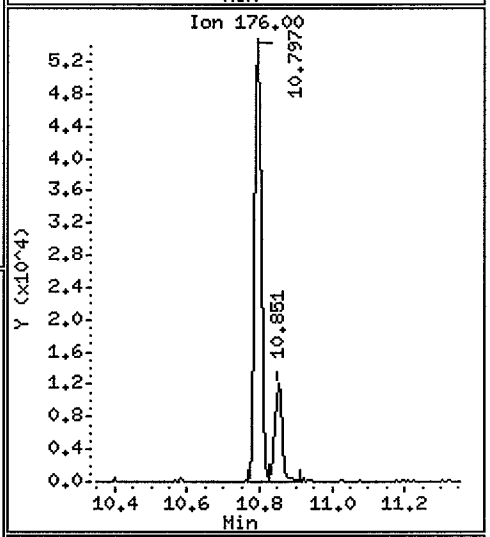


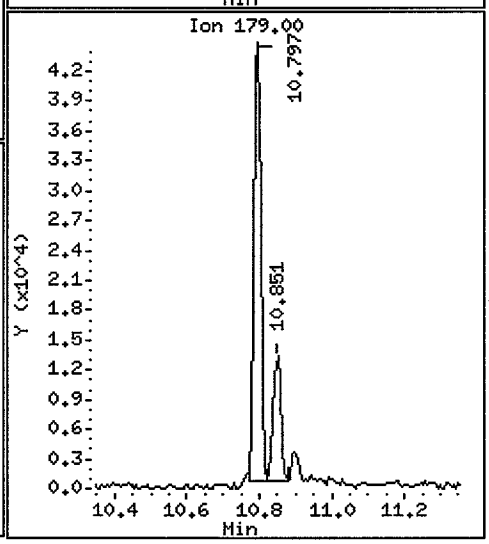












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

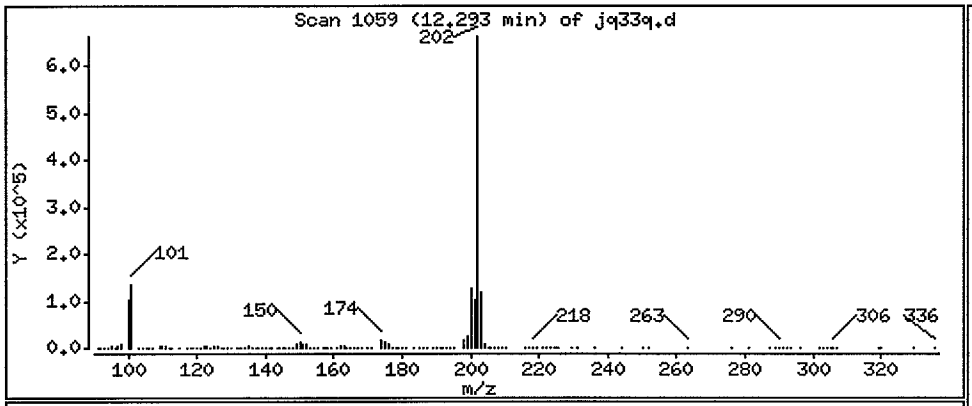
Operator: VTS

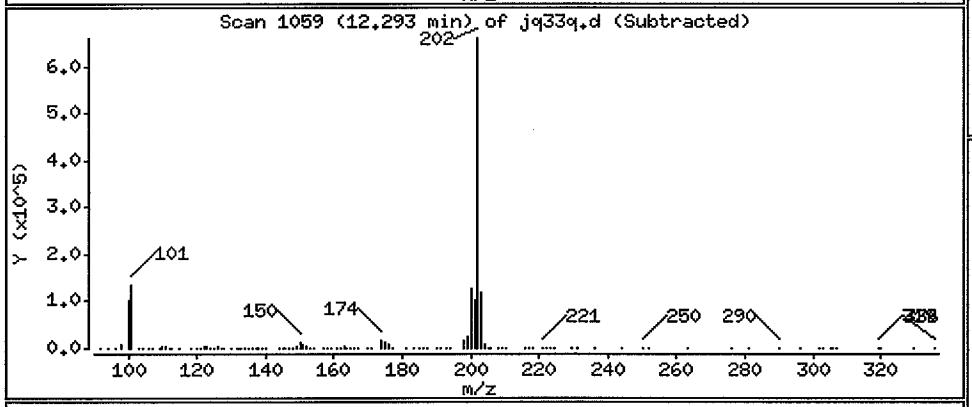
Column phase: ZB-5

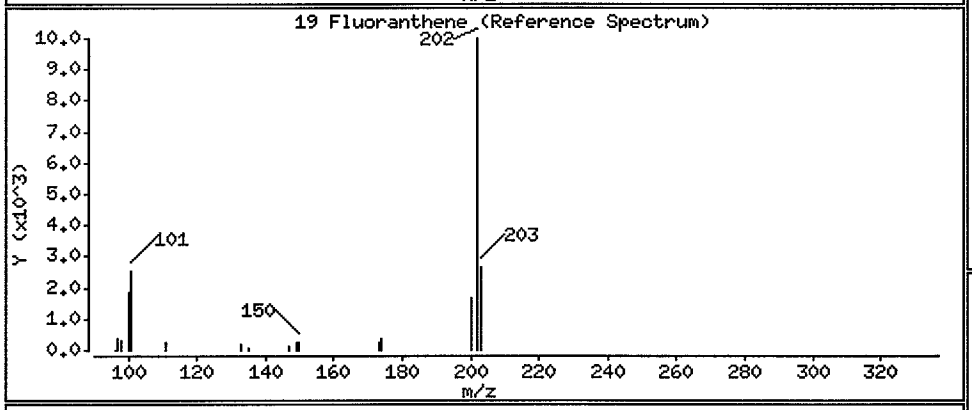
Column diameter: 0.25

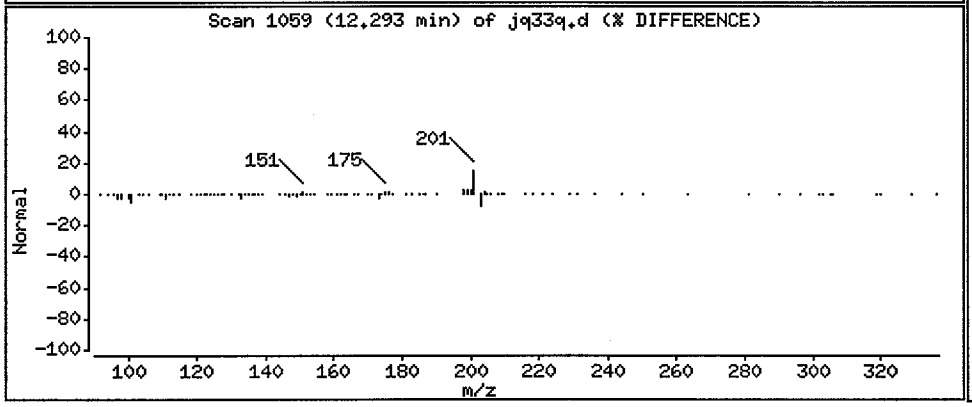
19 Fluoranthene

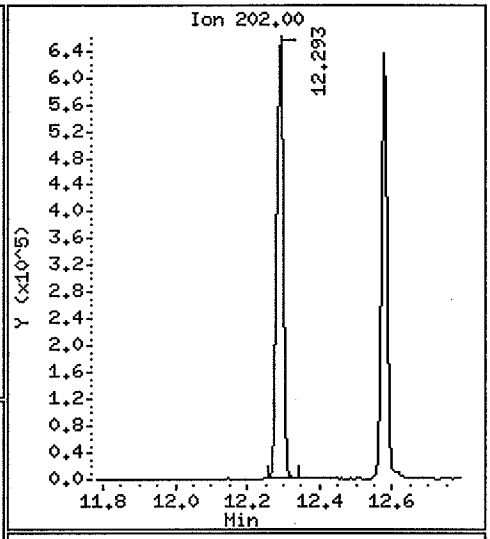
Concentration: 64360 ug/kg

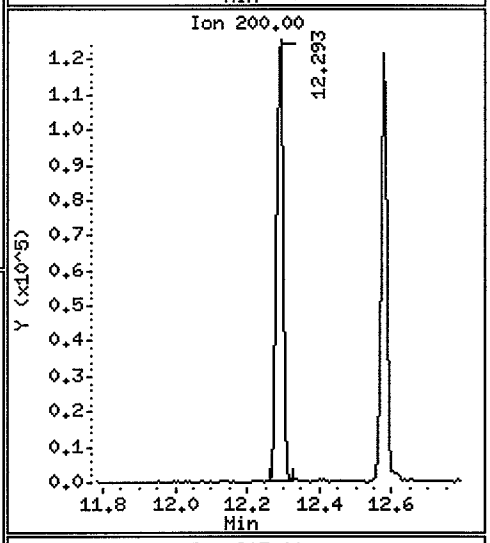


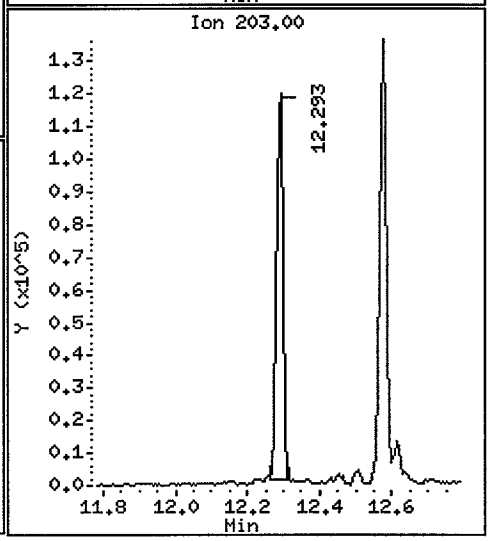












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

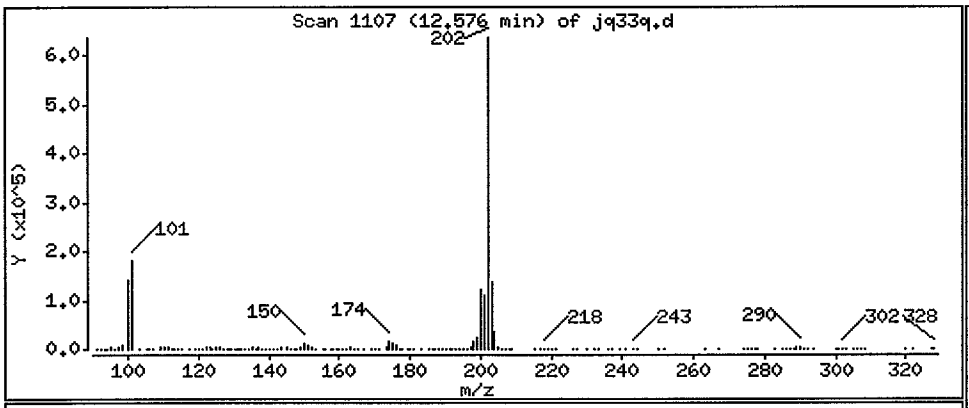
Operator: VTS

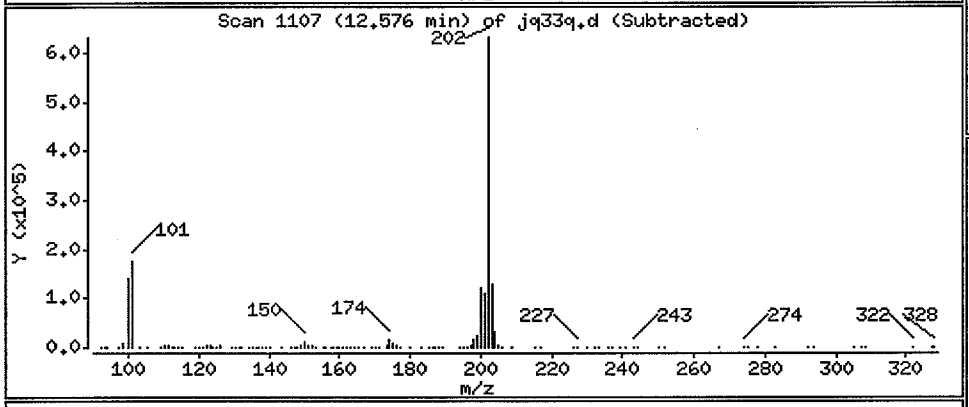
Column phase: ZB-5

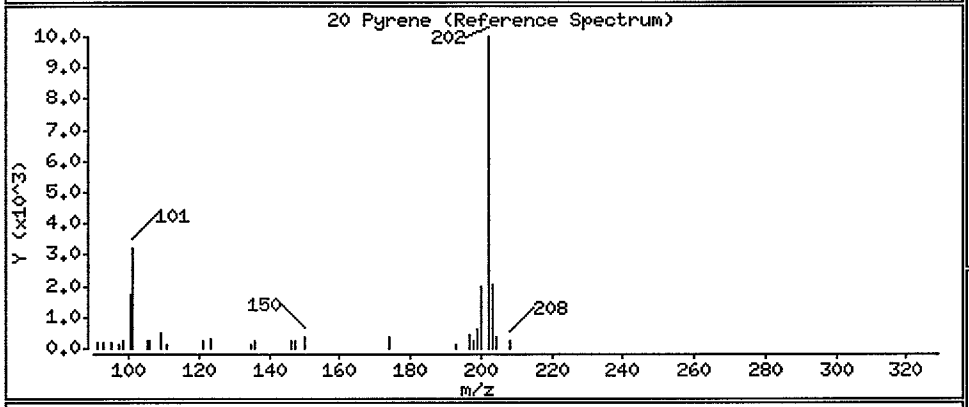
Column diameter: 0.25

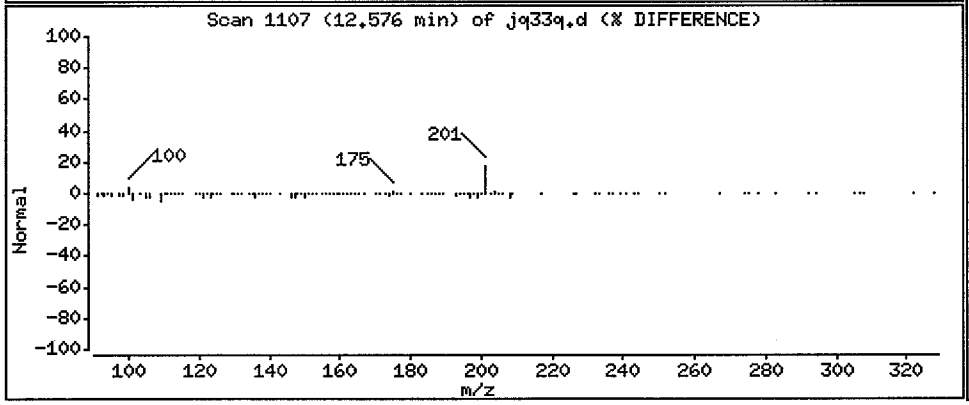
20 Pyrene

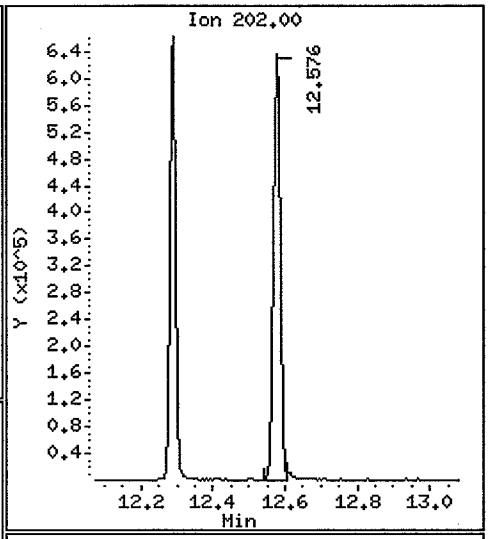
Concentration: 55990 ug/kg

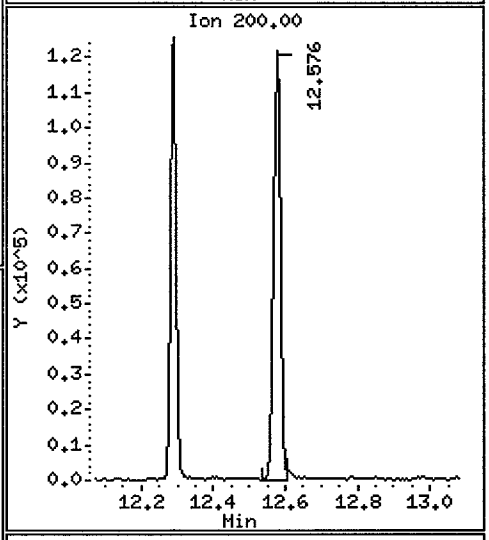


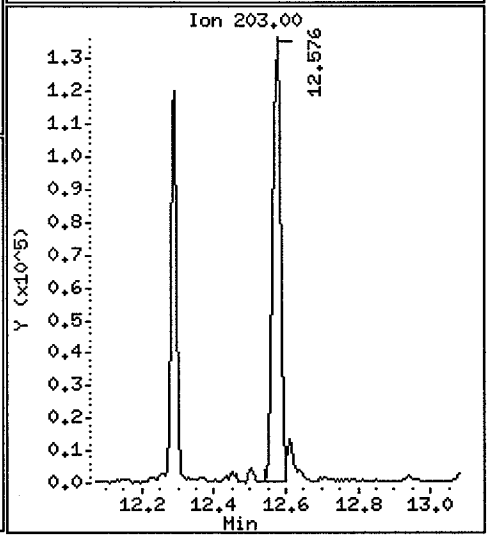












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

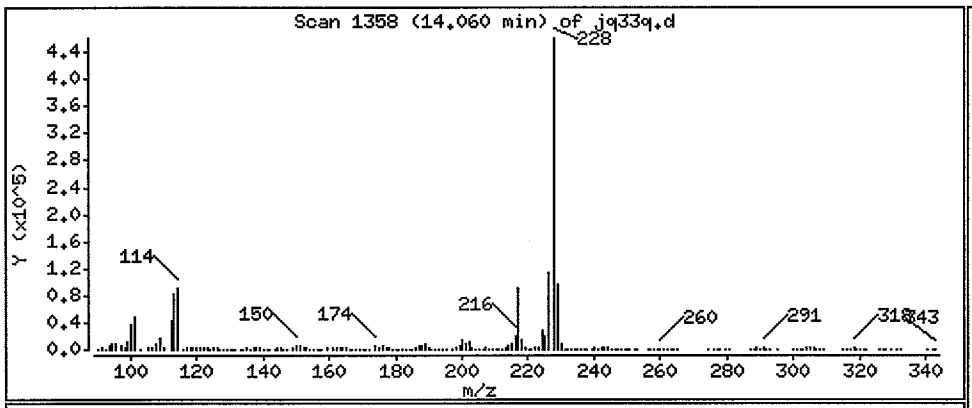
Operator: VTS

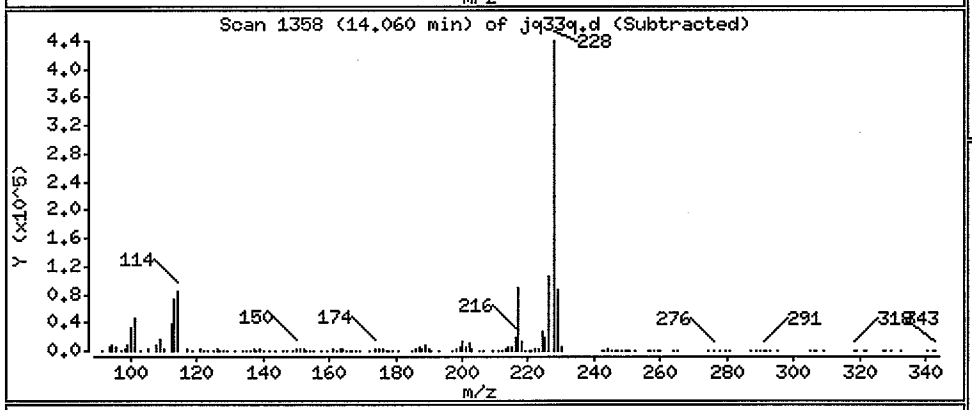
Column phase: ZB-5

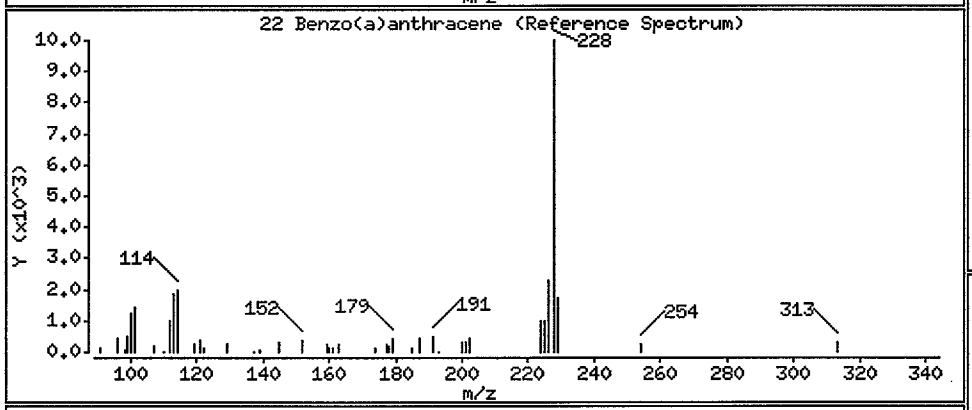
Column diameter: 0.25

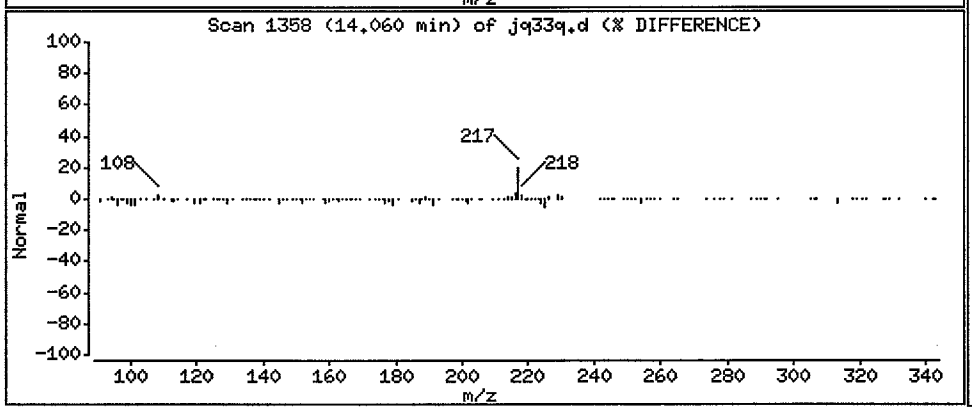
22 Benzo(a)anthracene

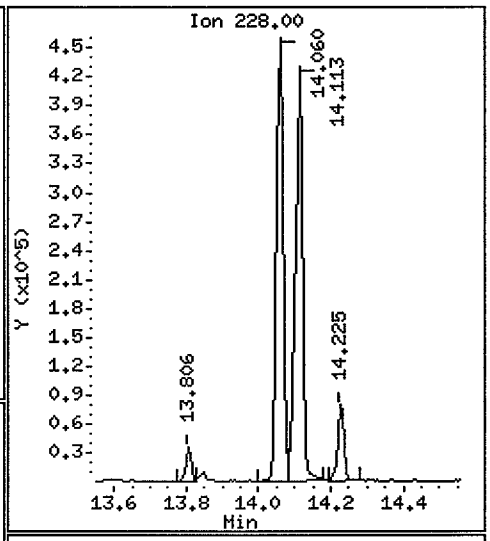
Concentration: 42150 ug/kg

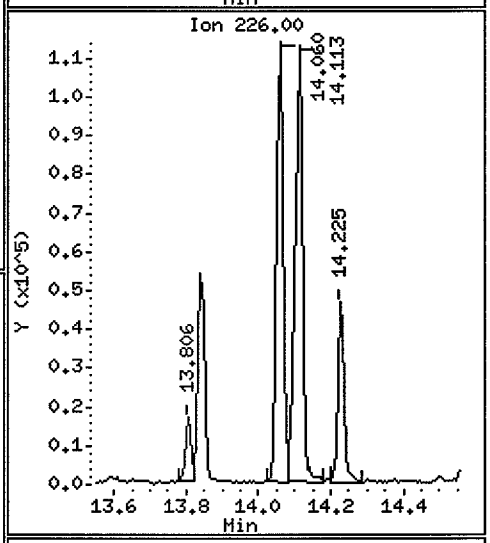


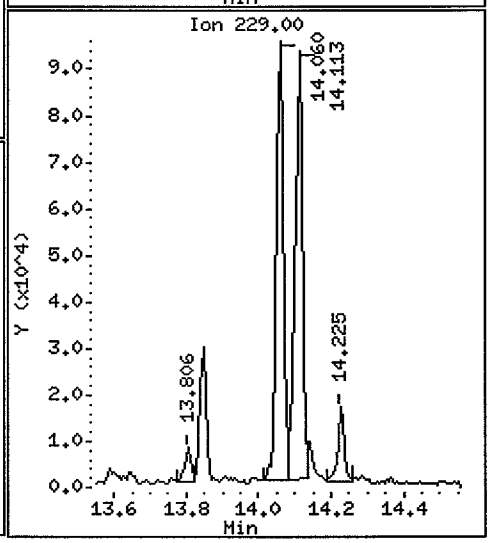












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

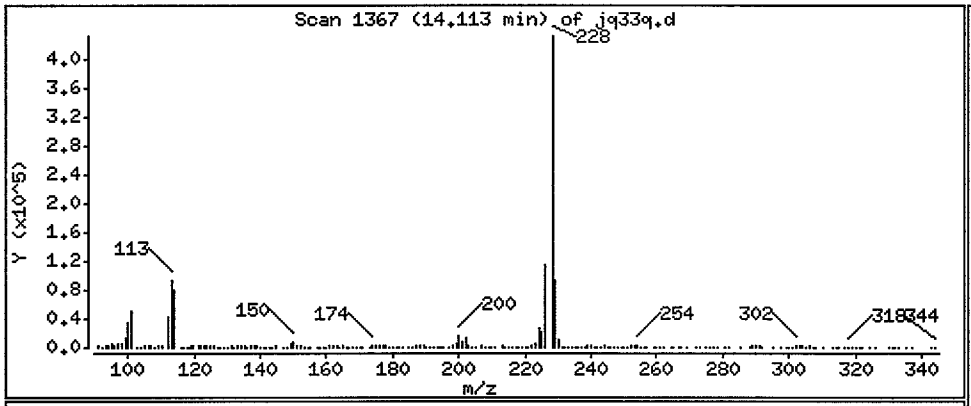
Operator: VTS

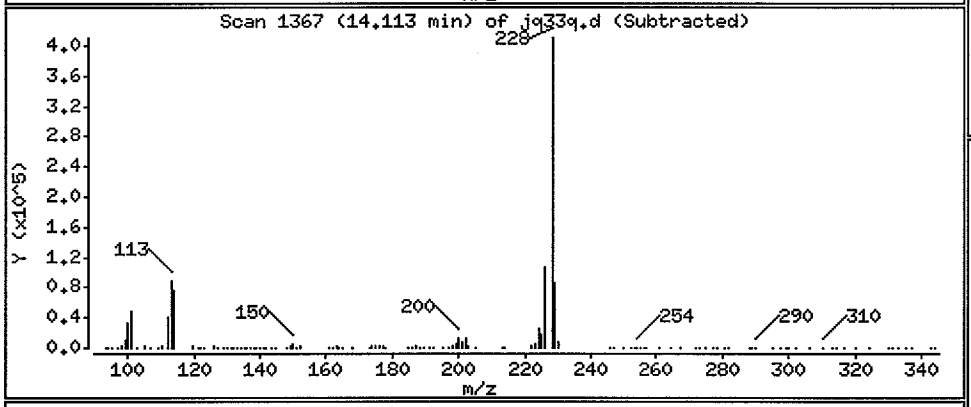
Column phase: ZB-5

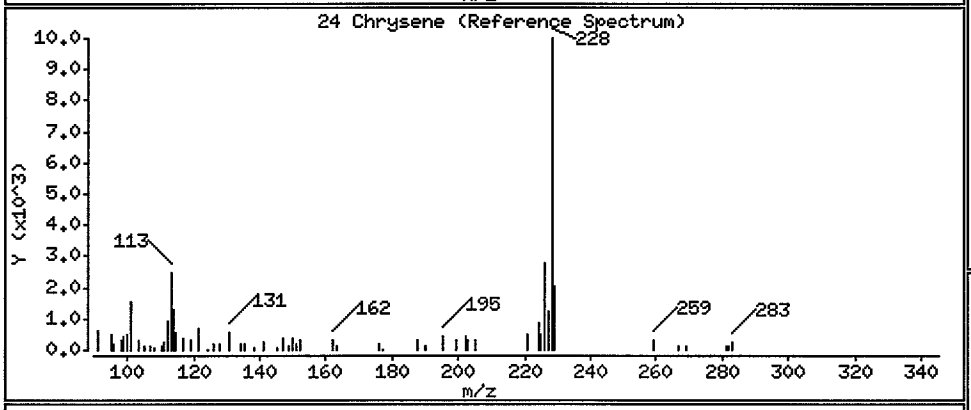
Column diameter: 0.25

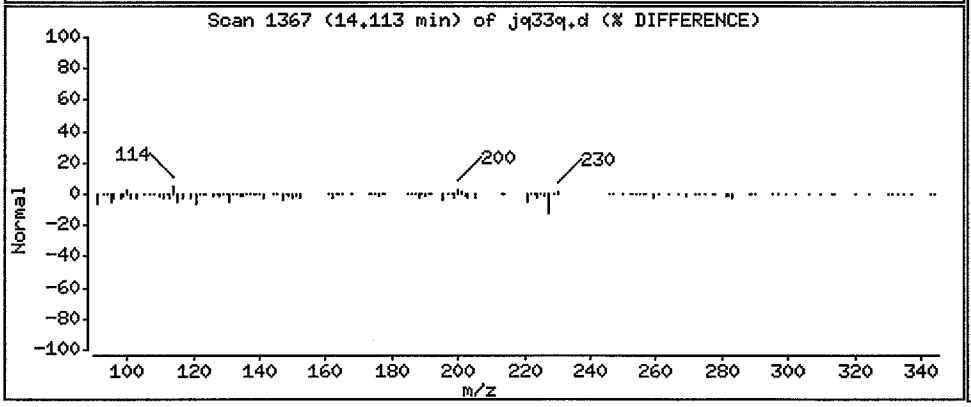
24 Chrysene

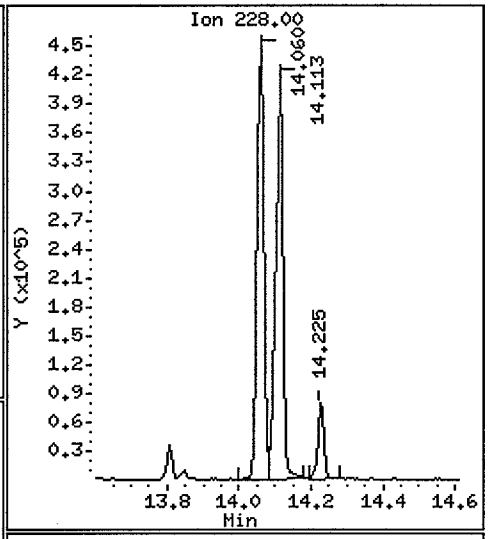
Concentration: 48900 ug/kg

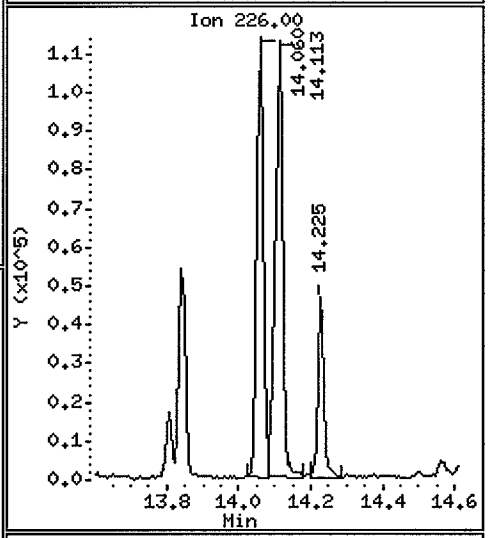


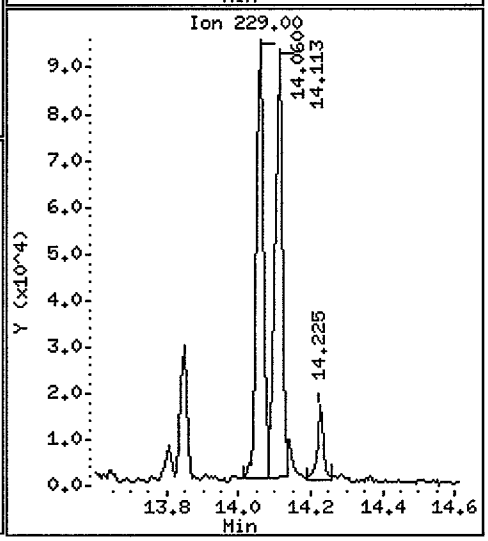












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

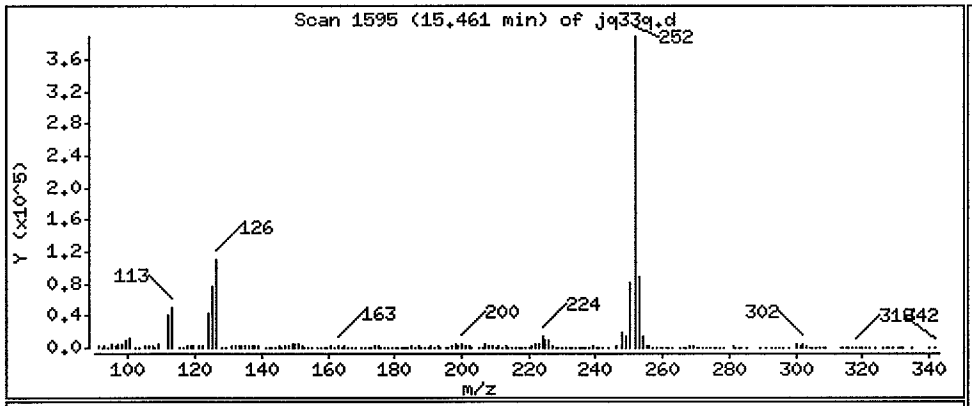
Operator: VTS

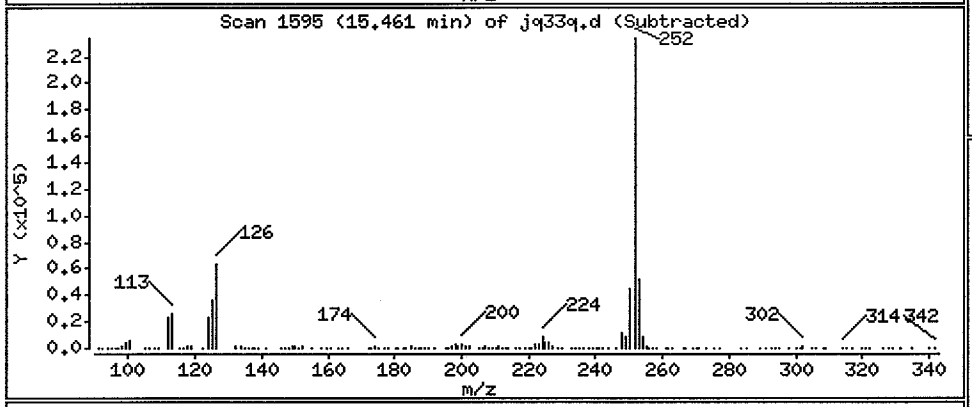
Column phase: ZB-5

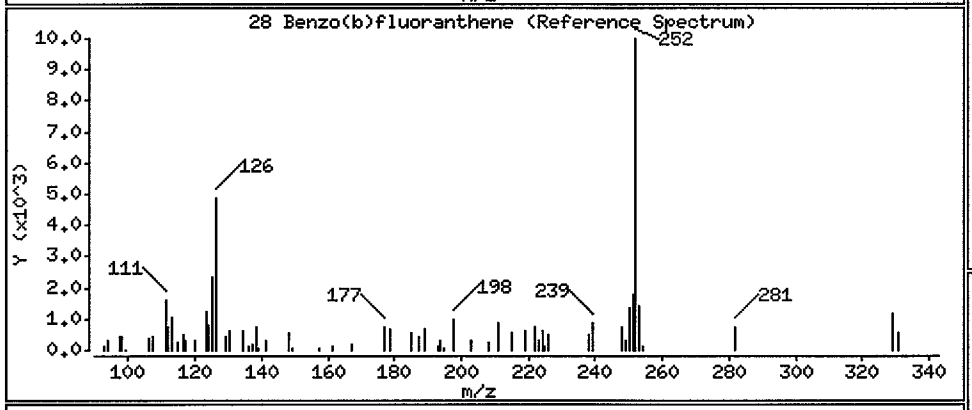
Column diameter: 0.25

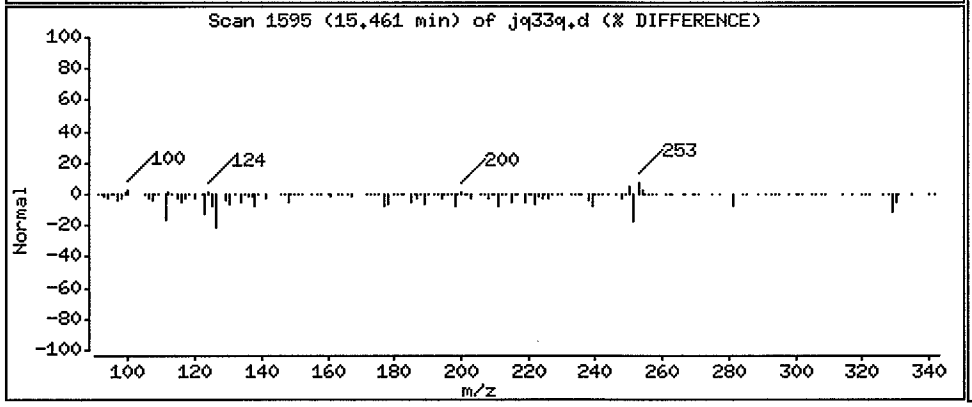
28 Benzo(b)fluoranthene

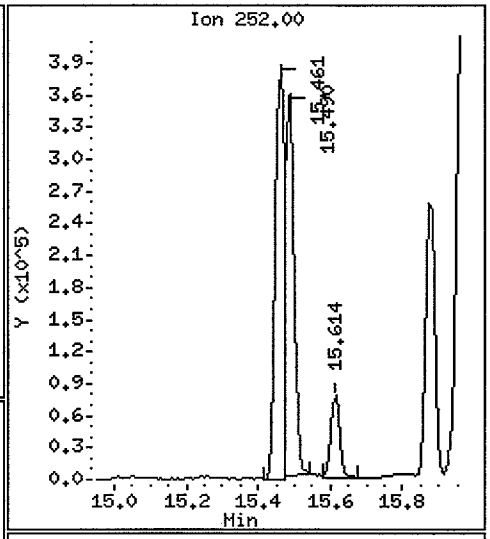
Concentration: 50820 ug/kg

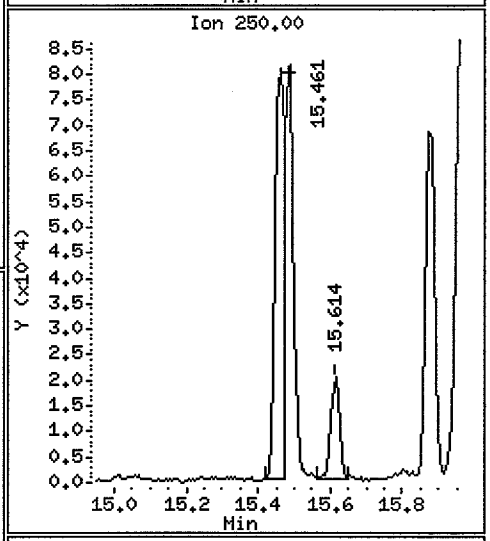


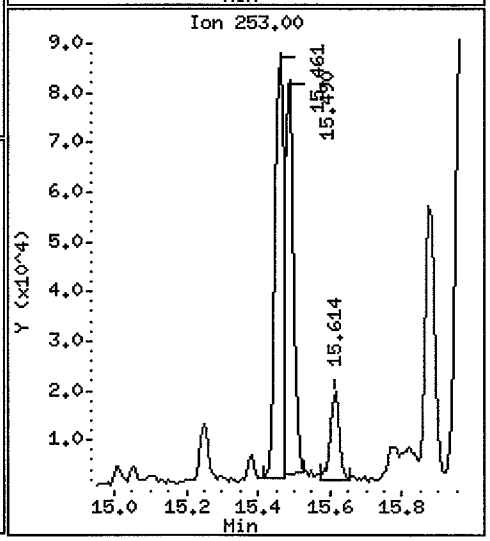












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

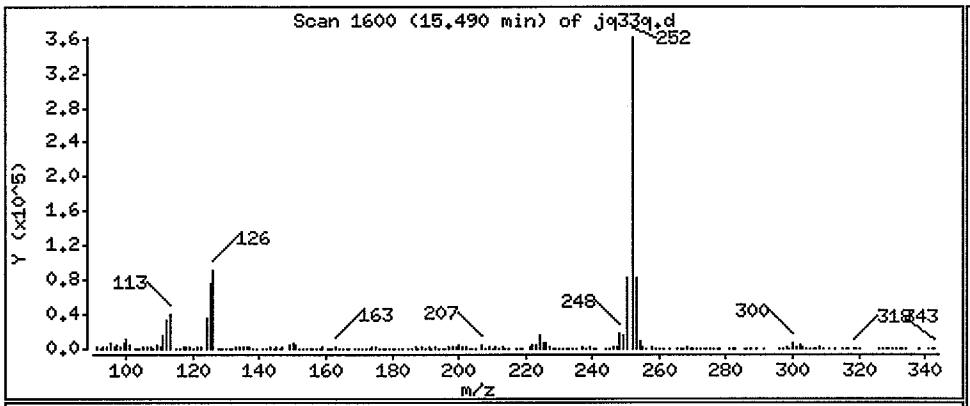
Operator: VTS

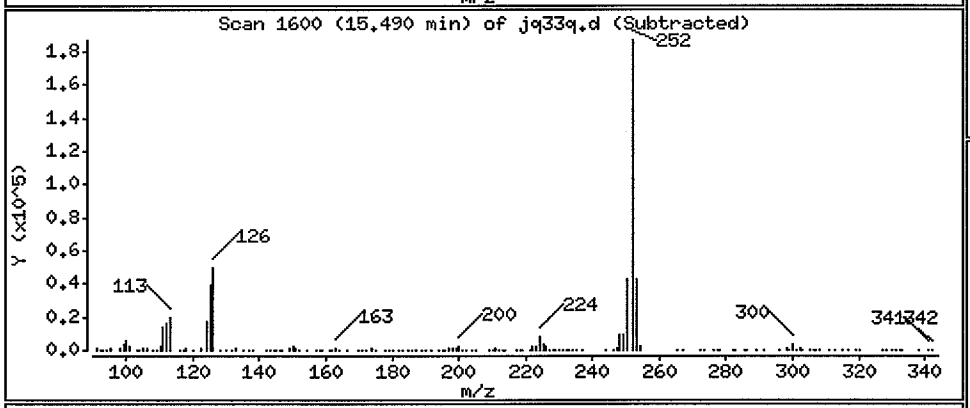
Column phase: ZB-5

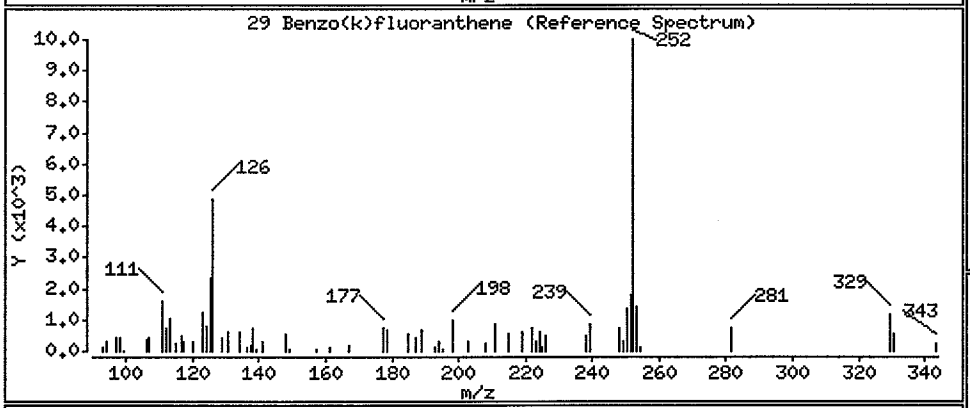
Column diameter: 0.25

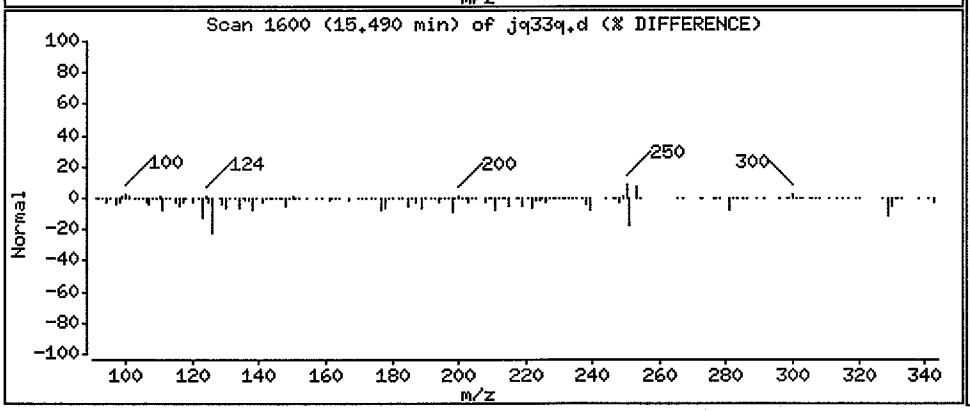
29 Benzo(k)fluoranthene

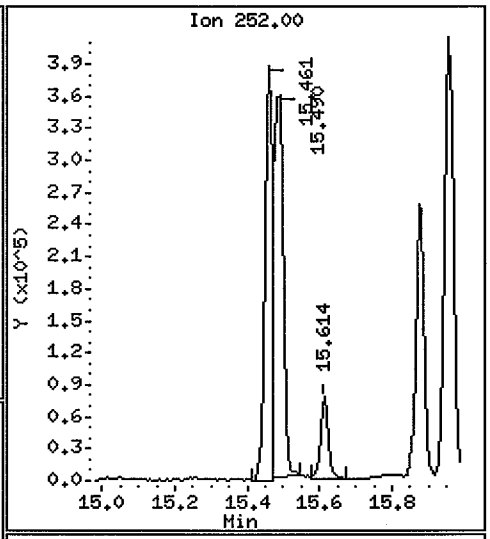
Concentration: 49910 ug/kg

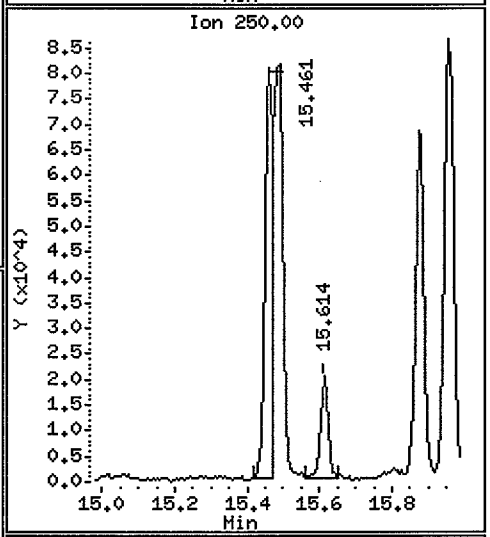


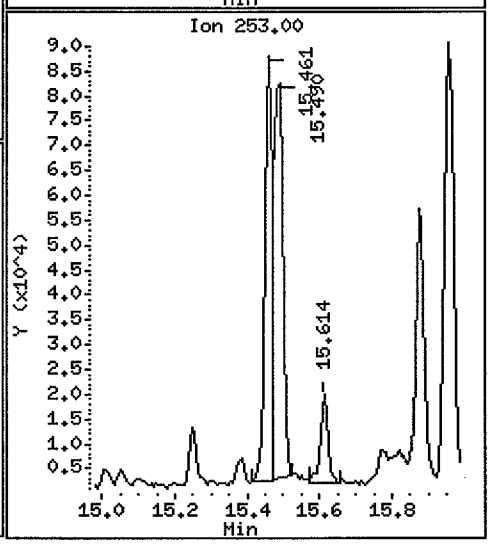












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

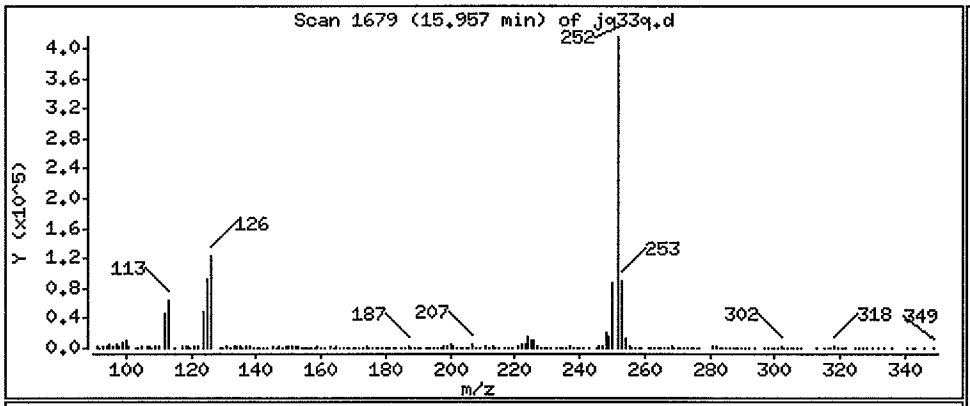
Operator: VTS

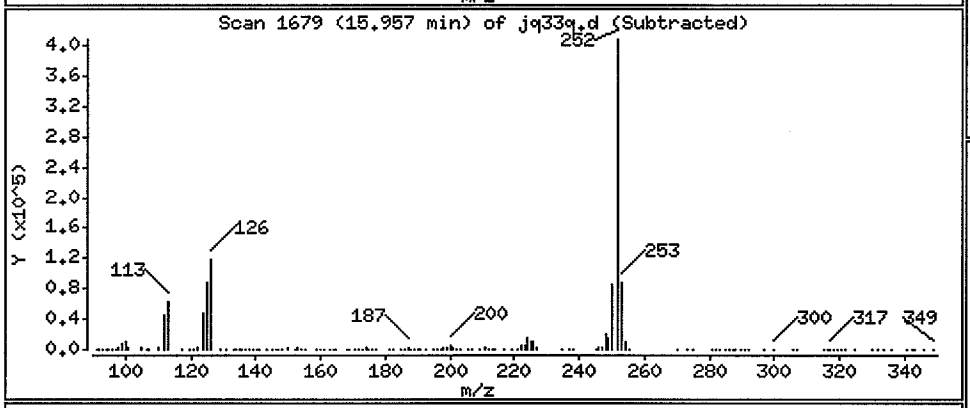
Column phase: ZB-5

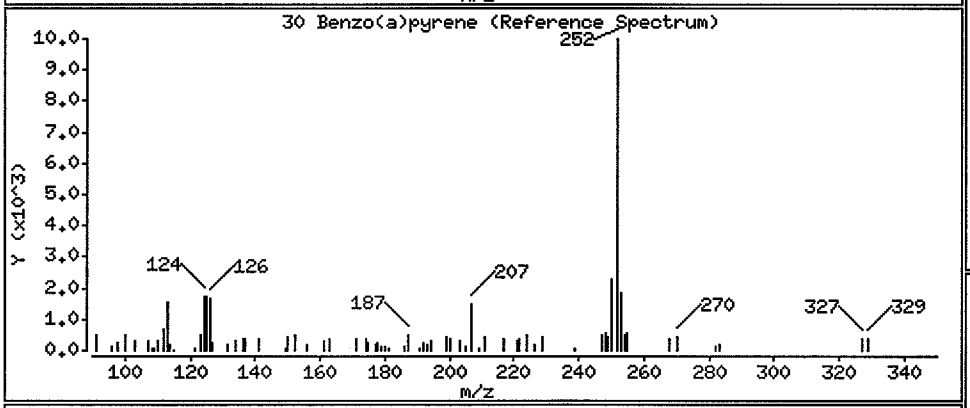
Column diameter: 0.25

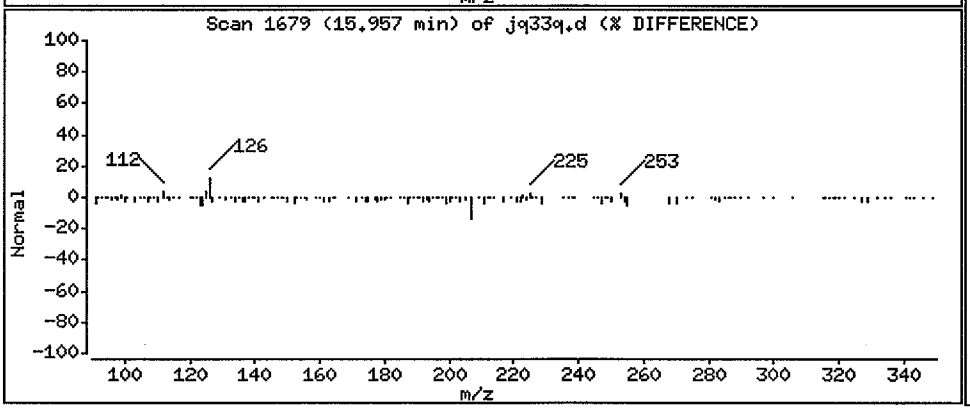
30 Benzo(a)pyrene

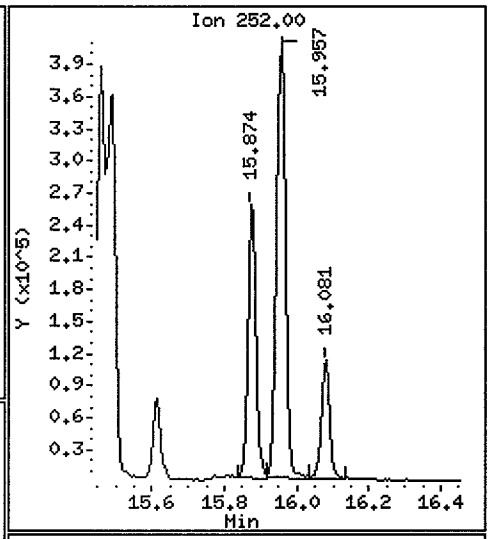
Concentration: 57080 ug/kg

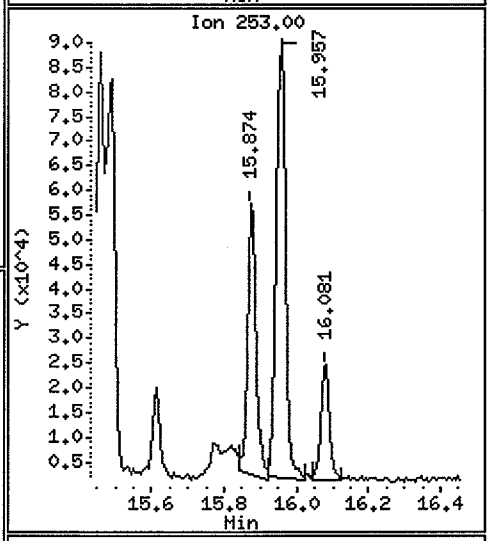


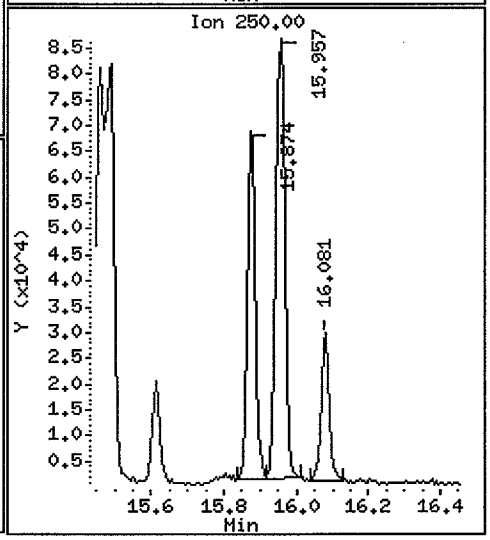












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

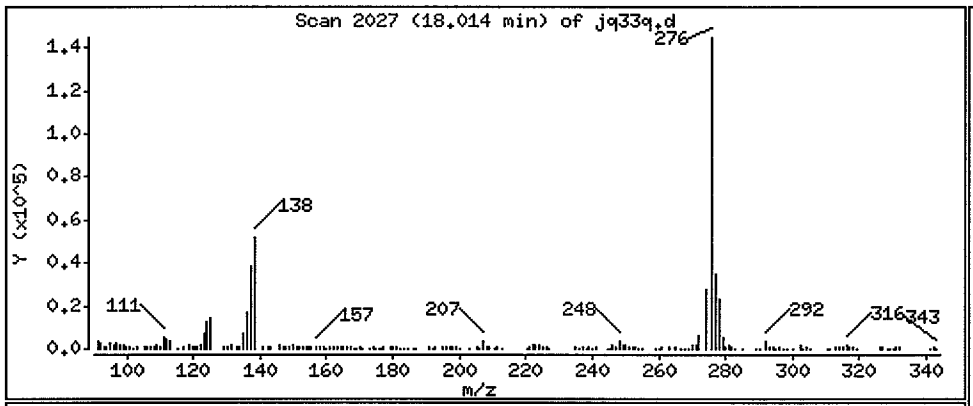
Operator: VTS

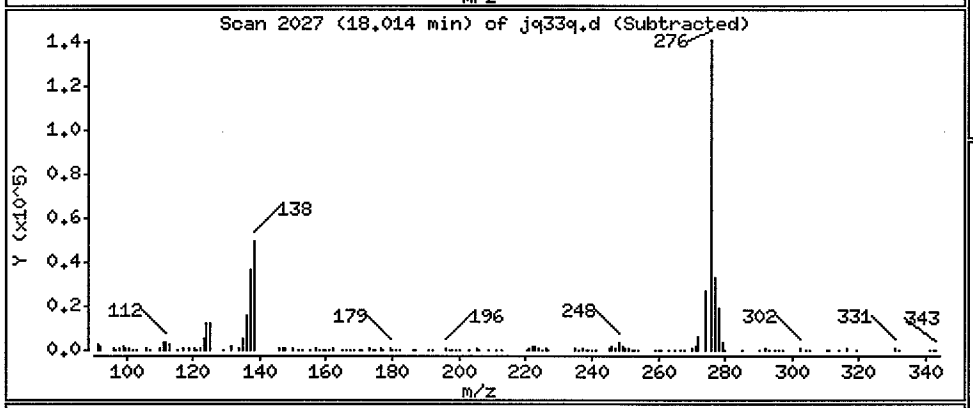
Column phase: ZB-5

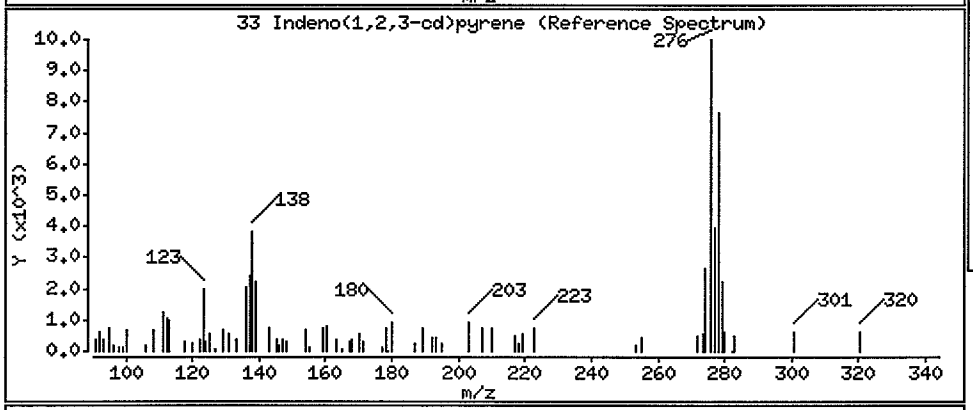
Column diameter: 0.25

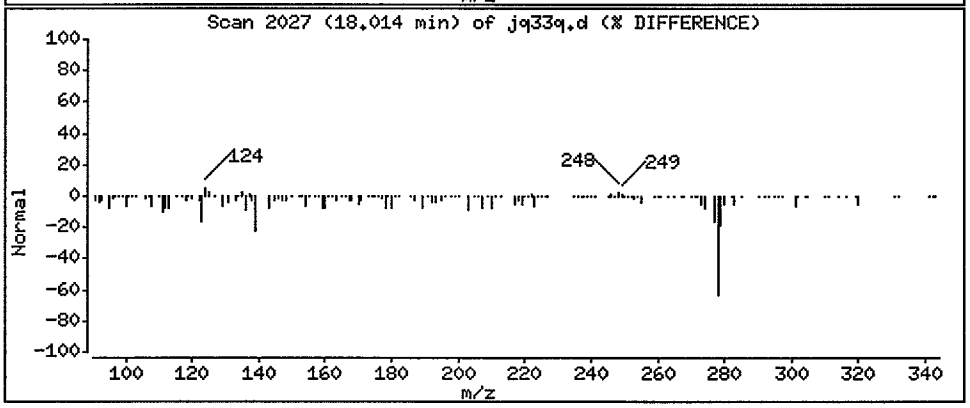
33 Indeno(1,2,3-cd)pyrene

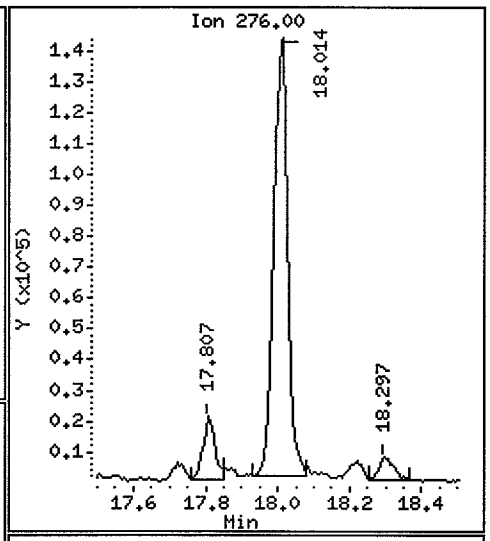
Concentration: 28120 ug/kg

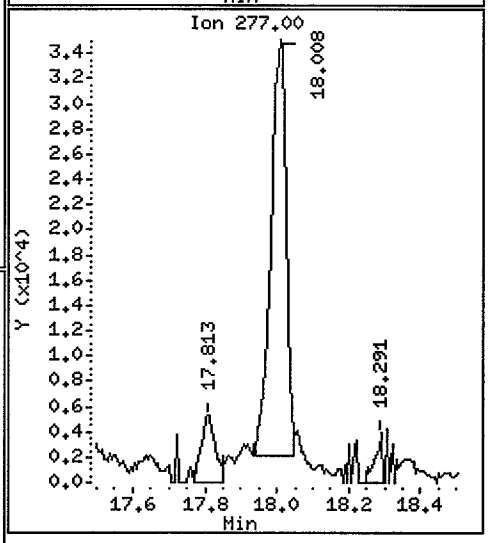












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

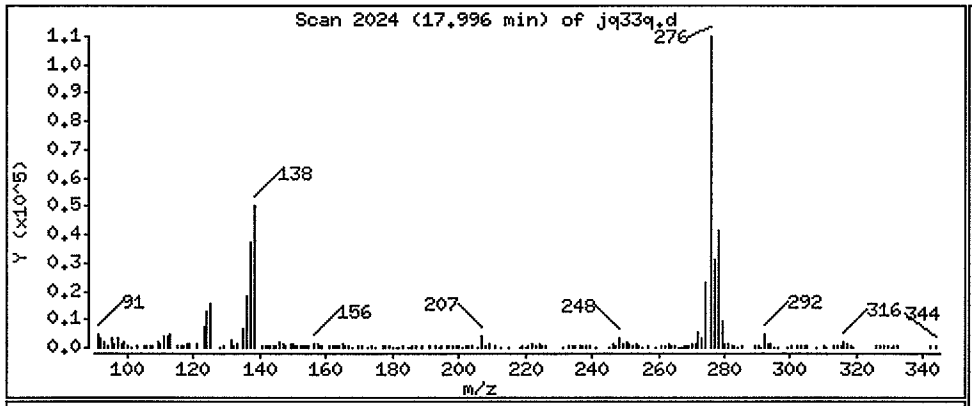
Operator: VTS

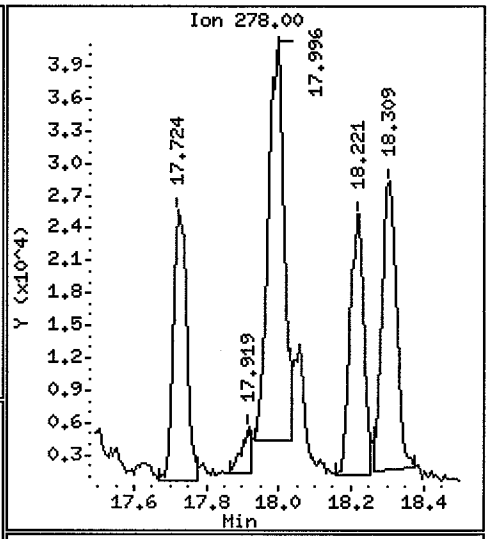
Column phase: ZB-5

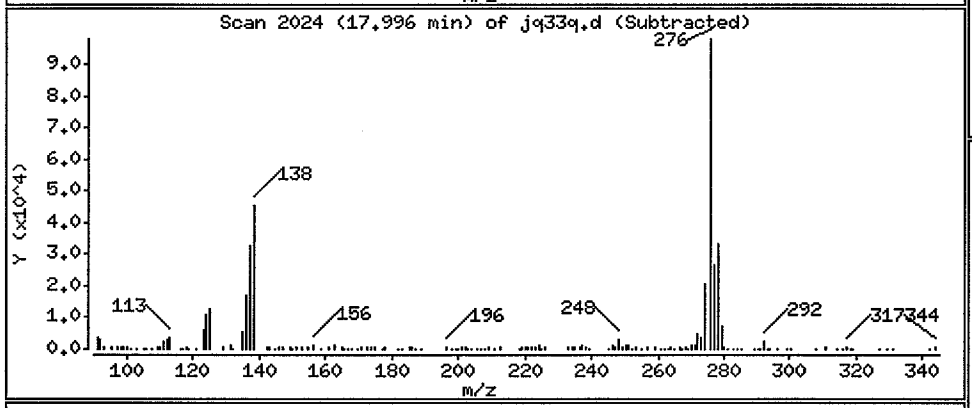
Column diameter: 0.25

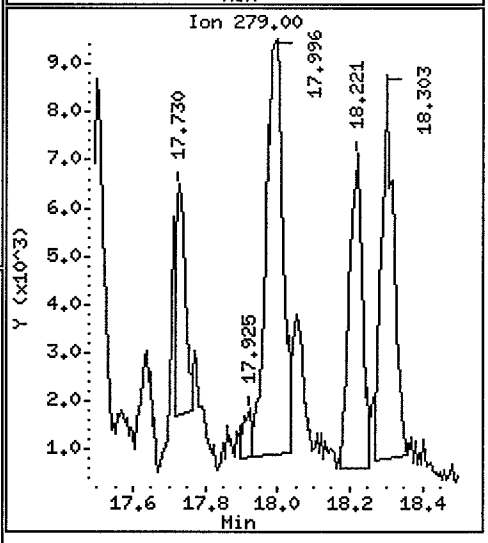
34 Dibenz(a,h)anthracene

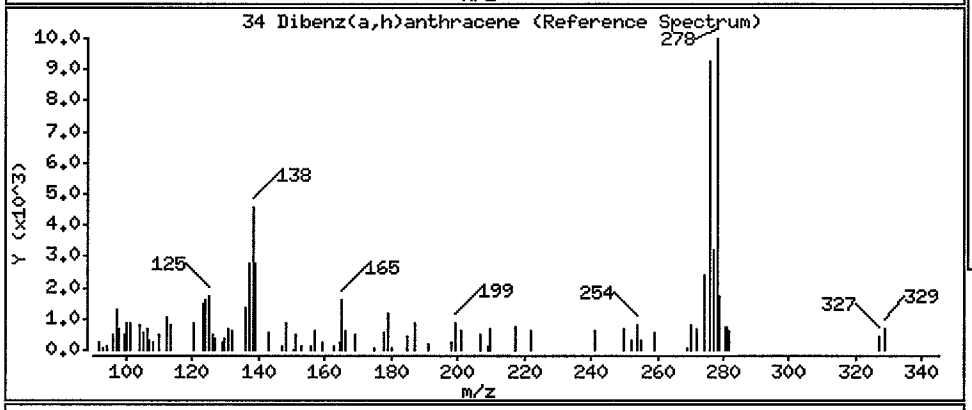
Concentration: 9951 ug/kg

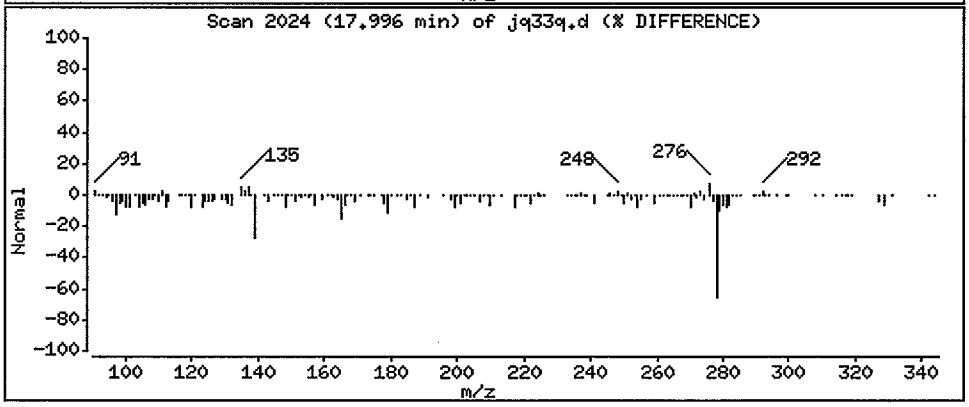












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

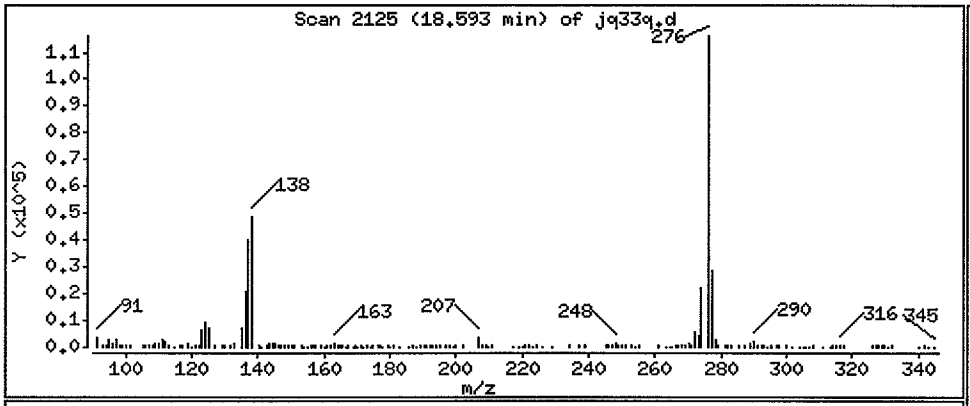
Operator: VTS

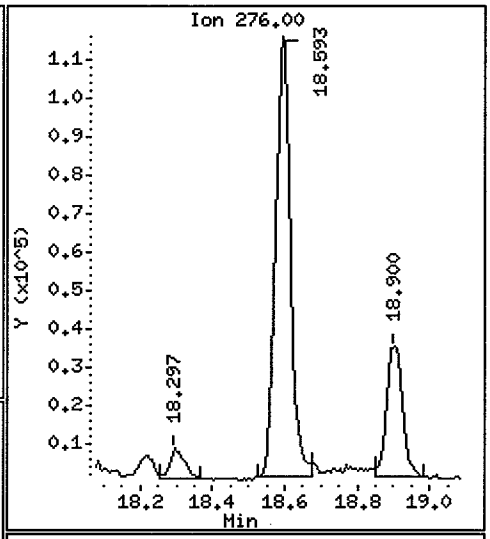
Column phase: ZB-5

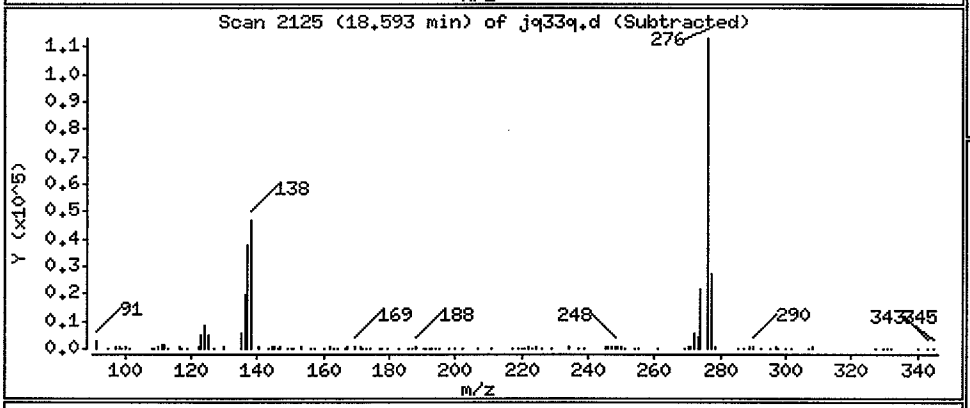
Column diameter: 0.25

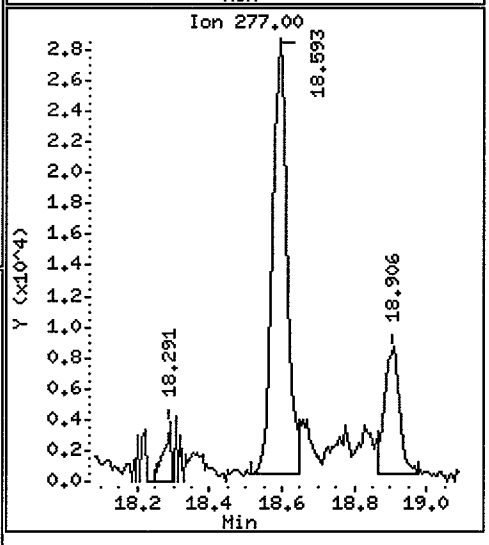
35 Benzo(g,h,i)perylene

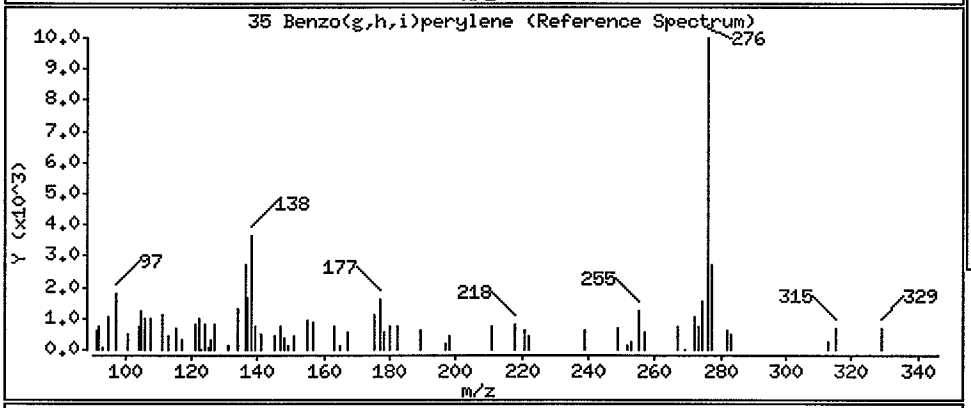
Concentration: 29290 ug/kg

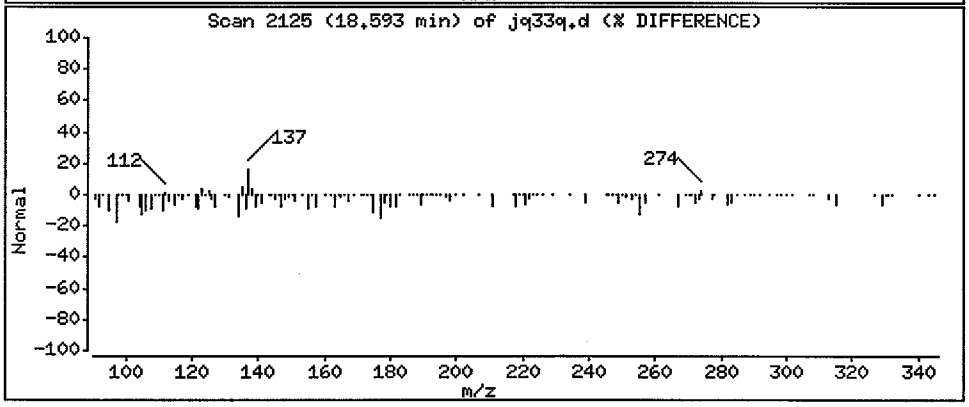












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

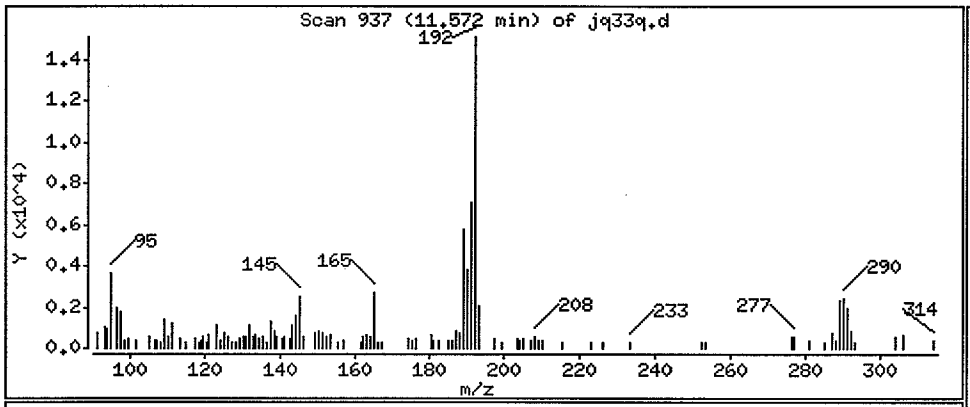
Operator: VTS

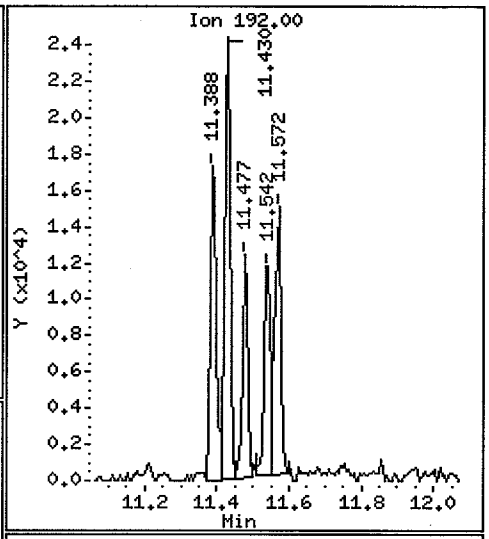
Column phase: ZB-5

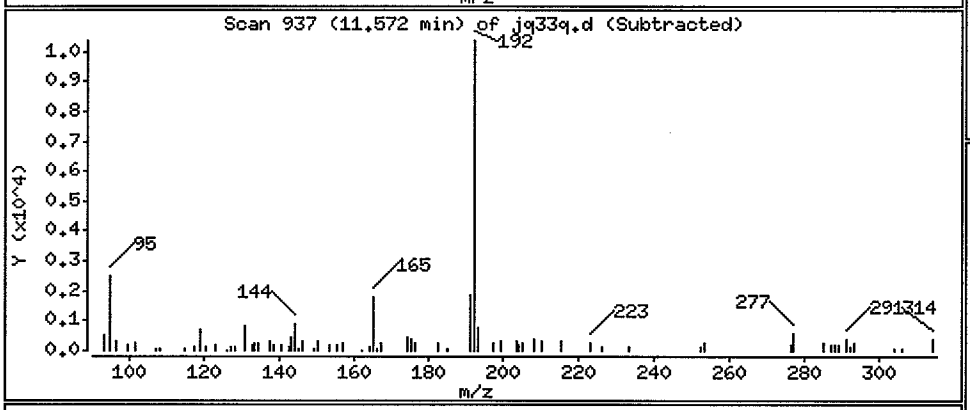
Column diameter: 0.25

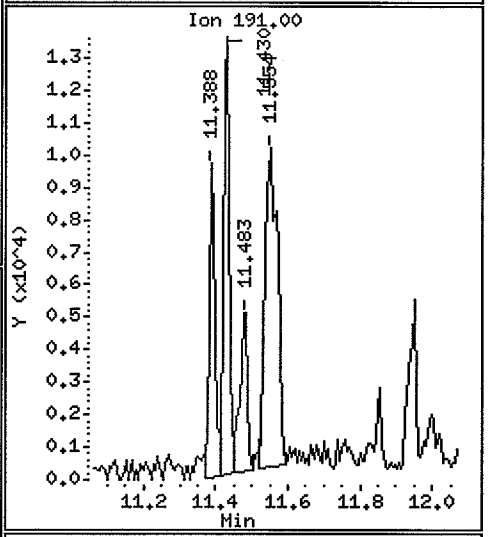
51 1-Methylphenanthrene

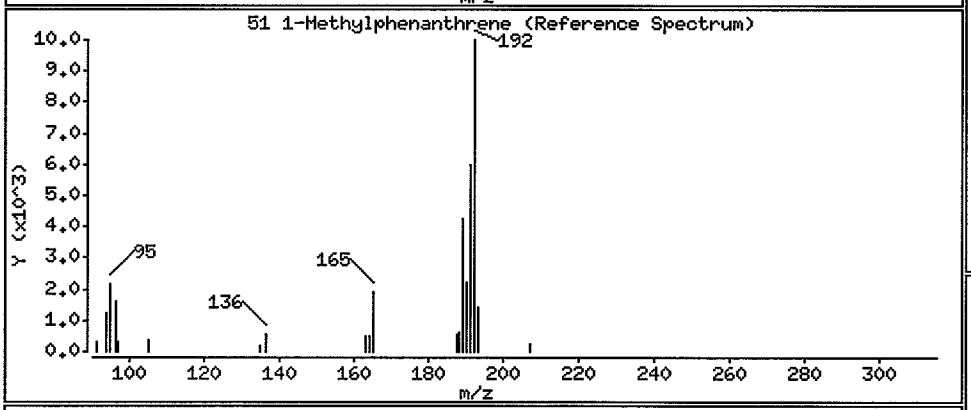
Concentration: 1982 ug/kg

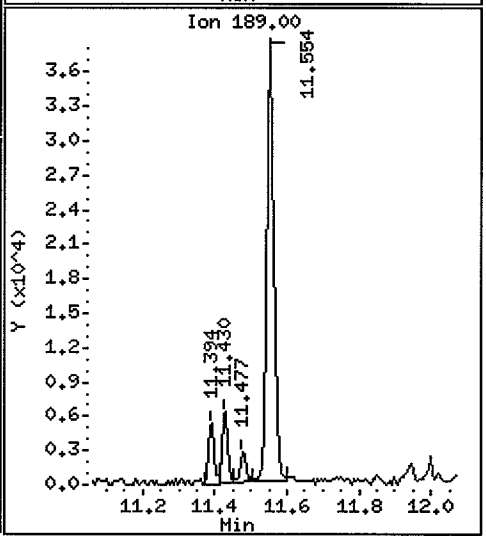


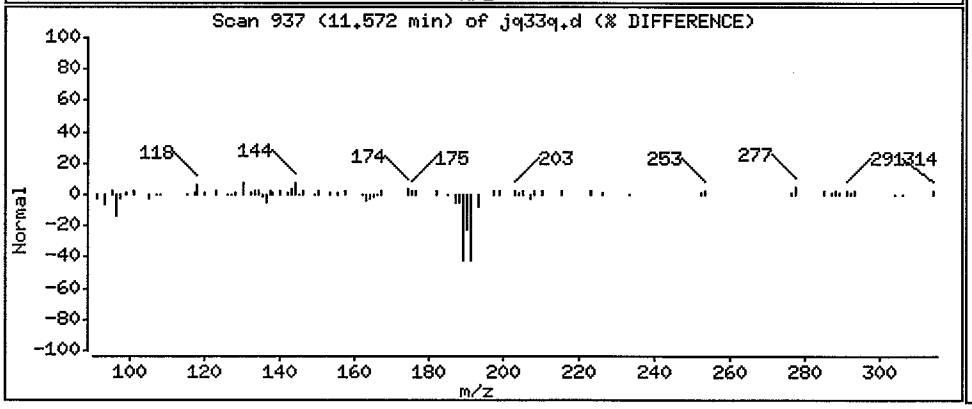












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

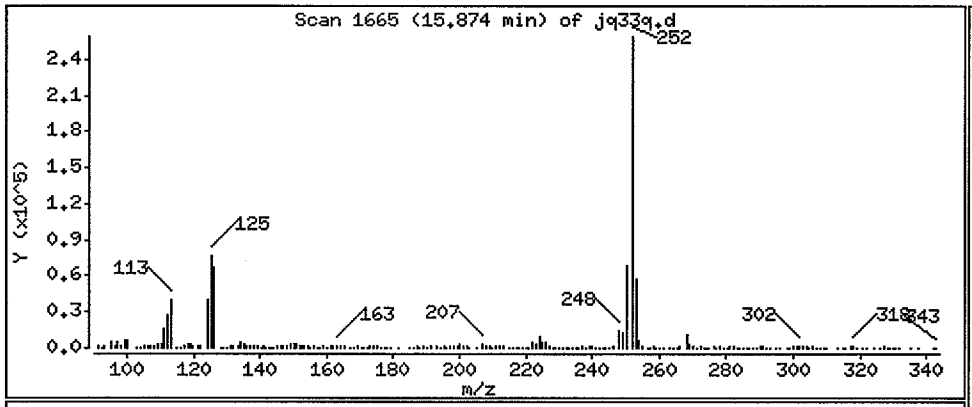
Operator: VTS

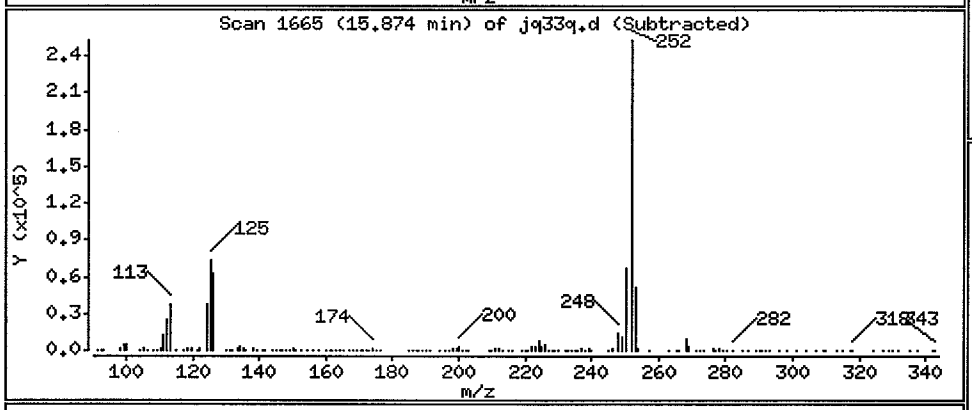
Column phase: ZB-5

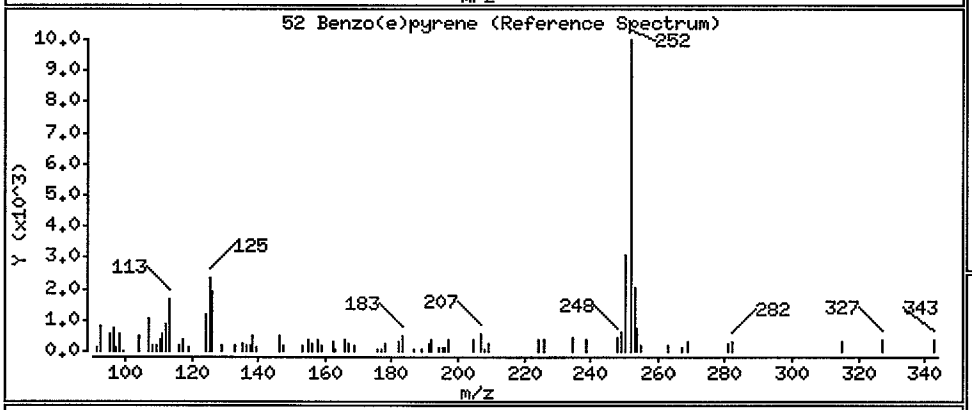
Column diameter: 0.25

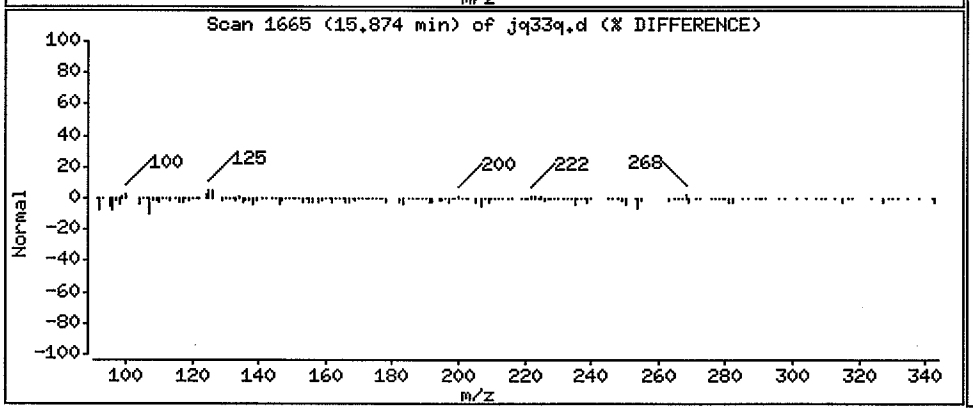
52 Benzo(e)pyrene

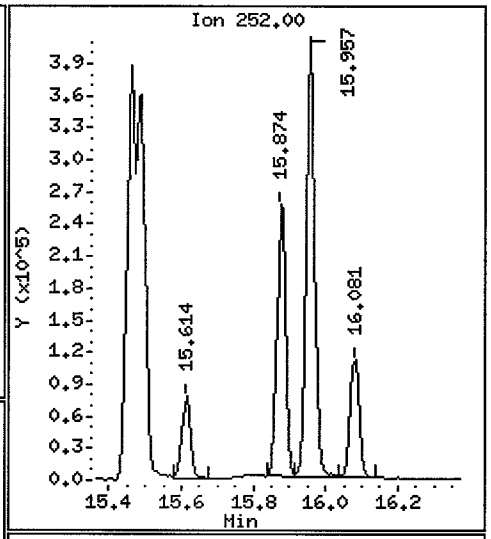
Concentration: 32260 ug/kg

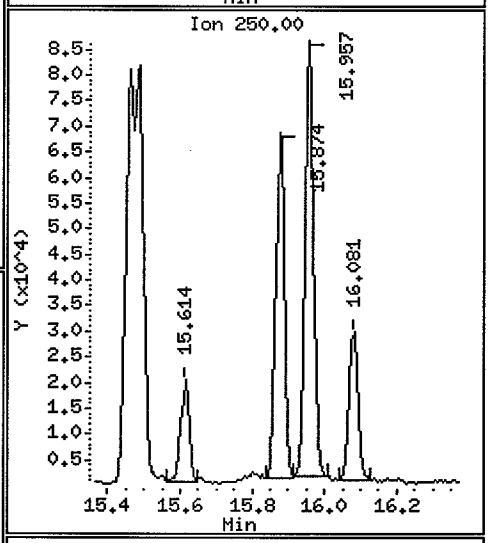


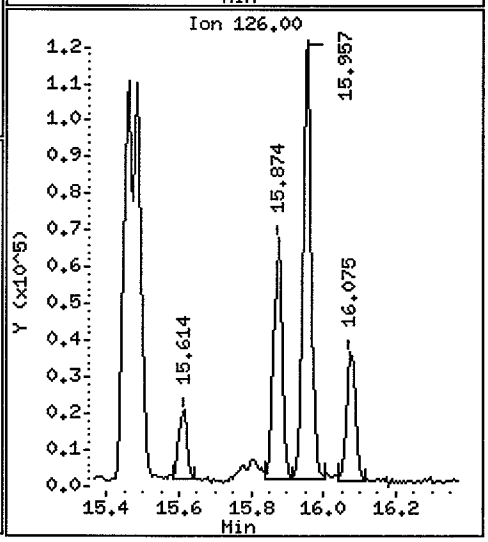












Data File: /chem3/nt1.i/20060807.b/jq33q.d

Date : 07-AUG-2006 17:28

Client ID: T4-S3-01-H

Instrument: nt1.i

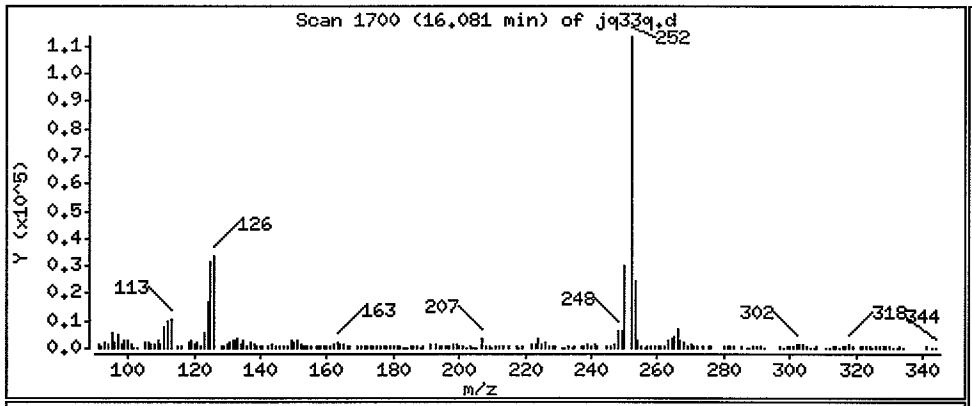
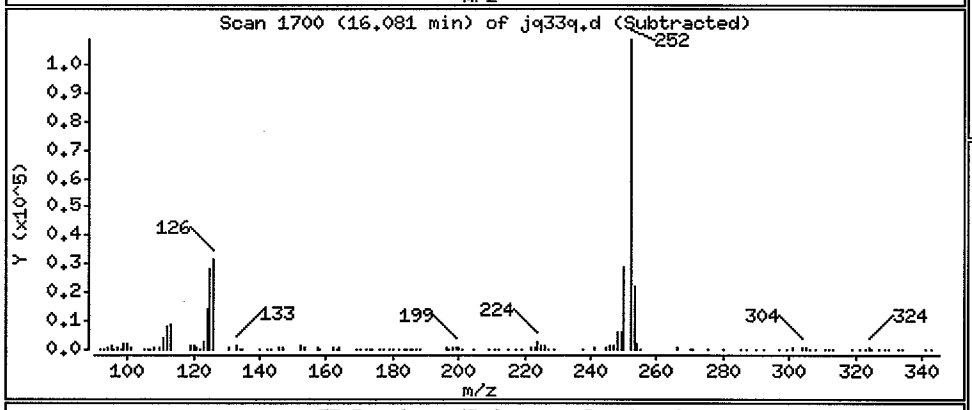
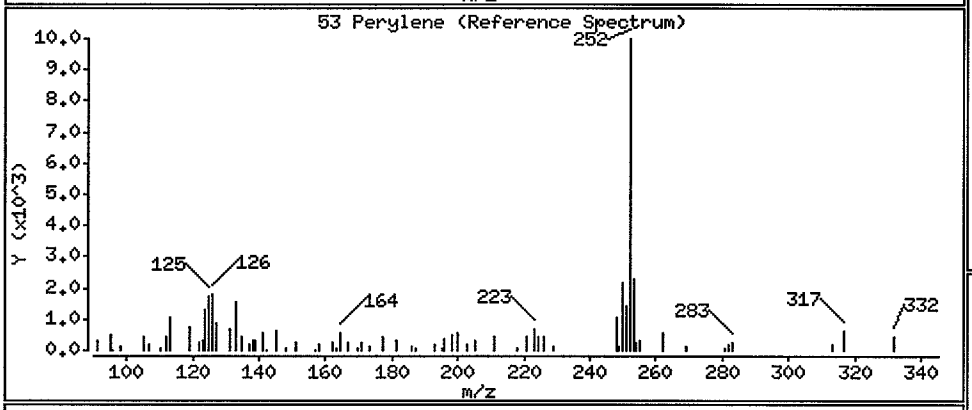
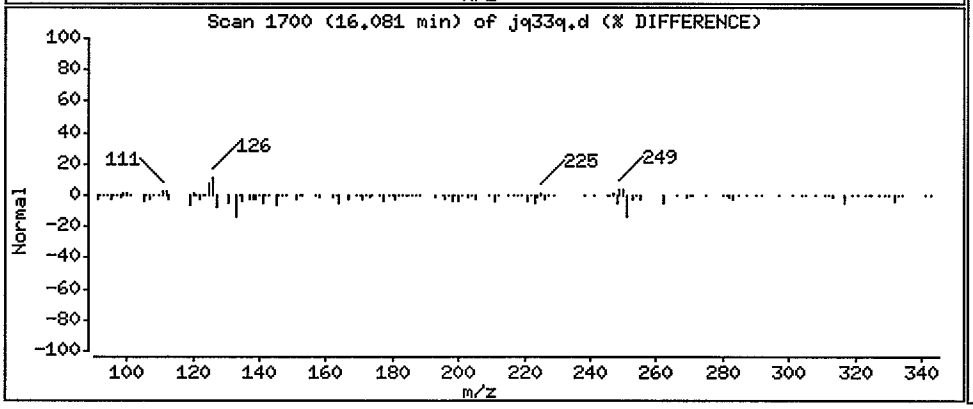
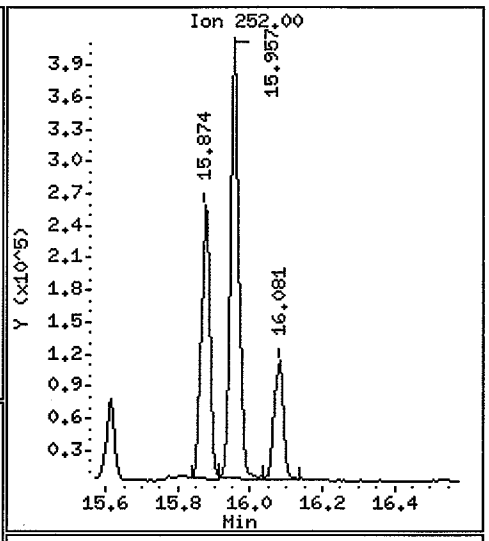
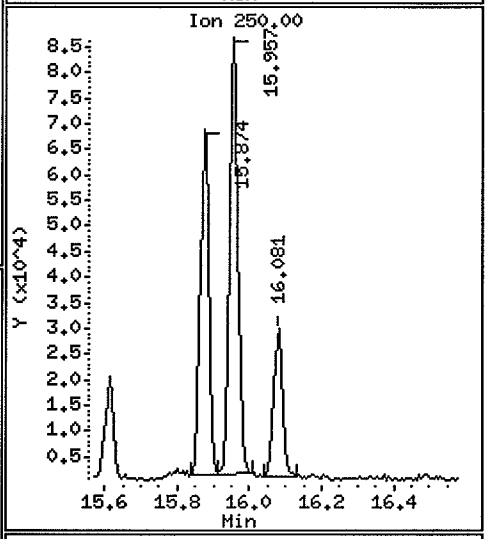
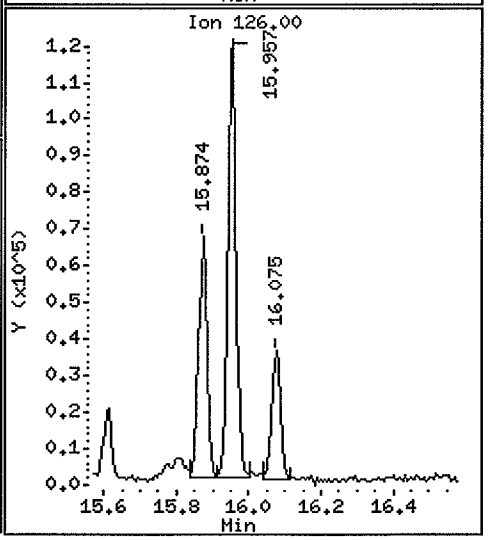
Sample Info: JQ33Q,20

Volume Injected (uL): 1.0

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

53 Perylene

Concentration: 15390 ug/kg