Analytical Resources, Incorporated
Analytical Chemists and Consultants

August 23, 2006

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

RE: Client Project: 050332-01
ARI Job No. JQ35

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 JQ35

SD/sdrd

Chain of Custody
Documentation

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ35

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: 7 of 15

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

No. of Coolers: 19 | Cooler Temps: 1.5–5.00 – Soils; 2.6–2.8 – 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	TOC	Archive (Freeze)		Notes/Comments
T4-S3-02-A	7/18	16:27	Sediment	3							X		
-B											X		ARCHIVE = FREEZE
-C					X	X	X	X	X	X	~~X~~ EA		
-D													
-E													
-F													
-G													
-H											X		
-J											X		
-K											X		

Comments/Special Instructions	Relinquished by:	Received by:	Relinquished by:	Received by:
	(Signature) Tim Stone	(Signature) [illegible]	(Signature)	(Signature) [illegible]
	Printed Name: Tim STONE	Printed Name: Art Wyman	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.

Chain of Custody Record & Laboratory Analysis Request

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Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: 050332-01	Samplers: BH/EA/KT

Page: 8 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 (FREEZE)		Notes/Comments
T4-S3-03-A	7/19	858	Sediment	3							X		
-B	↓	↓	↓	↓	X	X	X	X	X	X			ARCHIVE = FREEZE
-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			
-D	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			
-E	↓	↓	↓	↓							X		
-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: Anthony	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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Chain of Custody Record & Laboratory Analysis Request

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

Page: 9 of 15

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

No. of Coolers: 19 | Cooler Temps: 1.5 ~ 5.0 ~ Soils; 2.6 ~ 2.8° ~ CORBOYS

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 (FREEZE)		Notes/Comments
T4-53-08-A	7/19	1505	Sediment	3							X		
-B	↓	↓	↓	↓	X	X	X	X	X	X			ARCHIVE =
-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			FREEZE
-D	↓	↓	↓	↓							X		
-E	↓	↓	↓	↓							↓		
-F	↓	↓	↓	↓							↓		
-G	↓	↓	↓	↓							↓		
-H	↓	↓	↓	↓							↓		
-J	↓	↓	↓	↓							↓		
-K	↓	↓	↓	↓							↓		

Comments/Special Instructions	Relinquished by:	Received by:	Relinquished by:	Received by:
	(Signature) Tim Stone	(Signature) [illegible]	(Signature)	(Signature) Bob Congleton
	Printed Name: TIM STONE	Printed Name: ANT WYM	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

0004

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Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested: 15 business days
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108x21
Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: OSD 332-01	Samplers: BH/EA/KT

Page: 10 of 15

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

No. of Coolers: 19 | Cooler Temps: 1.5-5.0° — SOILS; 2.6-2.8 — 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 (Freeze)		Notes/Comments
T4-S3-05-A	7/19	10:06	Sediment	3							X		
-B	↓	↓	↓	↓							↓		
-C													Archive =
-D													Freeze
-E					X	X	X	X	X	X			
-F					↓	↓	↓	↓	↓	↓			
-G													
-H													
-J													
-K											X		

Comments/Special Instructions	Relinquished by:	Received by:	Relinquished by:	Received by:
	(Signature) Tim Stone	(Signature) [signature]	(Signature)	(Signature) [signature]
	Printed Name: TIM STONE	Printed Name: Art Wynn	Printed Name:	Printed Name: BOB CONGLETON
	Company: ANCHOR ENV.	Company: SENVQ4	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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0005

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 #:	OSD332-01
Samplers:	BH/EA/KT
Page:	11 of 15
Date:	7/21/06
Ice Present?	Y
No. of Coolers:	19
Cooler Temps:	1.5 - 5.0 — SOILS; 2.6 - 2.8° — 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 (FREEZE)		Notes/Comments
T4-S3-06-A	7/20	1217	Sediment	3	X	X	X	X	X	X			
-B	↓	↓	↓	↓	X	X	X	X	X	X			ARCHIVE =
-C	↓	↓	↓	↓							X		FREEZE
-D	↓	↓	↓	↓							↓		
-E	↓	↓	↓	↓							↓		
-F	↓	↓	↓	↓							↓		
-G	↓	↓	↓	↓							↓		
-H	↓	↓	↓	↓							↓		
-J	↓	↓	↓	↓							↓		
-K	↓	↓	↓	↓							↓		

Comments/Special Instructions

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

Relinquished by: (Signature)		Received by: (Signature)	Bob Congleton
Printed Name:		Printed Name:	BOB CONGLETON
Company:		Company:	ARI
Date & Time:		Date & Time:	7/21/06 1635

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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: _____ Project Name: _____

NO.: _____ Delivered By: COURIER

king NO.: _____ Date: _____

Job No.: _____ 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: [illegible] 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: [illegible] 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: JQ35

prepared
by

Analytical Resources, Inc.

Case Narrative

Client: Anchor Environmental
Project: 050332-01 T4 Early Action
Matrix: Sediment
ARI Job Nos. JQ35

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

Sample receipt

Sixteen sediment samples were received July 21, 2006 under ARI Job JQ35 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.

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.

Sample T4-S3-02-D has the surrogate listed as "NR" for no recovery, due to interference from the high target response in the sample.

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 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 recovery and RPDs within limits.

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. The first analysis of sample T4-S3-05-F had unacceptable surrogate recoveries. The sample was removed from frozen archive and re-extracted after thawing, still within acceptable holding time for sediment, so only the valid results have been submitted.

Initial and continuing calibrations were within method requirements.

The method blanks were clean at the reporting limit.

LCS recoveries were within ARI limits for both extraction dates.

Surrogates recoveries were within ARI control limits with the exception of d10-2-Methylnaphthalene in sample T4-S3-05-G at 102%. No corrective action was taken as the result was within 2% of the spiked value.

Internal standard areas were within method limits.

The MS/MSD recoveries and RPDs were within limits with the exception of Benzo(k)fluoranthene which had recoveries high of ARI limits. No corrective action is required for matrix QC and outliers were attributed to concentrations in the parent sample.

There were no other incidents of note.

Total Metals

The samples were digested and analyzed within holding times. Due to QC outside of limits, sample T4-S3-02-C and the associated duplicate and MS were re-digested and reanalyzed.

The method blanks was clean at the reporting limit with the exception of a small amount of Zinc in both. 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 first MS had Zinc recovery of 240%. The sample T4-S3-02-C and the associated duplicate and MS were re-digested and reanalyzed, with a result of 132% recovery. Results were attributed to non-homogenous sample and no further action was taken.

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 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.: JQ35
Client Project No.: T4 Early Action, 050332-01	

Case Narrative

1. Sixteen 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: Gwenna Smith Date: Aug 9, 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: JQ35

prepared
by

Analytical Resources, Inc.

SIM SEMIVOLATILES

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-02-C
SAMPLE

Lab Sample ID: JQ35A
LIMS ID: 06-12956
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/08/06 10:17
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: 20.0
Percent Moisture: 46.8%
pH: 6.7

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**99**	**160**
91-57-6	2-Methylnaphthalene	99	< 99 U
90-12-0	1-Methylnaphthalene	99	< 99 U
208-96-8	Acenaphthylene	99	< 99 U
83-32-9	**Acenaphthene**	**99**	**890**
86-73-7	**Fluorene**	**99**	**480**
85-01-8	**Phenanthrene**	**99**	**4,000**
120-12-7	**Anthracene**	**99**	**880**
206-44-0	**Fluoranthene**	**99**	**8,900**
129-00-0	**Pyrene**	**99**	**8,200**
56-55-3	**Benzo(a)anthracene**	**99**	**5,500**
218-01-9	**Chrysene**	**99**	**6,700**
205-99-2	**Benzo(b)fluoranthene**	**99**	**7,100**
207-08-9	**Benzo(k)fluoranthene**	**99**	**6,400**
50-32-8	**Benzo(a)pyrene**	**99**	**7,600**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**99**	**4,600**
53-70-3	**Dibenz(a,h)anthracene**	**99**	**1,700**
191-24-2	**Benzo(g,h,i)perylene**	**99**	**5,600**
198-55-0	**Perylene**	**99**	**2,300**
92-52-4	Biphenyl	99	< 99 U
581-42-0	2,6-Dimethylnaphthalene	99	< 99 U
832-69-9	**1-Methylphenanthrene**	**99**	**260**
192-97-2	**Benzo(e)pyrene**	**99**	**4,500**
2245-38-7	2,3,5-Trimethylnaphthalene	99	< 99 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	76.7%
d14-Dibenzo(a,h)anthracen	66.0%

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-02-D
SAMPLE

Lab Sample ID: JQ35B
LIMS ID: 06-12957
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 12:55
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 2.32 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 42.0%
pH: 6.3

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**220**	**410**
91-57-6	**2-Methylnaphthalene**	**220**	**220**
90-12-0	1-Methylnaphthalene	220	< 220 U
208-96-8	Acenaphthylene	220	< 220 U
83-32-9	**Acenaphthene**	**220**	**2,400**
86-73-7	**Fluorene**	**220**	**1,100**
85-01-8	**Phenanthrene**	**220**	**9,000**
120-12-7	**Anthracene**	**220**	**1,900**
206-44-0	**Fluoranthene**	**220**	**20,000**
129-00-0	**Pyrene**	**220**	**18,000**
56-55-3	**Benzo(a)anthracene**	**220**	**13,000**
218-01-9	**Chrysene**	**220**	**15,000**
205-99-2	**Benzo(b)fluoranthene**	**220**	**16,000**
207-08-9	**Benzo(k)fluoranthene**	**220**	**13,000**
50-32-8	**Benzo(a)pyrene**	**220**	**17,000**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**220**	**10,000**
53-70-3	**Dibenz(a,h)anthracene**	**220**	**3,800**
191-24-2	**Benzo(g,h,i)perylene**	**220**	**12,000**
198-55-0	**Perylene**	**220**	**4,700**
92-52-4	Biphenyl	220	< 220 U
581-42-0	2,6-Dimethylnaphthalene	220	< 220 U
832-69-9	**1-Methylphenanthrene**	**220**	**580**
192-97-2	**Benzo(e)pyrene**	**220**	**9,800**
2245-38-7	2,3,5-Trimethylnaphthalene	220	< 220 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	68.3%
d14-Dibenzo(a,h)anthracen	85.3%

FORM I

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-02-E
SAMPLE

Lab Sample ID: JQ35C
LIMS ID: 06-12958
Matrix: Sediment
Data Release Authorized: VB
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 13:19
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 2.44 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 39.1%
pH: 6.8

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**200**	**530**
91-57-6	**2-Methylnaphthalene**	**200**	**220**
90-12-0	1-Methylnaphthalene	200	< 200 U
208-96-8	Acenaphthylene	200	< 200 U
83-32-9	**Acenaphthene**	**200**	**2,400**
86-73-7	**Fluorene**	**200**	**1,000**
85-01-8	**Phenanthrene**	**200**	**8,300**
120-12-7	**Anthracene**	**200**	**1,900**
206-44-0	**Fluoranthene**	**200**	**19,000**
129-00-0	**Pyrene**	**200**	**16,000**
56-55-3	**Benzo(a)anthracene**	**200**	**12,000**
218-01-9	**Chrysene**	**200**	**14,000**
205-99-2	**Benzo(b)fluoranthene**	**200**	**15,000**
207-08-9	**Benzo(k)fluoranthene**	**200**	**12,000**
50-32-8	**Benzo(a)pyrene**	**200**	**15,000**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**200**	**9,300**
53-70-3	**Dibenz(a,h)anthracene**	**200**	**3,100**
191-24-2	**Benzo(g,h,i)perylene**	**200**	**11,000**
198-55-0	**Perylene**	**200**	**4,200**
92-52-4	Biphenyl	200	< 200 U
581-42-0	2,6-Dimethylnaphthalene	200	< 200 U
832-69-9	**1-Methylphenanthrene**	**200**	**510**
192-97-2	**Benzo(e)pyrene**	**200**	**9,000**
2245-38-7	2,3,5-Trimethylnaphthalene	200	< 200 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	64.7%
d14-Dibenzo(a,h)anthracen	95.3%

FORM I

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-02-F
SAMPLE

Lab Sample ID: JQ35D
LIMS ID: 06-12959
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 13:44
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 1.95 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 44.9%
pH: 6.4

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	260	< 260 U
91-57-6	2-Methylnaphthalene	260	< 260 U
90-12-0	1-Methylnaphthalene	260	< 260 U
208-96-8	Acenaphthylene	260	< 260 U
83-32-9	**Acenaphthene**	**260**	**720**
86-73-7	**Fluorene**	**260**	**410**
85-01-8	**Phenanthrene**	**260**	**3,000**
120-12-7	**Anthracene**	**260**	**620**
206-44-0	**Fluoranthene**	**260**	**6,600**
129-00-0	**Pyrene**	**260**	**6,200**
56-55-3	**Benzo(a)anthracene**	**260**	**3,700**
218-01-9	**Chrysene**	**260**	**4,700**
205-99-2	**Benzo(b)fluoranthene**	**260**	**4,900**
207-08-9	**Benzo(k)fluoranthene**	**260**	**4,200**
50-32-8	**Benzo(a)pyrene**	**260**	**5,100**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**260**	**3,200**
53-70-3	**Dibenz(a,h)anthracene**	**260**	**1,200**
191-24-2	**Benzo(g,h,i)perylene**	**260**	**3,700**
198-55-0	**Perylene**	**260**	**1,600**
92-52-4	Biphenyl	260	< 260 U
581-42-0	2,6-Dimethylnaphthalene	260	< 260 U
832-69-9	**1-Methylphenanthrene**	**260**	**330**
192-97-2	**Benzo(e)pyrene**	**260**	**3,000**
2245-38-7	2,3,5-Trimethylnaphthalene	260	< 260 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	65.0%
d14-Dibenzo(a,h)anthracen	76.0%

FORM I

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-03-B
SAMPLE

Lab Sample ID: JQ35E
LIMS ID: 06-12960
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 14:09
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 2.53 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 44.2%
pH: 6.8

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**200**	**240**
91-57-6	2-Methylnaphthalene	200	< 200 U
90-12-0	1-Methylnaphthalene	200	< 200 U
208-96-8	Acenaphthylene	200	< 200 U
83-32-9	**Acenaphthene**	**200**	**870**
86-73-7	**Fluorene**	**200**	**670**
85-01-8	**Phenanthrene**	**200**	**4,100**
120-12-7	**Anthracene**	**200**	**630**
206-44-0	**Fluoranthene**	**200**	**9,000**
129-00-0	**Pyrene**	**200**	**7,600**
56-55-3	**Benzo(a)anthracene**	**200**	**4,600**
218-01-9	**Chrysene**	**200**	**6,300**
205-99-2	**Benzo(b)fluoranthene**	**200**	**6,300**
207-08-9	**Benzo(k)fluoranthene**	**200**	**5,100**
50-32-8	**Benzo(a)pyrene**	**200**	**5,900**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**200**	**3,600**
53-70-3	**Dibenz(a,h)anthracene**	**200**	**1,300**
191-24-2	**Benzo(g,h,i)perylene**	**200**	**4,300**
198-55-0	**Perylene**	**200**	**1,900**
92-52-4	Biphenyl	200	< 200 U
581-42-0	2,6-Dimethylnaphthalene	200	< 200 U
832-69-9	**1-Methylphenanthrene**	**200**	**320**
192-97-2	**Benzo(e)pyrene**	**200**	**3,800**
2245-38-7	2,3,5-Trimethylnaphthalene	200	< 200 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	68.3%
d14-Dibenzo(a,h)anthracen	77.7%

FORM I

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
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Sample ID: T4-S3-03-C
SAMPLE

Lab Sample ID: JQ35F
LIMS ID: 06-12961
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 14:34
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: 40.6%
pH: 6.6

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**50**	**69**
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**	**170**
86-73-7	**Fluorene**	**50**	**120**
85-01-8	**Phenanthrene**	**50**	**610**
120-12-7	**Anthracene**	**50**	**110**
206-44-0	**Fluoranthene**	**50**	**1,300**
129-00-0	**Pyrene**	**50**	**1,300**
56-55-3	**Benzo(a)anthracene**	**50**	**570**
218-01-9	**Chrysene**	**50**	**830**
205-99-2	**Benzo(b)fluoranthene**	**50**	**730**
207-08-9	**Benzo(k)fluoranthene**	**50**	**690**
50-32-8	**Benzo(a)pyrene**	**50**	**790**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**50**	**490**
53-70-3	**Dibenz(a,h)anthracene**	**50**	**150**
191-24-2	**Benzo(g,h,i)perylene**	**50**	**640**
198-55-0	**Perylene**	**50**	**400**
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**	**54**

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	69.3%
d14-Dibenzo(a,h)anthracen	66.7%

FORM I

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-03-D
SAMPLE

Lab Sample ID: JQ35G
LIMS ID: 06-12962
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 14:59
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: 32.8%
pH: 6.8

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**50**	**50**
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**	**140**
86-73-7	**Fluorene**	**50**	**99**
85-01-8	**Phenanthrene**	**50**	**620**
120-12-7	**Anthracene**	**50**	**94**
206-44-0	**Fluoranthene**	**50**	**1,000**
129-00-0	**Pyrene**	**50**	**1,200**
56-55-3	**Benzo(a)anthracene**	**50**	**420**
218-01-9	**Chrysene**	**50**	**600**
205-99-2	**Benzo(b)fluoranthene**	**50**	**480**
207-08-9	**Benzo(k)fluoranthene**	**50**	**420**
50-32-8	**Benzo(a)pyrene**	**50**	**520**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**50**	**310**
53-70-3	**Dibenz(a,h)anthracene**	**50**	**99**
191-24-2	**Benzo(g,h,i)perylene**	**50**	**390**
198-55-0	**Perylene**	**50**	**280**
92-52-4	Biphenyl	50	< 50 U
581-42-0	**2,6-Dimethylnaphthalene**	**50**	**64**
832-69-9	1-Methylphenanthrene	50	< 50 U
192-97-2	**Benzo(e)pyrene**	**50**	**320**
2245-38-7	**2,3,5-Trimethylnaphthalene**	**50**	**110**

Reported in μg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	55.3%
d14-Dibenzo(a,h)anthracen	54.0%

FORM I

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-05-E
SAMPLE

Lab Sample ID: JQ35H
LIMS ID: 06-12963
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/08/06 10:42
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: 47.7%
pH: 6.4

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**98**	**150**
91-57-6	2-Methylnaphthalene	98	< 98 U
90-12-0	1-Methylnaphthalene	98	< 98 U
208-96-8	Acenaphthylene	98	< 98 U
83-32-9	**Acenaphthene**	**98**	**710**
86-73-7	**Fluorene**	**98**	**340**
85-01-8	**Phenanthrene**	**98**	**2,900**
120-12-7	**Anthracene**	**98**	**650**
206-44-0	**Fluoranthene**	**98**	**6,400**
129-00-0	**Pyrene**	**98**	**6,200**
56-55-3	**Benzo(a)anthracene**	**98**	**3,800**
218-01-9	**Chrysene**	**98**	**4,500**
205-99-2	**Benzo(b)fluoranthene**	**98**	**5,000**
207-08-9	**Benzo(k)fluoranthene**	**98**	**3,900**
50-32-8	**Benzo(a)pyrene**	**98**	**5,200**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**98**	**3,200**
53-70-3	**Dibenz(a,h)anthracene**	**98**	**1,100**
191-24-2	**Benzo(g,h,i)perylene**	**98**	**3,800**
198-55-0	**Perylene**	**98**	**1,500**
92-52-4	Biphenyl	98	< 98 U
581-42-0	2,6-Dimethylnaphthalene	98	< 98 U
832-69-9	**1-Methylphenanthrene**	**98**	**220**
192-97-2	**Benzo(e)pyrene**	**98**	**3,000**
2245-38-7	2,3,5-Trimethylnaphthalene	98	< 98 U

Reported in μg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	70.7%
d14-Dibenzo(a,h)anthracen	74.7%

FORM I

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-05-F
SAMPLE

Lab Sample ID: JQ35I
LIMS ID: 06-12964
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/09/06
Date Analyzed: 08/10/06 21:14
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 2.83 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 43.7%
pH: 6.8

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	180	390
91-57-6	2-Methylnaphthalene	180	210
90-12-0	1-Methylnaphthalene	180	88 J
208-96-8	Acenaphthylene	180	< 180 U
83-32-9	Acenaphthene	180	1,900
86-73-7	Fluorene	180	810
85-01-8	Phenanthrene	180	7,500
120-12-7	Anthracene	180	1,700
206-44-0	Fluoranthene	180	18,000
129-00-0	Pyrene	180	14,000
56-55-3	Benzo(a)anthracene	180	11,000
218-01-9	Chrysene	180	13,000
205-99-2	Benzo(b)fluoranthene	180	14,000
207-08-9	Benzo(k)fluoranthene	180	14,000
50-32-8	Benzo(a)pyrene	180	15,000
193-39-5	Indeno(1,2,3-cd)pyrene	180	6,600
53-70-3	Dibenz(a,h)anthracene	180	2,600
191-24-2	Benzo(g,h,i)perylene	180	6,600
198-55-0	Perylene	180	4,600
92-52-4	Biphenyl	180	< 180 U
581-42-0	2,6-Dimethylnaphthalene	180	< 180 U
832-69-9	1-Methylphenanthrene	180	420
192-97-2	Benzo(e)pyrene	180	9,200
2245-38-7	2,3,5-Trimethylnaphthalene	180	< 180 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	77.7%
d14-Dibenzo(a,h)anthracen	86.7%

FORM I

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-05-G
SAMPLE

Lab Sample ID: JQ35J
LIMS ID: 06-12965
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/08/06 11:07
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 2.31 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 20.0
Percent Moisture: 42.9%
pH: 6.5

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**430**	**650**
91-57-6	2-Methylnaphthalene	430	< 430 U
90-12-0	1-Methylnaphthalene	430	< 430 U
208-96-8	Acenaphthylene	430	< 430 U
83-32-9	**Acenaphthene**	**430**	**3,900**
86-73-7	**Fluorene**	**430**	**1,700**
85-01-8	**Phenanthrene**	**430**	**14,000**
120-12-7	**Anthracene**	**430**	**3,300**
206-44-0	**Fluoranthene**	**430**	**33,000**
129-00-0	**Pyrene**	**430**	**30,000**
56-55-3	**Benzo(a)anthracene**	**430**	**21,000**
218-01-9	**Chrysene**	**430**	**25,000**
205-99-2	**Benzo(b)fluoranthene**	**430**	**24,000**
207-08-9	**Benzo(k)fluoranthene**	**430**	**26,000**
50-32-8	**Benzo(a)pyrene**	**430**	**28,000**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**430**	**17,000**
53-70-3	**Dibenz(a,h)anthracene**	**430**	**6,500**
191-24-2	**Benzo(g,h,i)perylene**	**430**	**20,000**
198-55-0	**Perylene**	**430**	**8,100**
92-52-4	Biphenyl	430	< 430 U
581-42-0	2,6-Dimethylnaphthalene	430	< 430 U
832-69-9	**1-Methylphenanthrene**	**430**	**1,200**
192-97-2	**Benzo(e)pyrene**	**430**	**17,000**
2245-38-7	2,3,5-Trimethylnaphthalene	430	< 430 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	102%
d14-Dibenzo(a,h)anthracen	99.3%

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-05-H
SAMPLE

Lab Sample ID: JQ35K
LIMS ID: 06-12966
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 18:42
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 2.59 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 42.5%
pH: 6.8

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**190**	**310**
91-57-6	2-Methylnaphthalene	190	< 190 U
90-12-0	1-Methylnaphthalene	190	< 190 U
208-96-8	Acenaphthylene	190	< 190 U
83-32-9	**Acenaphthene**	**190**	**1,700**
86-73-7	**Fluorene**	**190**	**730**
85-01-8	**Phenanthrene**	**190**	**6,500**
120-12-7	**Anthracene**	**190**	**1,500**
206-44-0	**Fluoranthene**	**190**	**15,000**
129-00-0	**Pyrene**	**190**	**14,000**
56-55-3	**Benzo(a)anthracene**	**190**	**9,500**
218-01-9	**Chrysene**	**190**	**11,000**
205-99-2	**Benzo(b)fluoranthene**	**190**	**11,000**
207-08-9	**Benzo(k)fluoranthene**	**190**	**12,000**
50-32-8	**Benzo(a)pyrene**	**190**	**13,000**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**190**	**6,400**
53-70-3	**Dibenz(a,h)anthracene**	**190**	**2,600**
191-24-2	**Benzo(g,h,i)perylene**	**190**	**6,700**
198-55-0	**Perylene**	**190**	**3,600**
92-52-4	Biphenyl	190	< 190 U
581-42-0	2,6-Dimethylnaphthalene	190	< 190 U
832-69-9	**1-Methylphenanthrene**	**190**	**420**
192-97-2	**Benzo(e)pyrene**	**190**	**7,500**
2245-38-7	2,3,5-Trimethylnaphthalene	190	< 190 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	65.3%
d14-Dibenzo(a,h)anthracen	72.7%

FORM I

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-05-J
SAMPLE

Lab Sample ID: JQ35L
LIMS ID: 06-12967
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/08/06 12:21
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: 2.00
Percent Moisture: 20.2%
pH: 6.0

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**9.6**	**14**
91-57-6	2-Methylnaphthalene	9.6	< 9.6 U
90-12-0	1-Methylnaphthalene	9.6	< 9.6 U
208-96-8	Acenaphthylene	9.6	< 9.6 U
83-32-9	**Acenaphthene**	**9.6**	**62**
86-73-7	**Fluorene**	**9.6**	**26**
85-01-8	**Phenanthrene**	**9.6**	**230**
120-12-7	**Anthracene**	**9.6**	**57**
206-44-0	**Fluoranthene**	**9.6**	**510**
129-00-0	**Pyrene**	**9.6**	**490**
56-55-3	**Benzo(a)anthracene**	**9.6**	**330**
218-01-9	**Chrysene**	**9.6**	**390**
205-99-2	**Benzo(b)fluoranthene**	**9.6**	**400**
207-08-9	**Benzo(k)fluoranthene**	**9.6**	**350**
50-32-8	**Benzo(a)pyrene**	**9.6**	**430**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**9.6**	**270**
53-70-3	**Dibenz(a,h)anthracene**	**9.6**	**100**
191-24-2	**Benzo(g,h,i)perylene**	**9.6**	**310**
198-55-0	**Perylene**	**9.6**	**120**
92-52-4	Biphenyl	9.6	< 9.6 U
581-42-0	2,6-Dimethylnaphthalene	9.6	< 9.6 U
832-69-9	**1-Methylphenanthrene**	**9.6**	**19**
192-97-2	**Benzo(e)pyrene**	**9.6**	**250**
2245-38-7	2,3,5-Trimethylnaphthalene	9.6	< 9.6 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	58.4%
d14-Dibenzo(a,h)anthracen	67.3%

FORM I

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-06-A
SAMPLE

Lab Sample ID: JQ35M
LIMS ID: 06-12968
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 19:31
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: 48.0%
pH: 7.5

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**49**	**83**
91-57-6	2-Methylnaphthalene	49	< 49 U
90-12-0	1-Methylnaphthalene	49	< 49 U
208-96-8	Acenaphthylene	49	< 49 U
83-32-9	**Acenaphthene**	**49**	**350**
86-73-7	**Fluorene**	**49**	**200**
85-01-8	**Phenanthrene**	**49**	**1,600**
120-12-7	**Anthracene**	**49**	**350**
206-44-0	**Fluoranthene**	**49**	**3,800**
129-00-0	**Pyrene**	**49**	**3,200**
56-55-3	**Benzo(a)anthracene**	**49**	**2,000**
218-01-9	**Chrysene**	**49**	**2,600**
205-99-2	**Benzo(b)fluoranthene**	**49**	**2,600**
207-08-9	**Benzo(k)fluoranthene**	**49**	**2,400**
50-32-8	**Benzo(a)pyrene**	**49**	**2,700**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**49**	**1,300**
53-70-3	**Dibenz(a,h)anthracene**	**49**	**520**
191-24-2	**Benzo(g,h,i)perylene**	**49**	**1,400**
198-55-0	**Perylene**	**49**	**880**
92-52-4	Biphenyl	49	< 49 U
581-42-0	2,6-Dimethylnaphthalene	49	< 49 U
832-69-9	1-Methylphenanthrene	49	< 49 U
192-97-2	**Benzo(e)pyrene**	**49**	**1,600**
2245-38-7	2,3,5-Trimethylnaphthalene	49	< 49 U

Reported in μg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	66.7%
d14-Dibenzo(a,h)anthracen	75.3%

FORM I

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-06-B
SAMPLE

Lab Sample ID: JQ35N
LIMS ID: 06-12969
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 19:56
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: 1.00
Percent Moisture: 23.2%
pH: 6.5

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	4.8	< 4.8 U
91-57-6	2-Methylnaphthalene	4.8	< 4.8 U
90-12-0	1-Methylnaphthalene	4.8	< 4.8 U
208-96-8	Acenaphthylene	4.8	< 4.8 U
83-32-9	Acenaphthene	4.8	< 4.8 U
86-73-7	Fluorene	4.8	< 4.8 U
85-01-8	**Phenanthrene**	**4.8**	**16**
120-12-7	Anthracene	4.8	< 4.8 U
206-44-0	**Fluoranthene**	**4.8**	**40**
129-00-0	**Pyrene**	**4.8**	**38**
56-55-3	**Benzo(a)anthracene**	**4.8**	**22**
218-01-9	**Chrysene**	**4.8**	**29**
205-99-2	**Benzo(b)fluoranthene**	**4.8**	**31**
207-08-9	**Benzo(k)fluoranthene**	**4.8**	**26**
50-32-8	**Benzo(a)pyrene**	**4.8**	**27**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.8**	**16**
53-70-3	**Dibenz(a,h)anthracene**	**4.8**	**5.8**
191-24-2	**Benzo(g,h,i)perylene**	**4.8**	**16**
198-55-0	**Perylene**	**4.8**	**11**
92-52-4	Biphenyl	4.8	< 4.8 U
581-42-0	2,6-Dimethylnaphthalene	4.8	< 4.8 U
832-69-9	1-Methylphenanthrene	4.8	< 4.8 U
192-97-2	**Benzo(e)pyrene**	**4.8**	**18**
2245-38-7	2,3,5-Trimethylnaphthalene	4.8	< 4.8 U

Reported in μg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	57.3%
d14-Dibenzo(a,h)anthracen	65.7%

FORM I

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-08-B
SAMPLE

Lab Sample ID: JQ35O
LIMS ID: 06-12970
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 20:21
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: 29.9%
pH: 6.9

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**49**	**93**
91-57-6	**2-Methylnaphthalene**	**49**	**49**
90-12-0	1-Methylnaphthalene	49	< 49 U
208-96-8	Acenaphthylene	49	< 49 U
83-32-9	**Acenaphthene**	**49**	**550**
86-73-7	**Fluorene**	**49**	**260**
85-01-8	**Phenanthrene**	**49**	**2,100**
120-12-7	**Anthracene**	**49**	**500**
206-44-0	**Fluoranthene**	**49**	**4,900**
129-00-0	**Pyrene**	**49**	**4,500**
56-55-3	**Benzo(a)anthracene**	**49**	**3,100**
218-01-9	**Chrysene**	**49**	**3,800**
205-99-2	**Benzo(b)fluoranthene**	**49**	**4,000**
207-08-9	**Benzo(k)fluoranthene**	**49**	**4,100**
50-32-8	**Benzo(a)pyrene**	**49**	**4,400**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**49**	**2,000**
53-70-3	**Dibenz(a,h)anthracene**	**49**	**700**
191-24-2	**Benzo(g,h,i)perylene**	**49**	**2,000**
198-55-0	**Perylene**	**49**	**1,300**
92-52-4	Biphenyl	49	< 49 U
581-42-0	2,6-Dimethylnaphthalene	49	< 49 U
832-69-9	**1-Methylphenanthrene**	**49**	**140**
192-97-2	**Benzo(e)pyrene**	**49**	**2,600**
2245-38-7	2,3,5-Trimethylnaphthalene	49	< 49 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	69.0%
d14-Dibenzo(a,h)anthracen	78.7%

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-08-C
SAMPLE

Lab Sample ID: JQ35P
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 20:46
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: 1.00
Percent Moisture: 16.7%
pH: 6.0

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**4.8**	**4.8**
91-57-6	2-Methylnaphthalene	4.8	< 4.8 U
90-12-0	1-Methylnaphthalene	4.8	< 4.8 U
208-96-8	Acenaphthylene	4.8	< 4.8 U
83-32-9	**Acenaphthene**	**4.8**	**26**
86-73-7	**Fluorene**	**4.8**	**14**
85-01-8	**Phenanthrene**	**4.8**	**120**
120-12-7	**Anthracene**	**4.8**	**26**
206-44-0	**Fluoranthene**	**4.8**	**280**
129-00-0	**Pyrene**	**4.8**	**250**
56-55-3	**Benzo(a)anthracene**	**4.8**	**170**
218-01-9	**Chrysene**	**4.8**	**210**
205-99-2	**Benzo(b)fluoranthene**	**4.8**	**240**
207-08-9	**Benzo(k)fluoranthene**	**4.8**	**180**
50-32-8	**Benzo(a)pyrene**	**4.8**	**230**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.8**	**110**
53-70-3	**Dibenz(a,h)anthracene**	**4.8**	**40**
191-24-2	**Benzo(g,h,i)perylene**	**4.8**	**120**
198-55-0	**Perylene**	**4.8**	**71**
92-52-4	Biphenyl	4.8	< 4.8 U
581-42-0	2,6-Dimethylnaphthalene	4.8	< 4.8 U
832-69-9	**1-Methylphenanthrene**	**4.8**	**7.7**
192-97-2	**Benzo(e)pyrene**	**4.8**	**140**
2245-38-7	2,3,5-Trimethylnaphthalene	4.8	< 4.8 U

Reported in μg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	50.0%
d14-Dibenzo(a,h)anthracen	67.0%

0033

ANALYTICAL RESOURCES INCORPORATED

SIM SW8270 SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	MNP	DBA	TOT OUT
T4-S3-02-C	76.7%	66.0%	0
T4-S3-02-D	68.3%	85.3%	0
T4-S3-02-E	64.7%	95.3%	0
T4-S3-02-F	65.0%	76.0%	0
T4-S3-03-B	68.3%	77.7%	0
T4-S3-03-C	69.3%	66.7%	0
T4-S3-03-D	55.3%	54.0%	0
T4-S3-05-E	70.7%	74.7%	0
T4-S3-05-G	102%*	99.3%	1
T4-S3-05-H	65.3%	72.7%	0
T4-S3-05-J	58.4%	67.3%	0
T4-S3-06-A	66.7%	75.3%	0
T4-S3-06-B	57.3%	65.7%	0
T4-S3-08-B	69.0%	78.7%	0
MB-080106	62.3%	74.3%	0
LCS-080106	75.3%	86.0%	0
T4-S3-08-C	50.0%	67.0%	0
T4-S3-08-C MS	73.3%	73.7%	0
T4-S3-08-C MSD	60.0%	61.7%	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: 06-12956 to 06-12971

FORM-II SIM SW8270

ANALYTICAL RESOURCES INCORPORATED

SIM SW8270 SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	MNP	DBA	TOT OUT
MB-080906	74.7%	69.3%	0
LCS-080906	81.0%	75.7%	0
T4-S3-05-F	77.7%	86.7%	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: 06-12964 to 06-12964

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-08-C
MATRIX SPIKE

Lab Sample ID: JQ35P
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted MS/MSD: 08/01/06

Date Analyzed MS: 08/07/06 21:10
MSD: 08/07/06 21:35
Instrument/Analyst MS: Und: 7/YZ
MSD: Und: 7/YZ

Sample Amount MS: 10.4 g-dry-wt
MSD: 10.4 g-dry-wt
Final Extract Volume MS: 0.50 mL
MSD: 0.50 mL
Dilution Factor MS: 1.00
MSD: 1.00

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Phenanthrene	121	235	144	79.2%	231	144	76.4%	1.7%
Chrysene	208	349	144	97.9%	337	144	89.6%	3.5%
Benzo(k)fluoranthene	185	361	144	122%	354	144	117%	2.0%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-08-C
MATRIX SPIKE

Lab Sample ID: JQ35P
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 21:10
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: 1.00
Percent Moisture: 16.7%
pH: 6.0

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**4.8**	**6.2**
91-57-6	2-Methylnaphthalene	4.8	< 4.8 U
90-12-0	1-Methylnaphthalene	4.8	< 4.8 U
208-96-8	Acenaphthylene	4.8	< 4.8 U
83-32-9	**Acenaphthene**	**4.8**	**30**
86-73-7	**Fluorene**	**4.8**	**13**
85-01-8	Phenanthrene	4.8	---
120-12-7	**Anthracene**	**4.8**	**28**
206-44-0	**Fluoranthene**	**4.8**	**280**
129-00-0	**Pyrene**	**4.8**	**250**
56-55-3	**Benzo(a)anthracene**	**4.8**	**180**
218-01-9	Chrysene	4.8	---
205-99-2	**Benzo(b)fluoranthene**	**4.8**	**210**
207-08-9	Benzo(k)fluoranthene	4.8	---
50-32-8	**Benzo(a)pyrene**	**4.8**	**240**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.8**	**120**
53-70-3	**Dibenz(a,h)anthracene**	**4.8**	**47**
191-24-2	**Benzo(g,h,i)perylene**	**4.8**	**130**
198-55-0	**Perylene**	**4.8**	**75**
92-52-4	Biphenyl	4.8	< 4.8 U
581-42-0	2,6-Dimethylnaphthalene	4.8	< 4.8 U
832-69-9	1-Methylphenanthrene	4.8	< 4.8 U
192-97-2	**Benzo(e)pyrene**	**4.8**	**140**
2245-38-7	2,3,5-Trimethylnaphthalene	4.8	< 4.8 U

Reported in μg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	73.3%
d14-Dibenzo(a,h)anthracen	73.7%

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-08-C
MATRIX SPIKE DUPLICATE

Lab Sample ID: JQ35P
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 21:35
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: 1.00
Percent Moisture: 16.7%
pH: 6.0

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**4.8**	**6.2**
91-57-6	2-Methylnaphthalene	4.8	< 4.8 U
90-12-0	1-Methylnaphthalene	4.8	< 4.8 U
208-96-8	Acenaphthylene	4.8	< 4.8 U
83-32-9	**Acenaphthene**	**4.8**	**32**
86-73-7	**Fluorene**	**4.8**	**16**
85-01-8	Phenanthrene	4.8	---
120-12-7	**Anthracene**	**4.8**	**29**
206-44-0	**Fluoranthene**	**4.8**	**300**
129-00-0	**Pyrene**	**4.8**	**280**
56-55-3	**Benzo(a)anthracene**	**4.8**	**190**
218-01-9	Chrysene	4.8	---
205-99-2	**Benzo(b)fluoranthene**	**4.8**	**210**
207-08-9	Benzo(k)fluoranthene	4.8	---
50-32-8	**Benzo(a)pyrene**	**4.8**	**240**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.8**	**120**
53-70-3	**Dibenz(a,h)anthracene**	**4.8**	**47**
191-24-2	**Benzo(g,h,i)perylene**	**4.8**	**120**
198-55-0	**Perylene**	**4.8**	**75**
92-52-4	Biphenyl	4.8	< 4.8 U
581-42-0	2,6-Dimethylnaphthalene	4.8	< 4.8 U
832-69-9	**1-Methylphenanthrene**	**4.8**	**7.7**
192-97-2	**Benzo(e)pyrene**	**4.8**	**140**
2245-38-7	2,3,5-Trimethylnaphthalene	4.8	< 4.8 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	60.0%
d14-Dibenzo(a,h)anthracen	61.7%

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: LCS-080106
LAB CONTROL SAMPLE

Lab Sample ID: LCS-080106
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 08/01/06
Date Analyzed LCS: 08/07/06 11:40
Instrument/Analyst LCS: FINN3/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	100	150	66.7%
1-Methylnaphthalene	98.5	150	65.7%
Acenaphthylene	108	150	72.0%
Acenaphthene	108	150	72.0%
Fluorene	117	150	78.0%
Phenanthrene	121	150	80.7%
Anthracene	118	150	78.7%
Fluoranthene	131	150	87.3%
Pyrene	124	150	82.7%
Benzo(a)anthracene	124	150	82.7%
Chrysene	130	150	86.7%
Benzo(b)fluoranthene	130	150	86.7%
Benzo(k)fluoranthene	130	150	86.7%
Benzo(a)pyrene	116	150	77.3%
Indeno(1,2,3-cd)pyrene	118	150	78.7%
Dibenz(a,h)anthracene	123	150	82.0%
Benzo(g,h,i)perylene	128	150	85.3%

Reported in μg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	75.3%
d14-Dibenzo(a,h)anthracen	86.0%

FORM III

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: LCS-080906
LAB CONTROL SAMPLE

Lab Sample ID: LCS-080906
LIMS ID: 06-12964
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 08/09/06
Date Analyzed LCS: 08/10/06 20:49
Instrument/Analyst LCS: FINN3/VTS

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	112	150	74.7%
1-Methylnaphthalene	103	150	68.7%
Acenaphthylene	119	150	79.3%
Acenaphthene	120	150	80.0%
Fluorene	120	150	80.0%
Phenanthrene	128	150	85.3%
Anthracene	127	150	84.7%
Fluoranthene	128	150	85.3%
Pyrene	128	150	85.3%
Benzo(a)anthracene	130	150	86.7%
Chrysene	136	150	90.7%
Benzo(b)fluoranthene	142	150	94.7%
Benzo(k)fluoranthene	138	150	92.0%
Benzo(a)pyrene	129	150	86.0%
Indeno(1,2,3-cd)pyrene	91.5	150	61.0%
Dibenz(a,h)anthracene	99.0	150	66.0%
Benzo(g,h,i)perylene	84.0	150	56.0%

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	81.0%
d14-Dibenzo(a,h)anthracen	75.7%

FORM III

4B
SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

JQ35MBS1

Lab Name: ANALYTICAL RESOURCES, INC

Client: ANCHOR

ARI Job No: JQ35

Project: T4 EARLY ACTION

Lab File ID: JQ35MB

Date Extracted: 08/01/06

Instrument ID: NT1

Date Analyzed: 08/07/06

Matrix: SOLID

Time Analyzed: 1115

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	JQ35LCSS1	JQ35LCSS1	JQ35SB	08/07/06
02	T4-S3-02-D	JQ35B	JQ35B10	08/07/06
03	T4-S3-02-E	JQ35C	JQ35C10	08/07/06
04	T4-S3-02-F	JQ35D	JQ35D10	08/07/06
05	T4-S3-03-B	JQ35E	JQ35E10	08/07/06
06	T4-S3-03-C	JQ35F	JQ35F10	08/07/06
07	T4-S3-03-D	JQ35G	JQ35G10	08/07/06
08	T4-S3-05-H	JQ35K	JQ35K10	08/07/06
09	T4-S3-05-J	JQ35L	JQ35L	08/07/06
10	T4-S3-06-A	JQ35M	JQ35M10	08/07/06
11	T4-S3-06-B	JQ35N	JQ35N	08/07/06
12	T4-S3-08-B	JQ35O	JQ35O10	08/07/06
13	T4-S3-08-C	JQ35P	JQ35P	08/07/06
14	T4-S3-08-C MS	JQ35PMS	JQ35PMS	08/07/06
15	T4-S3-08-C MSD	JQ35PMSD	JQ35PMSD	08/07/06
16	T4-S3-02-C	JQ35A	JQ35A20	08/08/06
17	T4-S3-05-E	JQ35H	JQ35H20	08/08/06
18	T4-S3-05-G	JQ35J	JQ35J20	08/08/06
19	T4-S3-05-J	JQ35L	JQ35L2	08/08/06
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COMMENTS:

FORM IV SV

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: MB-080106
METHOD BLANK

Lab Sample ID: MB-080106
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 11:15
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	< 5.0 U
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	62.3%
d14-Dibenzo(a,h)anthracen	74.3%

4B
SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

JQ35MBS2

Lab Name: ANALYTICAL RESOURCES, INC
Client: ANCHOR

ARI Job No: JQ35
Project: T4 EARLY ACTION

Lab File ID: JQ35MBR
Date Extracted: 08/09/06

Instrument ID: NT1
Date Analyzed: 08/10/06

Matrix: SOLID
Time Analyzed: 2024

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	JQ35LCSS2	JQ35LCSS2	JQ35SBR	08/10/06
02	T4-S3-05-F	JQ35I	JQ35IRE	08/10/06
03				
04				
05				
06				
07				
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COMMENTS:

FORM IV SV

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: MB-080906
METHOD BLANK

Lab Sample ID: MB-080906
LIMS ID: 06-12964
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 08/09/06
Date Analyzed: 08/10/06 20:24
Instrument/Analyst: NT1/VTS
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	< 5.0 U
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	74.7%
d14-Dibenzo(a,h)anthracen	69.3%

FORM I

SEMIVOLATILE ORGANICS

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-02-C
SAMPLE

Lab Sample ID: JQ35A
LIMS ID: 06-12956
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 14:35
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 46.8%
pH: 6.7

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	31.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-02-D
SAMPLE

Lab Sample ID: JQ35B
LIMS ID: 06-12957
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 15:05
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 24.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 42.0%
pH: 6.3

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	38.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-02-E
SAMPLE

Lab Sample ID: JQ35C
LIMS ID: 06-12958
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 15:36
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 27.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 39.1%
pH: 6.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	110	< 110 U
84-66-2	Diethylphthalate	110	< 110 U
84-74-2	Di-n-Butylphthalate	110	< 110 U
85-68-7	Butylbenzylphthalate	110	< 110 U
117-81-7	bis(2-Ethylhexyl)phthalate	110	< 110 U
117-84-0	Di-n-Octyl phthalate	110	< 110 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	30.5%

FORM I

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-02-F
SAMPLE

Lab Sample ID: JQ35D
LIMS ID: 06-12959
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 16:06
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 20.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 44.9%
pH: 6.4

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	150	< 150 U
84-66-2	Diethylphthalate	150	< 150 U
84-74-2	Di-n-Butylphthalate	150	< 150 U
85-68-7	Butylbenzylphthalate	150	< 150 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**150**	**210 B**
117-84-0	Di-n-Octyl phthalate	150	< 150 U

Reported in μg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	45.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-03-B
SAMPLE

Lab Sample ID: JQ35E
LIMS ID: 06-12960
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 16:37
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 27.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 44.2%
pH: 6.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	110	< 110 U
84-66-2	Diethylphthalate	110	< 110 U
84-74-2	Di-n-Butylphthalate	110	< 110 U
85-68-7	Butylbenzylphthalate	110	< 110 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**110**	**140 B**
117-84-0	Di-n-Octyl phthalate	110	< 110 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	44.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-03-C
SAMPLE

Lab Sample ID: JQ35F
LIMS ID: 06-12961
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 17:07
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.9 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 40.6%
pH: 6.6

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	59	< 59 U
84-66-2	Diethylphthalate	59	< 59 U
84-74-2	Di-n-Butylphthalate	59	< 59 U
85-68-7	Butylbenzylphthalate	59	< 59 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**59**	**160 B**
117-84-0	Di-n-Octyl phthalate	59	< 59 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	44.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-03-D
SAMPLE

Lab Sample ID: JQ35G
LIMS ID: 06-12962
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 17:38
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.9 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 32.8%
pH: 6.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	59	< 59 U
84-66-2	Diethylphthalate	59	< 59 U
84-74-2	Di-n-Butylphthalate	59	< 59 U
85-68-7	Butylbenzylphthalate	59	< 59 U
117-81-7	bis(2-Ethylhexyl)phthalate	59	< 59 U
117-84-0	Di-n-Octyl phthalate	59	< 59 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	55.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-05-E
SAMPLE

Lab Sample ID: JQ35H
LIMS ID: 06-12963
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 18:08
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 47.7%
pH: 6.4

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

Reported in μg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	38.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-05-F
SAMPLE

Lab Sample ID: JQ35I
LIMS ID: 06-12964
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 18:39
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 28.0 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 43.7%
pH: 6.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	110	< 110 U
84-66-2	Diethylphthalate	110	< 110 U
84-74-2	Di-n-Butylphthalate	110	< 110 U
85-68-7	Butylbenzylphthalate	110	< 110 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**110**	**120 B**
117-84-0	Di-n-Octyl phthalate	110	< 110 U

Reported in μg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	31.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-05-G
SAMPLE

Lab Sample ID: JQ35J
LIMS ID: 06-12965
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 19:09
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 24.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 42.9%
pH: 6.5

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	120	< 120 U
84-66-2	Diethylphthalate	120	< 120 U
84-74-2	Di-n-Butylphthalate	120	< 120 U
85-68-7	Butylbenzylphthalate	120	< 120 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**120**	**160 B**
117-84-0	Di-n-Octyl phthalate	120	< 120 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	38.6%

FORM I

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-05-G
DILUTION

Lab Sample ID: JQ35J
LIMS ID: 06-12965
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/09/06 13:57
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 24.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 20.0
Percent Moisture: 42.9%
pH: 6.5

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	820	< 820 U
84-66-2	Diethylphthalate	820	< 820 U
84-74-2	Di-n-Butylphthalate	820	< 820 U
85-68-7	Butylbenzylphthalate	820	< 820 U
117-81-7	bis(2-Ethylhexyl)phthalate	820	< 820 U
117-84-0	Di-n-Octyl phthalate	820	< 820 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	68.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-05-H
SAMPLE

Lab Sample ID: JQ35K
LIMS ID: 06-12966
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 19:40
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 27.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 42.5%
pH: 6.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	110	< 110 U
84-66-2	Diethylphthalate	110	< 110 U
84-74-2	Di-n-Butylphthalate	110	< 110 U
85-68-7	Butylbenzylphthalate	110	< 110 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**110**	**150 B**
117-84-0	Di-n-Octyl phthalate	110	< 110 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	31.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-05-H
DILUTION

Lab Sample ID: JQ35K
LIMS ID: 06-12966
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/09/06 14:27
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 27.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 20.0
Percent Moisture: 42.5%
pH: 6.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	730	< 730 U
84-66-2	Diethylphthalate	730	< 730 U
84-74-2	Di-n-Butylphthalate	730	< 730 U
85-68-7	Butylbenzylphthalate	730	< 730 U
117-81-7	bis(2-Ethylhexyl)phthalate	730	< 730 U
117-84-0	Di-n-Octyl phthalate	730	< 730 U

Reported in μg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	55.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-05-J
SAMPLE

Lab Sample ID: JQ35L
LIMS ID: 06-12967
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 20:11
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 51.0 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 20.2%
pH: 6.0

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	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	63.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-06-A
SAMPLE

Lab Sample ID: JQ35M
LIMS ID: 06-12968
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 20:42
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: 48.0%
pH: 7.5

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**	**46 B**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in μg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	53.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-06-B
SAMPLE

Lab Sample ID: JQ35N
LIMS ID: 06-12969
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 21:12
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 51.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 23.2%
pH: 6.5

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	< 20 U
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-S3-08-B
SAMPLE

Lab Sample ID: JQ35O
LIMS ID: 06-12970
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 21:43
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 29.9%
pH: 6.9

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	59	< 59 U
84-66-2	Diethylphthalate	59	< 59 U
84-74-2	Di-n-Butylphthalate	59	< 59 U
85-68-7	Butylbenzylphthalate	59	< 59 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**59**	**200 B**
117-84-0	Di-n-Octyl phthalate	59	< 59 U

Reported in μg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	39.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-08-C
SAMPLE

Lab Sample ID: JQ35P
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/08/06 19:50
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 51.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 16.7%
pH: 6.0

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	58	< 58 U
84-66-2	Diethylphthalate	58	< 58 U
84-74-2	Di-n-Butylphthalate	58	< 58 U
85-68-7	Butylbenzylphthalate	58	< 58 U
117-81-7	bis(2-Ethylhexyl)phthalate	58	< 58 U
117-84-0	Di-n-Octyl phthalate	58	< 58 U

Reported in μg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	59.3%

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES SOIL/SEDIMENT SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	TPH	TOT OUT
T4-S3-02-C	31.9%	0
T4-S3-02-D	38.8%	0
T4-S3-02-E	30.5%	0
T4-S3-02-F	45.8%	0
T4-S3-03-B	44.2%	0
T4-S3-03-C	44.6%	0
T4-S3-03-D	55.7%	0
T4-S3-05-E	38.9%	0
T4-S3-05-F	31.7%	0
T4-S3-05-G	38.6%	0
T4-S3-05-G DL	68.8%	0
T4-S3-05-H	31.0%	0
T4-S3-05-H DL	55.2%	0
T4-S3-05-J	63.6%	0
T4-S3-06-A	53.2%	0
T4-S3-06-B	61.2%	0
T4-S3-08-B	39.8%	0
MB-073106	71.6%	0
LCS-073106	56.4%	0
T4-S3-08-C	59.3%	0
T4-S3-08-C MS	55.7%	0
T4-S3-08-C MSD	54.0%	0

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

Prep Method: SW3550B
Log Number Range: 06-12956 to 06-12971

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-08-C
MS/MSD

Lab Sample ID: JQ35P
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted MS/MSD: 07/31/06

Date Analyzed MS: 08/08/06 20:21
MSD: 08/08/06 20:52
Instrument/Analyst MS: NT6/LJR
MSD: NT6/LJR
GPC Cleanup: YES

Sample Amount MS: 50.8 g-dry-wt
MSD: 51.0 g-dry-wt
Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL
Dilution Factor MS: 3.00
MSD: 3.00
Percent Moisture: 16.7%
pH: 6.0

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Di-n-Octyl phthalate	< 58.5	299	492	60.8%	295	490	60.2%	1.3%

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-S3-08-C
MATRIX SPIKE

Lab Sample ID: JQ35P
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/08/06 20:21
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 16.7%
pH: 6.0

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	59	< 59 U
84-66-2	Diethylphthalate	59	< 59 U
84-74-2	Di-n-Butylphthalate	59	< 59 U
85-68-7	Butylbenzylphthalate	59	< 59 U
117-81-7	bis(2-Ethylhexyl)phthalate	59	< 59 U
117-84-0	Di-n-Octyl phthalate	59	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	55.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-08-C
MATRIX SPIKE DUPLICATE

Lab Sample ID: JQ35P
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/08/06 20:52
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 51.0 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 16.7%
pH: 6.0

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	59	< 59 U
84-66-2	Diethylphthalate	59	< 59 U
84-74-2	Di-n-Butylphthalate	59	< 59 U
85-68-7	Butylbenzylphthalate	59	< 59 U
117-81-7	bis(2-Ethylhexyl)phthalate	59	< 59 U
117-84-0	Di-n-Octyl phthalate	59	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	54.0%

FORM I

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: LCS-073106
LAB CONTROL

Lab Sample ID: LCS-073106
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 10:55
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	331	500	66.2%
Diethylphthalate	349	500	69.8%
Di-n-Butylphthalate	357	500	71.4%
Butylbenzylphthalate	322	500	64.4%
bis(2-Ethylhexyl)phthalate	373	500	74.6%
Di-n-Octyl phthalate	330	500	66.0%

Semivolatile Surrogate Recovery

d14-p-Terphenyl	56.4%

Results reported in µg/kg

4B
SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

JQ35MBS1

Lab Name: ANALYTICAL RESOURCES, INC

Client: ANCHOR

ARI Job No: JQ35

Project: T4 EARLY ACTION

Lab File ID: JQ35MB

Date Extracted: 07/31/06

Instrument ID: NT6

Date Analyzed: 08/07/06

Matrix: SOLID

Time Analyzed: 1025

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	JQ35LCSS1	JQ35LCSS1	JQ35SB	08/07/06
02	T4-S3-02-C	JQ35A	JQ35ADL	08/07/06
03	T4-S3-02-D	JQ35B	JQ35BDL	08/07/06
04	T4-S3-02-E	JQ35C	JQ35CDL	08/07/06
05	T4-S3-02-F	JQ35D	JQ35DDL	08/07/06
06	T4-S3-03-B	JQ35E	JQ35EDL	08/07/06
07	T4-S3-03-C	JQ35F	JQ35FDL	08/07/06
08	T4-S3-03-D	JQ35G	JQ35GDL	08/07/06
09	T4-S3-05-E	JQ35H	JQ35HDL	08/07/06
10	T4-S3-05-F	JQ35I	JQ35IDL	08/07/06
11	T4-S3-05-G	JQ35J	JQ35JDL	08/07/06
12	T4-S3-05-H	JQ35K	JQ35KDL	08/07/06
13	T4-S3-05-J	JQ35L	JQ35L	08/07/06
14	T4-S3-06-A	JQ35M	JQ35M	08/07/06
15	T4-S3-06-B	JQ35N	JQ35N	08/07/06
16	T4-S3-08-B	JQ35O	JQ35ODL	08/07/06
17	T4-S3-08-C	JQ35P	JQ35PDL	08/08/06
18	T4-S3-08-C MS	JQ35PMS	JQ35PMS	08/08/06
19	T4-S3-08-C MSD	JQ35PMSD	JQ35PMD	08/08/06
20	T4-S3-02-F-DUP	JQ52A	JQ52ADL	08/08/06
21	T4-S3-03-C-DUP	JQ52B	JQ52BDL	08/08/06
22	T4-B414-02-A-DUP	JQ52C	JQ52CDL	08/09/06
23	T4-S3-08-C-DUP	JQ52D	JQ52DDL	08/09/06
24	T4-S3-03-C-DUP	JQ52B	JQ52BDL2	08/09/06
25	T4-S3-05-G	JQ35J	JQ35JDL2	08/09/06
26	T4-S3-05-H	JQ35K	JQ35KDL2	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-073106
METHOD BLANK

Lab Sample ID: MB-073106
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 10:25
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	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**10 J**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	71.6%

FORM I

NWTPH-Dx

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID

Matrix: Sediment

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Received: 07/21/06

Data Release Authorized:
Reported: 08/03/06

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result
JQ35A	T4-S3-02-C	07/28/06	08/01/06	5.0	**Diesel**	**150**
06-12956	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**400**
					o-Terphenyl	67.7%
JQ35B	T4-S3-02-D	07/28/06	08/01/06	5.0	**Diesel**	**580**
06-12957	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**1,500**
					o-Terphenyl	NR
JQ35C	T4-S3-02-E	07/28/06	08/01/06	5.0	**Diesel**	**290**
06-12958	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**640**
					o-Terphenyl	69.3%
JQ35D	T4-S3-02-F	07/28/06	08/01/06	5.0	**Diesel**	**610**
06-12959	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**680**
					o-Terphenyl	60.2%
JQ35E	T4-S3-03-B	07/28/06	08/01/06	5.0	**Diesel**	**270**
06-12960	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**500**
					o-Terphenyl	74.1%
JQ35F	T4-S3-03-C	07/28/06	08/01/06	1.0	**Diesel**	**400**
06-12961	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**540**
					o-Terphenyl	62.9%
JQ35G	T4-S3-03-D	07/28/06	08/01/06	1.0	**Diesel**	**270**
06-12962	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**320**
					o-Terphenyl	68.7%
JQ35H	T4-S3-05-E	07/28/06	08/01/06	5.0	**Diesel**	**150**
06-12963	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**350**
					o-Terphenyl	64.2%
JQ35I	T4-S3-05-F	07/28/06	08/01/06	5.0	**Diesel**	**340**
06-12964	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**720**
					o-Terphenyl	63.3%
JQ35J	T4-S3-05-G	07/28/06	08/01/06	5.0	**Diesel**	**320**
06-12965	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**650**
					o-Terphenyl	54.0%
JQ35K	T4-S3-05-H	07/28/06	08/01/06	5.0	**Diesel**	**440**
06-12966	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**960**
					o-Terphenyl	69.2%
JQ35L	T4-S3-05-J	07/28/06	08/01/06	1.0	**Diesel**	**7.6**
06-12967	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**16**
					o-Terphenyl	73.8%
JQ35M	T4-S3-06-A	07/28/06	08/01/06	5.0	**Diesel**	**140**
06-12968	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**300**
					o-Terphenyl	55.6%

FORM I

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID

Matrix: Sediment

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Received: 07/21/06

Data Release Authorized:
Reported: 08/03/06

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result
JQ35N	T4-S3-06-B	07/28/06	08/01/06	1.0	Diesel	< 6.5 U
06-12969	HC ID: ---		FID3A		Motor Oil	< 13 U
					o-Terphenyl	71.8%
JQ35O	T4-S3-08-B	07/28/06	08/01/06	5.0	**Diesel**	**130**
06-12970	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**280**
					o-Terphenyl	62.8%
MB-072806	Method Blank	07/28/06	08/01/06	1.0	Diesel	< 5.0 U
06-12971	HC ID: ---		FID3A		Motor Oil	< 10 U
					o-Terphenyl	70.7%
JQ35P	T4-S3-08-C	07/28/06	08/01/06	1.0	**Diesel**	**6.2**
06-12971	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**14**
					o-Terphenyl	59.6%

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.

FORM I

ANALYTICAL RESOURCES INCORPORATED

TPHD SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	OTER	TOT OUT
T4-S3-02-C	67.7%	0
T4-S3-02-D	NR	0
T4-S3-02-E	69.3%	0
T4-S3-02-F	60.2%	0
T4-S3-03-B	74.1%	0
T4-S3-03-C	62.9%	0
T4-S3-03-D	68.7%	0
T4-S3-05-E	64.2%	0
T4-S3-05-F	63.3%	0
T4-S3-05-G	54.0%	0
T4-S3-05-H	69.2%	0
T4-S3-05-J	73.8%	0
T4-S3-06-A	55.6%	0
T4-S3-06-B	71.8%	0
T4-S3-08-B	62.8%	0
072806MBS	70.7%	0
072806LCS	73.3%	0
T4-S3-08-C	59.6%	0
T4-S3-08-C	MS 77.8%	0
T4-S3-08-C	MSD71.3%	0

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

Prep Method: SW3550B
Log Number Range: 06-12956 to 06-12971

FORM-II TPHD

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-08-C
MS/MSD

Lab Sample ID: JQ35P
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized:
Reported: 08/03/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted MS/MSD: 07/28/06

Date Analyzed MS: 08/01/06 21:36
MSD: 08/01/06 21:52
Instrument/Analyst MS: FID3A/JGR
MSD: FID3A/JGR

Sample Amount MS: 8.36 g-dry-wt
MSD: 8.33 g-dry-wt
Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL
Dilution Factor MS: 1.00
MSD: 1.00
Percent Moisture: 16.7%

Range	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Diesel	6.2	141	179	75.3%	137	180	72.7%	2.9%

TPHD Surrogate Recovery

	MS	MSD
o-Terphenyl	77.8%	71.3%

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

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID

Sample ID: LCS-072806
LAB CONTROL

Lab Sample ID: LCS-072806
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized:
Reported: 08/03/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 07/28/06
Date Analyzed: 08/01/06 14:36
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	108	150	72.0%

TPHD Surrogate Recovery

o-Terphenyl	73.3%

Results reported in mg/kg

TPH METHOD BLANK SUMMARY

BLANK NO.

JQ53MBS1

Lab Name: ANALYTICAL RESOURCES, INC

Client: ANCHOR ENVIR

SDG No.: JQ35

Project No.: T4 EARLY ACTION

Date Extracted: 10/06/03

Matrix: SEDIMENT

Date Analyzed : 08/01/06

Instrument ID : FID3A

Time Analyzed : 1421

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
01	JQ53LCSS1	JQ53LCSS1	08/01/06
02	T4-S3-02-C	JQ35A	08/01/06
03	T4-S3-02-D	JQ35B	08/01/06
04	T4-S3-02-E	JQ35C	08/01/06
05	T4-S3-02-F	JQ35D	08/01/06
06	T4-S3-03-B	JQ35E	08/01/06
07	T4-S3-03-C	JQ35F	08/01/06
08	T4-S3-03-D	JQ35G	08/01/06
09	T4-S3-05-E	JQ35H	08/01/06
10	T4-S3-05-F	JQ35I	08/01/06
11	T4-S3-05-G	JQ35J	08/01/06
12	T4-S3-05-H	JQ35K	08/01/06
13	T4-S3-05-J	JQ35L	08/01/06
14	T4-S3-06-A	JQ35M	08/01/06
15	T4-S3-06-B	JQ35N	08/01/06
16	T4-S3-08-B	JQ35O	08/01/06
17	T4-S3-08-C	JQ35P	08/01/06
18	T4-S3-08-C M	JQ35PMS	08/01/06
19	T4-S3-08-C M	JQ35PMSD	08/01/06

FORM IV TPH

TOTAL METALS

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-02-C
SAMPLE

Lab Sample ID: JQ35A
LIMS ID: 06-12956
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Percent Total Solids: 53.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/07/06	6010B	08/07/06	**7439-92-1**	**Lead**	4	**212**	
3050B	08/07/06	6010B	08/07/06	**7440-66-6**	**Zinc**	1	**328**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-02-C DUPLICATE

Lab Sample ID: JQ35A
LIMS ID: 06-12956
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Lead	6010B	212	205	3.4%	+/- 20%	
Zinc	6010B	328	355	7.9%	+/- 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

Sample ID: T4-S3-02-C
MATRIX SPIKE

Lab Sample ID: JQ35A
LIMS ID: 06-12956
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

MATRIX SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Spike	Spike Added	% Recovery	Q
Lead	6010B	212	552	368	92.4%	
Zinc	6010B	328	450	91.9	133%	N

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

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-02-D
SAMPLE

Lab Sample ID: JQ35B
LIMS ID: 06-12957
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Percent Total Solids: 55.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/28/06	6010B	08/01/06	**7439-92-1**	**Lead**	3	**496**	
3050B	07/28/06	6010B	08/01/06	**7440-66-6**	**Zinc**	1	**633**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-02-E
SAMPLE

Lab Sample ID: JQ35C
LIMS ID: 06-12958
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Percent Total Solids: 58.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/28/06	6010B	08/01/06	**7439-92-1**	**Lead**	3	**452**	
3050B	07/28/06	6010B	08/01/06	**7440-66-6**	**Zinc**	1	**573**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-02-F
SAMPLE

Lab Sample ID: JQ35D
LIMS ID: 06-12959
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Percent Total Solids: 55.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/28/06	6010B	08/01/06	**7439-92-1**	**Lead**	8	**721**	
3050B	07/28/06	6010B	08/01/06	**7440-66-6**	**Zinc**	3	**705**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-03-B
SAMPLE

Lab Sample ID: JQ35E
LIMS ID: 06-12960
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Percent Total Solids: 56.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/28/06	6010B	08/01/06	**7439-92-1**	**Lead**	3	**266**	
3050B	07/28/06	6010B	08/01/06	**7440-66-6**	**Zinc**	1	**418**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-03-C
SAMPLE

Lab Sample ID: JQ35F
LIMS ID: 06-12961
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Percent Total Solids: 59.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/28/06	6010B	08/01/06	**7439-92-1**	**Lead**	3	**417**	
3050B	07/28/06	6010B	08/01/06	**7440-66-6**	**Zinc**	1	**546**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-03-D
SAMPLE

Lab Sample ID: JQ35G
LIMS ID: 06-12962
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Percent Total Solids: 66.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/28/06	6010B	08/01/06	**7439-92-1**	**Lead**	3	**580**	
3050B	07/28/06	6010B	08/01/06	**7440-66-6**	**Zinc**	0.8	**583**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-05-E
SAMPLE

Lab Sample ID: JQ35H
LIMS ID: 06-12963
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Percent Total Solids: 51.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/28/06	6010B	08/01/06	**7439-92-1**	**Lead**	4	**142**	
3050B	07/28/06	6010B	08/01/06	**7440-66-6**	**Zinc**	1	**303**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-05-F
SAMPLE

Lab Sample ID: JQ35I
LIMS ID: 06-12964
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
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	07/28/06	6010B	08/01/06	**7439-92-1**	**Lead**	3	**267**	
3050B	07/28/06	6010B	08/01/06	**7440-66-6**	**Zinc**	1	**479**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-05-G
SAMPLE

Lab Sample ID: JQ35J
LIMS ID: 06-12965
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Percent Total Solids: 57.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/28/06	6010B	08/01/06	**7439-92-1**	**Lead**	3	**264**	
3050B	07/28/06	6010B	08/01/06	**7440-66-6**	**Zinc**	1	**454**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-05-H
SAMPLE

Lab Sample ID: JQ35K
LIMS ID: 06-12966
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Percent Total Solids: 56.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/28/06	6010B	08/01/06	**7439-92-1**	**Lead**	3	**311**	
3050B	07/28/06	6010B	08/01/06	**7440-66-6**	**Zinc**	1	**465**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-05-J
SAMPLE

Lab Sample ID: JQ35L
LIMS ID: 06-12967
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Percent Total Solids: 78.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/28/06	6010B	08/01/06	**7439-92-1**	**Lead**	3	**6**	
3050B	07/28/06	6010B	08/01/06	**7440-66-6**	**Zinc**	0.8	**53.6**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-06-A
SAMPLE

Lab Sample ID: JQ35M
LIMS ID: 06-12968
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 50.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/28/06	6010B	08/01/06	**7439-92-1**	**Lead**	4	**104**	
3050B	07/28/06	6010B	08/01/06	**7440-66-6**	**Zinc**	1	**188**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-06-B
SAMPLE

Lab Sample ID: JQ35N
LIMS ID: 06-12969
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 72.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/28/06	6010B	08/01/06	**7439-92-1**	**Lead**	3	**10**	
3050B	07/28/06	6010B	08/01/06	**7440-66-6**	**Zinc**	0.8	**53.5**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-08-B
SAMPLE

Lab Sample ID: JQ35O
LIMS ID: 06-12970
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Percent Total Solids: 68.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/28/06	6010B	08/01/06	**7439-92-1**	**Lead**	3	**188**	
3050B	07/28/06	6010B	08/01/06	**7440-66-6**	**Zinc**	0.8	**297**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-08-C
SAMPLE

Lab Sample ID: JQ35P
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Percent Total Solids: 82.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/28/06	6010B	08/01/06	**7439-92-1**	**Lead**	2	**89**	
3050B	07/28/06	6010B	08/01/06	**7440-66-6**	**Zinc**	0.7	**142**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: METHOD BLANK

Lab Sample ID: JQ35MB
LIMS ID: 06-12957
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-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	07/28/06	6010B	08/01/06	7439-92-1	Lead	2	2	U
3050B	07/28/06	6010B	08/01/06	**7440-66-6**	**Zinc**	0.6	**0.7**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: LAB CONTROL

Lab Sample ID: JQ35LCS
LIMS ID: 06-12957
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-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	199	200	99.5%	
Zinc	6010B	49.4	50.0	98.8%	

Reported in mg/kg-dry

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

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: METHOD BLANK

Lab Sample ID: JQ35MB
LIMS ID: 06-12956
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-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	08/07/06	6010B	08/07/06	7439-92-1	Lead	2	2	U
3050B	08/07/06	6010B	08/07/06	**7440-66-6**	**Zinc**	0.6	**2.4**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: LAB CONTROL

Lab Sample ID: JQ35LCS
LIMS ID: 06-12956
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ35-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	214	200	107%	
Zinc	6010B	51.3	50.0	103%	

Reported in mg/kg-dry

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

GENERAL CHEMISTRY

SAMPLE RESULTS-CONVENTIONALS
JQ35-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-S3-02-C
ARI ID: 06-12956 JQ35A

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	53.50
Total Organic Carbon	07/25/06 072506#1	Plumb,1981	Percent	0.020	2.04

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ35-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-S3-02-D
ARI ID: 06-12957 JQ35B

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	56.20
Total Organic Carbon	07/25/06 072506#1	Plumb,1981	Percent	0.020	1.94

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ35-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-S3-02-E
ARI ID: 06-12958 JQ35C

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	58.60
Total Organic Carbon	07/25/06 072506#1	Plumb,1981	Percent	0.020	2.10

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ35-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-S3-02-F
ARI ID: 06-12959 JQ35D

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	54.50
Total Organic Carbon	07/25/06 072506#1	Plumb,1981	Percent	0.020	1.98

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ35-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-S3-03-B
ARI ID: 06-12960 JQ35E

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	56.20
Total Organic Carbon	07/25/06 072506#1	Plumb,1981	Percent	0.020	1.88

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ35-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-S3-03-C
ARI ID: 06-12961 JQ35F

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	59.90
Total Organic Carbon	07/25/06 072506#1	Plumb,1981	Percent	0.020	1.86

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ35-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-S3-03-D
ARI ID: 06-12962 JQ35G

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	66.80
Total Organic Carbon	07/25/06 072506#1	Plumb,1981	Percent	0.020	1.56

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ35-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-S3-05-E
ARI ID: 06-12963 JQ35H

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	52.80
Total Organic Carbon	07/25/06 072506#1	Plumb,1981	Percent	0.020	1.95

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ35-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-S3-05-F
ARI ID: 06-12964 JQ35I

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	56.40
Total Organic Carbon	07/25/06 072506#1	Plumb,1981	Percent	0.020	2.26

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ35-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-S3-05-G
ARI ID: 06-12965 JQ35J

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	56.80
Total Organic Carbon	07/25/06 072506#1	Plumb,1981	Percent	0.020	2.00

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ35-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-S3-05-H
ARI ID: 06-12966 JQ35K

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	56.20
Total Organic Carbon	07/25/06 072506#1	Plumb,1981	Percent	0.020	2.48

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ35-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-S3-05-J
ARI ID: 06-12967 JQ35L

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	80.80
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	0.503

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ35-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-S3-06-A
ARI ID: 06-12968 JQ35M

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	42.40
Total Organic Carbon	07/25/06 072506#1	Plumb,1981	Percent	0.020	1.83

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ35-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-S3-06-B
ARI ID: 06-12969 JQ35N

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	78.10
Total Organic Carbon	07/25/06 072506#1	Plumb,1981	Percent	0.020	0.154

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ35-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-S3-08-B
ARI ID: 06-12970 JQ35O

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	68.50
Total Organic Carbon	07/25/06 072506#1	Plumb,1981	Percent	0.020	1.87

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ35-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-S3-08-C
ARI ID: 06-12971 JQ35P

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#2	EPA 160.3	Percent	0.01	83.00
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	0.196

RL Analytical reporting limit
U Undetected at reported detection limit

METHOD BLANK RESULTS-CONVENTIONALS
JQ35-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	07/25/06	Percent	< 0.020 U
	07/26/06		< 0.020 U

LAB CONTROL RESULTS-CONVENTIONALS
JQ35-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	LCS	Spike Added	Recovery
Total Organic Carbon	07/25/06	Percent	0.534	0.500	106.8%
	07/26/06		0.524	0.500	104.8%

STANDARD REFERENCE RESULTS-CONVENTIONALS
JQ35-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	07/25/06	Percent	3.07	3.35	91.6%
NIST #8704	07/26/06		2.97	3.35	88.7%

REPLICATE RESULTS-CONVENTIONALS
JQ35-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

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: JQ35D Client ID: T4-S3-02-F					
Total Solids	07/24/06	Percent	54.50	54.80 54.50	0.3%
Total Organic Carbon	07/25/06	Percent	1.98	2.00 2.04	1.5%

MS/MSD RESULTS-CONVENTIONALS
JQ35-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

Analyte	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: JQ35D Client ID: T4-S3-02-F						
Total Organic Carbon	07/25/06	Percent	1.98	4.99	2.11	142.7%

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-S3-03-B	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	98.0	90.8	86.9	81.9	72.6	59.3	45.3	39.0	32.0	20.3	13.3
T4-S3-03-B	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	97.9	91.0	87.1	82.0	70.0	60.0	46.2	40.0	32.3	21.5	13.1
T4-S3-03-B	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	97.8	90.6	86.8	81.2	71.2	60.1	45.9	38.8	30.9	18.2	11.1
T4-S3-02-C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.4	88.7	84.1	77.6	63.4	52.9	41.7	35.0	28.3	17.9	10.4
T4-S3-02-D	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	96.2	83.3	74.0	61.6	46.9	39.9	29.7	25.0	20.3	13.3	7.0
T4-S3-02-E	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7	91.6	67.3	54.8	46.3	38.9	33.4	24.1	21.0	16.3	10.9	6.2
T4-S3-02-F	100.0	100.0	100.0	100.0	100.0	100.0	99.8	99.7	97.4	90.6	85.7	78.8	70.5	57.8	46.7	39.6	32.5	20.6	11.9
T4-S3-03-C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	94.6	78.9	73.6	68.6	58.3	51.6	40.4	32.9	26.9	17.9	10.5
T4-S3-03-D	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7	93.9	80.9	75.4	64.8	47.6	37.2	29.0	23.8	18.6	11.9	7.4
T4-S3-05-E	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	98.2	93.6	90.8	84.5	67.4	58.0	47.1	37.7	30.5	20.3	12.3
T4-S3-05-F	100.0	100.0	100.0	100.0	100.0	99.8	99.6	99.2	95.0	86.1	81.9	76.0	62.4	54.5	41.8	34.0	27.6	18.2	11.1
T4-S3-05-G	100.0	100.0	100.0	100.0	100.0	100.0	99.8	99.1	90.7	75.9	70.2	63.3	50.2	43.4	33.5	27.4	22.1	12.2	8.4
T4-S3-05-H	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	94.1	83.9	79.5	73.4	59.1	53.8	42.4	34.9	29.5	19.7	12.9
T4-S3-05-J	100.0	100.0	100.0	100.0	100.0	100.0	99.9	97.2	61.1	13.9	3.7	2.1	0.9	0.9	0.9	0.4	0.0	0.0	0.0
T4-S3-06-A	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7	94.9	76.8	65.2	58.2	50.7	43.9	32.6	27.0	21.4	11.3	6.8
T4-S3-06-B	100.0	100.0	100.0	100.0	100.0	100.0	99.9	97.8	61.6	13.3	5.0	4.0	0.9	0.9	0.9	0.9	0.9	0.0	0.0
T4-S3-08-B	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.4	74.1	42.9	34.5	30.1	23.6	20.5	14.3	11.8	8.7	5.0	3.7
T4-S3-08-C	100.0	100.0	100.0	100.0	100.0	99.8	99.4	95.2	57.3	15.7	6.1	4.0	2.2	1.8	1.8	1.3	0.4	0.0	0.0

Testing performed according to ASTM D421/D422

JQ35

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-S3-03-B	0.0	0.0	2.0	16.1	9.2	13.3	14.1	6.2	7.0	11.7	20.3
T4-S3-03-B	0.0	0.0	2.1	15.9	12.0	10.0	13.8	.6.2	7.7	10.8	21.5
T4-S3-03-B	0.0	0.0	2.2	16.6	10.0	11.1	14.2	7.1	7.9	12.7	18.2
T4-S3-02-C	0.0	0.0	2.6	19.8	14.2	10.4	11.2	6.7	6.7	10.4	17.9
T4-S3-02-D	0.0	0.0	3.8	34.6	14.7	7.0	10.2	4.7	4.7	7.0	13.3
T4-S3-02-E	0.0	0.0	8.4	45.3	7.4	5.4	9.3	3.1	4.7	5.4	10.9
T4-S3-02-F	0.0	0.2	2.4	18.6	8.3	12.7	11.1	7.1	7.1	11.9	20.6
T4-S3-03-C	0.0	0.0	5.4	26.1	10.2	6.7	11.2	7.5	6.0	9.0	17.9
T4-S3-03-D	0.0	0.0	6.1	29.1	17.2	10.4	8.2	5.2	5.2	6.7	11.9
T4-S3-05-E	0.0	0.0	1.8	13.7	17.1	9.4	10.9	9.4	7.3	10.2	20.3
T4-S3-05-F	0.2	0.2	4.6	19.0	13.7	7.9	12.6	7.9	6.3	9.5	18.2
T4-S3-05-G	0.0	0.2	9.1	27.5	13.0	6.8	9.9	6.1	5.3	9.9	12.2
T4-S3-05-H	0.0	0.0	5.9	20.7	14.3	5.3	11.4	7.6	5.3	9.8	19.7
T4-S3-05-J	0.0	0.1	38.8	59.0	1.3	0.0	0.0	0.4	0.4	0.0	0.0
T4-S3-06-A	0.0	0.0	5.1	36.7	7.5	6.8	11.3	5.6	5.6	10.1	11.3
T4-S3-06-B	0.0	0.1	38.3	57.6	3.2	0.0	0.0	0.0	0.0	0.9	0.0
T4-S3-08-B	0.0	0.0	25.9	44.0	6.4	3.1	6.2	2.5	3.1	3.7	5.0
T4-S3-08-C	0.2	0.3	42.2	53.2	1.8	0.4	0.0	0.4	0.9	0.4	0.0

JQ35

ANALYTICAL RESOURCES INCORPORATED

PROJECT:	Anchor Environmental	Project No.:	T4 Early Action 0503
ARI Triplicate Sample ID:	JQ35 E	Batch No.:	JQ35 -01
Client Triplicate Sample ID:	T4-S3-03-B	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-S3-03-B	100.0	100.0	100.0	100.0	100.0	100.0	99.9	98.0	90.8	86.9	81.9	72.6	59.3	45.3
T4-S3-03-B	100.0	100.0	100.0	100.0	100.0	100.0	99.9	97.9	91.0	87.1	82.0	70.0	60.0	46.2
T4-S3-03-B	100.0	100.0	100.0	100.0	100.0	100.0	99.9	97.8	90.6	86.8	81.2	71.2	60.1	45.9
AVE	100.00	100.00	100.00	100.00	100.00	99.98	99.89	97.88	90.80	86.90	81.69	71.27	59.82	45.77
STDEV	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.11	0.17	0.16	0.44	1.30	0.43	0.45
%RSD	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.11	0.19	0.19	0.53	1.83	0.71	0.98

This Triplicate applies to the Batch Containing the Following Samples

Sample ID	Date Sampled	Date Set up	Date Started	Date Complete	Data Qualifiers
T4-S3-03-B	7/19/2006	8/1/2006	8/2/2006	8/4/2006	
T4-S3-03-B	7/19/2006	7/31/2006	8/2/2006	8/4/2006	
T4-S3-03-B	7/19/2006	7/31/2006	8/2/2006	8/4/2006	
T4-S3-02-C	7/18/2006	7/31/2006	8/2/2006	8/4/2006	
T4-S3-02-D	7/18/2006	8/1/2006	8/2/2006	8/4/2006	
T4-S3-02-E	7/18/2006	8/1/2006	8/2/2006	8/4/2006	
T4-S3-02-F	7/18/2006	8/1/2006	8/2/2006	8/4/2006	
T4-S3-03-C	7/19/2006	7/31/2006	8/2/2006	8/4/2006	
T4-S3-03-D	7/19/2006	7/31/2006	8/2/2006	8/4/2006	
T4-S3-05-E	7/19/2006	7/31/2006	8/2/2006	8/4/2006	
T4-S3-05-F	7/19/2006	7/31/2006	8/2/2006	8/4/2006	
T4-S3-05-G	7/19/2006	8/1/2006	8/2/2006	8/4/2006	
T4-S3-05-H	7/19/2006	8/1/2006	8/2/2006	8/4/2006	
T4-S3-05-J	7/19/2006	8/1/2006	8/2/2006	8/4/2006	
T4-S3-06-A	7/20/2006	8/1/2006	8/2/2006	8/4/2006	
T4-S3-06-B	7/20/2006	8/1/2006	8/2/2006	8/4/2006	
T4-S3-08-B	7/19/2006	8/1/2006	8/2/2006	8/4/2006	
T4-S3-08-C	7/19/2006	8/1/2006	8/2/2006	8/4/2006	

TOTAL SOLIDS

Extractions Total Solids-extts
Data By: Tia Hawk
Created: 7/25/06

Worklist: 5395
Analyst: TAH
Comments:

	ARI ID CLIENT ID	Tare Wt (g)	Wet Wt (g)	Dry Wt (g)	% Solids	pH
1.	JQ35A 06-12956 T4-S3-02-C	1.14	11.47	6.64	53.2	6.7
2.	JQ35B 06-12957 T4-S3-02-D	1.14	12.18	7.54	58.0	6.3
3.	JQ35C 06-12958 T4-S3-02-E	1.13	13.26	8.52	60.9	6.8
4.	JQ35D 06-12959 T4-S3-02-F	1.12	12.96	7.64	55.1	6.4
5.	JQ35E 06-12960 T4-S3-03-B	1.13	14.30	8.48	55.8	6.8
6.	JQ35F 06-12961 T4-S3-03-C	1.14	10.74	6.84	59.4	6.6
7.	JQ35G 06-12962 T4-S3-03-D	1.12	12.19	8.56	67.2	6.8
8.	JQ35H 06-12963 T4-S3-05-E	1.13	11.06	6.32	52.3	6.4
9.	JQ35I 06-12964 T4-S3-05-F	1.15	12.55	7.57	56.3	6.8
10.	JQ35J 06-12965 T4-S3-05-G	1.12	12.41	7.57	57.1	6.5
11.	JQ35K 06-12966 T4-S3-05-H	1.13	11.18	6.91	57.5	6.8
12.	JQ35L 06-12967 T4-S3-05-J	1.14	11.89	9.72	79.8	6.0
13.	JQ35M 06-12968 T4-S3-06-A	1.12	11.98	6.77	52.0	7.5
14.	JQ35N 06-12969 T4-S3-06-B	1.12	13.05	10.28	76.8	6.5
15.	JQ35O 06-12970 T4-S3-08-B	1.14	13.30	9.66	70.1	6.9

Extractions Total Solids-extts
Data By: Tia Hawk
Created: 7/25/06

Worklist: 5395
Analyst: TAH
Comments:

	ARI ID CLIENT ID	Tare Wt (g)	Wet Wt (g)	Dry Wt (g)	% Solids	pH
16.	JQ35P 06-12971 T4-S3-08-C	1.14	10.53	8.96	83.3	6.0

Solids Data Entry Report Checked by: EJR Date: 8/01/06
Date: 08/01/06 Data Analyst: DM

Solids Determination performed on 07/31/06 by DM

JOB	SAMPLE	CLIENTID	TAREWEIGHT	SAMPDISH	DRYWEIGHT	SOLIDS
JQ35	A	T4-S3-02-C	0.994	10.547	6.093	53.38
JQ35	B	T4-S3-02-D	0.965	10.291	6.164	55.75
JQ35	C	T4-S3-02-E	0.974	10.611	6.617	58.56
JQ35	D	T4-S3-02-F	1.034	10.755	6.400	55.20
JQ35	E	T4-S3-03-B	1.022	10.807	6.519	56.18
JQ35	F	T4-S3-03-C	1.066	10.215	6.546	59.90
JQ35	G	T4-S3-03-D	1.017	10.563	7.367	66.52
JQ35	H	T4-S3-05-E	1.003	10.138	5.708	51.51
JQ35	I	T4-S3-05-F	1.012	10.198	6.104	55.43
JQ35	J	T4-S3-05-G	1.009	10.422	6.410	57.38
JQ35	K	T4-S3-05-H	1.017	10.151	6.199	56.73
JQ35	L	T4-S3-05-J	1.042	10.542	8.496	78.46
JQ35	M	T4-S3-06-A	0.999	10.836	5.938	50.21
JQ35	N	T4-S3-06-B	1.006	10.717	8.028	72.31
JQ35	O	T4-S3-08-B	0.973	10.548	7.530	68.48
JQ35	P	T4-S3-08-C	1.018	10.903	9.188	82.65

Laboratory Data Package

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ35

prepared
by

Analytical Resources, Inc.

SIM Semivolatile Analysis
QC Summary Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ35

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

SIM SW8270 SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	MNP	DBA	TOT OUT
T4-S3-02-C	76.7%	66.0%	0
T4-S3-02-D	68.3%	85.3%	0
T4-S3-02-E	64.7%	95.3%	0
T4-S3-02-F	65.0%	76.0%	0
T4-S3-03-B	68.3%	77.7%	0
T4-S3-03-C	69.3%	66.7%	0
T4-S3-03-D	55.3%	54.0%	0
T4-S3-05-E	70.7%	74.7%	0
T4-S3-05-G	102%*	99.3%	1
T4-S3-05-H	65.3%	72.7%	0
T4-S3-05-J	58.4%	67.3%	0
T4-S3-06-A	66.7%	75.3%	0
T4-S3-06-B	57.3%	65.7%	0
T4-S3-08-B	69.0%	78.7%	0
MB-080106	62.3%	74.3%	0
LCS-080106	75.3%	86.0%	0
T4-S3-08-C	50.0%	67.0%	0
T4-S3-08-C MS	73.3%	73.7%	0
T4-S3-08-C MSD	60.0%	61.7%	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: 06-12956 to 06-12971

FORM-II SIM SW8270

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-08-C
MATRIX SPIKE

Lab Sample ID: JQ35P
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted MS/MSD: 08/01/06

Date Analyzed MS: 08/07/06 21:10
MSD: 08/07/06 21:35
Instrument/Analyst MS: Und: 7/YZ
MSD: Und: 7/YZ

Sample Amount MS: 10.4 g-dry-wt
MSD: 10.4 g-dry-wt
Final Extract Volume MS: 0.50 mL
MSD: 0.50 mL
Dilution Factor MS: 1.00
MSD: 1.00

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Phenanthrene	121	235	144	79.2%	231	144	76.4%	1.7%
Chrysene	208	349	144	97.9%	337	144	89.6%	3.5%
Benzo(k)fluoranthene	185	361	144	122%	354	144	117%	2.0%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: LCS-080106
LAB CONTROL SAMPLE

Lab Sample ID: LCS-080106
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 08/01/06
Date Analyzed LCS: 08/07/06 11:40
Instrument/Analyst LCS: FINN3/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	100	150	66.7%
1-Methylnaphthalene	98.5	150	65.7%
Acenaphthylene	108	150	72.0%
Acenaphthene	108	150	72.0%
Fluorene	117	150	78.0%
Phenanthrene	121	150	80.7%
Anthracene	118	150	78.7%
Fluoranthene	131	150	87.3%
Pyrene	124	150	82.7%
Benzo(a)anthracene	124	150	82.7%
Chrysene	130	150	86.7%
Benzo(b)fluoranthene	130	150	86.7%
Benzo(k)fluoranthene	130	150	86.7%
Benzo(a)pyrene	116	150	77.3%
Indeno(1,2,3-cd)pyrene	118	150	78.7%
Dibenz(a,h)anthracene	123	150	82.0%
Benzo(g,h,i)perylene	128	150	85.3%

Reported in μg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	75.3%
d14-Dibenzo(a,h)anthracen	86.0%

FORM III

4B
SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

JQ35MBS1

Lab Name: ANALYTICAL RESOURCES, INC

Client: ANCHOR

ARI Job No: JQ35

Project: T4 EARLY ACTION

Lab File ID: JQ35MB

Date Extracted: 08/01/06

Instrument ID: NT1

Date Analyzed: 08/07/06

Matrix: SOLID

Time Analyzed: 1115

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	JQ35LCSS1	JQ35LCSS1	JQ35SB	08/07/06
02	T4-S3-02-D	JQ35B	JQ35B10	08/07/06
03	T4-S3-02-E	JQ35C	JQ35C10	08/07/06
04	T4-S3-02-F	JQ35D	JQ35D10	08/07/06
05	T4-S3-03-B	JQ35E	JQ35E10	08/07/06
06	T4-S3-03-C	JQ35F	JQ35F10	08/07/06
07	T4-S3-03-D	JQ35G	JQ35G10	08/07/06
08	T4-S3-05-H	JQ35K	JQ35K10	08/07/06
09	T4-S3-05-J	JQ35L	JQ35L	08/07/06
10	T4-S3-06-A	JQ35M	JQ35M10	08/07/06
11	T4-S3-06-B	JQ35N	JQ35N	08/07/06
12	T4-S3-08-B	JQ35O	JQ35O10	08/07/06
13	T4-S3-08-C	JQ35P	JQ35P	08/07/06
14	T4-S3-08-C MS	JQ35PMS	JQ35PMS	08/07/06
15	T4-S3-08-C MSD	JQ35PMSD	JQ35PMSD	08/07/06
16	T4-S3-02-C	JQ35A	JQ35A20	08/08/06
17	T4-S3-05-E	JQ35H	JQ35H20	08/08/06
18	T4-S3-05-G	JQ35J	JQ35J20	08/08/06
19	T4-S3-05-J	JQ35L	JQ35L2	08/08/06
20				
21				
22				
23				
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 ENVIR

Instrument ID: NT1 Project: T4 EARLY 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					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V SV

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIR

Instrument ID: NT1 Project: T4 EARLY 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	JQ35MBS1	JQ35MBS1	JQ35MB	08/07/06	1115
03	JQ35LCSS1	JQ35LCSS1	JQ35SB	08/07/06	1140
04	T4-S3-02-D	JQ35B	JQ35B10	08/07/06	1255
05	T4-S3-02-E	JQ35C	JQ35C10	08/07/06	1319
06	T4-S3-02-F	JQ35D	JQ35D10	08/07/06	1344
07	T4-S3-03-B	JQ35E	JQ35E10	08/07/06	1409
08	T4-S3-03-C	JQ35F	JQ35F10	08/07/06	1434
09	T4-S3-03-D	JQ35G	JQ35G10	08/07/06	1459
10	T4-S3-05-H	JQ35K	JQ35K10	08/07/06	1842
11	T4-S3-05-J	JQ35L	JQ35L	08/07/06	1907
12	T4-S3-06-A	JQ35M	JQ35M10	08/07/06	1931
13	T4-S3-06-B	JQ35N	JQ35N	08/07/06	1956
14	T4-S3-08-B	JQ35O	JQ35O10	08/07/06	2021
15	T4-S3-08-C	JQ35P	JQ35P	08/07/06	2046
16	T4-S3-08-C MS	JQ35PMS	JQ35PMS	08/07/06	2110
17	T4-S3-08-C MSD	JQ35PMSD	JQ35PMSD	08/07/06	2135
18					
19					
20					
21					
22					

FORM V SV

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIR

Instrument ID: NT1 Project: T4 EARLY 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-S3-02-C	JQ35A	JQ35A20	08/08/06	1017
03	T4-S3-05-E	JQ35H	JQ35H20	08/08/06	1042
04	T4-S3-05-G	JQ35J	JQ35J20	08/08/06	1107
05	T4-S3-05-J	JQ35L	JQ35L2	08/08/06	1221
06					
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22					

FORM V SV

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR ENVIR

ARI Job No: JQ35 — Project: T4 EARLY 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	JQ35MBS1	196430	6.89	104230	8.95	173132	10.77
02	JQ35LCSS1	226245	6.89	123629	8.95	200567	10.77
03	T4-S3-02-D	252321	6.89	137813	8.95	221695	10.77
04	T4-S3-02-E	255309	6.89	135507	8.95	230694	10.77
05	T4-S3-02-F	245660	6.89	138987	8.95	217562	10.77
06	T4-S3-03-B	258290	6.89	143281	8.95	234449	10.77
07	T4-S3-03-C	265580	6.89	144721	8.95	240069	10.77
08	T4-S3-03-D	271540	6.89	154950	8.95	251307	10.77
09	T4-S3-05-H	281122	6.89	153358	8.95	241831	10.77
10	T4-S3-05-J	280939	6.89	148640	8.95	238770	10.77
11	T4-S3-06-A	282329	6.89	148056	8.95	235343	10.77
12	T4-S3-06-B	285064	6.89	152700	8.95	251705	10.76
13	T4-S3-08-B	288440	6.89	153597	8.95	247720	10.77
14	T4-S3-08-C	291334	6.89	157337	8.95	253395	10.76
15	T4-S3-08-C M	290178	6.88	154050	8.95	255867	10.76
16	T4-S3-08-C M	319462	6.89	166317	8.95	267717	10.76
17							
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19							
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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 ENVIR

ARI Job No: JQ35 — Project: T4 EARLY 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	JQ35MBS1	159409	14.08	172927	16.03		
02	JQ35LCSS1	186165	14.08	197062	16.04		
03	T4-S3-02-D	201926	14.08	221481	16.04		
04	T4-S3-02-E	204176	14.08	221520	16.04		
05	T4-S3-02-F	192685	14.08	207083	16.04		
06	T4-S3-03-B	206315	14.08	215028	16.04		
07	T4-S3-03-C	213562	14.08	228495	16.04		
08	T4-S3-03-D	219185	14.08	227150	16.04		
09	T4-S3-05-H	213685	14.08	214240	16.04		
10	T4-S3-05-J	215263	14.08	228029	16.04		
11	T4-S3-06-A	222786	14.08	218704	16.04		
12	T4-S3-06-B	217001	14.08	217400	16.04		
13	T4-S3-08-B	221992	14.08	213545	16.04		
14	T4-S3-08-C	230403	14.08	228911	16.03		
15	T4-S3-08-C M	227439	14.08	224669	16.03		
16	T4-S3-08-C M	232739	14.08	234309	16.03		
17							
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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.

FORM VIII SV-2

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR ENVIR

ARI Job No: JQ35 — Project: T4 EARLY 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-S3-02-C	275765	6.88	148163	8.95	236793	10.76
02	T4-S3-05-E	288009	6.88	152401	8.95	240720	10.75
03	T4-S3-05-G	268640	6.88	137942	8.95	228879	10.75
04	T4-S3-05-J	282317	6.88	150556	8.94	232914	10.76
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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 ENVIR

ARI Job No: JQ35 — Project: T4 EARLY 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-S3-02-C	205605	14.08	214516	16.03		
02	T4-S3-05-E	208693	14.07	219436	16.03		
03	T4-S3-05-G	198041	14.07	206426	16.03		
04	T4-S3-05-J	199547	14.07	212284	16.02		
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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.

FORM VIII SV-2

ANALYTICAL RESOURCES INCORPORATED

SIM SW8270 SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	MNP	DBA	TOT OUT
MB-080906	74.7%	69.3%	0
LCS-080906	81.0%	75.7%	0
T4-S3-05-F	77.7%	86.7%	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: 06-12964 to 06-12964

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: LCS-080906
LAB CONTROL SAMPLE

Lab Sample ID: LCS-080906
LIMS ID: 06-12964
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 08/09/06
Date Analyzed LCS: 08/10/06 20:49
Instrument/Analyst LCS: FINN3/VTS

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	112	150	74.7%
1-Methylnaphthalene	103	150	68.7%
Acenaphthylene	119	150	79.3%
Acenaphthene	120	150	80.0%
Fluorene	120	150	80.0%
Phenanthrene	128	150	85.3%
Anthracene	127	150	84.7%
Fluoranthene	128	150	85.3%
Pyrene	128	150	85.3%
Benzo(a)anthracene	130	150	86.7%
Chrysene	136	150	90.7%
Benzo(b)fluoranthene	142	150	94.7%
Benzo(k)fluoranthene	138	150	92.0%
Benzo(a)pyrene	129	150	86.0%
Indeno(1,2,3-cd)pyrene	91.5	150	61.0%
Dibenz(a,h)anthracene	99.0	150	66.0%
Benzo(g,h,i)perylene	84.0	150	56.0%

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	81.0%
d14-Dibenzo(a,h)anthracen	75.7%

FORM III

4B
SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

JQ35MBS2

Lab Name: ANALYTICAL RESOURCES, INC

Client: ANCHOR

ARI Job No: JQ35

Project: T4 EARLY ACTION

Lab File ID: JQ35MBR

Date Extracted: 08/09/06

Instrument ID: NT1

Date Analyzed: 08/10/06

Matrix: SOLID

Time Analyzed: 2024

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	JQ35LCSS2	JQ35LCSS2	JQ35SBR	08/10/06
02	T4-S3-05-F	JQ35I	JQ35IRE	08/10/06
03				
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COMMENTS:

FORM IV SV

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

Instrument ID: NT1 Project: T4 EARLY ACTION

DFTPP Injection Date: 08/10/06 DFTPP Injection Time: 1308

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	41.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	42.9
70	Less than 2.0% of mass 69	0.3 (0.7)1
127	25.0 - 75.0% of mass 198	45.7
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	6.7
275	10.0 - 30.0% of mass 198	19.4
365	Greater than 0.75% of mass 198	1.83
441	Present, but less than mass 443	12.5
442	40.0 - 110.0% of mass 198	70.2
443	15.0 - 24.0% of mass 442	13.3 (19.0)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		CC0810	CC0810	08/10/06	1323
02	JQ35MBS2	JQ35MBS2	JQ35MBR	08/10/06	2024
03	JQ35LCSS2	JQ35LCSS2	JQ35SBR	08/10/06	2049
04	T4-S3-05-F	JQ35I	JQ35IRE	08/10/06	2114
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FORM V SV

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR ENVIRONMENTAL

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Cont. Calib. ID: CC0810 — Date Analyzed: 08/10/06

Instrument ID: NT1 — Time Analyzed: 1323

		IS1(NPT) AREA #	RT #	IS2(ANT) AREA #	RT #	IS3(PHN) AREA #	RT #
	12 HOUR STD	253209	6.87	122198	8.94	181565	10.75
	UPPER LIMIT	506418	7.37	244396	9.44	363130	11.25
	LOWER LIMIT	126604	6.37	61099	8.44	90782	10.25
	CLIENT SAMP. NO.						
01	JQ35MBS2	254449	6.87	122720	8.93	185475	10.74
02	JQ35LCSS2	257958	6.87	124932	8.94	181087	10.74
03	T4-S3-05-F	221931	6.87	107051	8.94	161206	10.74
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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: JQ35
Project: T4 EARLY ACTION

Cont. Calib. ID: CC0810
Date Analyzed: 08/10/06

Instrument ID: NT1
Time Analyzed: 1323

		IS4(CRY) AREA #	RT #	IS5(PRY) AREA #	RT #	AREA #	RT #
	12 HOUR STD	143956	14.05	157395	16.00		
	UPPER LIMIT	287912	14.55	314790	16.50		
	LOWER LIMIT	71978	13.55	78698	15.50		
	CLIENT SAMP. NO.						
01	JQ35MBS2	162567	14.06	171882	16.00		
02	JQ35LCSS2	157919	14.06	166898	16.00		
03	T4-S3-05-F	161363	14.06	170272	16.00		
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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.

FORM VIII SV-2

SIM Semivolatile Analysis
Sample Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ35

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-02-C
SAMPLE

Lab Sample ID: JQ35A
LIMS ID: 06-12956
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/08/06 10:17
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: 20.0
Percent Moisture: 46.8%
pH: 6.7

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**99**	**160**
91-57-6	2-Methylnaphthalene	99	< 99 U
90-12-0	1-Methylnaphthalene	99	< 99 U
208-96-8	Acenaphthylene	99	< 99 U
83-32-9	**Acenaphthene**	**99**	**890**
86-73-7	**Fluorene**	**99**	**480**
85-01-8	**Phenanthrene**	**99**	**4,000**
120-12-7	**Anthracene**	**99**	**880**
206-44-0	**Fluoranthene**	**99**	**8,900**
129-00-0	**Pyrene**	**99**	**8,200**
56-55-3	**Benzo(a)anthracene**	**99**	**5,500**
218-01-9	**Chrysene**	**99**	**6,700**
205-99-2	**Benzo(b)fluoranthene**	**99**	**7,100**
207-08-9	**Benzo(k)fluoranthene**	**99**	**6,400**
50-32-8	**Benzo(a)pyrene**	**99**	**7,600**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**99**	**4,600**
53-70-3	**Dibenz(a,h)anthracene**	**99**	**1,700**
191-24-2	**Benzo(g,h,i)perylene**	**99**	**5,600**
198-55-0	**Perylene**	**99**	**2,300**
92-52-4	Biphenyl	99	< 99 U
581-42-0	2,6-Dimethylnaphthalene	99	< 99 U
832-69-9	**1-Methylphenanthrene**	**99**	**260**
192-97-2	**Benzo(e)pyrene**	**99**	**4,500**
2245-38-7	2,3,5-Trimethylnaphthalene	99	< 99 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	76.7%
d14-Dibenzo(a,h)anthracen	66.0%

FORM I

Y 8/9/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060808.b/jq35a20.d
Lab Smp Id: JQ35A — Client Smp ID: T4-S3-02-C
Inj Date : 08-AUG-2006 10:17
Operator : VTS — Inst ID: nt1.i
Smp Info : JQ35A,20
Misc Info : 06-12956
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: 1
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	19.00000	Weight of sample extracted (g)
M	46.80000	% 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	6.884	(1.000)	275765	2.00000	
2 Naphthalene	128	6.907	6.907	(1.003)	21560	0.15674	155.1
$ 3 2-Methylnaphthalene-d10	152	7.640	7.640	(1.110)	8149	0.11473	113.5
4 2-Methylnaphthalene	142	7.676	7.676	(1.115)	6688	0.08210 J	81.23
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.946	8.946	(1.000)	148163	2.00000	
9 Acenaphthene	153	8.982	8.982	(1.004)	65470	0.89993	890.3
10 Dibenzofuran	168	9.171	9.171	(1.025)	18488	0.17253	170.7
11 Fluorene	166	9.596	9.596	(1.073)	39773	0.47677	471.7
* 15 Phenanthrene-d10	188	10.761	10.755	(1.000)	236793	2.00000	
16 Phenanthrene	178	10.784	10.784	(1.002)	488701	4.02084	3978
17 Anthracene	178	10.843	10.843	(1.008)	107634	0.88616	876.7
19 Fluoranthene	202	12.280	12.280	(1.141)	1116184	9.00367	8907

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
20 Pyrene	202	12.569	12.569	(0.893)	1097780	8.31495	8226
22 Benzo(a)anthracene	228	14.053	14.047	(0.998)	688783	5.56312	5504
* 23 Chrysene-d12	240	14.076	14.070	(1.000)	205605	2.00000	
24 Chrysene	228	14.106	14.100	(1.002)	768044	6.72549	6654
28 Benzo(b)fluoranthene	252	15.453	15.441	(0.964)	873239	7.21281	7136
29 Benzo(k)fluoranthene	252	15.477	15.477	(0.966)	832187	6.44757	6379
30 Benzo(a)pyrene	252	15.944	15.938	(0.995)	907935	7.69640	7614
* 31 Perylene-d12	264	16.027	16.021	(1.000)	214516	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	17.995	17.989	(1.123)	637875	4.70188	4652
$ 32 Dibenz(a,h)anthrancene-d14	292	17.900	17.912	(1.117)	8127	0.09900	97.94(M)
34 Dibenz(a,h)anthracene	278	17.977	17.977	(1.122)	187645	1.69312	1675
35 Benzo(g,h,i)perylene	276	18.580	18.568	(1.159)	638998	5.66630	5606
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	11.559	(0.821)	21910	0.26033	257.6
52 Benzo(e)pyrene	252	15.867	15.861	(0.990)	590678	4.52343	4475
53 Perylene	252	16.068	16.068	(1.003)	287533	2.34516	2320

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: jq35a20.d
Lab Smp Id: JQ35A
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060808.b/simpna.m
Misc Info: 06-12956

Calibration Date: 08-AUG-2006
Calibration Time: 09:27
Client Smp ID: T4-S3-02-C
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	260380	130190	520760	275765	5.91
8 Acenaphthene-d10	135690	67845	271380	148163	9.19
15 Phenanthrene-d10	210931	105466	421862	236793	12.26
23 Chrysene-d12	190595	95298	381190	205605	7.88
31 Perylene-d12	193807	96904	387614	214516	10.69

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	10.75	10.25	11.25	10.76	0.06
23 Chrysene-d12	14.07	13.57	14.57	14.08	0.04
31 Perylene-d12	16.02	15.52	16.52	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: JQ35A
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: 06-12956

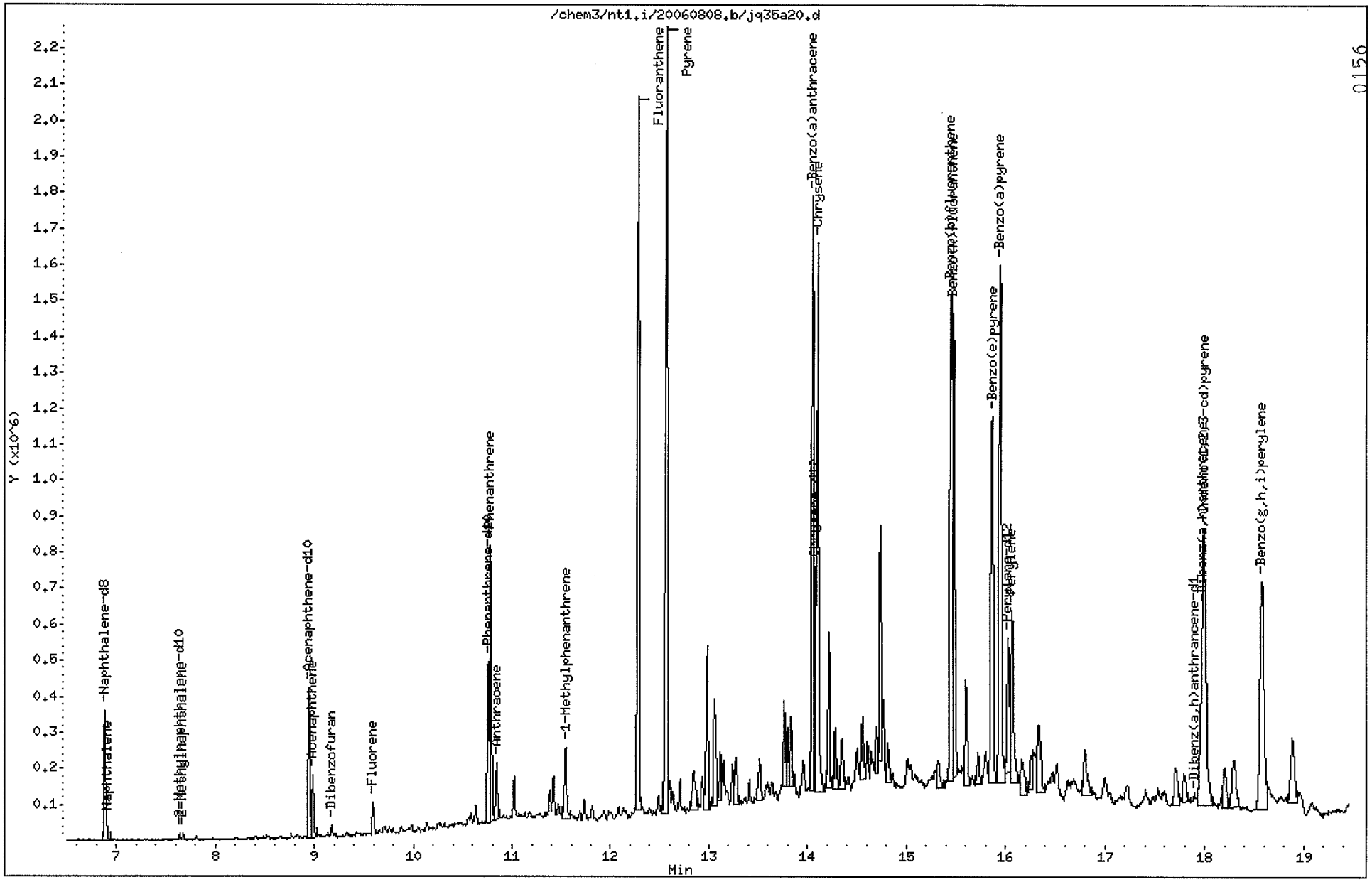
Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-02-C
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	148.4	113.5	76.49	32-97
$ 32 Dibenz(a,h)anthran	148.4	97.94	66.00	21-105

Data File: /chem3/nt1.i/20060808.b/jq35a20.d
Date : 08-AUG-2006 10:17
Client ID: T4-S3-02-C
Sample Info: JQ35A,20
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i

Operator: VTS
Column diameter: 0.25



0156

Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

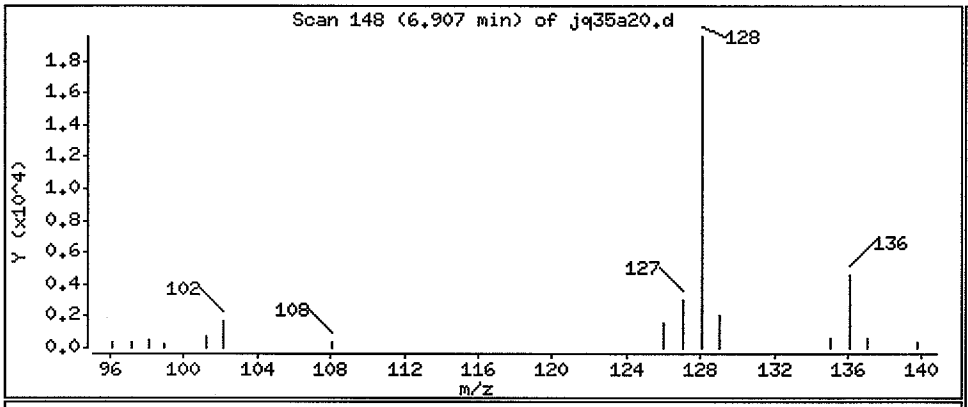
Operator: VTS

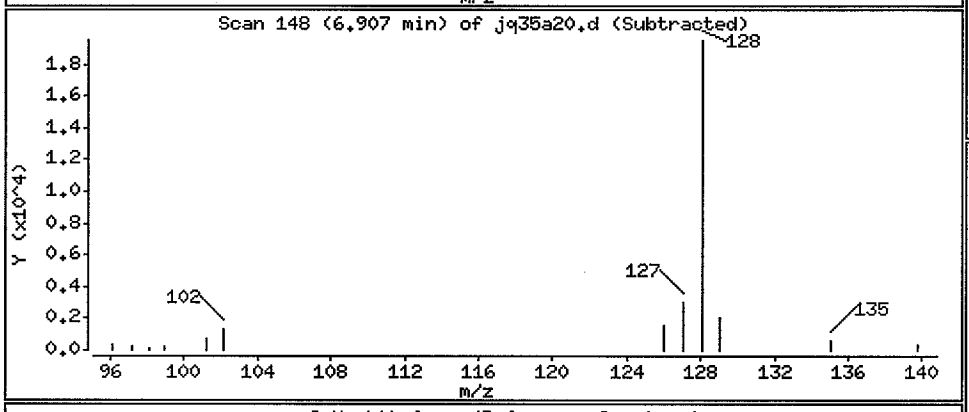
Column phase: ZB-5

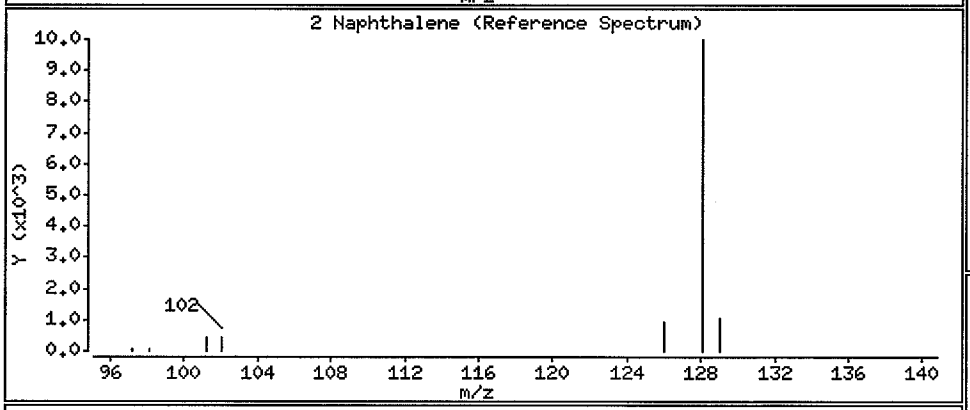
Column diameter: 0.25

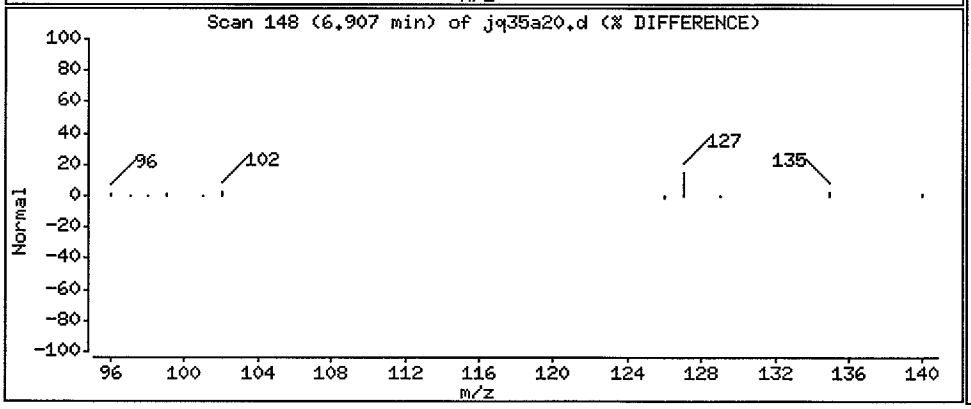
2 Naphthalene

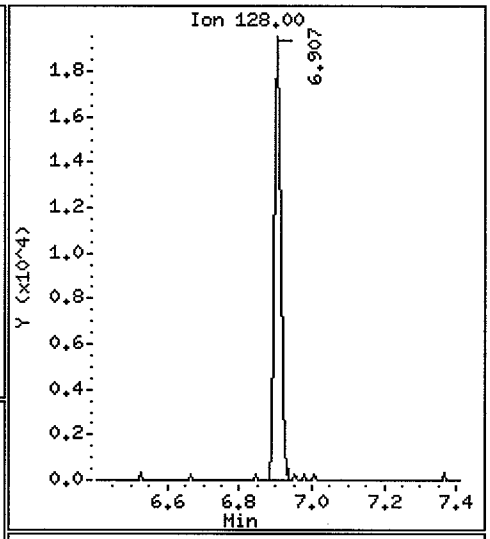
Concentration: 155.1 ug/kg

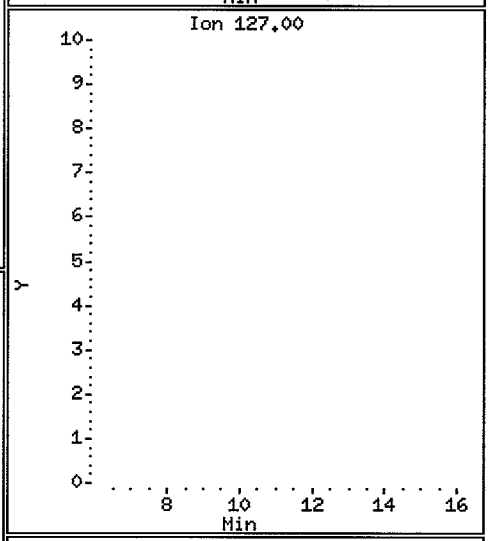


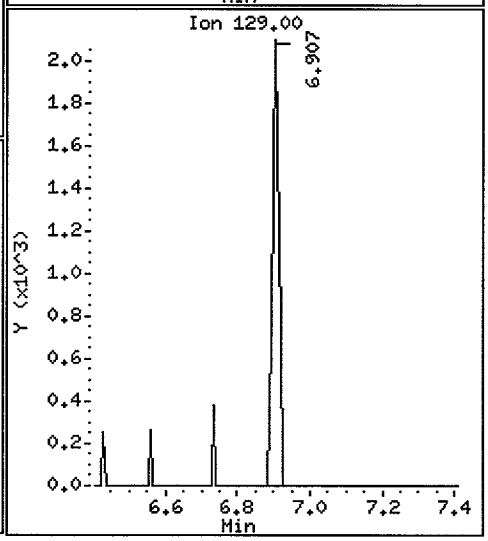












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

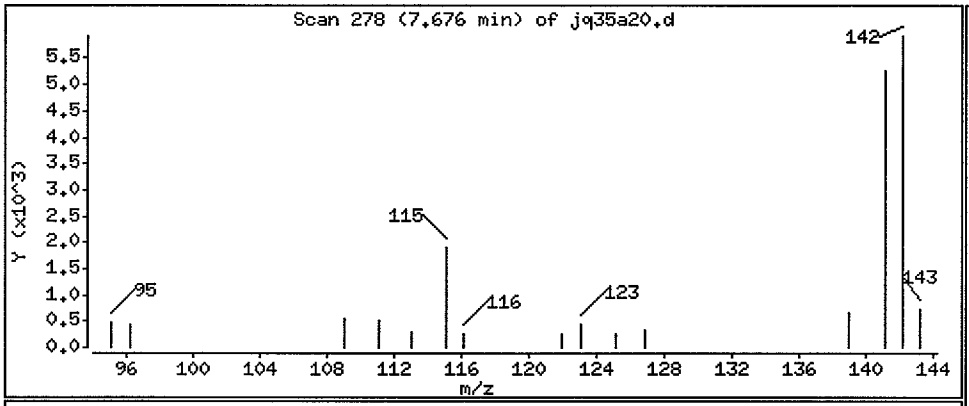
Operator: VTS

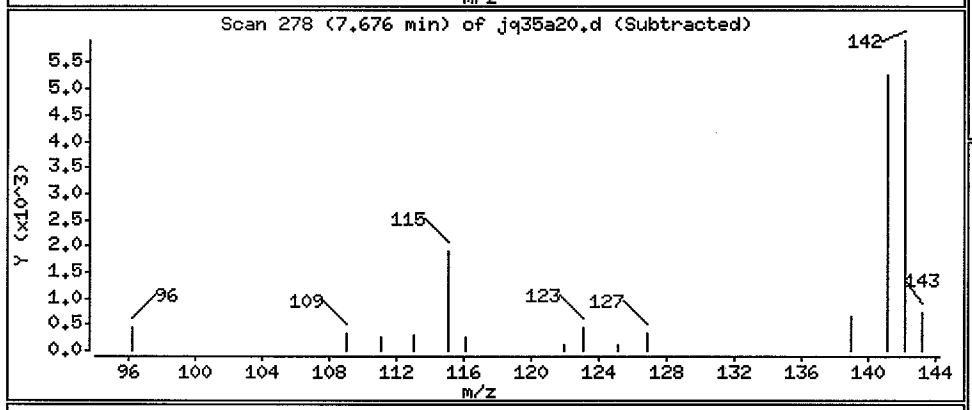
Column phase: ZB-5

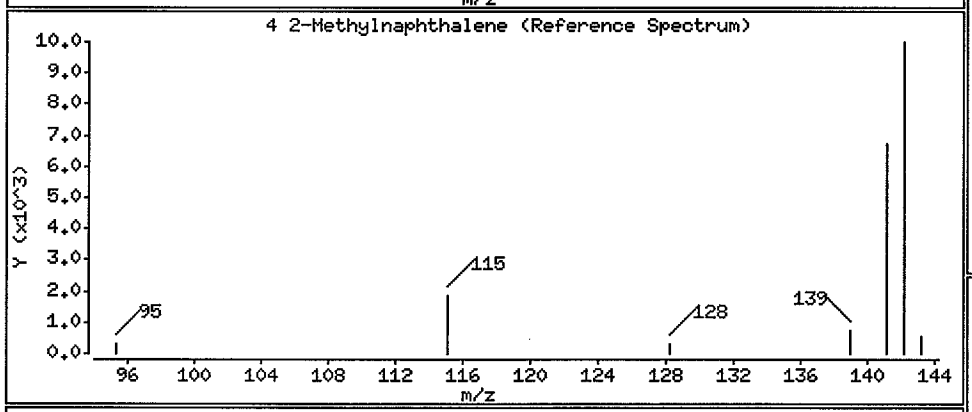
Column diameter: 0.25

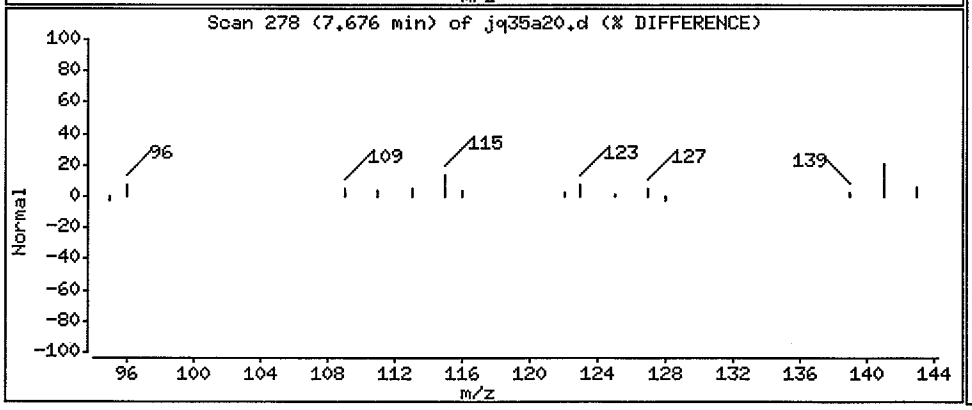
4 2-Methylnaphthalene

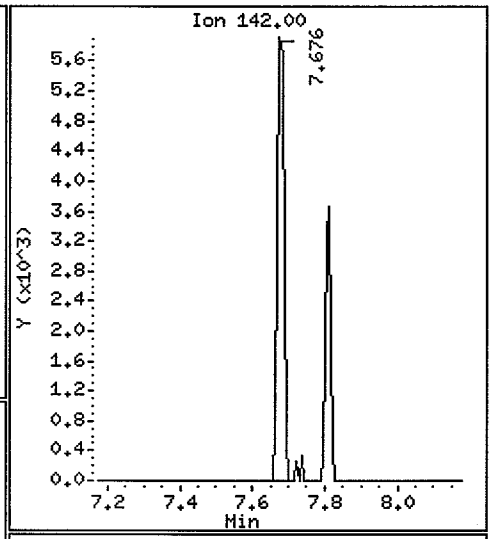
Concentration: 81.23 ug/kg

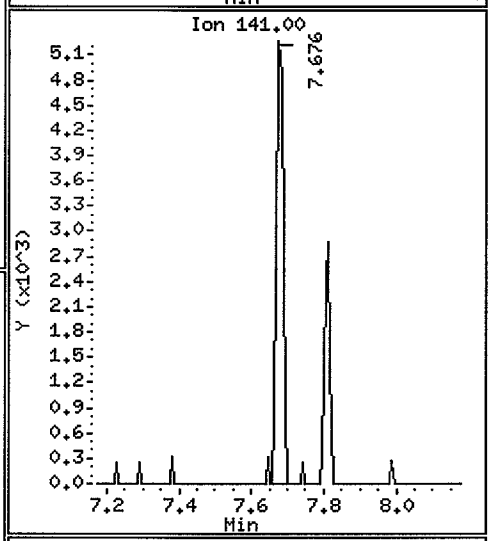


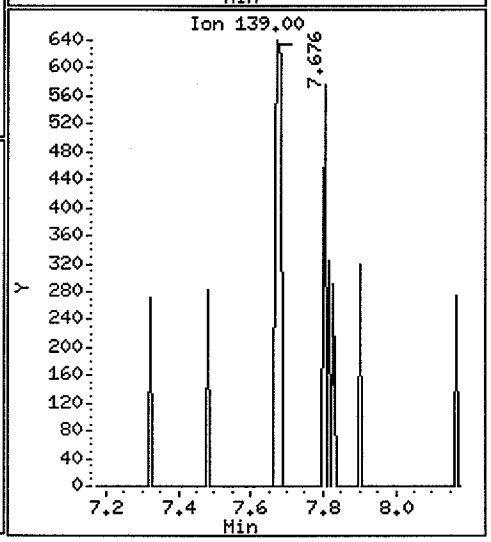












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

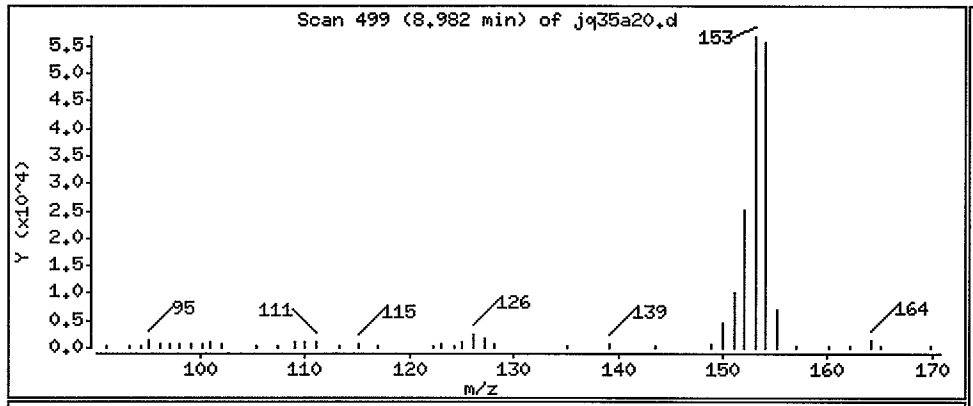
Operator: VTS

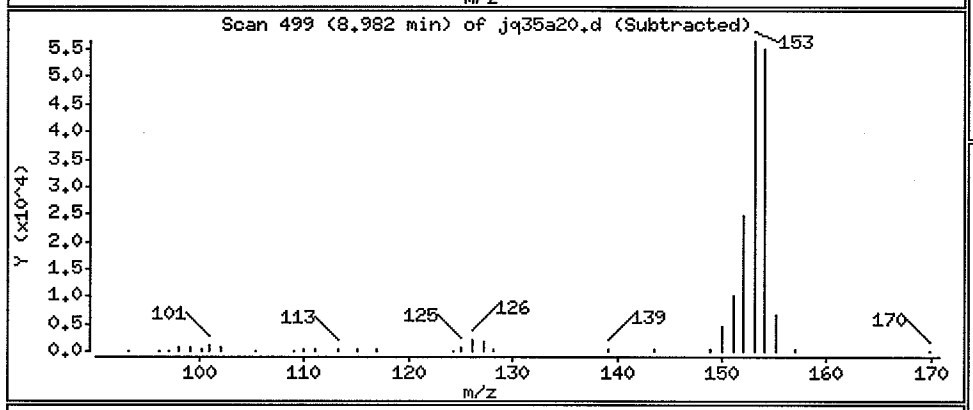
Column phase: ZB-5

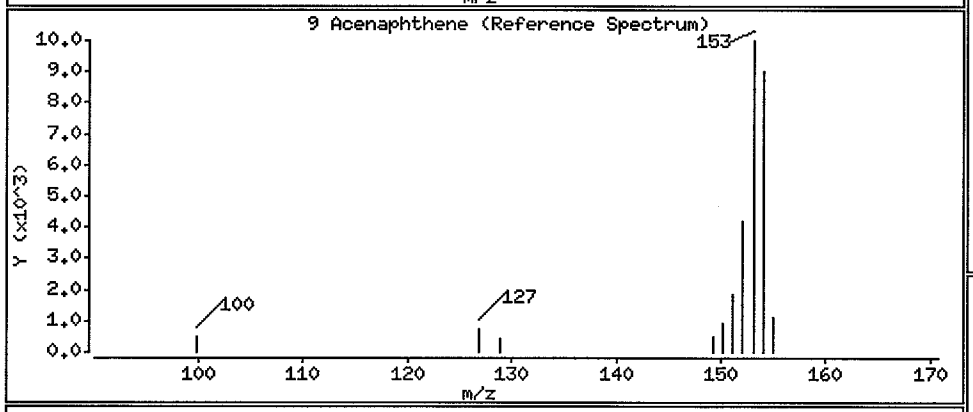
Column diameter: 0.25

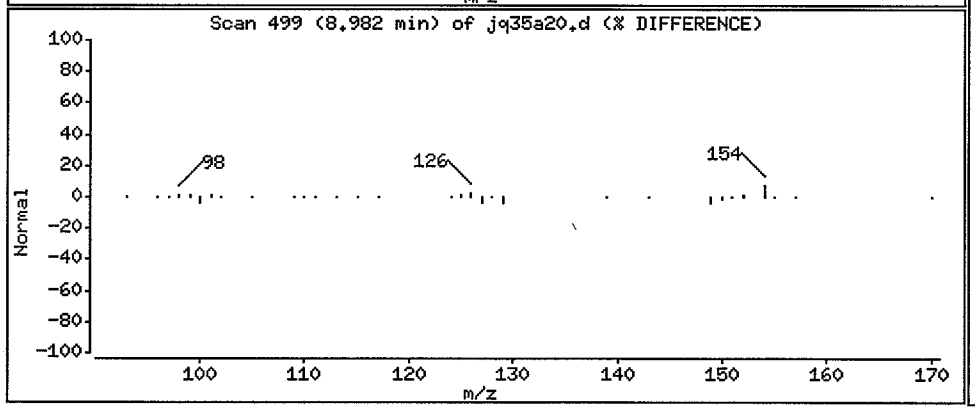
9 Acenaphthene

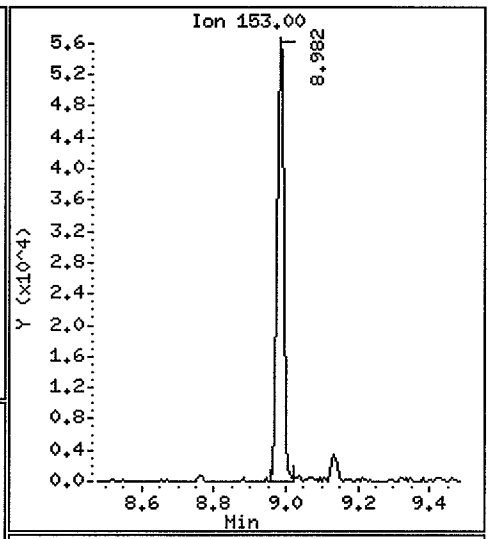
Concentration: 890.3 ug/kg

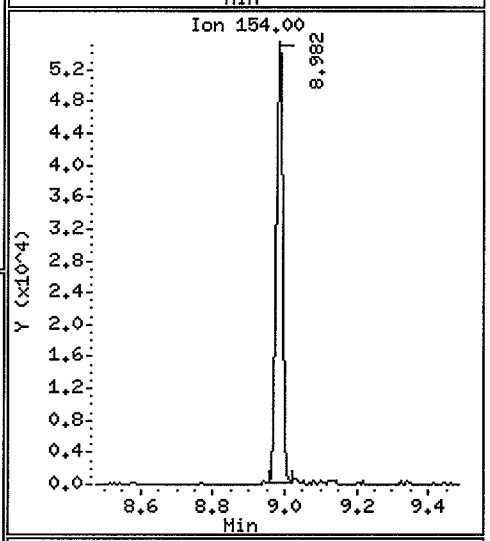


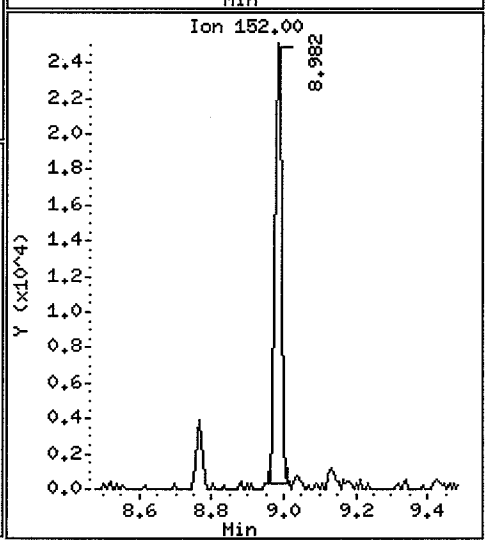












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

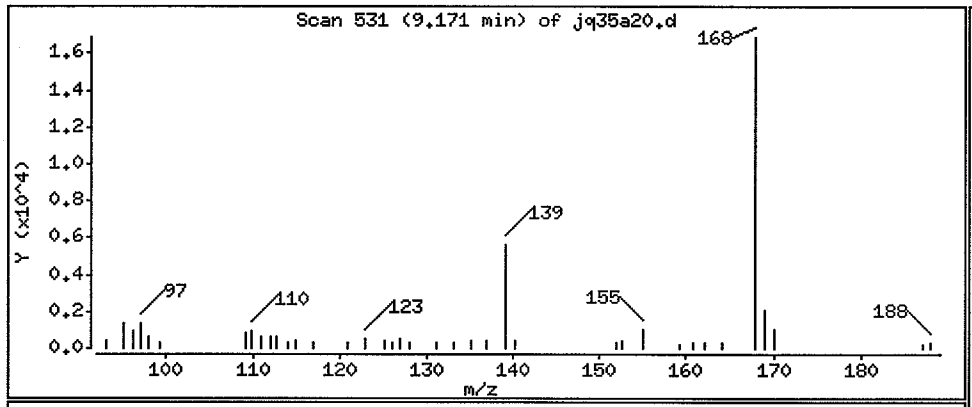
Operator: VTS

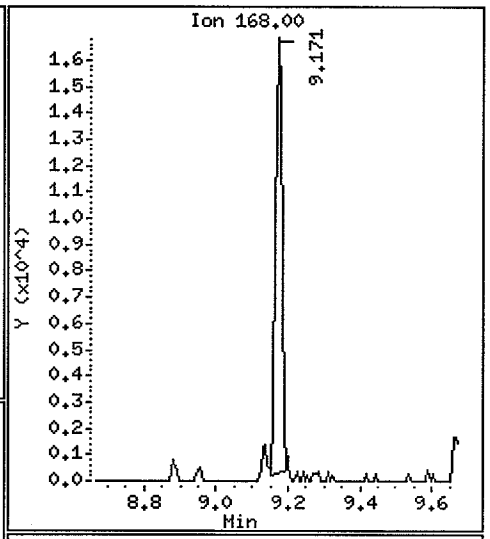
Column phase: ZB-5

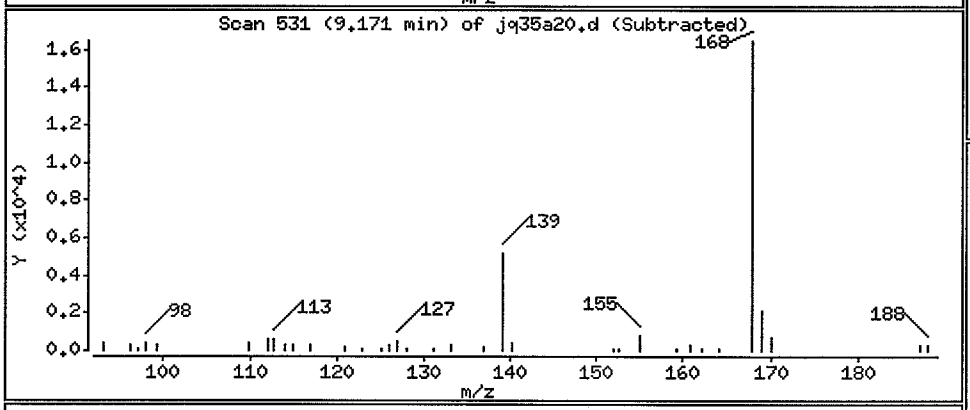
Column diameter: 0.25

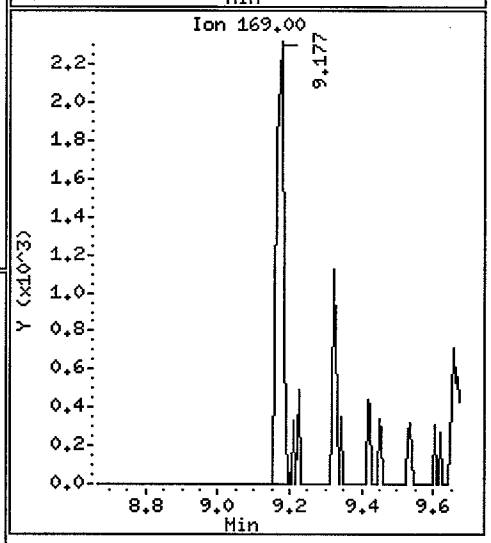
10 Dibenzofuran

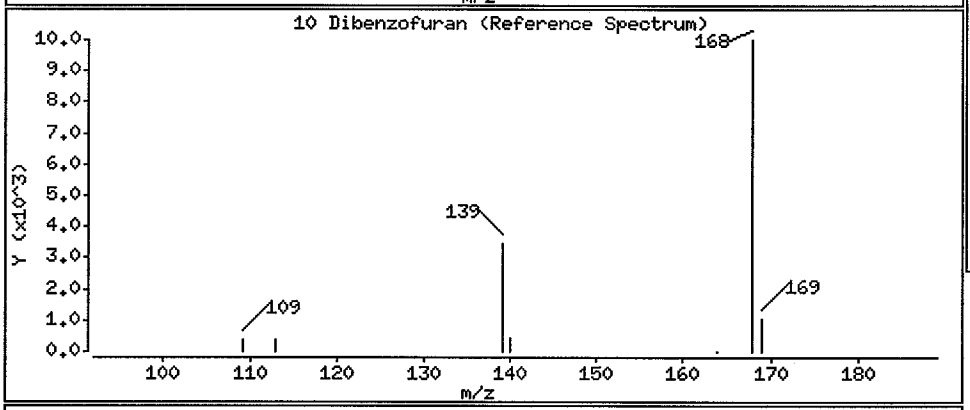
Concentration: 170.7 ug/kg

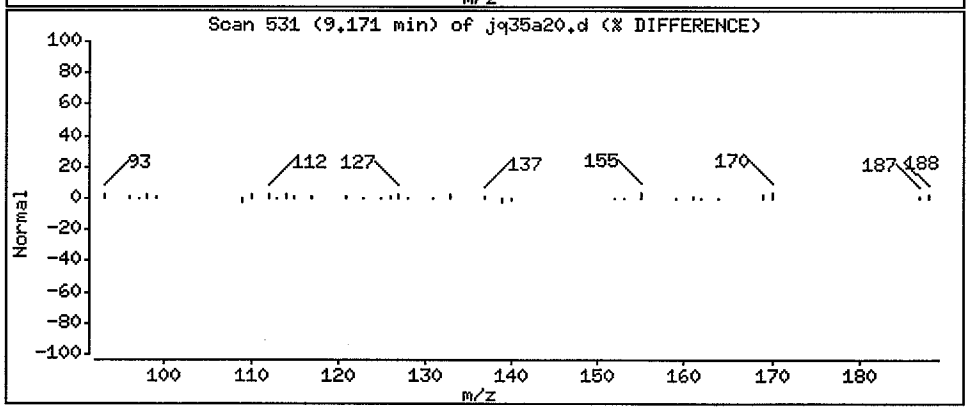












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

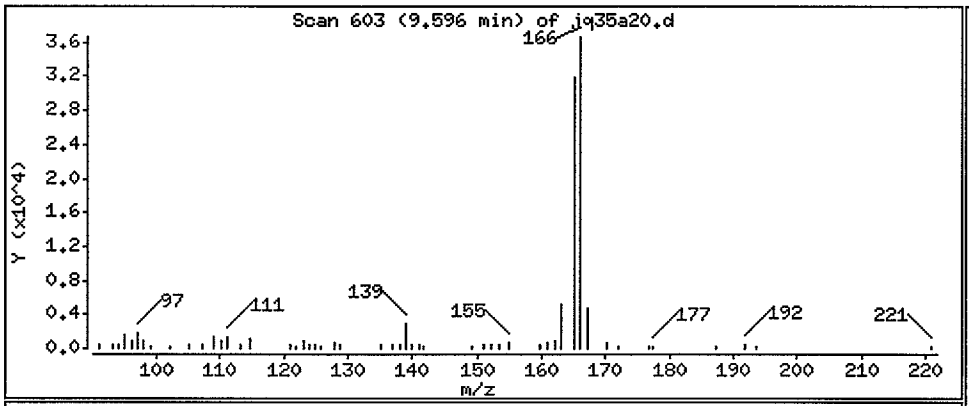
Operator: VTS

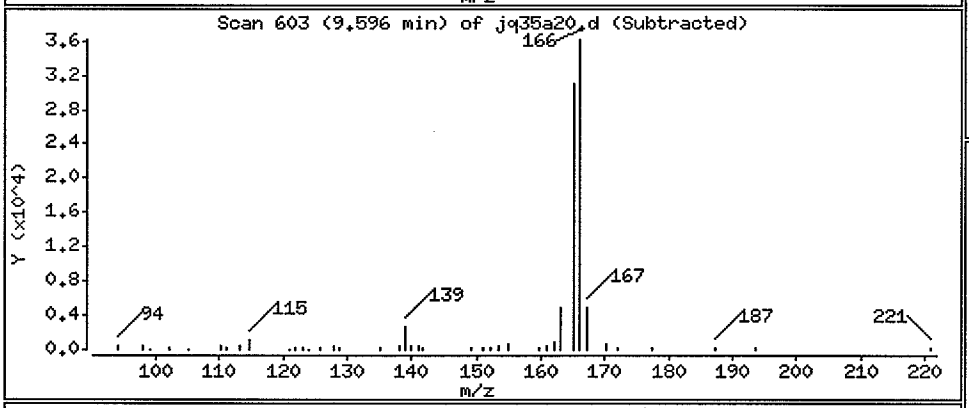
Column phase: ZB-5

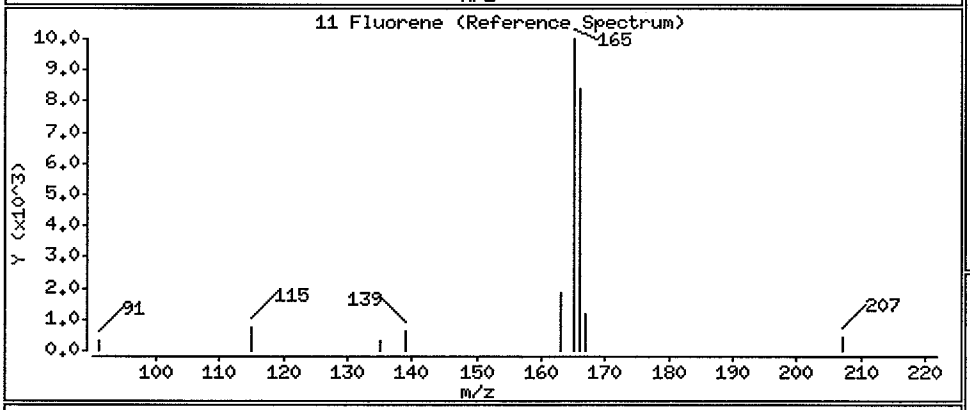
Column diameter: 0.25

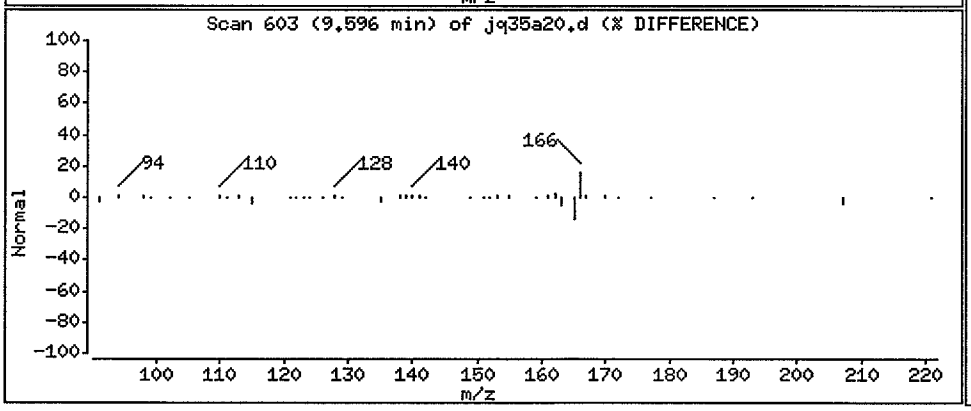
11 Fluorene

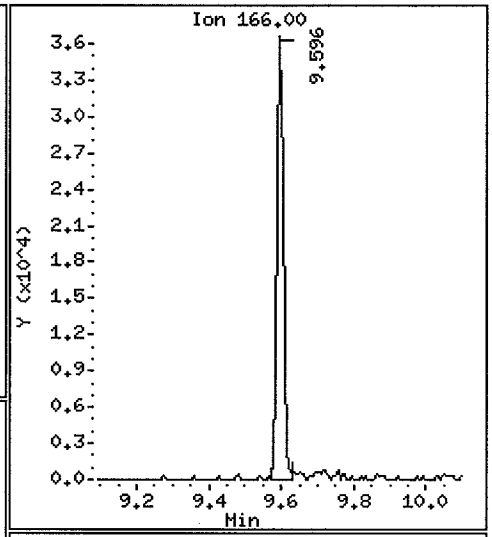
Concentration: 471.7 ug/kg

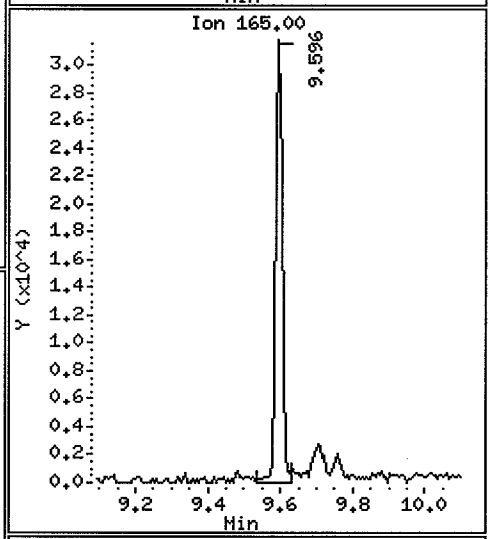


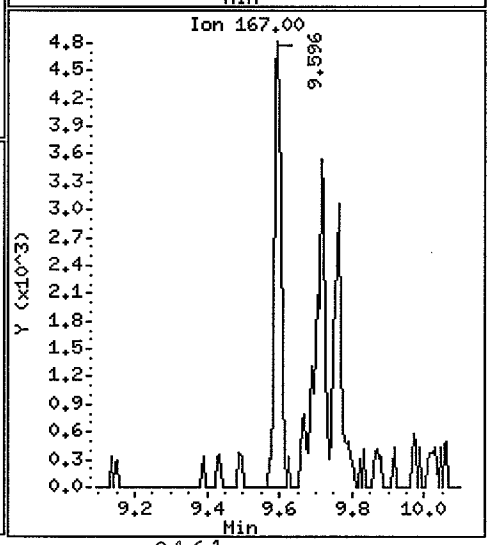












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

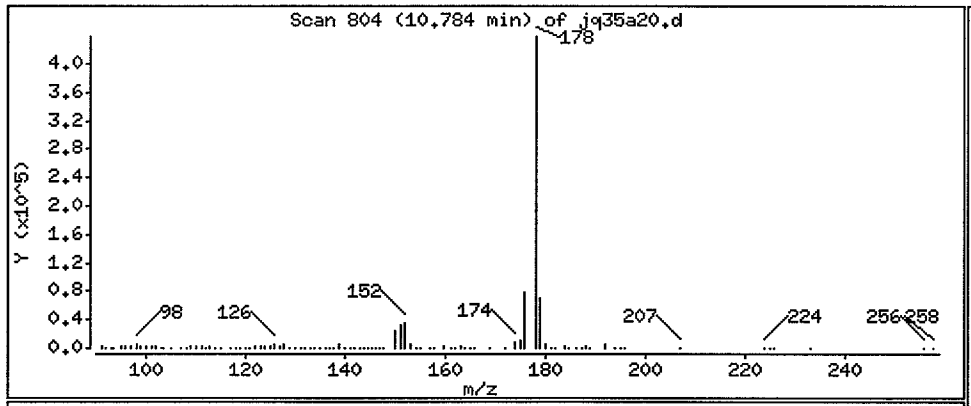
Operator: VTS

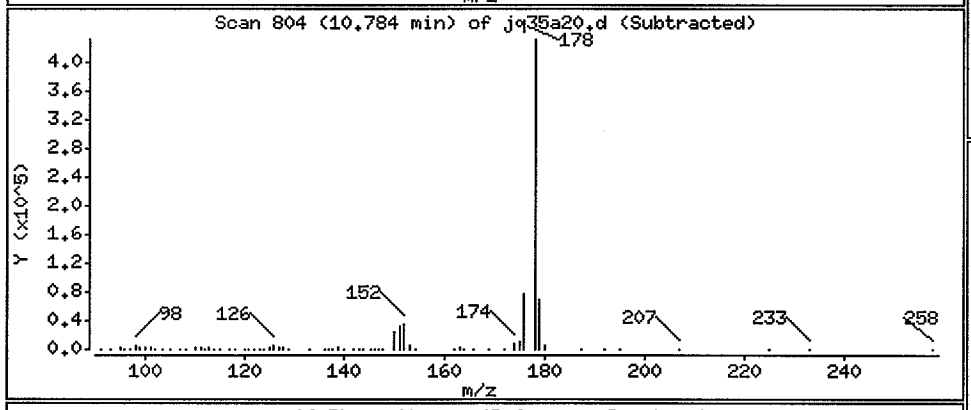
Column phase: ZB-5

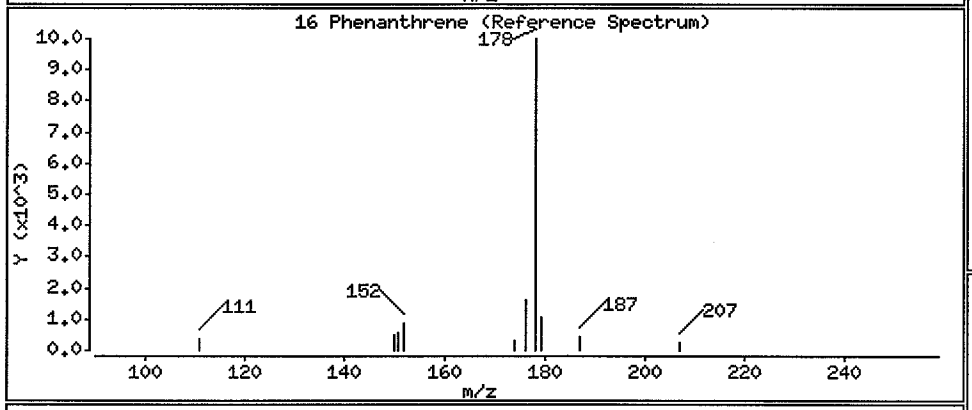
Column diameter: 0.25

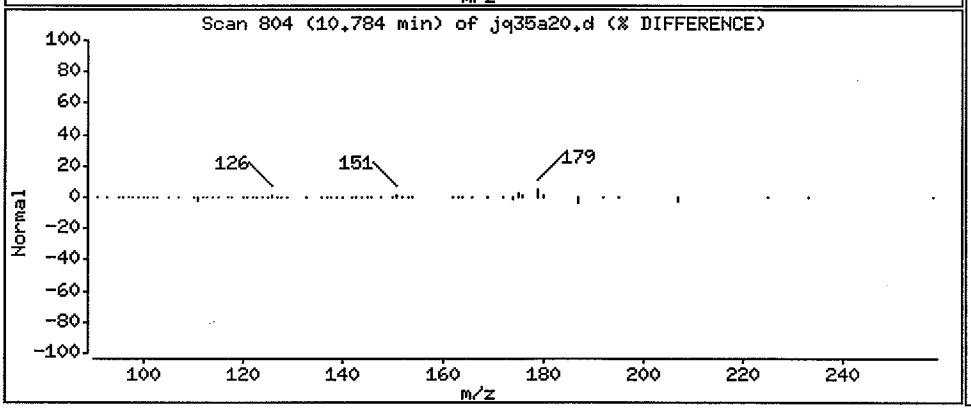
16 Phenanthrene

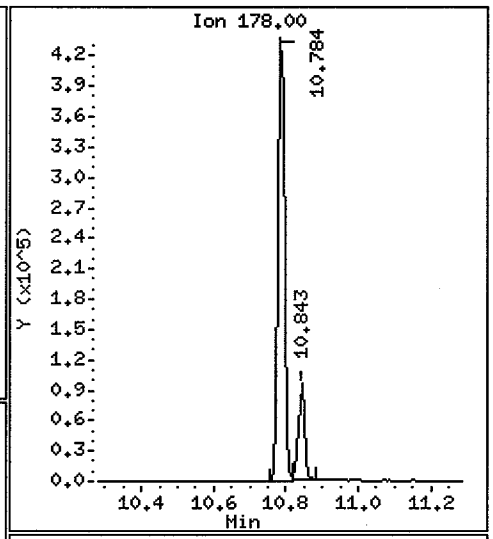
Concentration: 3978 ug/kg

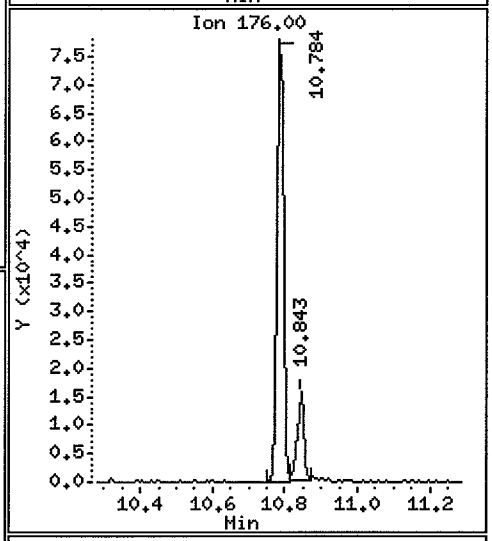


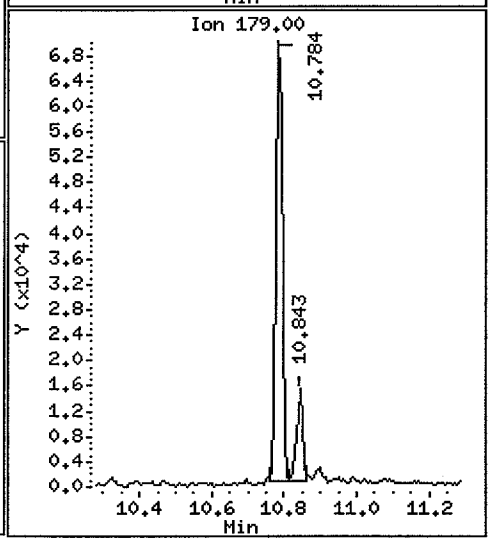












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

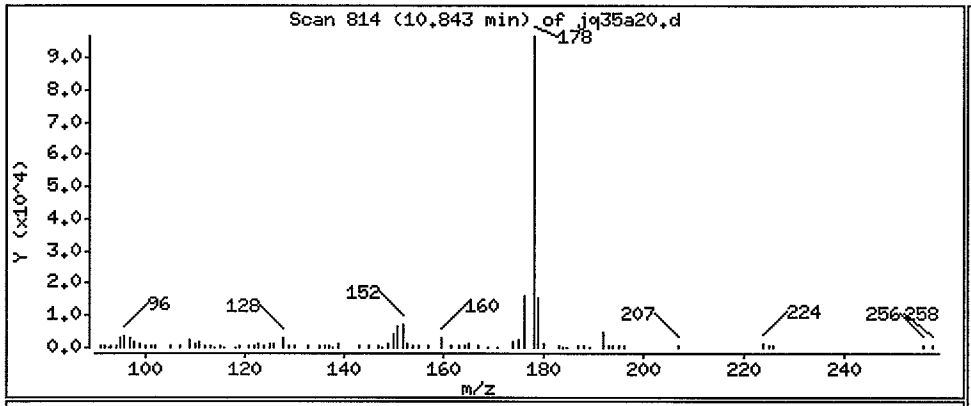
Operator: VTS

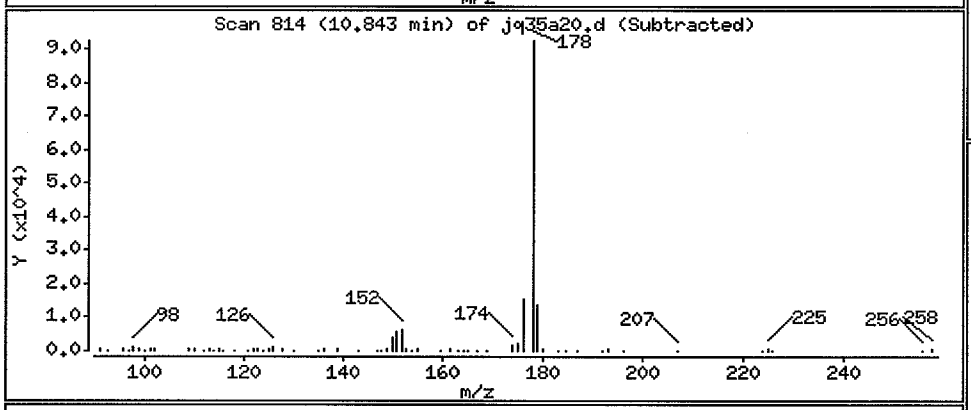
Column phase: ZB-5

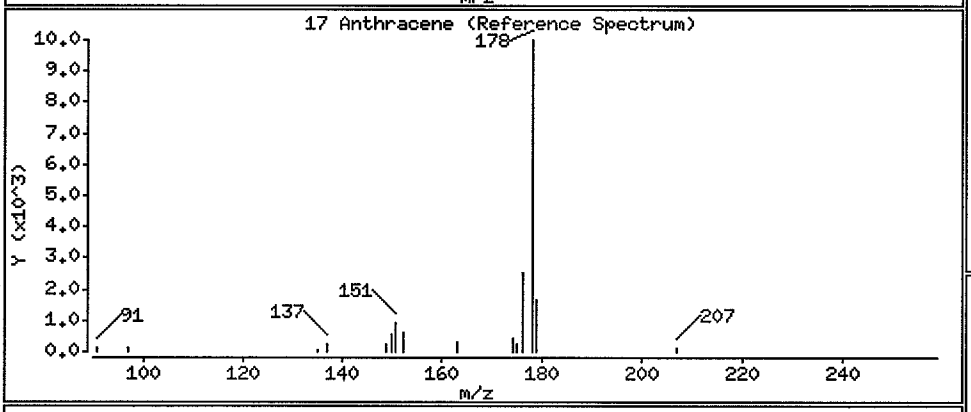
Column diameter: 0.25

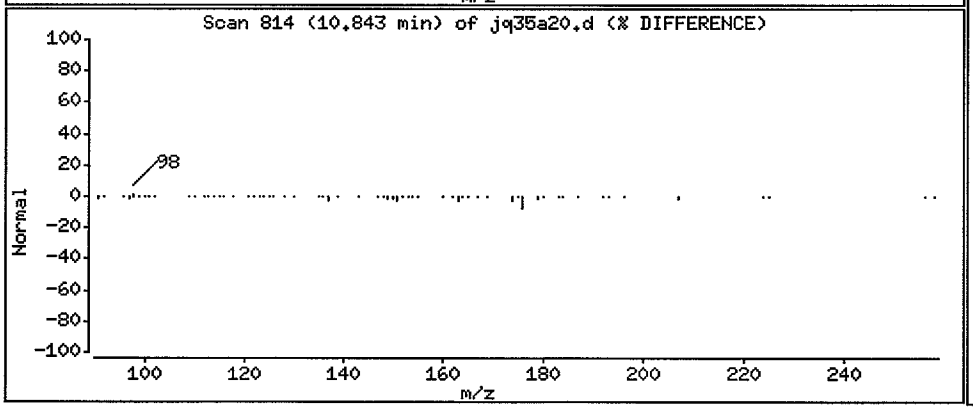
17 Anthracene

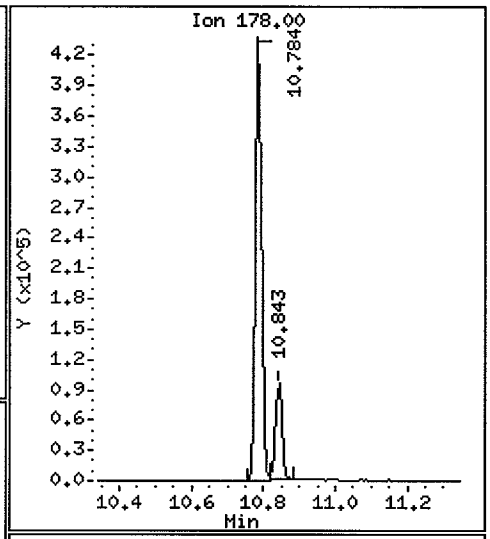
Concentration: 876.7 ug/kg

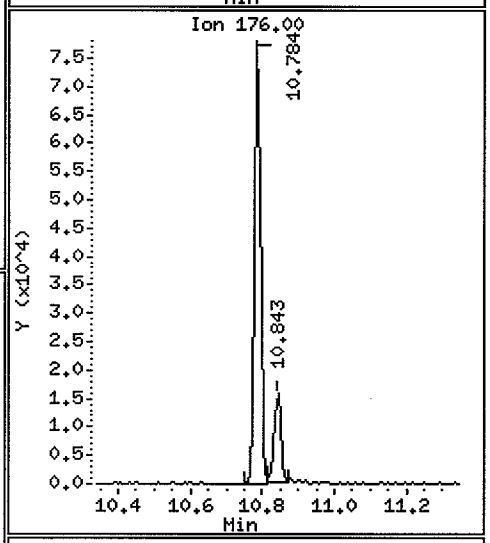


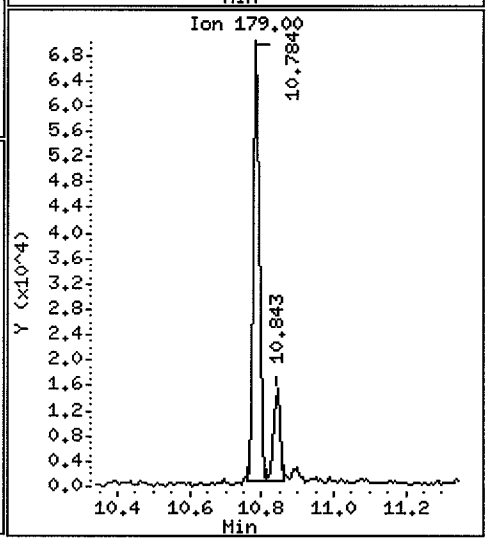












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

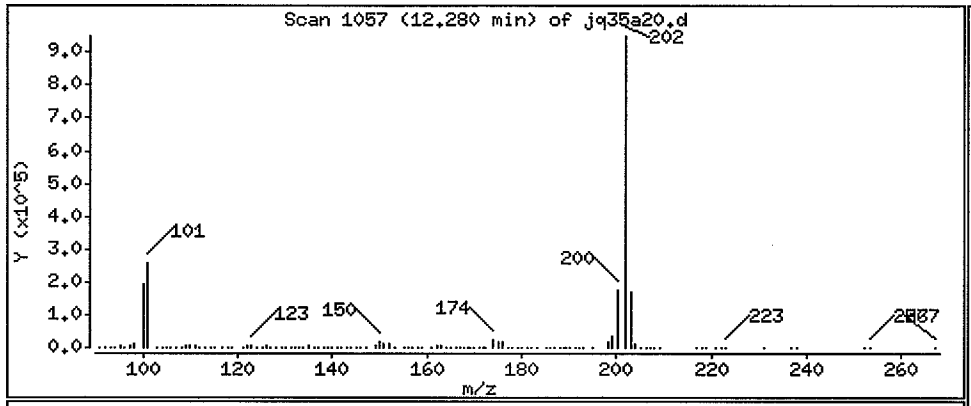
Operator: VTS

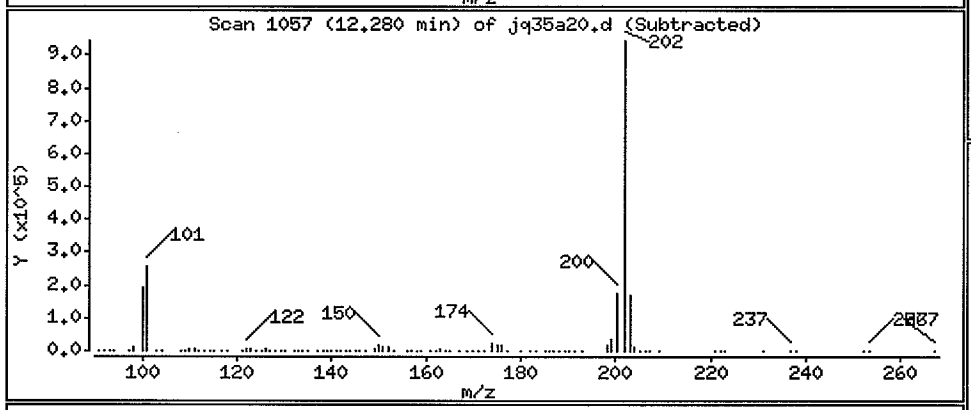
Column phase: ZB-5

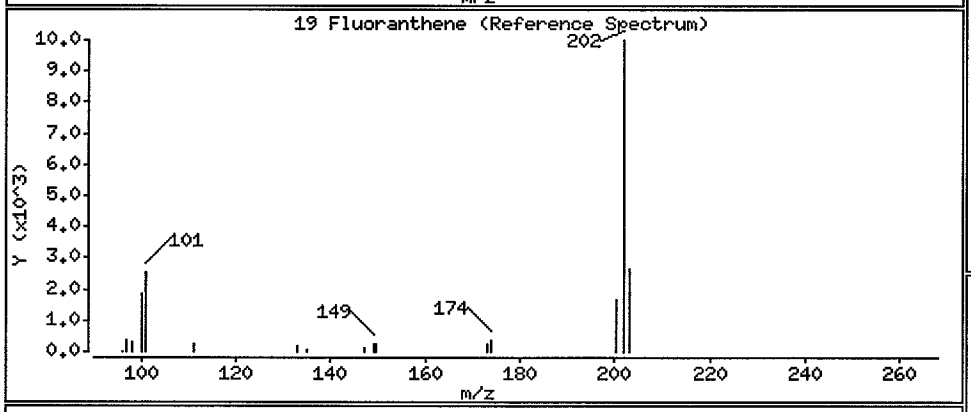
Column diameter: 0.25

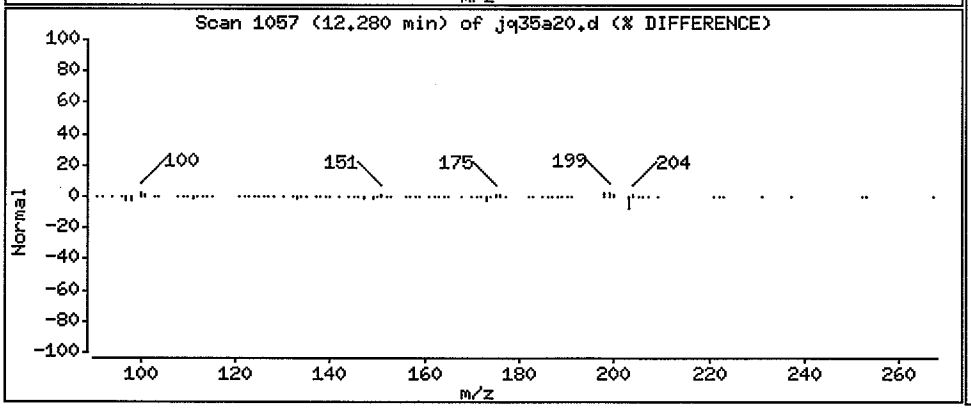
19 Fluoranthene

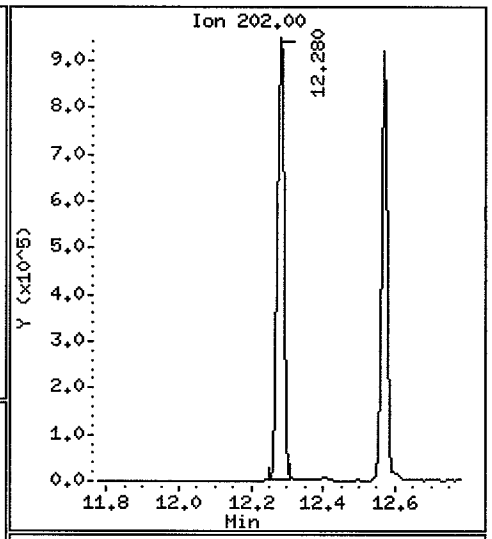
Concentration: 8907 ug/kg

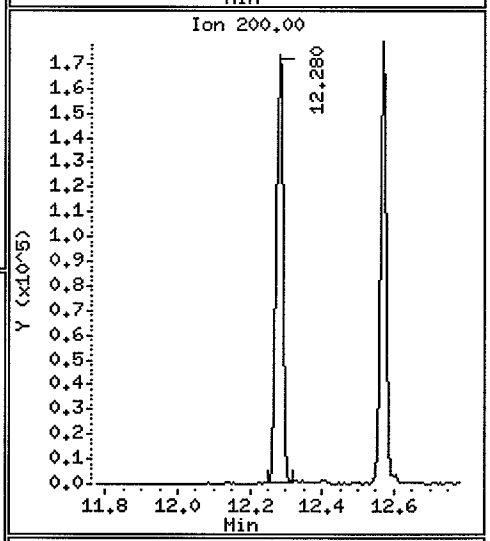


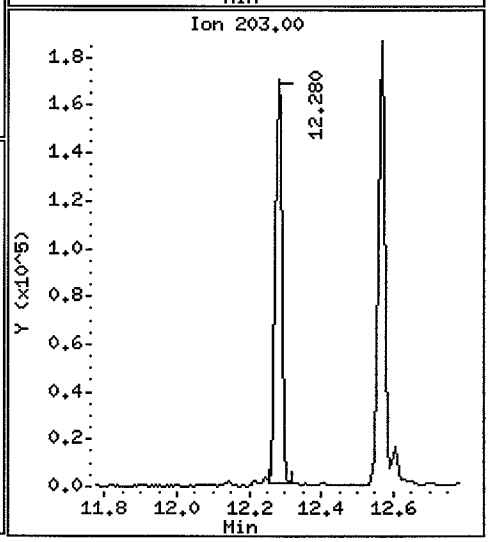












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

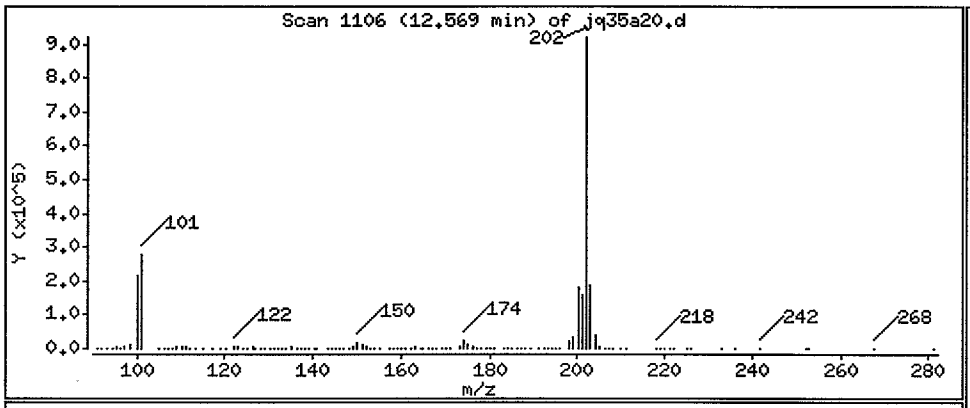
Operator: VTS

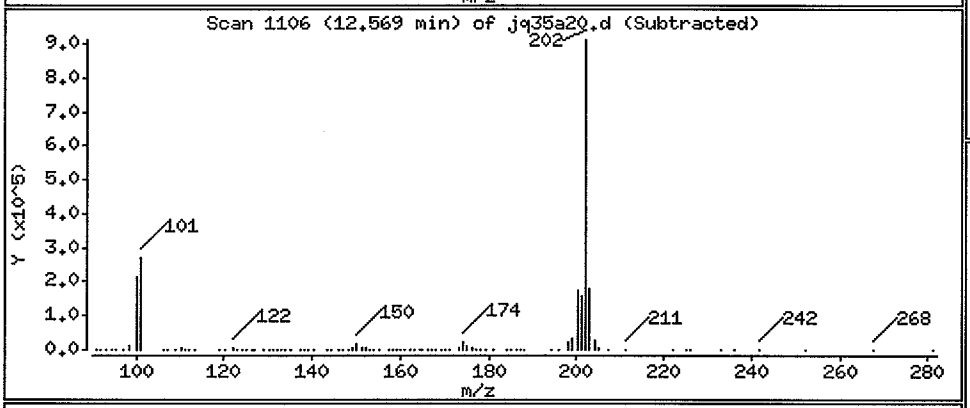
Column phase: ZB-5

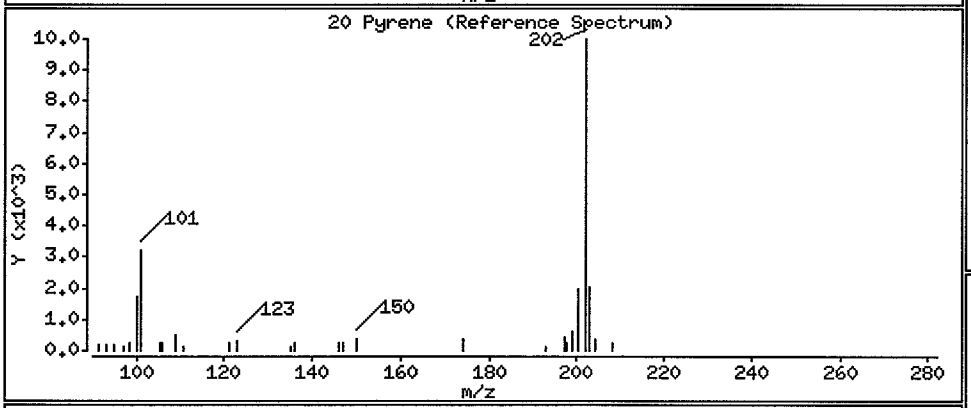
Column diameter: 0.25

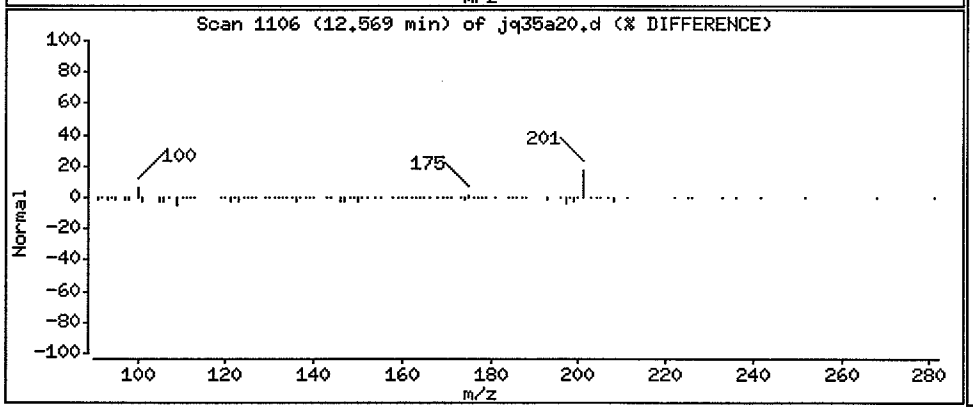
20 Pyrene

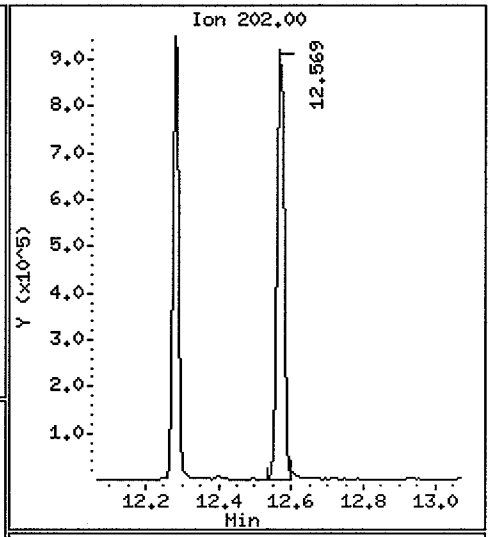
Concentration: 8226 ug/kg

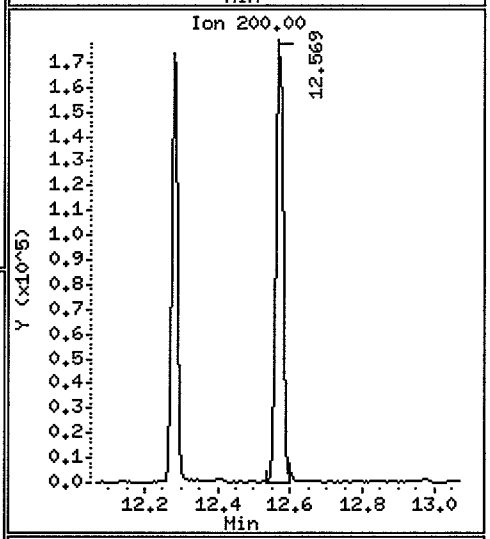


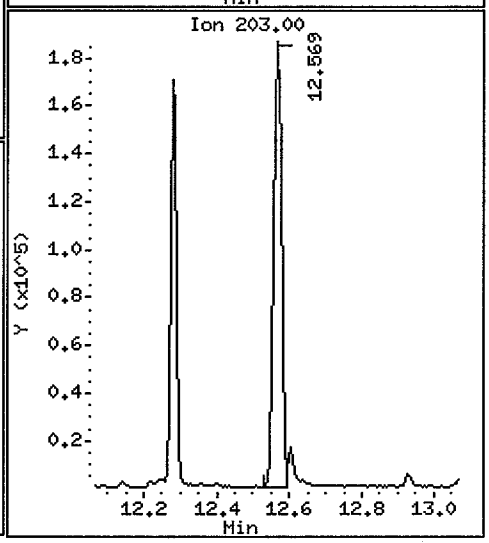












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

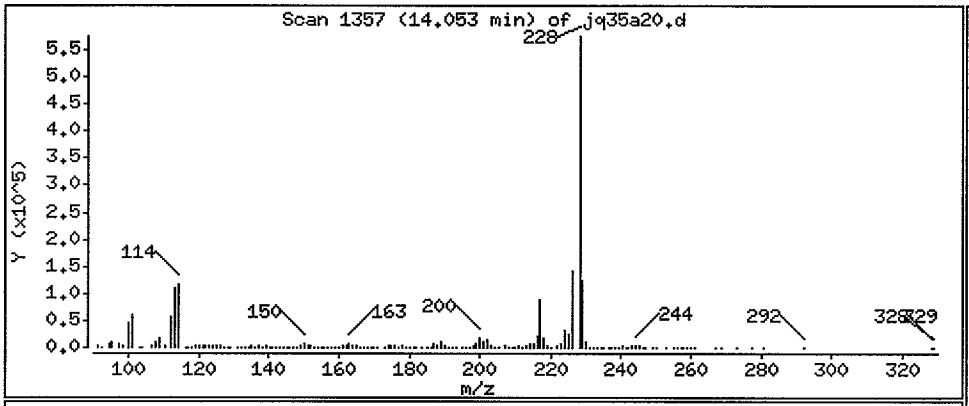
Operator: VTS

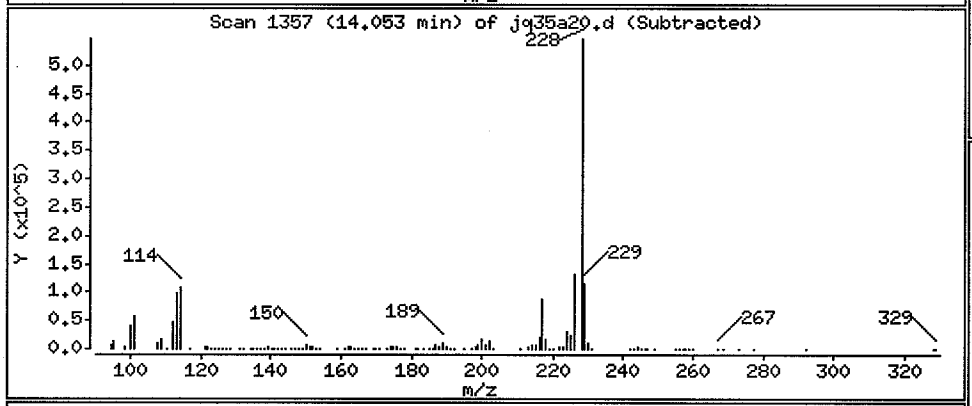
Column phase: ZB-5

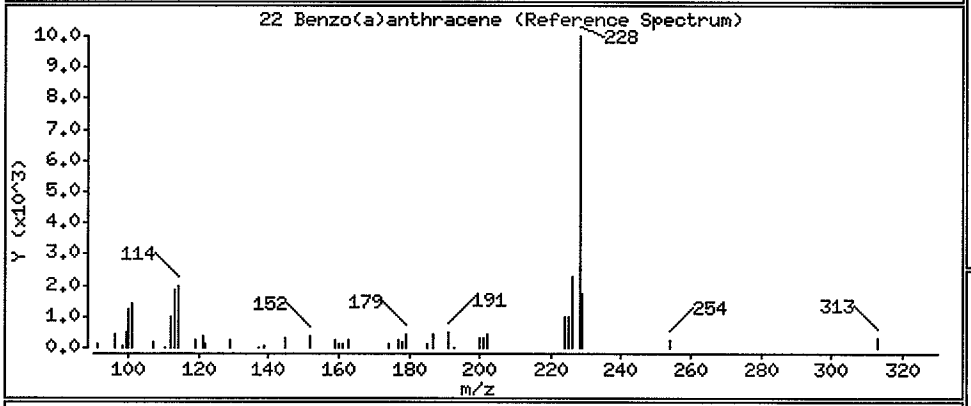
Column diameter: 0.25

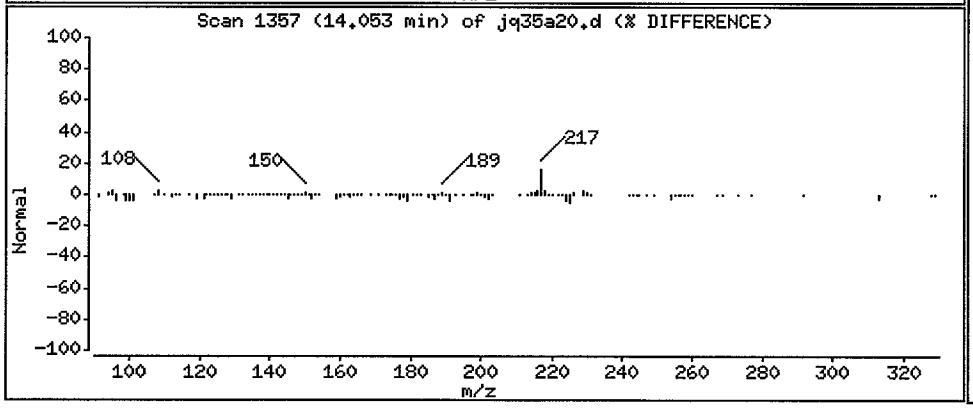
22 Benzo(a)anthracene

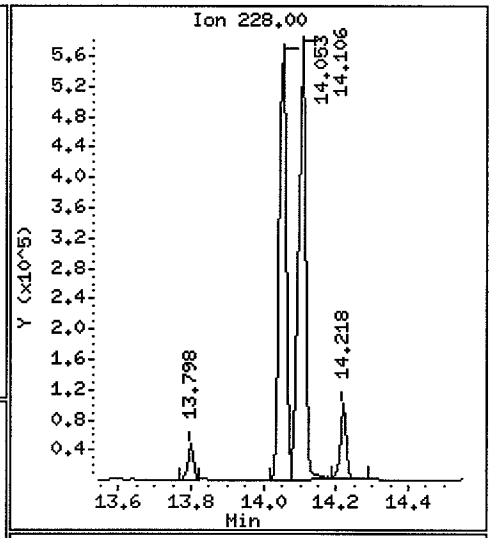
Concentration: 5504 ug/kg

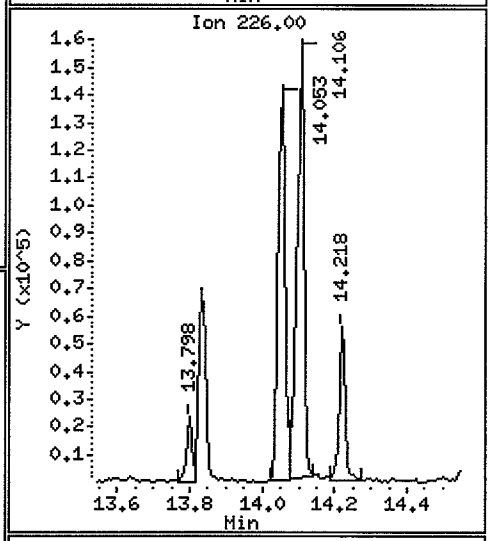


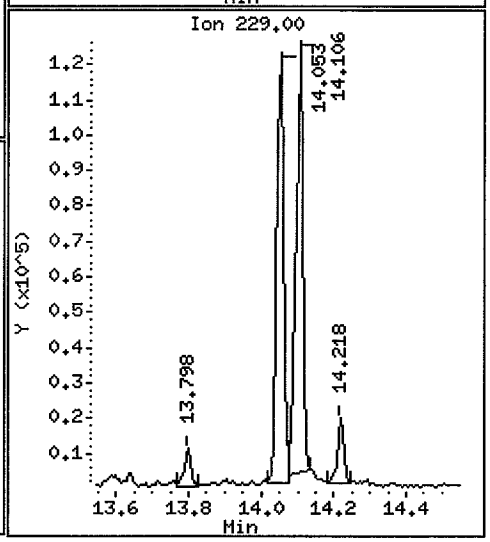












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

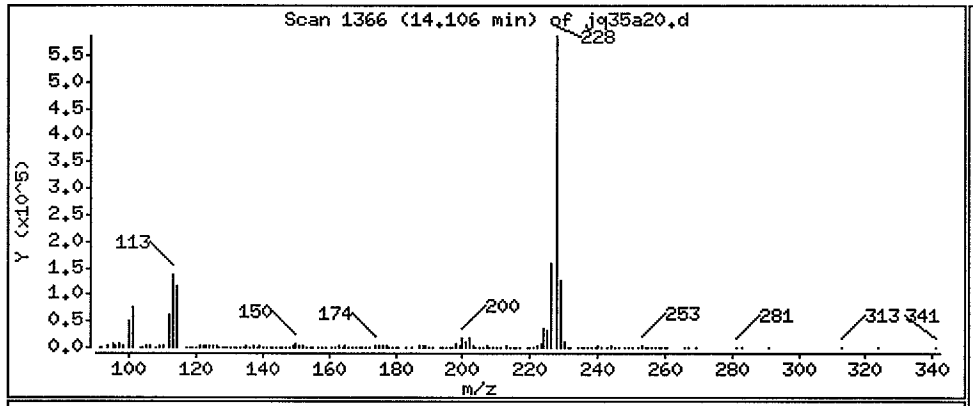
Operator: VTS

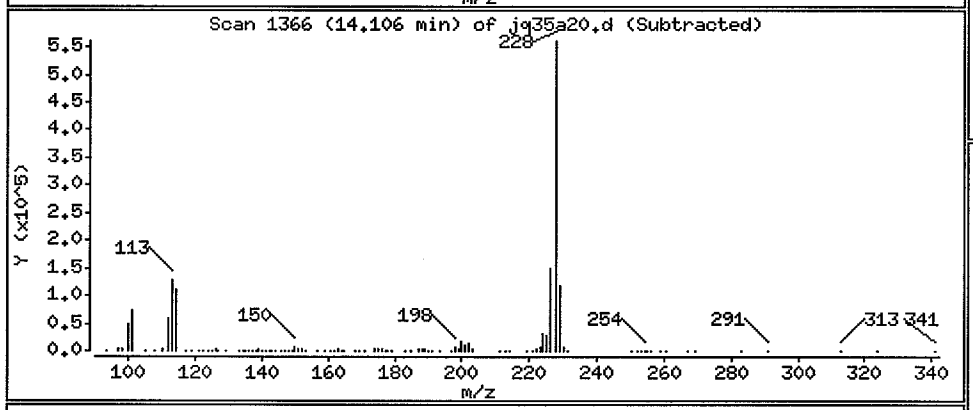
Column phase: ZB-5

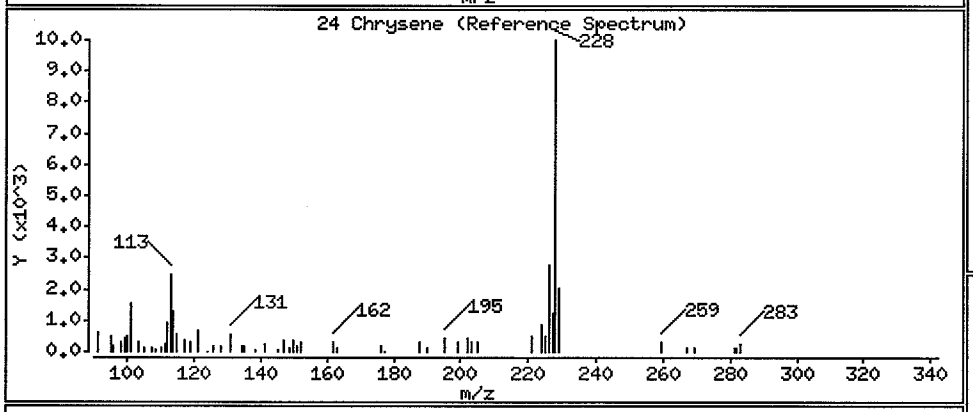
Column diameter: 0.25

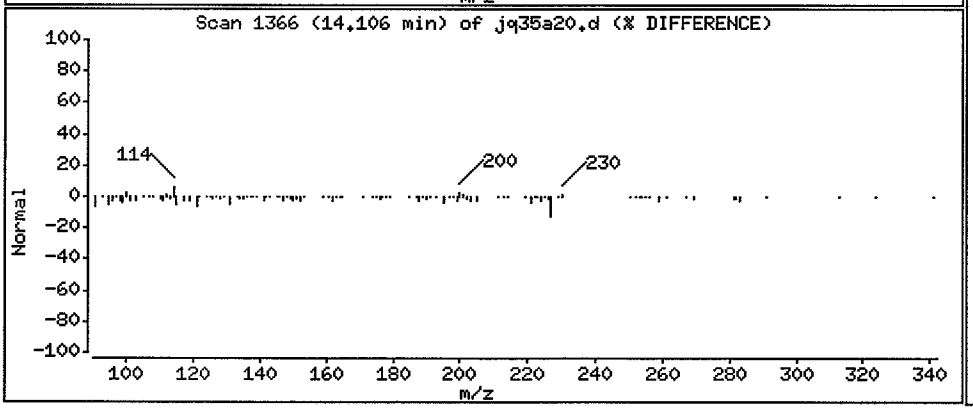
24 Chrysene

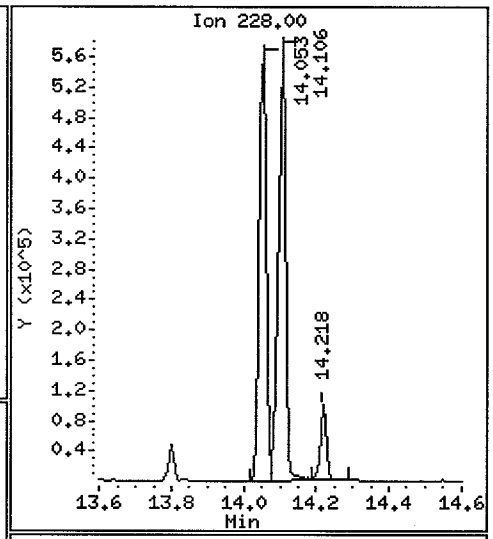
Concentration: 6654 ug/kg

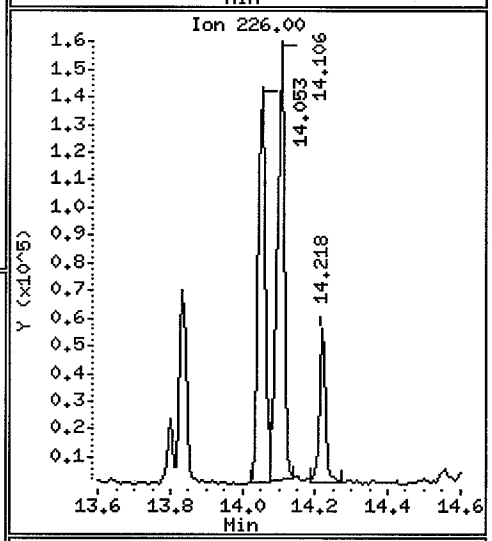


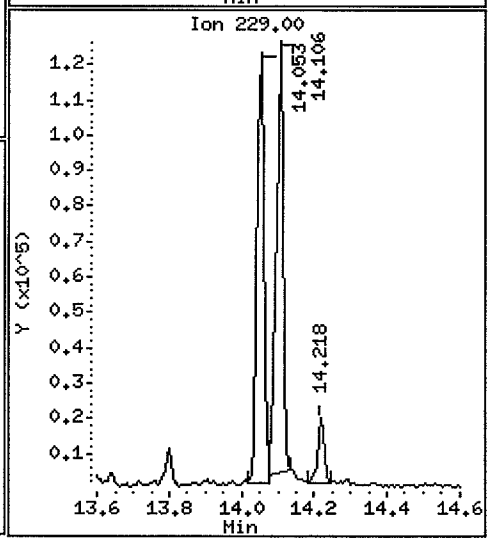












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

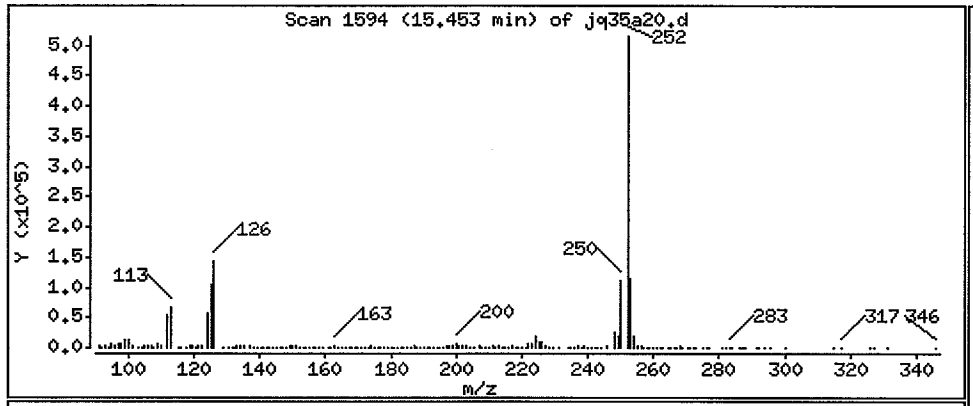
Operator: VTS

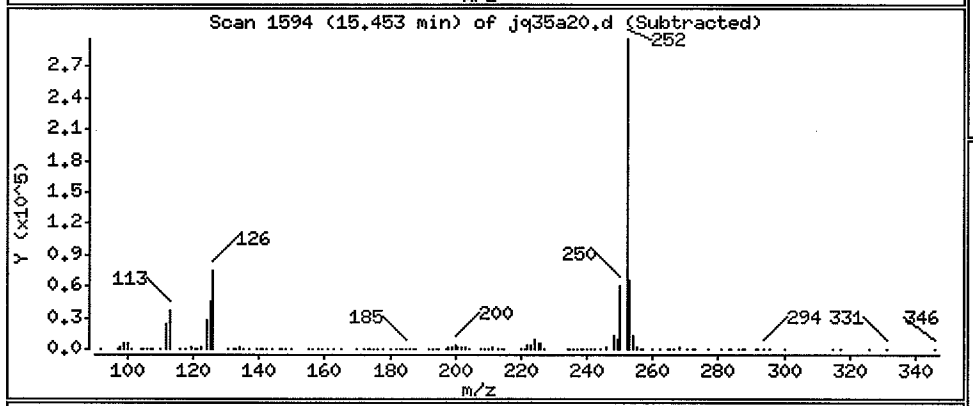
Column phase: ZB-5

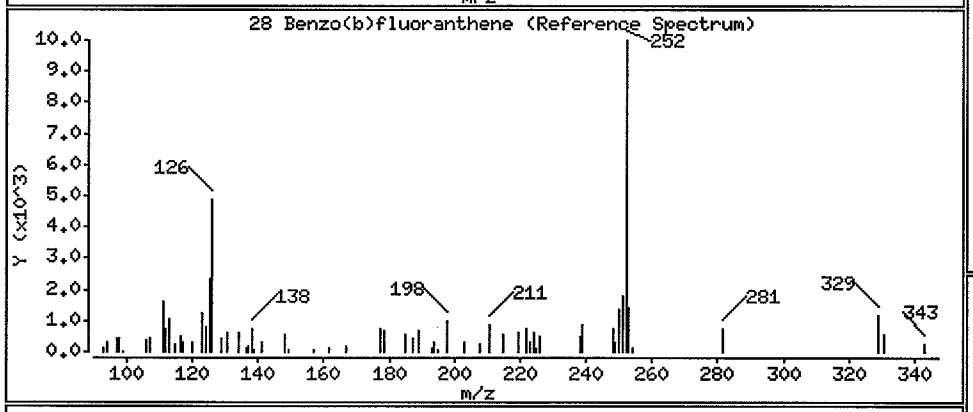
Column diameter: 0.25

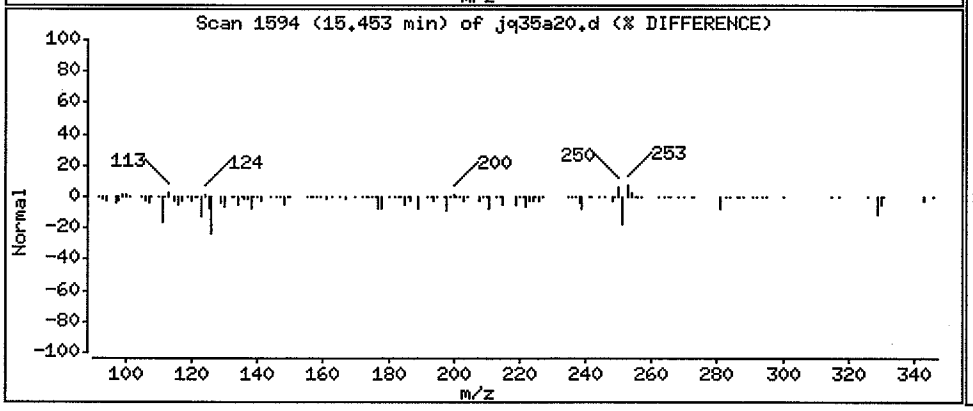
28 Benzo(b)fluoranthene

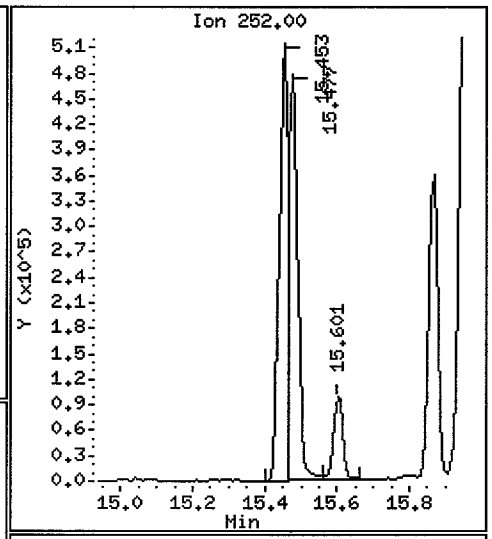
Concentration: 7136 ug/kg

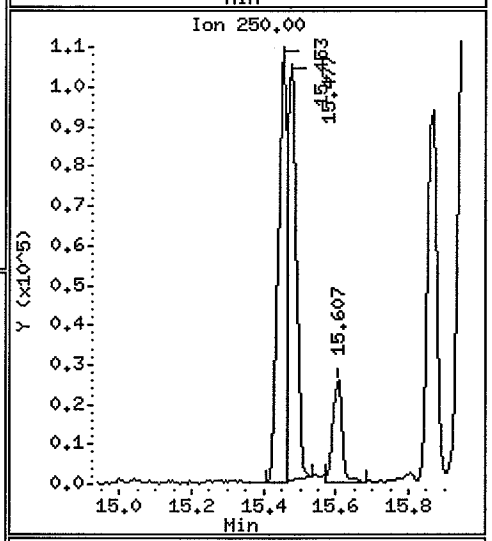


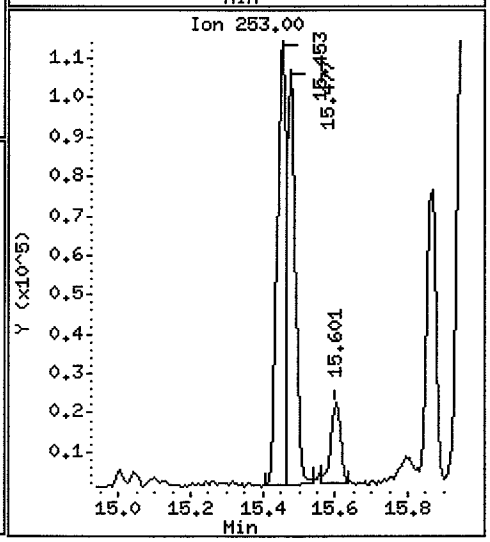












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

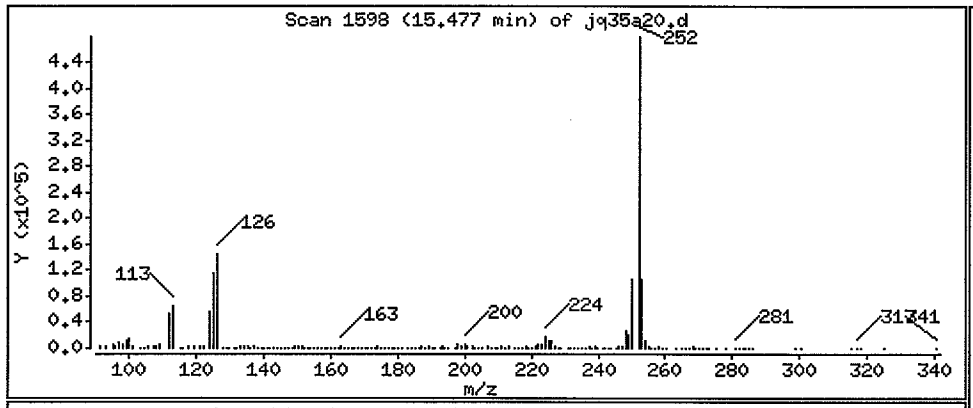
Operator: VTS

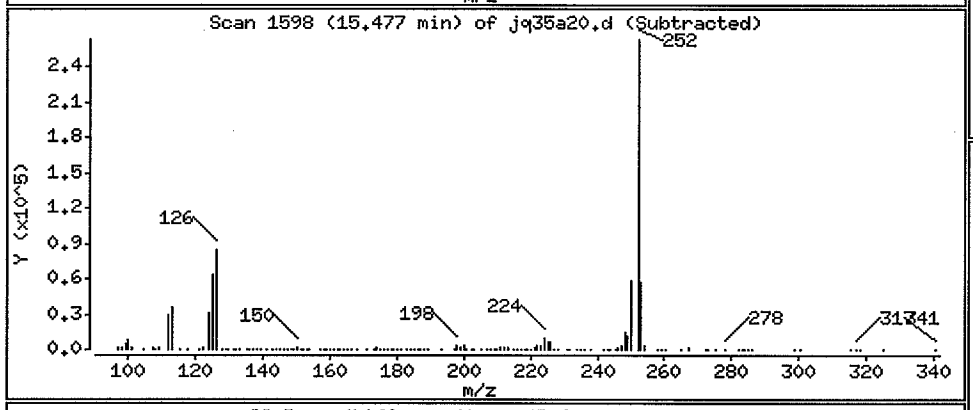
Column phase: ZB-5

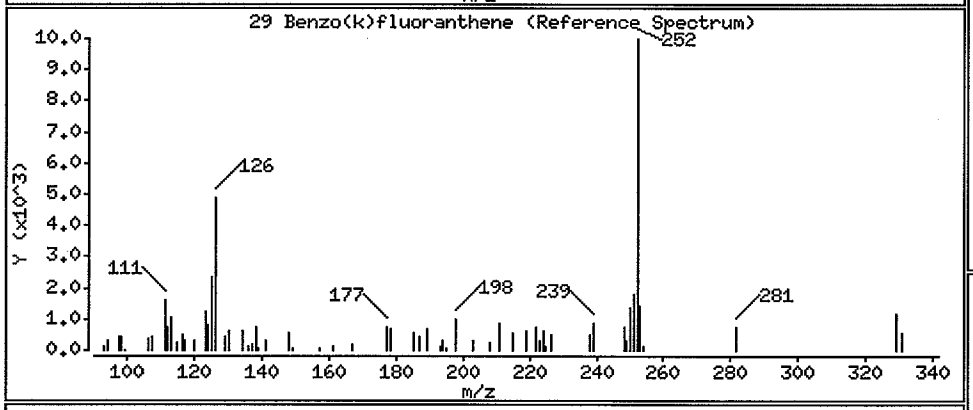
Column diameter: 0.25

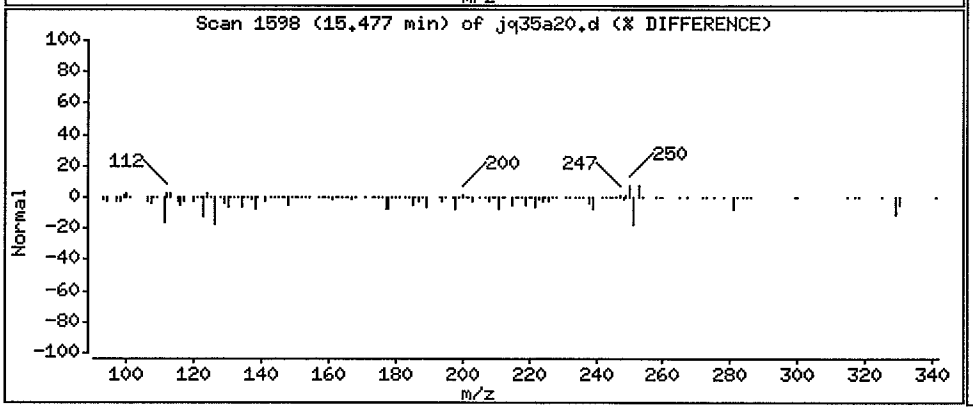
29 Benzo(k)fluoranthene

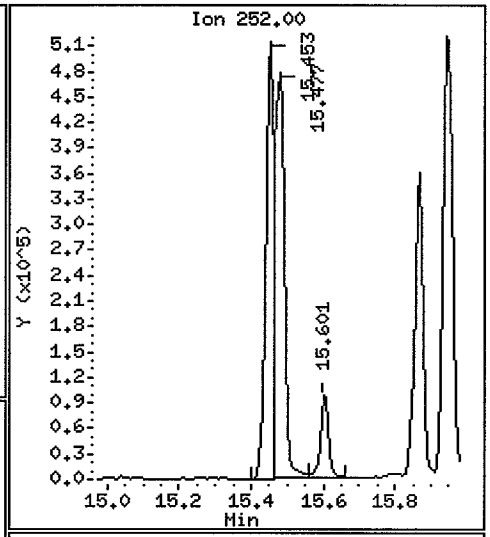
Concentration: 6379 ug/kg

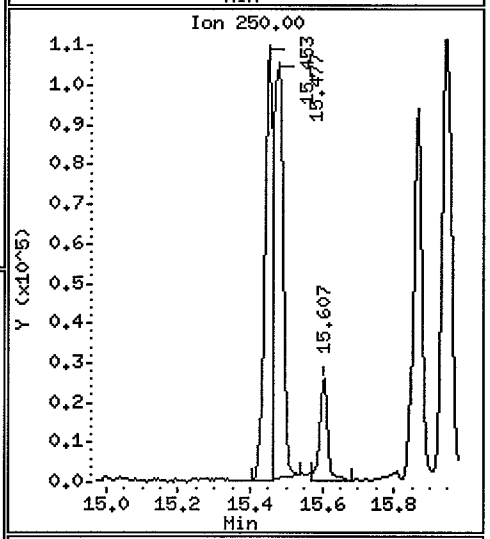


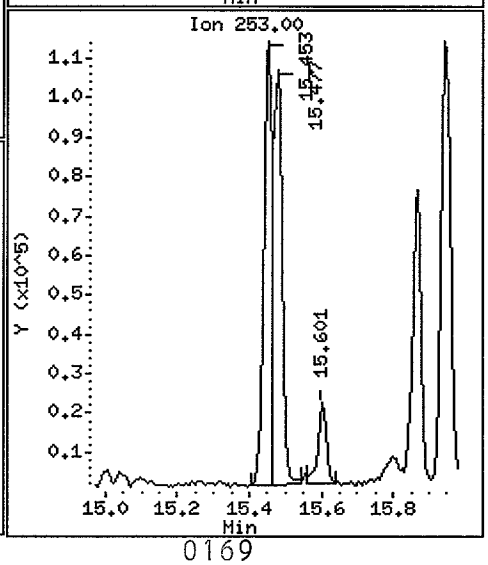












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

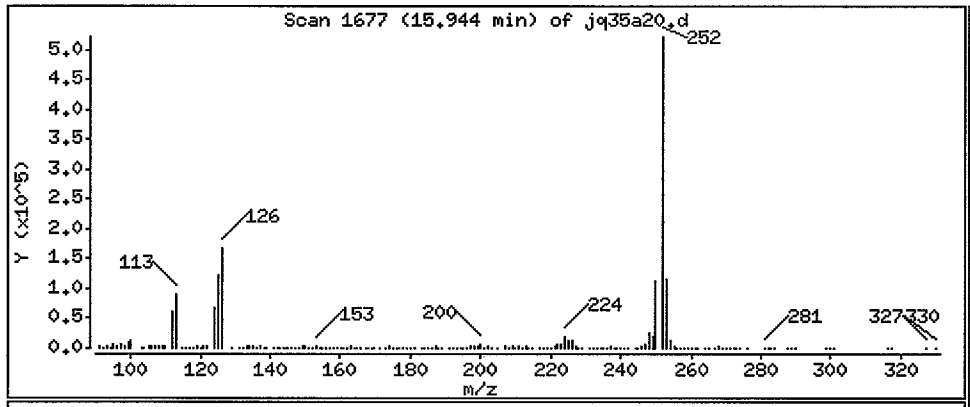
Operator: VTS

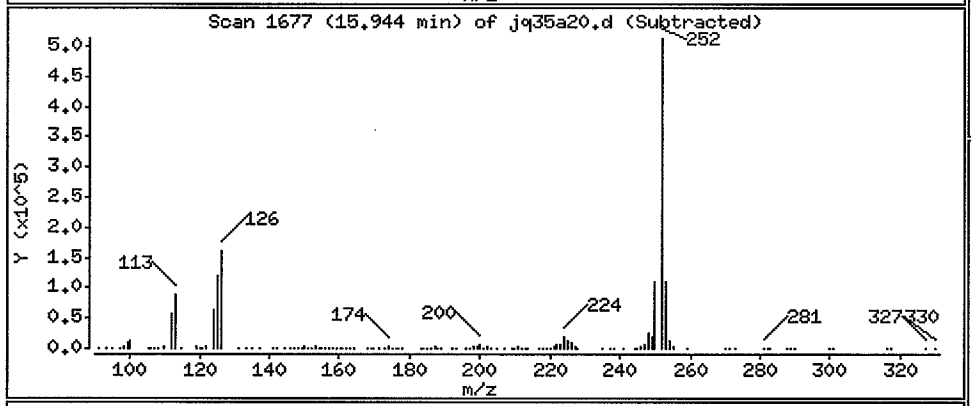
Column phase: ZB-5

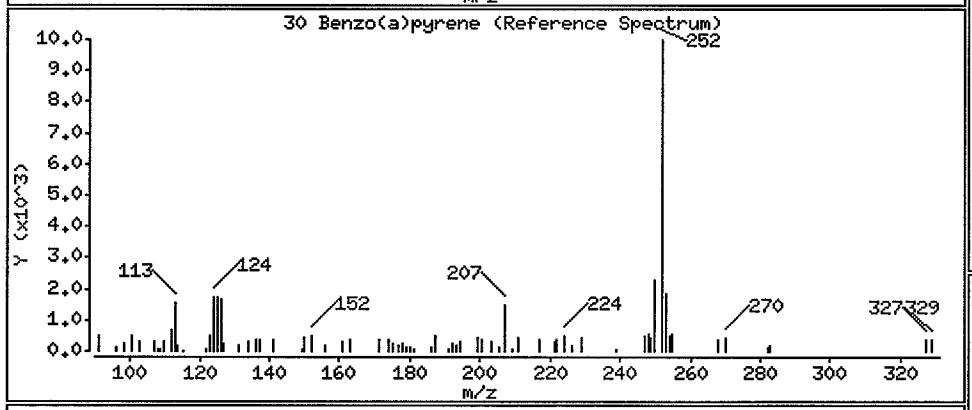
Column diameter: 0.25

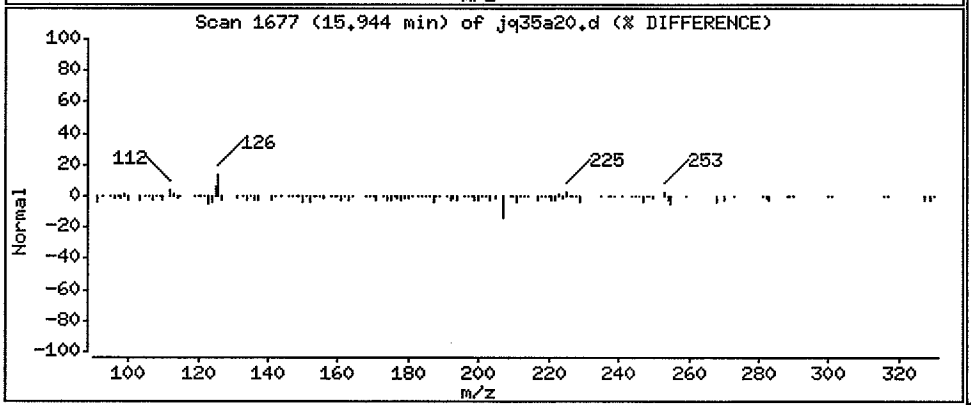
30 Benzo(a)pyrene

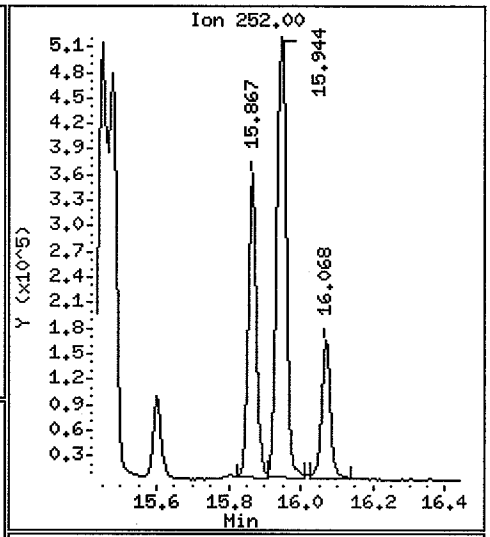
Concentration: 7614 ug/kg

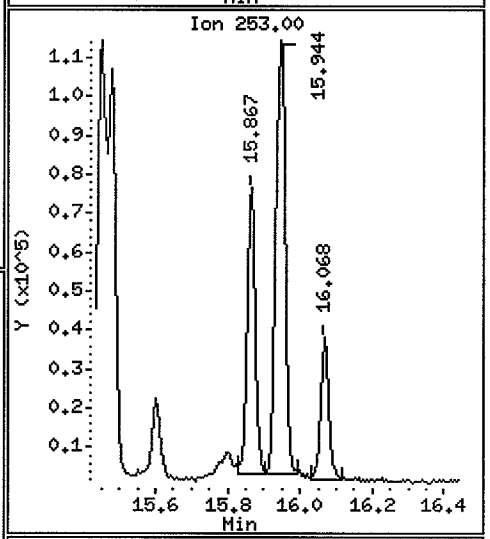


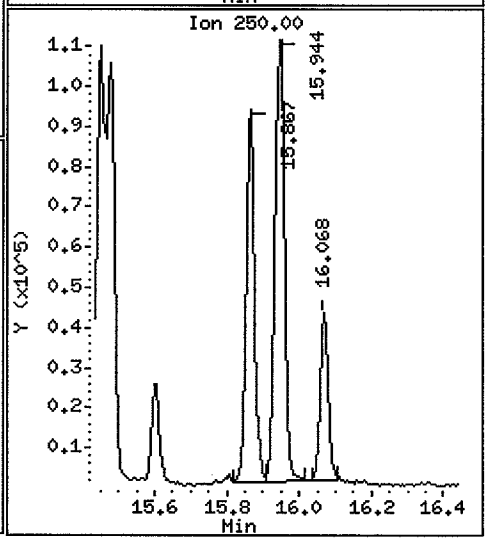












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

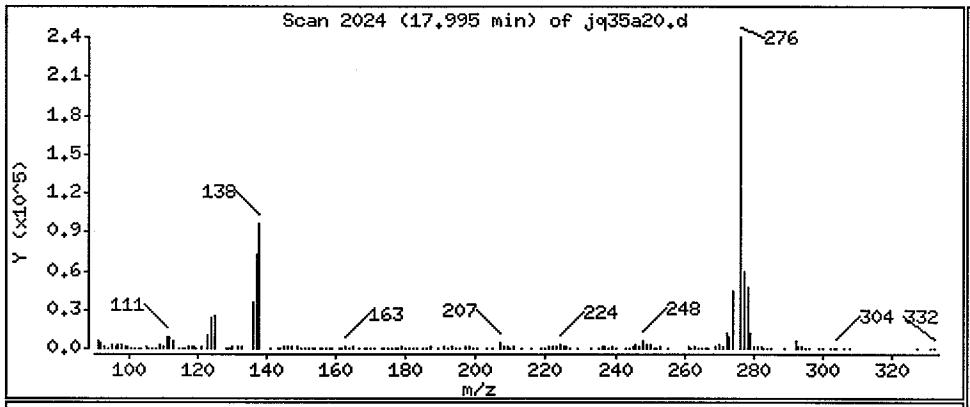
Operator: VTS

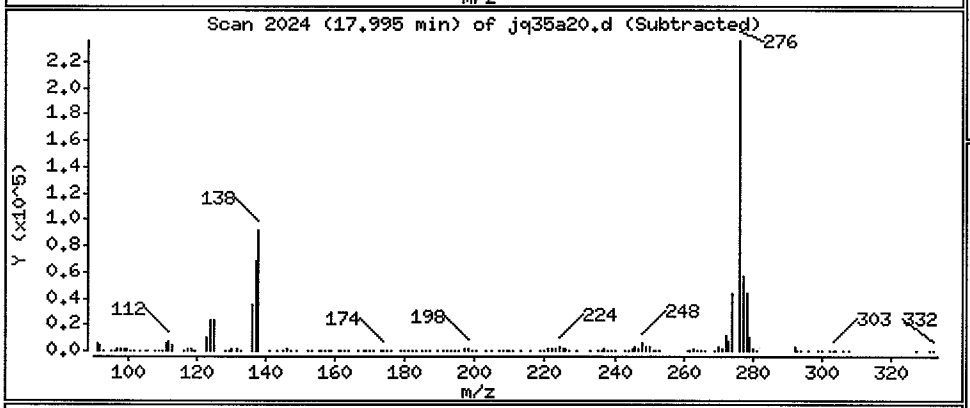
Column phase: ZB-5

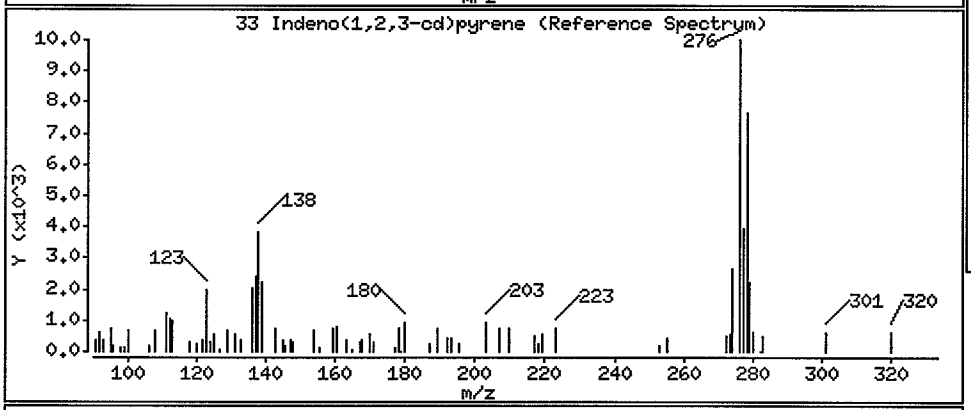
Column diameter: 0.25

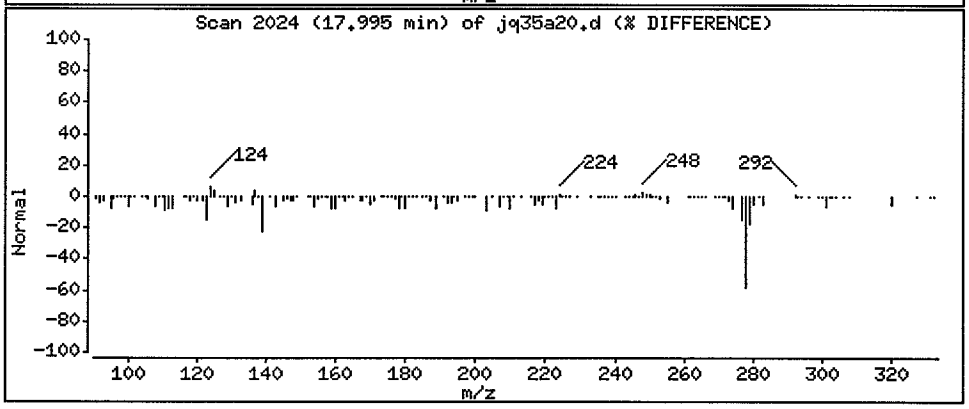
33 Indeno(1,2,3-cd)pyrene

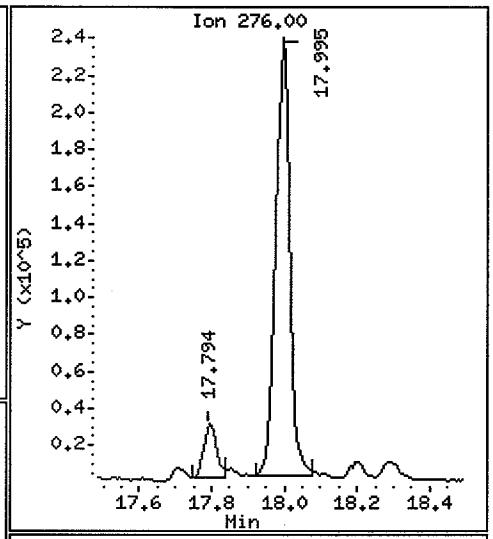
Concentration: 4652 ug/kg

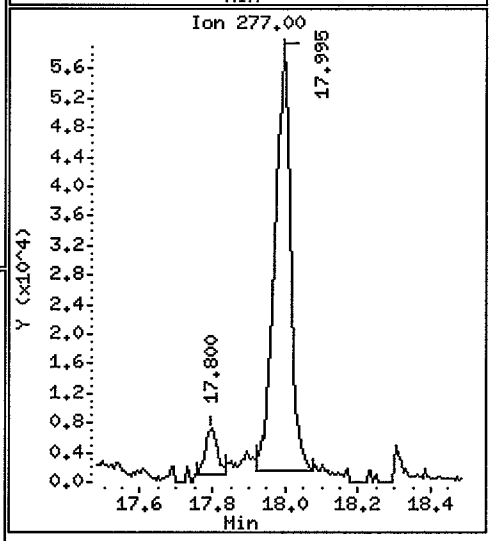












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

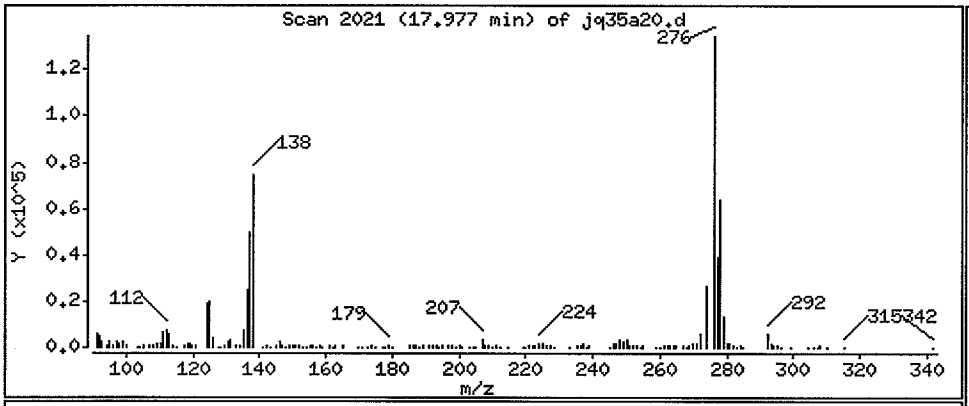
Operator: VTS

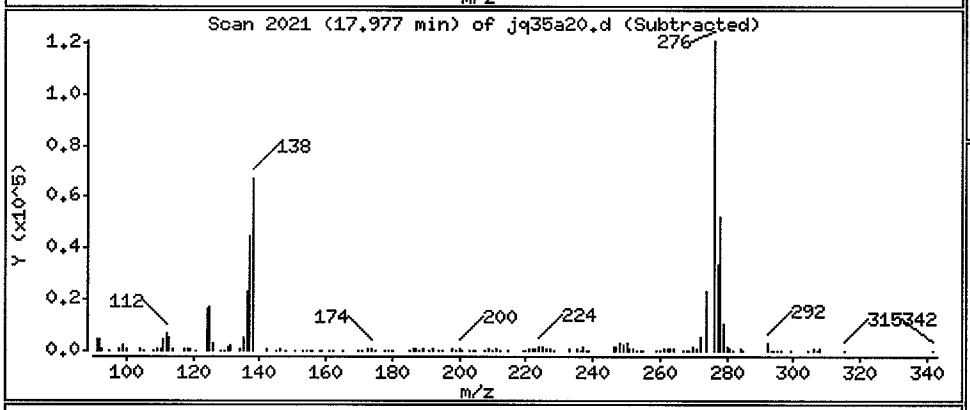
Column phase: ZB-5

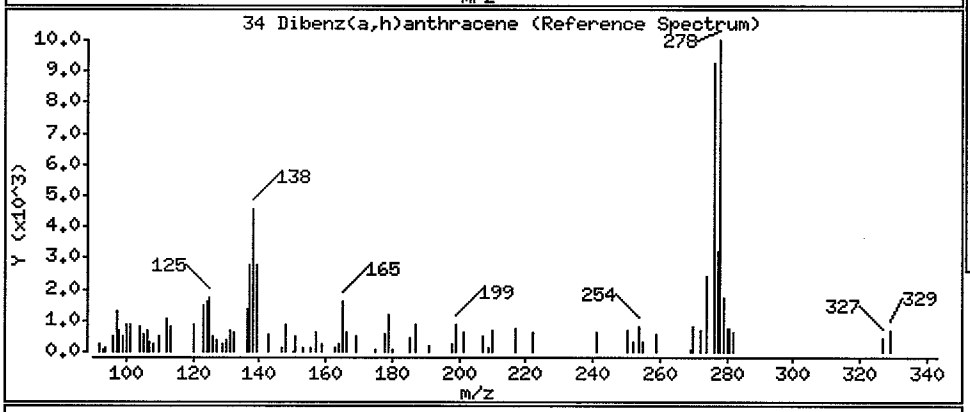
Column diameter: 0.25

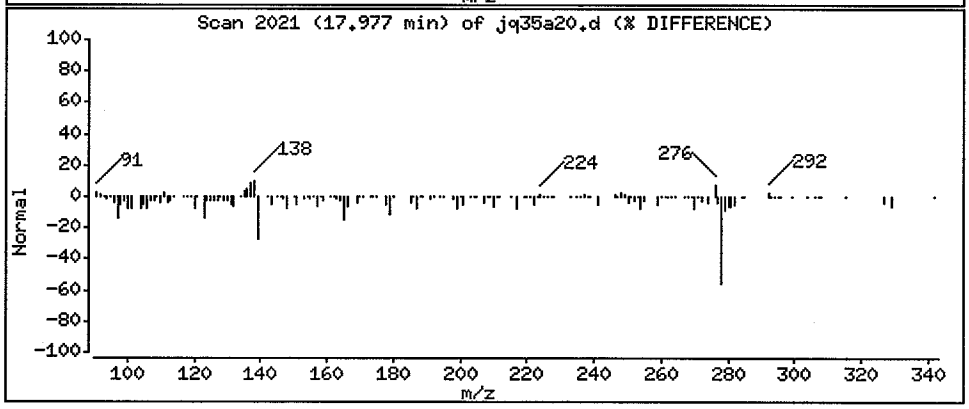
34 Dibenz(a,h)anthracene

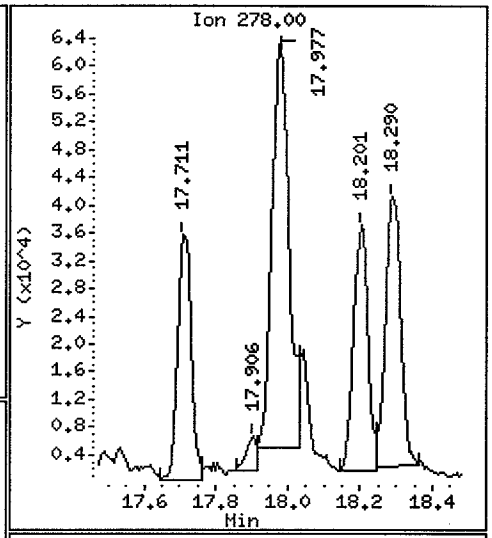
Concentration: 1675 ug/kg

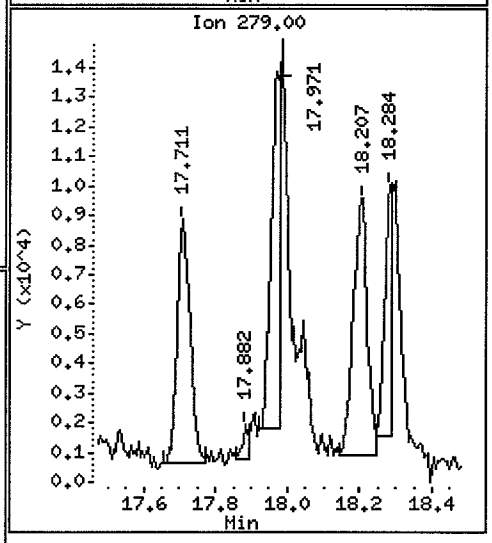












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

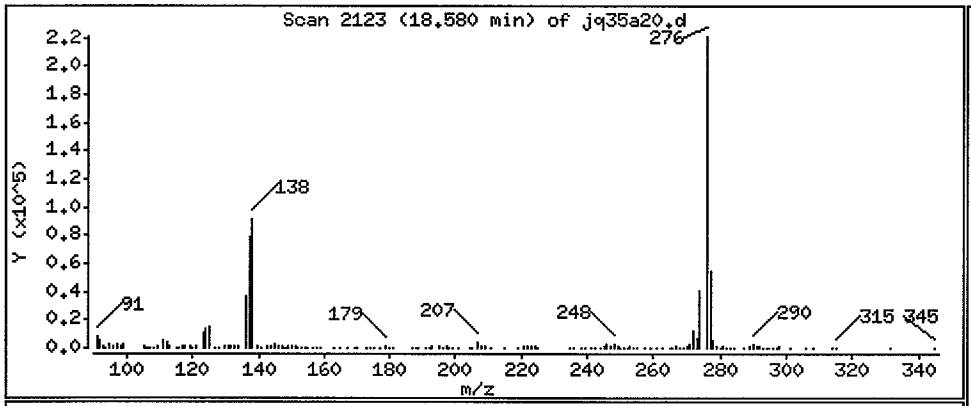
Operator: VTS

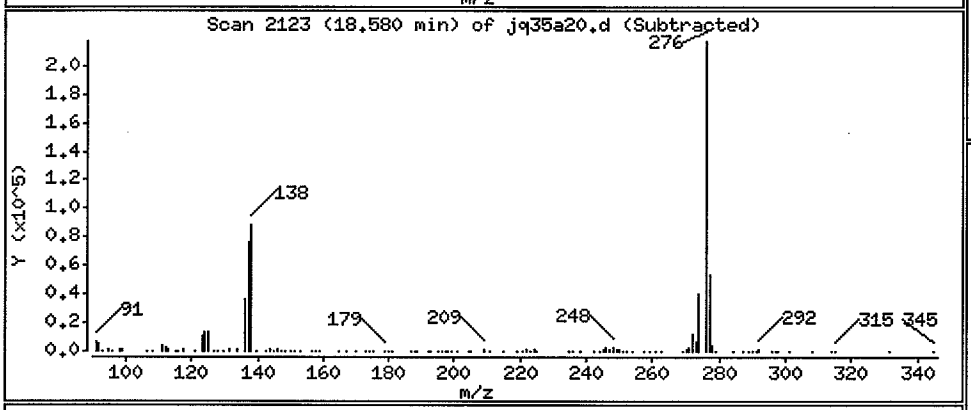
Column phase: ZB-5

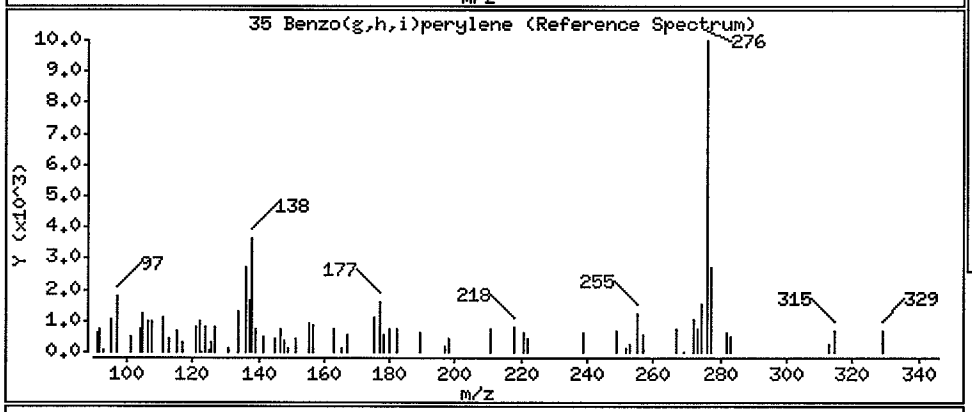
Column diameter: 0.25

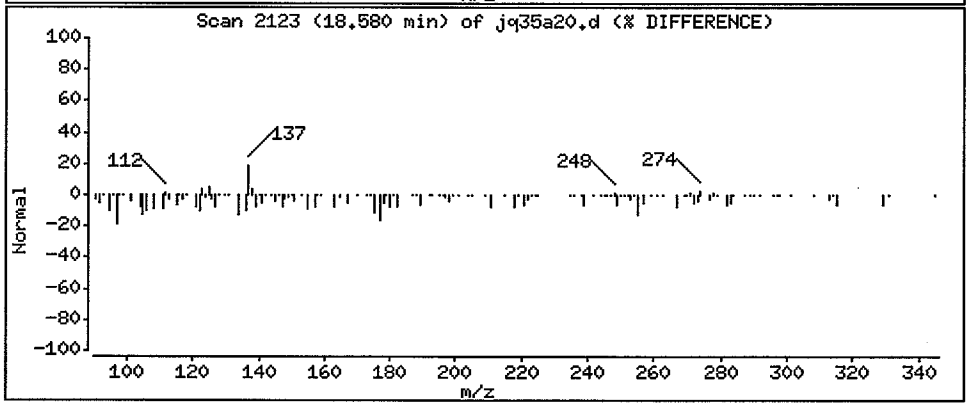
35 Benzo(g,h,i)perylene

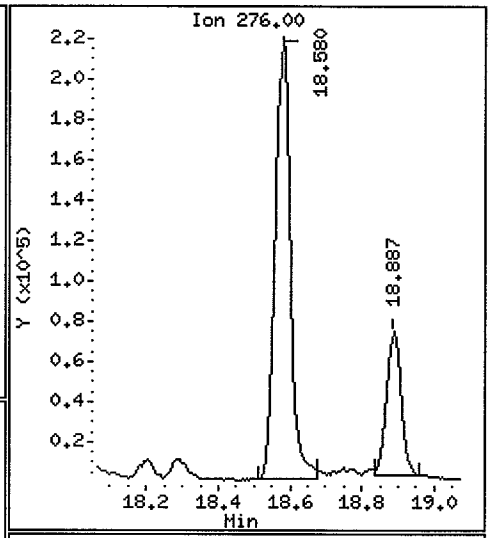
Concentration: 5606 ug/kg

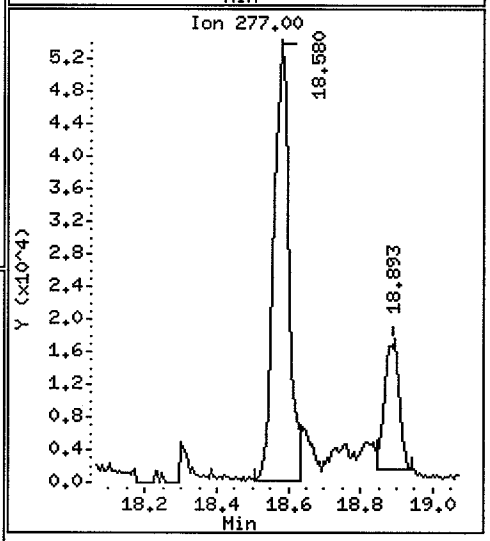












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

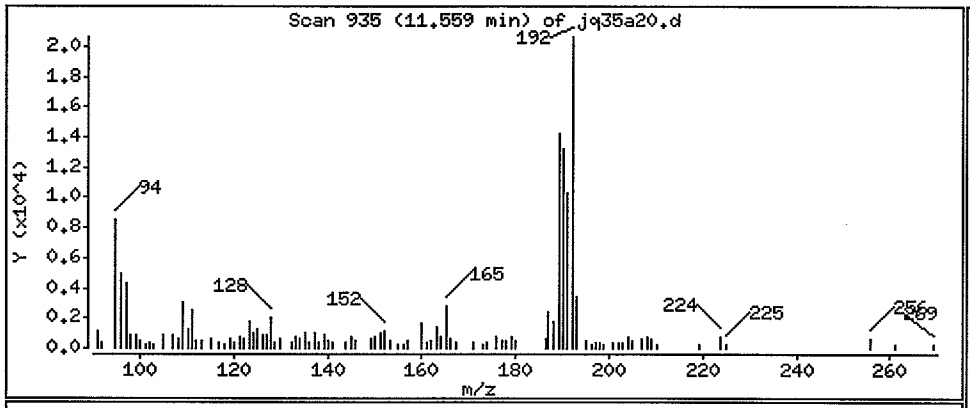
Operator: VTS

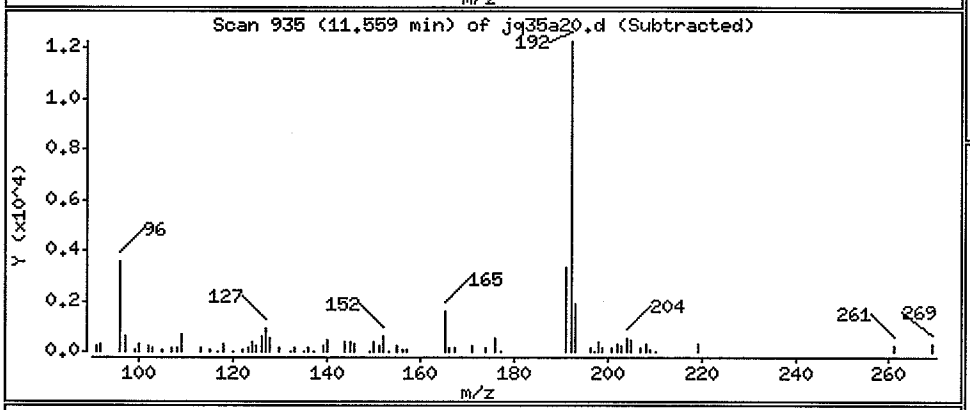
Column phase: ZB-5

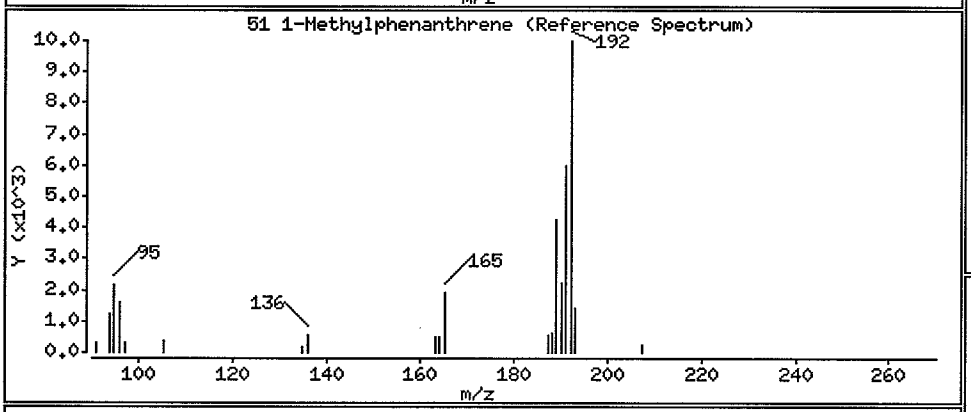
Column diameter: 0.25

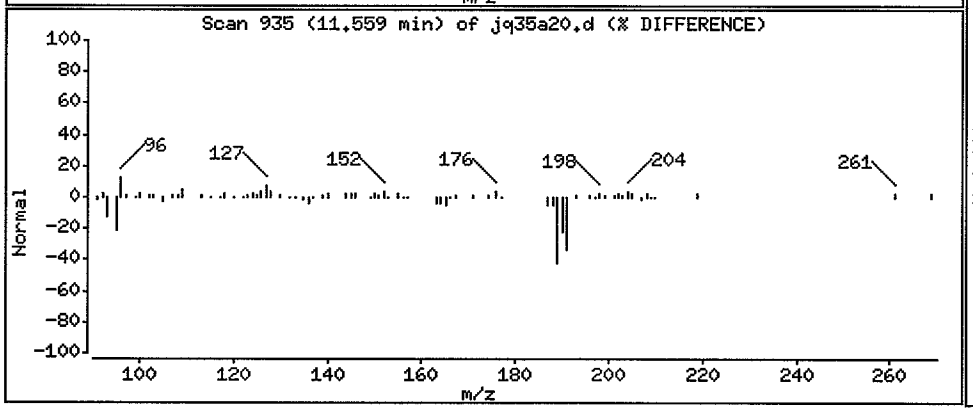
51 1-Methylphenanthrene

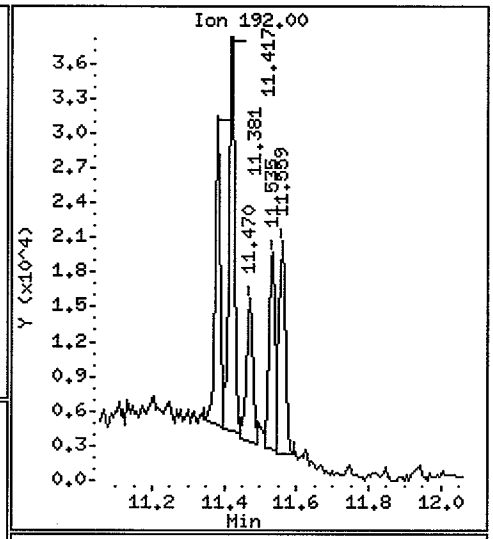
Concentration: 257.6 ug/kg

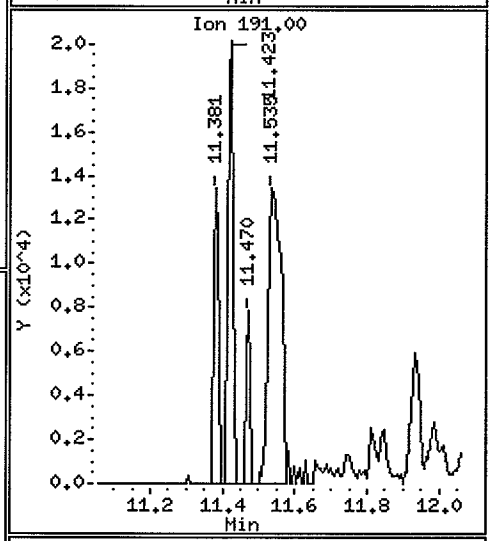


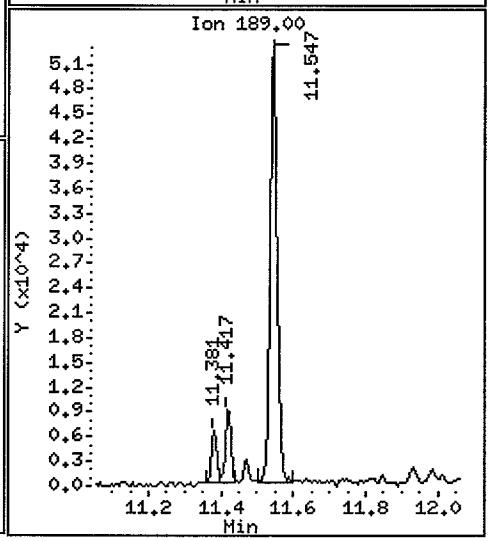












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

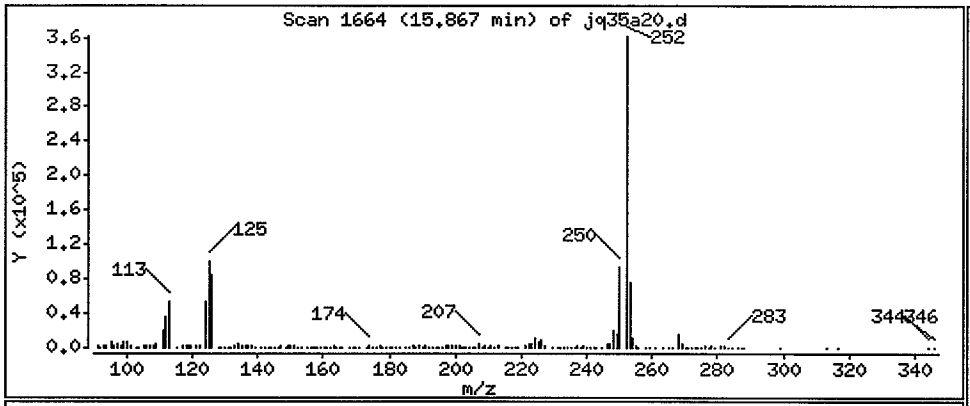
Operator: VTS

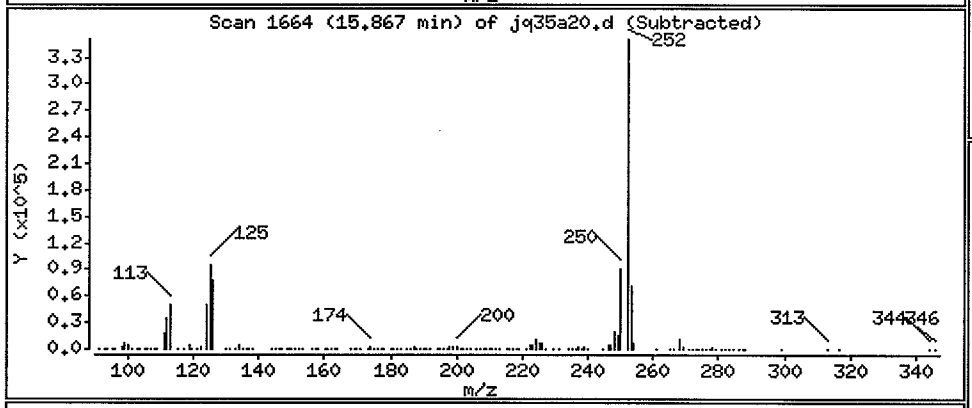
Column phase: ZB-5

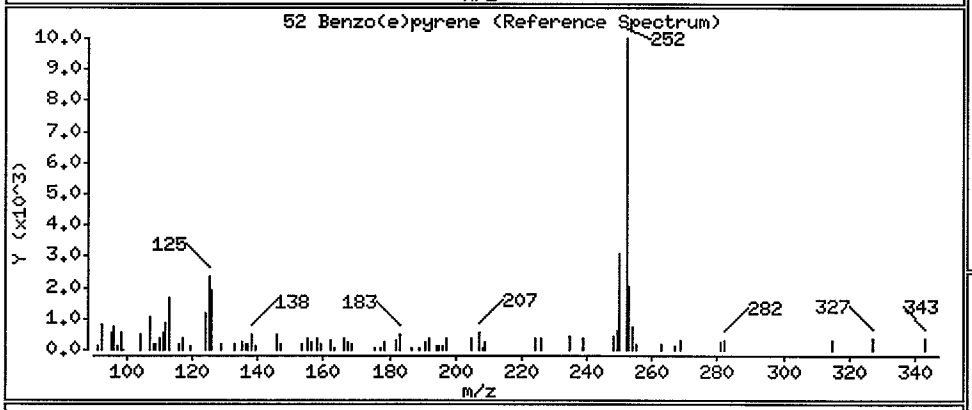
Column diameter: 0.25

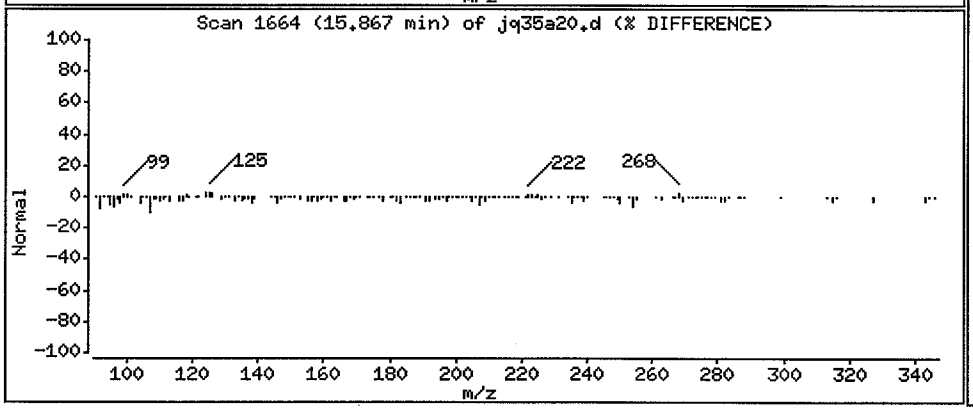
52 Benzo(e)pyrene

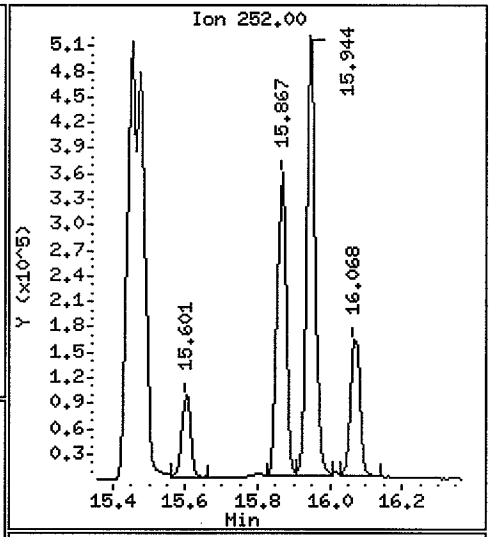
Concentration: 4475 ug/kg

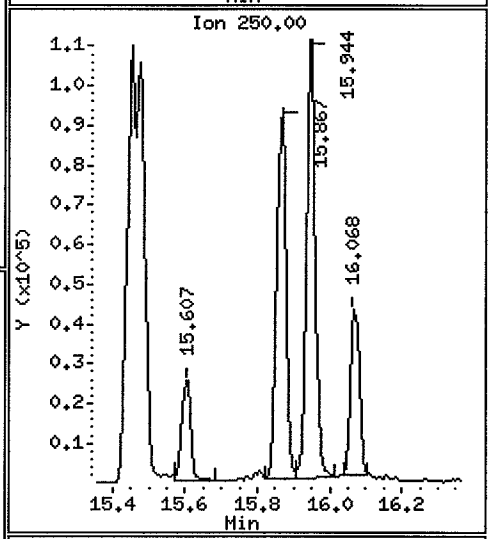


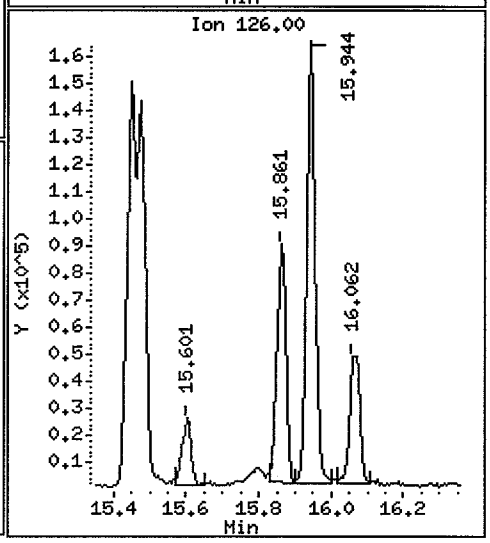












Data File: /chem3/nt1.i/20060808.b/jq35a20.d

Date : 08-AUG-2006 10:17

Client ID: T4-S3-02-C

Instrument: nt1.i

Sample Info: JQ35A,20

Volume Injected (uL): 1.0

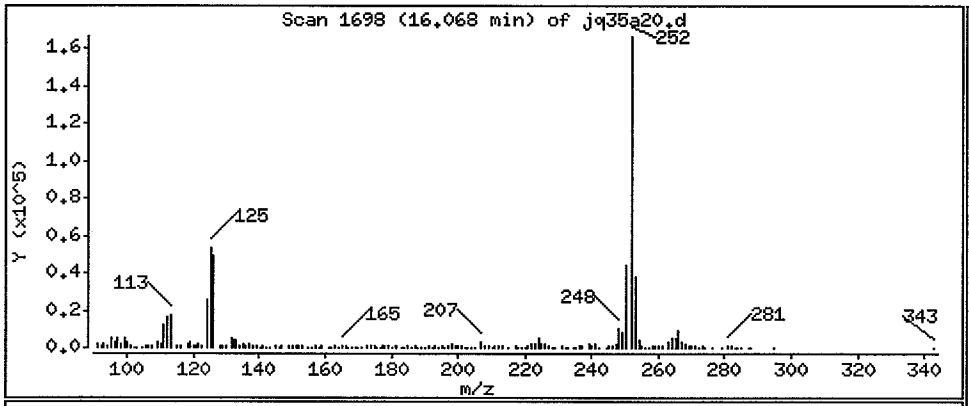
Operator: VTS

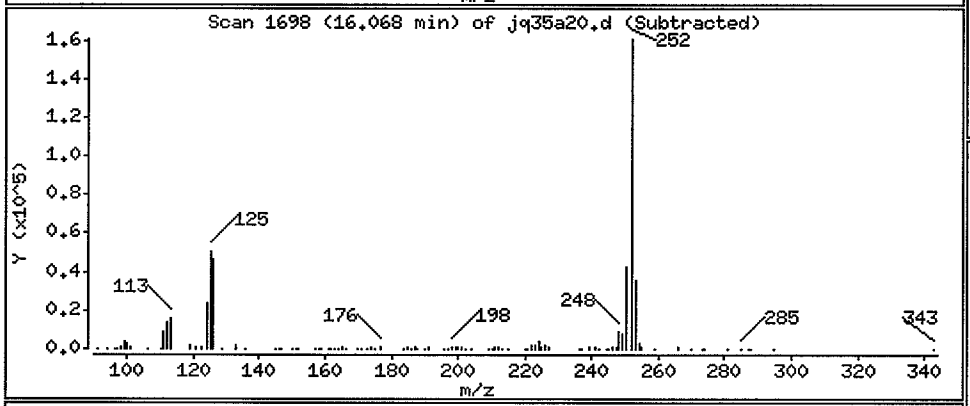
Column phase: ZB-5

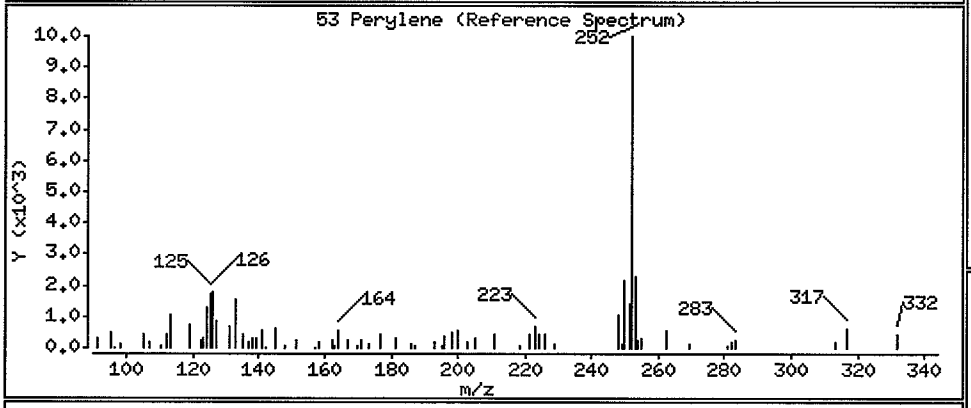
Column diameter: 0.25

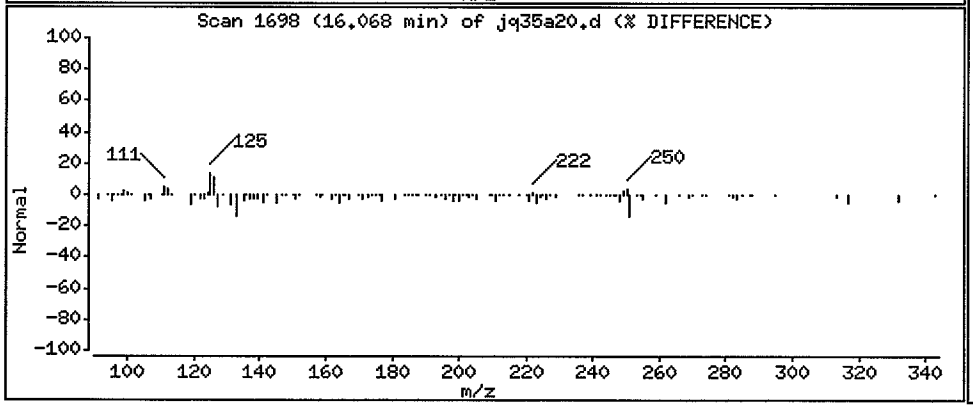
53 Perylene

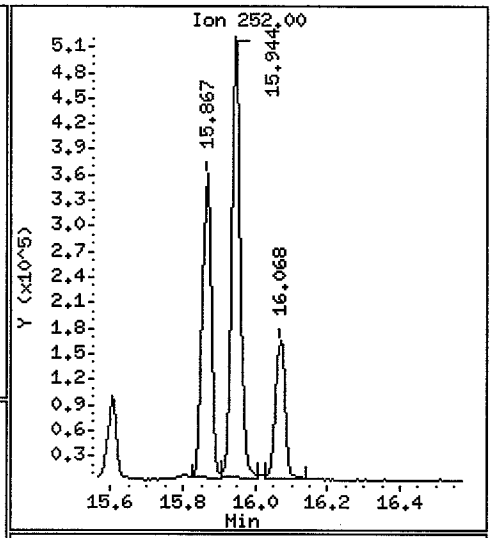
Concentration: 2320 ug/kg

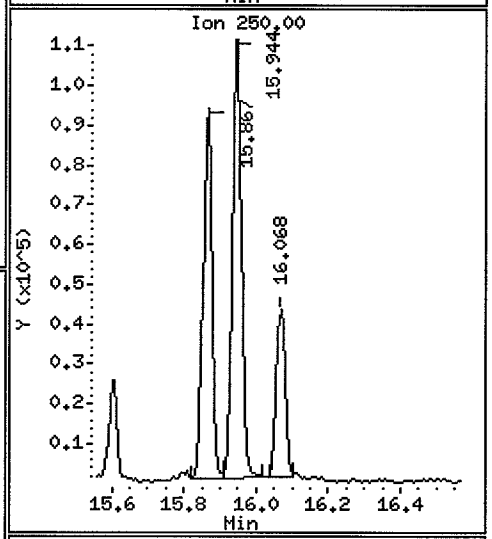


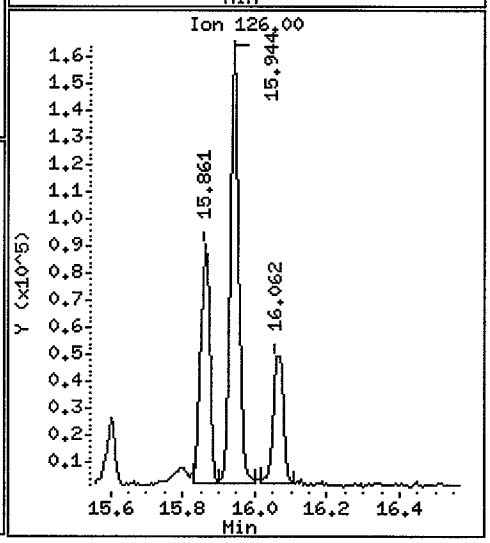






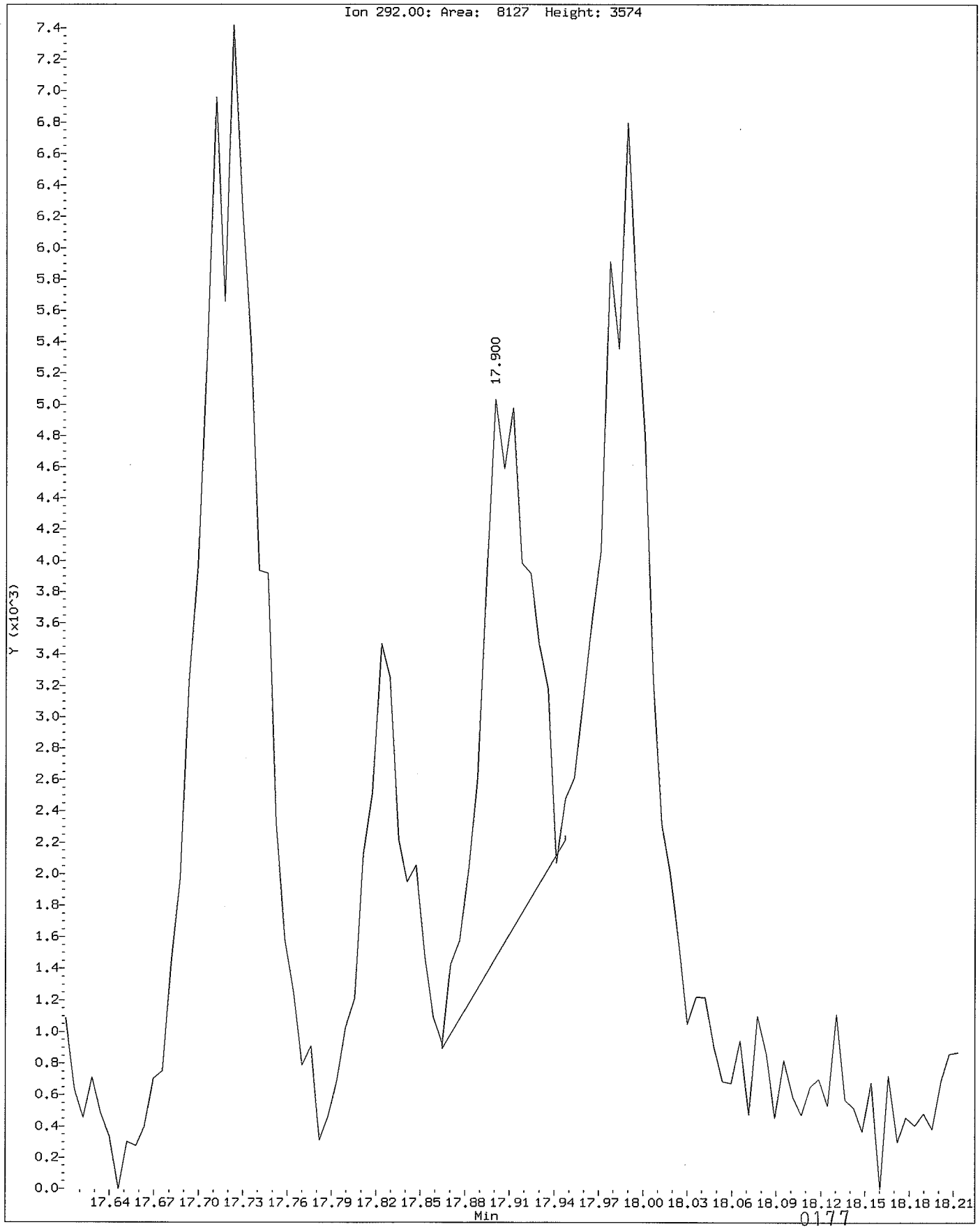






Data File: /chem3/nt1.i/20060808.b/jq35a20.d
Injection Date: 08-AUG-2006 10:17
Instrument: nt1.i
Client Sample ID: T4-S3-02-C

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-S3-02-D
SAMPLE

Lab Sample ID: JQ35B
LIMS ID: 06-12957
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 12:55
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 2.32 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 42.0%
pH: 6.3

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**220**	**410**
91-57-6	**2-Methylnaphthalene**	**220**	**220**
90-12-0	1-Methylnaphthalene	220	< 220 U
208-96-8	Acenaphthylene	220	< 220 U
83-32-9	**Acenaphthene**	**220**	**2,400**
86-73-7	**Fluorene**	**220**	**1,100**
85-01-8	**Phenanthrene**	**220**	**9,000**
120-12-7	**Anthracene**	**220**	**1,900**
206-44-0	**Fluoranthene**	**220**	**20,000**
129-00-0	**Pyrene**	**220**	**18,000**
56-55-3	**Benzo(a)anthracene**	**220**	**13,000**
218-01-9	**Chrysene**	**220**	**15,000**
205-99-2	**Benzo(b)fluoranthene**	**220**	**16,000**
207-08-9	**Benzo(k)fluoranthene**	**220**	**13,000**
50-32-8	**Benzo(a)pyrene**	**220**	**17,000**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**220**	**10,000**
53-70-3	**Dibenz(a,h)anthracene**	**220**	**3,800**
191-24-2	**Benzo(g,h,i)perylene**	**220**	**12,000**
198-55-0	**Perylene**	**220**	**4,700**
92-52-4	Biphenyl	220	< 220 U
581-42-0	2,6-Dimethylnaphthalene	220	< 220 U
832-69-9	**1-Methylphenanthrene**	**220**	**580**
192-97-2	**Benzo(e)pyrene**	**220**	**9,800**
2245-38-7	2,3,5-Trimethylnaphthalene	220	< 220 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	68.3%
d14-Dibenzo(a,h)anthracen	85.3%

YZ 8/9/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq35b10.d
Lab Smp Id: JQ35B — Client Smp ID: T4-S3-02-D
Inj Date : 07-AUG-2006 12:55
Operator : VTS — Inst ID: nt1.i
Smp Info : JQ35B,10
Misc Info : 06-12957
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: 5
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	4.00000	Weight of sample extracted (g)
M	42.00000	% 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)	252321	2.00000	
2 Naphthalene	128	6.914	6.915	(1.003)	24203	0.19231	414.5
$ 3 2-Methylnaphthalene-d10	152	7.646	7.648	(1.110)	13334	0.20517	442.2
4 2-Methylnaphthalene	142	7.688	7.683	(1.116)	7446	0.09990 J	215.3
5 1-Methylnaphthalene	142	7.812	7.813	(1.134)	4201	0.05373 J	115.8
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.953	8.954	(1.000)	137813	2.00000	
9 Acenaphthene	153	8.994	8.989	(1.005)	76098	1.12457	2424
10 Dibenzofuran	168	9.183	9.178	(1.026)	18959	0.19021	409.9
11 Fluorene	166	9.603	9.604	(1.073)	37746	0.48645	1048
* 15 Phenanthrene-d10	188	10.767	10.762	(1.000)	221695	2.00000	
16 Phenanthrene	178	10.797	10.792	(1.003)	478361	4.20380	9060
17 Anthracene	178	10.850	10.851	(1.008)	102642	0.90261	1945
19 Fluoranthene	202	12.292	12.287	(1.142)	1093766	9.42369	20310
20 Pyrene	202	12.581	12.577	(0.893)	1067666	8.23419	17750

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
22 Benzo(a)anthracene	228	14.059	14.054	(0.998)	713118	5.86461	12640
* 23 Chrysene-d12	240	14.083	14.078	(1.000)	201926	2.00000	
24 Chrysene	228	14.112	14.107	(1.002)	788956	7.03448	15160
28 Benzo(b)fluoranthene	252	15.460	15.455	(0.964)	955788	7.64638	16480
29 Benzo(k)fluoranthene	252	15.489	15.484	(0.966)	810121	6.07923	13100
30 Benzo(a)pyrene	252	15.956	15.951	(0.995)	937356	7.69592	16590
* 31 Perylene-d12	264	16.039	16.034	(1.000)	221481	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	18.013	18.002	(1.123)	659046	4.70516	10140
$ 32 Dibenz(a,h)anthrancene-d14	292	17.930	17.931	(1.118)	21745	0.25655	552.9
34 Dibenz(a,h)anthracene	278	17.995	17.996	(1.122)	202768	1.77204	3819
35 Benzo(g,h,i)perylene	276	18.598	18.581	(1.160)	662662	5.69135	12270
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	11.566	(0.821)	22025	0.26647	574.3
52 Benzo(e)pyrene	252	15.879	15.869	(0.990)	610725	4.52987	9763
53 Perylene	252	16.080	16.075	(1.003)	276291	2.18260	4704

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq35b10.d
Lab Smp Id: JQ35B
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12957

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-02-D
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	252321	9.21
8 Acenaphthene-d10	129131	64566	258262	137813	6.72
15 Phenanthrene-d10	212850	106425	425700	221695	4.16
23 Chrysene-d12	190817	95408	381634	201926	5.82
31 Perylene-d12	197592	98796	395184	221481	12.09

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	-0.01
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	16.04	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

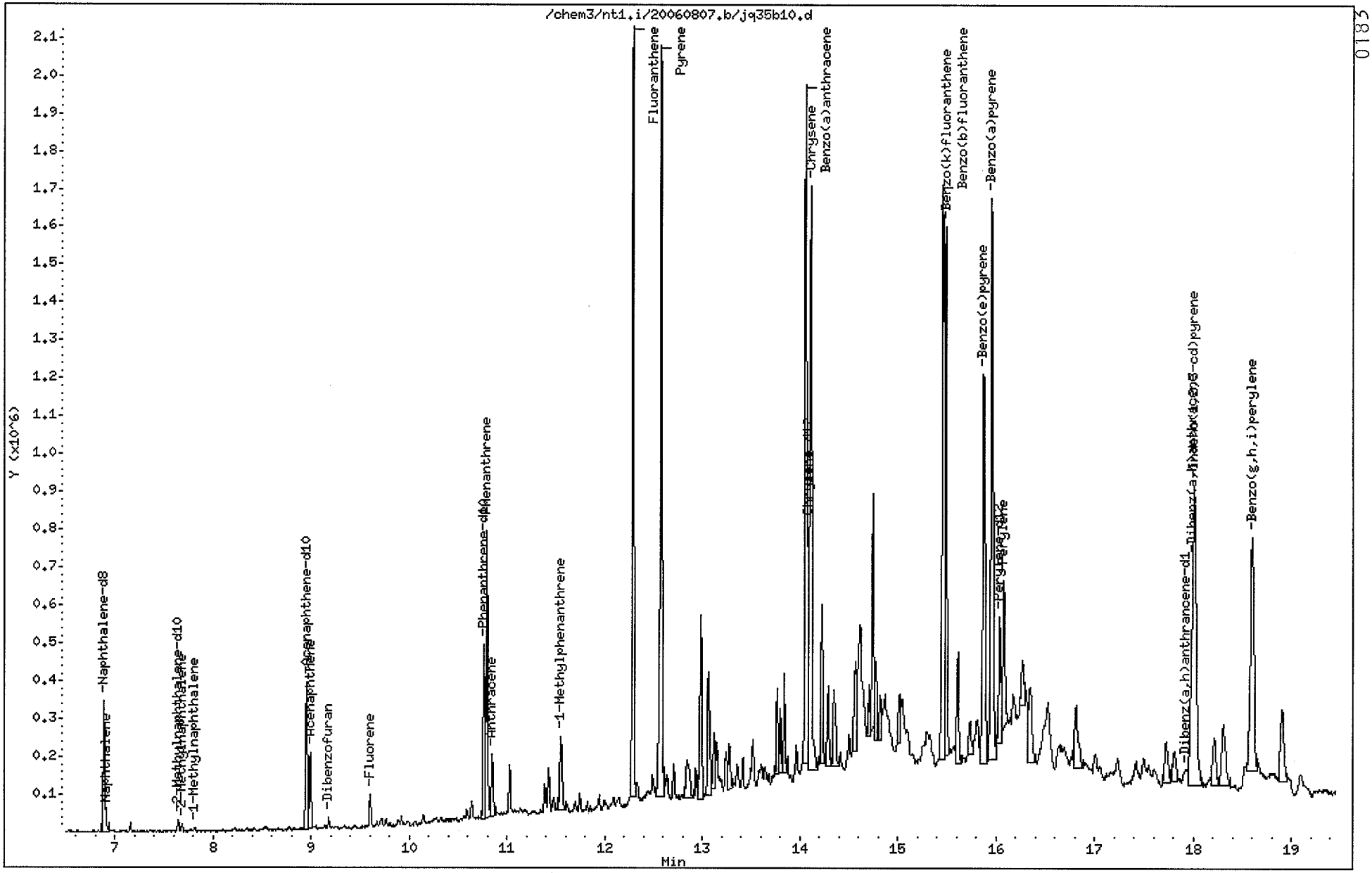
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35B
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12957

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-02-D
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	646.6	442.2	68.39	32-97
$ 32 Dibenz(a,h)anthran	646.6	552.9	85.52	21-105

Data File: /chem3/nt1.i/20060807.b/jq35b10.d
Date : 07-AUG-2006 12:55
Client ID: T4-S3-02-D
Sample Info: JQ35B,10
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0183

Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

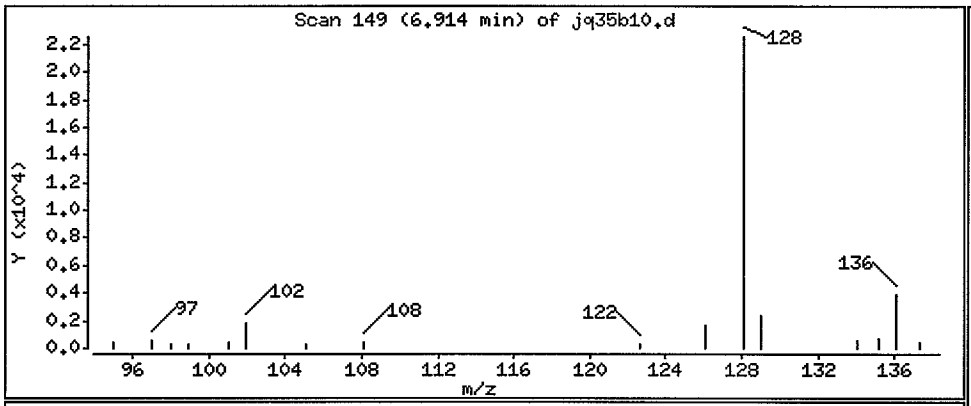
Operator: VTS

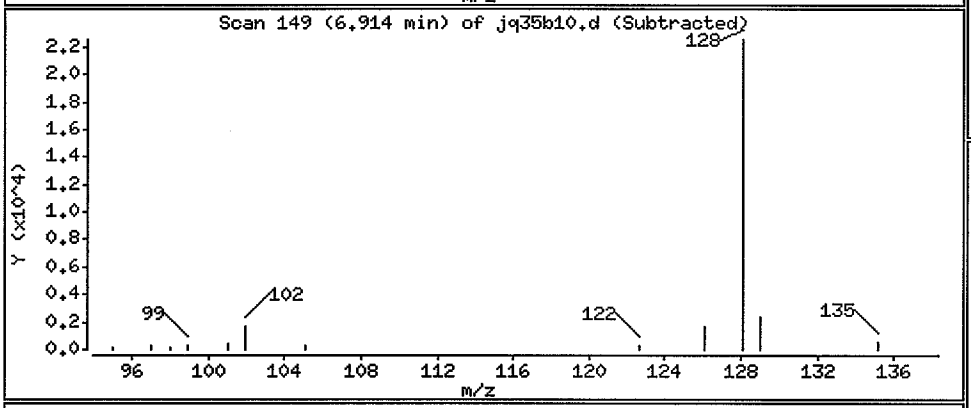
Column phase: ZB-5

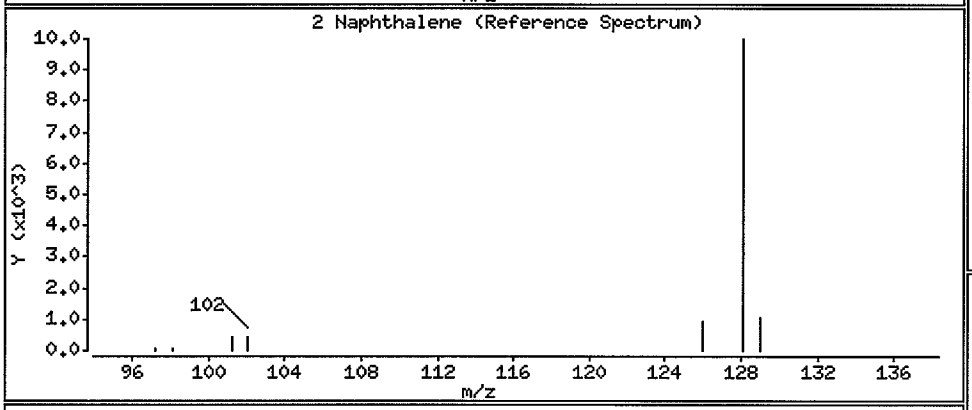
Column diameter: 0.25

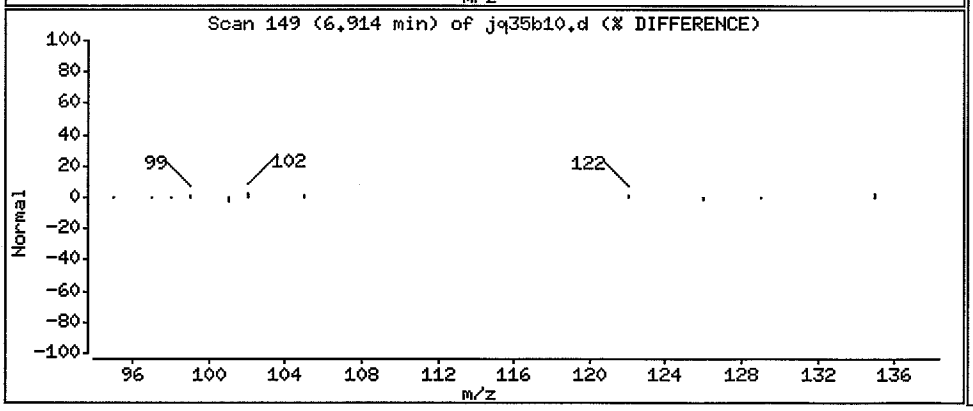
2 Naphthalene

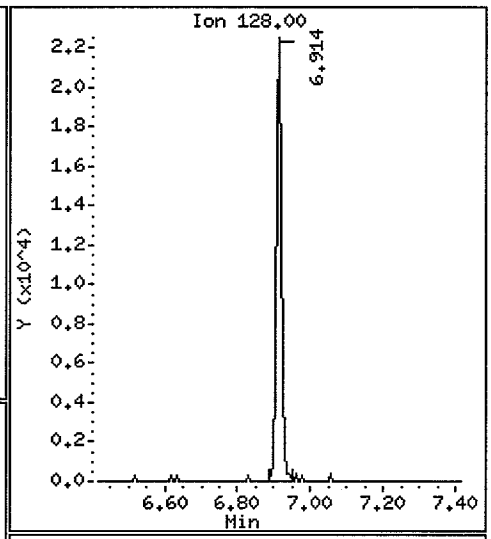
Concentration: 414.5 ug/kg

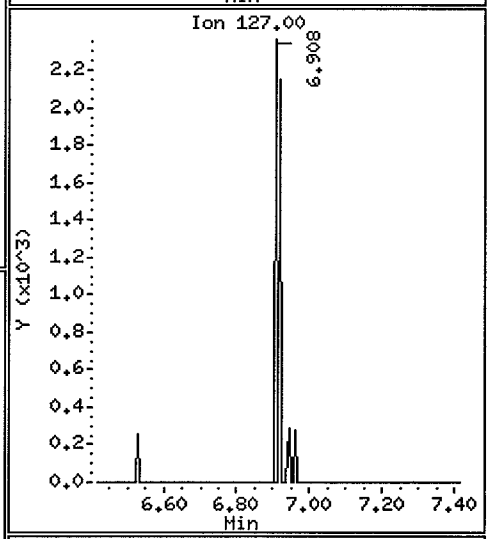


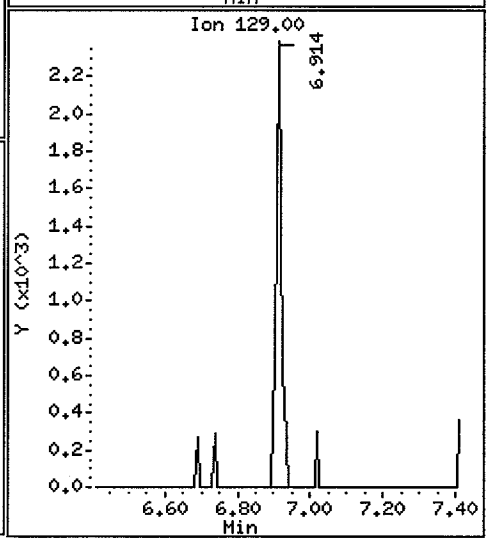












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

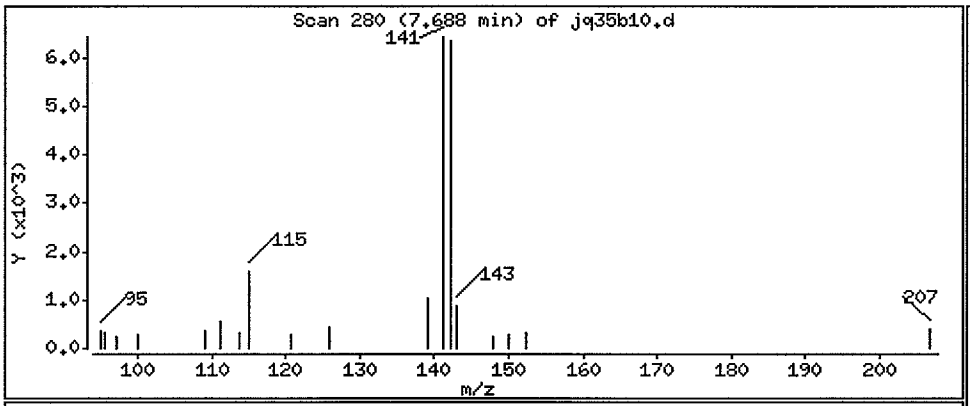
Operator: VTS

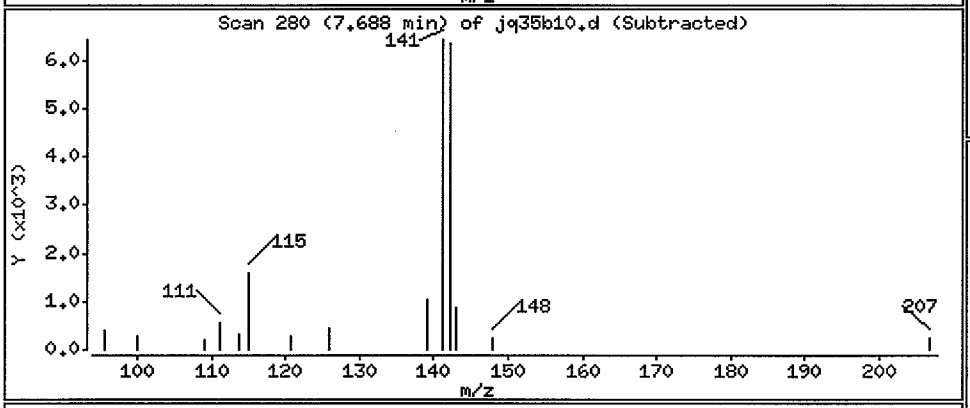
Column phase: ZB-5

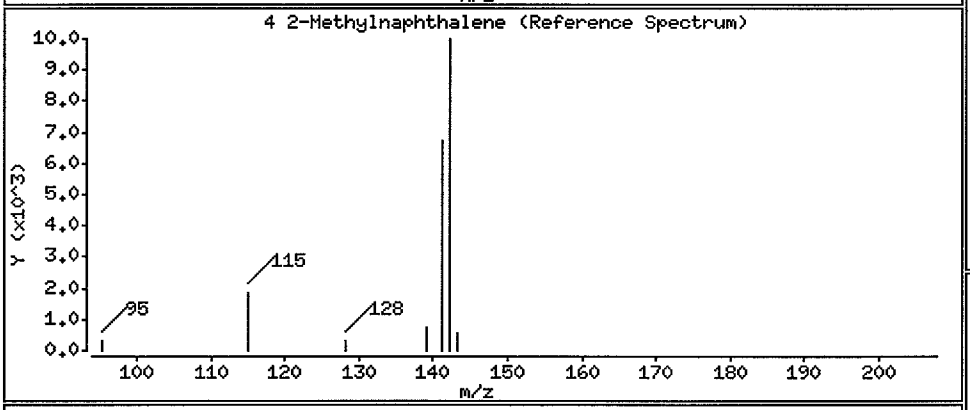
Column diameter: 0.25

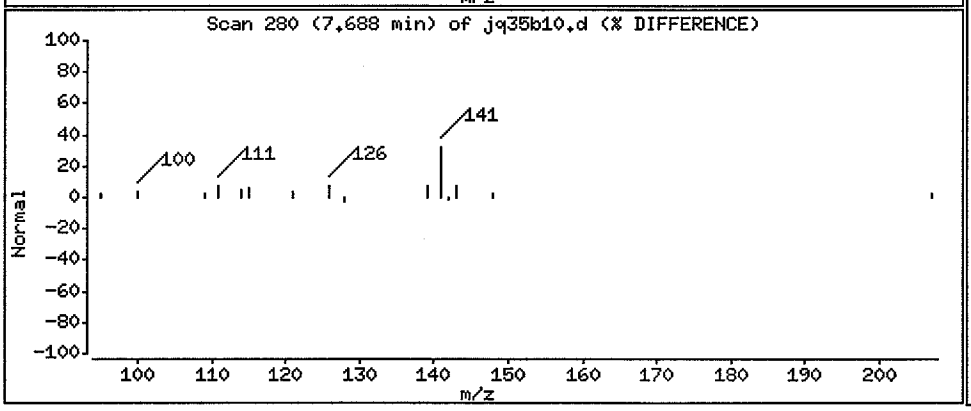
4 2-Methylnaphthalene

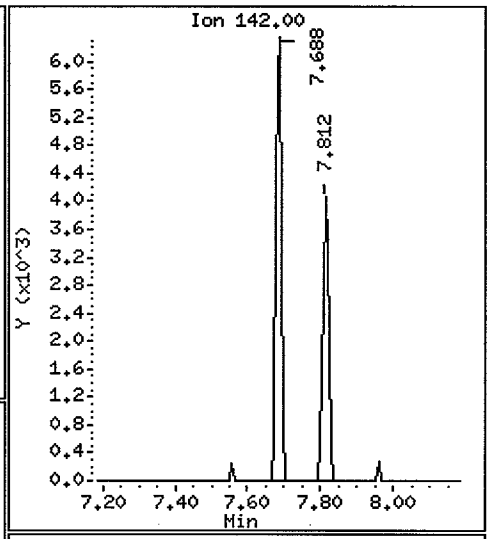
Concentration: 215.3 ug/kg

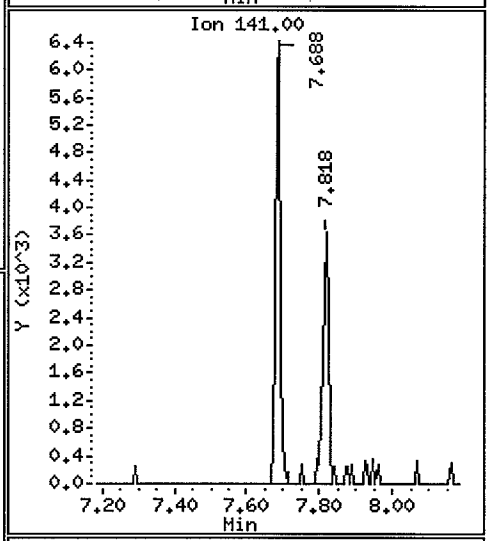


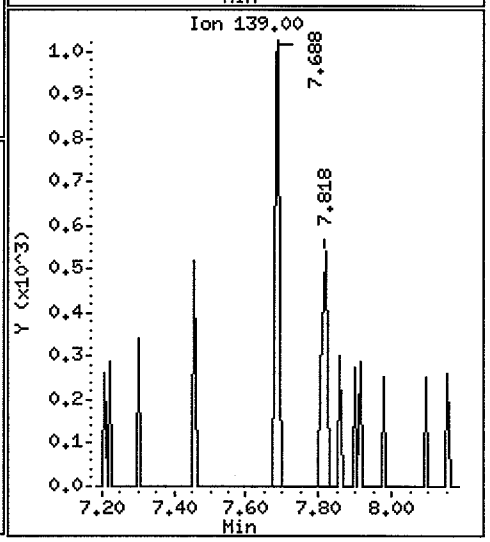












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

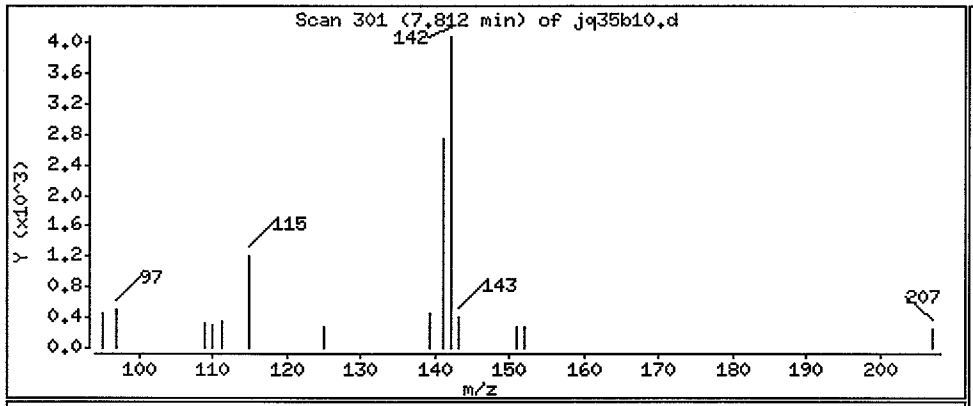
Operator: VTS

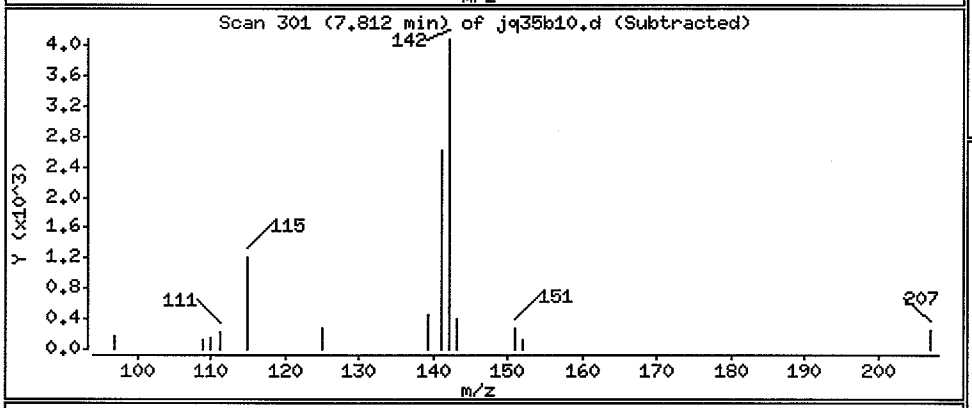
Column phase: ZB-5

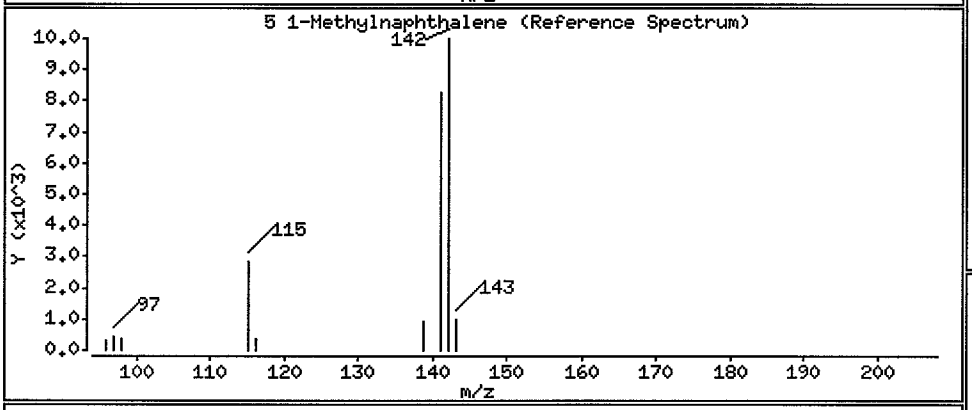
Column diameter: 0.25

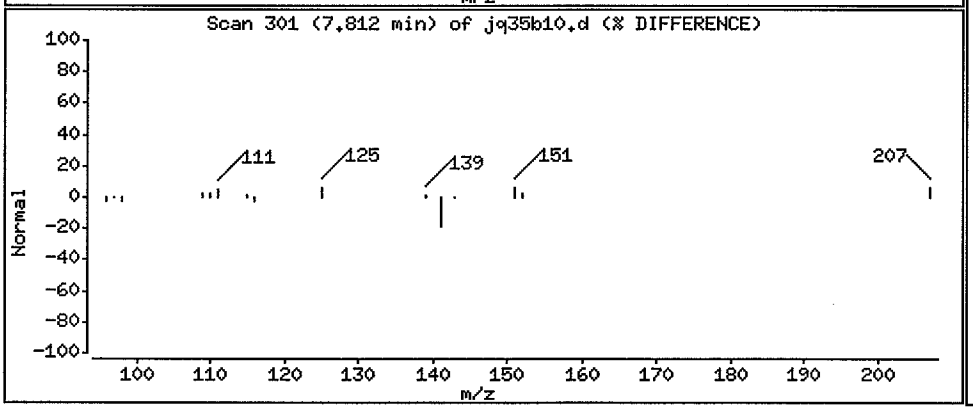
5 1-Methylnaphthalene

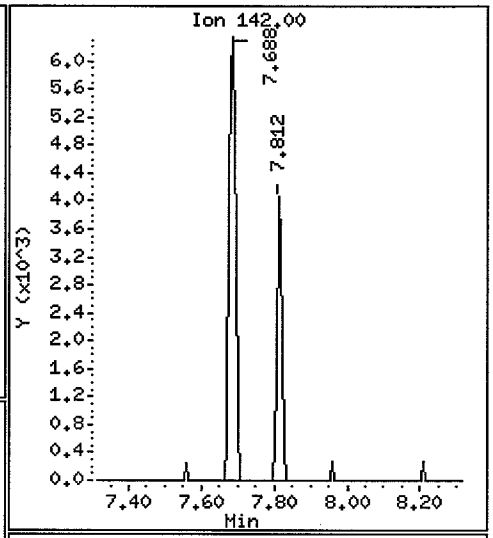
Concentration: 115.8 ug/kg

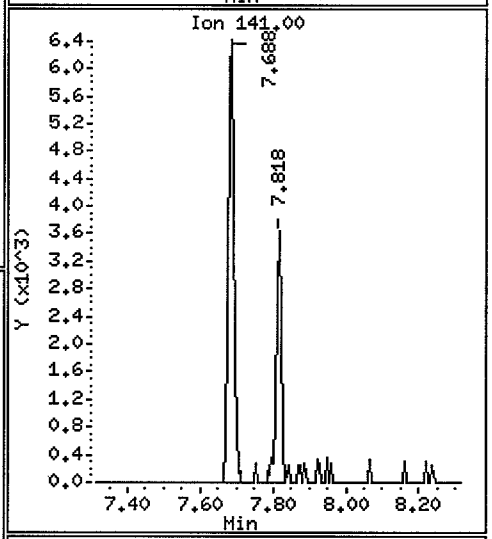


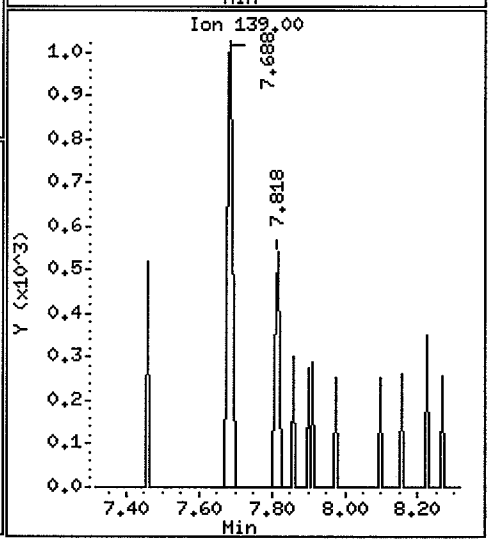












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

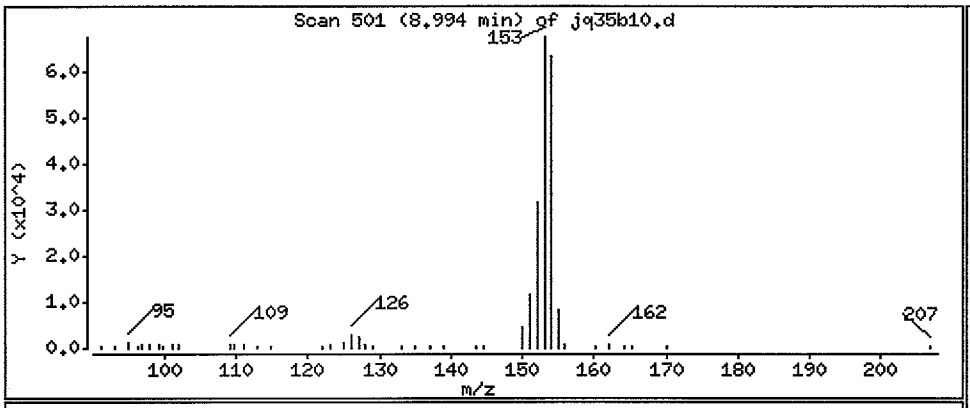
Operator: VTS

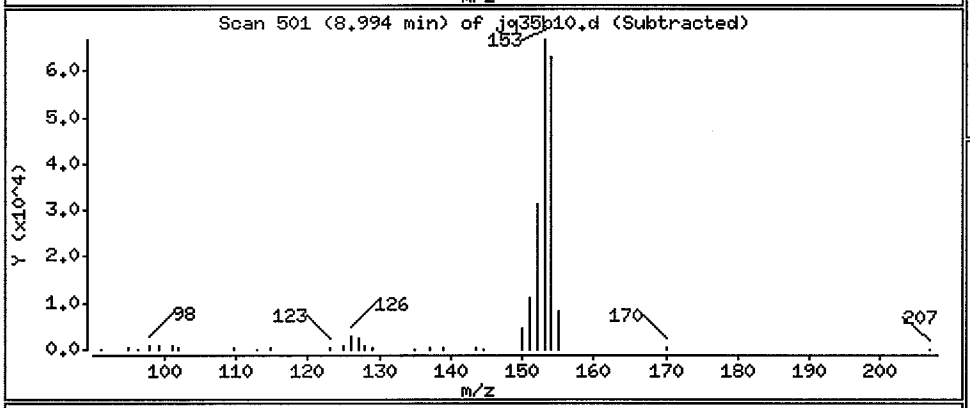
Column phase: ZB-5

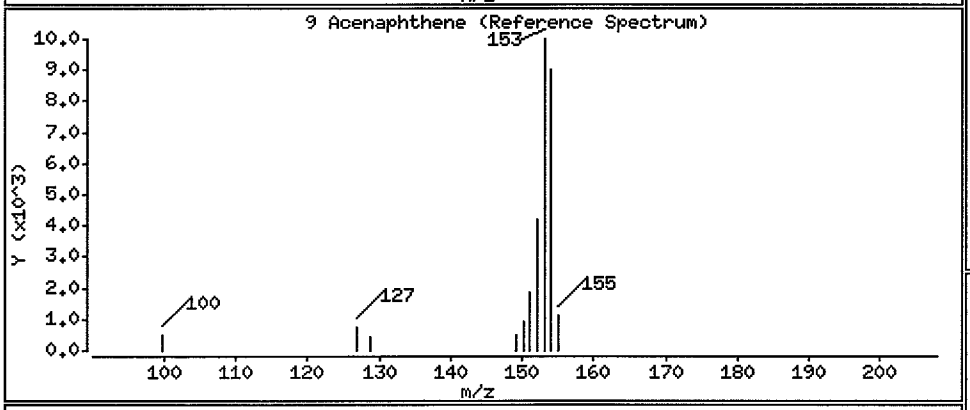
Column diameter: 0.25

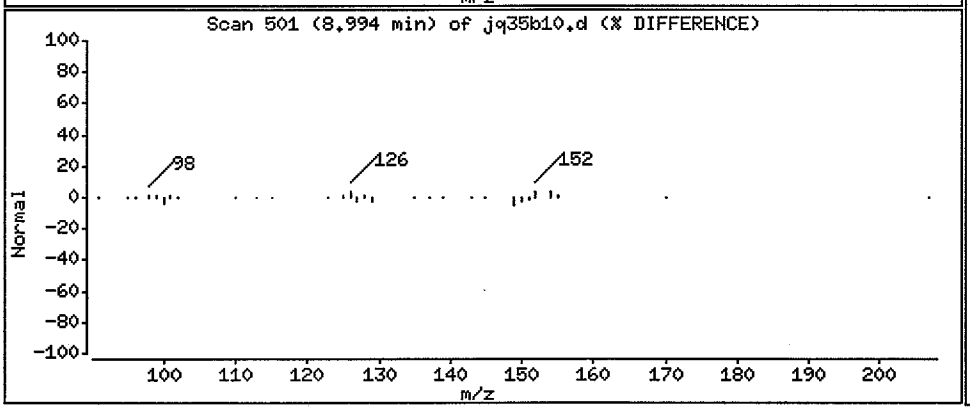
9 Acenaphthene

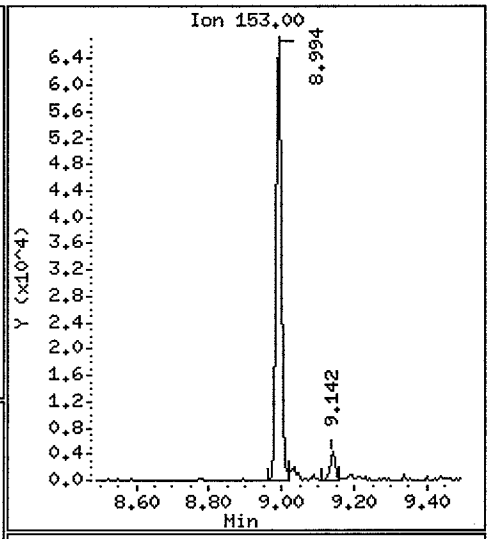
Concentration: 2424 ug/kg

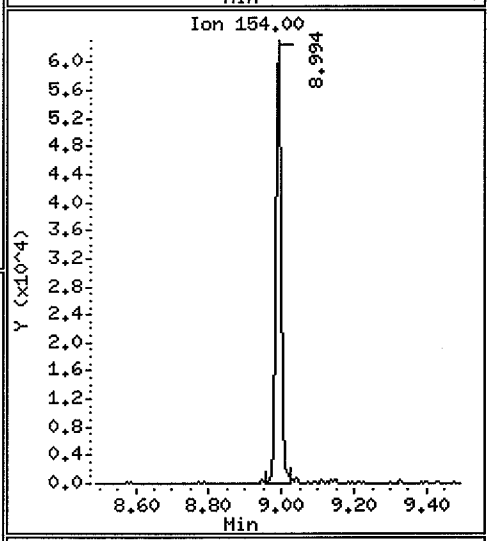


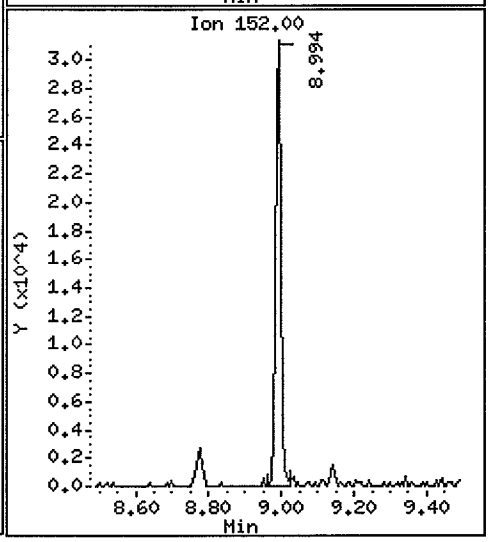












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

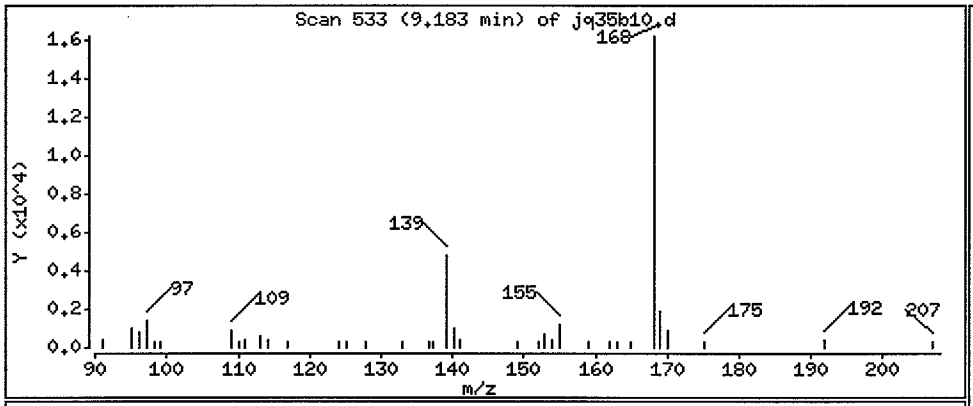
Operator: VTS

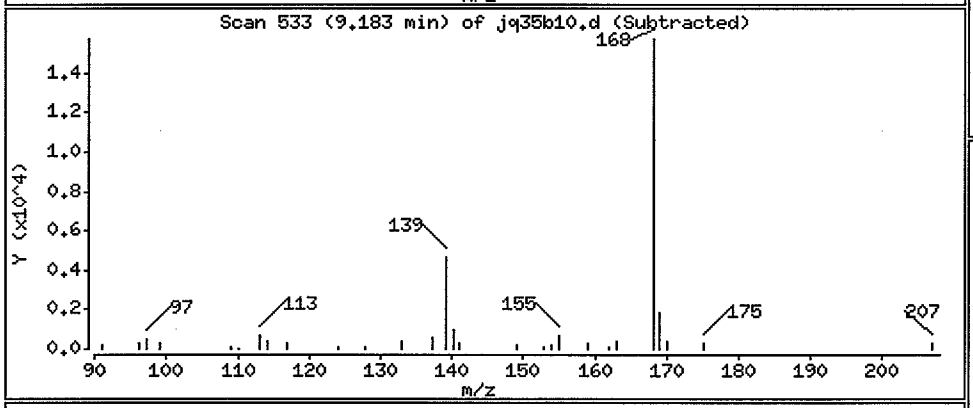
Column phase: ZB-5

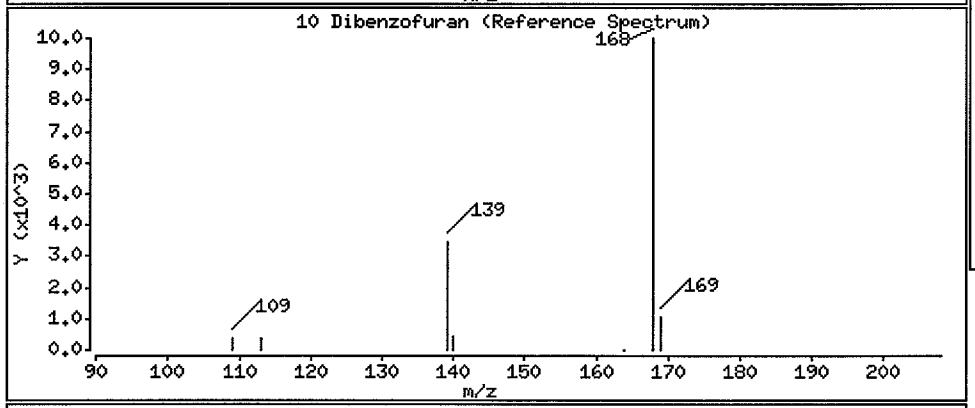
Column diameter: 0.25

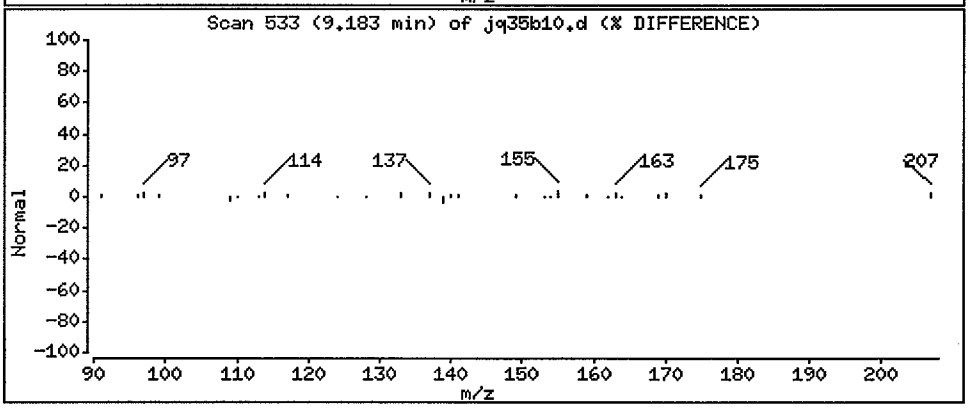
10 Dibenzofuran

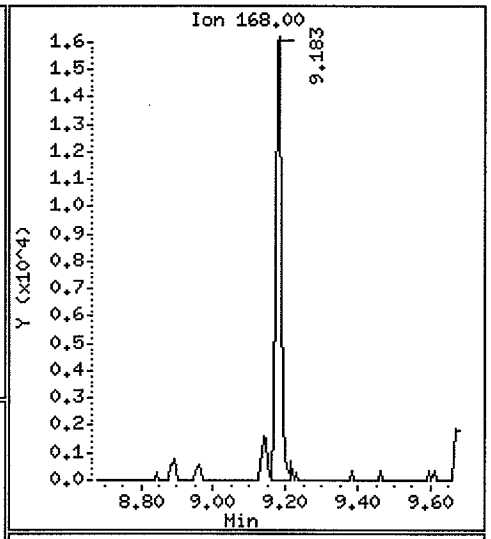
Concentration: 409.9 ug/kg

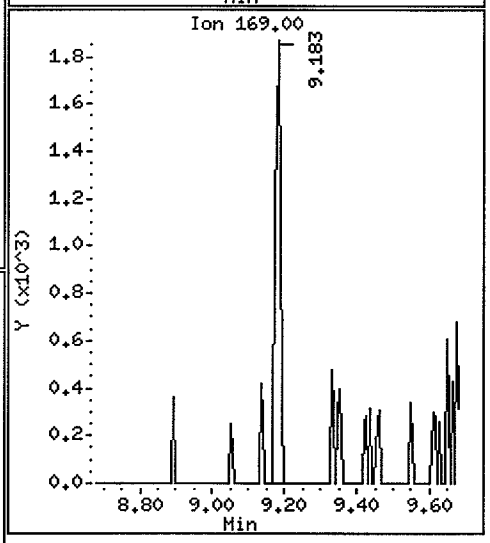












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

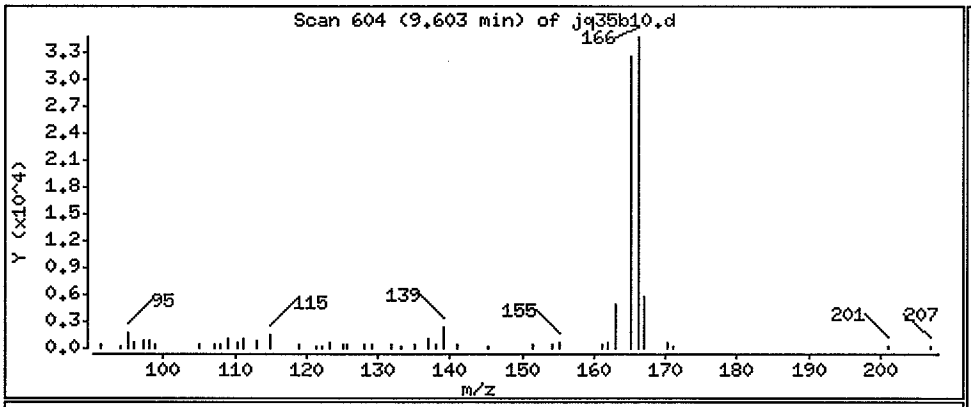
Operator: VTS

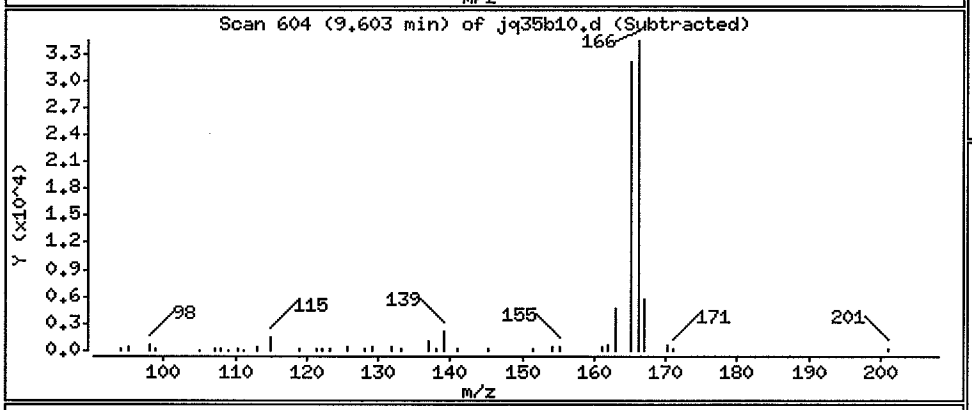
Column phase: ZB-5

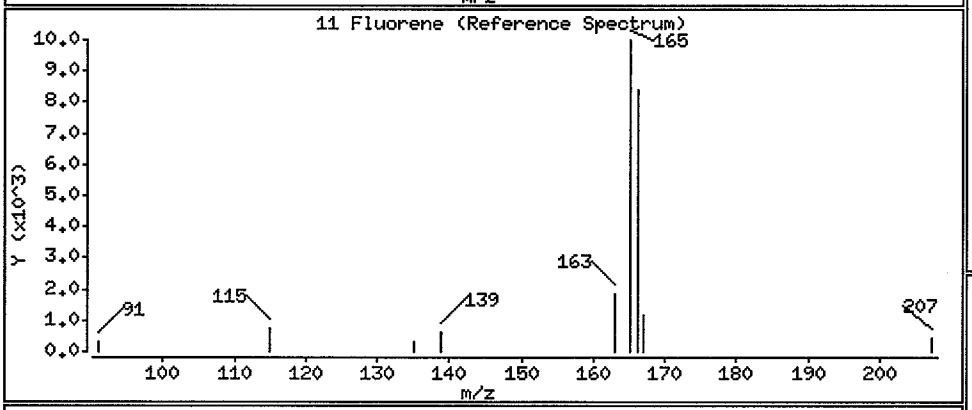
Column diameter: 0.25

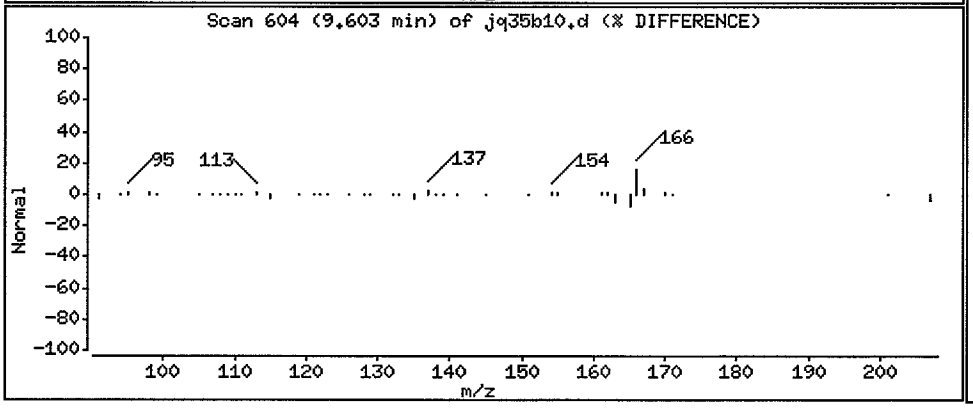
11 Fluorene

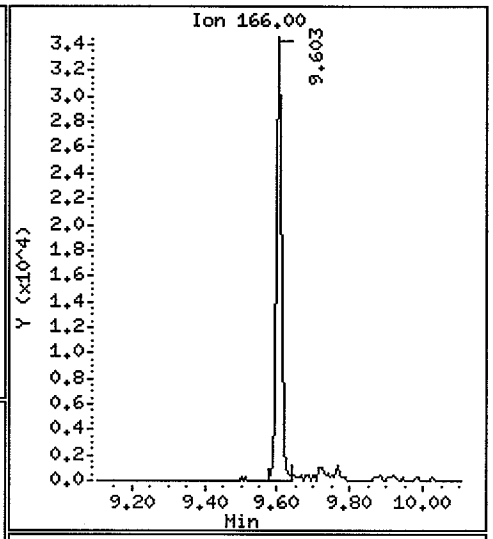
Concentration: 1048 ug/kg

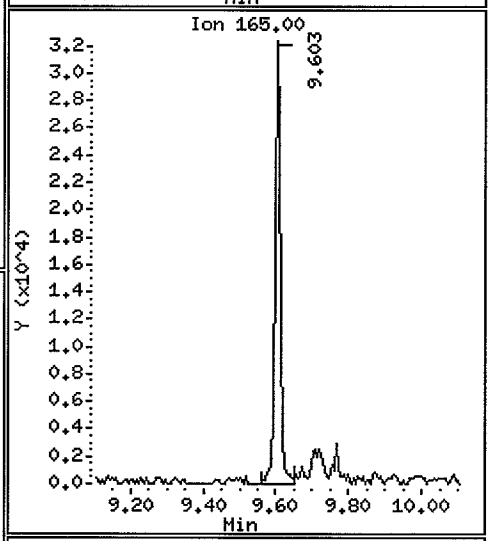


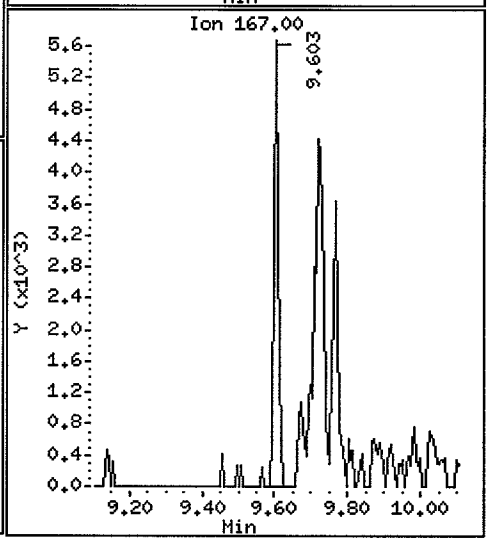












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

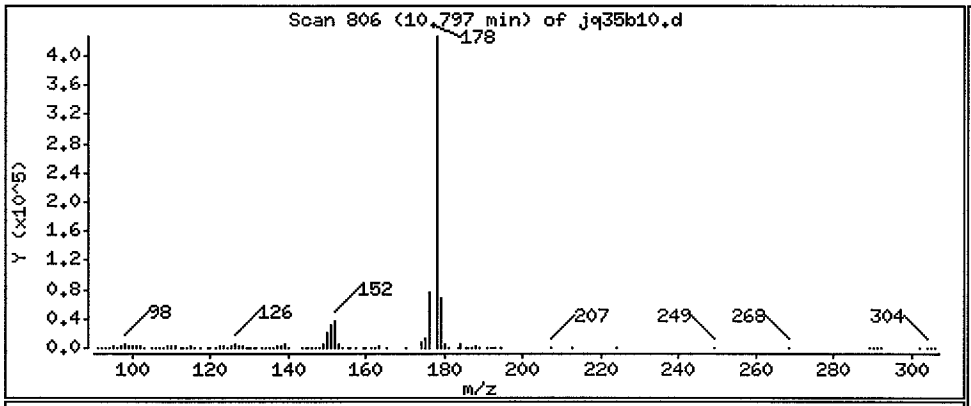
Operator: VTS

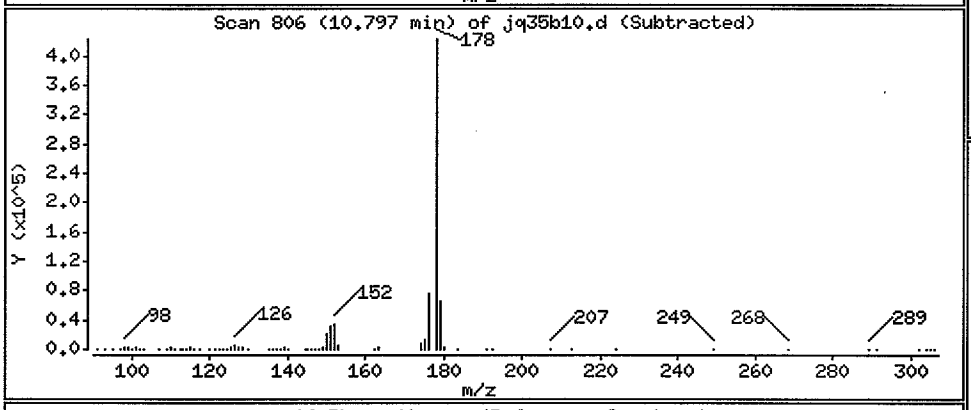
Column phase: ZB-5

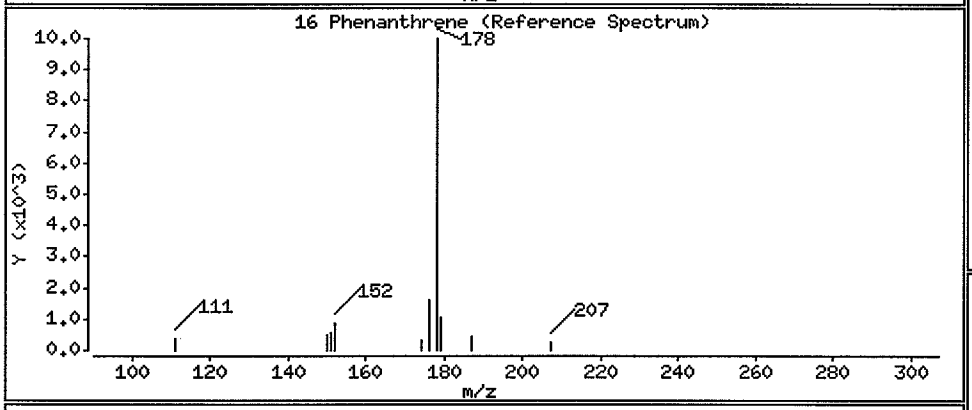
Column diameter: 0.25

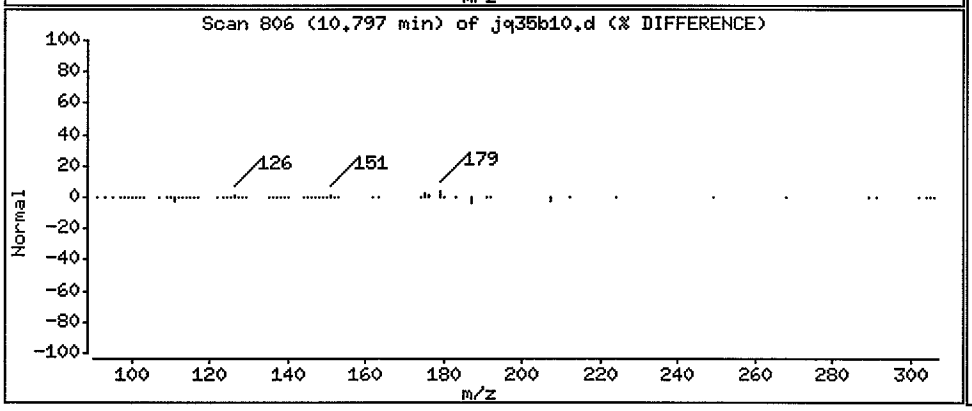
16 Phenanthrene

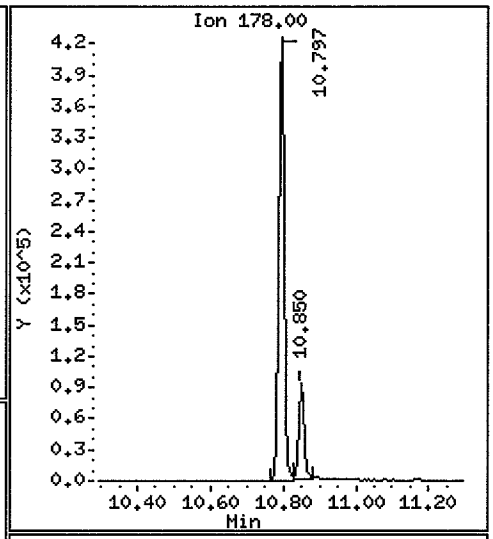
Concentration: 9060 ug/kg

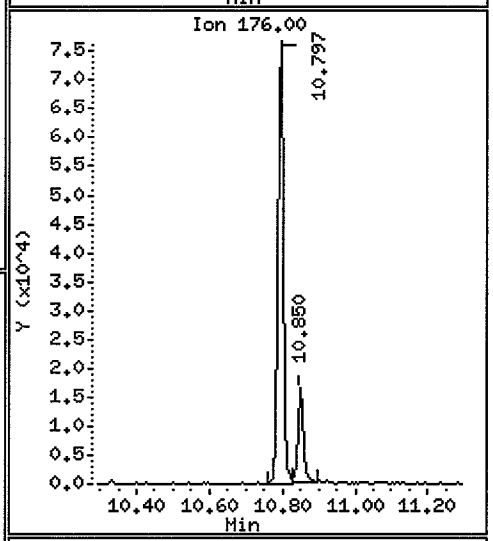


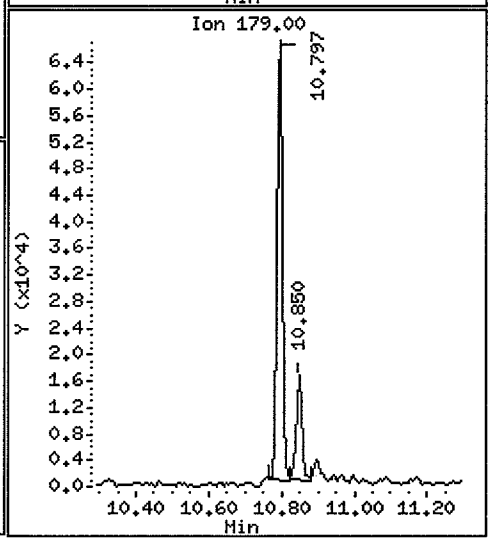












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

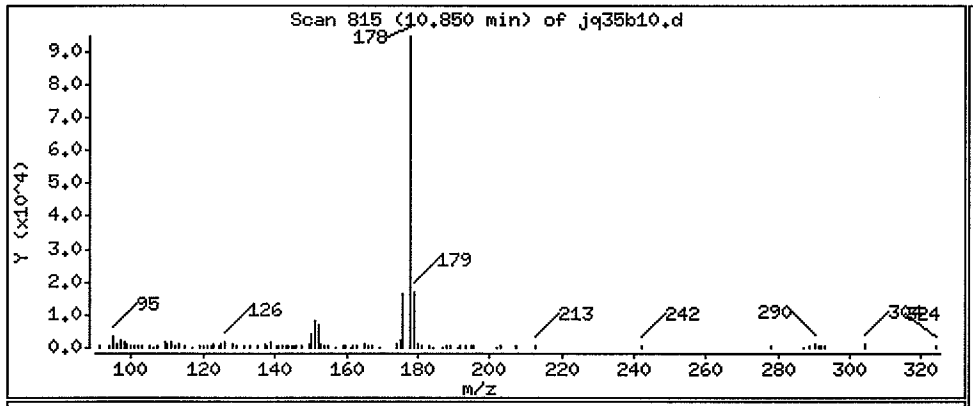
Operator: VTS

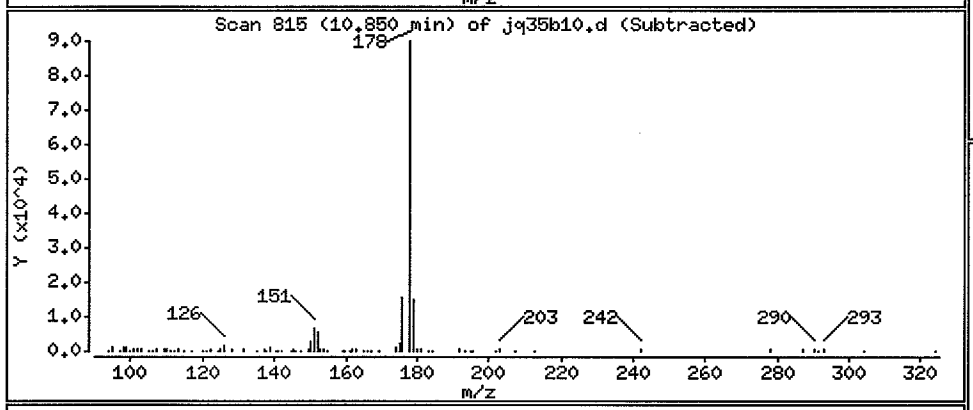
Column phase: ZB-5

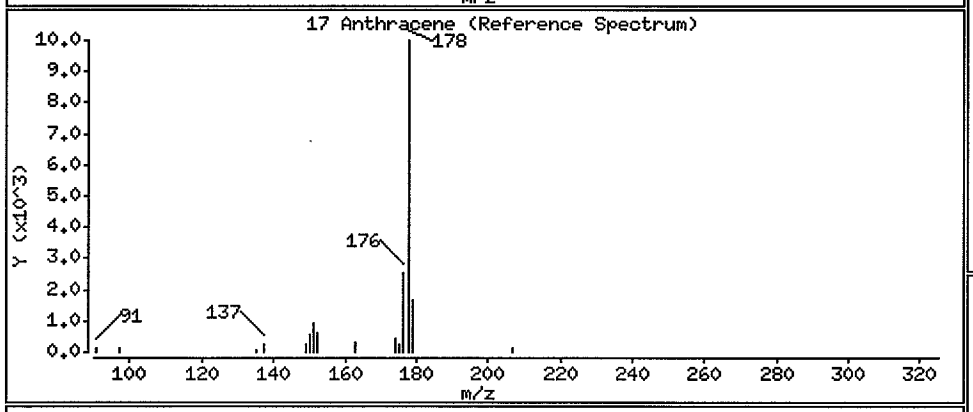
Column diameter: 0.25

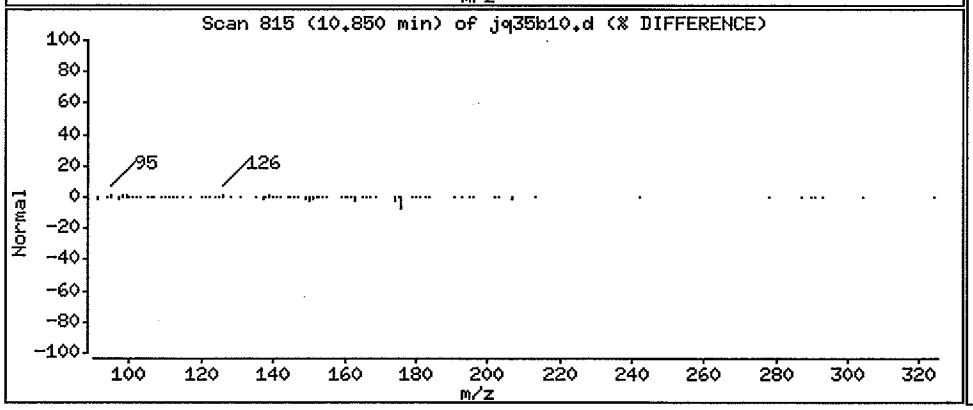
17 Anthracene

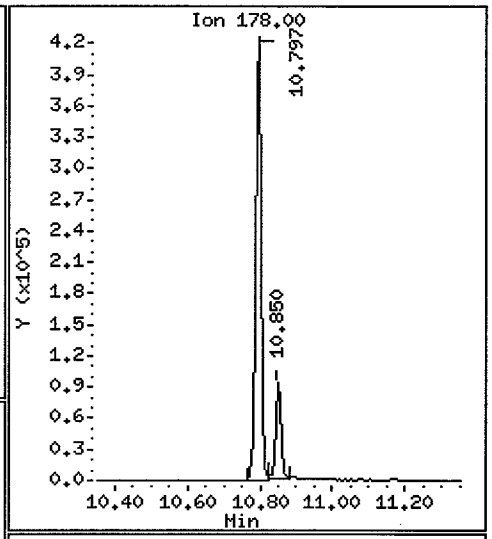
Concentration: 1945 ug/kg

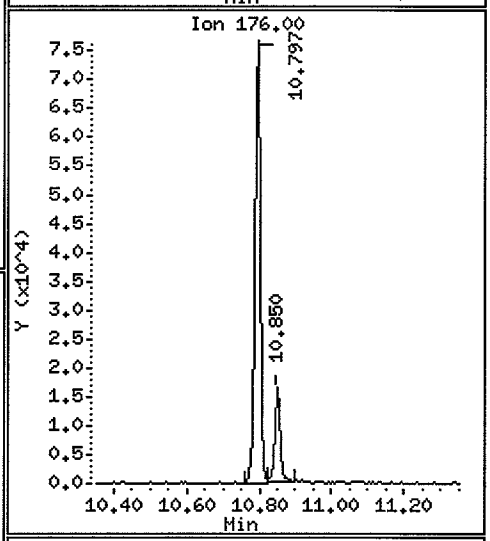


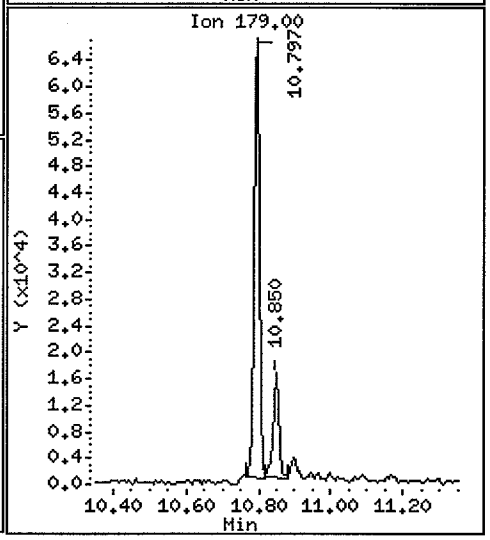












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

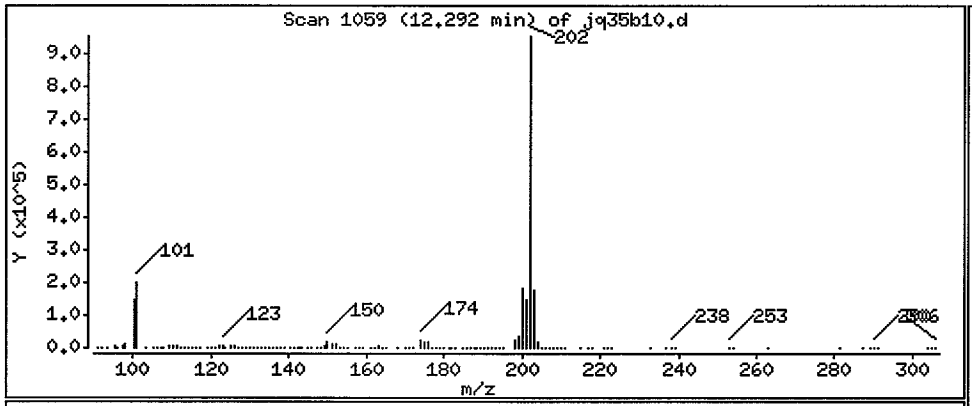
Operator: VTS

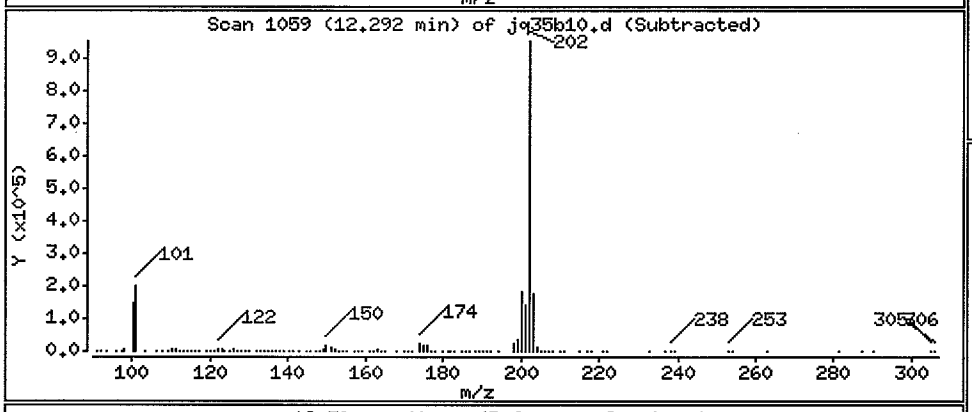
Column phase: ZB-5

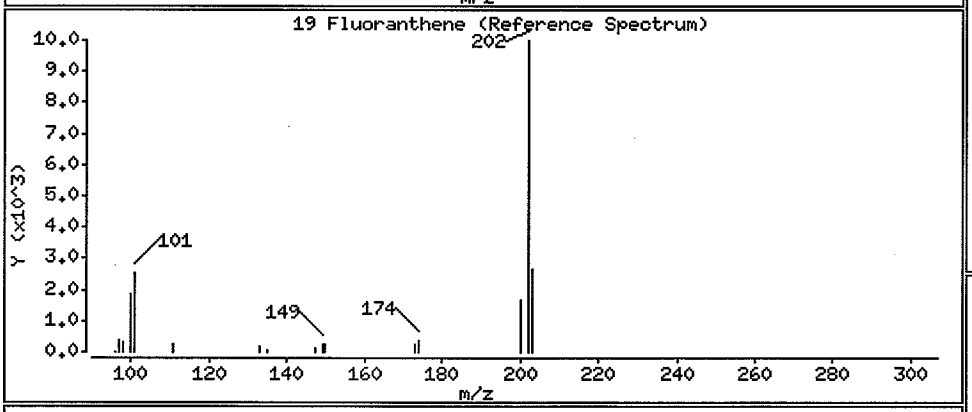
Column diameter: 0.25

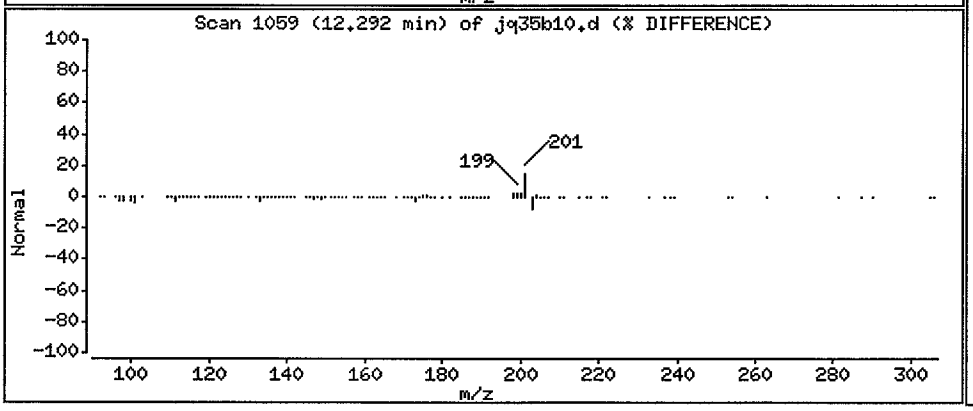
19 Fluoranthene

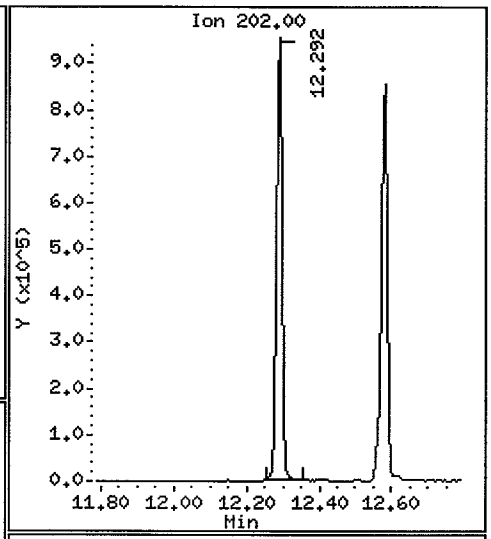
Concentration: 20310 ug/kg

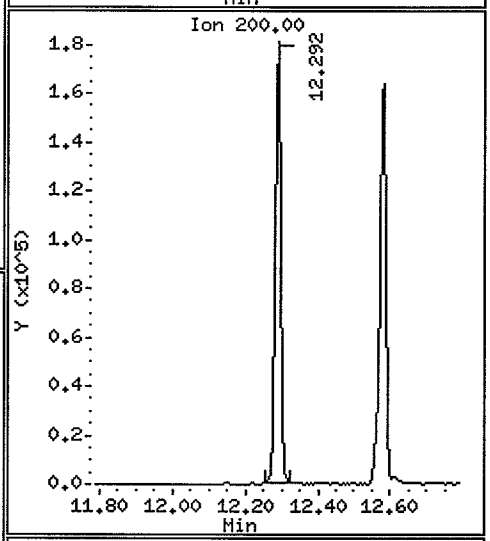


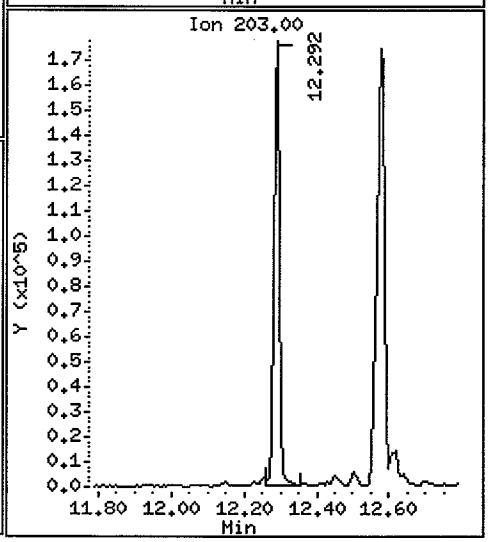












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

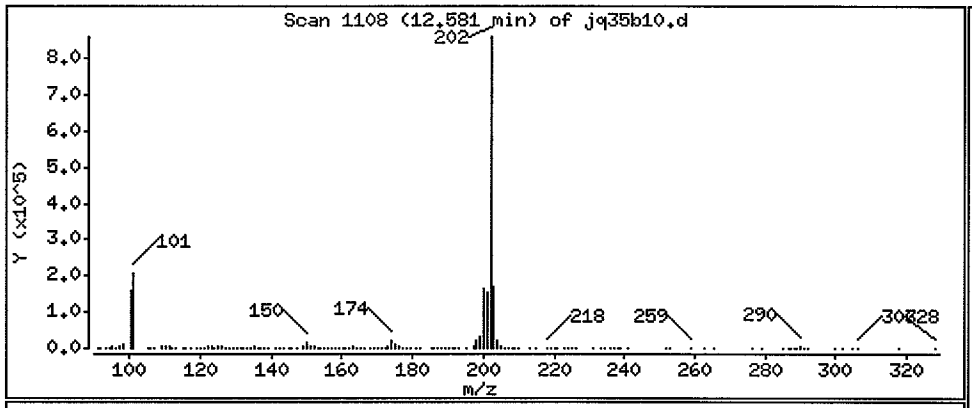
Operator: VTS

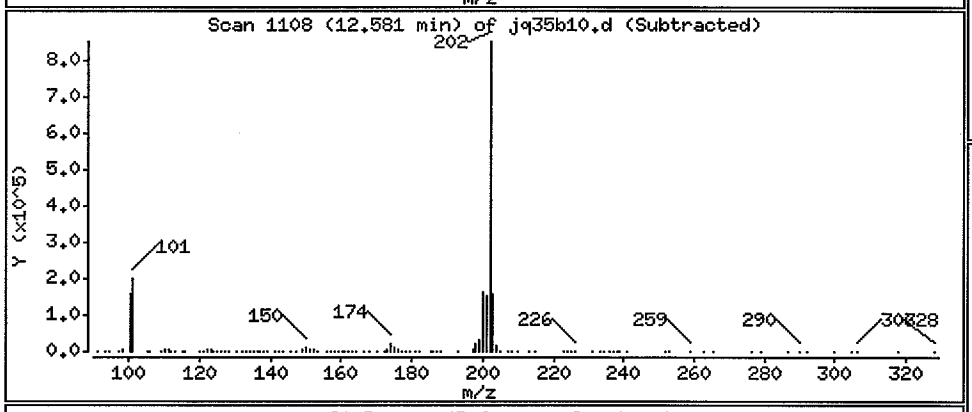
Column phase: ZB-5

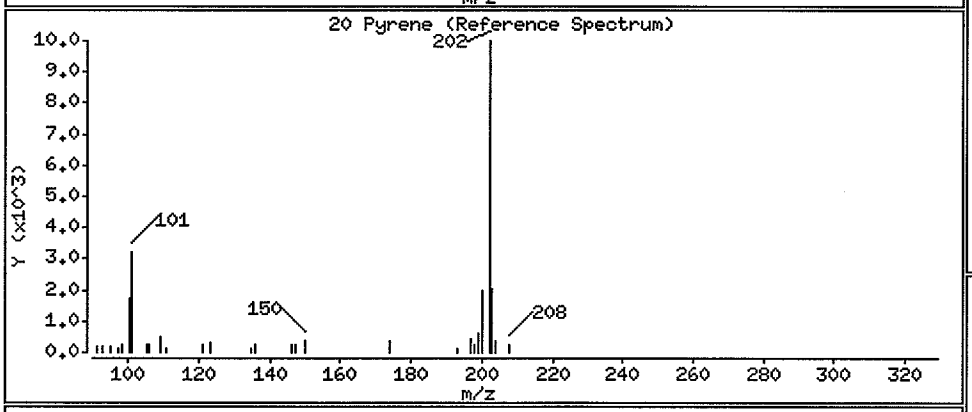
Column diameter: 0.25

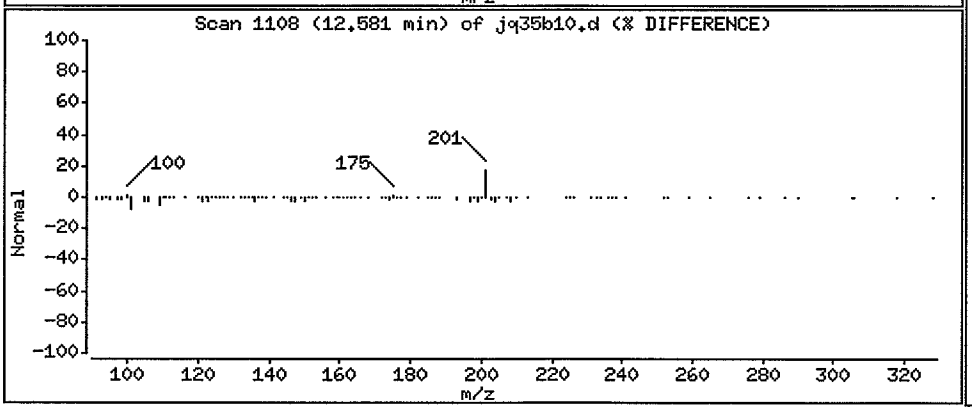
20 Pyrene

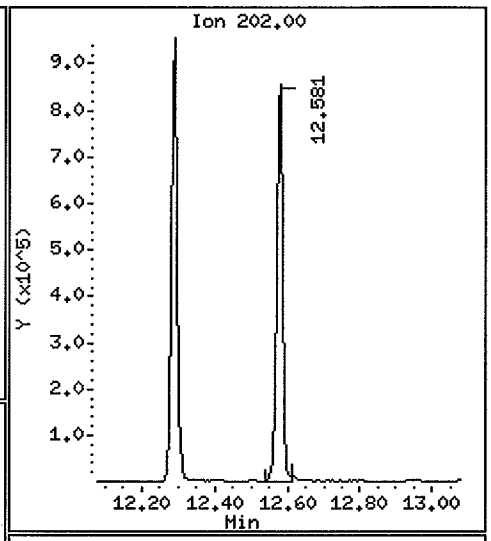
Concentration: 17750 ug/kg

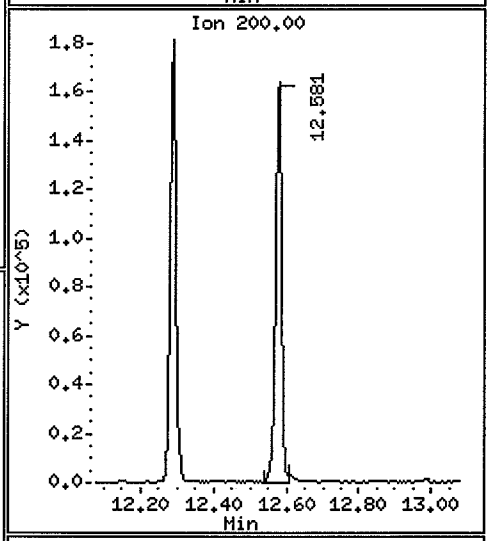


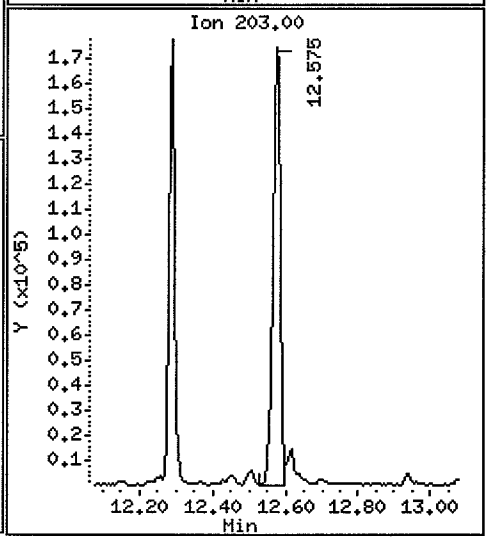












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

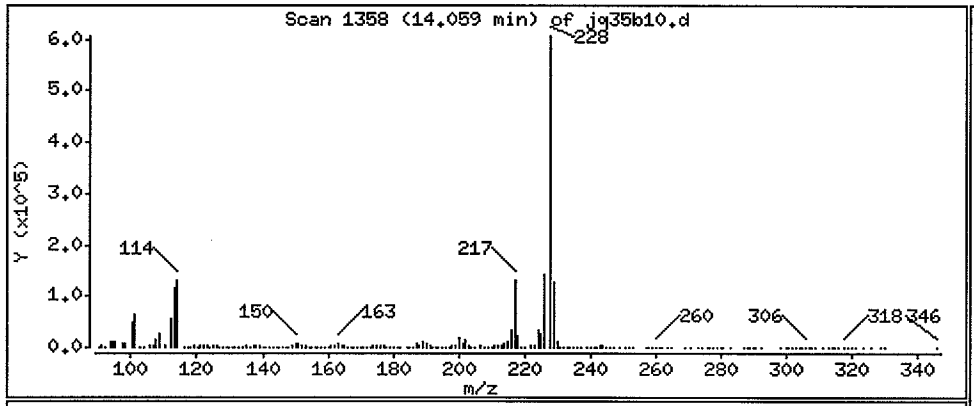
Operator: VTS

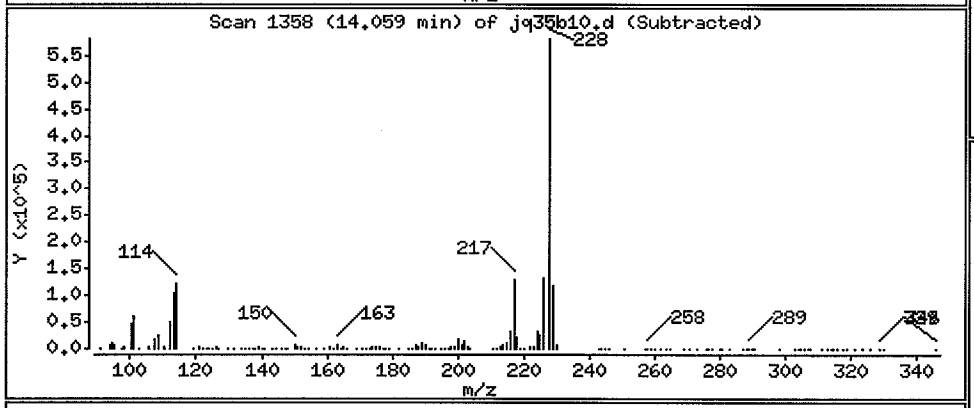
Column phase: ZB-5

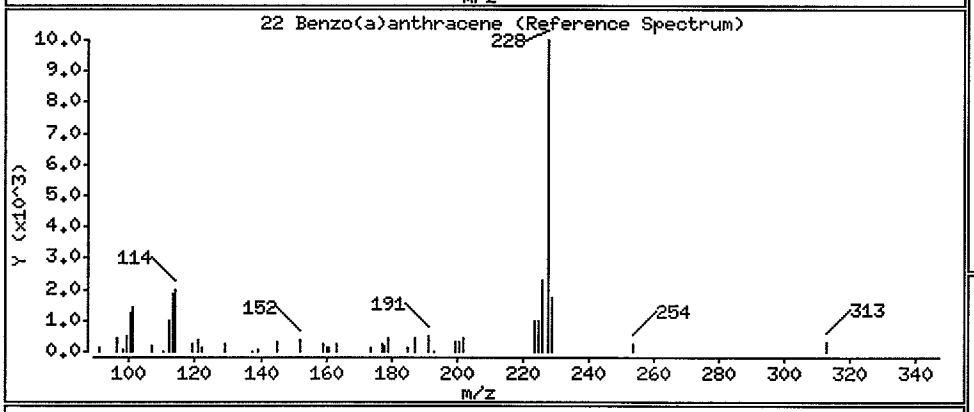
Column diameter: 0.25

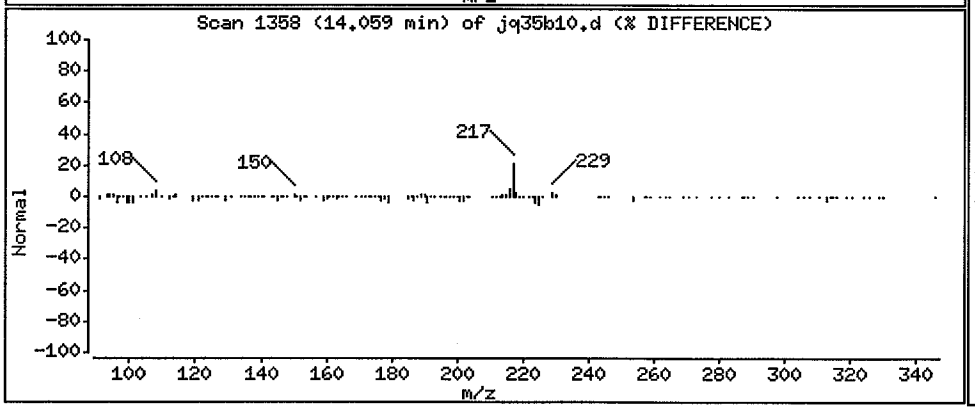
22 Benzo(a)anthracene

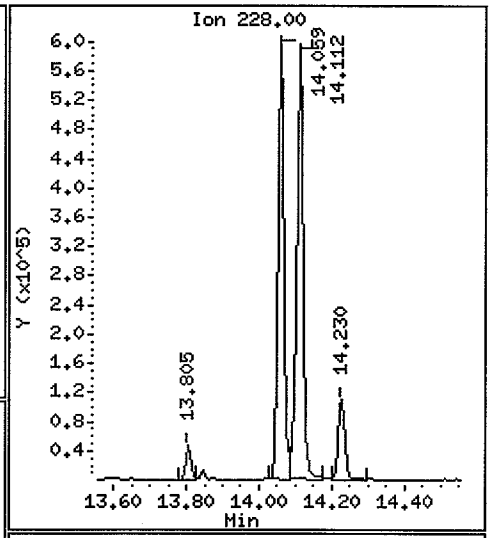
Concentration: 12640 ug/kg

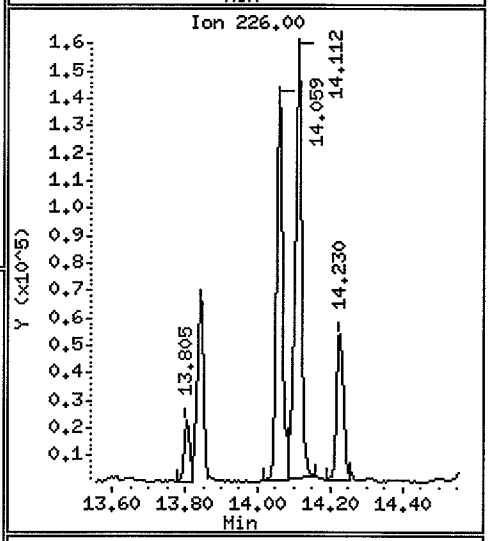


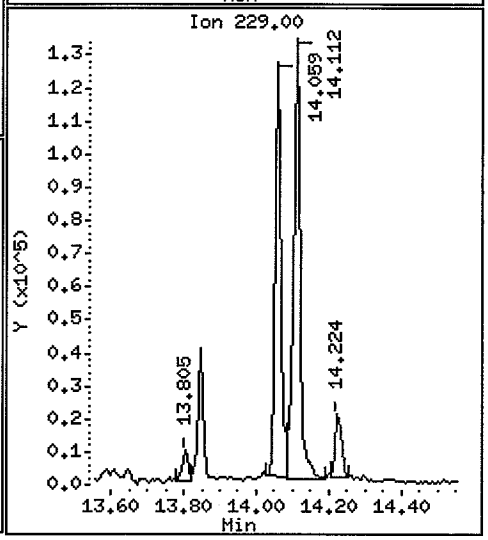












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

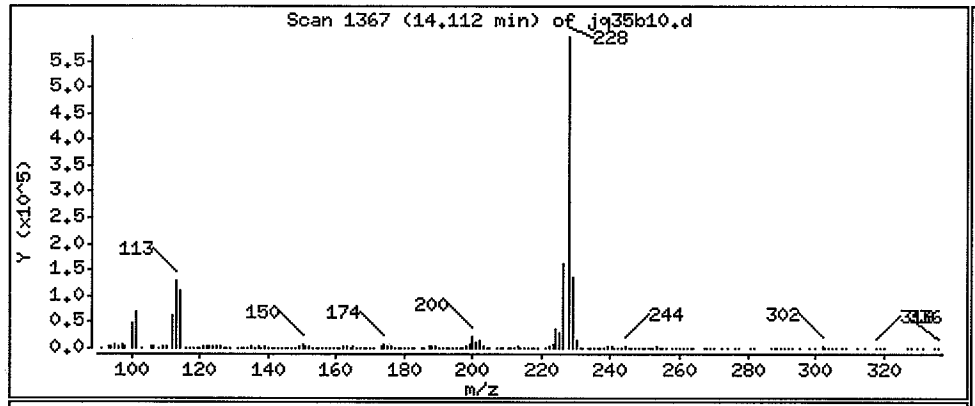
Operator: VTS

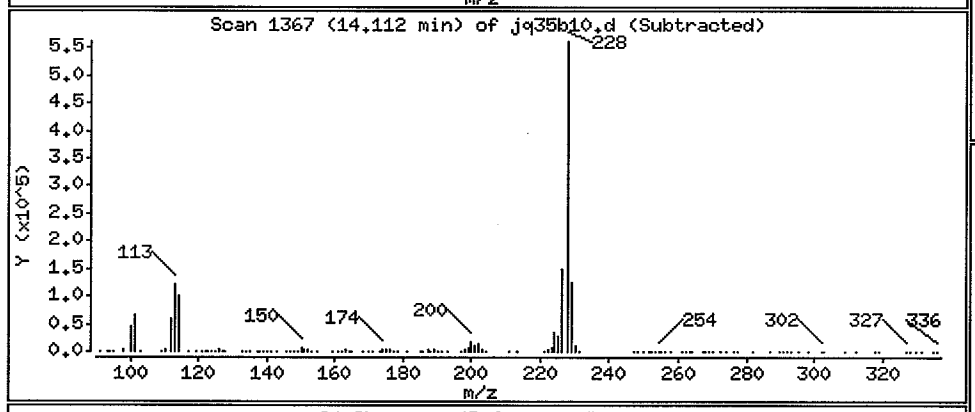
Column phase: ZB-5

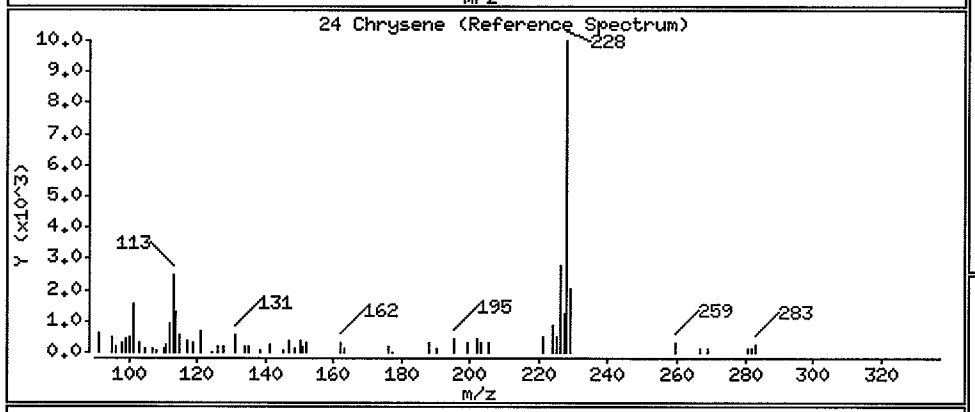
Column diameter: 0.25

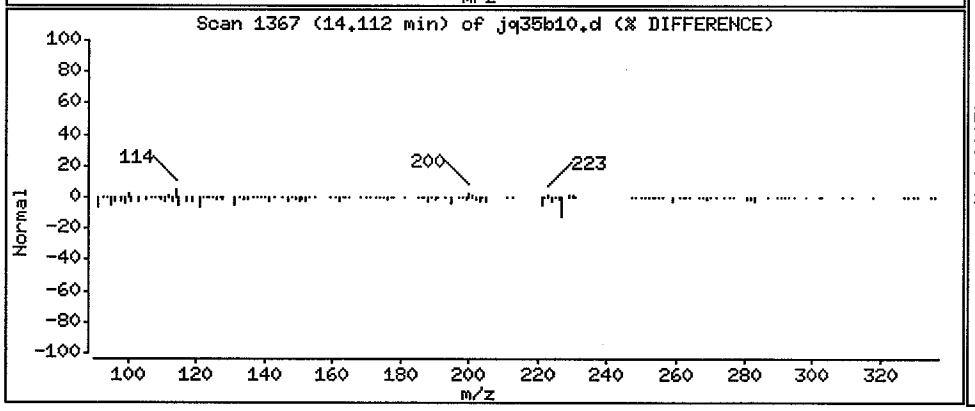
24 Chrysene

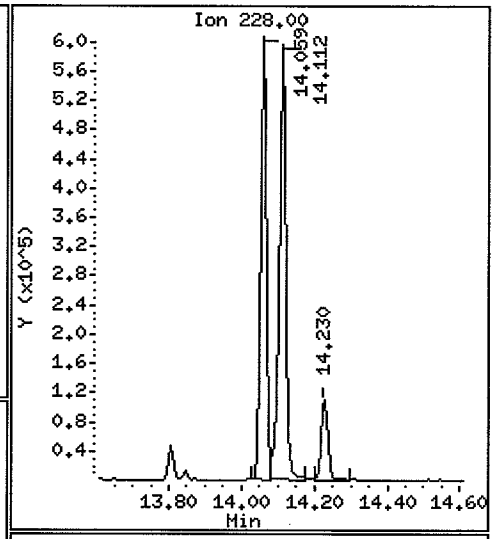
Concentration: 15160 ug/kg

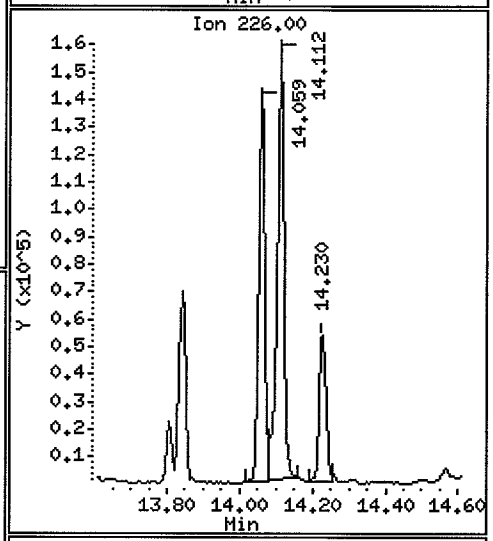


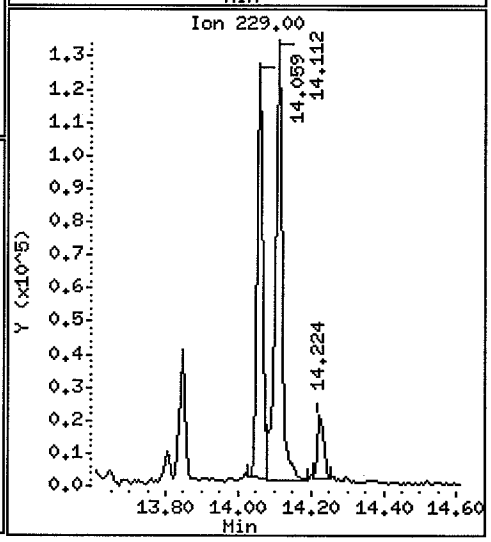












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

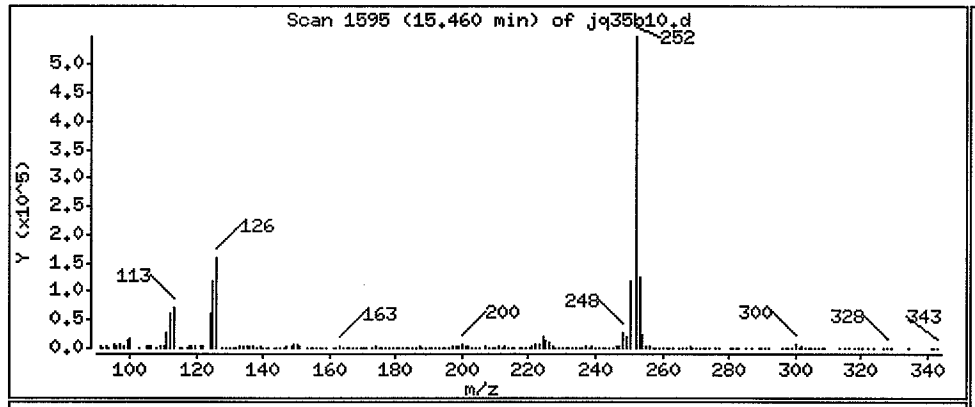
Operator: VTS

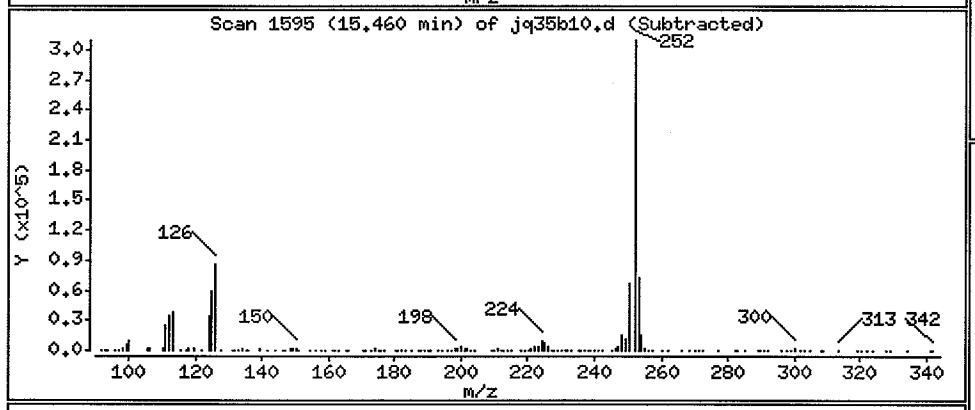
Column phase: ZB-5

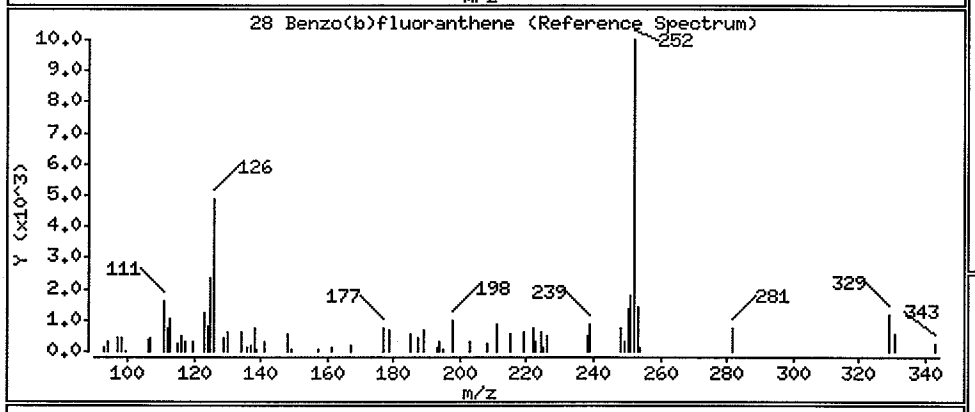
Column diameter: 0.25

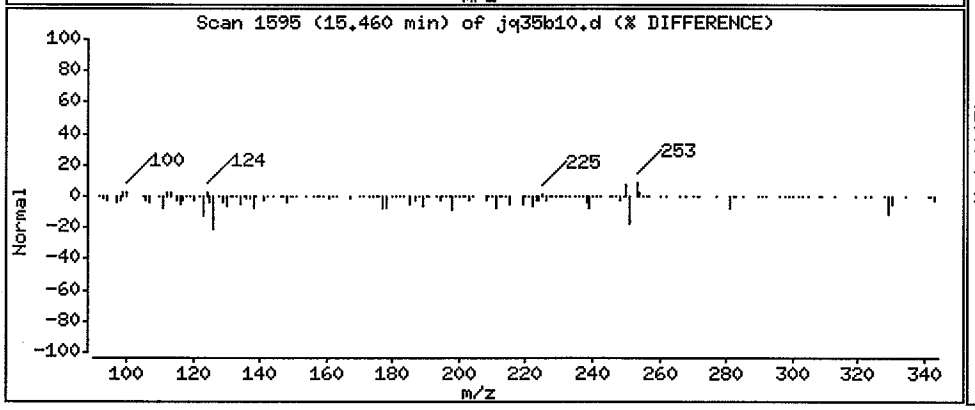
28 Benzo(b)fluoranthene

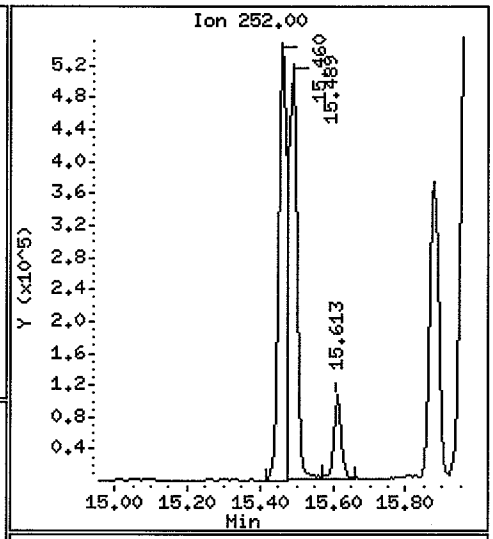
Concentration: 16480 ug/kg

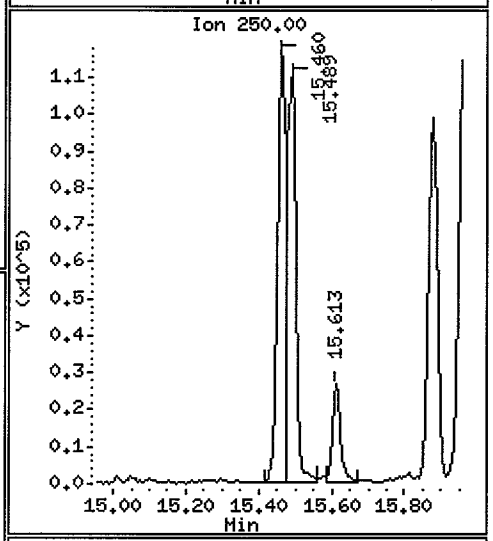


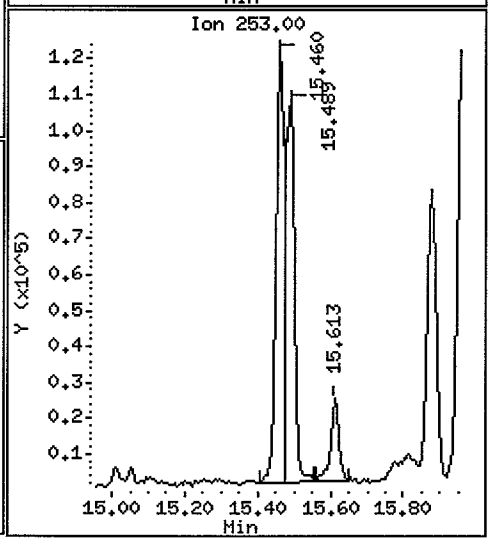












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

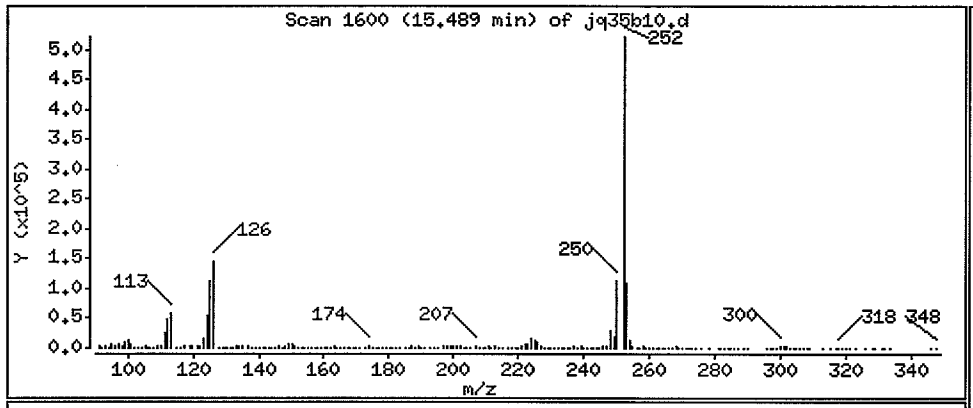
Operator: VTS

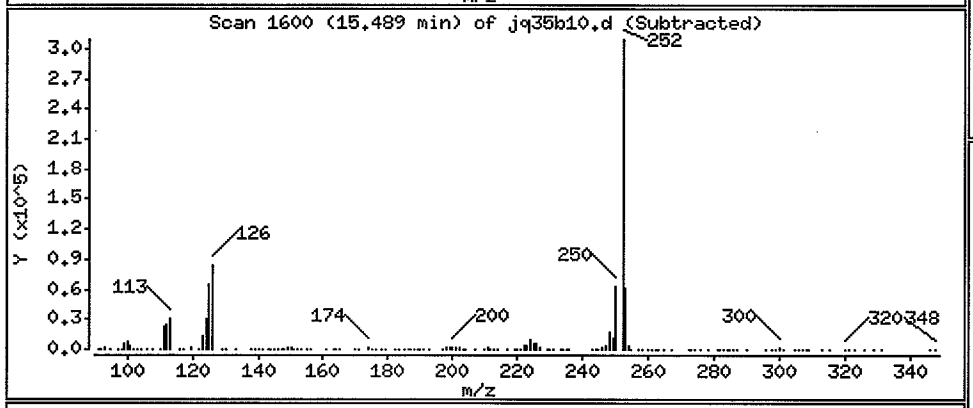
Column phase: ZB-5

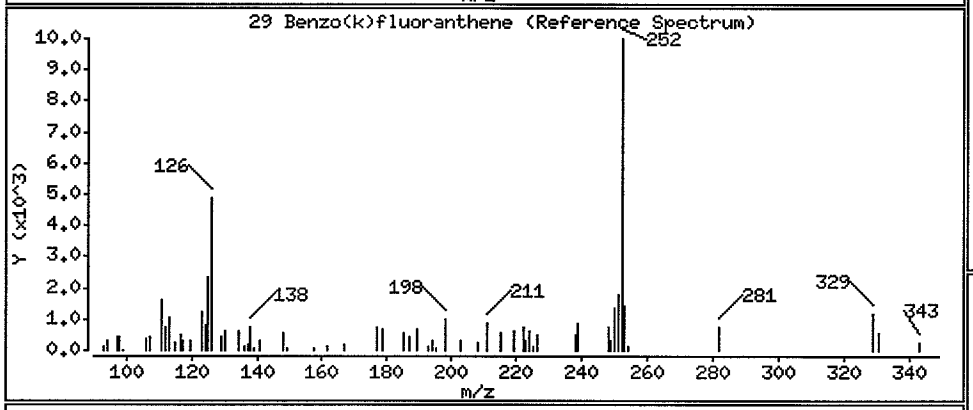
Column diameter: 0.25

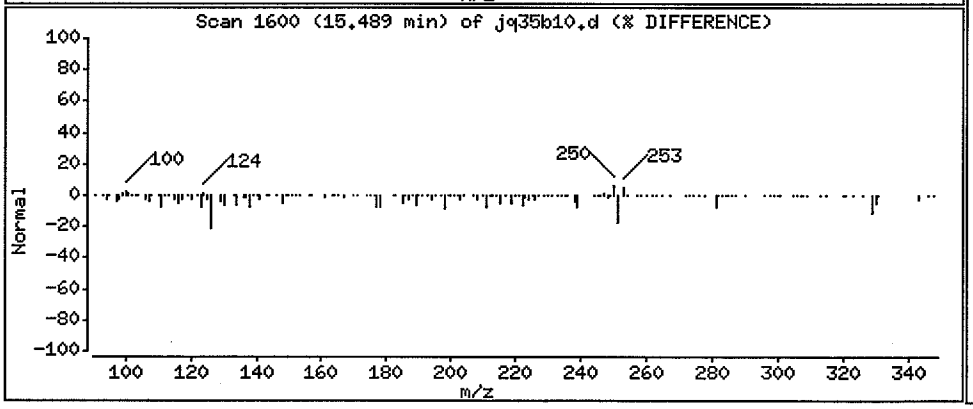
29 Benzo(k)fluoranthene

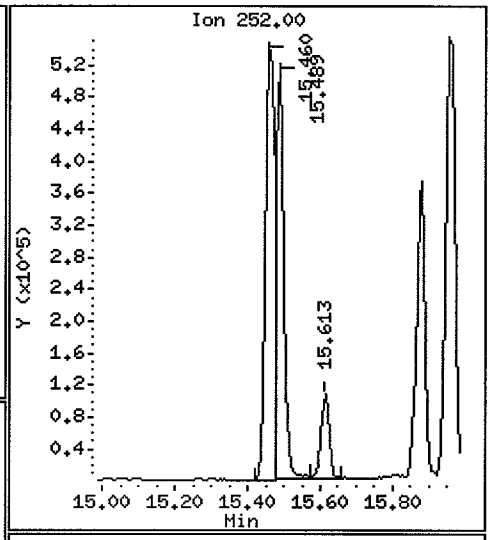
Concentration: 13100 ug/kg

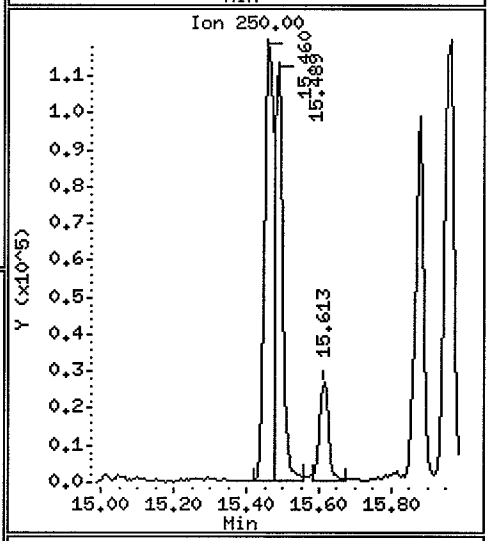


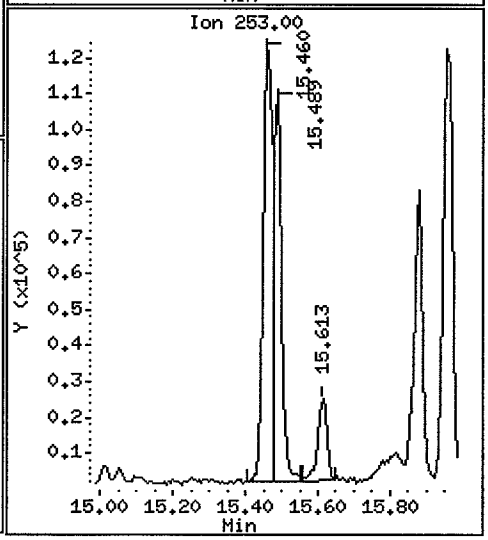












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

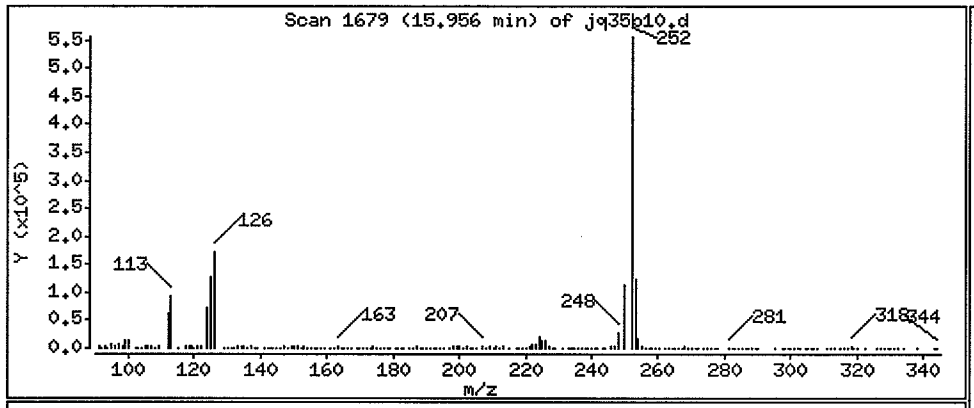
Operator: VTS

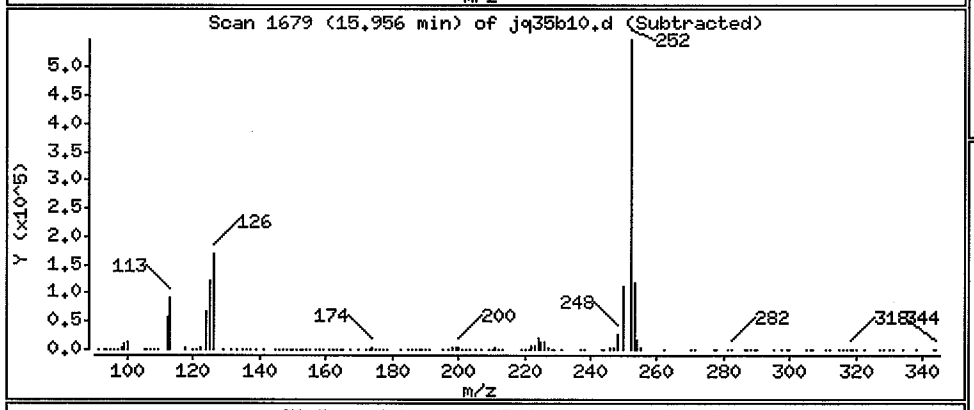
Column phase: ZB-5

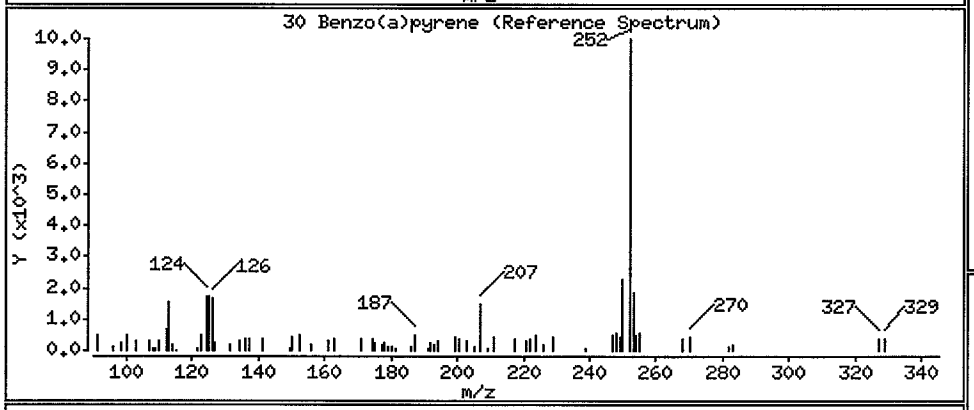
Column diameter: 0.25

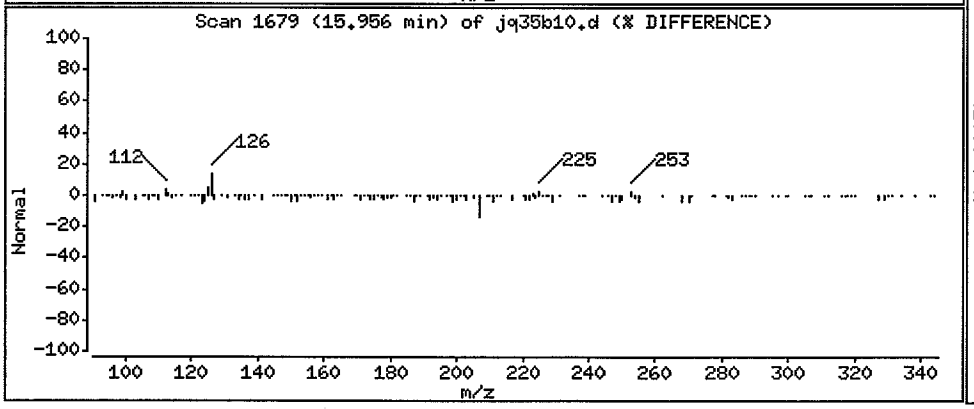
30 Benzo(a)pyrene

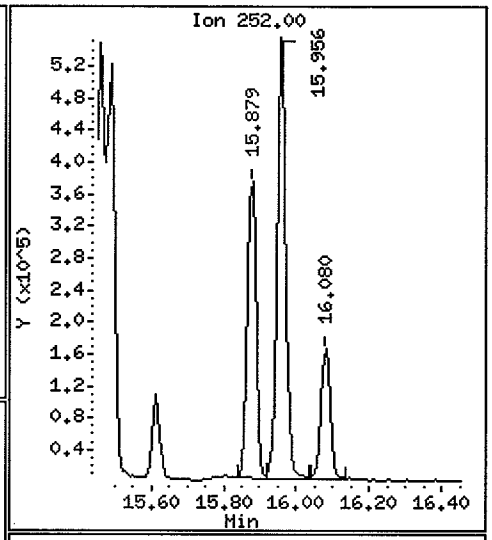
Concentration: 16590 ug/kg

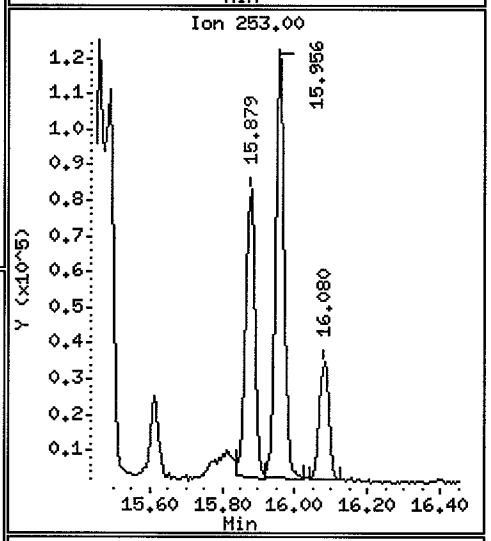


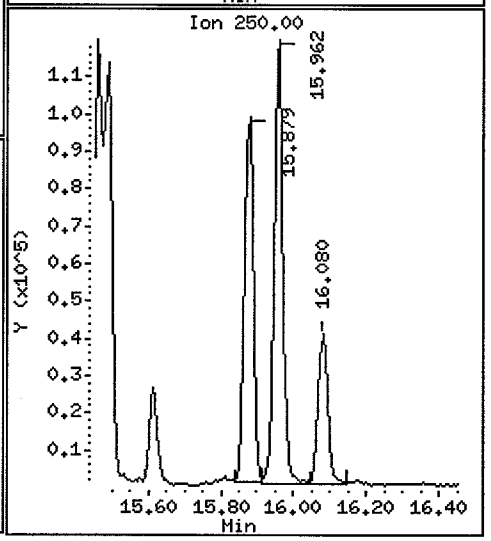












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

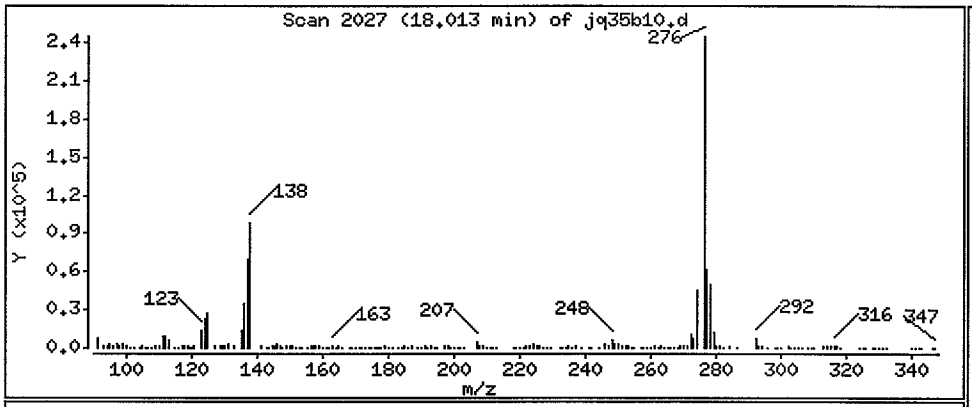
Operator: VTS

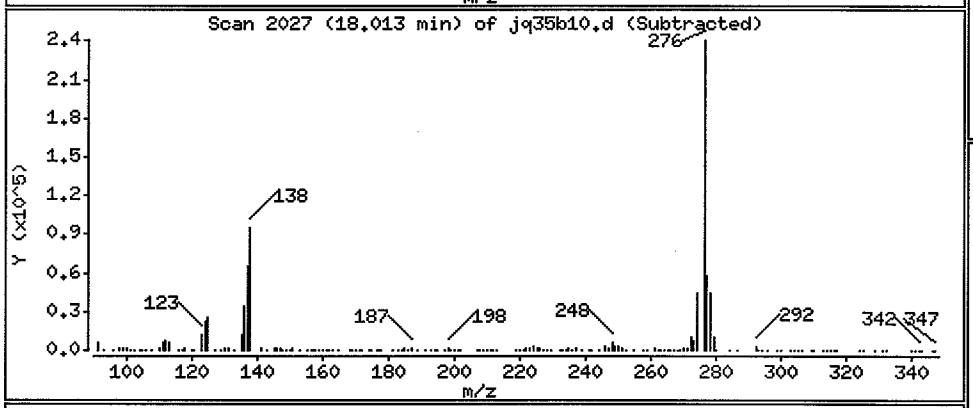
Column phase: ZB-5

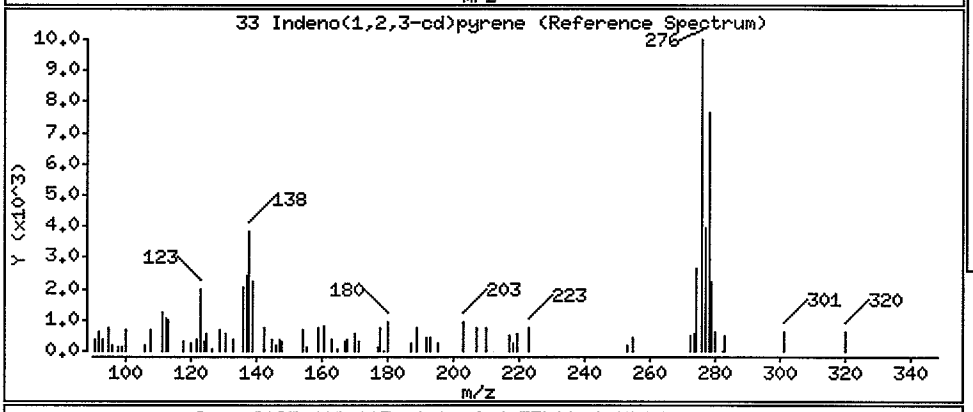
Column diameter: 0.25

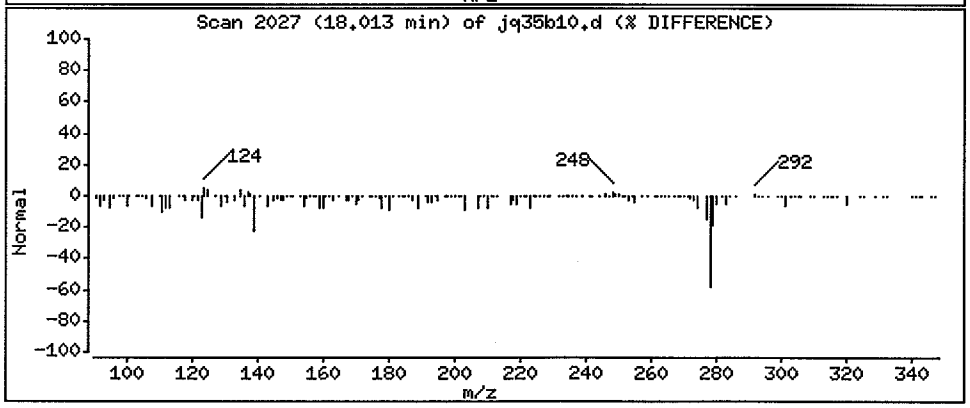
33 Indeno(1,2,3-cd)pyrene

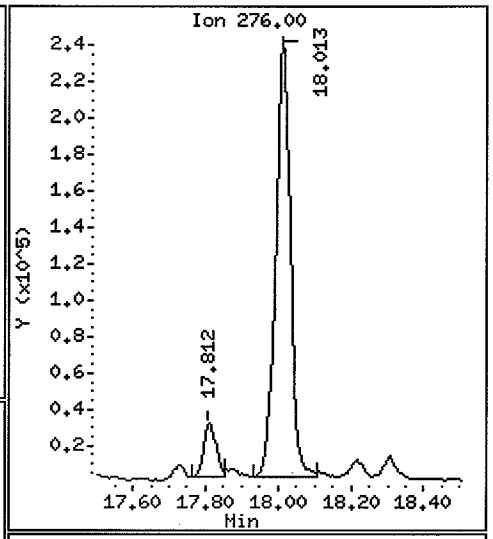
Concentration: 10140 ug/kg

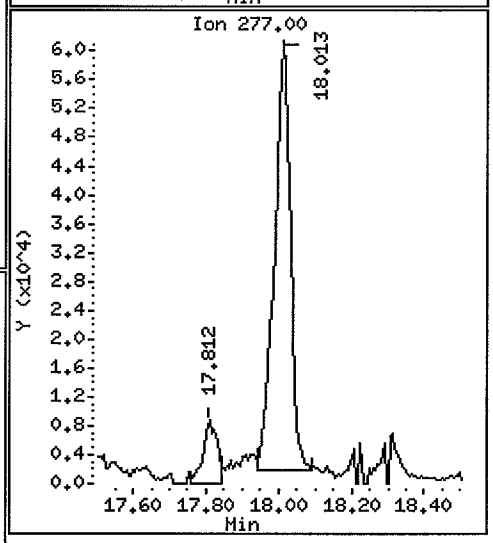












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

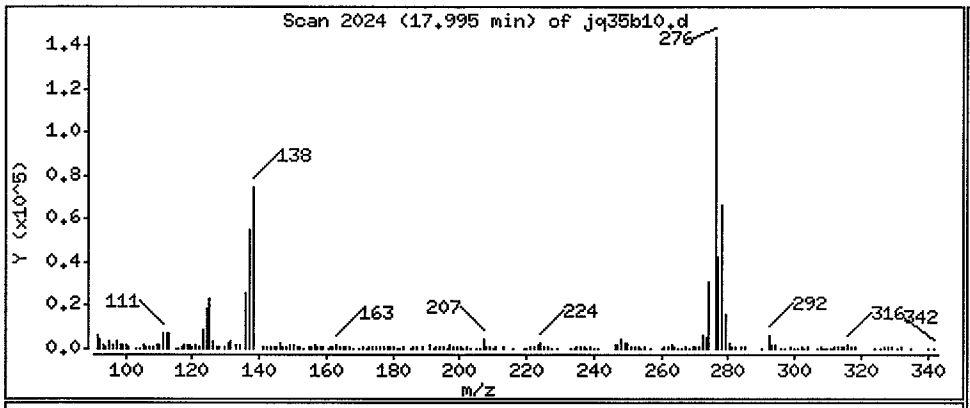
Operator: VTS

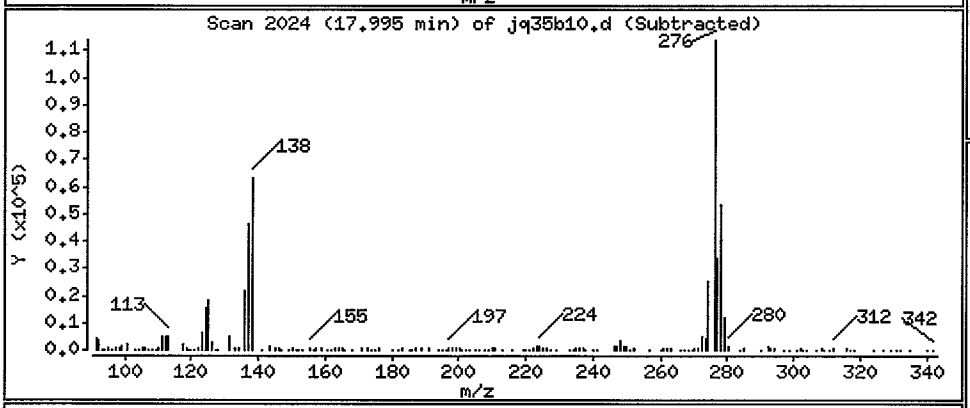
Column phase: ZB-5

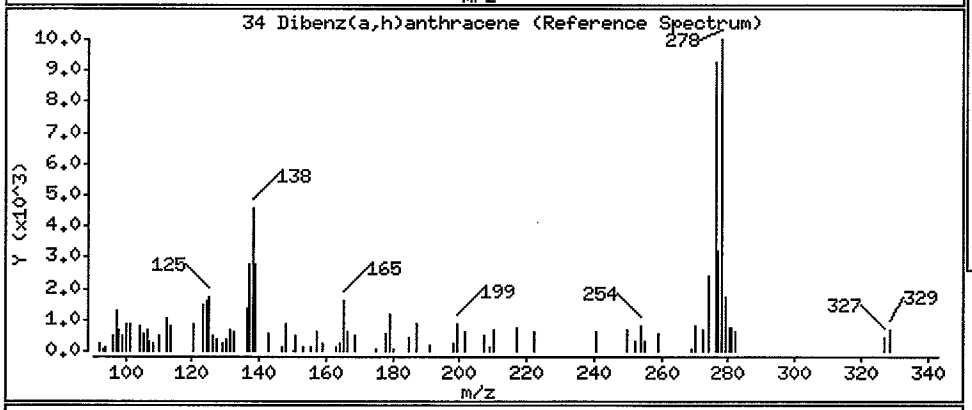
Column diameter: 0.25

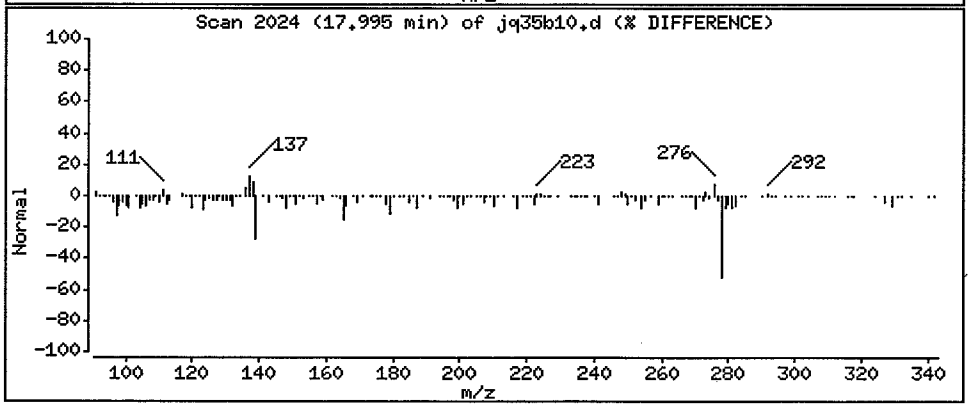
34 Dibenz(a,h)anthracene

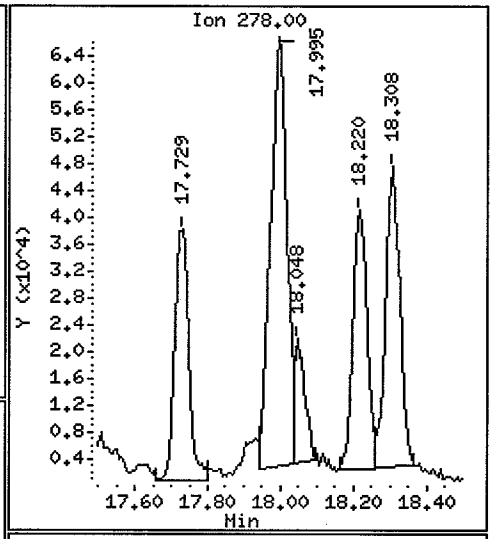
Concentration: 3819 ug/kg

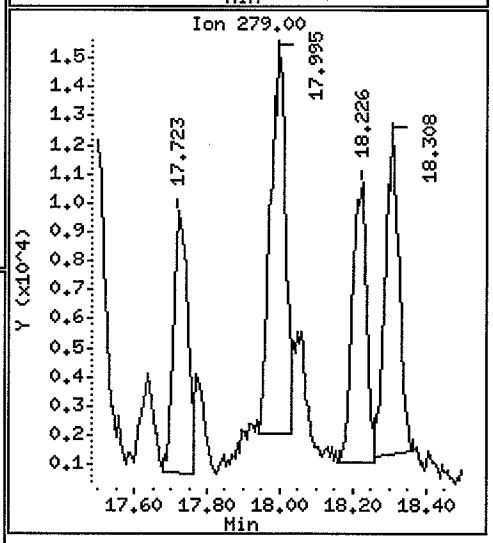












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

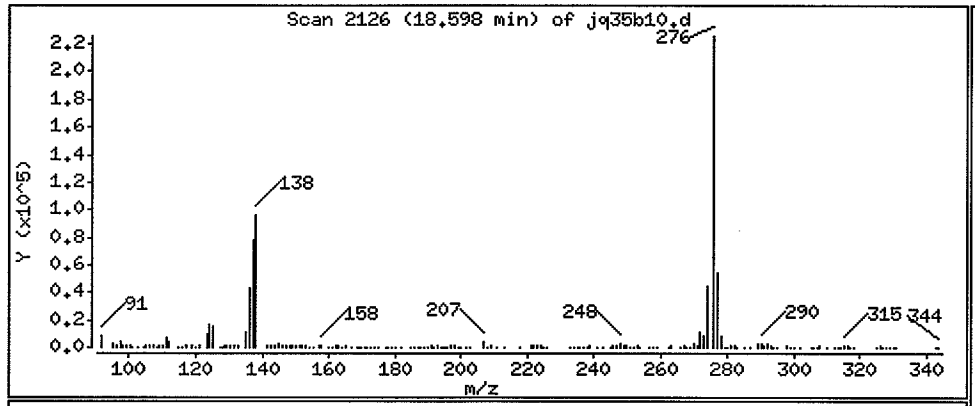
Operator: VTS

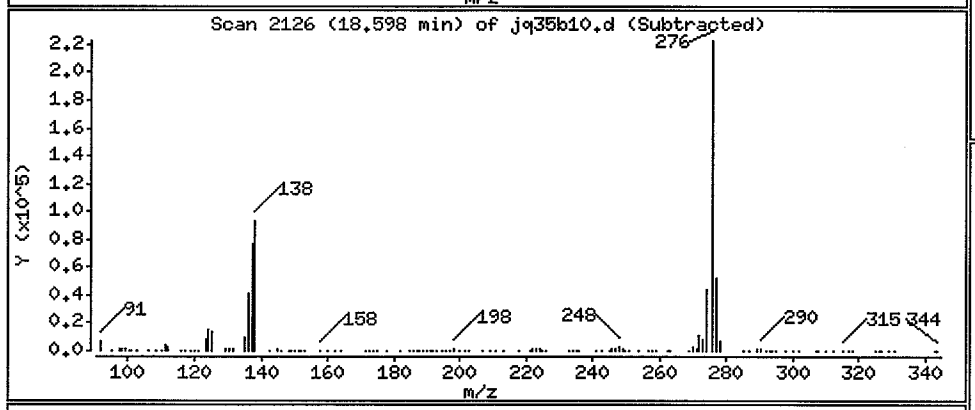
Column phase: ZB-5

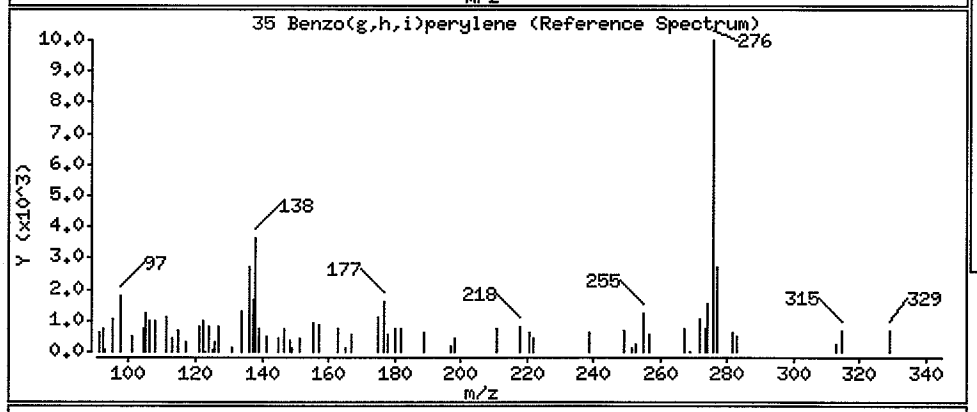
Column diameter: 0.25

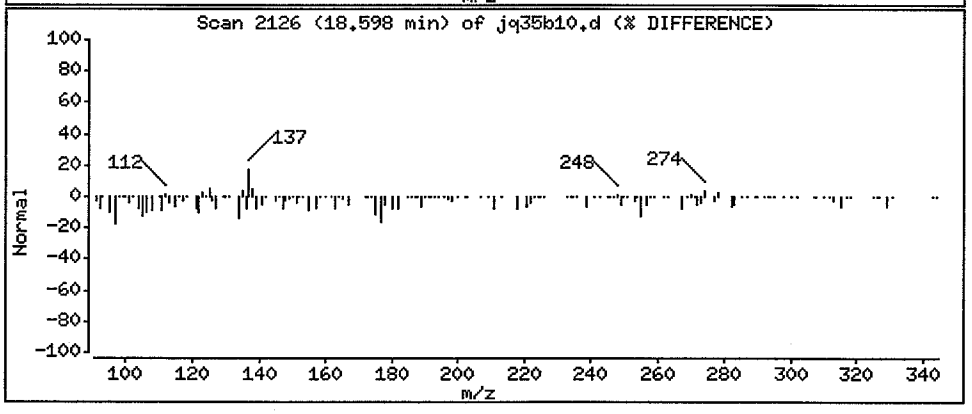
35 Benzo(g,h,i)perylene

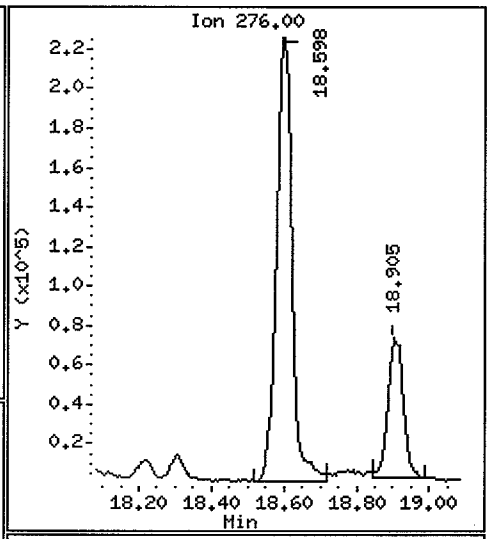
Concentration: 12270 ug/kg

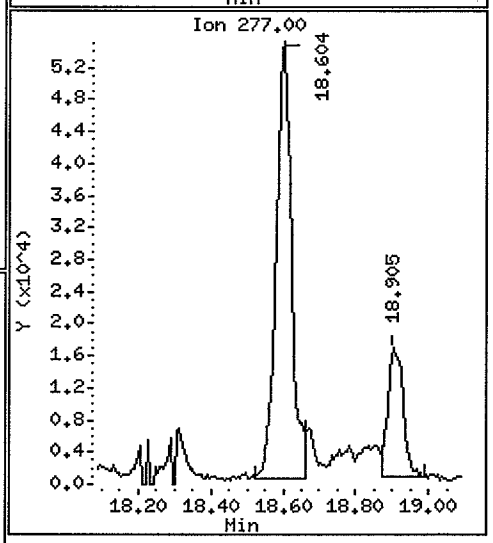












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

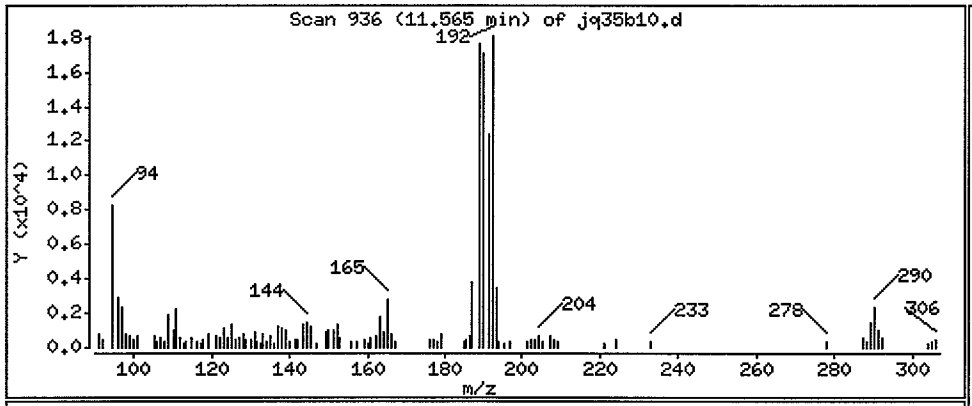
Operator: VTS

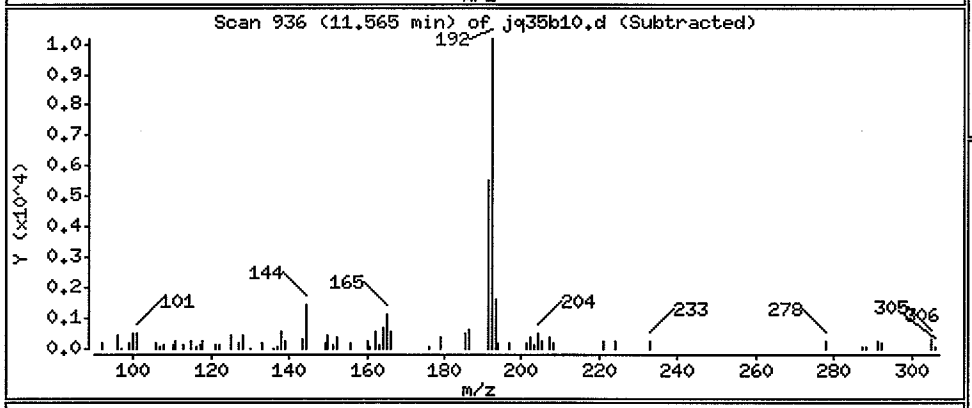
Column phase: ZB-5

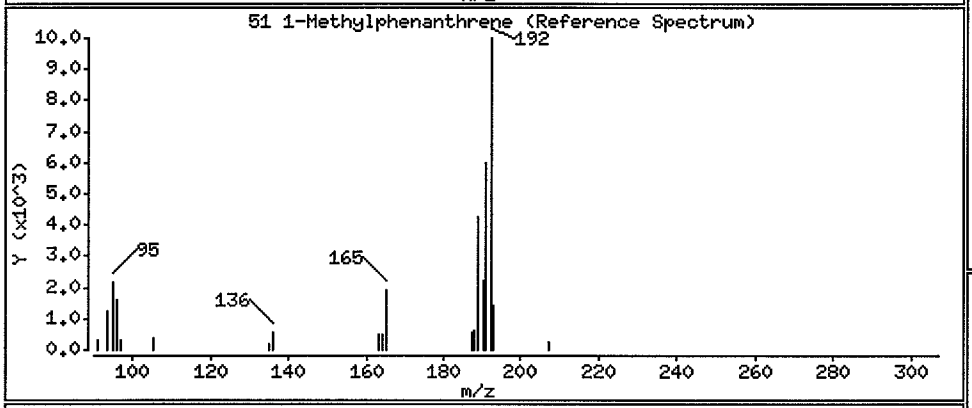
Column diameter: 0.25

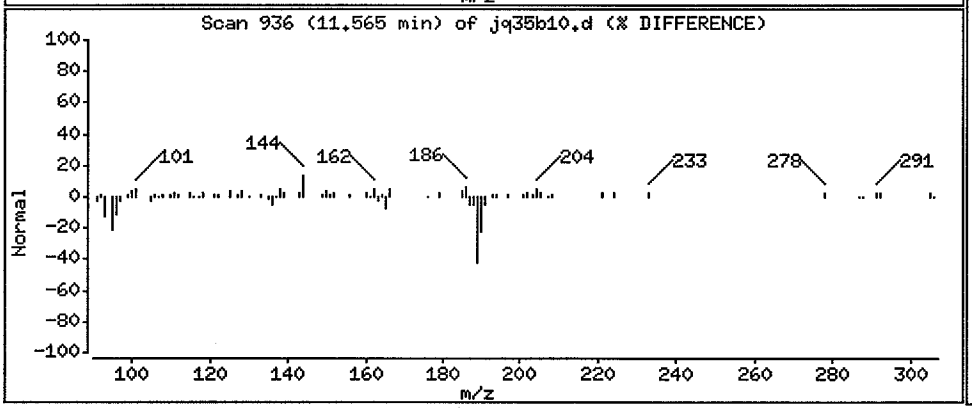
51 1-Methylphenanthrene

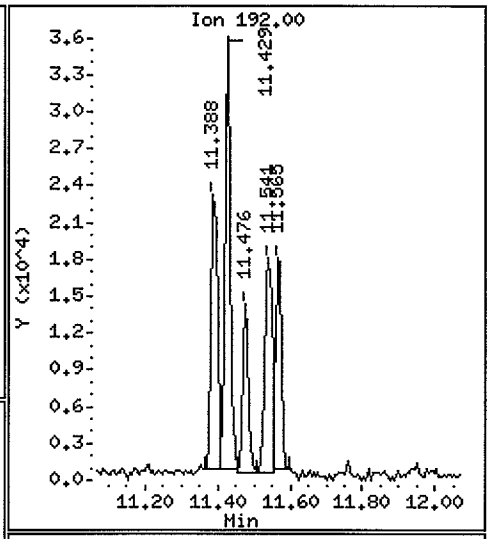
Concentration: 574.3 ug/kg

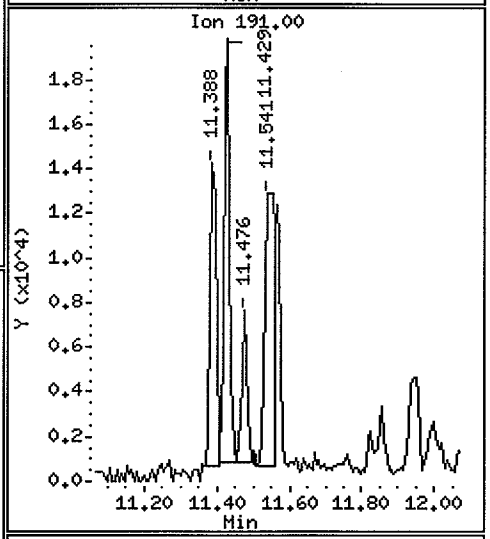


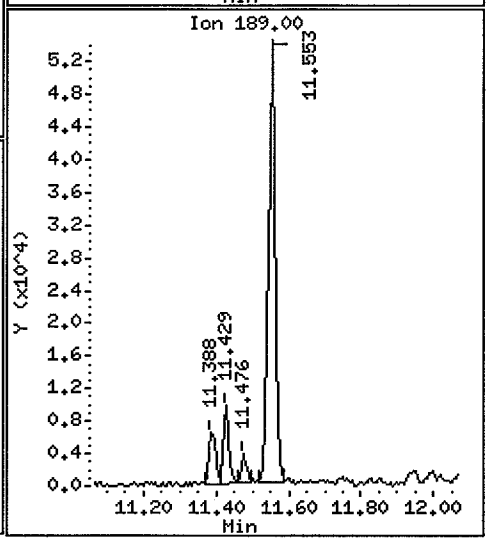












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

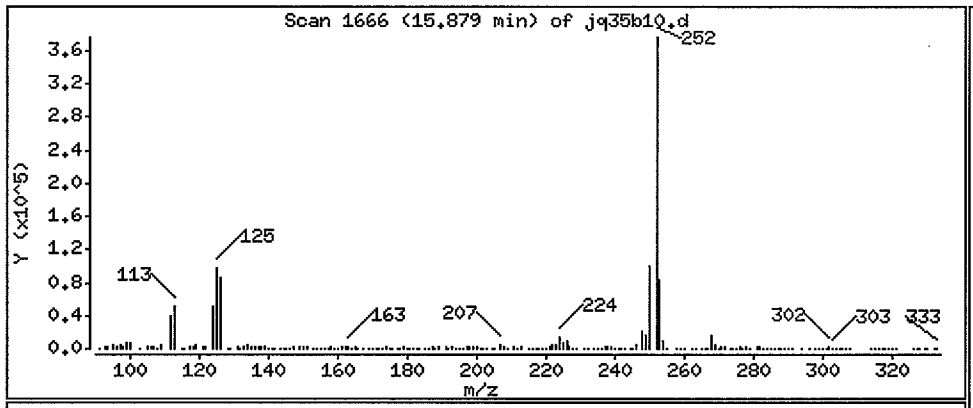
Operator: VTS

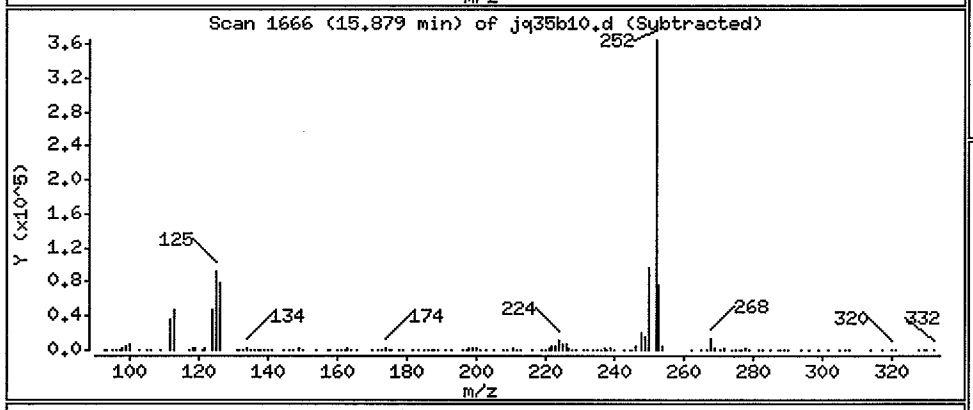
Column phase: ZB-5

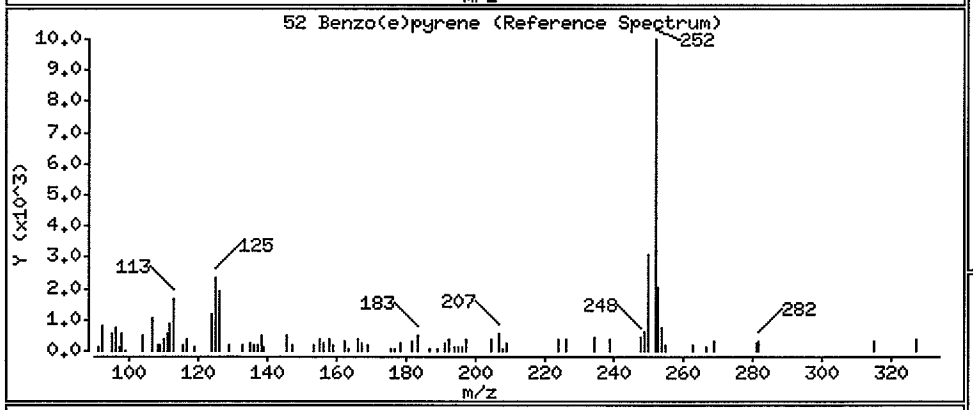
Column diameter: 0.25

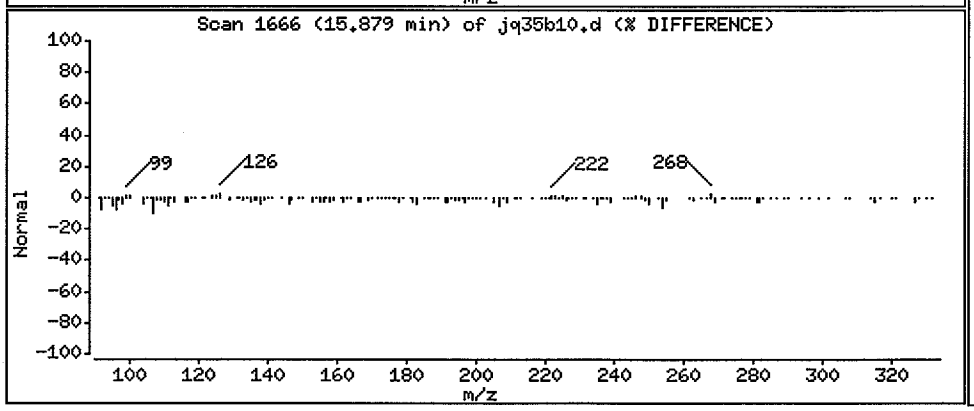
52 Benzo(e)pyrene

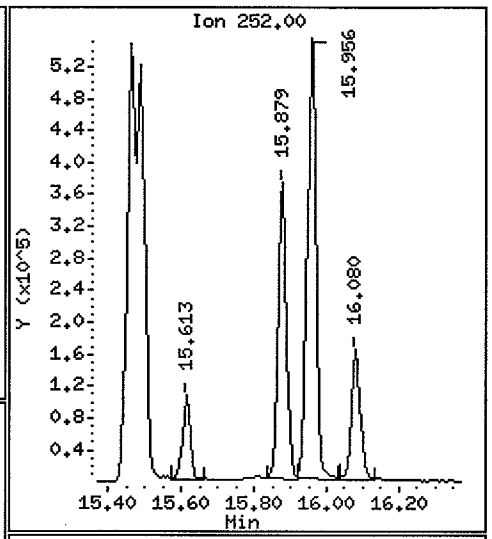
Concentration: 9763 ug/kg

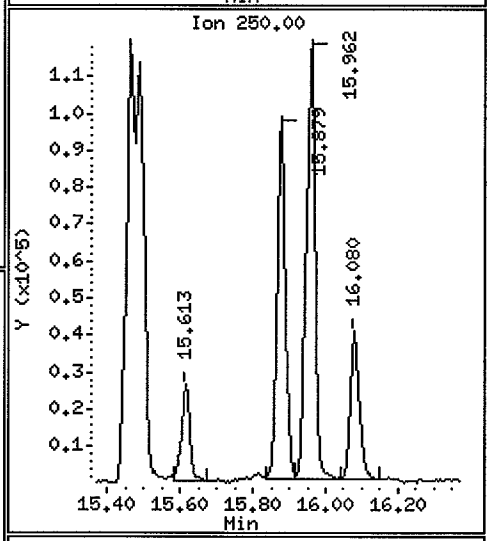


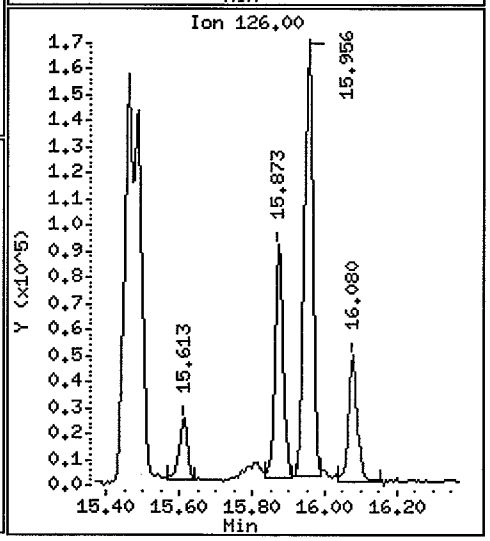












Data File: /chem3/nt1.i/20060807.b/jq35b10.d

Date : 07-AUG-2006 12:55

Client ID: T4-S3-02-D

Instrument: nt1.i

Sample Info: JQ35B,10

Volume Injected (uL): 1.0

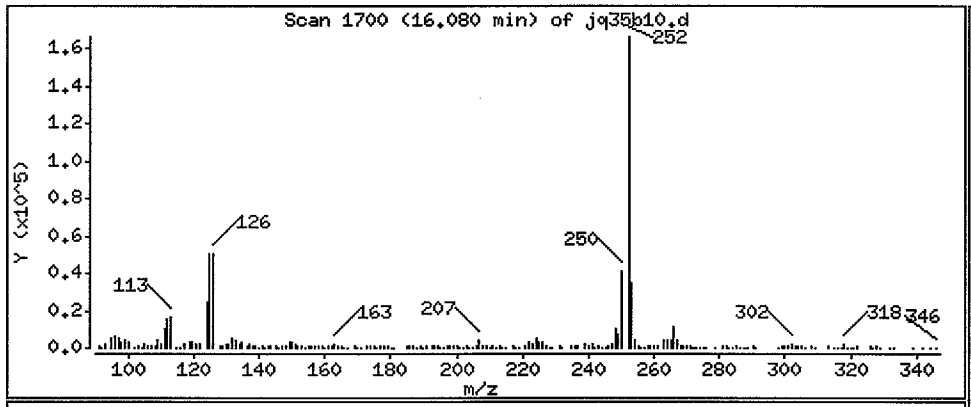
Operator: VTS

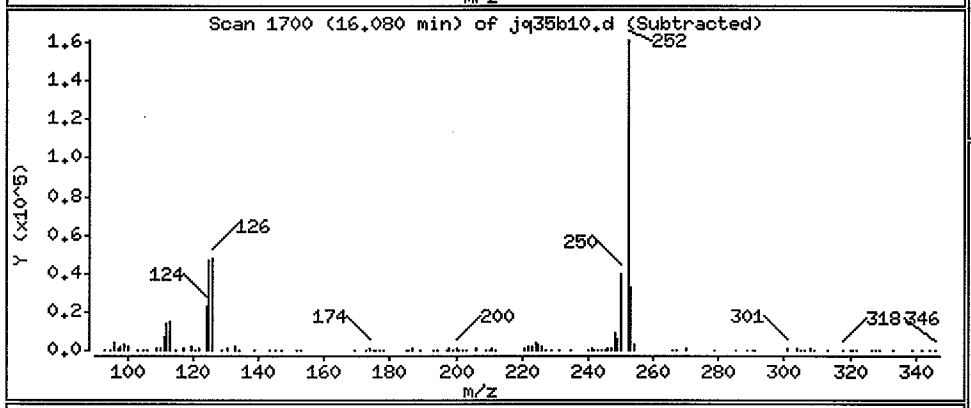
Column phase: ZB-5

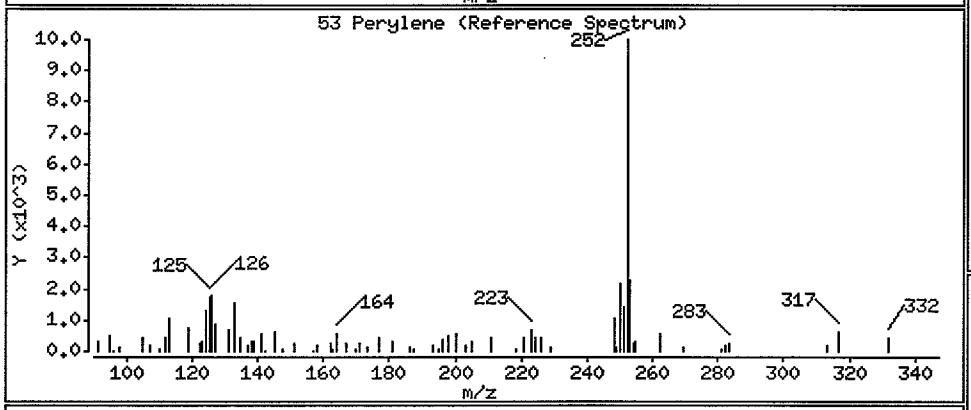
Column diameter: 0.25

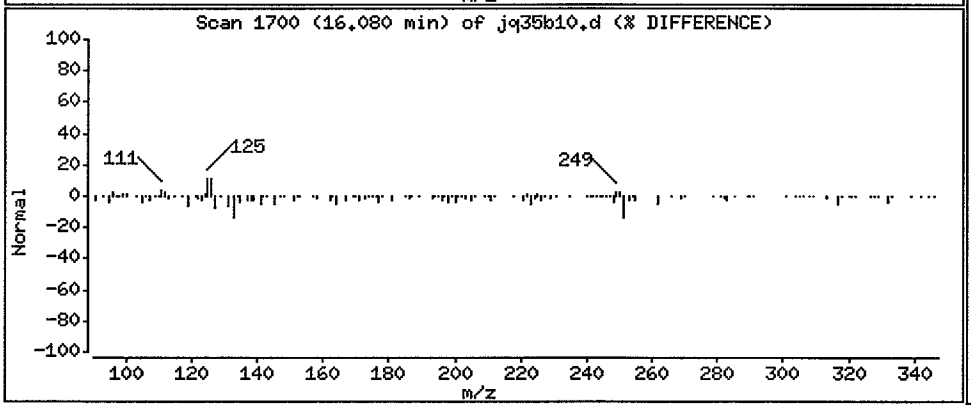
53 Perylene

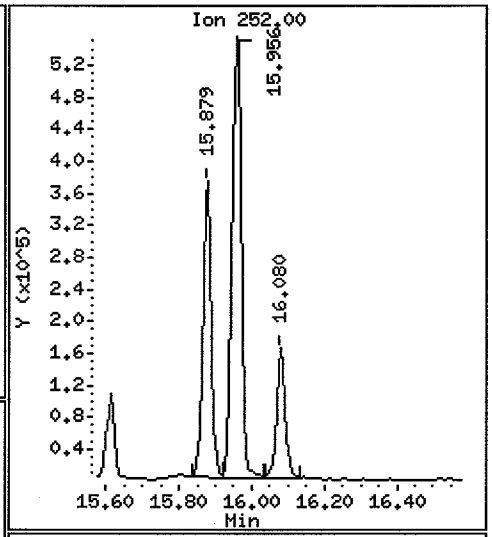
Concentration: 4704 ug/kg

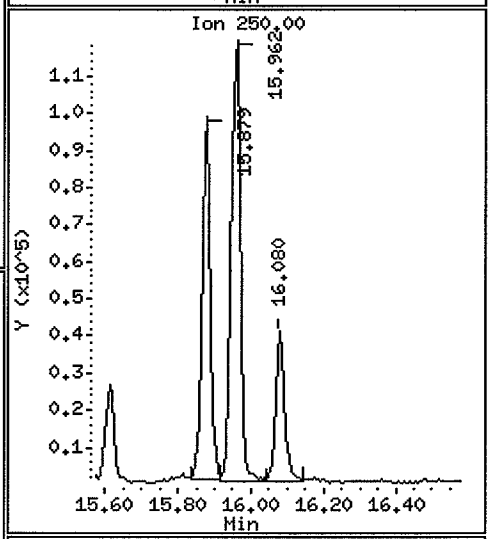


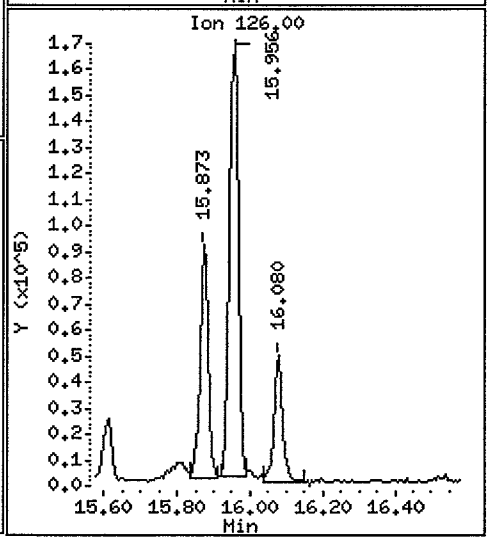












ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-02-E
SAMPLE

Lab Sample ID: JQ35C
LIMS ID: 06-12958
Matrix: Sediment
Data Release Authorized: VB
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 13:19
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 2.44 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 39.1%
pH: 6.8

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**200**	**530**
91-57-6	**2-Methylnaphthalene**	**200**	**220**
90-12-0	1-Methylnaphthalene	200	< 200 U
208-96-8	Acenaphthylene	200	< 200 U
83-32-9	**Acenaphthene**	**200**	**2,400**
86-73-7	**Fluorene**	**200**	**1,000**
85-01-8	**Phenanthrene**	**200**	**8,300**
120-12-7	**Anthracene**	**200**	**1,900**
206-44-0	**Fluoranthene**	**200**	**19,000**
129-00-0	**Pyrene**	**200**	**16,000**
56-55-3	**Benzo(a)anthracene**	**200**	**12,000**
218-01-9	**Chrysene**	**200**	**14,000**
205-99-2	**Benzo(b)fluoranthene**	**200**	**15,000**
207-08-9	**Benzo(k)fluoranthene**	**200**	**12,000**
50-32-8	**Benzo(a)pyrene**	**200**	**15,000**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**200**	**9,300**
53-70-3	**Dibenz(a,h)anthracene**	**200**	**3,100**
191-24-2	**Benzo(g,h,i)perylene**	**200**	**11,000**
198-55-0	**Perylene**	**200**	**4,200**
92-52-4	Biphenyl	200	< 200 U
581-42-0	2,6-Dimethylnaphthalene	200	< 200 U
832-69-9	**1-Methylphenanthrene**	**200**	**510**
192-97-2	**Benzo(e)pyrene**	**200**	**9,000**
2245-38-7	2,3,5-Trimethylnaphthalene	200	< 200 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	64.7%
d14-Dibenzo(a,h)anthracen	95.3%

FORM I

YZ 8/9/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq35c10.d
Lab Smp Id: JQ35C Client Smp ID: T4-S3-02-E
Inj Date : 07-AUG-2006 13:19
Operator : VTS Inst ID: nt1.i
Smp Info : JQ35C,10
Misc Info : 06-12958
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: 6
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	4.01000	Weight of sample extracted (g)
M	39.10000	% 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	6.890	6.891	(1.000)	255309	2.00000	
2 Naphthalene	128	6.913	6.915	(1.003)	32479	0.25504	522.2
$ 3 2-Methylnaphthalene-d10	152	7.646	7.648	(1.110)	12748	0.19386	396.9
4 2-Methylnaphthalene	142	7.687	7.683	(1.116)	8279	0.10978	224.8
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.952	8.954	(1.000)	135507	2.00000	
9 Acenaphthene	153	8.994	8.989	(1.005)	78425	1.17868	2413
10 Dibenzofuran	168	9.177	9.178	(1.025)	17141	0.17490	358.1
11 Fluorene	166	9.602	9.604	(1.073)	39275	0.51477	1054
* 15 Phenanthrene-d10	188	10.767	10.762	(1.000)	230694	2.00000	
16 Phenanthrene	178	10.796	10.792	(1.003)	482150	4.07181	8337
17 Anthracene	178	10.849	10.851	(1.008)	107916	0.91197	1867
19 Fluoranthene	202	12.291	12.287	(1.142)	1100783	9.11419	18660
20 Pyrene	202	12.581	12.577	(0.893)	1057334	8.06465	16510

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
22 Benzo(a)anthracene	228	14.059	14.054	(0.998)	695349	5.65546	11580
* 23 Chrysene-d12	240	14.082	14.078	(1.000)	204176	2.00000	
24 Chrysene	228	14.112	14.107	(1.002)	760684	6.70766	13730
28 Benzo(b)fluoranthene	252	15.459	15.455	(0.964)	925271	7.40094	15150
29 Benzo(k)fluoranthene	252	15.489	15.484	(0.966)	770168	5.77840	11830
30 Benzo(a)pyrene	252	15.956	15.951	(0.995)	906966	7.44510	15240
* 31 Perylene-d12	264	16.038	16.034	(1.000)	221520	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	18.012	18.002	(1.123)	632529	4.51505	9244
$ 32 Dibenz(a,h)anthrancene-d14	292	17.924	17.931	(1.118)	24211	0.28559	584.7
34 Dibenz(a,h)anthracene	278	17.995	17.996	(1.122)	173013	1.51174	3095
35 Benzo(g,h,i)perylene	276	18.598	18.581	(1.160)	615904	5.28883	10830
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	11.566	(0.821)	21169	0.25329	518.6
52 Benzo(e)pyrene	252	15.879	15.869	(0.990)	590100	4.37612	8960
53 Perylene	252	16.080	16.075	(1.003)	262530	2.07353	4245

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq35c10.d
Lab Smp Id: JQ35C
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12958

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-02-E
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	255309	10.50
8 Acenaphthene-d10	129131	64566	258262	135507	4.94
15 Phenanthrene-d10	212850	106425	425700	230694	8.38
23 Chrysene-d12	190817	95408	381634	204176	7.00
31 Perylene-d12	197592	98796	395184	221520	12.11

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	16.04	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

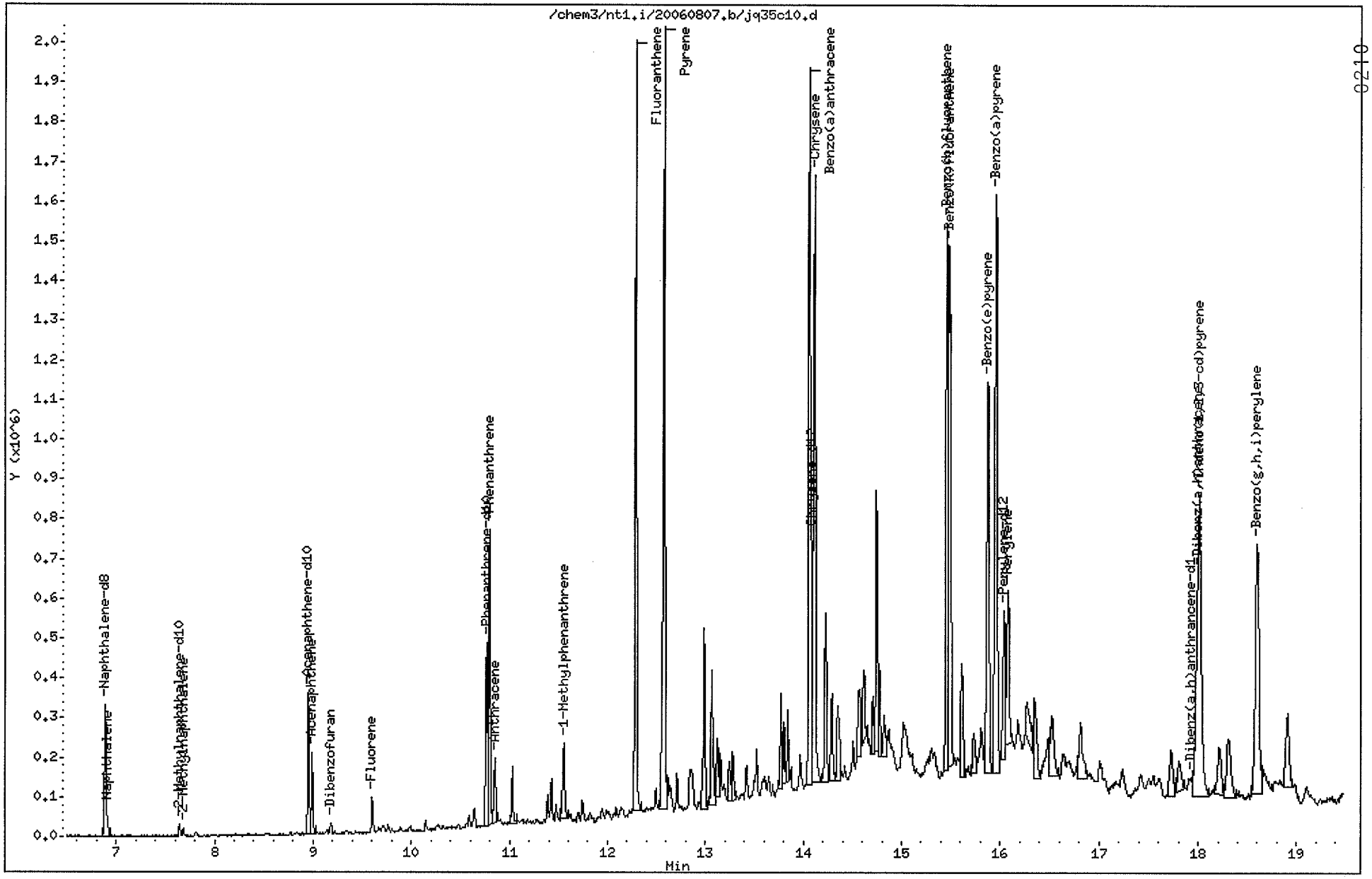
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35C
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12958

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-02-E
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	614.2	396.9	64.62	32-97
$ 32 Dibenz(a,h)anthran	614.2	584.7	95.20	21-105

Data File: /chem3/nt1.i/20060807.b/jq35c10.d
Date : 07-AUG-2006 13:19
Client ID: T4-S3-02-E
Sample Info: JQ35C,10
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0210

Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

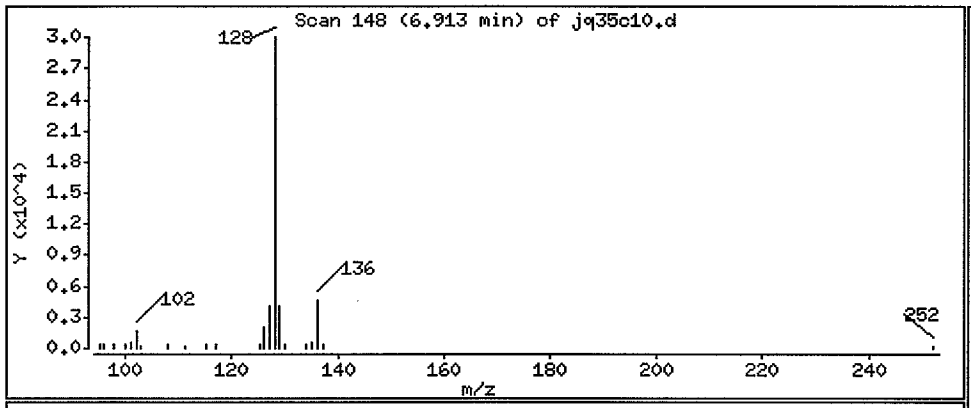
Operator: VTS

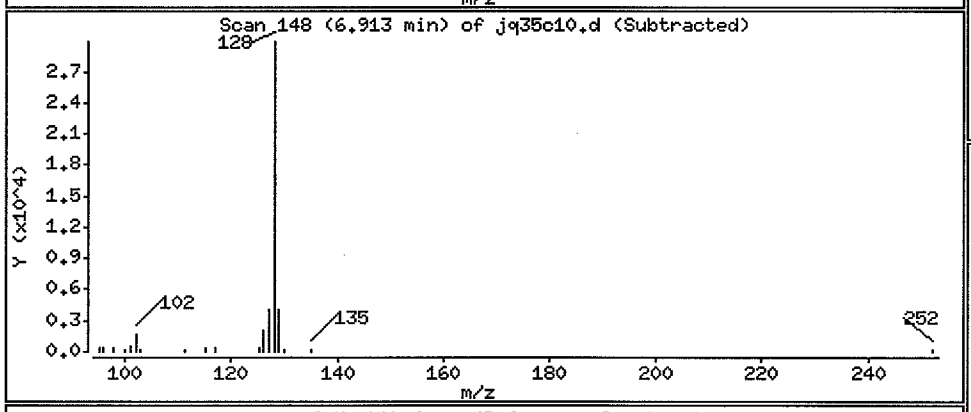
Column phase: ZB-5

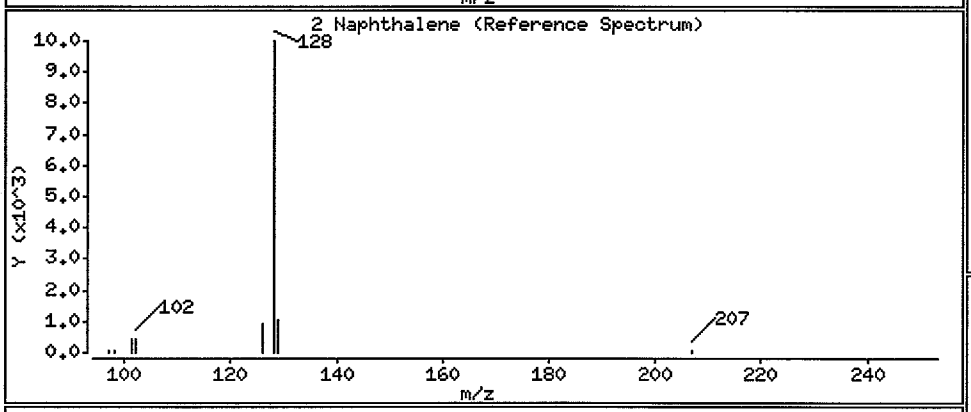
Column diameter: 0.25

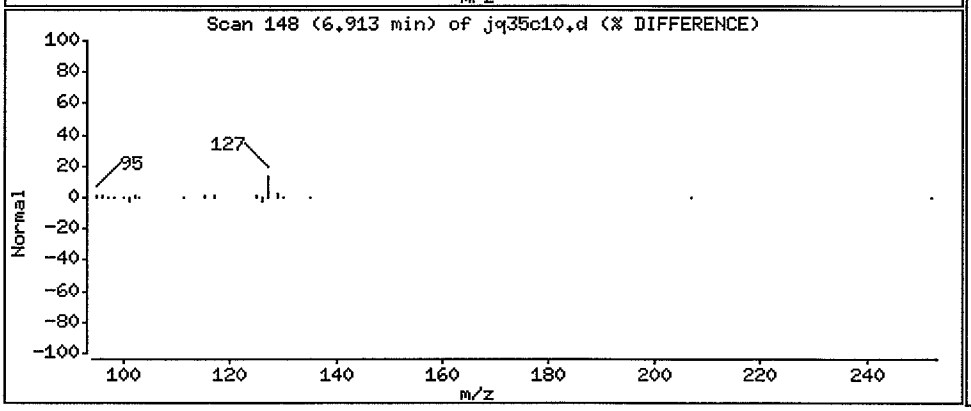
2 Naphthalene

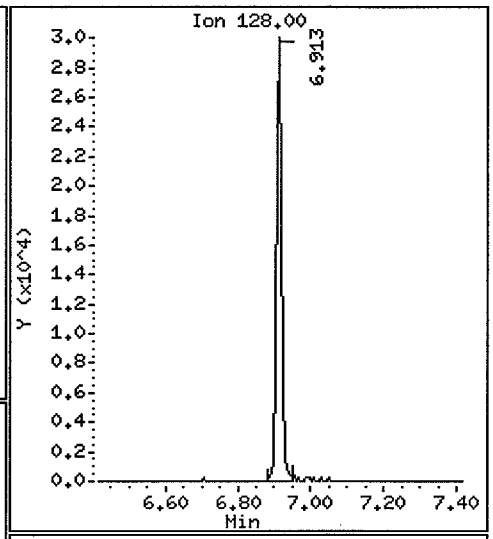
Concentration: 522.2 ug/kg

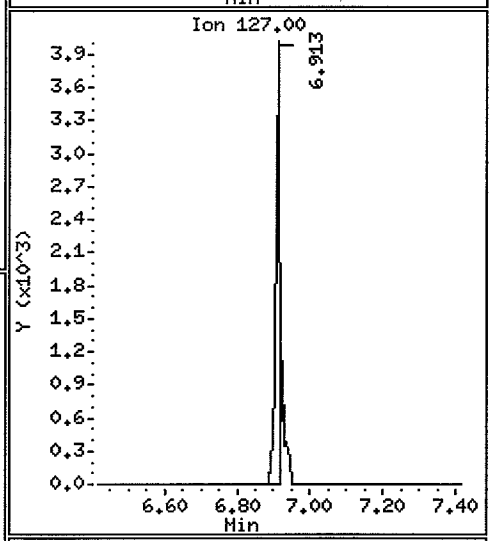


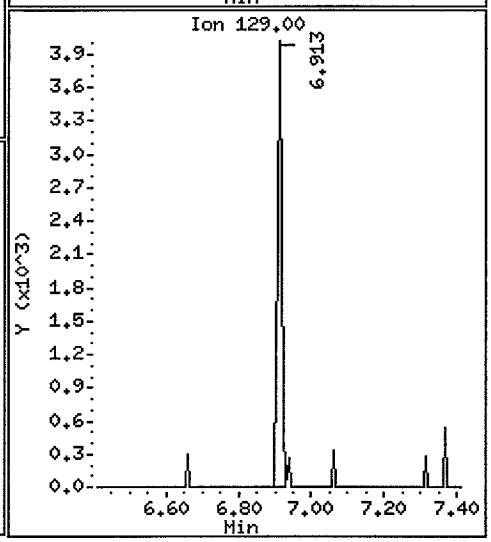












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

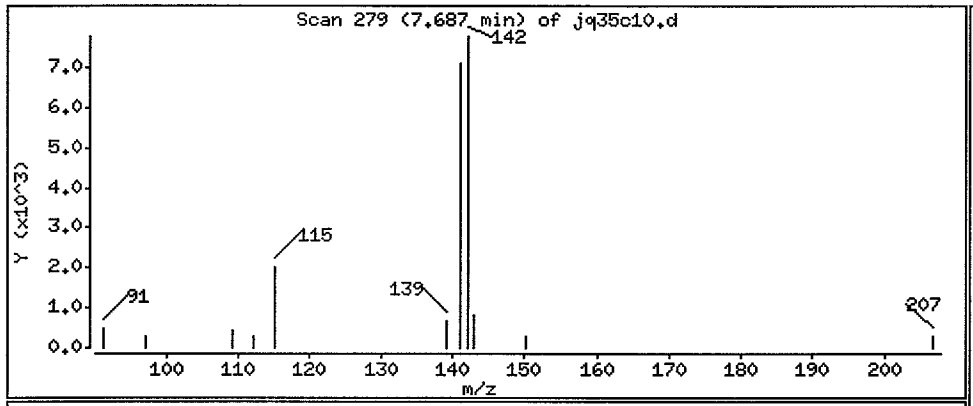
Operator: VTS

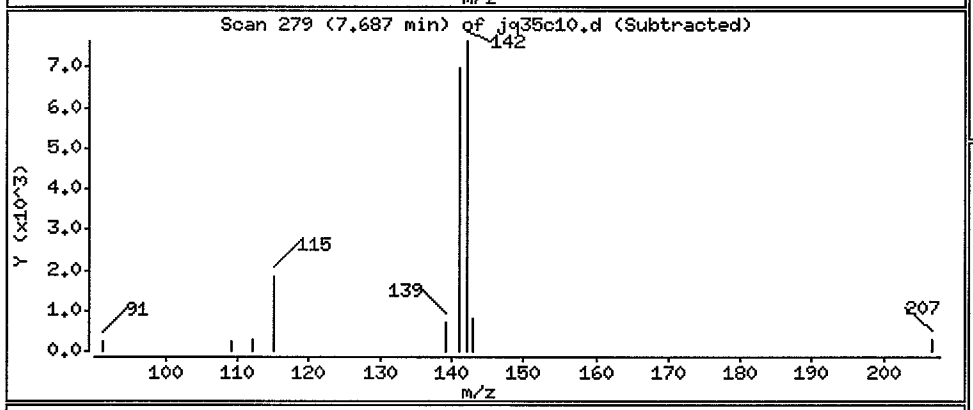
Column phase: ZB-5

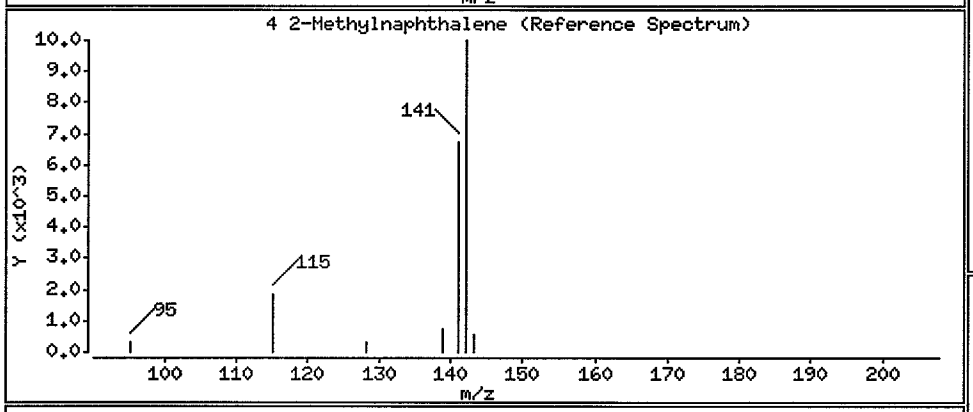
Column diameter: 0.25

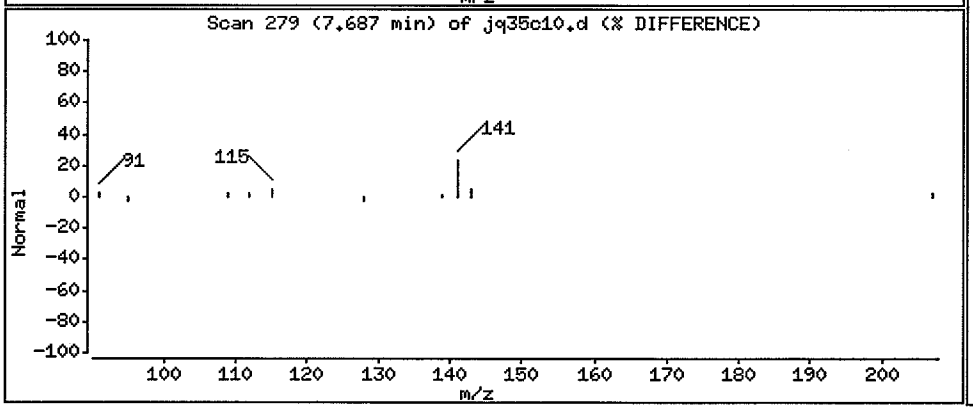
4 2-Methylnaphthalene

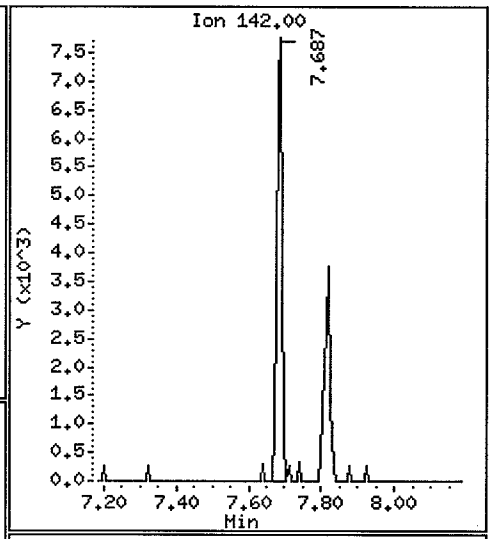
Concentration: 224.8 ug/kg

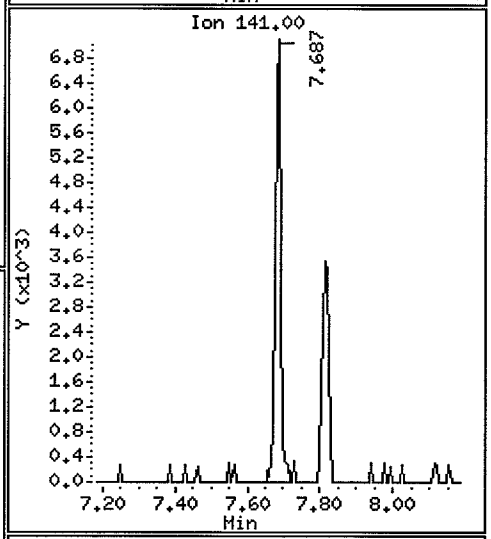


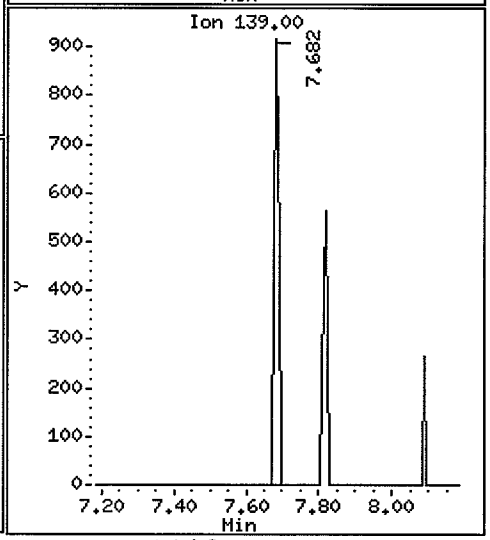












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

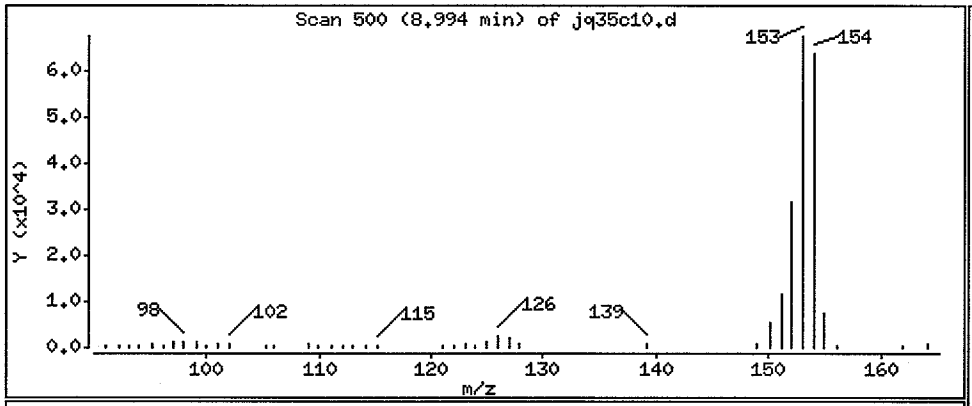
Operator: VTS

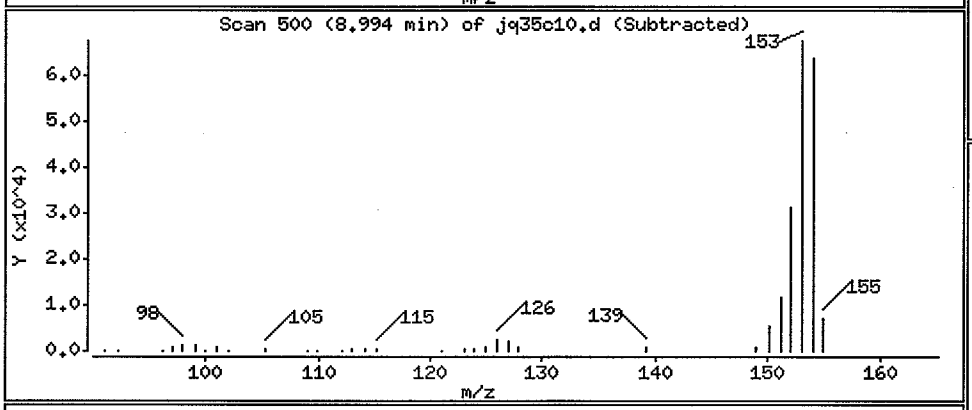
Column phase: ZB-5

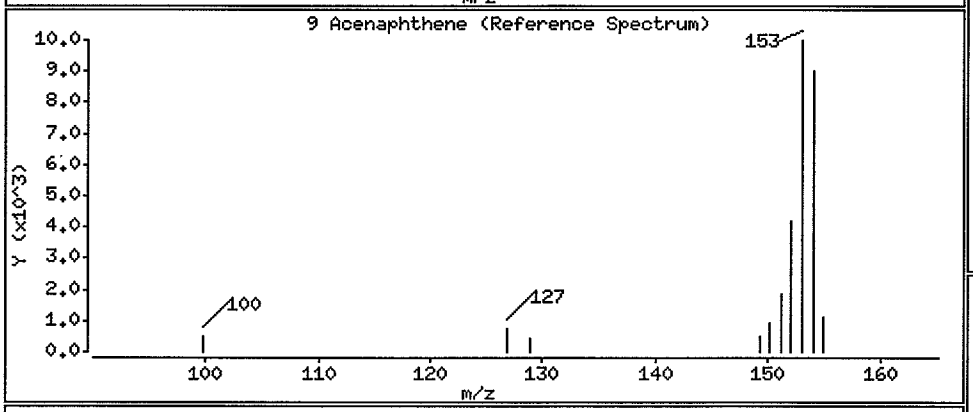
Column diameter: 0.25

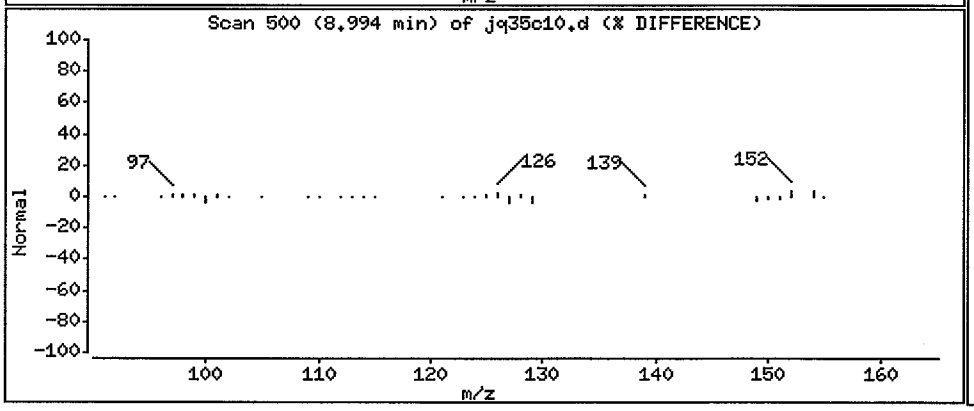
9 Acenaphthene

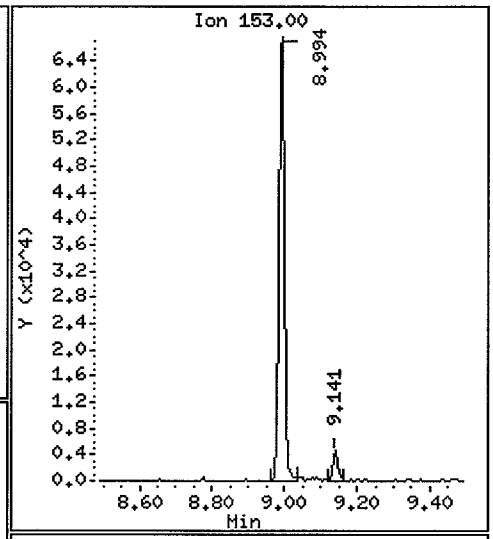
Concentration: 2413 ug/kg

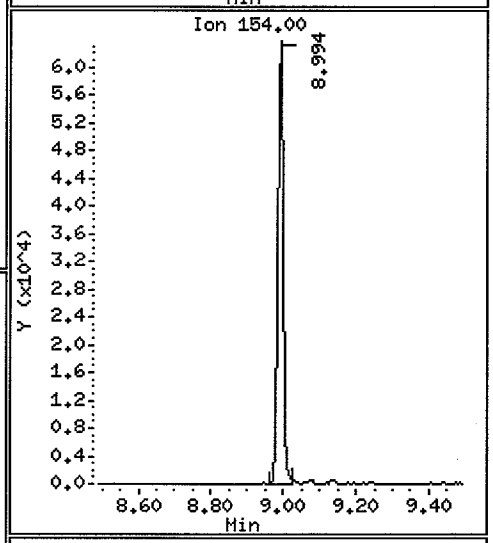


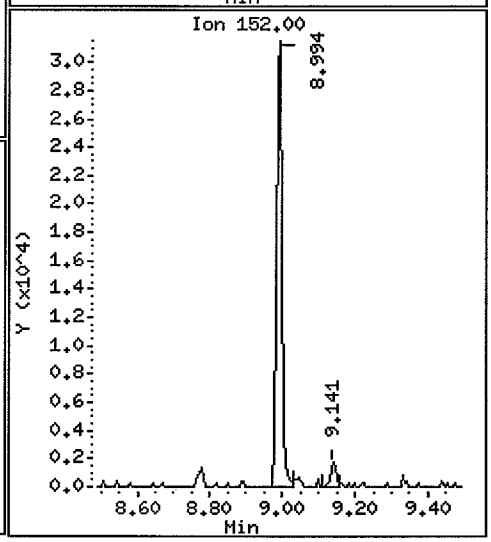












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

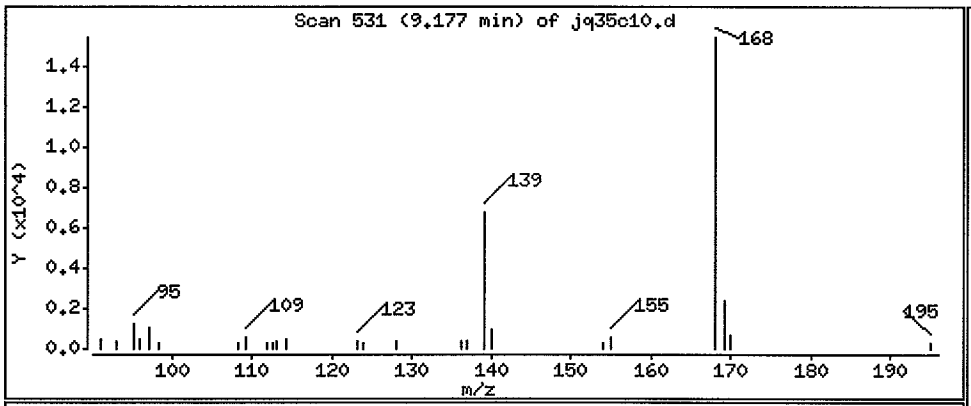
Operator: VTS

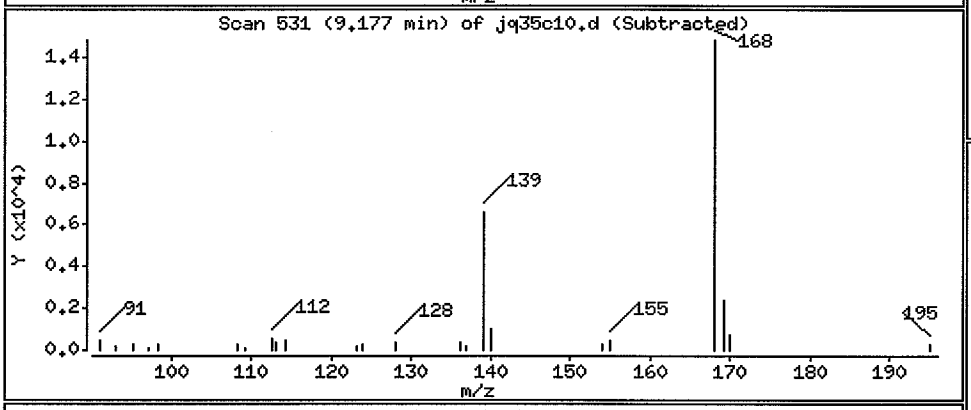
Column phase: ZB-5

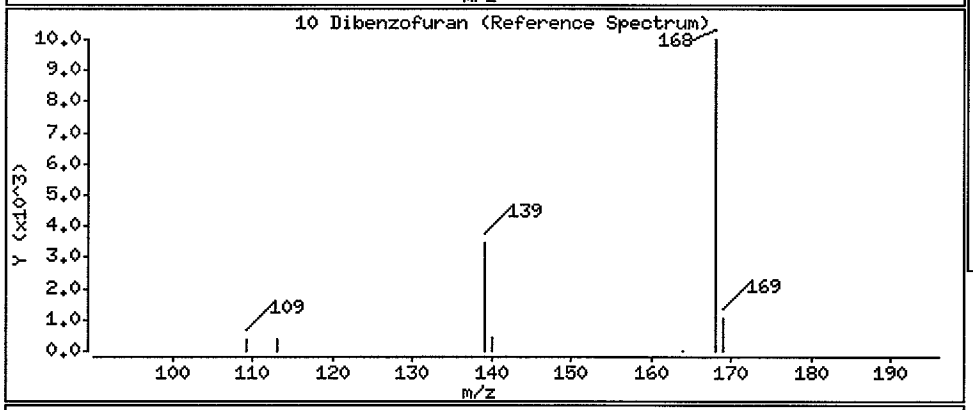
Column diameter: 0.25

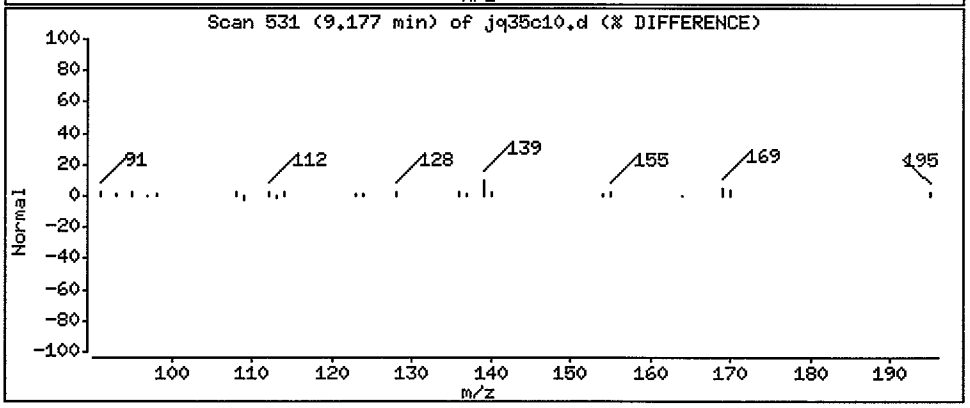
10 Dibenzofuran

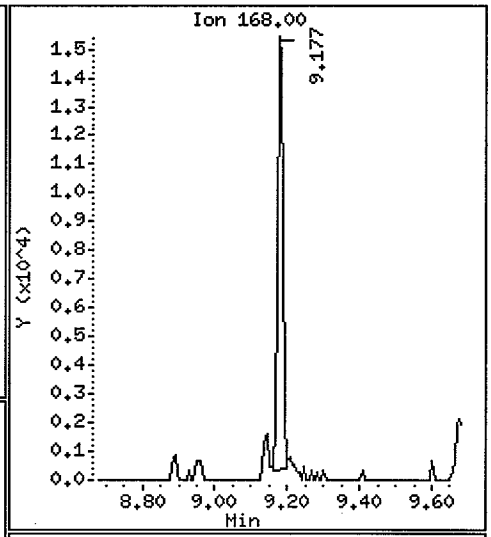
Concentration: 358.1 ug/kg

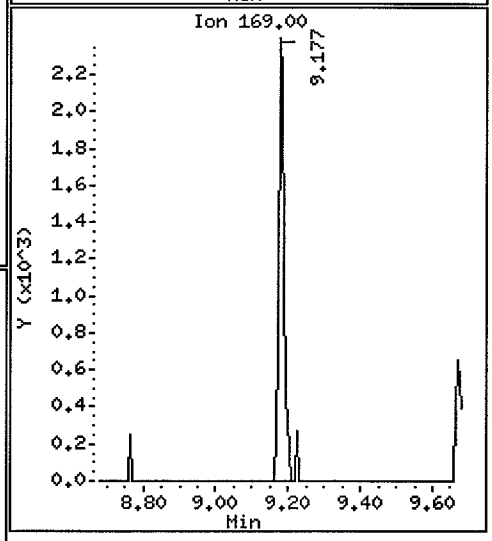












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

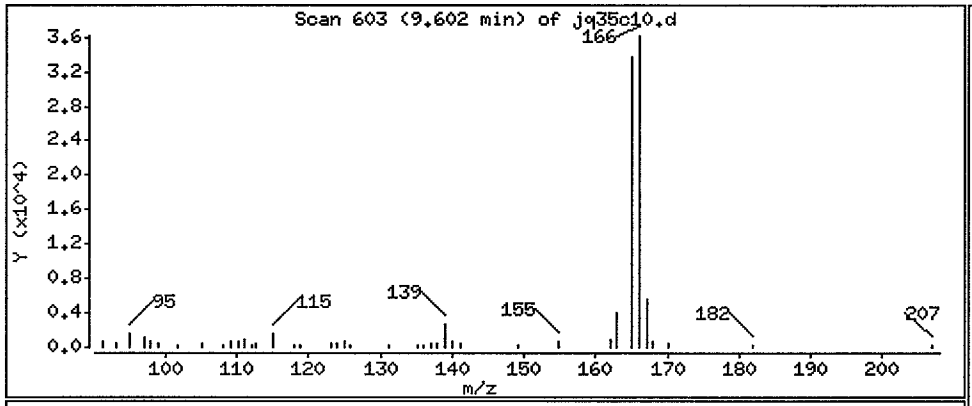
Operator: VTS

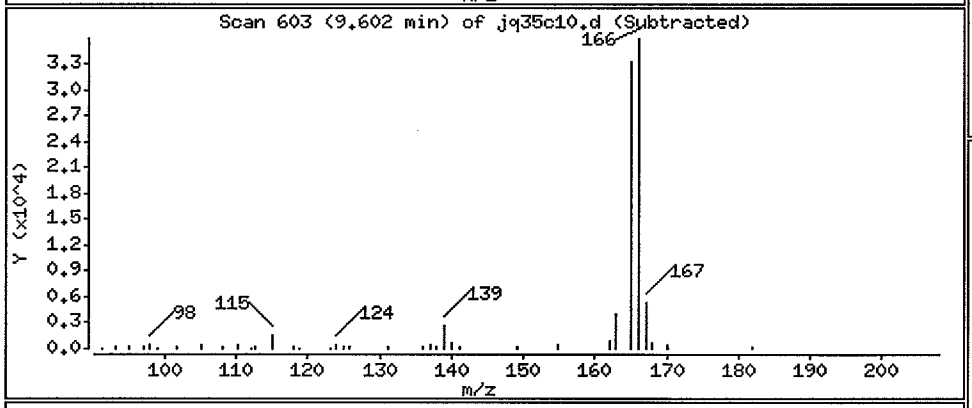
Column phase: ZB-5

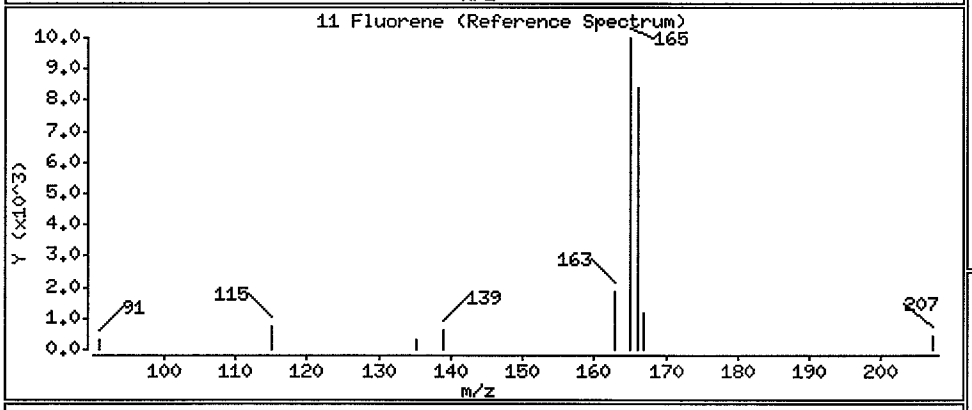
Column diameter: 0.25

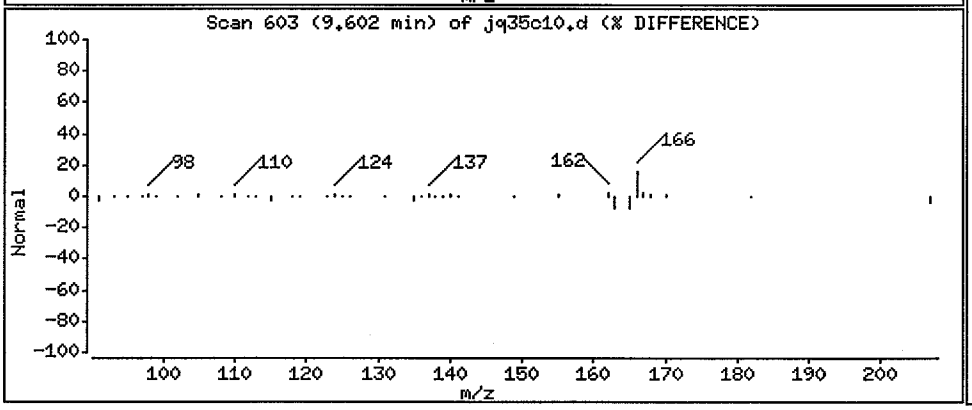
11 Fluorene

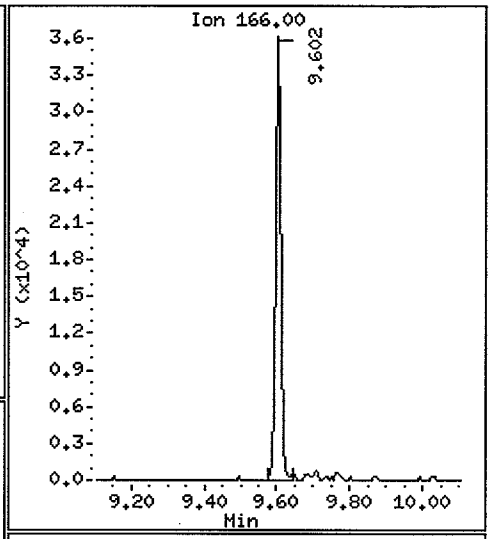
Concentration: 1054 ug/kg

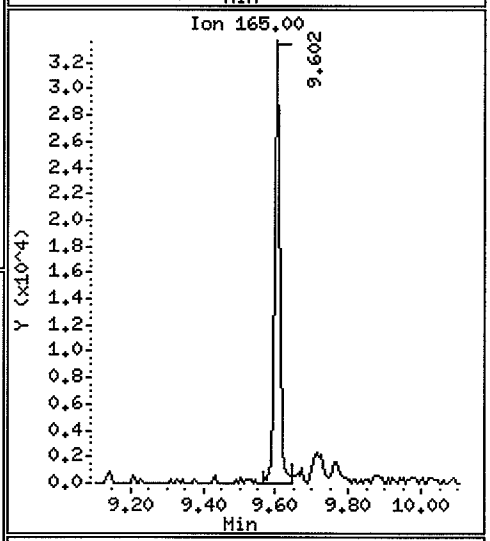


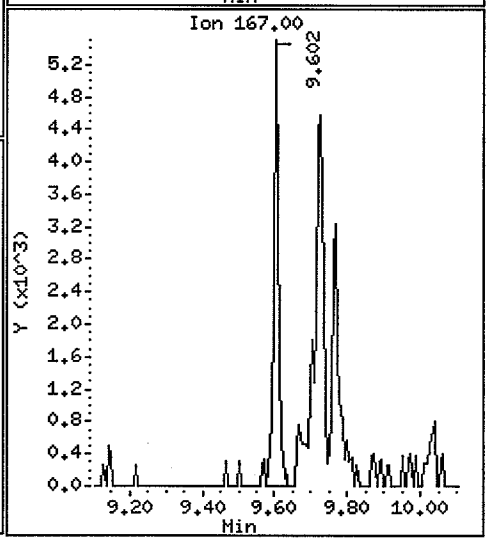












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

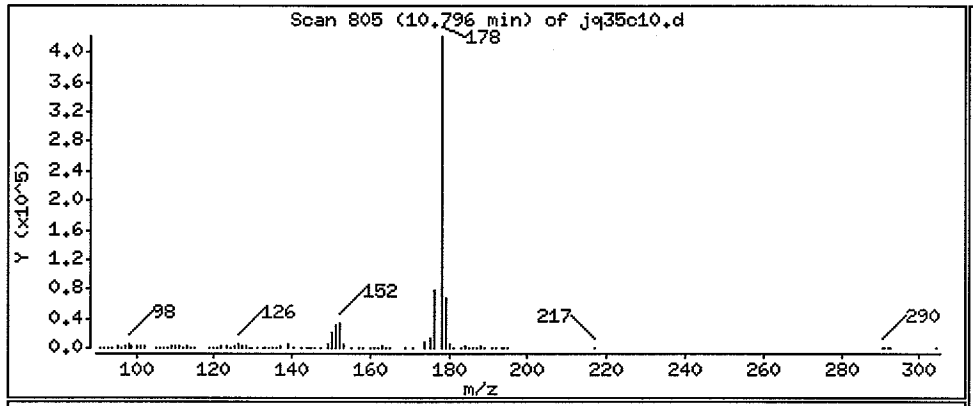
Operator: VTS

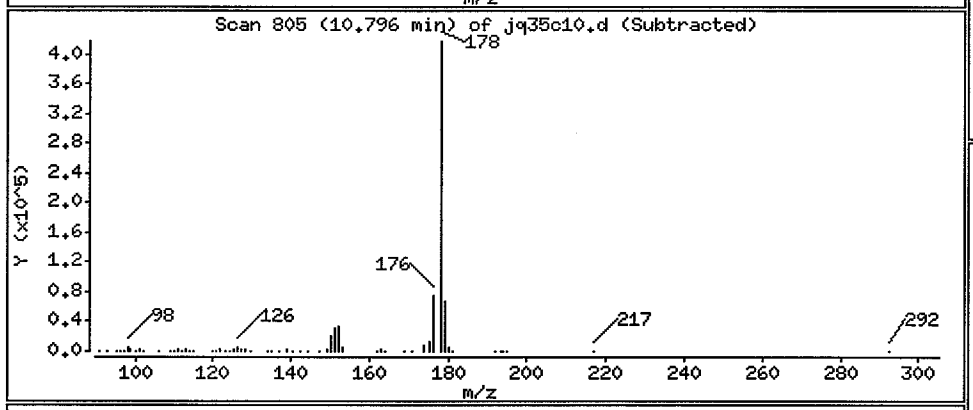
Column phase: ZB-5

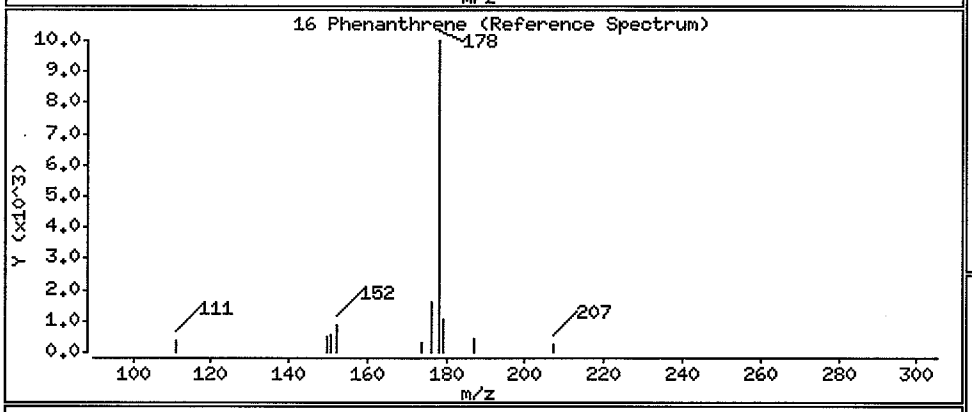
Column diameter: 0.25

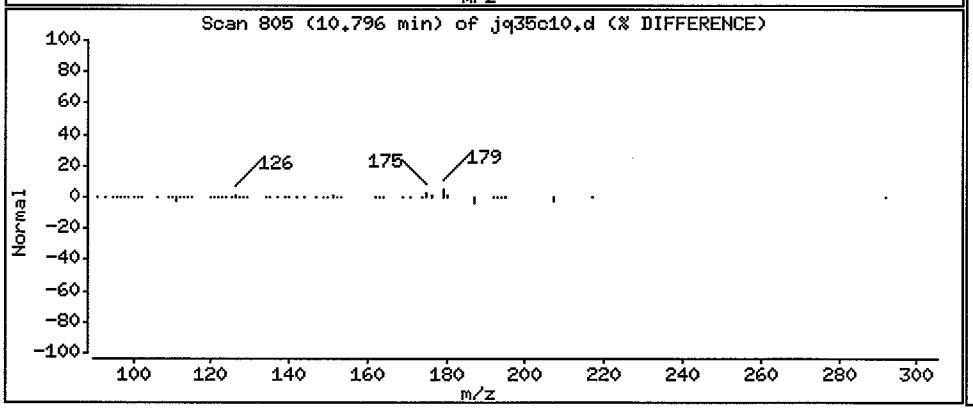
16 Phenanthrene

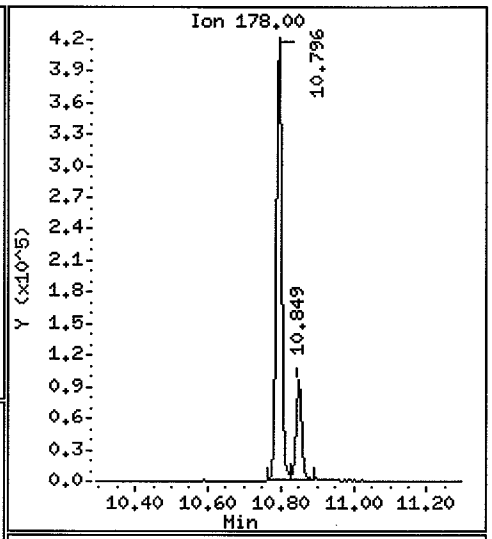
Concentration: 8337 ug/kg

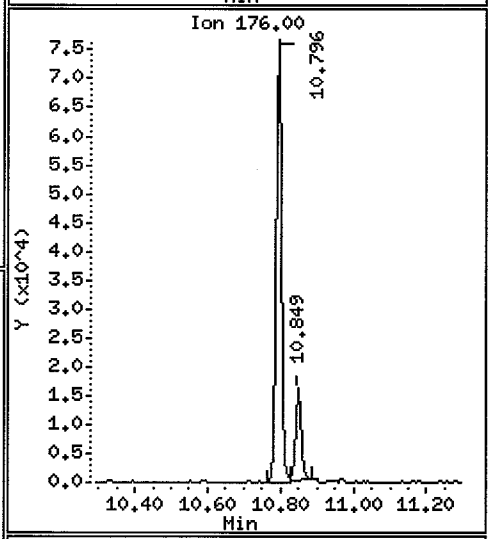


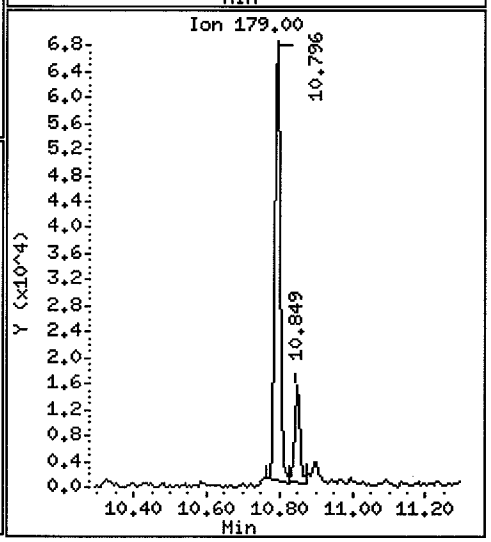












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

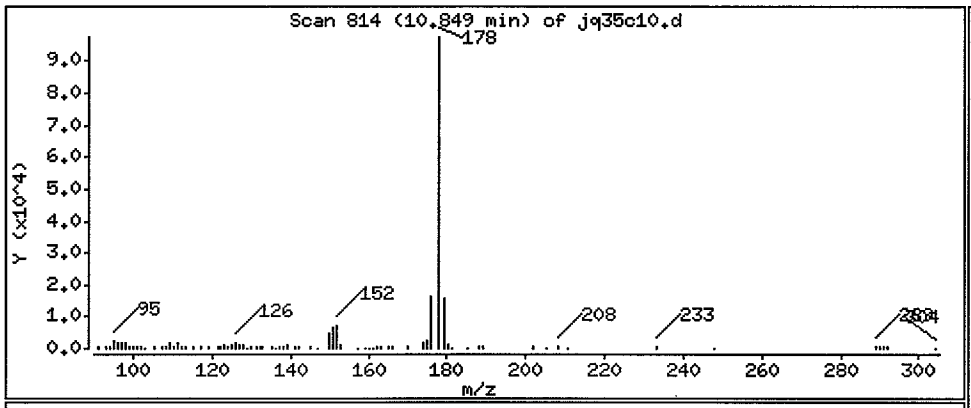
Operator: VTS

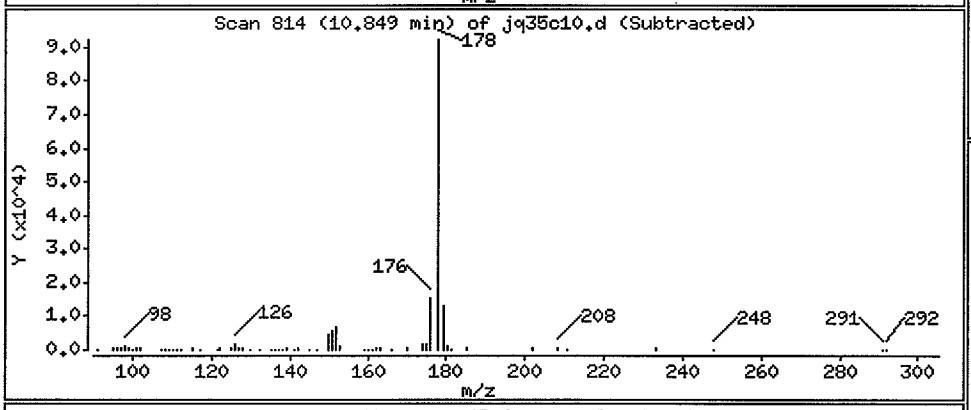
Column phase: ZB-5

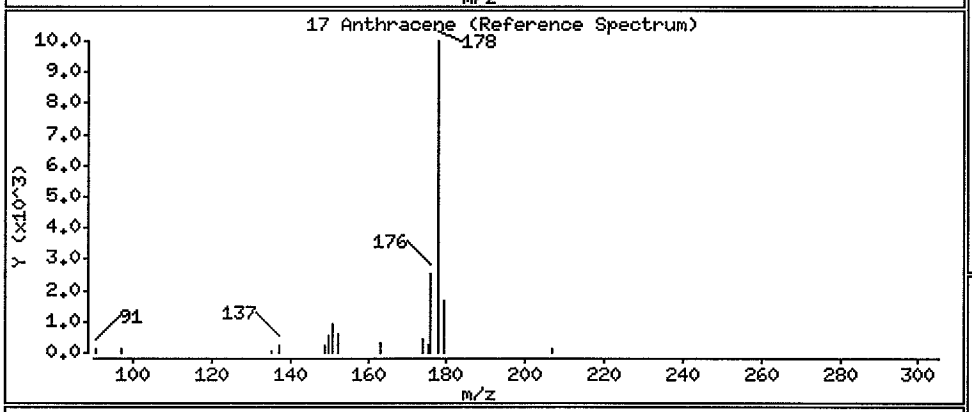
Column diameter: 0.25

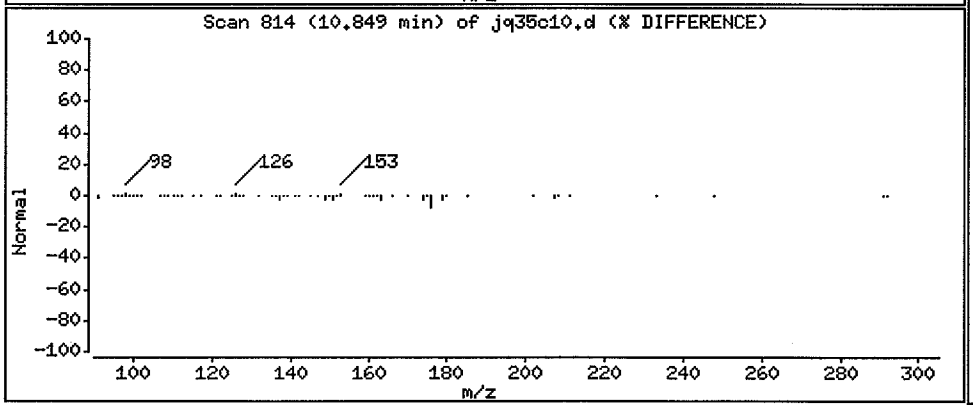
17 Anthracene

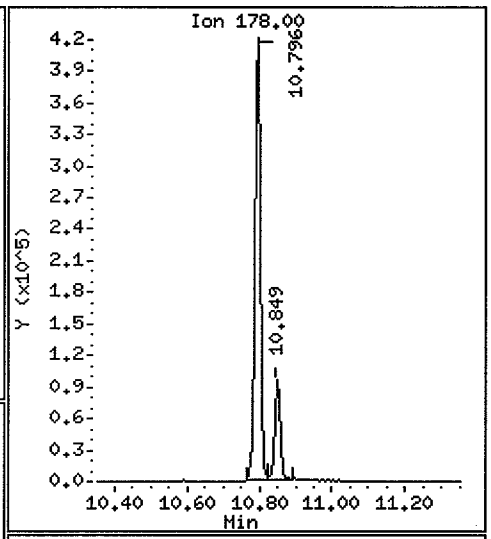
Concentration: 1867 ug/kg

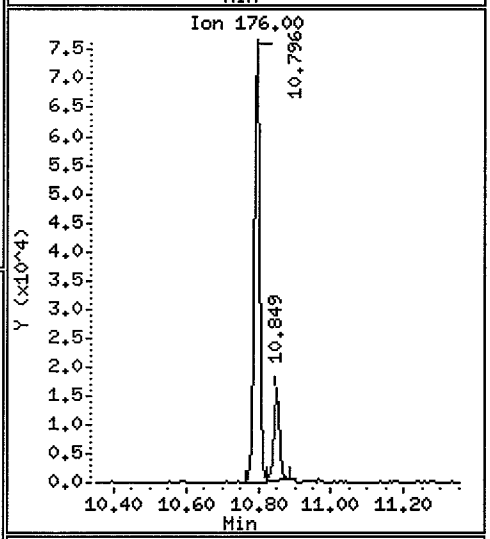


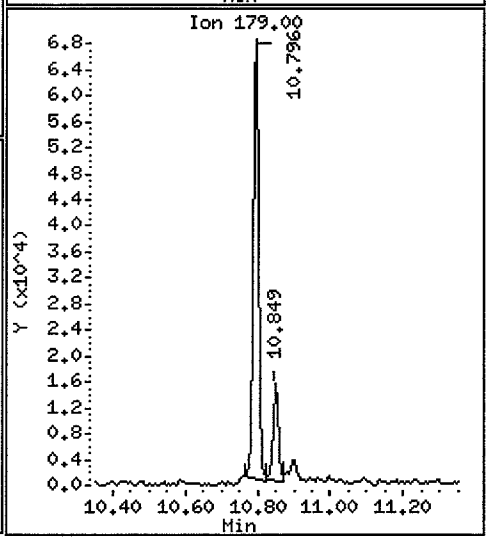












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

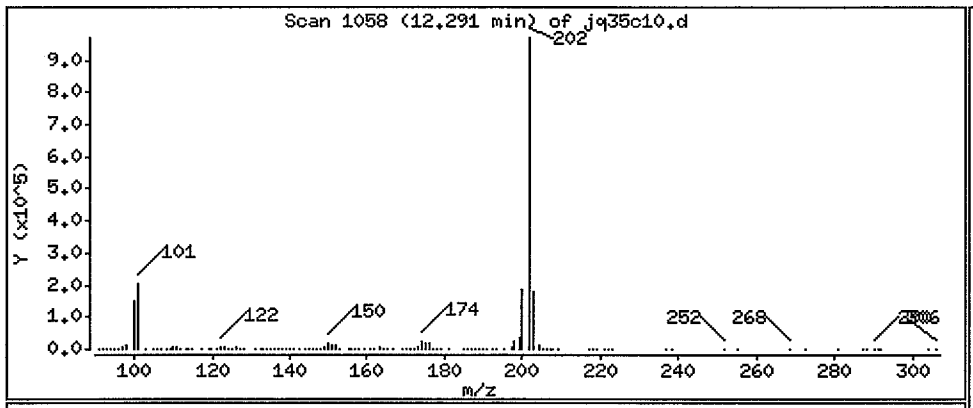
Operator: VTS

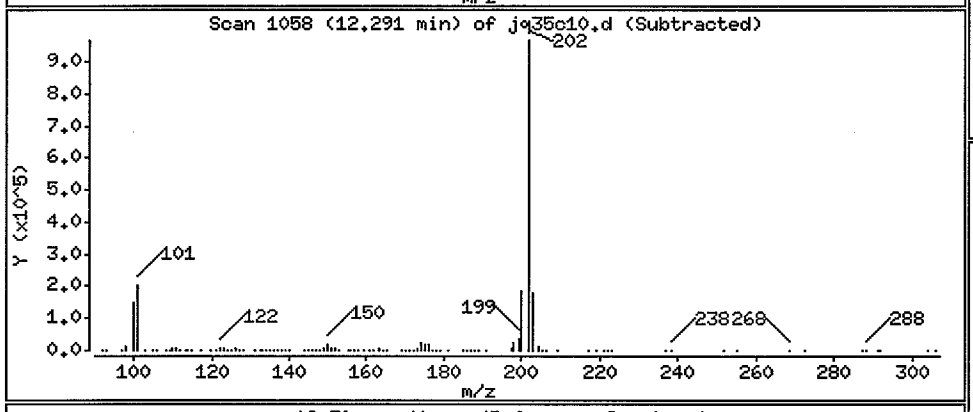
Column phase: ZB-5

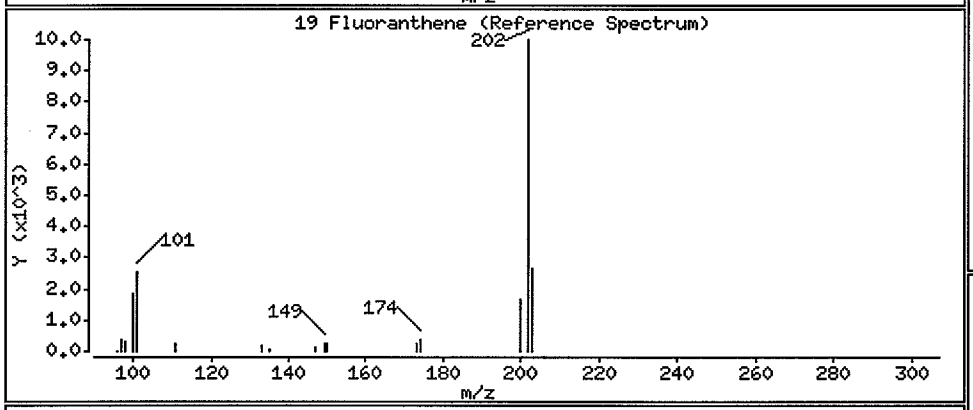
Column diameter: 0.25

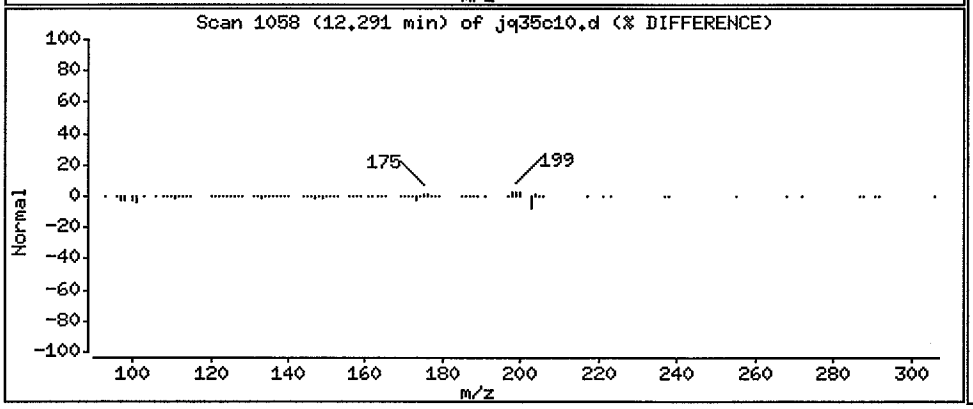
19 Fluoranthene

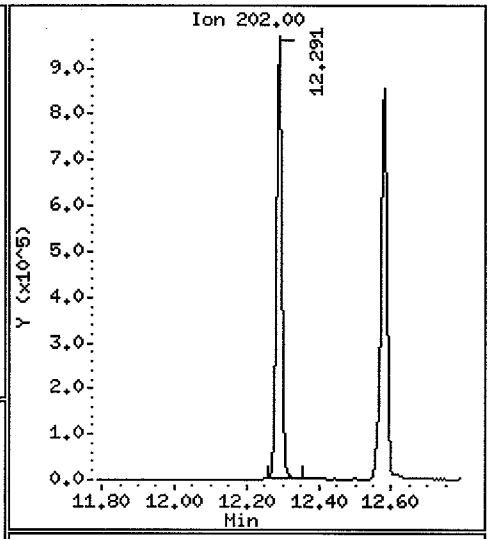
Concentration: 18660 ug/kg

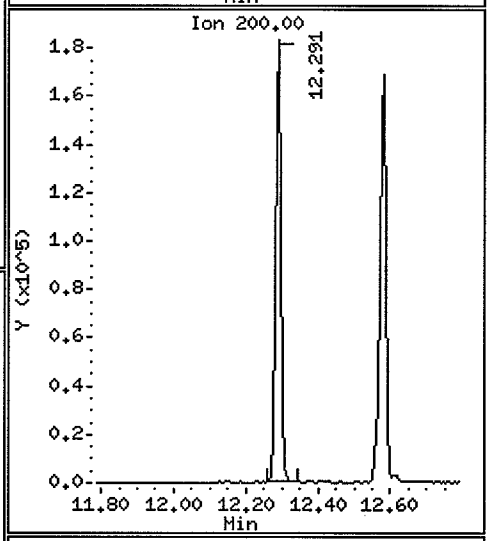


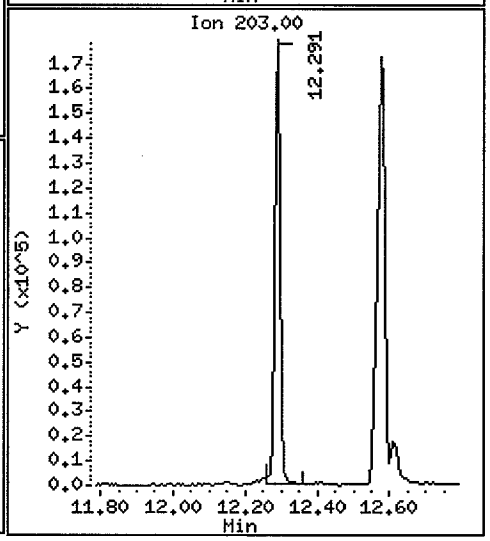












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

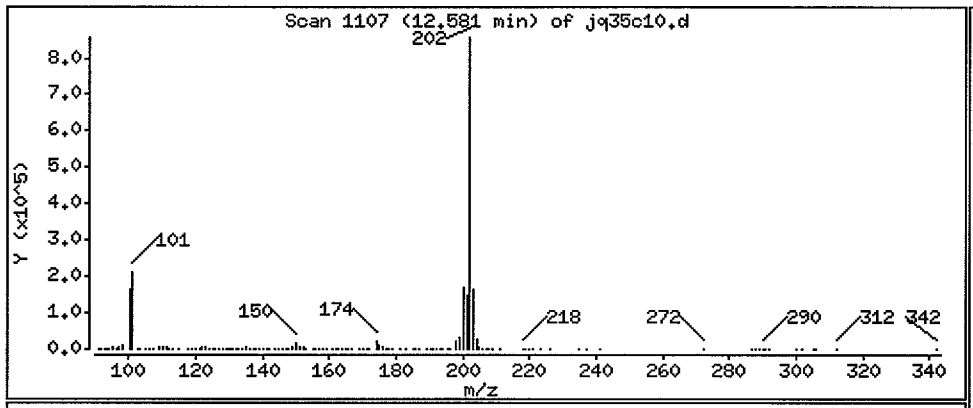
Operator: VTS

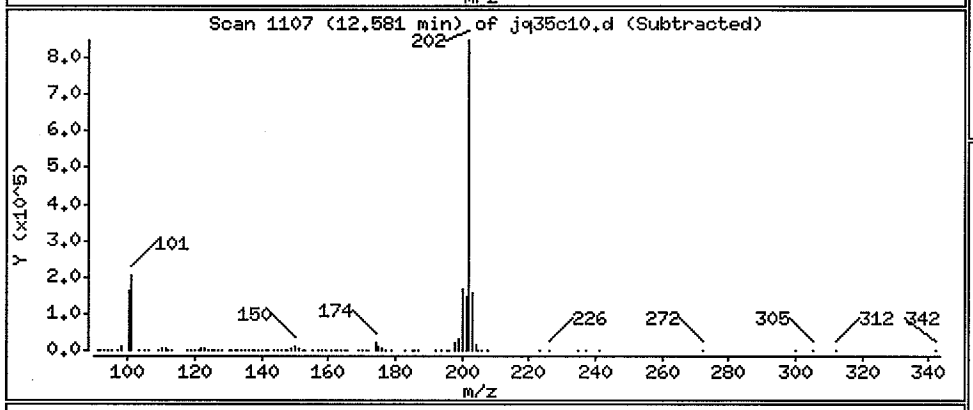
Column phase: ZB-5

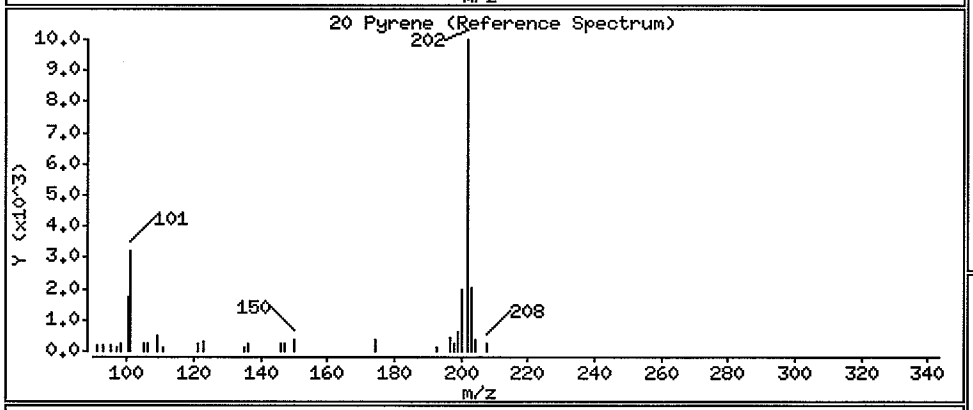
Column diameter: 0.25

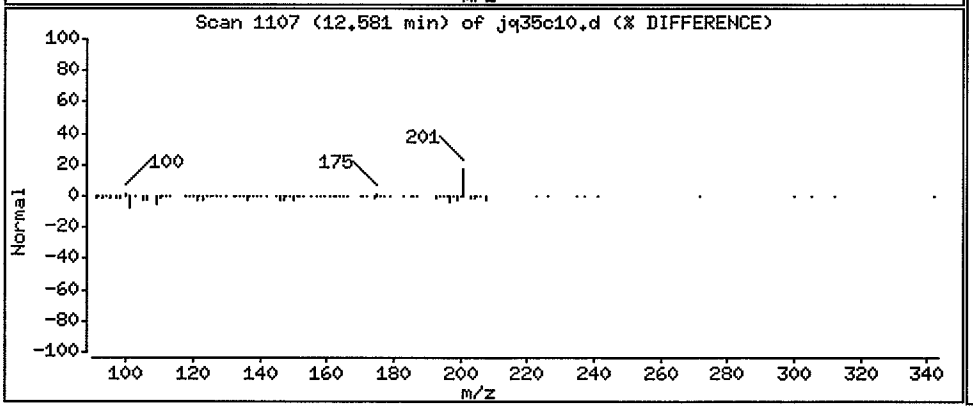
20 Pyrene

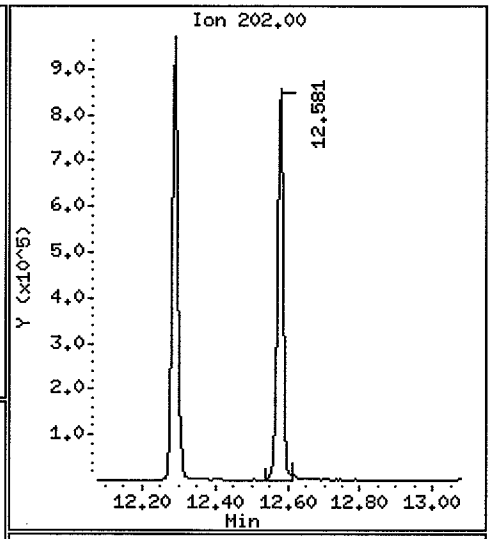
Concentration: 16510 ug/kg

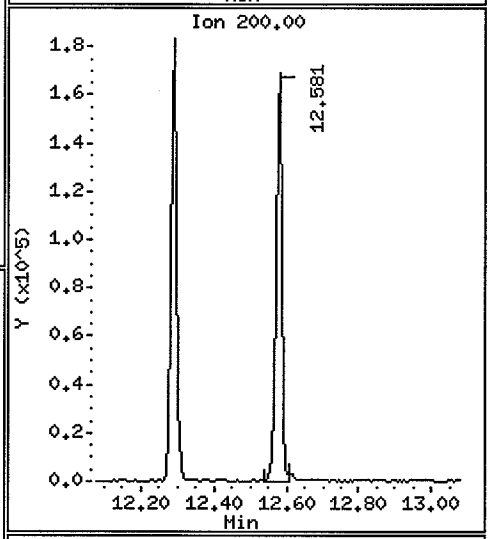


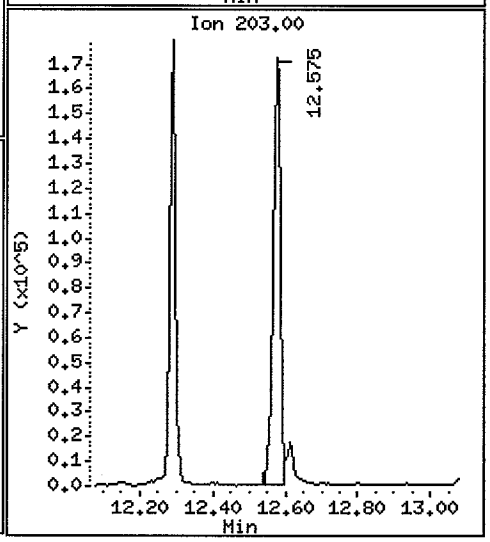












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

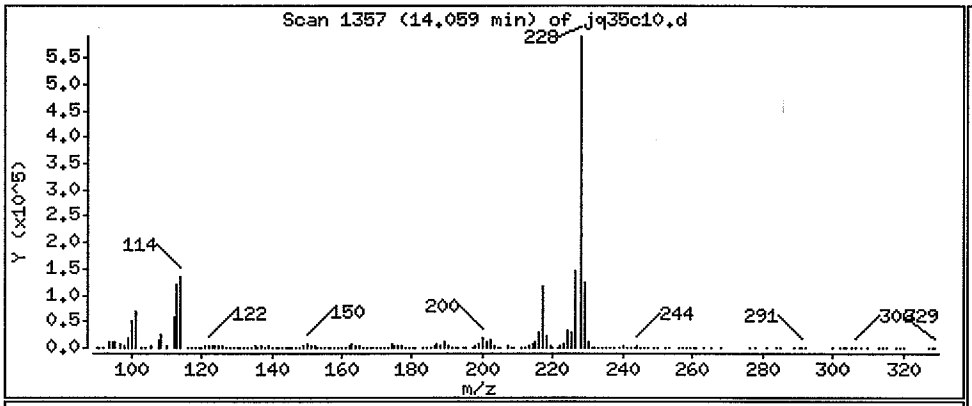
Operator: VTS

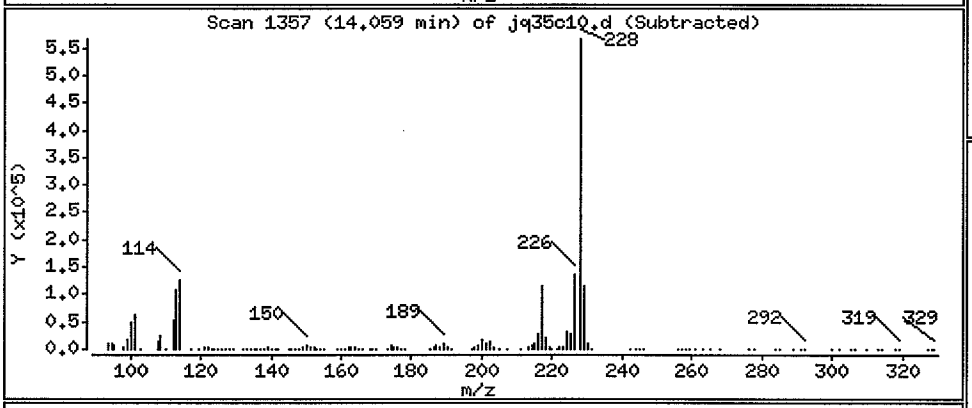
Column phase: ZB-5

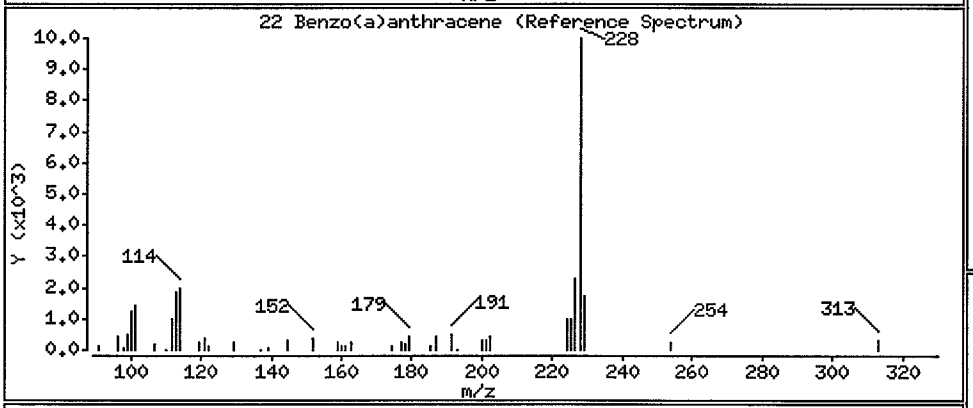
Column diameter: 0.25

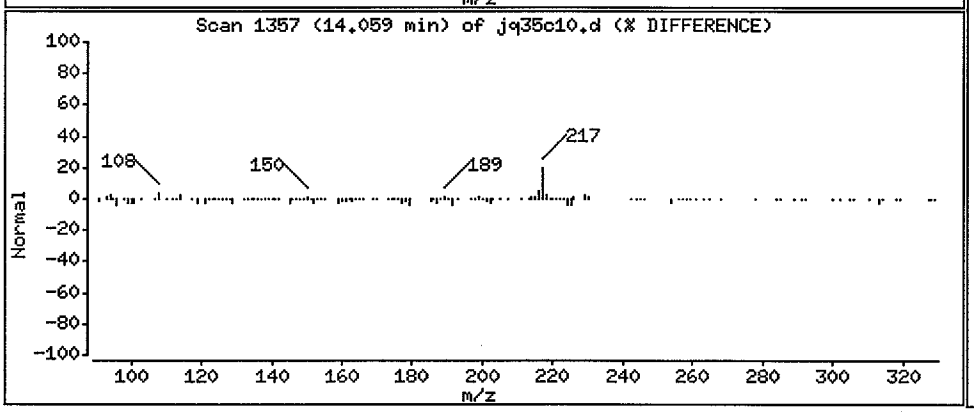
22 Benzo(a)anthracene

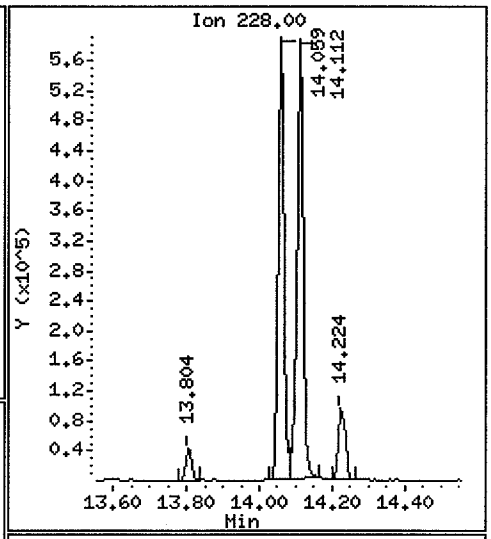
Concentration: 11580 ug/kg

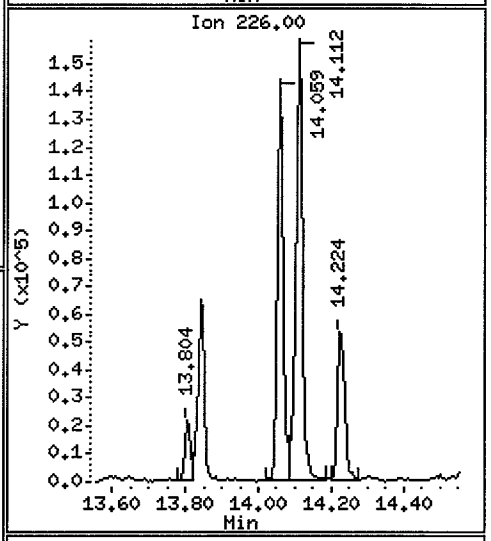


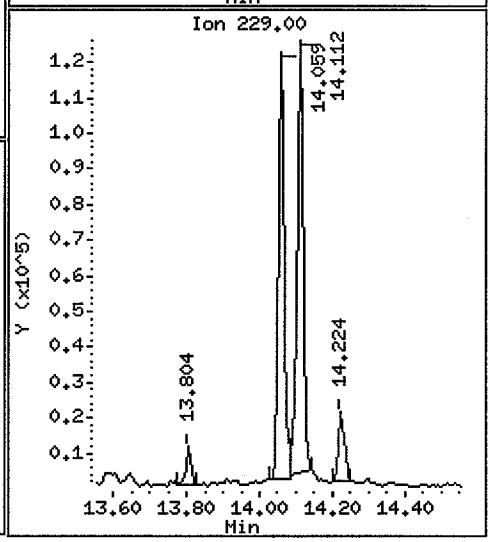












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

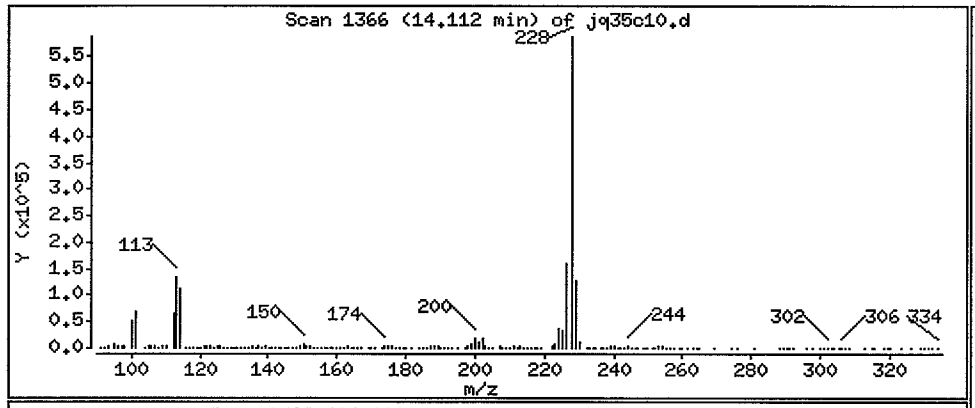
Operator: VTS

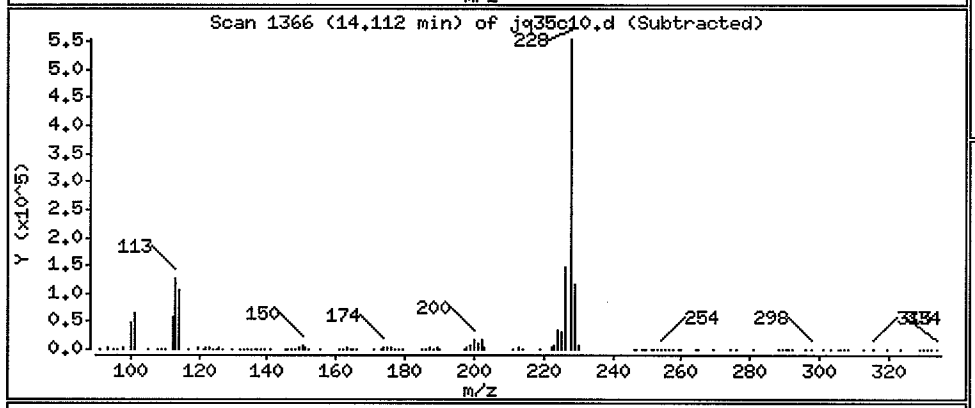
Column phase: ZB-5

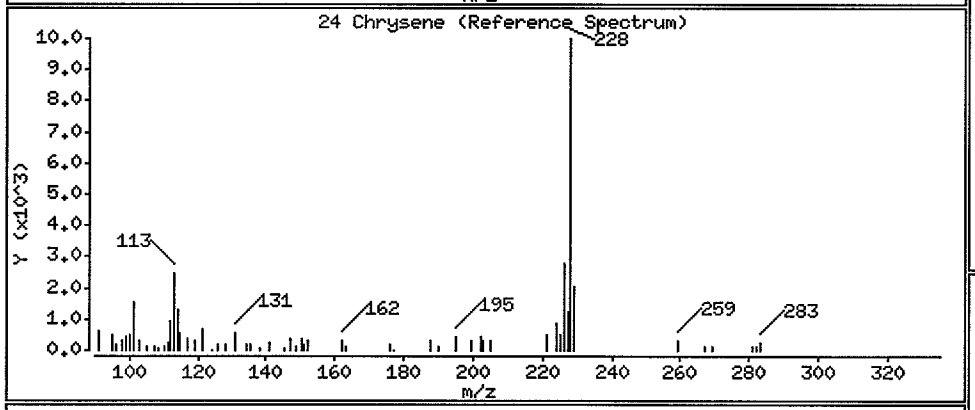
Column diameter: 0.25

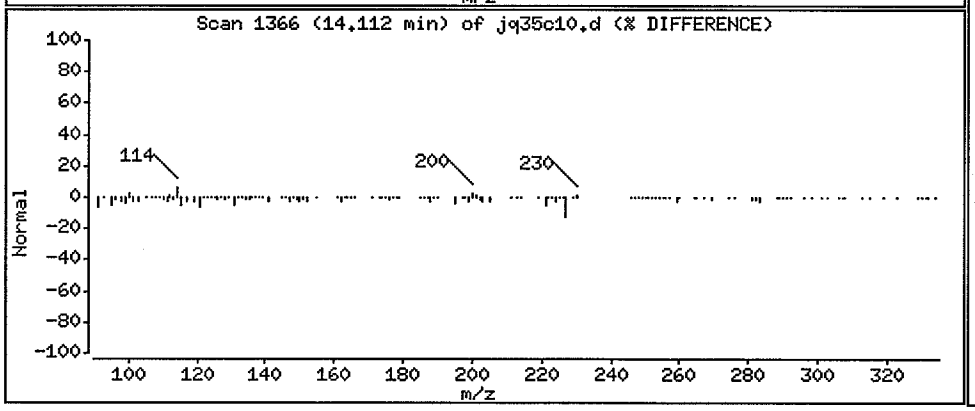
24 Chrysene

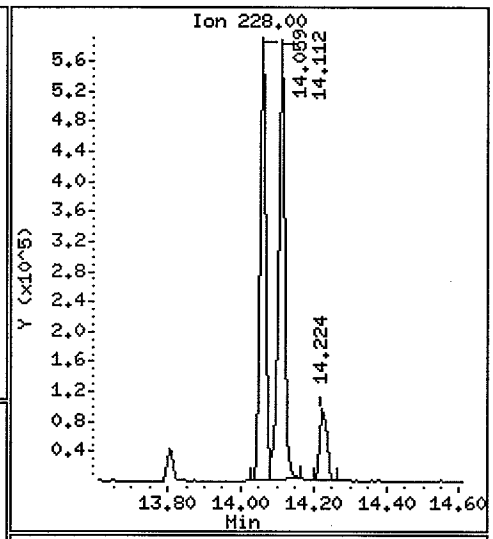
Concentration: 13730 ug/kg

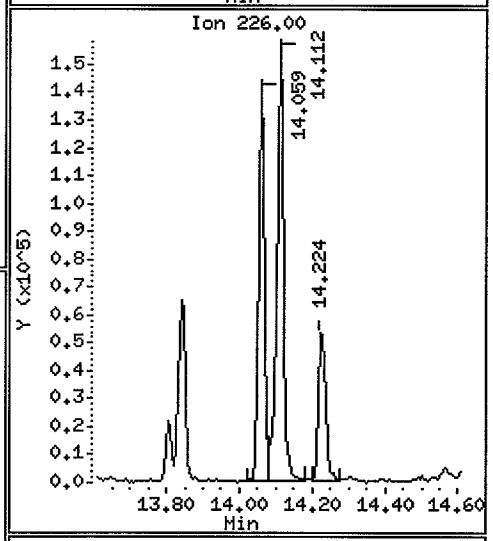


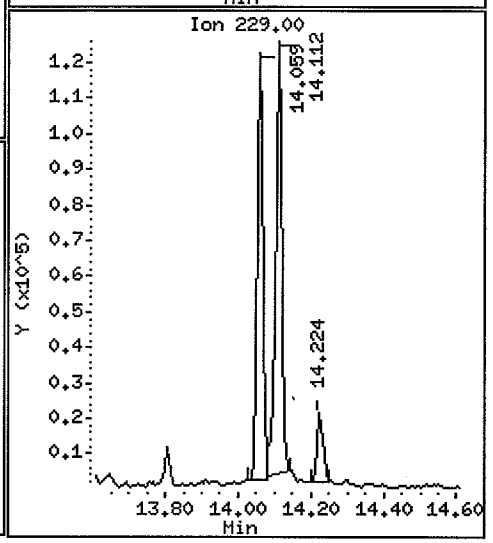












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

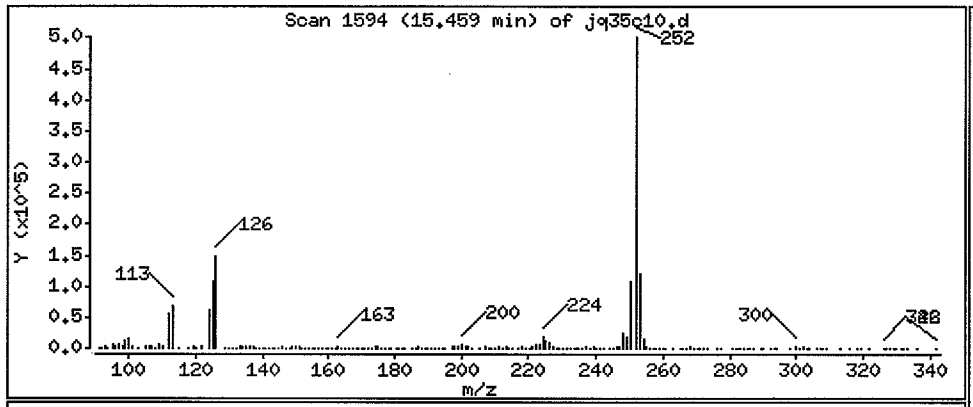
Operator: VTS

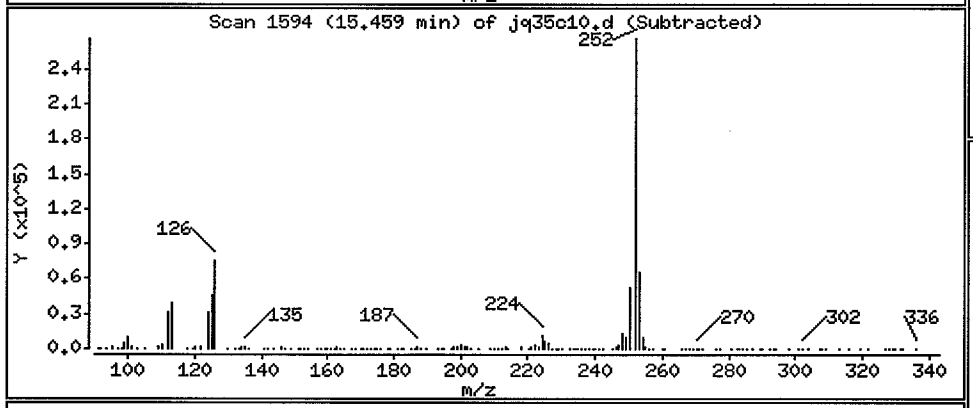
Column phase: ZB-5

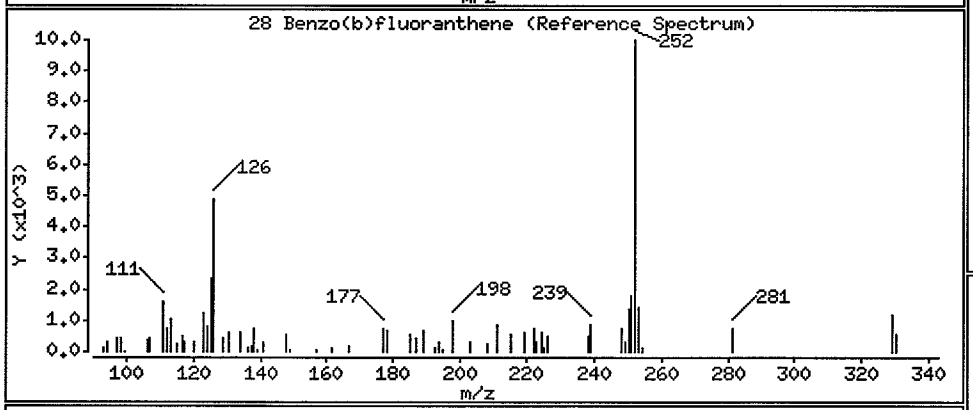
Column diameter: 0.25

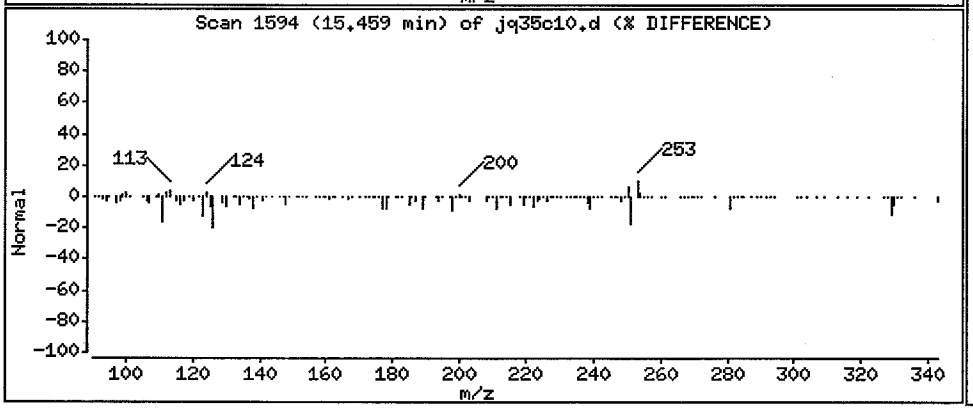
28 Benzo(b)fluoranthene

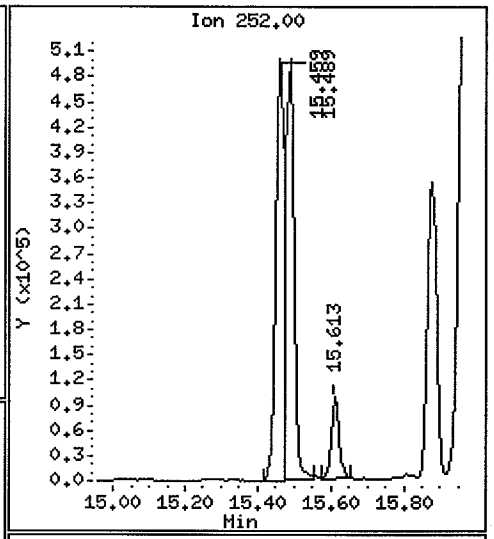
Concentration: 15150 ug/kg

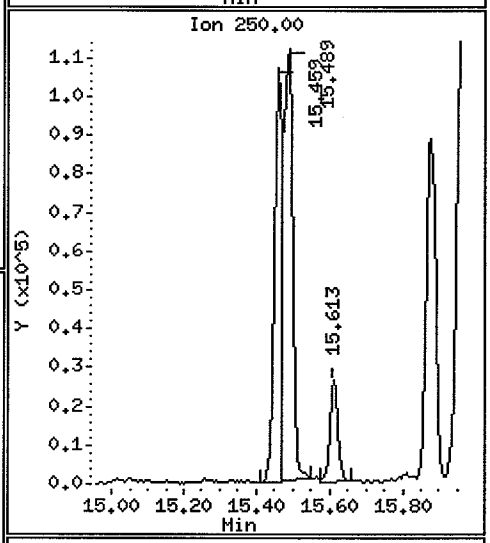


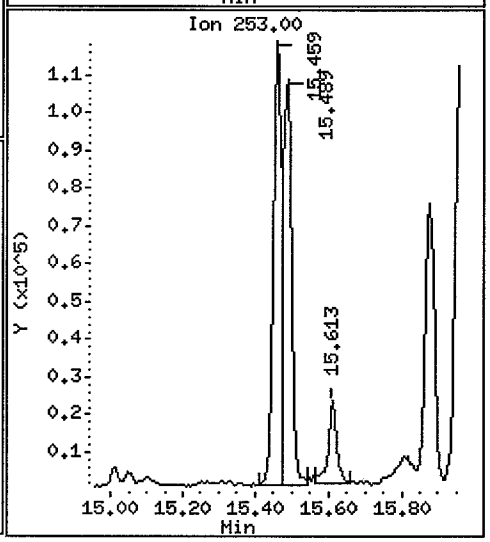












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

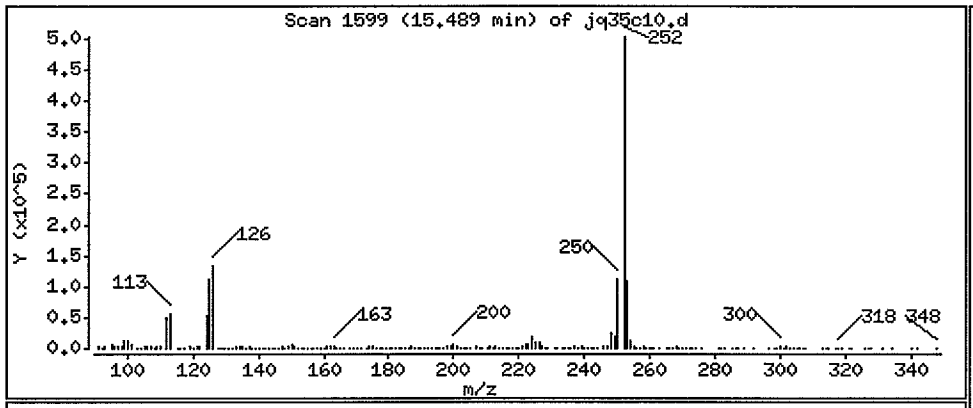
Operator: VTS

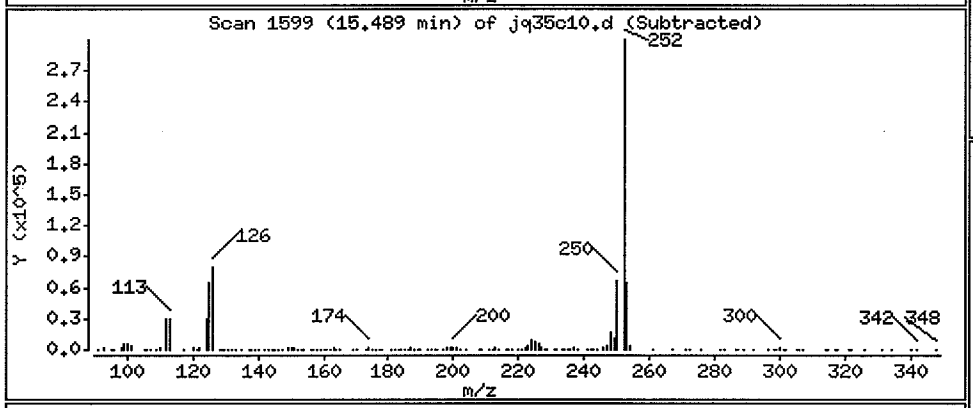
Column phase: ZB-5

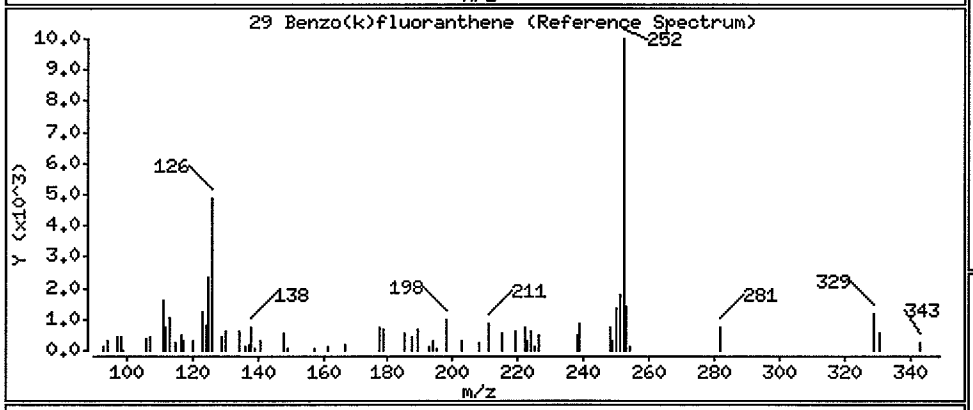
Column diameter: 0.25

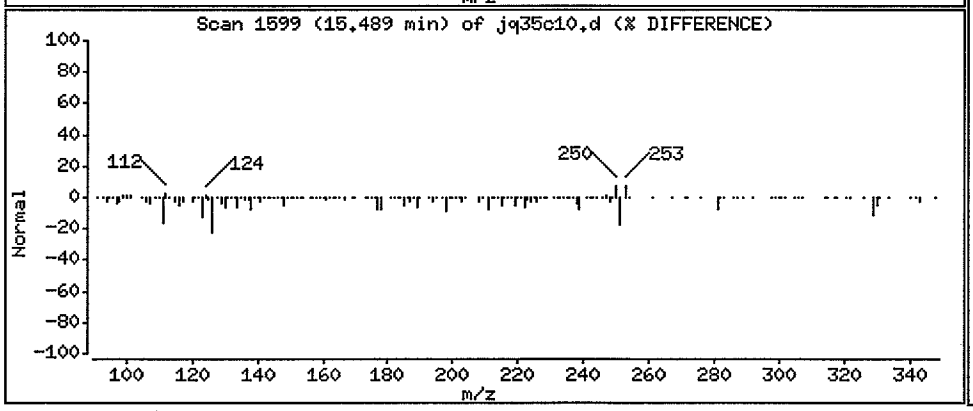
29 Benzo(k)fluoranthene

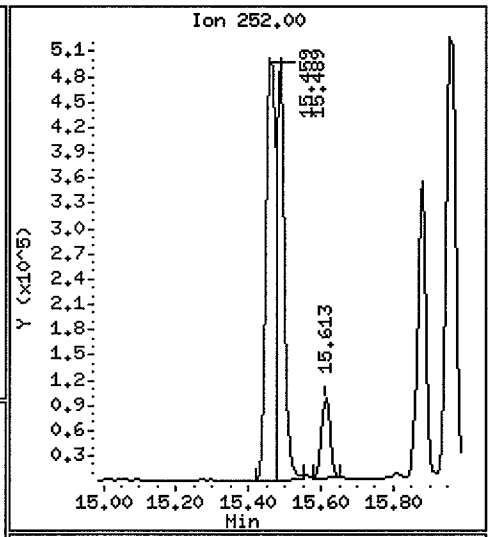
Concentration: 11830 ug/kg

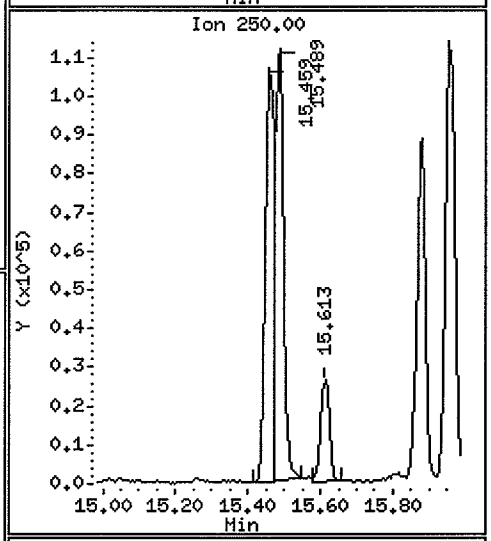


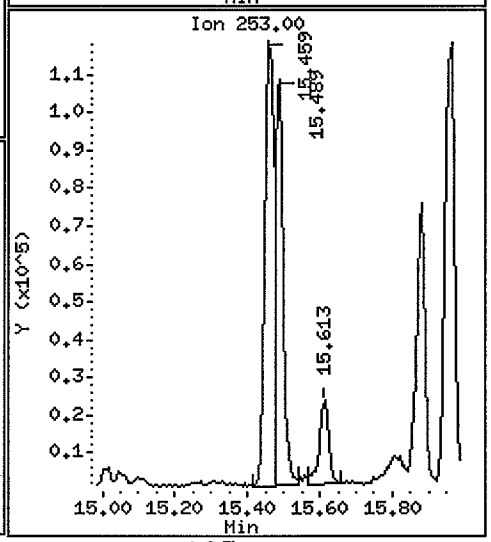












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

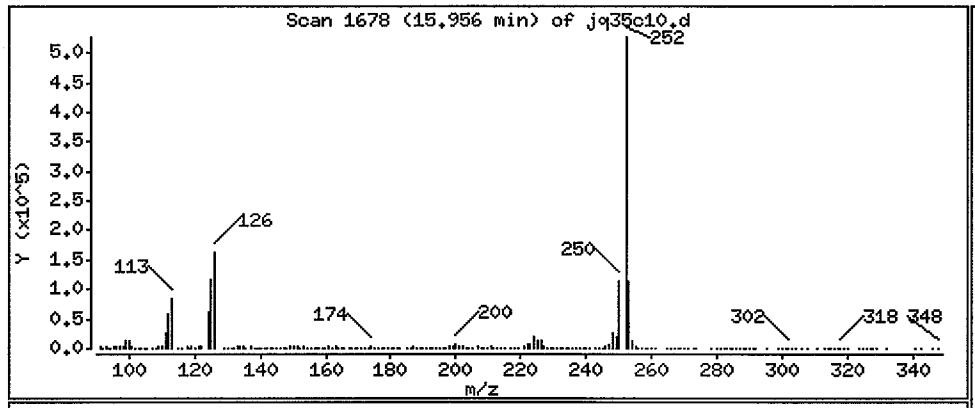
Operator: VTS

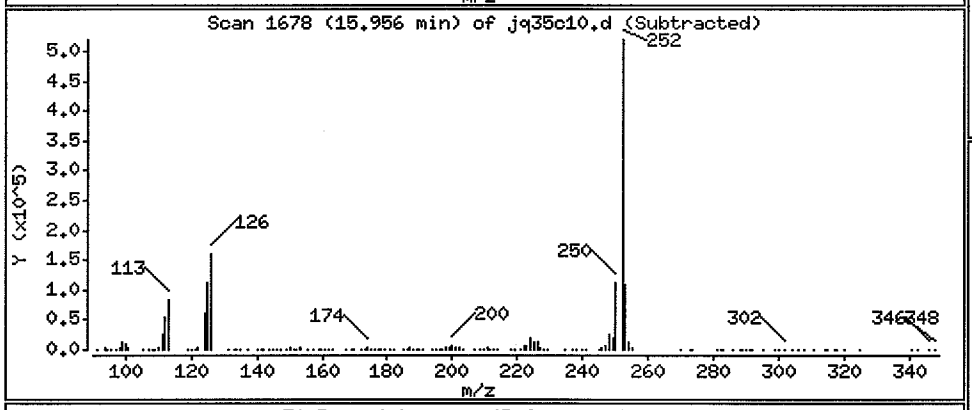
Column phase: ZB-5

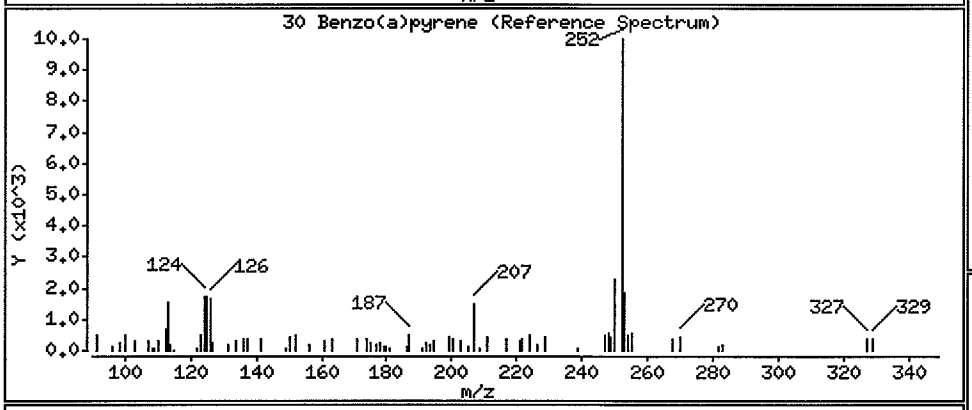
Column diameter: 0.25

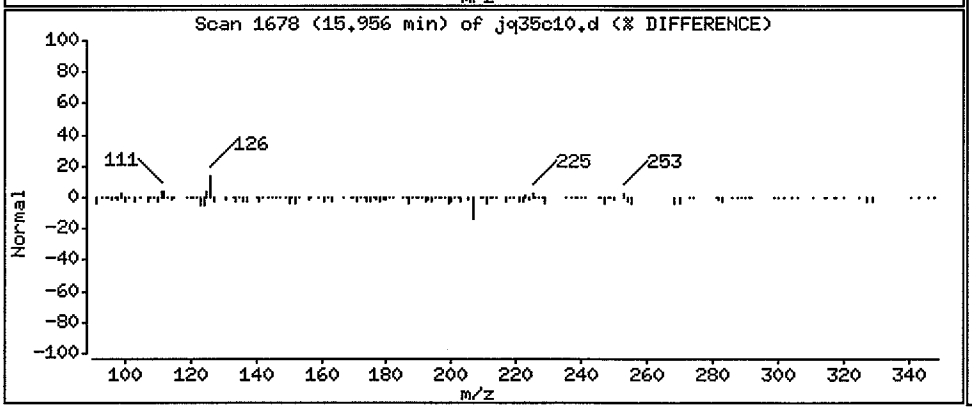
30 Benzo(a)pyrene

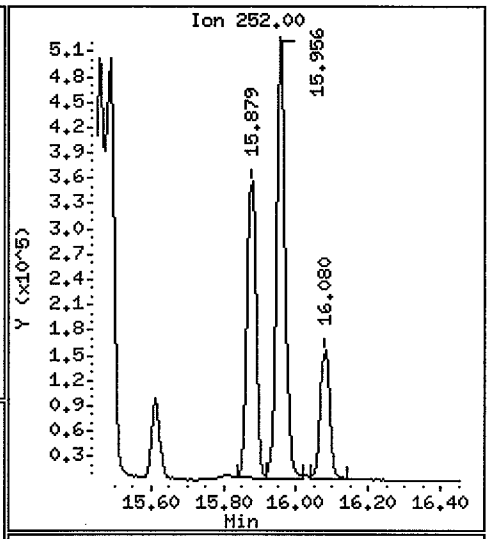
Concentration: 15240 ug/kg

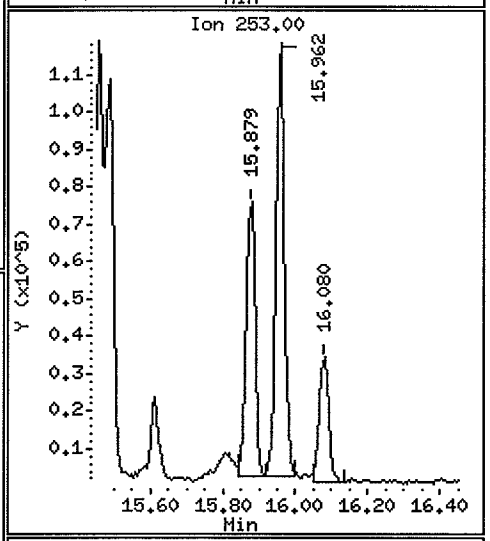


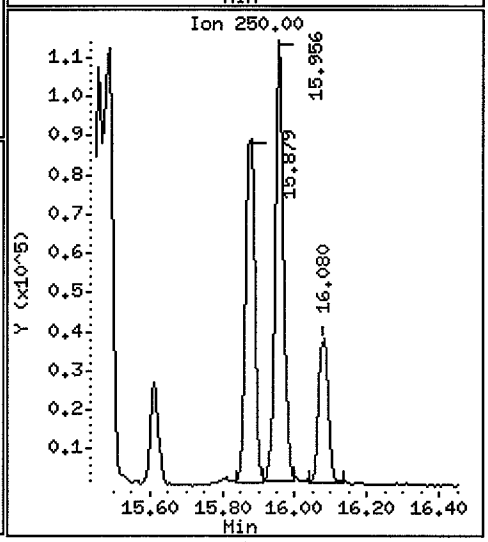












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

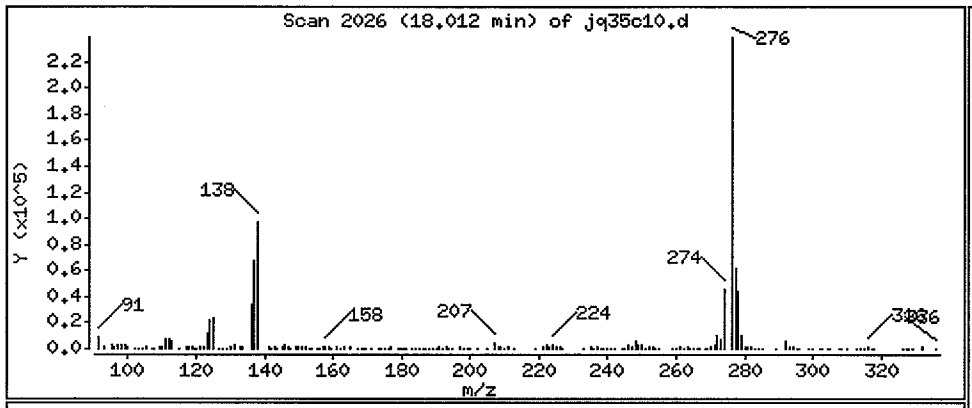
Operator: VTS

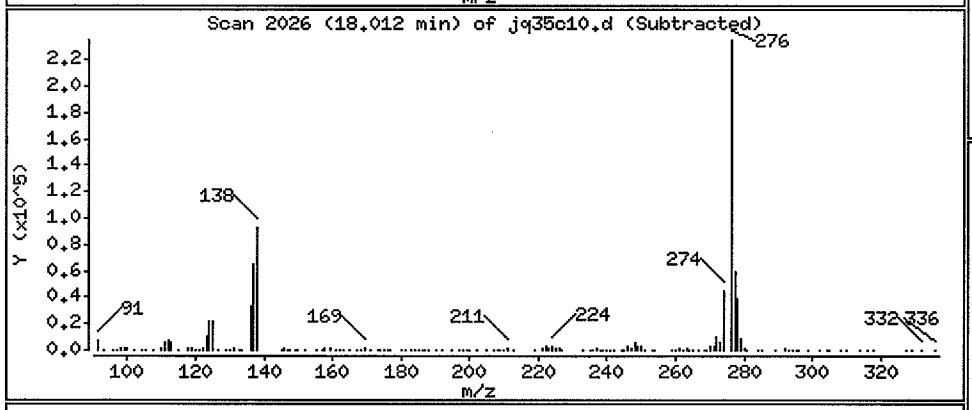
Column phase: ZB-5

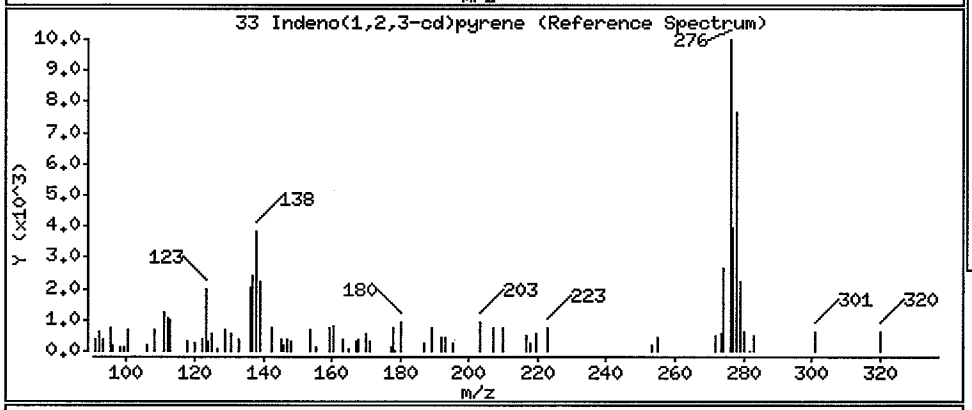
Column diameter: 0.25

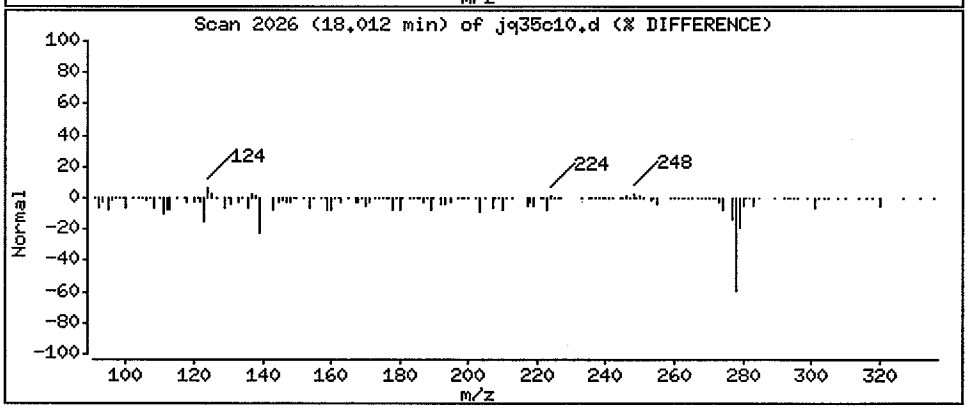
33 Indeno(1,2,3-cd)pyrene

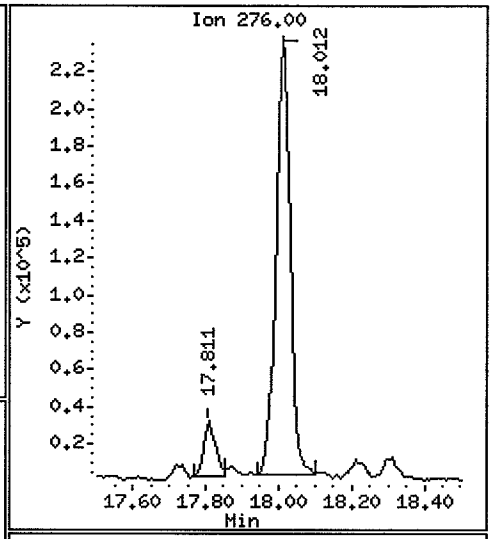
Concentration: 9244 ug/kg

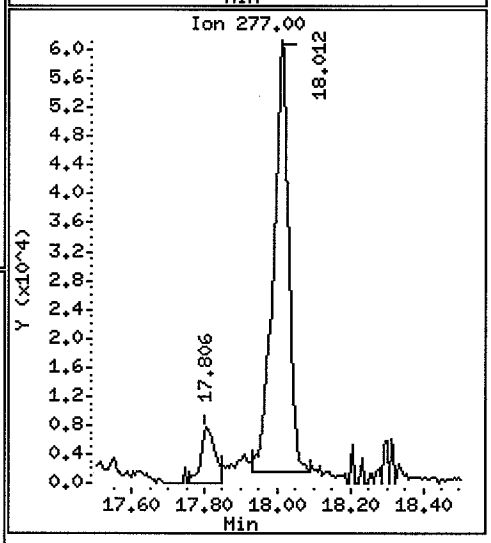












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

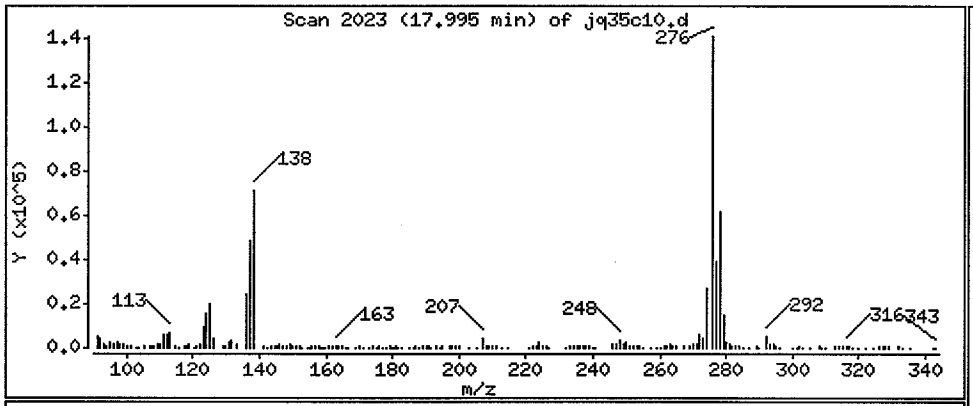
Operator: VTS

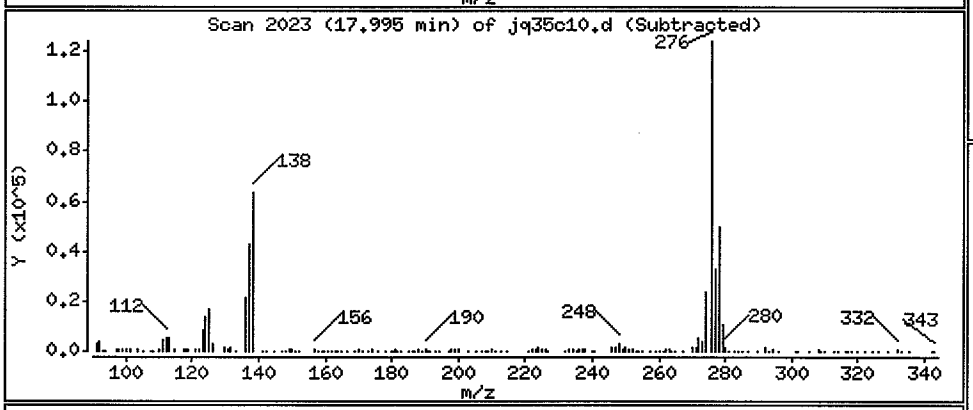
Column phase: ZB-5

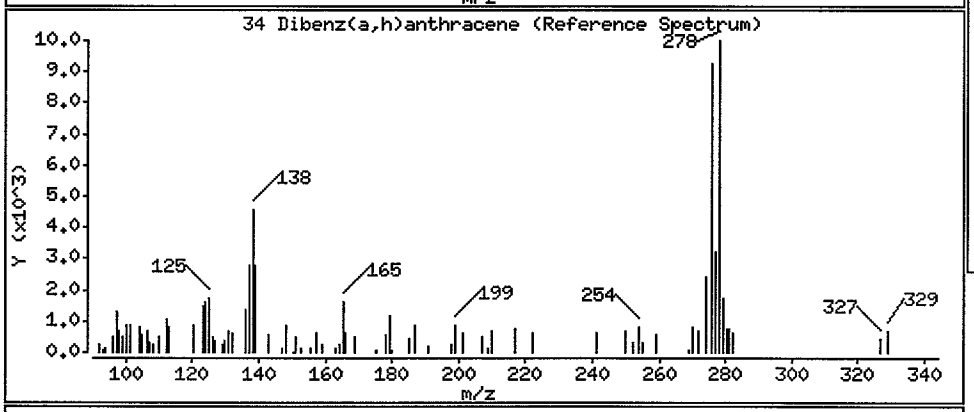
Column diameter: 0.25

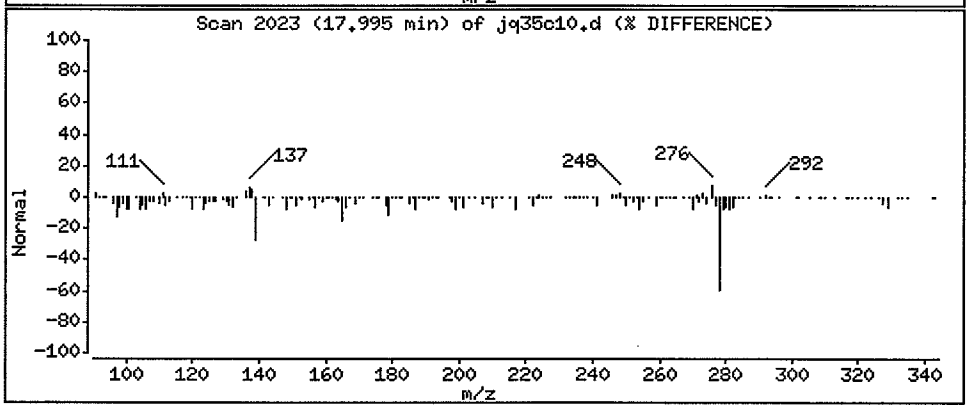
34 Dibenz(a,h)anthracene

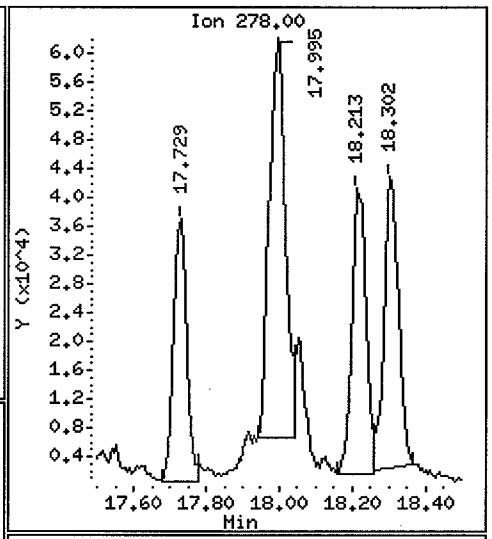
Concentration: 3095 ug/kg

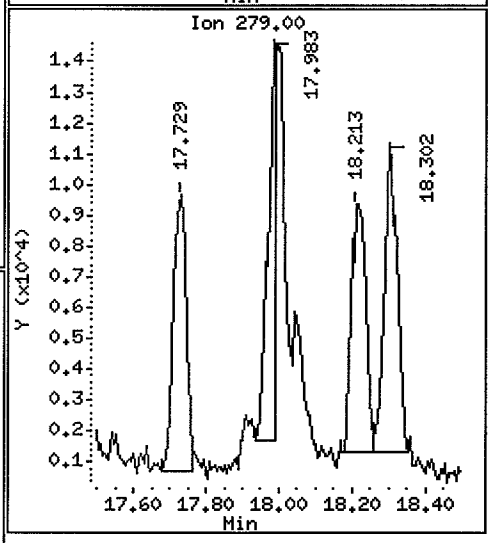












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

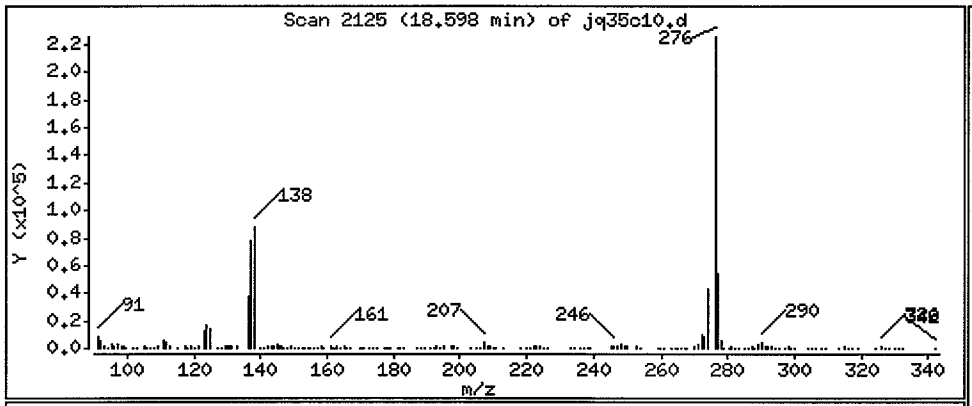
Operator: VTS

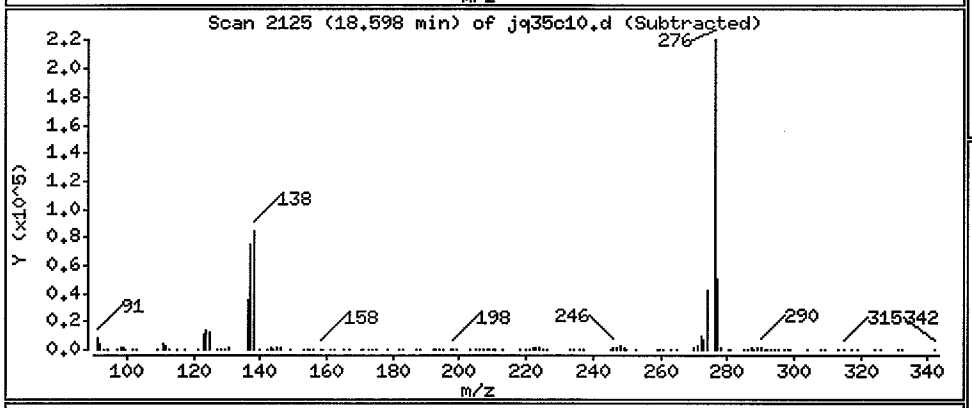
Column phase: ZB-5

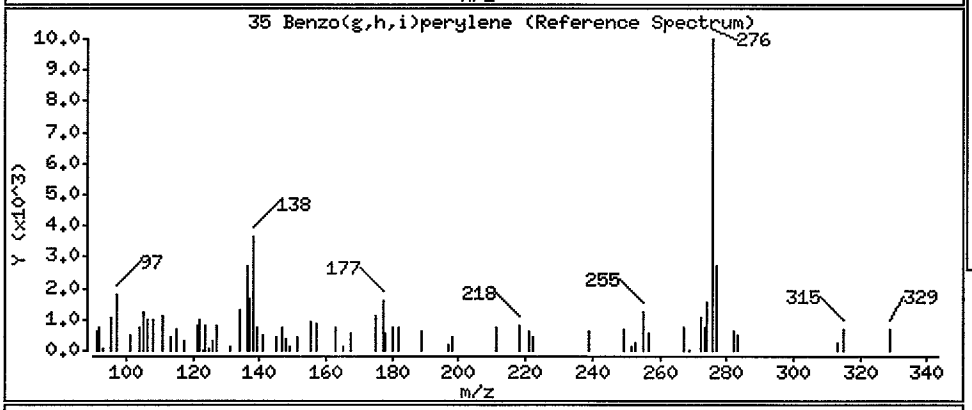
Column diameter: 0.25

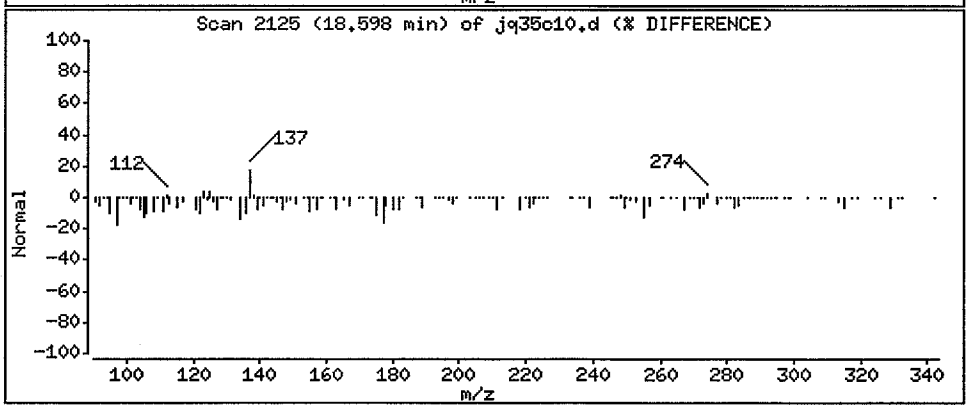
35 Benzo(g,h,i)perylene

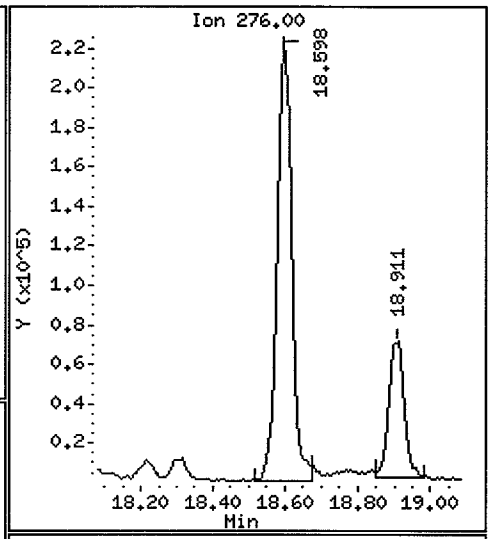
Concentration: 10830 ug/kg

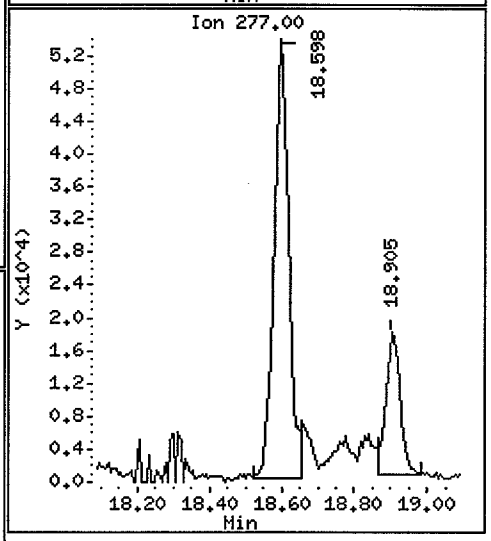












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

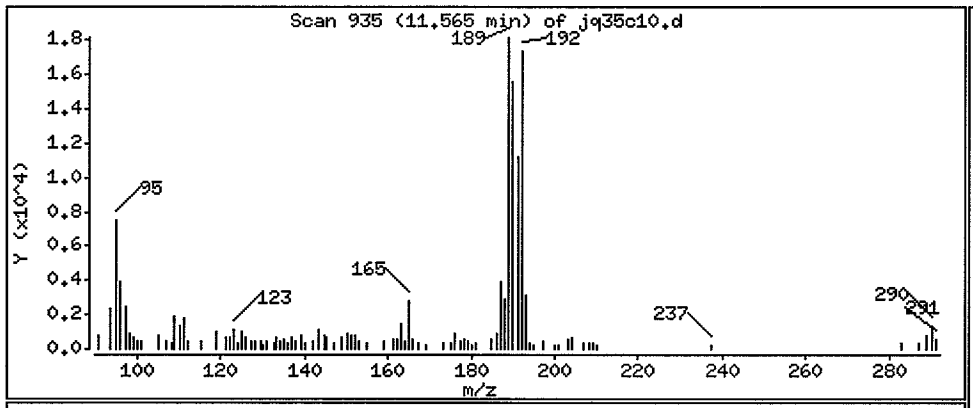
Operator: VTS

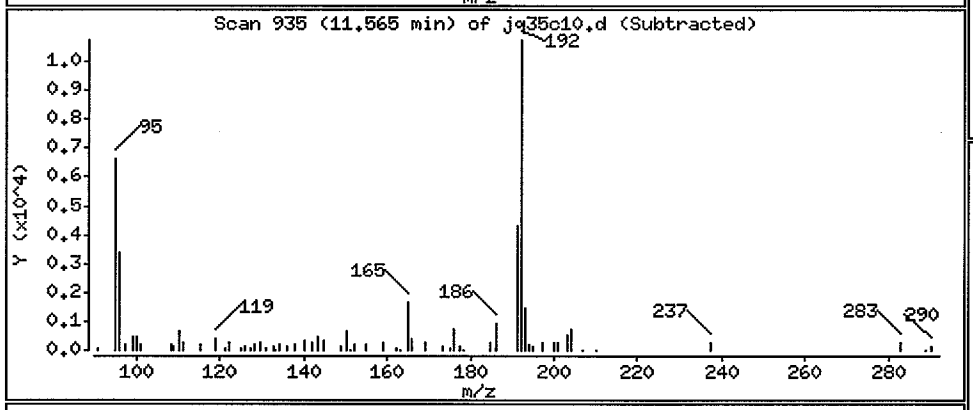
Column phase: ZB-5

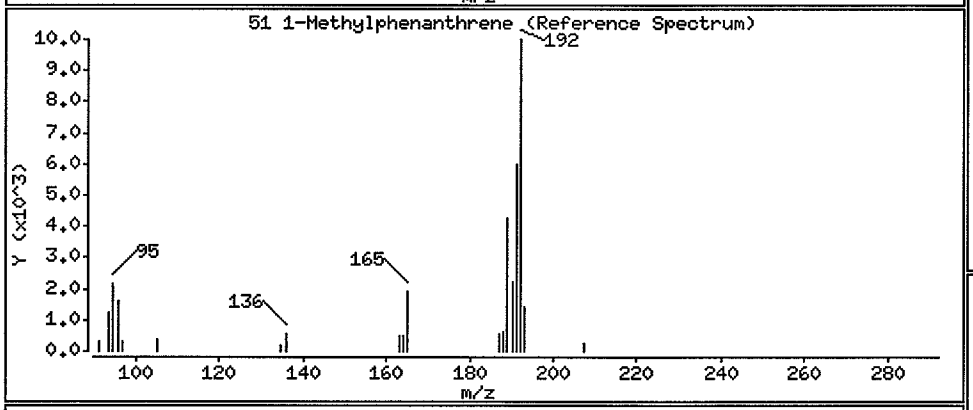
Column diameter: 0.25

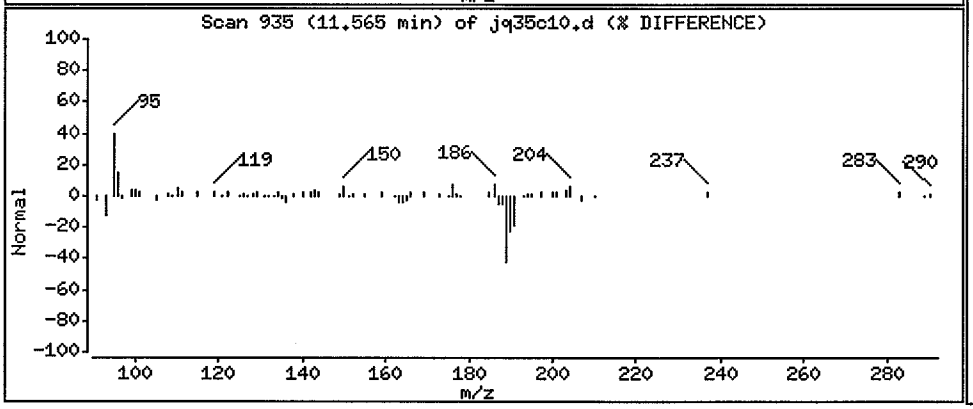
51 1-Methylphenanthrene

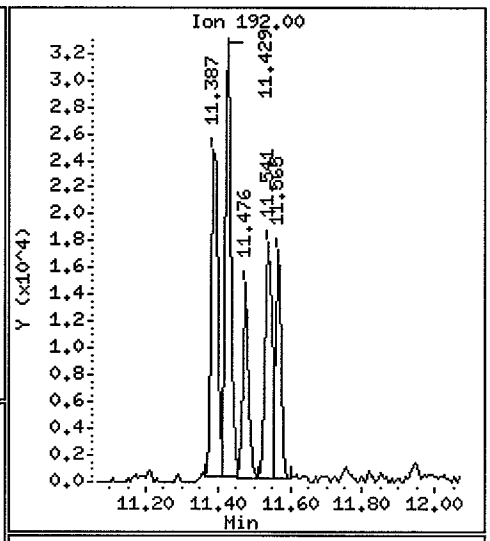
Concentration: 518.6 ug/kg

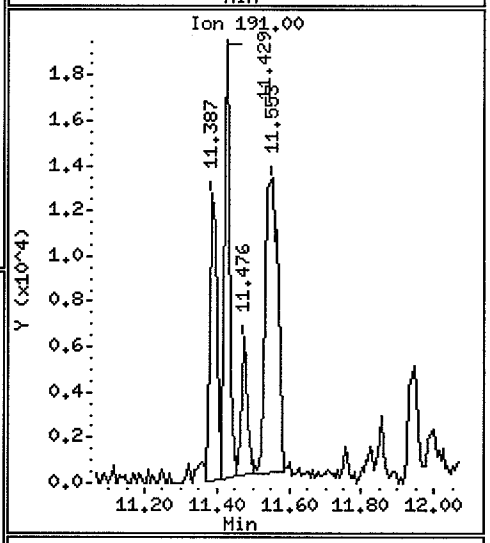


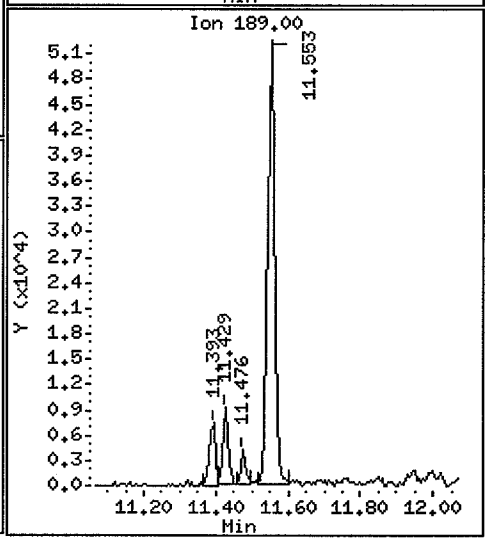












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

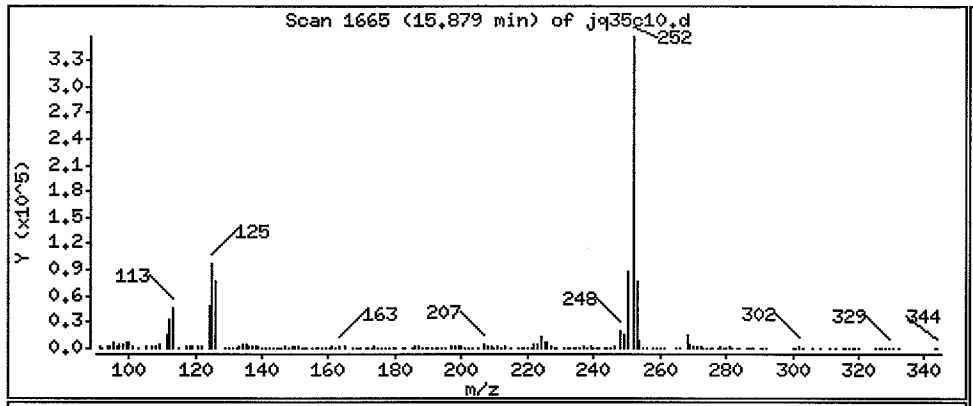
Operator: VTS

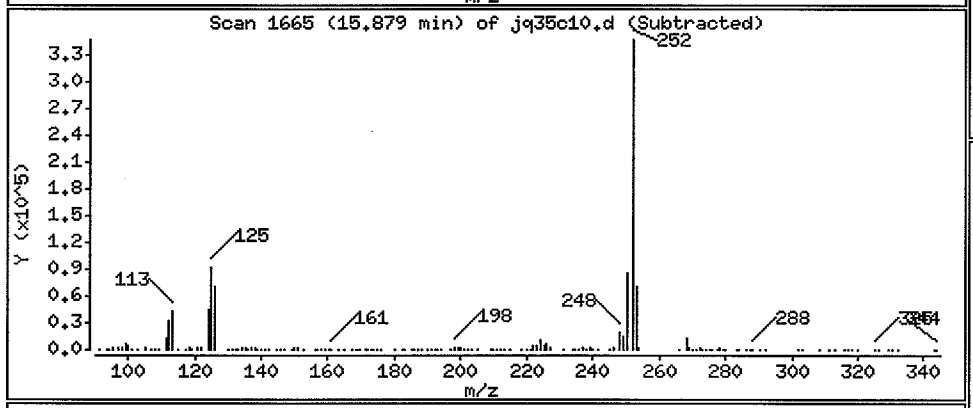
Column phase: ZB-5

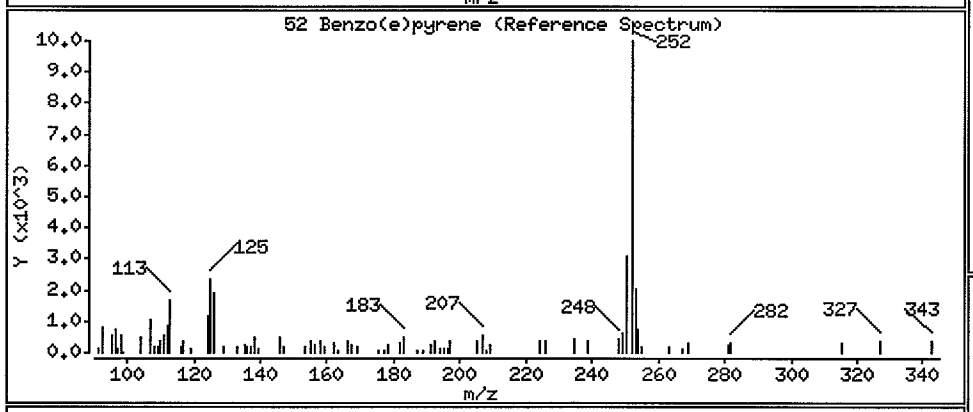
Column diameter: 0.25

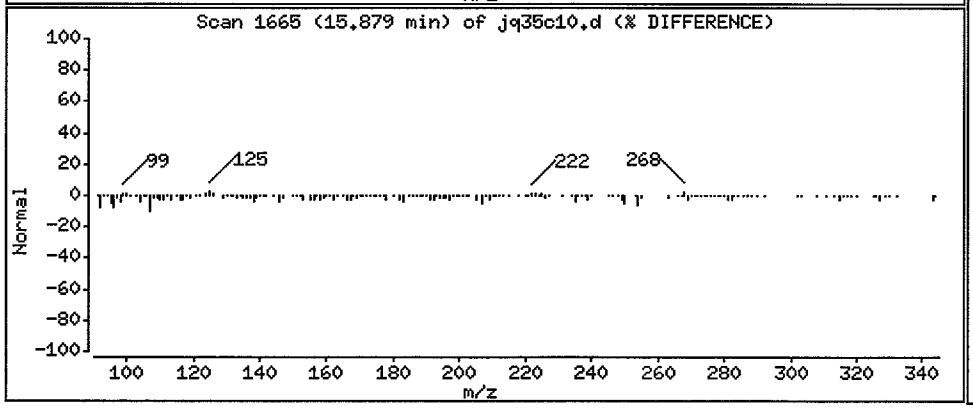
52 Benzo(e)pyrene

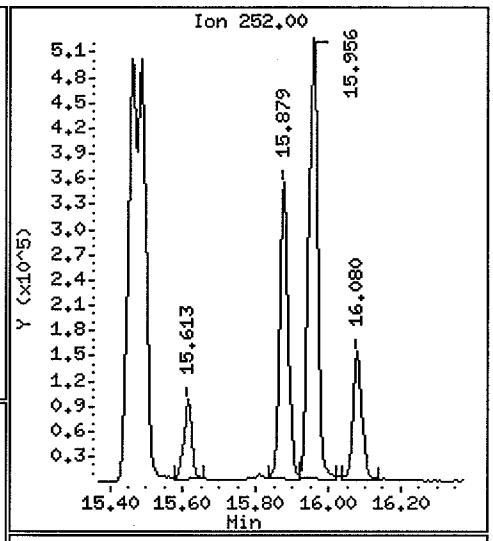
Concentration: 8960 ug/kg

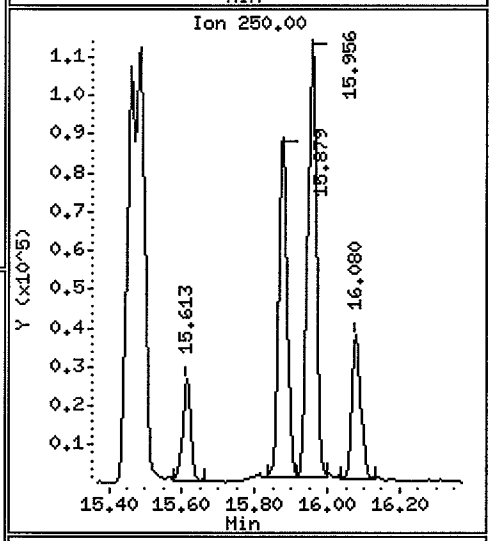


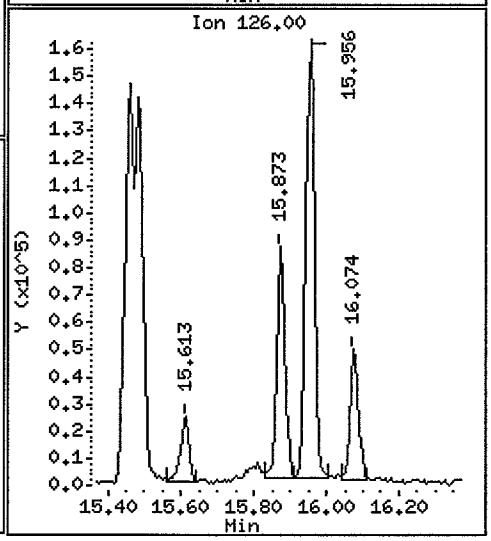












Data File: /chem3/nt1.i/20060807.b/jq35c10.d

Date : 07-AUG-2006 13:19

Client ID: T4-S3-02-E

Instrument: nt1.i

Sample Info: JQ35C,10

Volume Injected (uL): 1.0

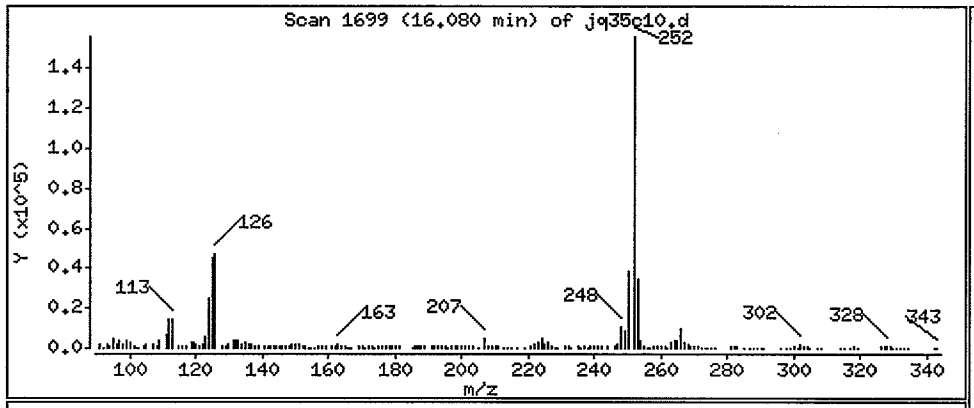
Operator: VTS

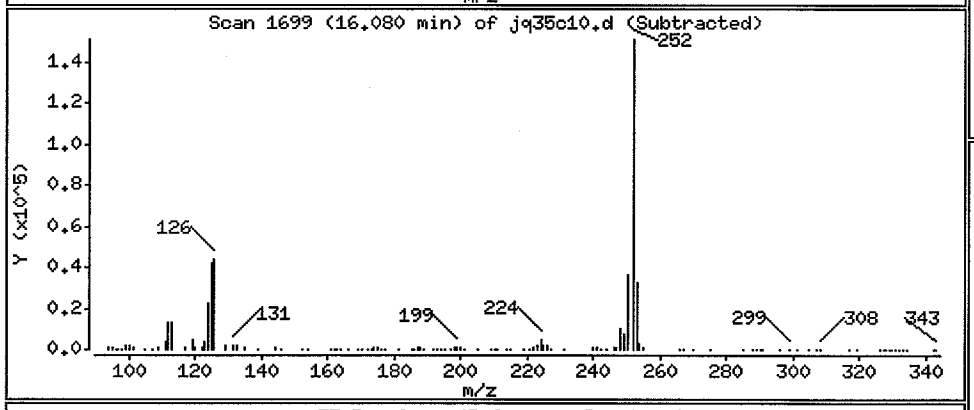
Column phase: ZB-5

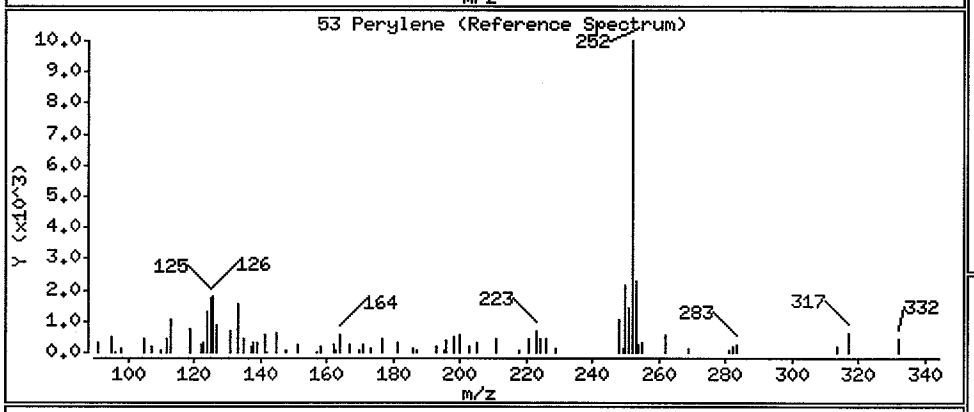
Column diameter: 0.25

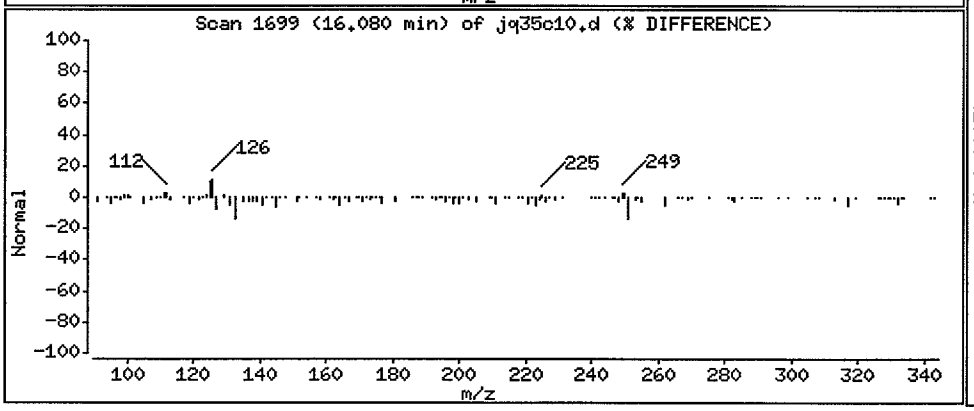
53 Perylene

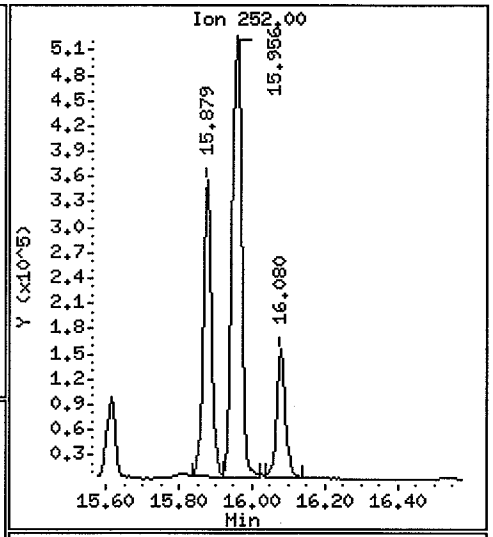
Concentration: 4245 ug/kg

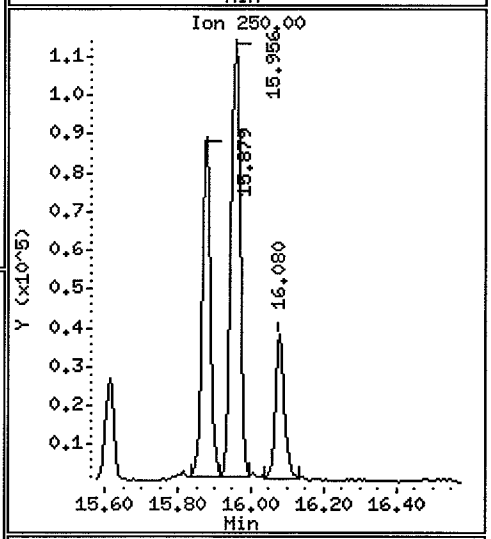


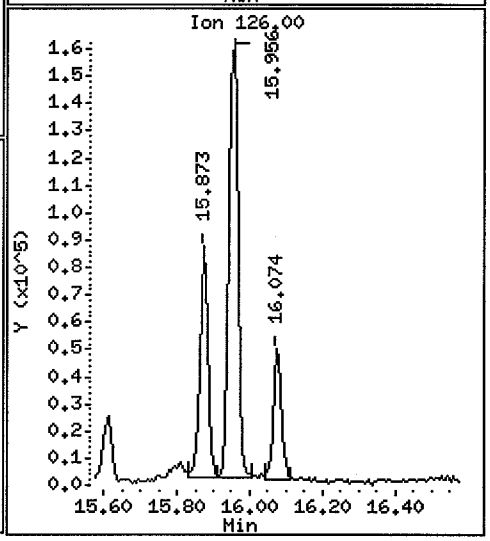












ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-02-F
SAMPLE

Lab Sample ID: JQ35D
LIMS ID: 06-12959
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 13:44
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 1.95 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 44.9%
pH: 6.4

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	260	< 260 U
91-57-6	2-Methylnaphthalene	260	< 260 U
90-12-0	1-Methylnaphthalene	260	< 260 U
208-96-8	Acenaphthylene	260	< 260 U
83-32-9	**Acenaphthene**	**260**	**720**
86-73-7	**Fluorene**	**260**	**410**
85-01-8	**Phenanthrene**	**260**	**3,000**
120-12-7	**Anthracene**	**260**	**620**
206-44-0	**Fluoranthene**	**260**	**6,600**
129-00-0	**Pyrene**	**260**	**6,200**
56-55-3	**Benzo(a)anthracene**	**260**	**3,700**
218-01-9	**Chrysene**	**260**	**4,700**
205-99-2	**Benzo(b)fluoranthene**	**260**	**4,900**
207-08-9	**Benzo(k)fluoranthene**	**260**	**4,200**
50-32-8	**Benzo(a)pyrene**	**260**	**5,100**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**260**	**3,200**
53-70-3	**Dibenz(a,h)anthracene**	**260**	**1,200**
191-24-2	**Benzo(g,h,i)perylene**	**260**	**3,700**
198-55-0	**Perylene**	**260**	**1,600**
92-52-4	Biphenyl	260	< 260 U
581-42-0	2,6-Dimethylnaphthalene	260	< 260 U
832-69-9	**1-Methylphenanthrene**	**260**	**330**
192-97-2	**Benzo(e)pyrene**	**260**	**3,000**
2245-38-7	2,3,5-Trimethylnaphthalene	260	< 260 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	65.0%
d14-Dibenzo(a,h)anthracen	76.0%

FORM I

YZ 8/9/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq35d10.d
Lab Smp Id: JQ35D — Client Smp ID: T4-S3-02-F
Inj Date : 07-AUG-2006 13:44
Operator : VTS — Inst ID: nt1.i
Smp Info : JQ35D,10
Misc Info : 06-12959
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: 7
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	3.54000	Weight of sample extracted (g)
M	44.90000	% 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	6.889	6.891	(1.000)	245660	2.00000	
2 Naphthalene	128	6.912	6.915	(1.003)	7301	0.05958 J	152.7
$ 3 2-Methylnaphthalene-d10	152	7.645	7.648	(1.110)	12316	0.19464	499.0
4 2-Methylnaphthalene	142	Compound Not Detected.					
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.951	8.954	(1.000)	138987	2.00000	
9 Acenaphthene	153	8.993	8.989	(1.005)	19102	0.27990	717.5
10 Dibenzofuran	168	9.176	9.178	(1.025)	5446	0.05418	138.9
11 Fluorene	166	9.602	9.604	(1.073)	12199	0.15589	399.6
* 15 Phenanthrene-d10	188	10.766	10.762	(1.000)	217562	2.00000	
16 Phenanthrene	178	10.795	10.792	(1.003)	129929	1.16350	2982
17 Anthracene	178	10.849	10.851	(1.008)	27073	0.24260	621.9
19 Fluoranthene	202	12.291	12.287	(1.142)	293793	2.57935	6612
20 Pyrene	202	12.580	12.577	(0.893)	300084	2.42534	6217

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	22 Benzo(a)anthracene	228	14.058	14.054	(0.998)	168771	1.45452	3729
*	23 Chrysene-d12	240	14.081	14.078	(1.000)	192685	2.00000	
	24 Chrysene	228	14.111	14.107	(1.002)	197447	1.84490	4729
	28 Benzo(b)fluoranthene	252	15.458	15.455	(0.964)	223587	1.91308	4904
	29 Benzo(k)fluoranthene	252	15.482	15.484	(0.965)	202789	1.62755	4172
	30 Benzo(a)pyrene	252	15.955	15.951	(0.995)	226800	1.99155	5105
*	31 Perylene-d12	264	16.038	16.034	(1.000)	207083	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	18.006	18.002	(1.123)	160535	1.22580	3142
$	32 Dibenz(a,h)anthrancene-d14	292	17.929	17.931	(1.118)	18100	0.22839	585.5
	34 Dibenz(a,h)anthracene	278	17.988	17.996	(1.122)	47696	0.44581	1143
	35 Benzo(g,h,i)perylene	276	18.591	18.581	(1.159)	158091	1.45219	3723
	48 Biphenyl	154	Compound Not Detected.					
	49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
	50 2,3,5-Trimethylnaphthalene	170	9.436	9.438	(1.054)	3244	~~0.05856~~	150.1 TDL
	51 1-Methylphenanthrene	192	11.570	11.566	(0.822)	10457	0.13258	339.9
	52 Benzo(e)pyrene	252	15.872	15.869	(0.990)	147495	1.17006	2999
	53 Perylene	252	16.073	16.075	(1.002)	72245	0.61039	1565

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq35d10.d
Lab Smp Id: JQ35D
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12959

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-02-F
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	245660	6.33
8 Acenaphthene-d10	129131	64566	258262	138987	7.63
15 Phenanthrene-d10	212850	106425	425700	217562	2.21
23 Chrysene-d12	190817	95408	381634	192685	0.98
31 Perylene-d12	197592	98796	395184	207083	4.80

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.89	6.39	7.39	6.89	-0.03
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.03
15 Phenanthrene-d10	10.76	10.26	11.26	10.77	0.03
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.02
31 Perylene-d12	16.03	15.53	16.53	16.04	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

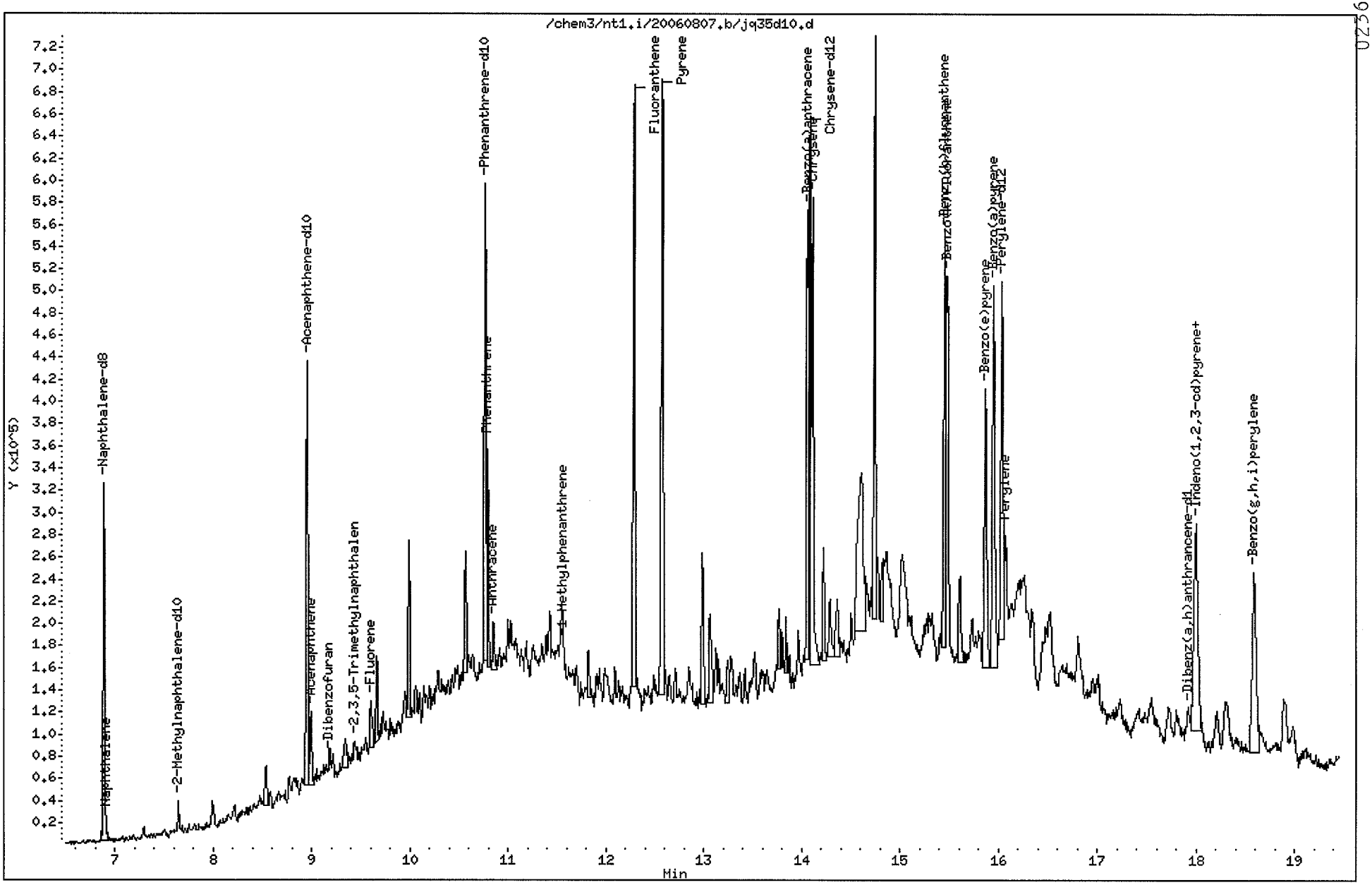
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35D
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12959

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-02-F
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	769.0	499.0	64.88	32-97
$ 32 Dibenz(a,h)anthran	769.0	585.5	76.13	21-105

Data File: /chem3/nt1.i/20060807.b/jq35d10.d
Date : 07-AUG-2006 13:44
Client ID: T4-S3-02-F
Sample Info: JQ35D,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/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

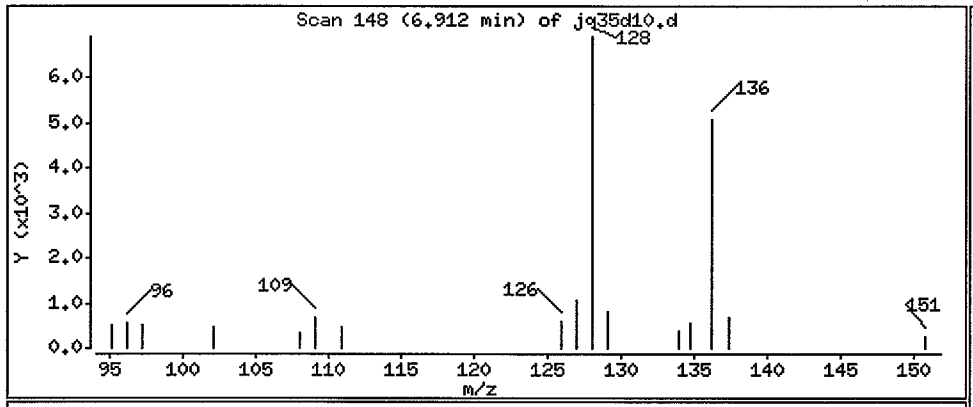
Operator: VTS

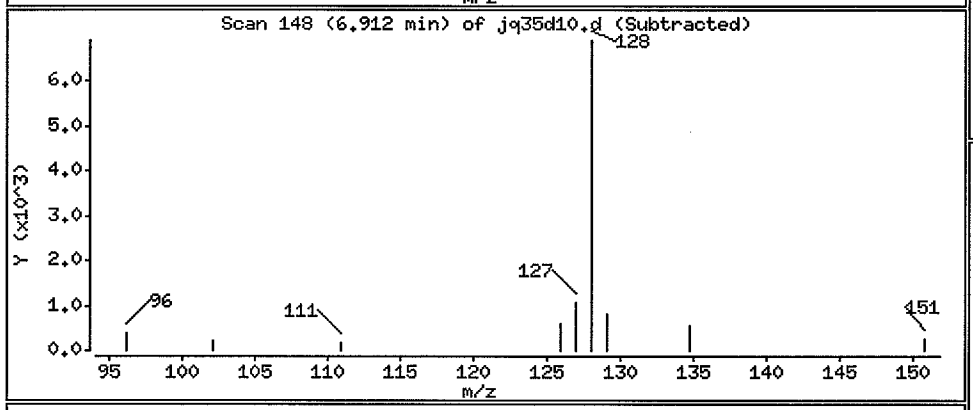
Column phase: ZB-5

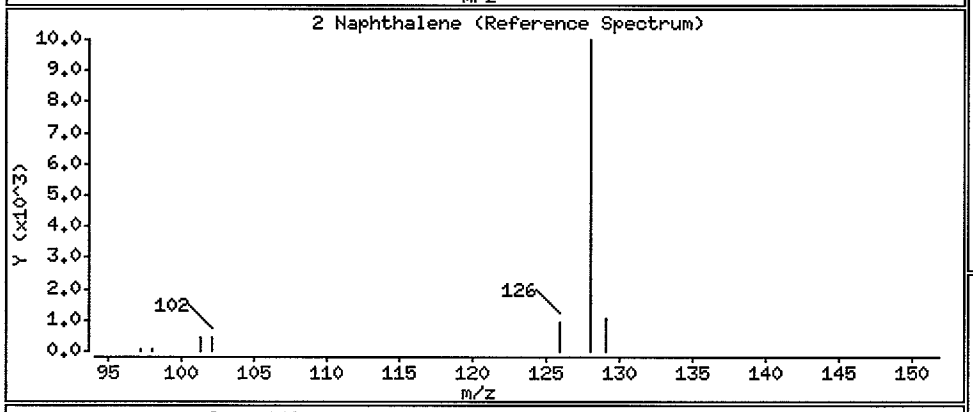
Column diameter: 0.25

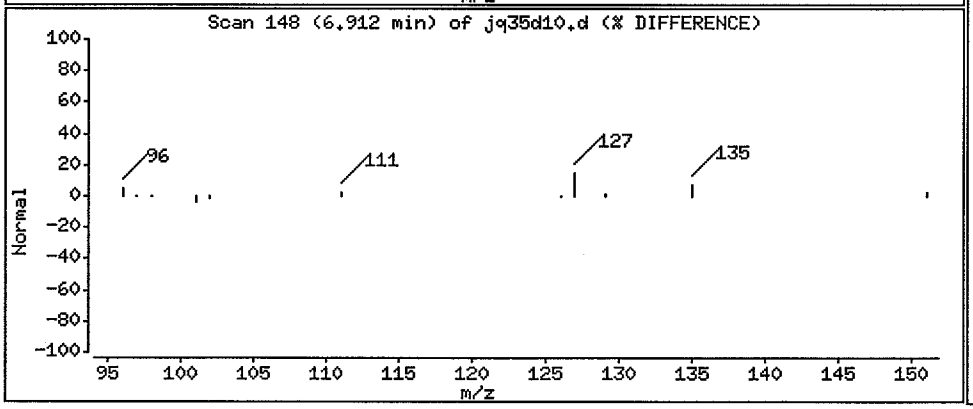
2 Naphthalene

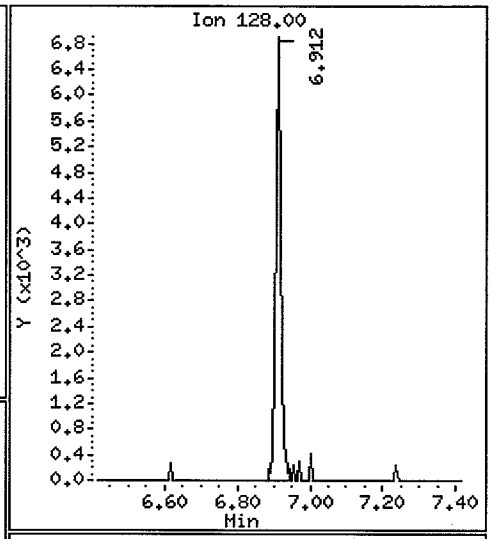
Concentration: 152.7 ug/kg

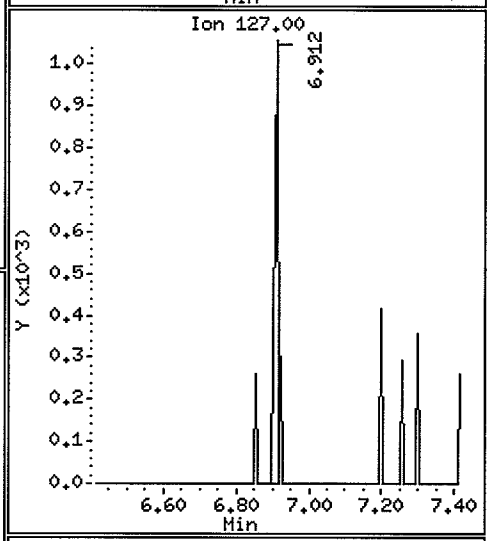


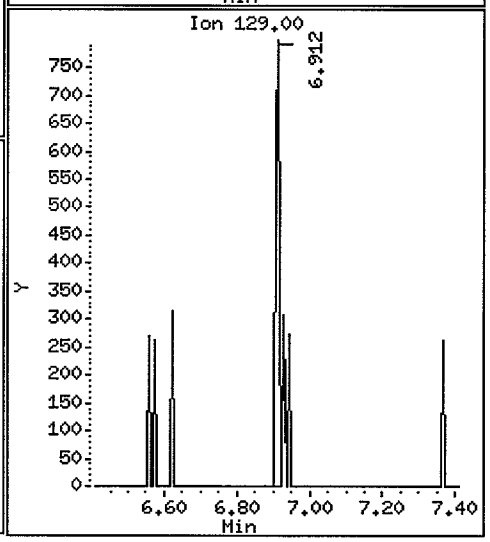












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

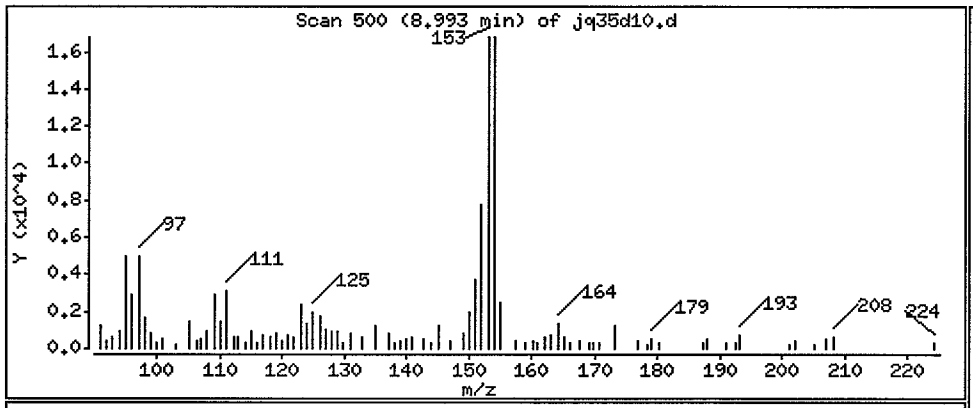
Operator: VTS

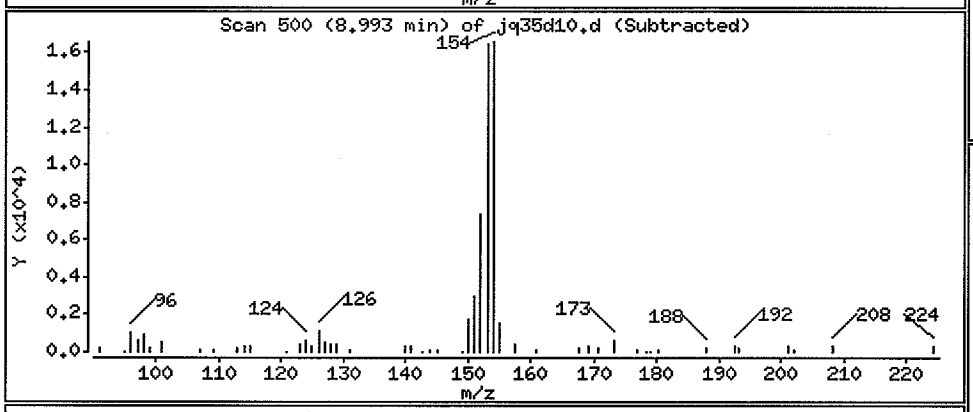
Column phase: ZB-5

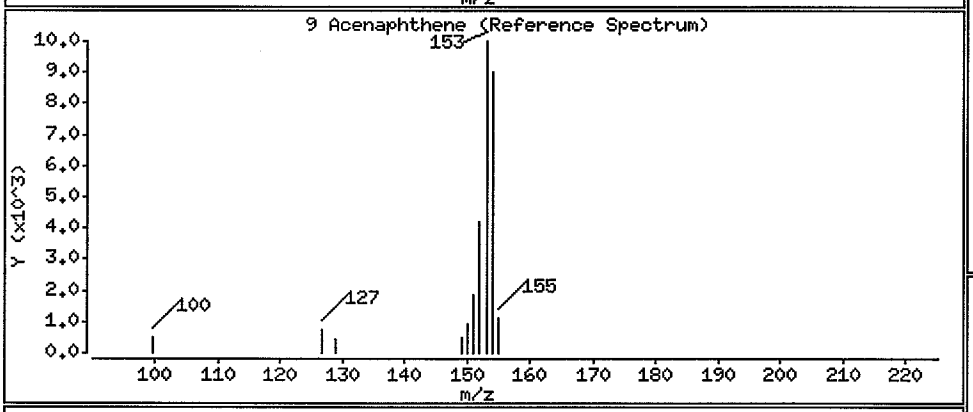
Column diameter: 0.25

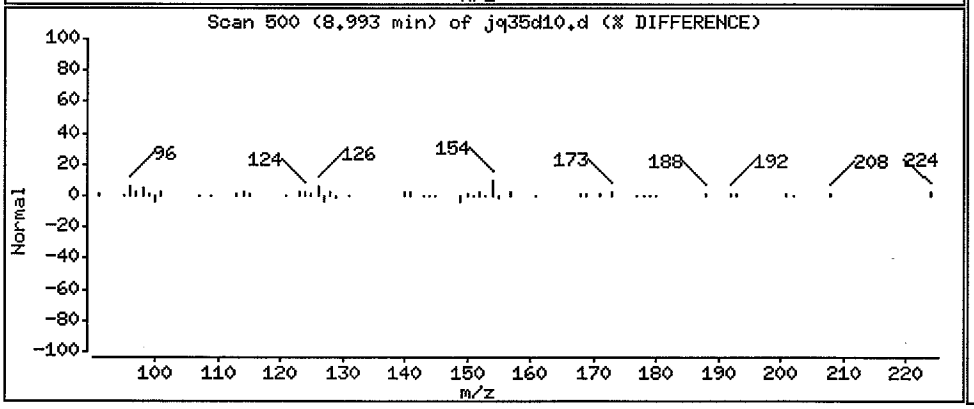
9 Acenaphthene

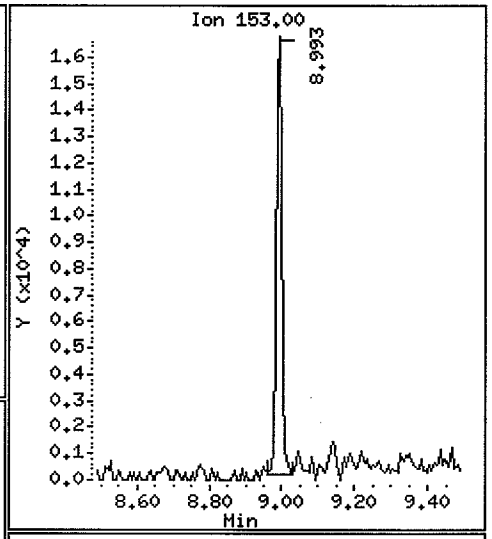
Concentration: 717.5 ug/kg

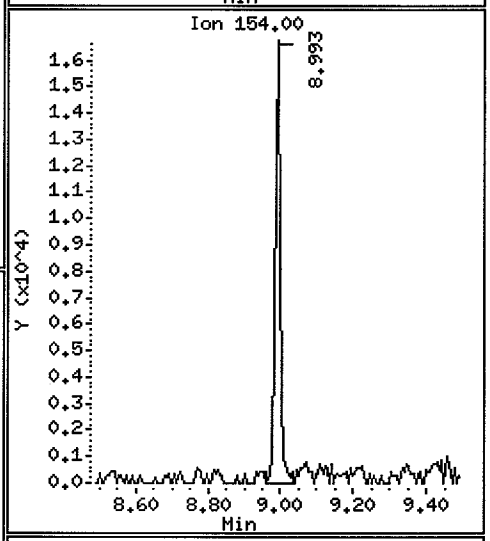


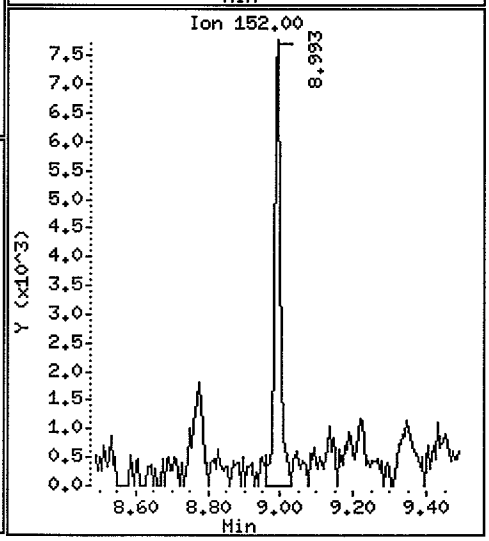












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

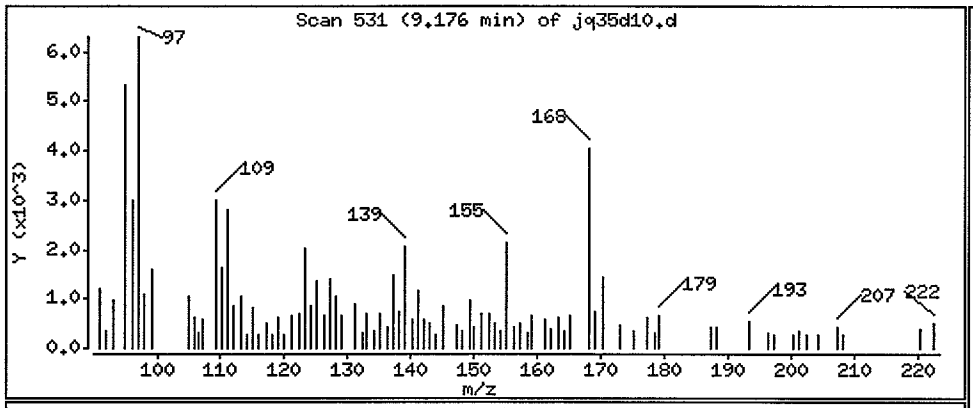
Operator: VTS

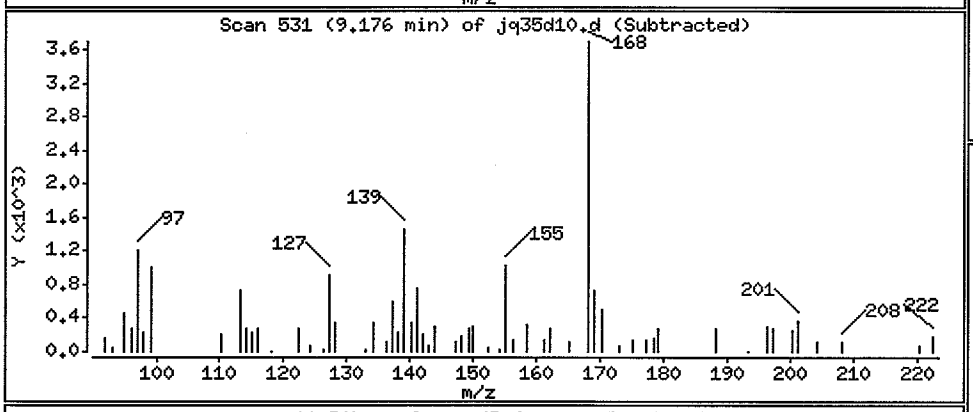
Column phase: ZB-5

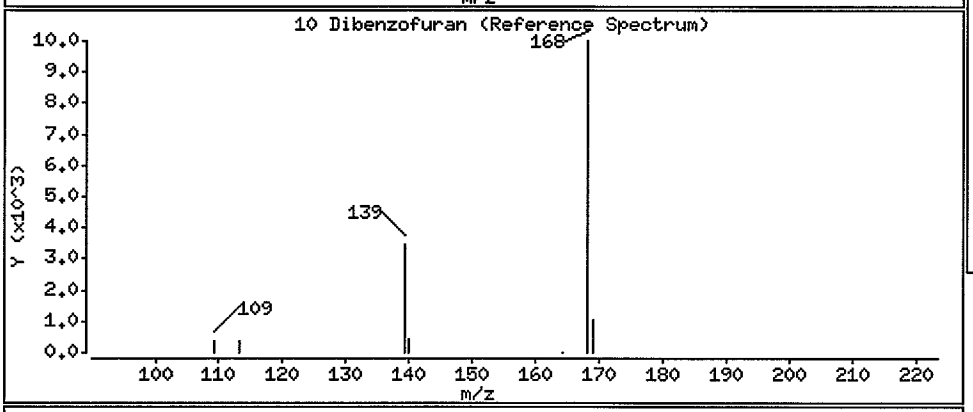
Column diameter: 0.25

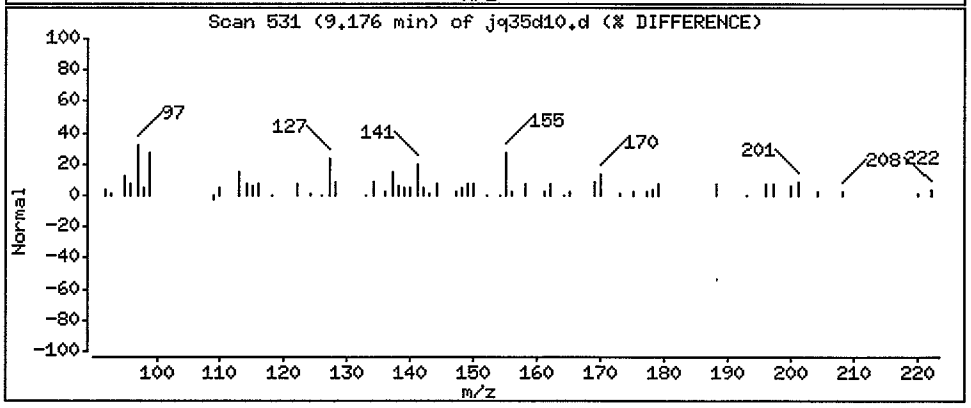
10 Dibenzofuran

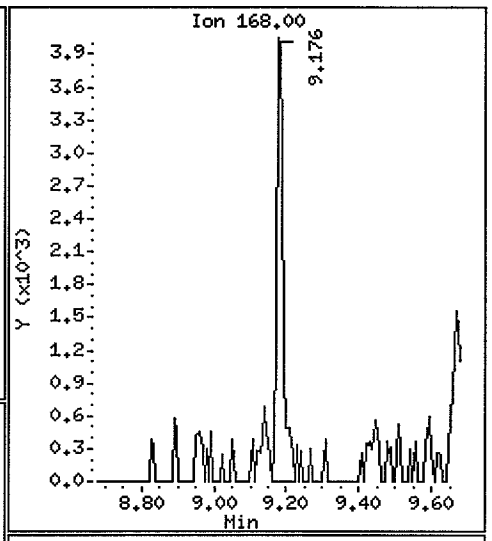
Concentration: 138.9 ug/kg

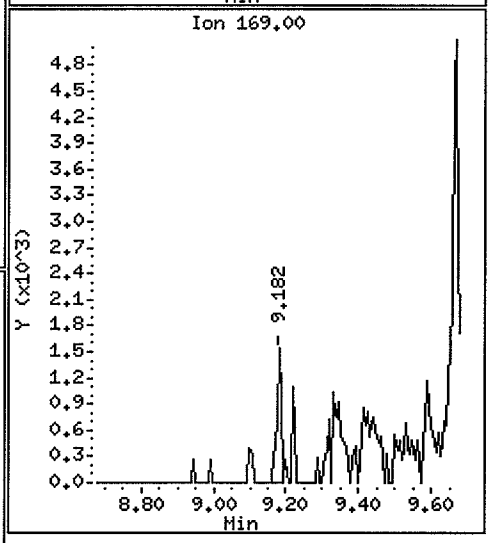












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

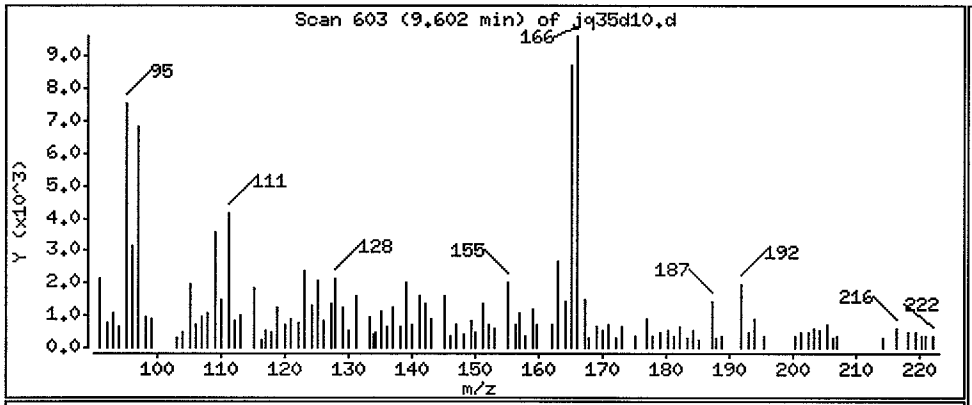
Operator: VTS

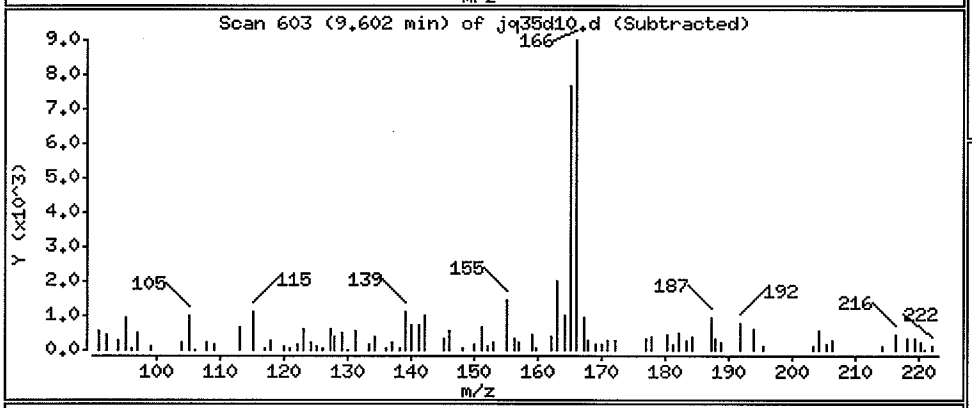
Column phase: ZB-5

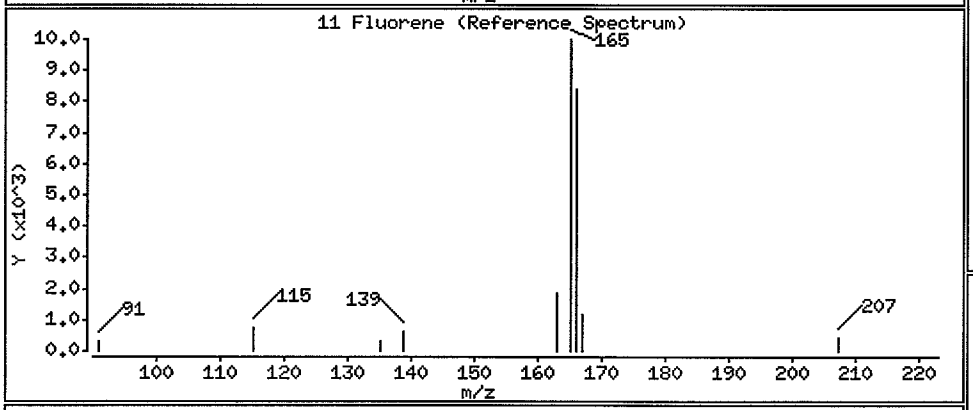
Column diameter: 0.25

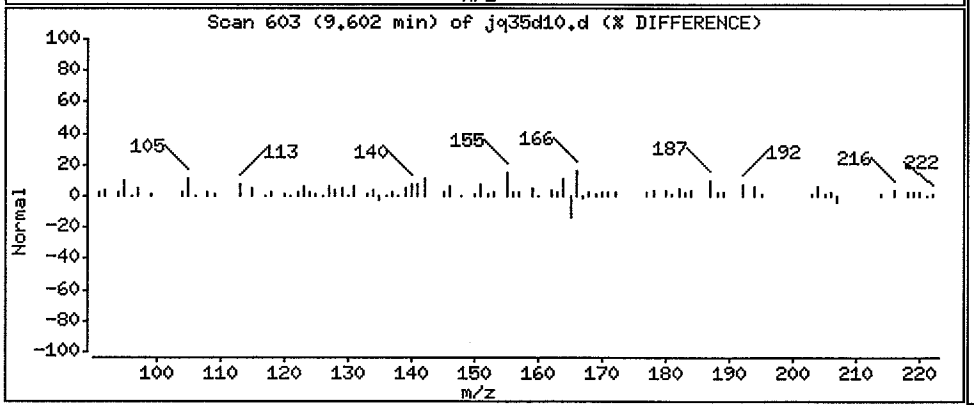
11 Fluorene

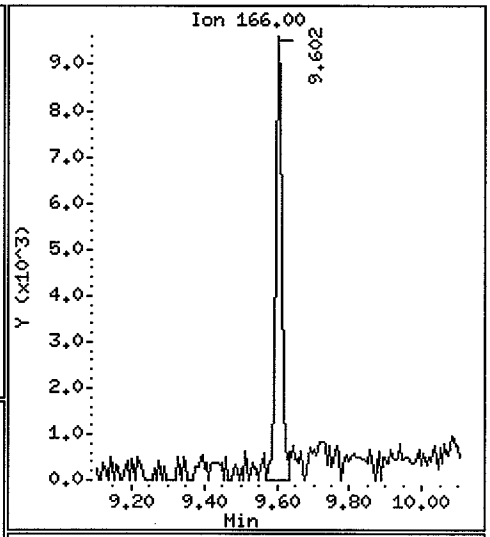
Concentration: 399.6 ug/kg

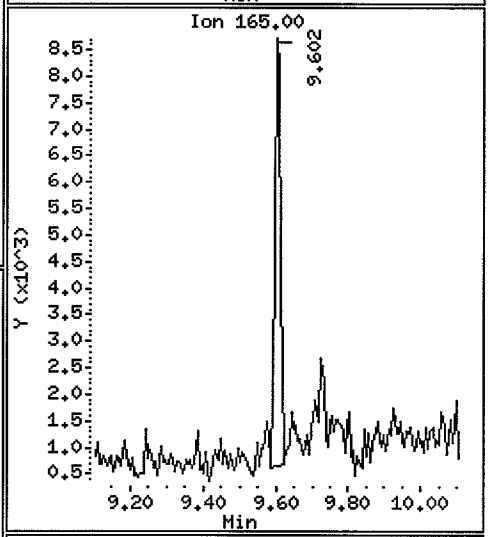


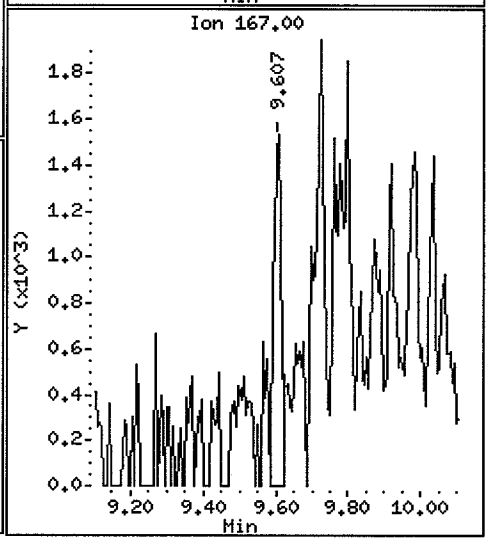












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

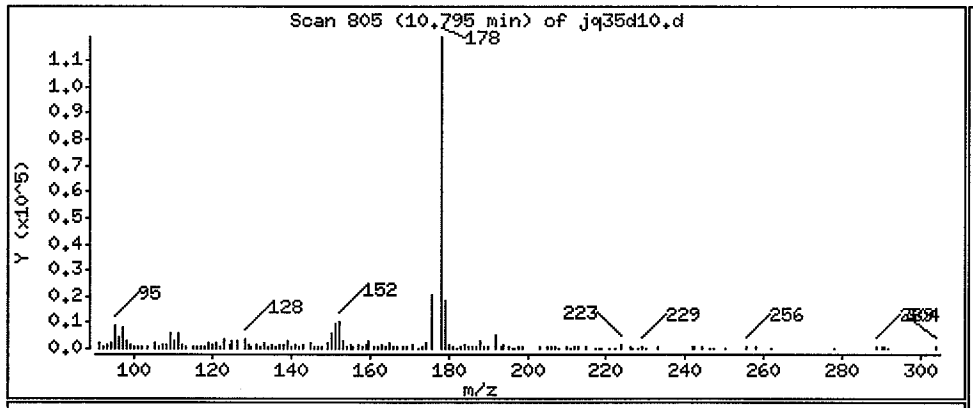
Operator: VTS

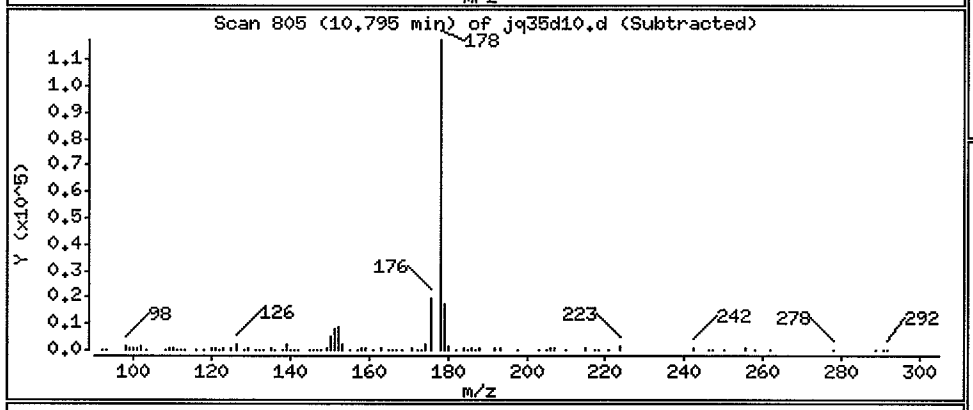
Column phase: ZB-5

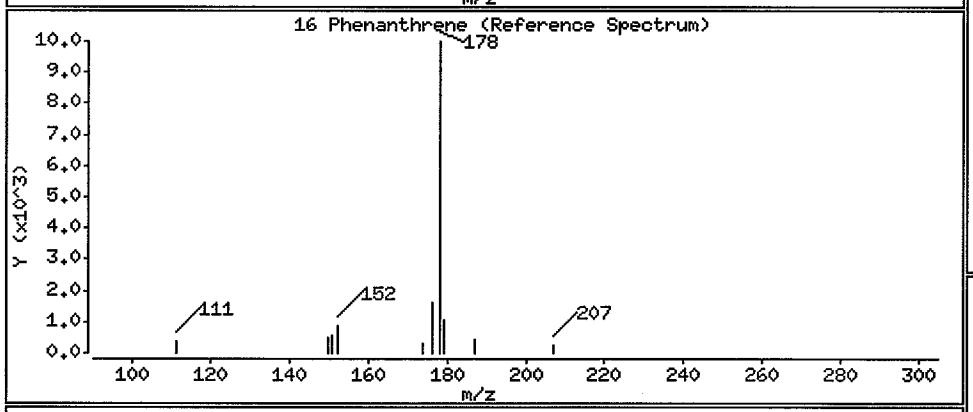
Column diameter: 0.25

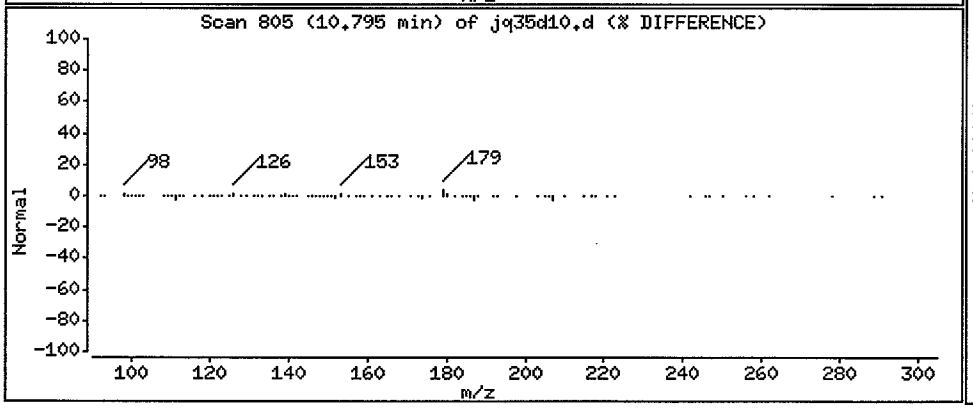
16 Phenanthrene

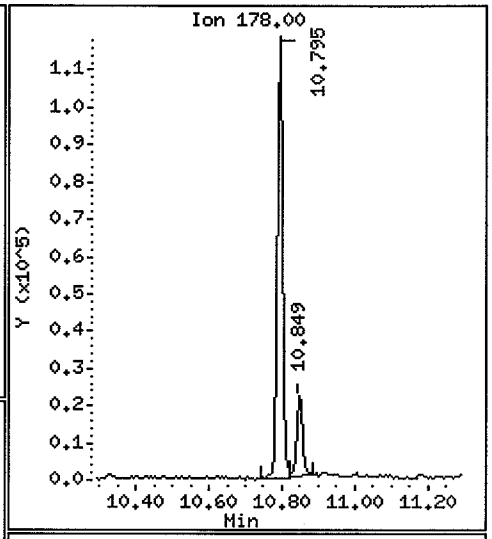
Concentration: 2982 ug/kg

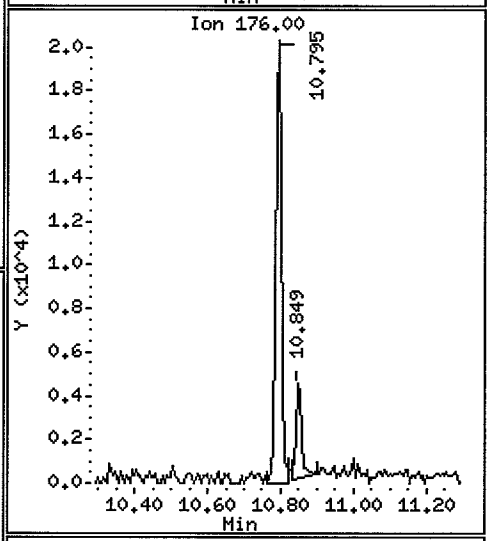


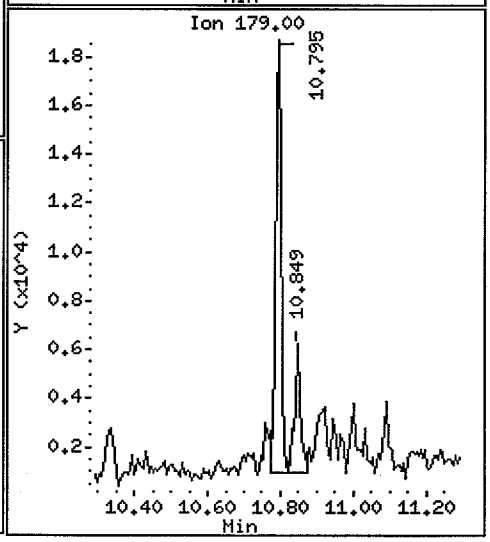












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

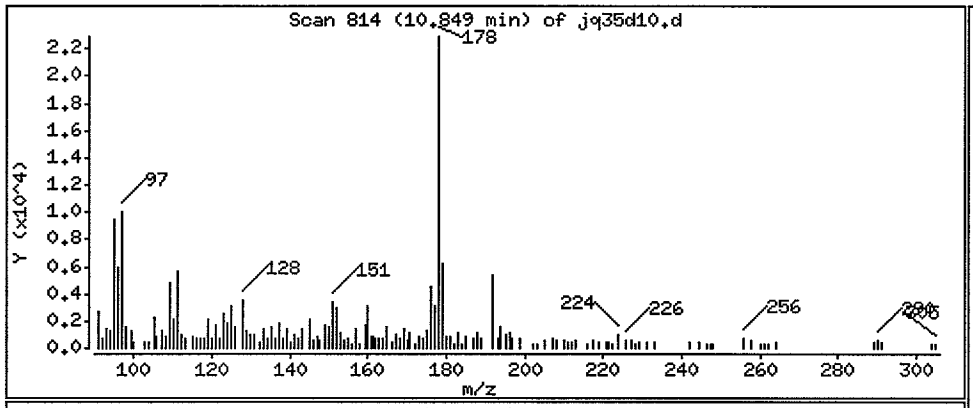
Operator: VTS

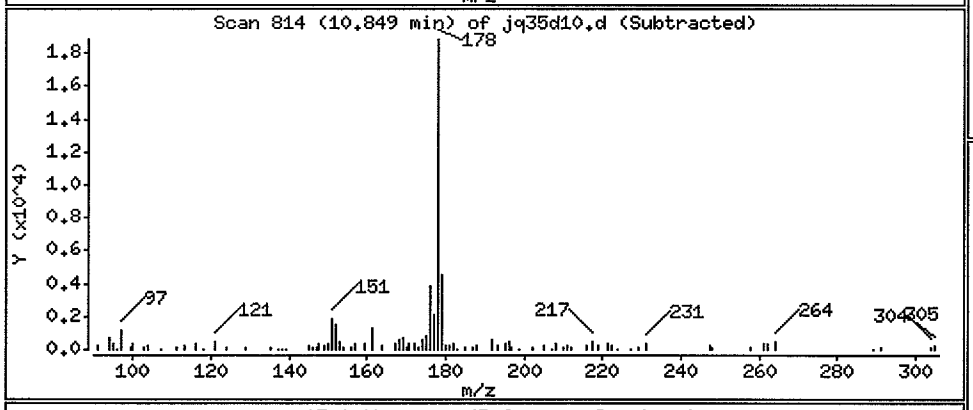
Column phase: ZB-5

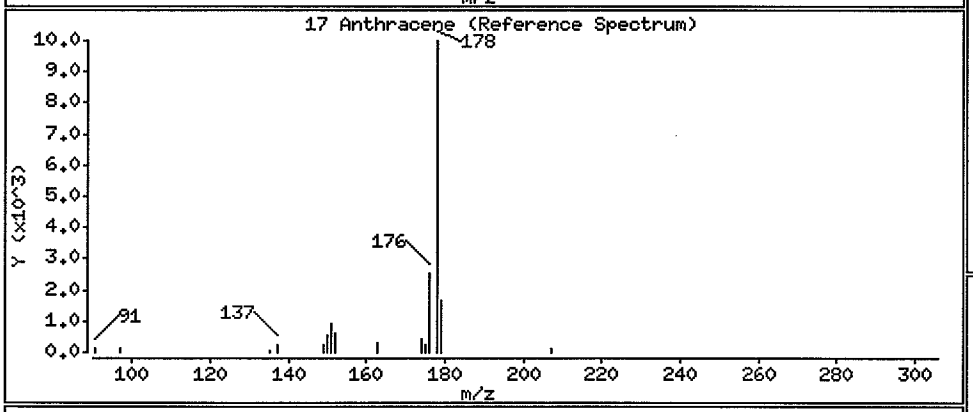
Column diameter: 0.25

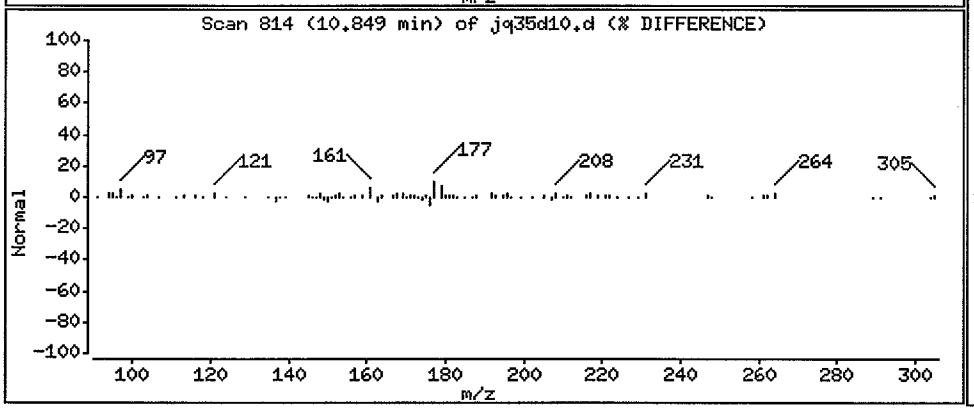
17 Anthracene

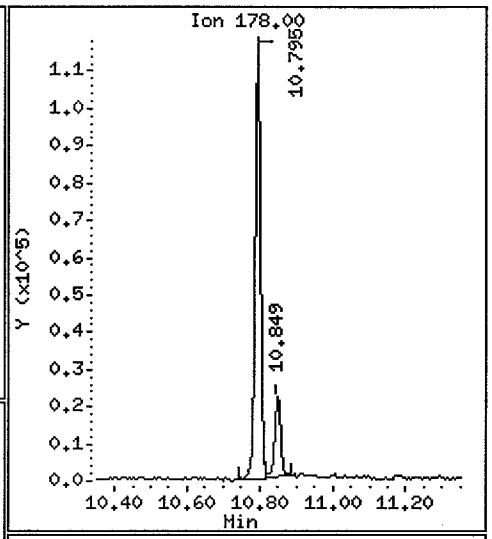
Concentration: 621.9 ug/kg

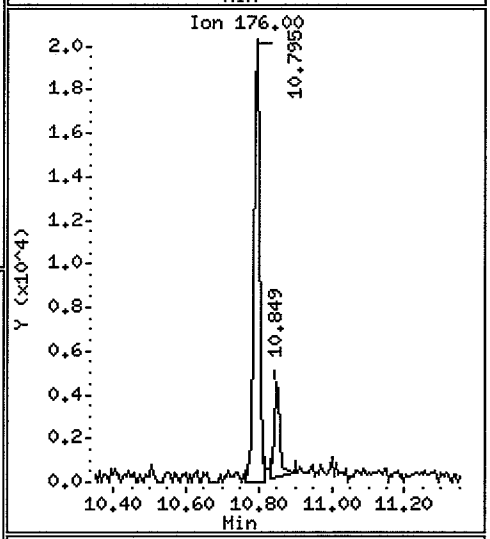


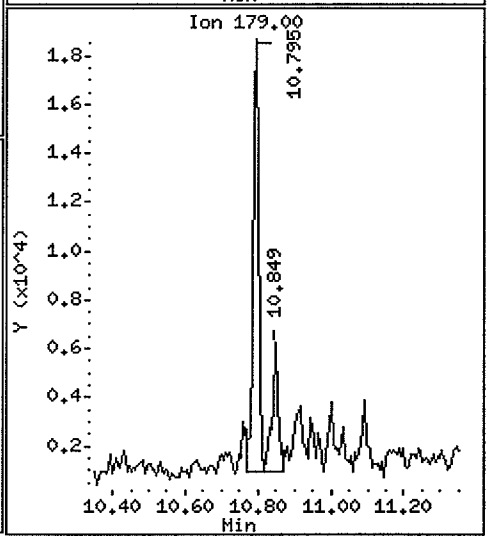












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

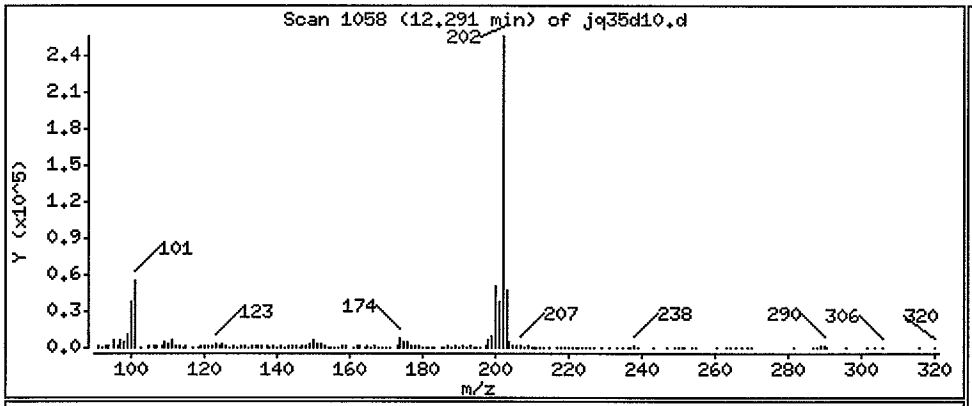
Operator: VTS

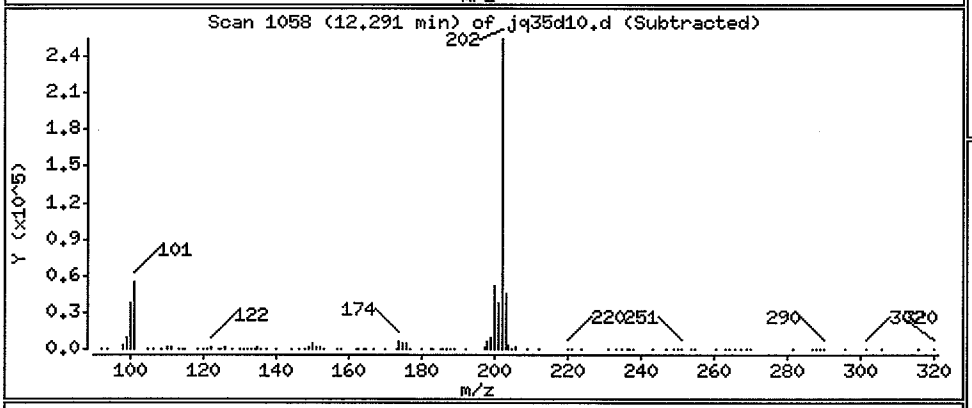
Column phase: ZB-5

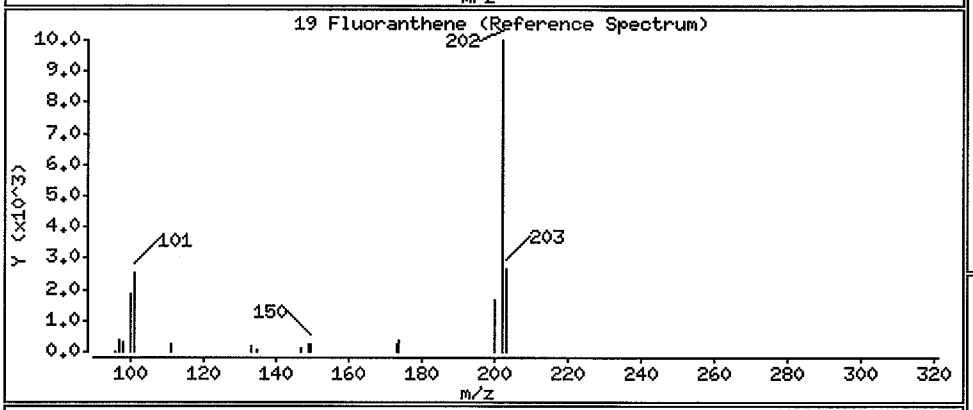
Column diameter: 0.25

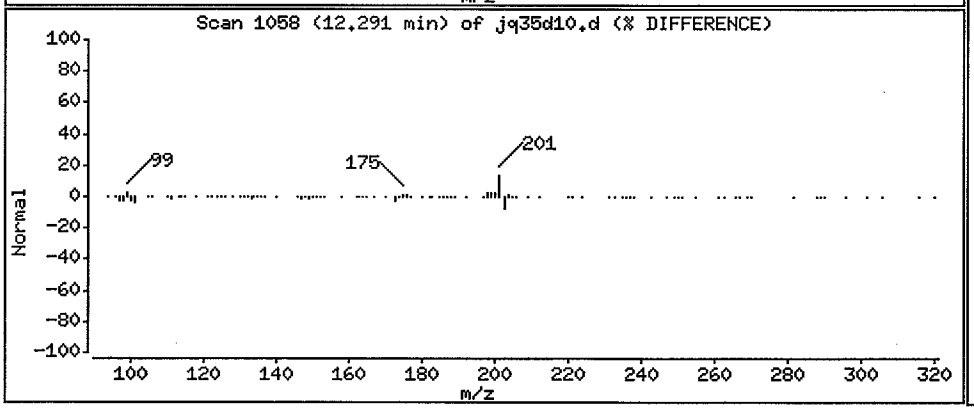
19 Fluoranthene

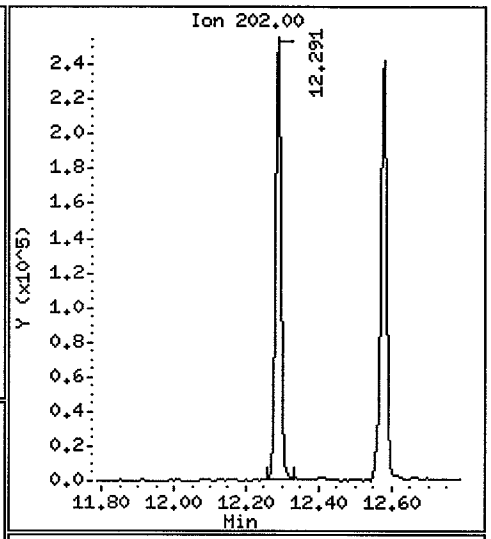
Concentration: 6612 ug/kg

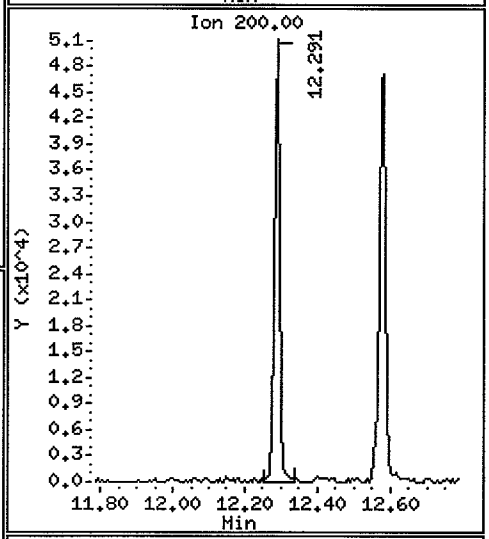


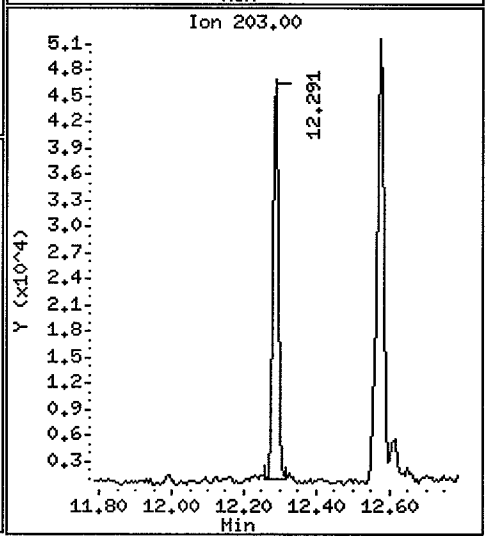












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

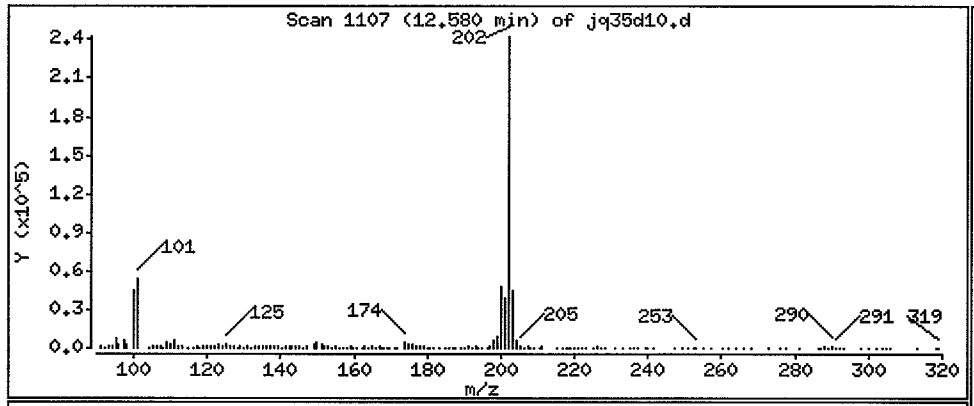
Operator: VTS

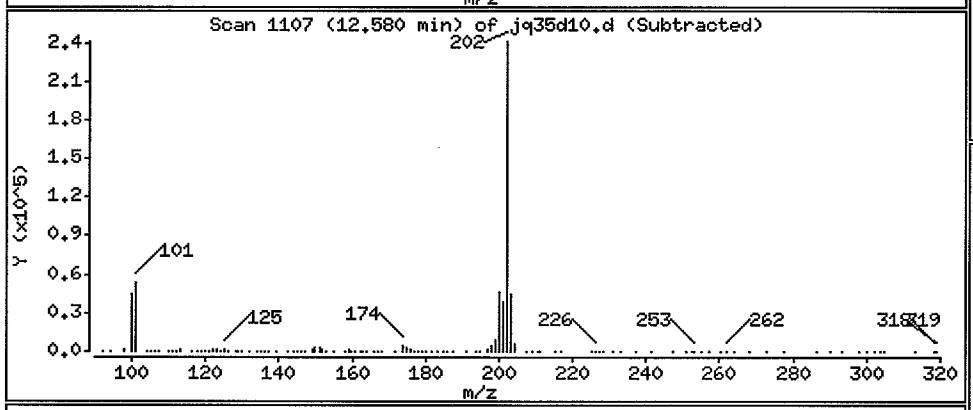
Column phase: ZB-5

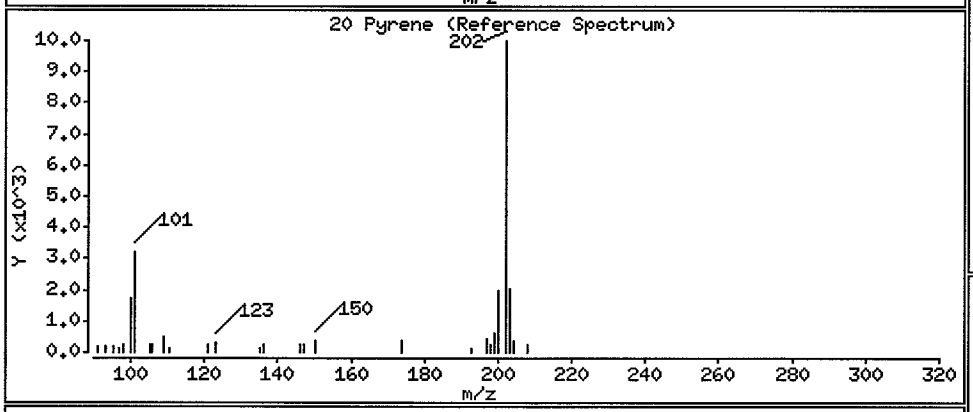
Column diameter: 0.25

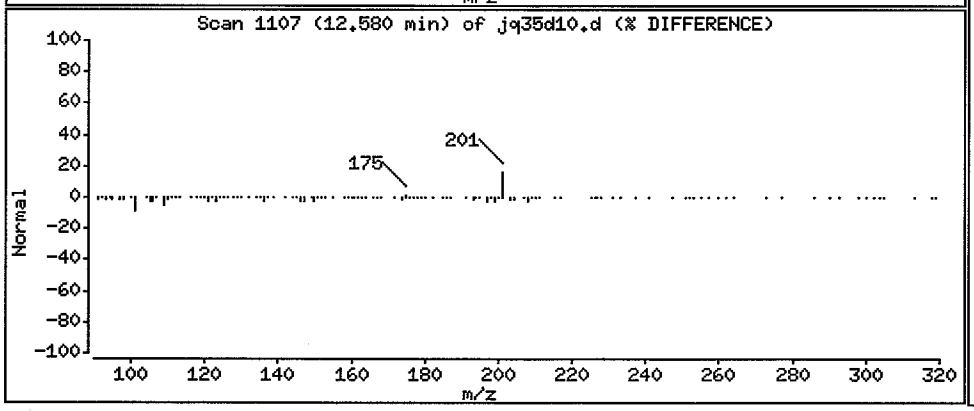
20 Pyrene

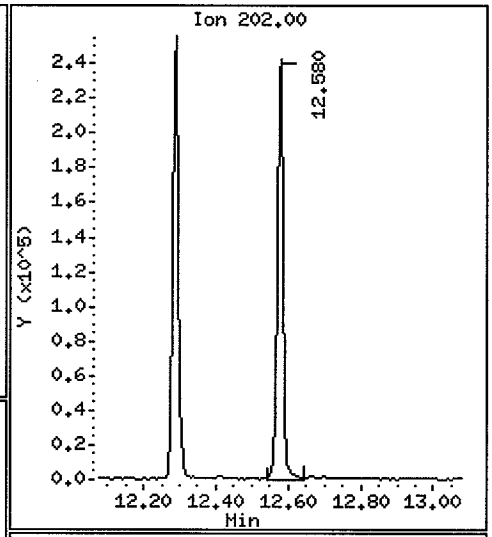
Concentration: 6217 ug/kg

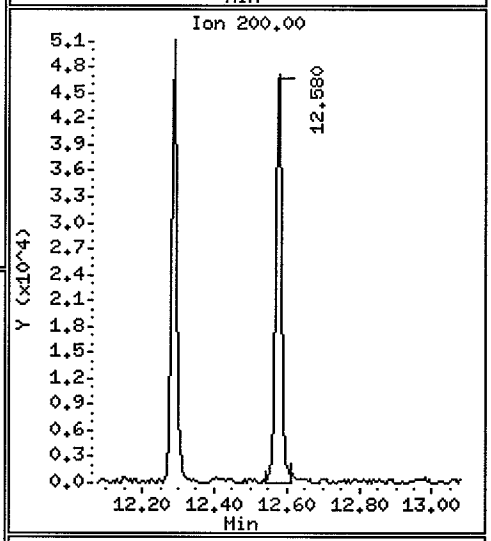


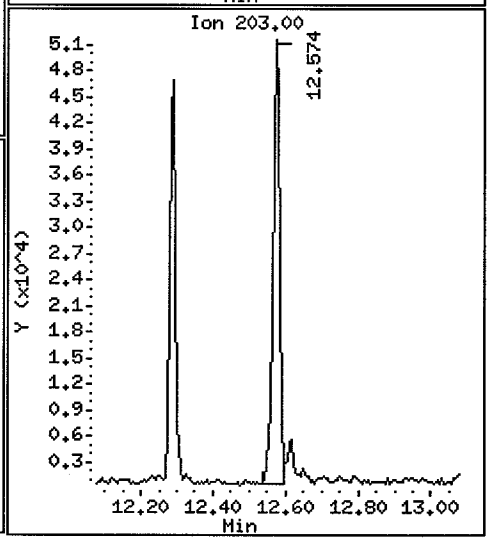












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

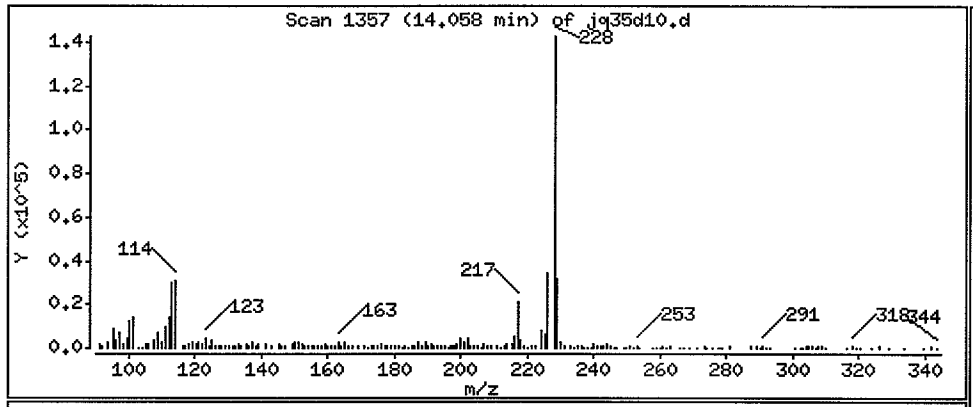
Operator: VTS

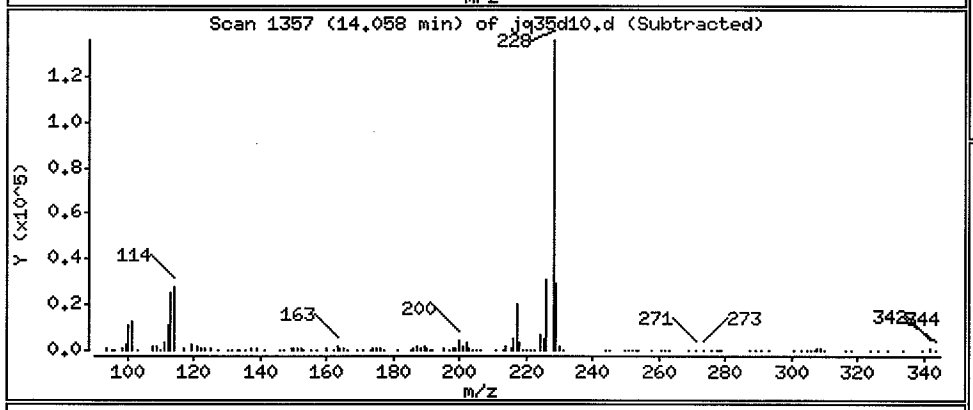
Column phase: ZB-5

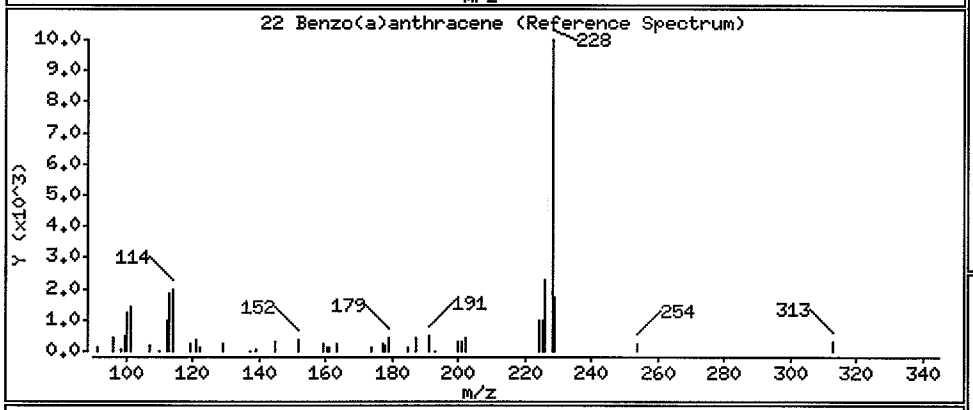
Column diameter: 0.25

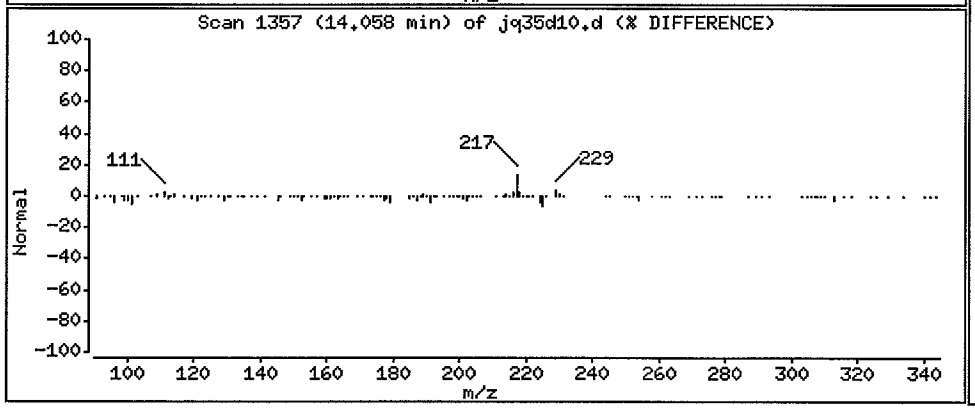
22 Benzo(a)anthracene

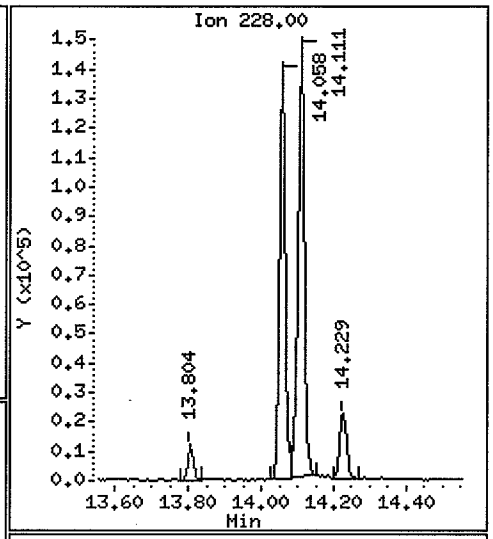
Concentration: 3729 ug/kg

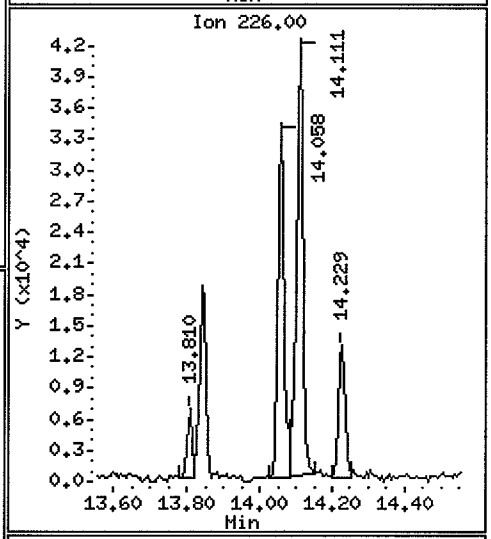


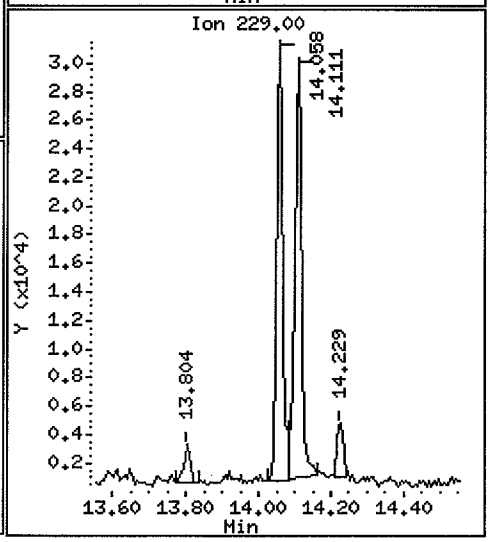












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

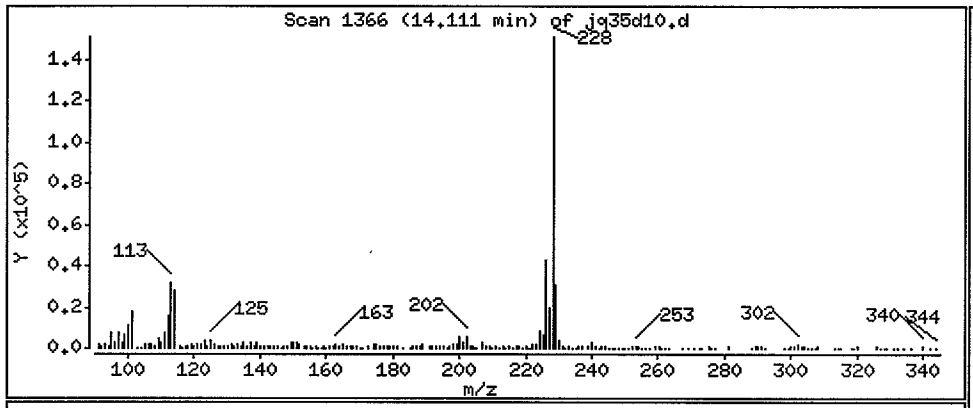
Operator: VTS

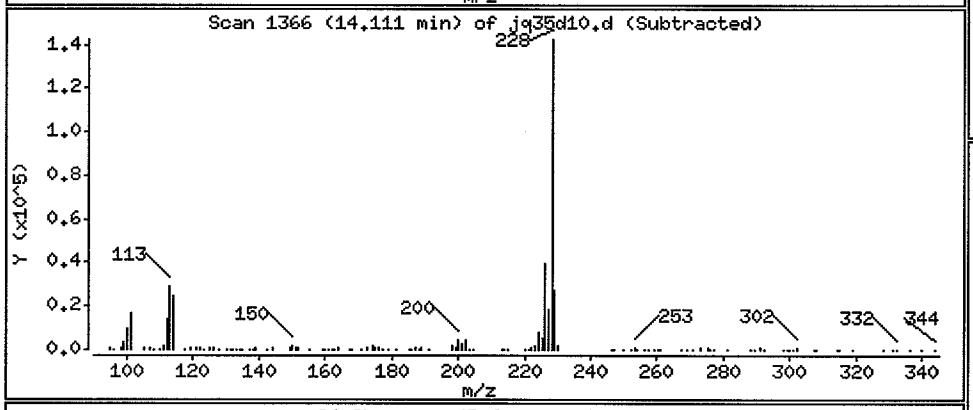
Column phase: ZB-5

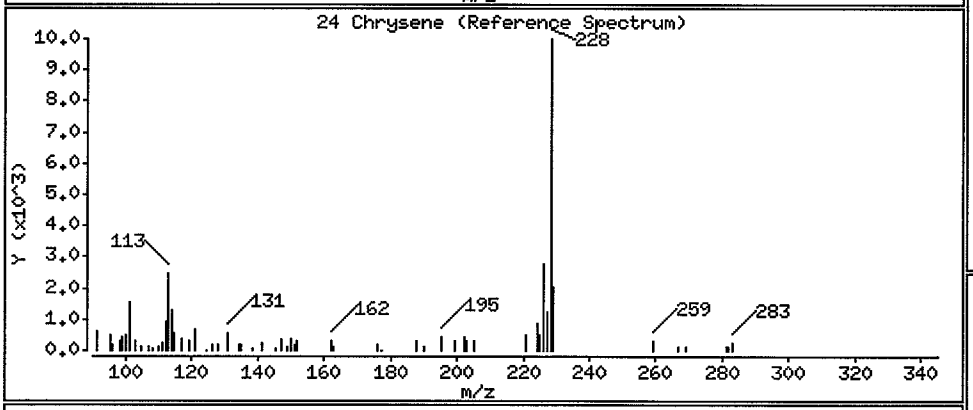
Column diameter: 0.25

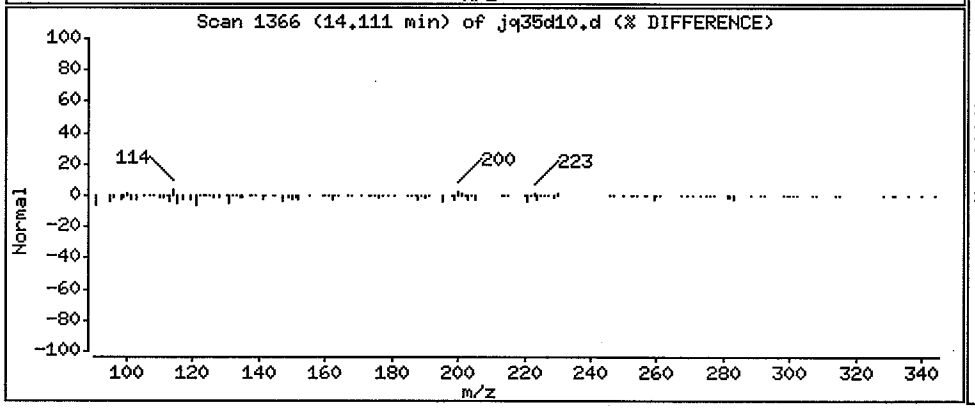
24 Chrysene

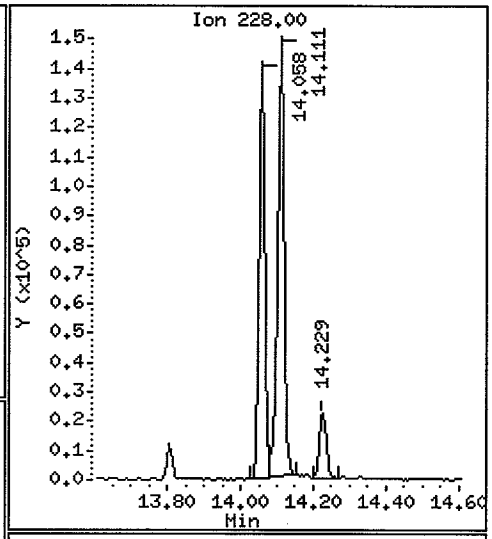
Concentration: 4729 ug/kg

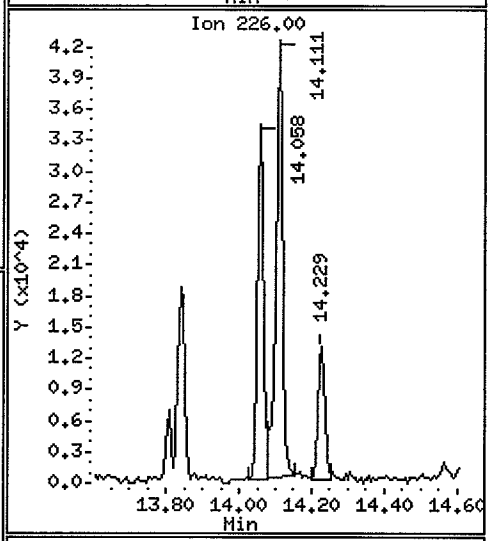


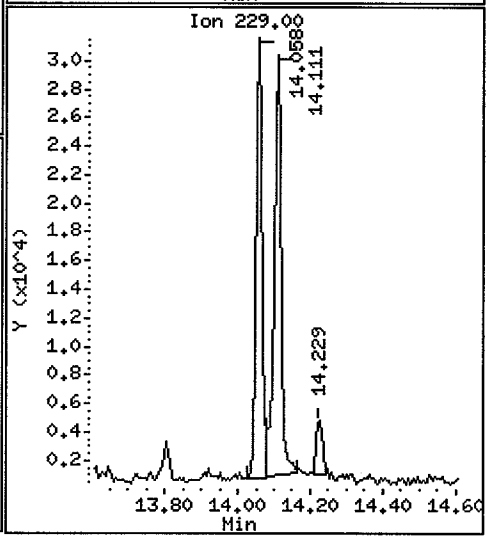












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

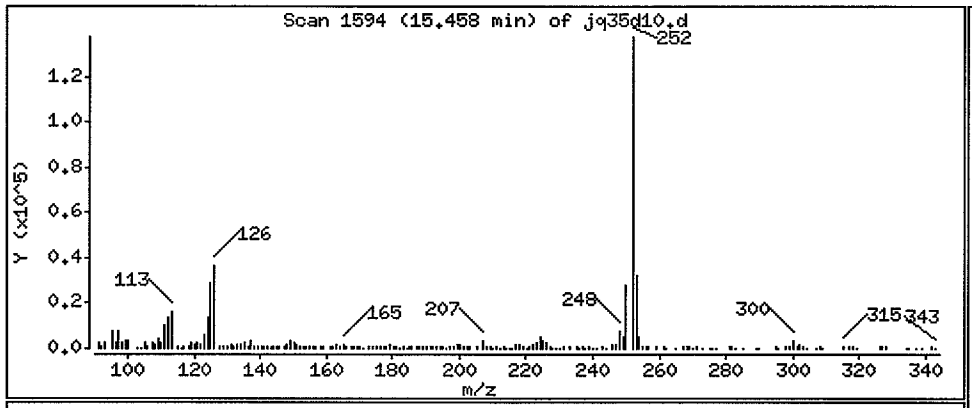
Operator: VTS

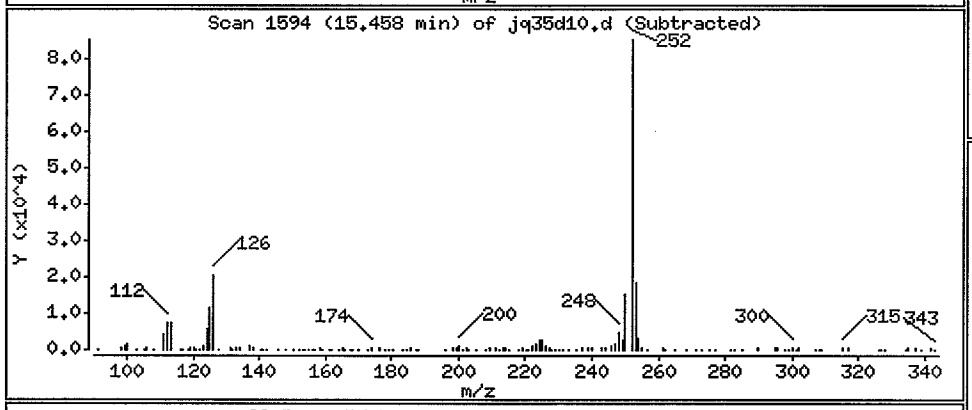
Column phase: ZB-5

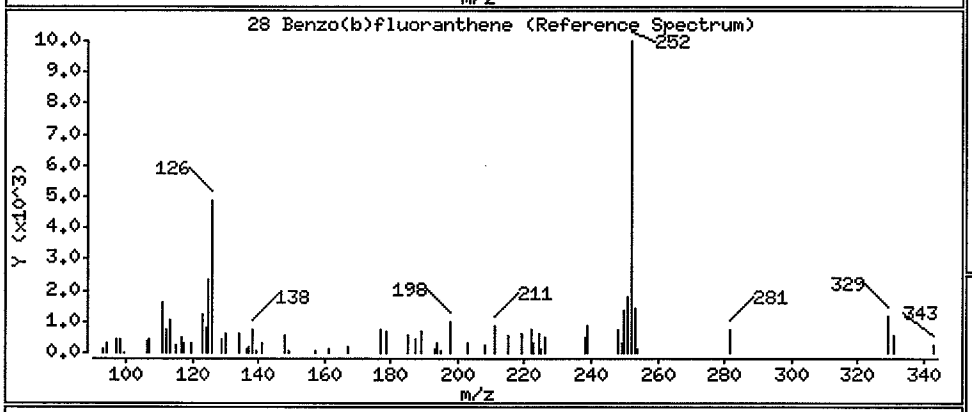
Column diameter: 0.25

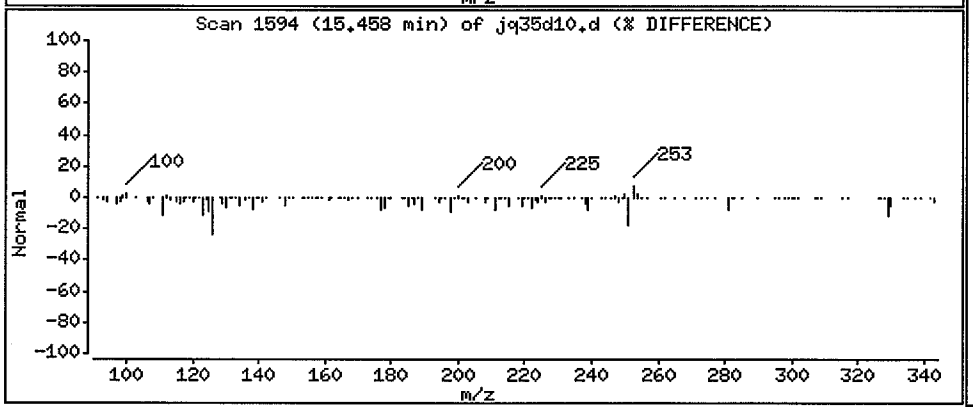
28 Benzo(b)fluoranthene

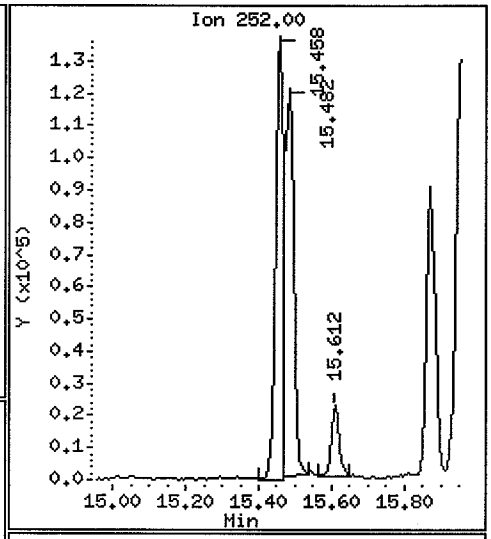
Concentration: 4904 ug/kg

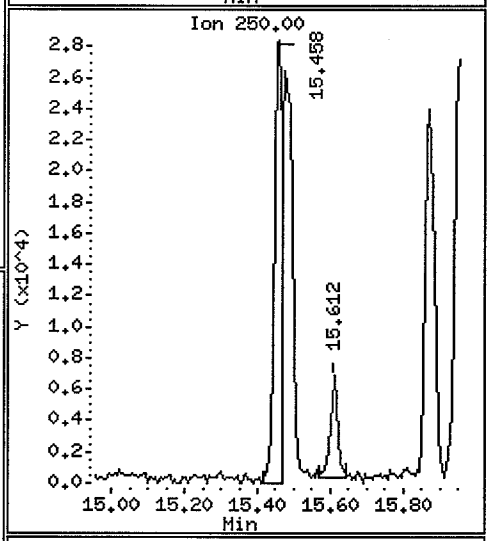


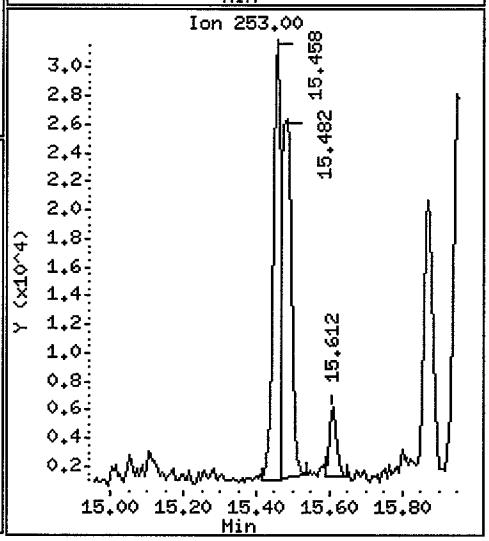












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

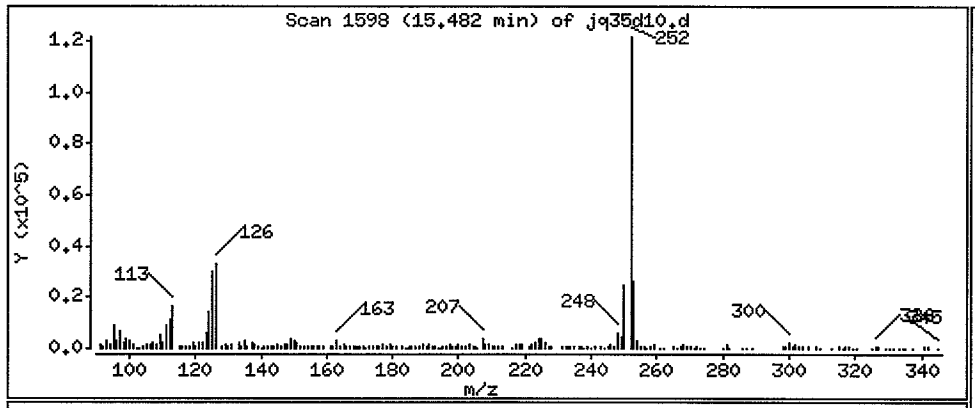
Operator: VTS

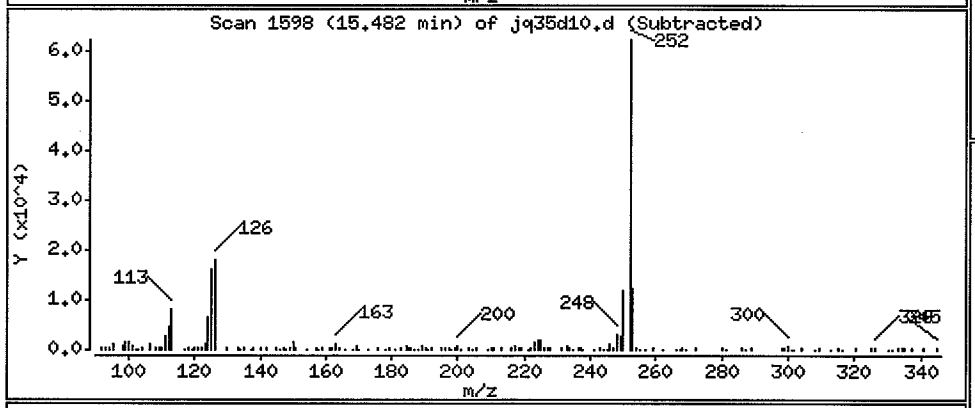
Column phase: ZB-5

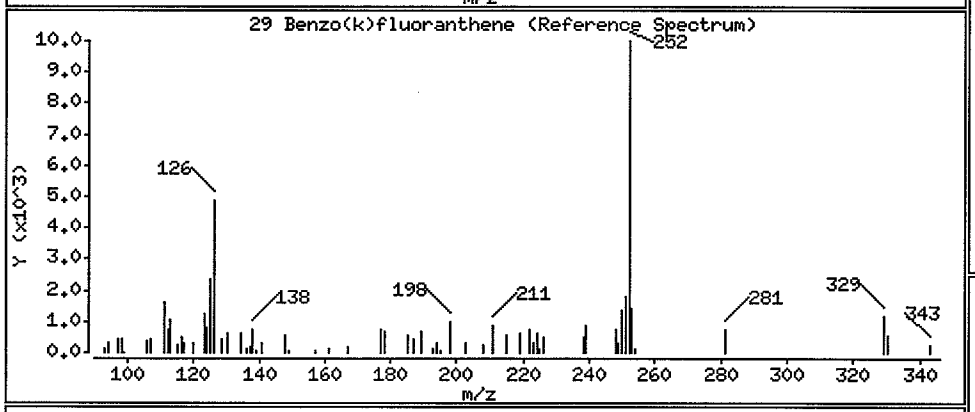
Column diameter: 0.25

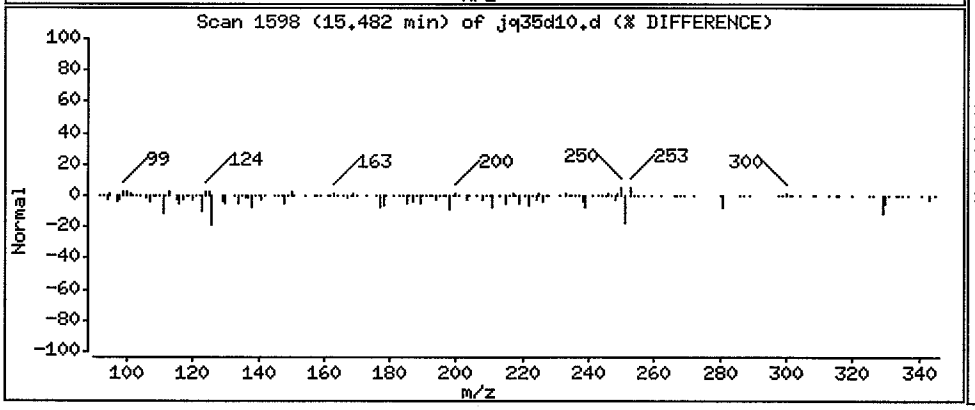
29 Benzo(k)fluoranthene

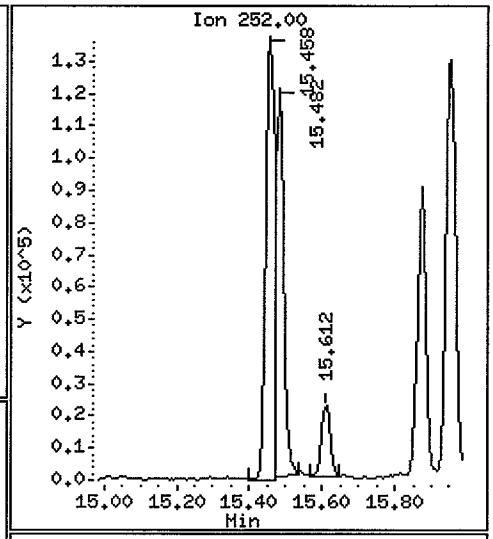
Concentration: 4172 ug/kg

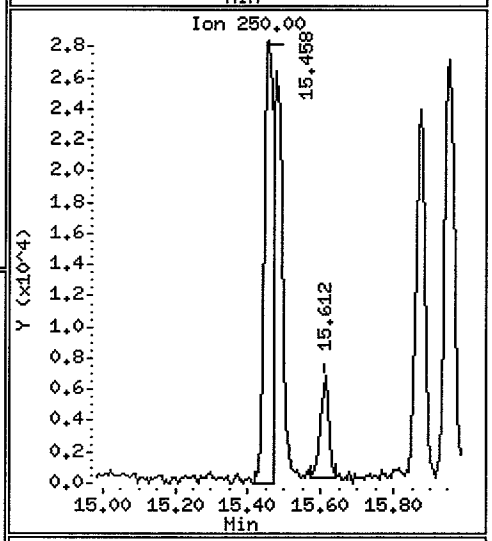


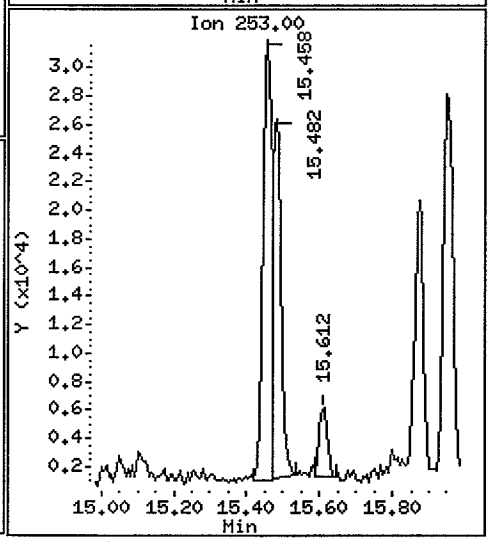












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

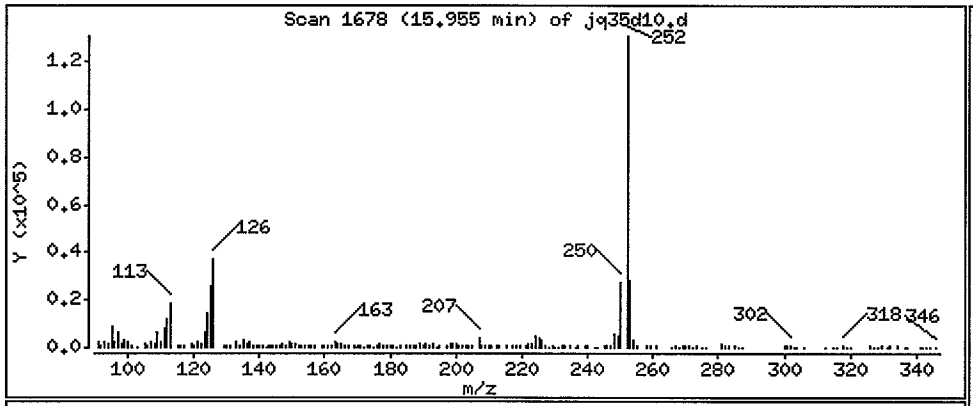
Operator: VTS

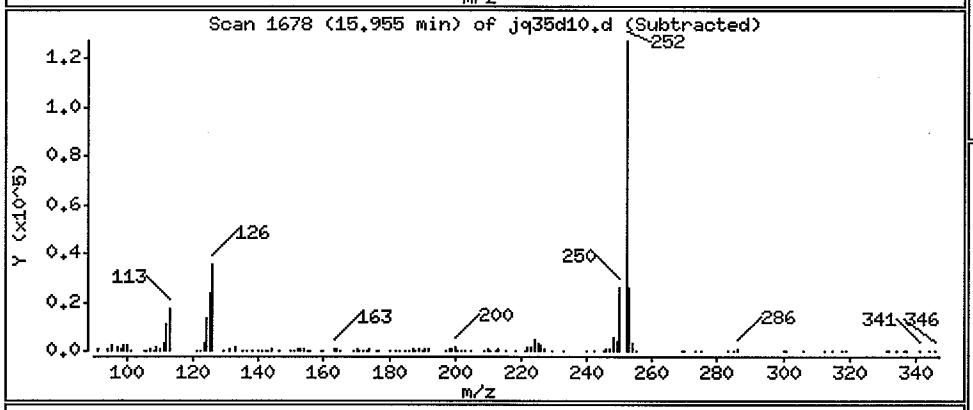
Column phase: ZB-5

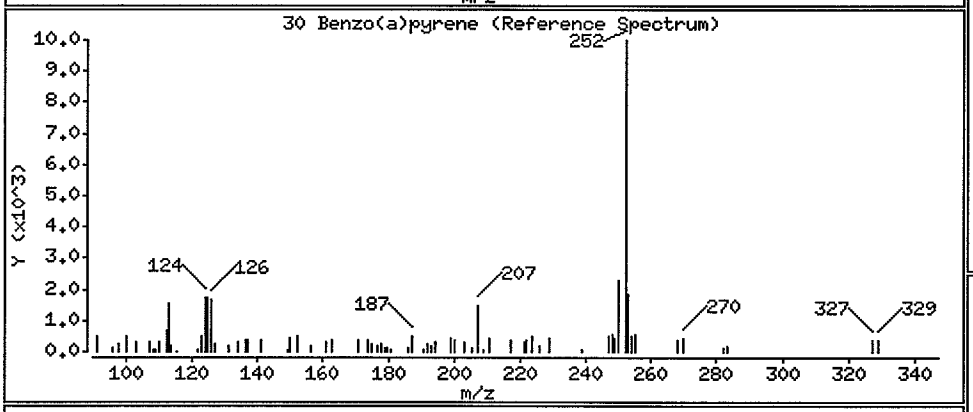
Column diameter: 0.25

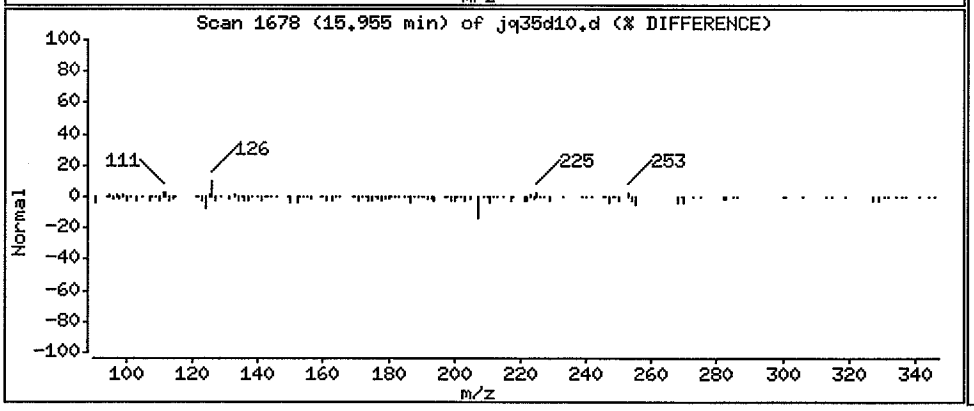
30 Benzo(a)pyrene

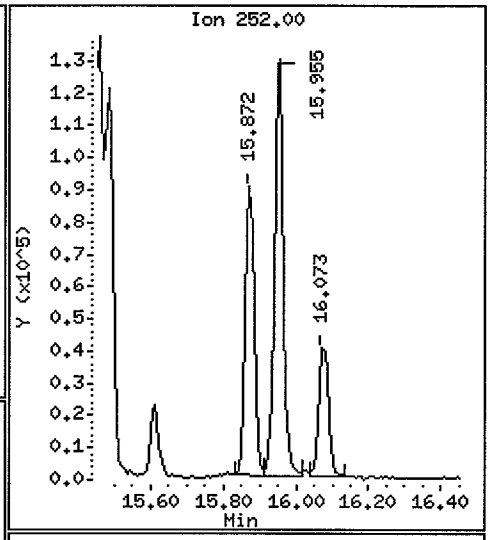
Concentration: 5105 ug/kg

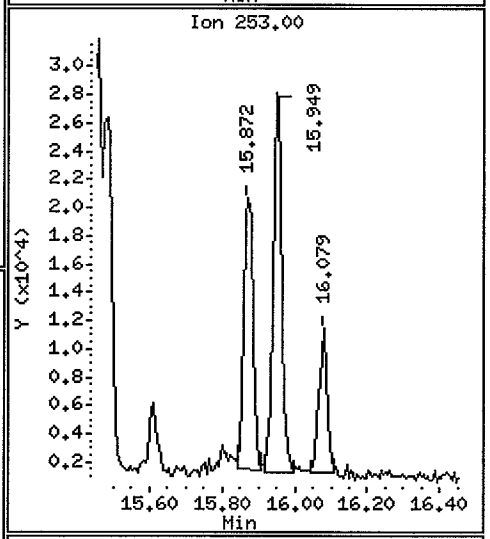


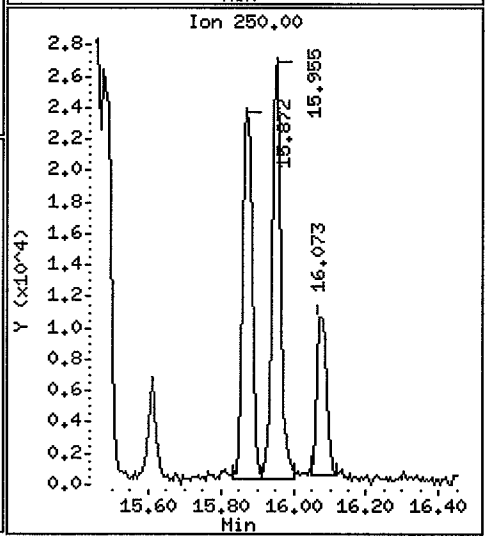












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

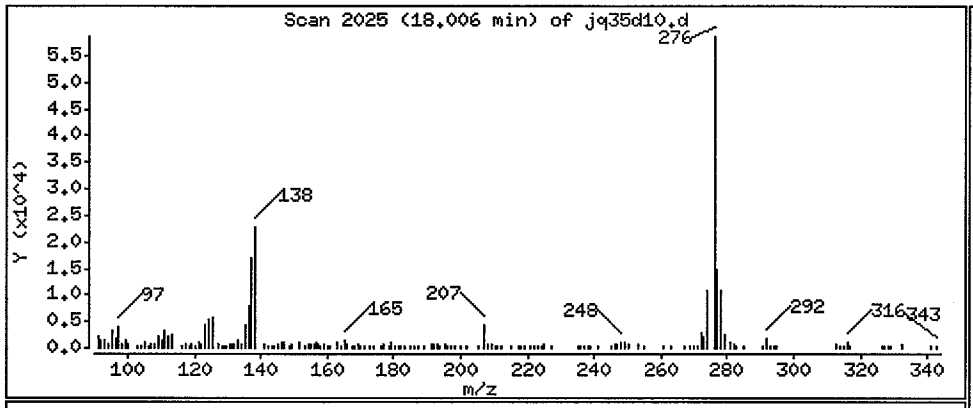
Operator: VTS

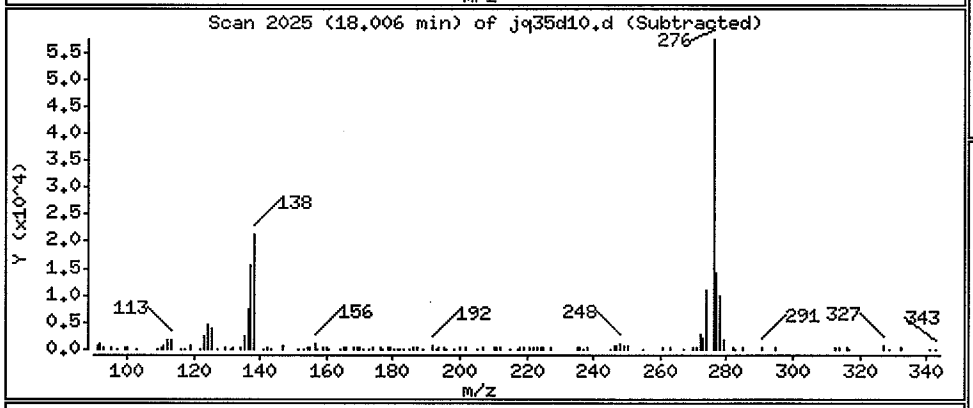
Column phase: ZB-5

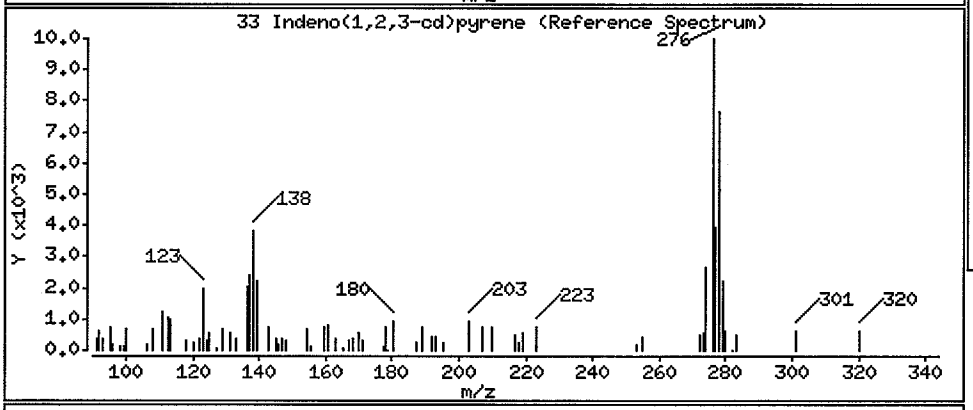
Column diameter: 0.25

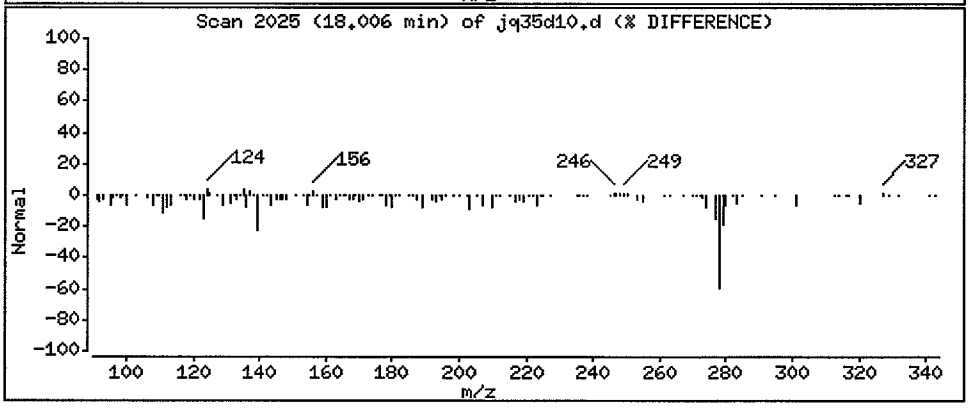
33 Indeno(1,2,3-cd)pyrene

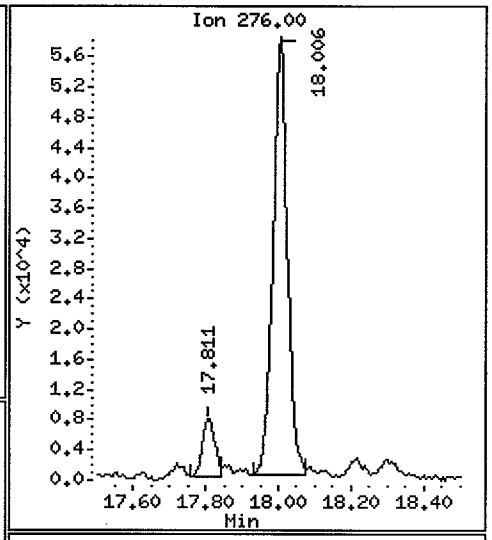
Concentration: 3142 ug/kg

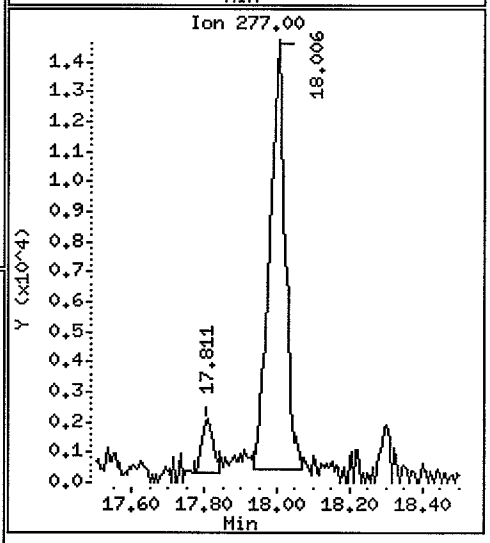












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

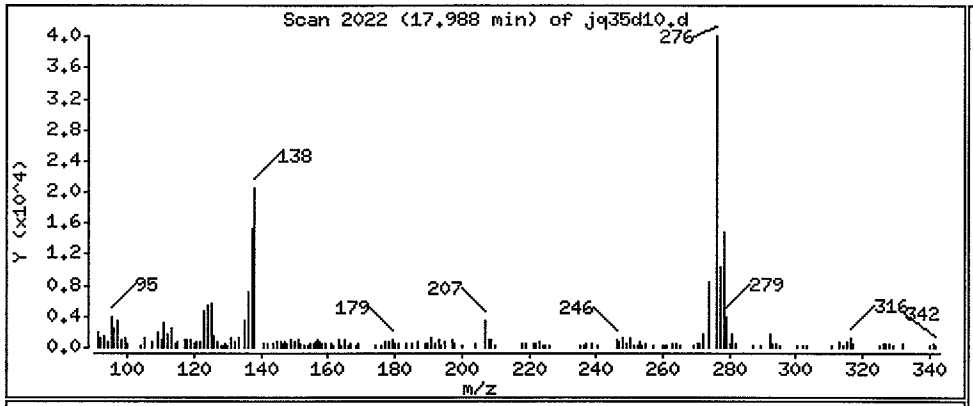
Operator: VTS

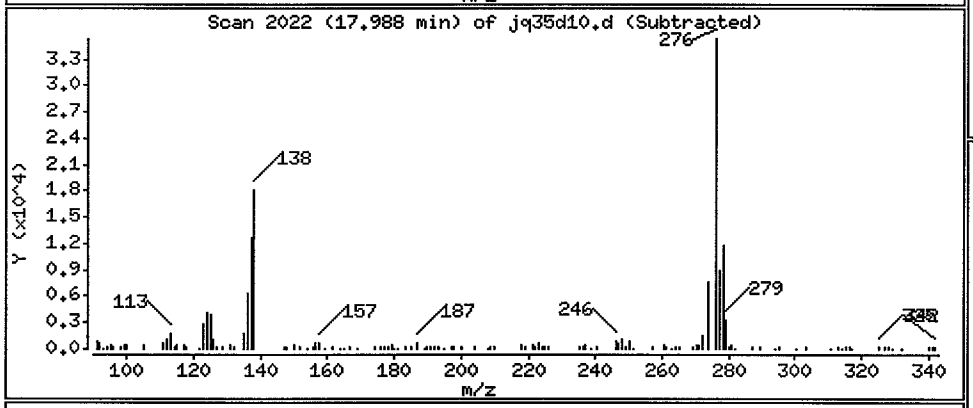
Column phase: ZB-5

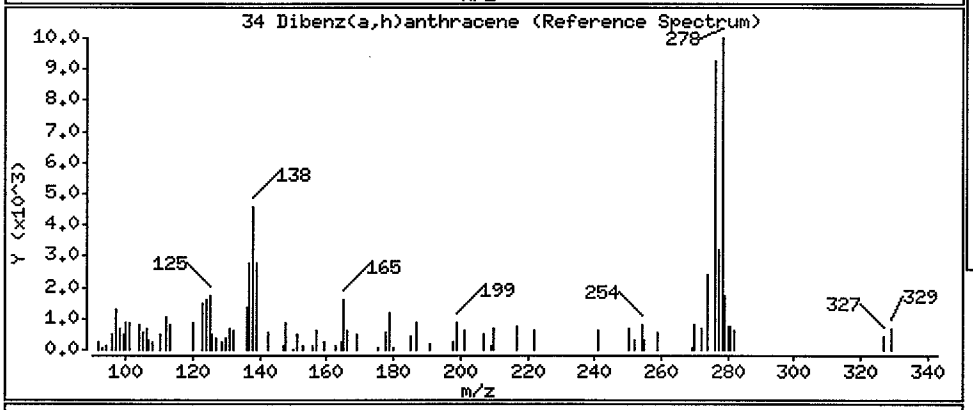
Column diameter: 0.25

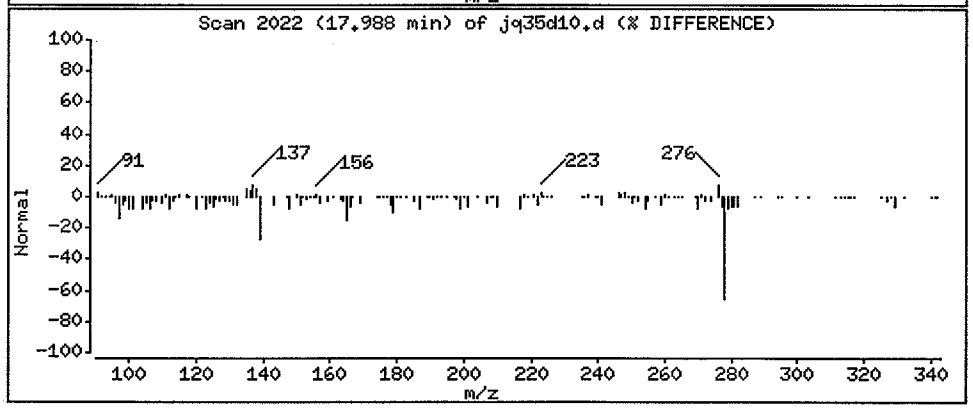
34 Dibenz(a,h)anthracene

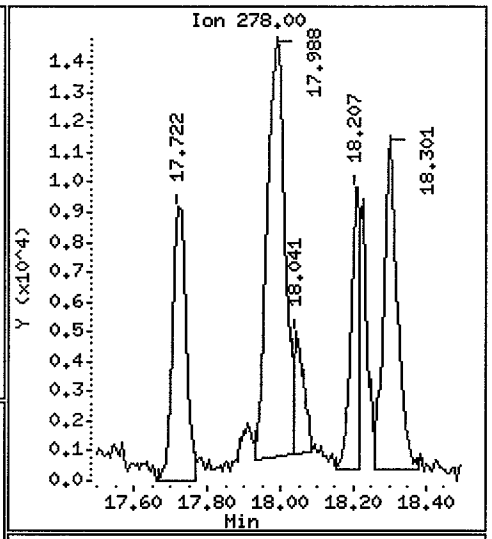
Concentration: 1143 ug/kg

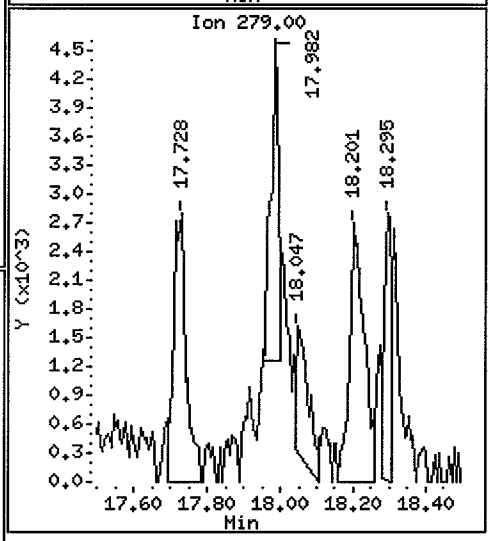












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

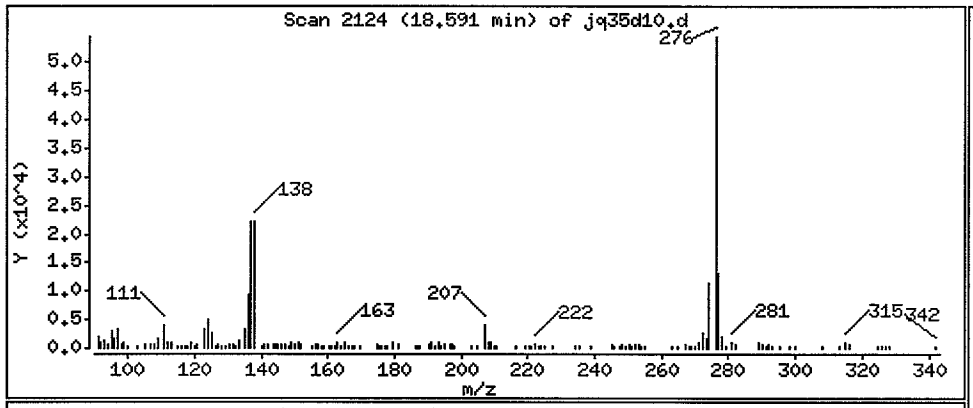
Operator: VTS

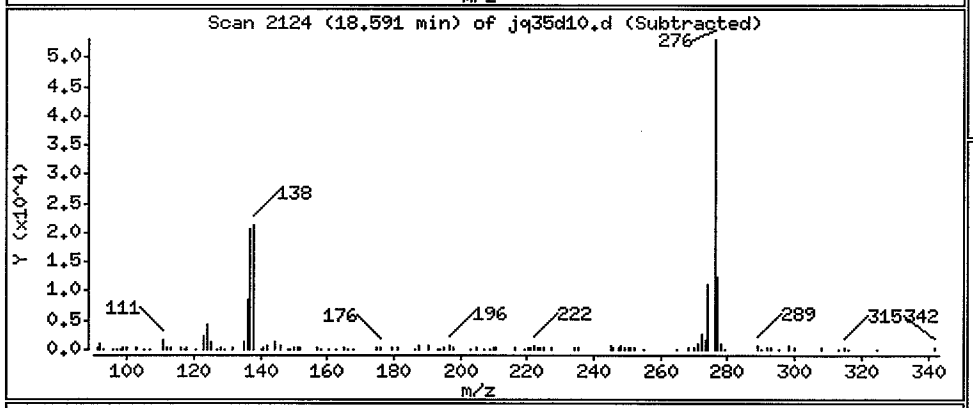
Column phase: ZB-5

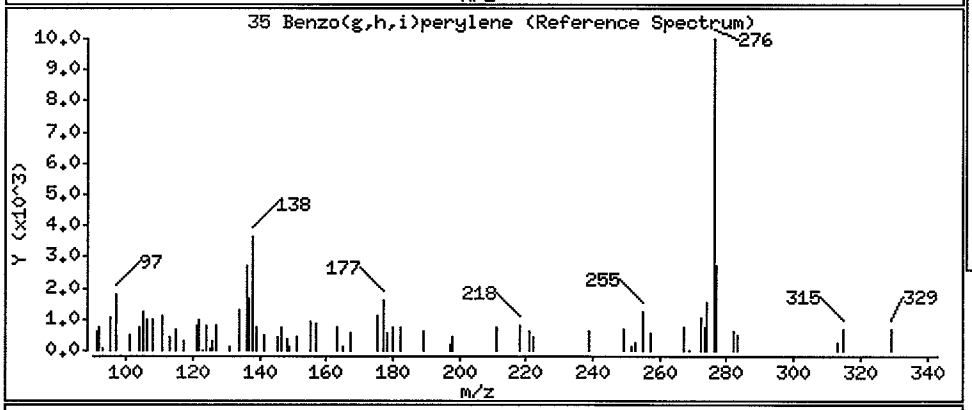
Column diameter: 0.25

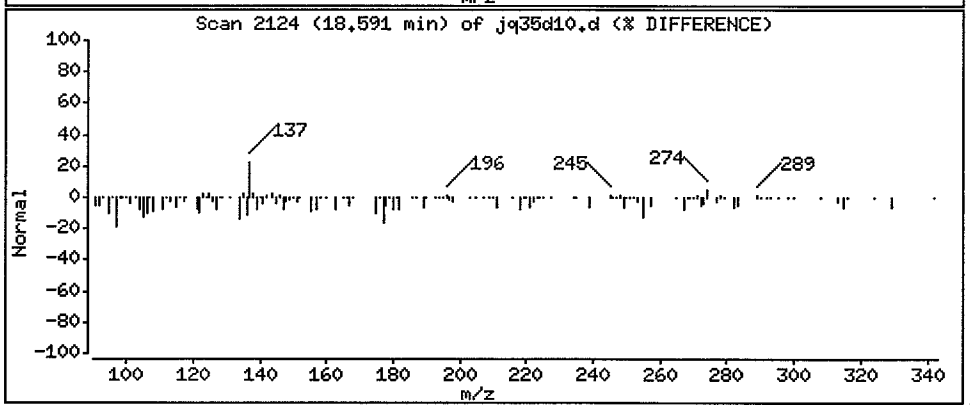
35 Benzo(g,h,i)perylene

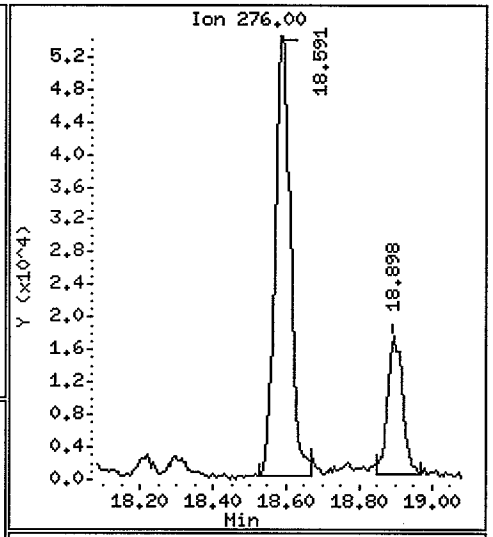
Concentration: 3723 ug/kg

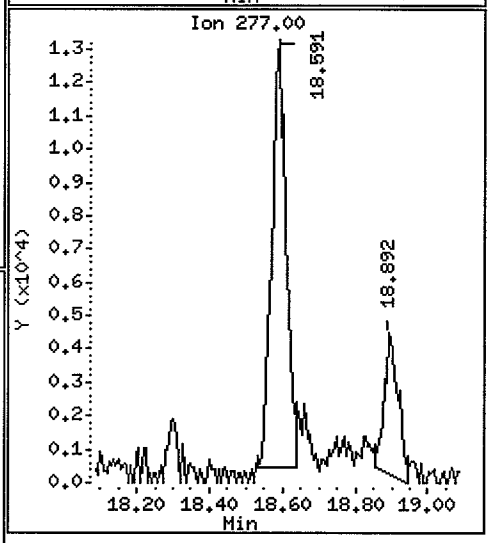












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

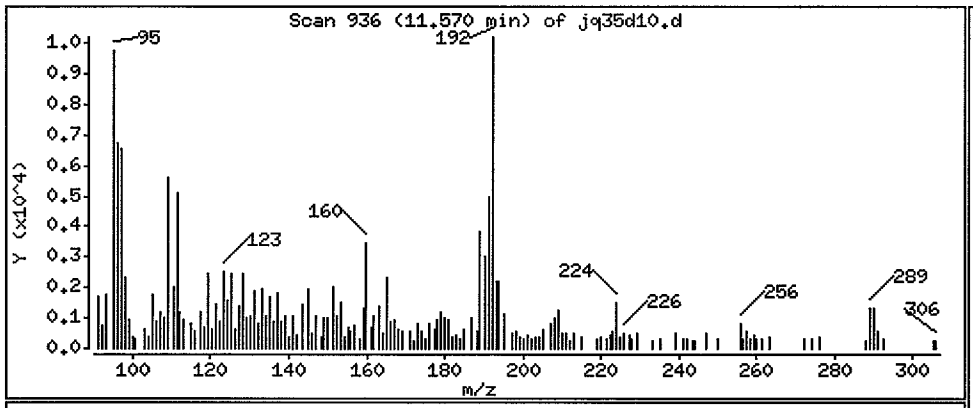
Operator: VTS

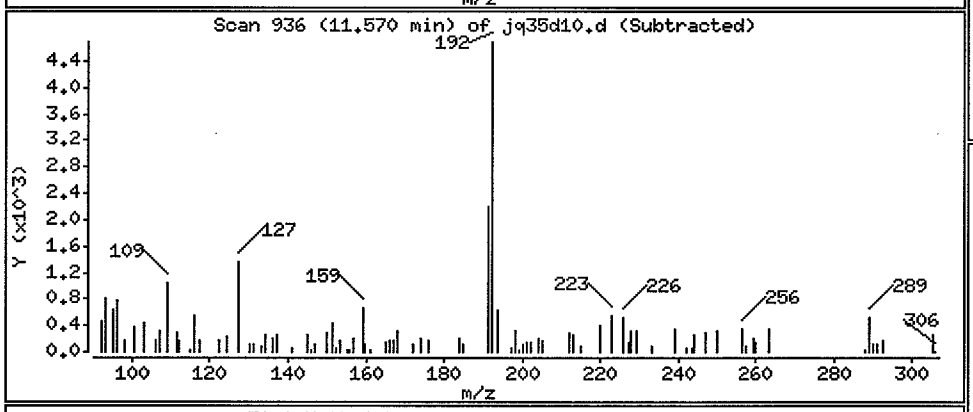
Column phase: ZB-5

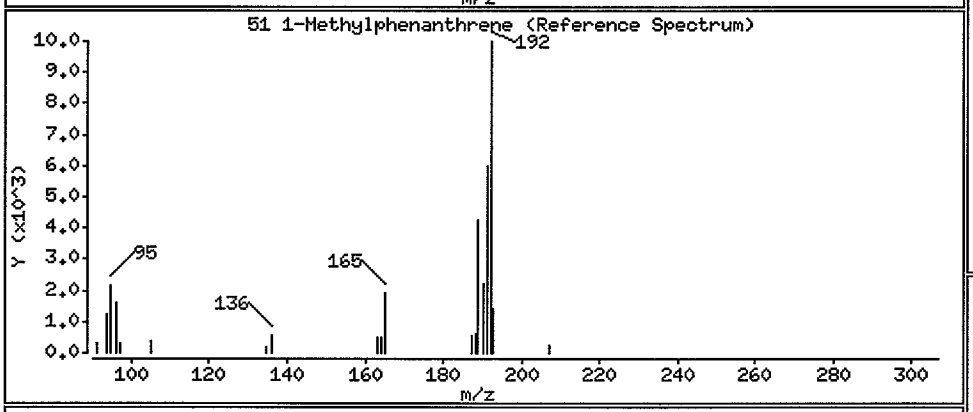
Column diameter: 0.25

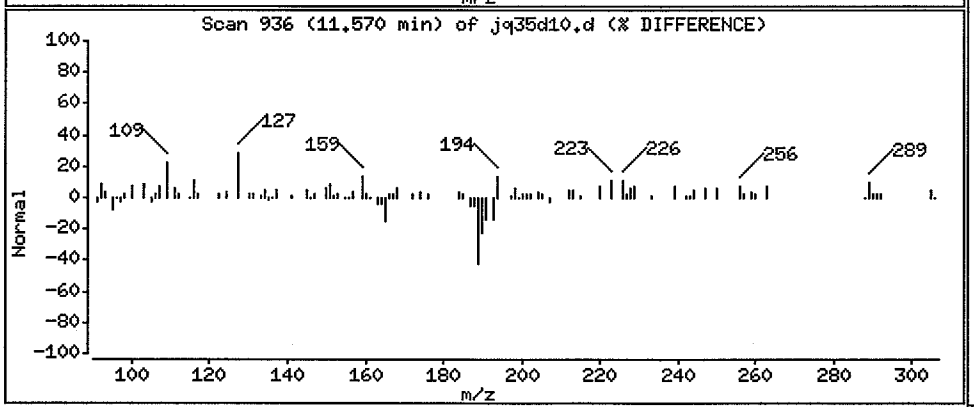
51 1-Methylphenanthrene

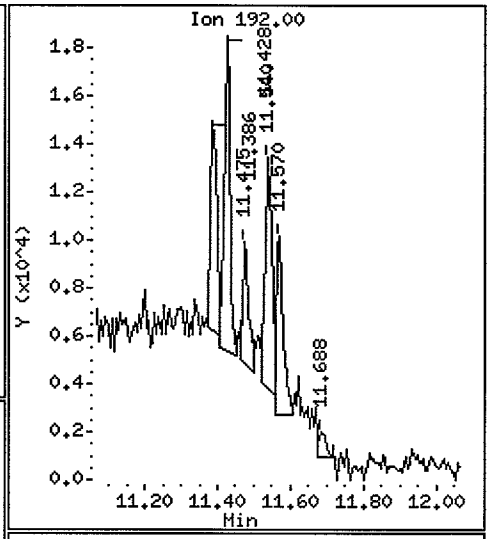
Concentration: 339.9 ug/kg

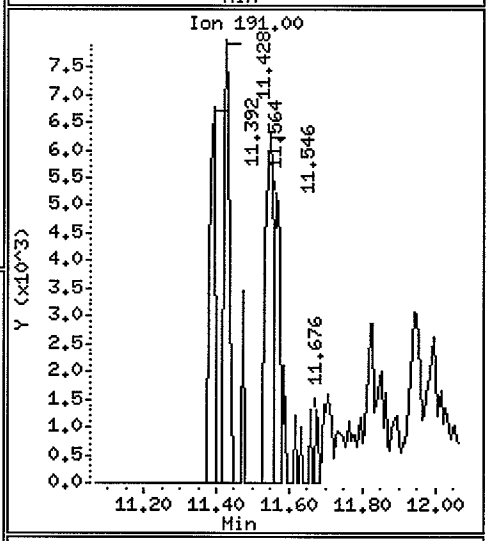


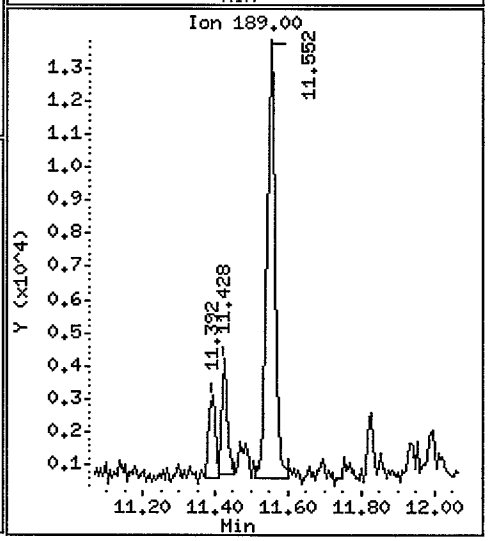












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

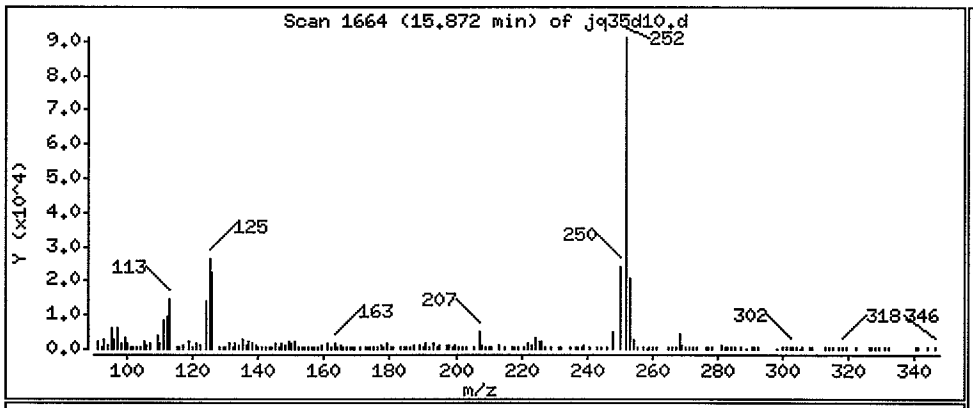
Operator: VTS

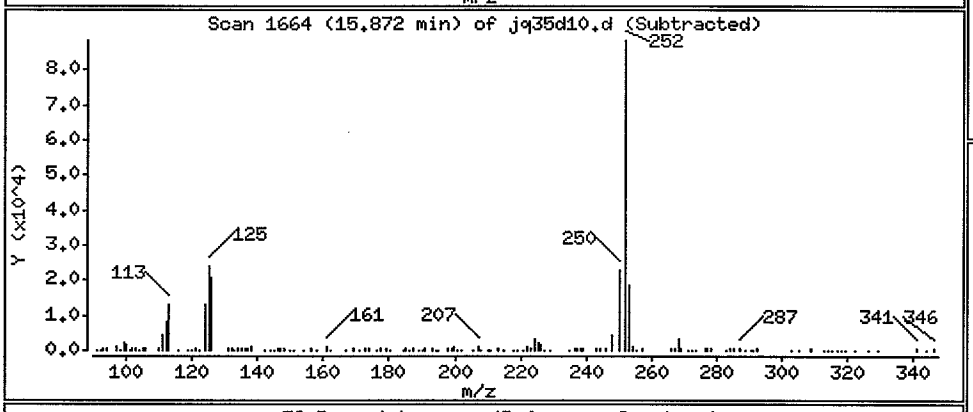
Column phase: ZB-5

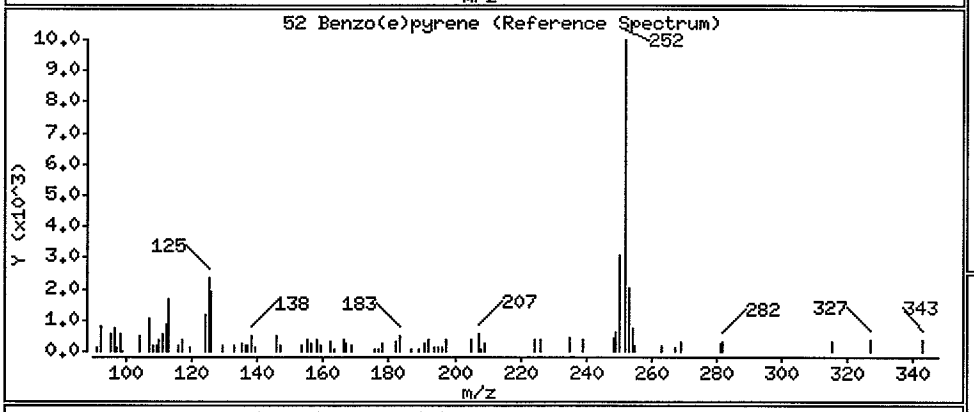
Column diameter: 0.25

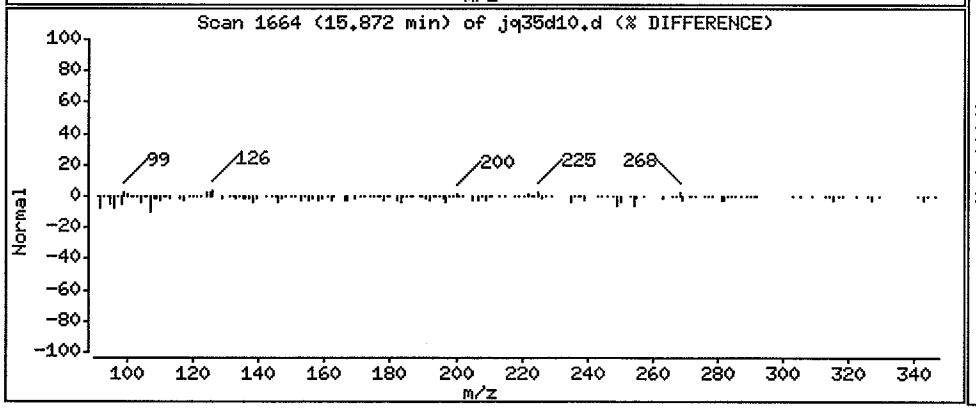
52 Benzo(e)pyrene

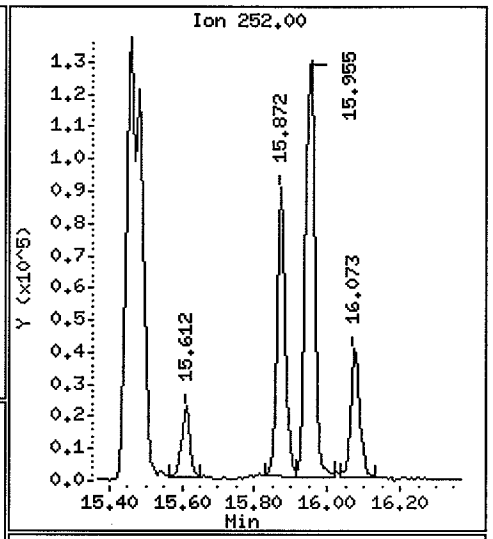
Concentration: 2999 ug/kg

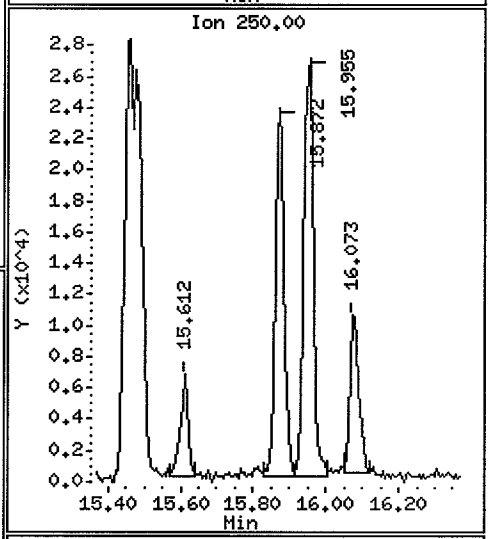


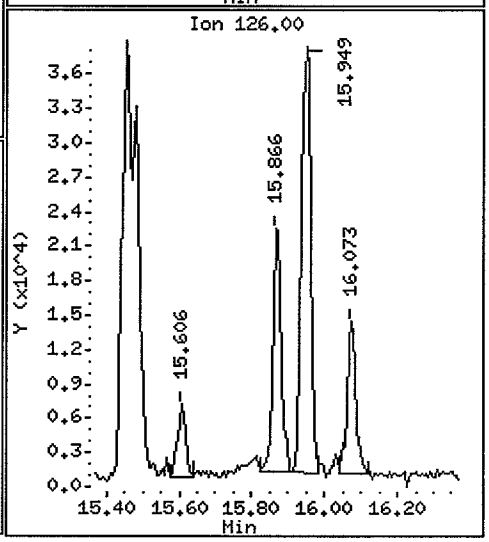












Data File: /chem3/nt1.i/20060807.b/jq35d10.d

Date : 07-AUG-2006 13:44

Client ID: T4-S3-02-F

Instrument: nt1.i

Sample Info: JQ35D,10

Volume Injected (uL): 1.0

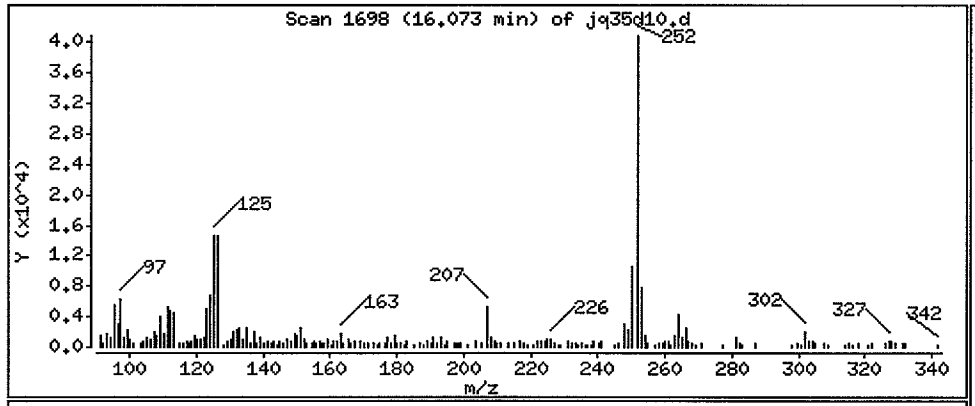
Operator: VTS

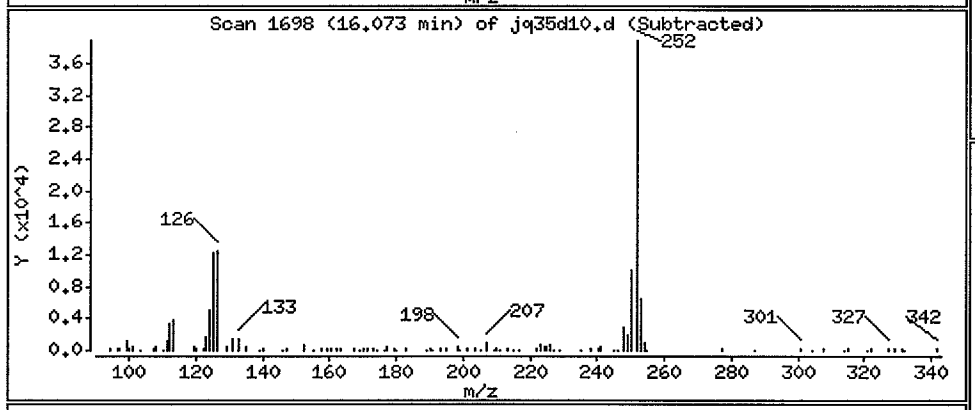
Column phase: ZB-5

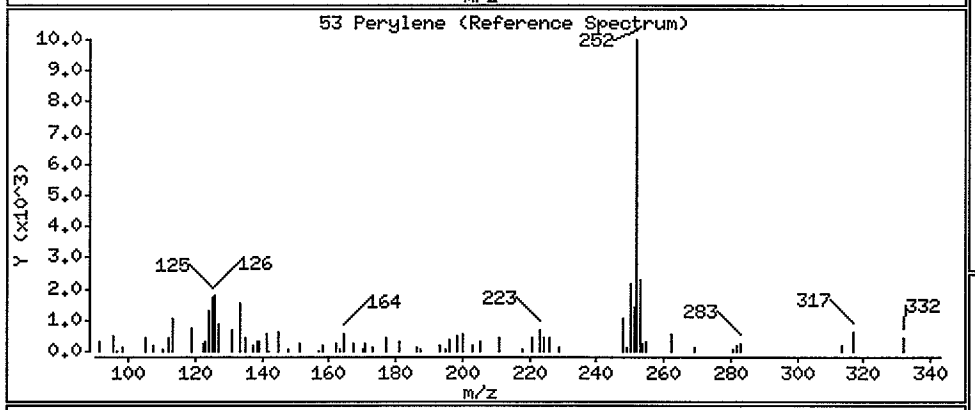
Column diameter: 0.25

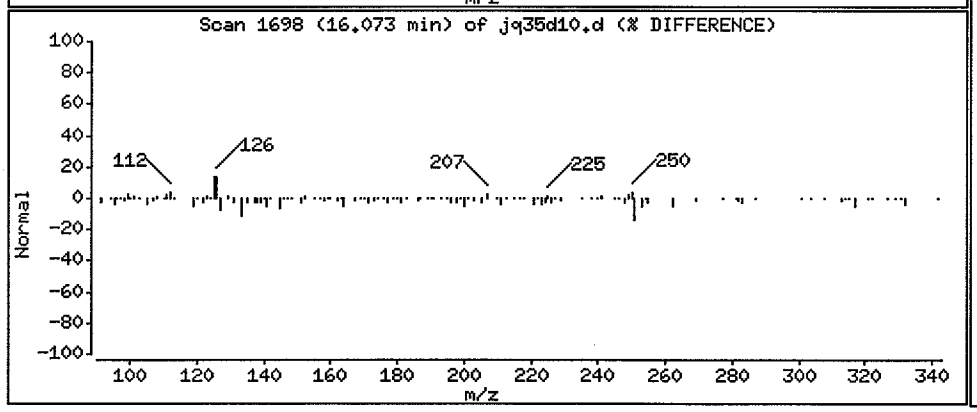
53 Perylene

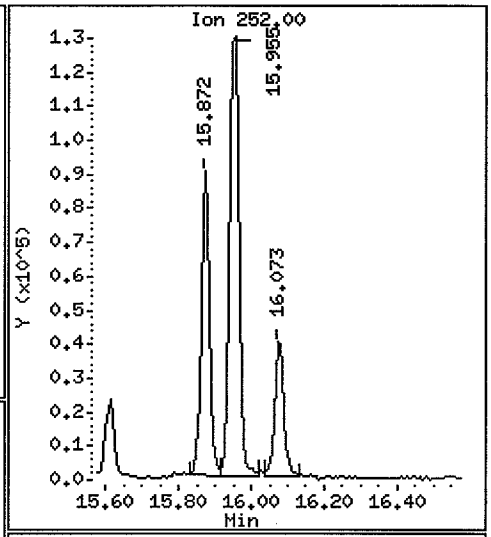
Concentration: 1565 ug/kg

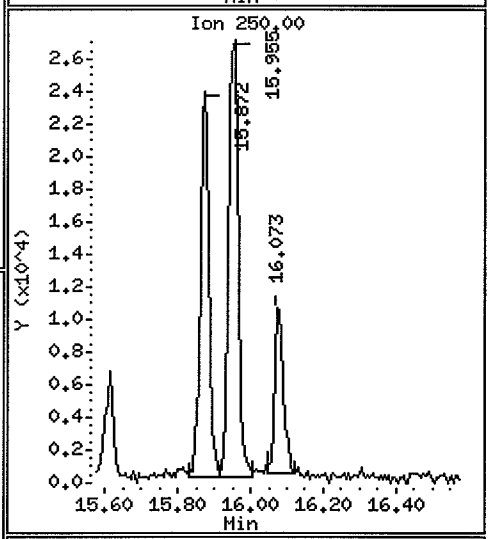


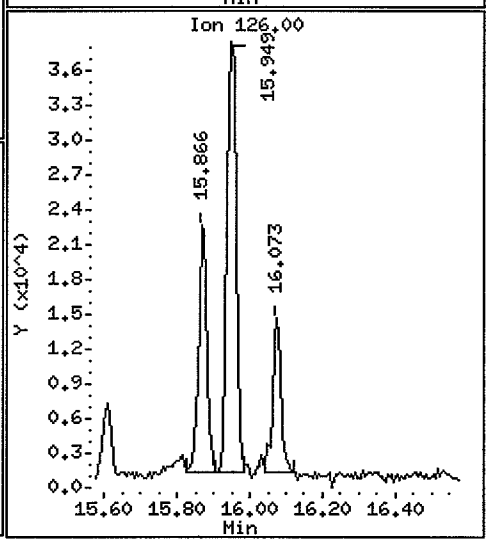












ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-03-B
SAMPLE

Lab Sample ID: JQ35E
LIMS ID: 06-12960
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 14:09
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 2.53 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 44.2%
pH: 6.8

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**200**	**240**
91-57-6	2-Methylnaphthalene	200	< 200 U
90-12-0	1-Methylnaphthalene	200	< 200 U
208-96-8	Acenaphthylene	200	< 200 U
83-32-9	**Acenaphthene**	**200**	**870**
86-73-7	**Fluorene**	**200**	**670**
85-01-8	**Phenanthrene**	**200**	**4,100**
120-12-7	**Anthracene**	**200**	**630**
206-44-0	**Fluoranthene**	**200**	**9,000**
129-00-0	**Pyrene**	**200**	**7,600**
56-55-3	**Benzo(a)anthracene**	**200**	**4,600**
218-01-9	**Chrysene**	**200**	**6,300**
205-99-2	**Benzo(b)fluoranthene**	**200**	**6,300**
207-08-9	**Benzo(k)fluoranthene**	**200**	**5,100**
50-32-8	**Benzo(a)pyrene**	**200**	**5,900**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**200**	**3,600**
53-70-3	**Dibenz(a,h)anthracene**	**200**	**1,300**
191-24-2	**Benzo(g,h,i)perylene**	**200**	**4,300**
198-55-0	**Perylene**	**200**	**1,900**
92-52-4	Biphenyl	200	< 200 U
581-42-0	2,6-Dimethylnaphthalene	200	< 200 U
832-69-9	**1-Methylphenanthrene**	**200**	**320**
192-97-2	**Benzo(e)pyrene**	**200**	**3,800**
2245-38-7	2,3,5-Trimethylnaphthalene	200	< 200 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	68.3%
d14-Dibenzo(a,h)anthracen	77.7%

FORM I

YZ 8/9/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq35e10.d
Lab Smp Id: JQ35E Client Smp ID: T4-S3-03-B
Inj Date : 07-AUG-2006 14:09
Operator : VTS Inst ID: nt1.i
Smp Info : JQ35E,10
Misc Info : 06-12960
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: 8
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	4.53000	Weight of sample extracted (g)
M	44.20000	% 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	6.890	6.891	(1.000)	258290	2.00000	
2 Naphthalene	128	6.914	6.915	(1.003)	15607	0.12114	239.6
$ 3 2-Methylnaphthalene-d10	152	7.647	7.648	(1.110)	13613	0.20462	404.8
4 2-Methylnaphthalene	142	7.682	7.683	(1.115)	6201	0.08127 J	160.8
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.953	8.954	(1.000)	143281	2.00000	
9 Acenaphthene	153	8.989	8.989	(1.004)	30799	0.43778	865.9
10 Dibenzofuran	168	9.184	9.178	(1.026)	12946	0.12493	247.1
11 Fluorene	166	9.603	9.604	(1.073)	27048	0.33528	663.2
* 15 Phenanthrene-d10	188	10.768	10.762	(1.000)	234449	2.00000	
16 Phenanthrene	178	10.797	10.792	(1.003)	248637	2.06614	4087
17 Anthracene	178	10.850	10.851	(1.008)	37989	0.31589	624.9
19 Fluoranthene	202	12.286	12.287	(1.141)	561123	4.57154	9043
20 Pyrene	202	12.576	12.577	(0.893)	506591	3.82388	7564

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
22 Benzo(a)anthracene	228	14.059	14.054	(0.999)	288832	2.32479	4599
* 23 Chrysene-d12	240	14.077	14.078	(1.000)	206315	2.00000	
24 Chrysene	228	14.113	14.107	(1.003)	364010	3.17654	6283
28 Benzo(b)fluoranthene	252	15.454	15.455	(0.964)	385355	3.17539	6281
29 Benzo(k)fluoranthene	252	15.484	15.484	(0.965)	331898	2.56534	5074
30 Benzo(a)pyrene	252	15.951	15.951	(0.994)	355115	3.00308	5940
* 31 Perylene-d12	264	16.039	16.034	(1.000)	215028	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	18.007	18.002	(1.123)	249418	1.83412	3628
$ 32 Dibenz(a,h)anthrancene-d14	292	17.919	17.931	(1.117)	19153	0.23275	460.4
34 Dibenz(a,h)anthracene	278	17.990	17.996	(1.122)	74306	0.66887	1323
35 Benzo(g,h,i)perylene	276	18.592	18.581	(1.159)	244300	2.16117	4275
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)	13216	0.15649	309.5
52 Benzo(e)pyrene	252	15.874	15.869	(0.990)	249243	1.90417	3767
53 Perylene	252	16.075	16.075	(1.002)	115134	0.93681	1853

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq35e10.d
Lab Smp Id: JQ35E
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12960

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-03-B
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	258290	11.79
8 Acenaphthene-d10	129131	64566	258262	143281	10.96
15 Phenanthrene-d10	212850	106425	425700	234449	10.15
23 Chrysene-d12	190817	95408	381634	206315	8.12
31 Perylene-d12	197592	98796	395184	215028	8.82

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.89	6.39	7.39	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	10.77	0.05
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.00
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

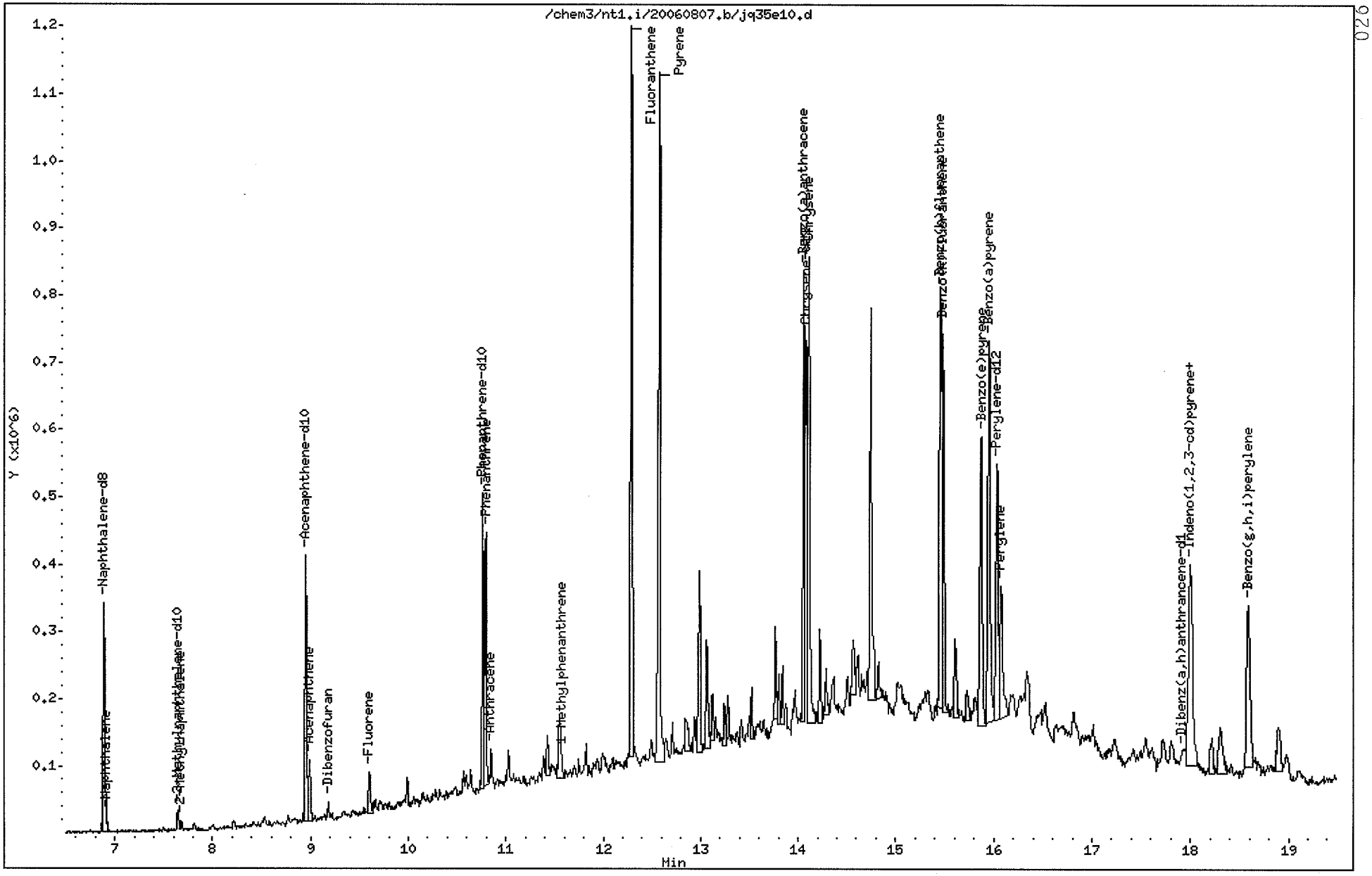
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35E
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12960

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-03-B
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	593.4	404.8	68.21	32-97
$ 32 Dibenz(a,h)anthran	593.4	460.4	77.58	21-105

Data File: /chem3/nt1.i/20060807.b/jq35e10.d
Date : 07-AUG-2006 14:09
Client ID: T4-S3-03-B
Sample Info: JQ35E,10
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0261

Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

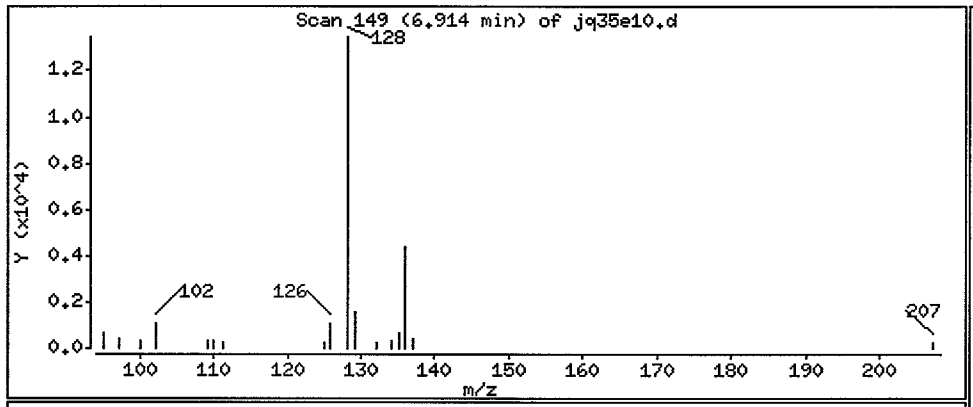
Operator: VTS

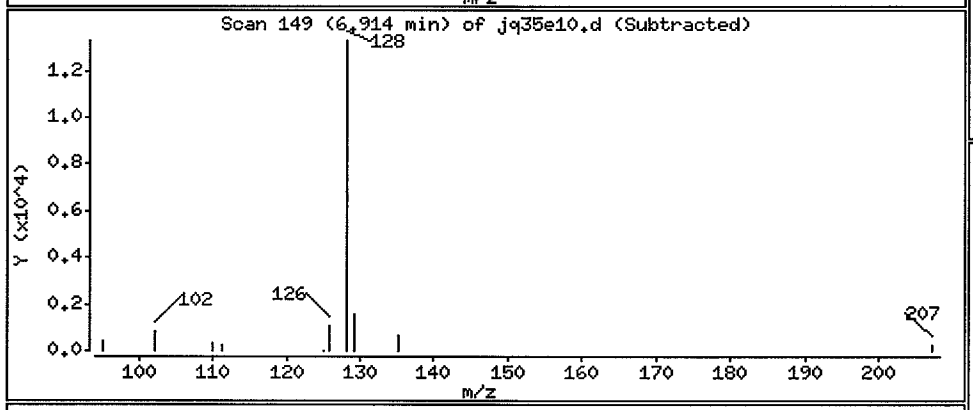
Column phase: ZB-5

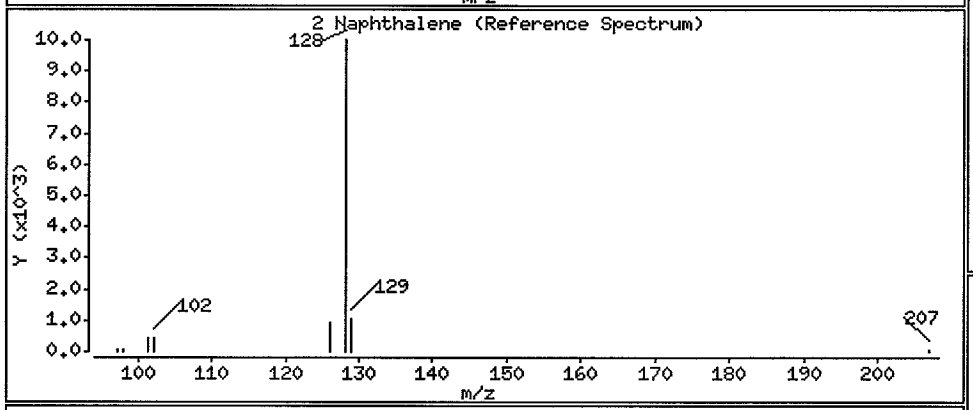
Column diameter: 0.25

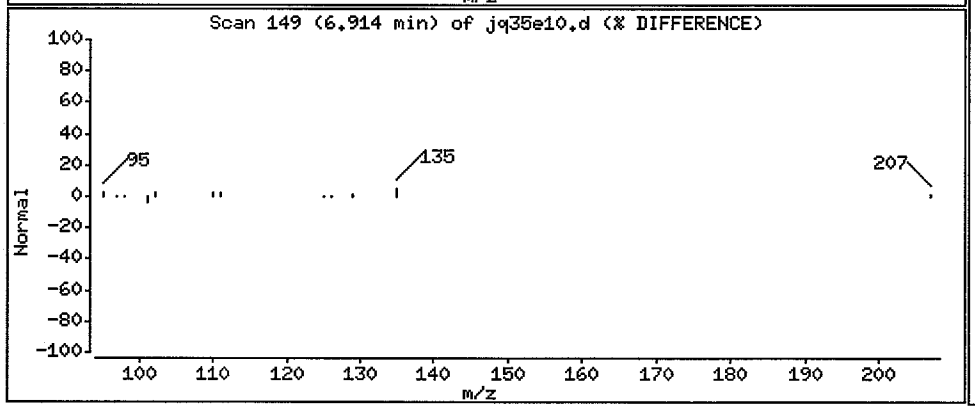
2 Naphthalene

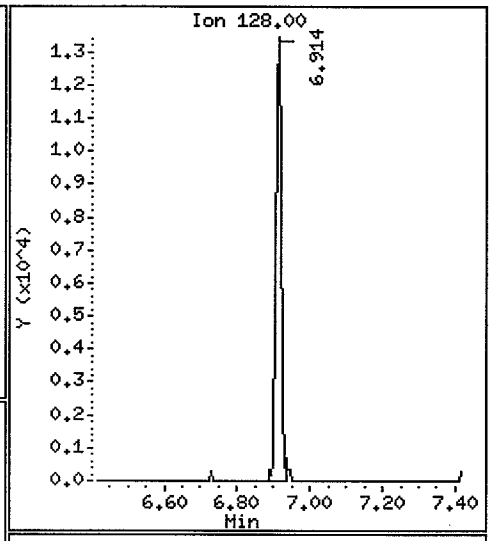
Concentration: 239.6 ug/kg

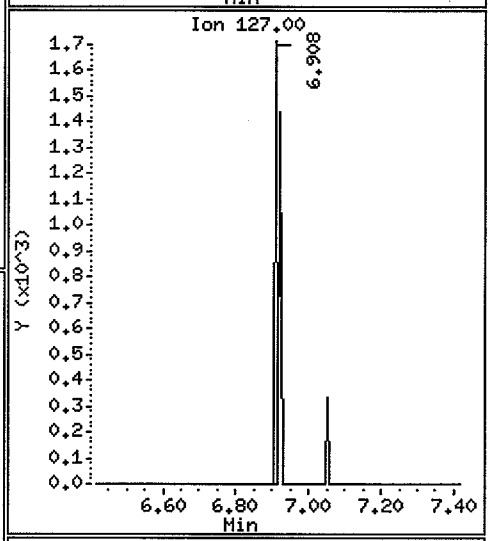


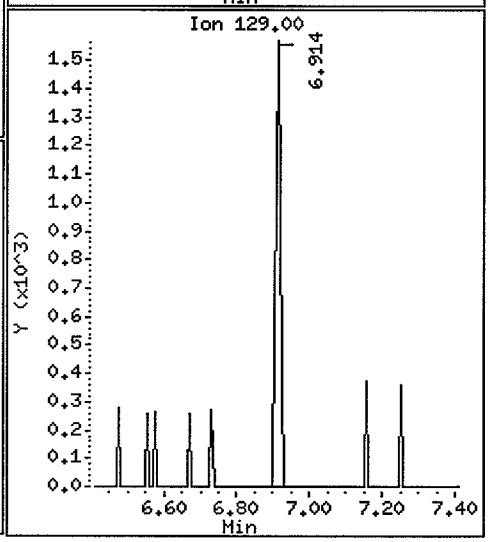












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

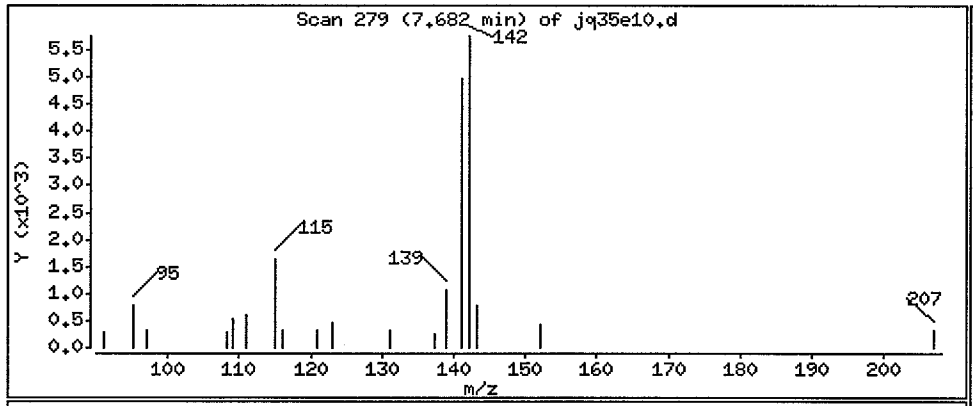
Operator: VTS

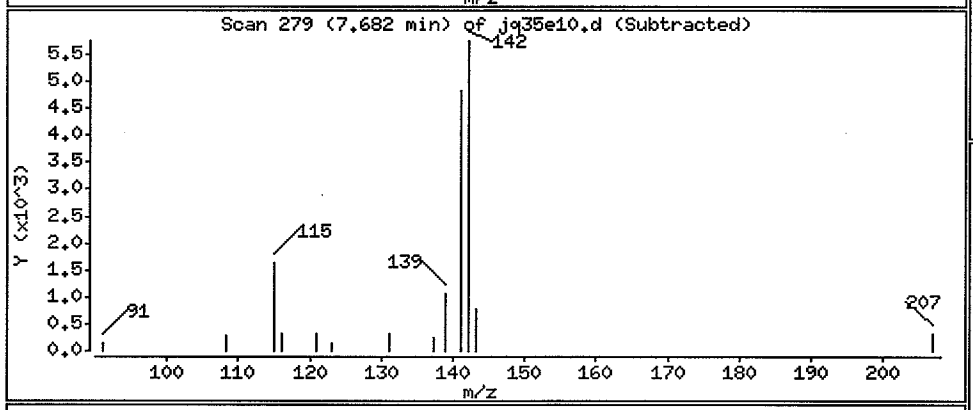
Column phase: ZB-5

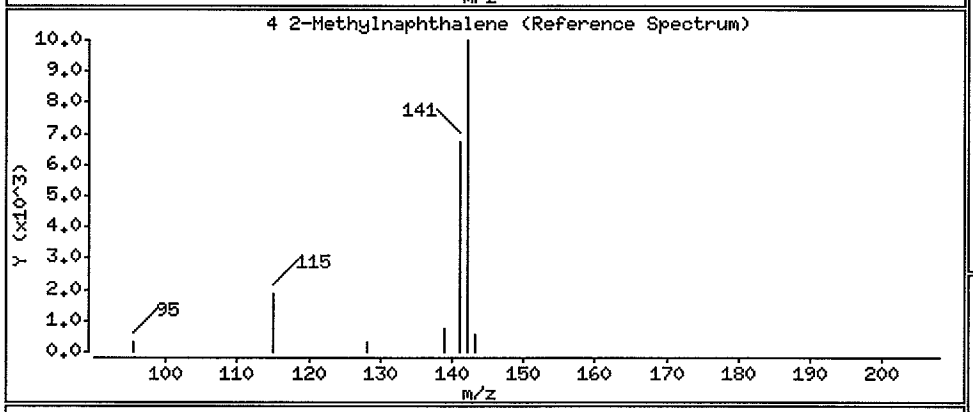
Column diameter: 0.25

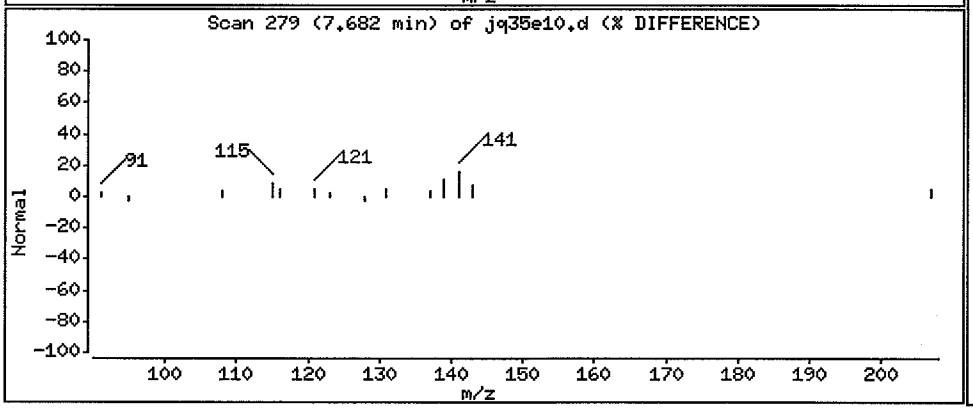
4 2-Methylnaphthalene

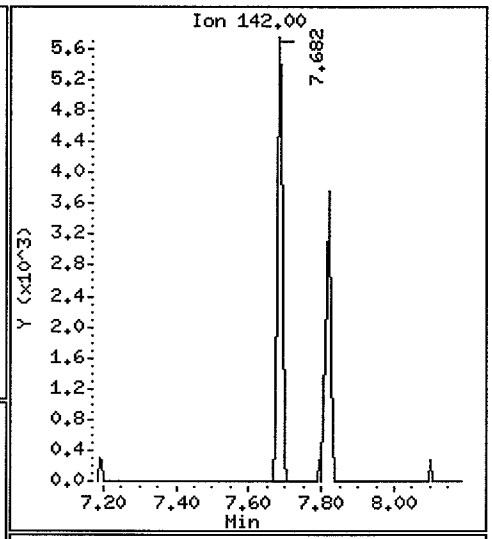
Concentration: 160.8 ug/kg

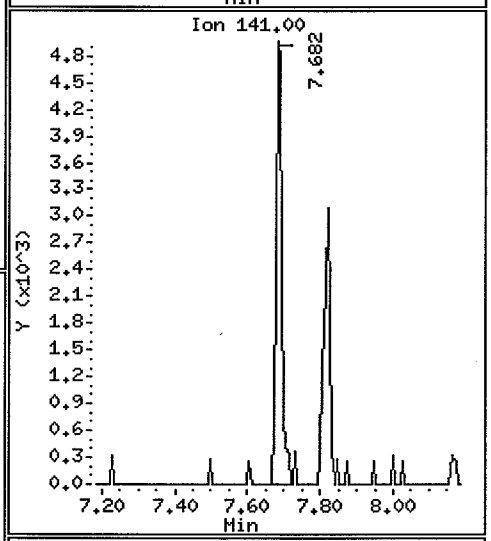


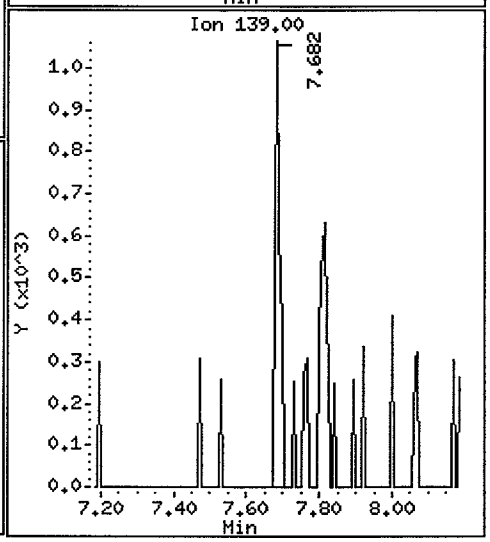












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

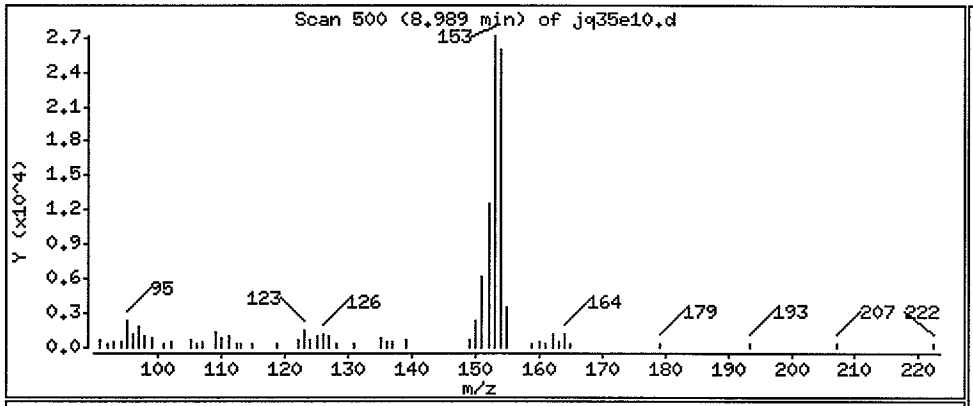
Operator: VTS

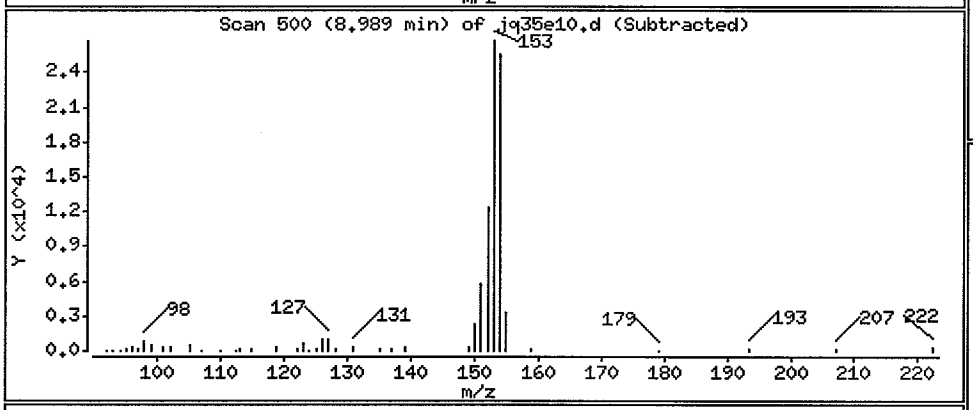
Column phase: ZB-5

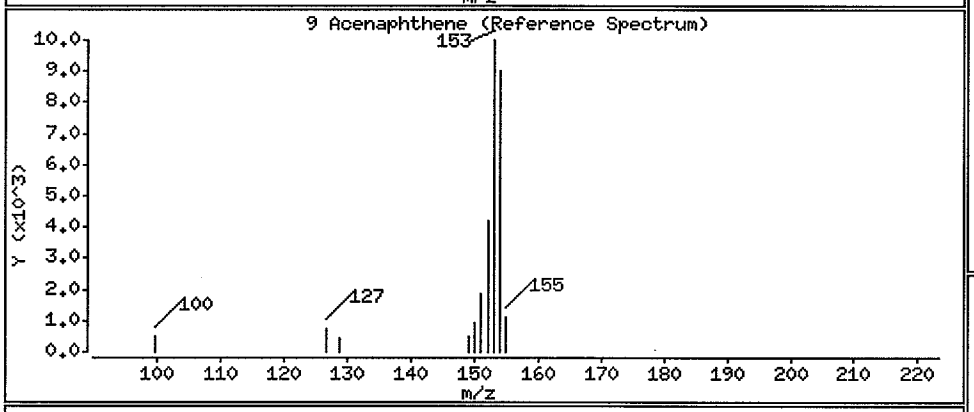
Column diameter: 0.25

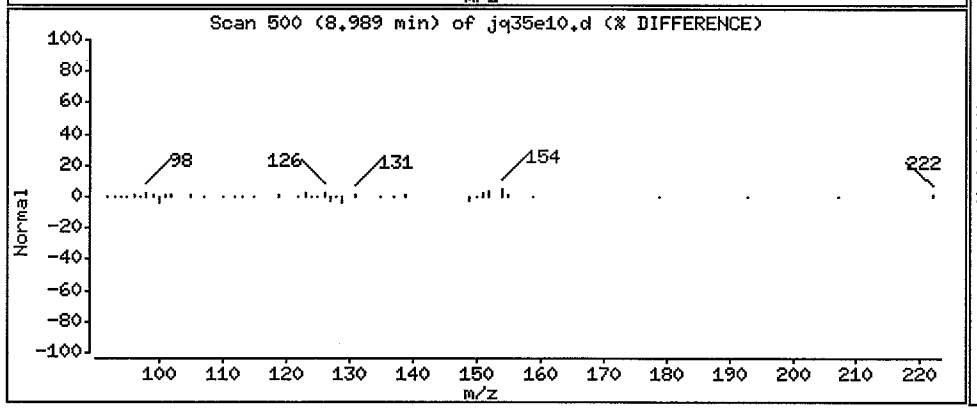
9 Acenaphthene

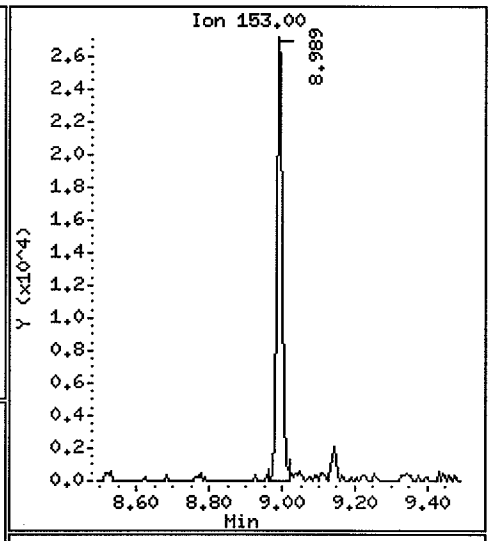
Concentration: 865.9 ug/kg

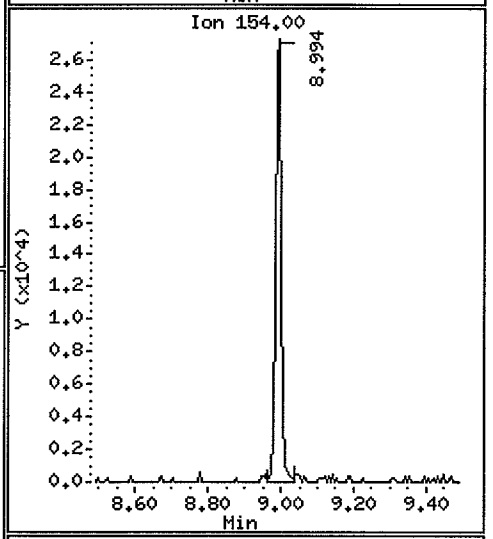


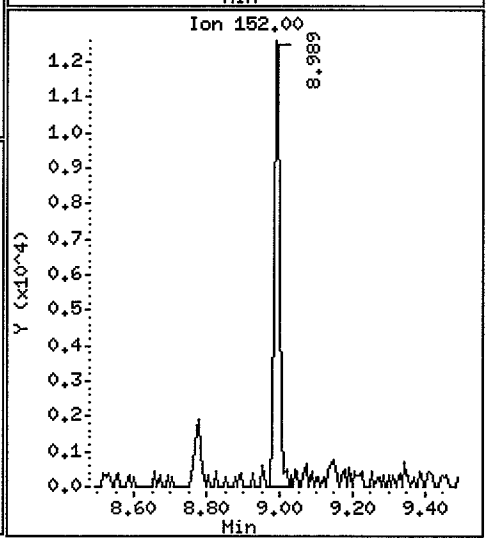












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

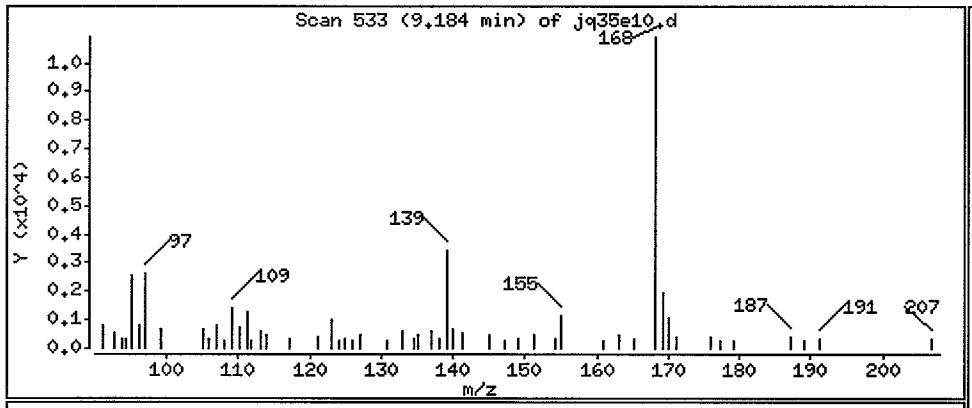
Operator: VTS

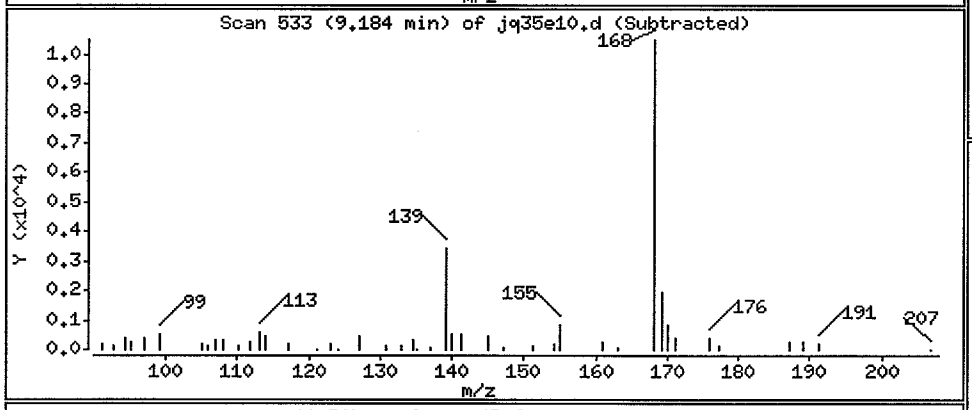
Column phase: ZB-5

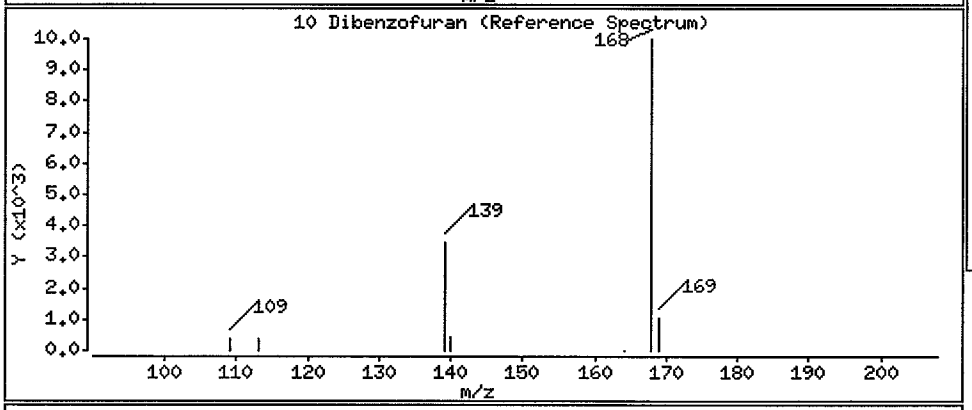
Column diameter: 0.25

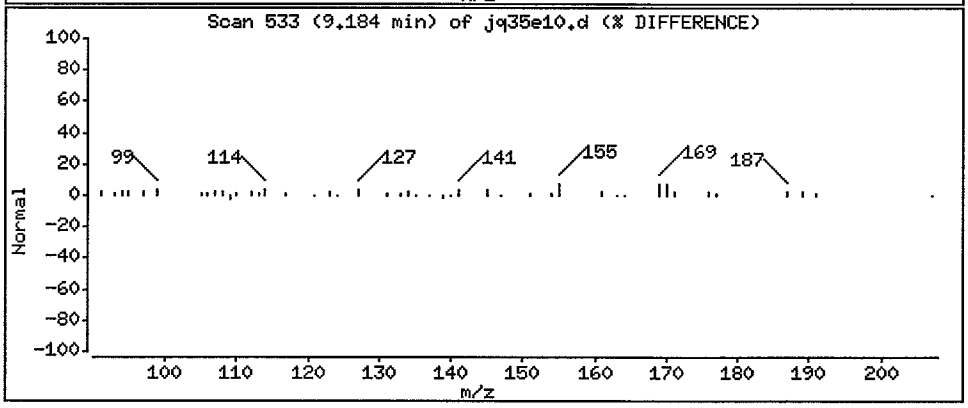
10 Dibenzofuran

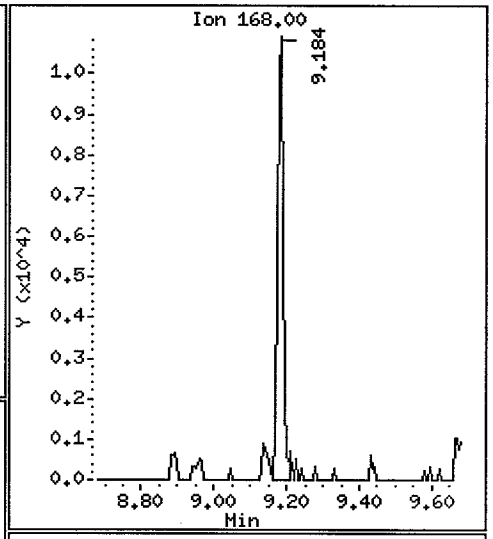
Concentration: 247.1 ug/kg

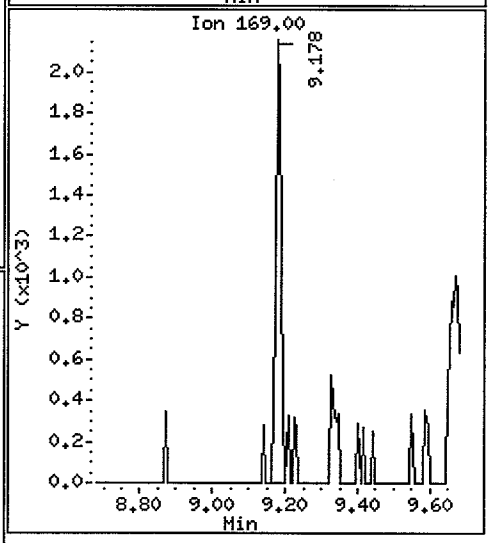












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

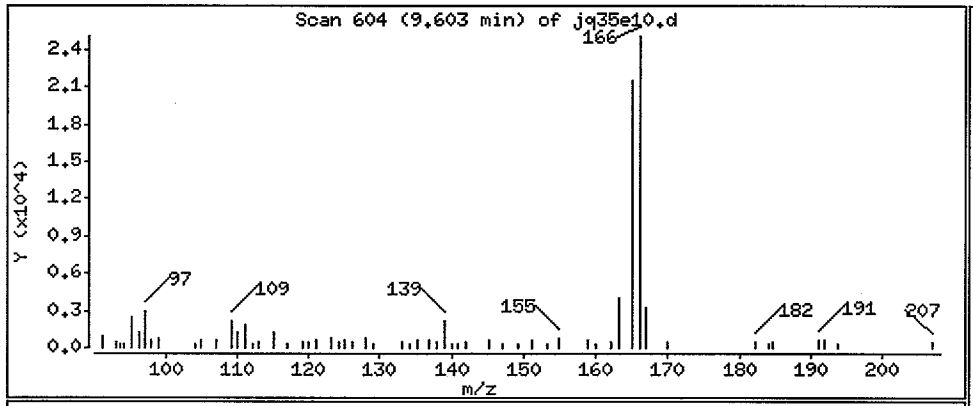
Operator: VTS

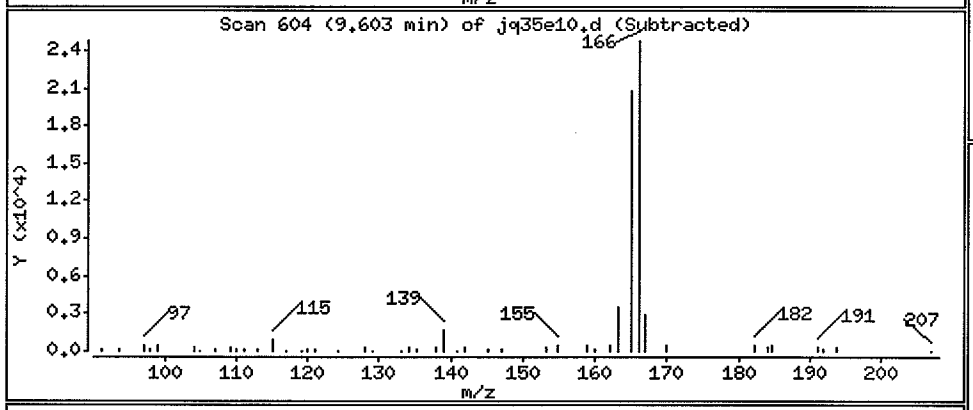
Column phase: ZB-5

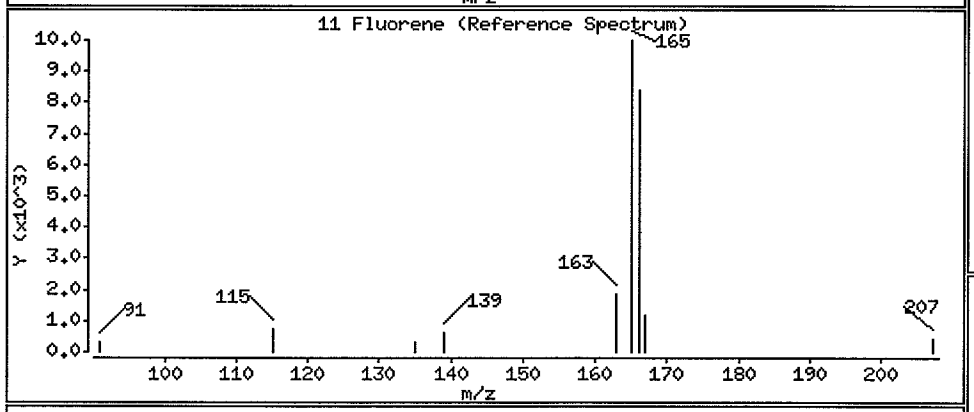
Column diameter: 0.25

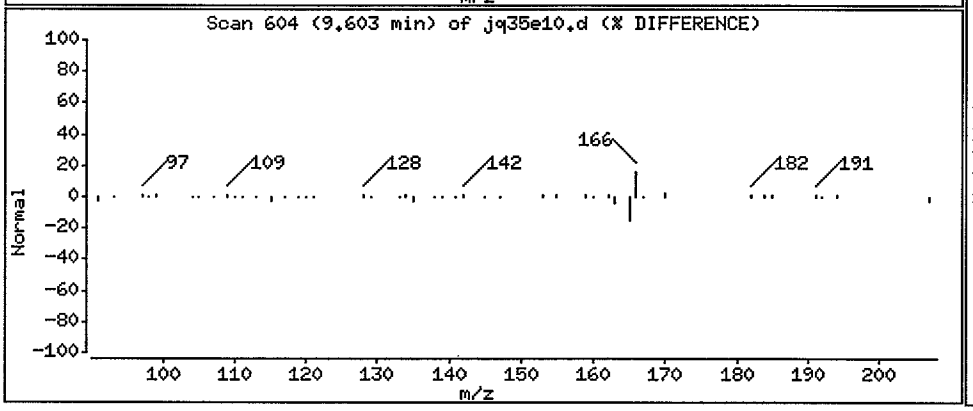
11 Fluorene

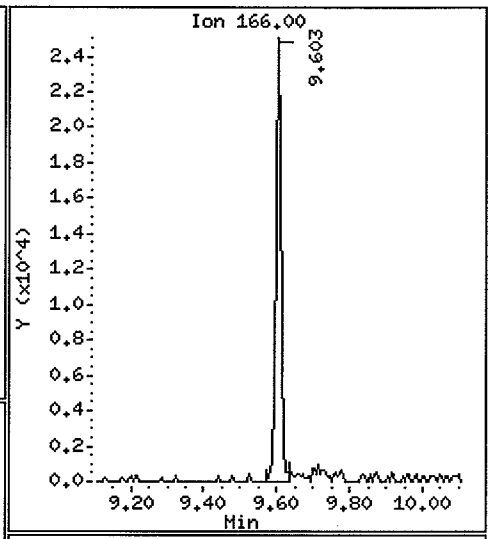
Concentration: 663.2 ug/kg

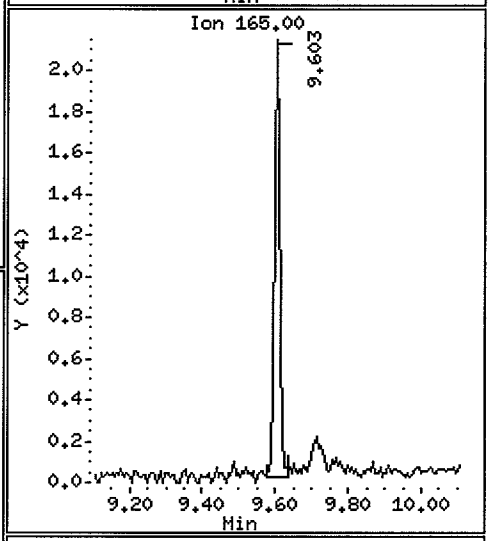


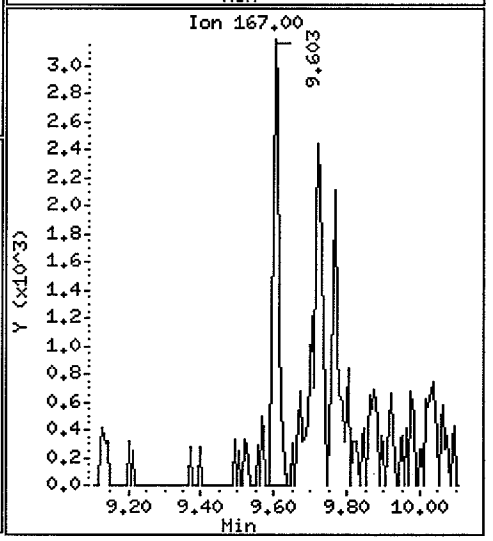












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

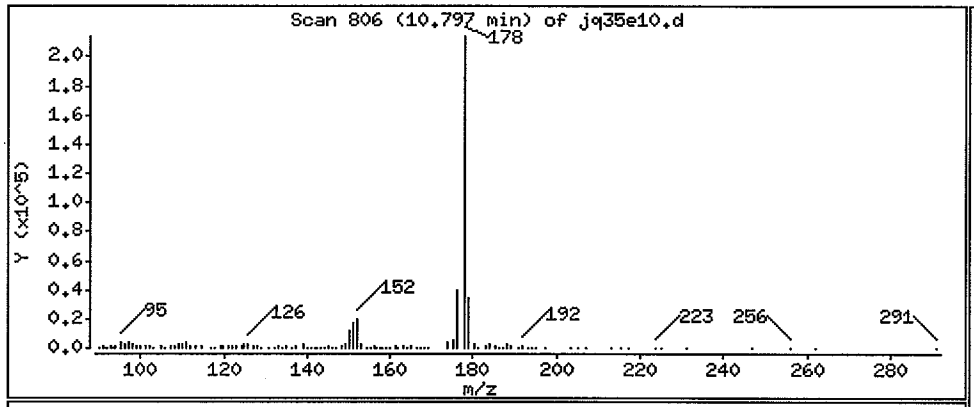
Operator: VTS

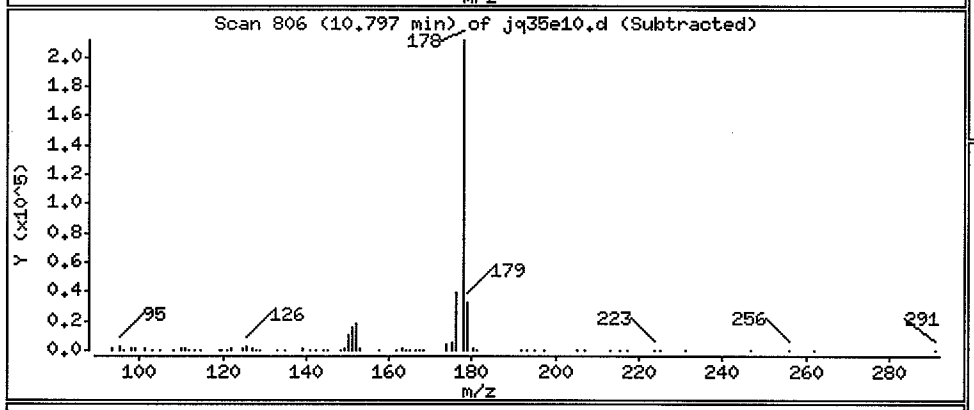
Column phase: ZB-5

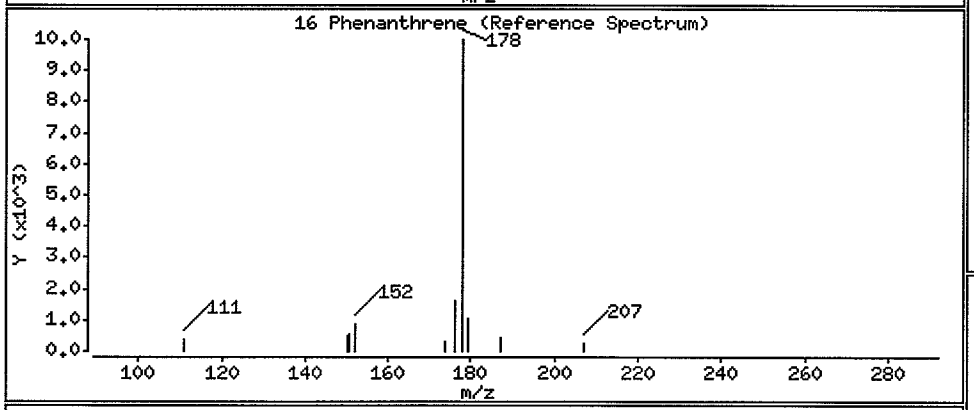
Column diameter: 0.25

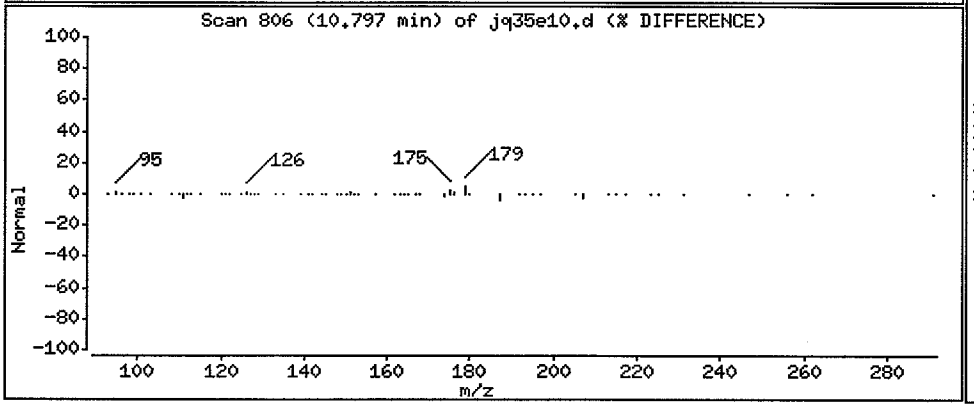
16 Phenanthrene

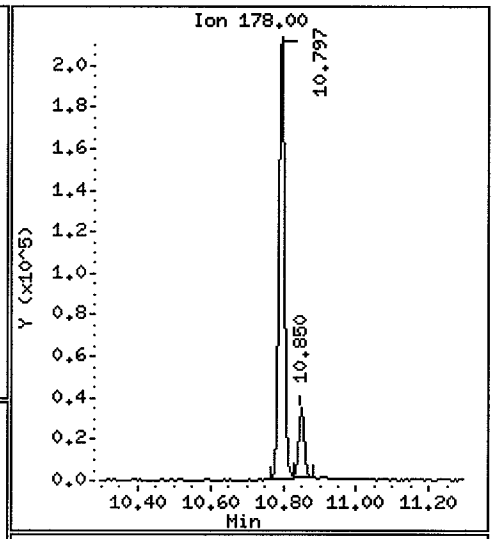
Concentration: 4087 ug/kg

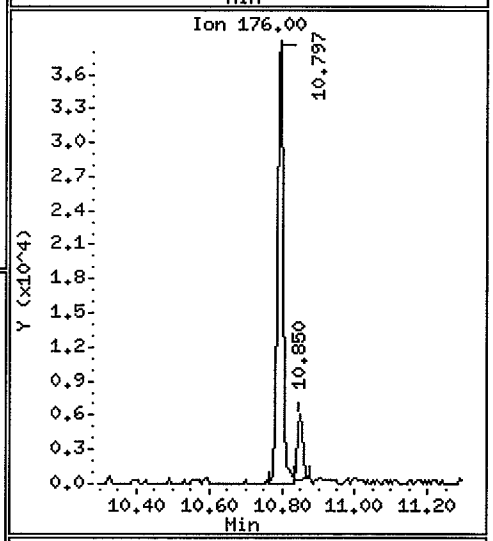


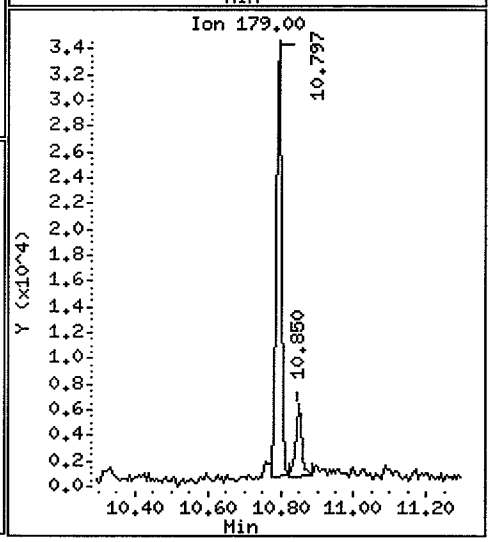












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

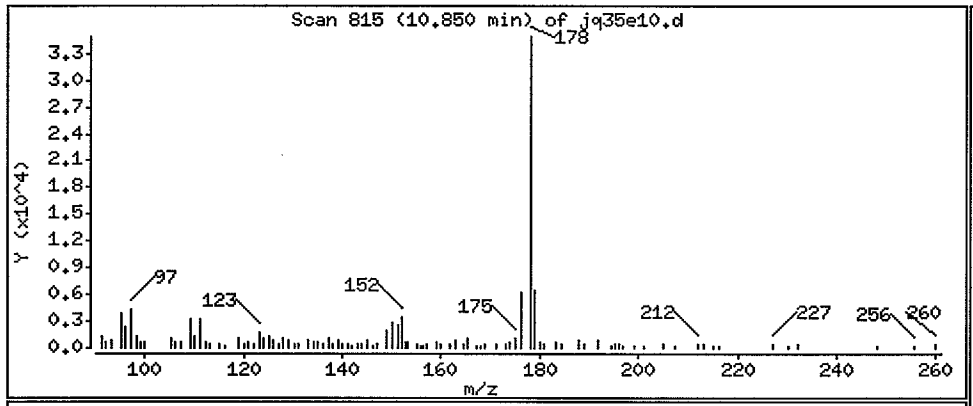
Operator: VTS

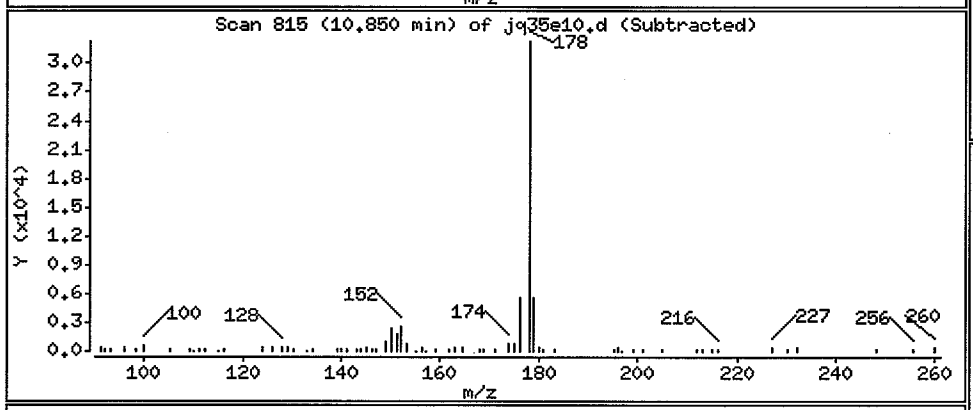
Column phase: ZB-5

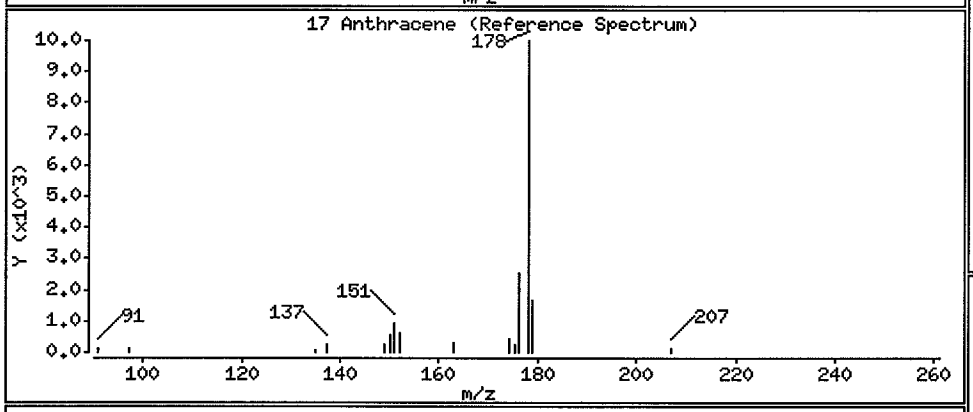
Column diameter: 0.25

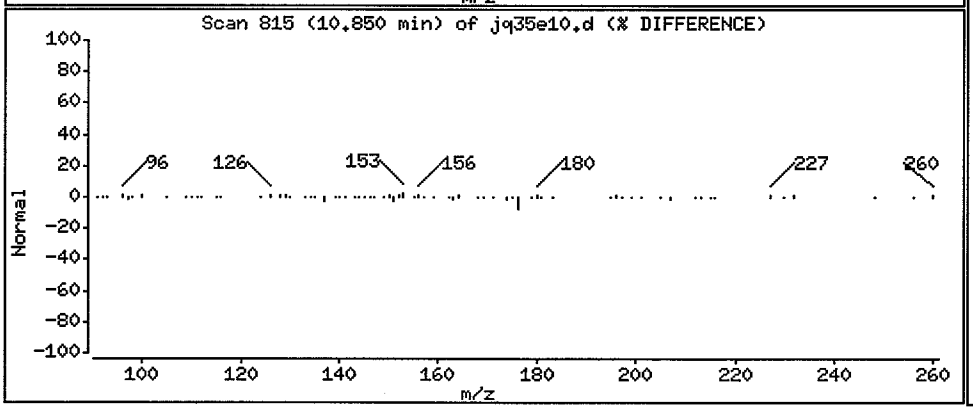
17 Anthracene

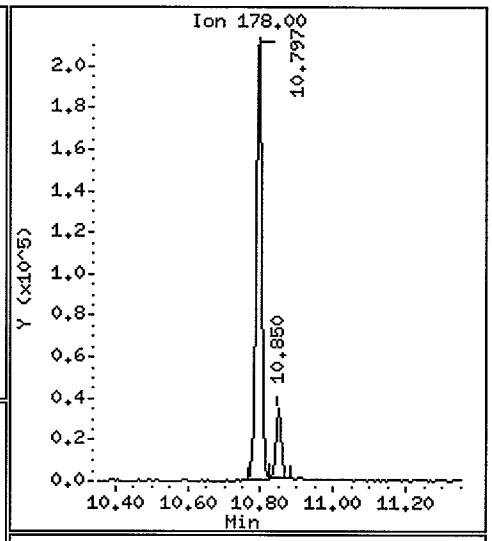
Concentration: 624.9 ug/kg

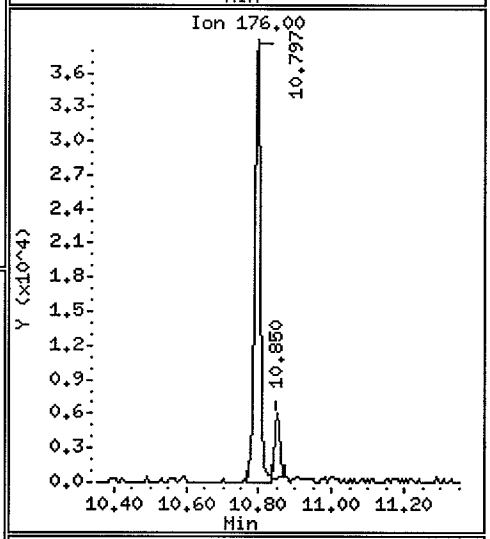


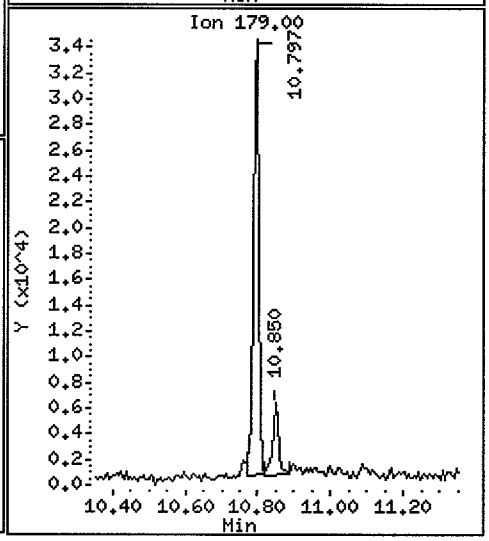












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

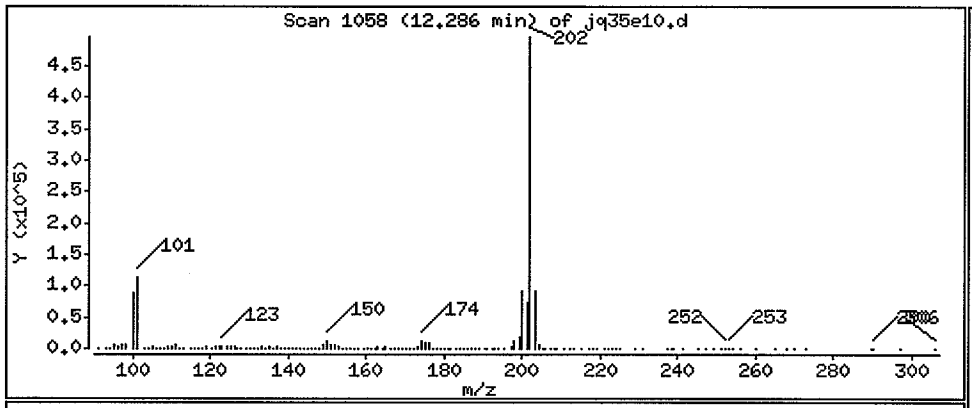
Operator: VTS

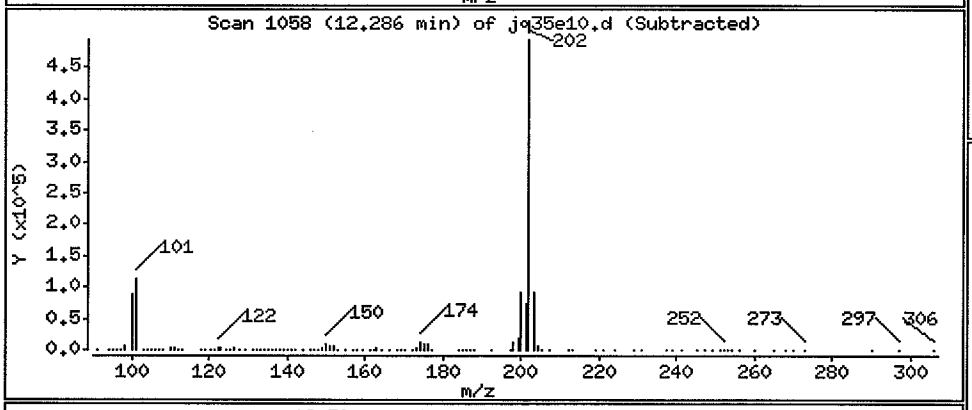
Column phase: ZB-5

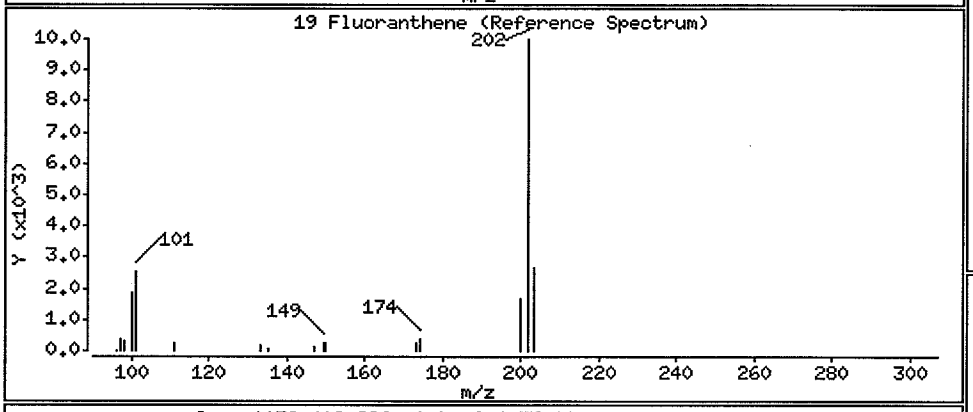
Column diameter: 0.25

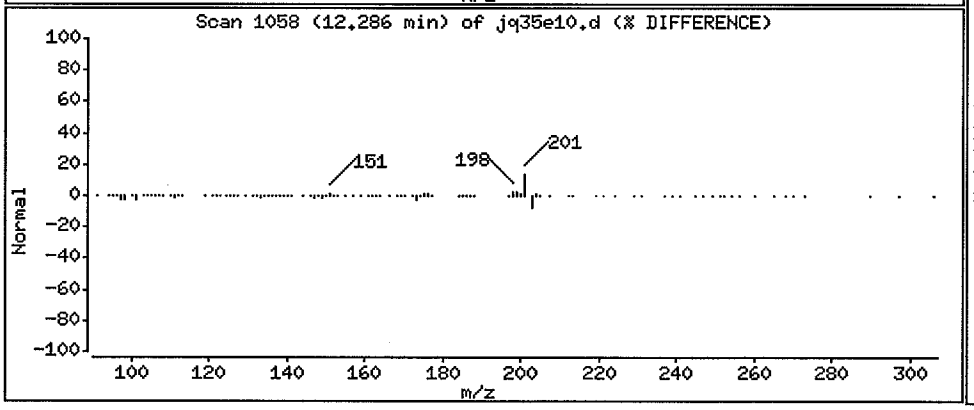
19 Fluoranthene

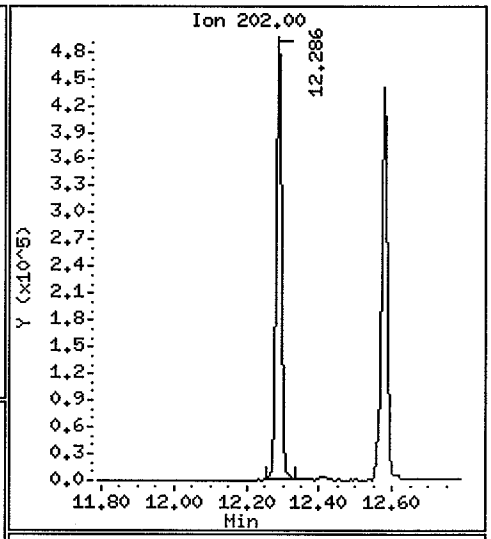
Concentration: 9043 ug/kg

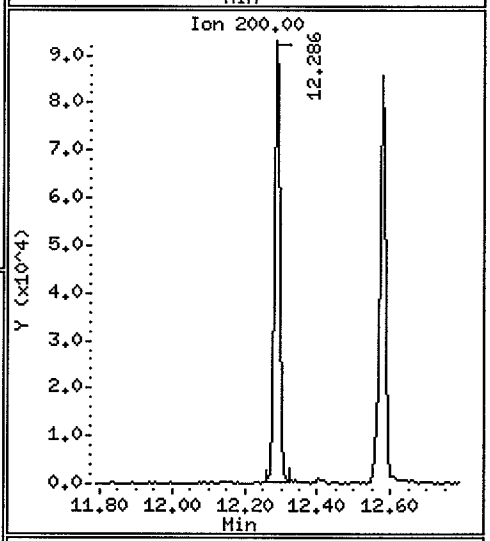


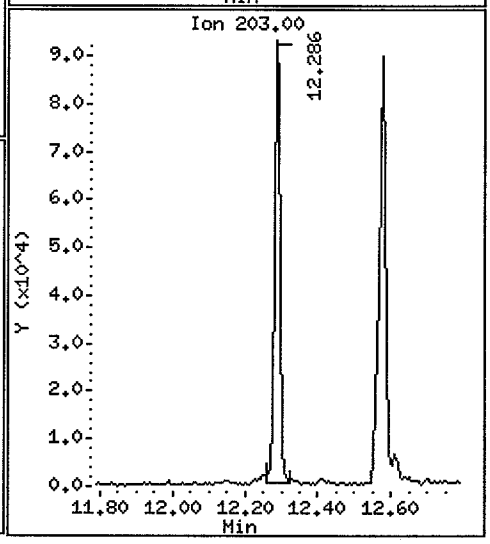












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

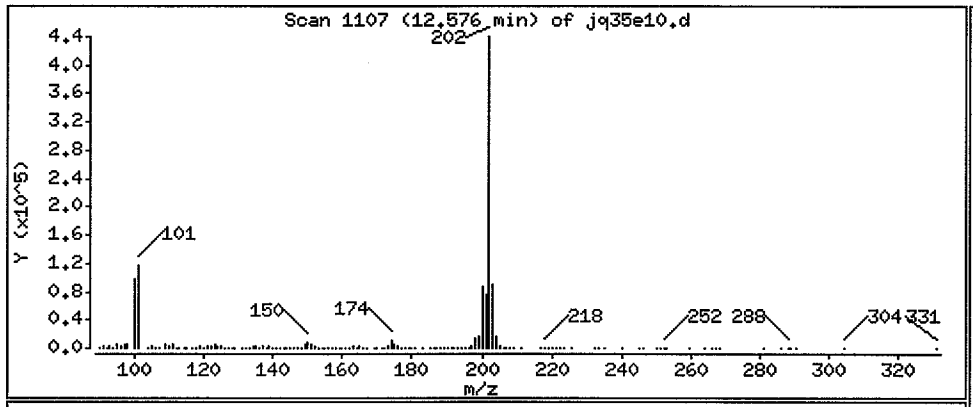
Operator: VTS

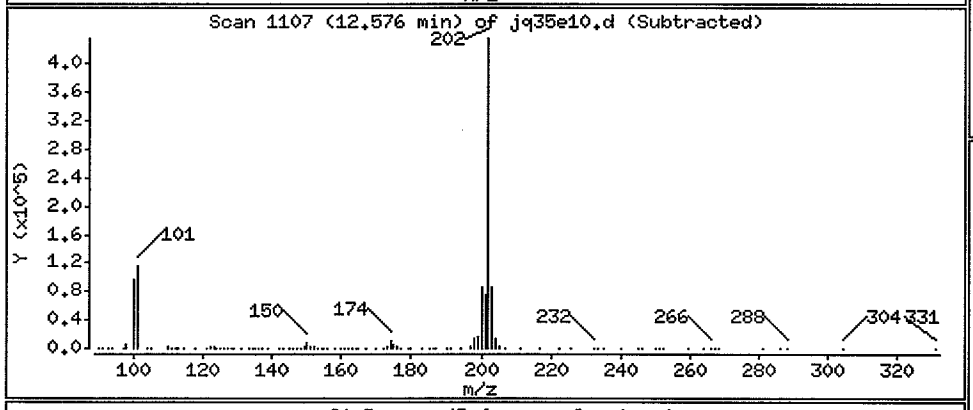
Column phase: ZB-5

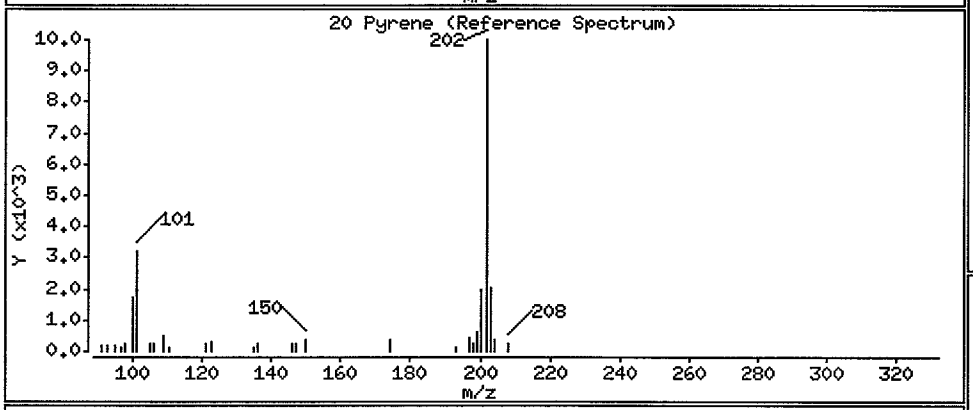
Column diameter: 0.25

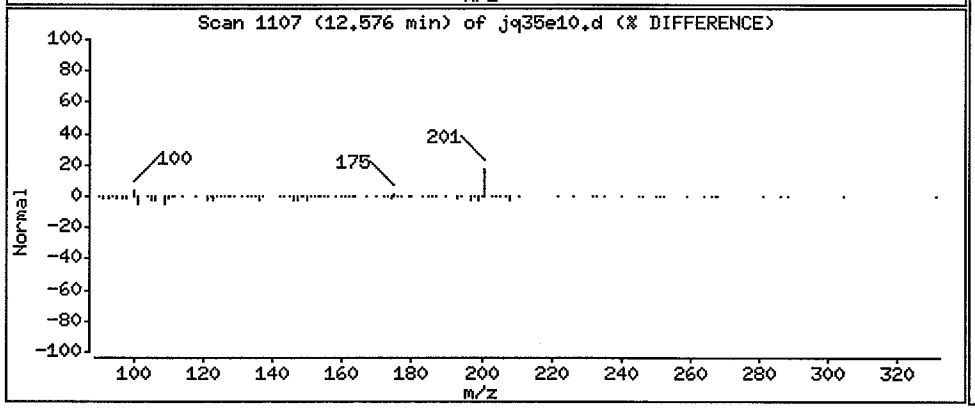
20 Pyrene

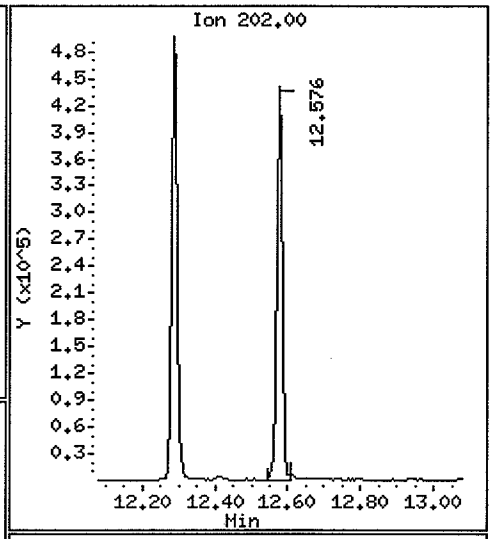
Concentration: 7564 ug/kg

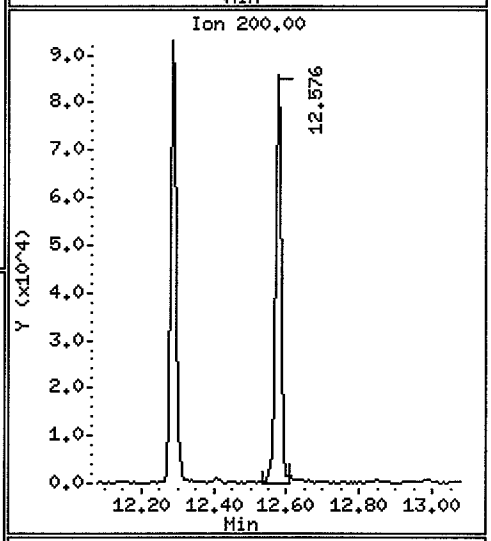


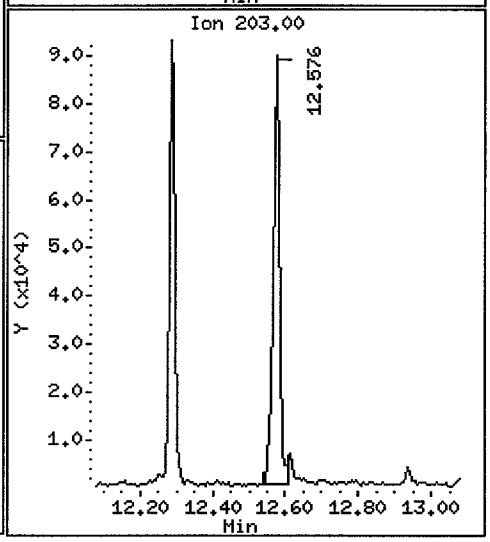












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

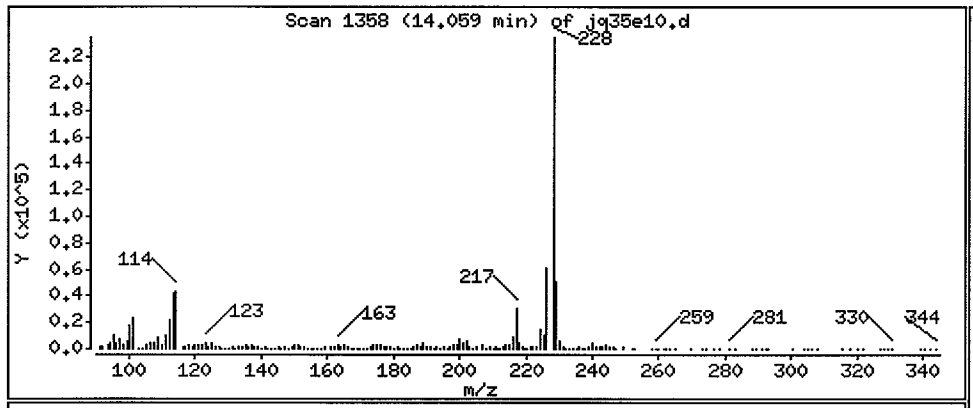
Operator: VTS

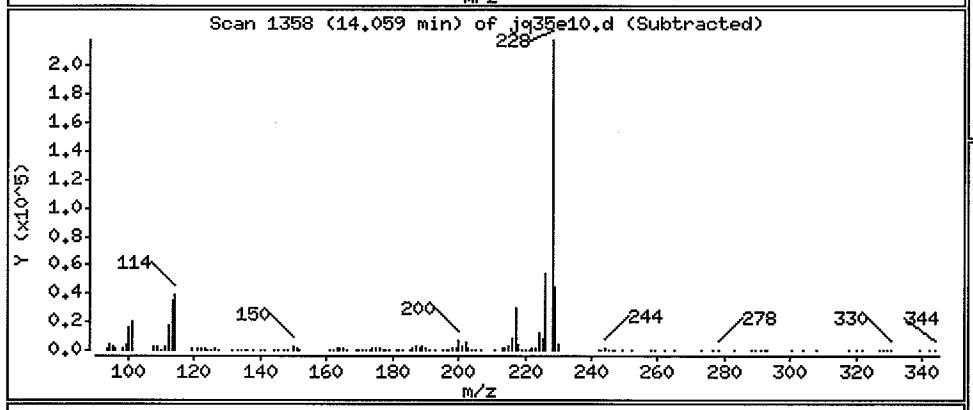
Column phase: ZB-5

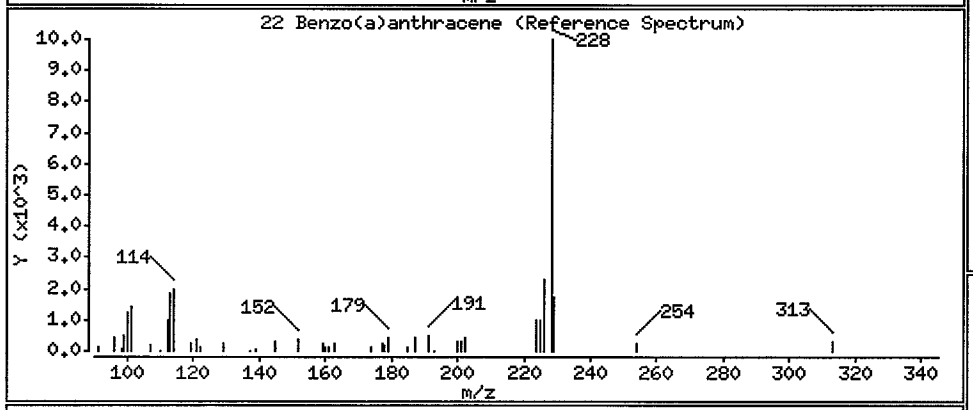
Column diameter: 0.25

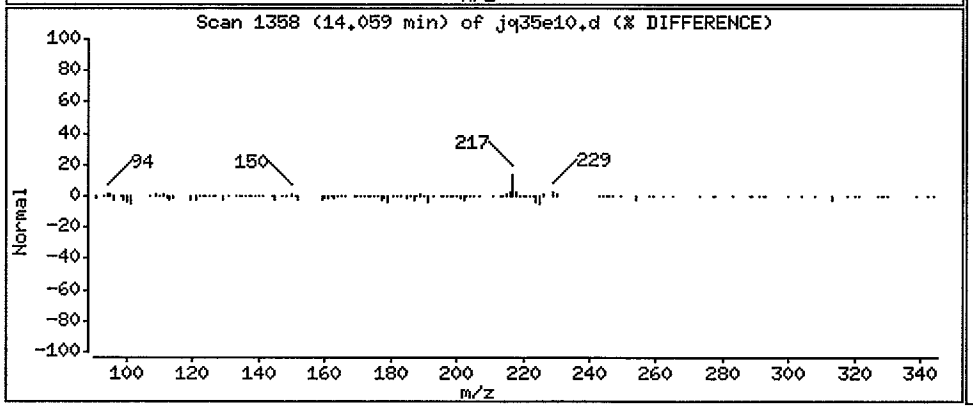
22 Benzo(a)anthracene

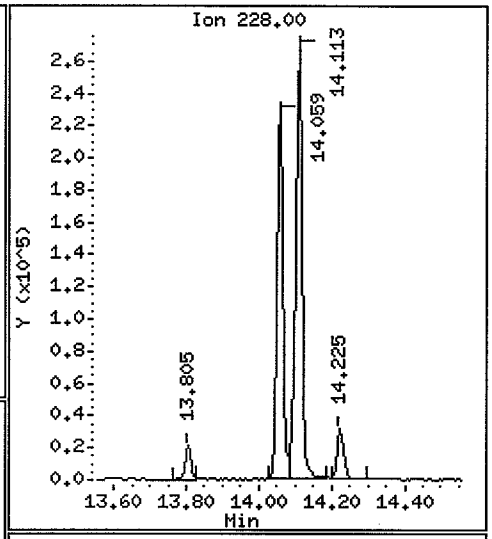
Concentration: 4599 ug/kg

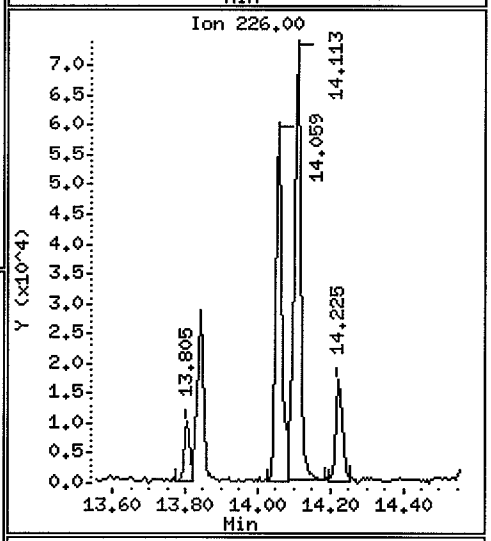


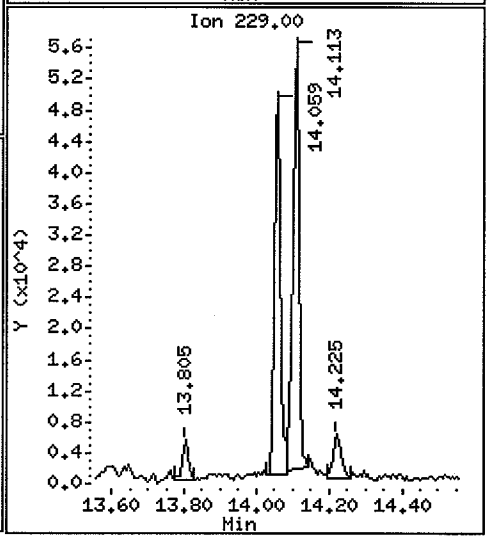












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

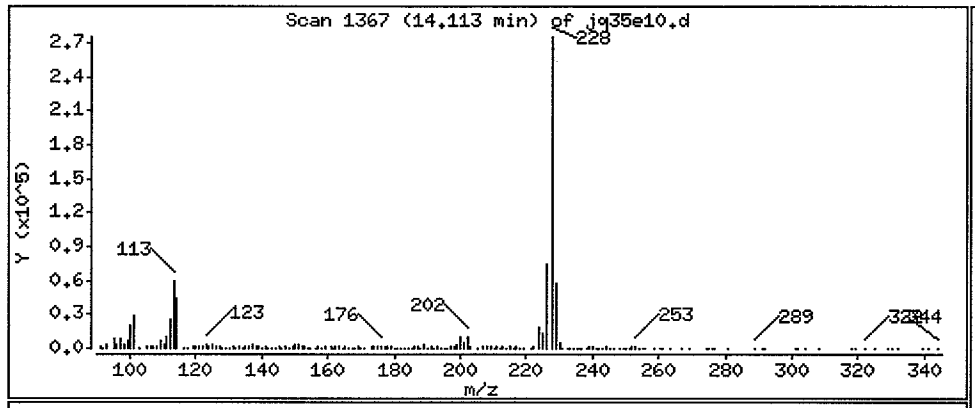
Operator: VTS

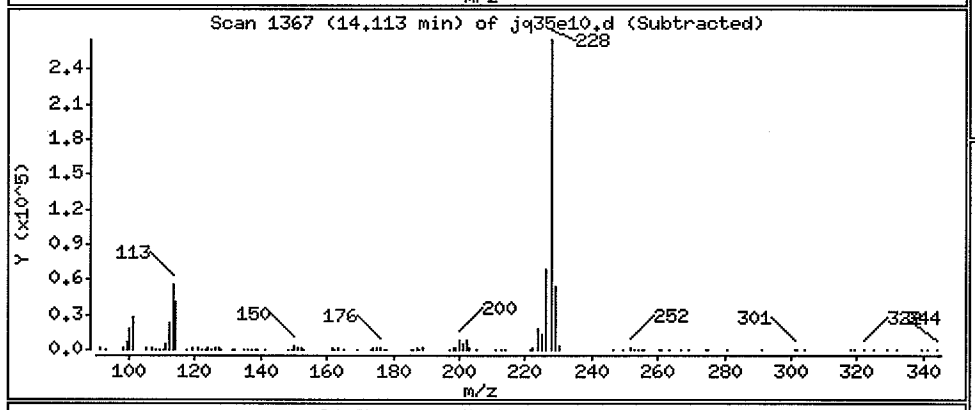
Column phase: ZB-5

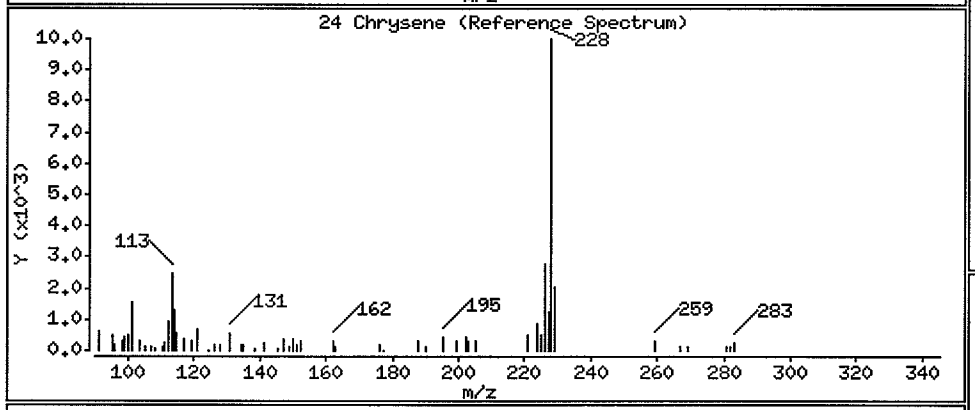
Column diameter: 0.25

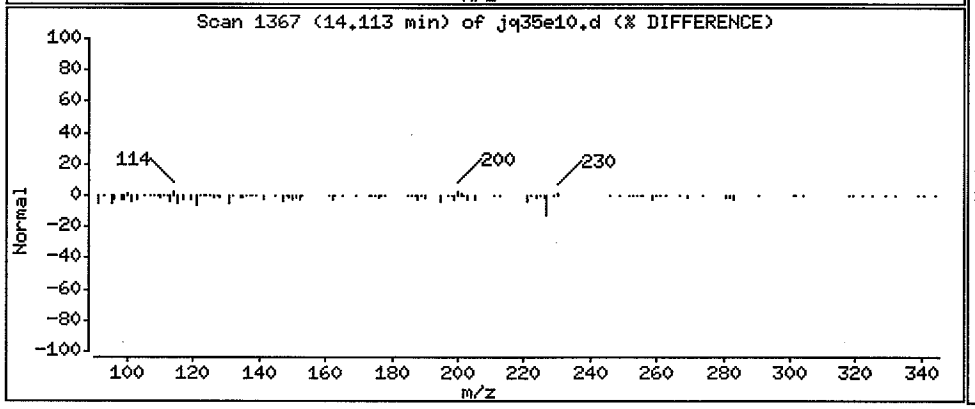
24 Chrysene

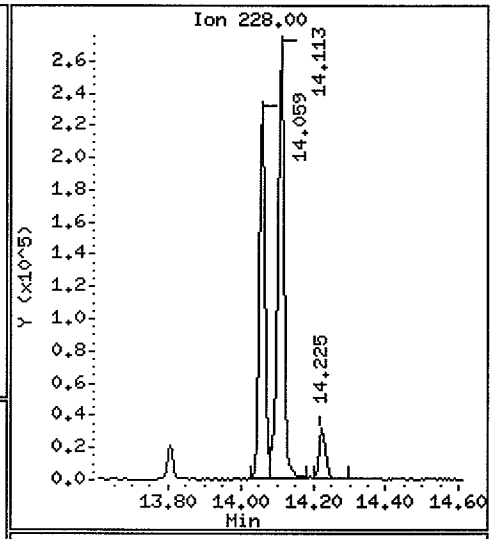
Concentration: 6283 ug/kg

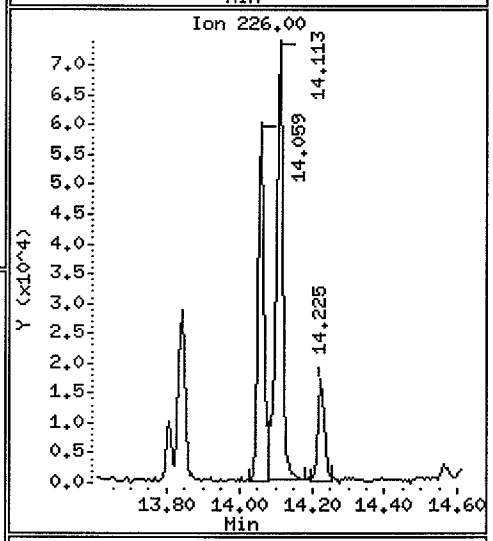


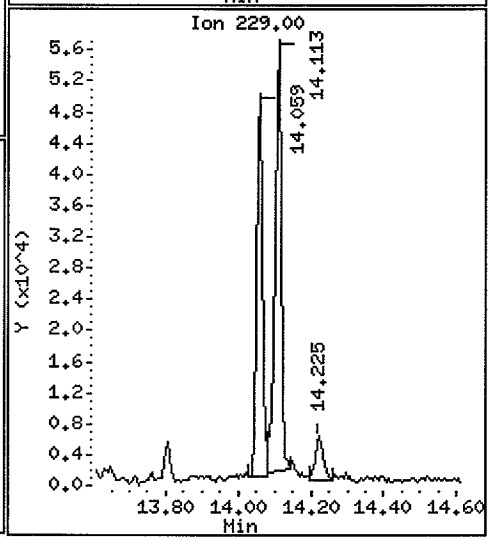












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

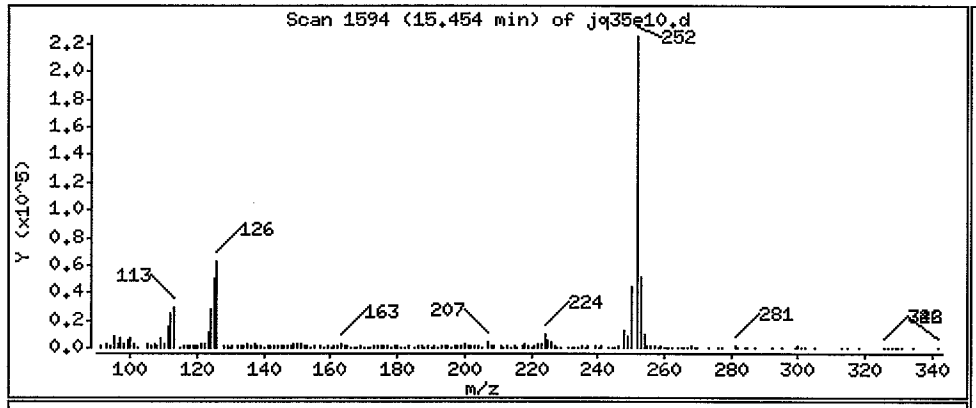
Operator: VTS

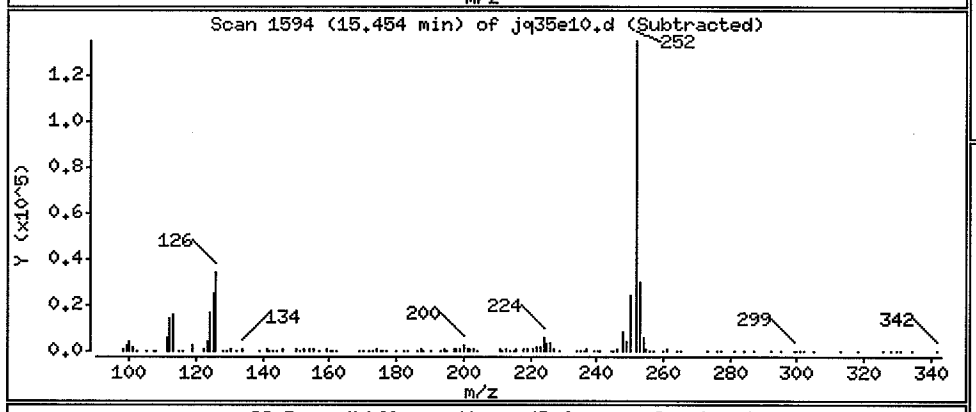
Column phase: ZB-5

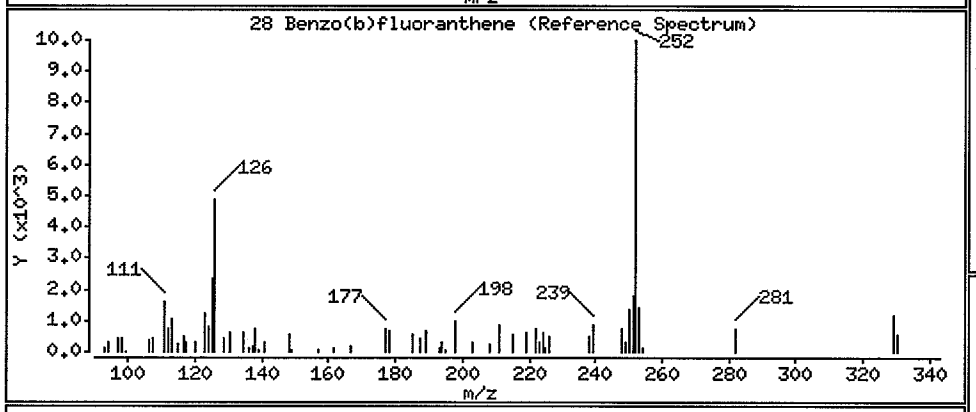
Column diameter: 0.25

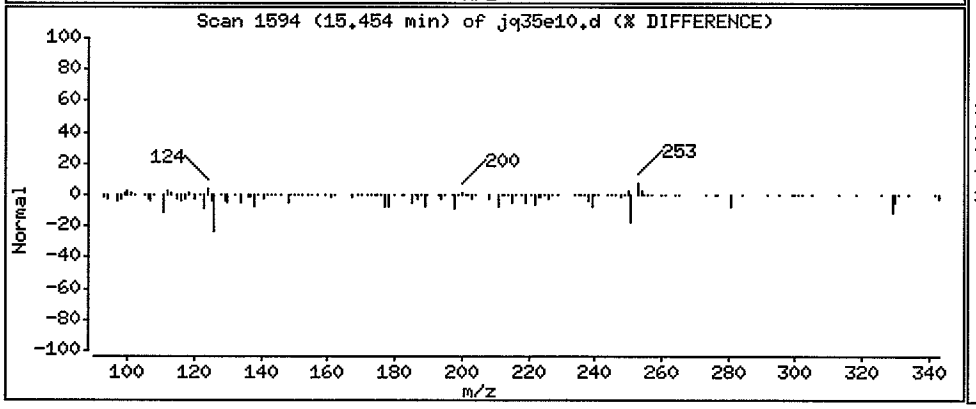
28 Benzo(b)fluoranthene

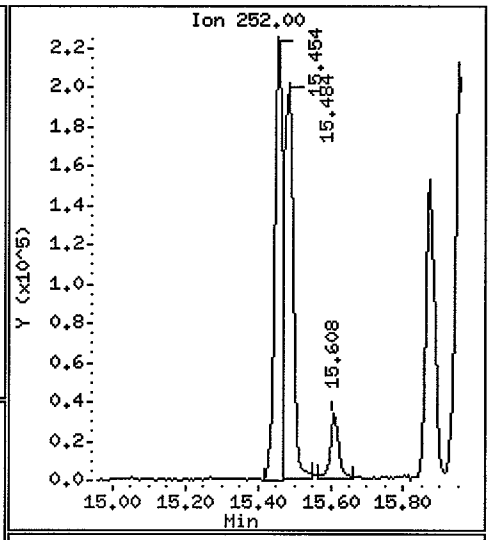
Concentration: 6281 ug/kg

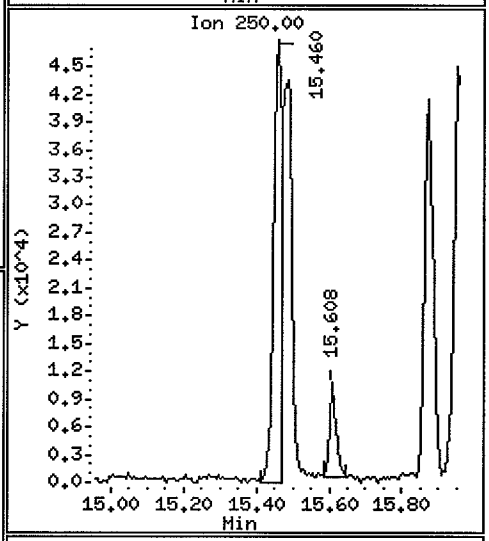


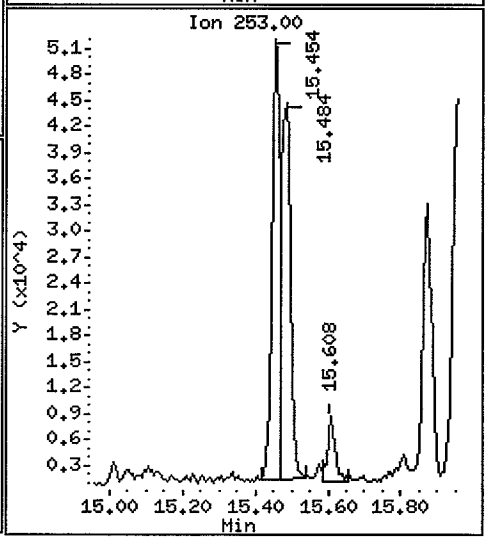












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

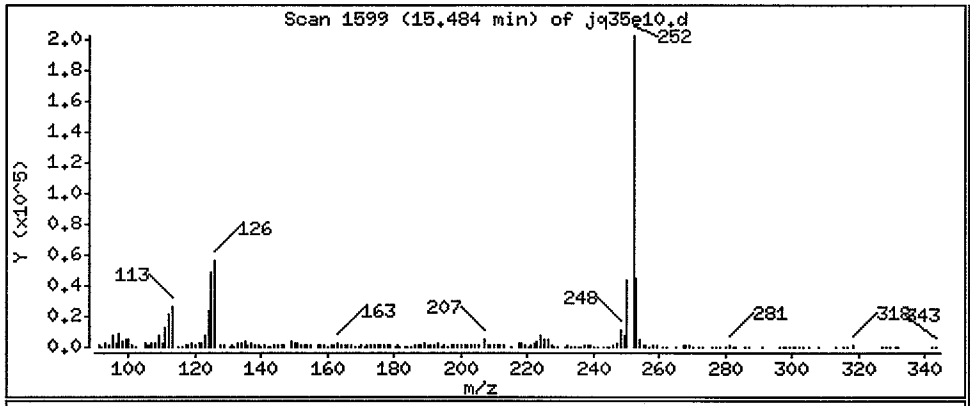
Operator: VTS

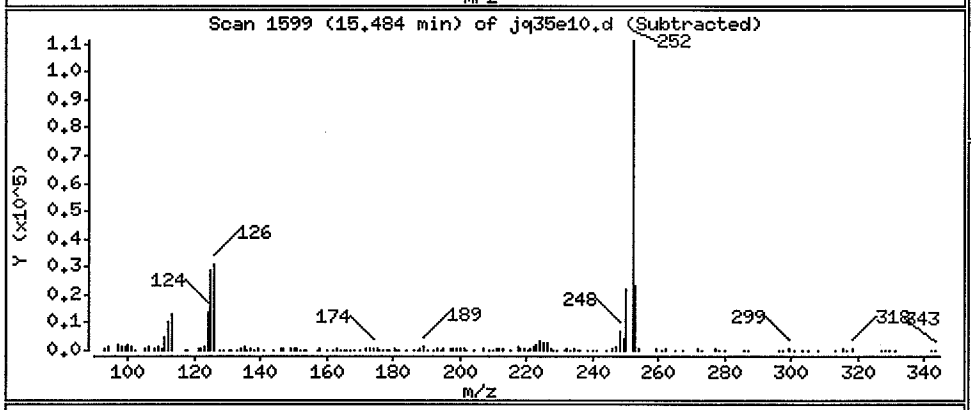
Column phase: ZB-5

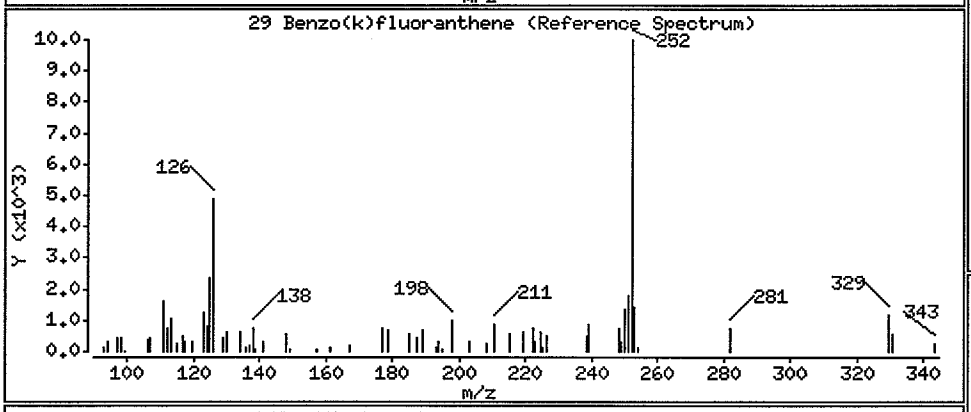
Column diameter: 0.25

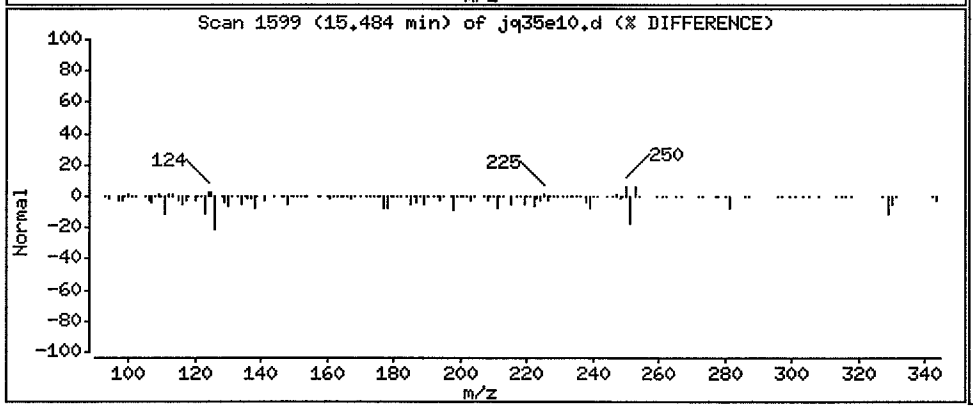
29 Benzo(k)fluoranthene

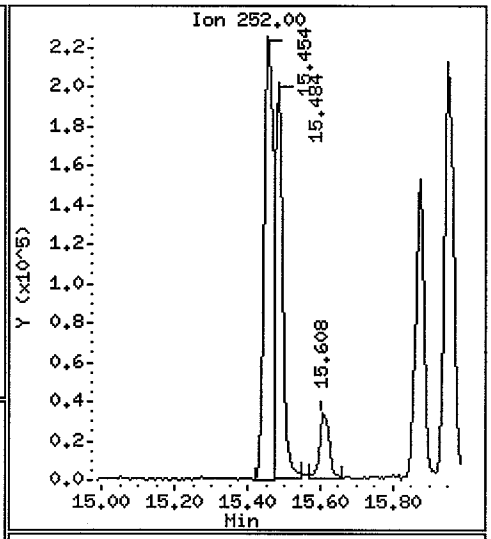
Concentration: 5074 ug/kg

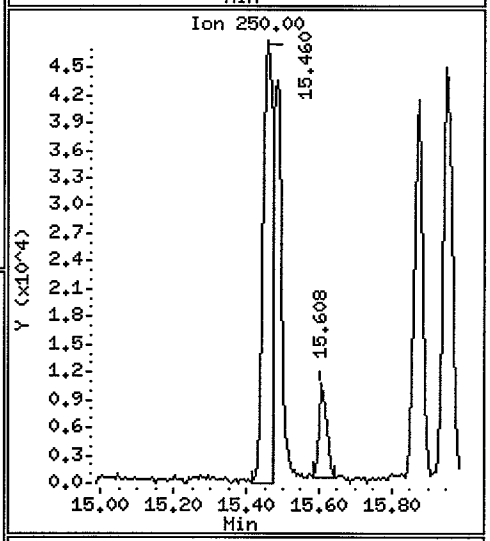


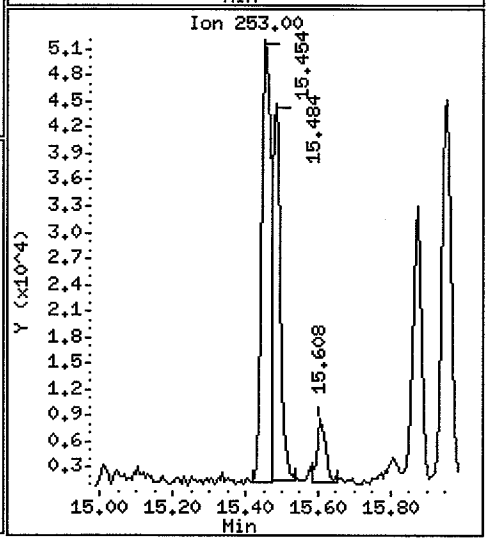












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

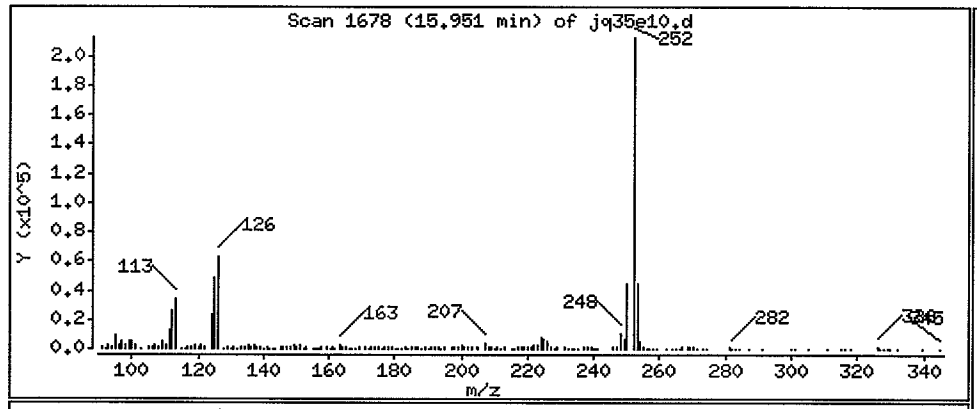
Operator: VTS

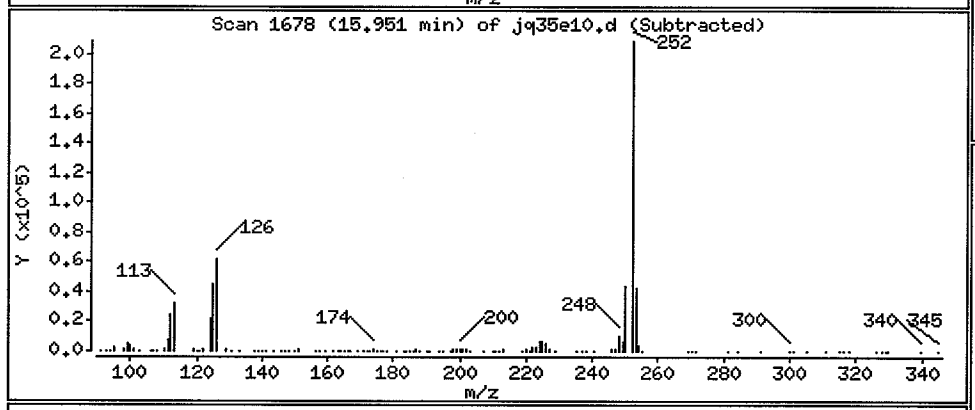
Column phase: ZB-5

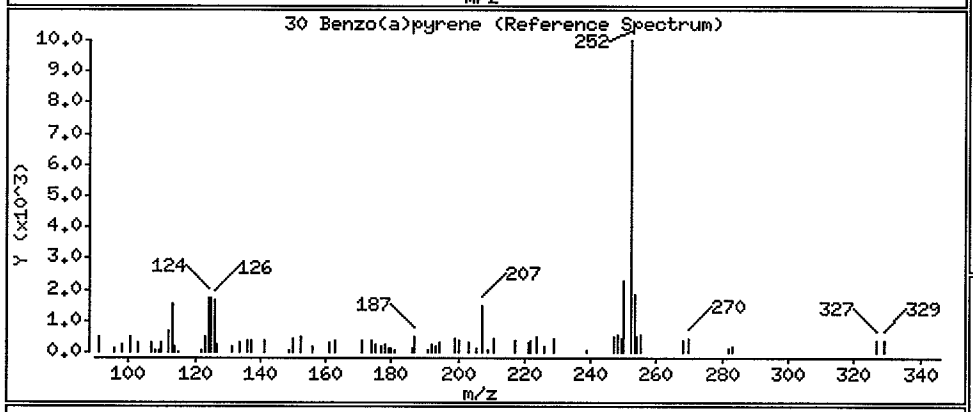
Column diameter: 0.25

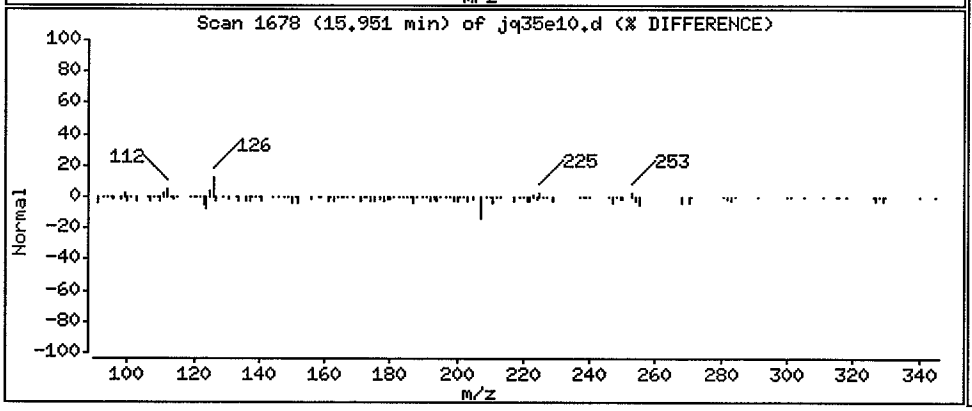
30 Benzo(a)pyrene

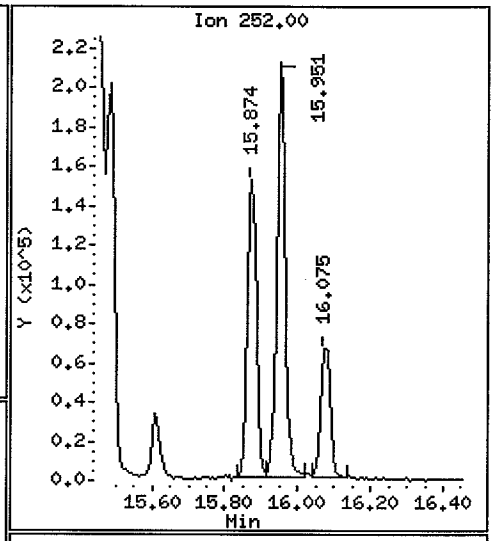
Concentration: 5940 ug/kg

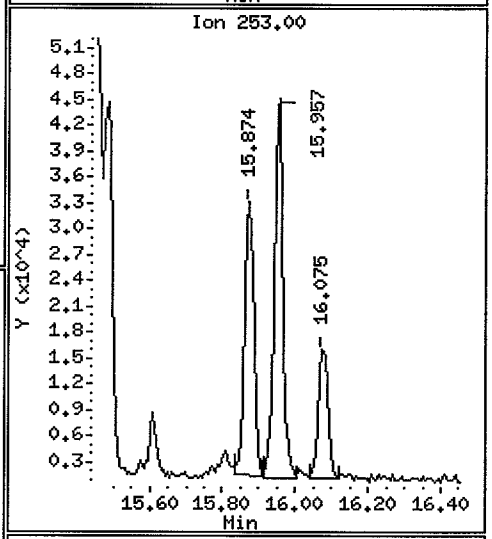


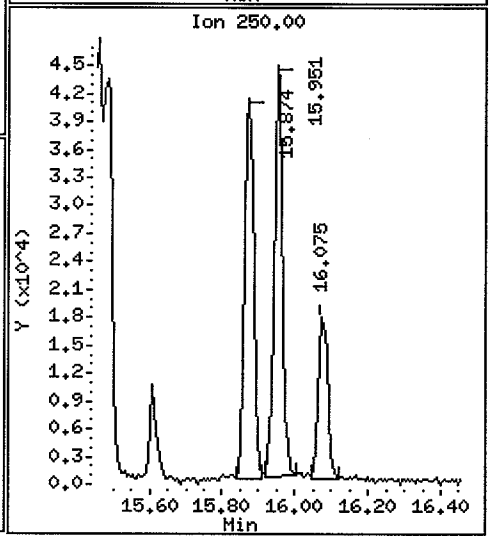












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

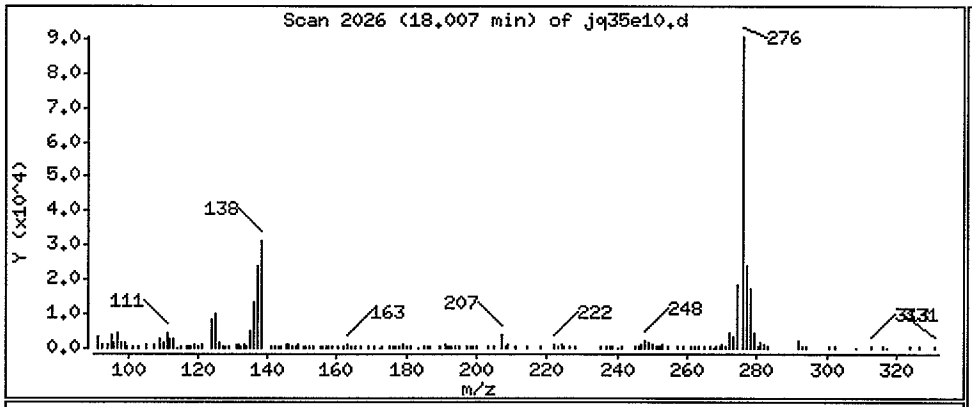
Operator: VTS

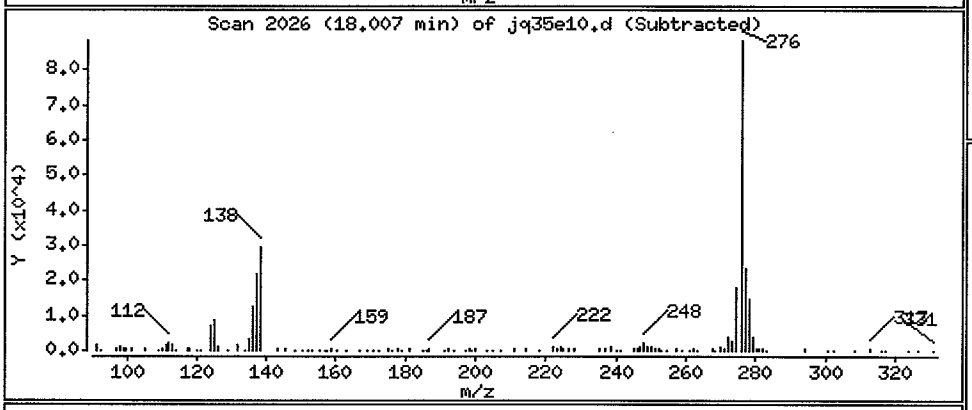
Column phase: ZB-5

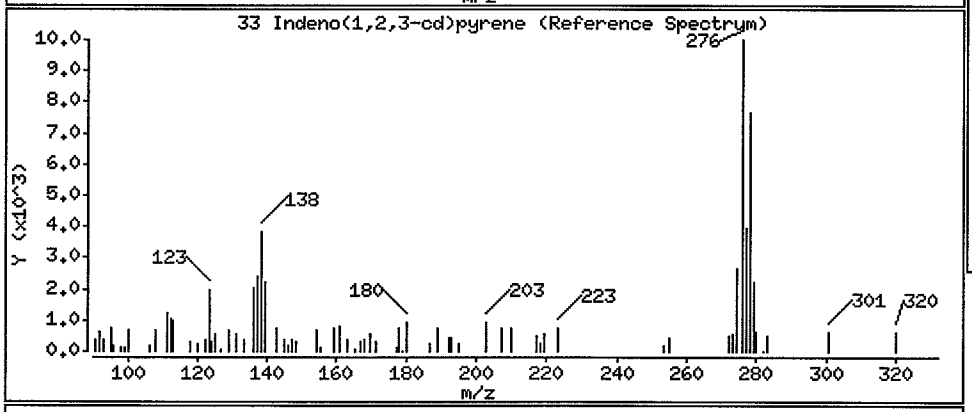
Column diameter: 0.25

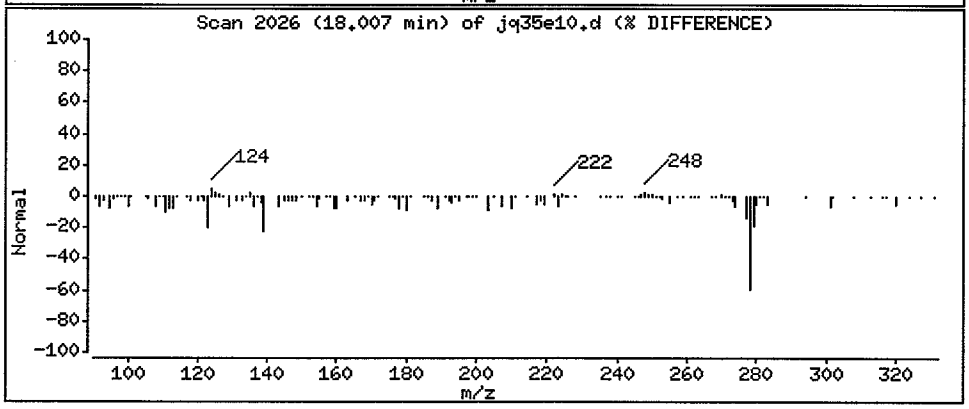
33 Indeno(1,2,3-cd)pyrene

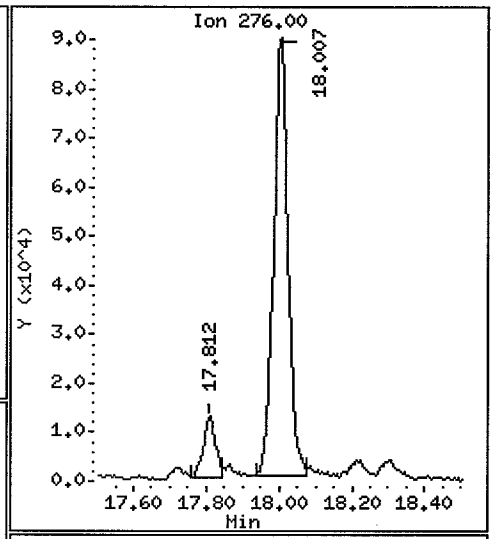
Concentration: 3628 ug/kg

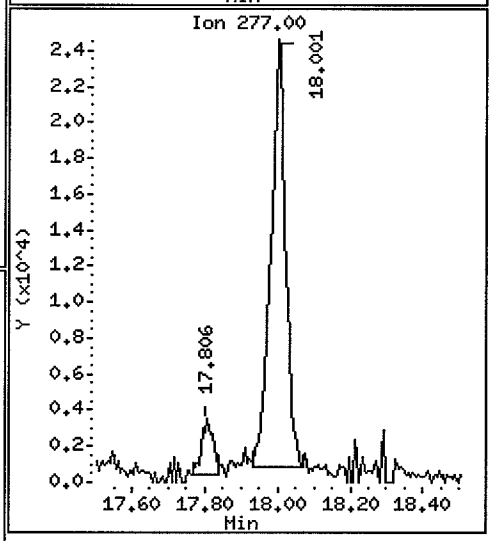












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

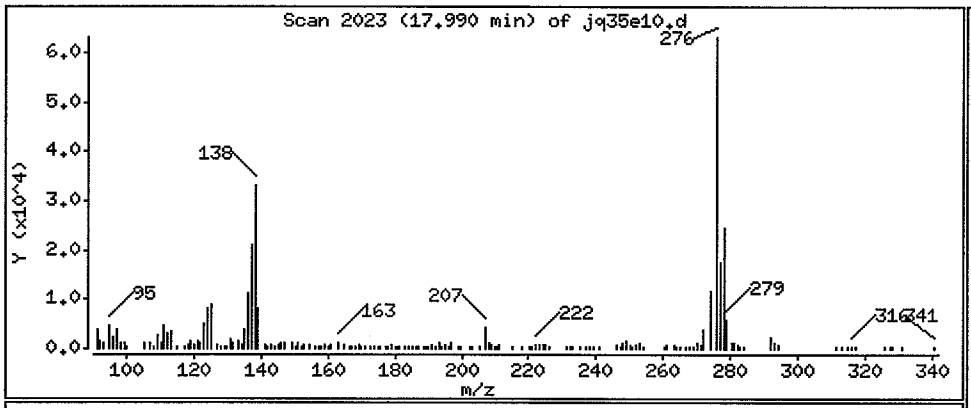
Operator: VTS

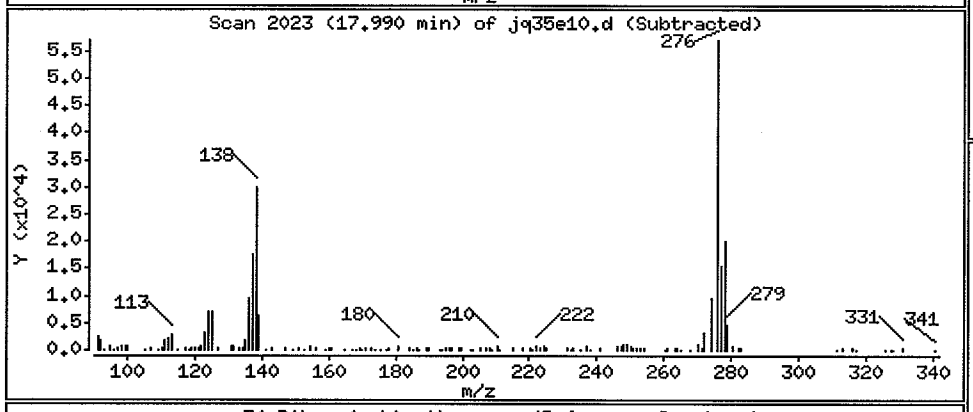
Column phase: ZB-5

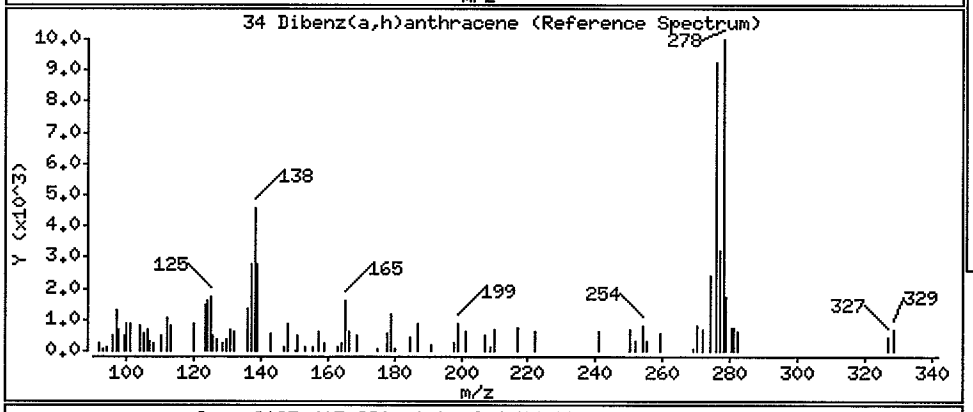
Column diameter: 0.25

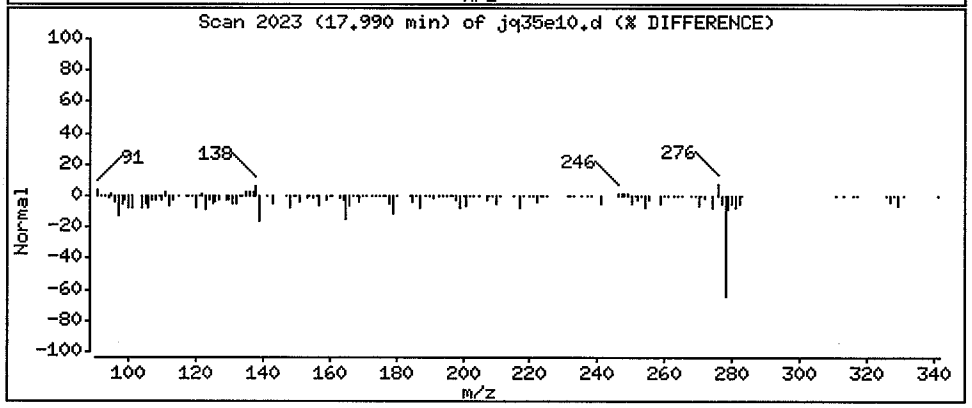
34 Dibenz(a,h)anthracene

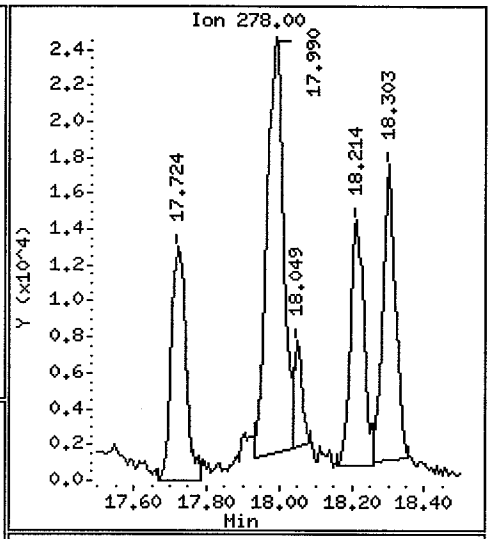
Concentration: 1323 ug/kg

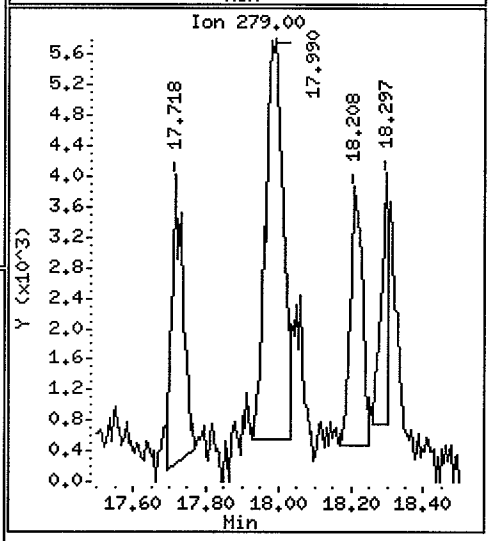












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

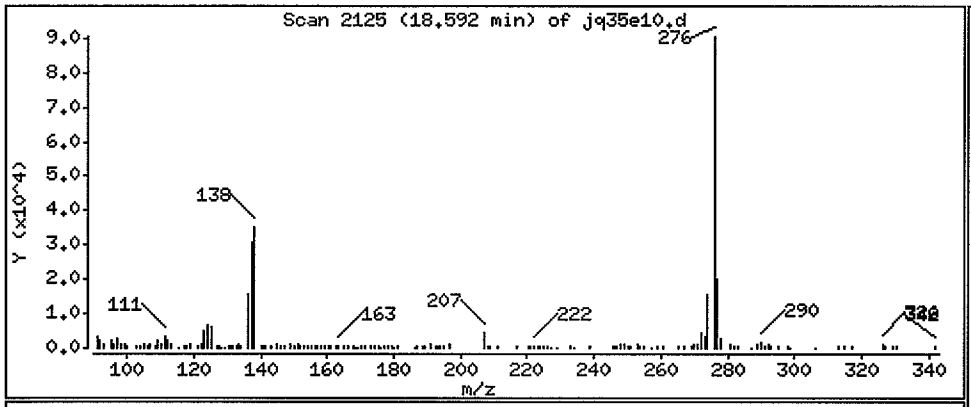
Operator: VTS

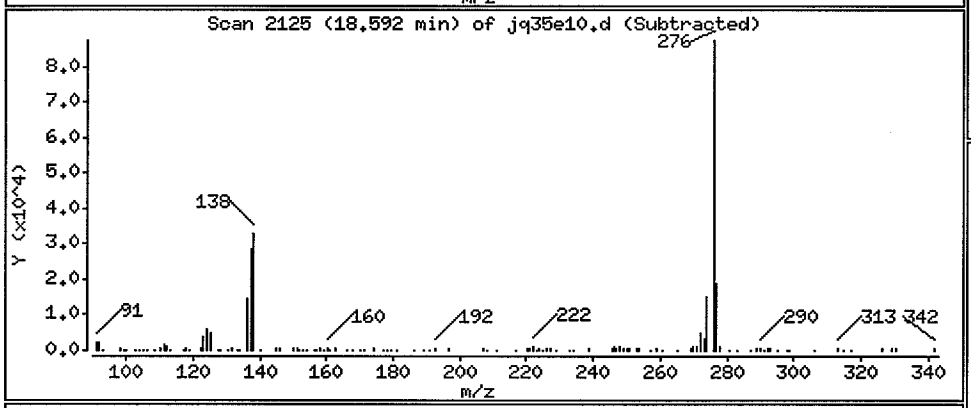
Column phase: ZB-5

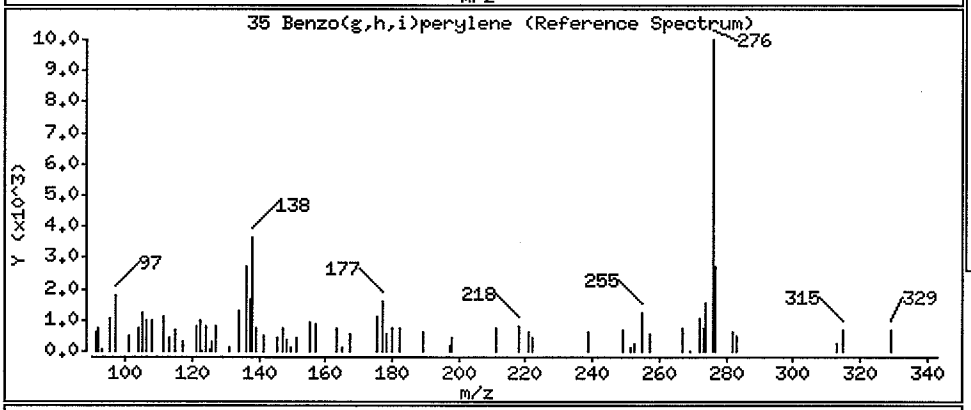
Column diameter: 0.25

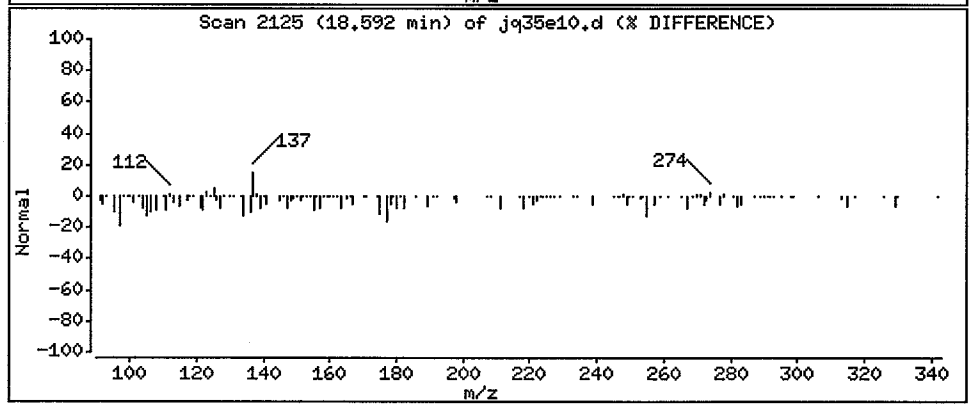
35 Benzo(g,h,i)perylene

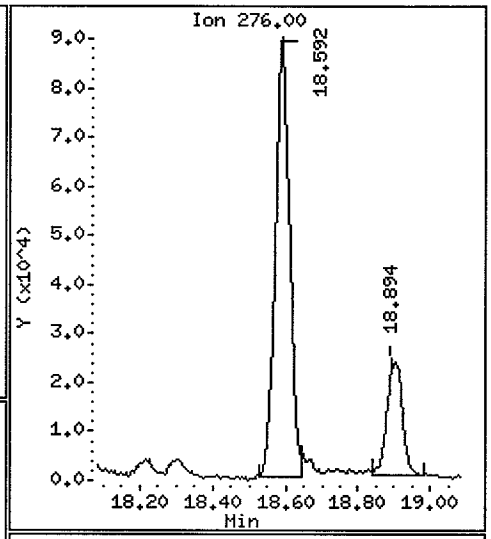
Concentration: 4275 ug/kg

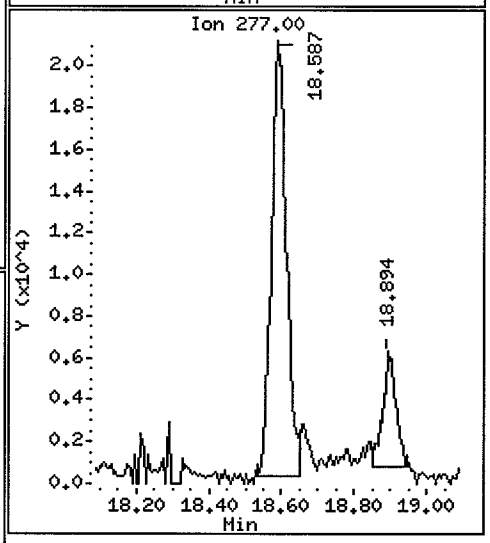












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

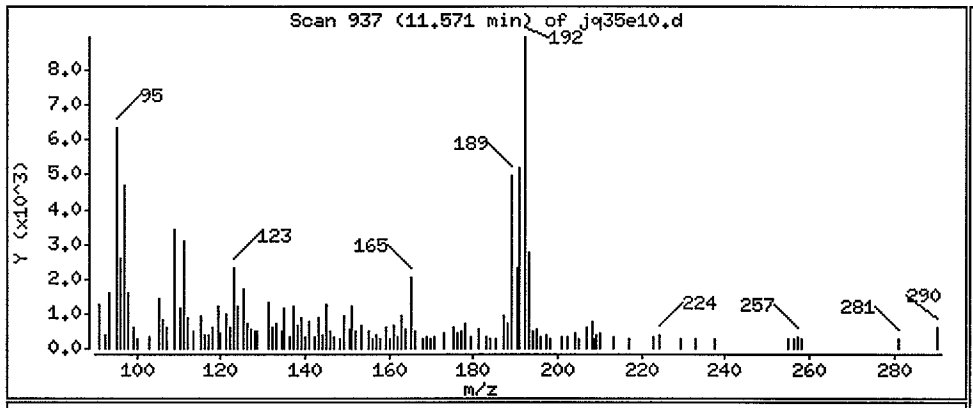
Operator: VTS

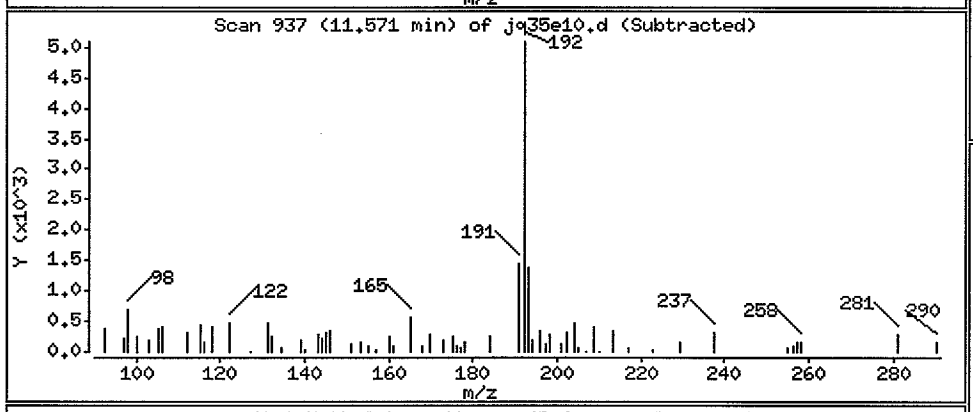
Column phase: ZB-5

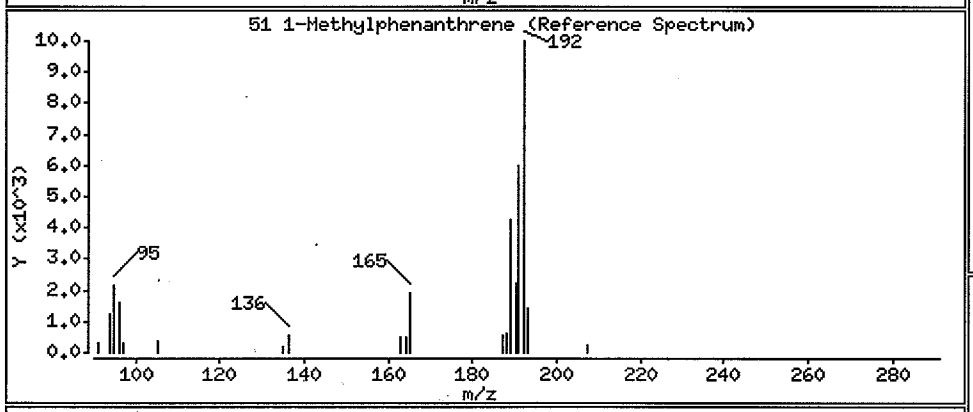
Column diameter: 0.25

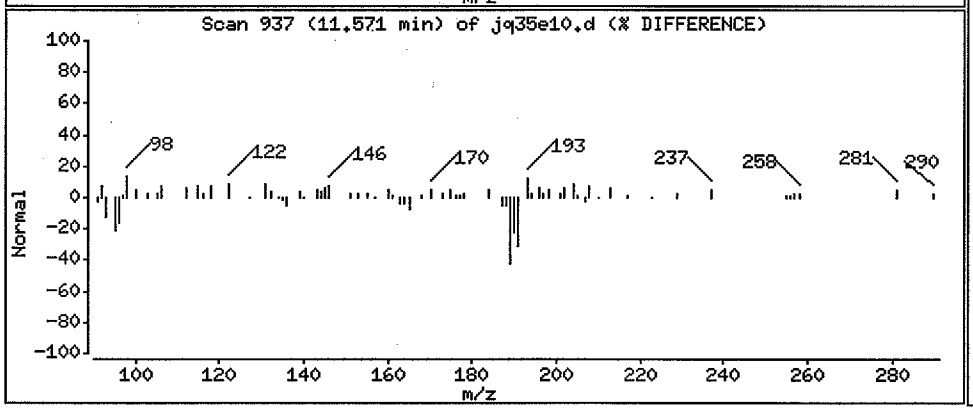
51 1-Methylphenanthrene

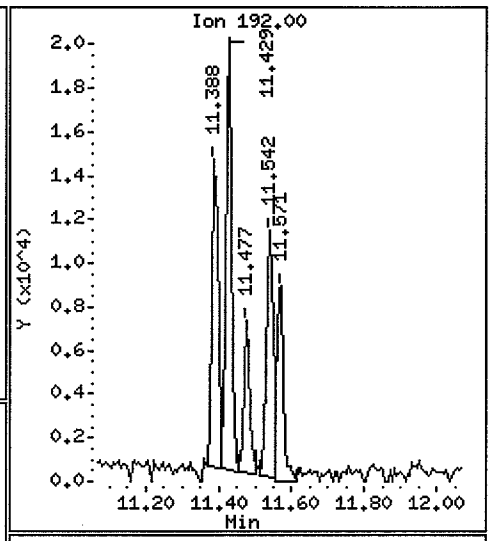
Concentration: 309.5 ug/kg

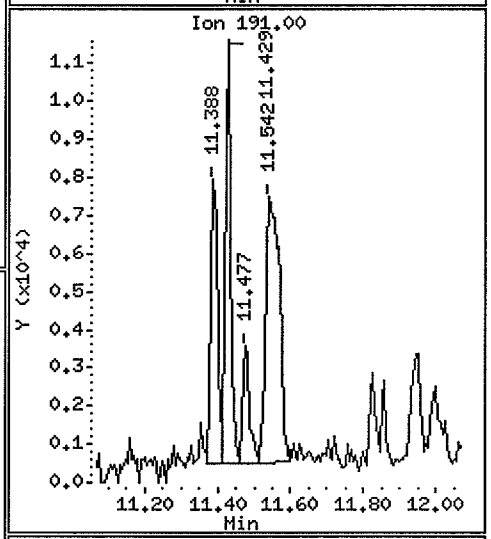


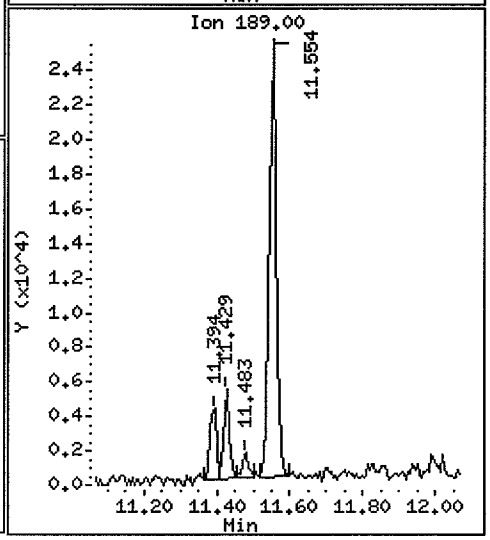












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

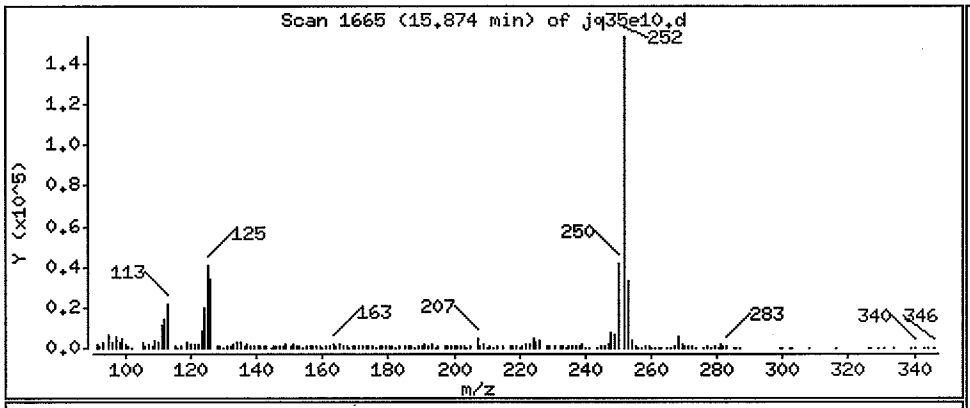
Operator: VTS

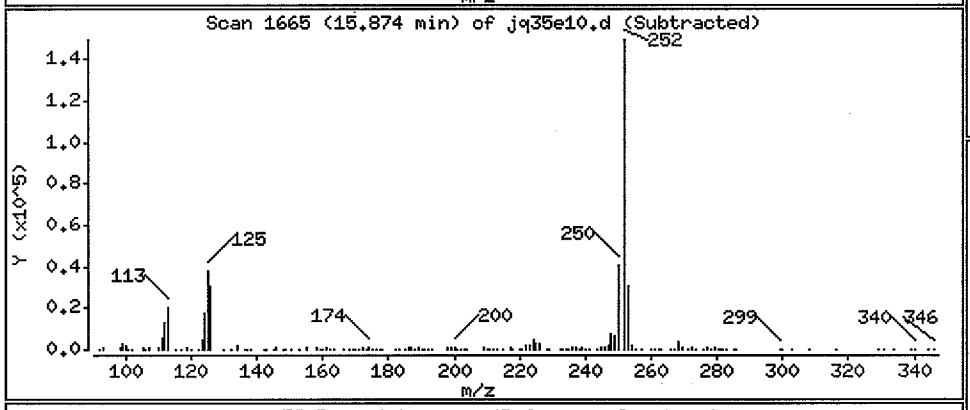
Column phase: ZB-5

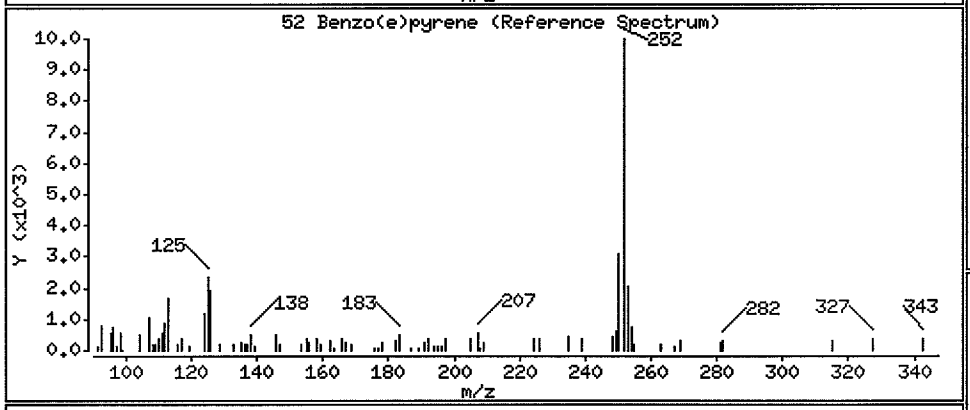
Column diameter: 0.25

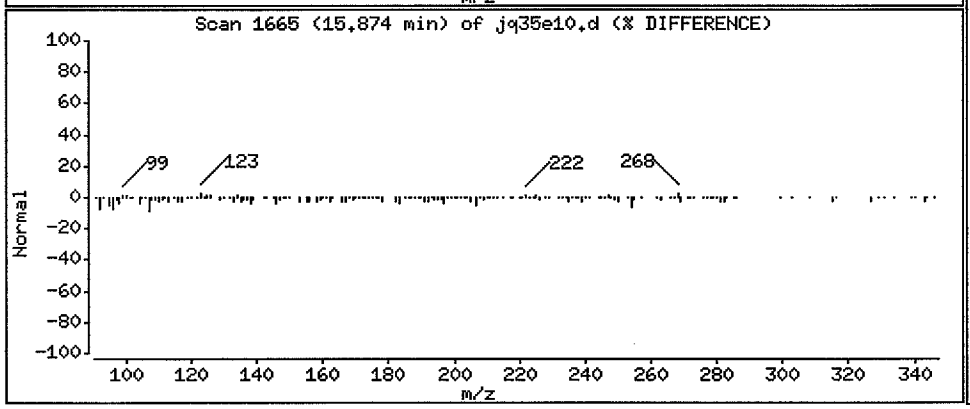
52 Benzo(e)pyrene

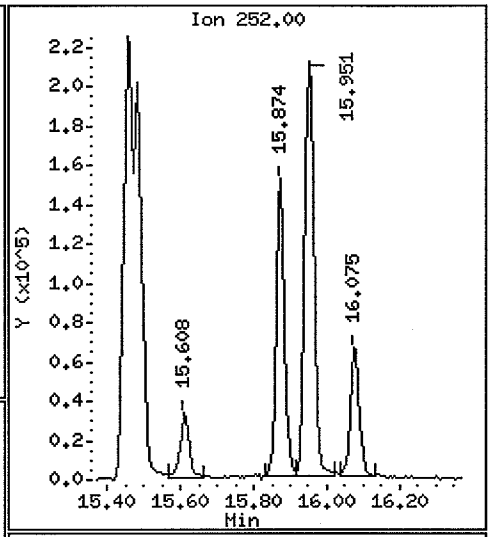
Concentration: 3767 ug/kg

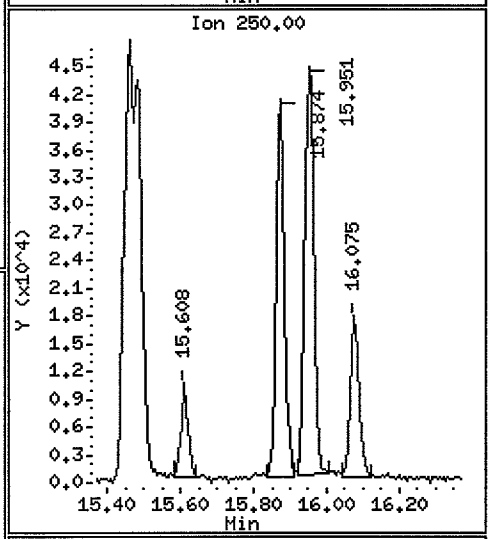


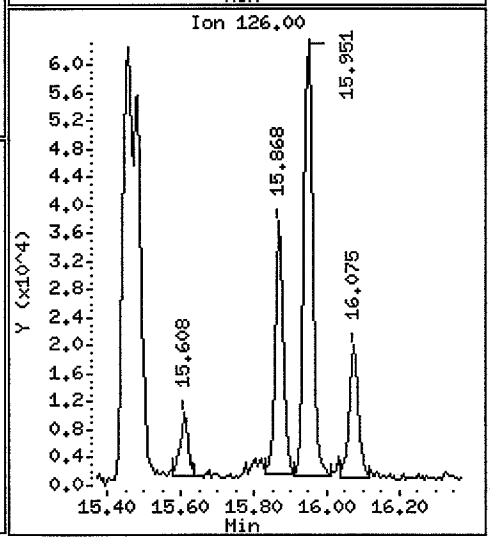












Data File: /chem3/nt1.i/20060807.b/jq35e10.d

Date : 07-AUG-2006 14:09

Client ID: T4-S3-03-B

Instrument: nt1.i

Sample Info: JQ35E,10

Volume Injected (uL): 1.0

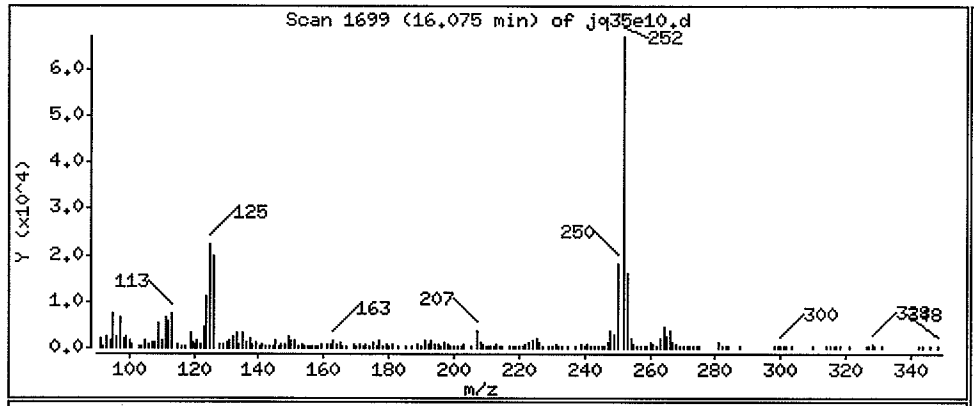
Operator: VTS

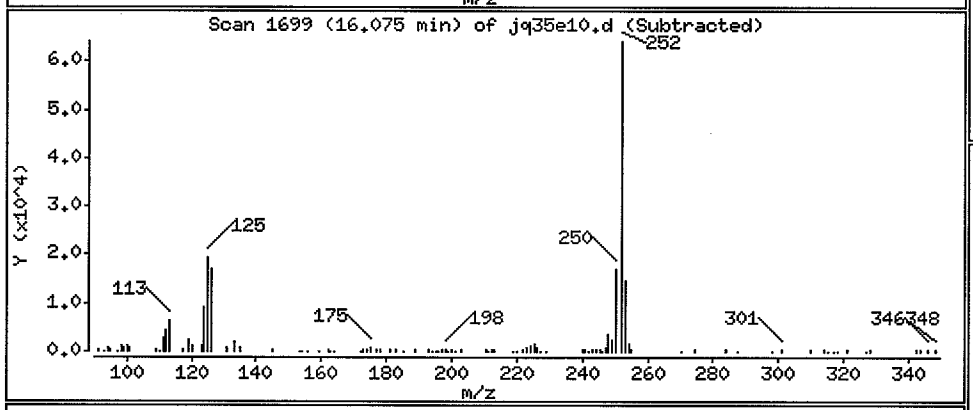
Column phase: ZB-5

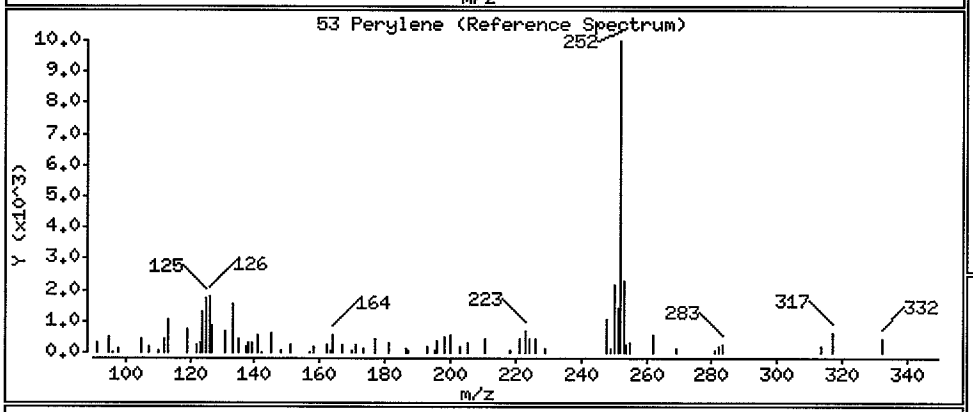
Column diameter: 0.25

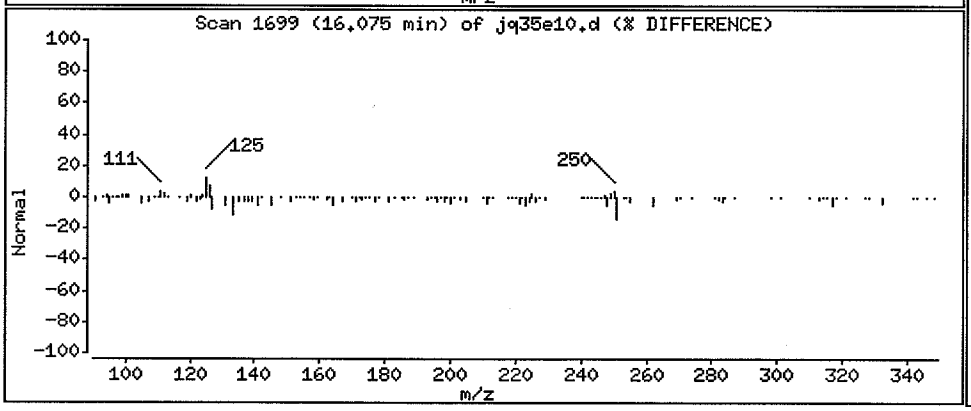
53 Perylene

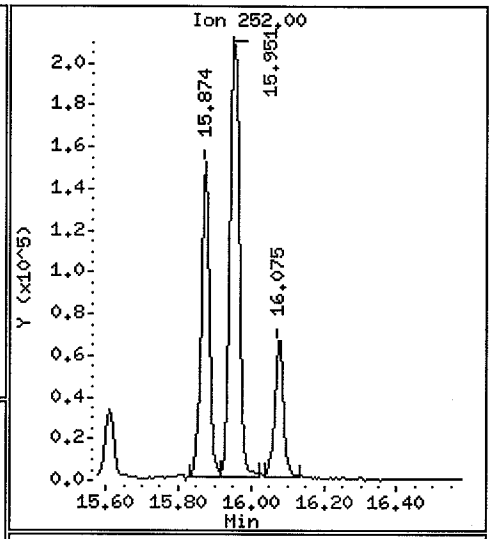
Concentration: 1853 ug/kg

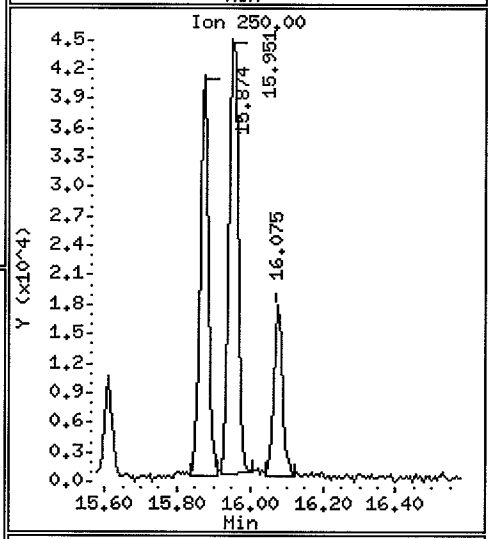


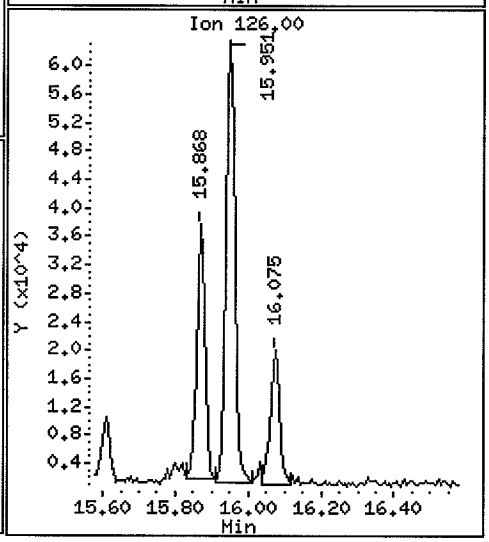












ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-03-C
SAMPLE

Lab Sample ID: JQ35F
LIMS ID: 06-12961
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 14:34
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: 40.6%
pH: 6.6

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**50**	**69**
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**	**170**
86-73-7	**Fluorene**	**50**	**120**
85-01-8	**Phenanthrene**	**50**	**610**
120-12-7	**Anthracene**	**50**	**110**
206-44-0	**Fluoranthene**	**50**	**1,300**
129-00-0	**Pyrene**	**50**	**1,300**
56-55-3	**Benzo(a)anthracene**	**50**	**570**
218-01-9	**Chrysene**	**50**	**830**
205-99-2	**Benzo(b)fluoranthene**	**50**	**730**
207-08-9	**Benzo(k)fluoranthene**	**50**	**690**
50-32-8	**Benzo(a)pyrene**	**50**	**790**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**50**	**490**
53-70-3	**Dibenz(a,h)anthracene**	**50**	**150**
191-24-2	**Benzo(g,h,i)perylene**	**50**	**640**
198-55-0	**Perylene**	**50**	**400**
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**	**54**

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	69.3%
d14-Dibenzo(a,h)anthracen	66.7%

FORM I

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq35f10.d
Lab Smp Id: JQ35F Client Smp ID: T4-S3-03-C
Inj Date : 07-AUG-2006 14:34
Operator : VTS Inst ID: nt1.i
Smp Info : JQ35F,10
Misc Info : 06-12961
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: 9
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	17.00000	Weight of sample extracted (g)
M	40.60000	% 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)	265580	2.00000	
2 Naphthalene	128	6.914	6.915	(1.003)	17993	0.13583	67.25
$ 3 2-Methylnaphthalene-d10	152	7.646	7.648	(1.110)	14228	0.20800	103.0
4 2-Methylnaphthalene	142	7.688	7.683	(1.116)	5687	0.07249	35.89 J
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	8.775	8.771	(0.980)	9308	0.07758	38.41 J
* 8 Acenaphthene-d10	164	8.953	8.954	(1.000)	144721	2.00000	
9 Acenaphthene	153	8.994	8.989	(1.005)	24070	0.33873	167.7
10 Dibenzofuran	168	9.183	9.178	(1.026)	7387	0.07057	34.94 J
11 Fluorene	166	9.603	9.604	(1.073)	19676	0.24147	119.6
* 15 Phenanthrene-d10	188	10.767	10.762	(1.000)	240069	2.00000	
16 Phenanthrene	178	10.796	10.792	(1.003)	153343	1.24443	616.2
17 Anthracene	178	10.850	10.851	(1.008)	27151	0.22049	109.2
19 Fluoranthene	202	12.292	12.287	(1.142)	324845	2.58460	1280
20 Pyrene	202	12.581	12.577	(0.893)	365410	2.66461	1319

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
22 Benzo(a)anthracene	228	14.059	14.054	(0.998)	149590	1.16318	575.9
* 23 Chrysene-d12	240	14.082	14.078	(1.000)	213562	2.00000	
24 Chrysene	228	14.112	14.107	(1.002)	199680	1.68338	833.5
28 Benzo(b)fluoranthene	252	15.460	15.455	(0.964)	189865	1.47231	729.0
29 Benzo(k)fluoranthene	252	15.483	15.484	(0.965)	192608	1.40098	693.7
30 Benzo(a)pyrene	252	15.956	15.951	(0.995)	200774	1.59780	791.1
* 31 Perylene-d12	264	16.039	16.034	(1.000)	228495	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	18.007	18.002	(1.123)	142991	0.98953	490.0
$ 32 Dibenz(a,h)anthrancene-d14	292	17.930	17.931	(1.118)	17466	0.19974	98.90
34 Dibenz(a,h)anthracene	278	18.001	17.996	(1.122)	35211	0.29827	147.7(M)
35 Benzo(g,h,i)perylene	276	18.598	18.581	(1.160)	154789	1.28862	638.1
48 Biphenyl	154	Compound Not Detected.					
49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
50 2,3,5-Trimethylnaphthalene	170	9.437	9.438	(1.054)	6448	0.11180	55.36(M) -Corrected.
51 1-Methylphenanthrene	192	Compound Not Detected.					
52 Benzo(e)pyrene	252	15.873	15.869	(0.990)	143087	1.02873	509.4
53 Perylene	252	16.080	16.075	(1.003)	106234	0.81345	402.8

QC Flag Legend

M - Compound response manually integrated.

VDS
8.9.2006

YZ 8/9/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq35f10.d
Lab Smp Id: JQ35F Client Smp ID: T4-S3-03-C
Inj Date : 07-AUG-2006 14:34
Operator : VTS Inst ID: nt1.i
Smp Info : JQ35F,10
Misc Info : 06-12961
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: 9
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	17.00000	Weight of sample extracted (g)
M	40.60000	% 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)	265580	2.00000	
2 Naphthalene	128	6.914	6.915	(1.003)	17993	0.13583	67.25
$ 3 2-Methylnaphthalene-d10	152	7.646	7.648	(1.110)	14228	0.20800	103.0
4 2-Methylnaphthalene	142	7.688	7.683	(1.116)	5687	0.07249 J	35.89
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	8.775	8.771	(0.980)	9308	0.07758 J	38.41
* 8 Acenaphthene-d10	164	8.953	8.954	(1.000)	144721	2.00000	
9 Acenaphthene	153	8.994	8.989	(1.005)	24070	0.33873	167.7
10 Dibenzofuran	168	9.183	9.178	(1.026)	7387	0.07057 J	34.94
11 Fluorene	166	9.603	9.604	(1.073)	19676	0.24147	119.6
* 15 Phenanthrene-d10	188	10.767	10.762	(1.000)	240069	2.00000	
16 Phenanthrene	178	10.796	10.792	(1.003)	153343	1.24443	616.2
17 Anthracene	178	10.850	10.851	(1.008)	27151	0.22049	109.2
19 Fluoranthene	202	12.292	12.287	(1.142)	324845	2.58460	1280
20 Pyrene	202	12.581	12.577	(0.893)	365410	2.66461	1319

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
22 Benzo(a)anthracene	228	14.059	14.054	(0.998)	149590	1.16318	575.9
* 23 Chrysene-d12	240	14.082	14.078	(1.000)	213562	2.00000	
24 Chrysene	228	14.112	14.107	(1.002)	199680	1.68338	833.5
28 Benzo(b)fluoranthene	252	15.460	15.455	(0.964)	189865	1.47231	729.0
29 Benzo(k)fluoranthene	252	15.483	15.484	(0.965)	192608	1.40098	693.7
30 Benzo(a)pyrene	252	15.956	15.951	(0.995)	200774	1.59780	791.1
* 31 Perylene-d12	264	16.039	16.034	(1.000)	228495	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	18.007	18.002	(1.123)	142991	0.98953	490.0
$ 32 Dibenz(a,h)anthrancene-d14	292	17.930	17.931	(1.118)	17466	0.19974	98.90
34 Dibenz(a,h)anthracene	278	18.001	17.996	(1.122)	35211	0.29827	147.7(M)
35 Benzo(g,h,i)perylene	276	18.598	18.581	(1.160)	154789	1.28862	638.1
48 Biphenyl	154	Compound Not Detected.					
49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
50 2,3,5-Trimethylnaphthalene	170	9.437	9.438	(1.054)	8466	0.14677	72.67(M)
51 1-Methylphenanthrene	192	Compound Not Detected.					
52 Benzo(e)pyrene	252	15.873	15.869	(0.990)	143087	1.02873	509.4
53 Perylene	252	16.080	16.075	(1.003)	106234	0.81345	402.8

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: jq35f10.d
Lab Smp Id: JQ35F
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12961

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-03-C
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	265580	14.95
8 Acenaphthene-d10	129131	64566	258262	144721	12.07
15 Phenanthrene-d10	212850	106425	425700	240069	12.79
23 Chrysene-d12	190817	95408	381634	213562	11.92
31 Perylene-d12	197592	98796	395184	228495	15.64

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	-0.01
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	16.04	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

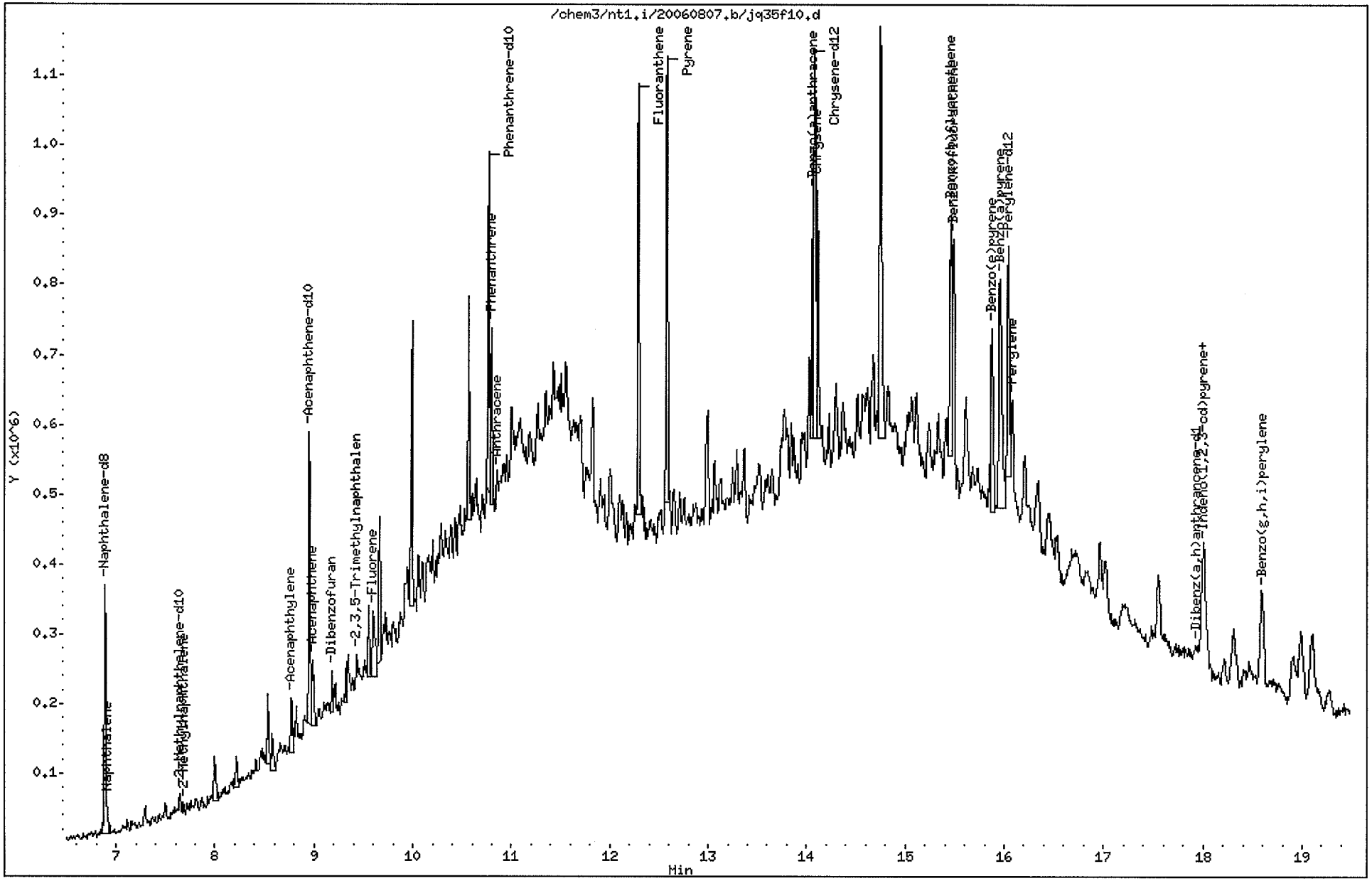
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35F
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12961

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-03-C
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	148.5	103.0	69.33	32-97
$ 32 Dibenz(a,h)anthran	148.5	98.90	66.58	21-105

Data File: /chem3/nt1.i/20060807.b/jq35f10.d
Date : 07-AUG-2006 14:34
Client ID: T4-S3-03-C
Sample Info: JQ35F,10
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0289

Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

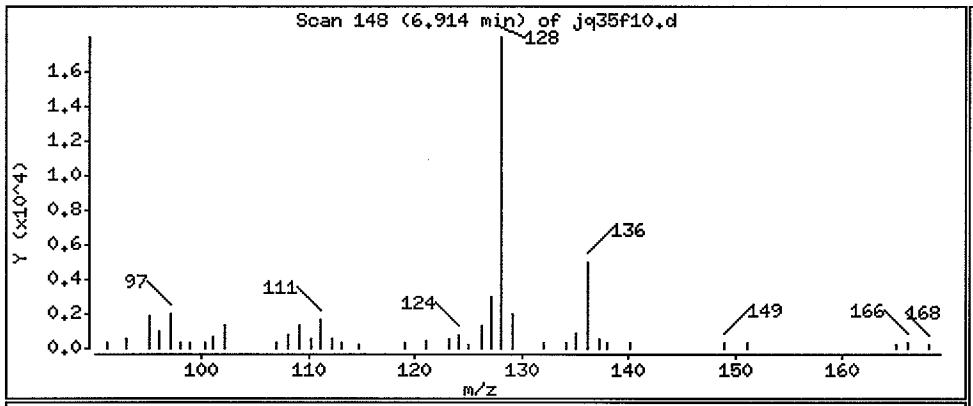
Operator: VTS

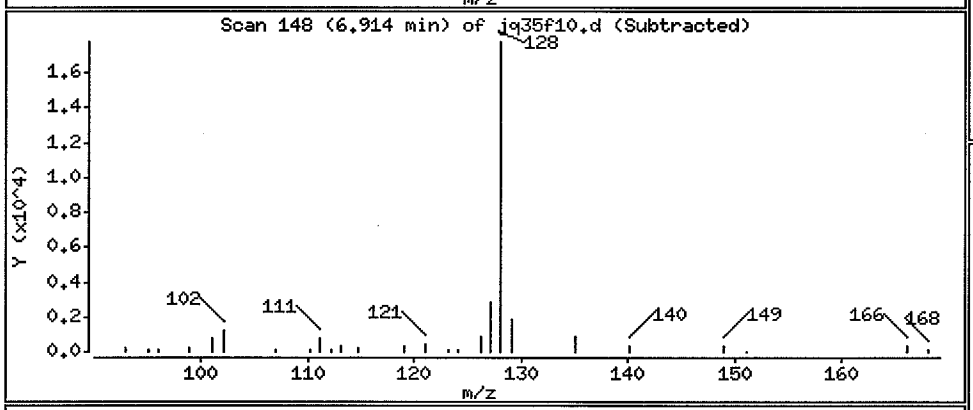
Column phase: ZB-5

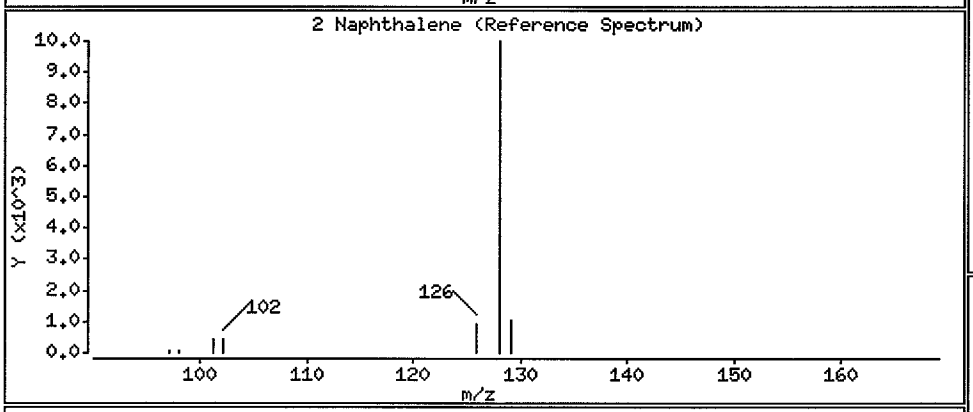
Column diameter: 0.25

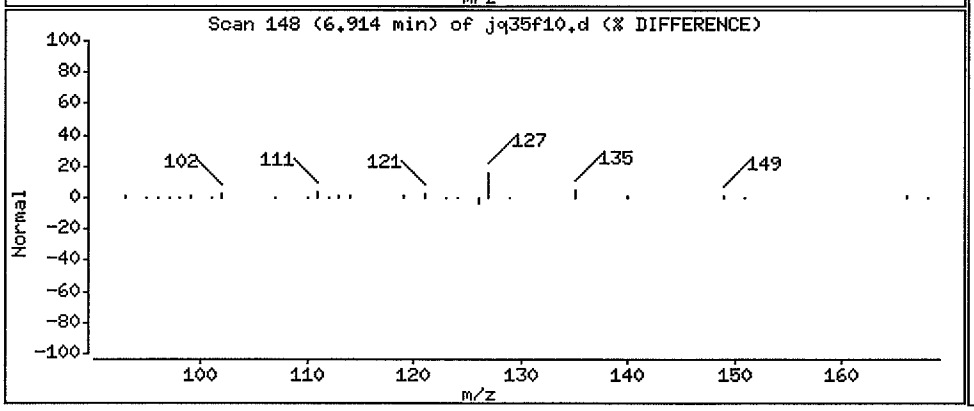
2 Naphthalene

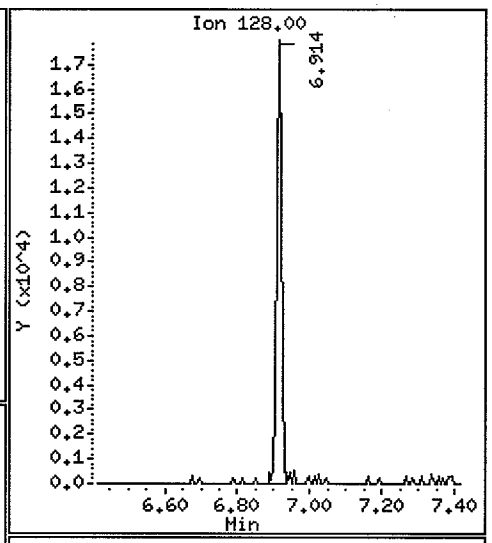
Concentration: 67.25 ug/kg

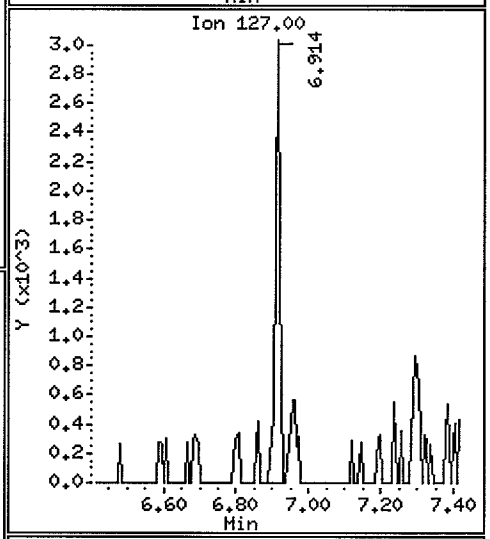


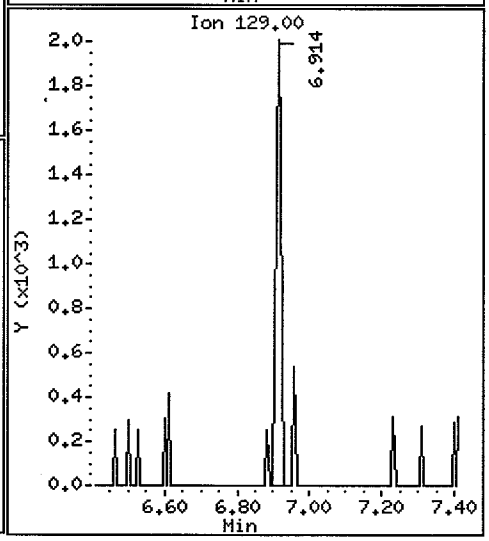












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

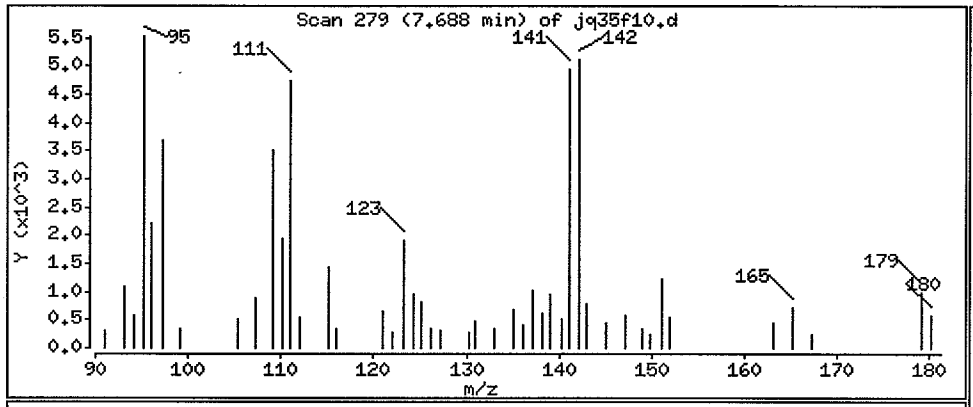
Operator: VTS

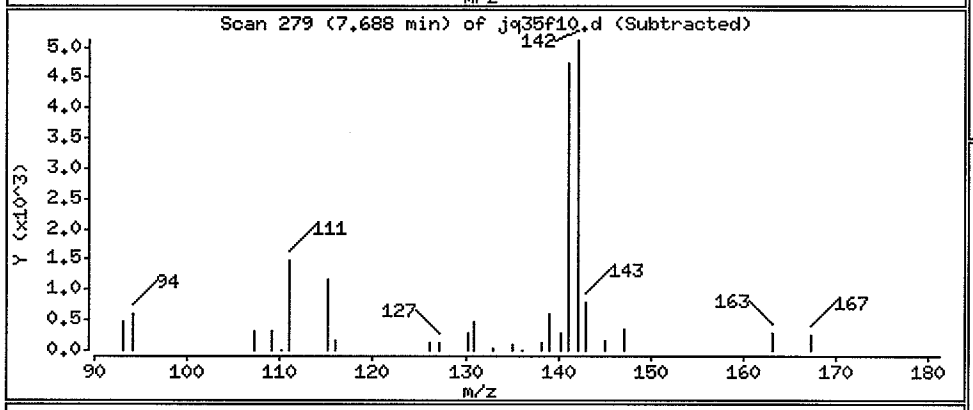
Column phase: ZB-5

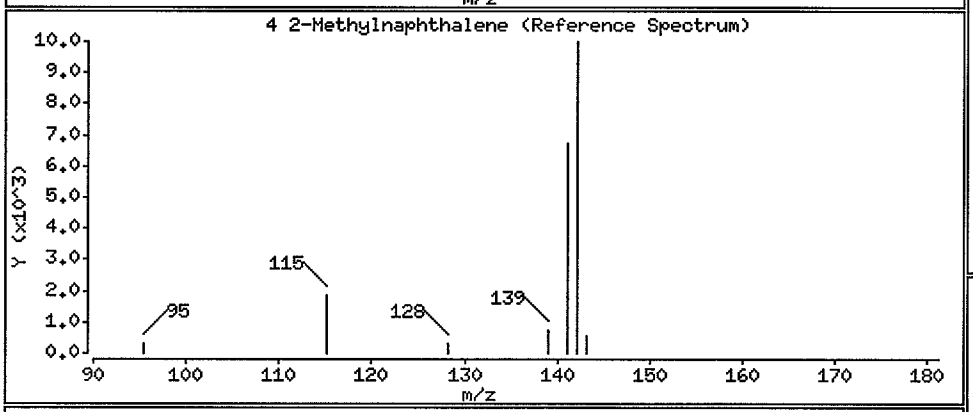
Column diameter: 0.25

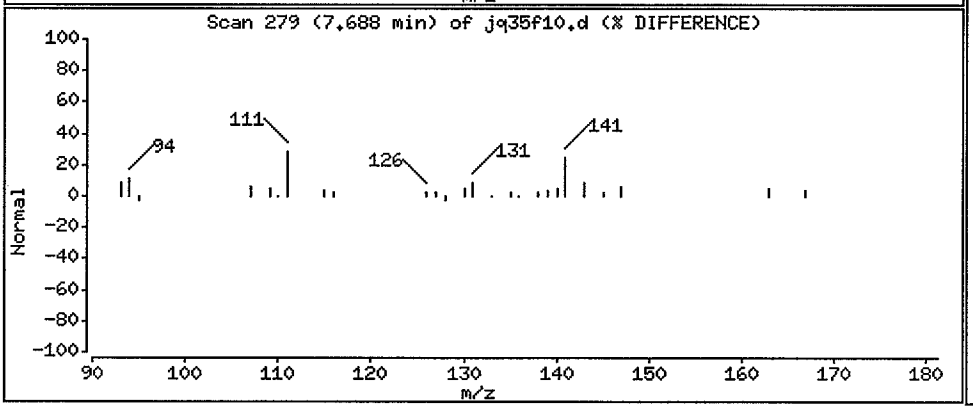
4 2-Methylnaphthalene

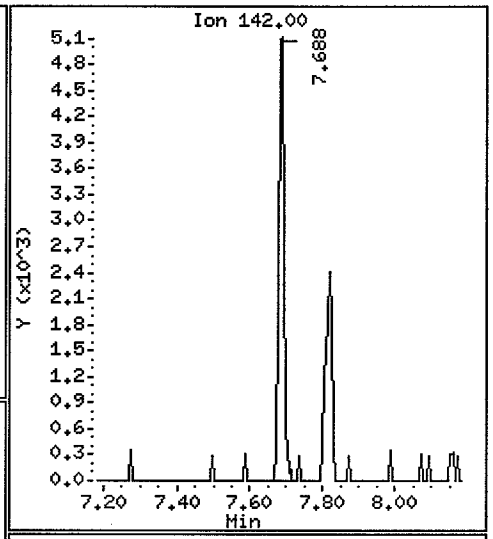
Concentration: 35.89 ug/kg

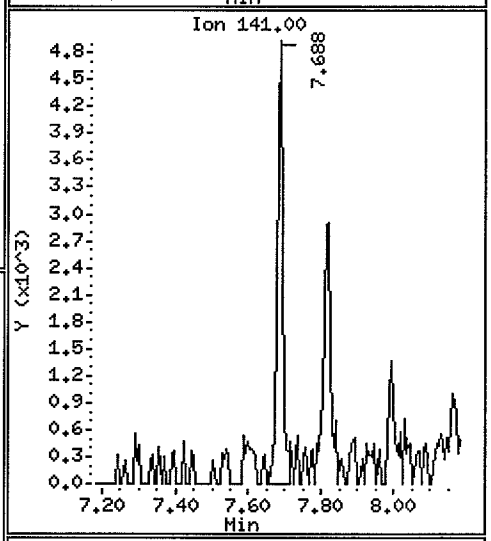


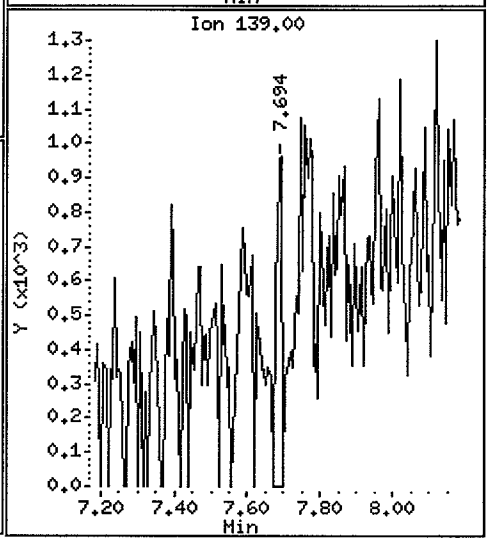












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

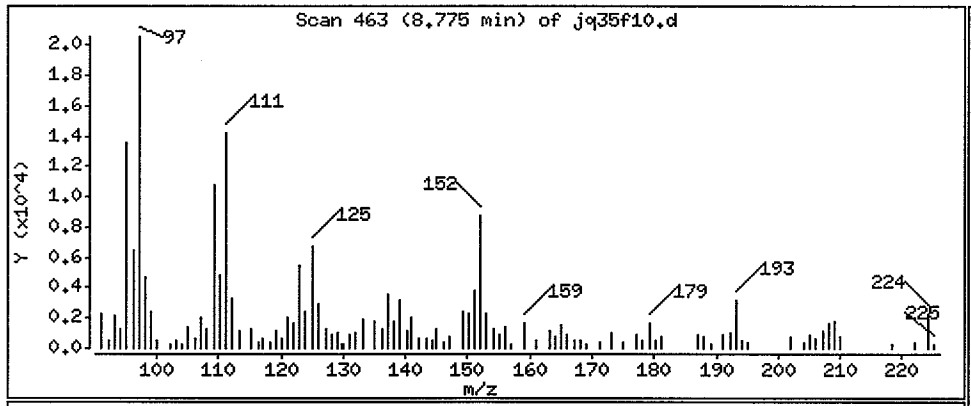
Operator: VTS

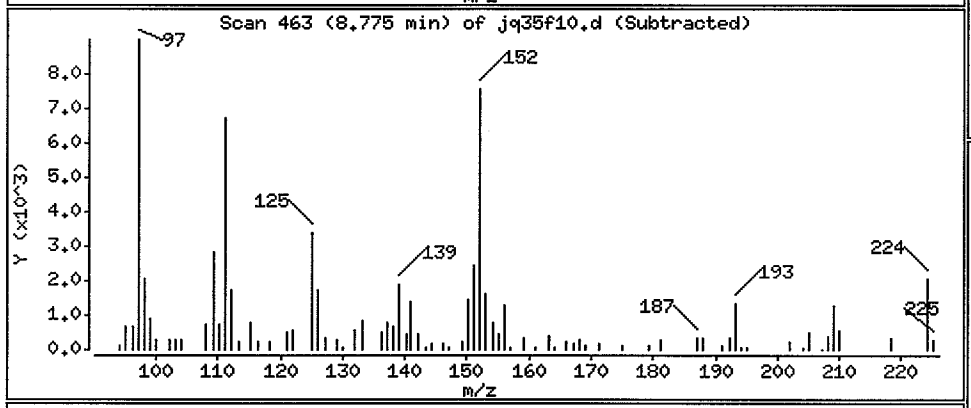
Column phase: ZB-5

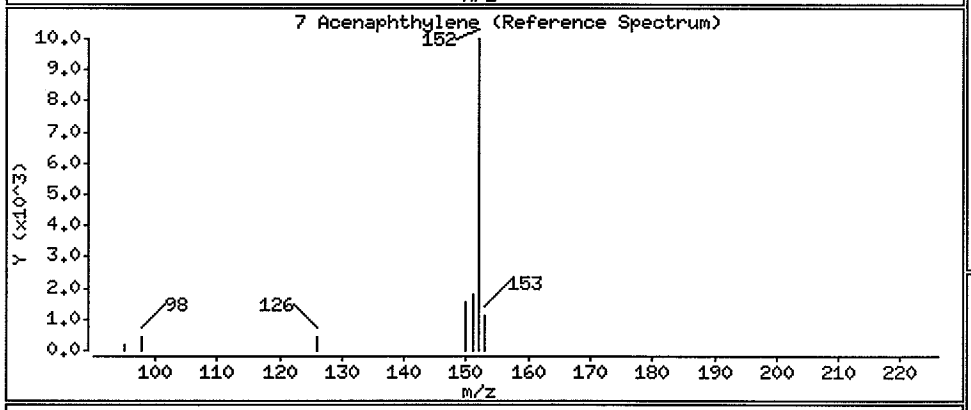
Column diameter: 0.25

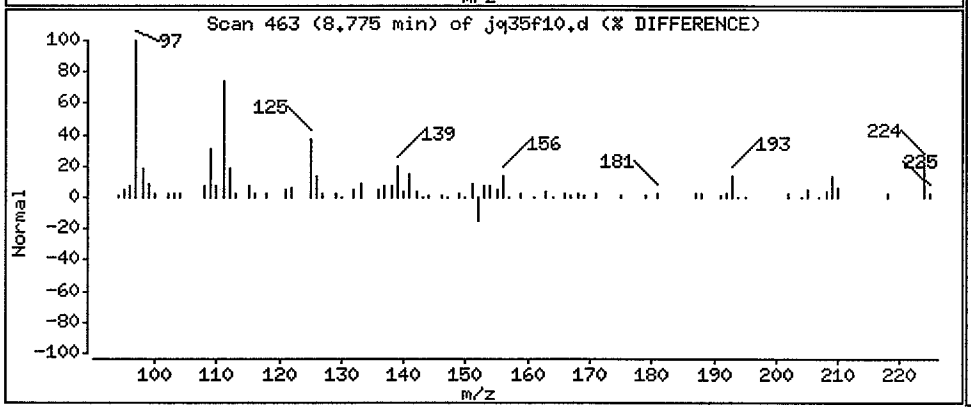
7 Acenaphthylene

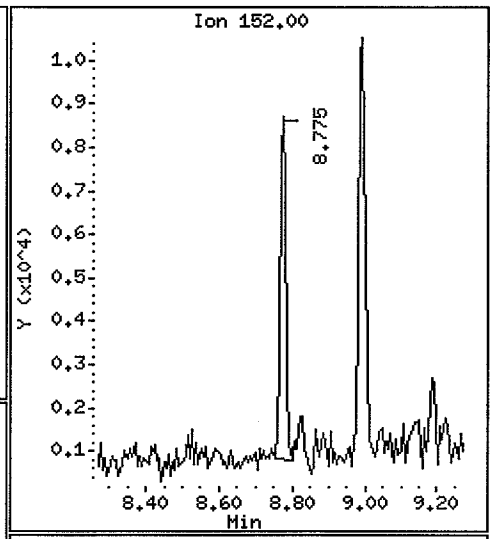
Concentration: 38.41 ug/kg

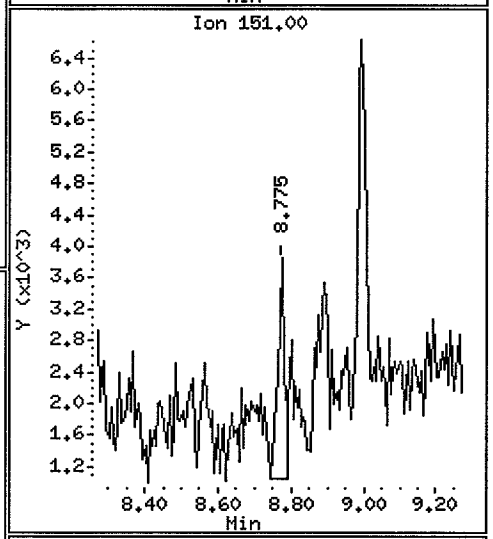


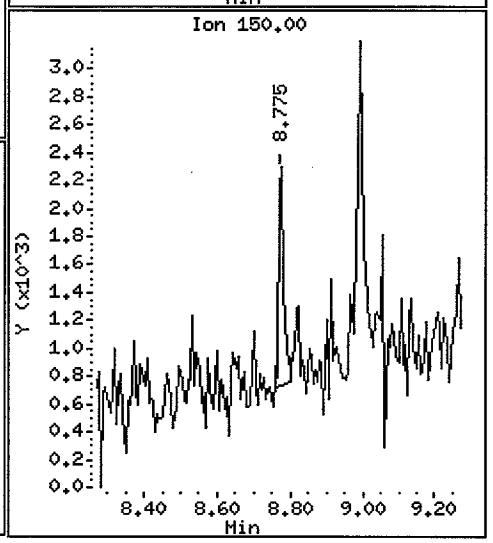












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

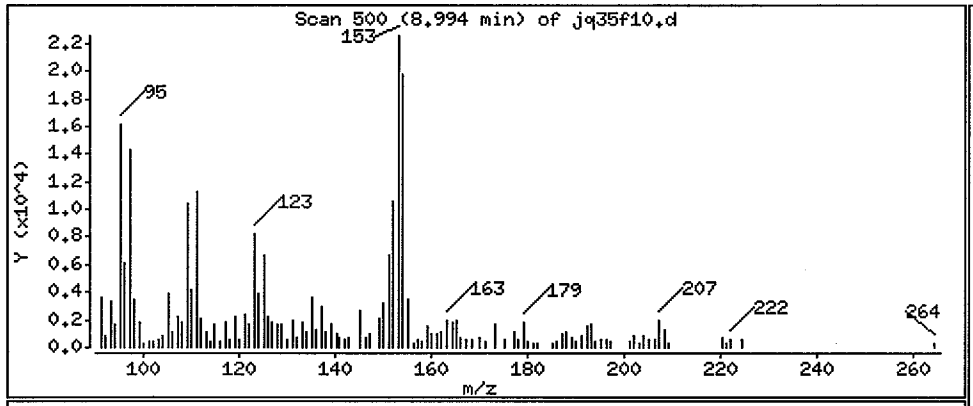
Operator: VTS

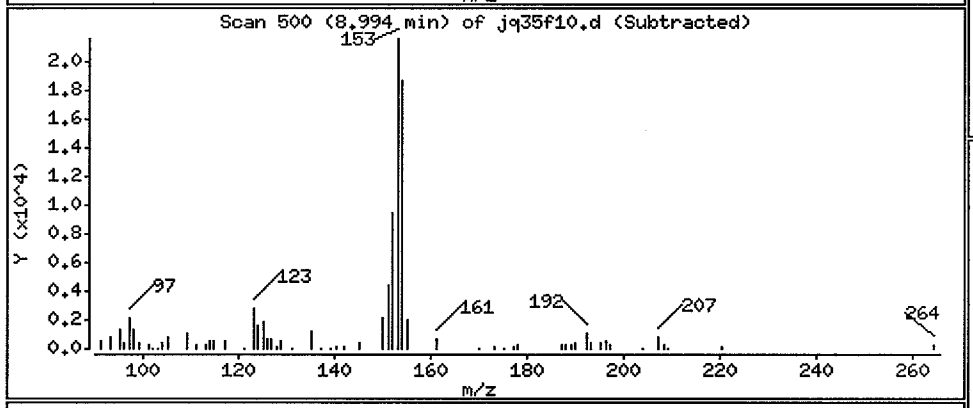
Column phase: ZB-5

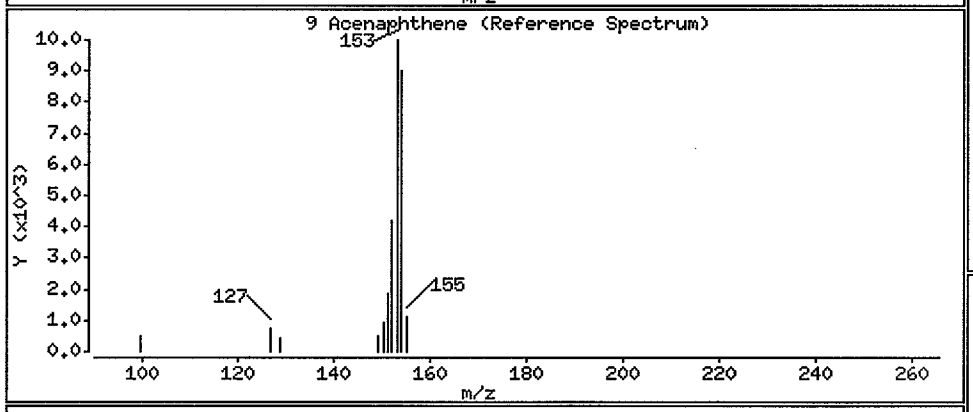
Column diameter: 0.25

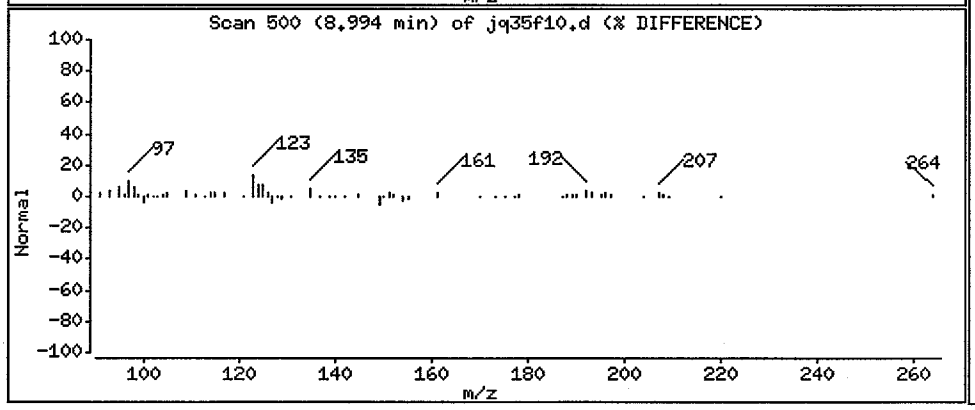
9 Acenaphthene

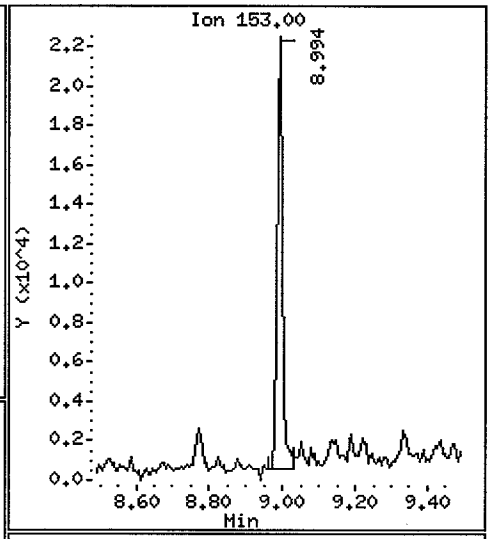
Concentration: 167.7 ug/kg

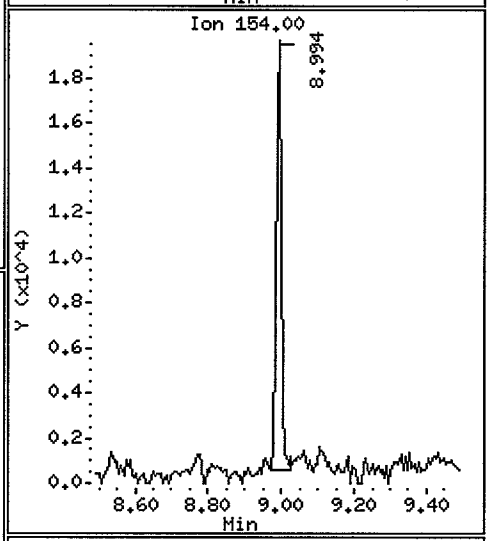


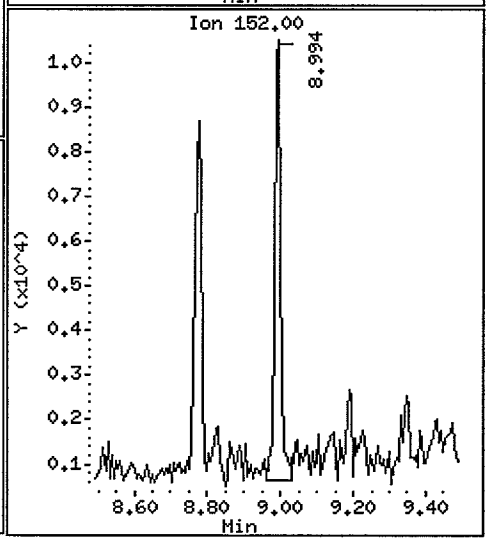












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

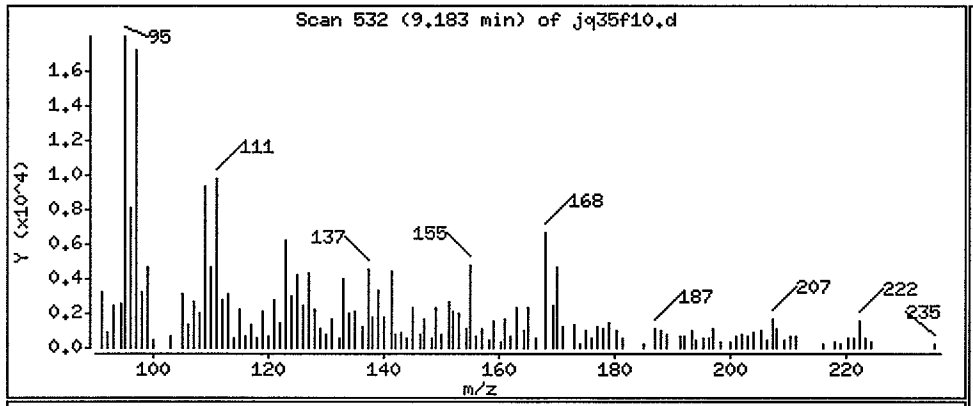
Operator: VTS

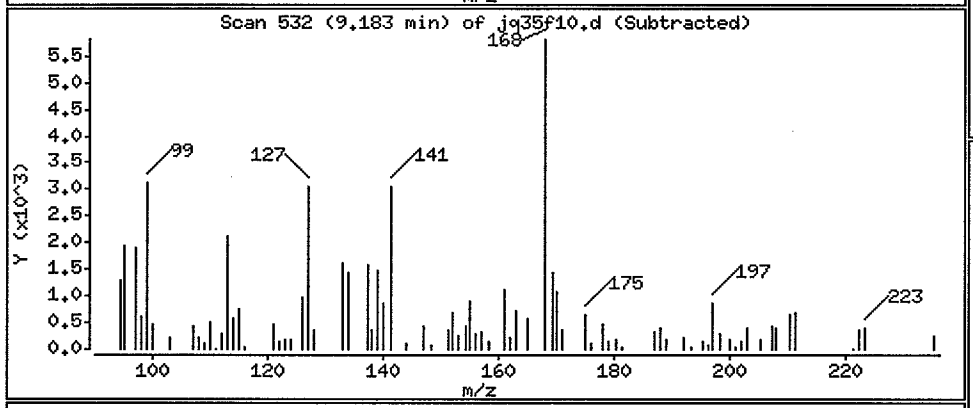
Column phase: ZB-5

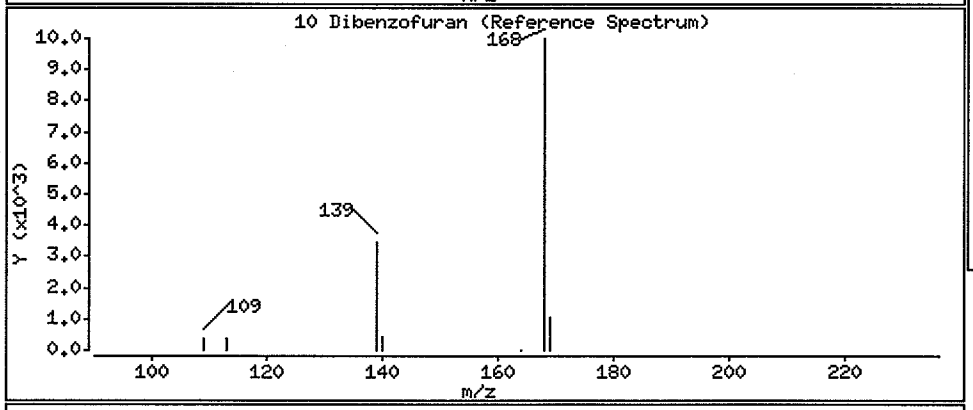
Column diameter: 0.25

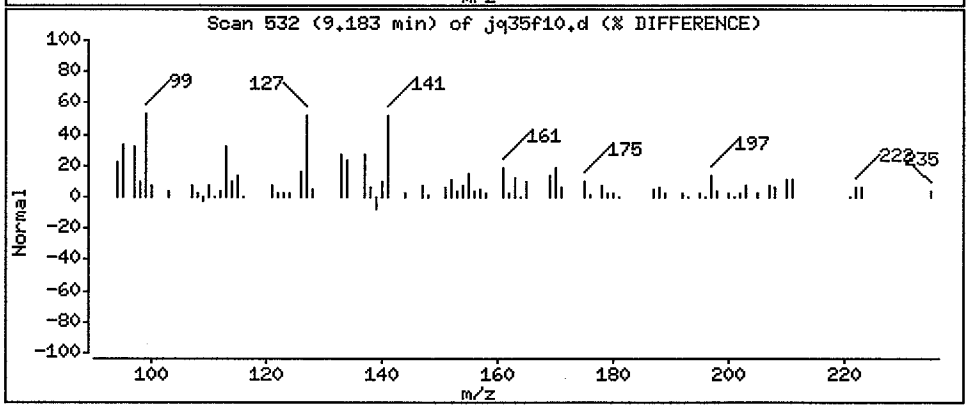
10 Dibenzofuran

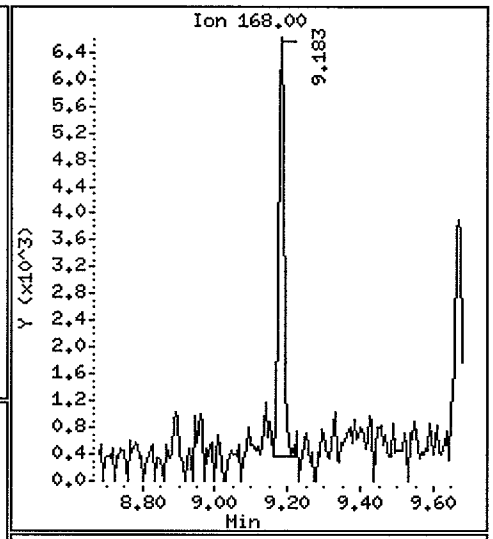
Concentration: 34.94 ug/kg

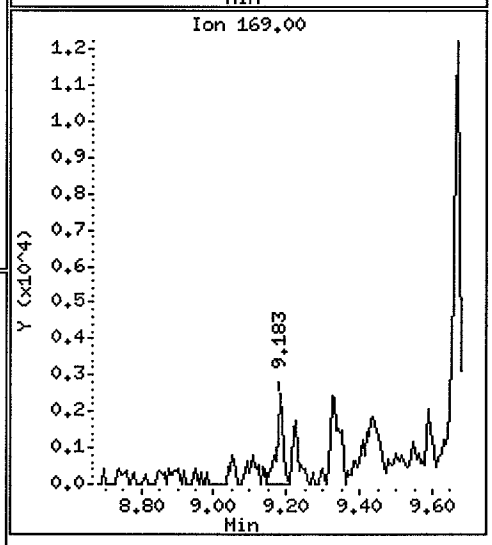












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

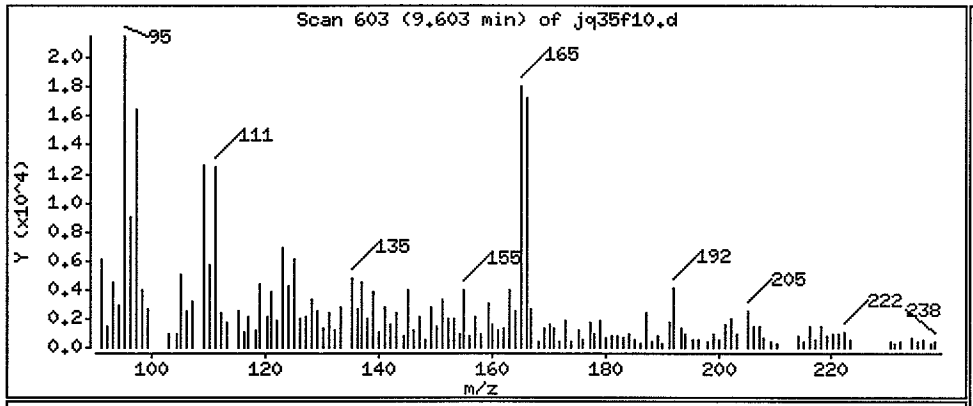
Operator: VTS

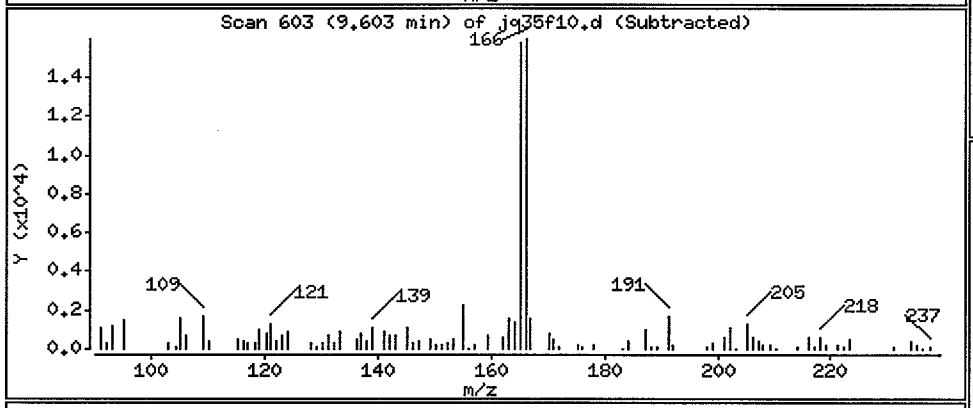
Column phase: ZB-5

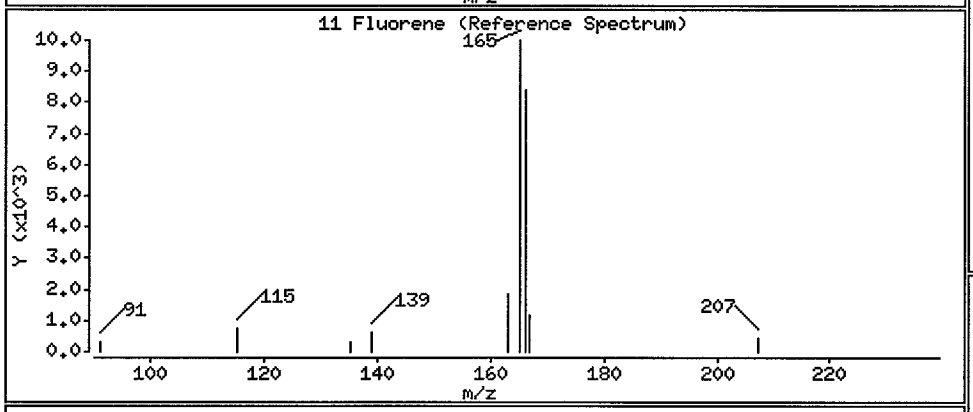
Column diameter: 0.25

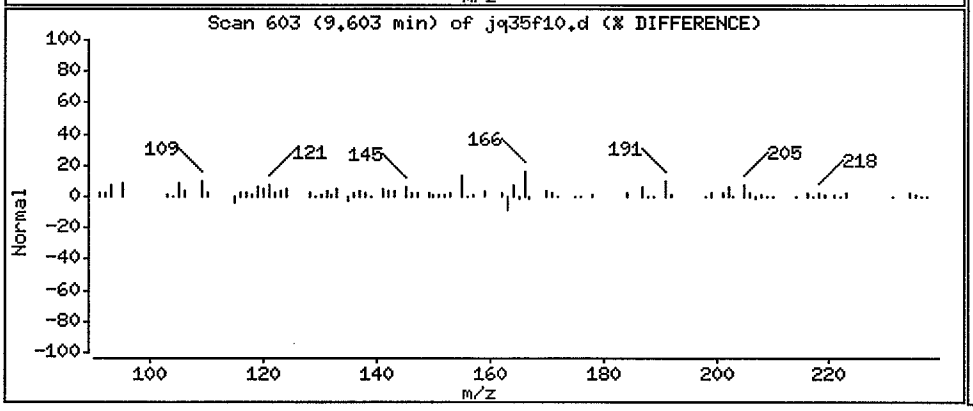
11 Fluorene

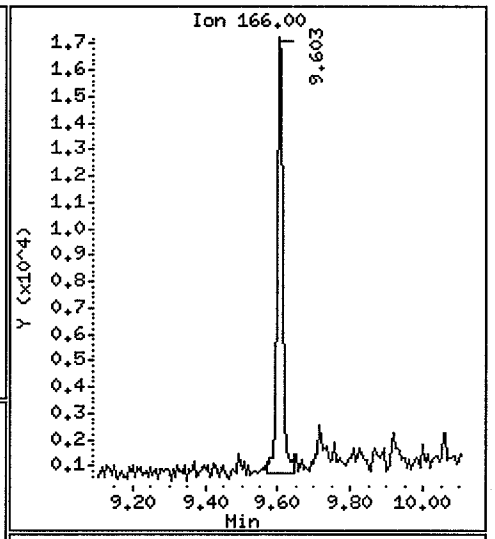
Concentration: 119.6 ug/kg

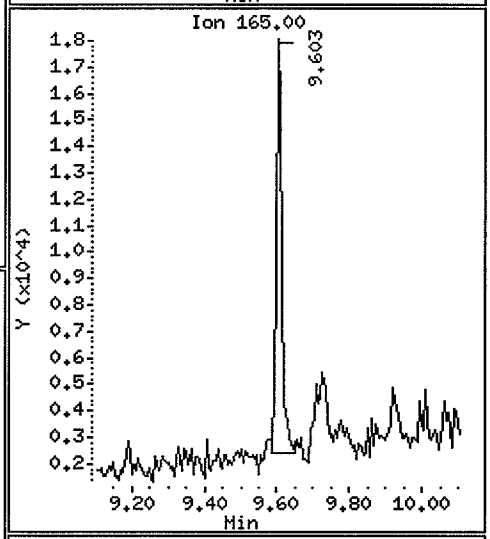


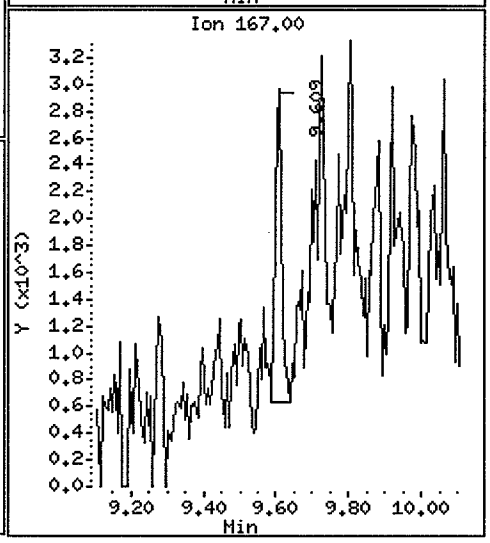












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

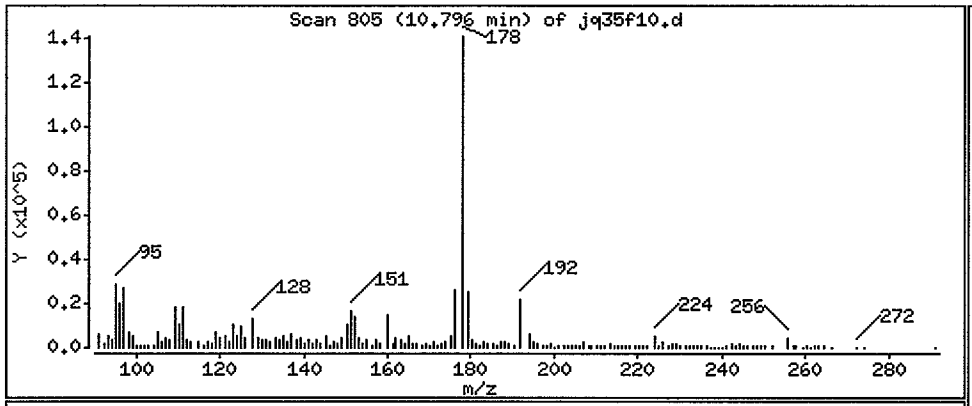
Operator: VTS

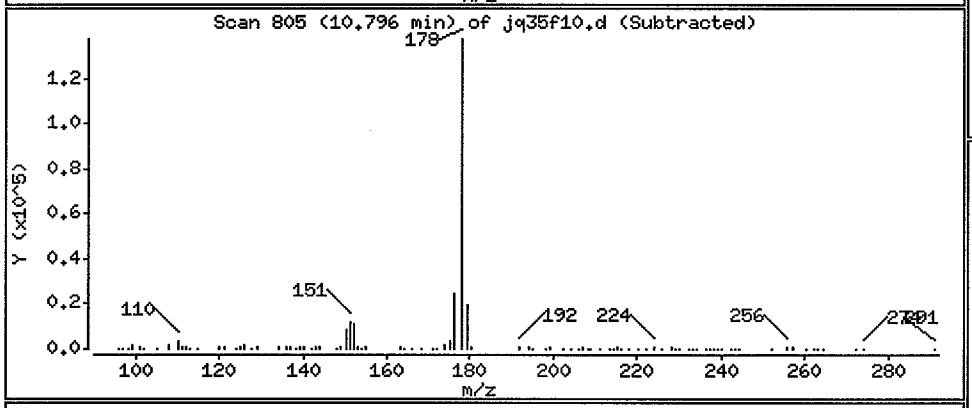
Column phase: ZB-5

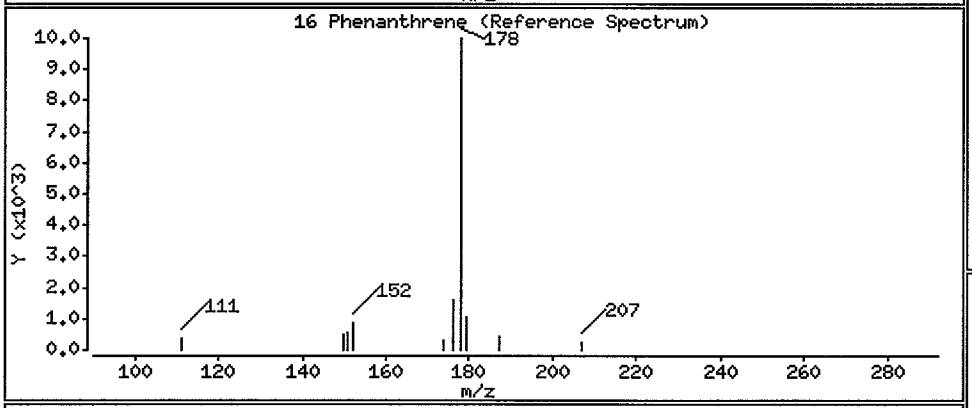
Column diameter: 0.25

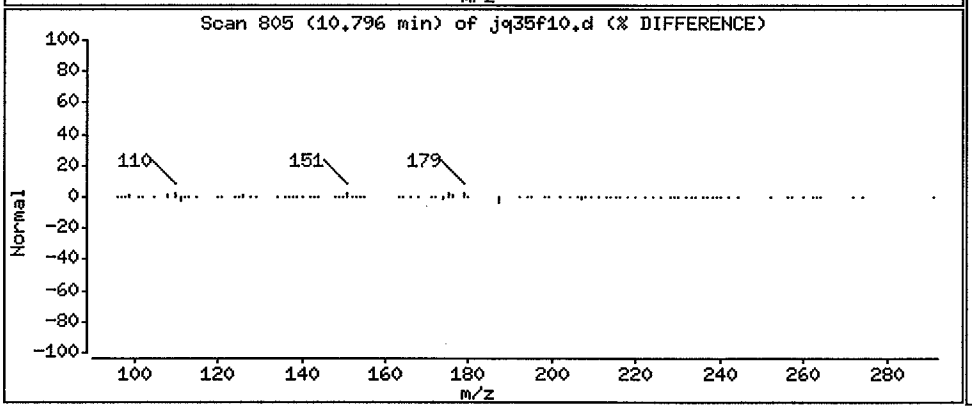
16 Phenanthrene

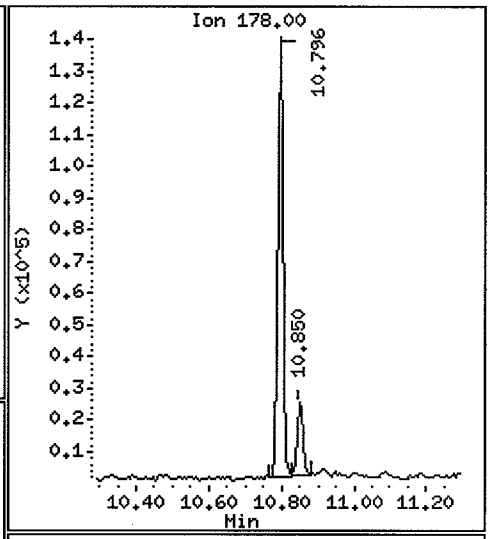
Concentration: 616.2 ug/kg

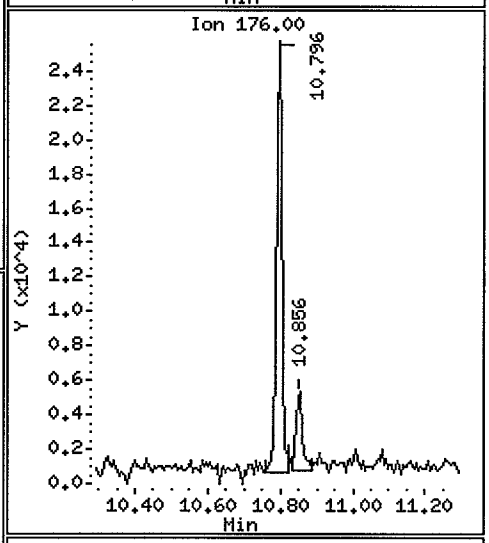


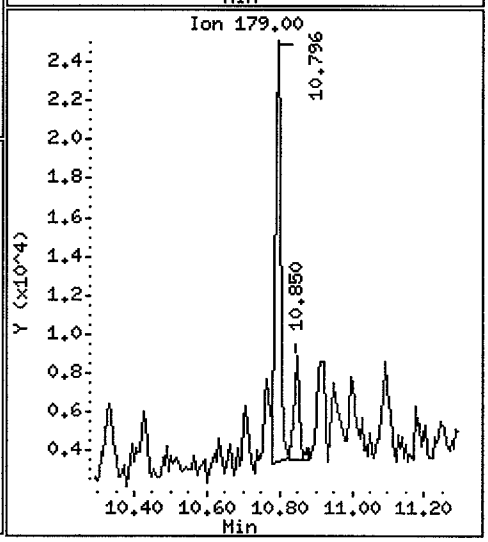












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

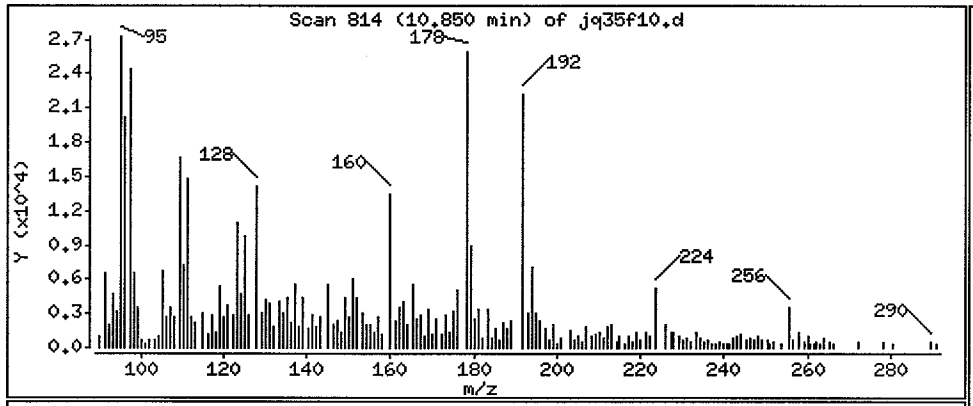
Operator: VTS

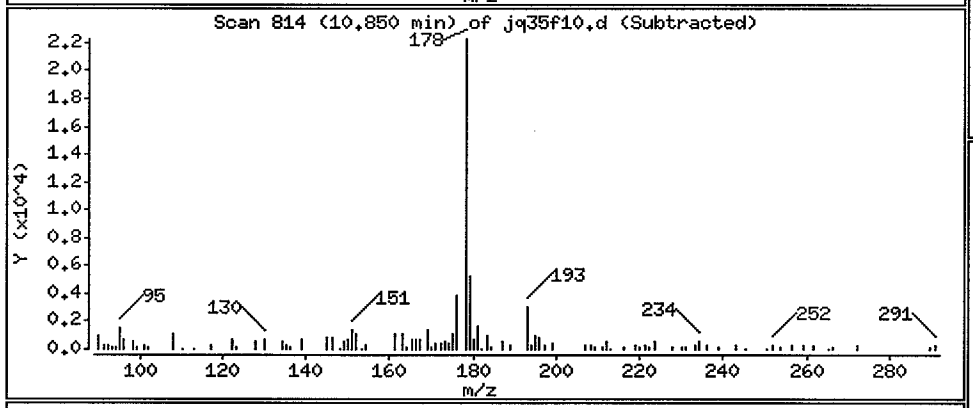
Column phase: ZB-5

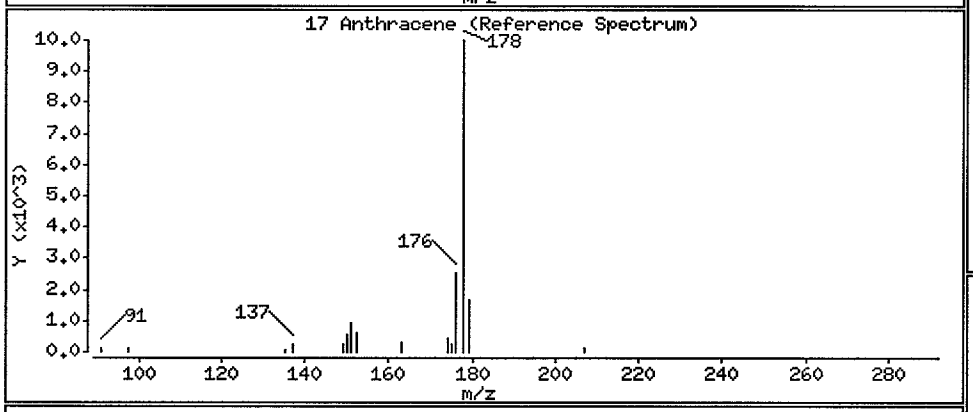
Column diameter: 0.25

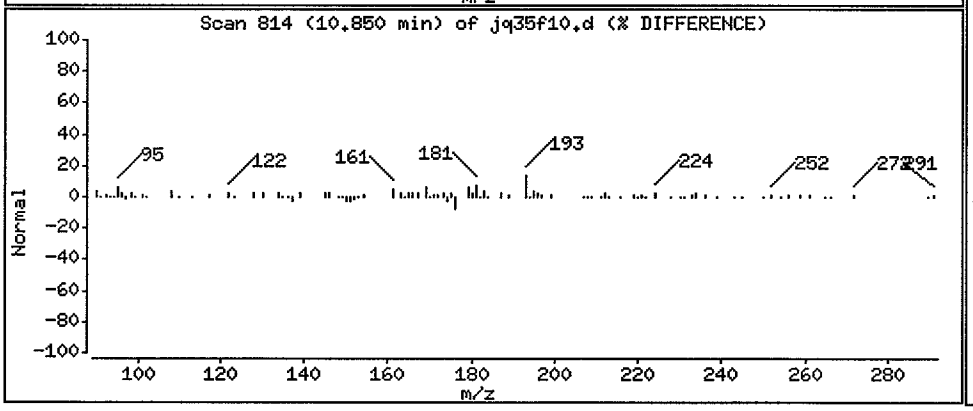
17 Anthracene

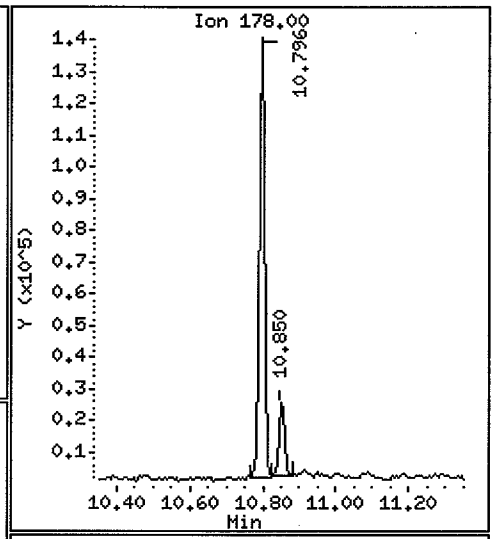
Concentration: 109.2 ug/kg

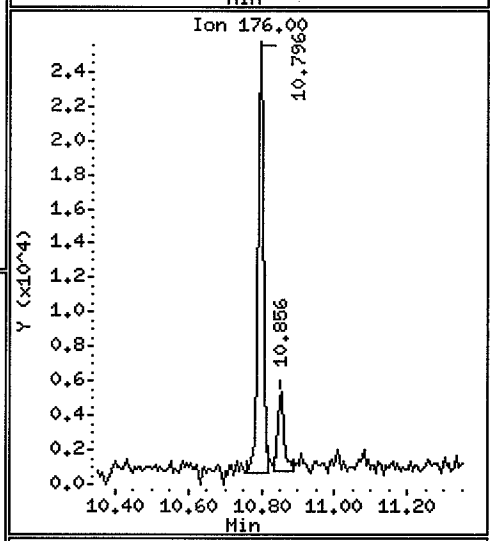


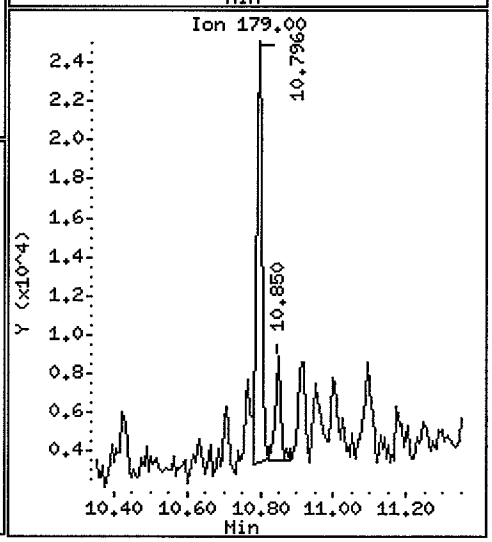












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

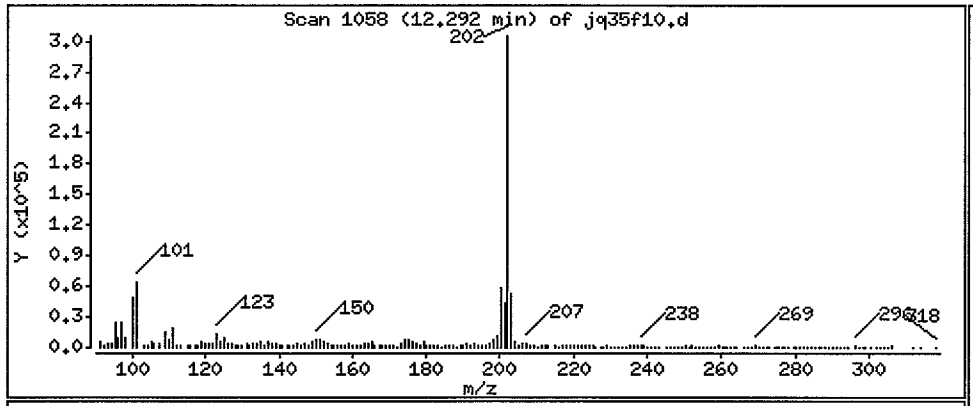
Operator: VTS

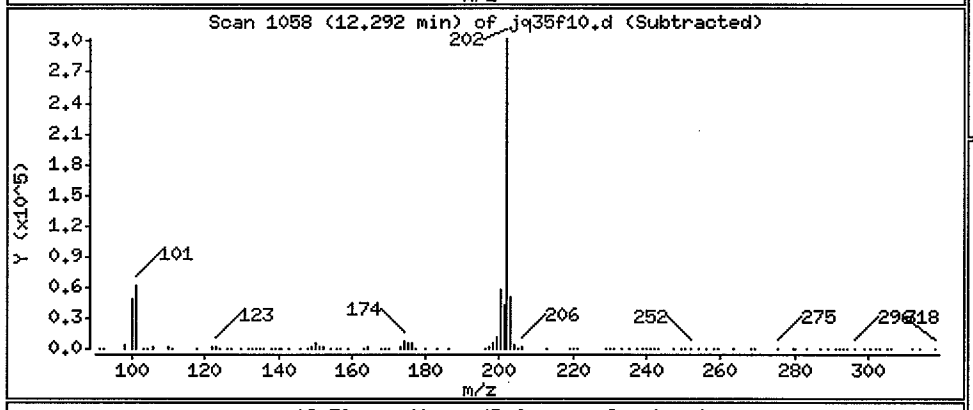
Column phase: ZB-5

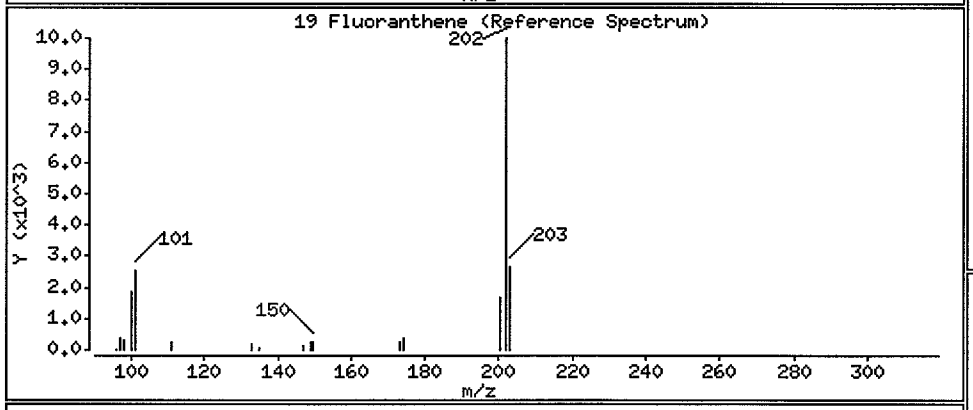
Column diameter: 0.25

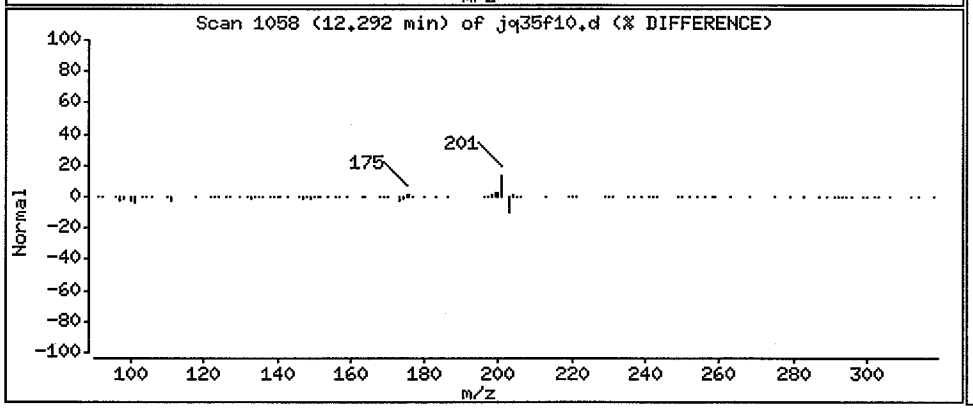
19 Fluoranthene

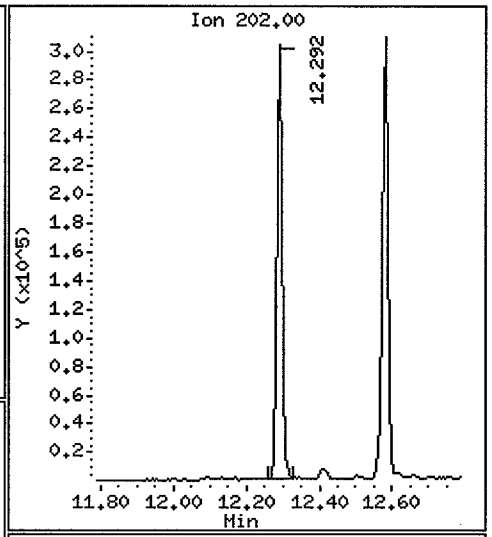
Concentration: 1280 ug/kg

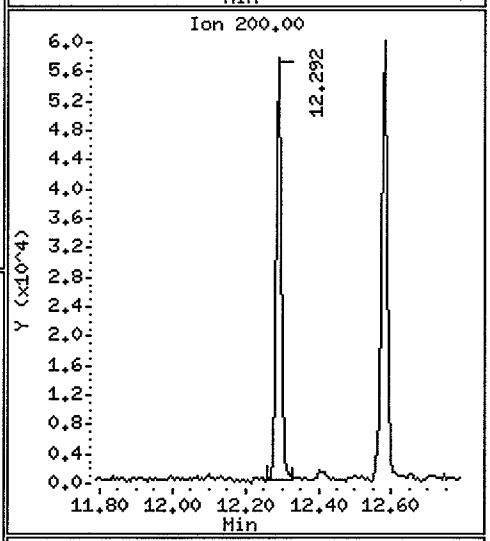


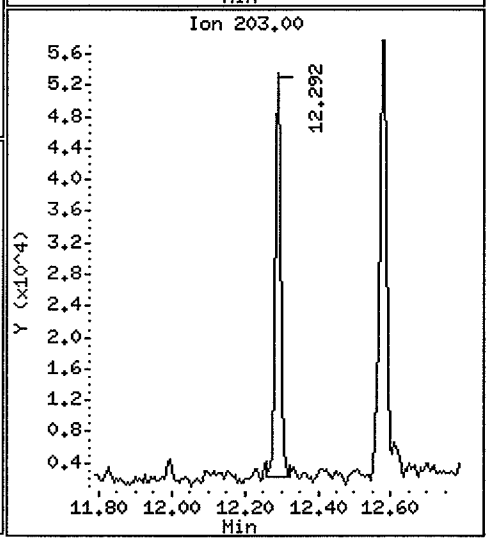












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

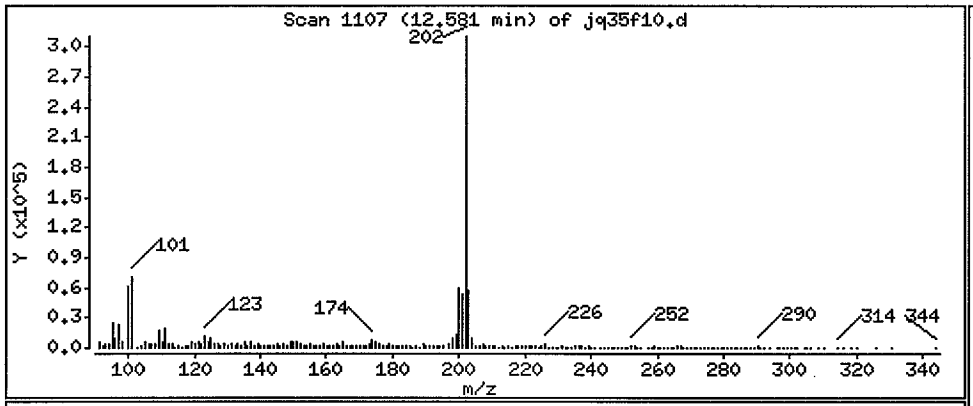
Operator: VTS

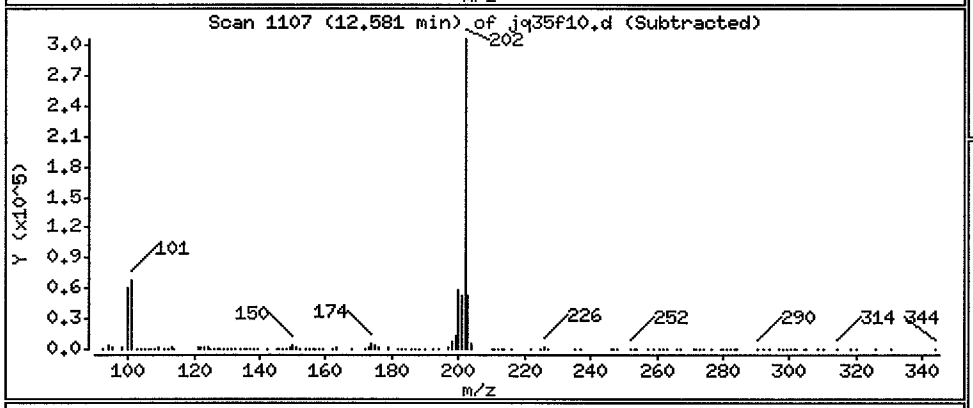
Column phase: ZB-5

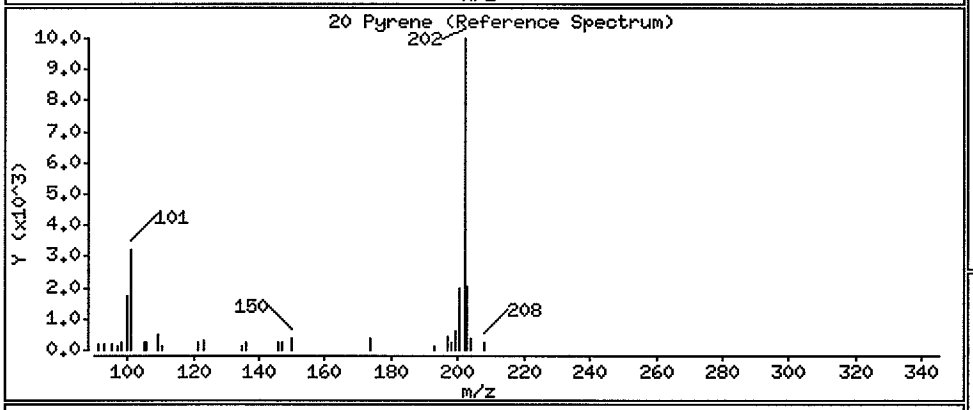
Column diameter: 0.25

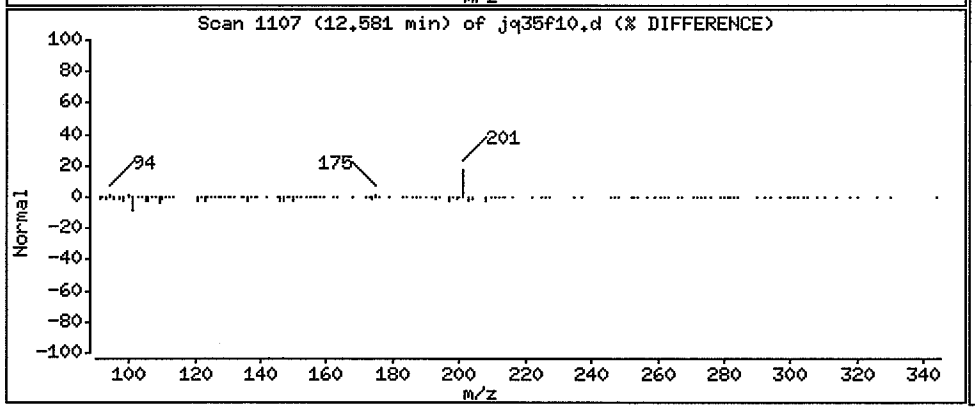
20 Pyrene

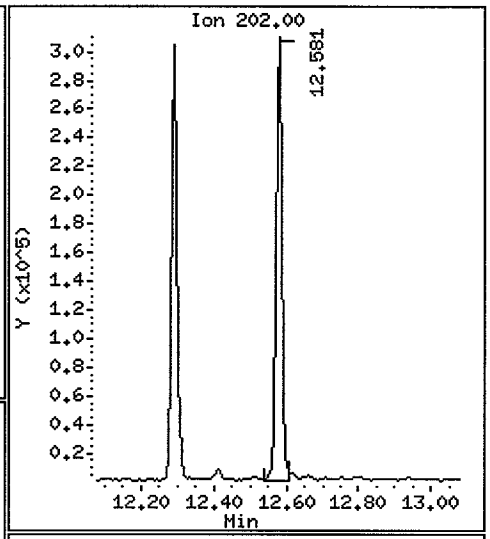
Concentration: 1319 ug/kg

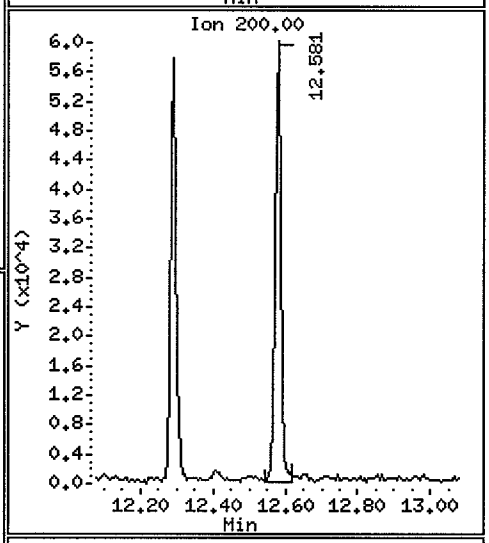


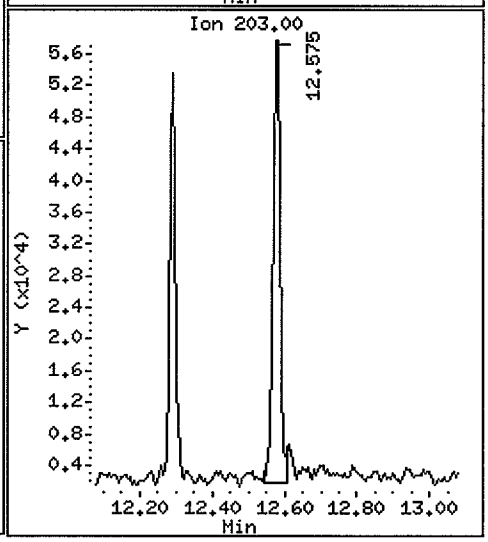












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

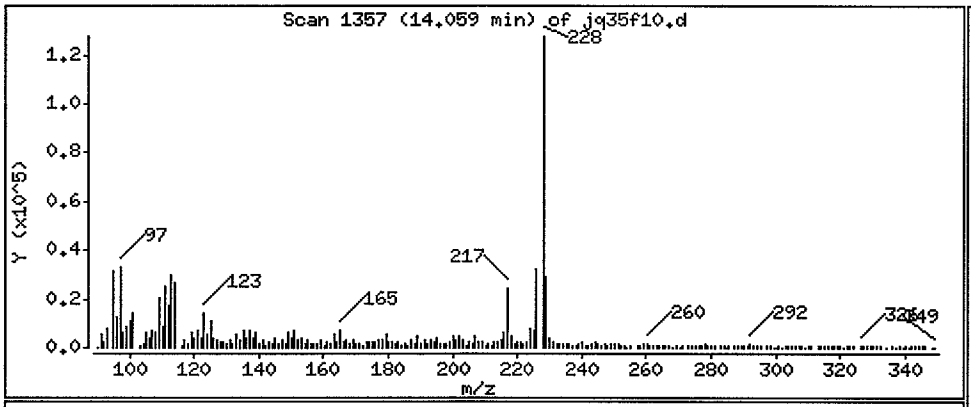
Operator: VTS

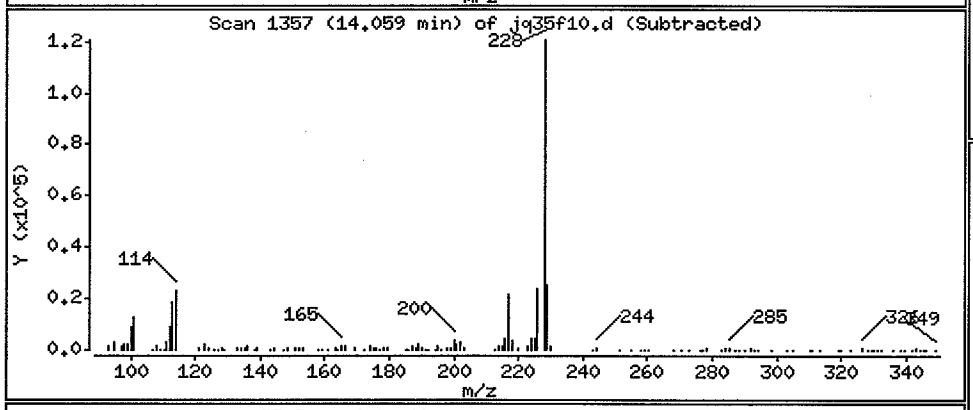
Column phase: ZB-5

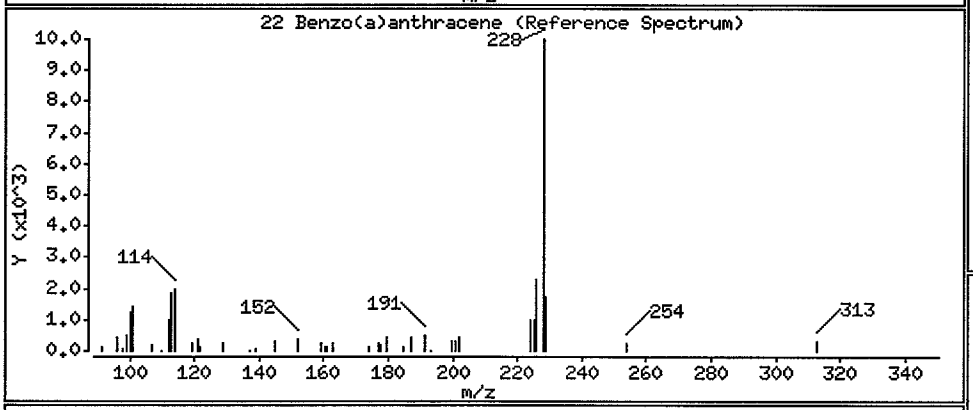
Column diameter: 0.25

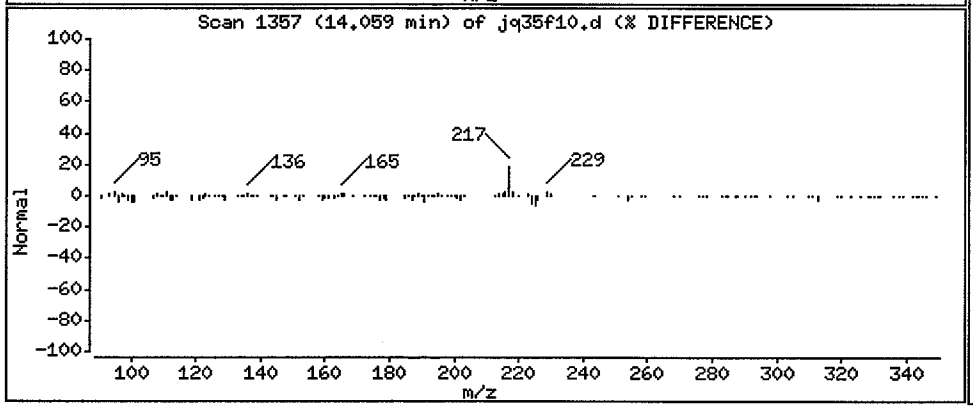
22 Benzo(a)anthracene

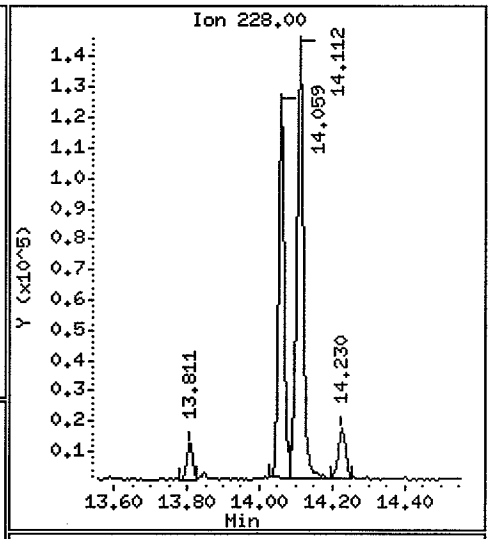
Concentration: 575.9 ug/kg

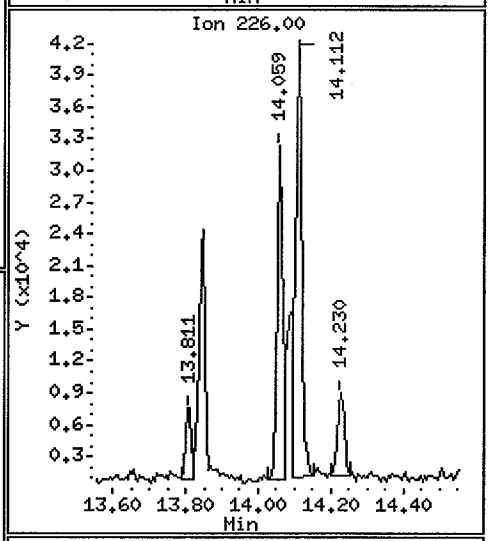


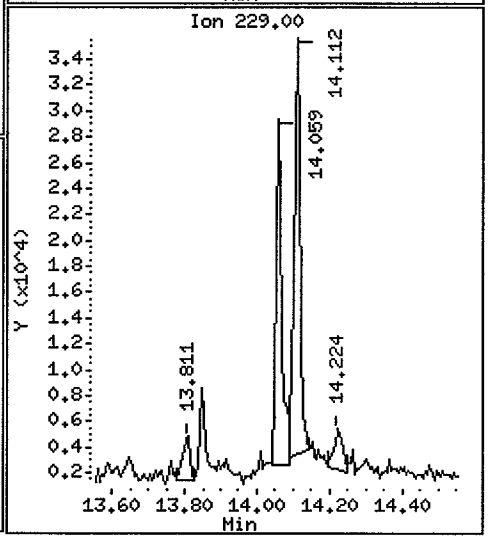












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

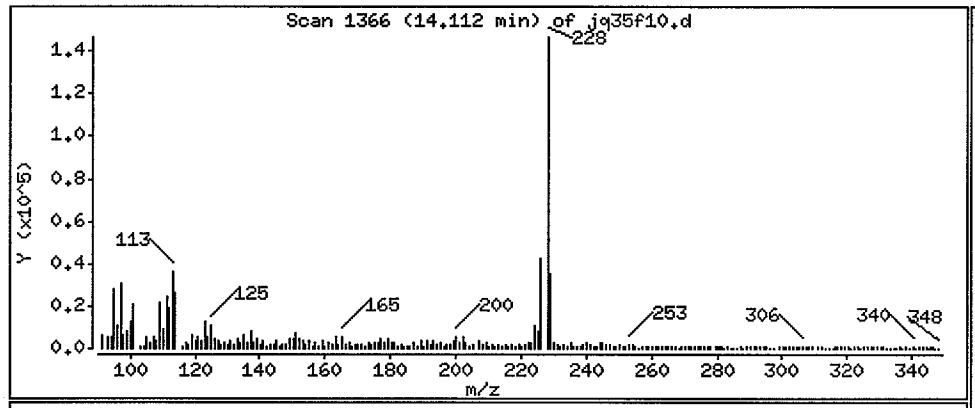
Operator: VTS

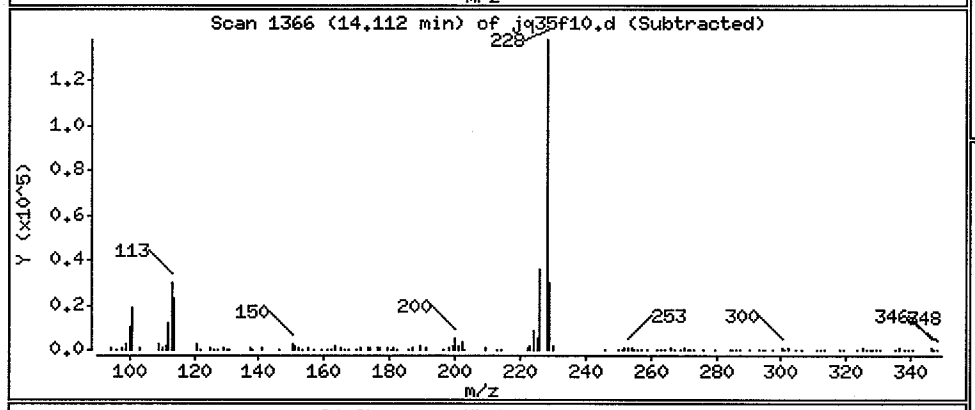
Column phase: ZB-5

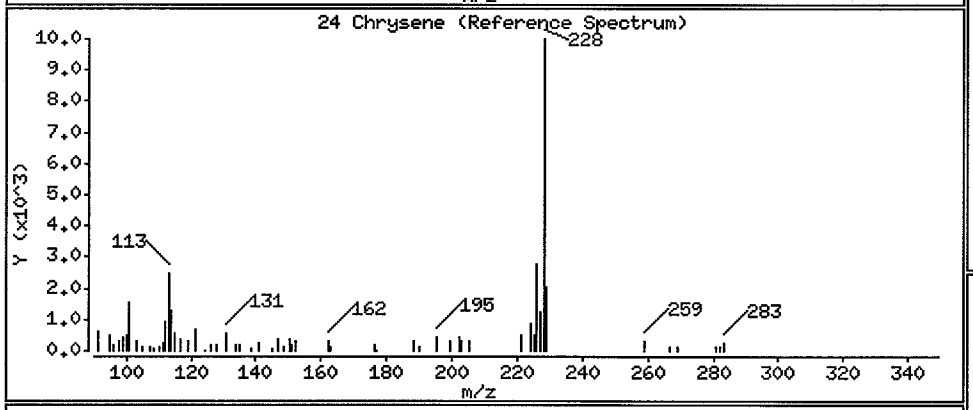
Column diameter: 0.25

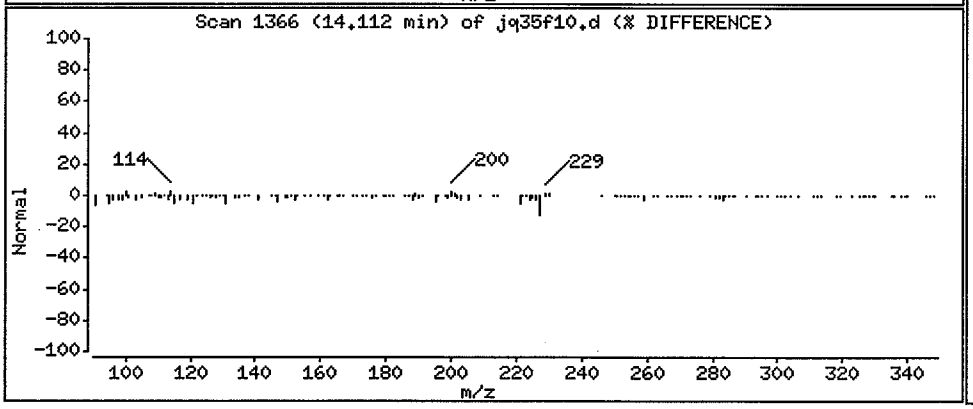
24 Chrysene

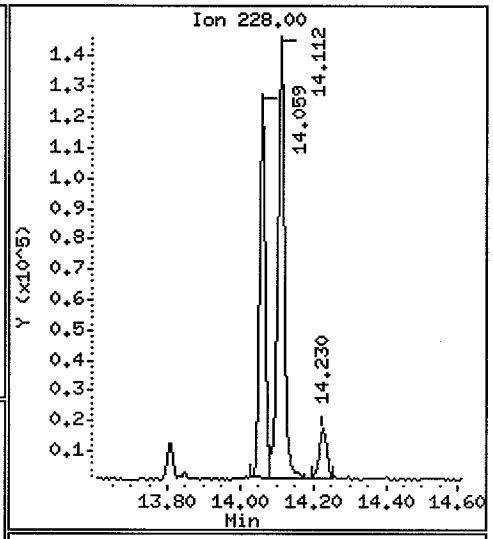
Concentration: 833.5 ug/kg

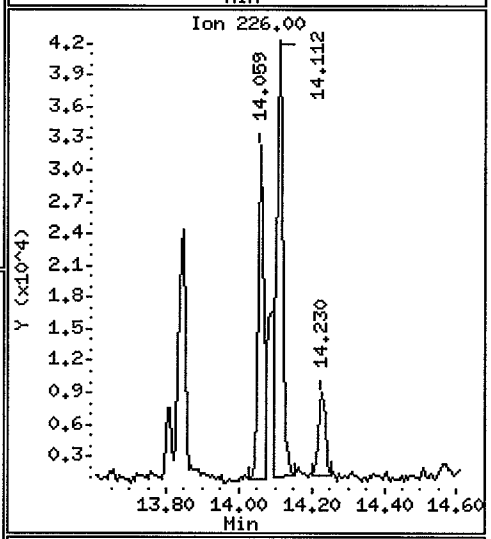


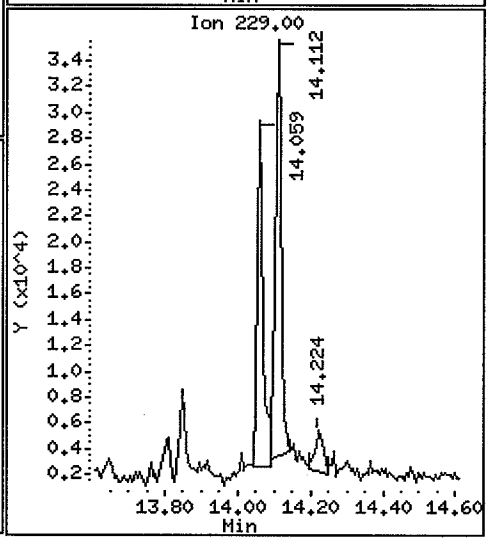












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

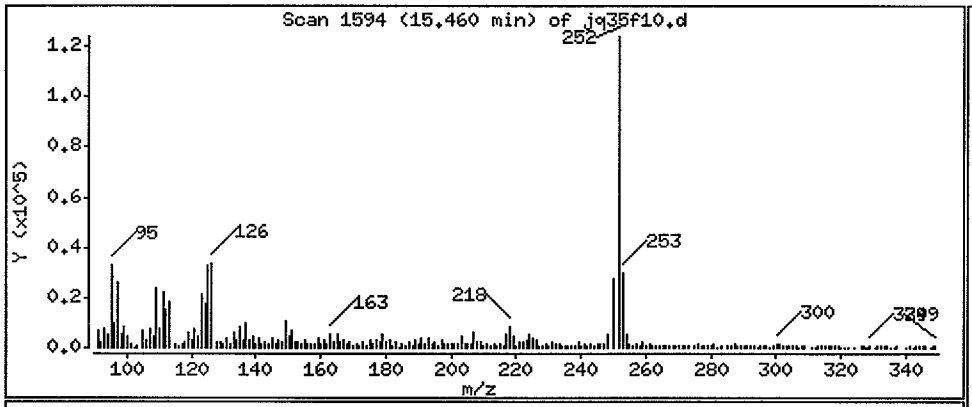
Operator: VTS

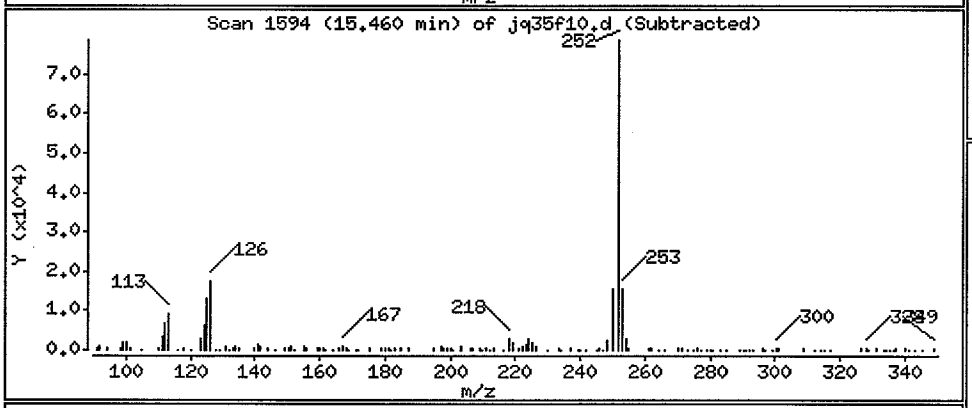
Column phase: ZB-5

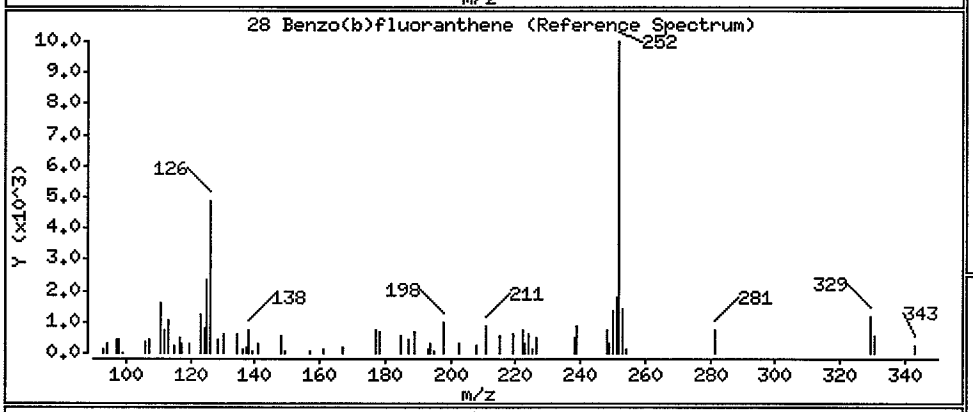
Column diameter: 0.25

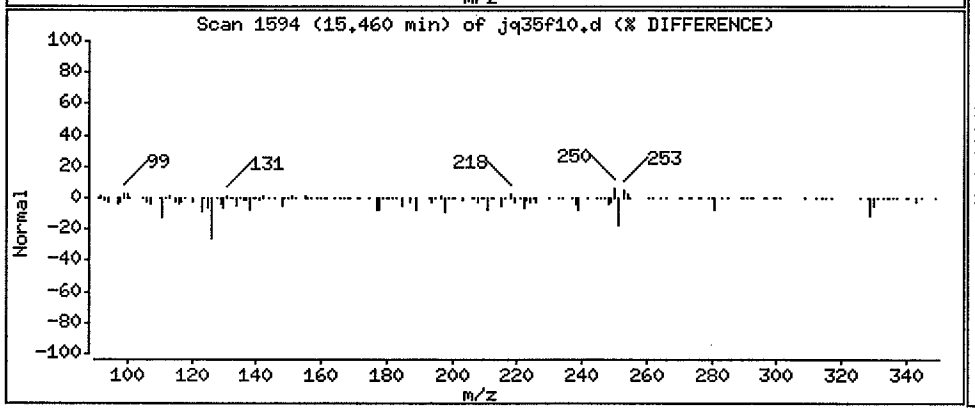
28 Benzo(b)fluoranthene

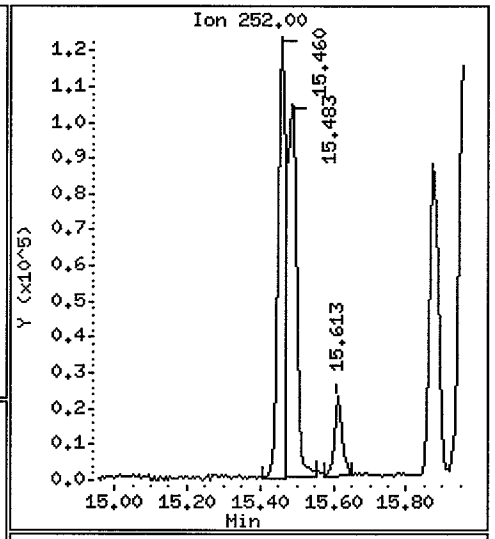
Concentration: 729.0 ug/kg

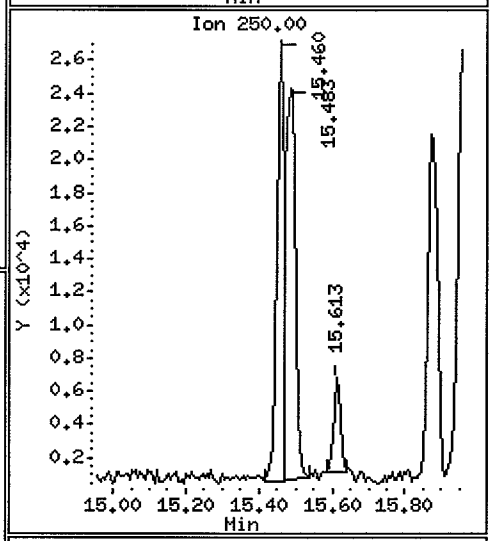


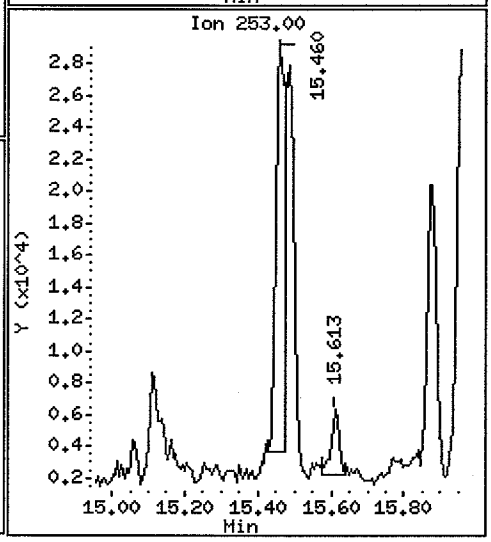












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

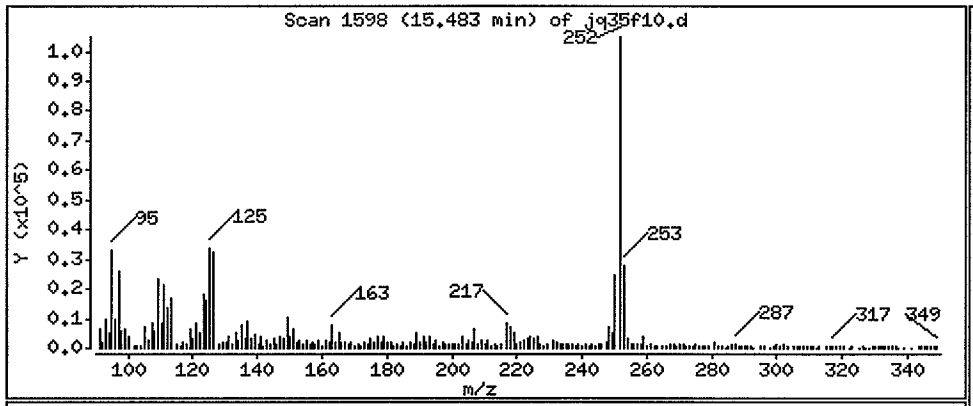
Operator: VTS

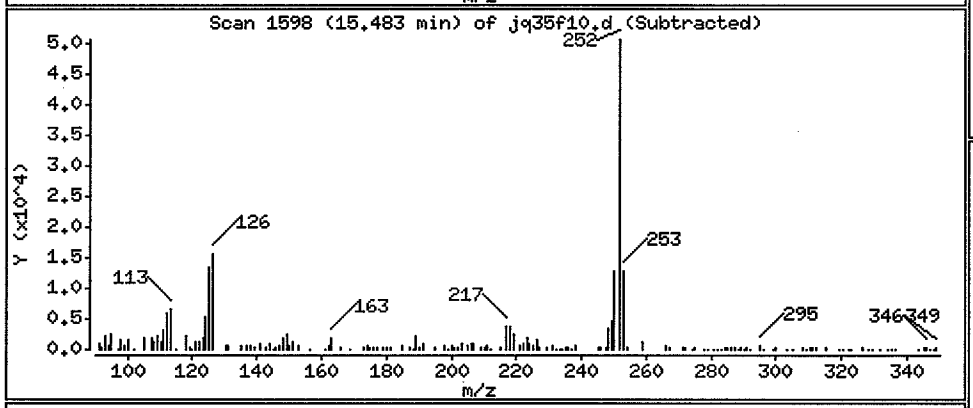
Column phase: ZB-5

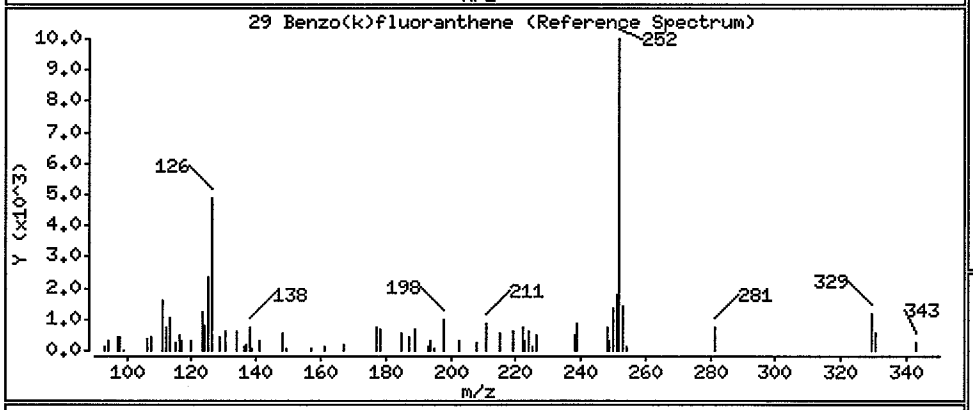
Column diameter: 0.25

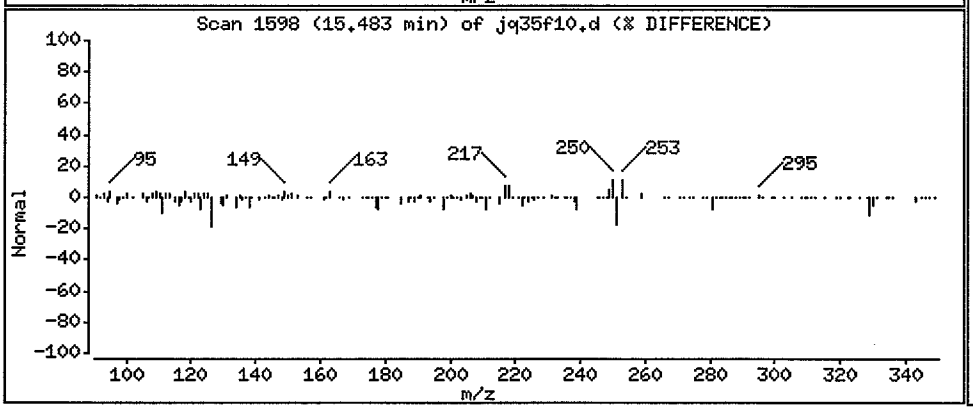
29 Benzo(k)fluoranthene

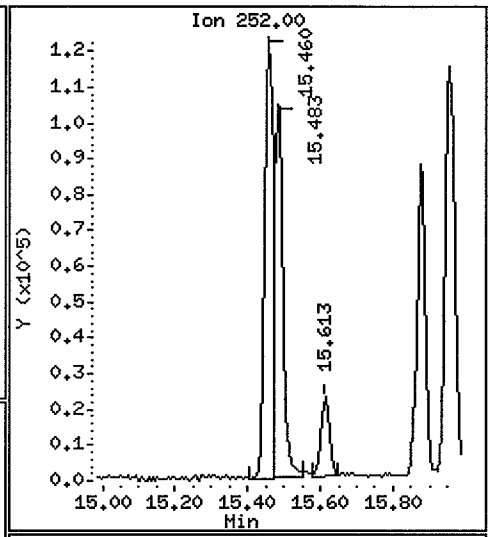
Concentration: 693.7 ug/kg

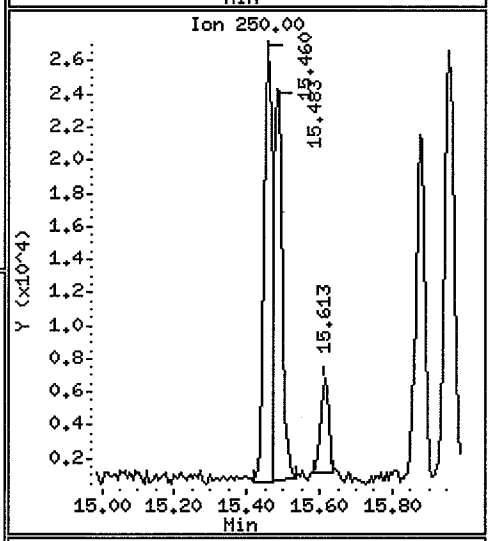


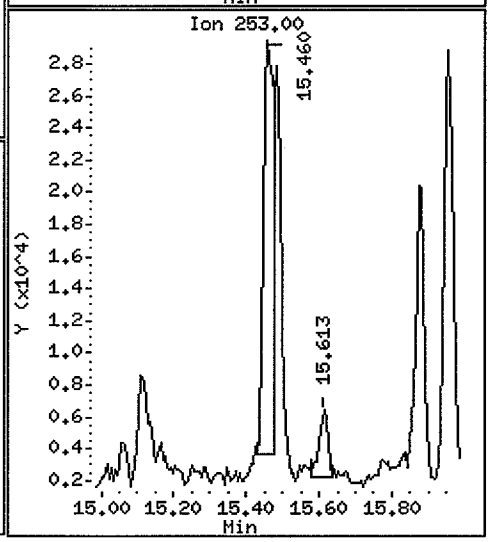












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

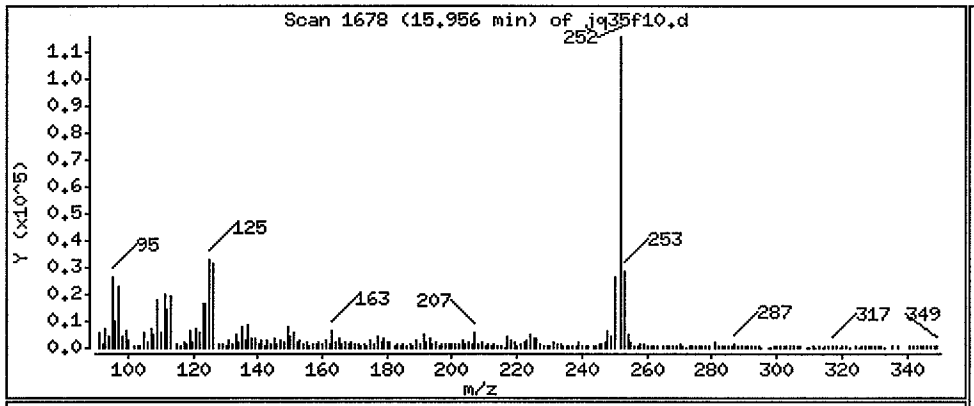
Operator: VTS

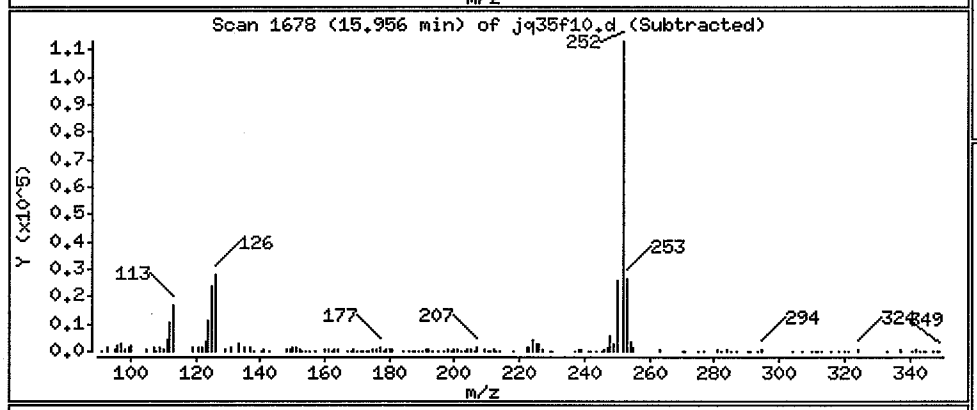
Column phase: ZB-5

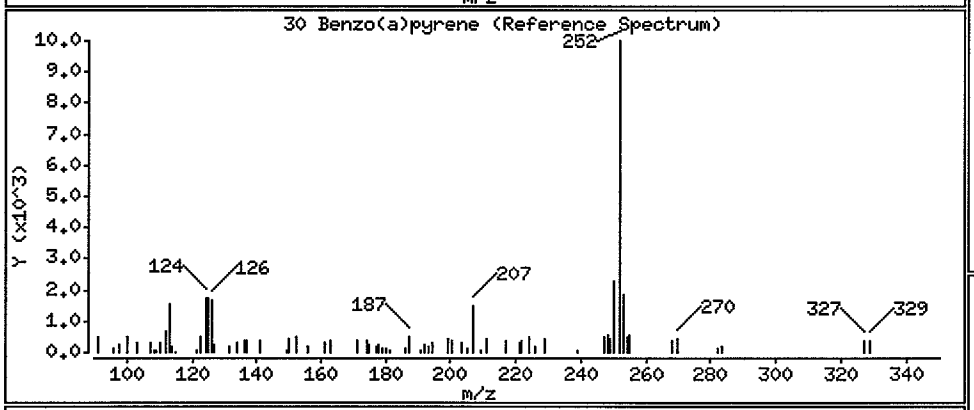
Column diameter: 0.25

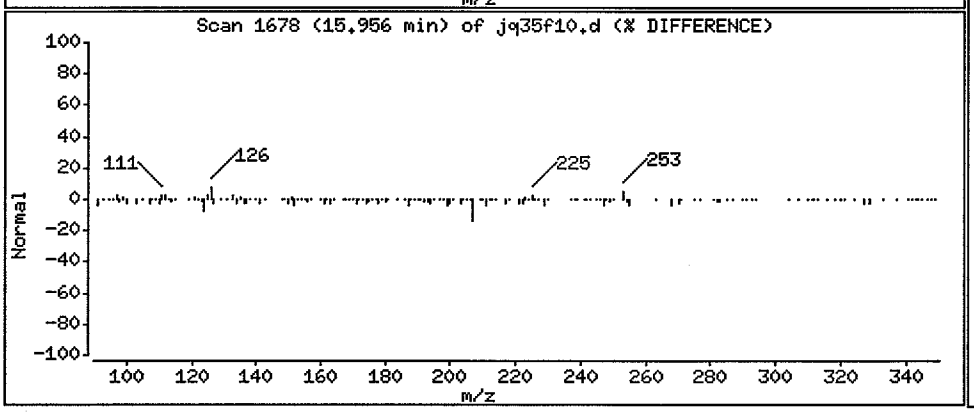
30 Benzo(a)pyrene

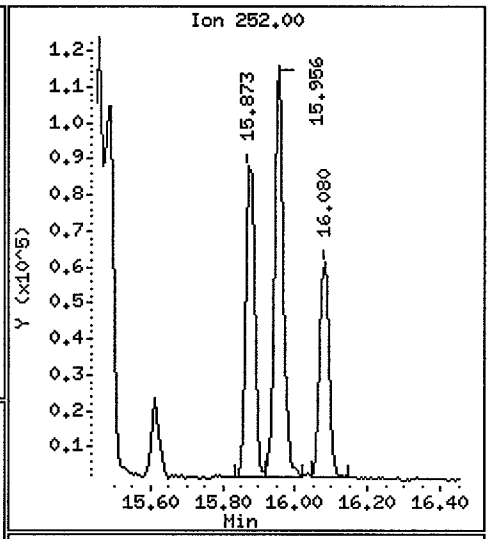
Concentration: 791.1 ug/kg

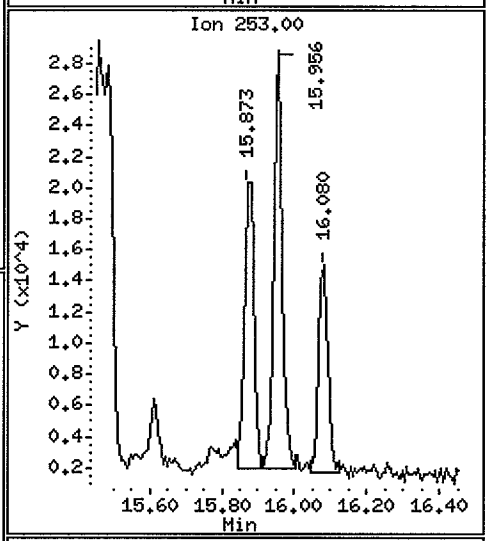


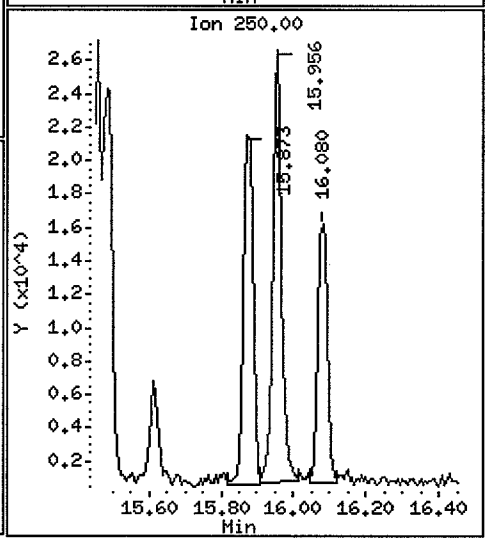












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

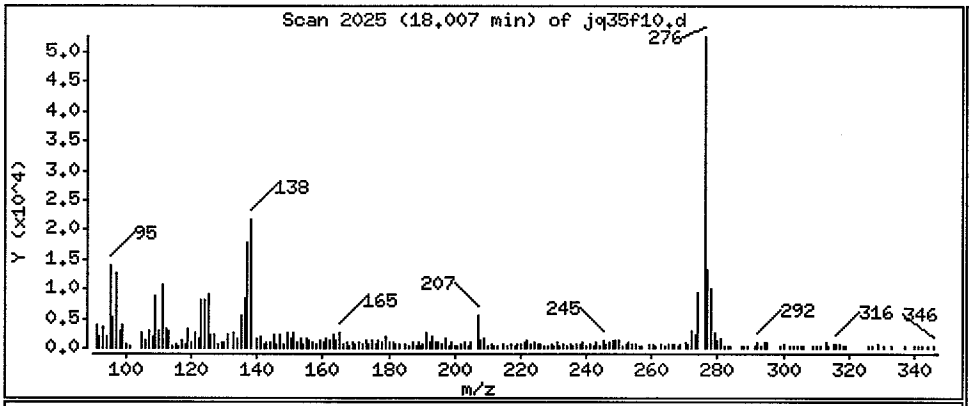
Operator: VTS

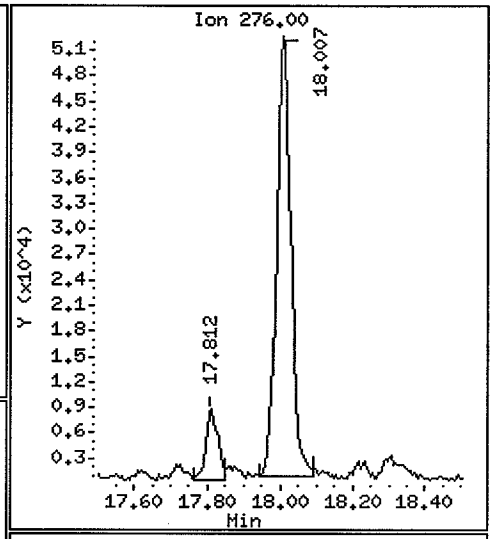
Column phase: ZB-5

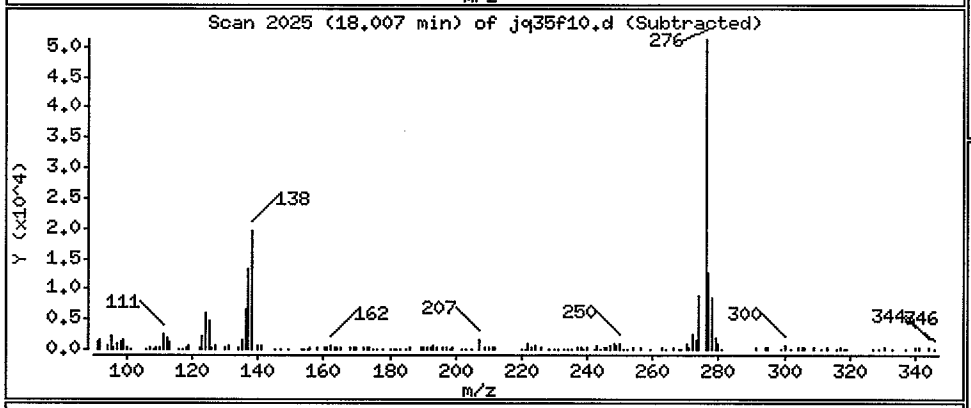
Column diameter: 0.25

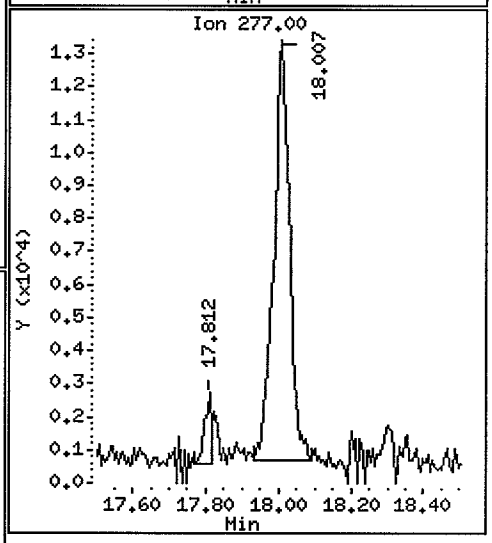
33 Indeno(1,2,3-cd)pyrene

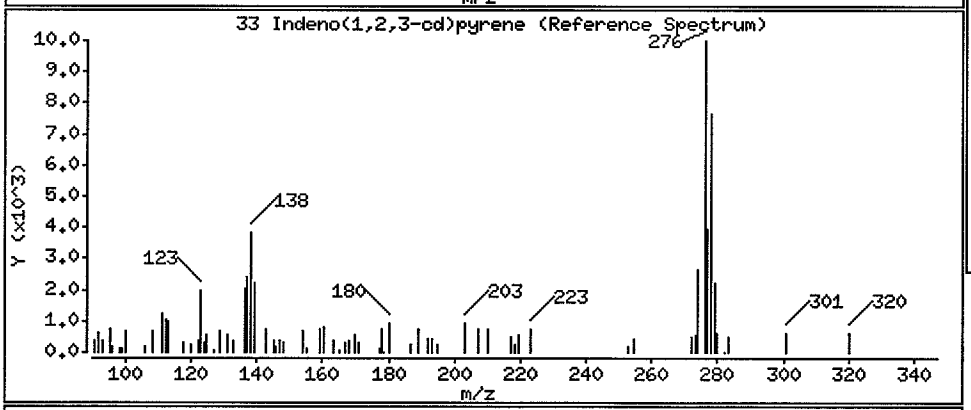
Concentration: 490.0 ug/kg

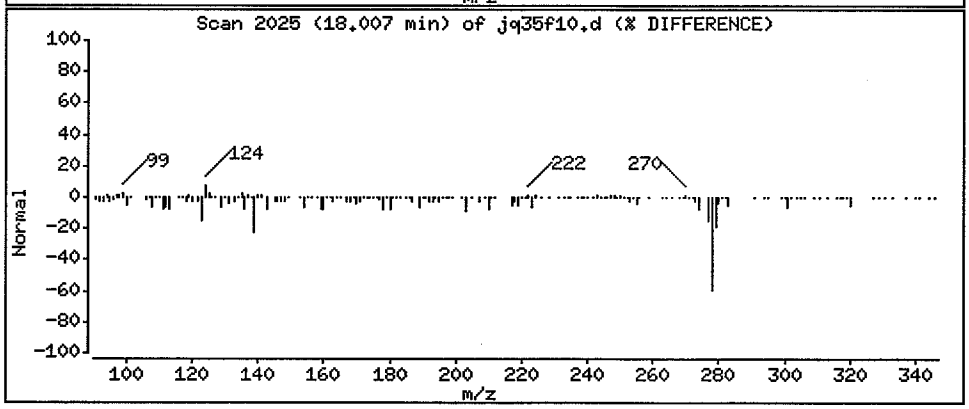












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

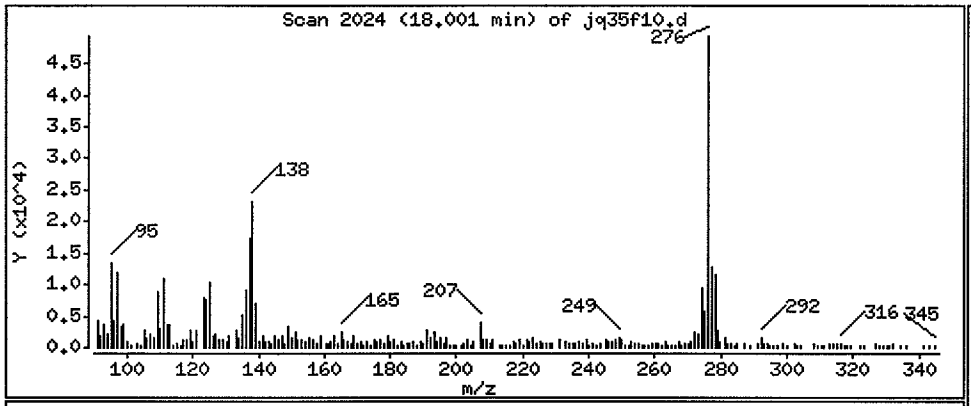
Operator: VTS

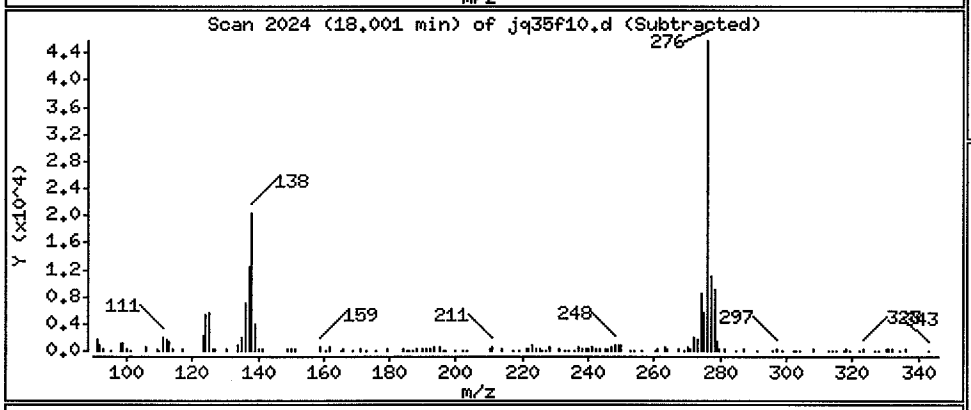
Column phase: ZB-5

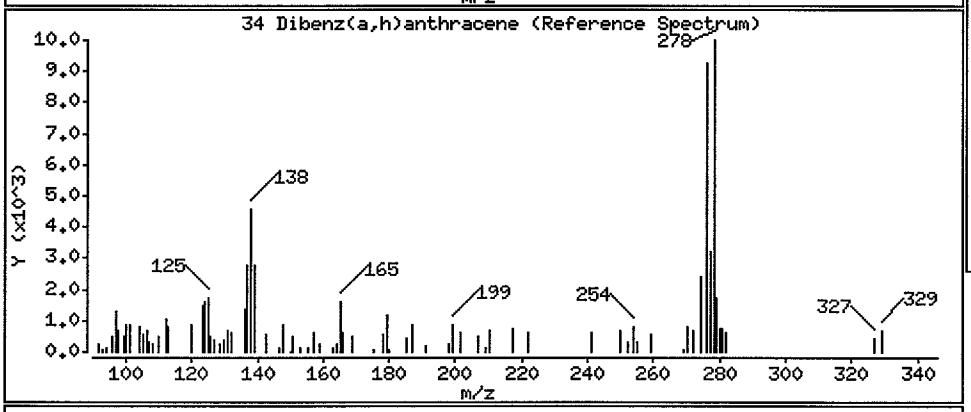
Column diameter: 0.25

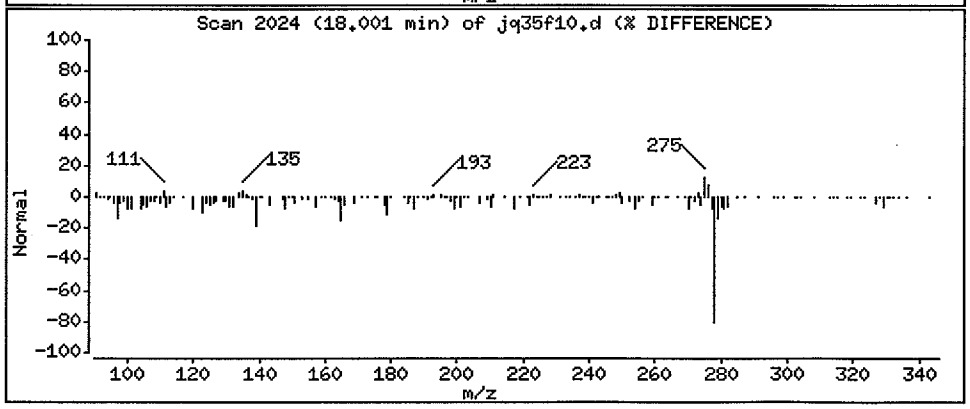
34 Dibenz(a,h)anthracene

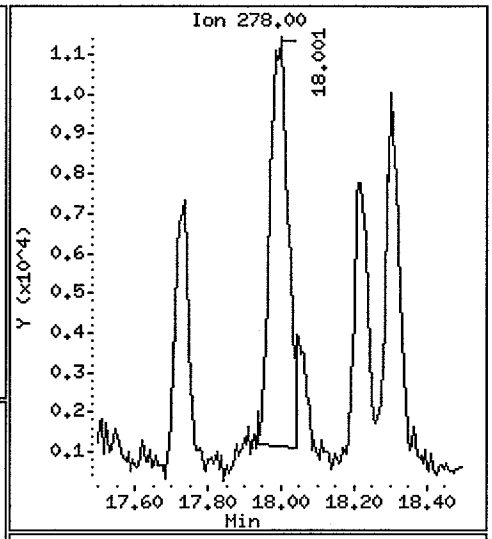
Concentration: 147.7 ug/kg

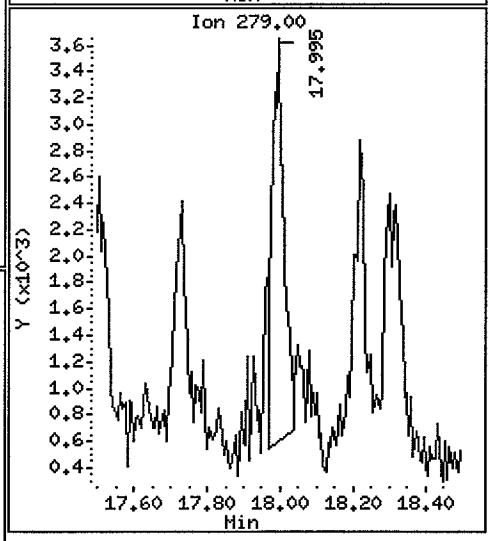












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

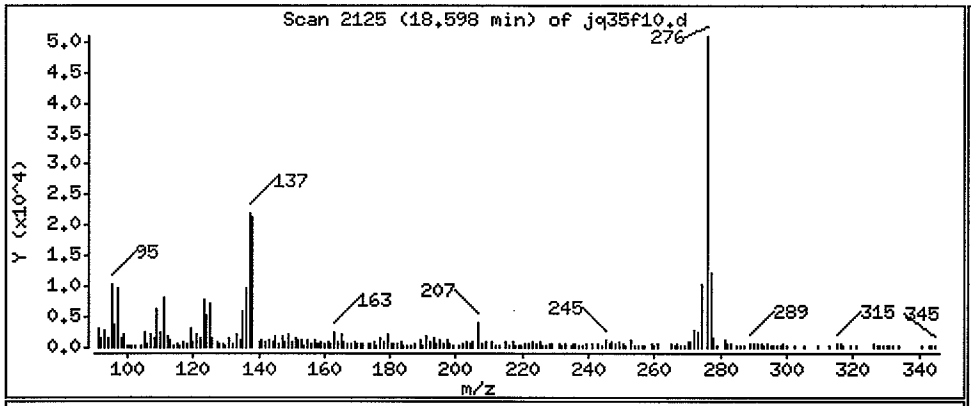
Operator: VTS

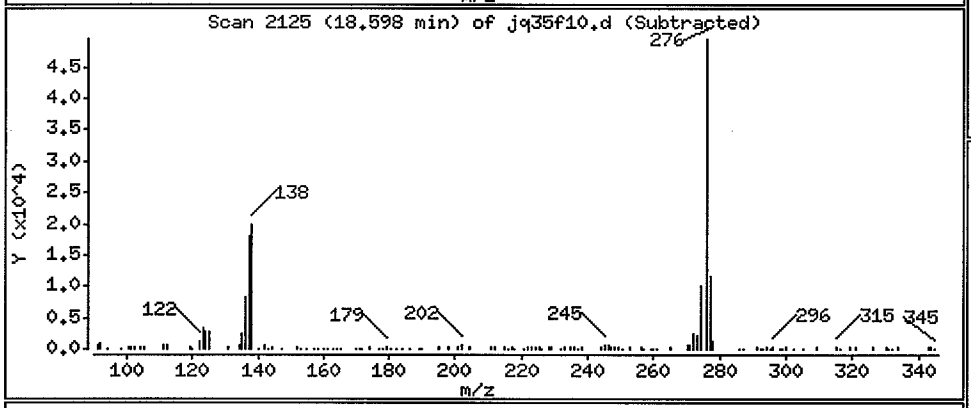
Column phase: ZB-5

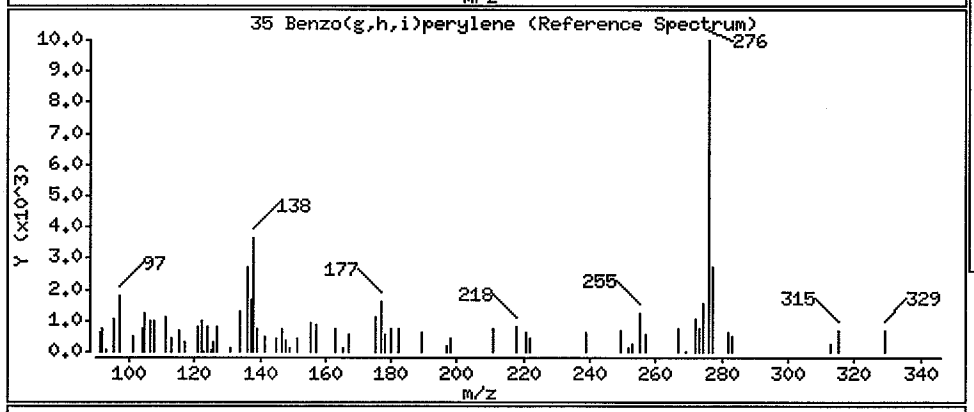
Column diameter: 0.25

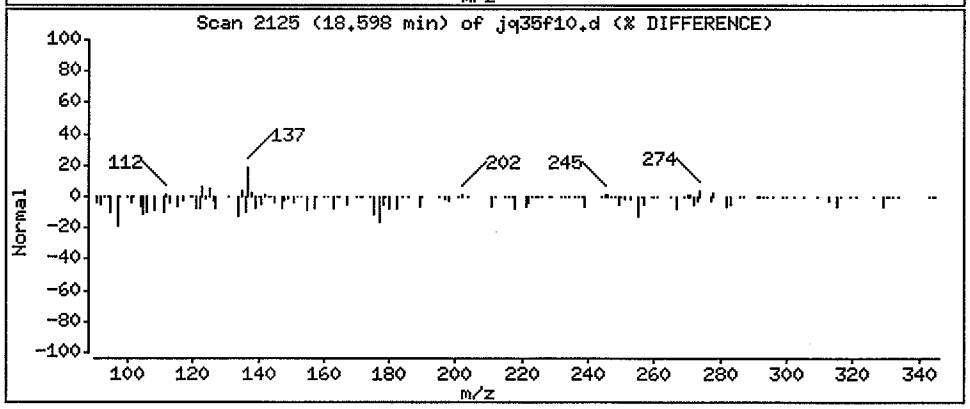
35 Benzo(g,h,i)perylene

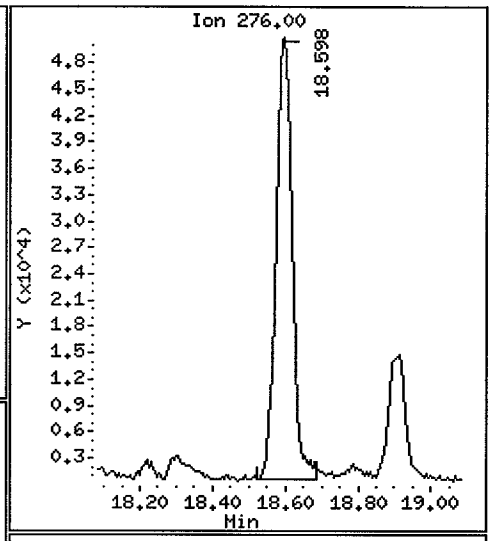
Concentration: 638.1 ug/kg

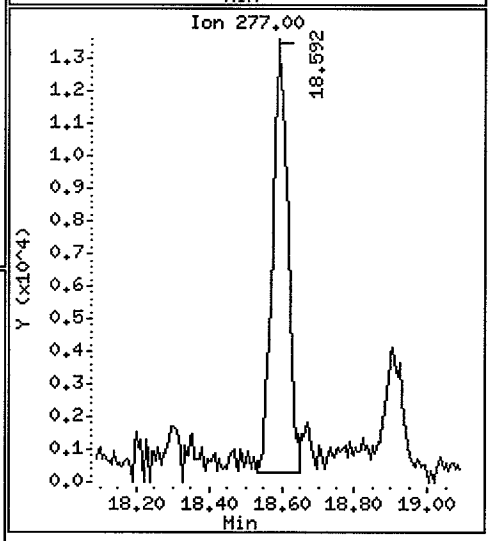












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

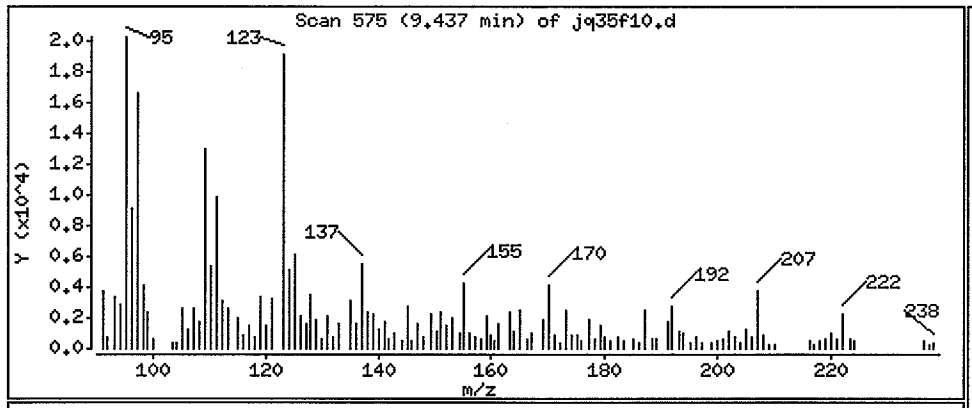
Operator: VTS

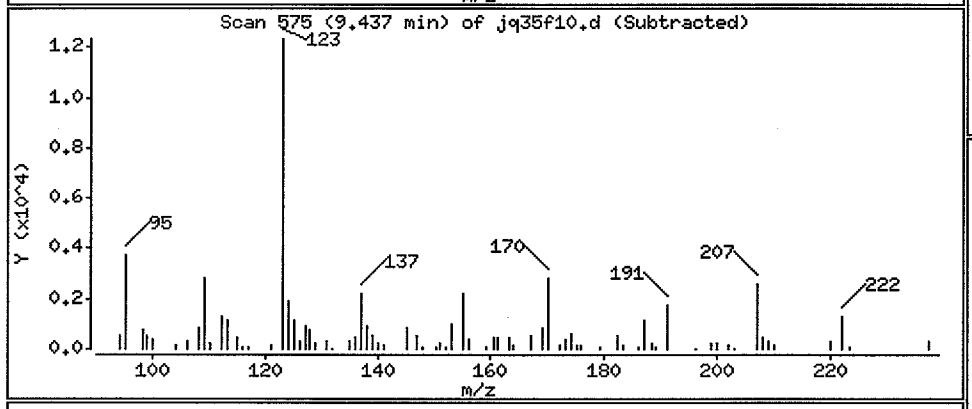
Column phase: ZB-5

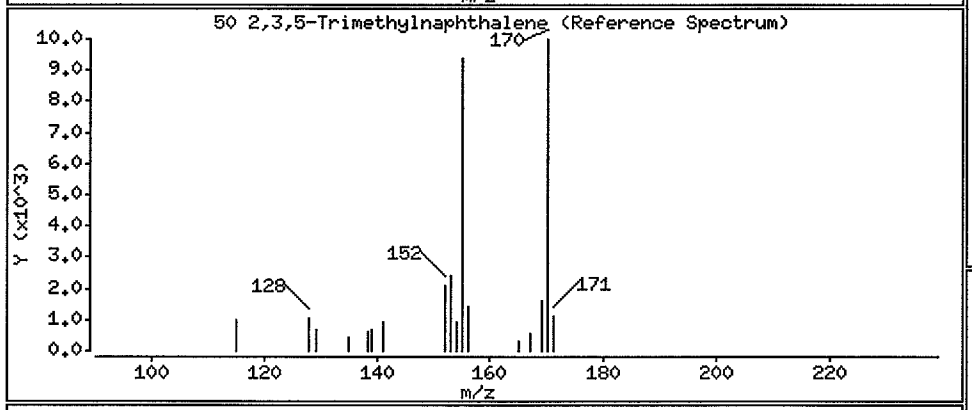
Column diameter: 0.25

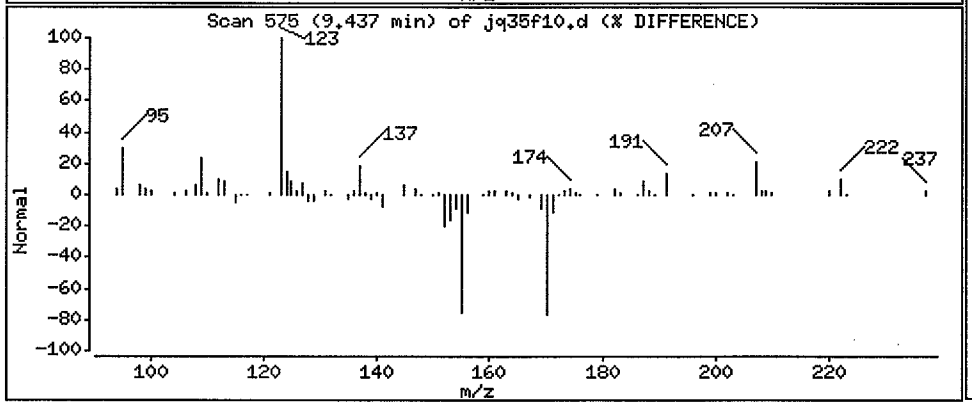
50 2,3,5-Trimethylnaphthalene

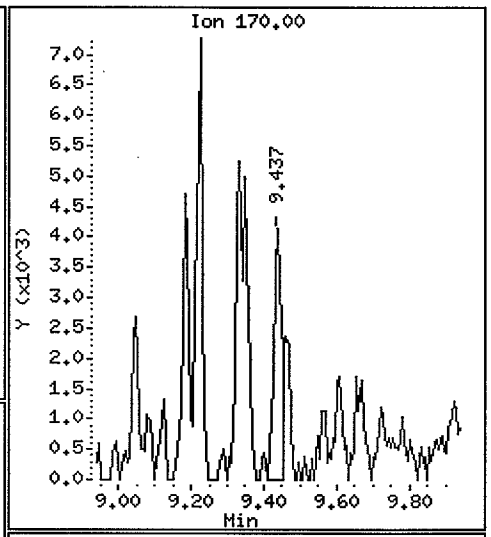
Concentration: 55.36 ug/kg

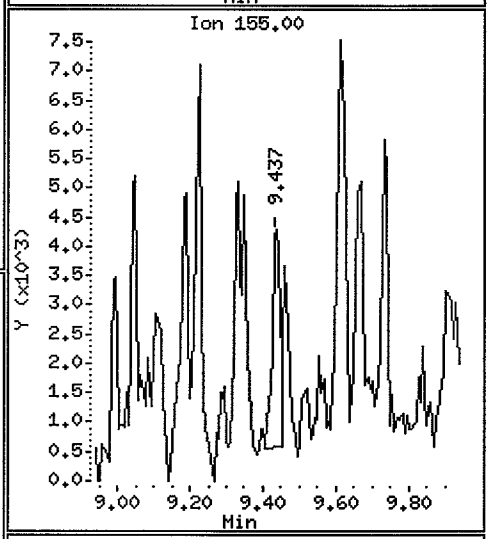


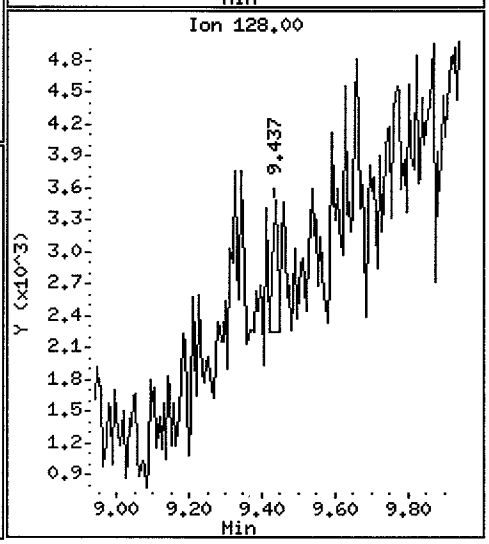












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

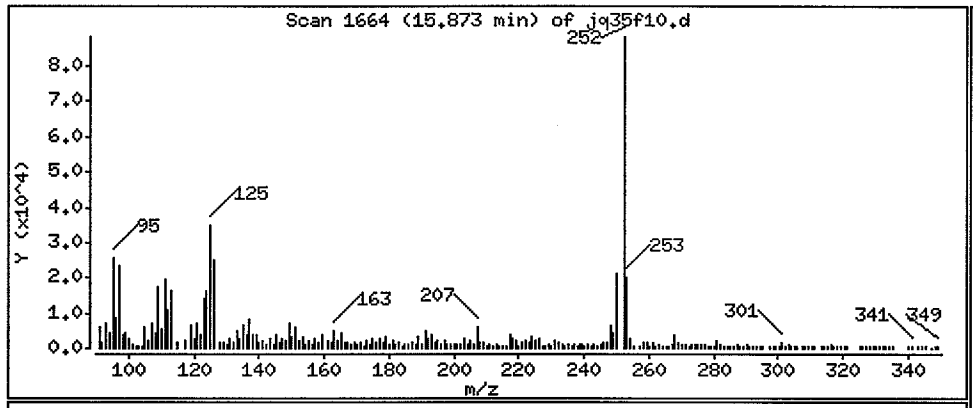
Operator: VTS

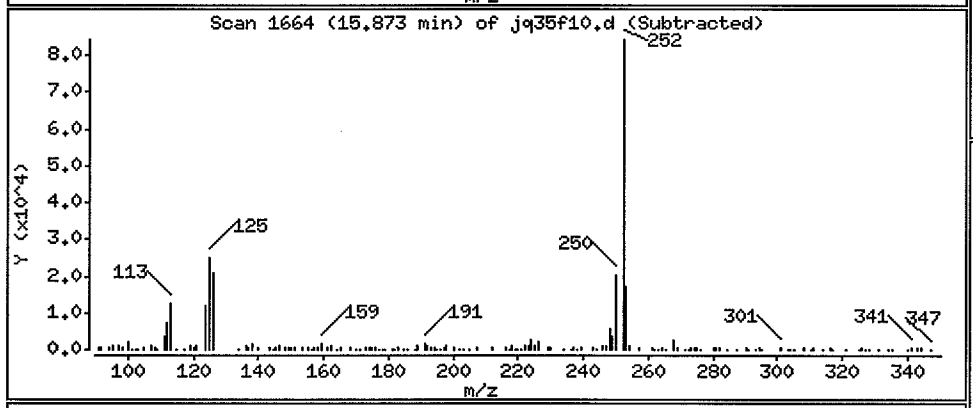
Column phase: ZB-5

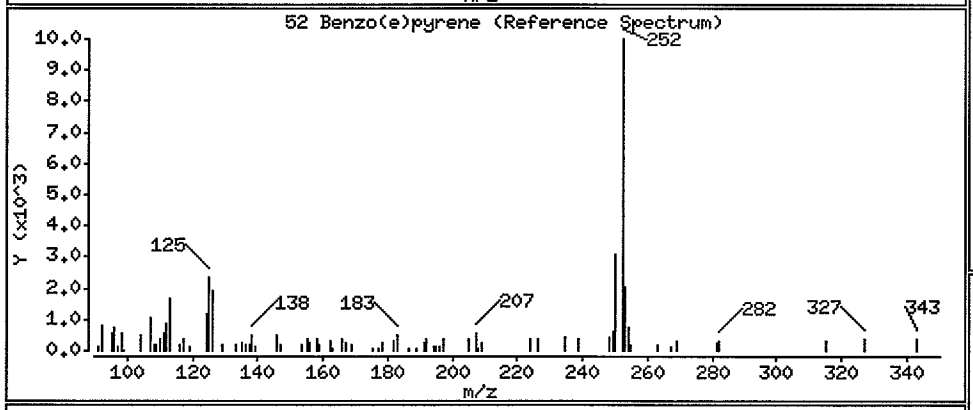
Column diameter: 0.25

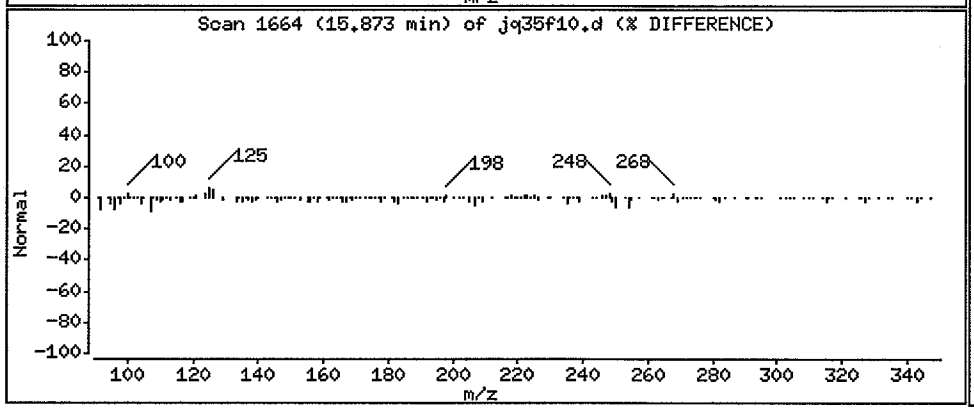
52 Benzo(e)pyrene

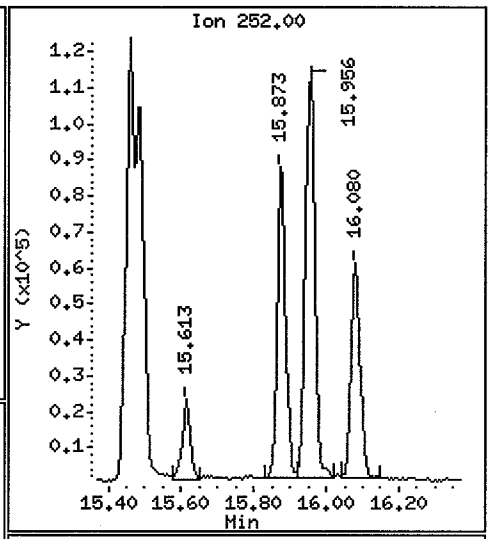
Concentration: 509.4 ug/kg

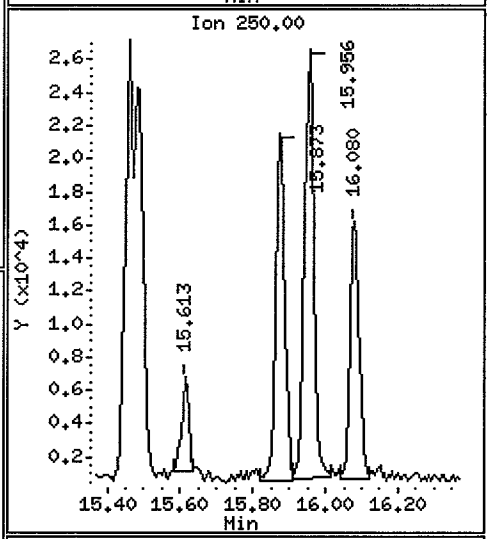


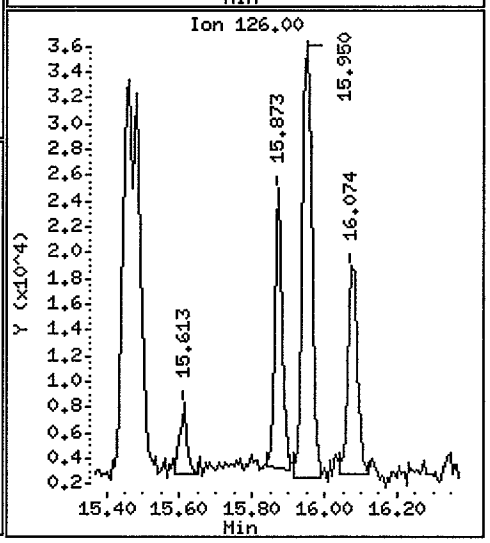












Data File: /chem3/nt1.i/20060807.b/jq35f10.d

Date : 07-AUG-2006 14:34

Client ID: T4-S3-03-C

Instrument: nt1.i

Sample Info: JQ35F,10

Volume Injected (uL): 1.0

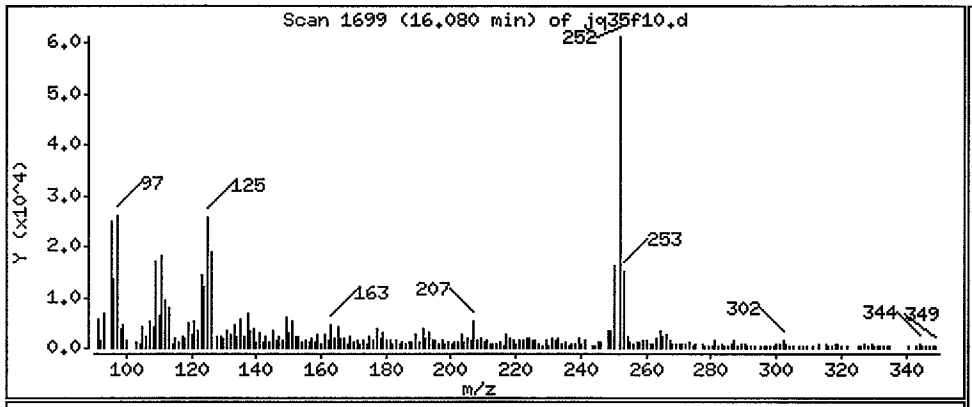
Operator: VTS

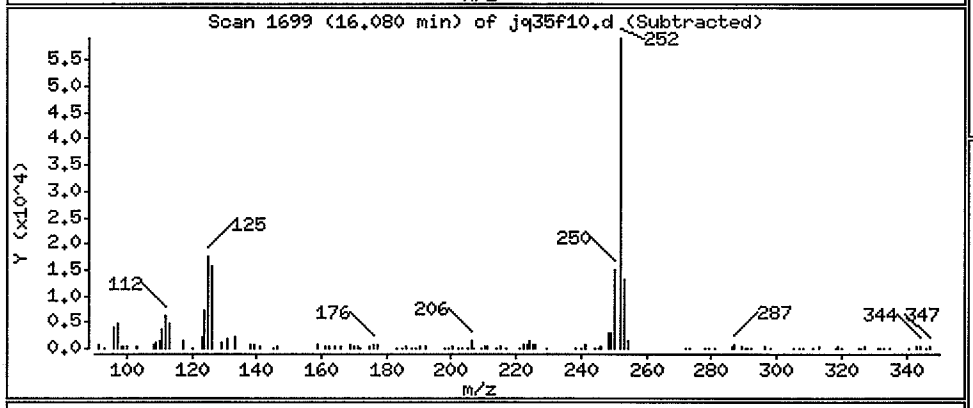
Column phase: ZB-5

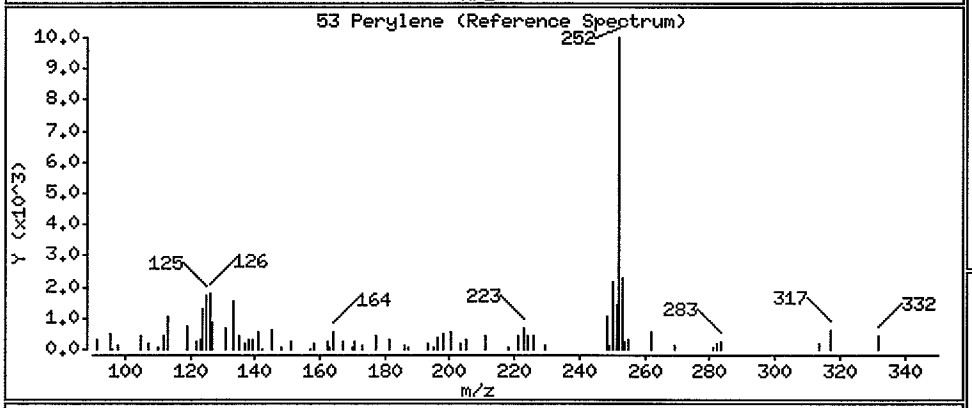
Column diameter: 0.25

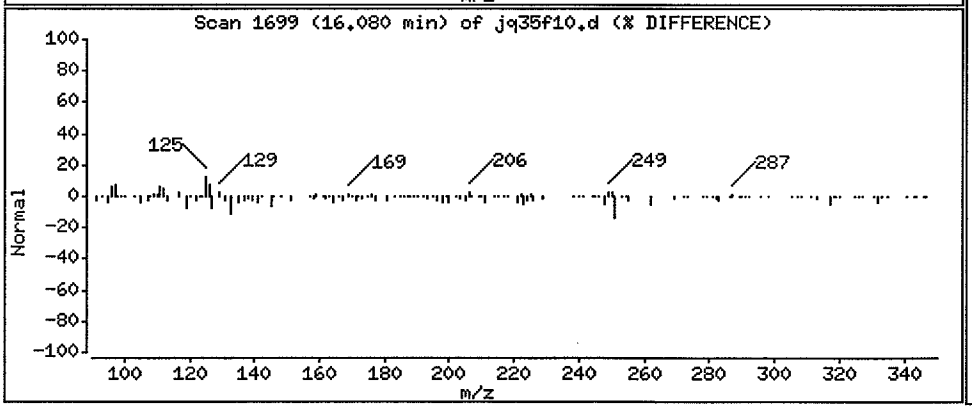
53 Perylene

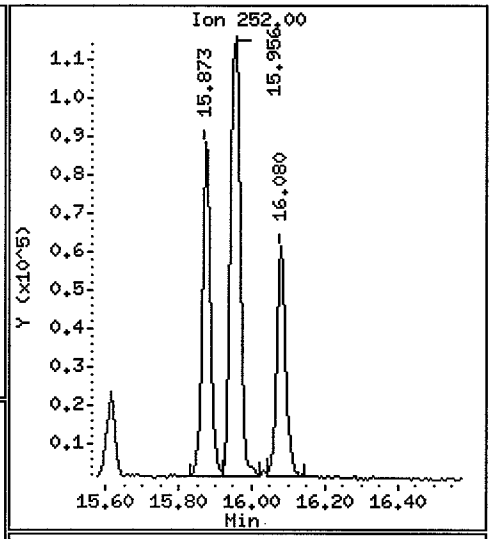
Concentration: 402.8 ug/kg

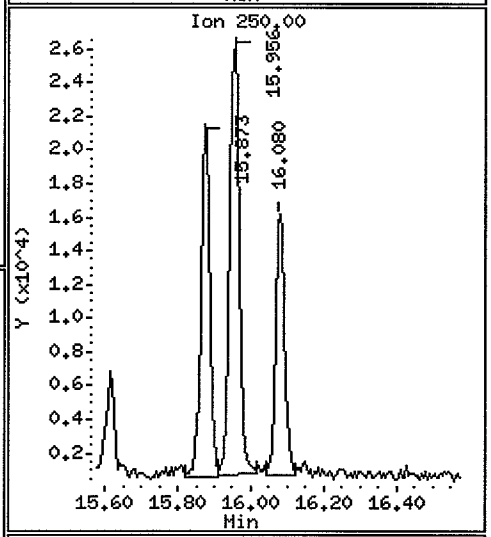


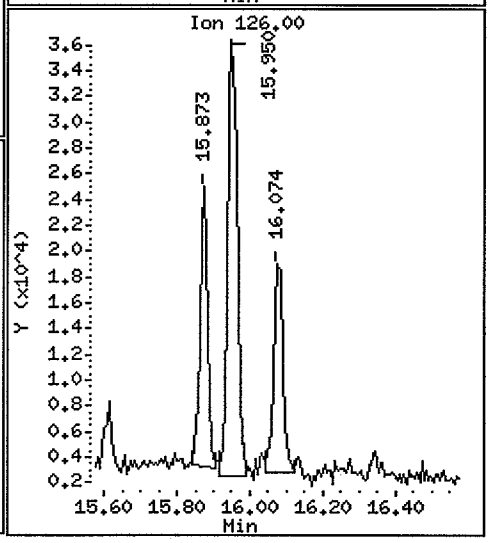












ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-03-D
SAMPLE

Lab Sample ID: JQ35G
LIMS ID: 06-12962
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 14:59
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: 32.8%
pH: 6.8

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**50**	**50**
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**	**140**
86-73-7	**Fluorene**	**50**	**99**
85-01-8	**Phenanthrene**	**50**	**620**
120-12-7	**Anthracene**	**50**	**94**
206-44-0	**Fluoranthene**	**50**	**1,000**
129-00-0	**Pyrene**	**50**	**1,200**
56-55-3	**Benzo(a)anthracene**	**50**	**420**
218-01-9	**Chrysene**	**50**	**600**
205-99-2	**Benzo(b)fluoranthene**	**50**	**480**
207-08-9	**Benzo(k)fluoranthene**	**50**	**420**
50-32-8	**Benzo(a)pyrene**	**50**	**520**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**50**	**310**
53-70-3	**Dibenz(a,h)anthracene**	**50**	**99**
191-24-2	**Benzo(g,h,i)perylene**	**50**	**390**
198-55-0	**Perylene**	**50**	**280**
92-52-4	Biphenyl	50	< 50 U
581-42-0	**2,6-Dimethylnaphthalene**	**50**	**64**
832-69-9	1-Methylphenanthrene	50	< 50 U
192-97-2	**Benzo(e)pyrene**	**50**	**320**
2245-38-7	**2,3,5-Trimethylnaphthalene**	**50**	**110**

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	55.3%
d14-Dibenzo(a,h)anthracen	54.0%

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq35g10.d
Lab Smp Id: JQ35G Client Smp ID: T4-S3-03-D
Inj Date : 07-AUG-2006 14:59
Operator : VTS Inst ID: nt1.i
Smp Info : JQ35G,10
Misc Info : 06-12962
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: 10
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	15.00000	Weight of sample extracted (g)
M	32.80000	% 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	6.892	6.891	(1.000)	271540	2.00000	
2 Naphthalene	128	6.915	6.915	(1.003)	13650	0.10078	49.99
$ 3 2-Methylnaphthalene-d10	152	7.648	7.648	(1.110)	11587	0.16567	82.18
4 2-Methylnaphthalene	142	7.684	7.683	(1.115)	5194	0.06475	32.12
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	8.777	8.771	(0.980)	9341	0.07271	36.07
* 8 Acenaphthene-d10	164	8.954	8.954	(1.000)	154950	2.00000	
9 Acenaphthene	153	8.996	8.989	(1.005)	22014	0.28934	143.5
10 Dibenzofuran	168	Compound Not Detected.					
11 Fluorene	166	9.604	9.604	(1.073)	17047	0.19540	96.92
* 15 Phenanthrene-d10	188	10.769	10.762	(1.000)	251307	2.00000	
16 Phenanthrene	178	10.798	10.792	(1.003)	161032	1.24839	619.2
17 Anthracene	178	10.851	10.851	(1.008)	23999	0.18617	92.35
19 Fluoranthene	202	12.294	12.287	(1.142)	278387	2.11591	1050
20 Pyrene	202	12.583	12.577	(0.893)	340018	2.41584	1198

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
22 Benzo(a)anthracene	228	14.061	14.054	(0.998)	112345	0.85116	422.2
* 23 Chrysene-d12	240	14.084	14.078	(1.000)	219185	2.00000	
24 Chrysene	228	14.114	14.107	(1.002)	148211	1.21742	603.9
28 Benzo(b)fluoranthene	252	15.461	15.455	(0.964)	123335	0.96207	477.2
29 Benzo(k)fluoranthene	252	15.485	15.484	(0.965)	116057	0.84917	421.2
30 Benzo(a)pyrene	252	15.952	15.951	(0.994)	129939	1.04021	516.0
* 31 Perylene-d12	264	16.041	16.034	(1.000)	227150	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	18.003	18.002	(1.122)	89454	0.62270	308.9
$ 32 Dibenz(a,h)anthrancene-d14	292	17.920	17.931	(1.117)	14102	0.16222	80.47(M)
34 Dibenz(a,h)anthracene	278	17.985	17.996	(1.121)	23648	0.20151	99.95
35 Benzo(g,h,i)perylene	276	18.594	18.581	(1.159)	94580	0.79204	392.9
48 Biphenyl	154	Compound Not Detected.					
49 2,6-Dimethylnaphthalene	156	8.416	8.416	(0.940)	9941	0.13184	65.40
50 2,3,5-Trimethylnaphthalene	170	9.439	9.438	(1.054)	13284	0.21509	106.7(M)
51 1-Methylphenanthrene	192	Compound Not Detected.					
52 Benzo(e)pyrene	252	15.875	15.869	(0.990)	88987	0.64356	319.2
53 Perylene	252	16.076	16.075	(1.002)	72164	0.55584	275.7

QC Flag Legend

M - Compound response manually integrated.

Corrected
2,3,5-Trimethylnaphthalene
VTS
8.9.2006

YZ 8/9/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq35g10.d
Lab Smp Id: JQ35G — Client Smp ID: T4-S3-03-D
Inj Date : 07-AUG-2006 14:59
Operator : VTS — Inst ID: nt1.i
Smp Info : JQ35G,10
Misc Info : 06-12962
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: 10
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	15.00000	Weight of sample extracted (g)
M	32.80000	% 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	6.892	6.891	(1.000)	271540	2.00000	
2 Naphthalene	128	6.915	6.915	(1.003)	13650	0.10078	49.99
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4 2-Methylnaphthalene	142	7.684	7.683	(1.115)	5194	0.06475 J	32.12
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	8.777	8.771	(0.980)	9341	0.07271 J	36.07
* 8 Acenaphthene-d10	164	8.954	8.954	(1.000)	154950	2.00000	
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10 Dibenzofuran	168	Compound Not Detected.					
11 Fluorene	166	9.604	9.604	(1.073)	17047	0.19540	96.92
* 15 Phenanthrene-d10	188	10.769	10.762	(1.000)	251307	2.00000	
16 Phenanthrene	178	10.798	10.792	(1.003)	161032	1.24839	619.2
17 Anthracene	178	10.851	10.851	(1.008)	23999	0.18617	92.35
19 Fluoranthene	202	12.294	12.287	(1.142)	278387	2.11591	1050
20 Pyrene	202	12.583	12.577	(0.893)	340018	2.41584	1198

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
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24 Chrysene	228	14.114	14.107	(1.002)	148211	1.21742	603.9
28 Benzo(b)fluoranthene	252	15.461	15.455	(0.964)	123335	0.96207	477.2
29 Benzo(k)fluoranthene	252	15.485	15.484	(0.965)	116057	0.84917	421.2
30 Benzo(a)pyrene	252	15.952	15.951	(0.994)	129939	1.04021	516.0
* 31 Perylene-d12	264	16.041	16.034	(1.000)	227150	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	18.003	18.002	(1.122)	89454	0.62270	308.9
$ 32 Dibenz(a,h)anthrancene-d14	292	17.920	17.931	(1.117)	14102	0.16222	80.47(M)
34 Dibenz(a,h)anthracene	278	17.985	17.996	(1.121)	23648	0.20151	99.95
35 Benzo(g,h,i)perylene	276	18.594	18.581	(1.159)	94580	0.79204	392.9
48 Biphenyl	154	Compound Not Detected.					
49 2,6-Dimethylnaphthalene	156	8.416	8.416	(0.940)	9941	0.13184	65.40
50 2,3,5-Trimethylnaphthalene	170	9.439	9.438	(1.054)	18905	0.30610	151.8(M)
51 1-Methylphenanthrene	192	Compound Not Detected.					
52 Benzo(e)pyrene	252	15.875	15.869	(0.990)	88987	0.64356	319.2
53 Perylene	252	16.076	16.075	(1.002)	72164	0.55584	275.7

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: jq35g10.d
Lab Smp Id: JQ35G
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12962

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-03-D
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	271540	17.53
8 Acenaphthene-d10	129131	64566	258262	154950	19.99
15 Phenanthrene-d10	212850	106425	425700	251307	18.07
23 Chrysene-d12	190817	95408	381634	219185	14.87
31 Perylene-d12	197592	98796	395184	227150	14.96

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.89	6.39	7.39	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	10.77	0.06
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.05
31 Perylene-d12	16.03	15.53	16.53	16.04	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

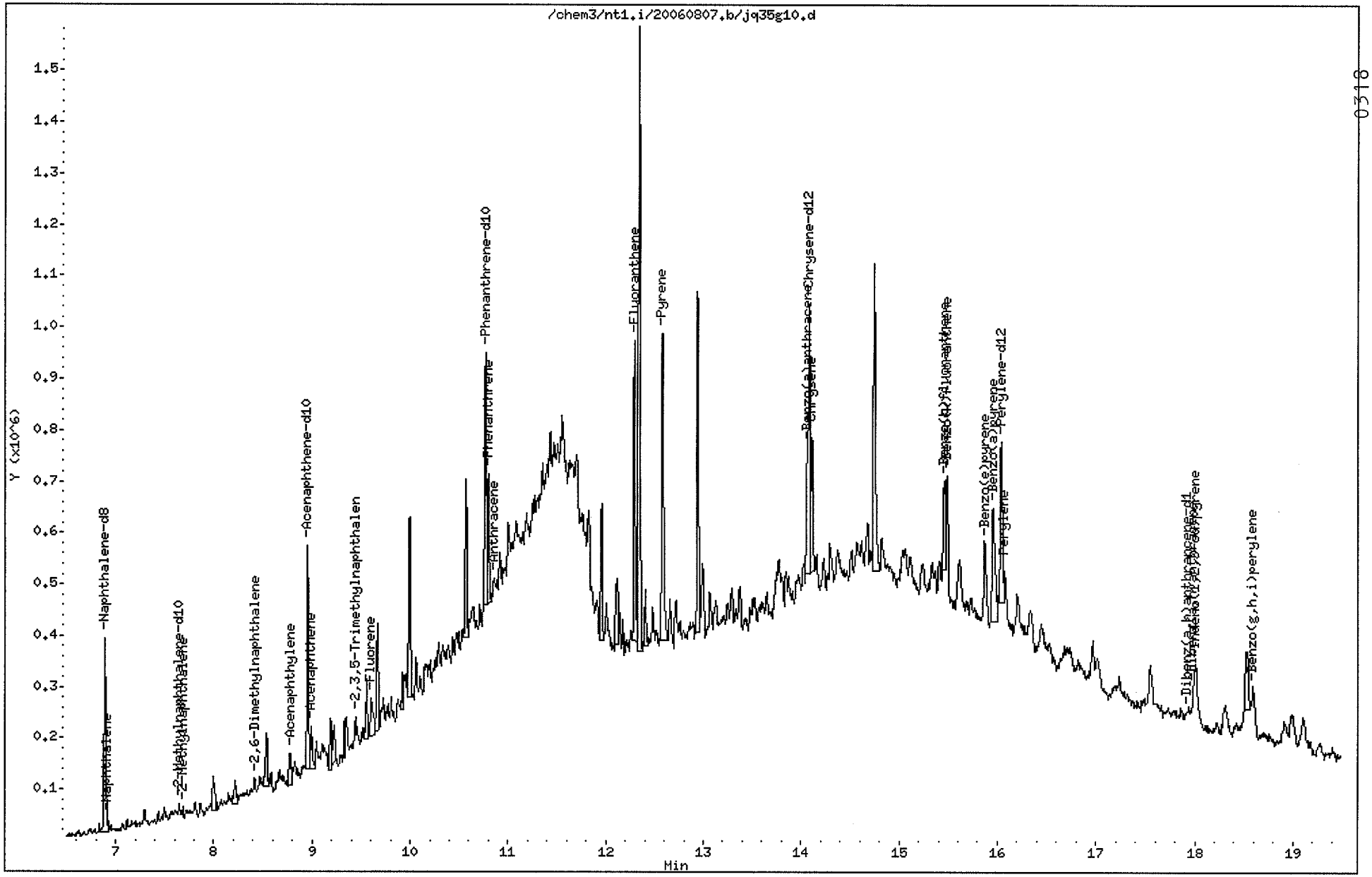
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35G
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12962

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-03-D
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	148.8	82.18	55.22	32-97
$ 32 Dibenz(a,h)anthran	148.8	80.47	54.07	21-105

Data File: /chem3/nt1.i/20060807.b/jq35g10.d
Date : 07-AUG-2006 14:59
Client ID: T4-S3-03-D
Sample Info: JQ35G,10
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0318

Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

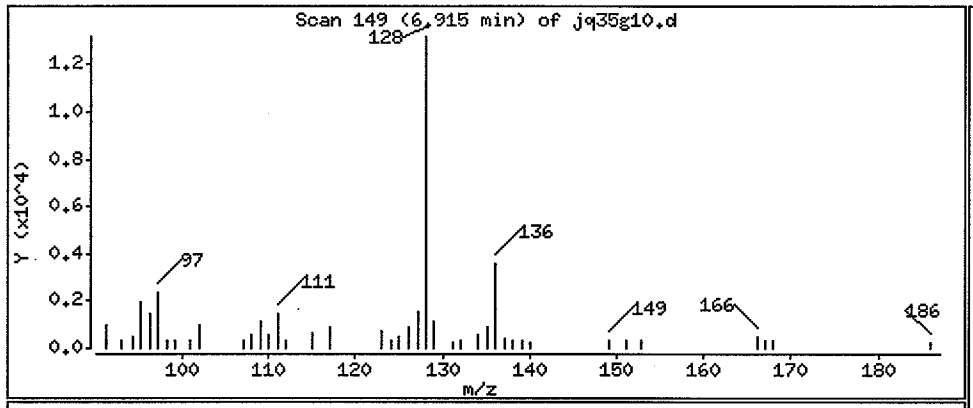
Operator: VTS

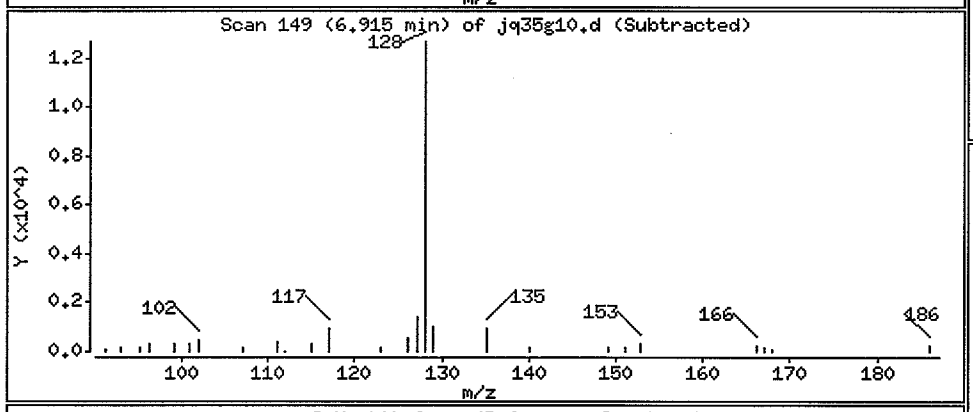
Column phase: ZB-5

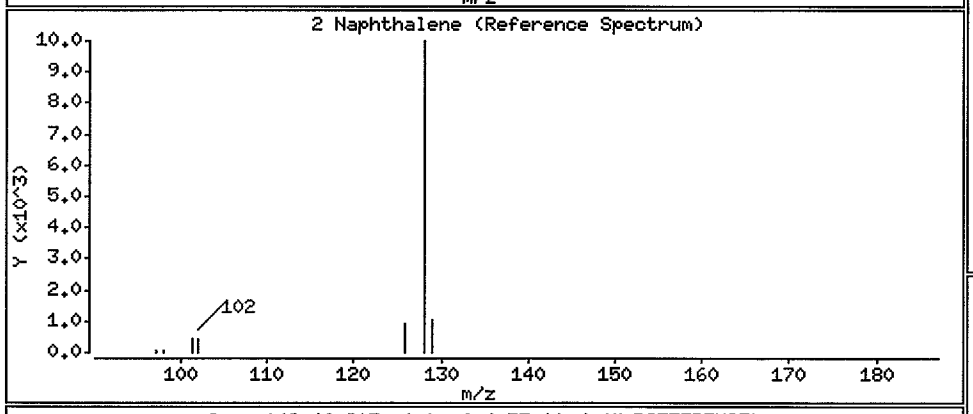
Column diameter: 0.25

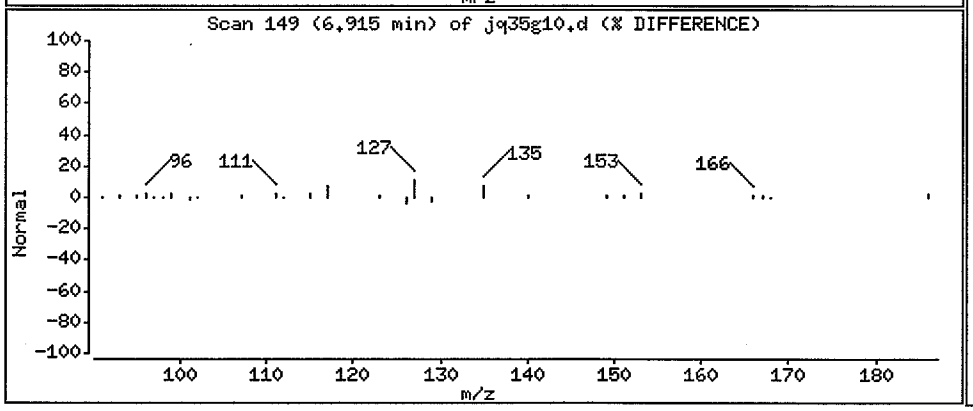
2 Naphthalene

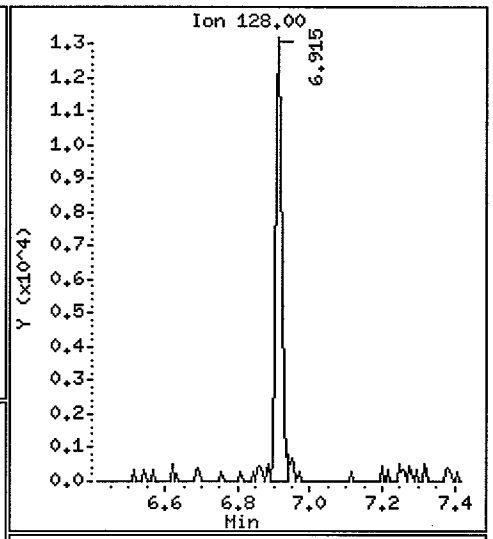
Concentration: 49.99 ug/kg

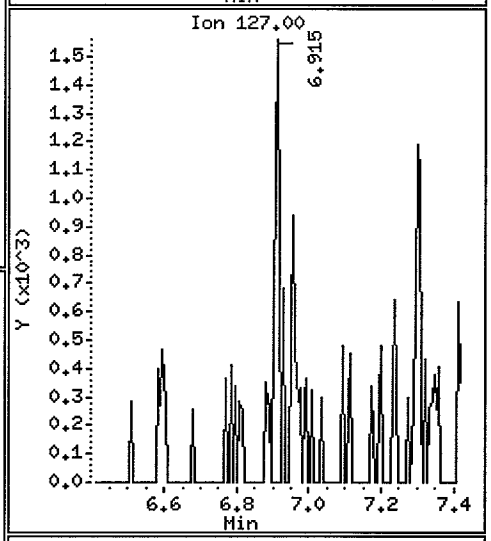


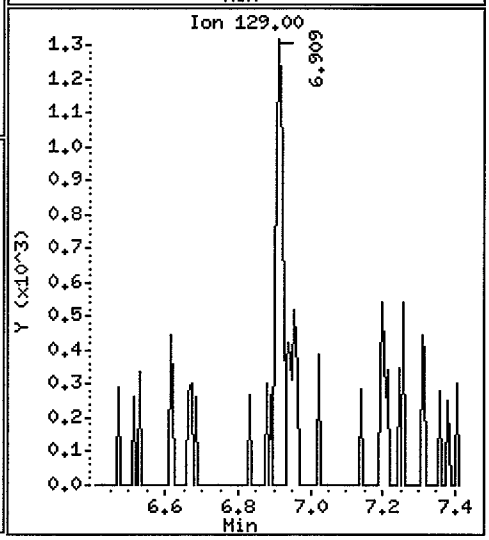












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

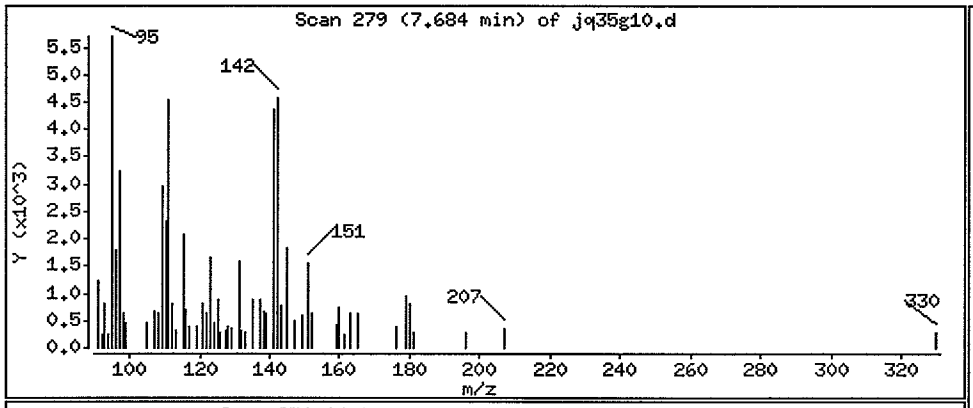
Operator: VTS

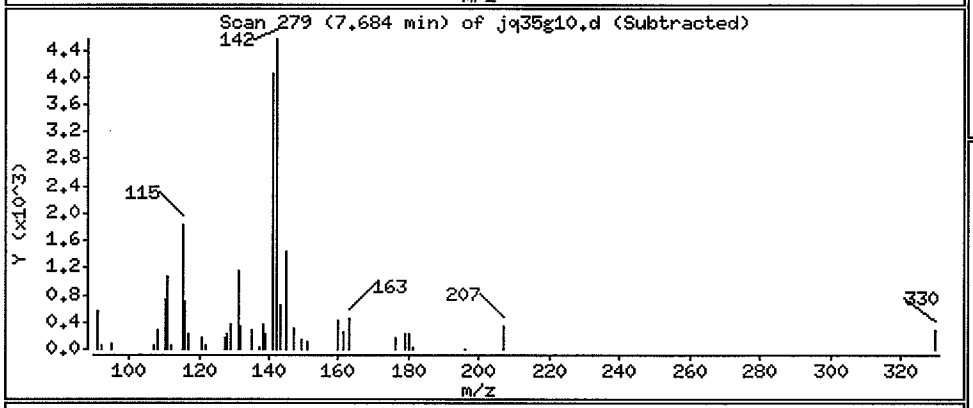
Column phase: ZB-5

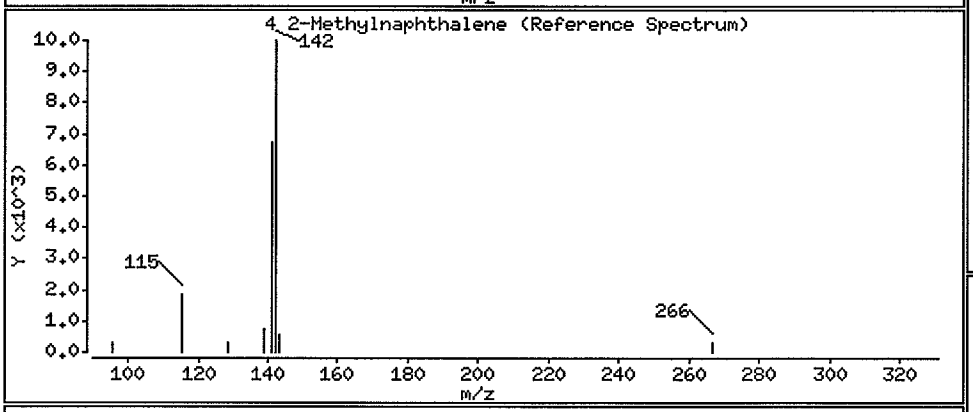
Column diameter: 0.25

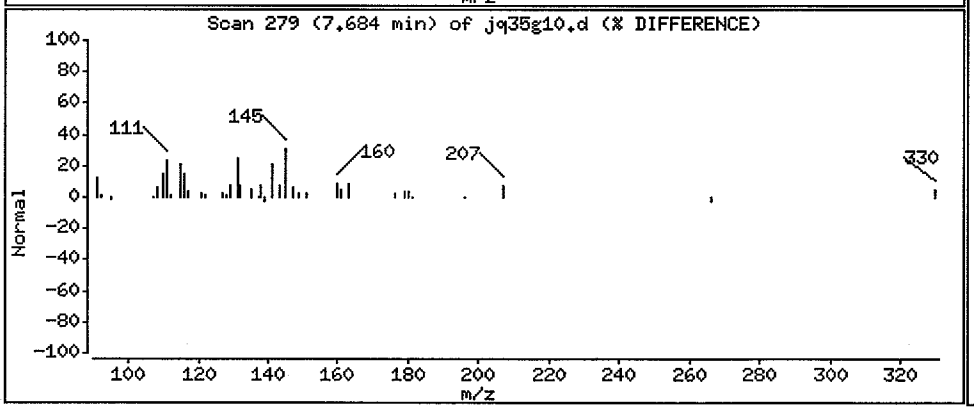
4 2-Methylnaphthalene

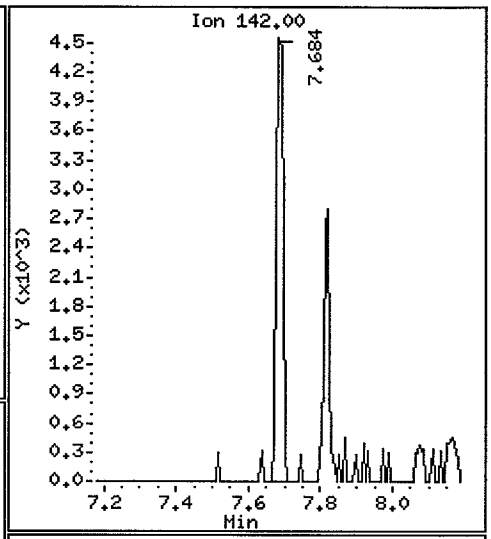
Concentration: 32.12 ug/kg

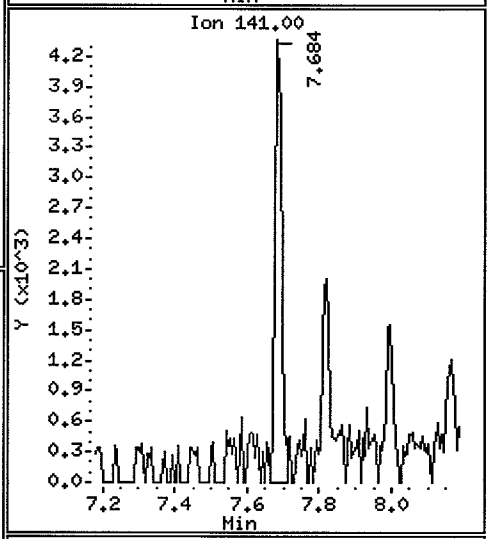


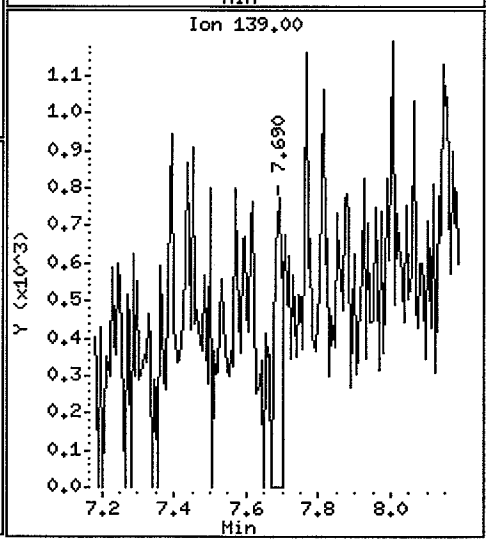












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

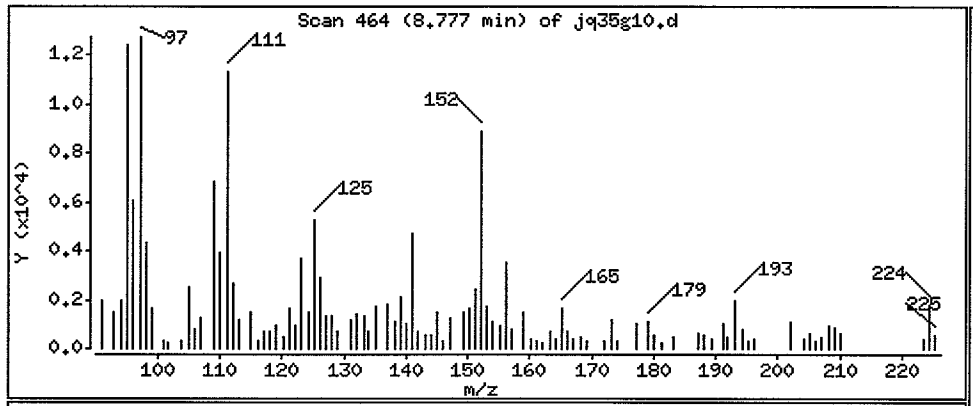
Operator: VTS

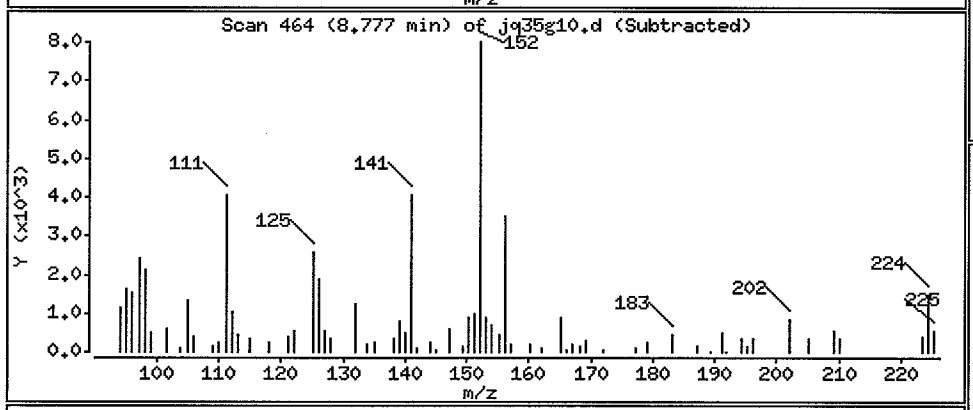
Column phase: ZB-5

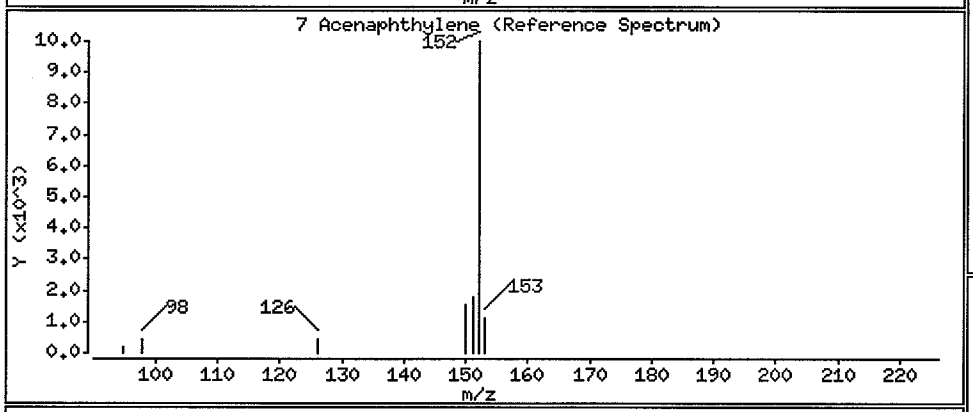
Column diameter: 0.25

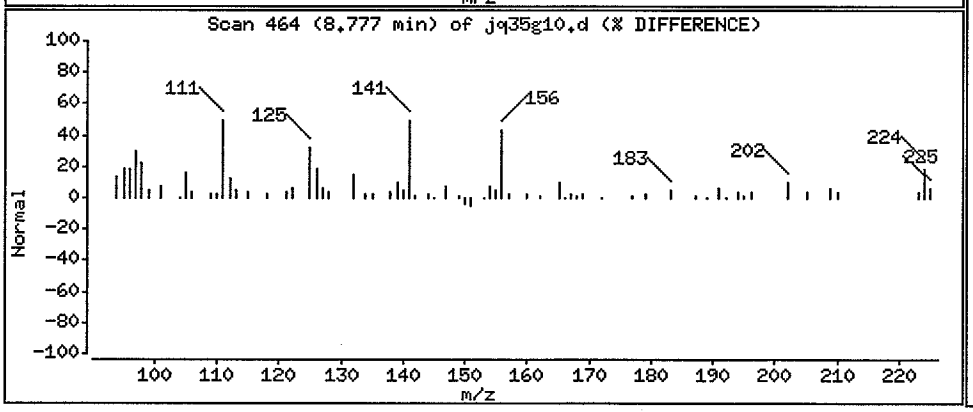
7 Acenaphthylene

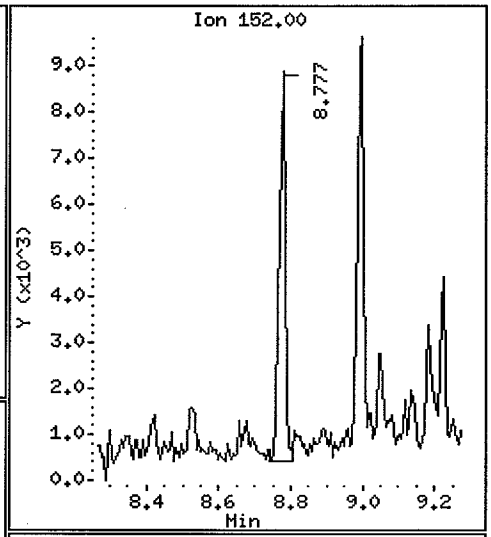
Concentration: 36.07 ug/kg

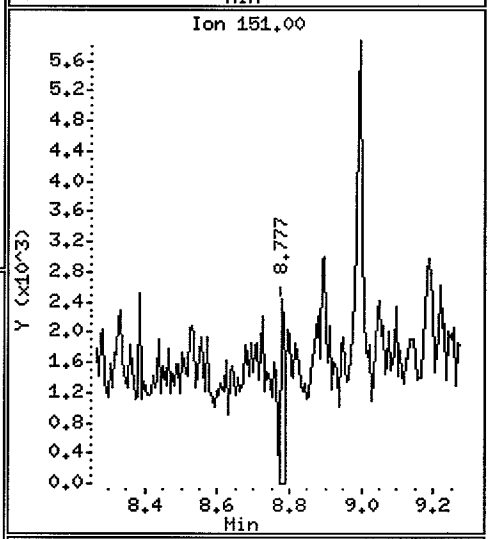


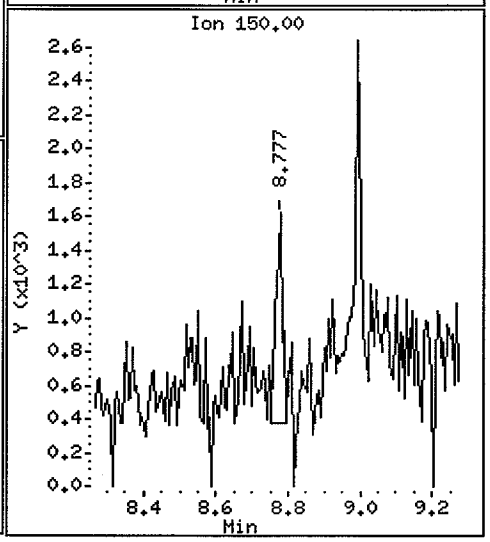












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

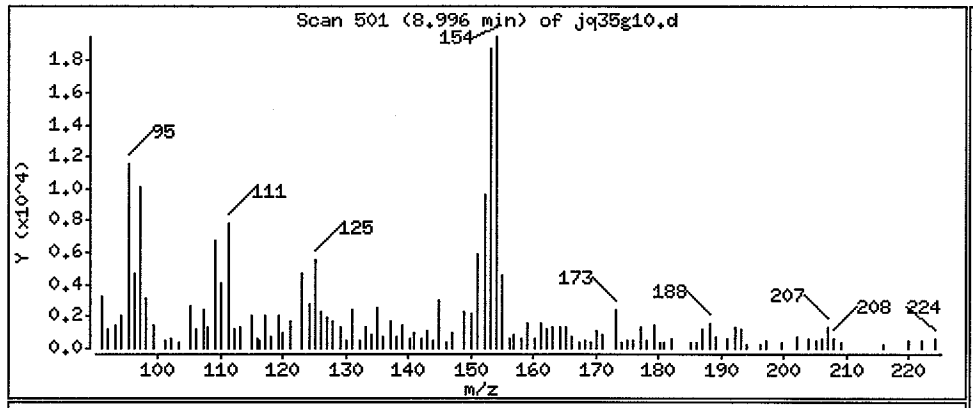
Operator: VTS

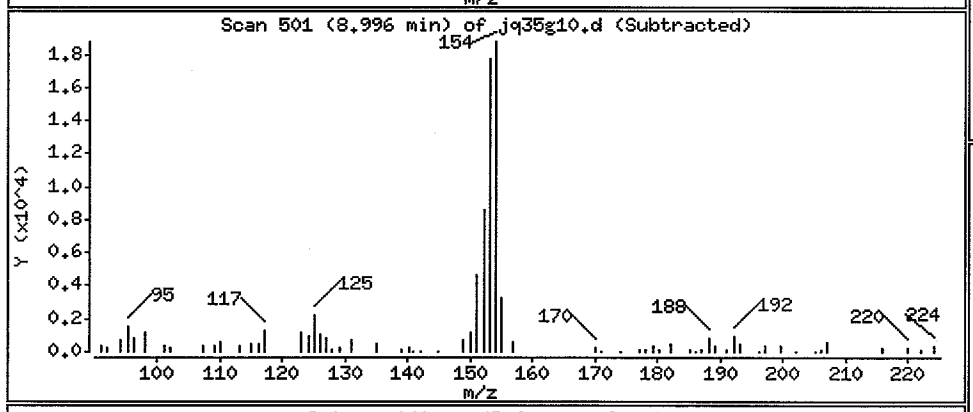
Column phase: ZB-5

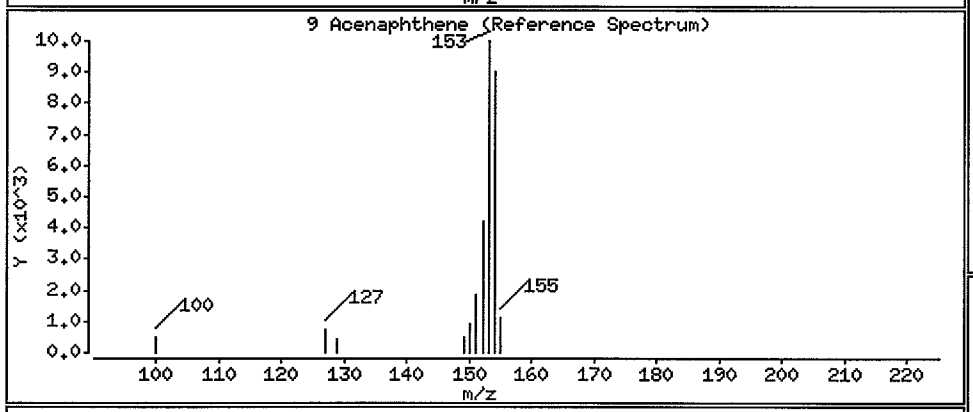
Column diameter: 0.25

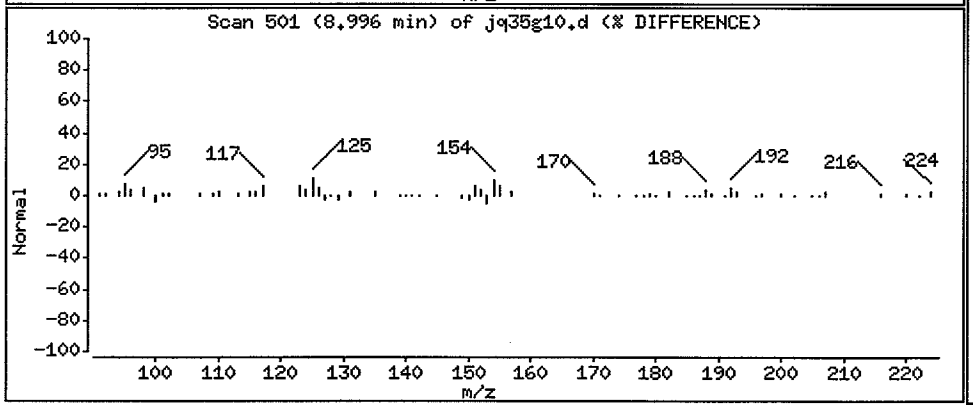
9 Acenaphthene

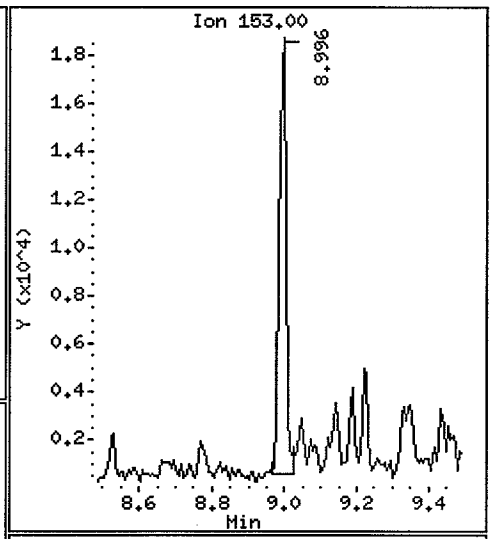
Concentration: 143.5 ug/kg

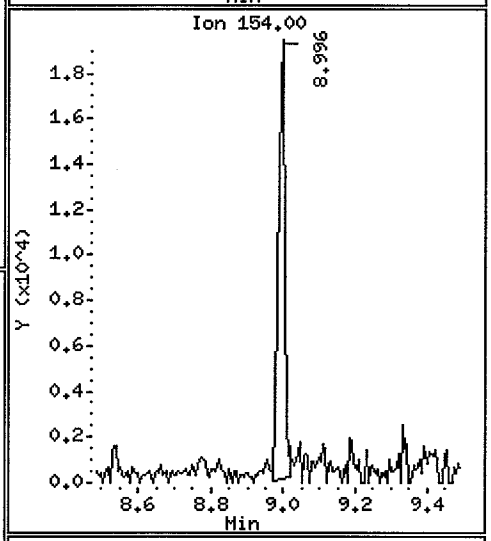


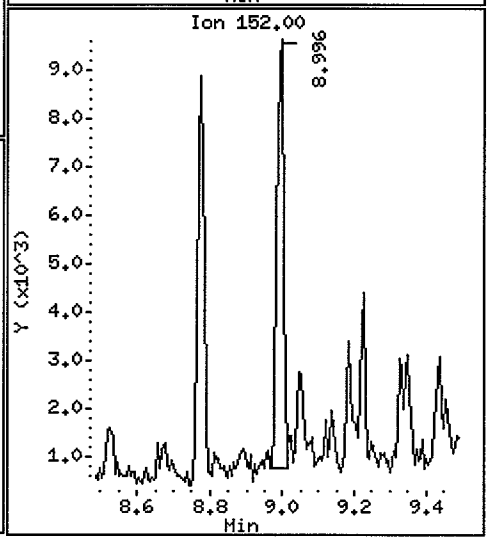












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

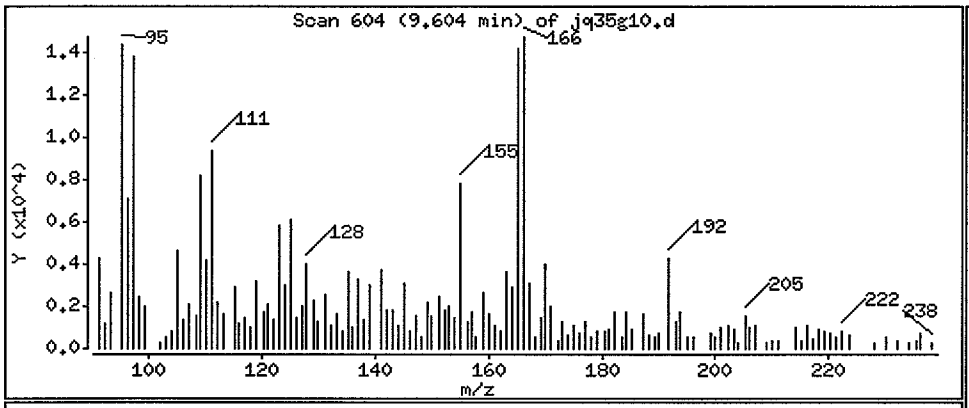
Operator: VTS

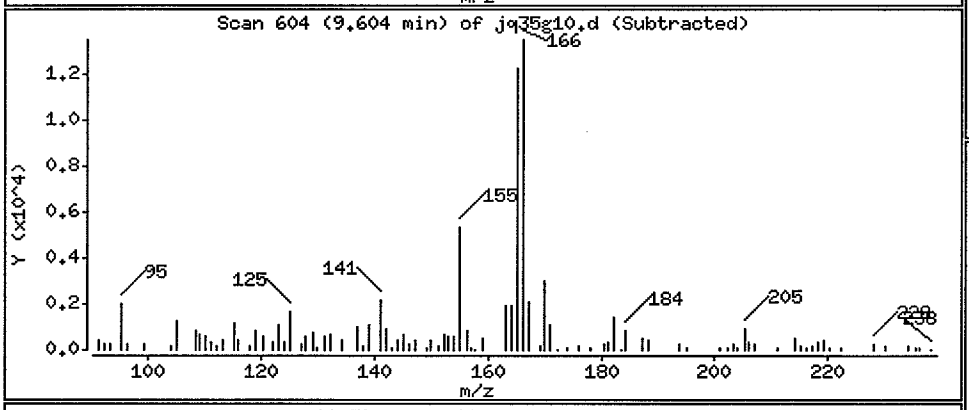
Column phase: ZB-5

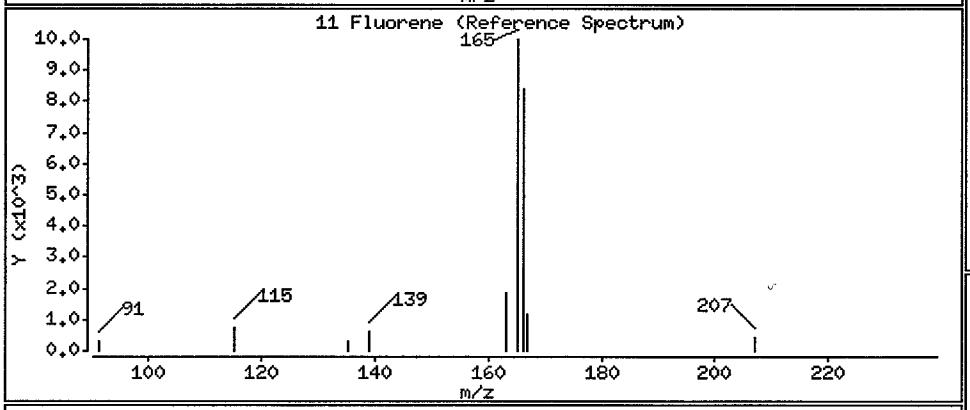
Column diameter: 0.25

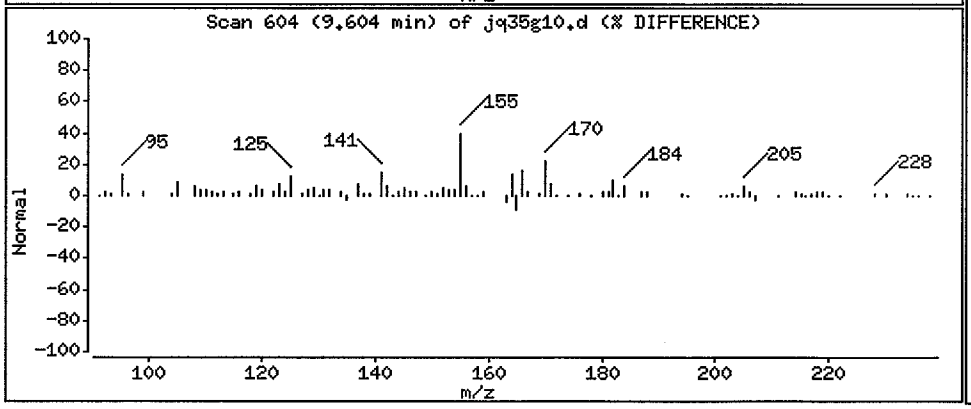
11 Fluorene

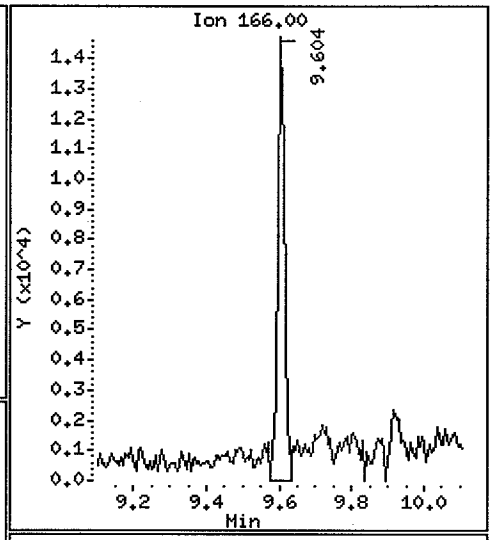
Concentration: 96.92 ug/kg

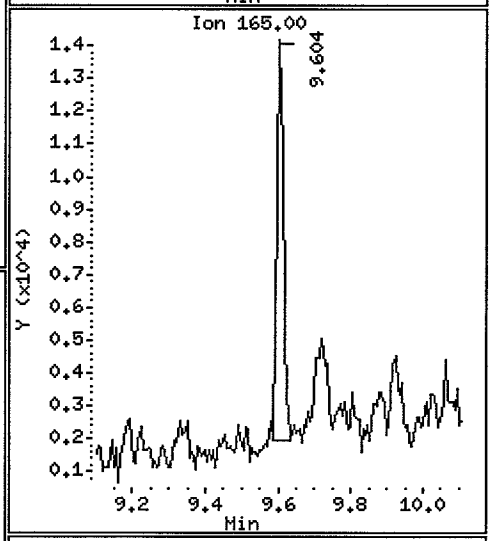


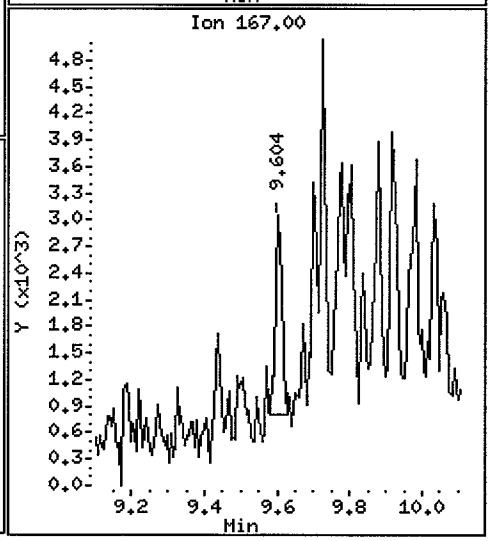












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

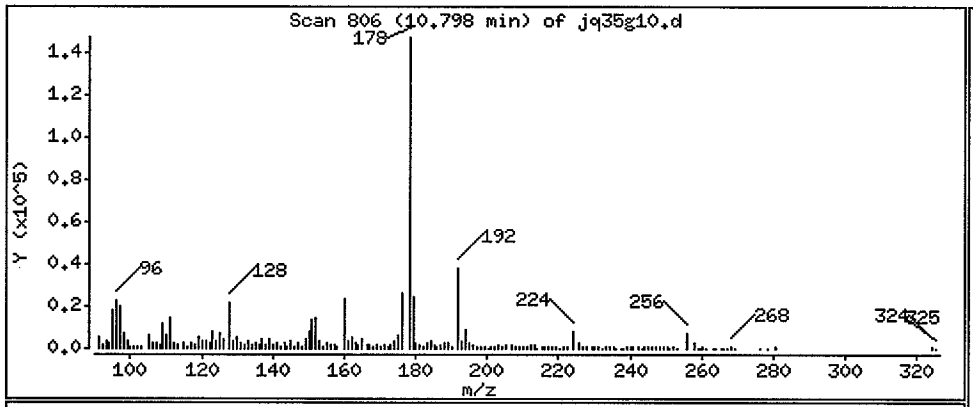
Operator: VTS

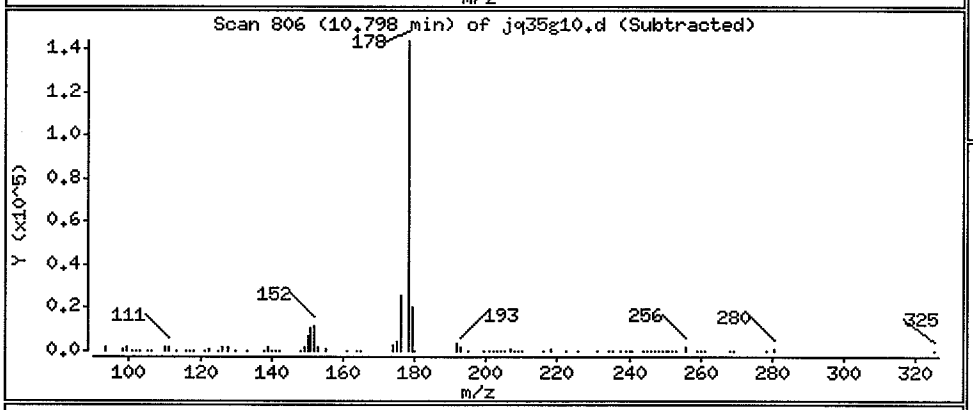
Column phase: ZB-5

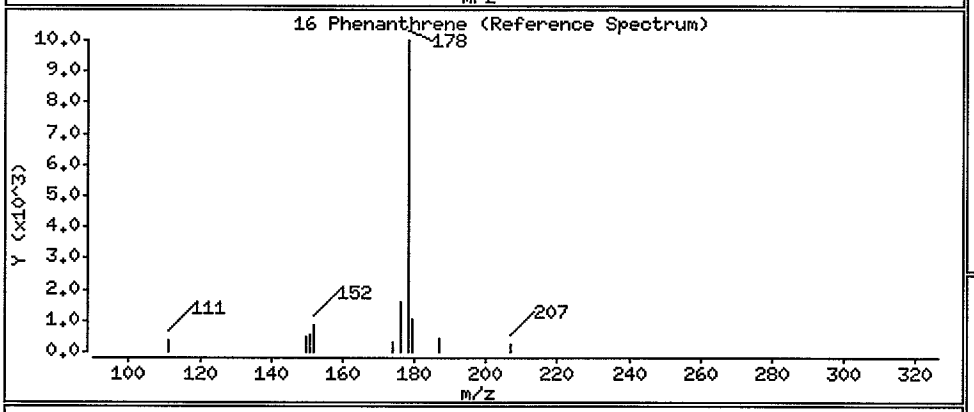
Column diameter: 0.25

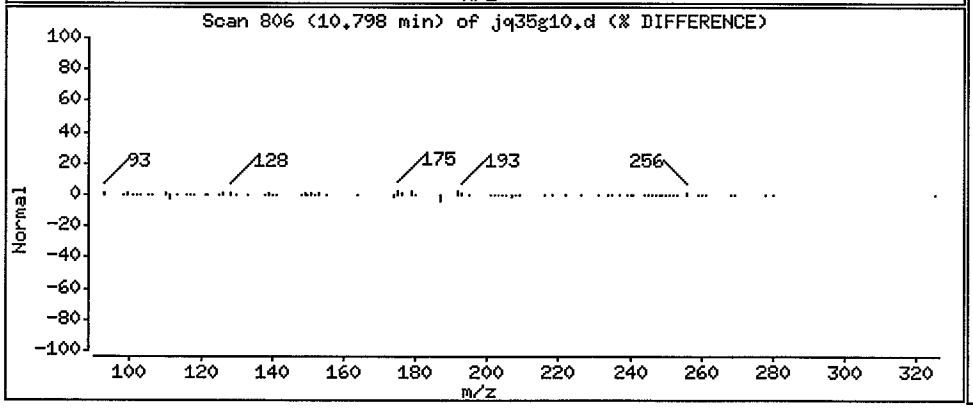
16 Phenanthrene

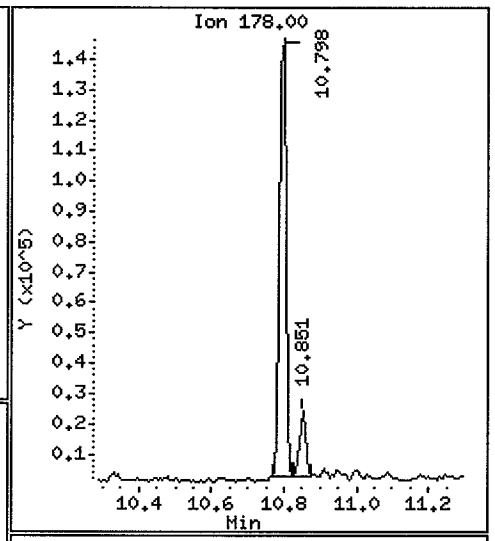
Concentration: 619.2 ug/kg

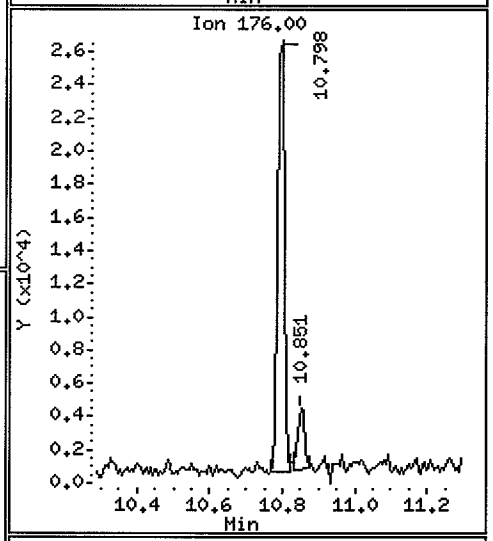


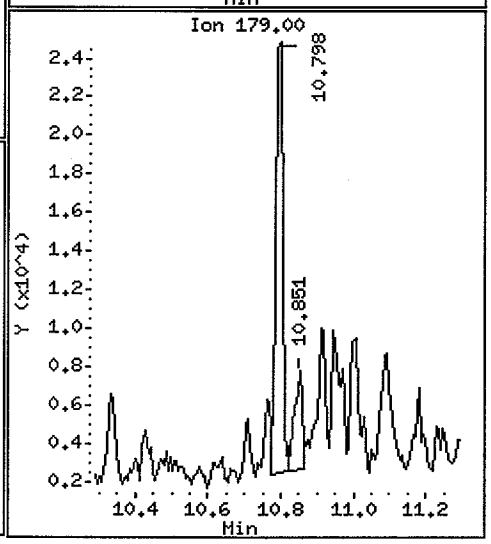












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

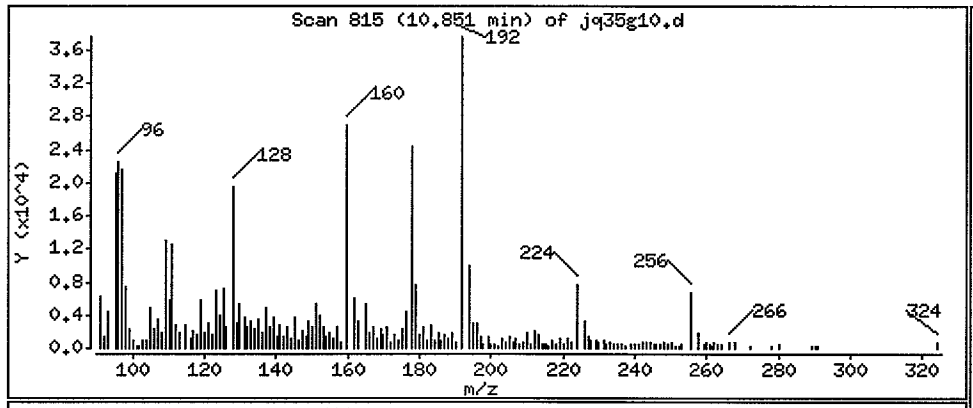
Operator: VTS

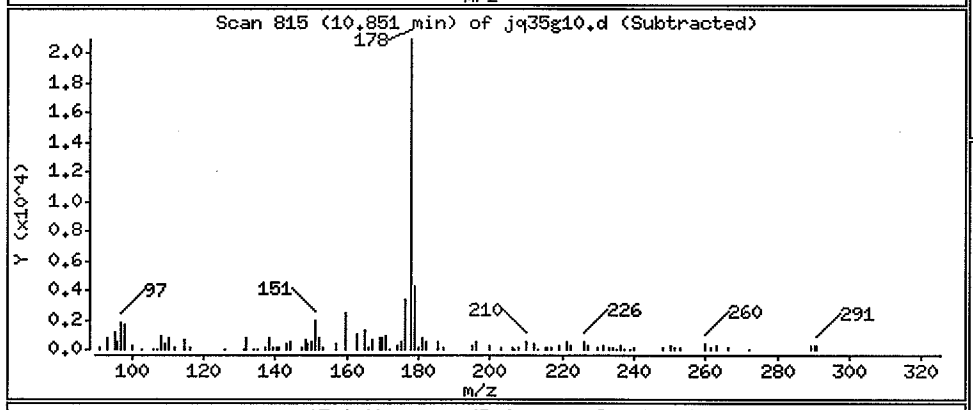
Column phase: ZB-5

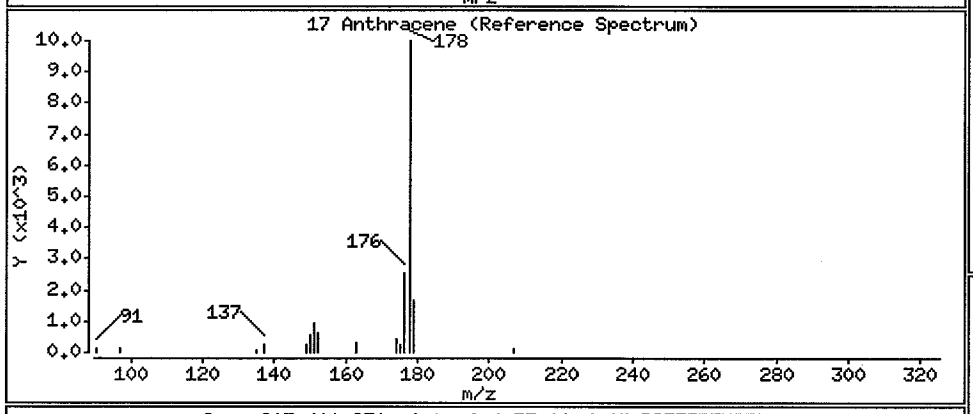
Column diameter: 0.25

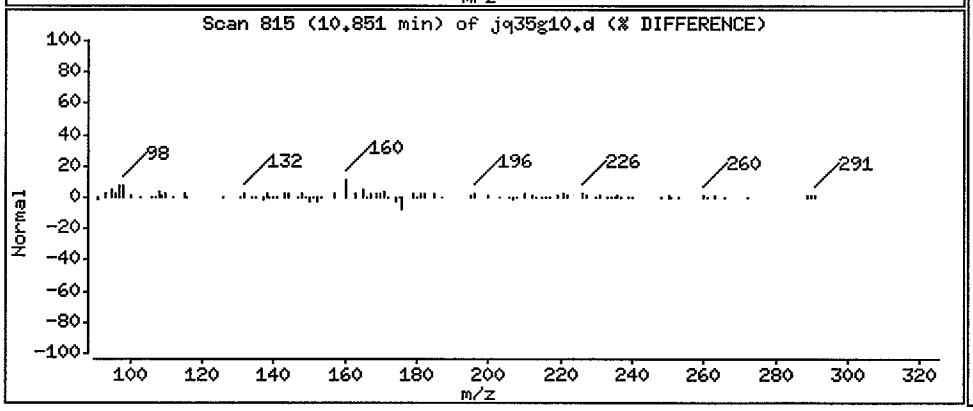
17 Anthracene

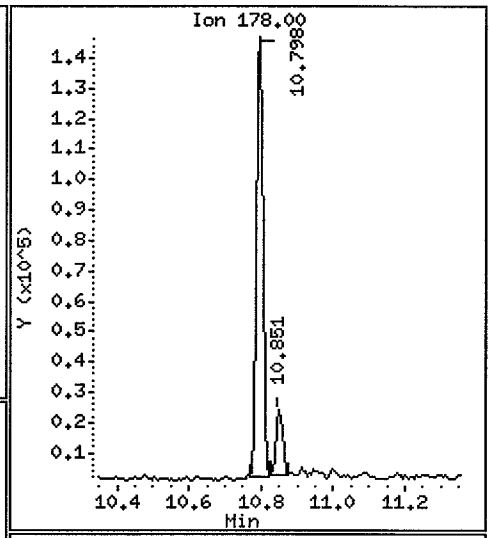
Concentration: 92.35 ug/kg

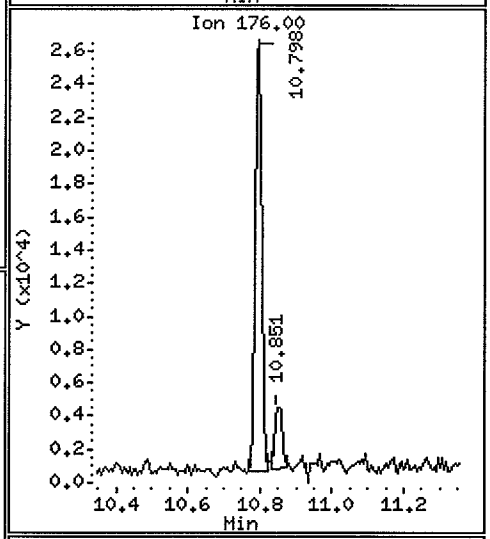


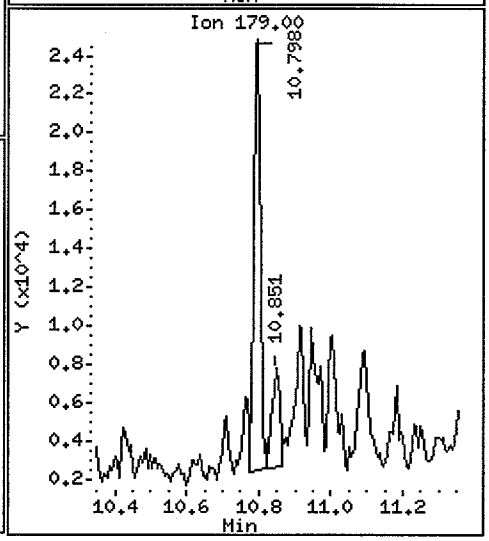












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

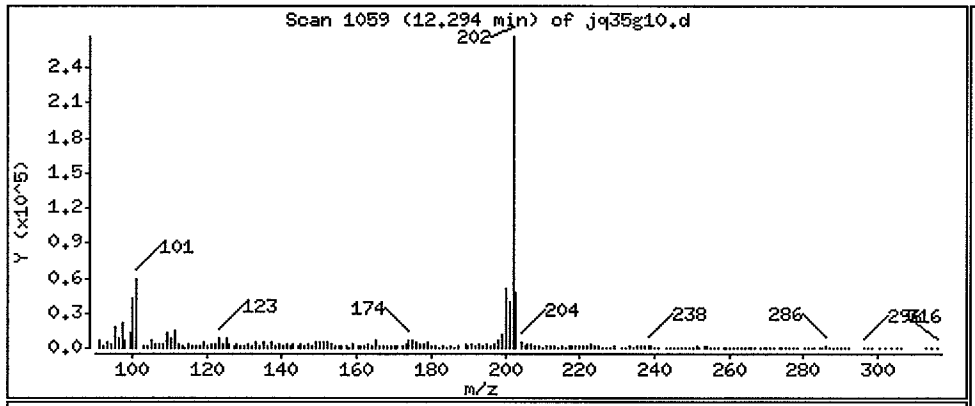
Operator: VTS

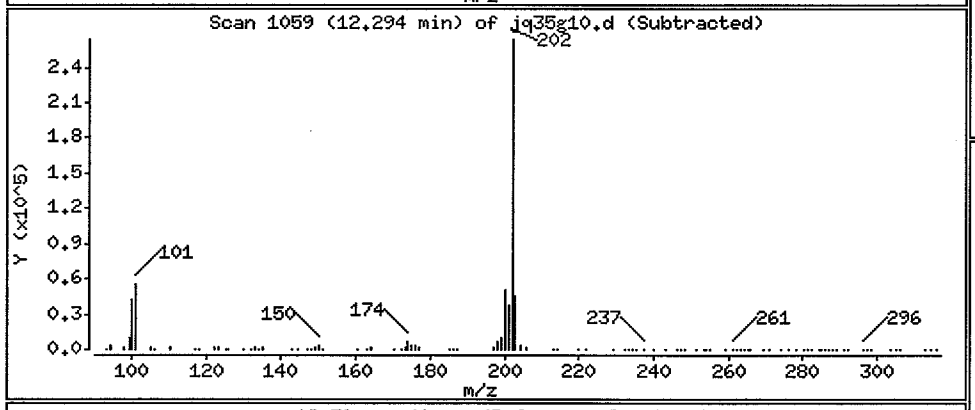
Column phase: ZB-5

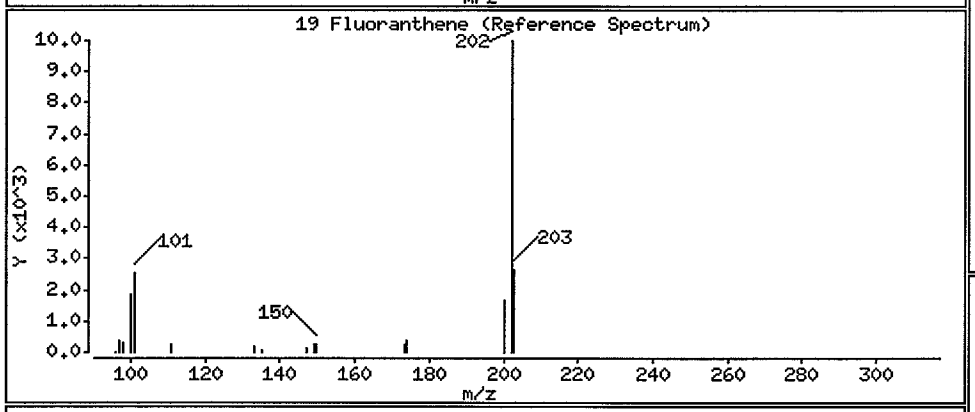
Column diameter: 0.25

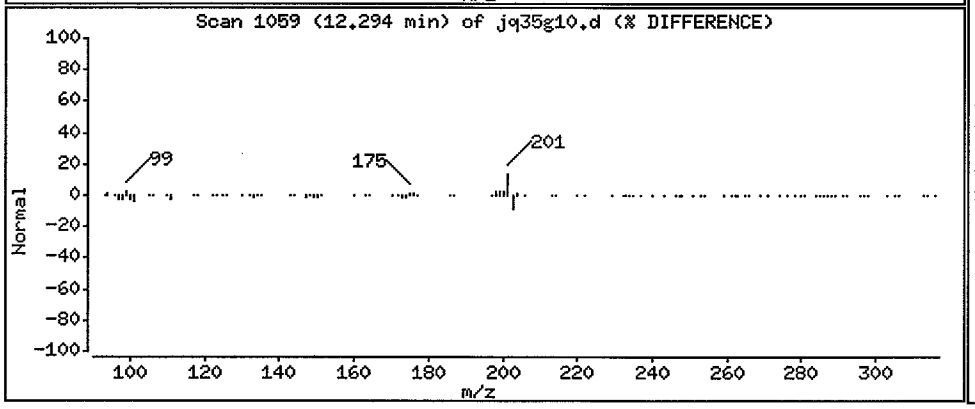
19 Fluoranthene

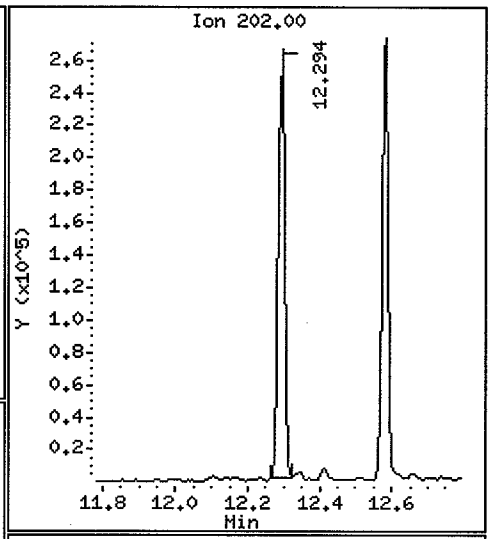
Concentration: 1050 ug/kg

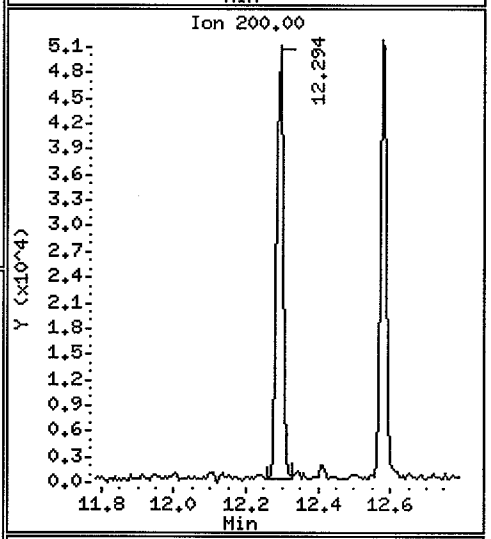


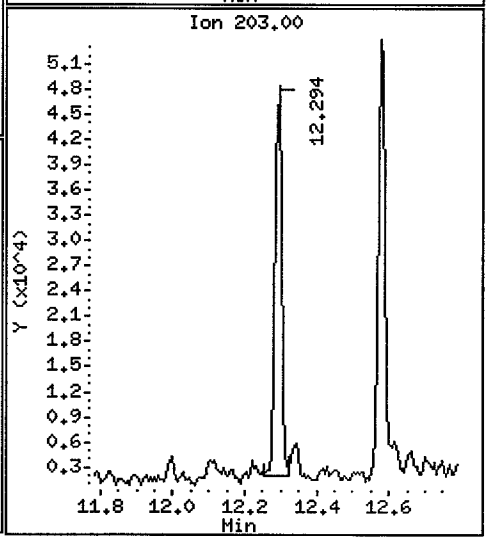












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

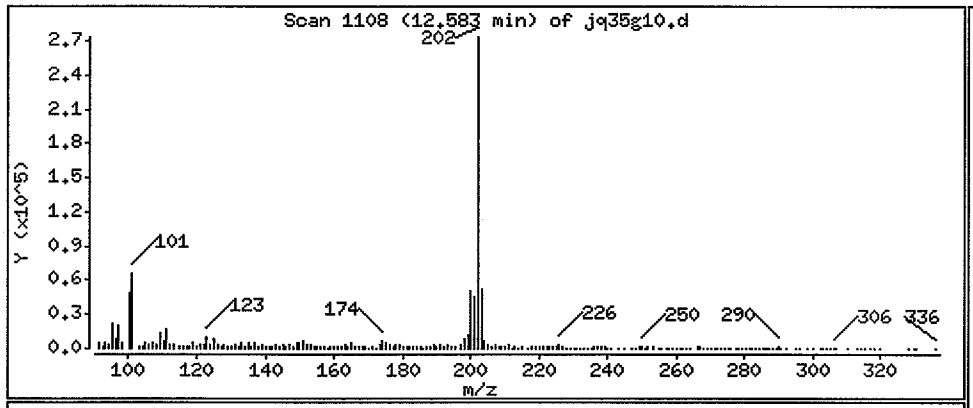
Operator: VTS

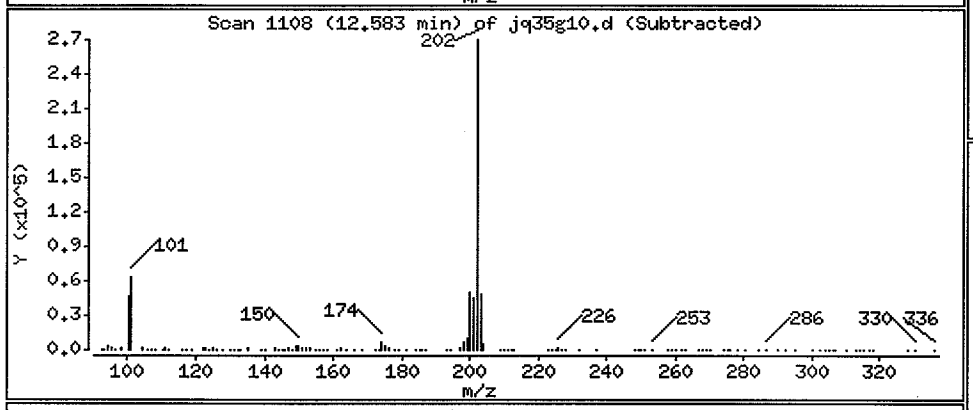
Column phase: ZB-5

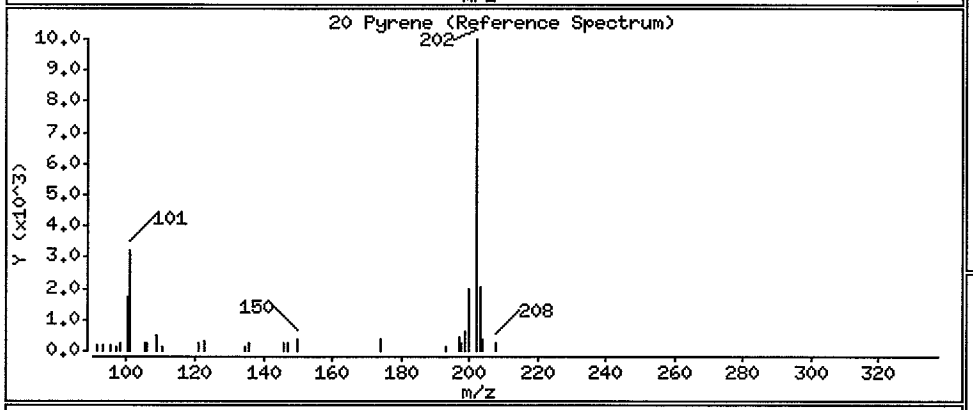
Column diameter: 0.25

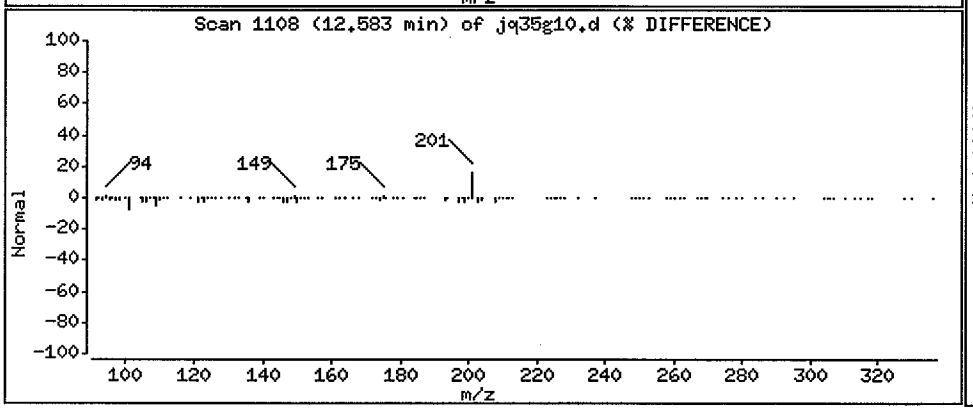
20 Pyrene

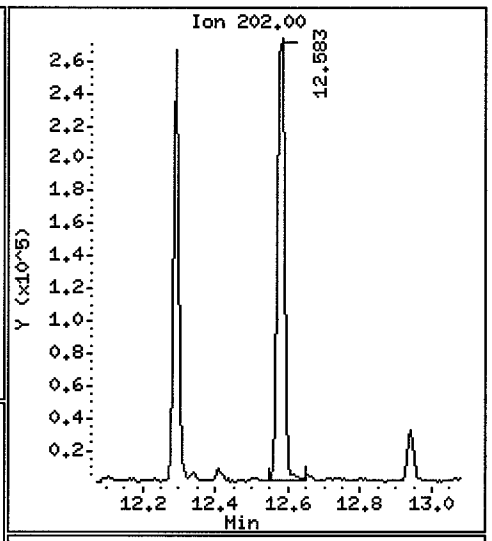
Concentration: 1198 ug/kg

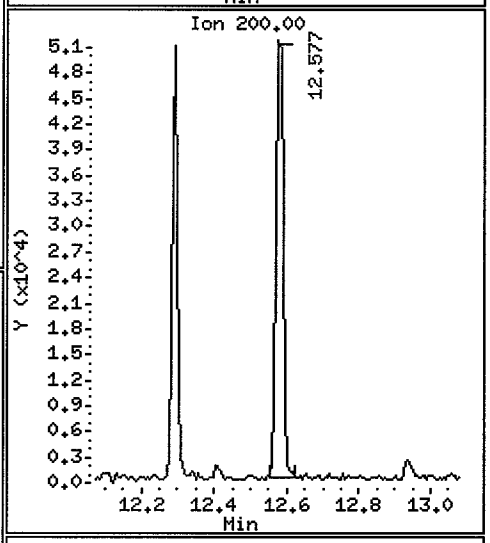


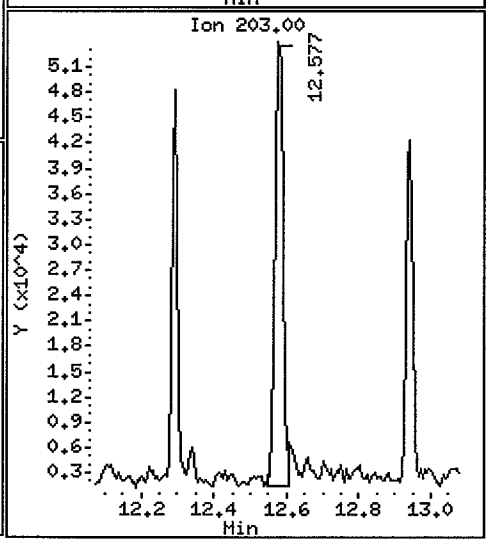












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

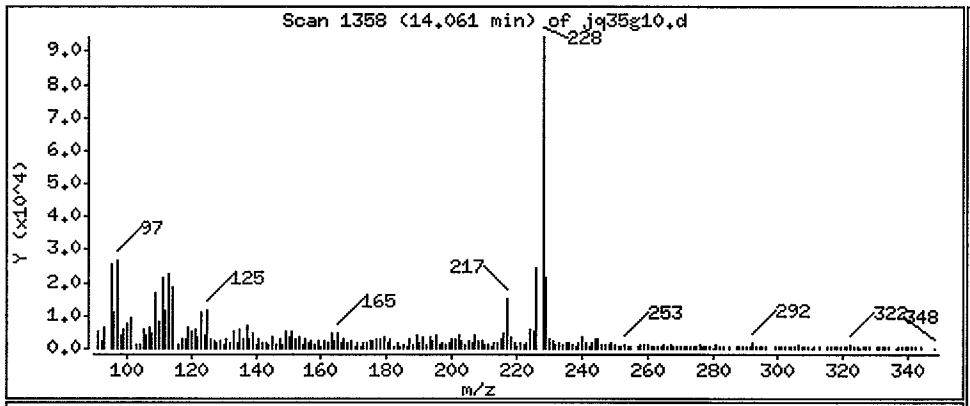
Operator: VTS

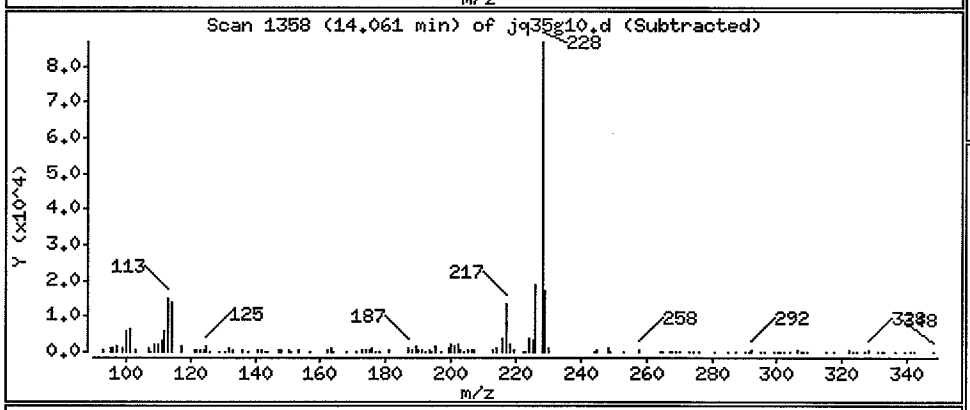
Column phase: ZB-5

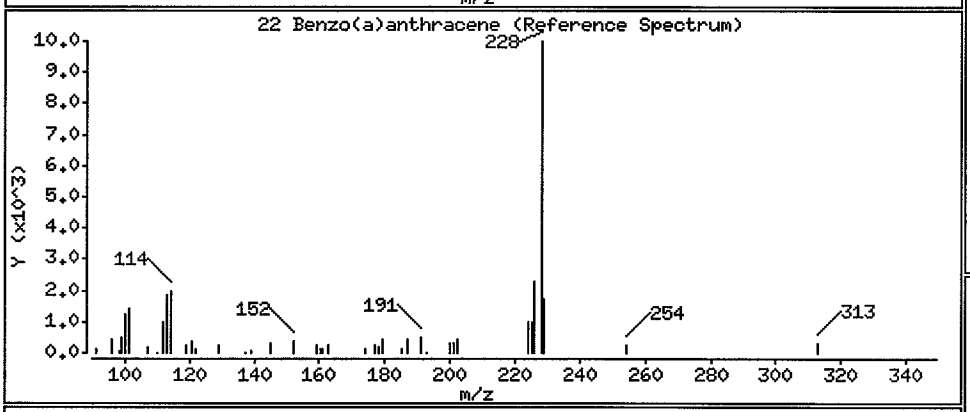
Column diameter: 0.25

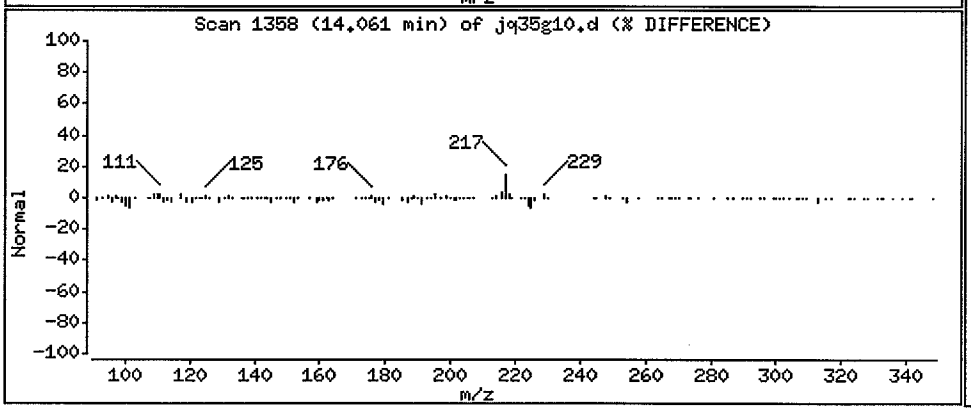
22 Benzo(a)anthracene

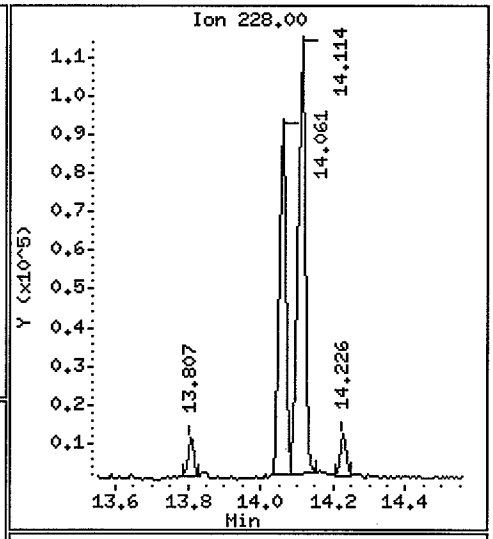
Concentration: 422.2 ug/kg

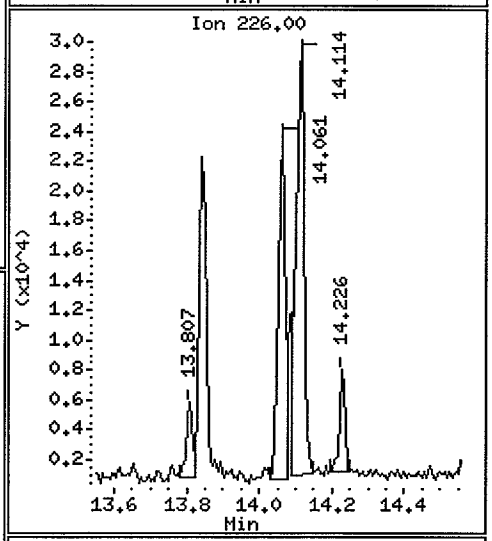


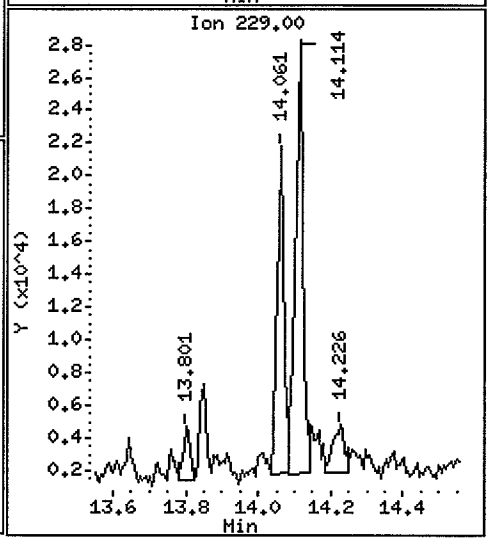












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

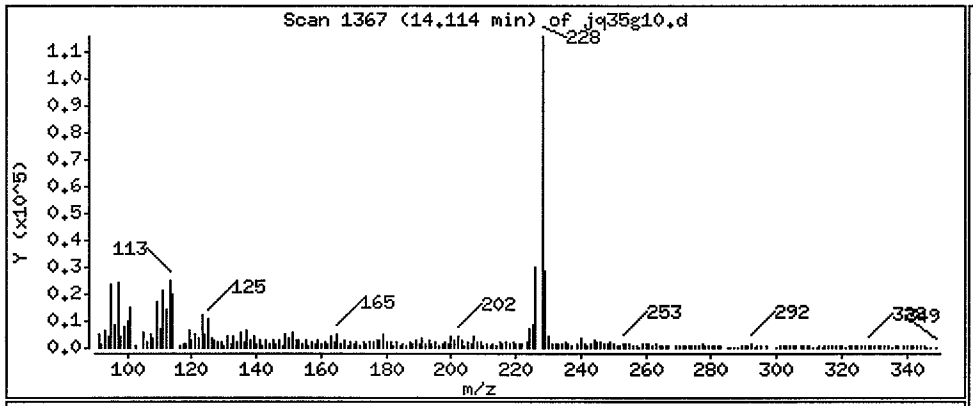
Operator: VTS

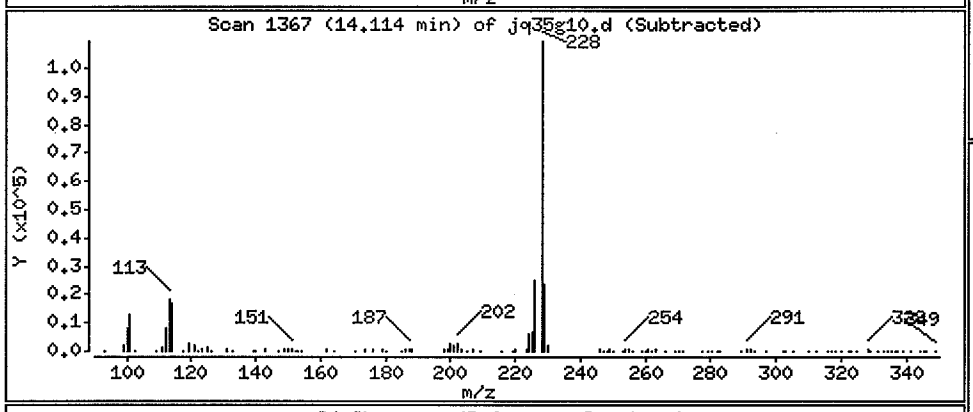
Column phase: ZB-5

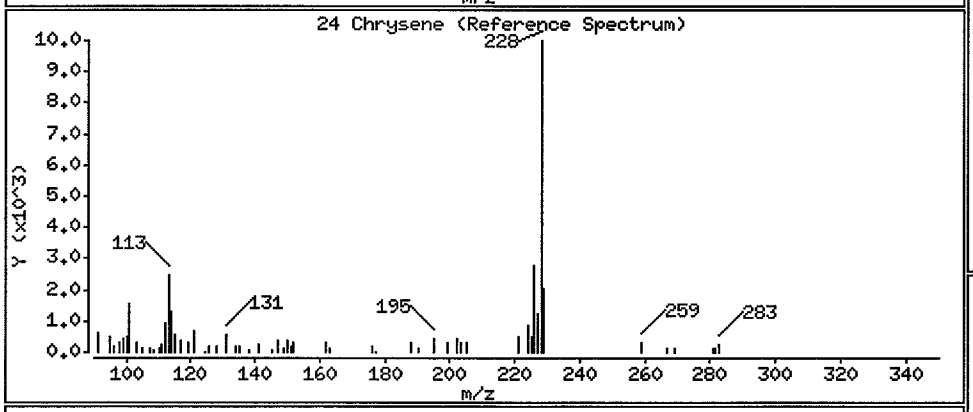
Column diameter: 0.25

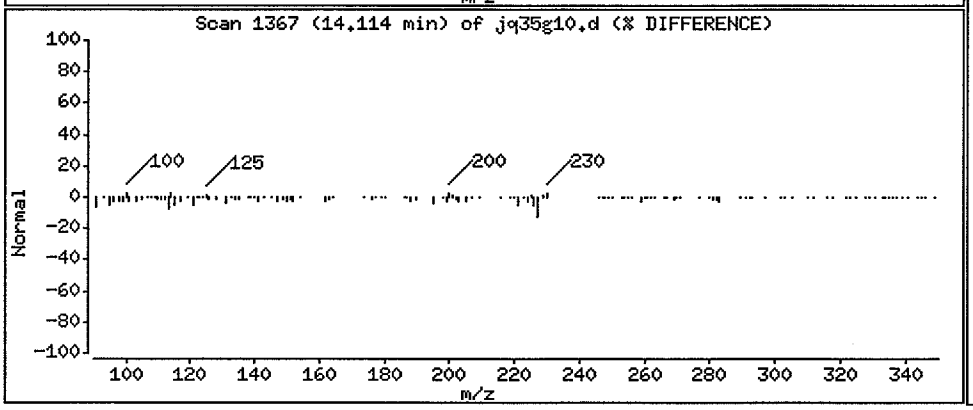
24 Chrysene

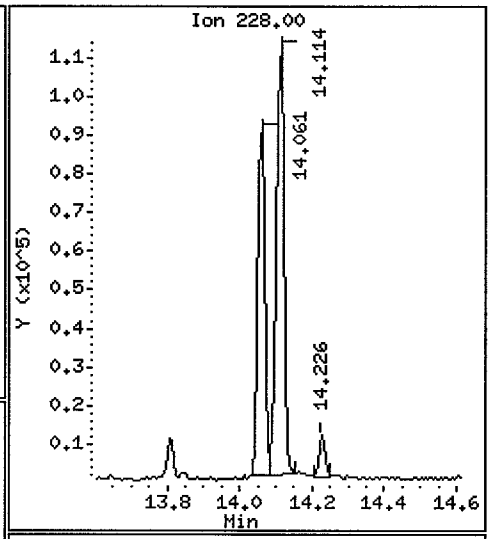
Concentration: 603.9 ug/kg

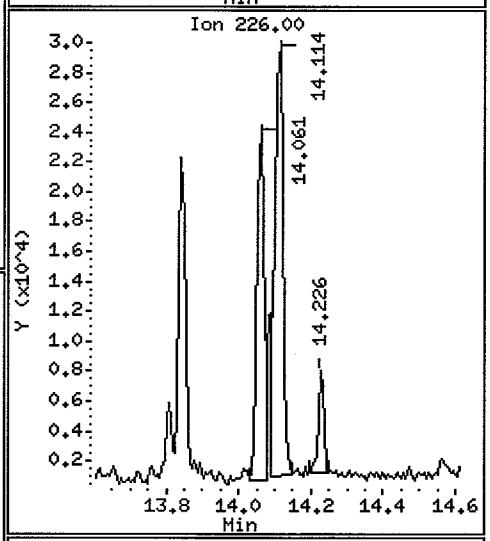


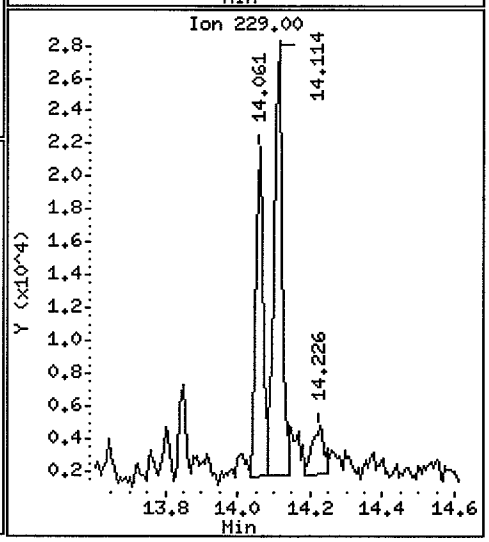












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

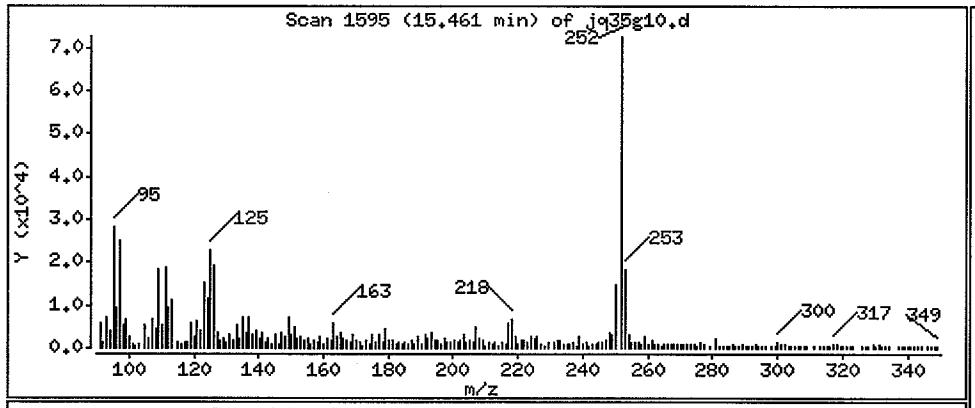
Operator: VTS

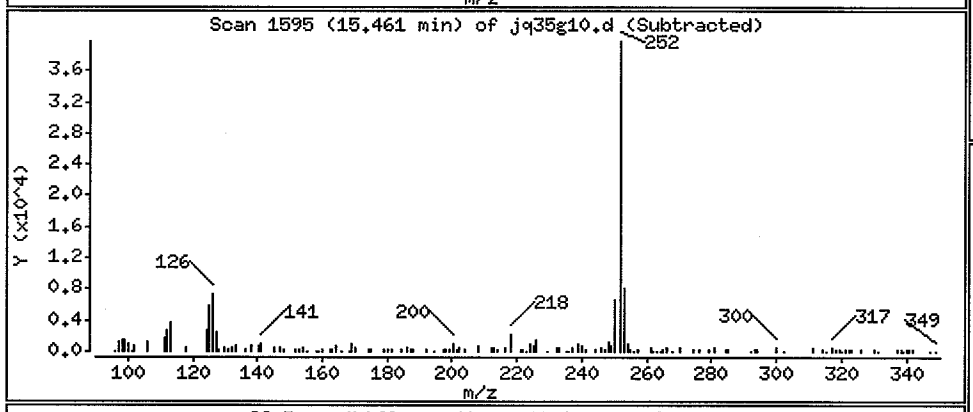
Column phase: ZB-5

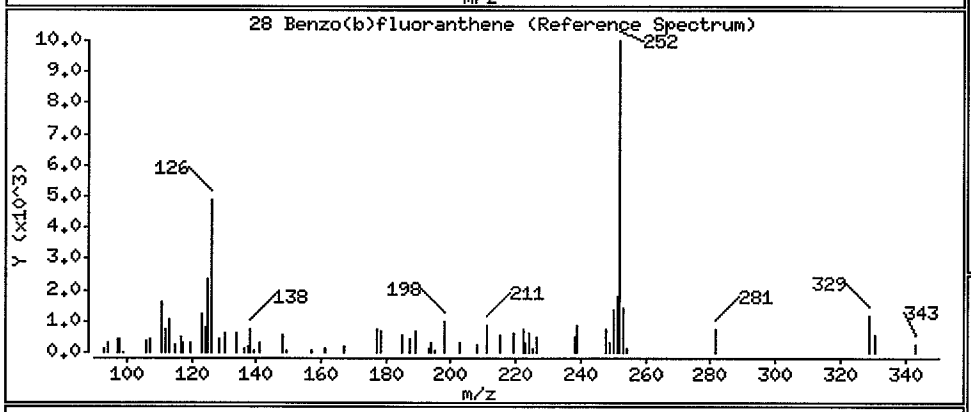
Column diameter: 0.25

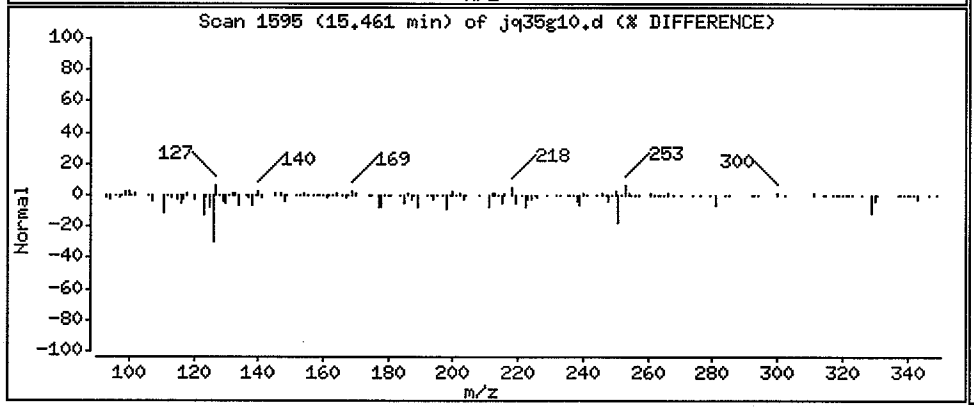
28 Benzo(b)fluoranthene

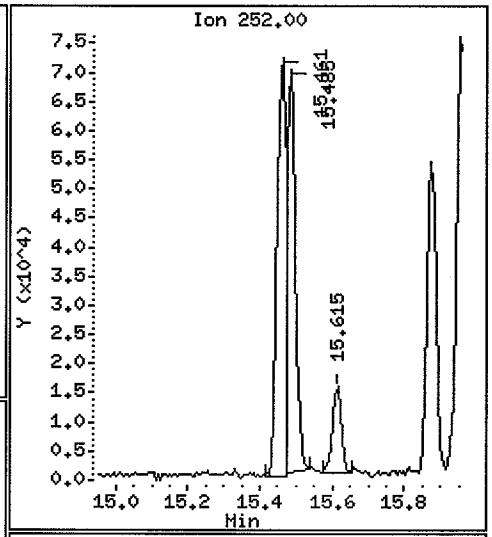
Concentration: 477.2 ug/kg

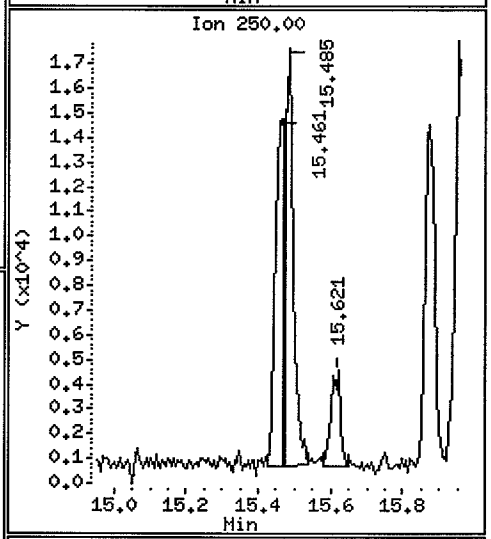


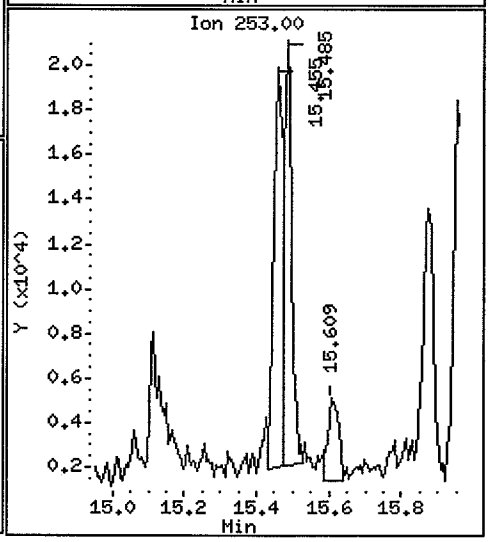












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

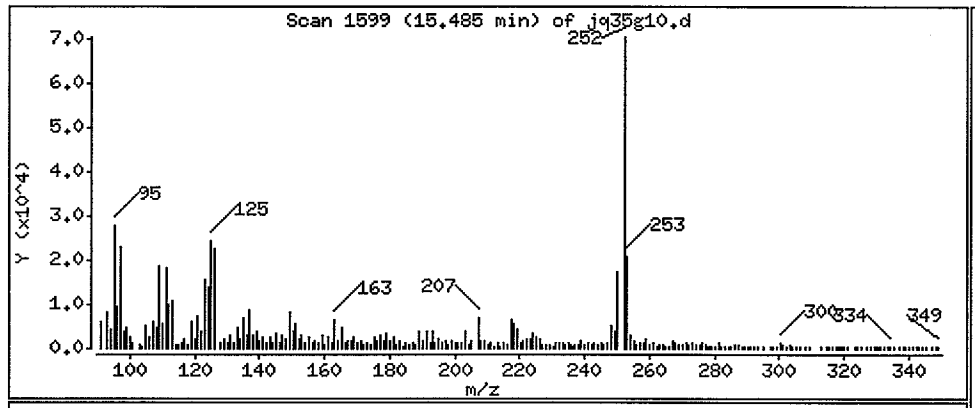
Operator: VTS

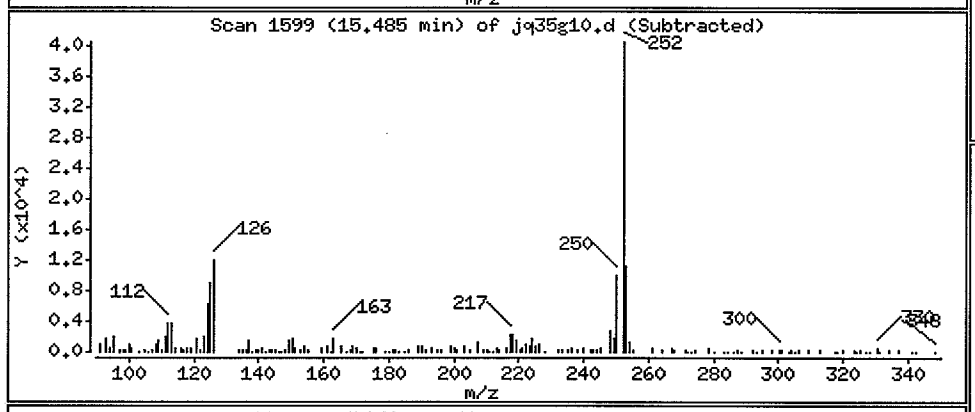
Column phase: ZB-5

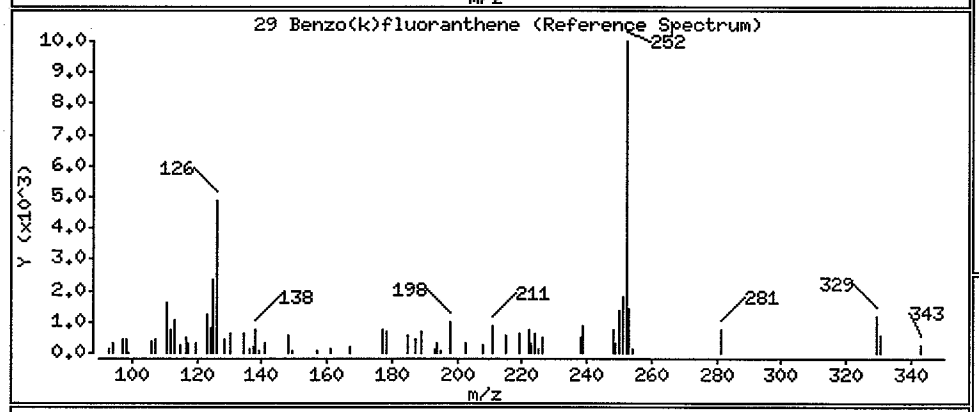
Column diameter: 0.25

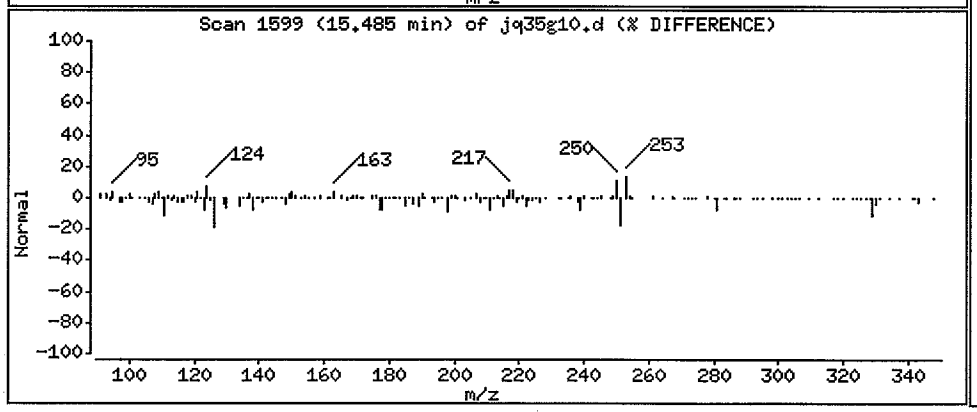
29 Benzo(k)fluoranthene

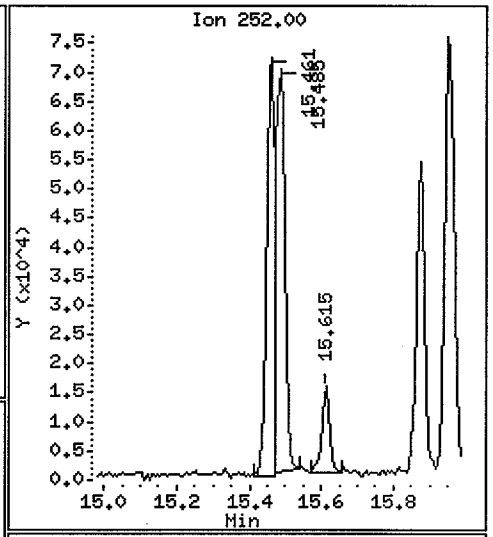
Concentration: 421.2 ug/kg

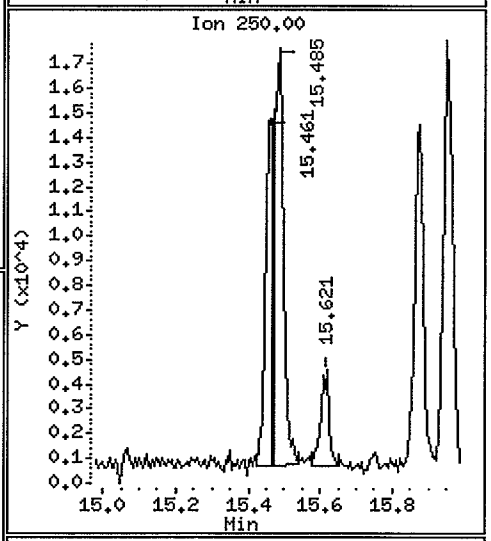


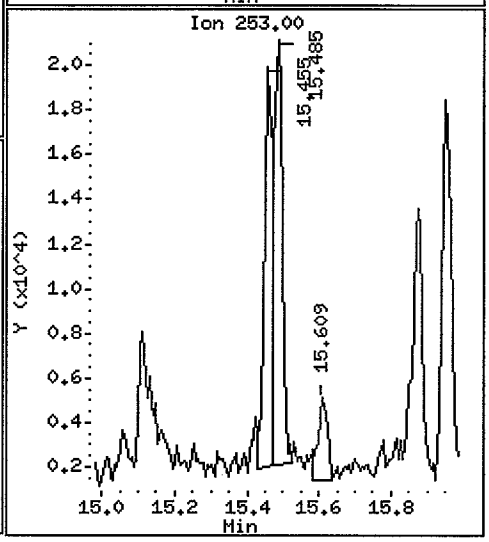












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

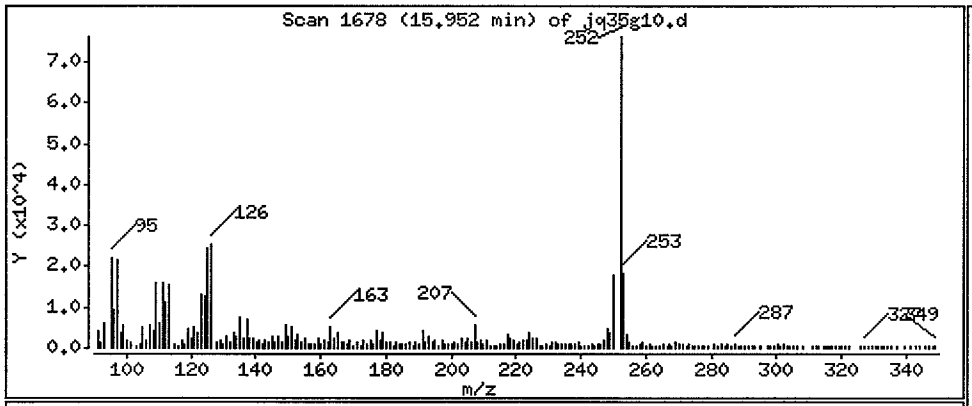
Operator: VTS

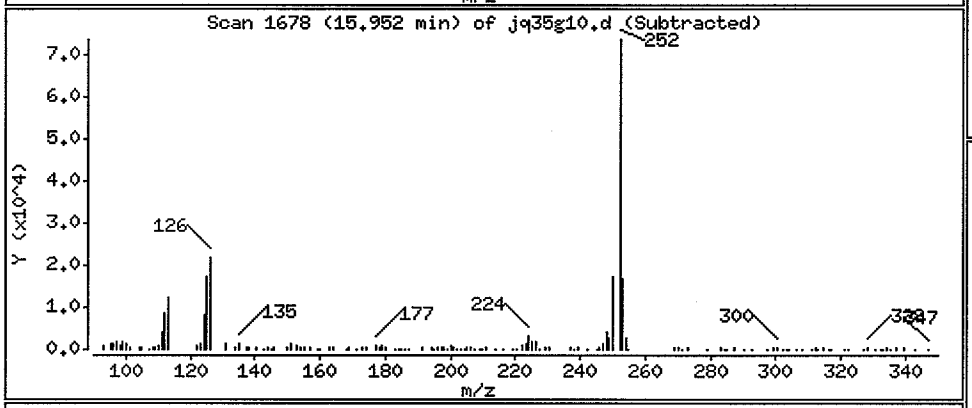
Column phase: ZB-5

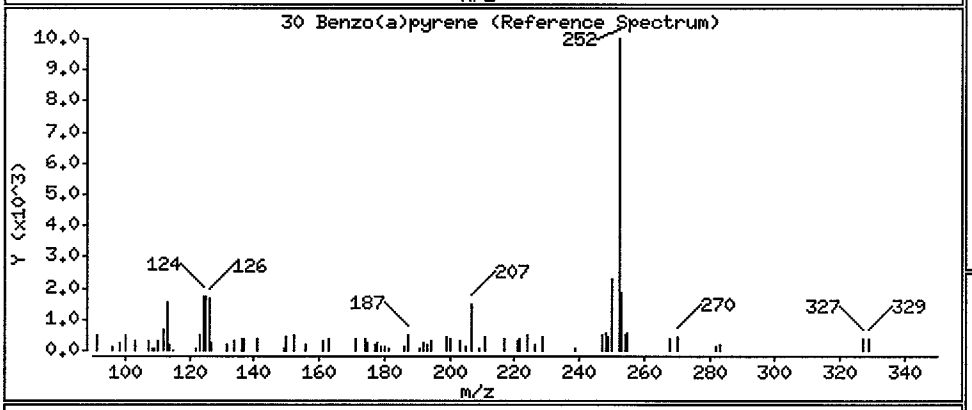
Column diameter: 0.25

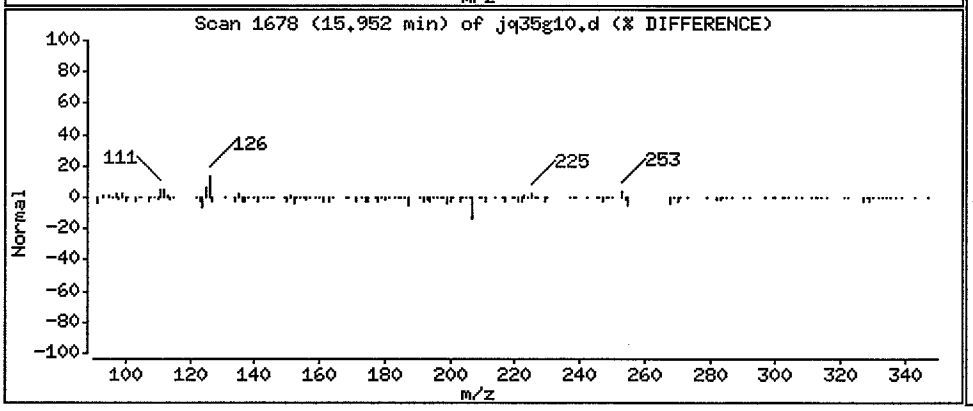
30 Benzo(a)pyrene

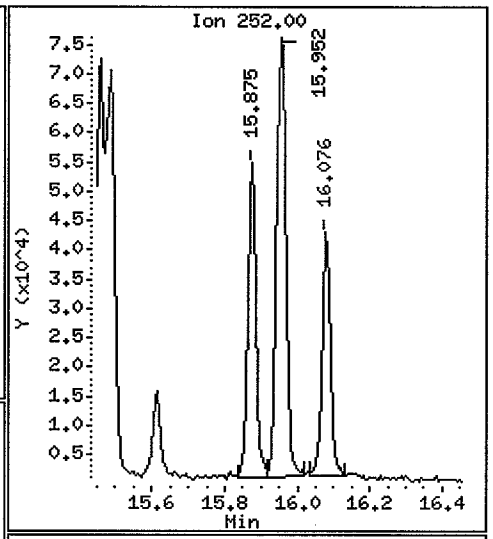
Concentration: 516.0 ug/kg

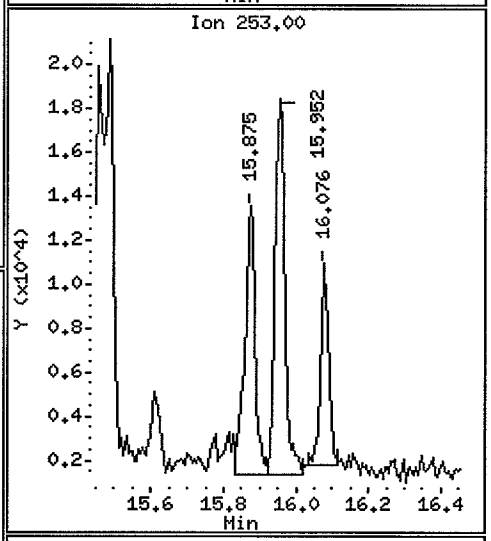


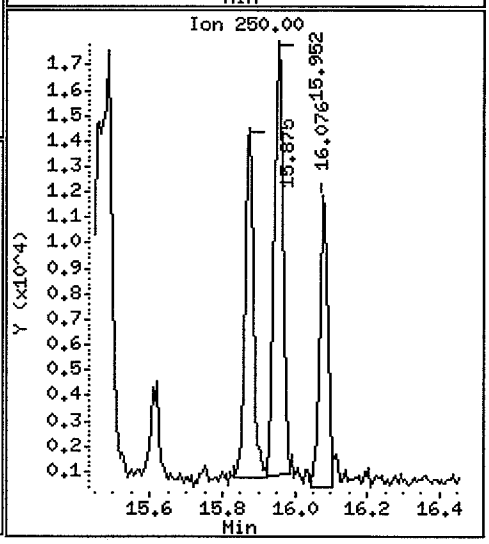












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

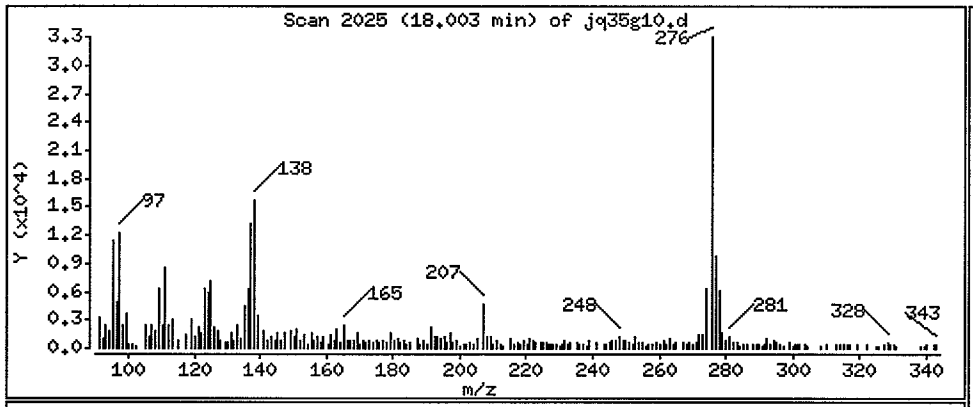
Operator: VTS

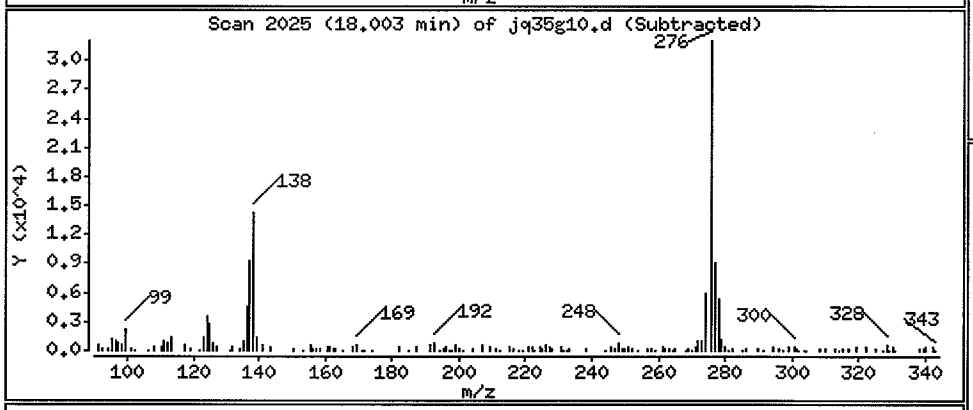
Column phase: ZB-5

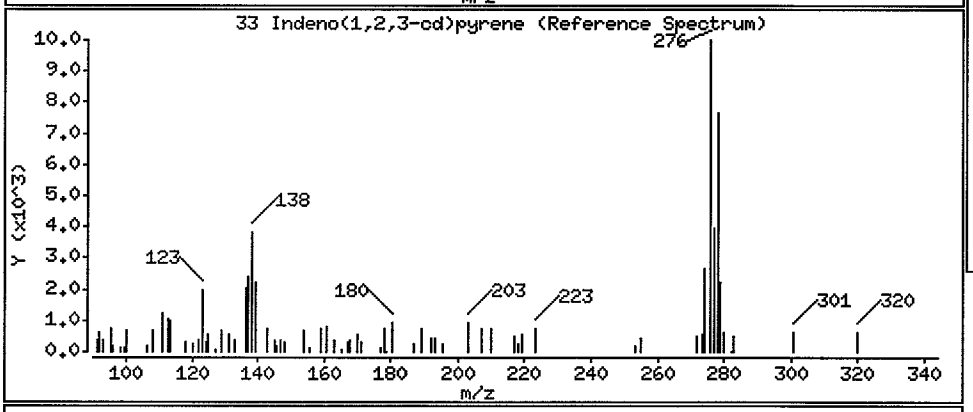
Column diameter: 0.25

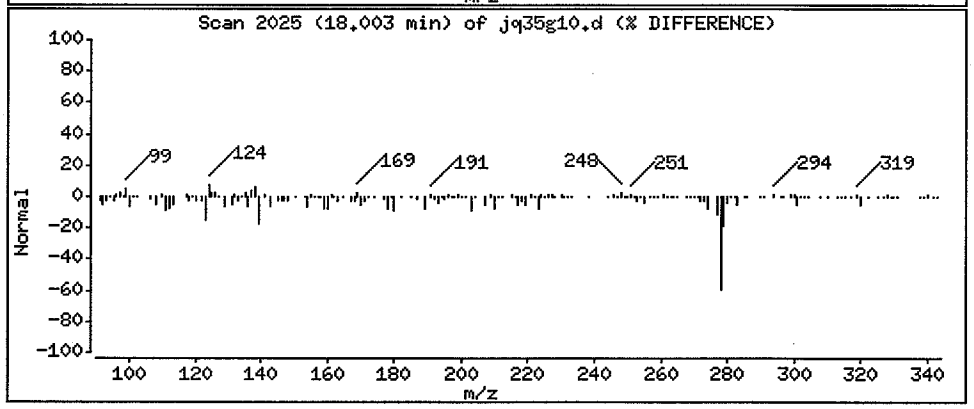
33 Indeno(1,2,3-cd)pyrene

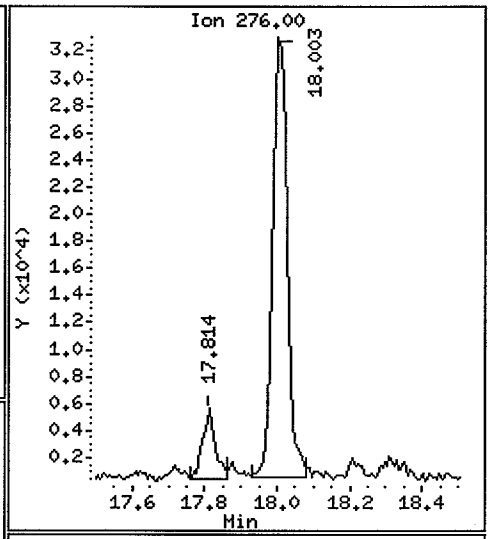
Concentration: 308.9 ug/kg

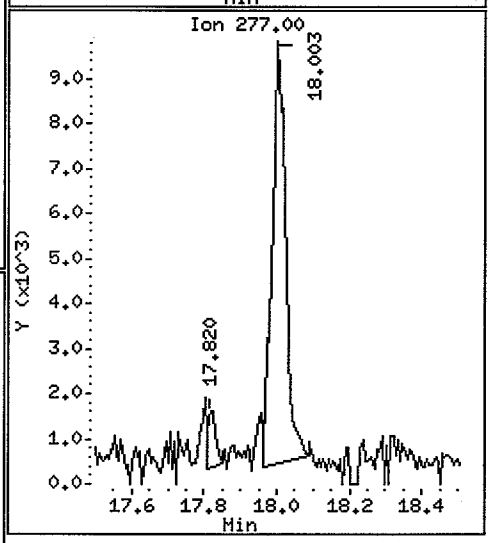












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

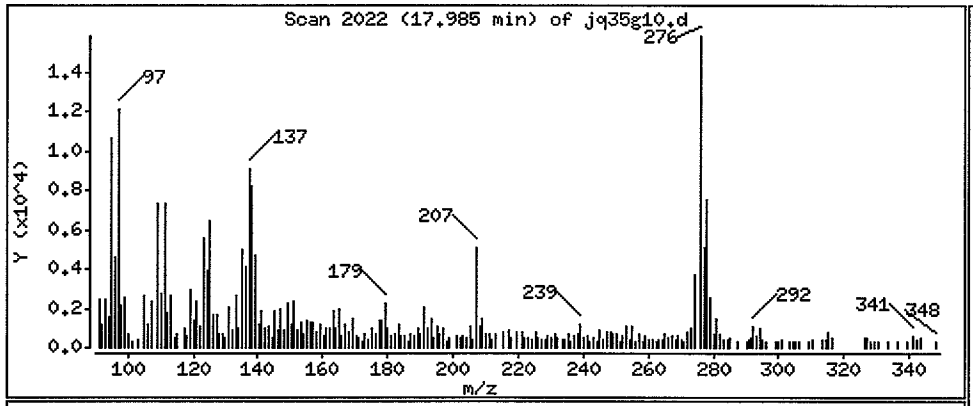
Operator: VTS

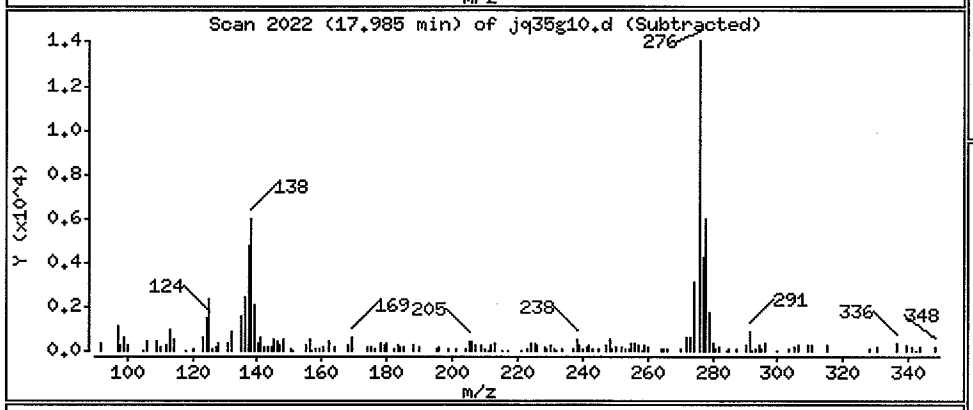
Column phase: ZB-5

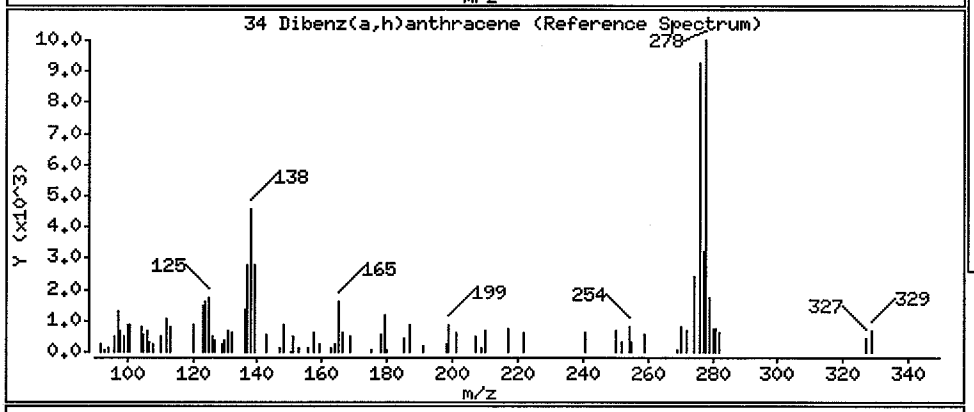
Column diameter: 0.25

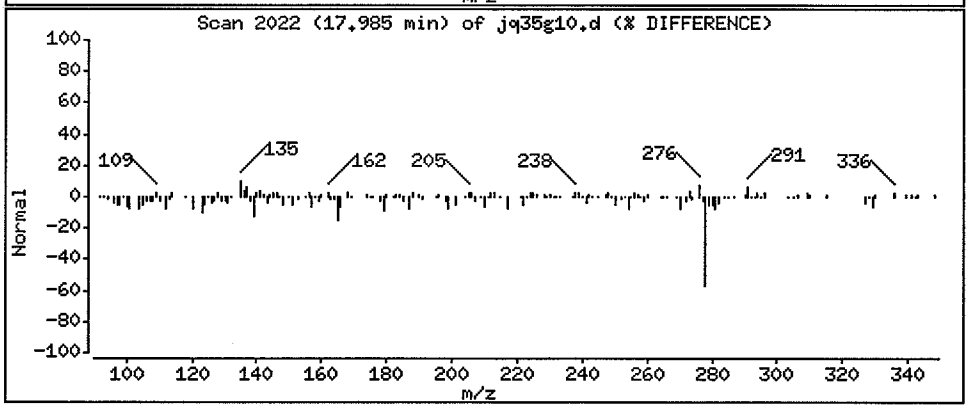
34 Dibenz(a,h)anthracene

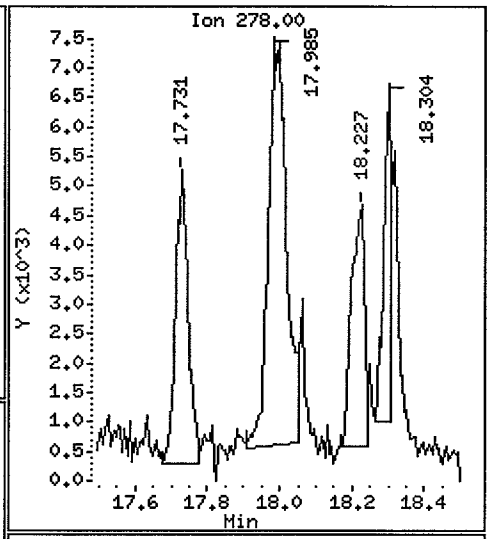
Concentration: 99.95 ug/kg

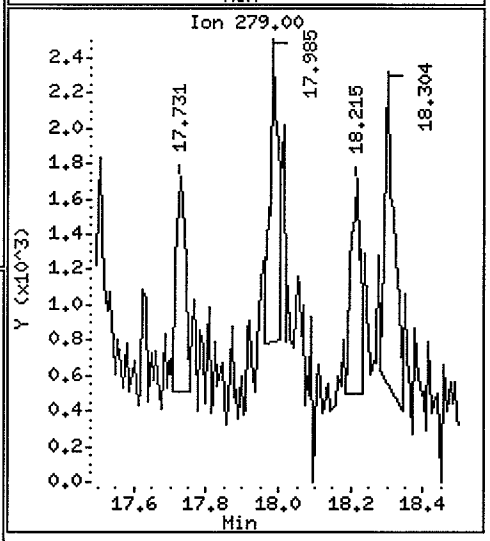












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

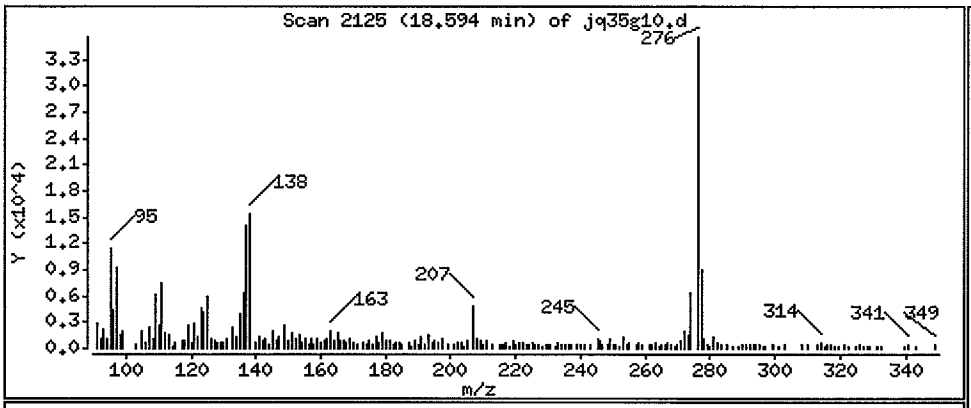
Operator: VTS

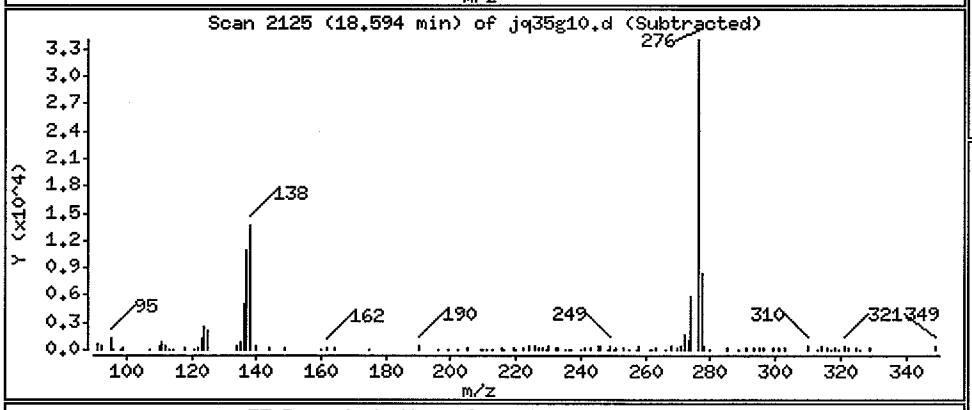
Column phase: ZB-5

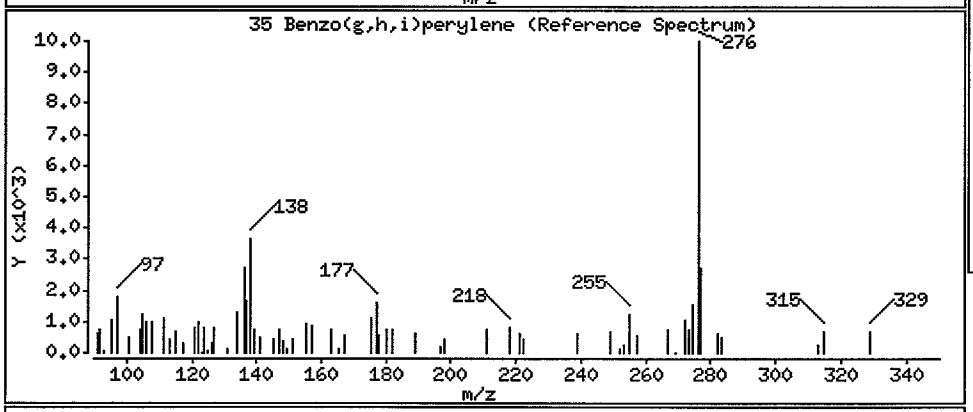
Column diameter: 0.25

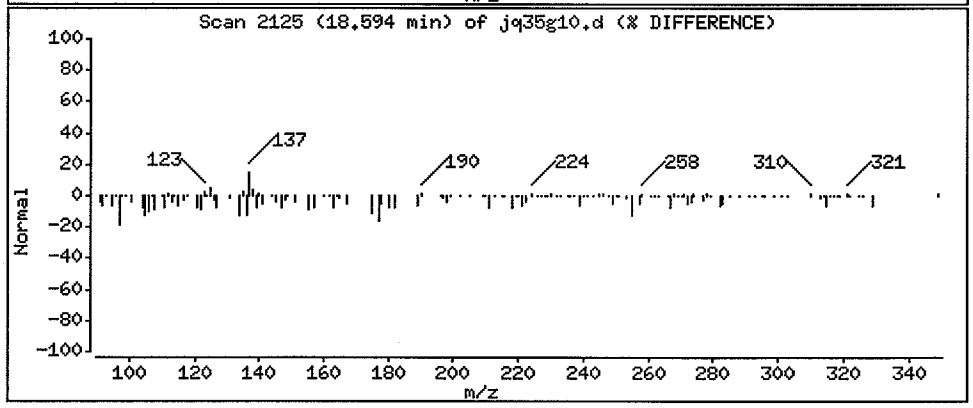
35 Benzo(g,h,i)perylene

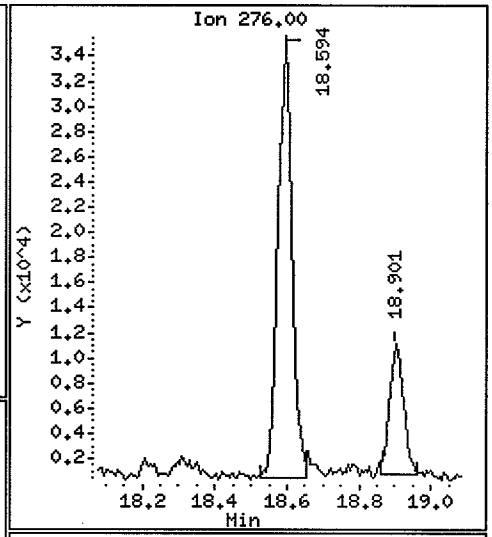
Concentration: 392.9 ug/kg

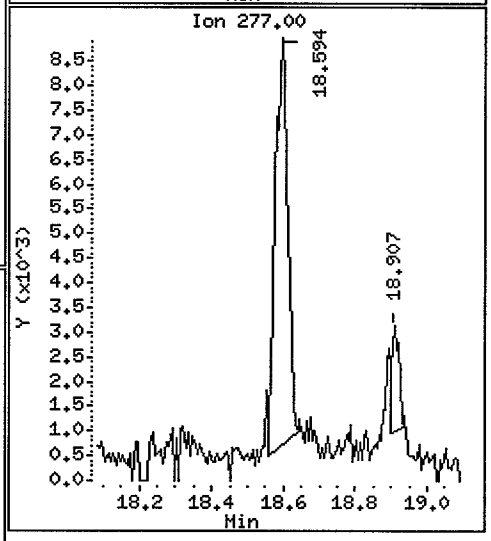












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

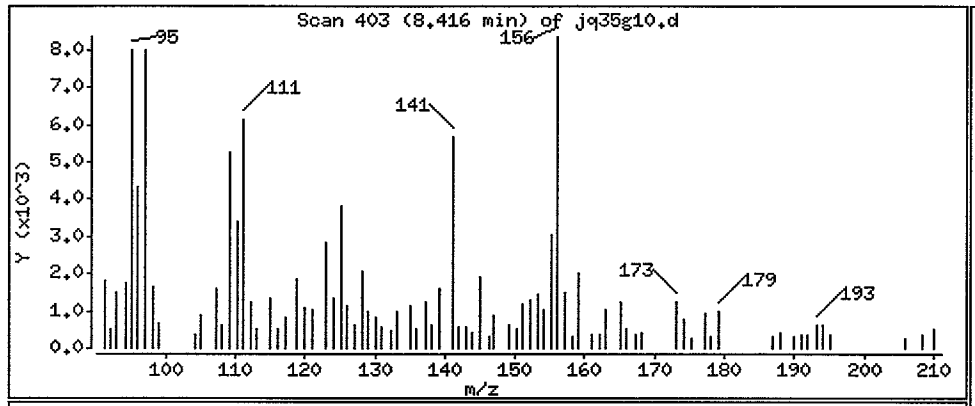
Operator: VTS

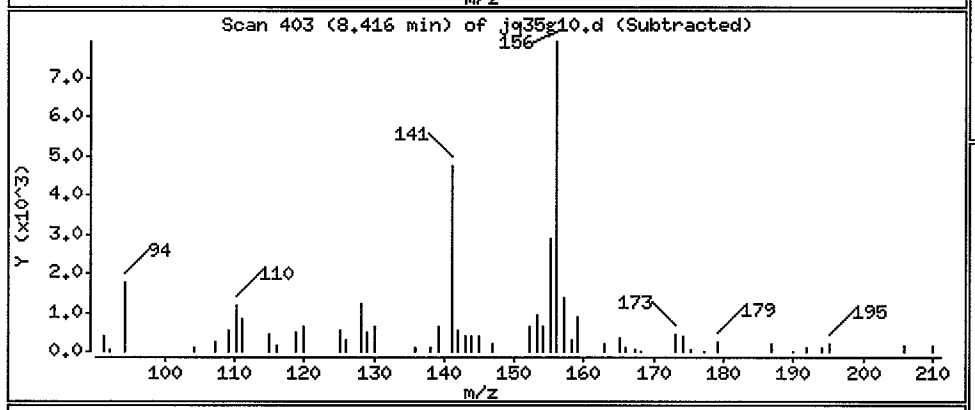
Column phase: ZB-5

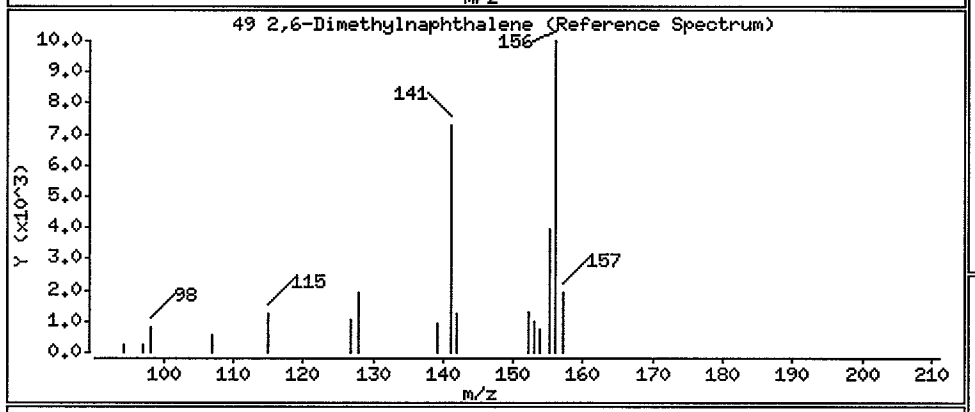
Column diameter: 0.25

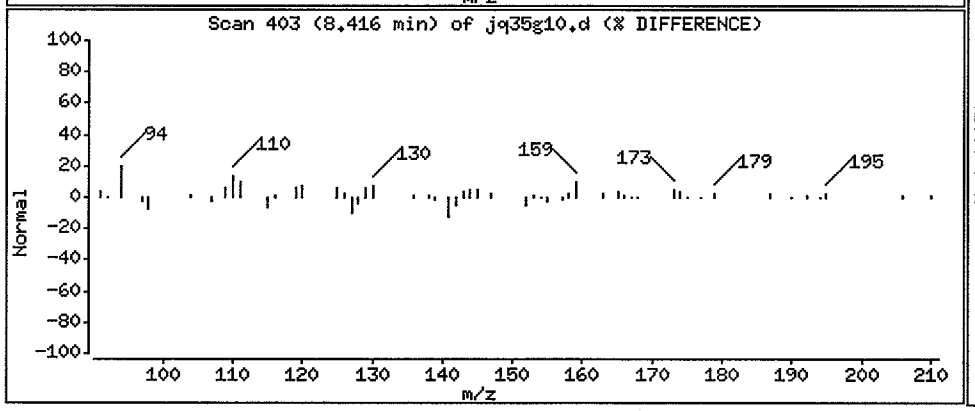
49 2,6-Dimethylnaphthalene

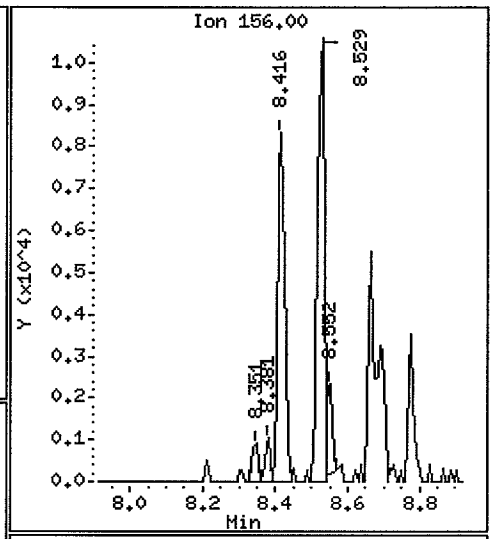
Concentration: 65.40 ug/kg

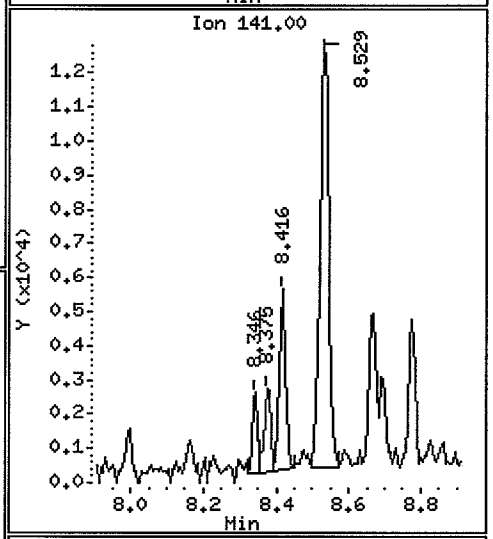


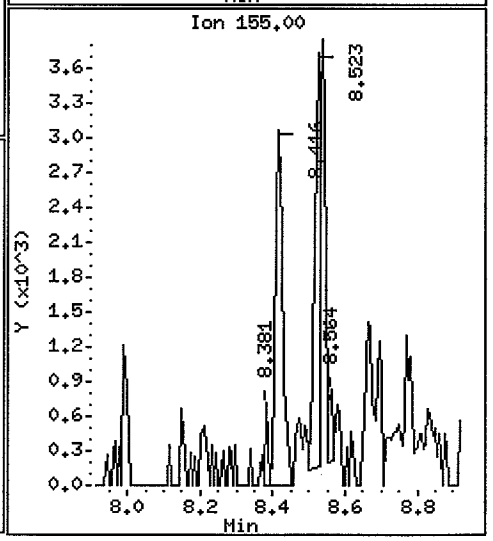












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

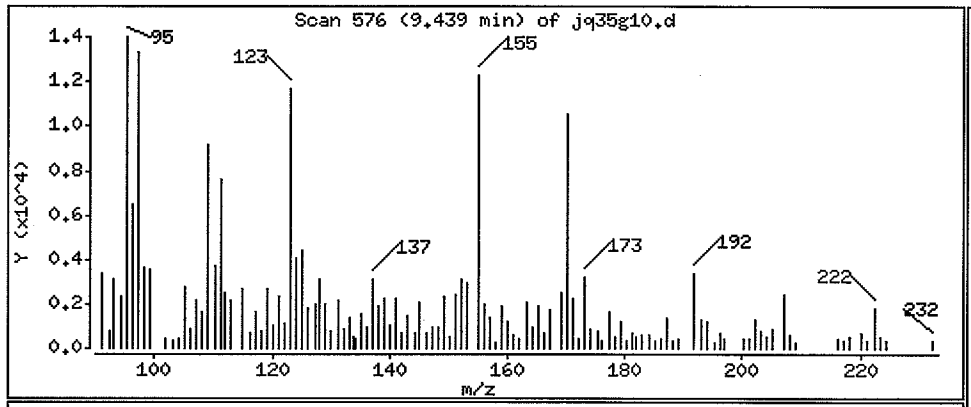
Operator: VTS

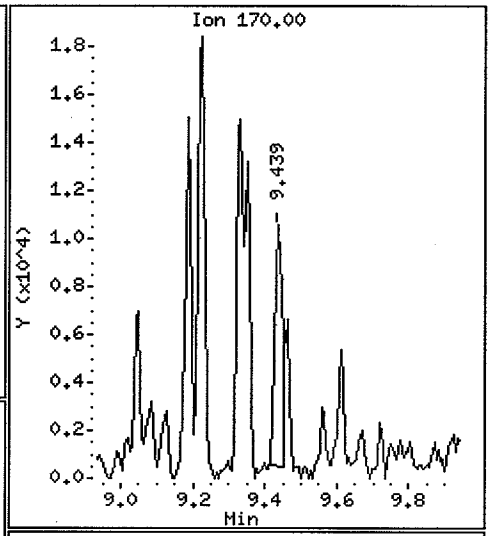
Column phase: ZB-5

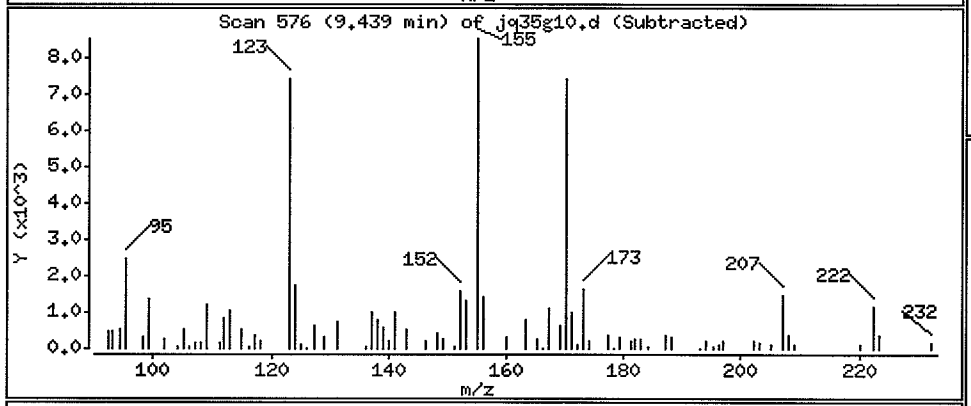
Column diameter: 0.25

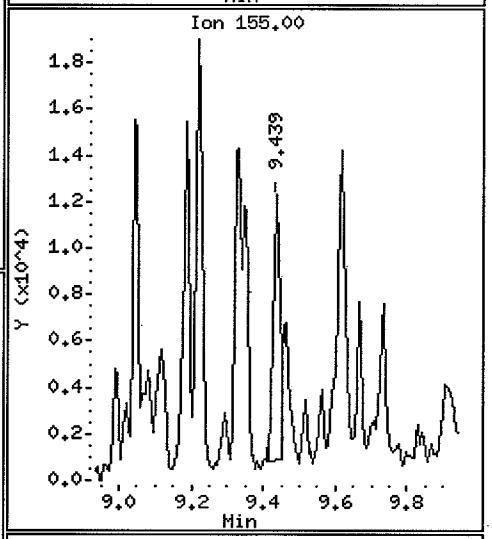
50 2,3,5-Trimethylnaphthalene

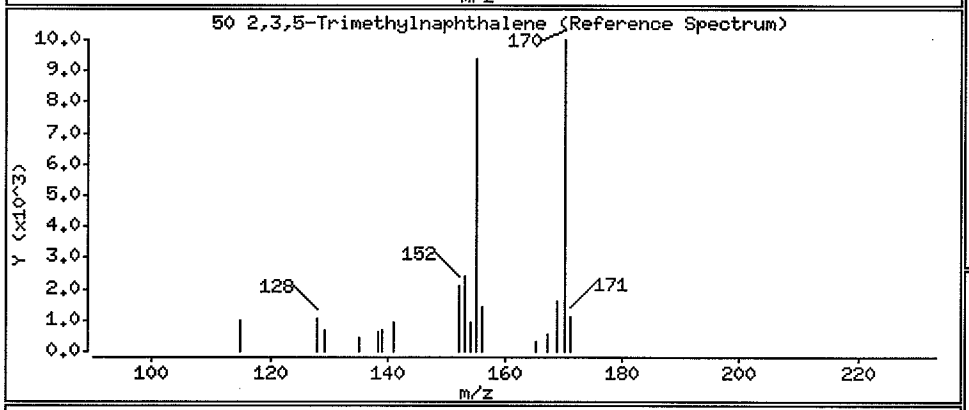
Concentration: 106.7 ug/kg

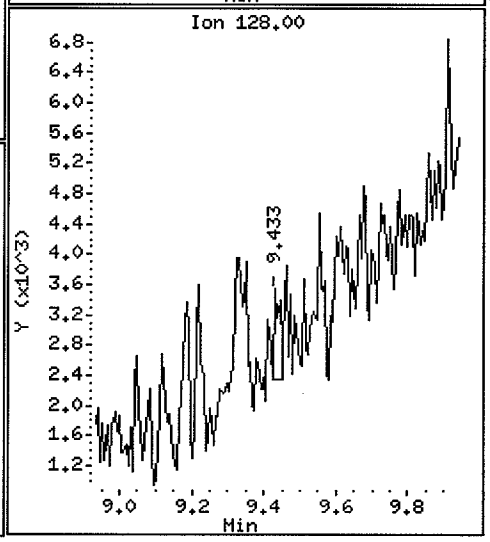


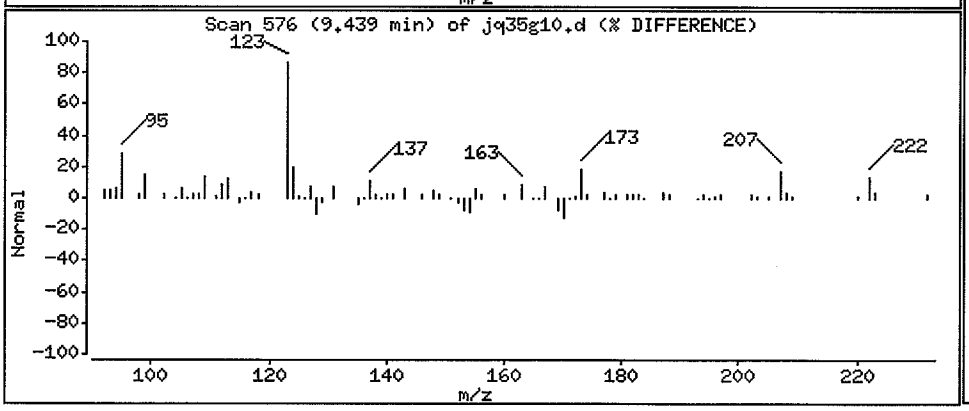












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

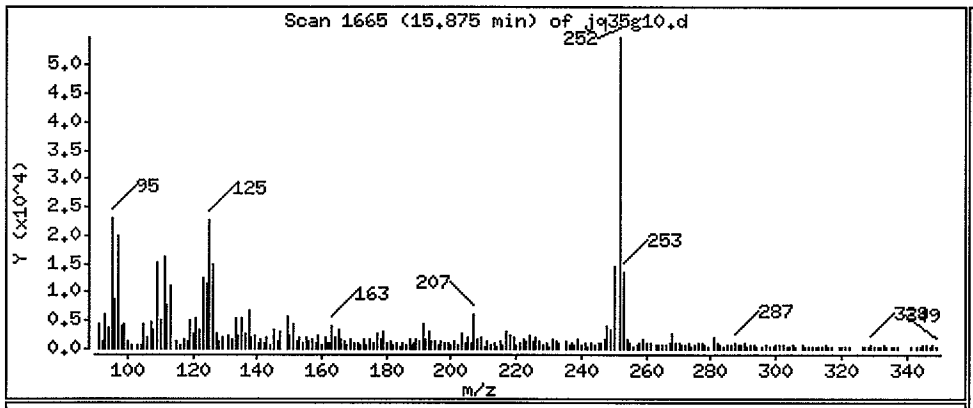
Operator: VTS

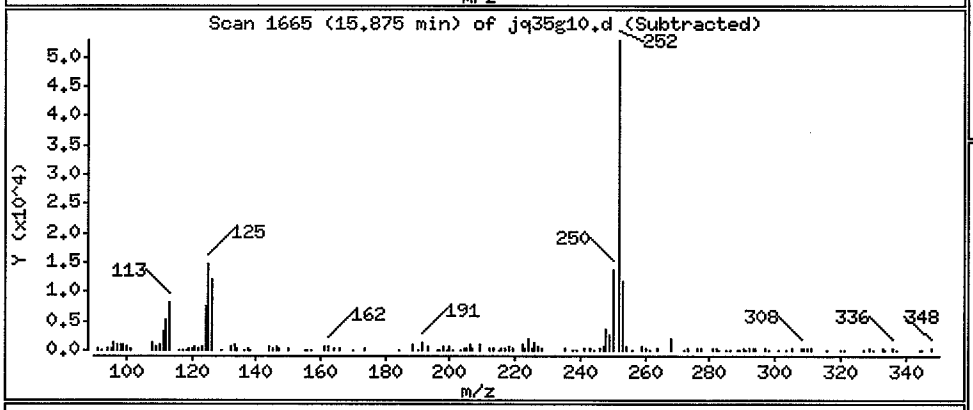
Column phase: ZB-5

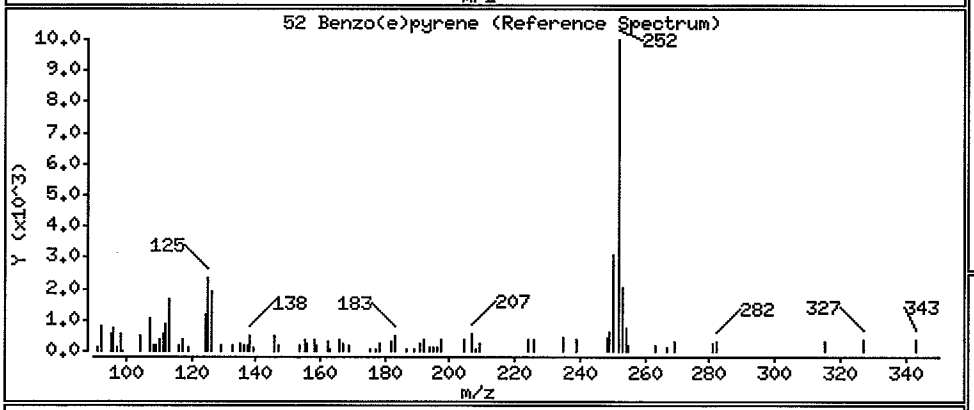
Column diameter: 0.25

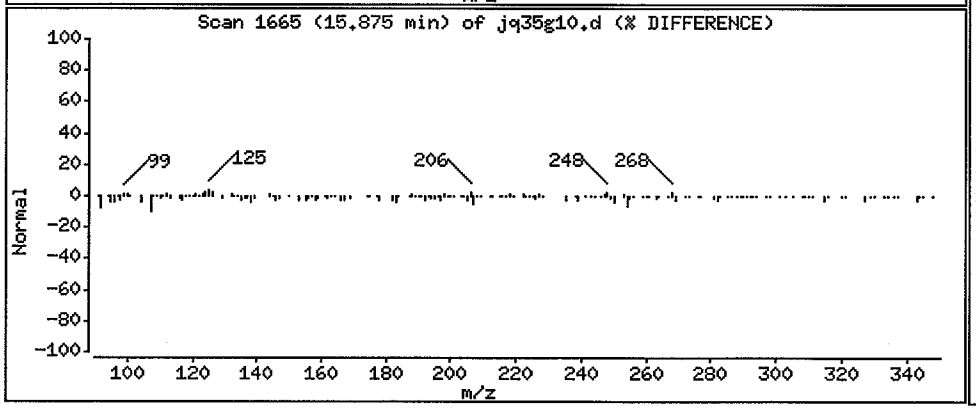
52 Benzo(e)pyrene

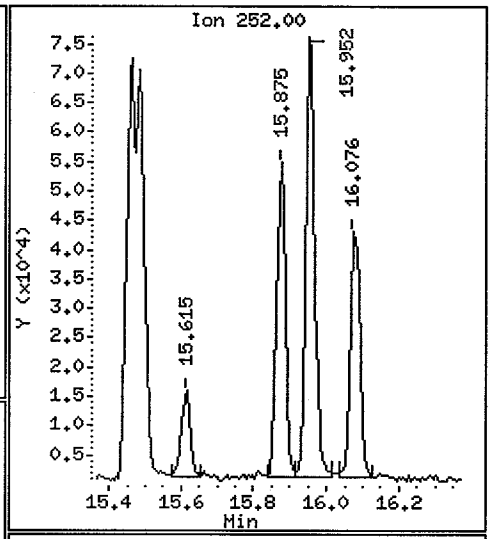
Concentration: 319.2 ug/kg

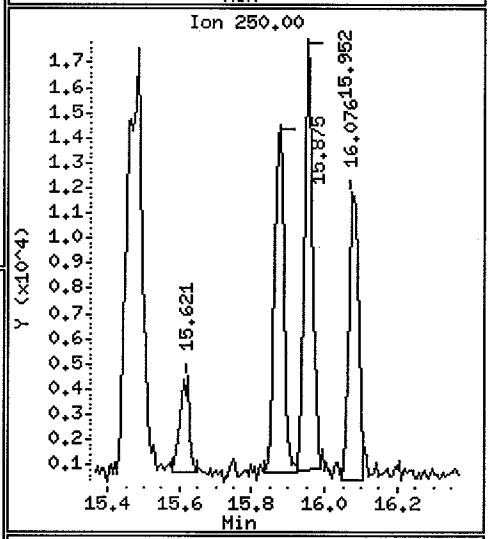


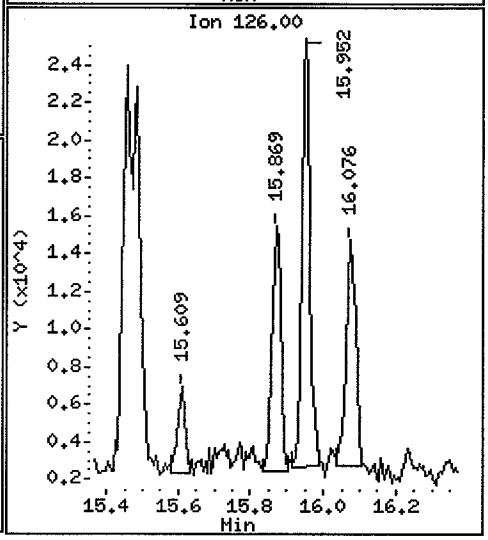












Data File: /chem3/nt1.i/20060807.b/jq35g10.d

Date : 07-AUG-2006 14:59

Client ID: T4-S3-03-D

Instrument: nt1.i

Sample Info: JQ35G,10

Volume Injected (uL): 1.0

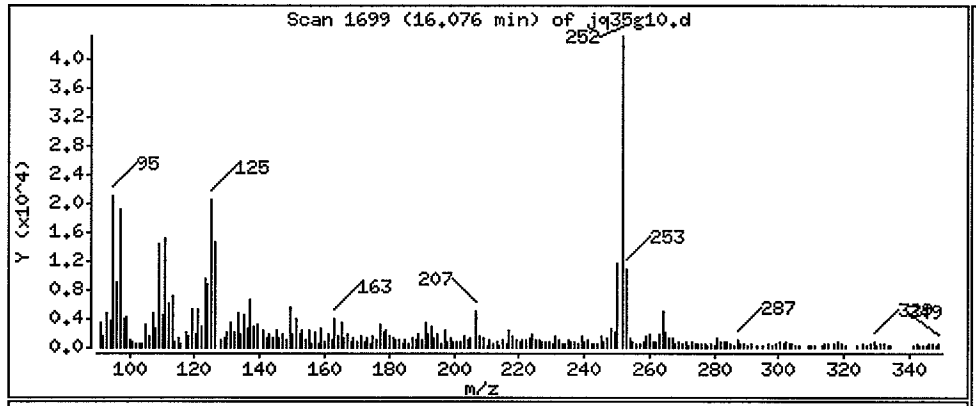
Operator: VTS

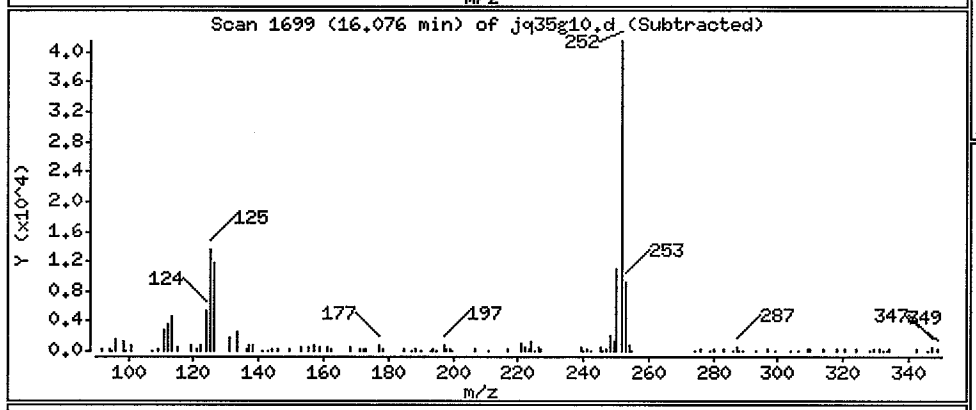
Column phase: ZB-5

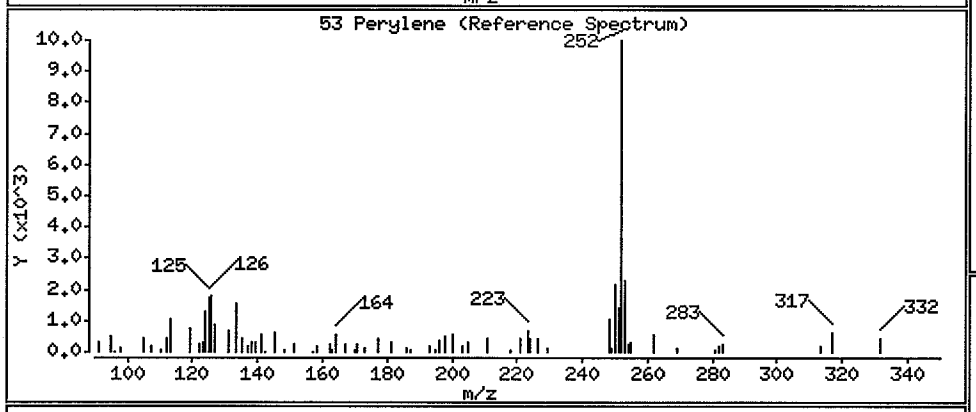
Column diameter: 0.25

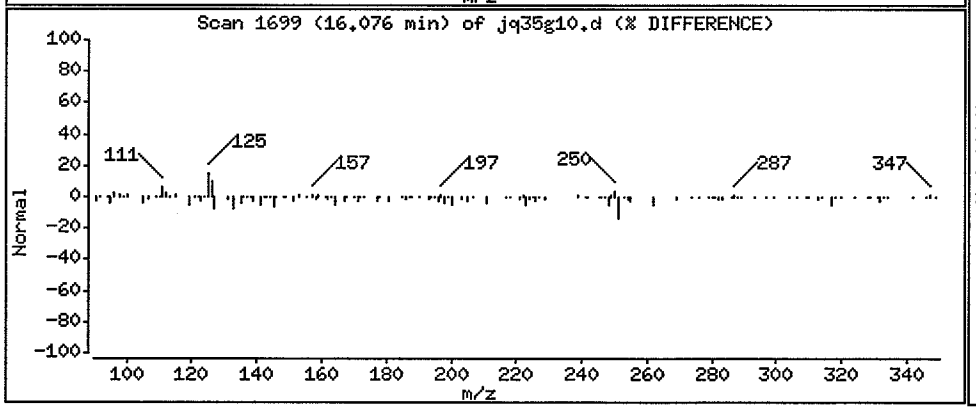
53 Perylene

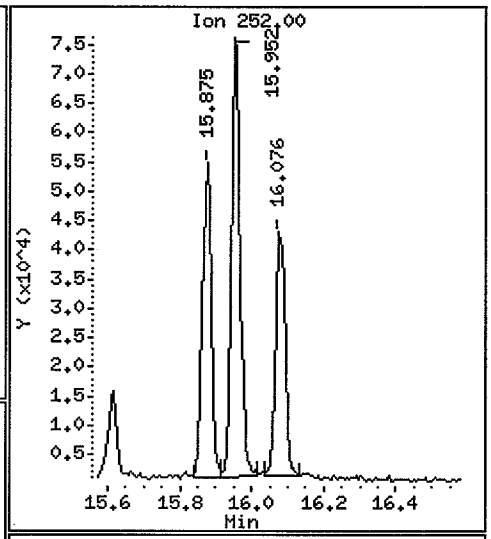
Concentration: 275.7 ug/kg

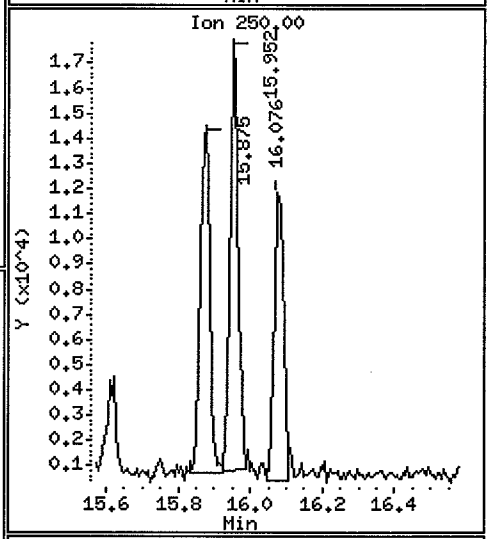


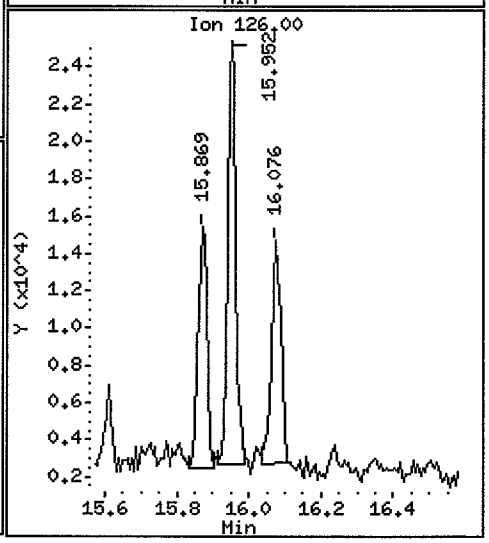






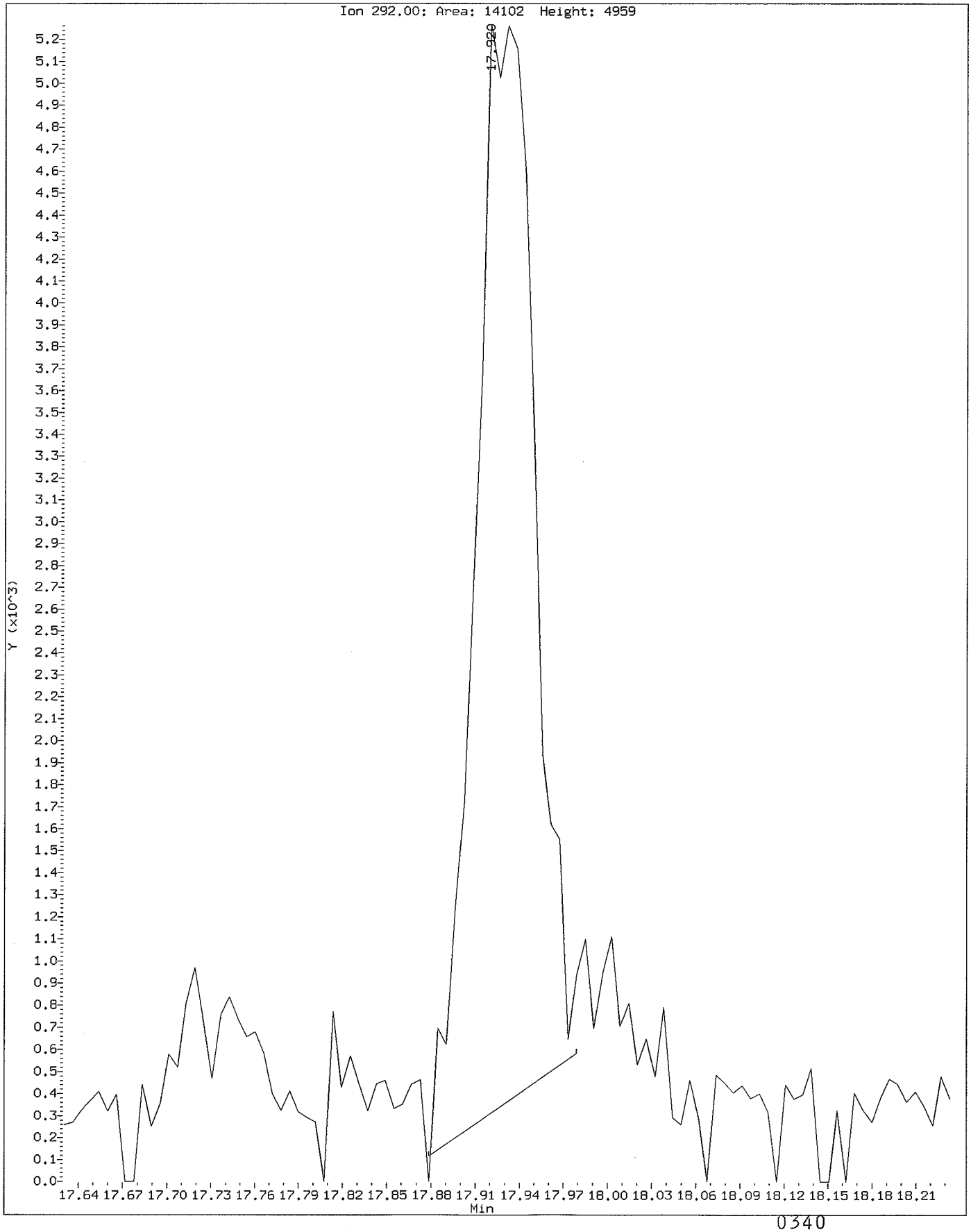






Data File: /chem3/nt1.i/20060807.b/jq35g10.d
Injection Date: 07-AUG-2006 14:59
Instrument: nt1.i
Client Sample ID: T4-S3-03-D

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



ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-05-E
SAMPLE

Lab Sample ID: JQ35H
LIMS ID: 06-12963
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/08/06 10:42
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: 47.7%
pH: 6.4

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**98**	**150**
91-57-6	2-Methylnaphthalene	98	< 98 U
90-12-0	1-Methylnaphthalene	98	< 98 U
208-96-8	Acenaphthylene	98	< 98 U
83-32-9	**Acenaphthene**	**98**	**710**
86-73-7	**Fluorene**	**98**	**340**
85-01-8	**Phenanthrene**	**98**	**2,900**
120-12-7	**Anthracene**	**98**	**650**
206-44-0	**Fluoranthene**	**98**	**6,400**
129-00-0	**Pyrene**	**98**	**6,200**
56-55-3	**Benzo(a)anthracene**	**98**	**3,800**
218-01-9	**Chrysene**	**98**	**4,500**
205-99-2	**Benzo(b)fluoranthene**	**98**	**5,000**
207-08-9	**Benzo(k)fluoranthene**	**98**	**3,900**
50-32-8	**Benzo(a)pyrene**	**98**	**5,200**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**98**	**3,200**
53-70-3	**Dibenz(a,h)anthracene**	**98**	**1,100**
191-24-2	**Benzo(g,h,i)perylene**	**98**	**3,800**
198-55-0	**Perylene**	**98**	**1,500**
92-52-4	Biphenyl	98	< 98 U
581-42-0	2,6-Dimethylnaphthalene	98	< 98 U
832-69-9	**1-Methylphenanthrene**	**98**	**220**
192-97-2	**Benzo(e)pyrene**	**98**	**3,000**
2245-38-7	2,3,5-Trimethylnaphthalene	98	< 98 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	70.7%
d14-Dibenzo(a,h)anthracen	74.7%

YZ 8/9/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060808.b/jq35h20.d
Lab Smp Id: JQ35H Client Smp ID: T4-S3-05-E
Inj Date : 08-AUG-2006 10:42
Operator : VTS Inst ID: nt1.i
Smp Info : JQ35H,20
Misc Info : 06-12963
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: 2
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	19.50000	Weight of sample extracted (g)
M	47.70000	% 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	6.883	6.884	(1.000)	288009	2.00000	
2 Naphthalene	128	6.906	6.907	(1.003)	22056	0.15353	150.5
$ 3 2-Methylnaphthalene-d10	152	7.639	7.640	(1.110)	7848	0.10579	103.7
4 2-Methylnaphthalene	142	7.675	7.676	(1.115)	6113	0.07185	70.46
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	8.768	8.763	(0.980)	7972	0.06309	61.86
* 8 Acenaphthene-d10	164	8.945	8.946	(1.000)	152401	2.00000	
9 Acenaphthene	153	8.987	8.982	(1.005)	53619	0.71653	702.6
10 Dibenzofuran	168	9.170	9.171	(1.025)	13502	0.12250	120.1
11 Fluorene	166	9.595	9.596	(1.073)	30260	0.35265	345.8
* 15 Phenanthrene-d10	188	10.754	10.755	(1.000)	240720	2.00000	
16 Phenanthrene	178	10.783	10.784	(1.003)	361961	2.92949	2872
17 Anthracene	178	10.842	10.843	(1.008)	81615	0.66098	648.1
19 Fluoranthene	202	12.279	12.280	(1.142)	826813	6.56066	6433

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
20 Pyrene	202	12.568	12.569	(0.893)	850951	6.35001	6226
22 Benzo(a)anthracene	228	14.052	14.047	(0.999)	480609	3.82432	3750
* 23 Chrysene-d12	240	14.069	14.070	(1.000)	208693	2.00000	
24 Chrysene	228	14.105	14.100	(1.003)	527397	4.54989	4461
28 Benzo(b)fluoranthene	252	15.446	15.441	(0.964)	628524	5.07510	4976
29 Benzo(k)fluoranthene	252	15.476	15.477	(0.966)	530027	4.01444	3936
30 Benzo(a)pyrene	252	15.943	15.938	(0.995)	634132	5.25490	5153
* 31 Perylene-d12	264	16.026	16.021	(1.000)	219436	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	17.988	17.989	(1.122)	445820	3.21253	3150
$ 32 Dibenz(a,h)anthrancene-d14	292	17.911	17.912	(1.118)	9392	0.11184	109.7(M)
34 Dibenz(a,h)anthracene	278	17.976	17.977	(1.122)	125538	1.10733	1086
35 Benzo(g,h,i)perylene	276	18.573	18.568	(1.159)	445357	3.86065	3786
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	11.558	11.559	(0.821)	19130	0.22394	219.6
52 Benzo(e)pyrene	252	15.860	15.861	(0.990)	408732	3.05990	3000
53 Perylene	252	16.067	16.068	(1.003)	195737	1.56066	1530

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: jq35h20.d
Lab Smp Id: JQ35H
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060808.b/simpna.m
Misc Info: 06-12963

Calibration Date: 08-AUG-2006
Calibration Time: 09:27
Client Smp ID: T4-S3-05-E
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	260380	130190	520760	288009	10.61
8 Acenaphthene-d10	135690	67845	271380	152401	12.32
15 Phenanthrene-d10	210931	105466	421862	240720	14.12
23 Chrysene-d12	190595	95298	381190	208693	9.50
31 Perylene-d12	193807	96904	387614	219436	13.22

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	10.75	10.25	11.25	10.75	-0.01
23 Chrysene-d12	14.07	13.57	14.57	14.07	-0.01
31 Perylene-d12	16.02	15.52	16.52	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

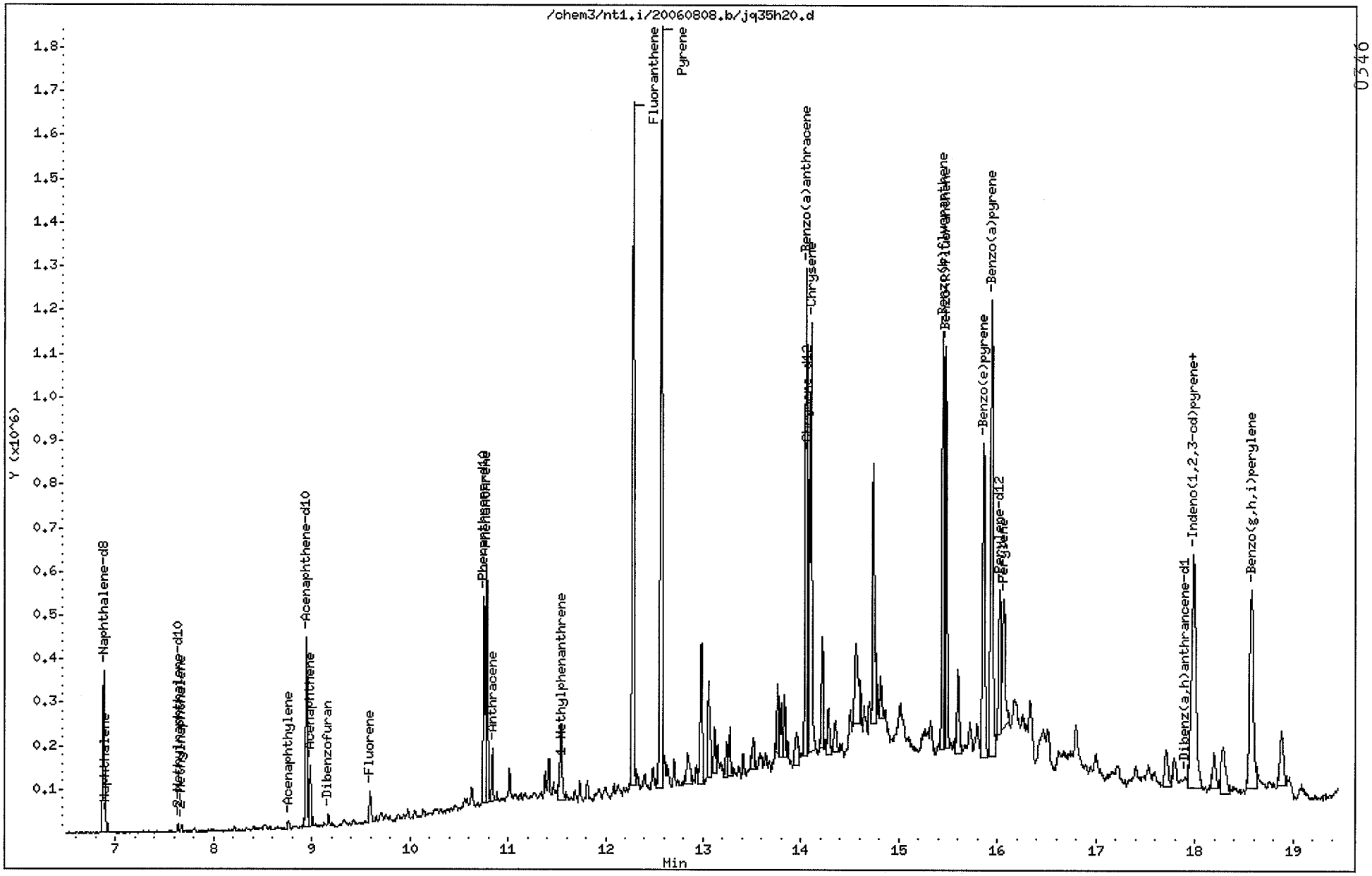
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35H
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060808.b/simpna.m
Misc Info: 06-12963

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-05-E
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	147.1	103.7	70.53	32-97
$ 32 Dibenz(a,h)anthran	147.1	109.7	74.56	21-105

Data File: /chem3/nt1.i/20060808.b/jq35h20.d
Date : 08-AUG-2006 10:42
Client ID: T4-S3-05-E
Sample Info: JQ35H,20
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0346

Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

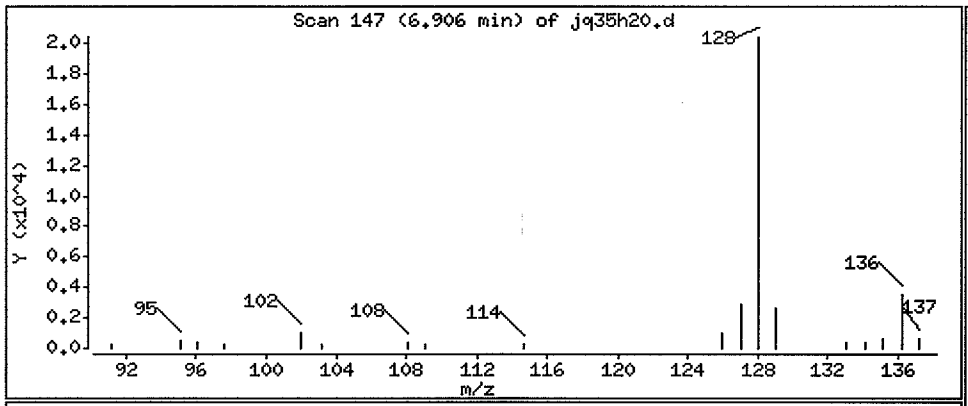
Operator: VTS

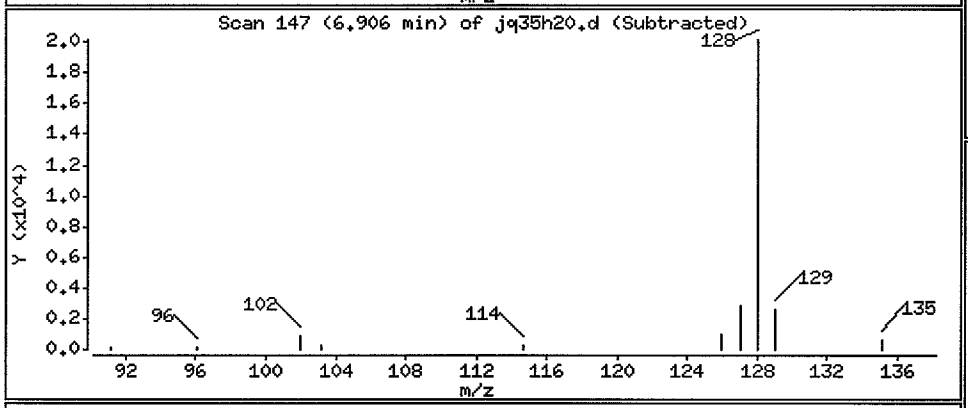
Column phase: ZB-5

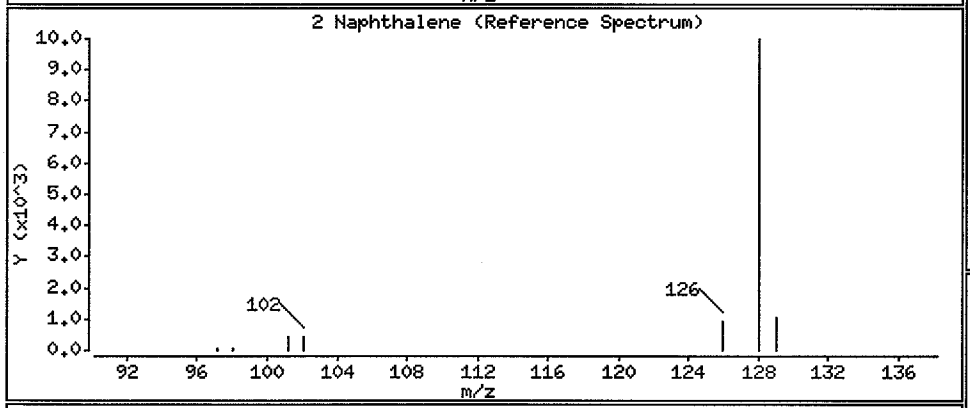
Column diameter: 0.25

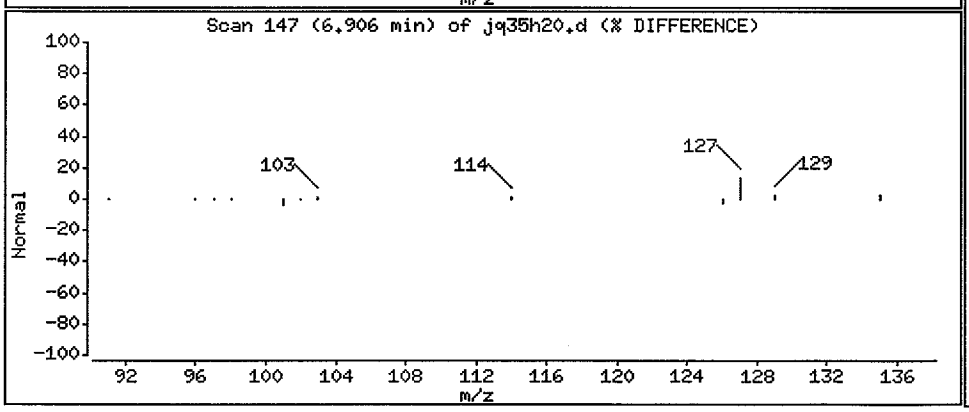
2 Naphthalene

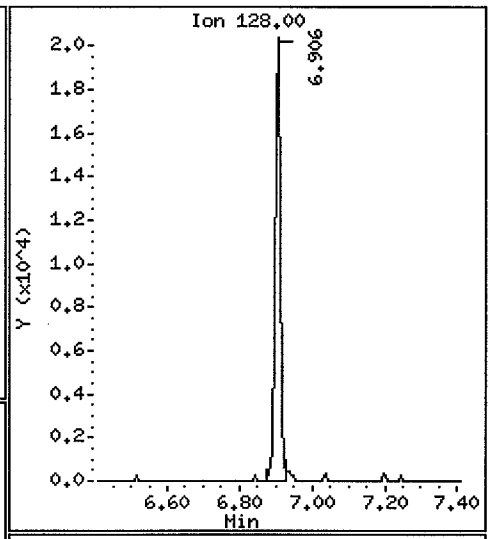
Concentration: 150.5 ug/kg

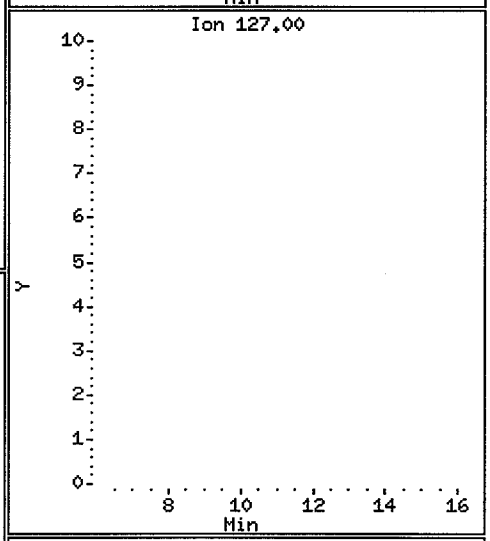


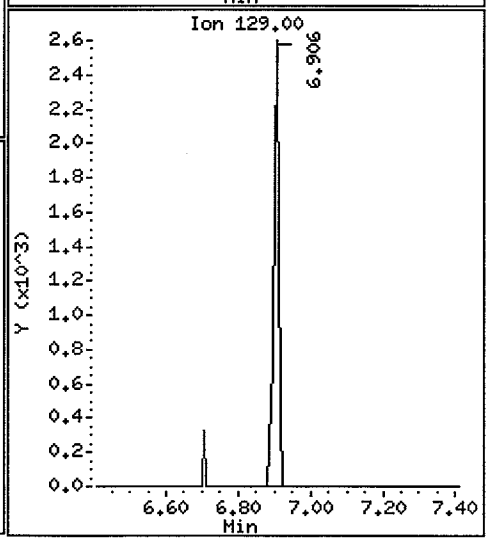












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

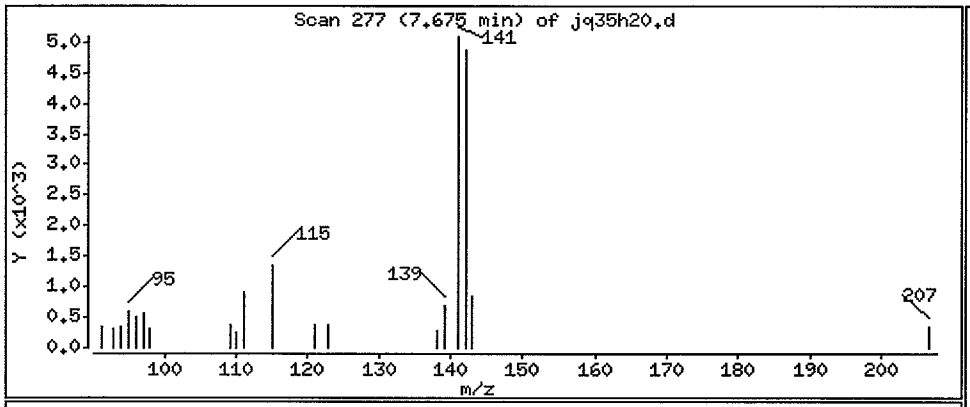
Operator: VTS

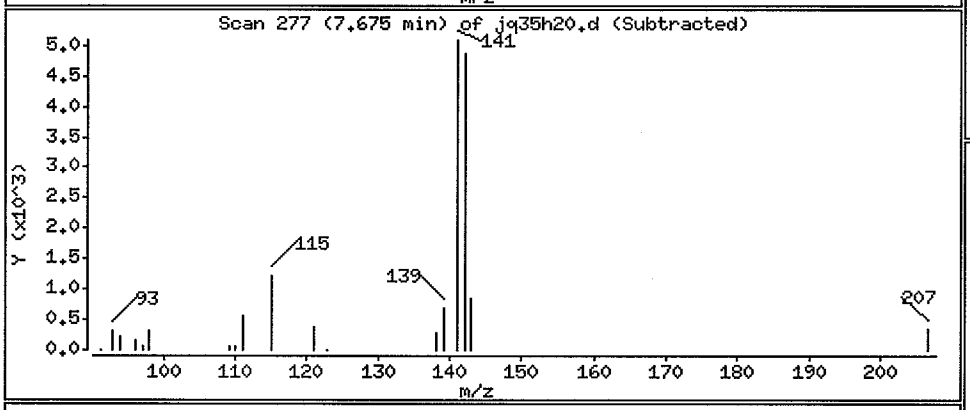
Column phase: ZB-5

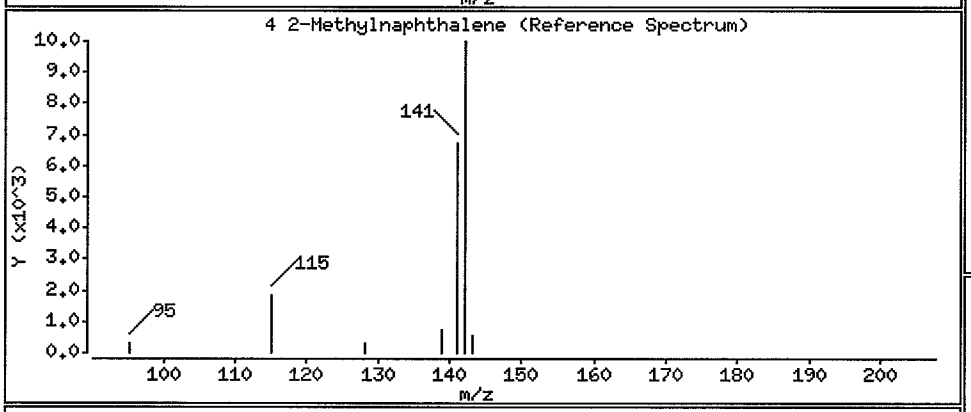
Column diameter: 0.25

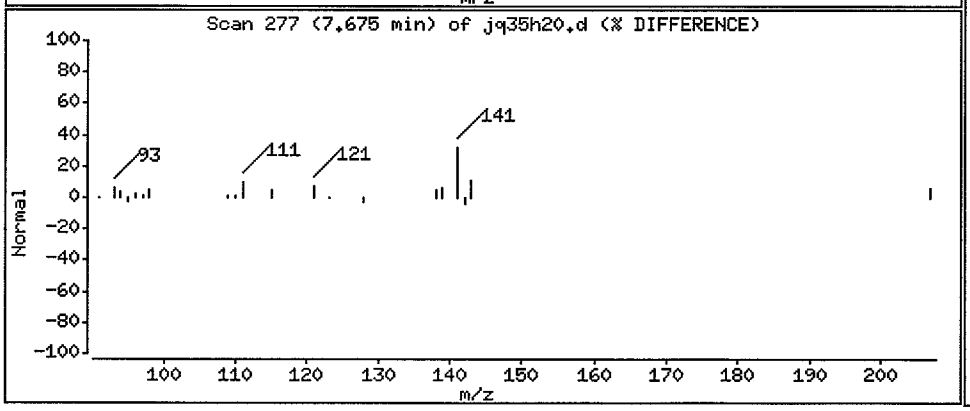
4 2-Methylnaphthalene

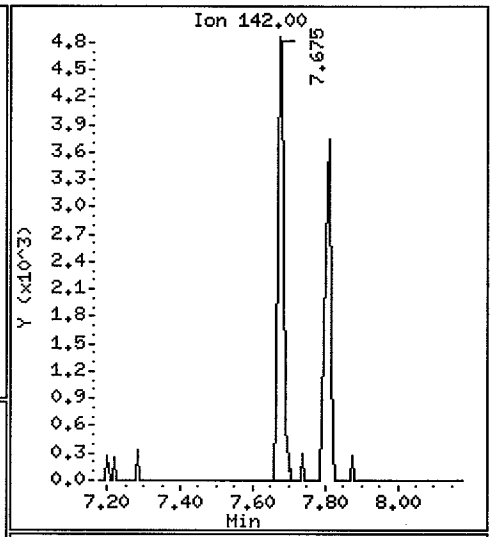
Concentration: 70.46 ug/kg

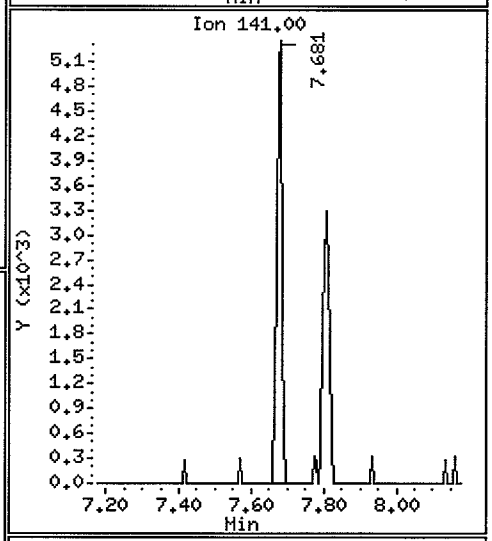


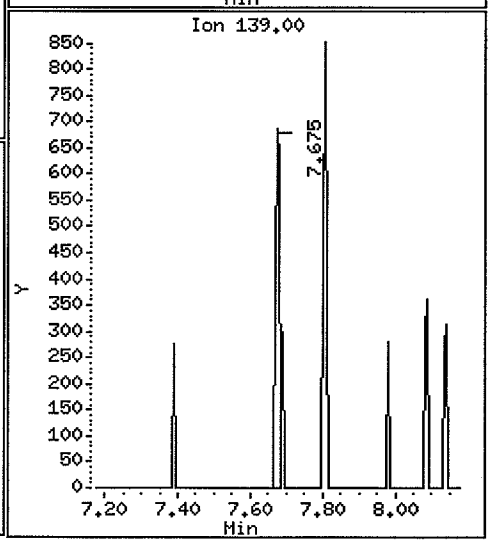












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

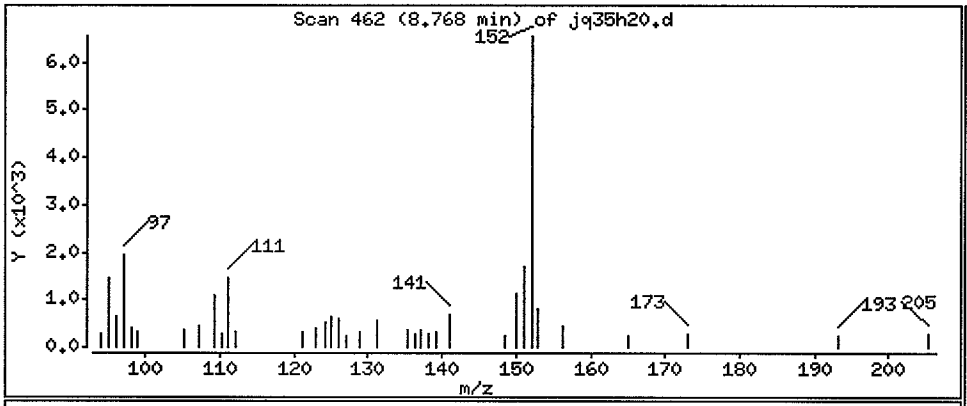
Operator: VTS

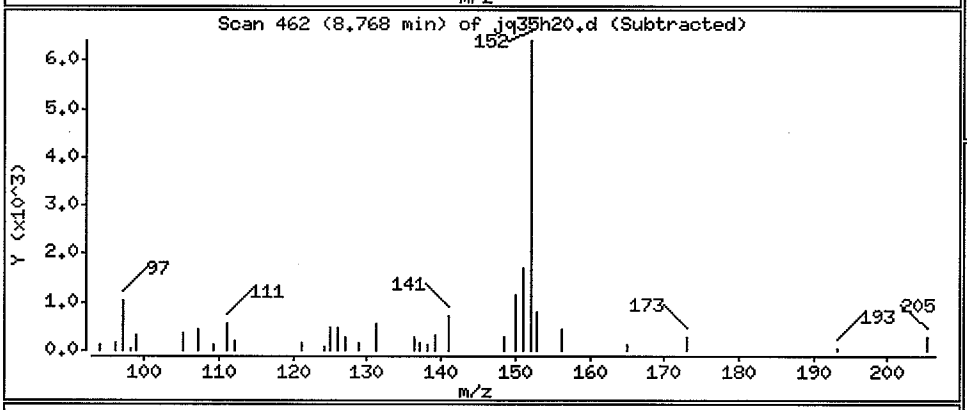
Column phase: ZB-5

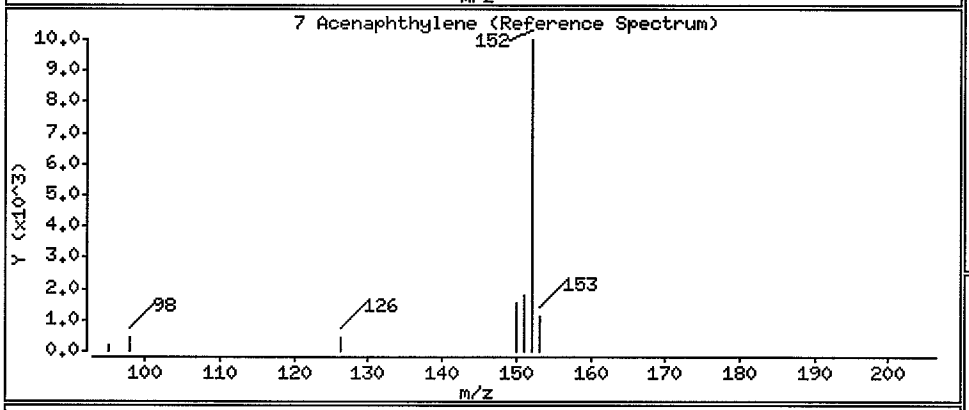
Column diameter: 0.25

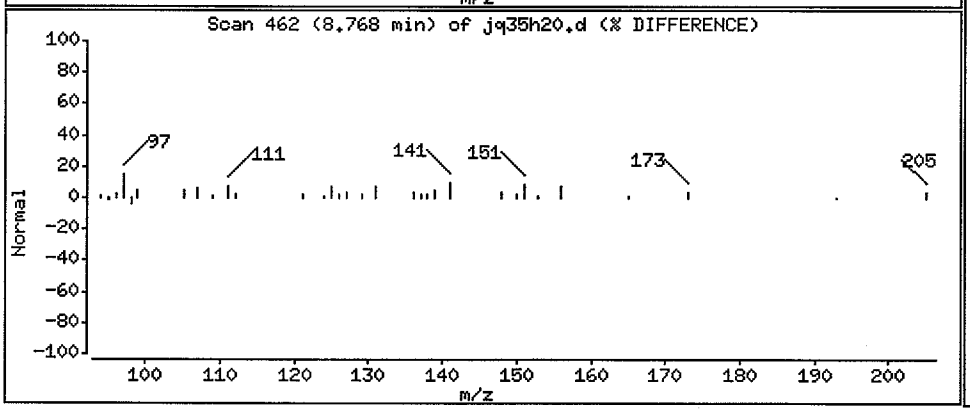
7 Acenaphthylene

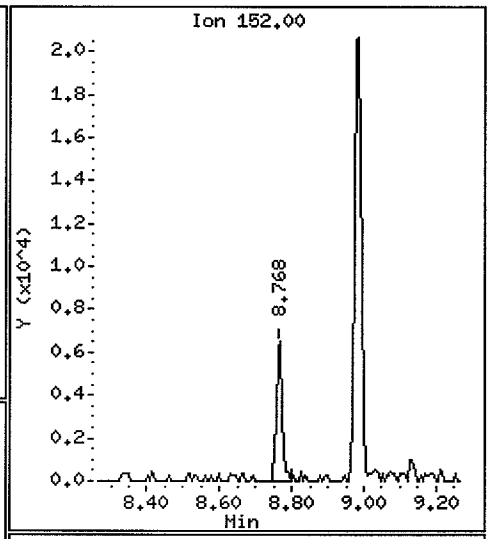
Concentration: 61.86 ug/kg

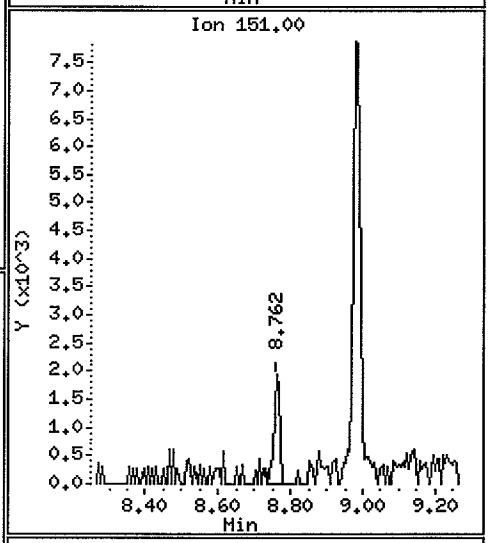


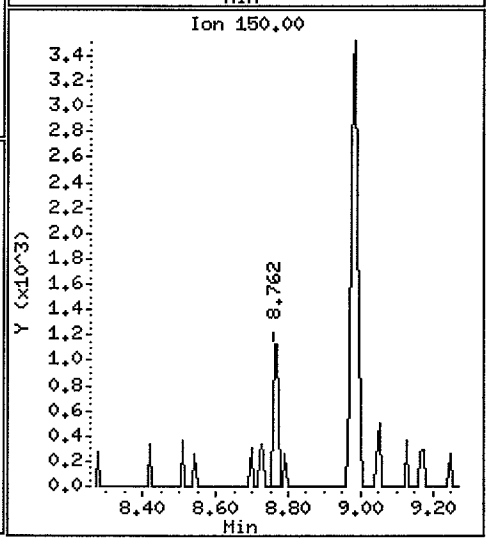












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

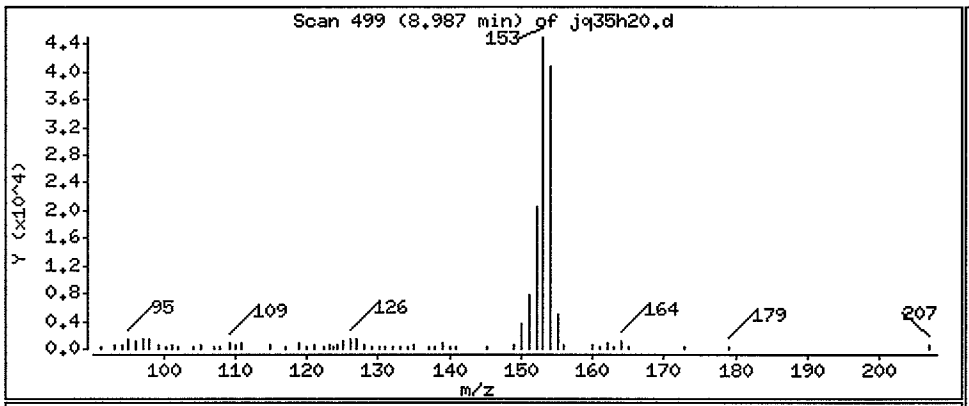
Operator: VTS

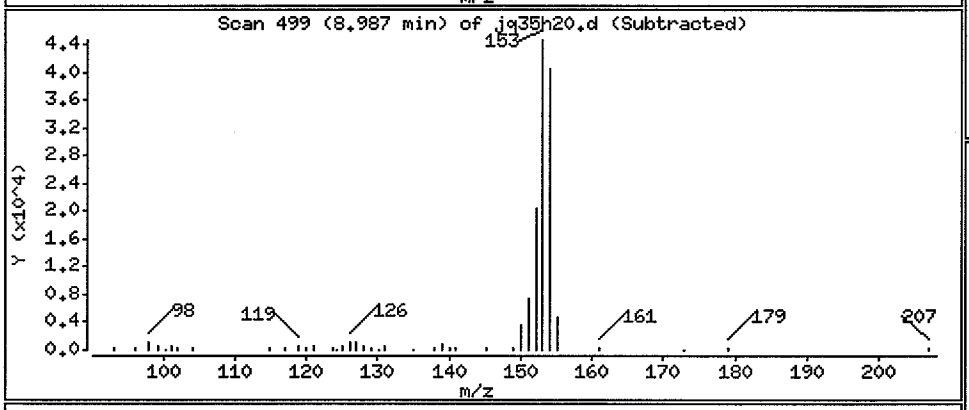
Column phase: ZB-5

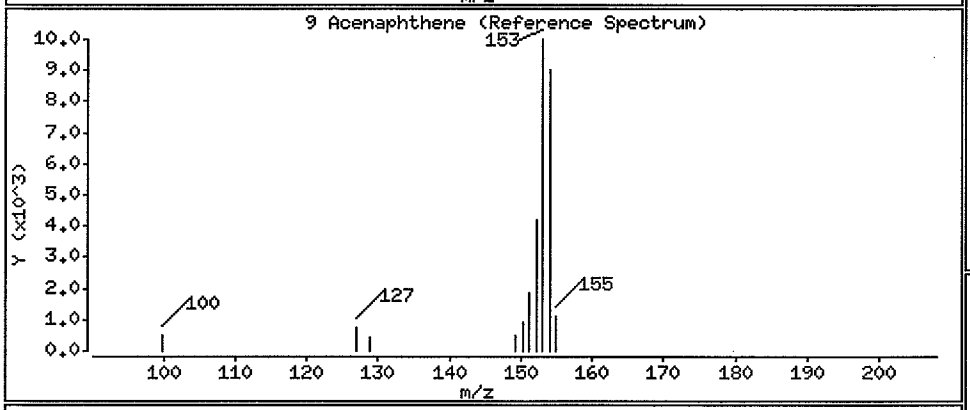
Column diameter: 0.25

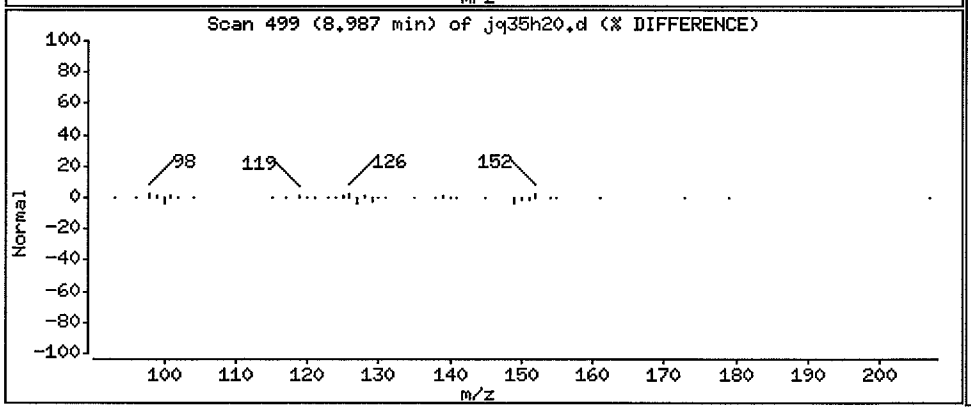
9 Acenaphthene

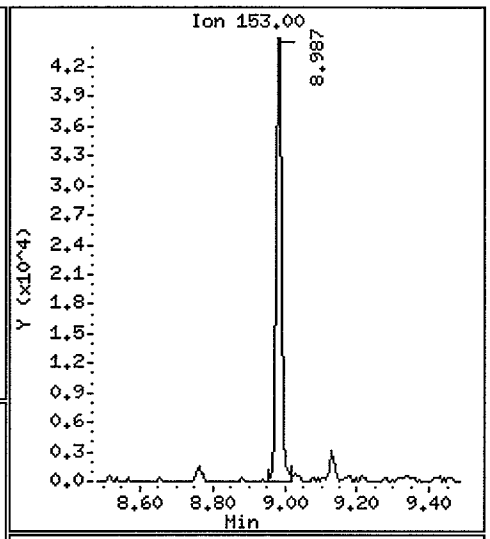
Concentration: 702.6 ug/kg

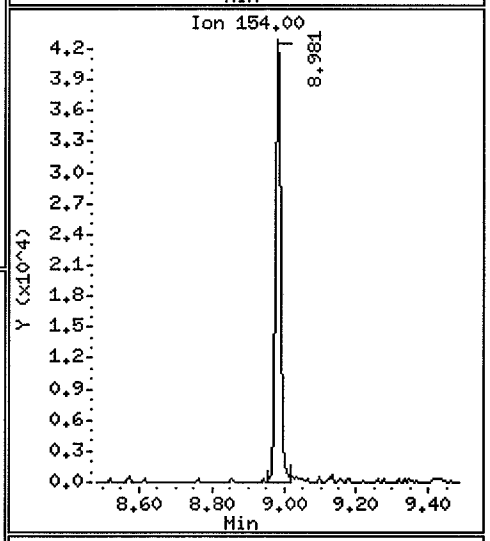


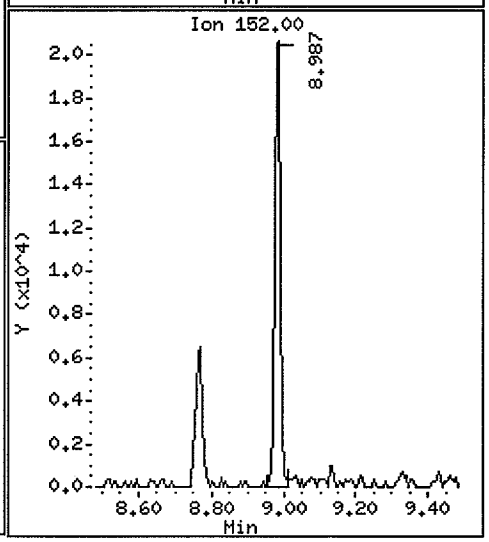












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

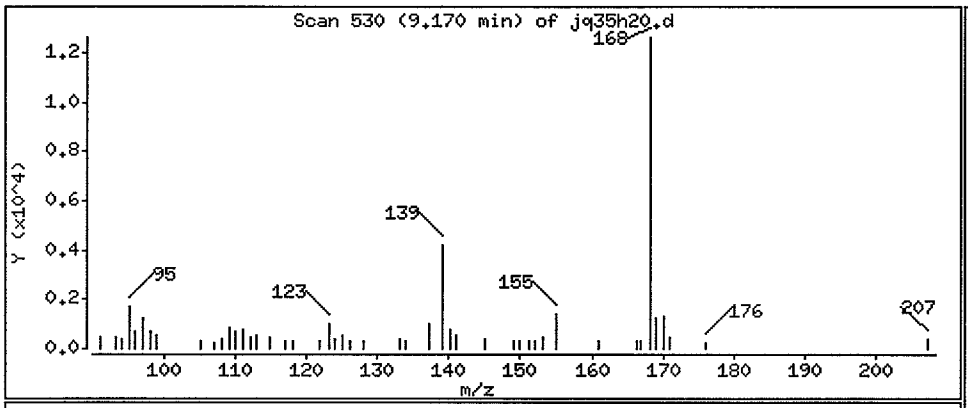
Operator: VTS

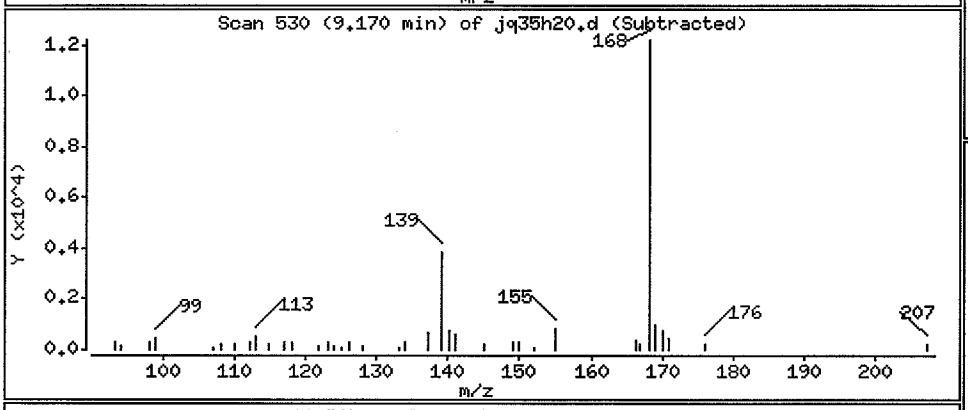
Column phase: ZB-5

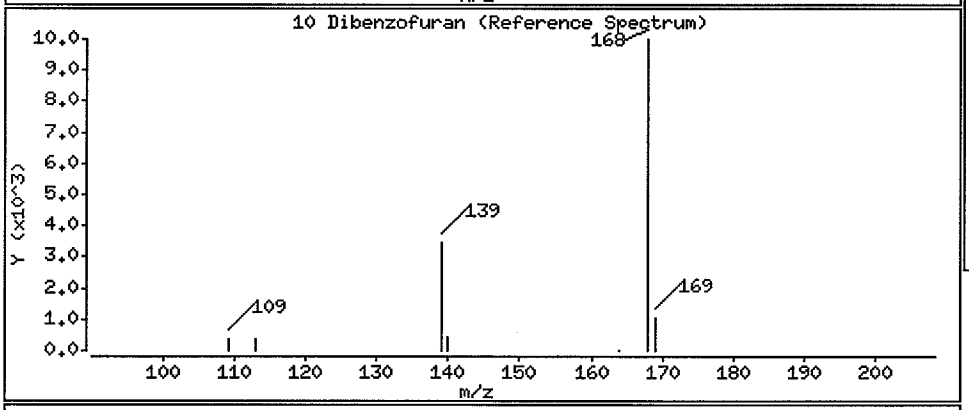
Column diameter: 0.25

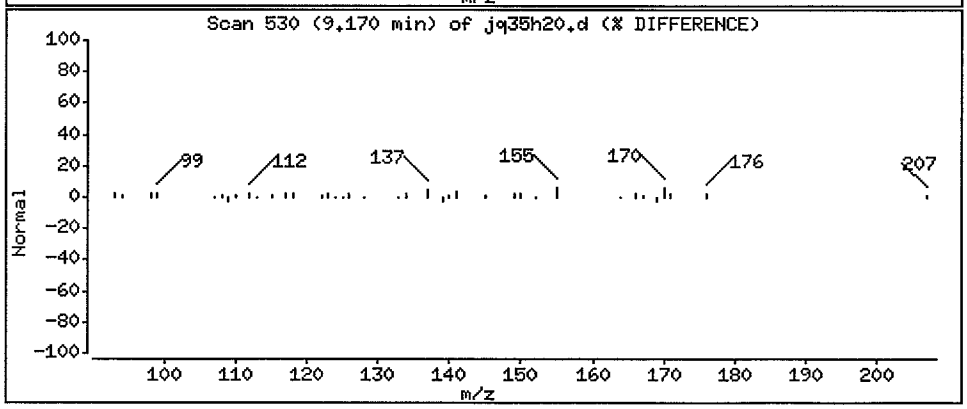
10 Dibenzofuran

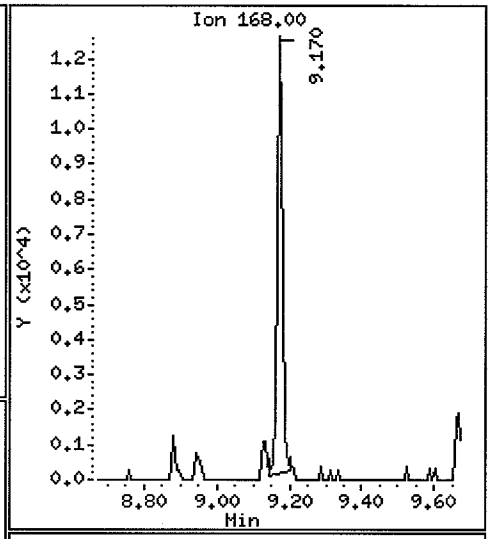
Concentration: 120.1 ug/kg

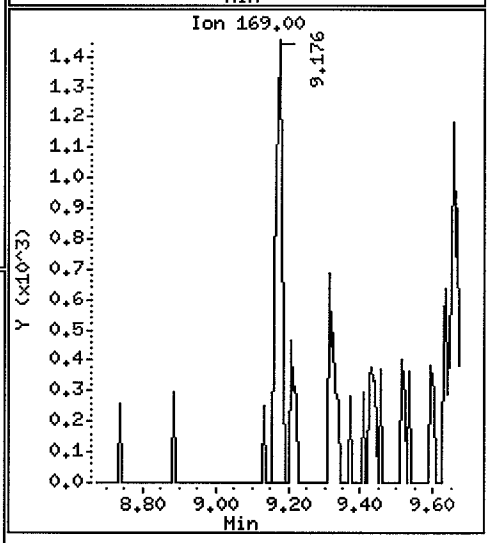












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

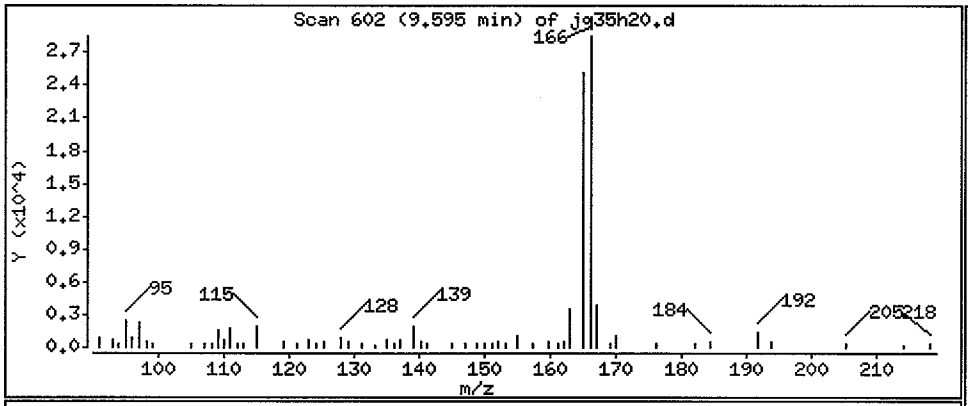
Operator: VTS

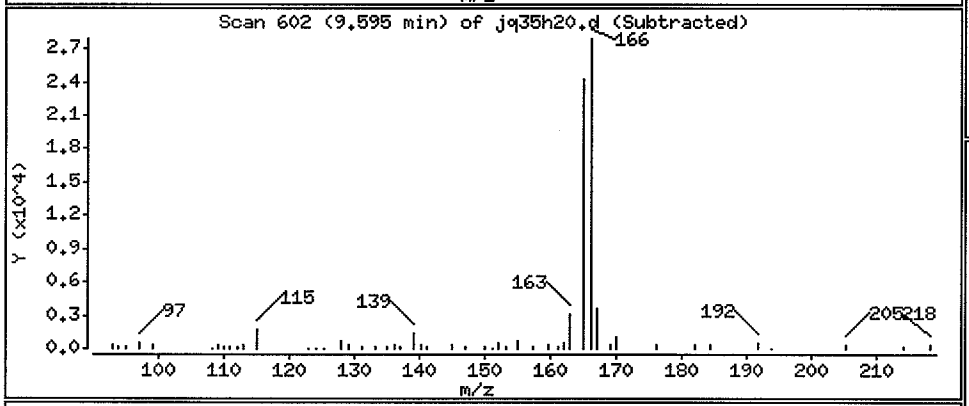
Column phase: ZB-5

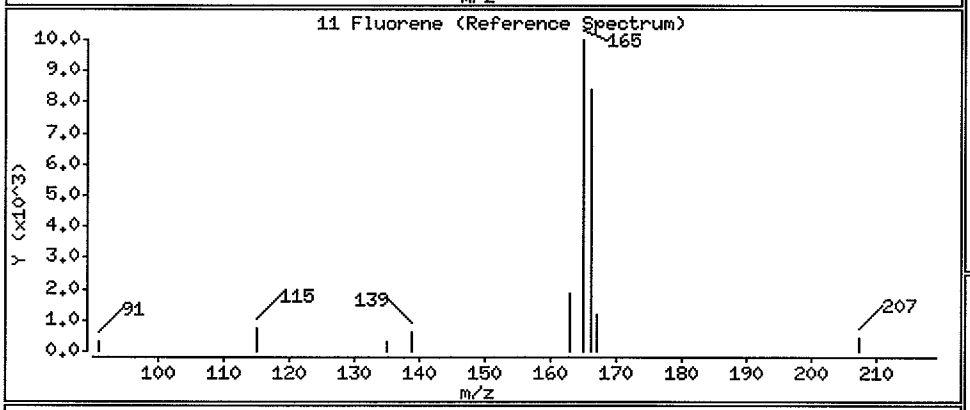
Column diameter: 0.25

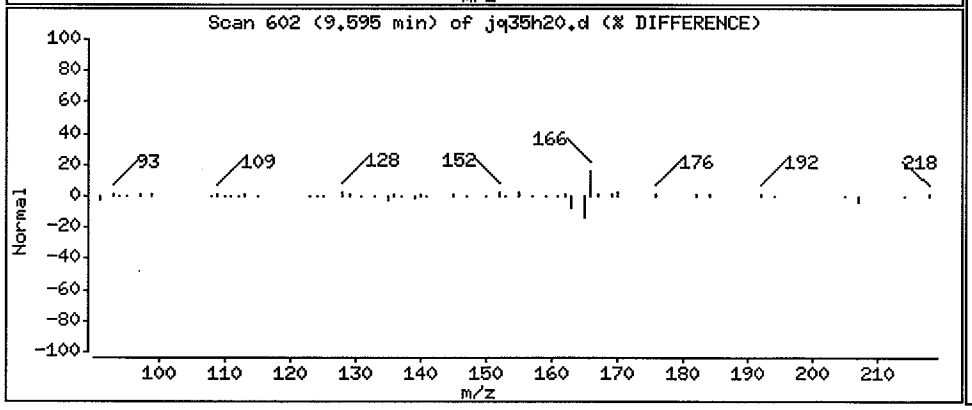
11 Fluorene

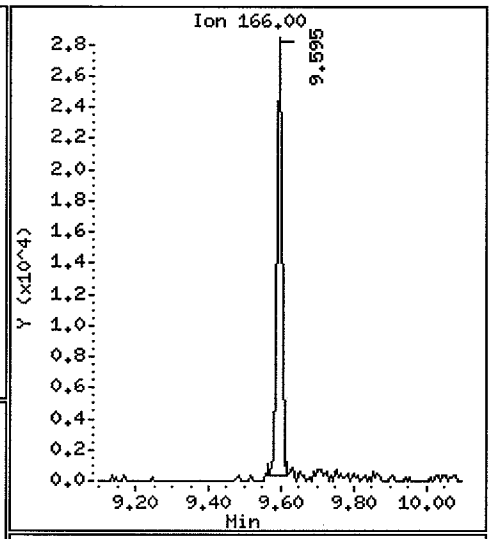
Concentration: 345.8 ug/kg

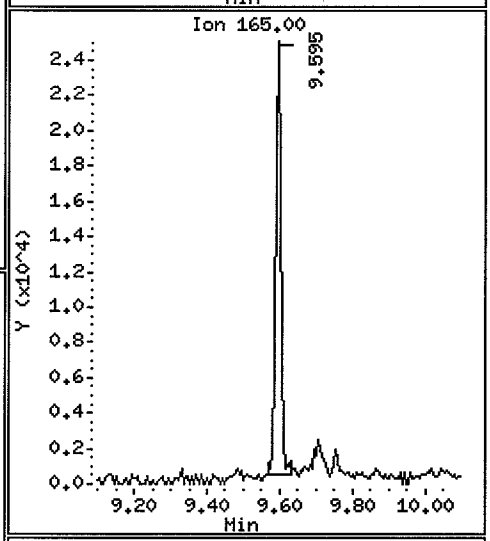


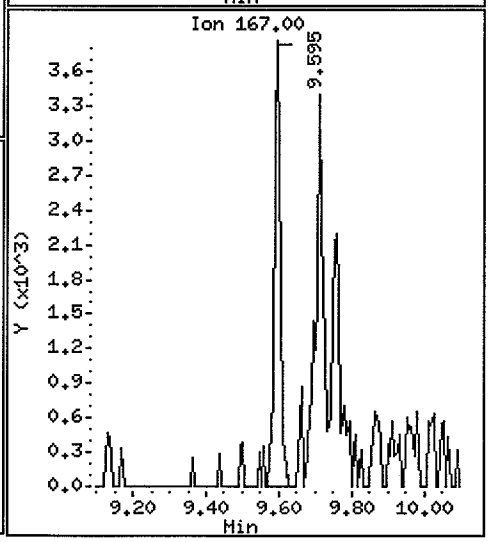












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

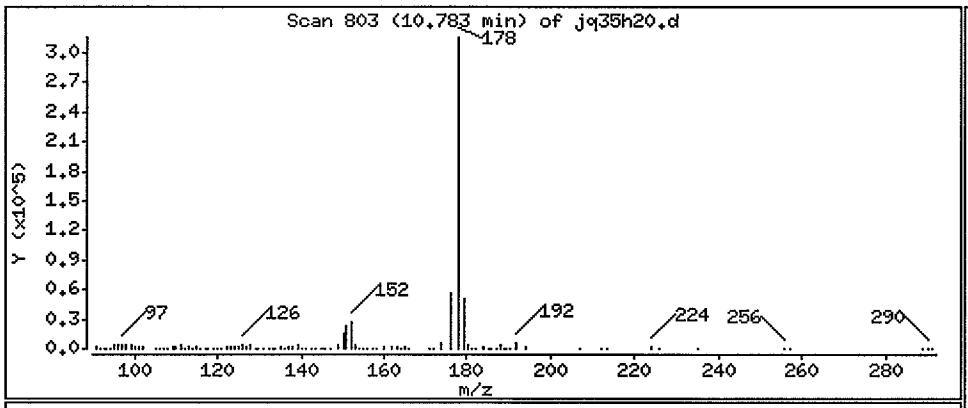
Operator: VTS

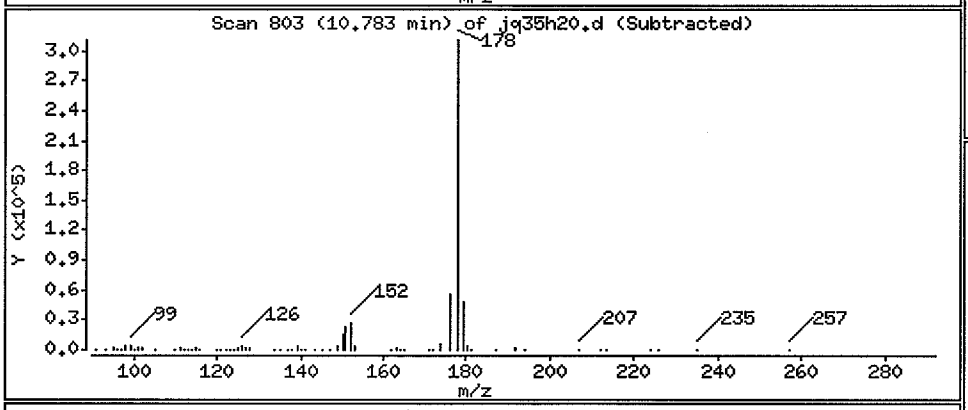
Column phase: ZB-5

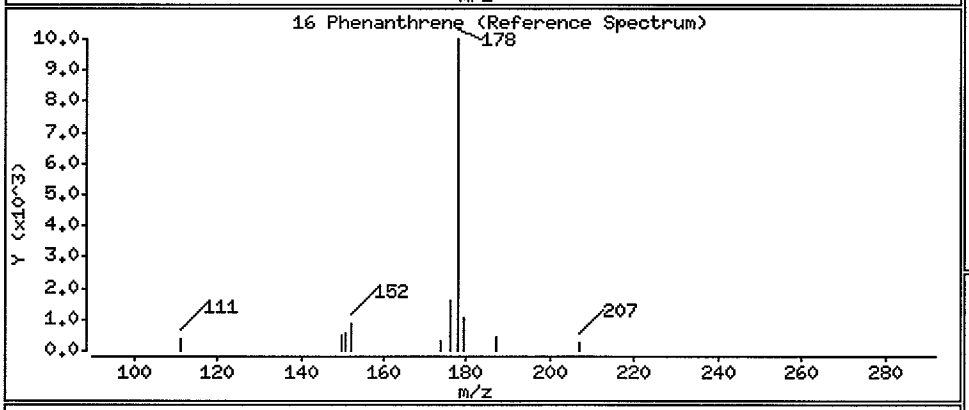
Column diameter: 0.25

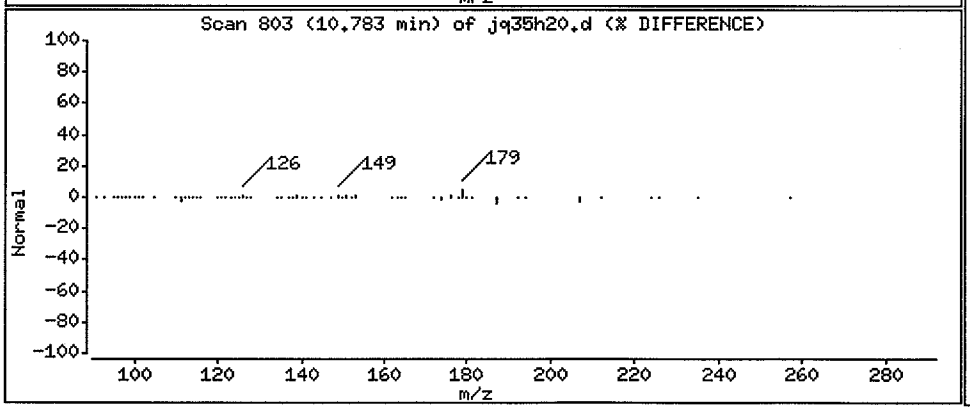
16 Phenanthrene

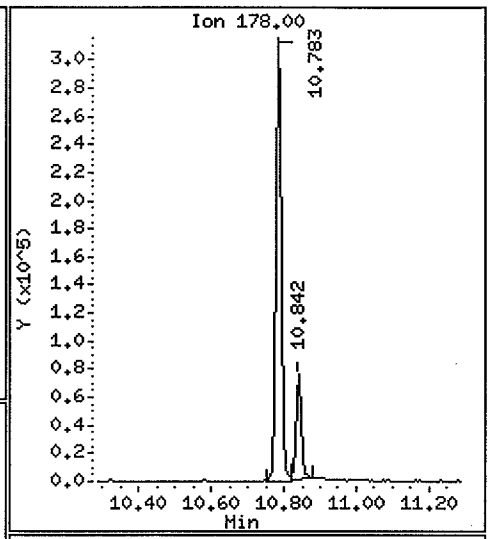
Concentration: 2872 ug/kg

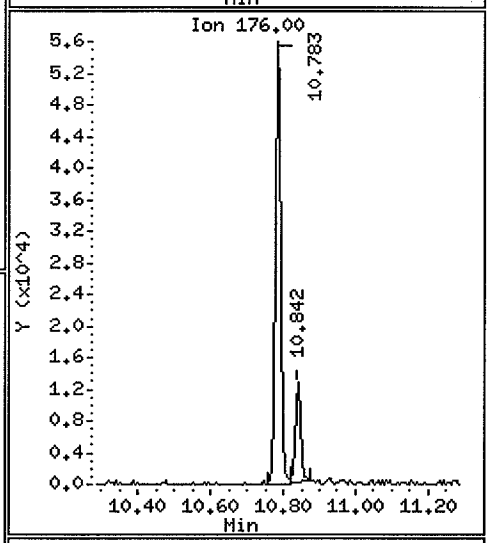


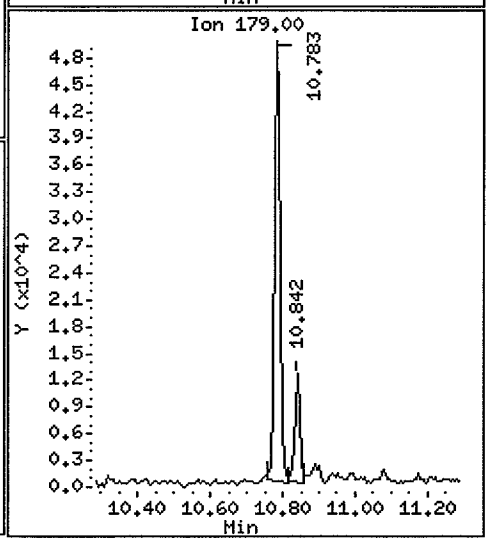












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

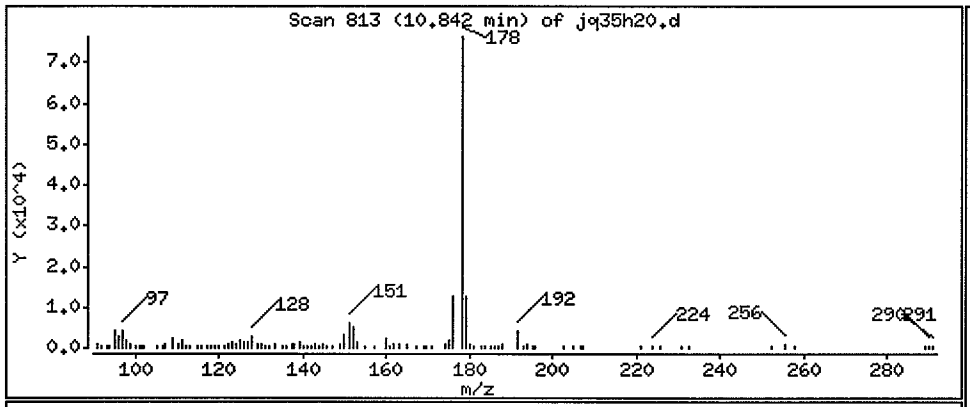
Operator: VTS

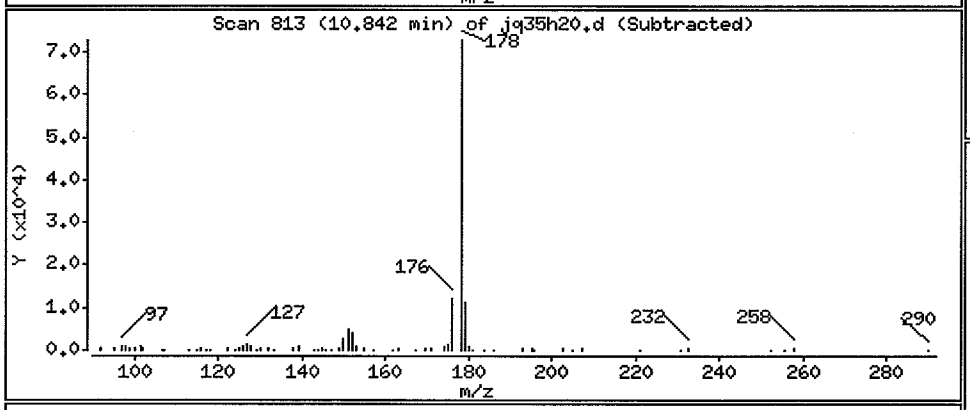
Column phase: ZB-5

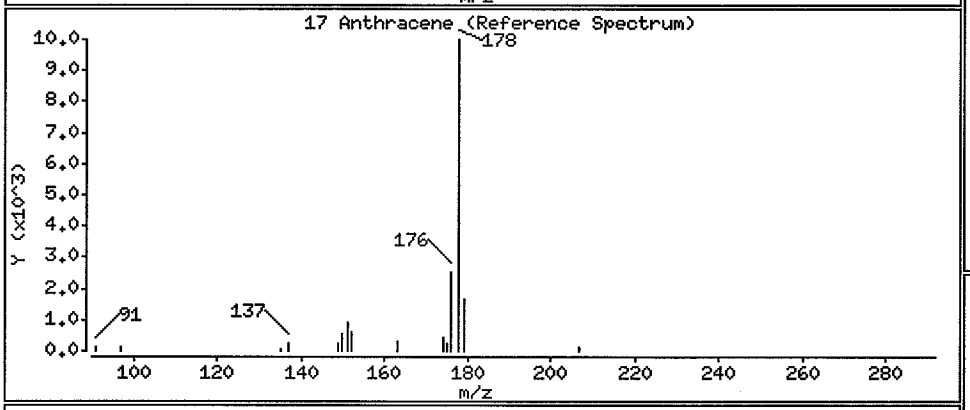
Column diameter: 0.25

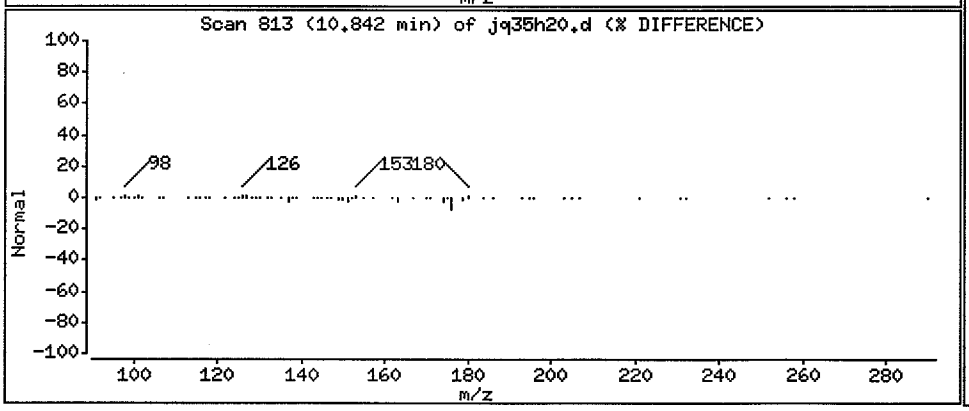
17 Anthracene

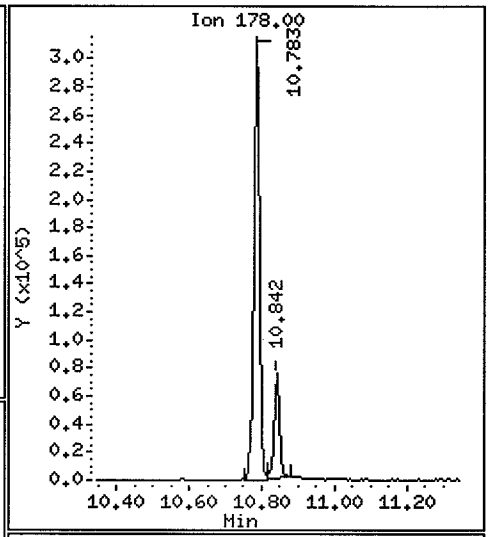
Concentration: 648.1 ug/kg

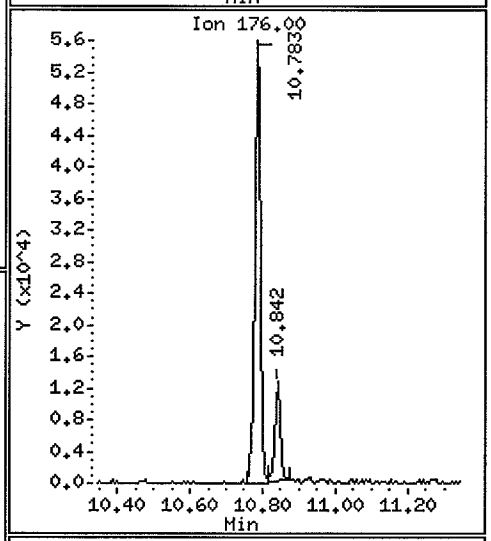


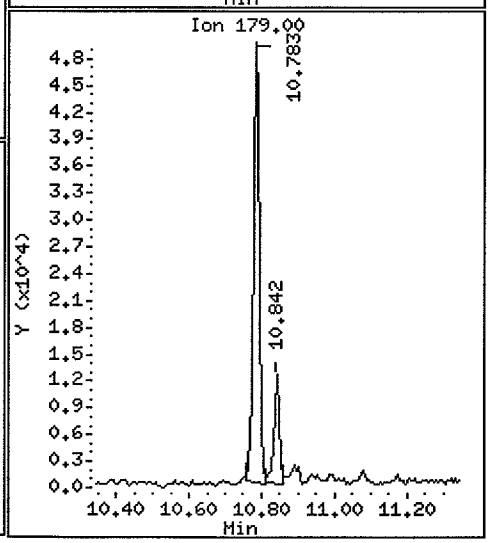












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

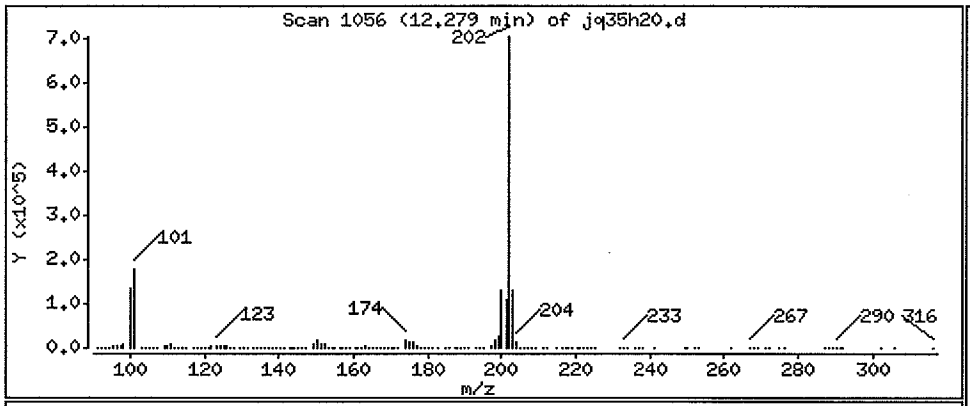
Operator: VTS

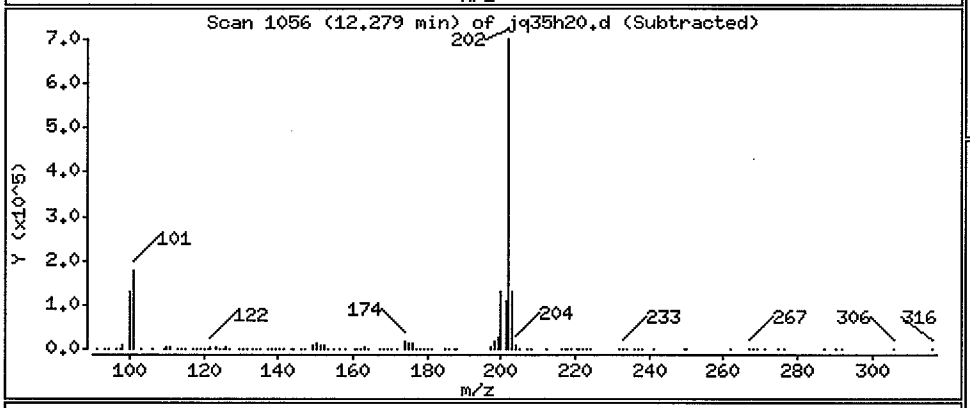
Column phase: ZB-5

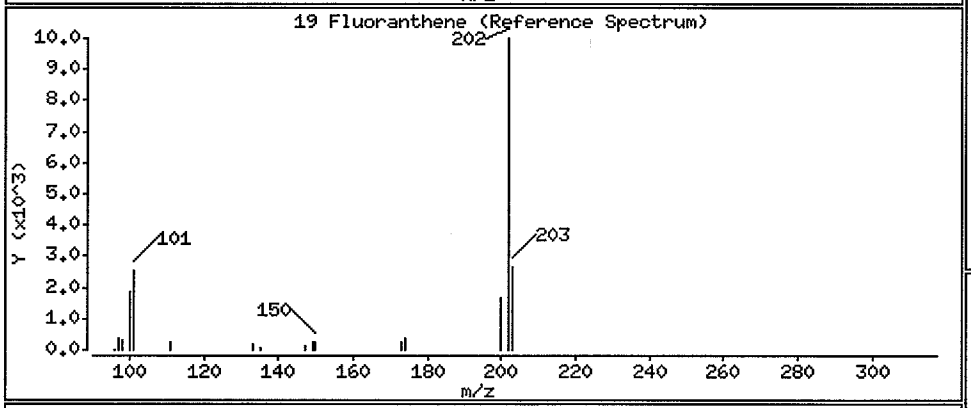
Column diameter: 0.25

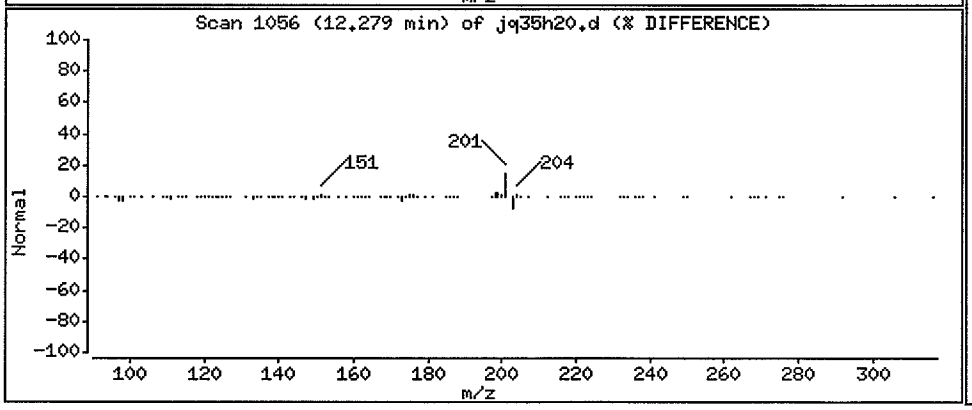
19 Fluoranthene

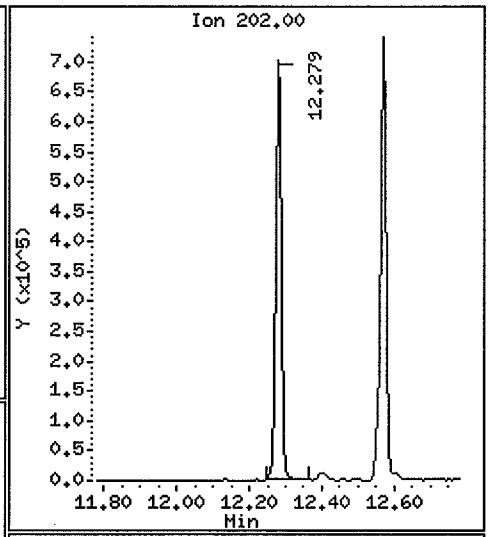
Concentration: 6433 ug/kg

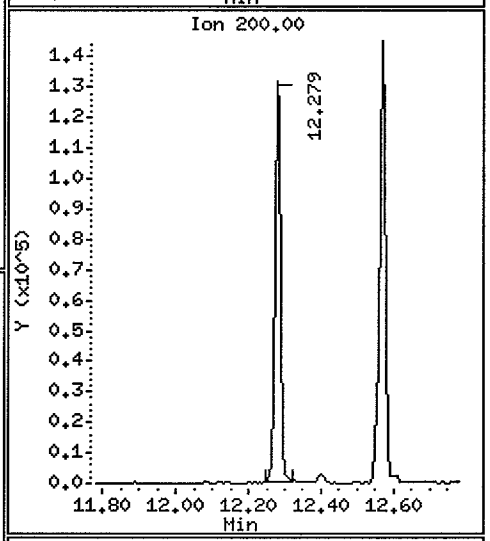


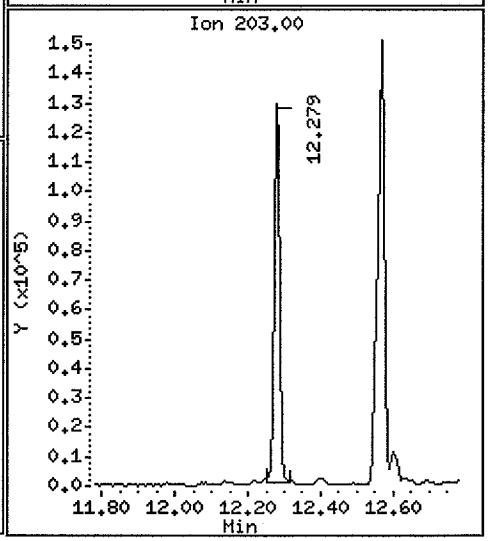












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

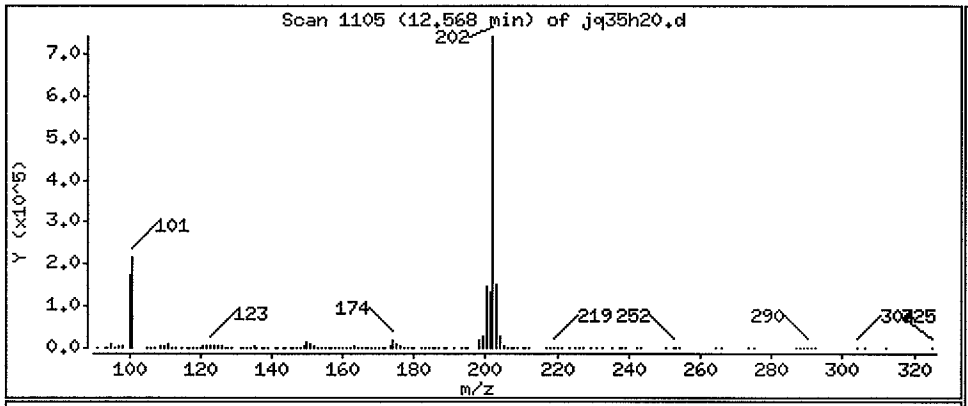
Operator: VTS

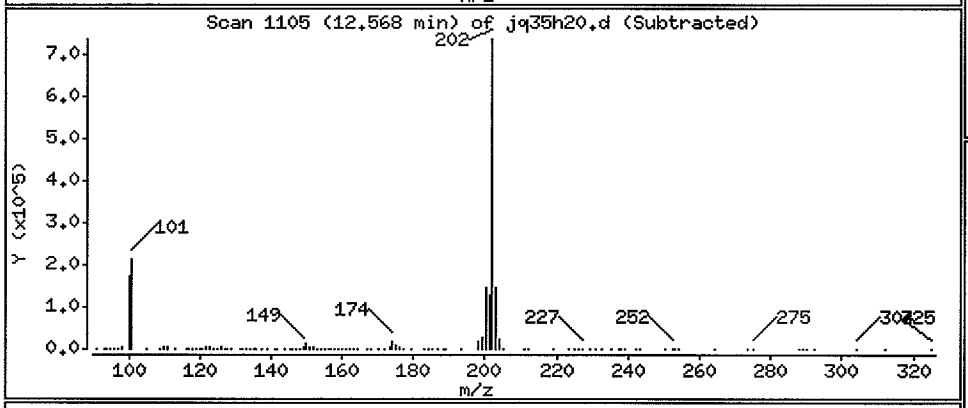
Column phase: ZB-5

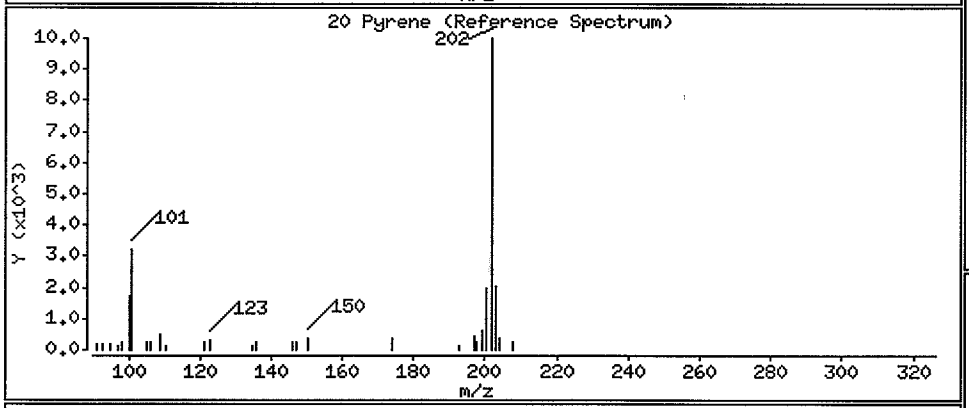
Column diameter: 0.25

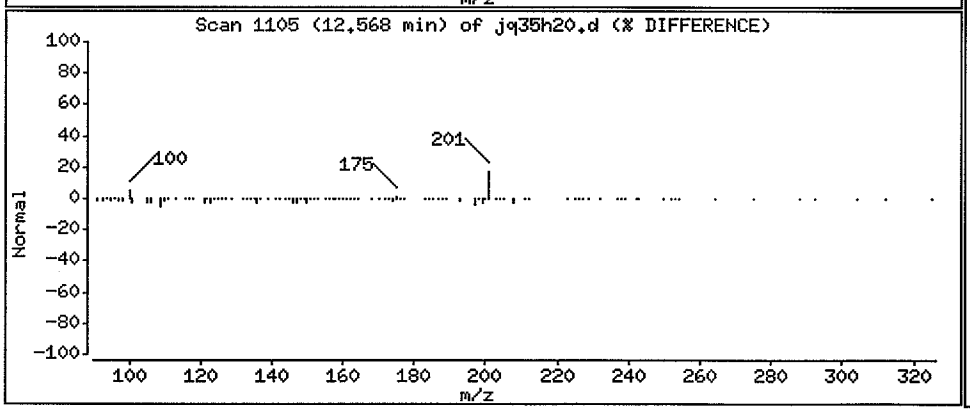
20 Pyrene

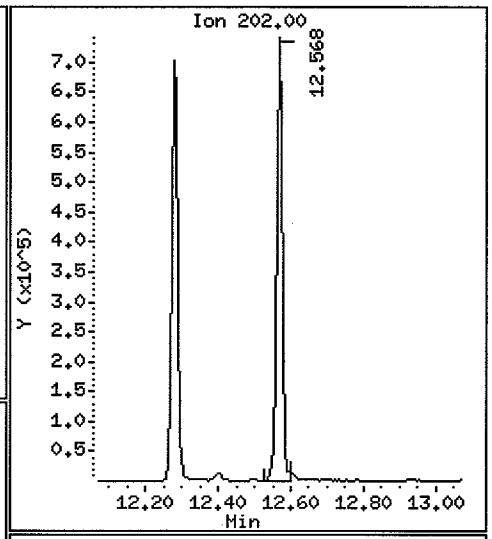
Concentration: 6226 ug/kg

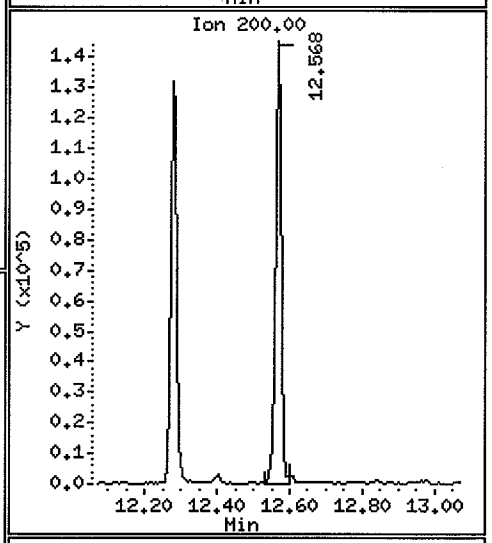


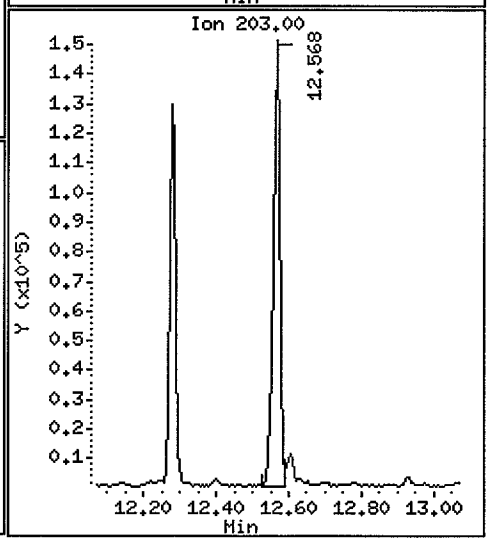












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

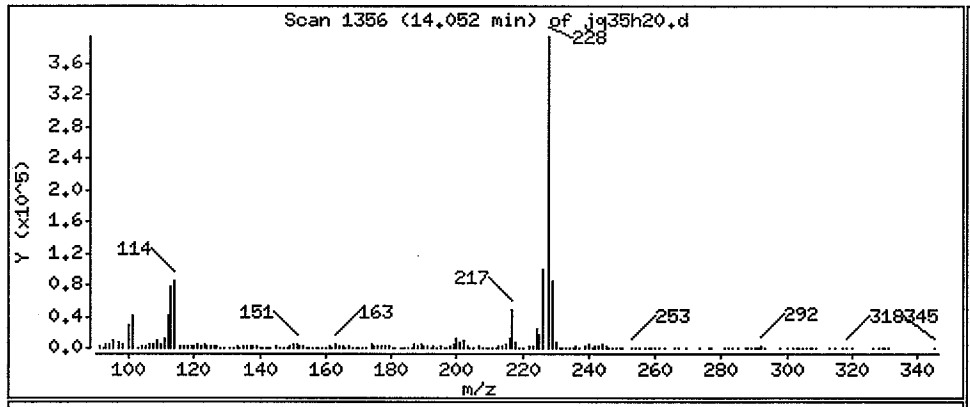
Operator: VTS

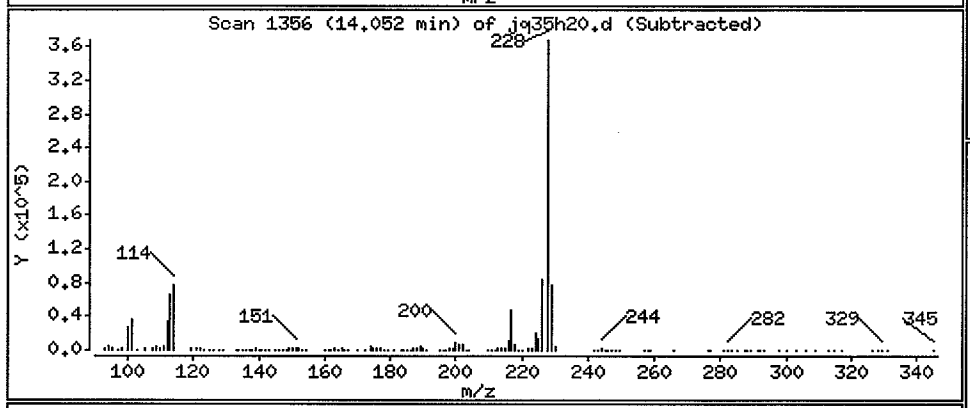
Column phase: ZB-5

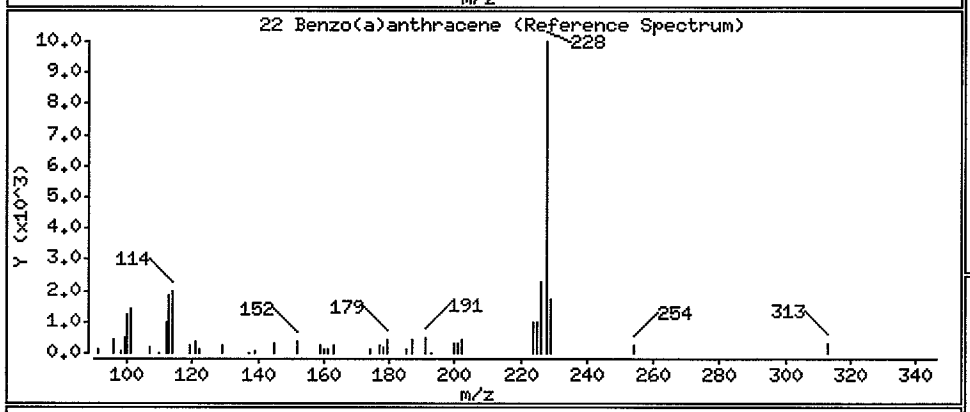
Column diameter: 0.25

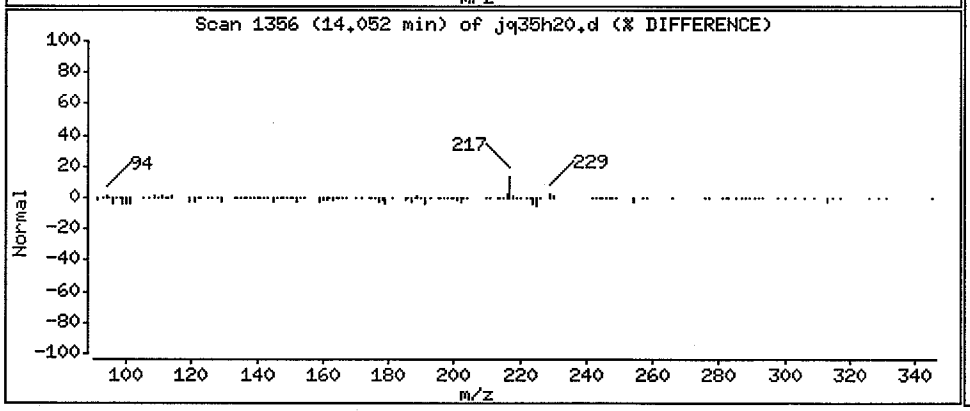
22 Benzo(a)anthracene

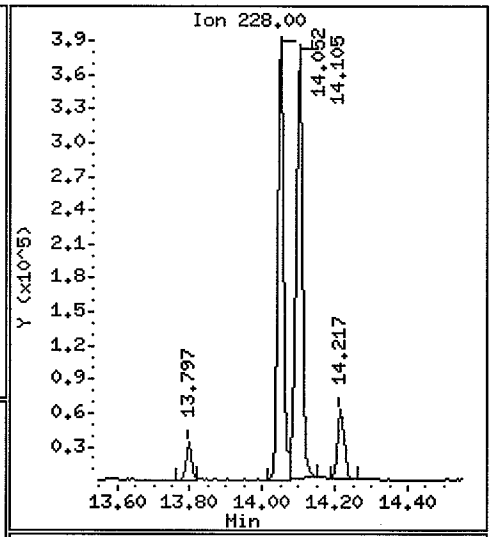
Concentration: 3750 ug/kg

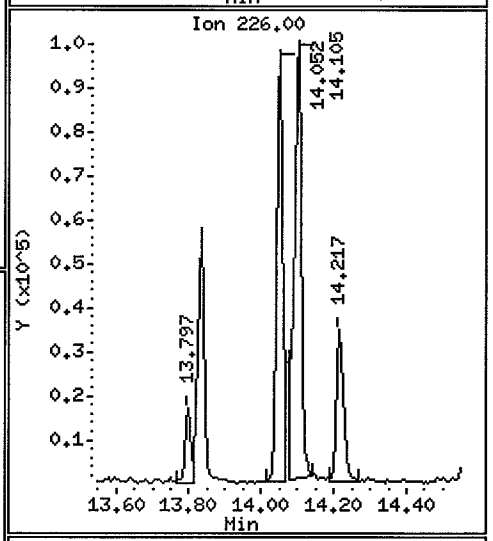


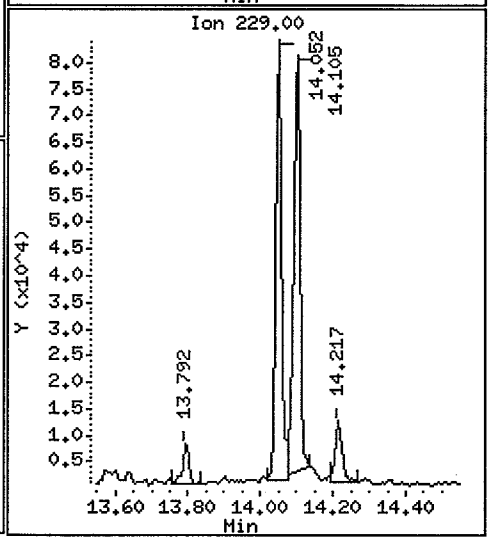












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

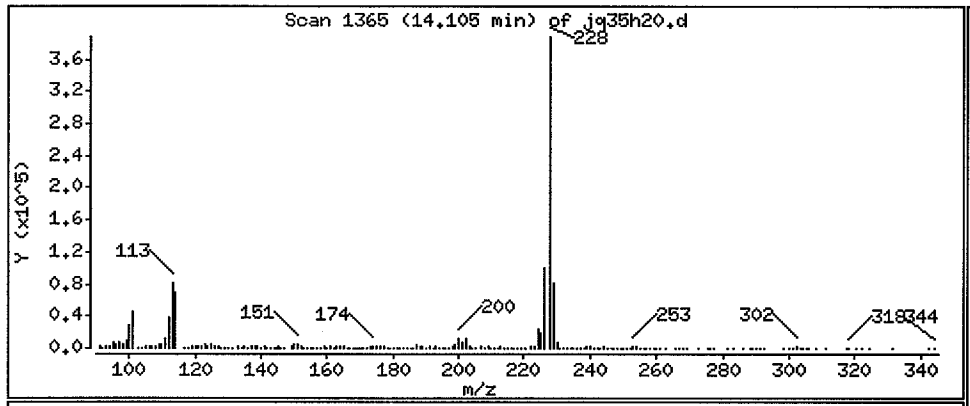
Operator: VTS

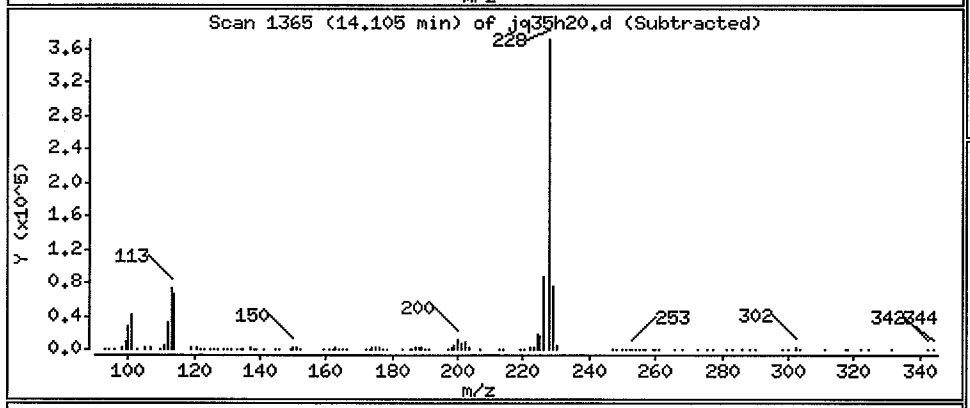
Column phase: ZB-5

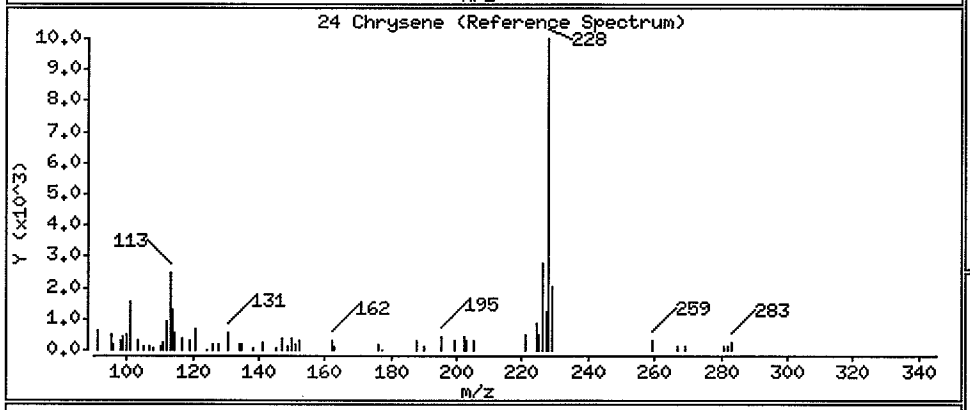
Column diameter: 0.25

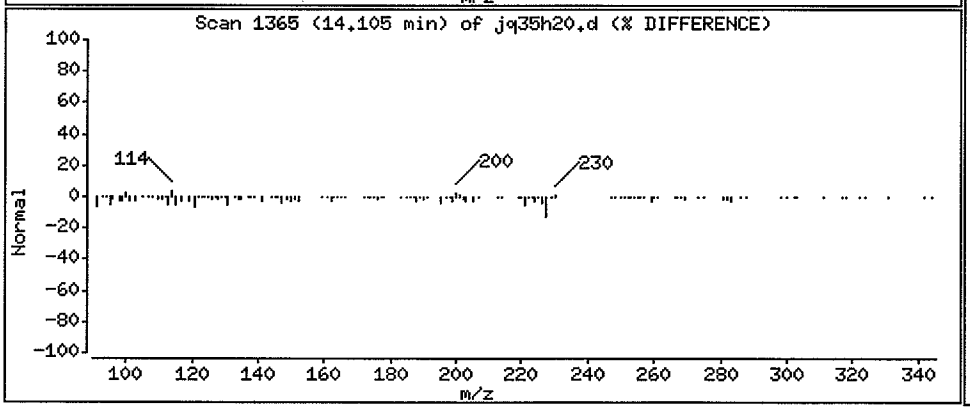
24 Chrysene

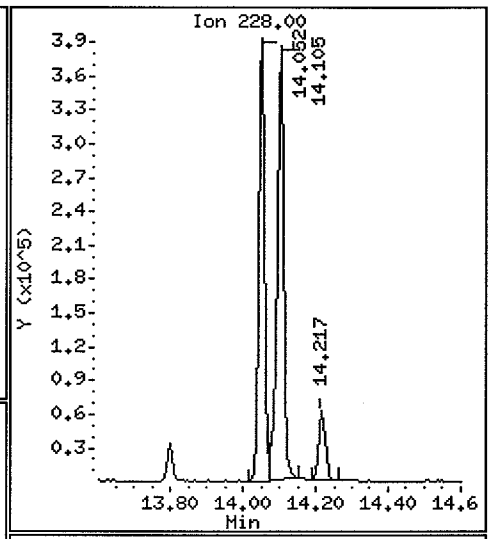
Concentration: 4461 ug/kg

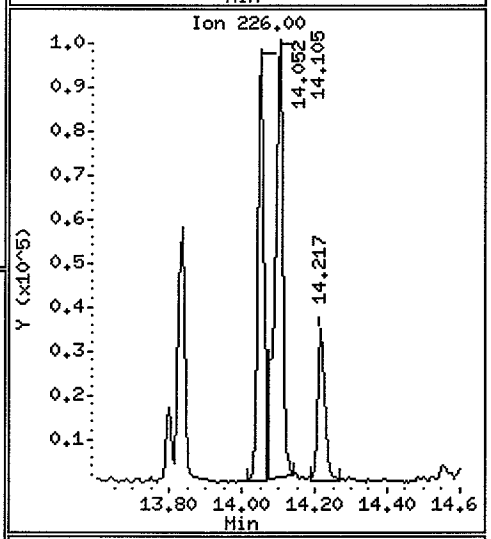


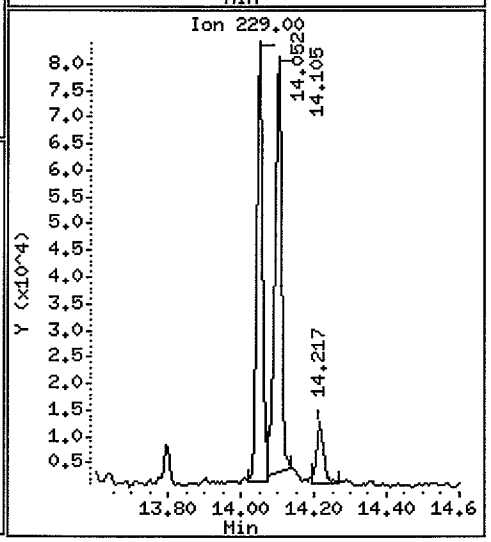












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

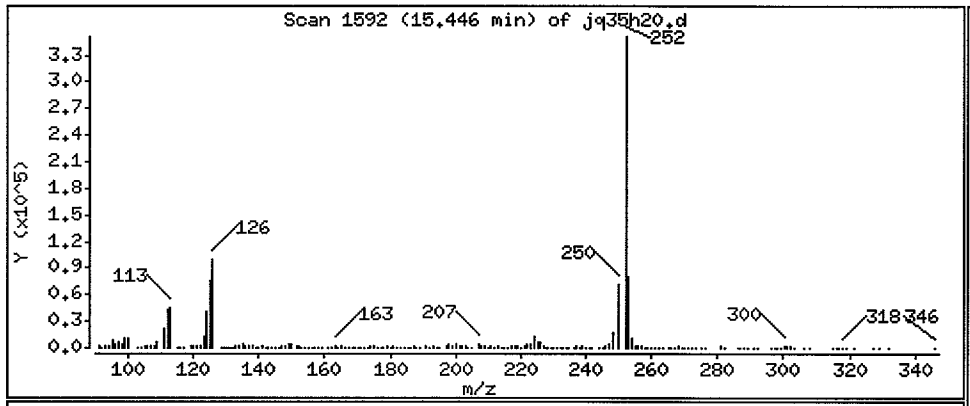
Operator: VTS

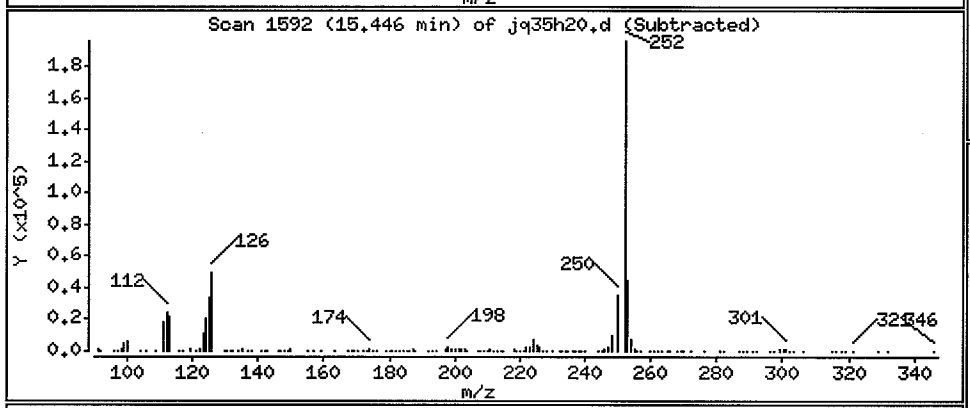
Column phase: ZB-5

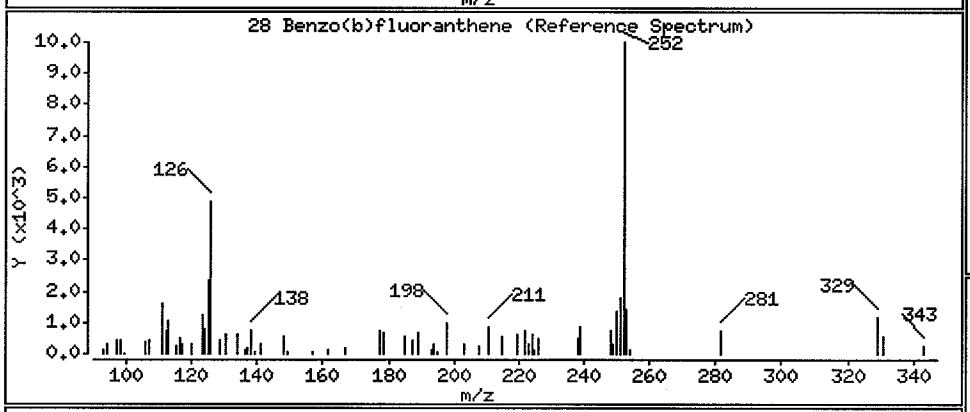
Column diameter: 0.25

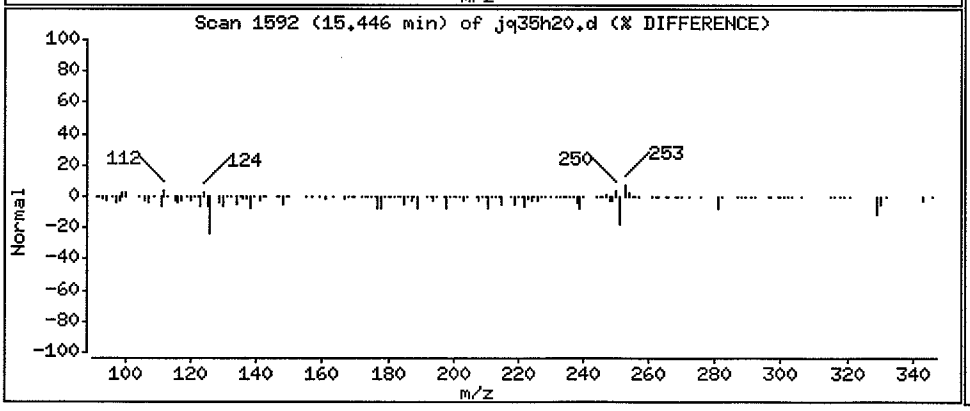
28 Benzo(b)fluoranthene

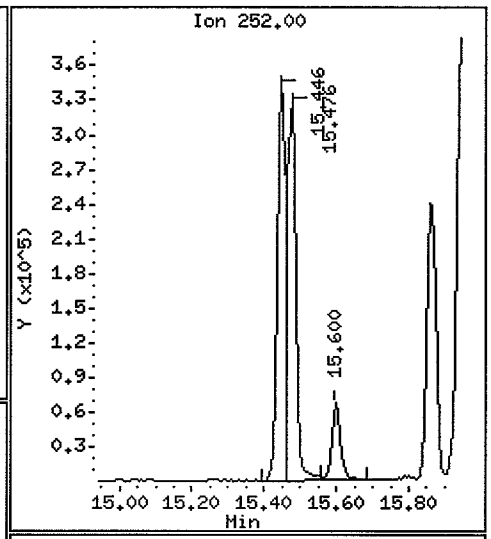
Concentration: 4976 ug/kg

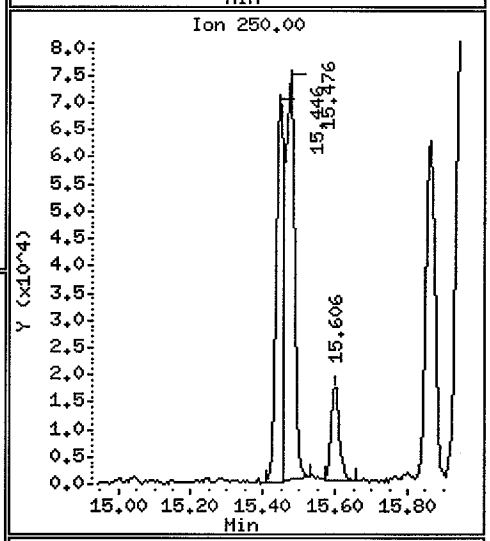


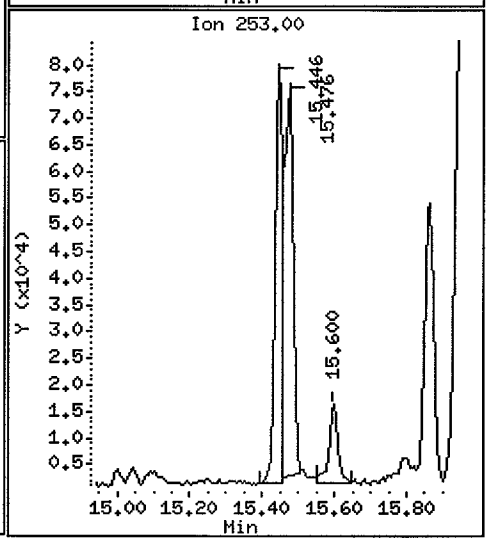












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

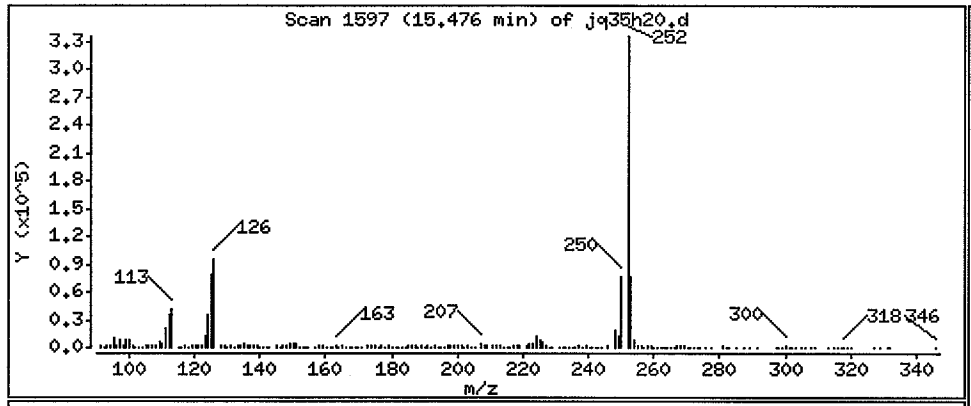
Operator: VTS

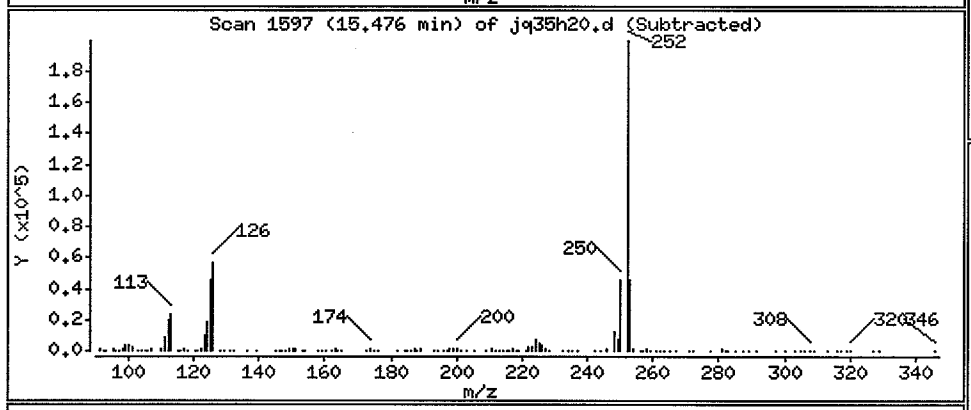
Column phase: ZB-5

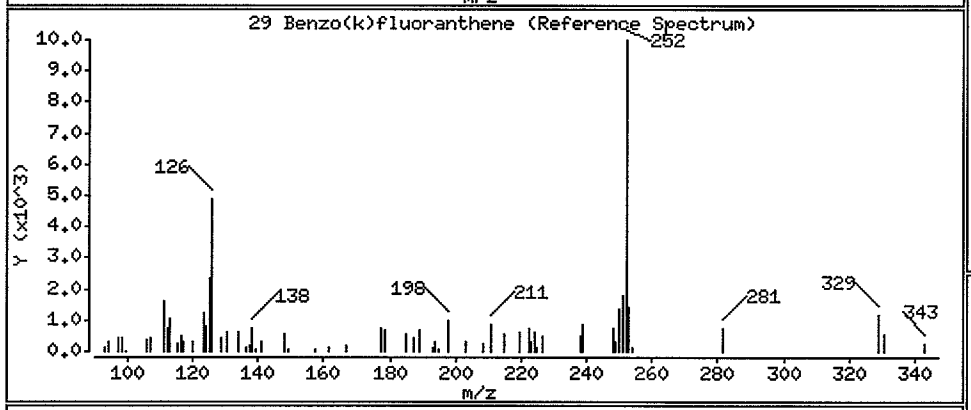
Column diameter: 0.25

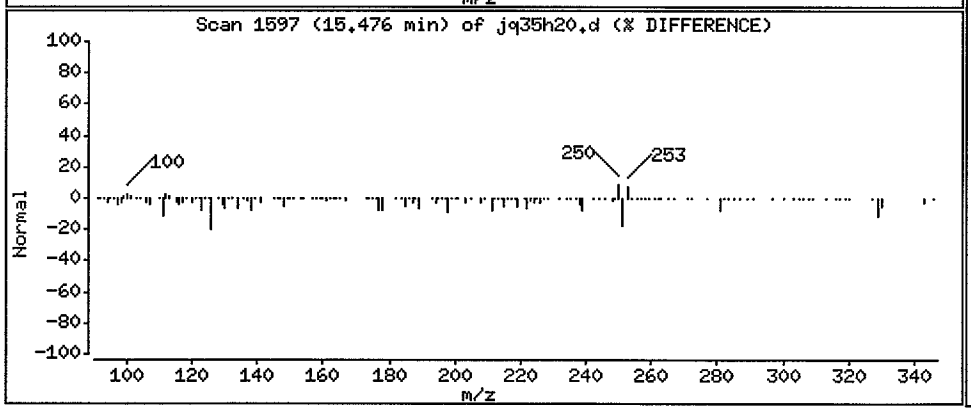
29 Benzo(k)fluoranthene

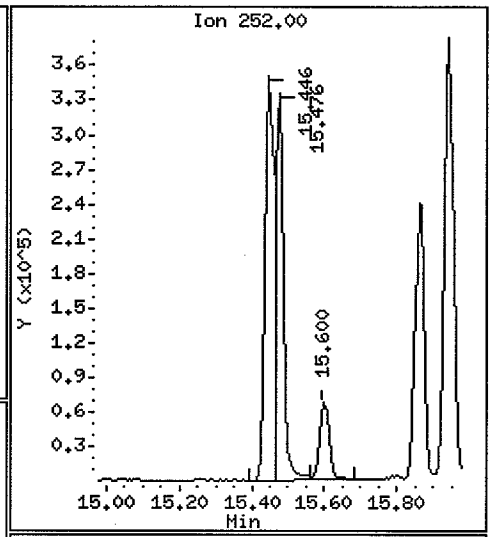
Concentration: 3936 ug/kg

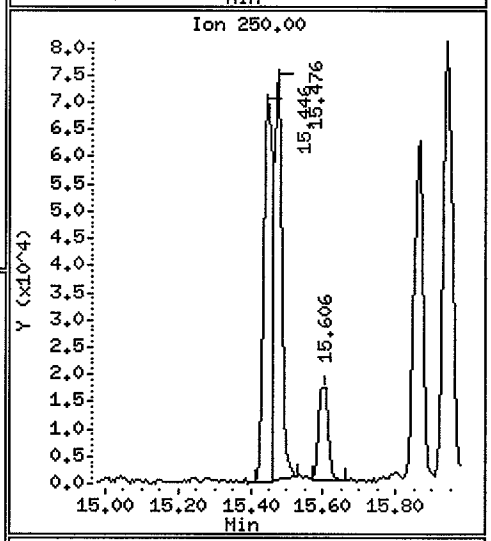


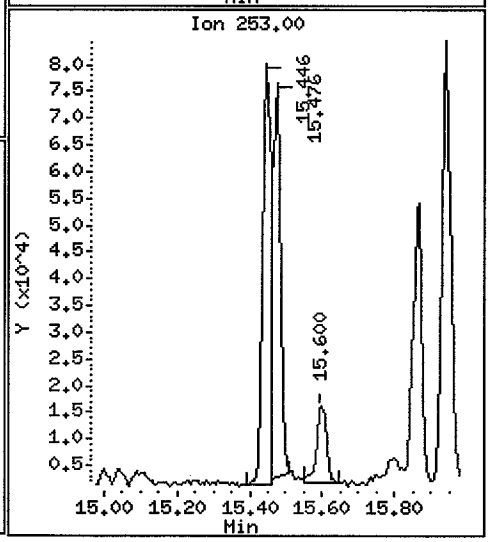












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

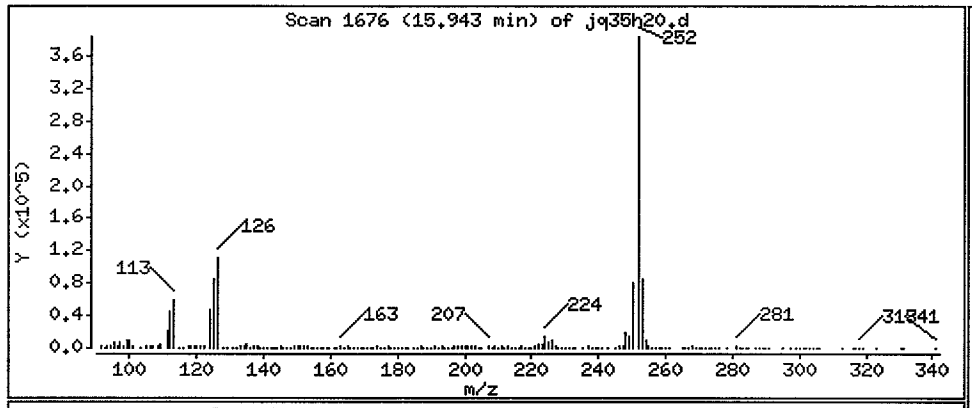
Operator: VTS

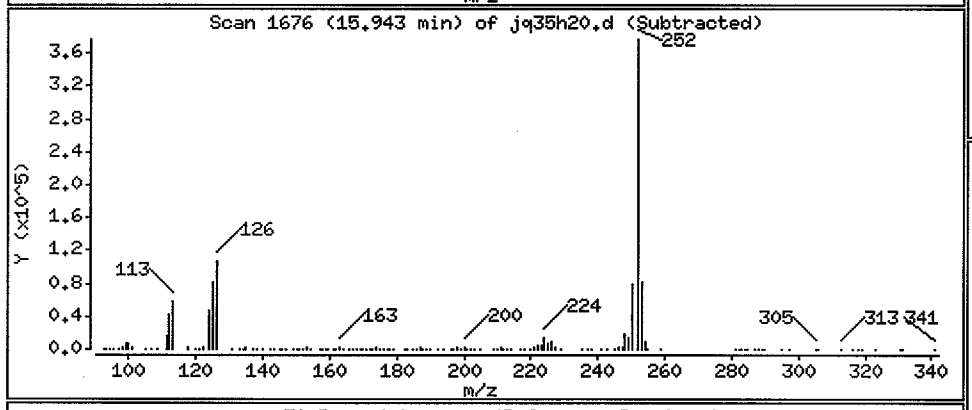
Column phase: ZB-5

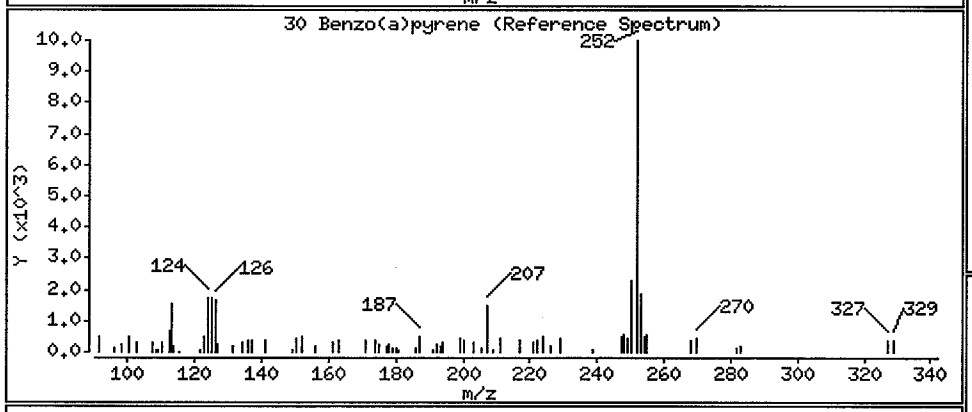
Column diameter: 0.25

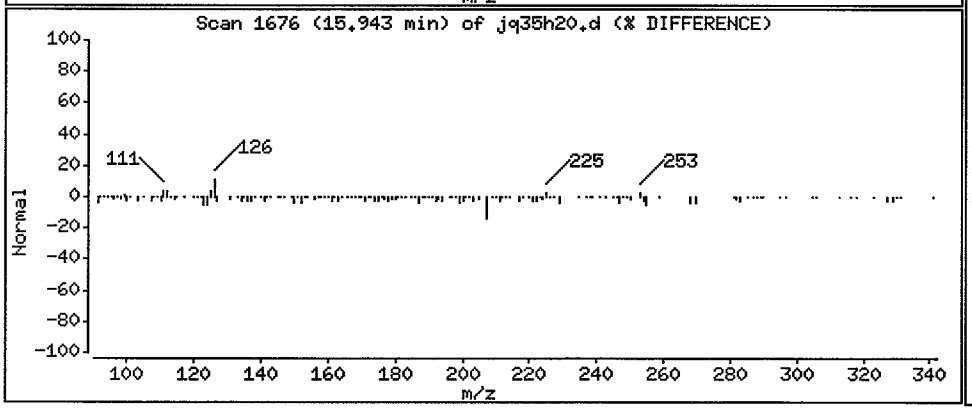
30 Benzo(a)pyrene

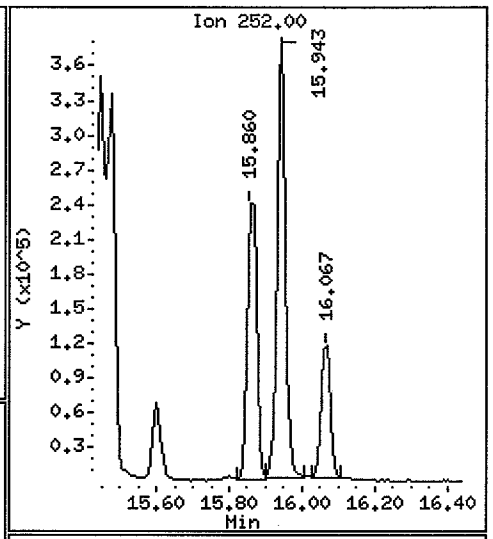
Concentration: 5153 ug/kg

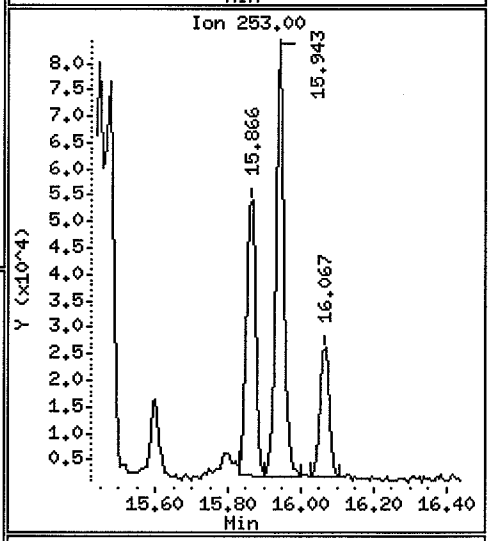


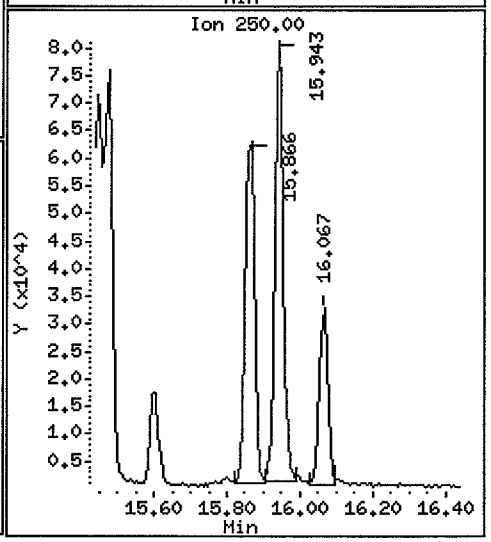












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

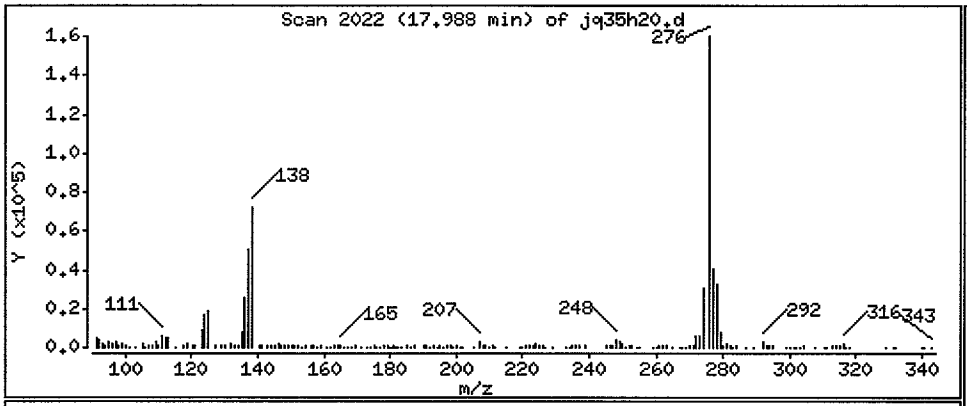
Operator: VTS

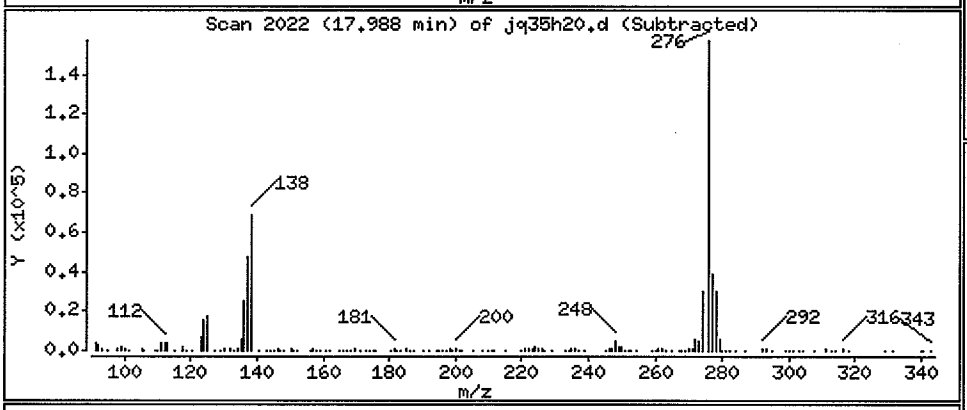
Column phase: ZB-5

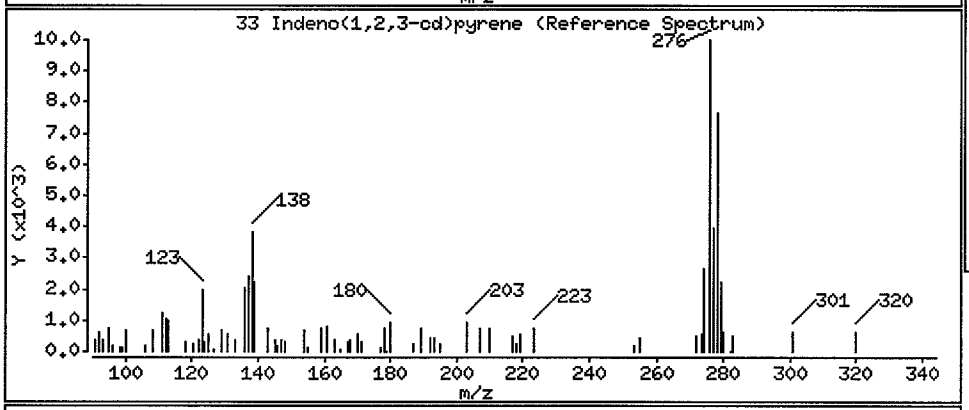
Column diameter: 0.25

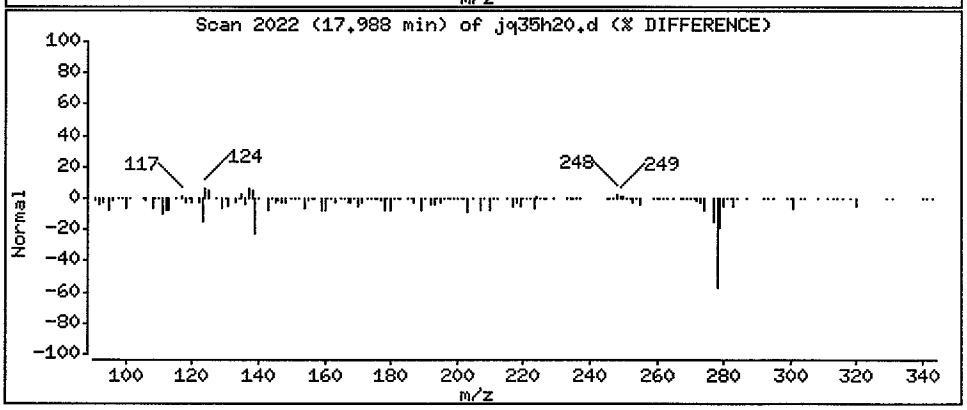
33 Indeno(1,2,3-cd)pyrene

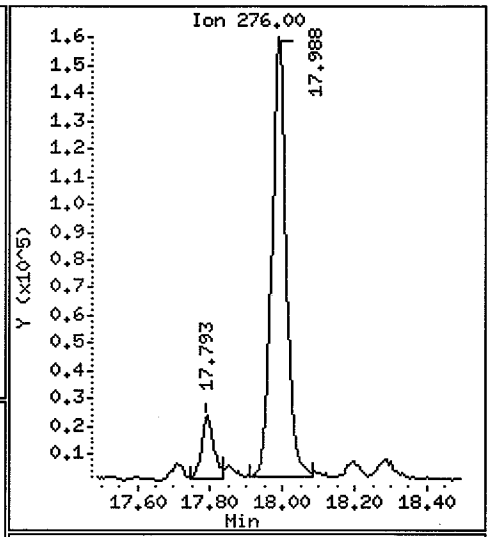
Concentration: 3150 ug/kg

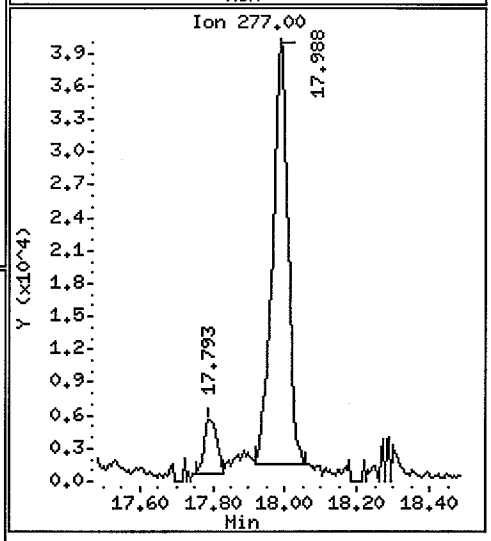












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

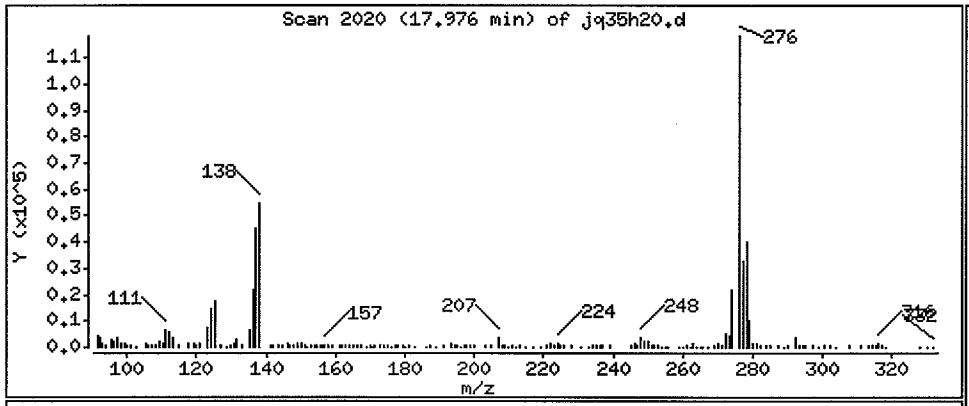
Operator: VTS

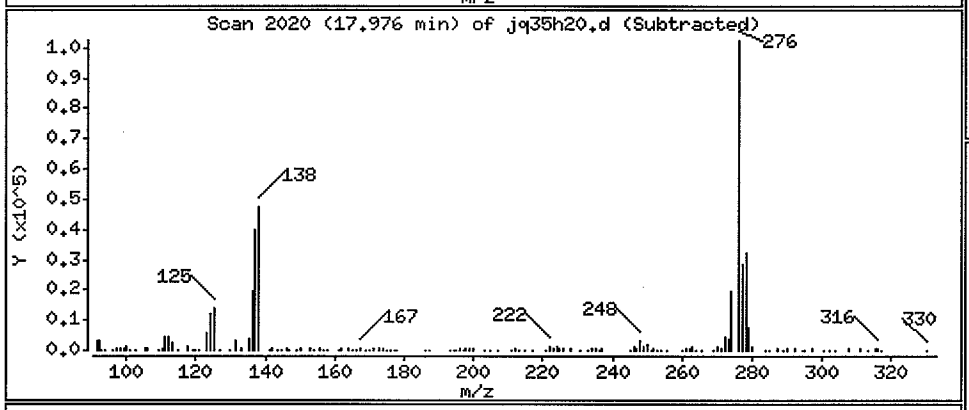
Column phase: ZB-5

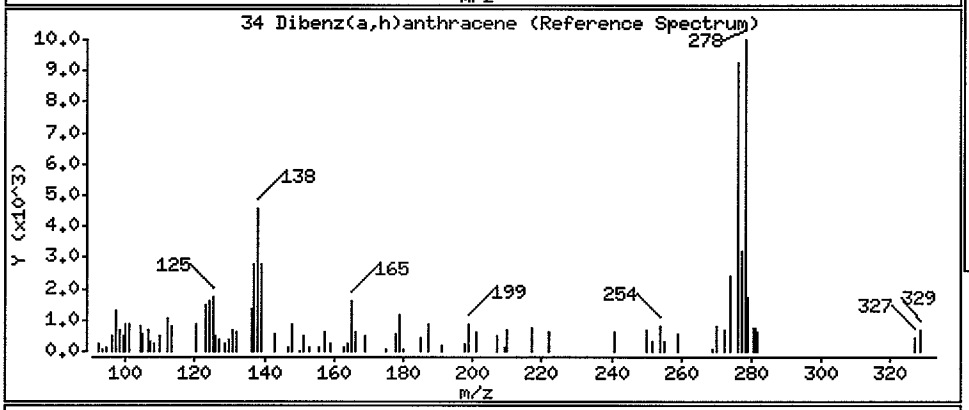
Column diameter: 0.25

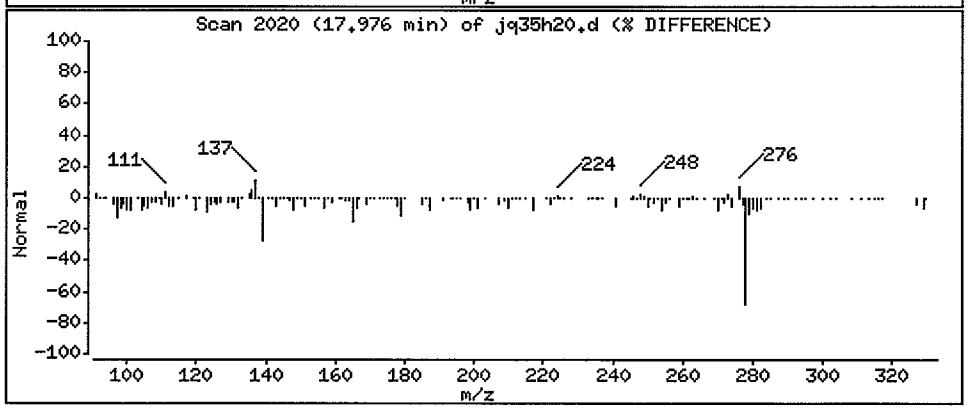
34 Dibenz(a,h)anthracene

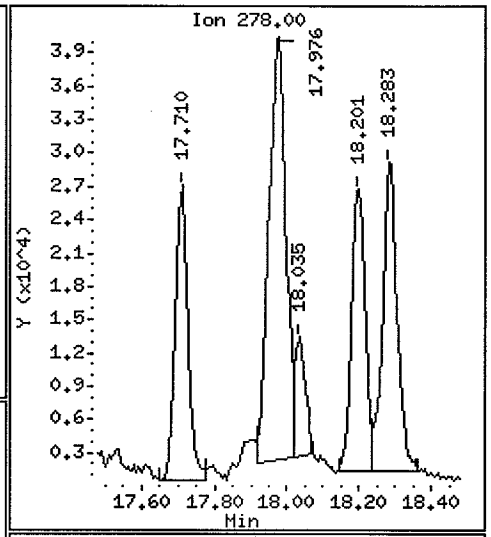
Concentration: 1086 ug/kg

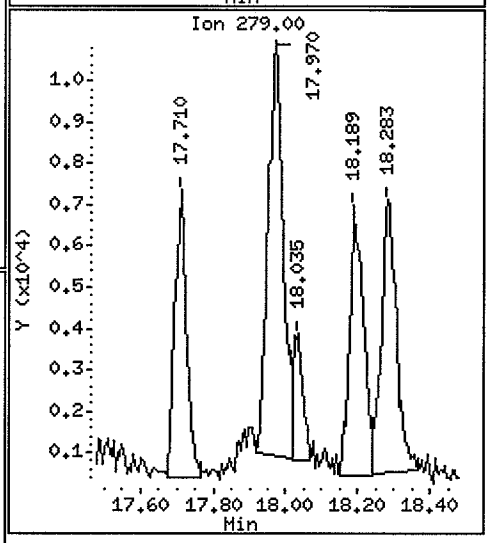












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

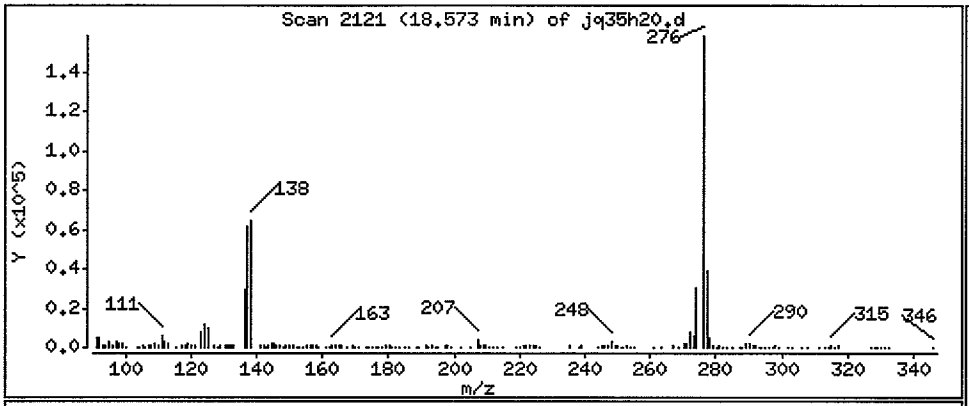
Operator: VTS

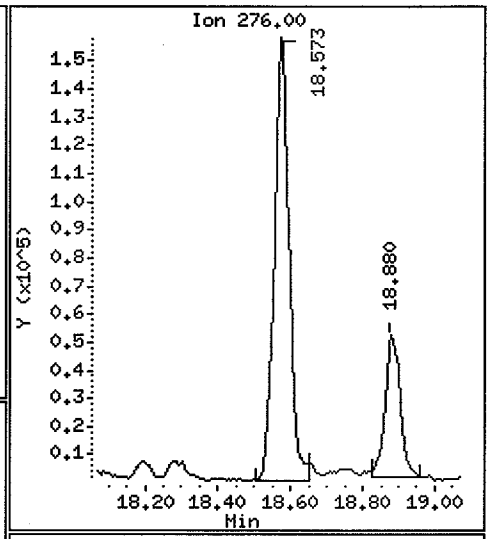
Column phase: ZB-5

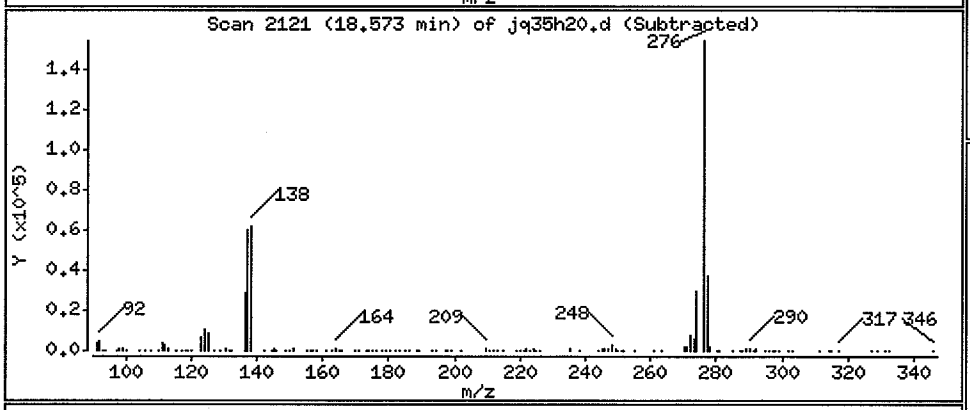
Column diameter: 0.25

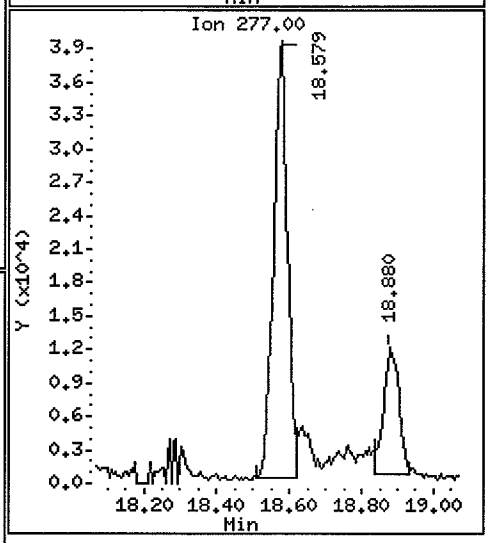
35 Benzo(g,h,i)perylene

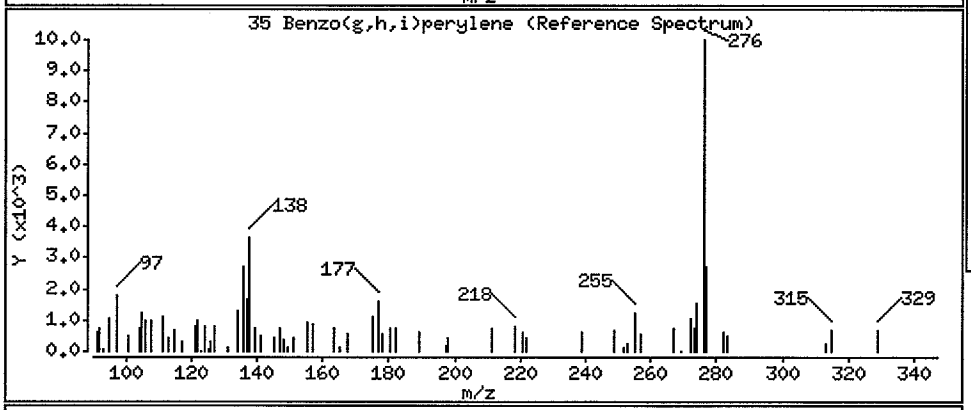
Concentration: 3786 ug/kg

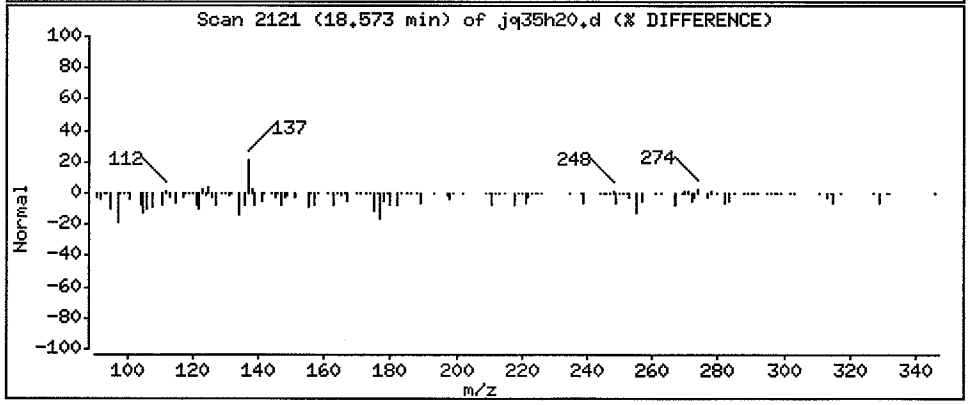












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

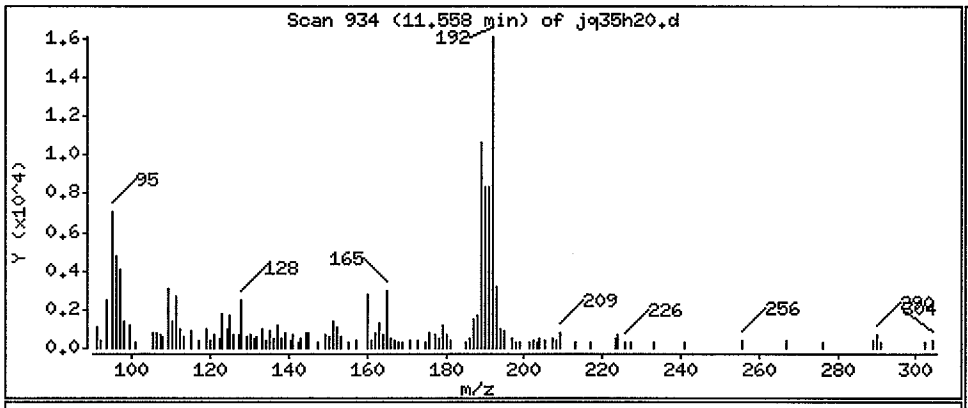
Operator: VTS

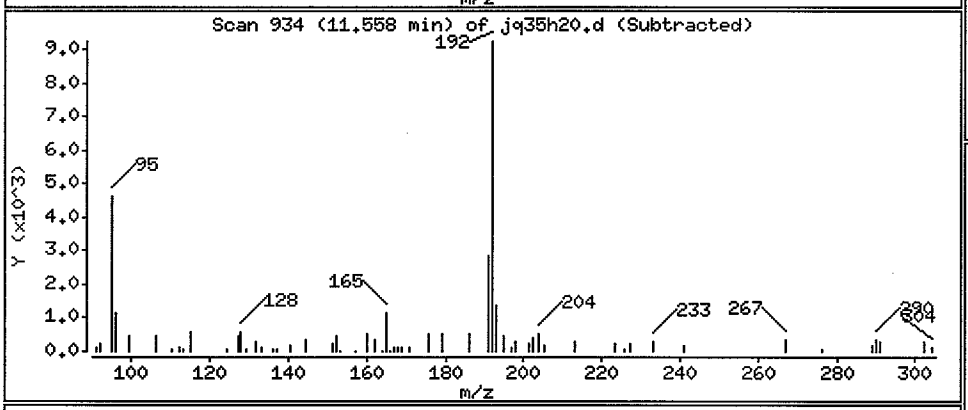
Column phase: ZB-5

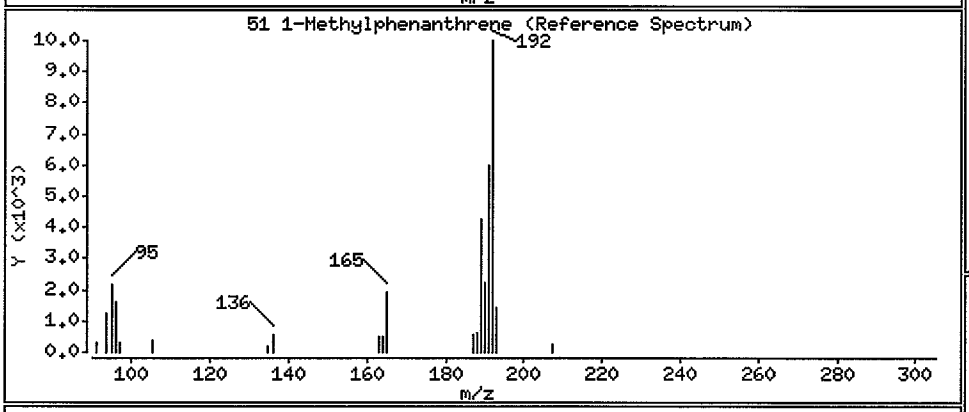
Column diameter: 0.25

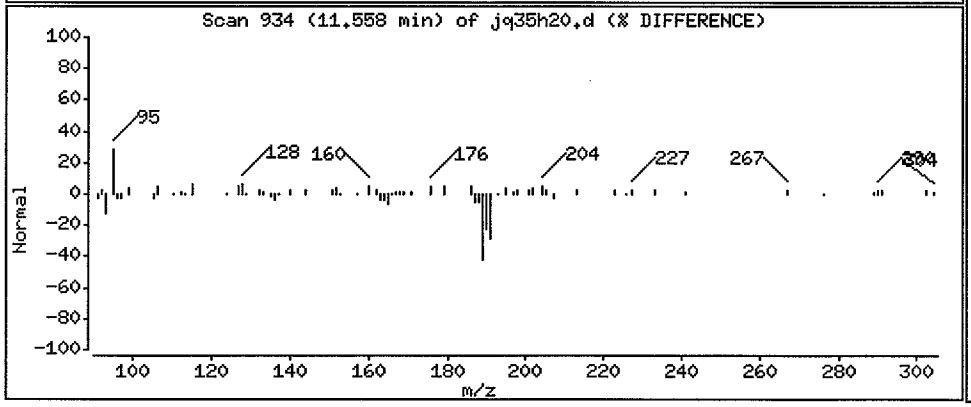
51 1-Methylphenanthrene

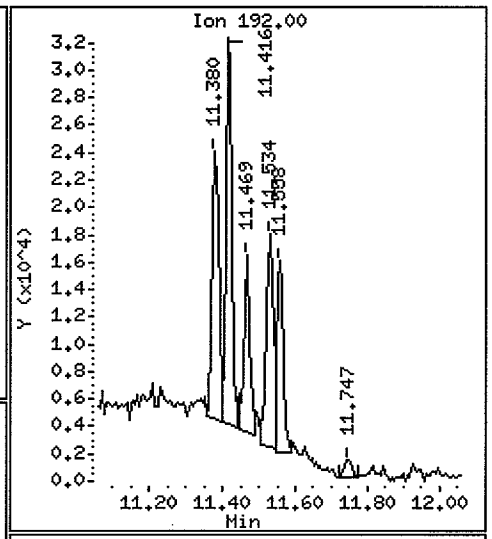
Concentration: 219.6 ug/kg

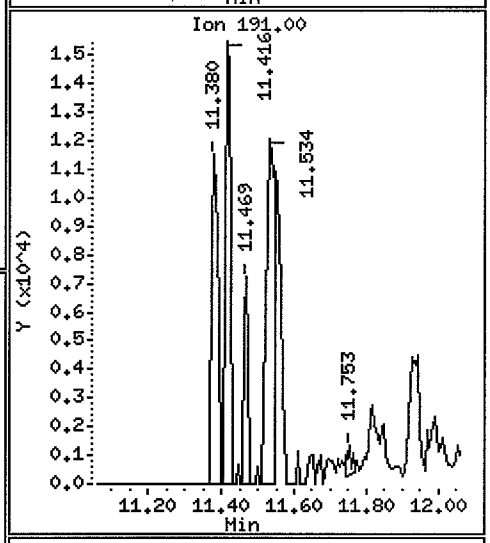


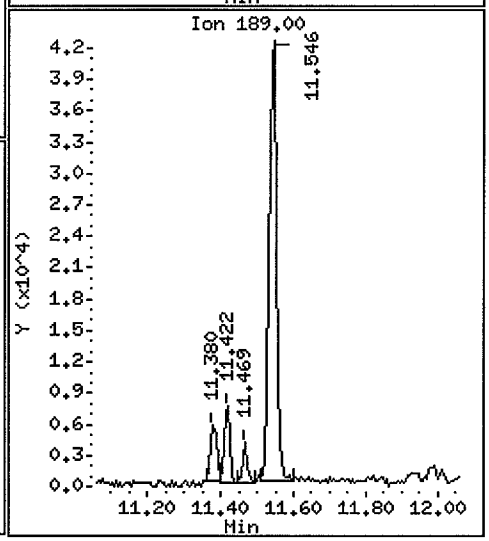












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

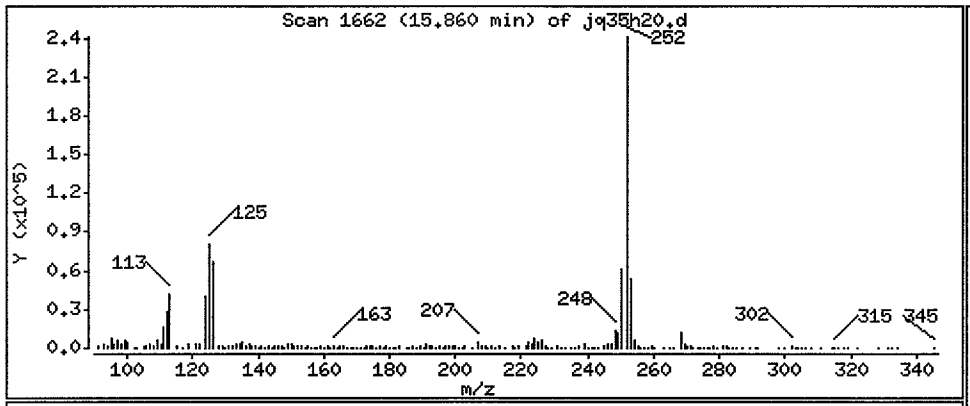
Operator: VTS

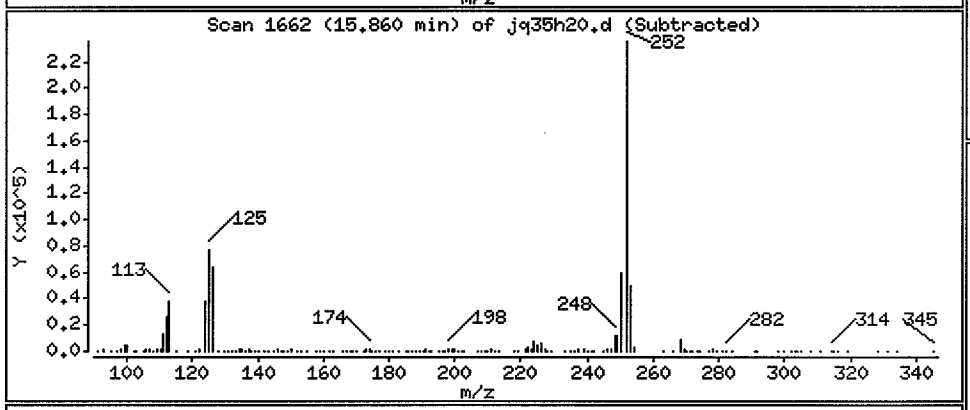
Column phase: ZB-5

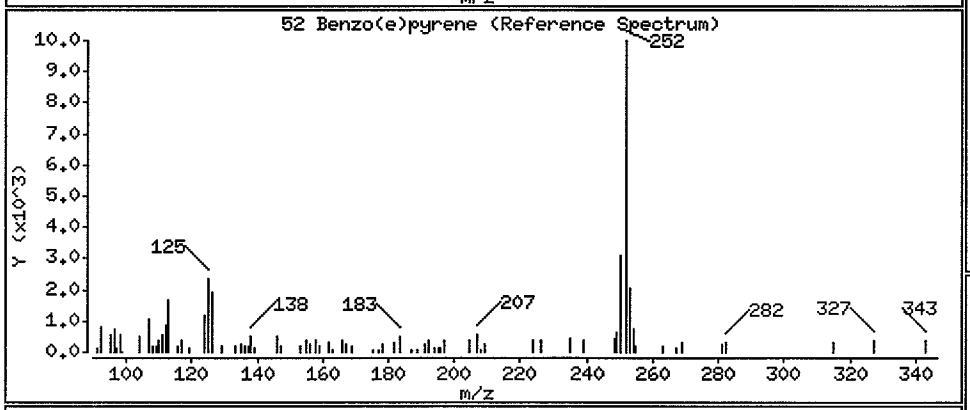
Column diameter: 0.25

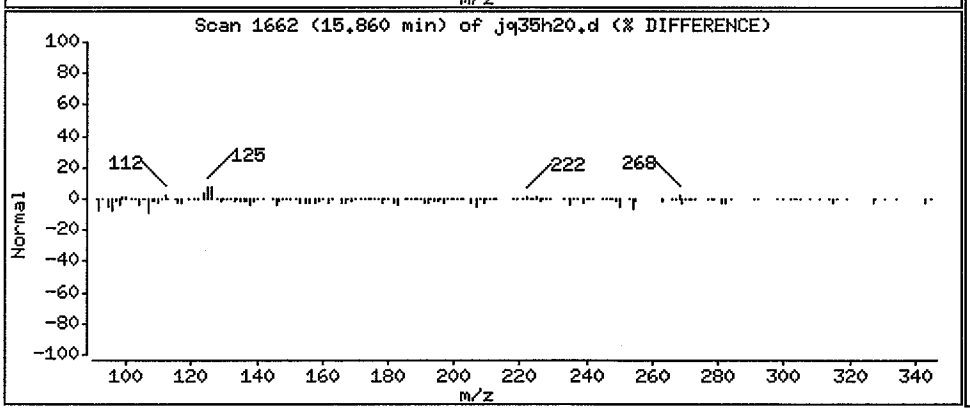
52 Benzo(e)pyrene

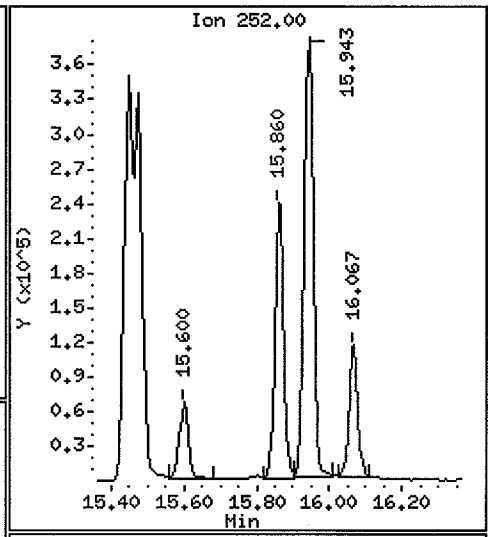
Concentration: 3000 ug/kg

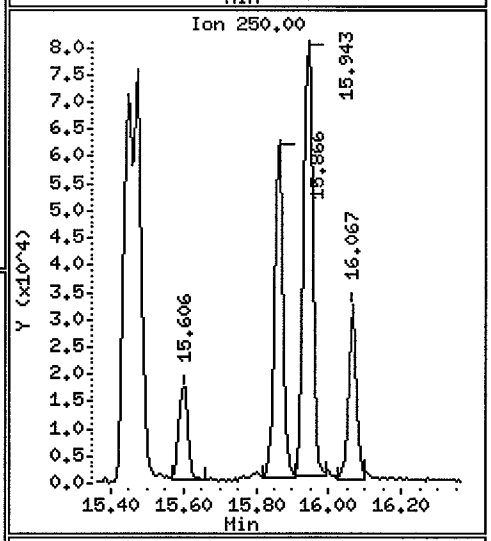


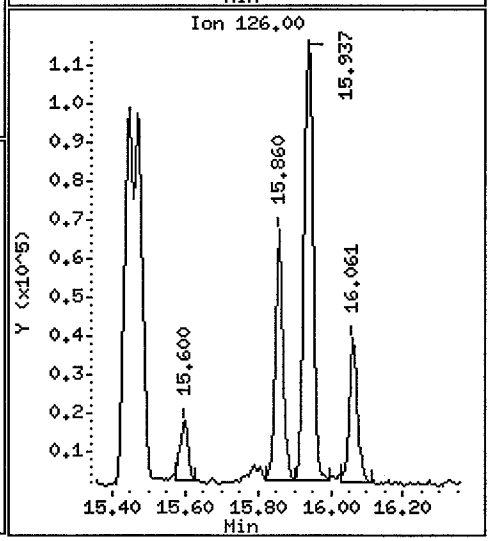












Data File: /chem3/nt1.i/20060808.b/jq35h20.d

Date : 08-AUG-2006 10:42

Client ID: T4-S3-05-E

Instrument: nt1.i

Sample Info: JQ35H,20

Volume Injected (uL): 1.0

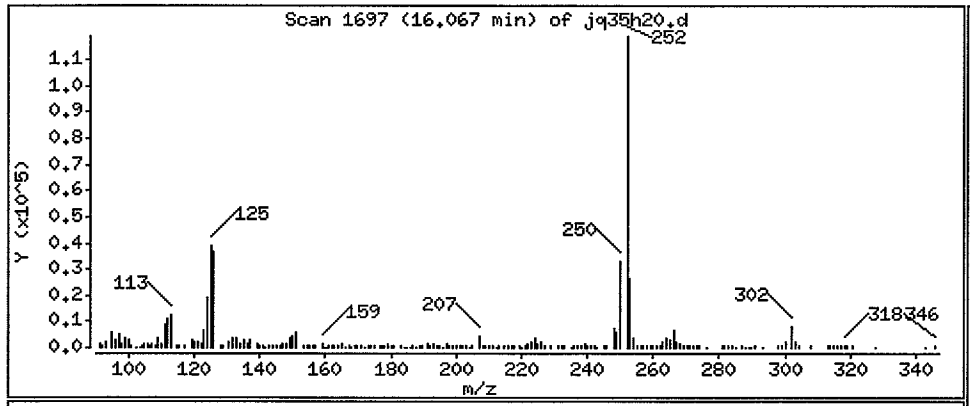
Operator: VTS

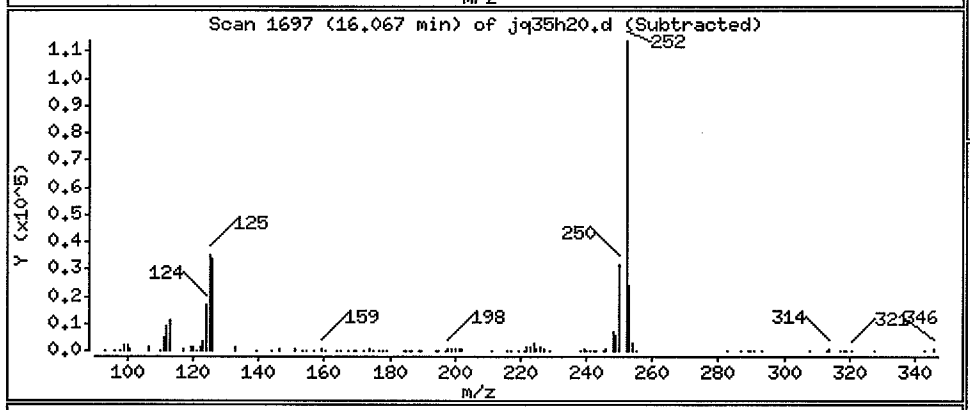
Column phase: ZB-5

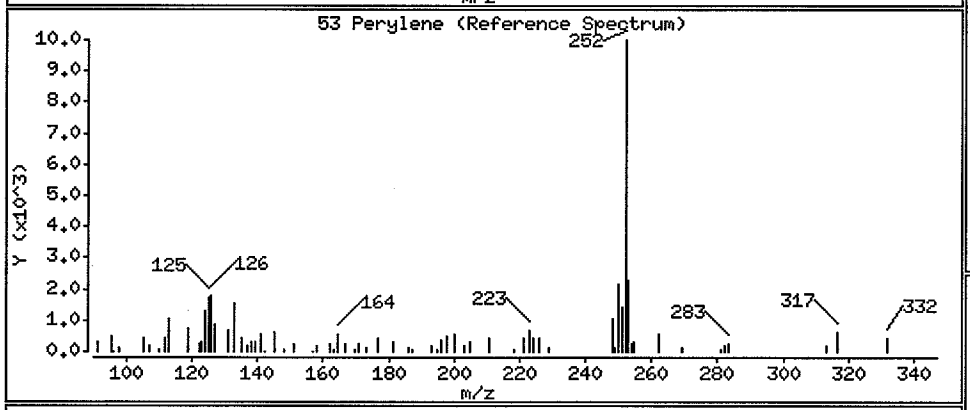
Column diameter: 0.25

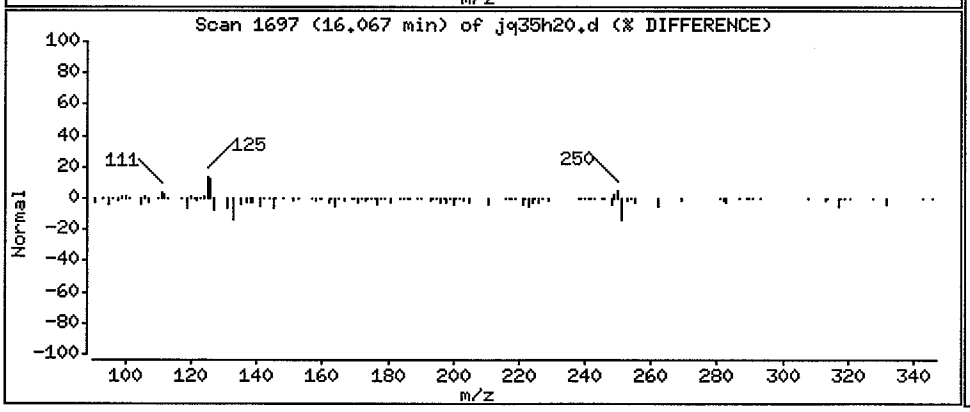
53 Perylene

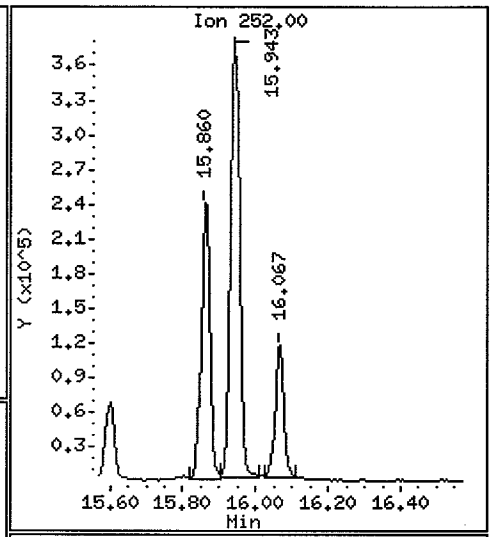
Concentration: 1530 ug/kg

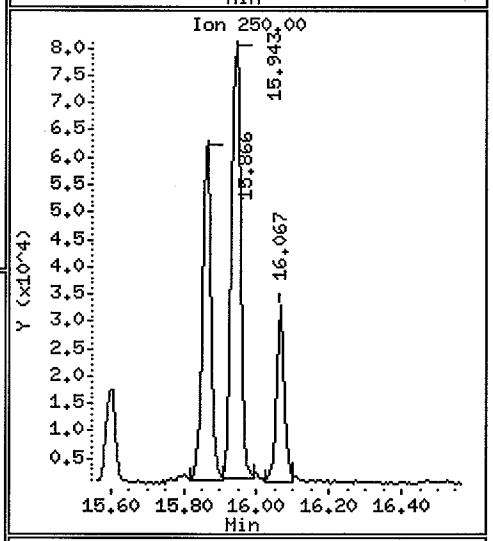


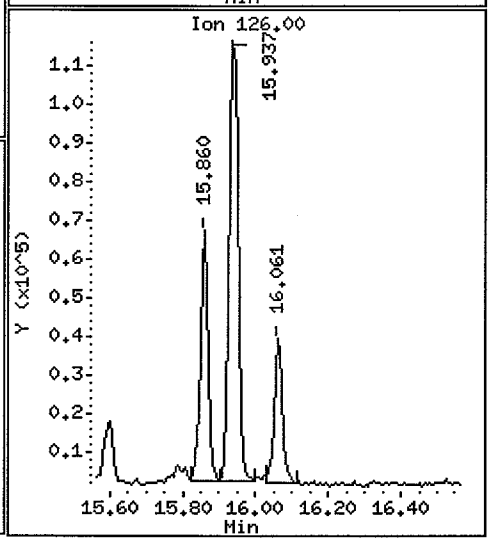






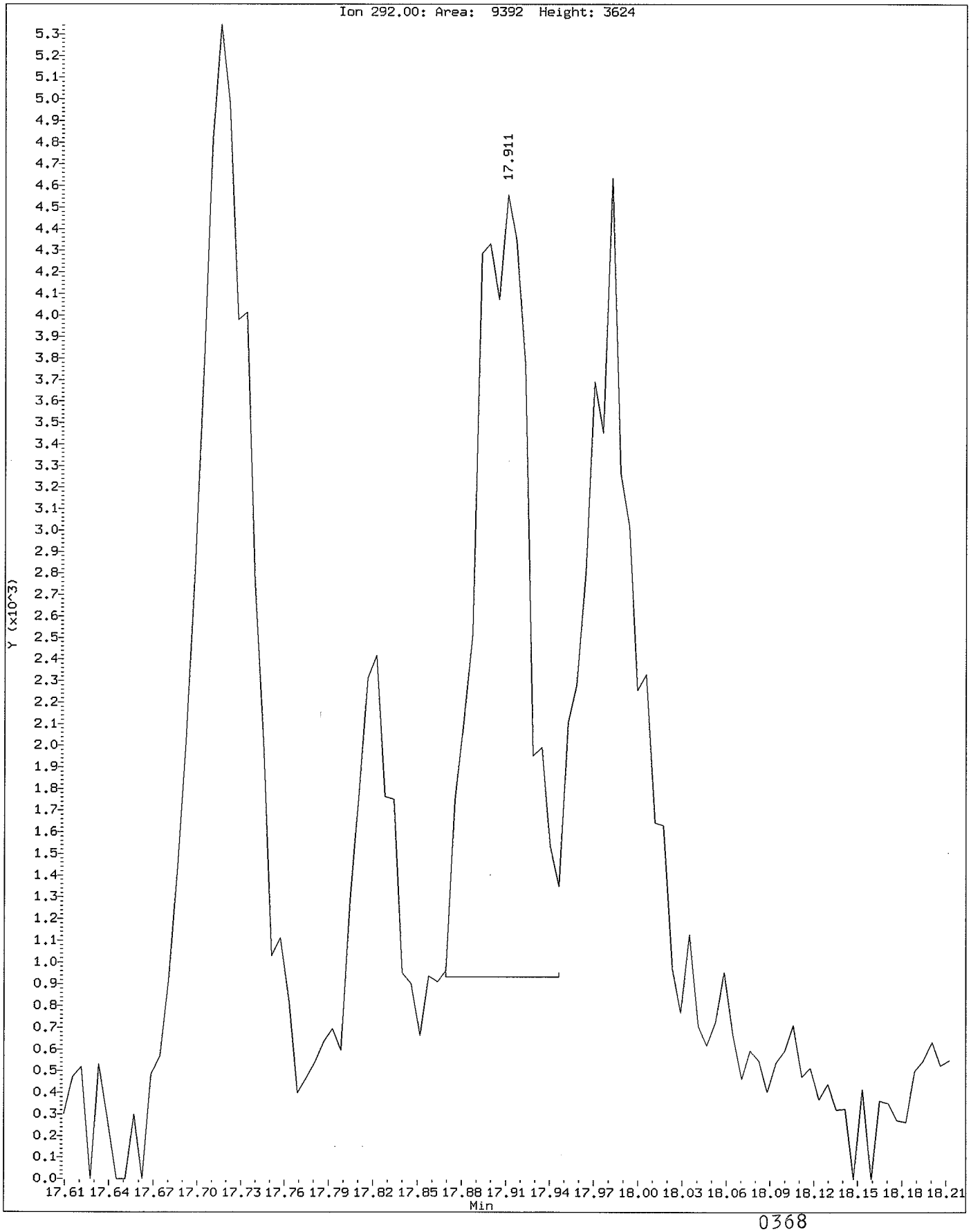






Data File: /chem3/nt1.i/20060808.b/jq35h20.d
Injection Date: 08-AUG-2006 10:42
Instrument: nt1.i
Client Sample ID: T4-S3-05-E

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



ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-05-F
SAMPLE

Lab Sample ID: JQ35I
LIMS ID: 06-12964
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/09/06
Date Analyzed: 08/10/06 21:14
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 2.83 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 43.7%
pH: 6.8

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**180**	**390**
91-57-6	**2-Methylnaphthalene**	**180**	**210**
90-12-0	**1-Methylnaphthalene**	**180**	**88 J**
208-96-8	Acenaphthylene	180	< 180 U
83-32-9	**Acenaphthene**	**180**	**1,900**
86-73-7	**Fluorene**	**180**	**810**
85-01-8	**Phenanthrene**	**180**	**7,500**
120-12-7	**Anthracene**	**180**	**1,700**
206-44-0	**Fluoranthene**	**180**	**18,000**
129-00-0	**Pyrene**	**180**	**14,000**
56-55-3	**Benzo(a)anthracene**	**180**	**11,000**
218-01-9	**Chrysene**	**180**	**13,000**
205-99-2	**Benzo(b)fluoranthene**	**180**	**14,000**
207-08-9	**Benzo(k)fluoranthene**	**180**	**14,000**
50-32-8	**Benzo(a)pyrene**	**180**	**15,000**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**180**	**6,600**
53-70-3	**Dibenz(a,h)anthracene**	**180**	**2,600**
191-24-2	**Benzo(g,h,i)perylene**	**180**	**6,600**
198-55-0	**Perylene**	**180**	**4,600**
92-52-4	Biphenyl	180	< 180 U
581-42-0	2,6-Dimethylnaphthalene	180	< 180 U
832-69-9	**1-Methylphenanthrene**	**180**	**420**
192-97-2	**Benzo(e)pyrene**	**180**	**9,200**
2245-38-7	2,3,5-Trimethylnaphthalene	180	< 180 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	77.7%
d14-Dibenzo(a,h)anthracen	86.7%

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060810.b/jq35ire.d
Lab Smp Id: JQ35I Client Smp ID: T4-S3-05-F
Inj Date : 10-AUG-2006 21:14
Operator : VTS Inst ID: nt1.i
Smp Info : JQ35I
Misc Info : 06-12964
Comment : 1ul Injection
Method : /chem3/nt1.i/20060810.b/simpna.m
Meth Date : 10-Aug-2006 14:25 van 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	5.03000	Weight of sample extracted (g)
M	43.70000	% 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	6.873	6.874	(1.000)	221931	2.00000	
2 Naphthalene	128	6.896	6.898	(1.003)	23837	0.21534	380.2
$ 3 2-Methylnaphthalene-d10	152	7.629	7.630	(1.110)	13339	0.23335	412.0
4 2-Methylnaphthalene	142	7.665	7.666	(1.115)	7765	0.11846	209.2
5 1-Methylnaphthalene	142	7.795	7.796	(1.134)	3619	0.05263	92.92 J
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.935	8.937	(1.000)	107051	2.00000	
9 Acenaphthene	153	8.971	8.972	(1.004)	55040	1.04711	1849
10 Dibenzofuran	168	9.160	9.161	(1.025)	12408	0.16026	283.0
11 Fluorene	166	9.585	9.587	(1.073)	27969	0.46403	819.3
* 15 Phenanthrene-d10	188	10.744	10.745	(1.000)	161206	2.00000	
16 Phenanthrene	178	10.773	10.775	(1.003)	351870	4.25248	7508
17 Anthracene	178	10.827	10.828	(1.008)	77661	0.93920	1658
19 Fluoranthene	202	12.269	12.270	(1.142)	839843	9.95104	17570

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
20 Pyrene	202	12.558	12.554	(0.893)	847580	8.18002	14440
22 Benzo(a)anthracene	228	14.036	14.037	(0.998)	597385	6.14780	10850
* 23 Chrysene-d12	240	14.059	14.055	(1.000)	161363	2.00000	
24 Chrysene	228	14.089	14.090	(1.002)	680656	7.59443	13410
28 Benzo(b)fluoranthene	252	15.430	15.426	(0.964)	746452	7.76765	13710
29 Benzo(k)fluoranthene	252	15.460	15.455	(0.966)	815945	7.96438	14060
30 Benzo(a)pyrene	252	15.927	15.916	(0.995)	814448	8.69786	15360
* 31 Perylene-d12	264	16.004	15.999	(1.000)	170272	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	17.954	17.949	(1.122)	403012	3.74258	6608
$ 32 Dibenz(a,h)anthrancene-d14	292	17.877	17.873	(1.117)	16916	0.25961	458.4
34 Dibenz(a,h)anthracene	278	17.942	17.944	(1.121)	130264	1.48078	2614
35 Benzo(g,h,i)perylene	276	18.545	18.529	(1.159)	335475	3.74780	6617
48 Biphenyl	154	Compound Not Detected.					
49 2,6-Dimethylnaphthalene	156	8.397	8.399	(0.940)	2721	0.05224	92.23 J
50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
51 1-Methylphenanthrene	192	11.548	11.549	(0.821)	15695	0.23763	419.6
52 Benzo(e)pyrene	252	15.844	15.840	(0.990)	537722	5.18790	9160
53 Perylene	252	16.045	16.040	(1.003)	254218	2.61221	4612

VTS

8.11.2006

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq35ire.d
Lab Smp Id: JQ35I
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060810.b/simpna.m
Misc Info: 06-12964

Calibration Date: 10-AUG-2006
Calibration Time: 13:23
Client Smp ID: T4-S3-05-F
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	253209	126604	506418	221931	-12.35
8 Acenaphthene-d10	122198	61099	244396	107051	-12.40
15 Phenanthrene-d10	181565	90782	363130	161206	-11.21
23 Chrysene-d12	143956	71978	287912	161363	12.09
31 Perylene-d12	157395	78698	314790	170272	8.18

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.87	6.37	7.37	6.87	-0.02
8 Acenaphthene-d10	8.94	8.44	9.44	8.94	-0.01
15 Phenanthrene-d10	10.75	10.25	11.25	10.74	-0.01
23 Chrysene-d12	14.05	13.55	14.55	14.06	0.03
31 Perylene-d12	16.00	15.50	16.50	16.00	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

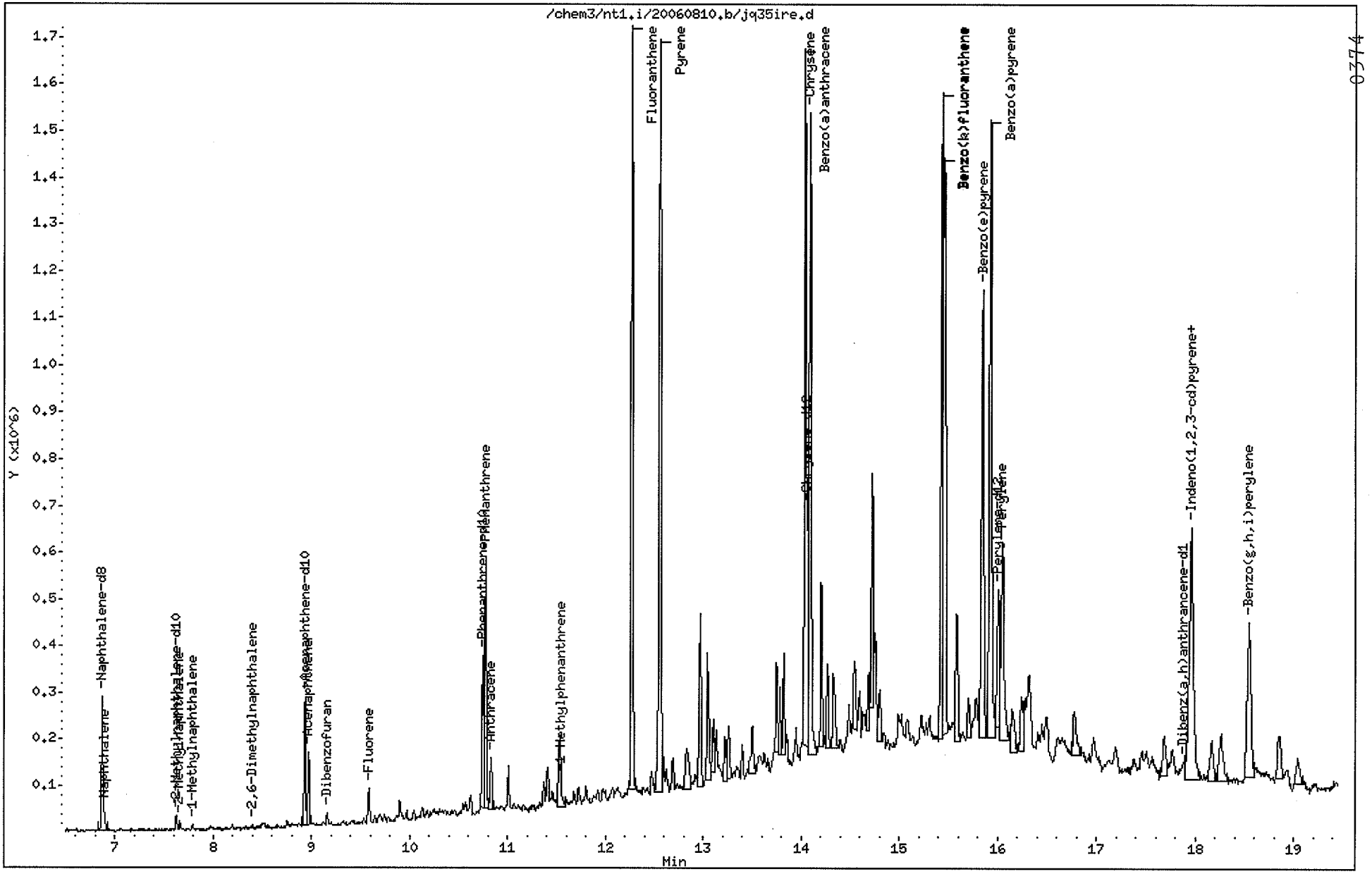
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35I
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060810.b/simpna.m
Misc Info: 06-12964

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-05-F
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	529.7	412.0	77.78	32-97
$ 32 Dibenz(a,h)anthran	529.7	458.4	86.54	21-105

Data File: /chem3/nt1.i/20060810.b/jq35ire.d
Date : 10-AUG-2006 21:14
Client ID: T4-S3-05-F
Sample Info: JQ35I
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0774

Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

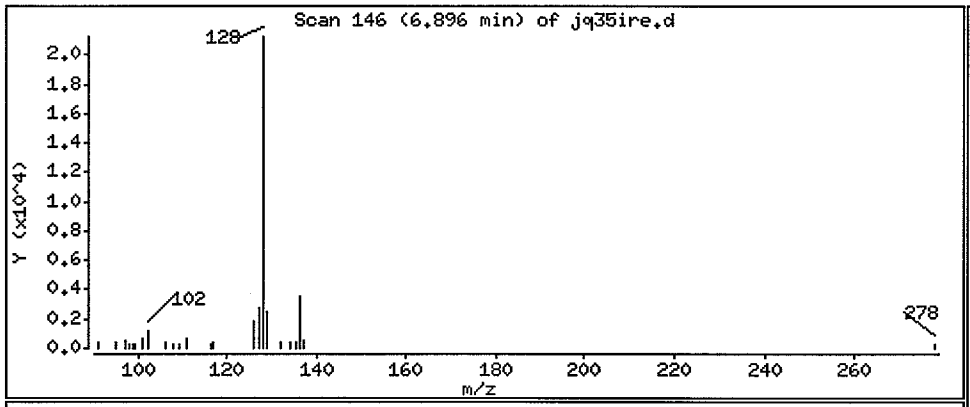
Operator: VTS

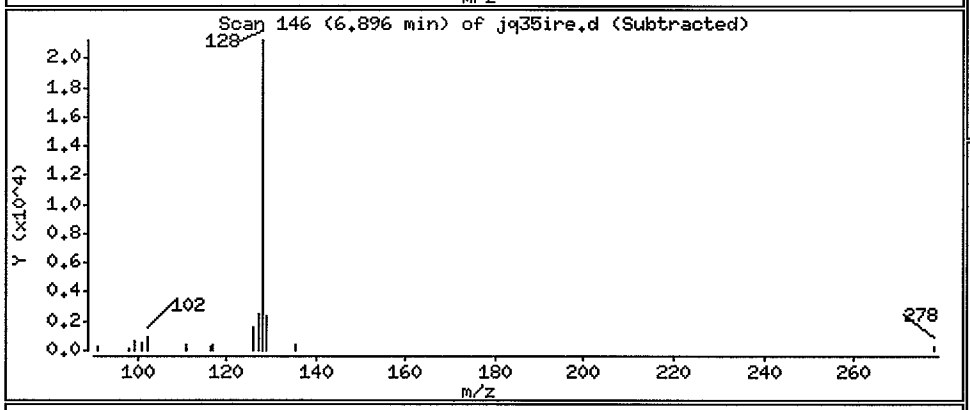
Column phase: ZB-5

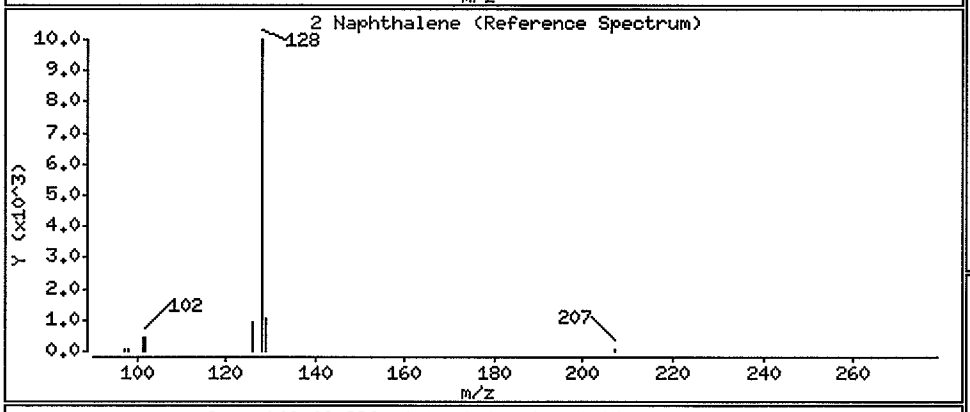
Column diameter: 0.25

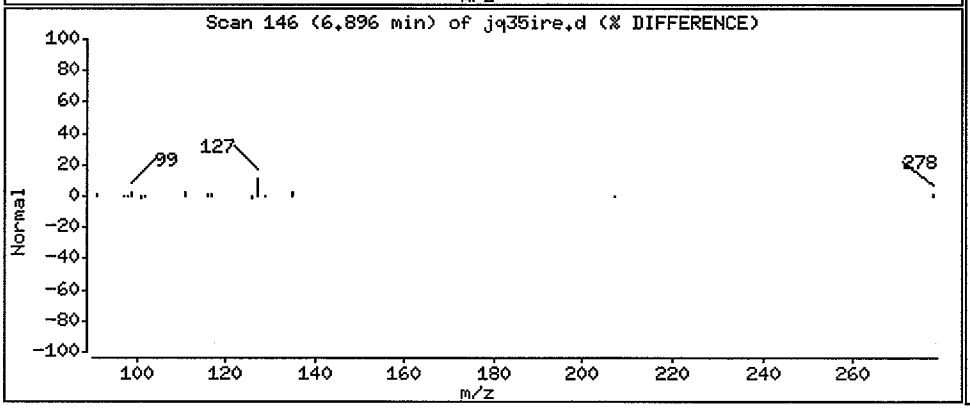
2 Naphthalene

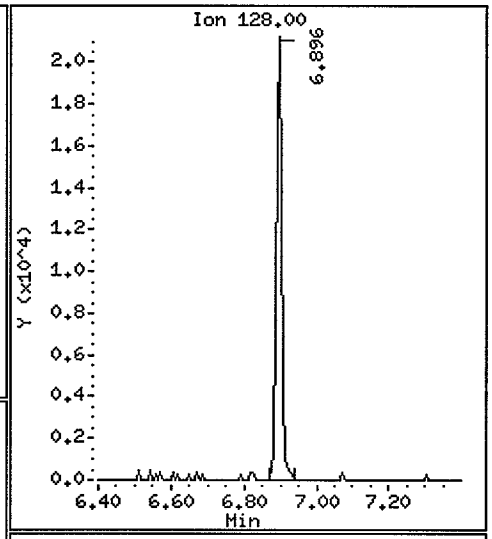
Concentration: 380.2 ug/kg

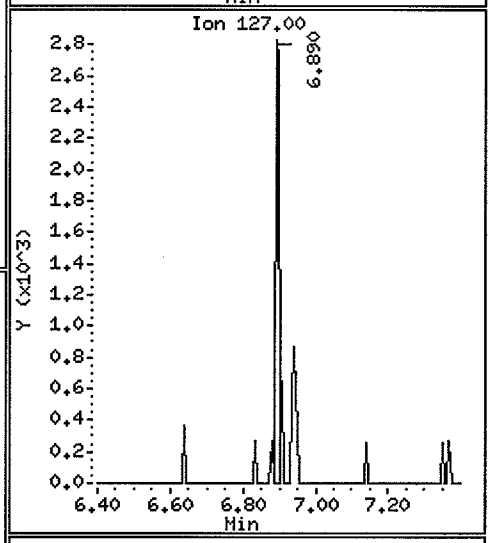


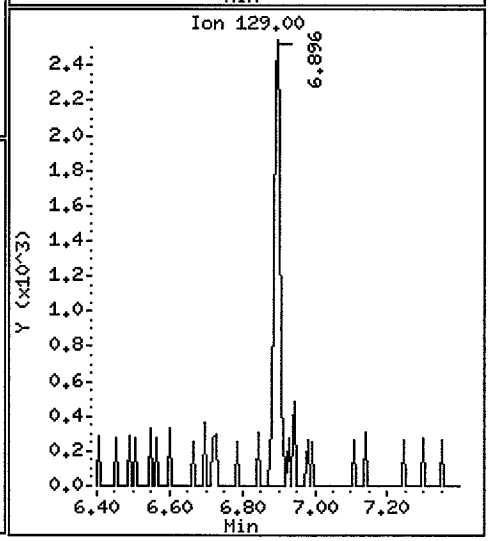












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

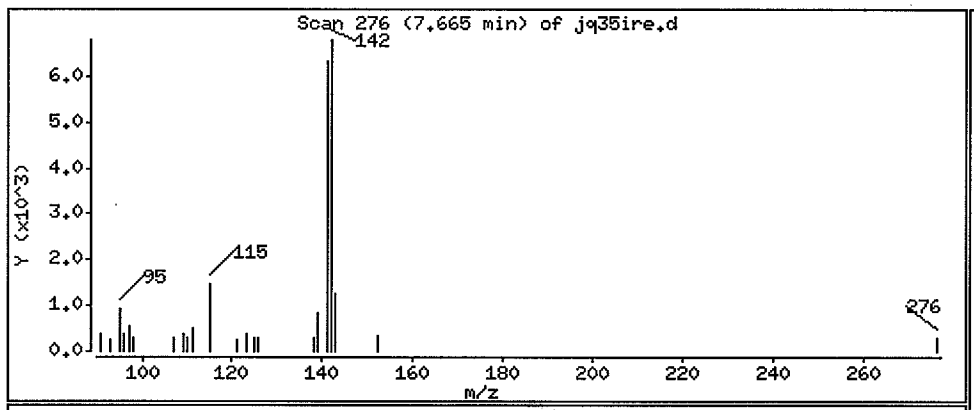
Operator: VTS

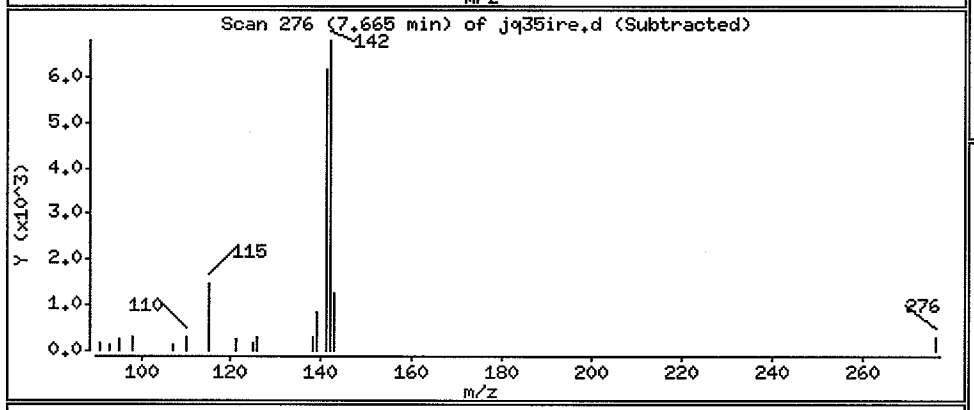
Column phase: ZB-5

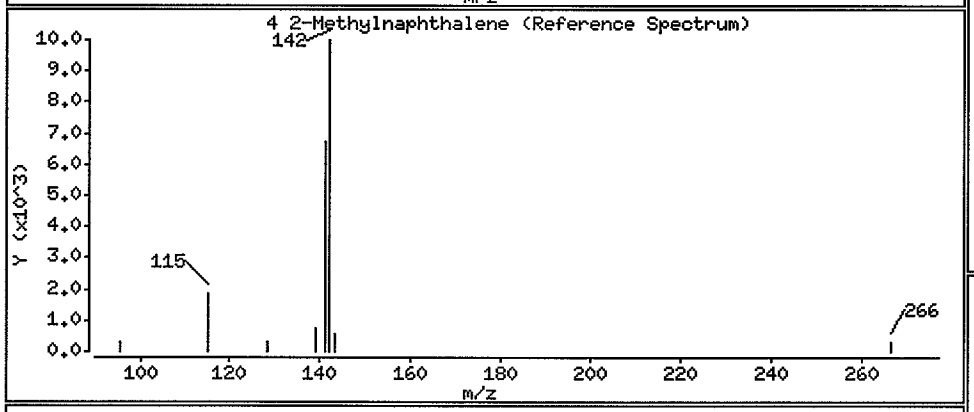
Column diameter: 0.25

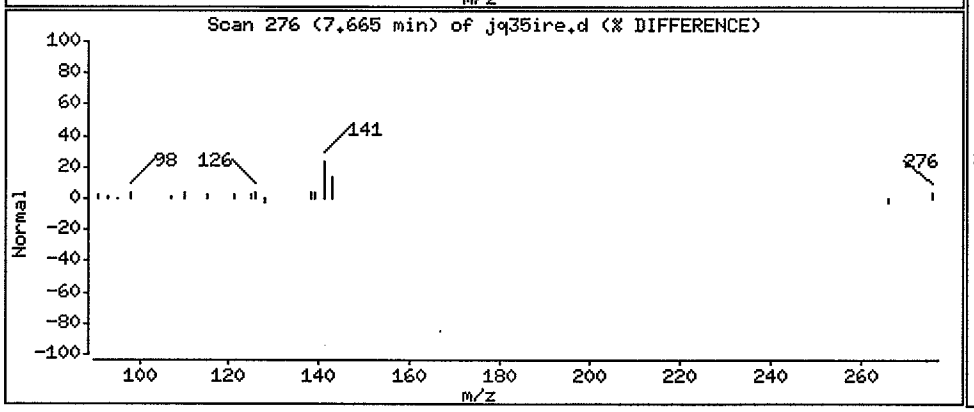
4 2-Methylnaphthalene

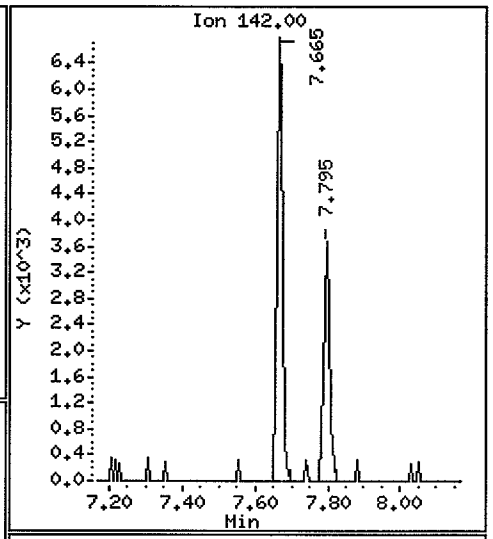
Concentration: 209.2 ug/kg

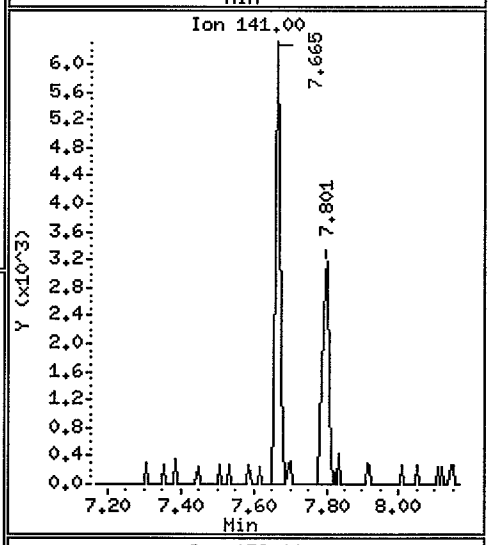


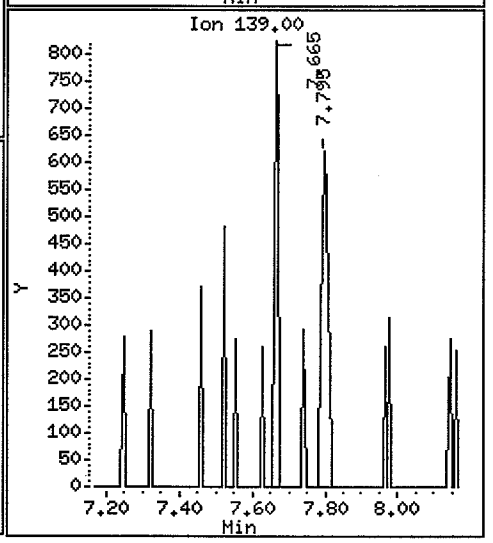












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

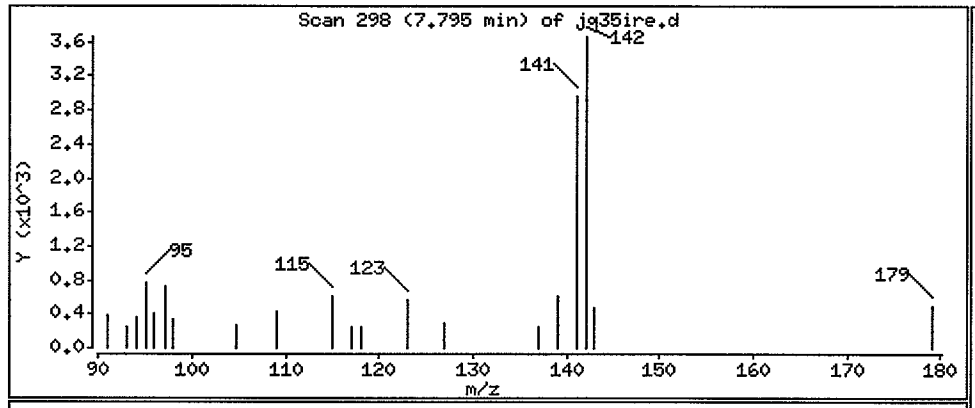
Operator: VTS

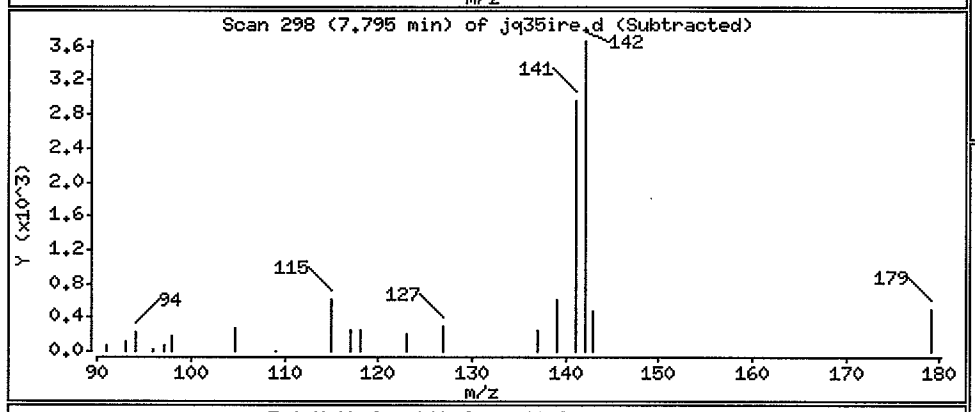
Column phase: ZB-5

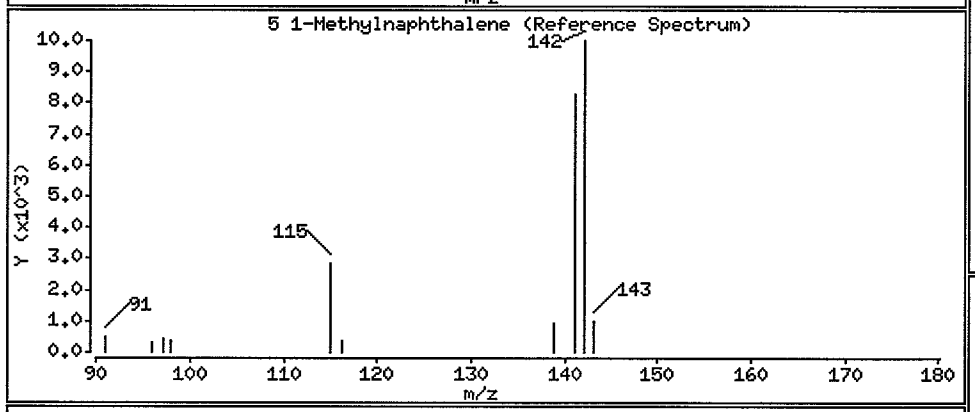
Column diameter: 0.25

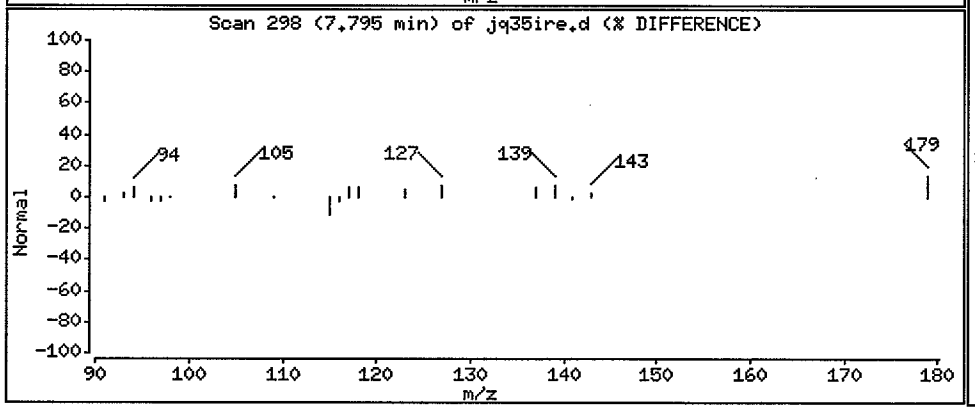
5 1-Methylnaphthalene

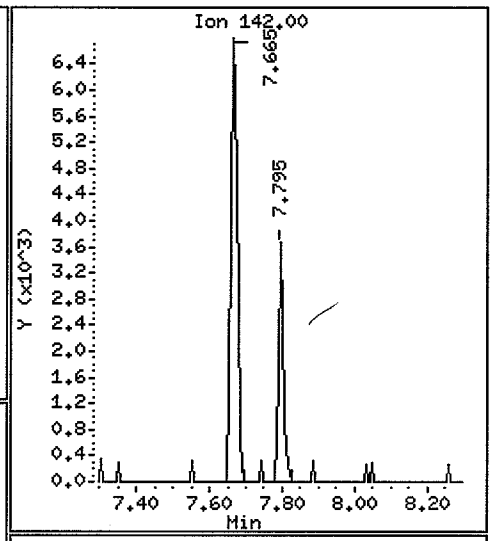
Concentration: 92.92 ug/kg

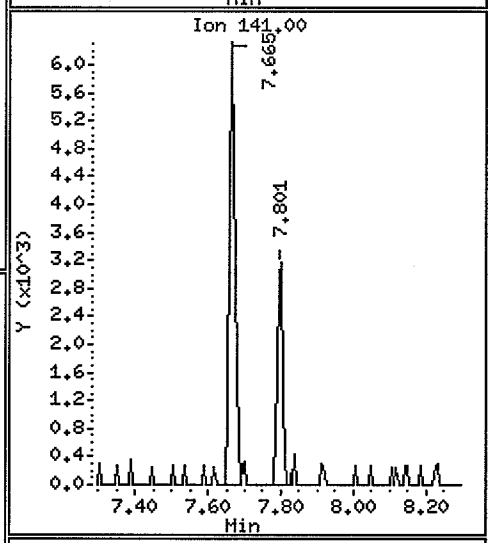


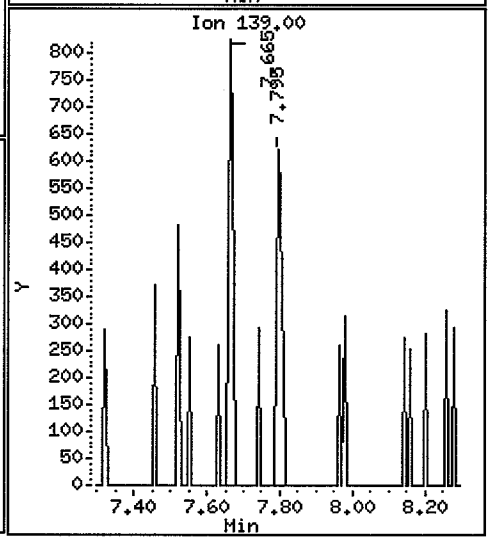












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

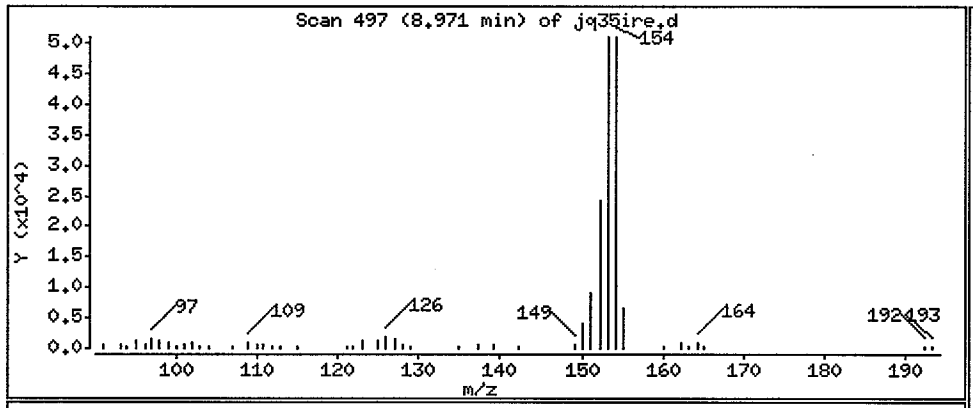
Operator: VTS

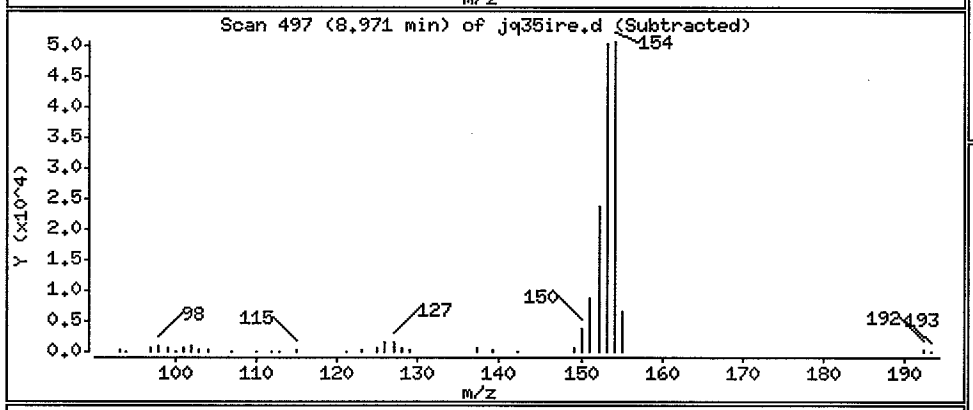
Column phase: ZB-5

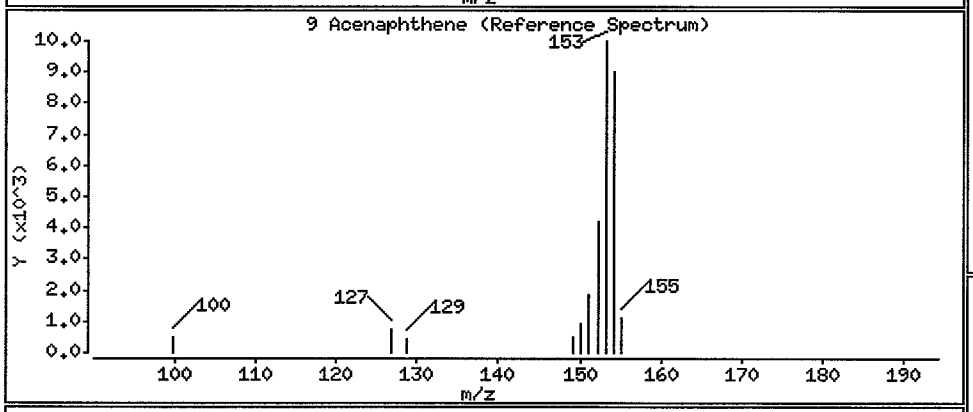
Column diameter: 0.25

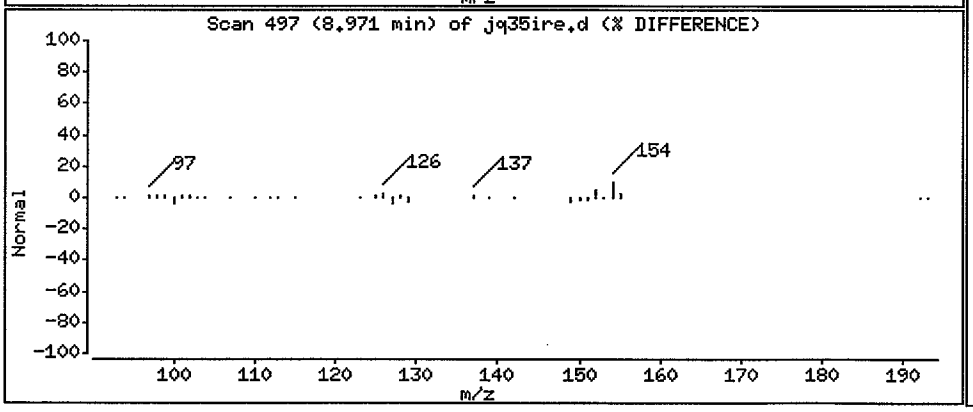
9 Acenaphthene

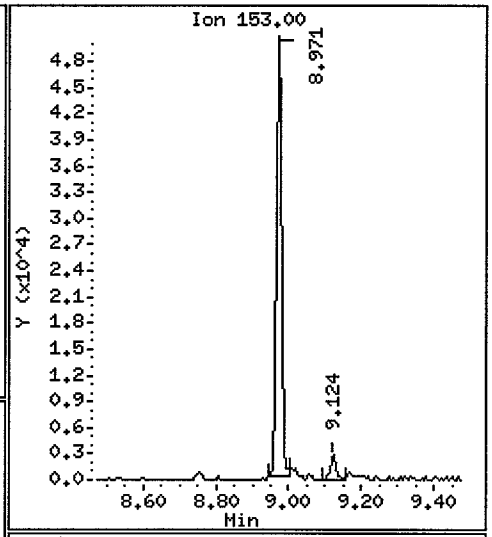
Concentration: 1849 ug/kg

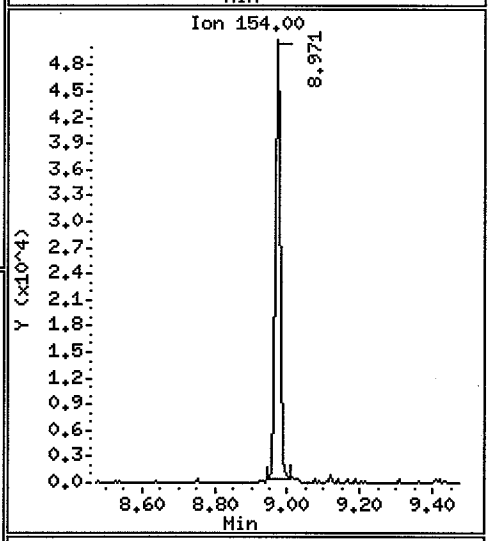


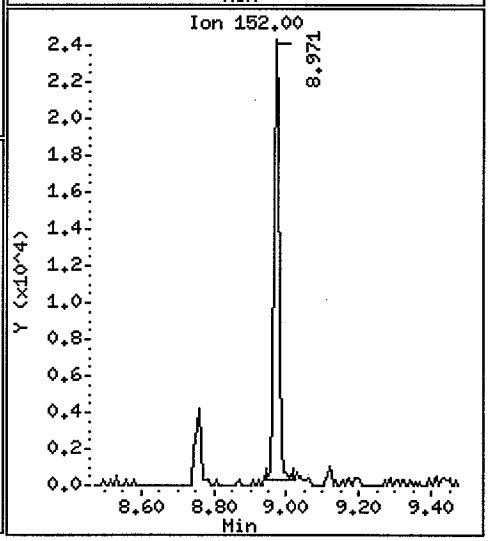












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

Operator: VTS

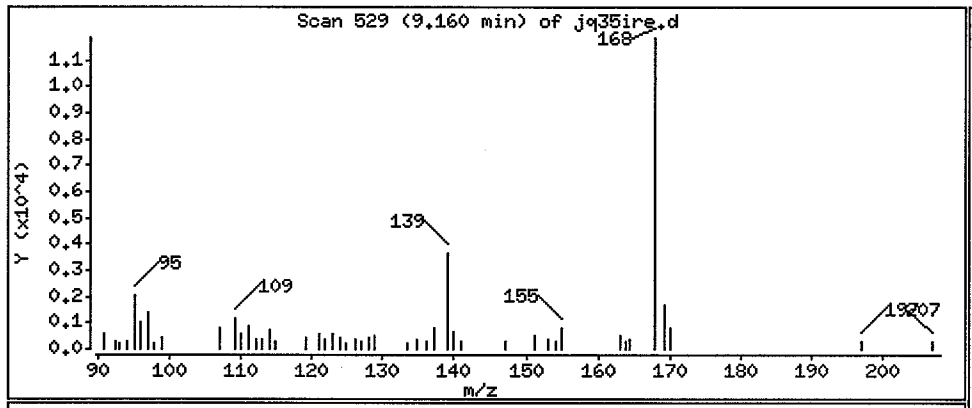
Column phase: ZB-5

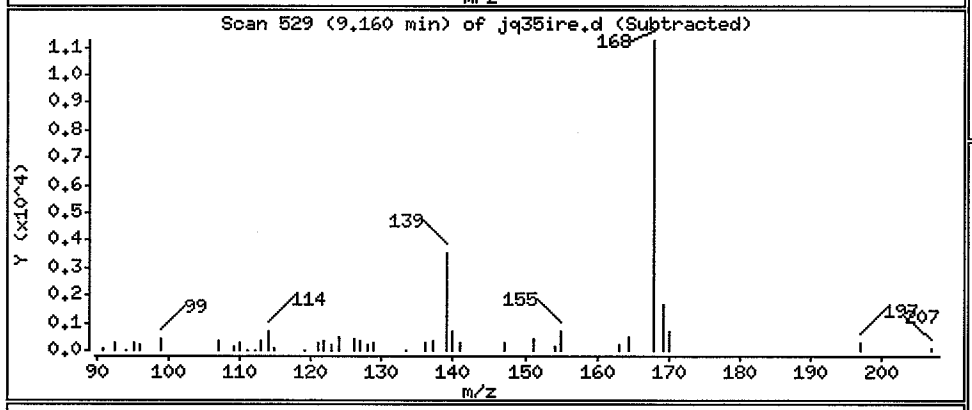
Column diameter: 0.25

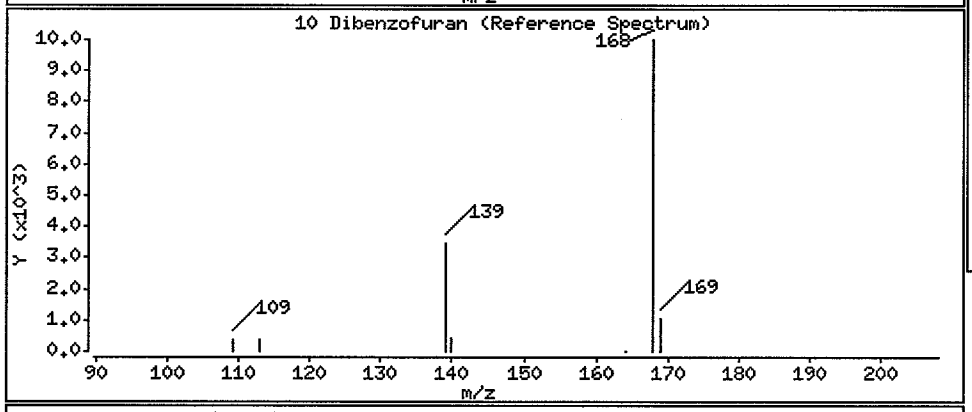
10 Dibenzofuran

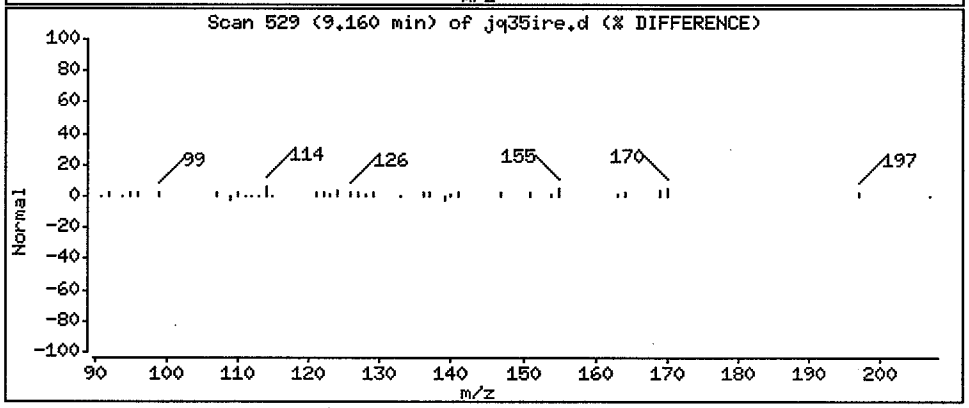
Concentration: 283.0 ug/kg

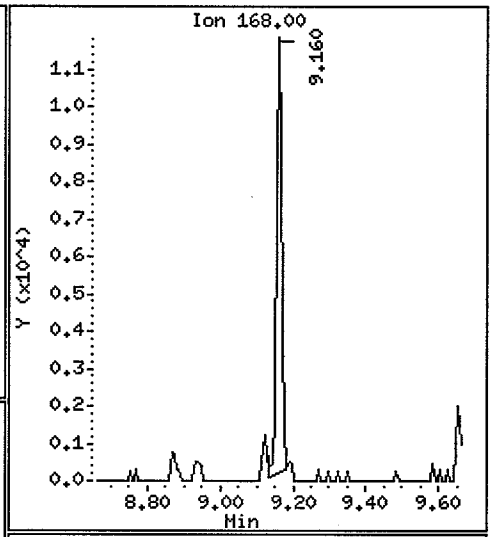
PUR 9/9

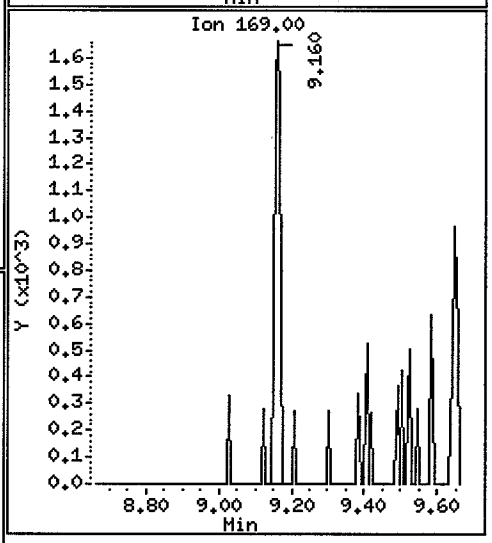












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

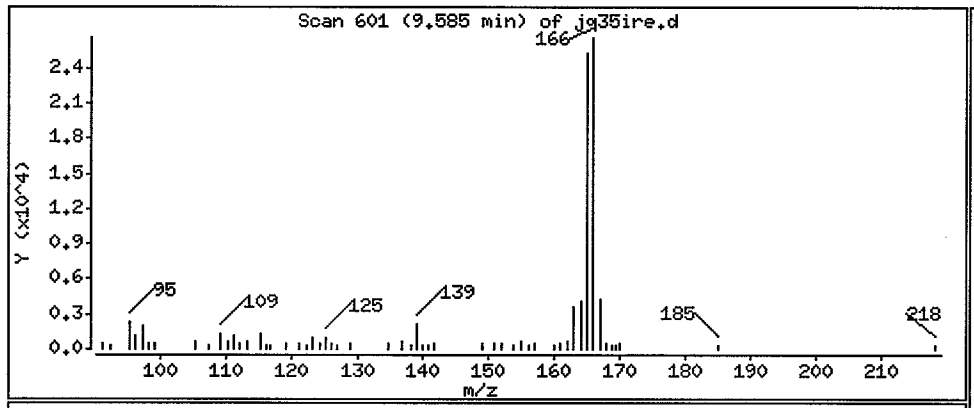
Operator: VTS

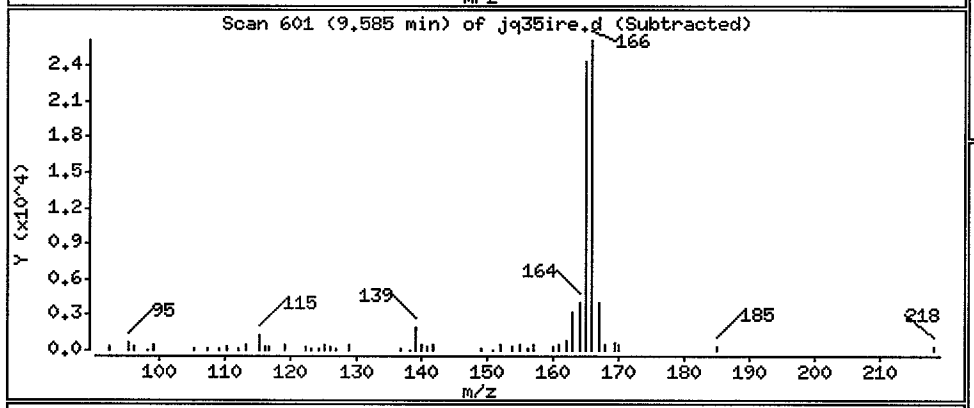
Column phase: ZB-5

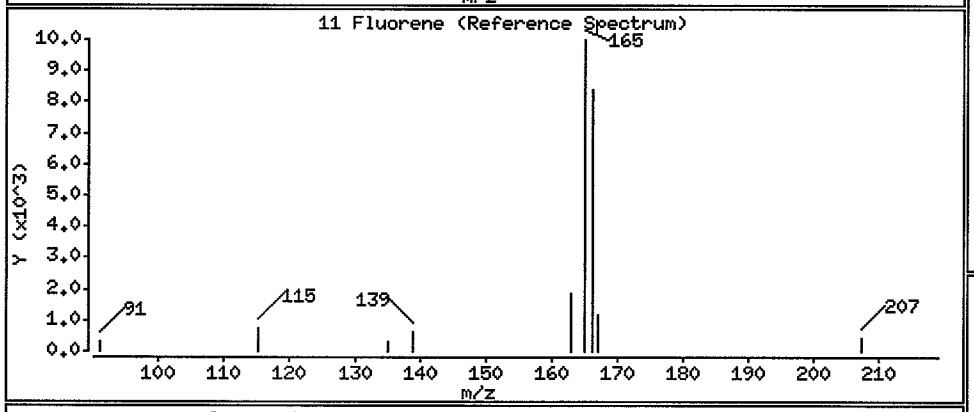
Column diameter: 0.25

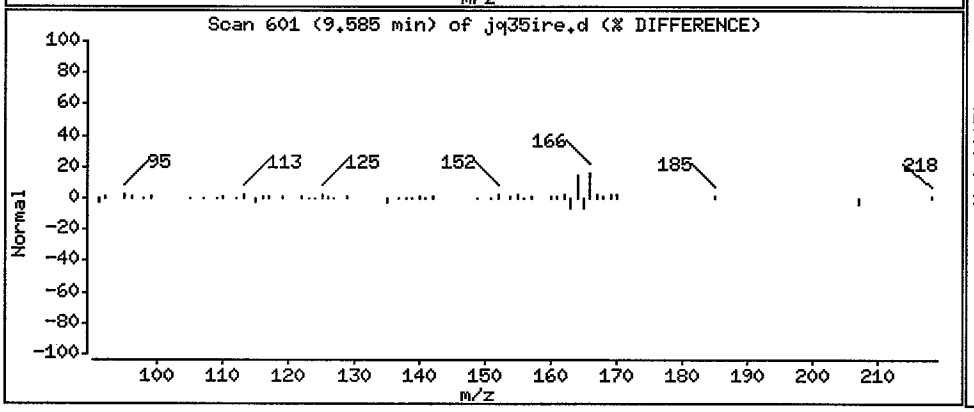
11 Fluorene

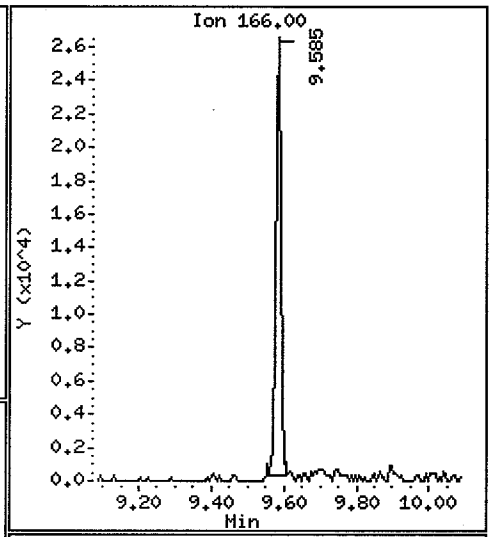
Concentration: 819.3 ug/kg

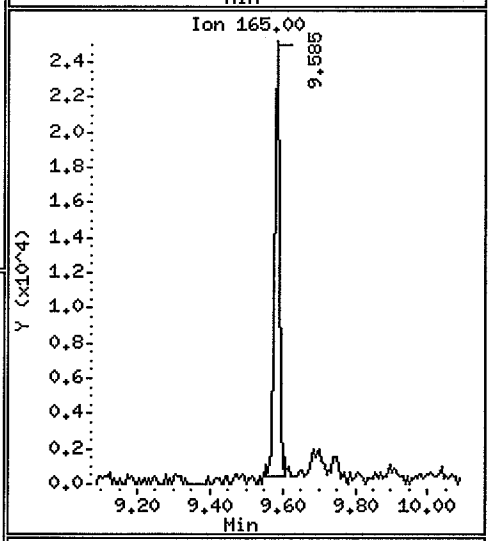


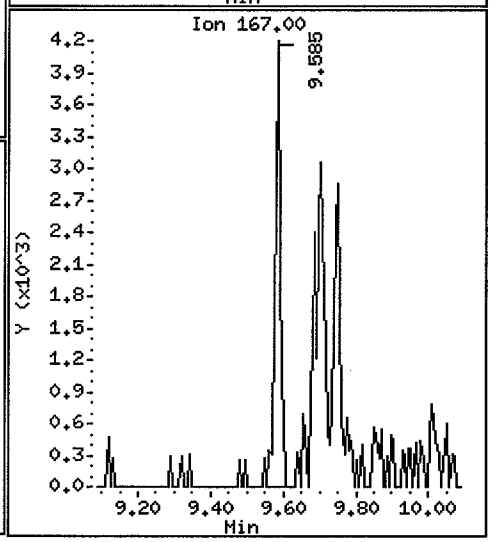












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

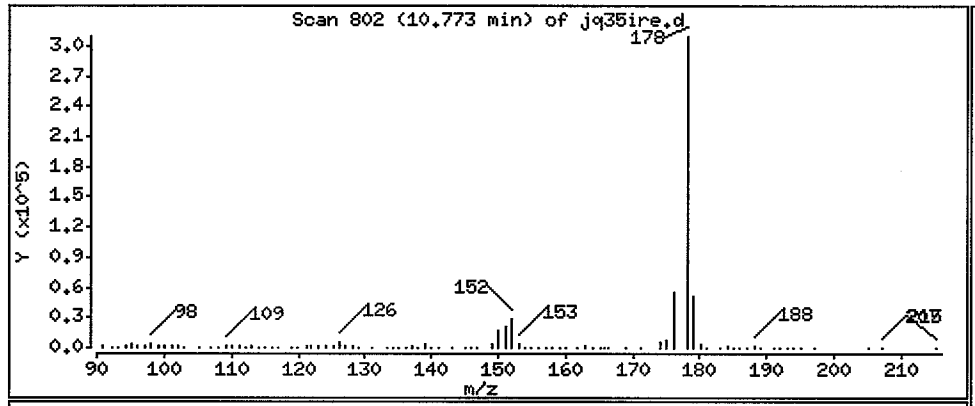
Operator: VTS

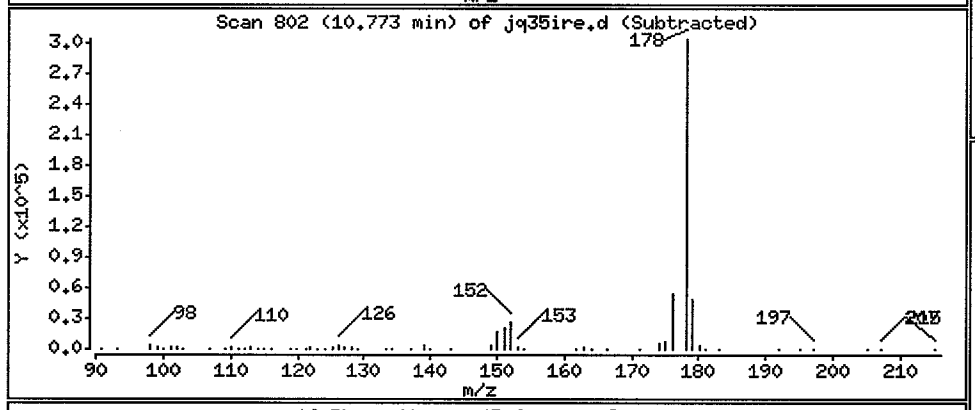
Column phase: ZB-5

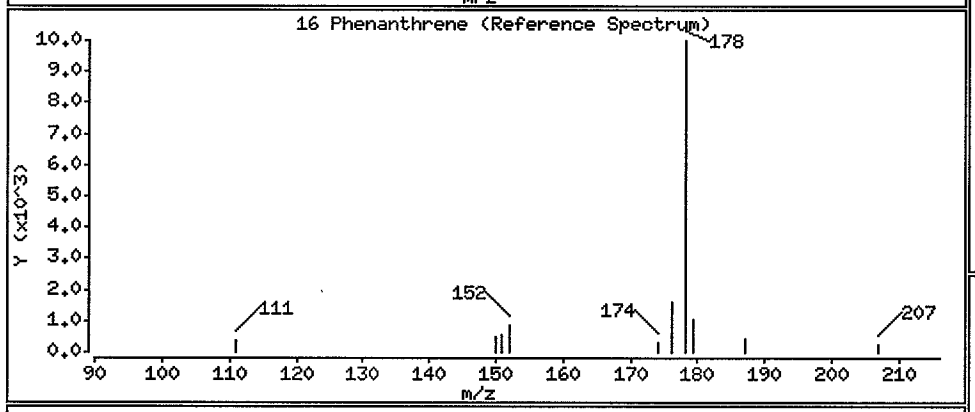
Column diameter: 0.25

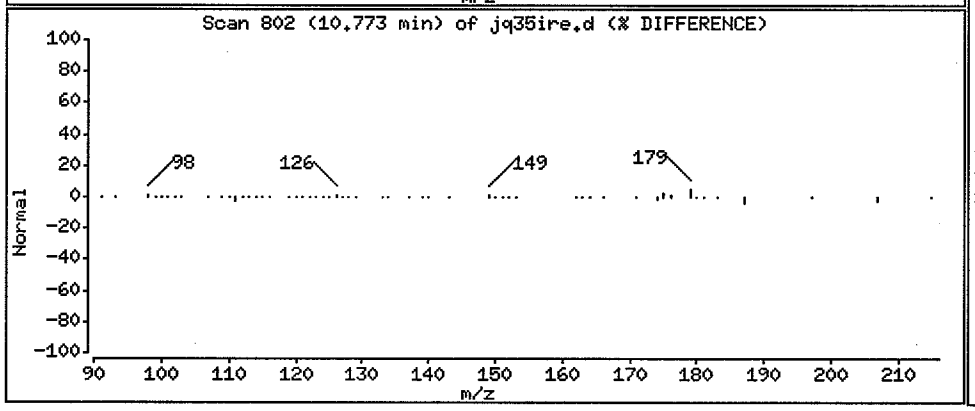
16 Phenanthrene

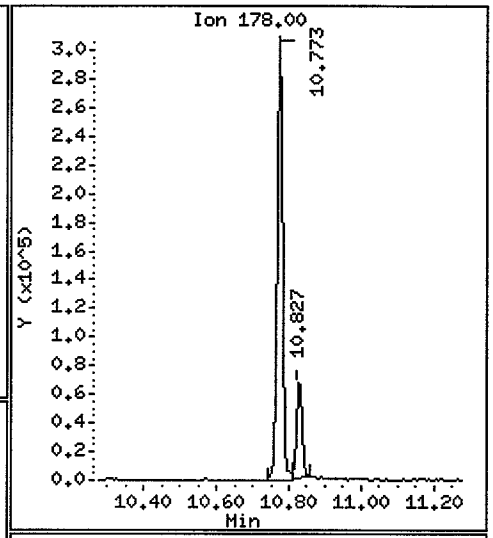
Concentration: 7508 ug/kg

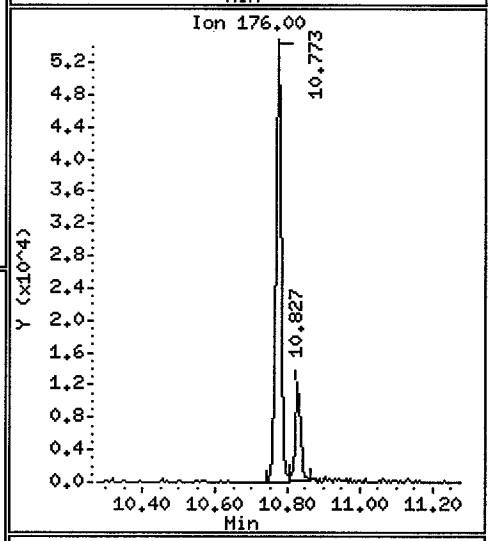


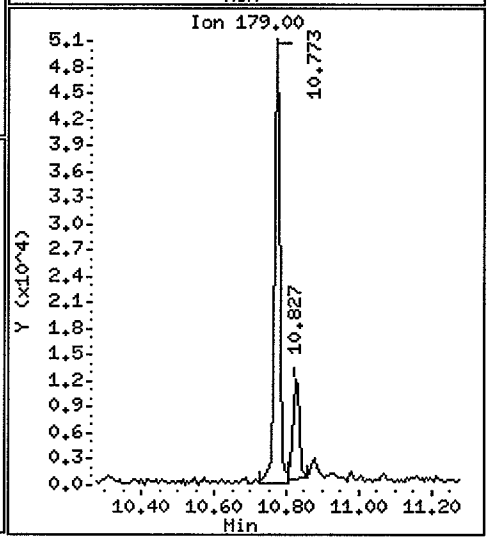












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

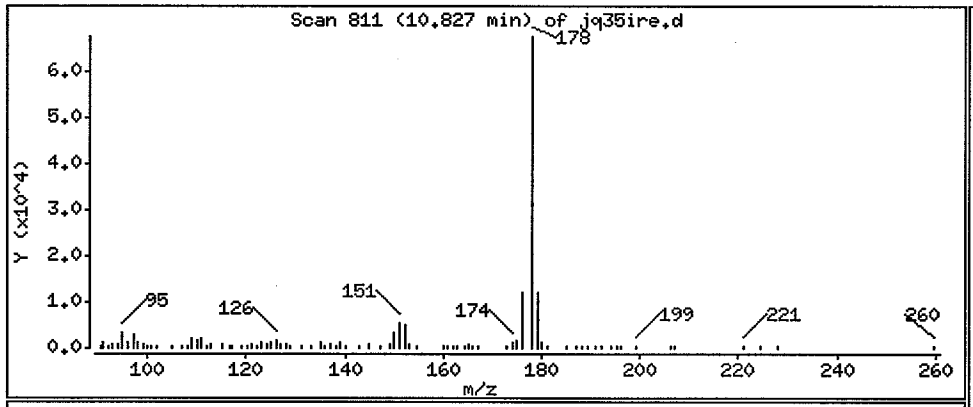
Operator: VTS

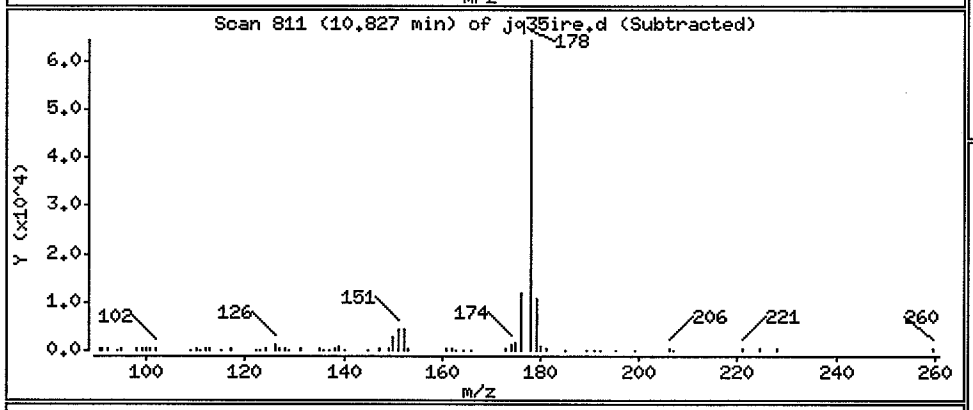
Column phase: ZB-5

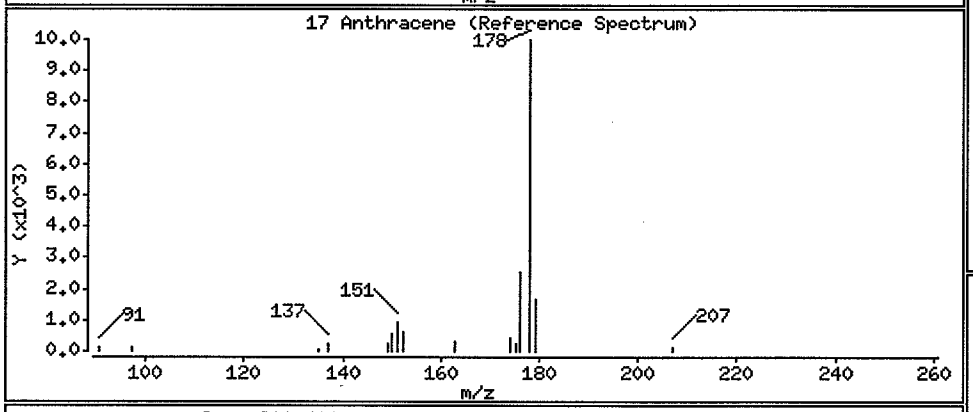
Column diameter: 0.25

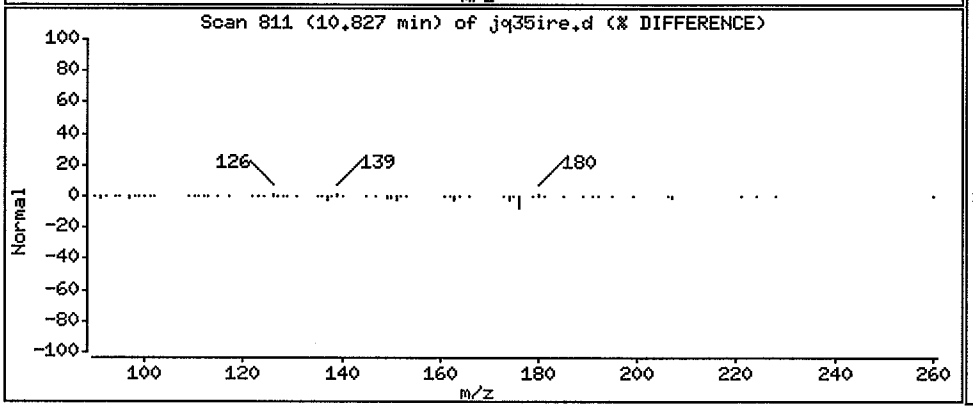
17 Anthracene

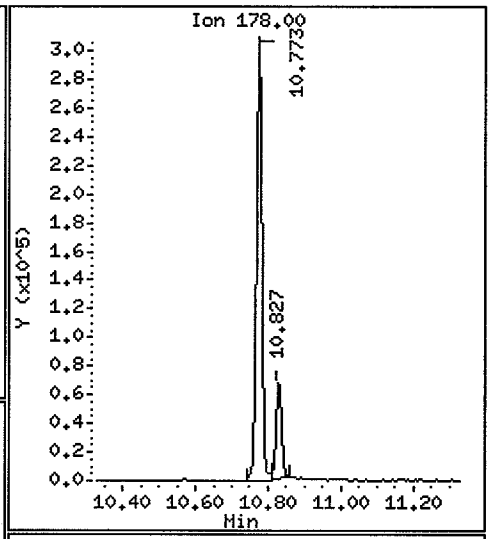
Concentration: 1658 ug/kg

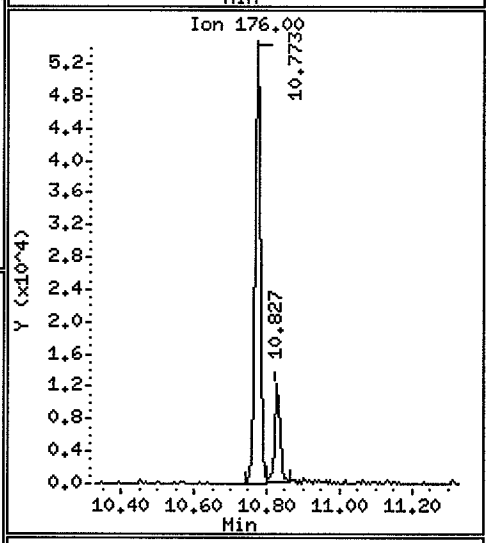


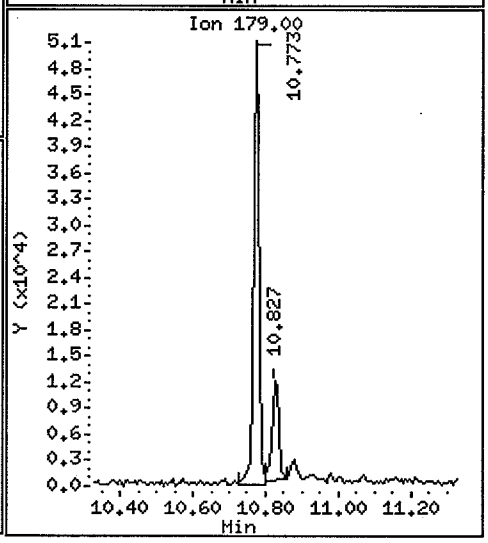












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

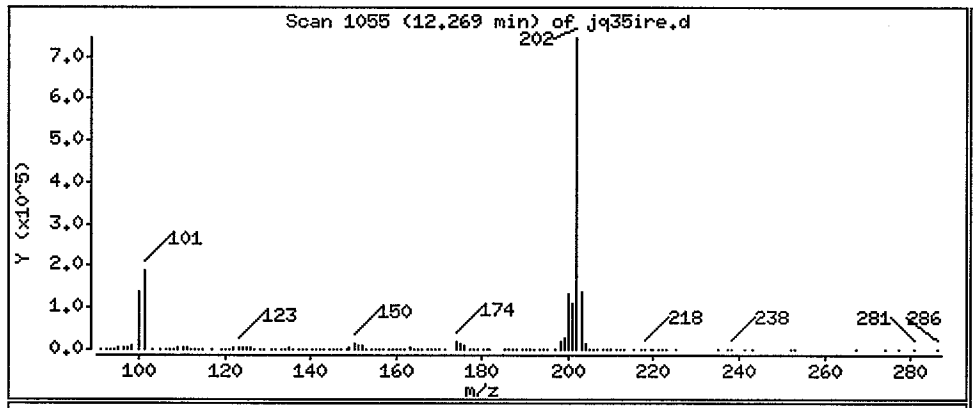
Operator: VTS

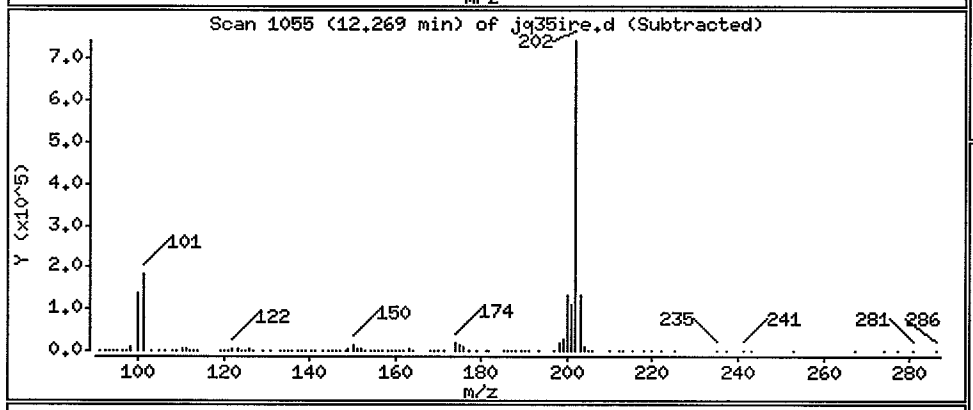
Column phase: ZB-5

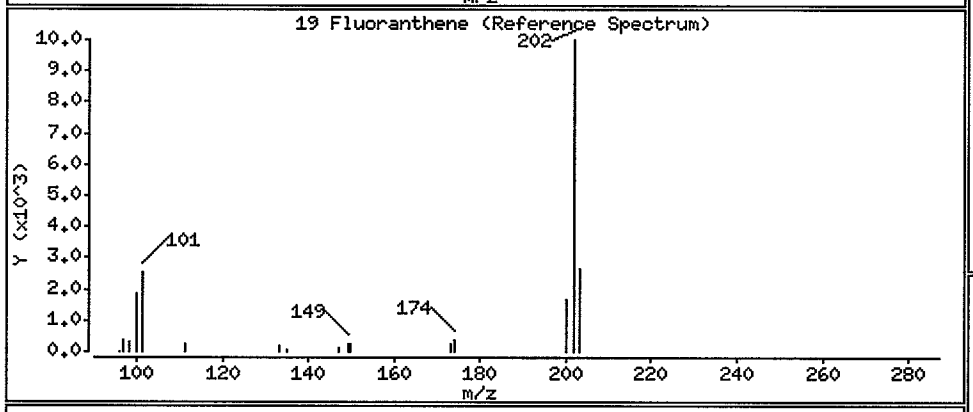
Column diameter: 0.25

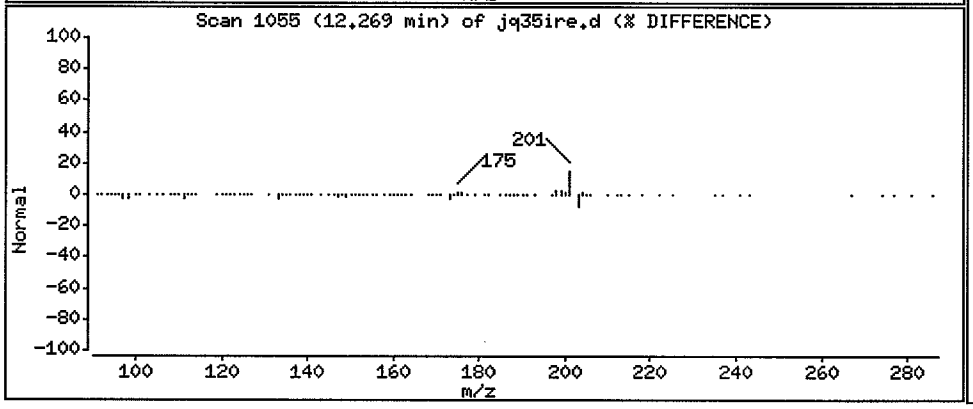
19 Fluoranthene

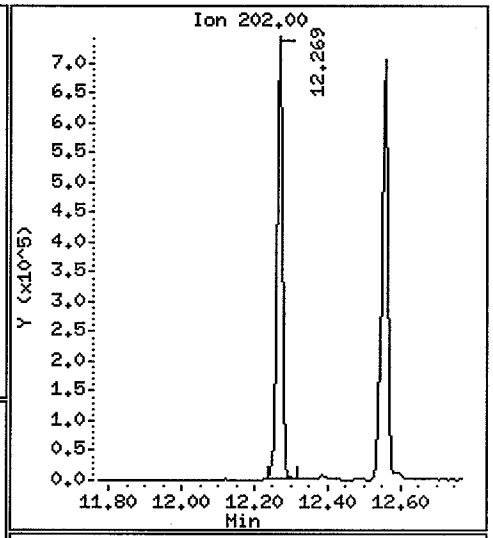
Concentration: 17570 ug/kg

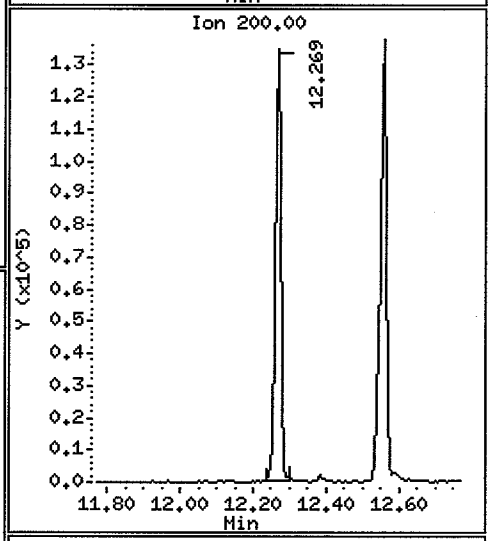


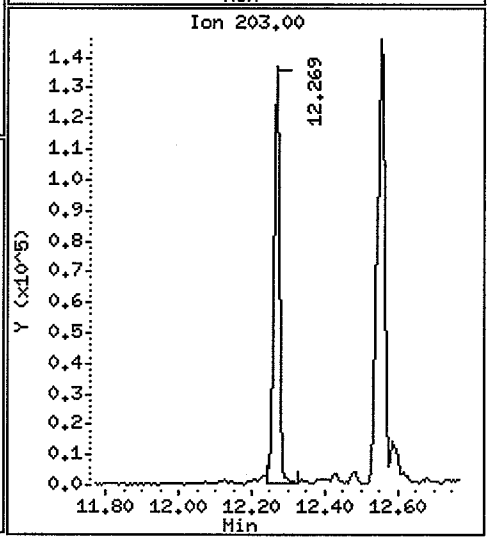












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

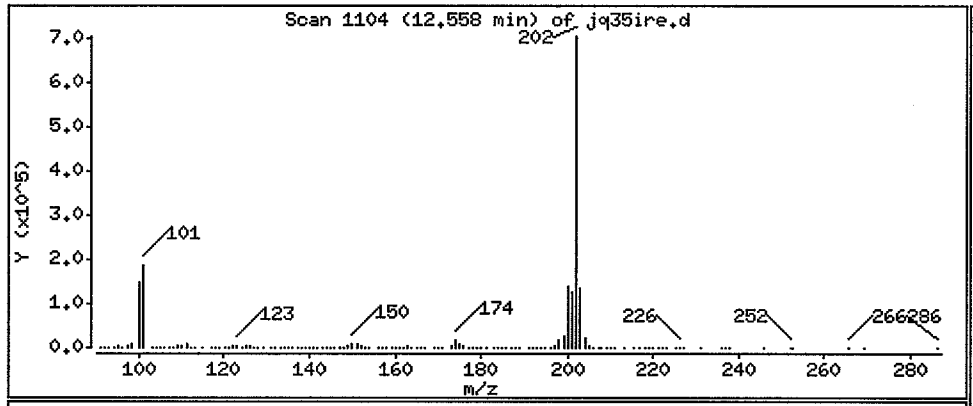
Operator: VTS

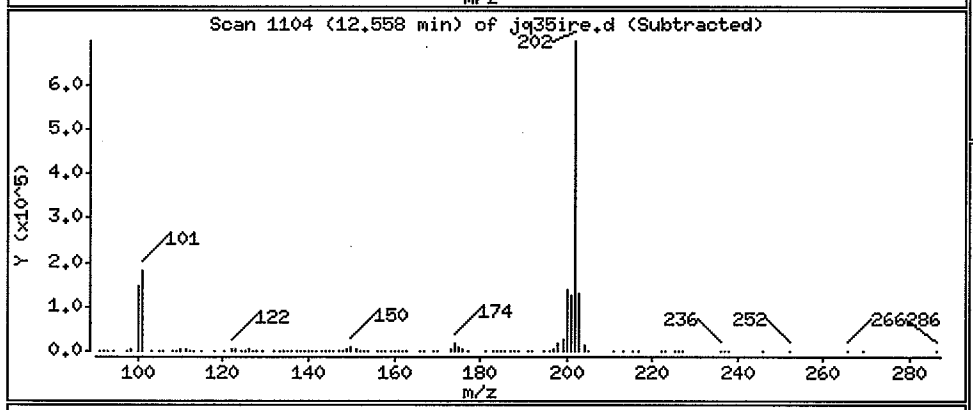
Column phase: ZB-5

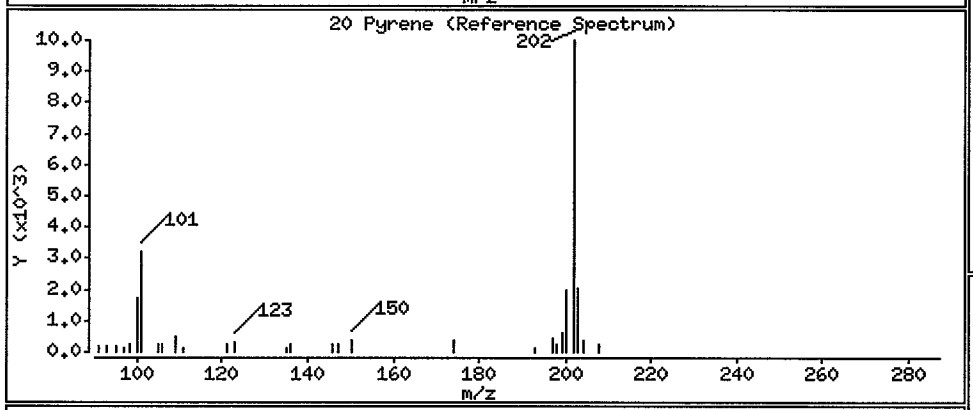
Column diameter: 0.25

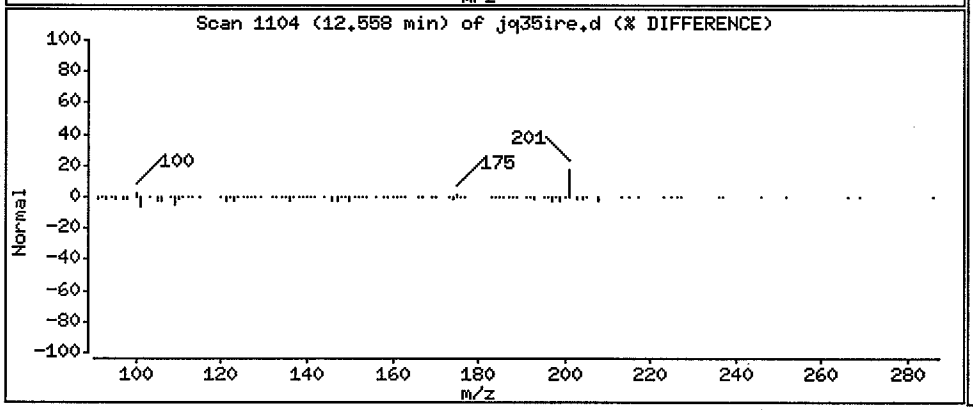
20 Pyrene

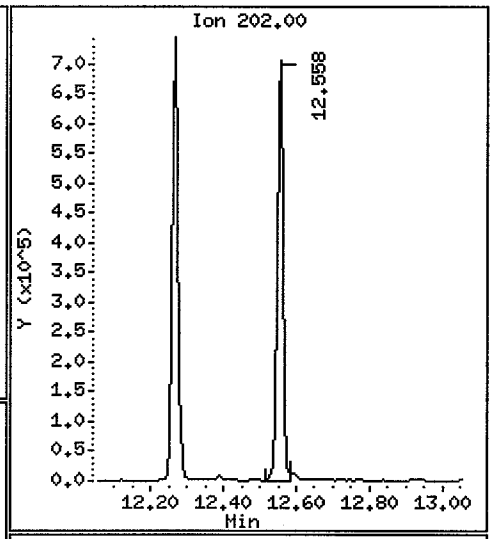
Concentration: 14440 ug/kg

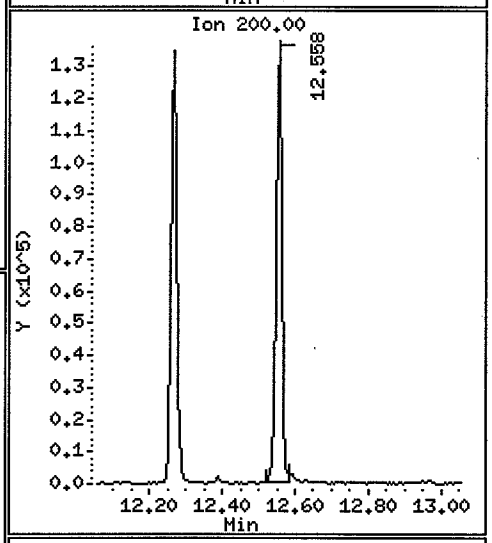


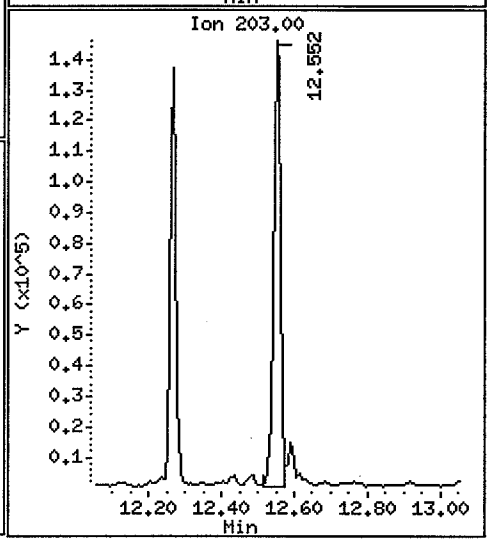












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

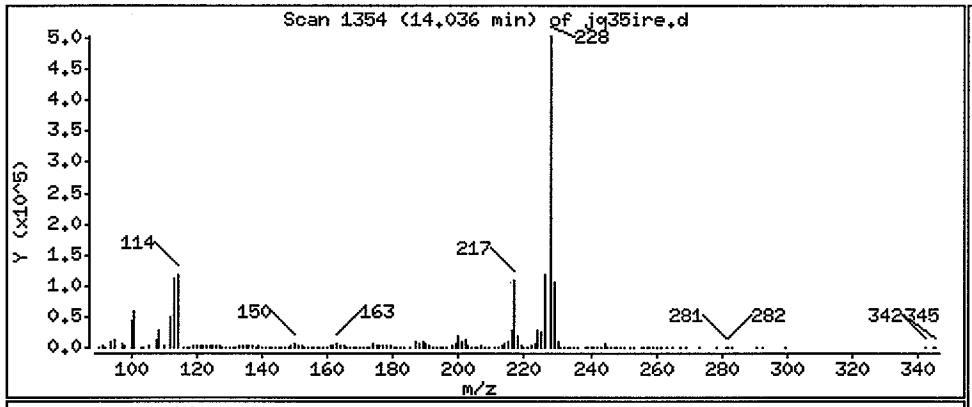
Operator: VTS

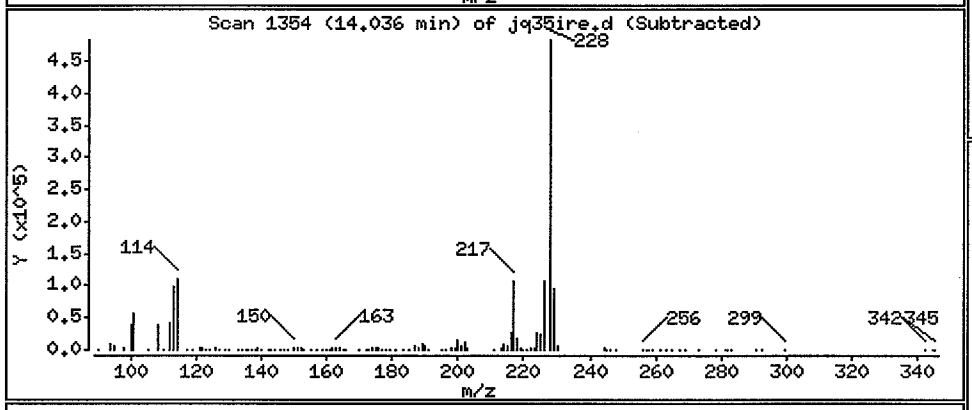
Column phase: ZB-5

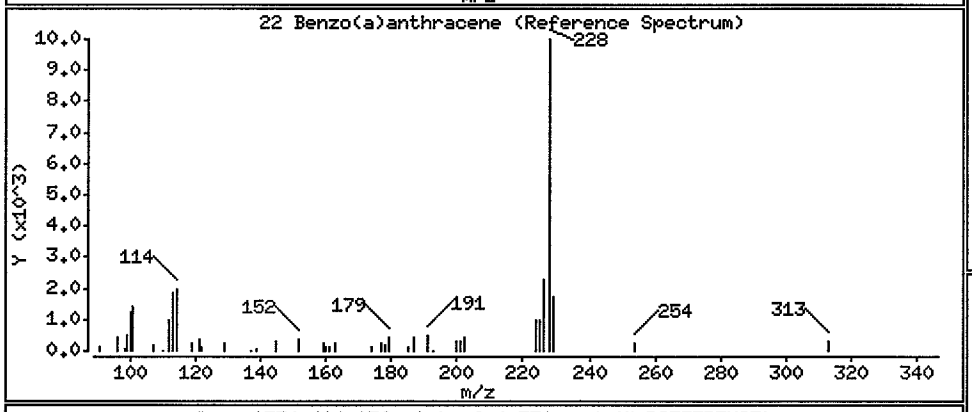
Column diameter: 0.25

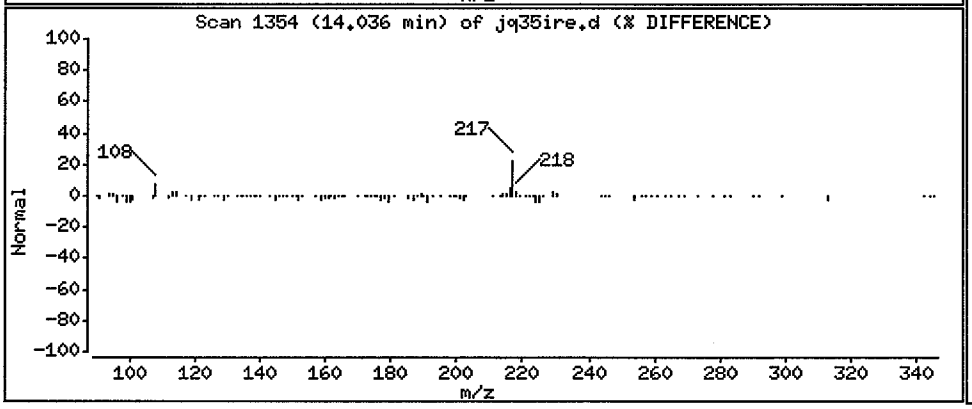
22 Benzo(a)anthracene

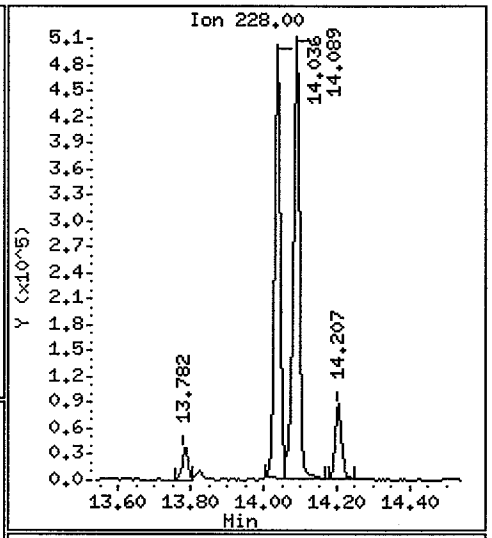
Concentration: 10850 ug/kg

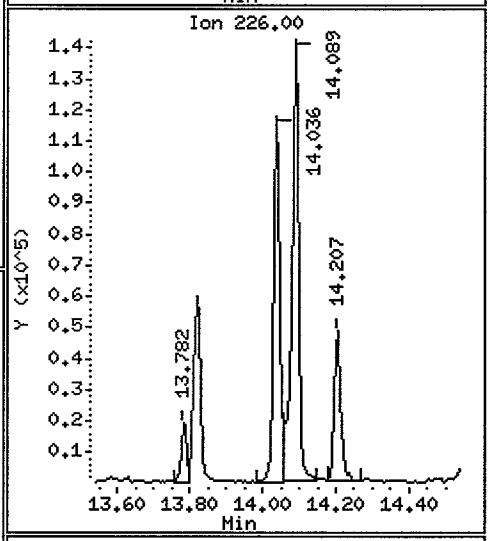


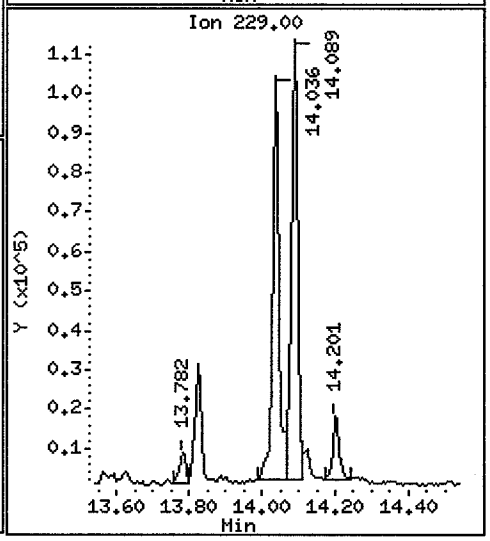












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

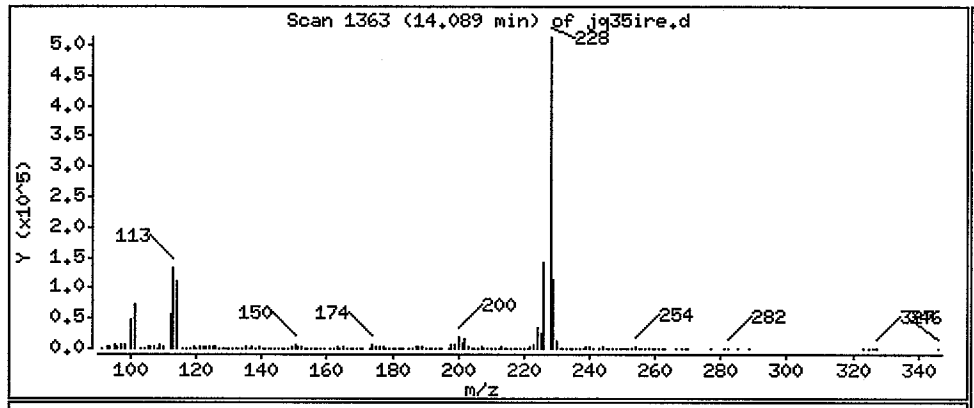
Operator: VTS

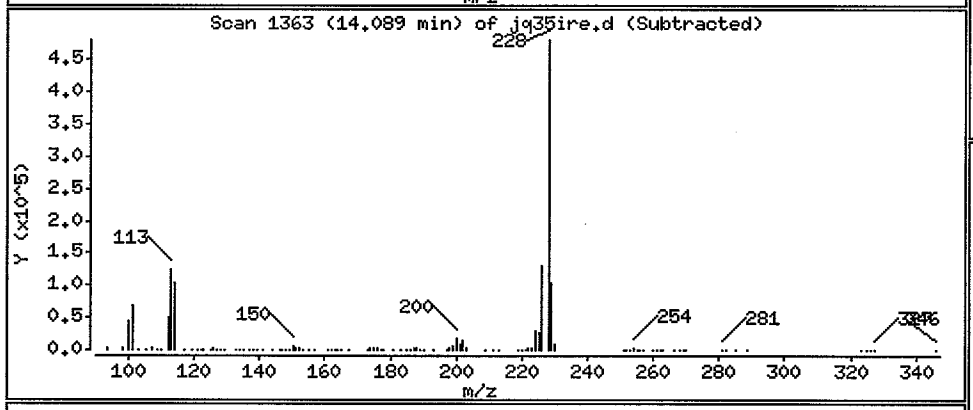
Column phase: ZB-5

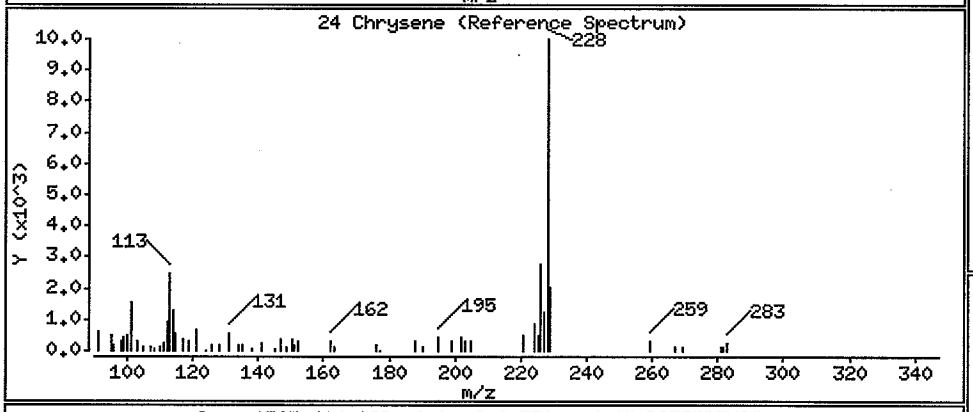
Column diameter: 0.25

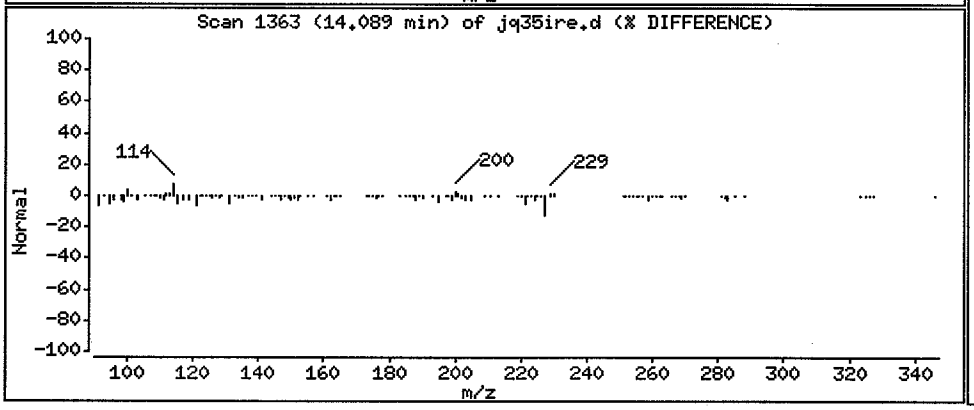
24 Chrysene

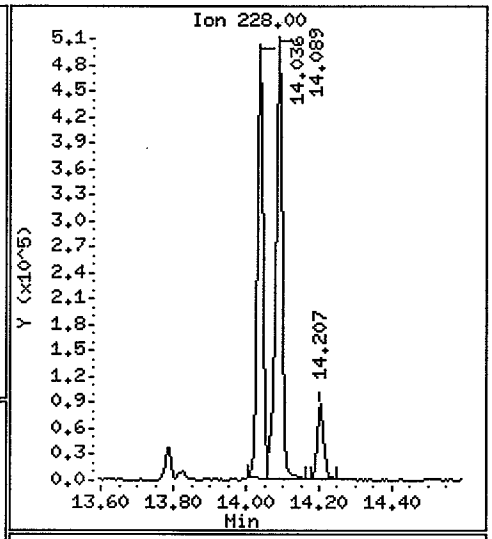
Concentration: 13410 ug/kg

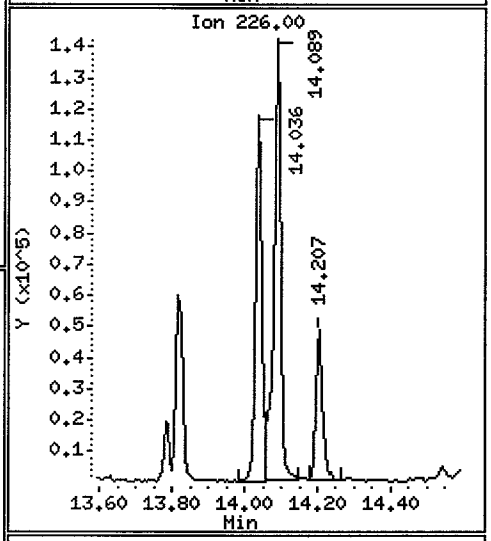


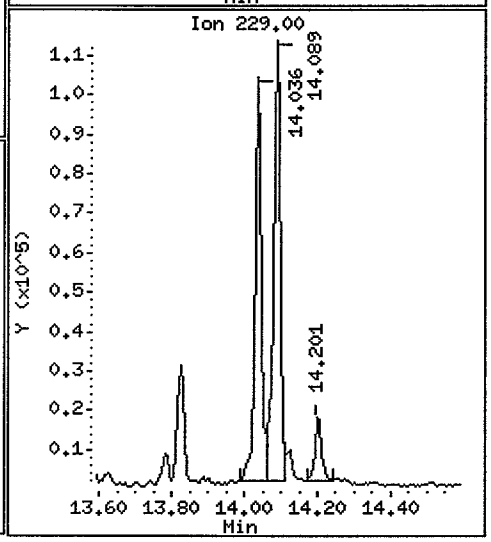












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

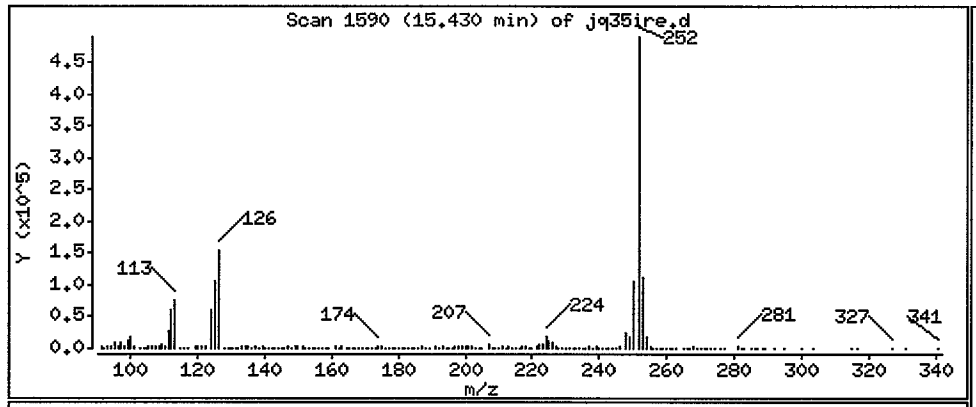
Operator: VTS

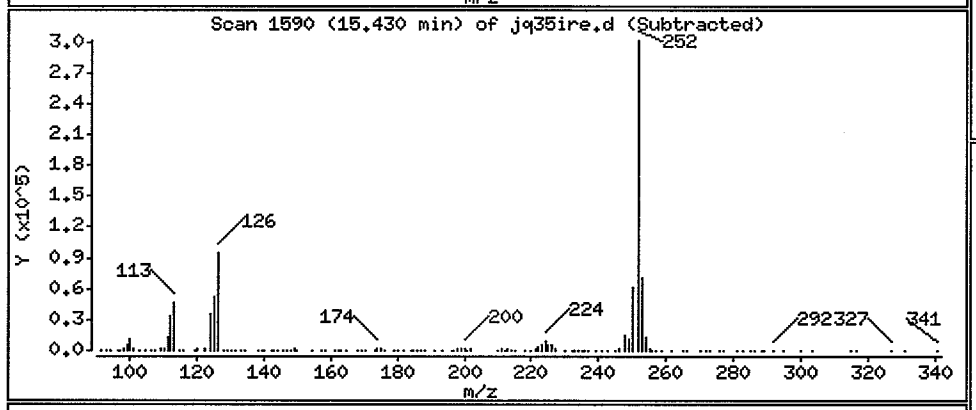
Column phase: ZB-5

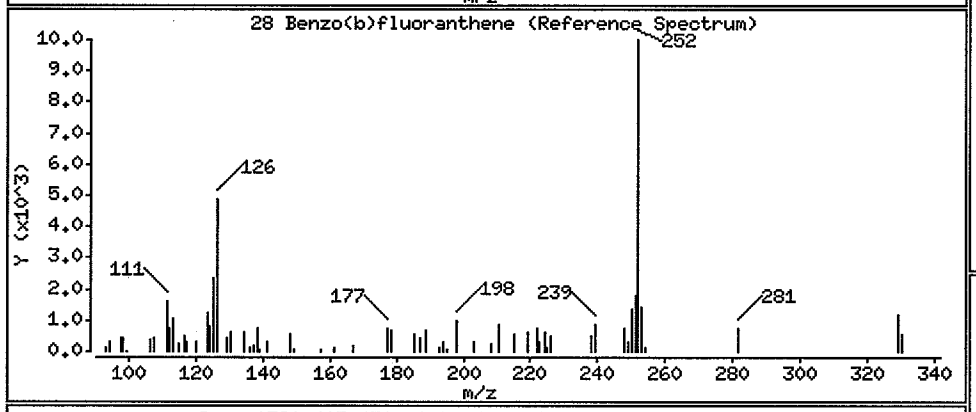
Column diameter: 0.25

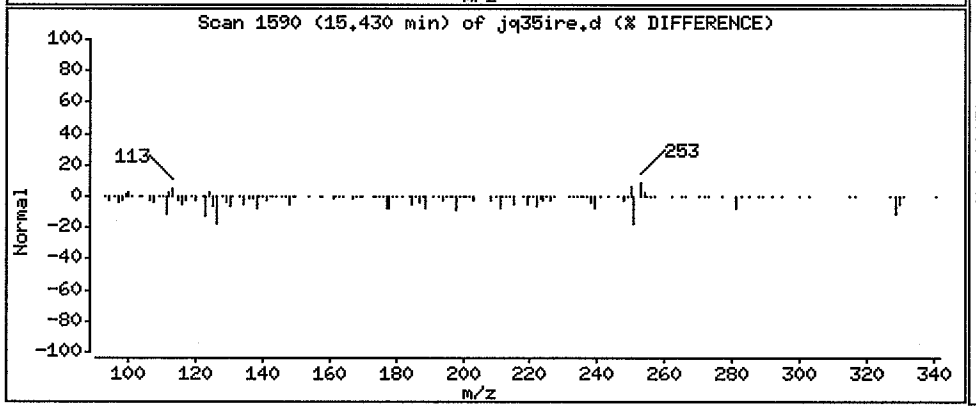
28 Benzo(b)fluoranthene

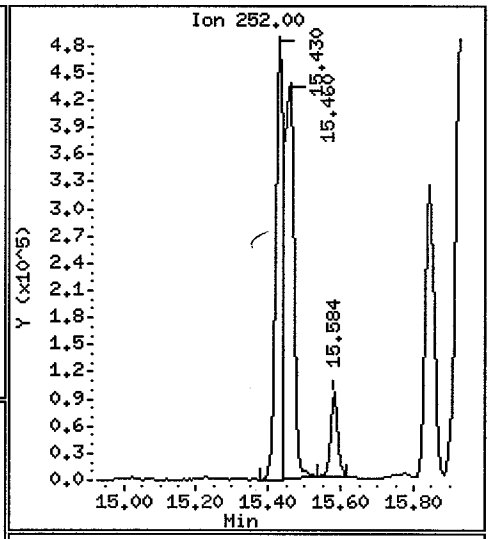
Concentration: 13710 ug/kg

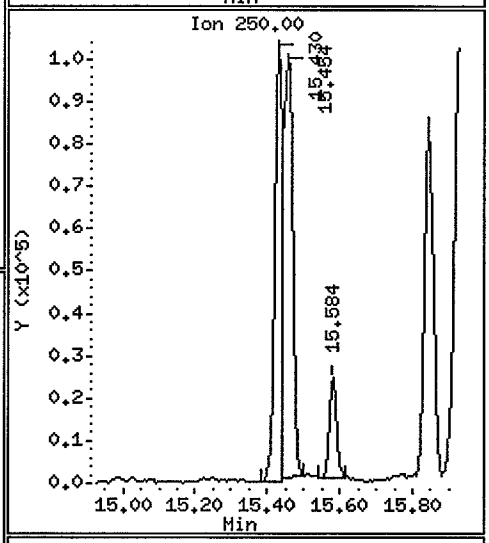


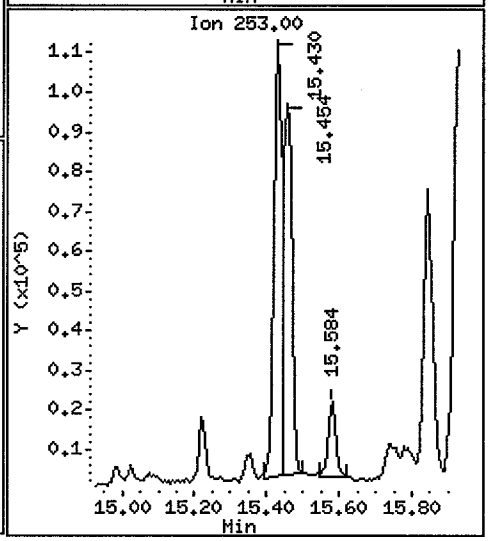












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

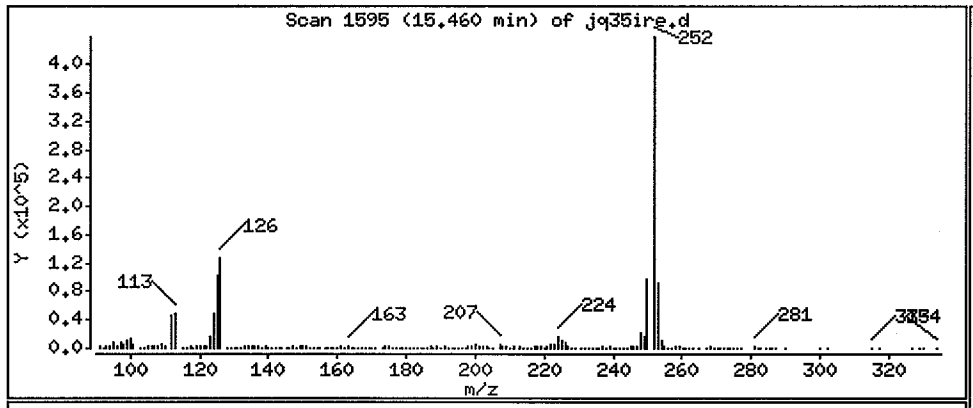
Operator: VTS

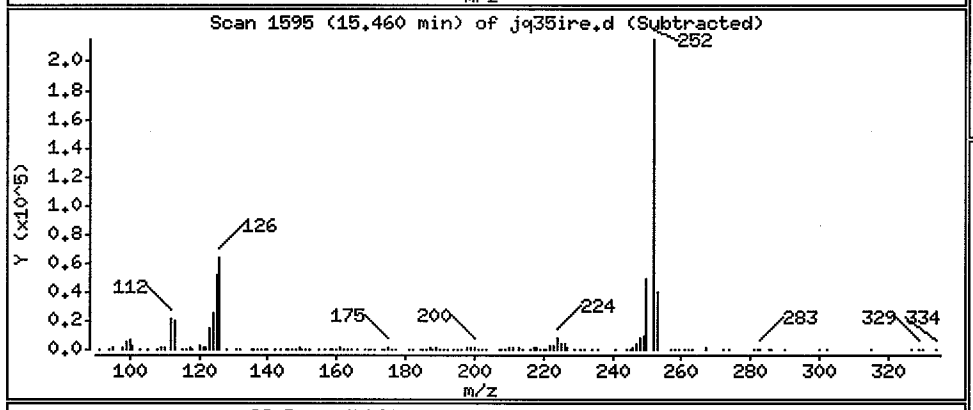
Column phase: ZB-5

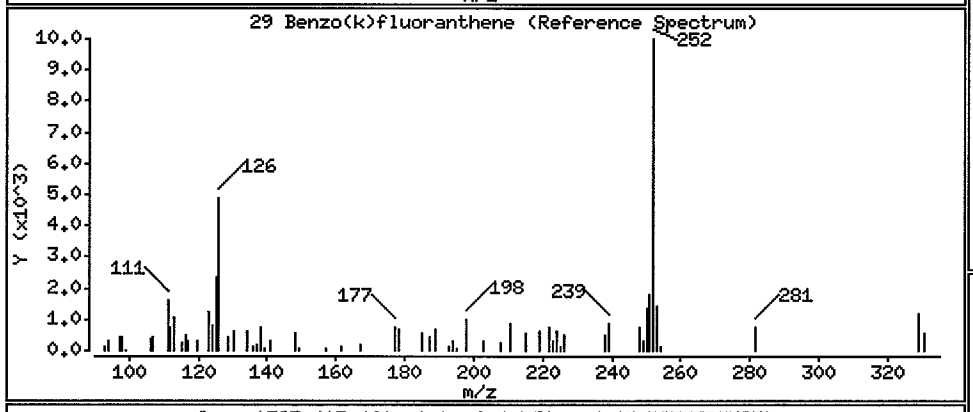
Column diameter: 0.25

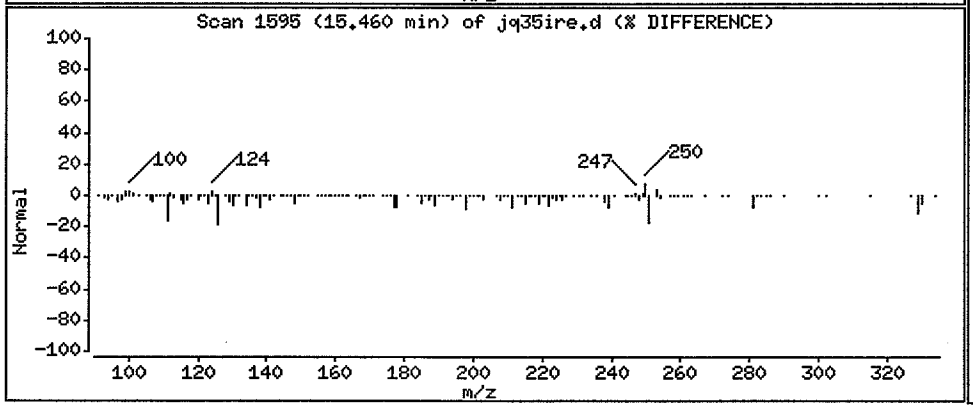
29 Benzo(k)fluoranthene

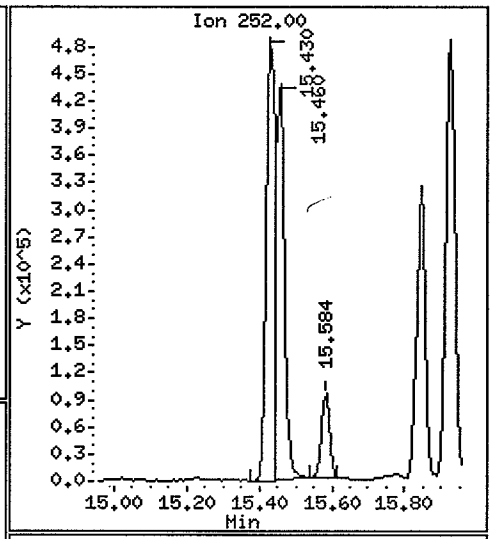
Concentration: 14060 ug/kg

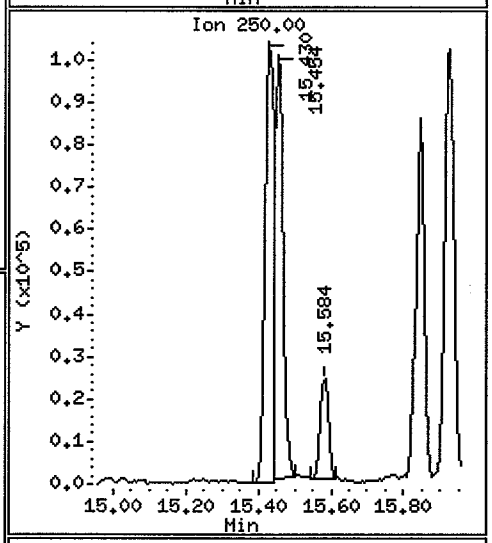


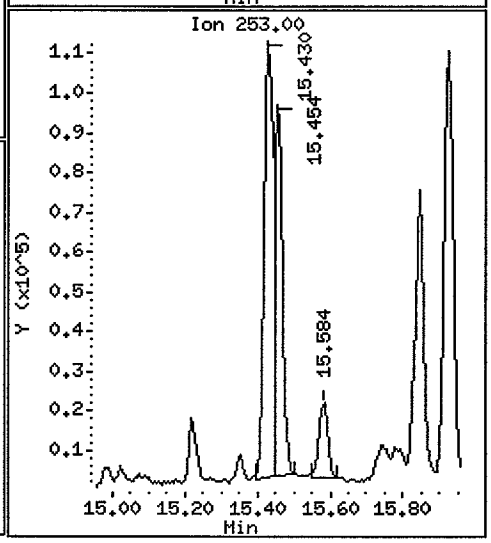












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

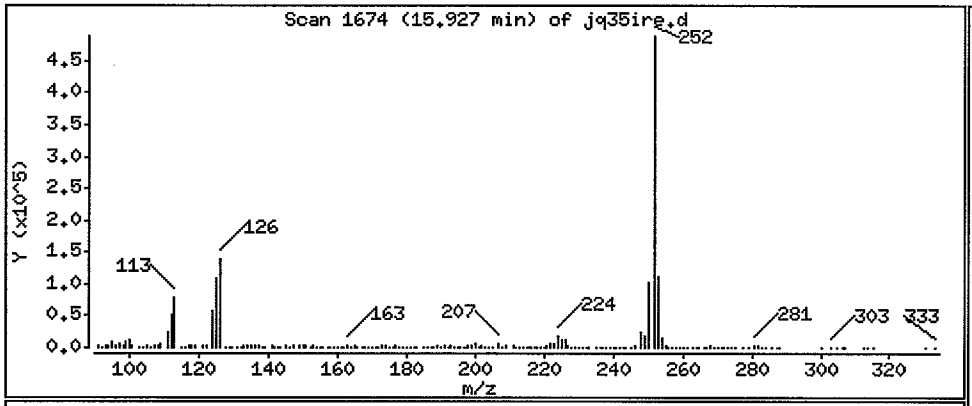
Operator: VTS

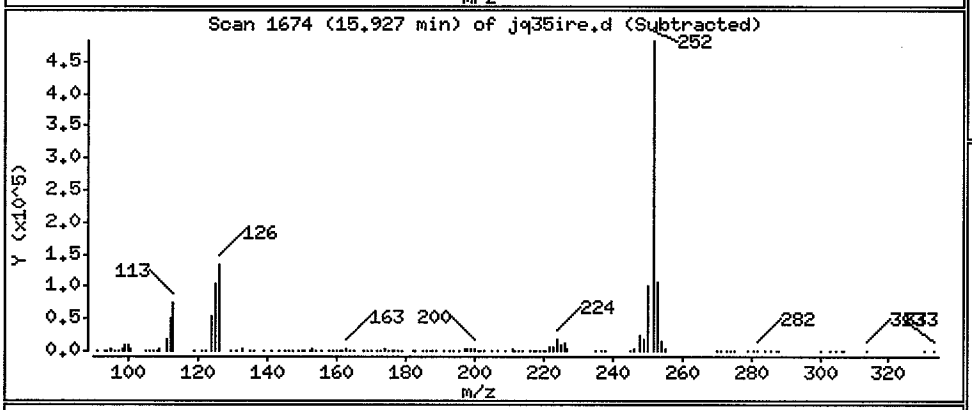
Column phase: ZB-5

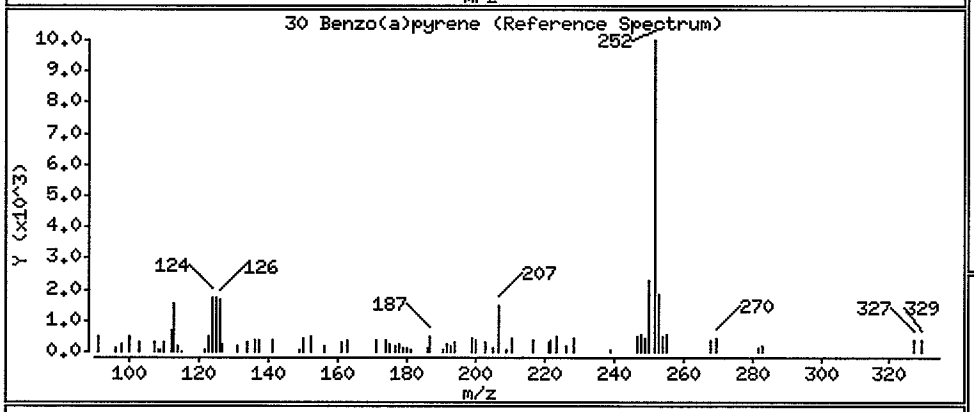
Column diameter: 0.25

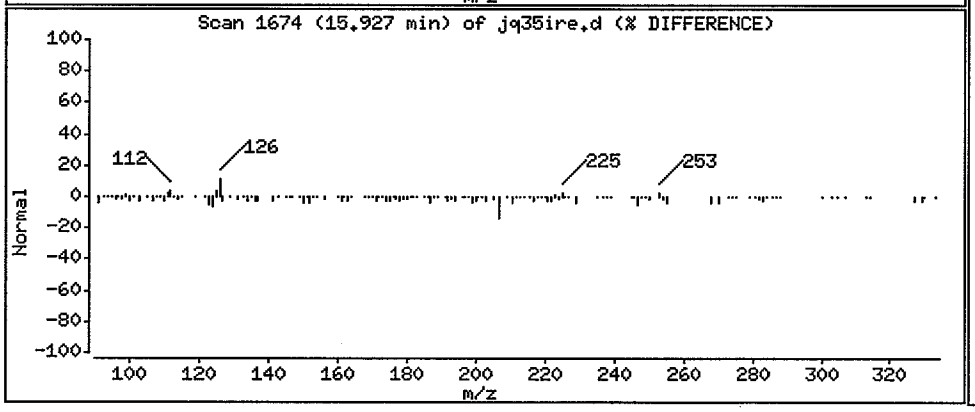
30 Benzo(a)pyrene

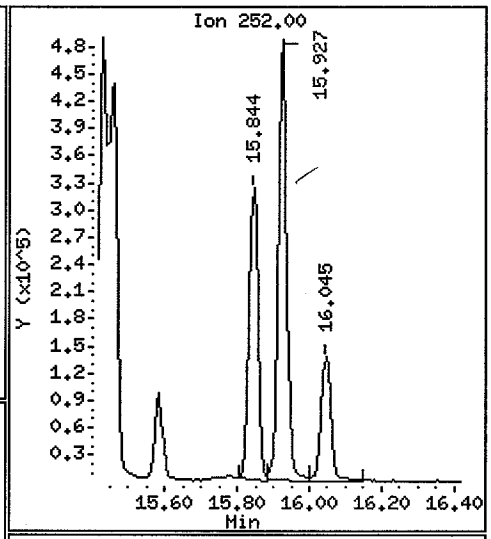
Concentration: 15360 ug/kg

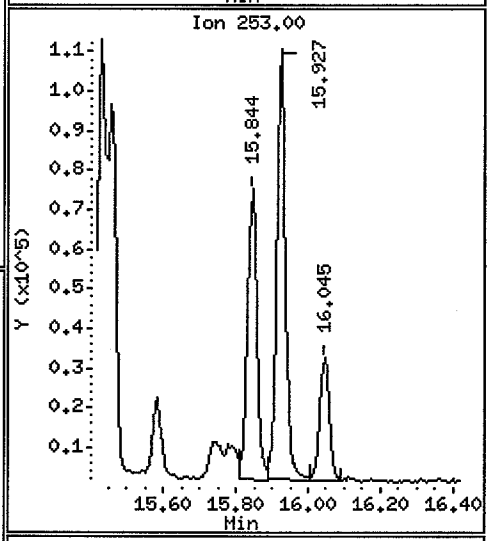


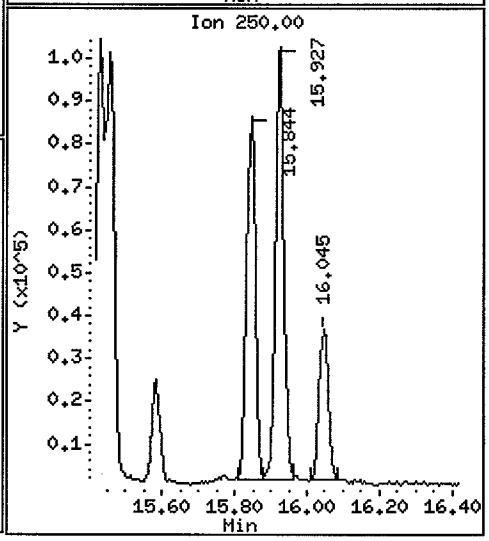












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

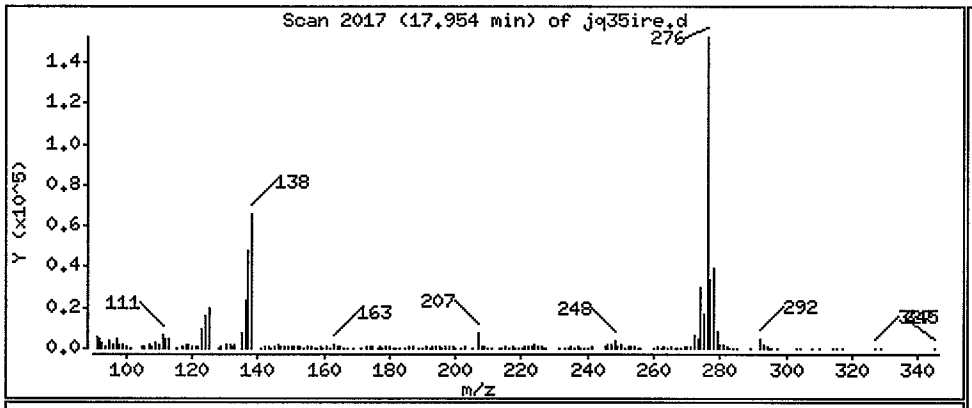
Operator: VTS

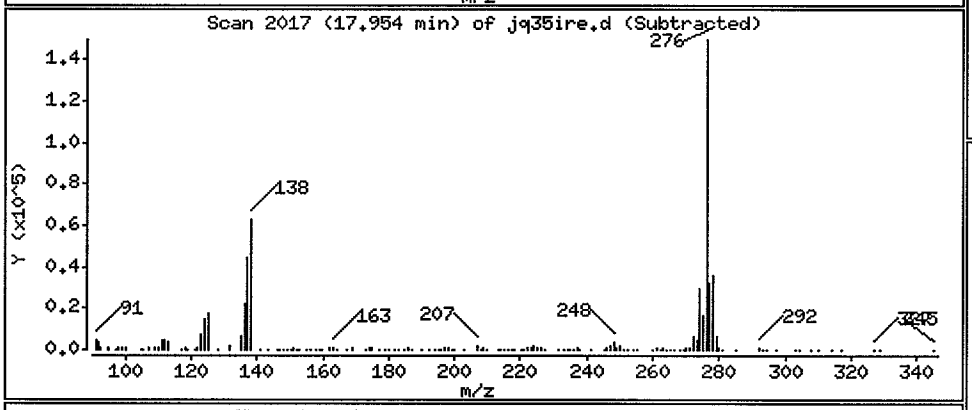
Column phase: ZB-5

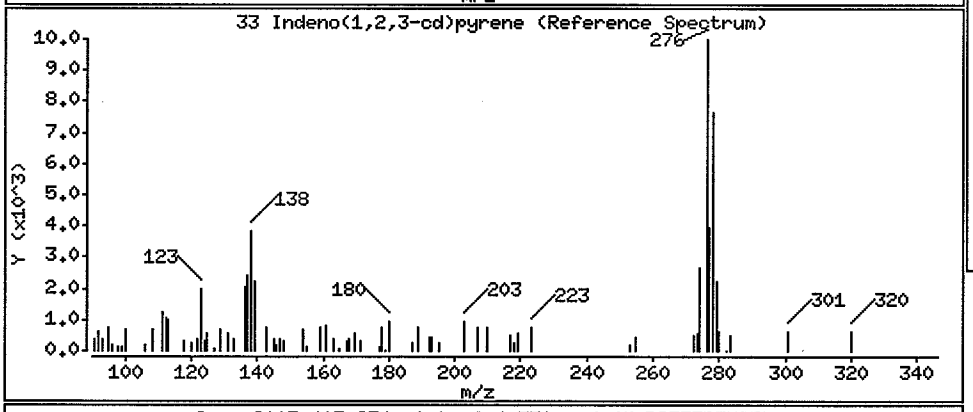
Column diameter: 0.25

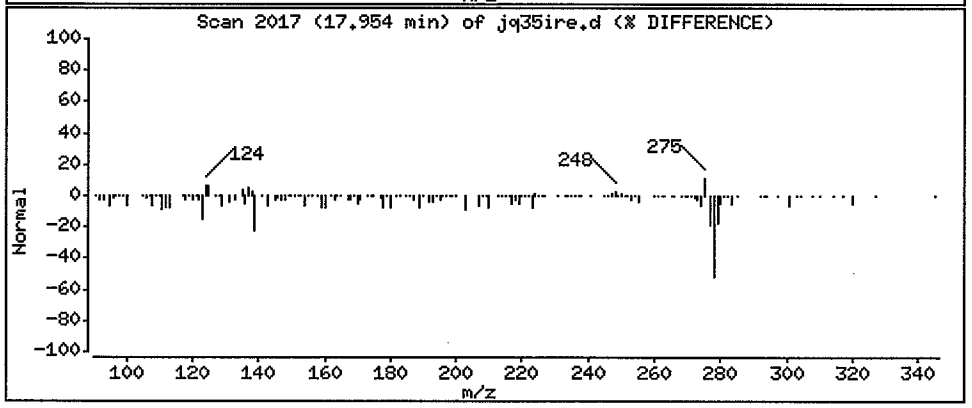
33 Indeno(1,2,3-cd)pyrene

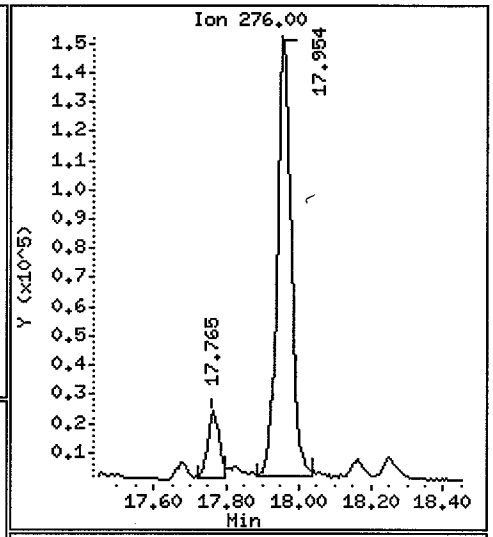
Concentration: 6608 ug/kg

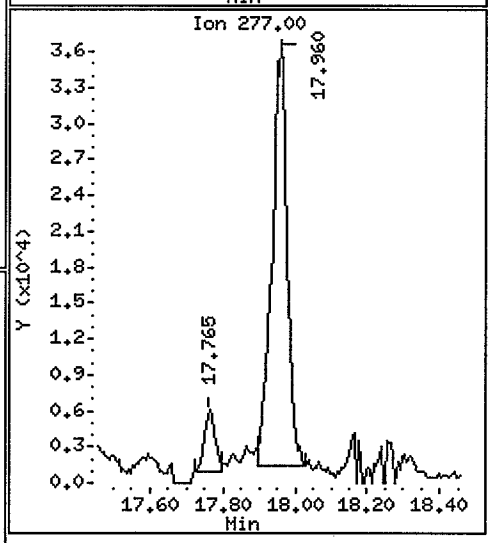












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

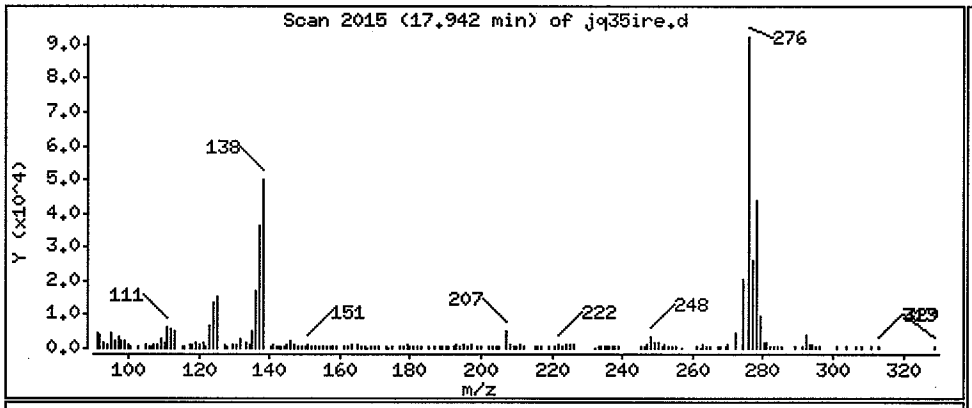
Operator: VTS

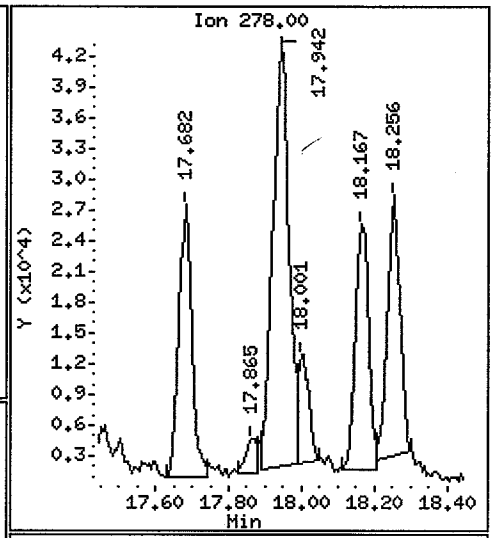
Column phase: ZB-5

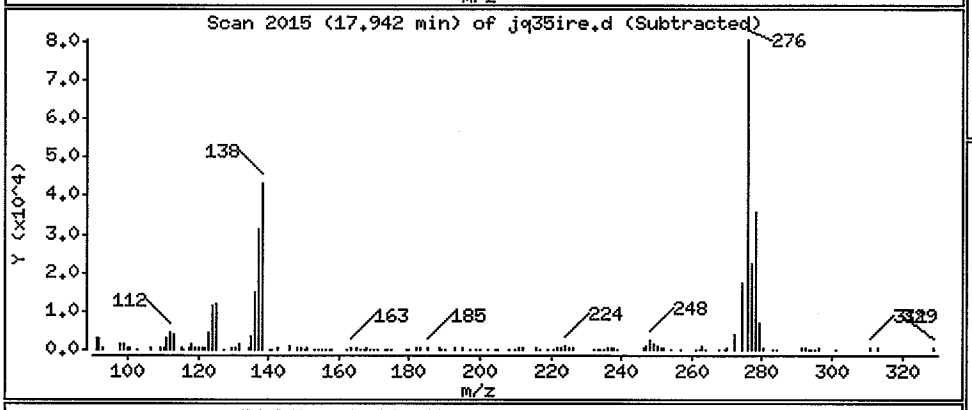
Column diameter: 0.25

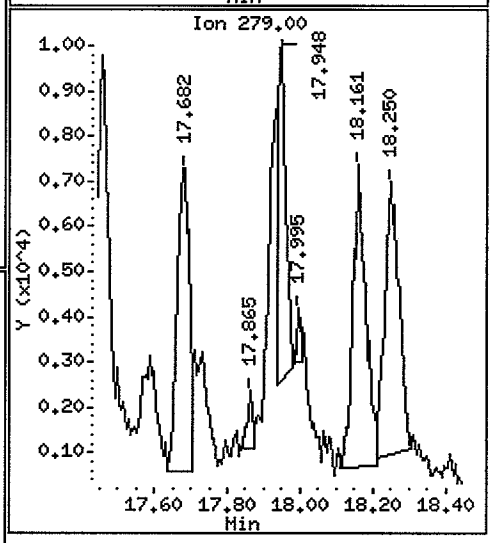
34 Dibenz(a,h)anthracene

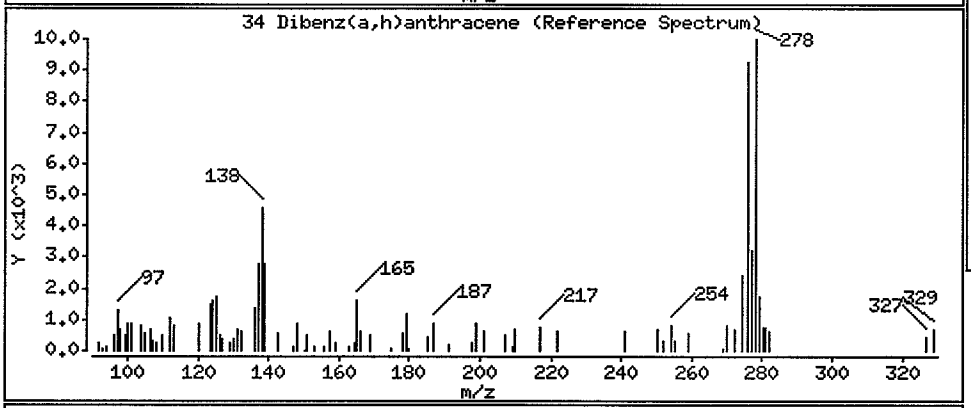
Concentration: 2614 ug/kg

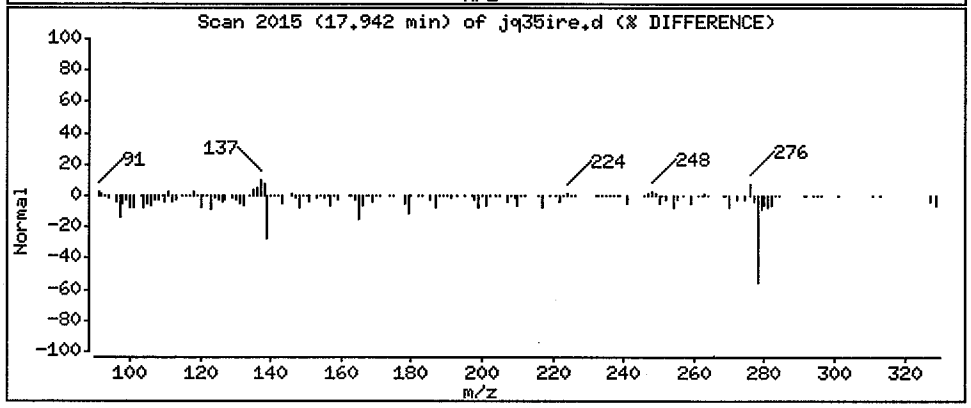












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

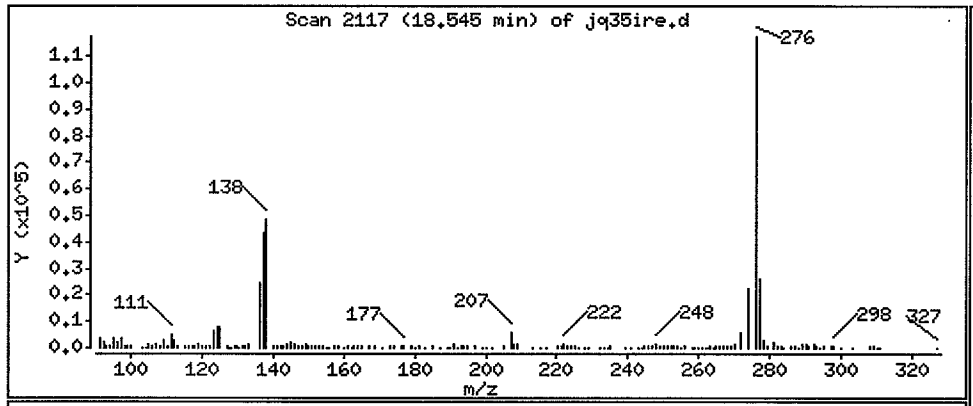
Operator: VTS

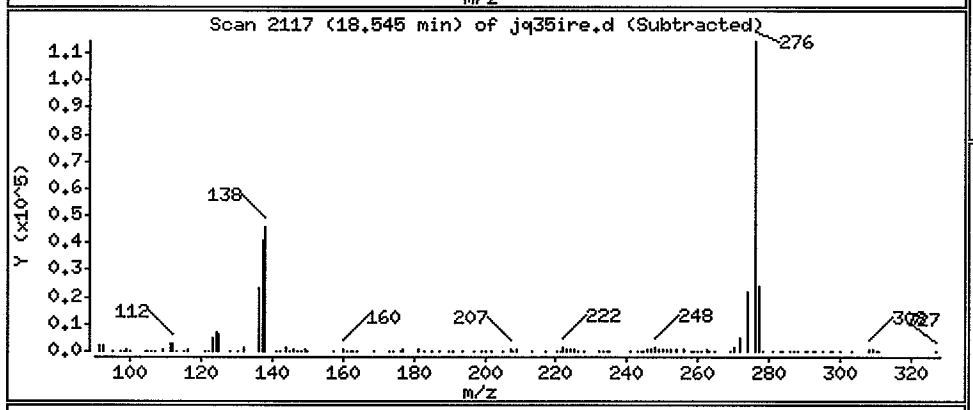
Column phase: ZB-5

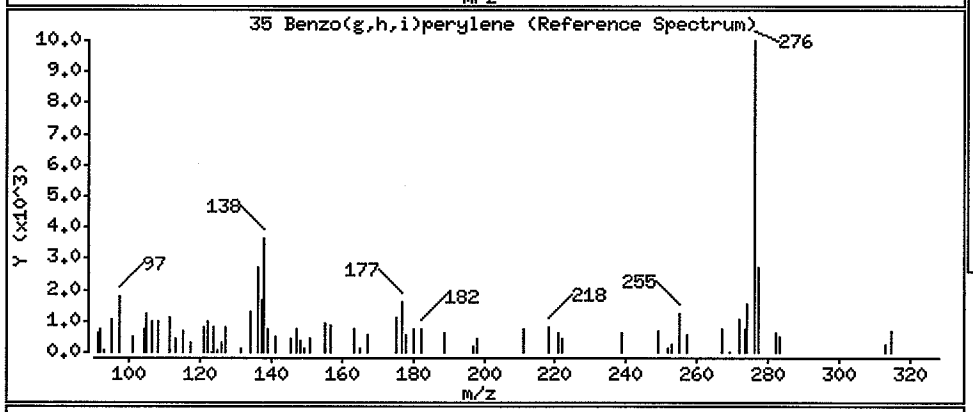
Column diameter: 0.25

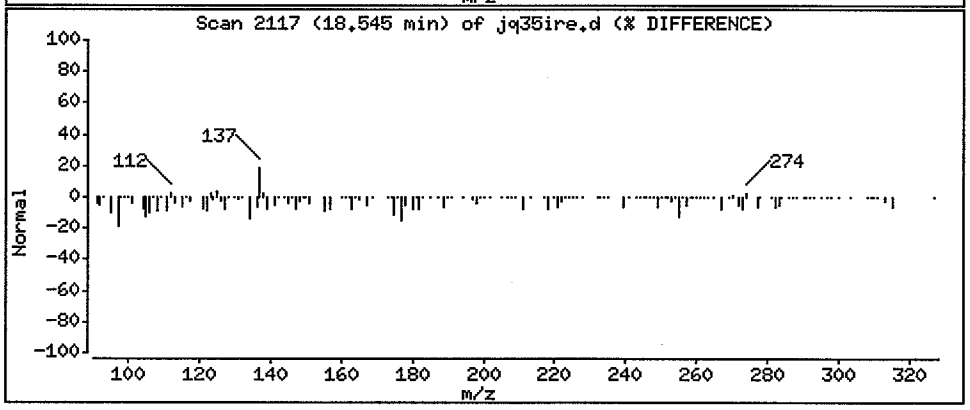
35 Benzo(g,h,i)perylene

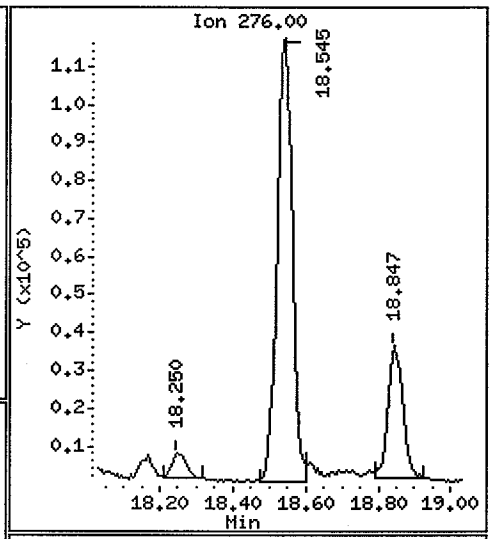
Concentration: 6617 ug/kg

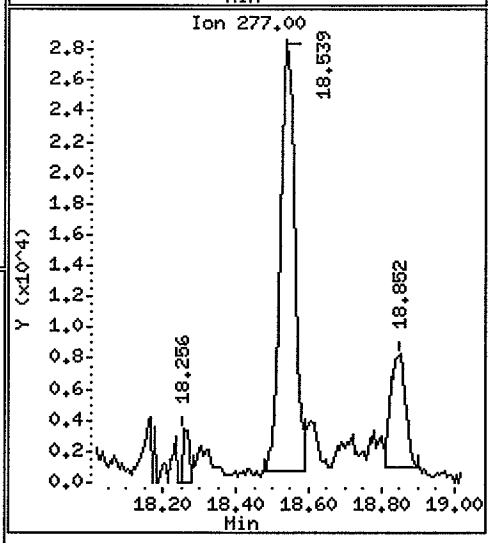












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

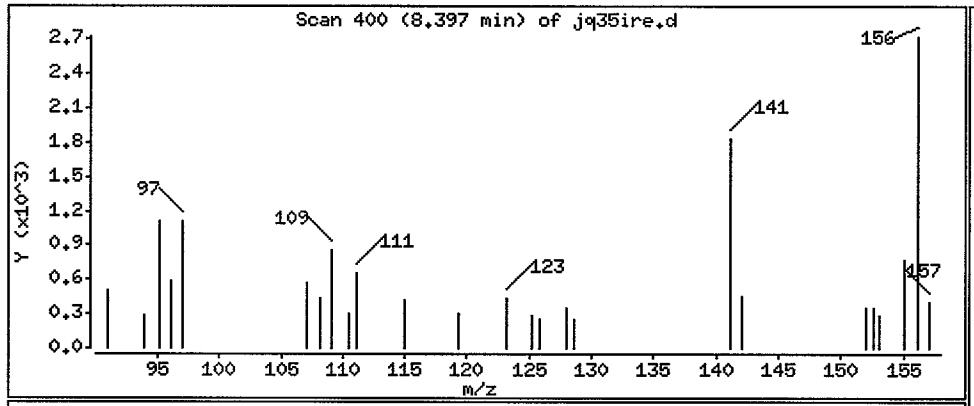
Operator: VTS

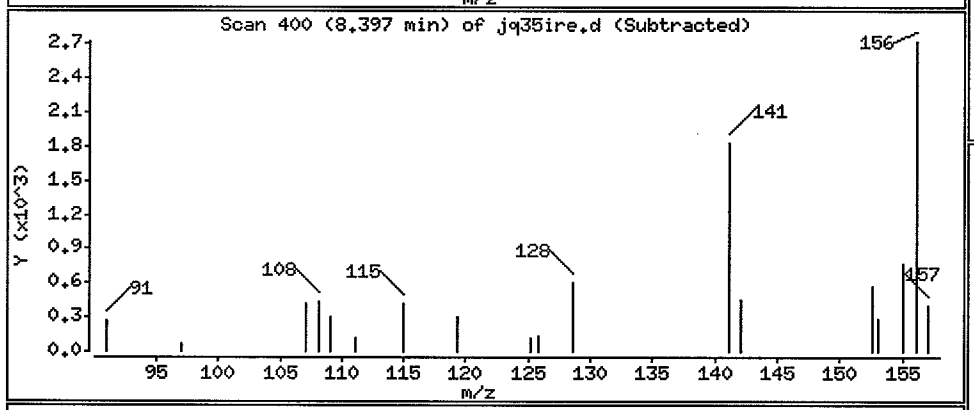
Column phase: ZB-5

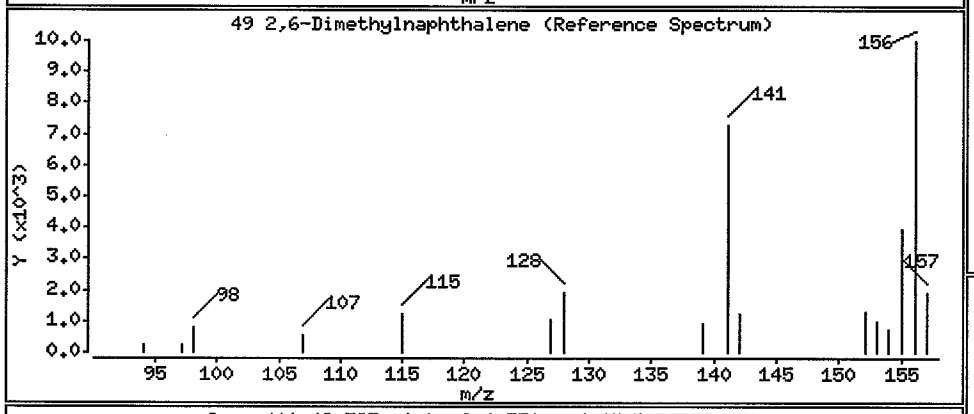
Column diameter: 0.25

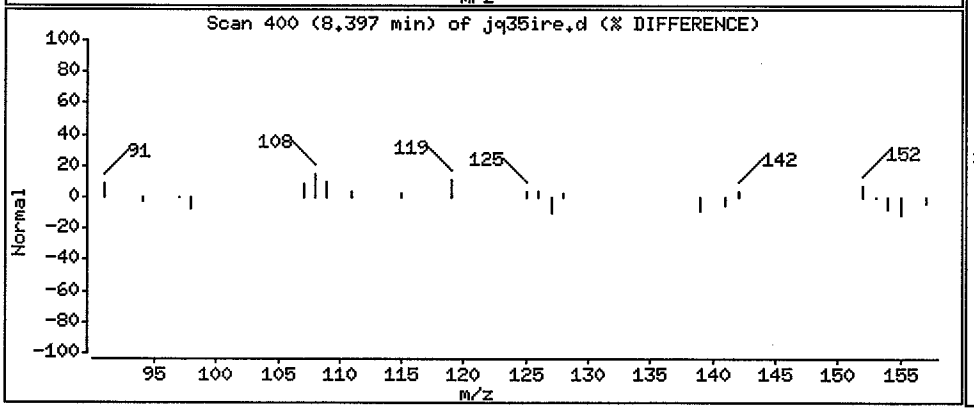
49 2,6-Dimethylnaphthalene

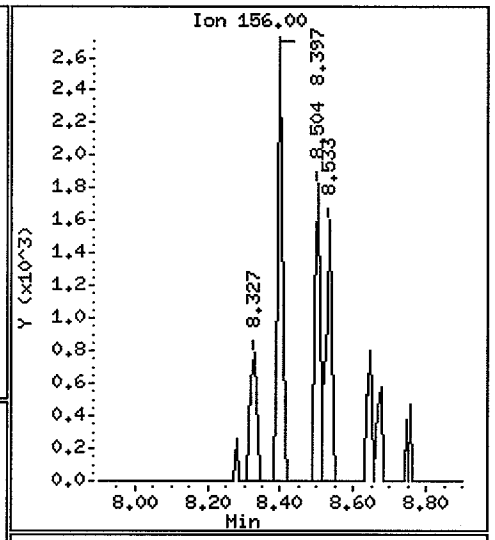
Concentration: 92.23 ug/kg

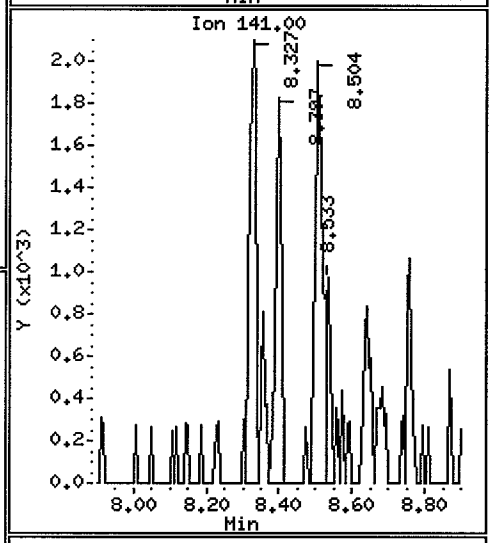


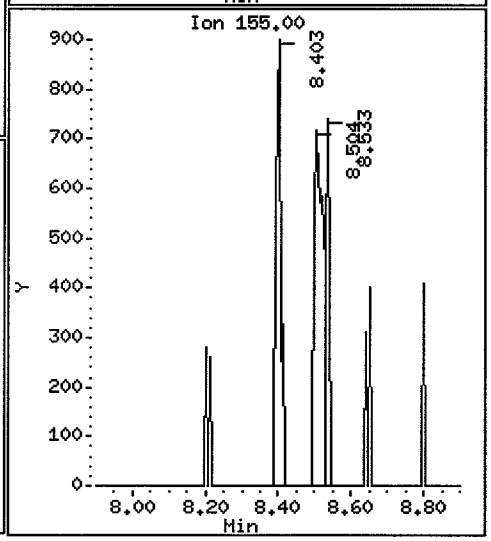












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

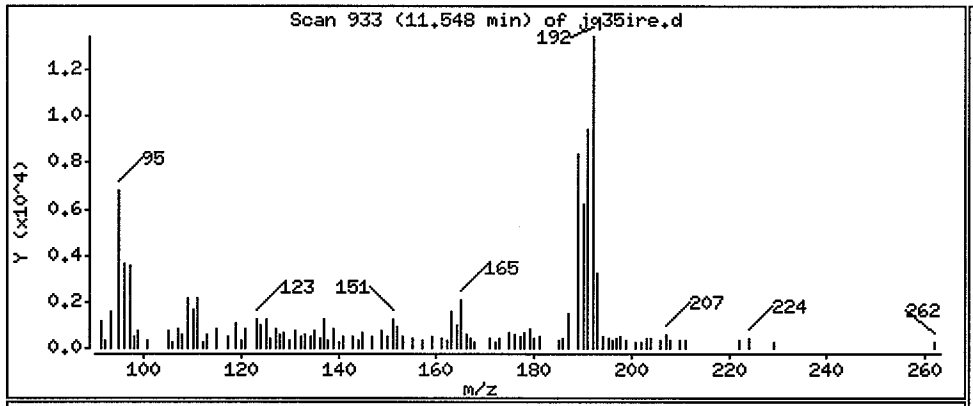
Operator: VTS

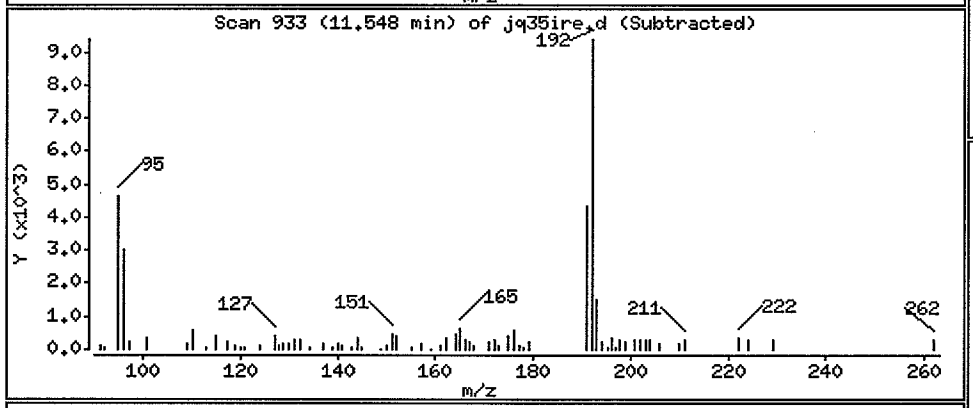
Column phase: ZB-5

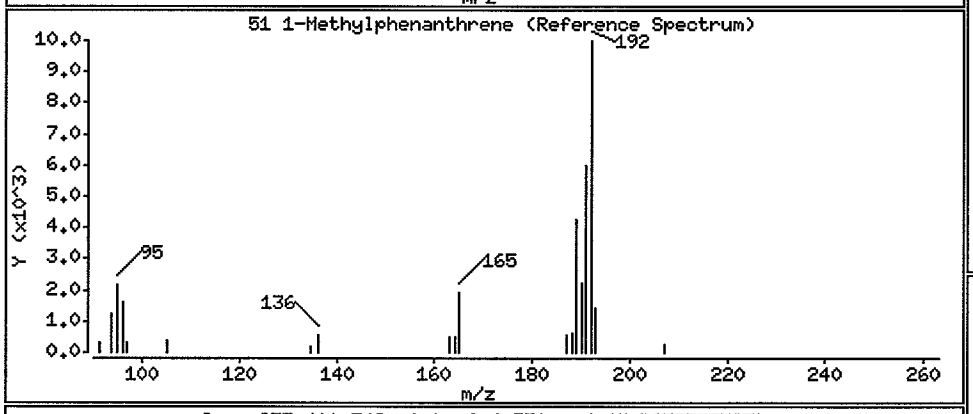
Column diameter: 0.25

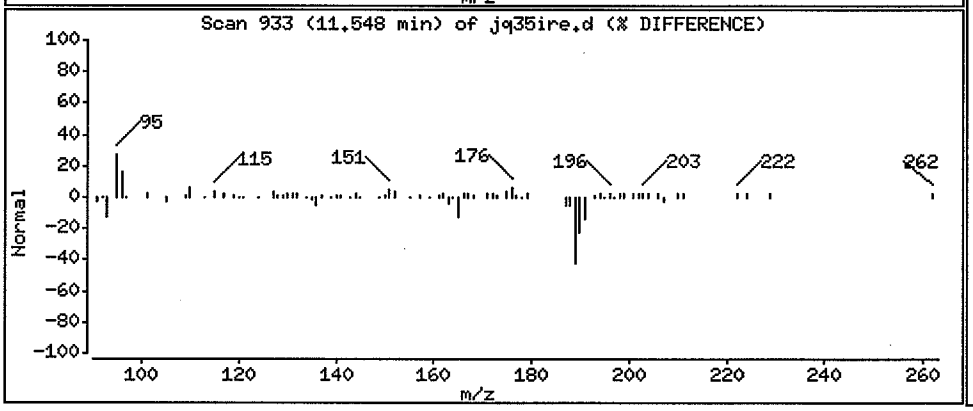
51 1-Methylphenanthrene

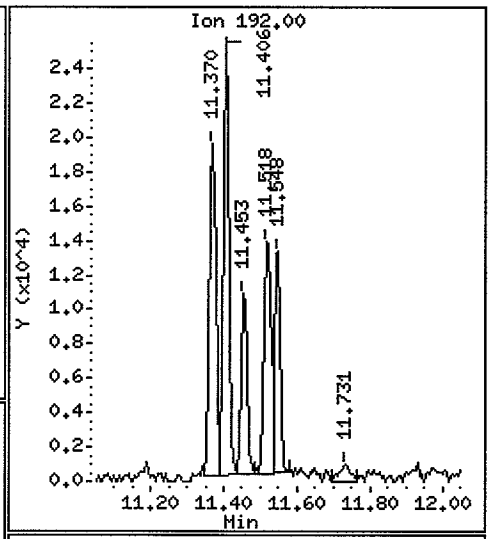
Concentration: 419.6 ug/kg

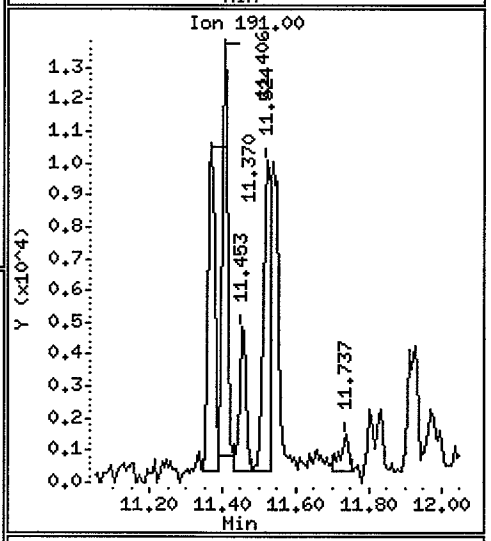


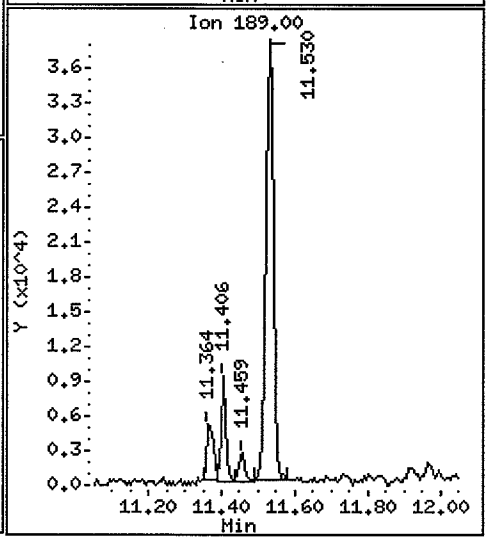












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

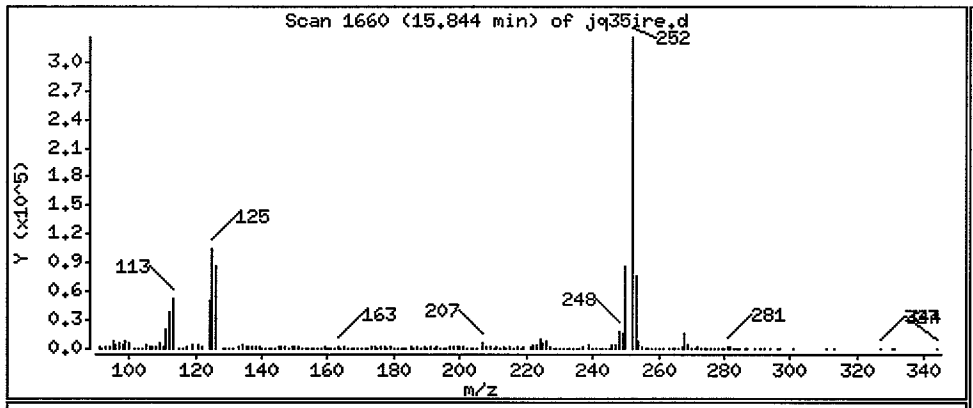
Operator: VTS

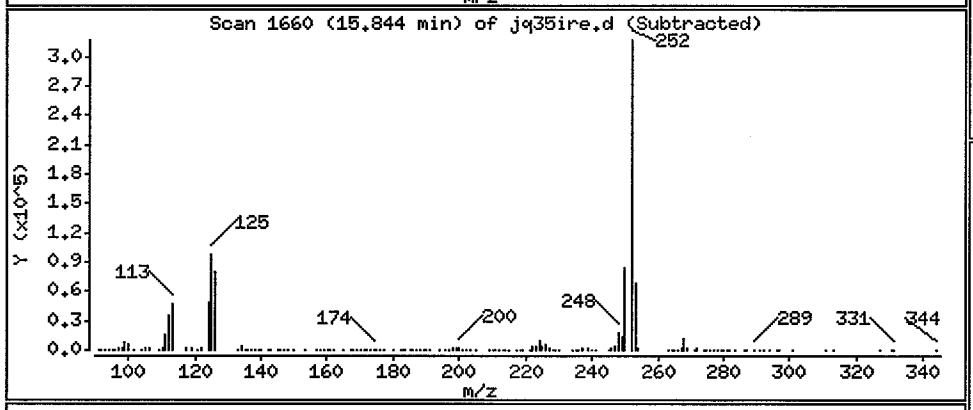
Column phase: ZB-5

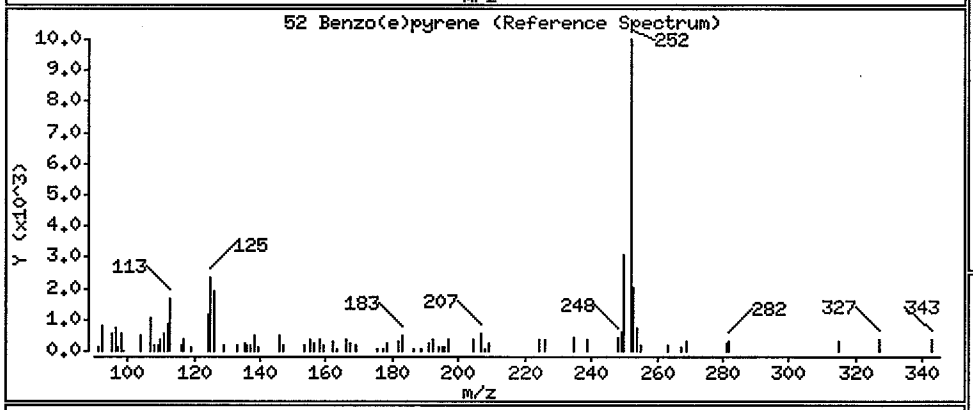
Column diameter: 0.25

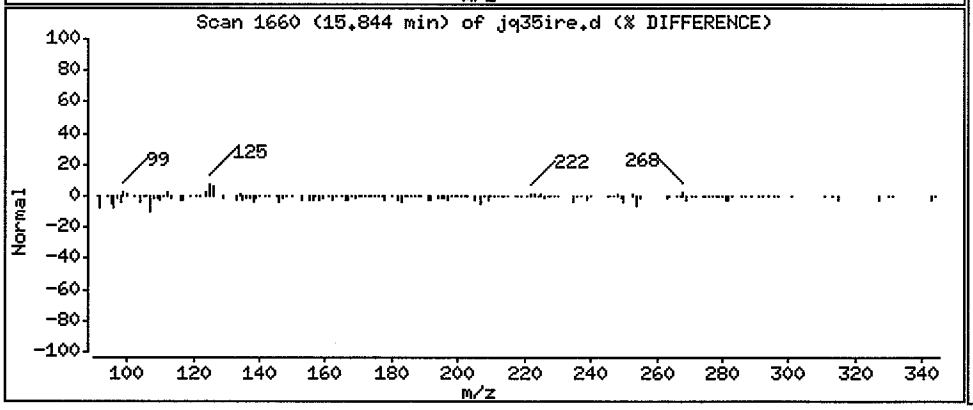
52 Benzo(e)pyrene

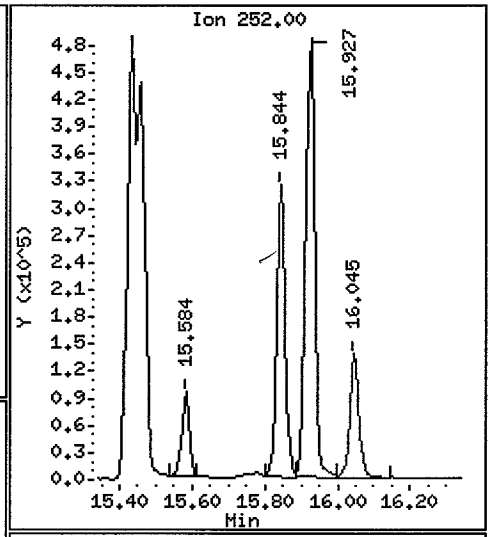
Concentration: 9160 ug/kg

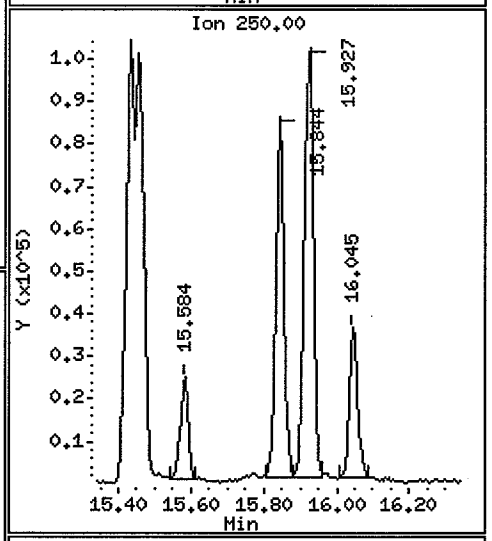


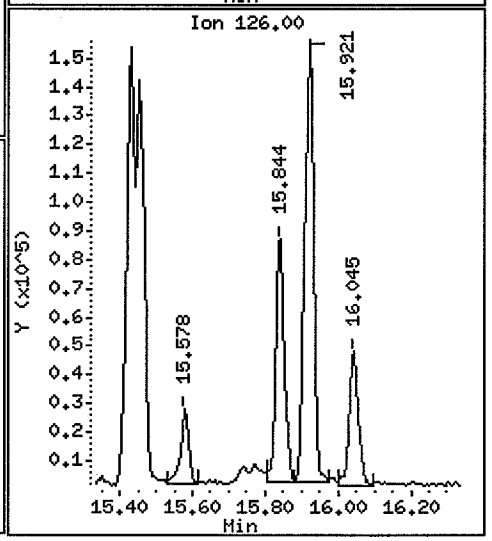












Data File: /chem3/nt1.i/20060810.b/jq35ire.d

Date : 10-AUG-2006 21:14

Client ID: T4-S3-05-F

Instrument: nt1.i

Sample Info: JQ35I

Volume Injected (uL): 1.0

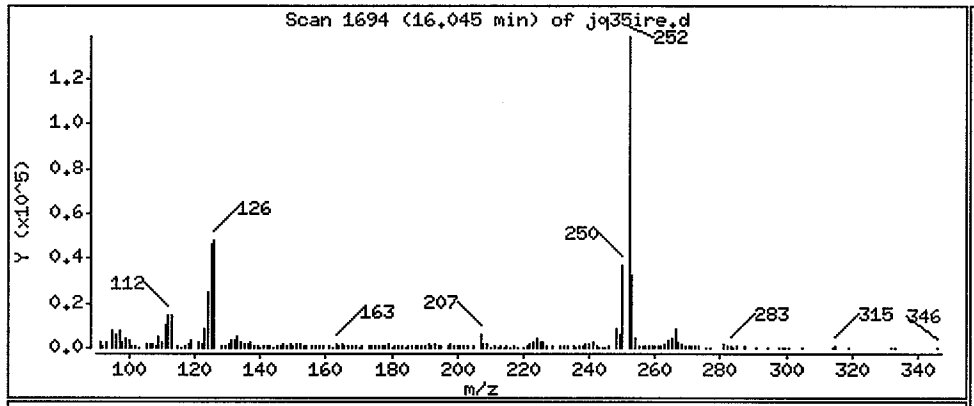
Operator: VTS

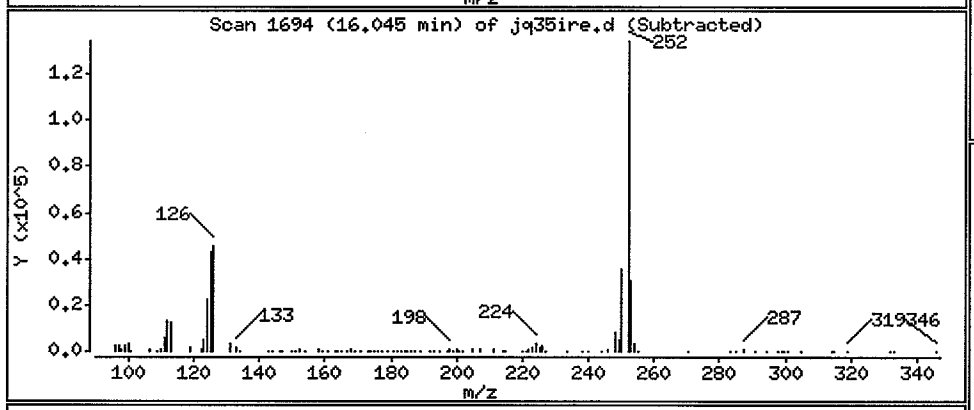
Column phase: ZB-5

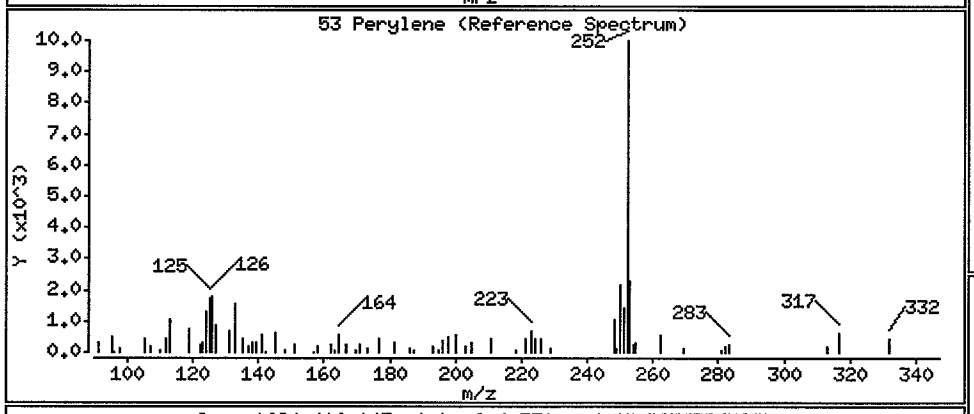
Column diameter: 0.25

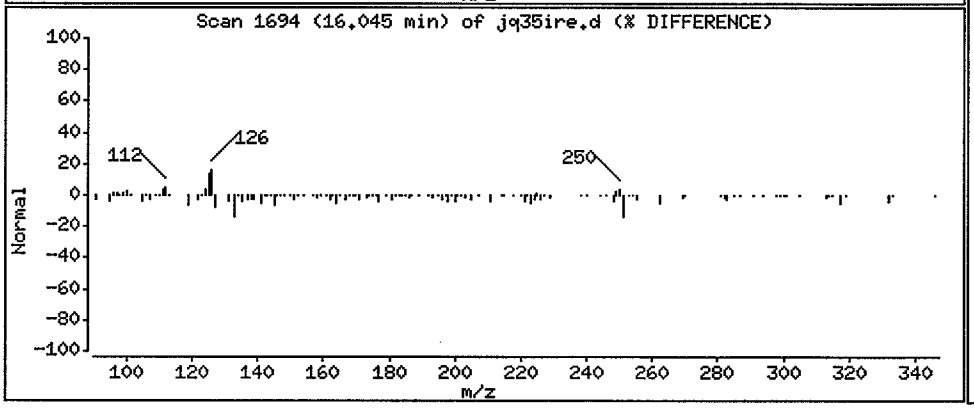
53 Perylene

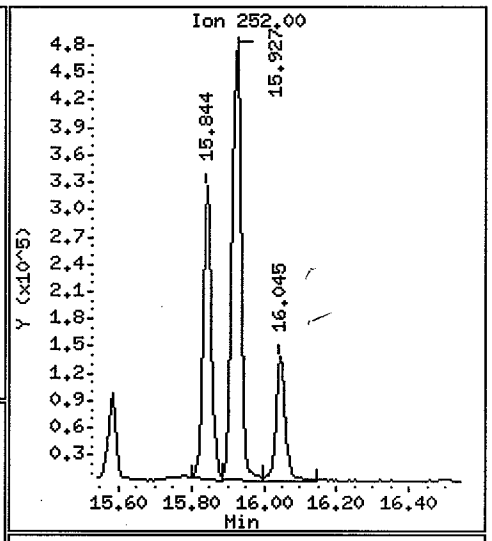
Concentration: 4612 ug/kg

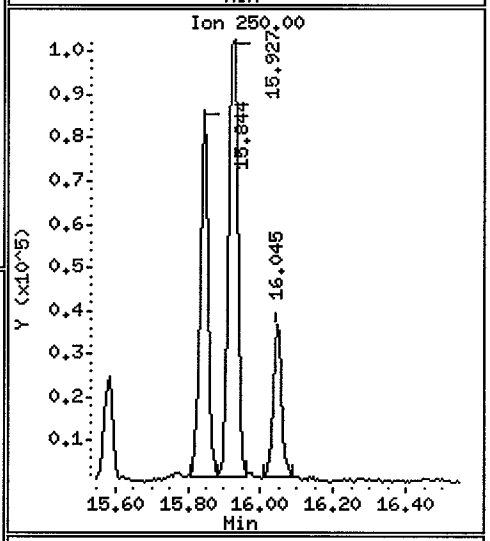


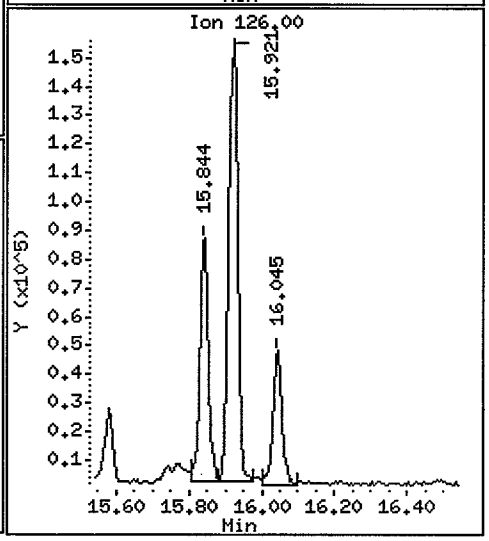












ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-05-G
SAMPLE

Lab Sample ID: JQ35J
LIMS ID: 06-12965
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/08/06 11:07
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 2.31 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 20.0
Percent Moisture: 42.9%
pH: 6.5

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**430**	**650**
91-57-6	2-Methylnaphthalene	430	< 430 U
90-12-0	1-Methylnaphthalene	430	< 430 U
208-96-8	Acenaphthylene	430	< 430 U
83-32-9	**Acenaphthene**	**430**	**3,900**
86-73-7	**Fluorene**	**430**	**1,700**
85-01-8	**Phenanthrene**	**430**	**14,000**
120-12-7	**Anthracene**	**430**	**3,300**
206-44-0	**Fluoranthene**	**430**	**33,000**
129-00-0	**Pyrene**	**430**	**30,000**
56-55-3	**Benzo(a)anthracene**	**430**	**21,000**
218-01-9	**Chrysene**	**430**	**25,000**
205-99-2	**Benzo(b)fluoranthene**	**430**	**24,000**
207-08-9	**Benzo(k)fluoranthene**	**430**	**26,000**
50-32-8	**Benzo(a)pyrene**	**430**	**28,000**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**430**	**17,000**
53-70-3	**Dibenz(a,h)anthracene**	**430**	**6,500**
191-24-2	**Benzo(g,h,i)perylene**	**430**	**20,000**
198-55-0	**Perylene**	**430**	**8,100**
92-52-4	Biphenyl	430	< 430 U
581-42-0	2,6-Dimethylnaphthalene	430	< 430 U
832-69-9	**1-Methylphenanthrene**	**430**	**1,200**
192-97-2	**Benzo(e)pyrene**	**430**	**17,000**
2245-38-7	2,3,5-Trimethylnaphthalene	430	< 430 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	102%
d14-Dibenzo(a,h)anthracen	99.3%

YZ 8/9/06.

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060808.b/jq35j20.d
Lab Smp Id: JQ35J — Client Smp ID: T4-S3-05-G
Inj Date : 08-AUG-2006 11:07
Operator : VTS — Inst ID: nt1.i
Smp Info : JQ35J,20
Misc Info : 06-12965
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: 3
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	4.05000	Weight of sample extracted (g)
M	42.90000	% 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	6.884	(1.000)	268640	2.00000	
2 Naphthalene	128	6.902	6.907	(1.003)	20005	0.14929	645.6
$ 3 2-Methylnaphthalene-d10	152	7.640	7.640	(1.110)	10582	0.15293	661.3(R)
4 2-Methylnaphthalene	142	7.676	7.676	(1.115)	6785	0.08550	369.7
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.946	8.946	(1.000)	137942	2.00000	
9 Acenaphthene	153	8.982	8.982	(1.004)	61123	0.90243	3902
10 Dibenzofuran	168	9.171	9.171	(1.025)	13880	0.13912	601.6
11 Fluorene	166	9.597	9.596	(1.073)	30545	0.39328	1701
* 15 Phenanthrene-d10	188	10.755	10.755	(1.000)	228879	2.00000	
16 Phenanthrene	178	10.784	10.784	(1.003)	391349	3.33120	14400
17 Anthracene	178	10.844	10.843	(1.008)	90184	0.76816	3322
19 Fluoranthene	202	12.280	12.280	(1.142)	923387	7.70603	33320

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
20 Pyrene	202	12.569	12.569	(0.893)	895619	7.04281	30450
22 Benzo(a)anthracene	228	14.053	14.047	(0.999)	586599	4.91876	21270
* 23 Chrysene-d12	240	14.071	14.070	(1.000)	198041	2.00000	
24 Chrysene	228	14.106	14.100	(1.003)	638525	5.80489	25100
28 Benzo(b)fluoranthene	252	15.448	15.441	(0.964)	646375	5.54819	23990
29 Benzo(k)fluoranthene	252	15.477	15.477	(0.966)	740049	5.95842	25770
30 Benzo(a)pyrene	252	15.944	15.938	(0.995)	741944	6.53581	28260
* 31 Perylene-d12	264	16.027	16.021	(1.000)	206426	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	17.989	17.989	(1.122)	511963	3.92166	16960
$ 32 Dibenz(a,h)anthrancene-d14	292	17.912	17.912	(1.118)	11804	0.14942	646.1(M)
34 Dibenz(a,h)anthracene	278	17.971	17.977	(1.121)	160409	1.50409	6504
35 Benzo(g,h,i)perylene	276	18.580	18.568	(1.159)	512086	4.71887	20410
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	11.559	(0.821)	22050	0.27200	1176
52 Benzo(e)pyrene	252	15.861	15.861	(0.990)	481340	3.83058	16560
53 Perylene	252	16.068	16.068	(1.003)	221214	1.87496	8108

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: jq35j20.d
Lab Smp Id: JQ35J
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060808.b/simpna.m
Misc Info: 06-12965

Calibration Date: 08-AUG-2006
Calibration Time: 09:27
Client Smp ID: T4-S3-05-G
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	260380	130190	520760	268640	3.17
8 Acenaphthene-d10	135690	67845	271380	137942	1.66
15 Phenanthrene-d10	210931	105466	421862	228879	8.51
23 Chrysene-d12	190595	95298	381190	198041	3.91
31 Perylene-d12	193807	96904	387614	206426	6.51

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	10.75	10.25	11.25	10.75	0.00
23 Chrysene-d12	14.07	13.57	14.57	14.07	0.00
31 Perylene-d12	16.02	15.52	16.52	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

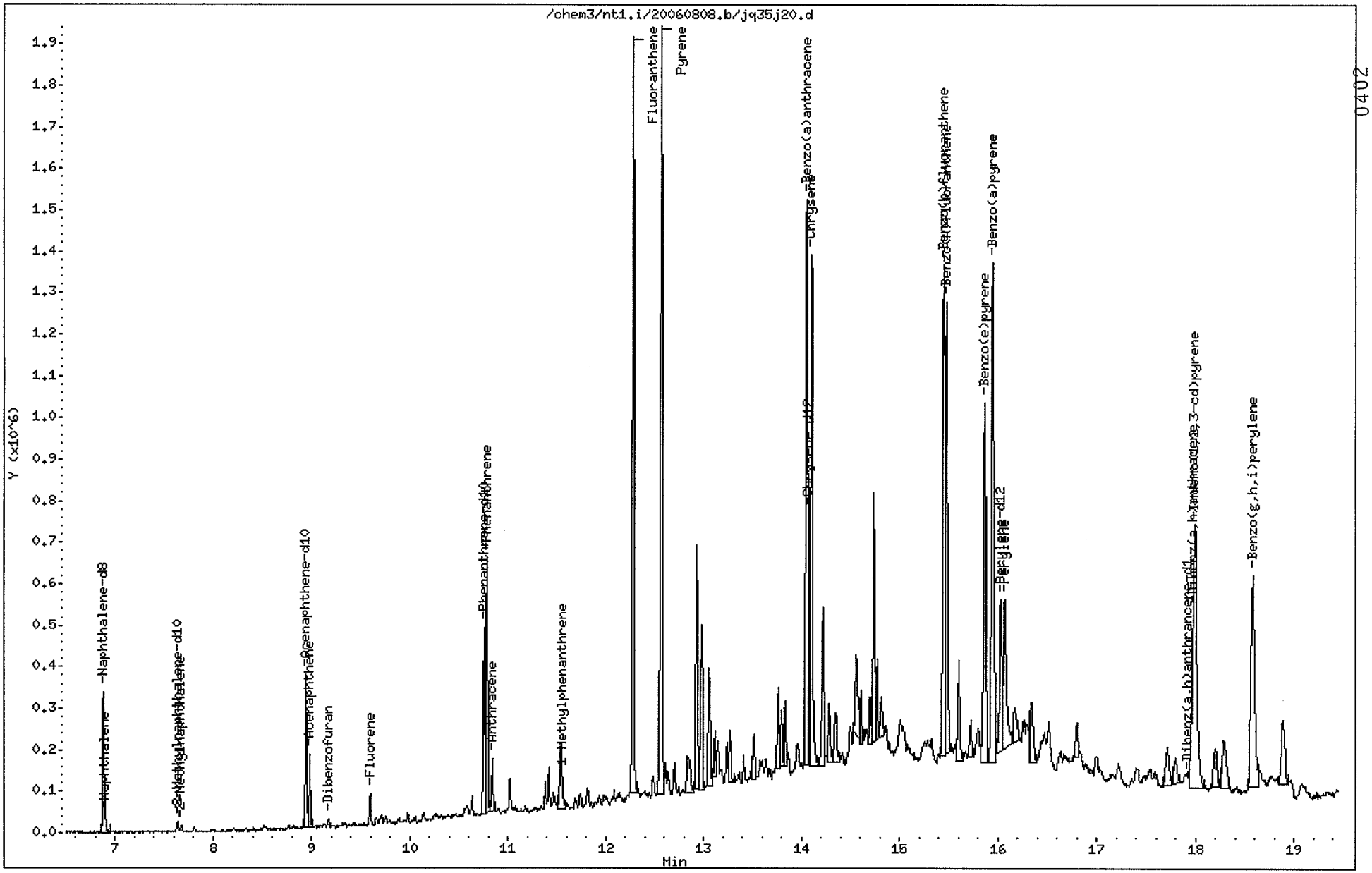
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35J
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060808.b/simpna.m
Misc Info: 06-12965

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-05-G
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	648.6	661.3	101.96*	32-97
$ 32 Dibenz(a,h)anthran	648.6	646.1	99.61	21-105

Data File: /chem3/nt1.i/20060808.b/jq35j20.d
Date : 08-AUG-2006 11:07
Client ID: T4-S3-05-G
Sample Info: JQ35J,20
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0402

Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

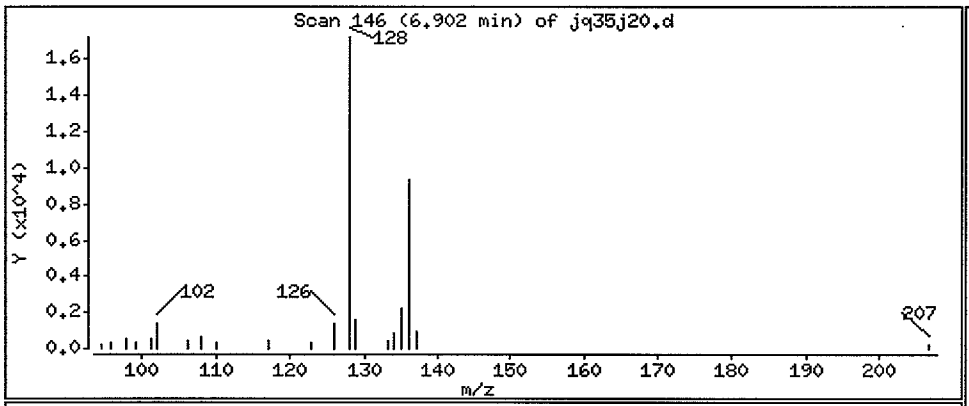
Operator: VTS

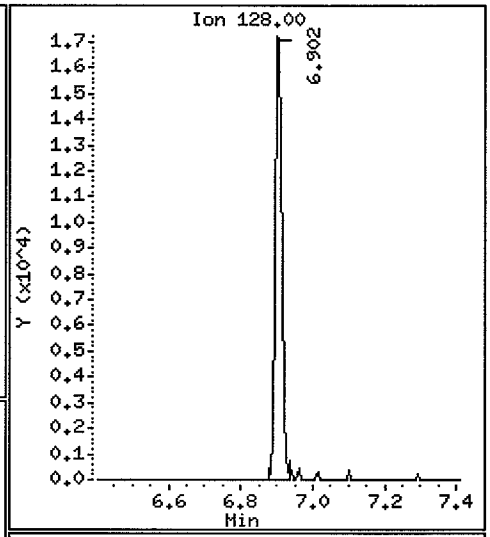
Column phase: ZB-5

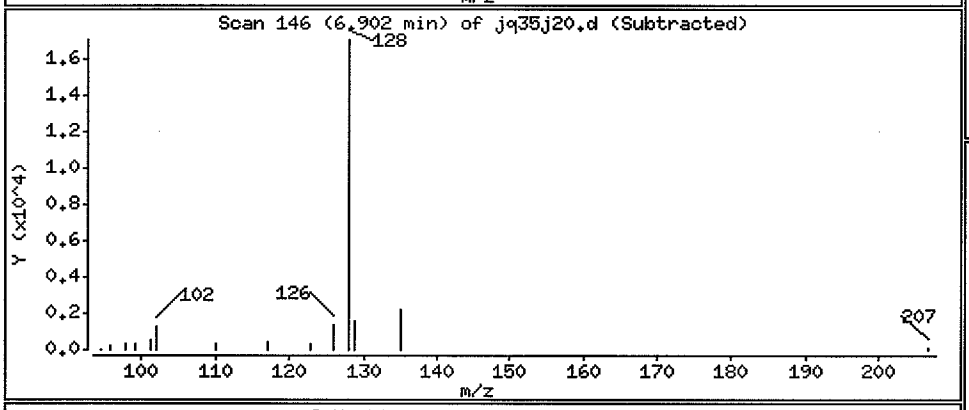
Column diameter: 0.25

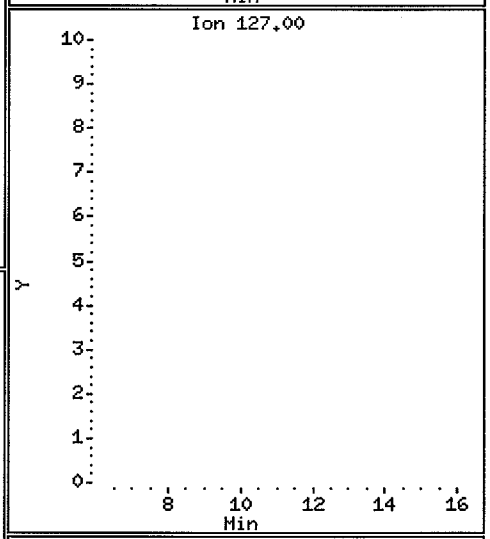
2 Naphthalene

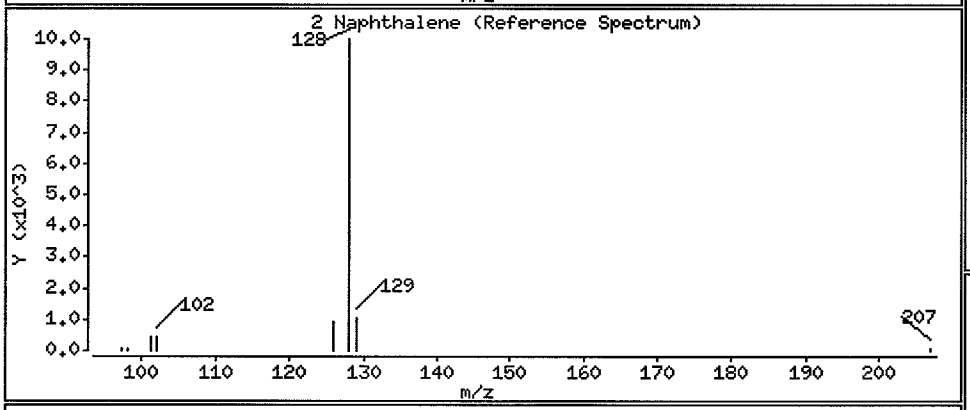
Concentration: 645.6 ug/kg

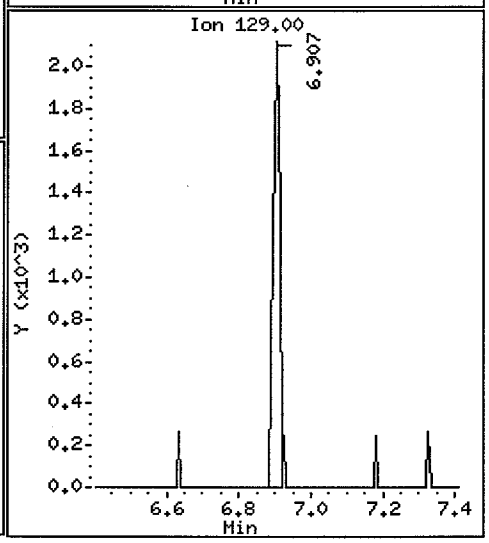


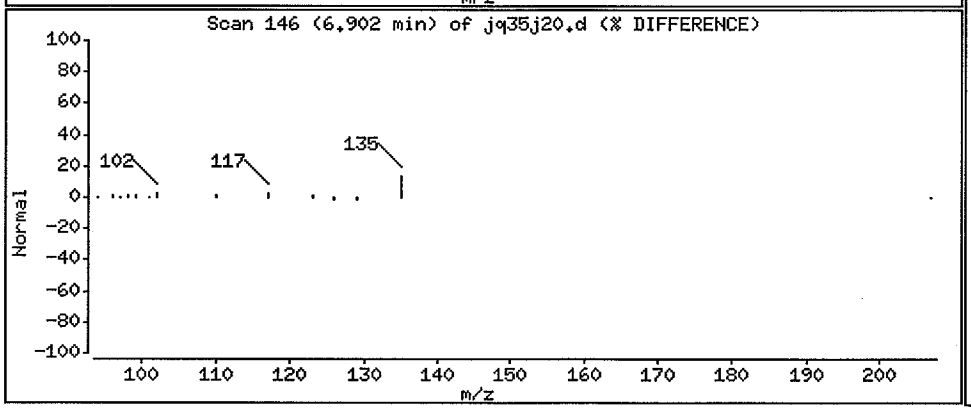












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

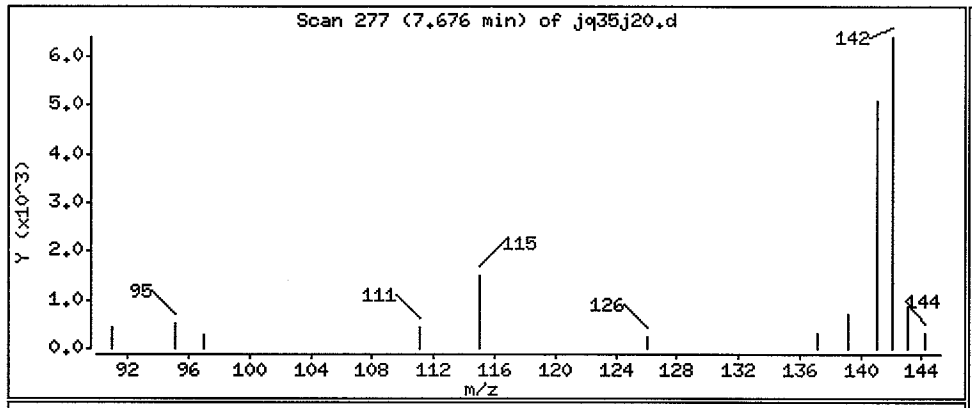
Operator: VTS

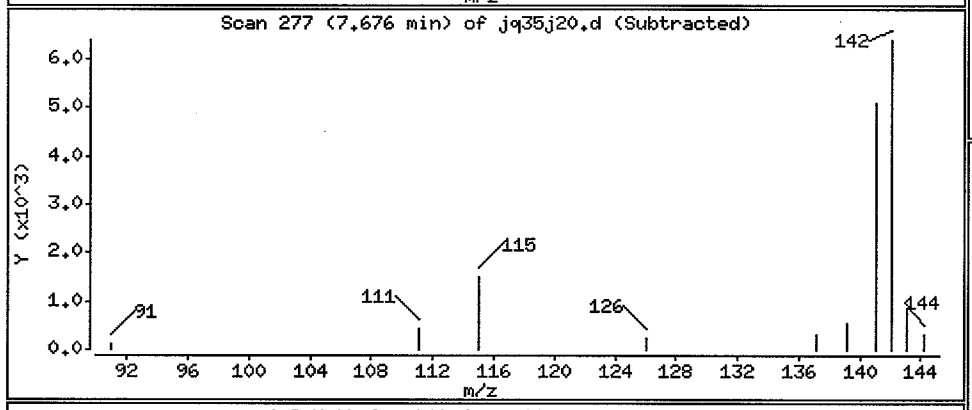
Column phase: ZB-5

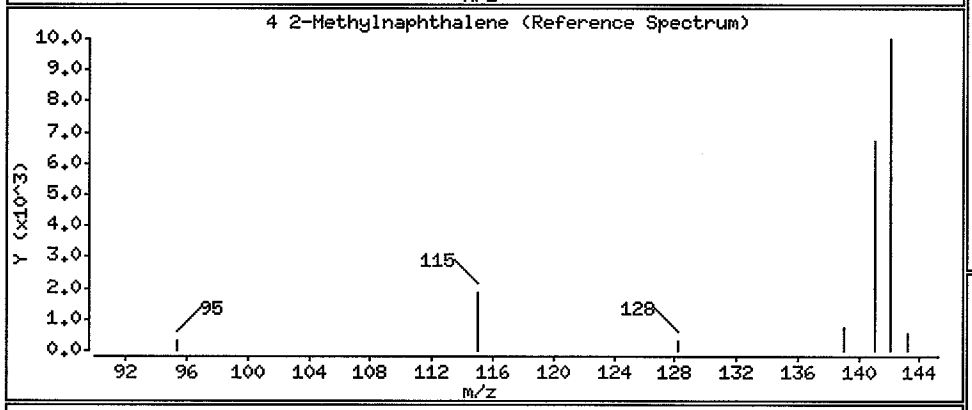
Column diameter: 0.25

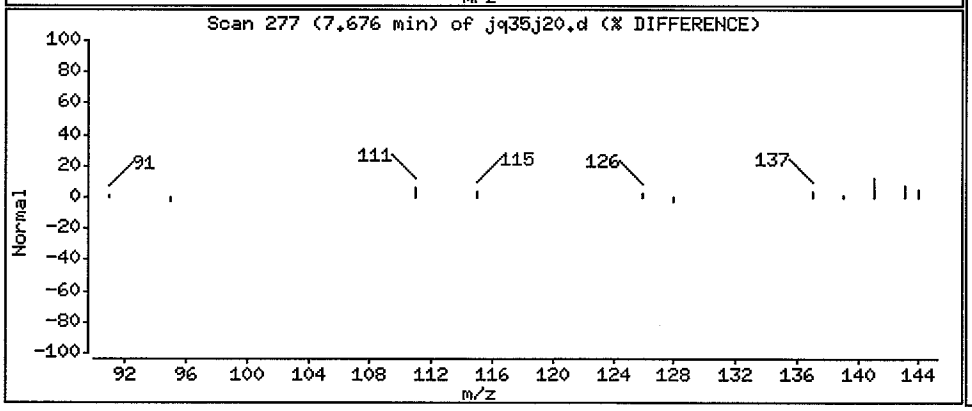
4 2-Methylnaphthalene

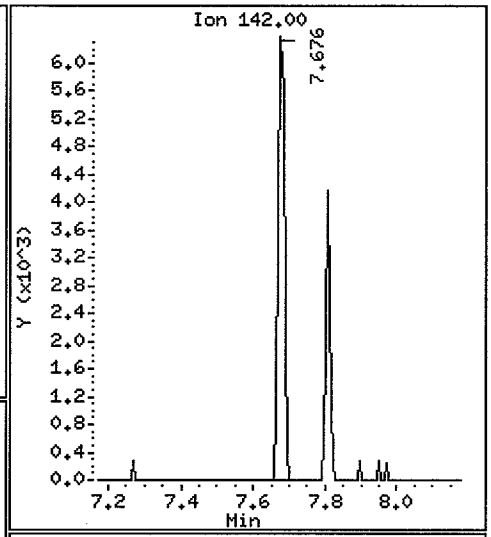
Concentration: 369.7 ug/kg

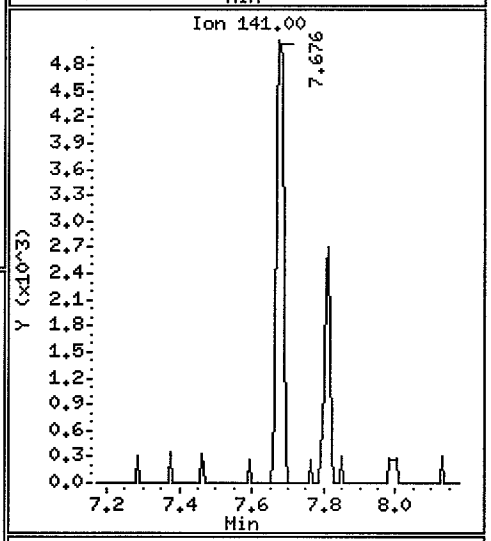


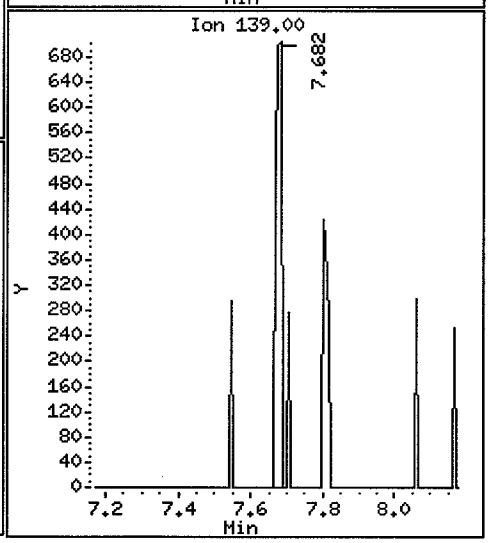












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

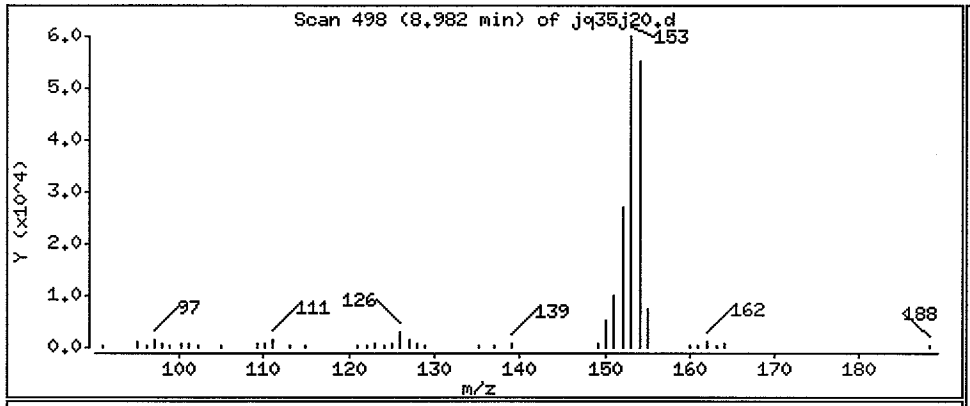
Operator: VTS

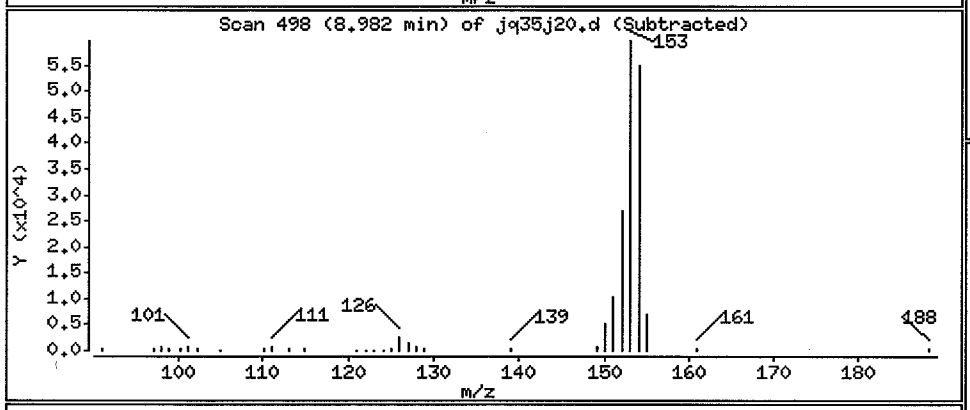
Column phase: ZB-5

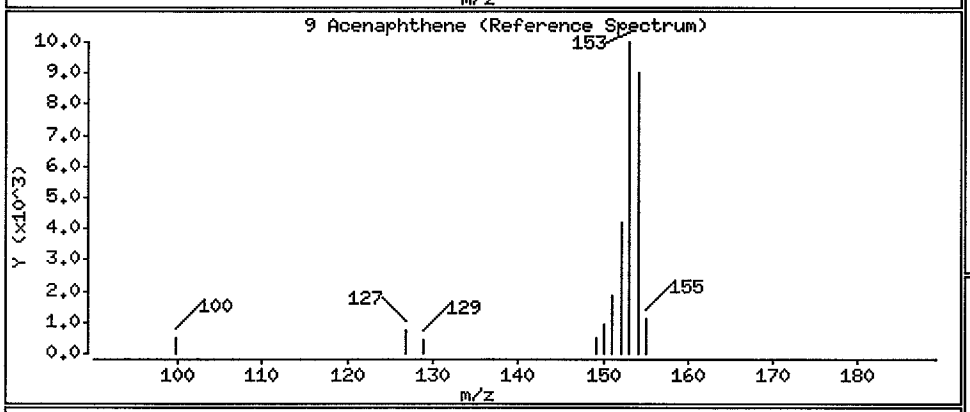
Column diameter: 0.25

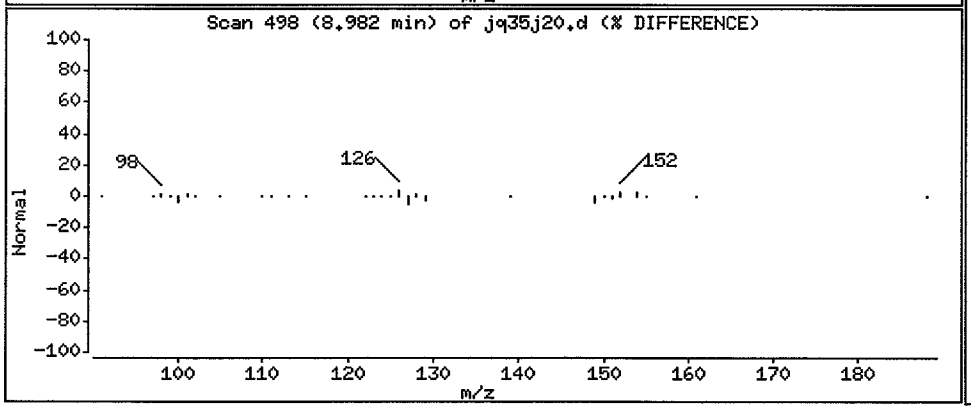
9 Acenaphthene

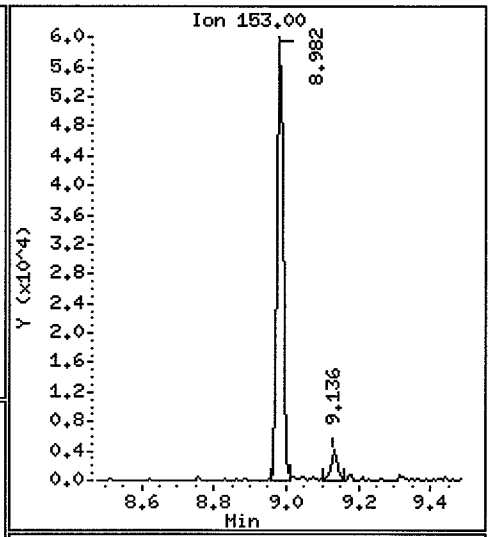
Concentration: 3902 ug/kg

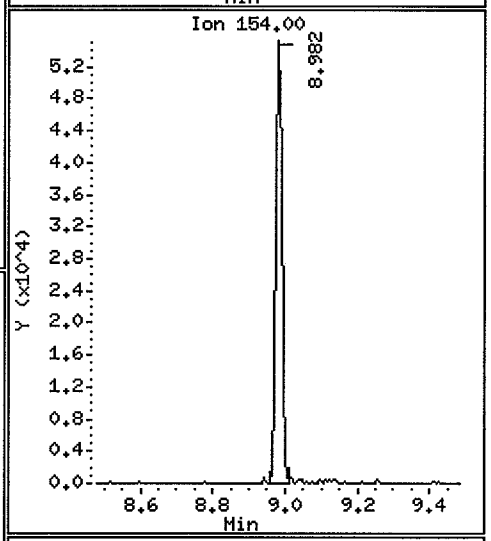


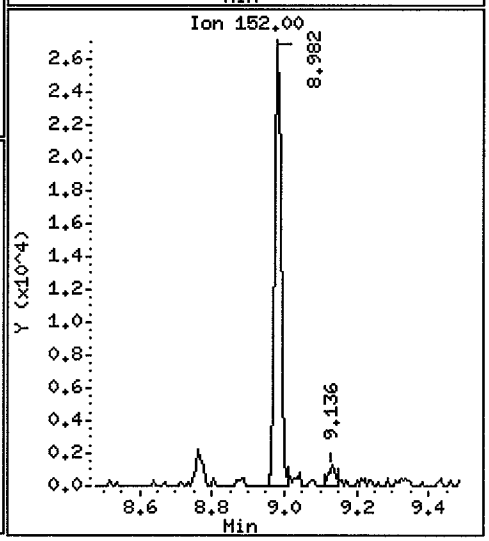












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

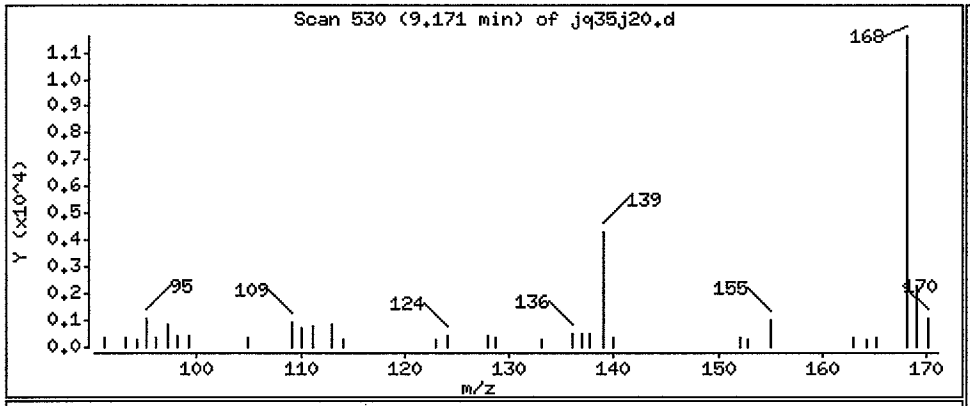
Operator: VTS

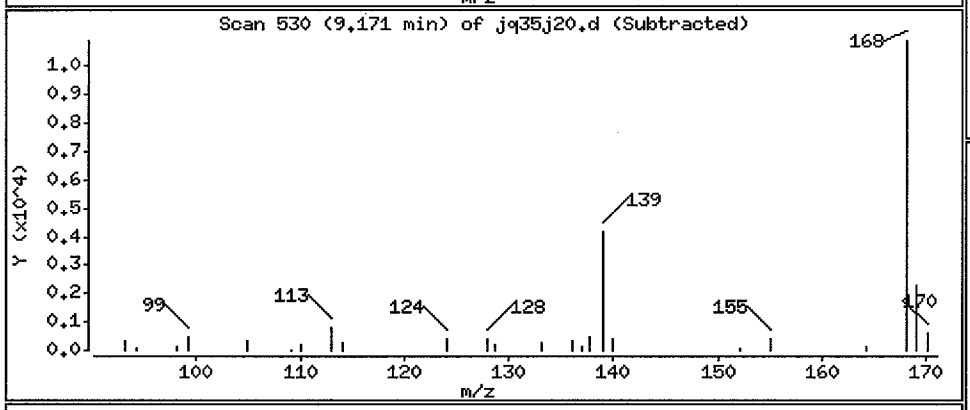
Column phase: ZB-5

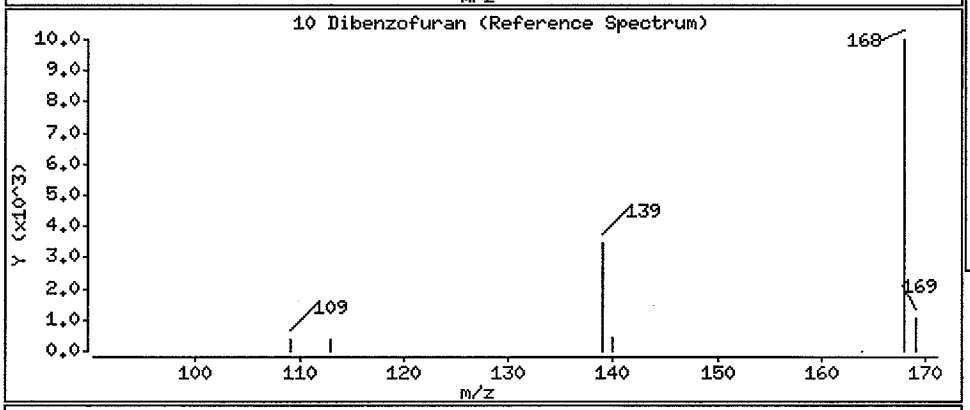
Column diameter: 0.25

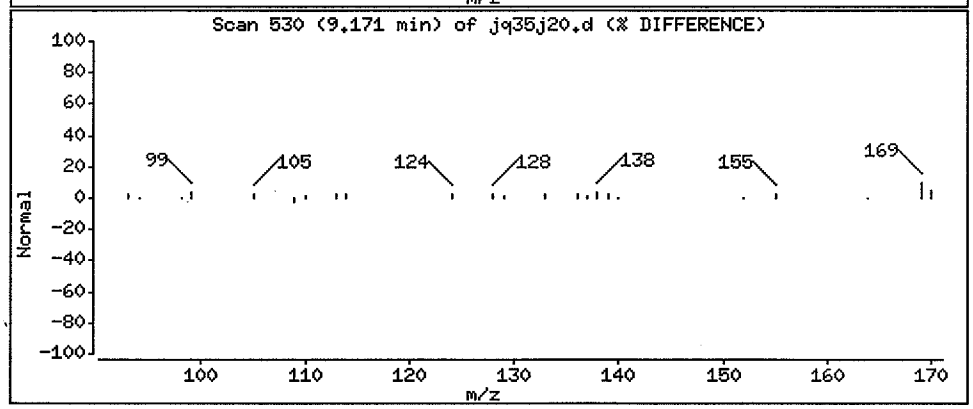
10 Dibenzofuran

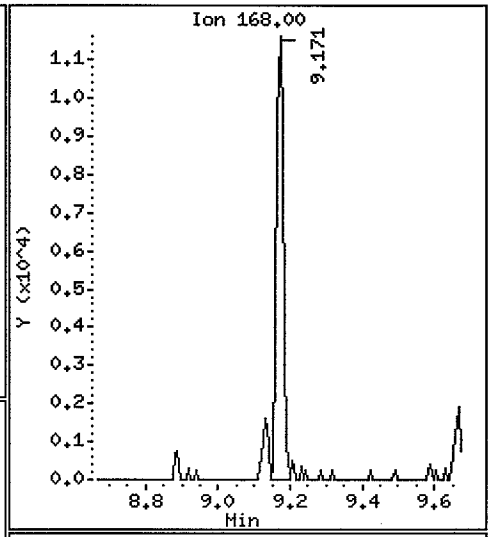
Concentration: 601.6 ug/kg

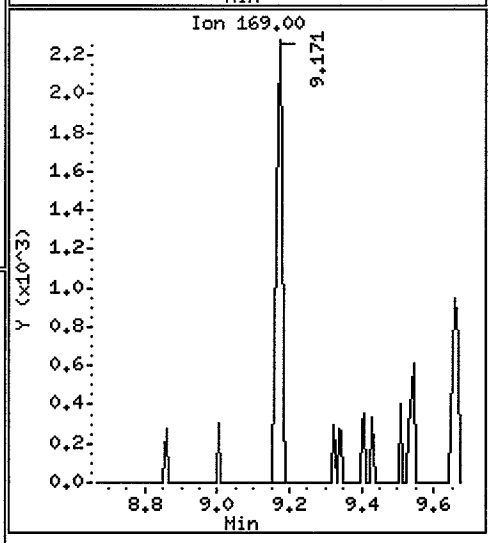












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

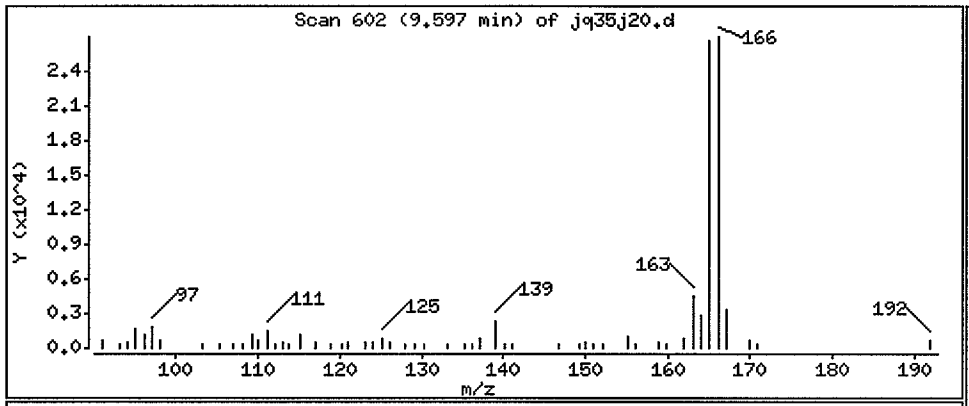
Operator: VTS

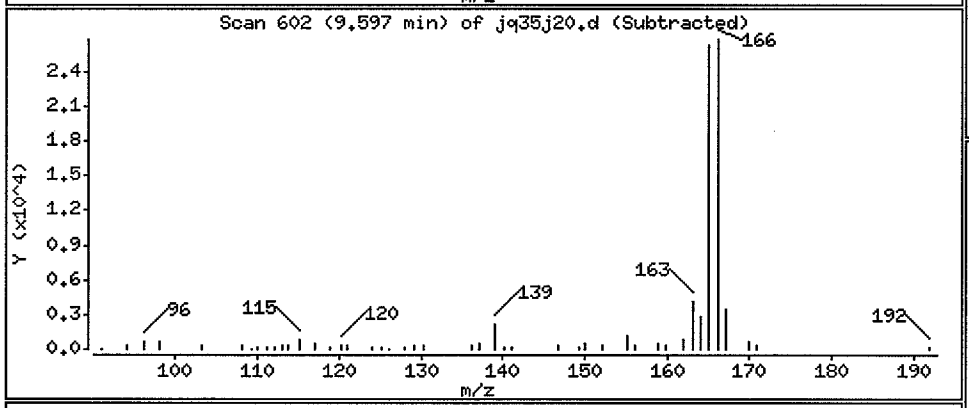
Column phase: ZB-5

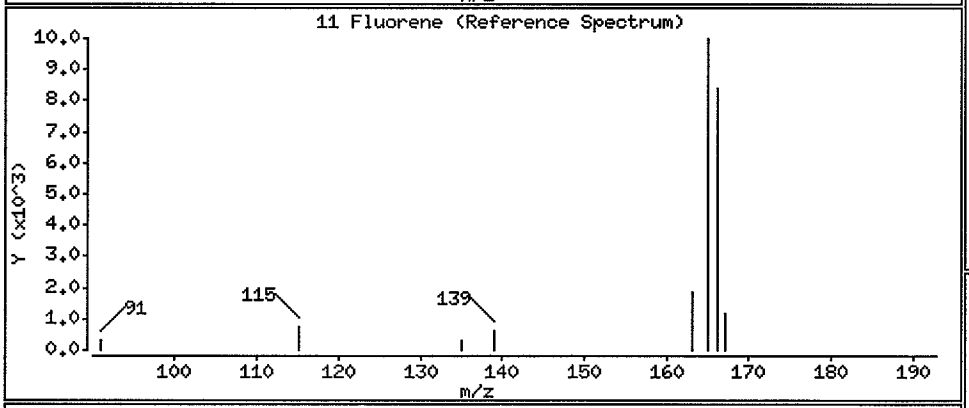
Column diameter: 0.25

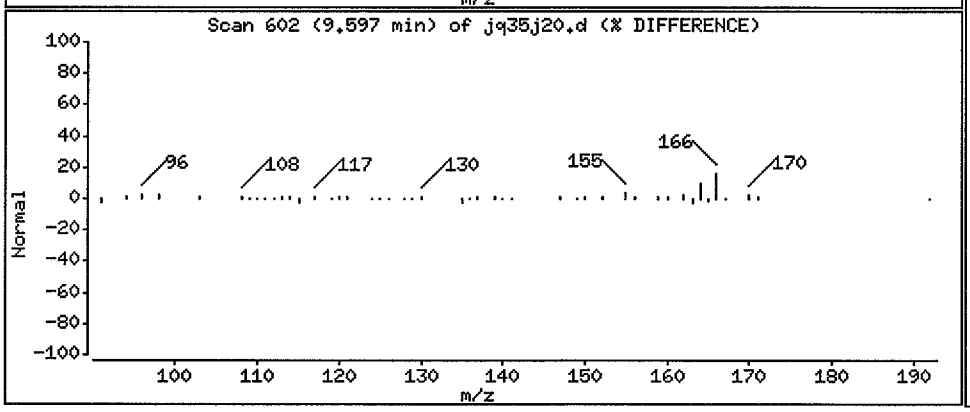
11 Fluorene

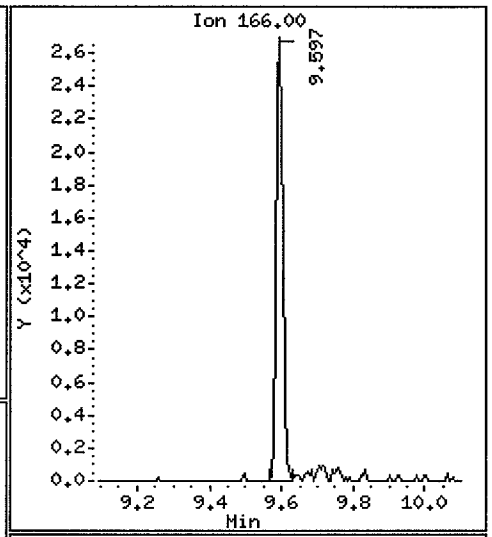
Concentration: 1701 ug/kg

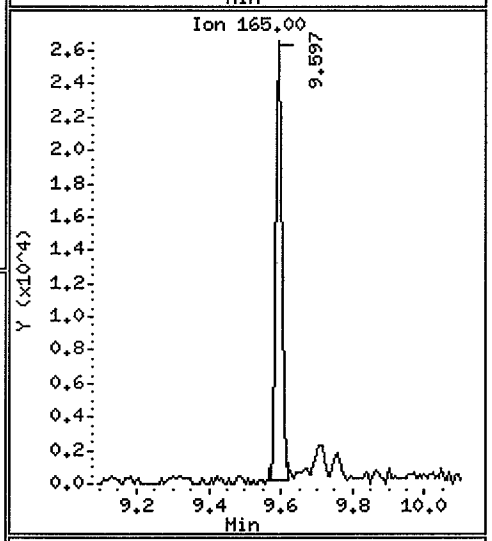


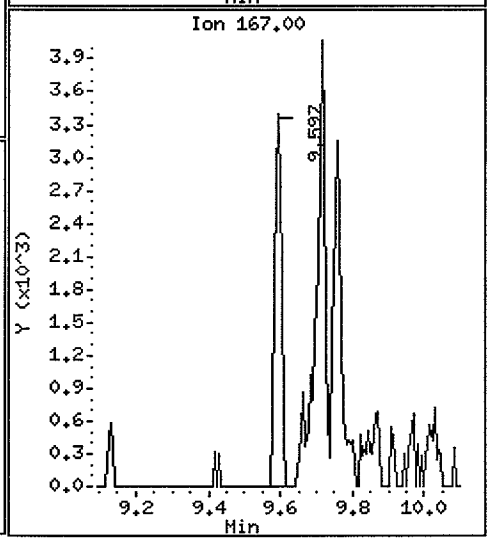












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

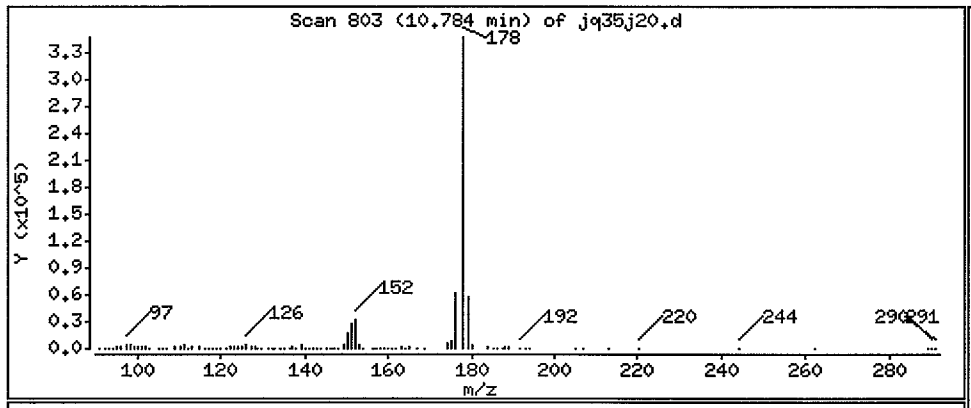
Operator: VTS

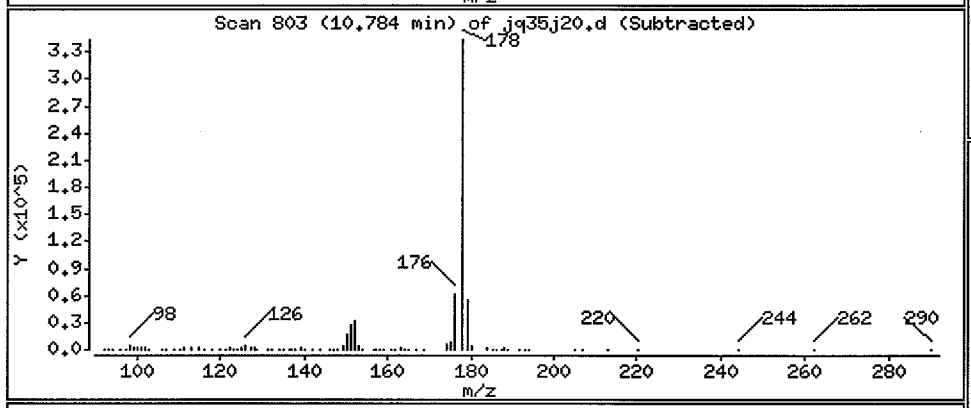
Column phase: ZB-5

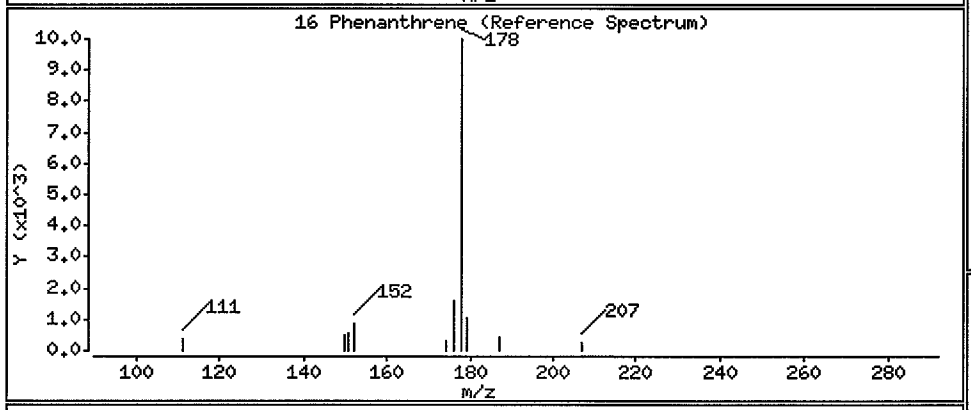
Column diameter: 0.25

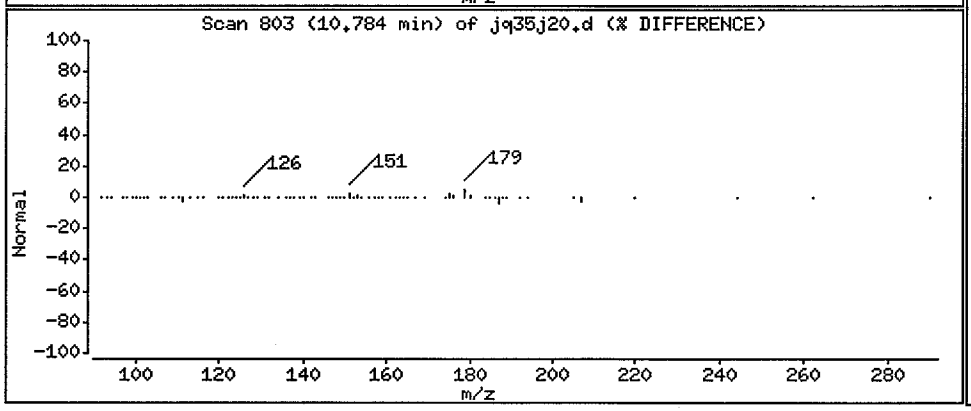
16 Phenanthrene

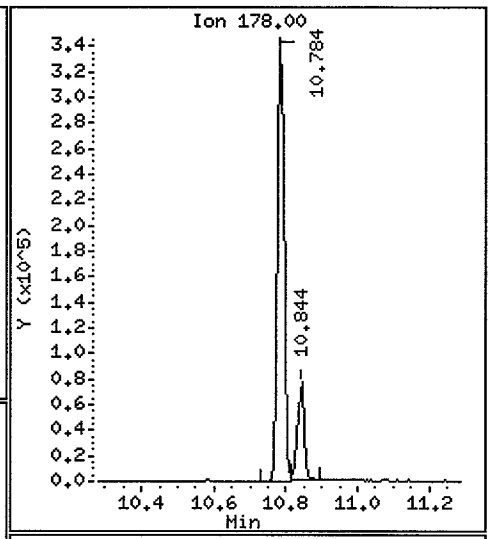
Concentration: 14400 ug/kg

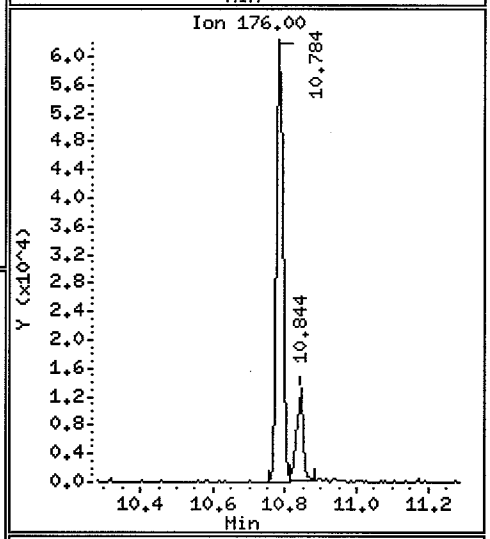


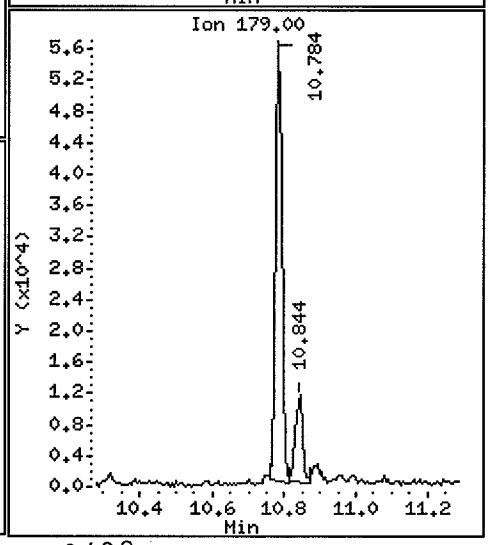












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

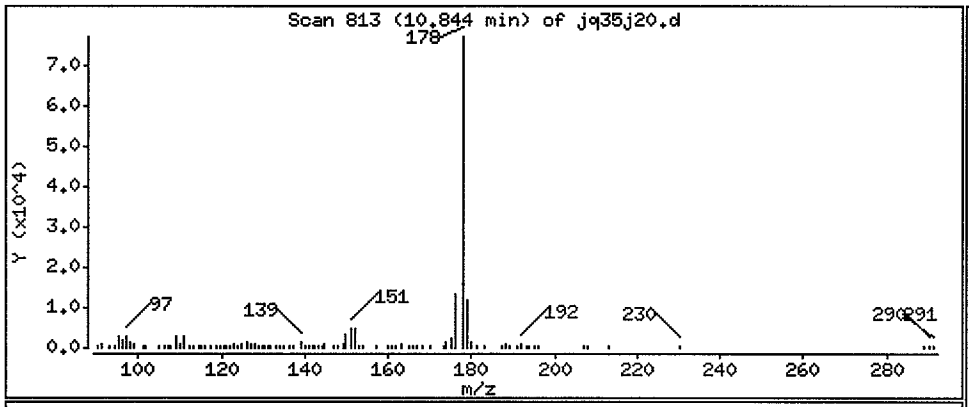
Operator: VTS

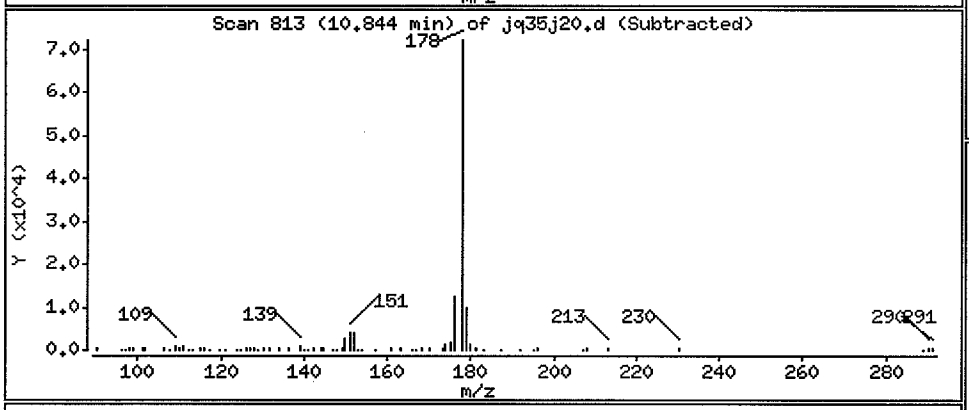
Column phase: ZB-5

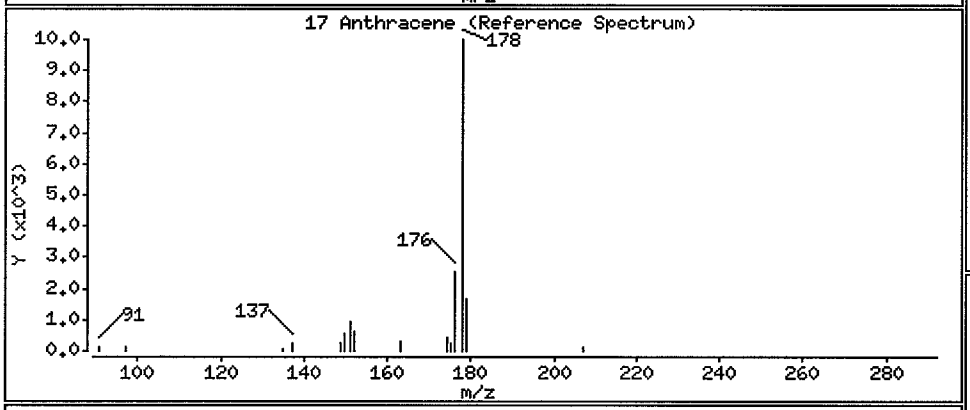
Column diameter: 0.25

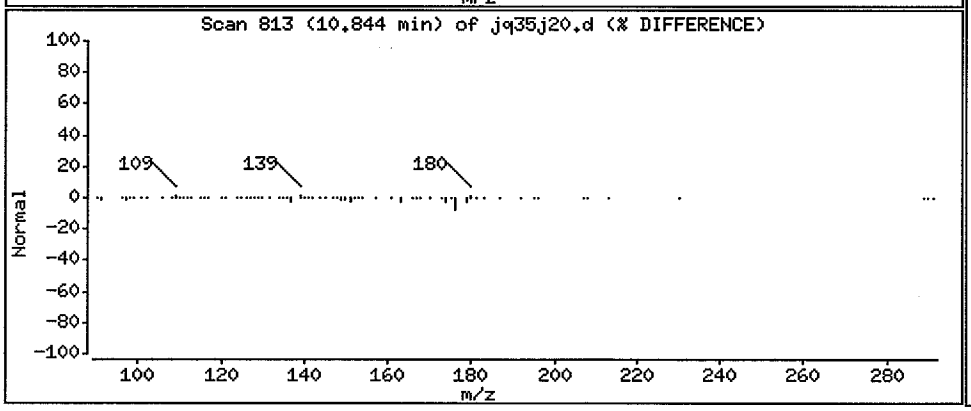
17 Anthracene

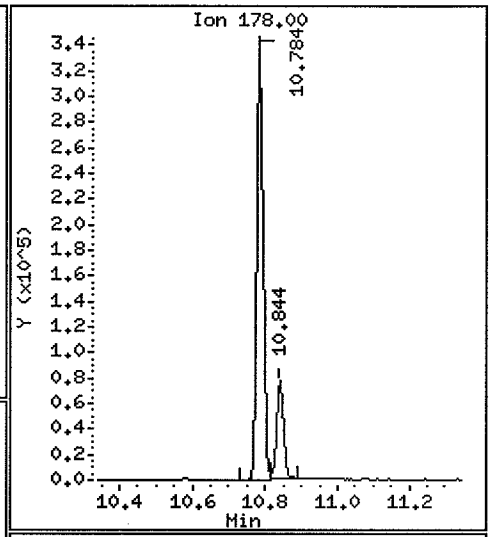
Concentration: 3322 ug/kg

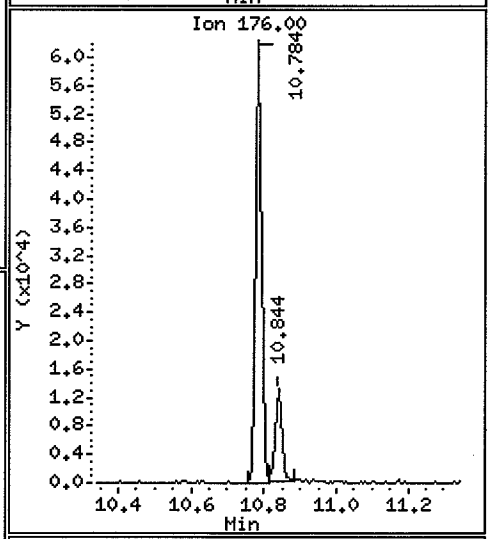


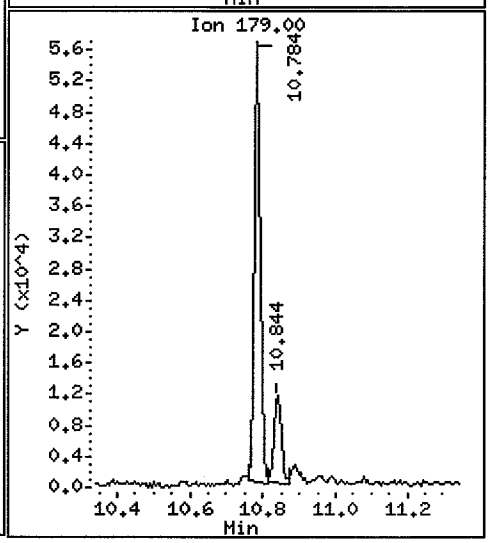












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

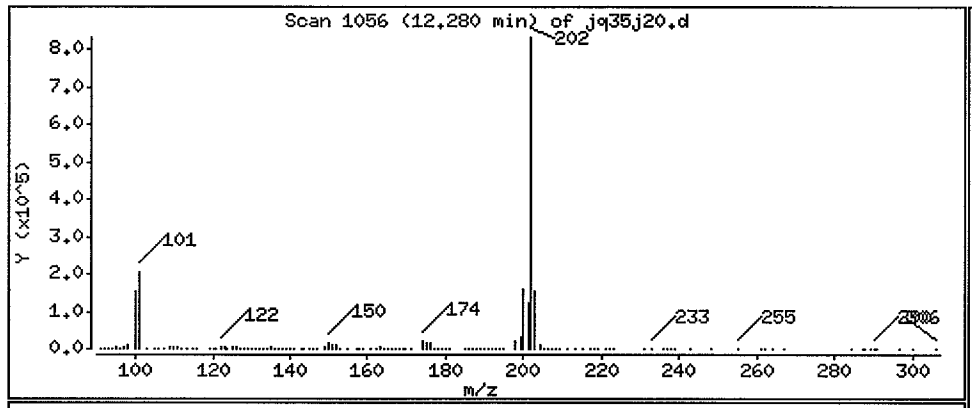
Operator: VTS

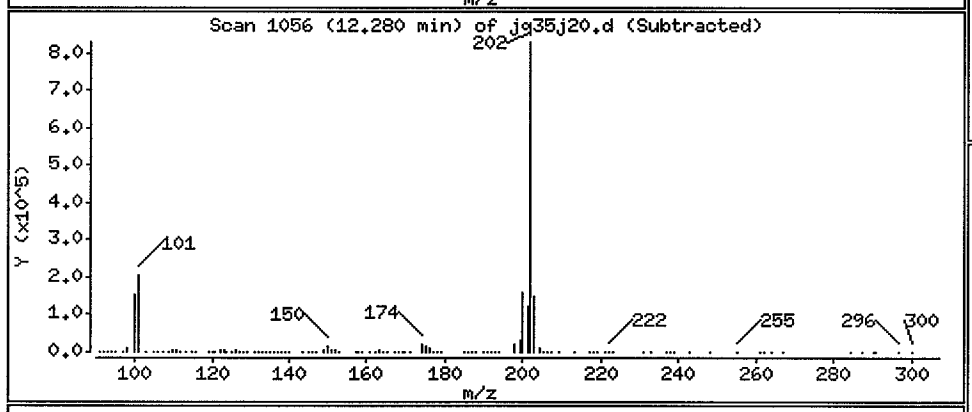
Column phase: ZB-5

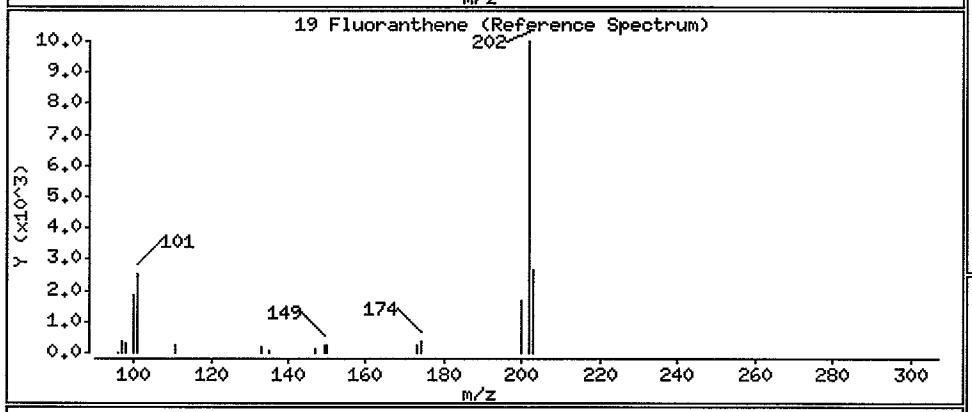
Column diameter: 0.25

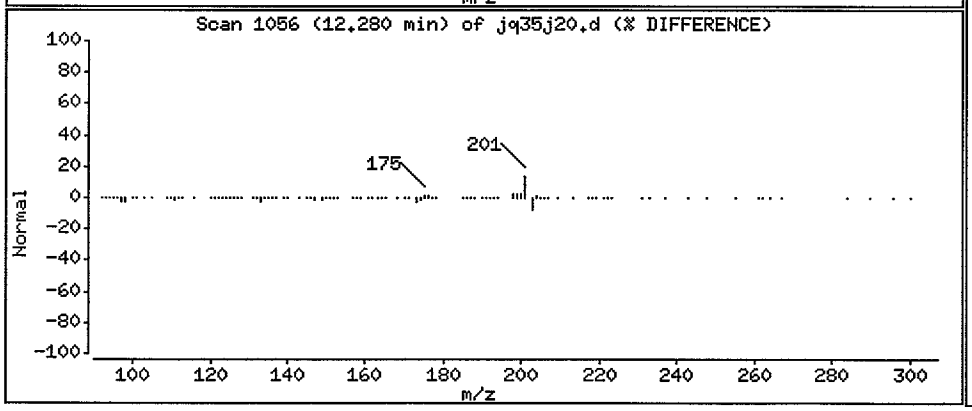
19 Fluoranthene

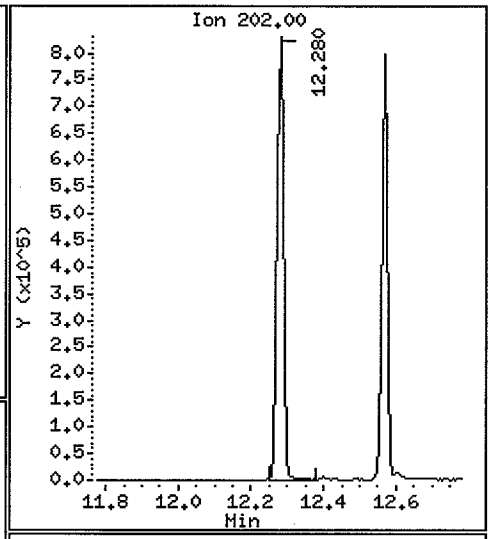
Concentration: 33320 ug/kg

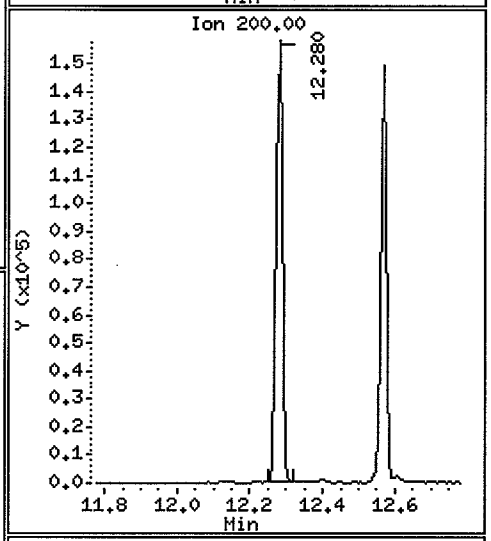


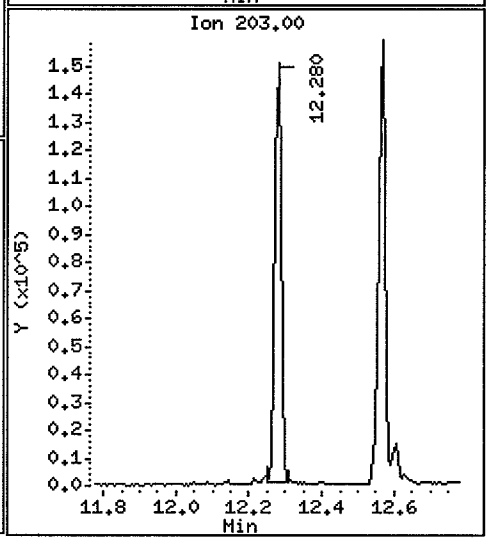












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

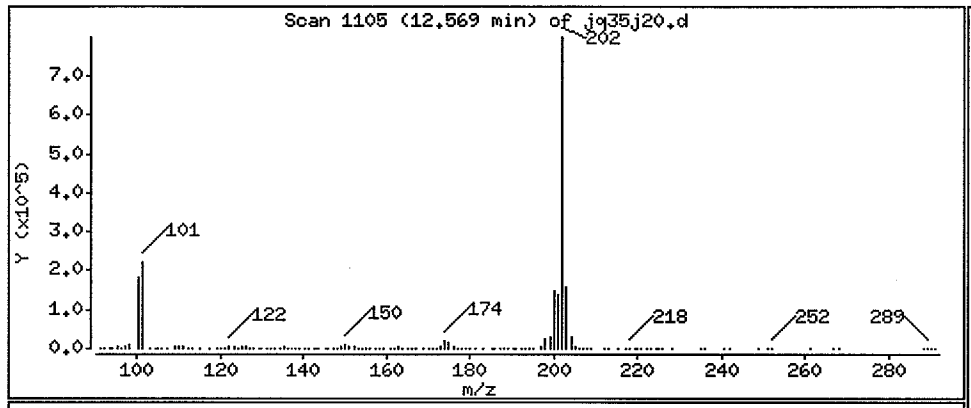
Operator: VTS

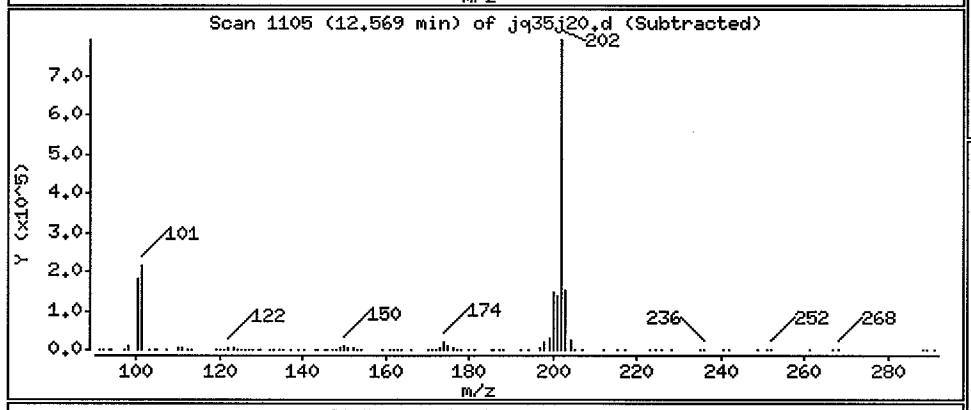
Column phase: ZB-5

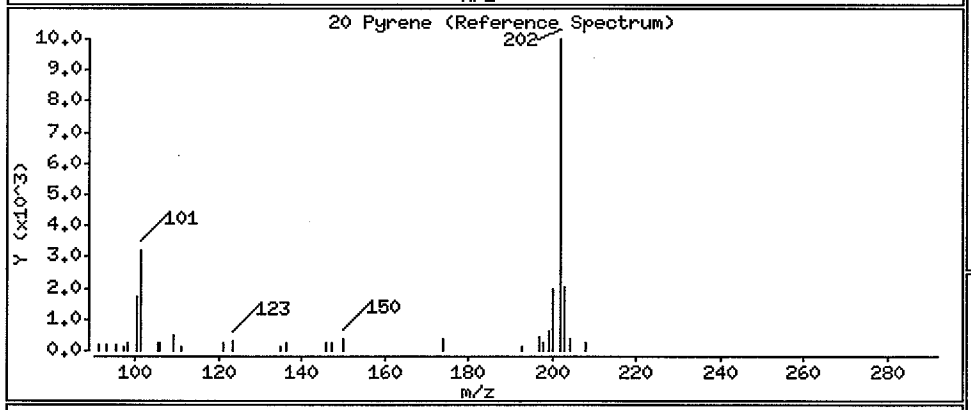
Column diameter: 0.25

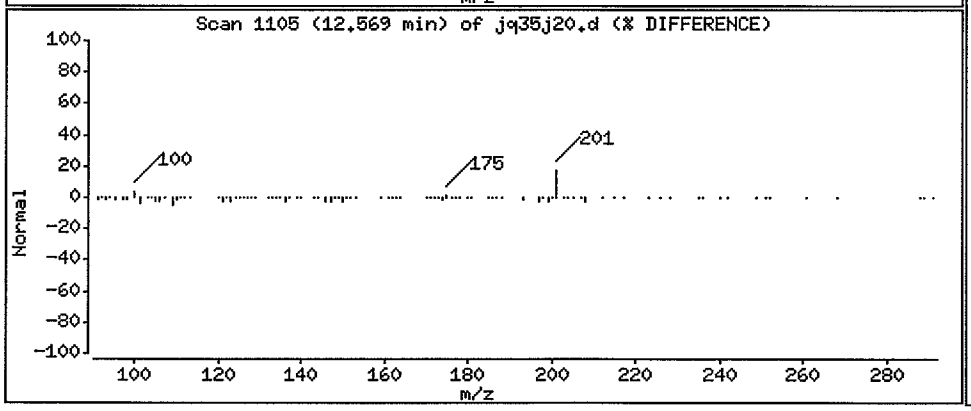
20 Pyrene

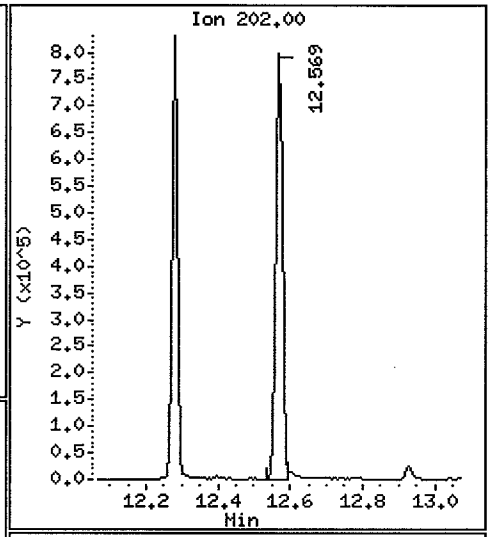
Concentration: 30450 ug/kg

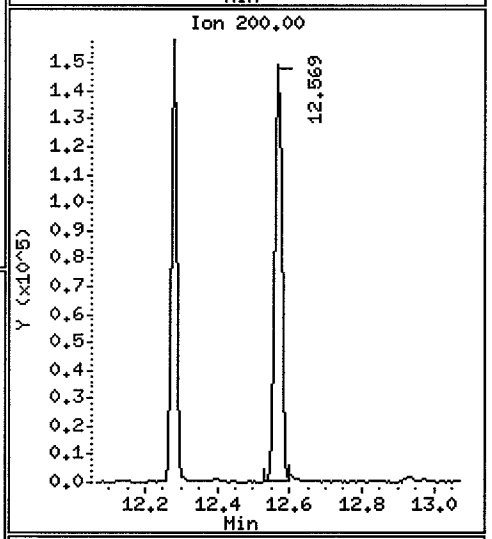


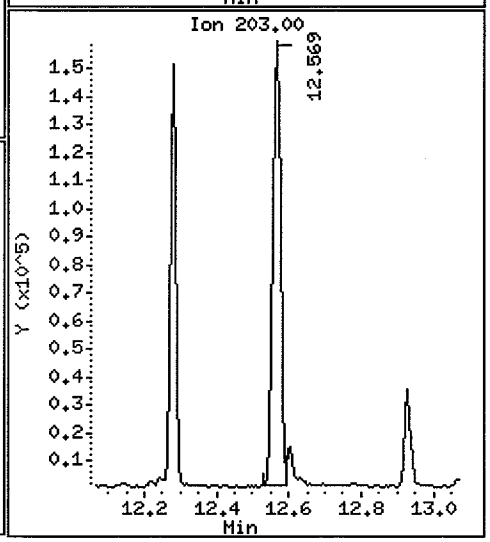












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

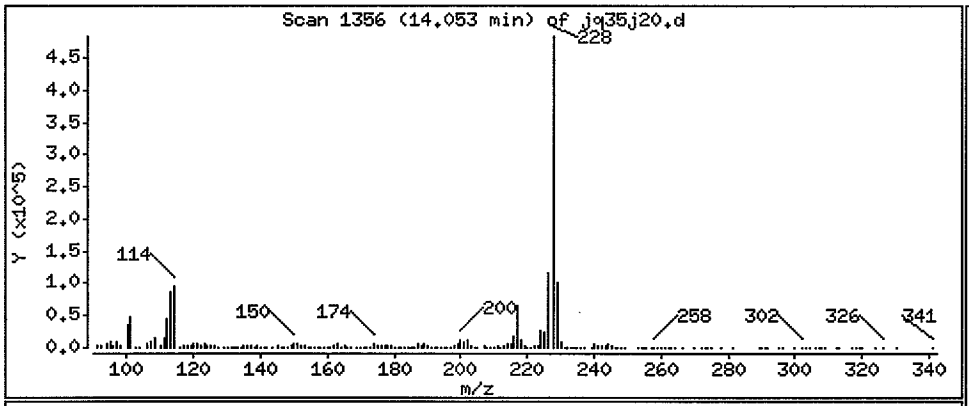
Operator: VTS

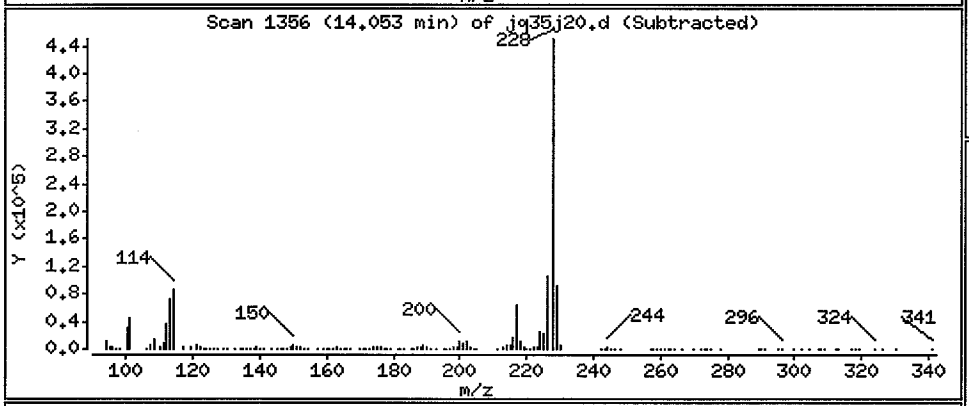
Column phase: ZB-5

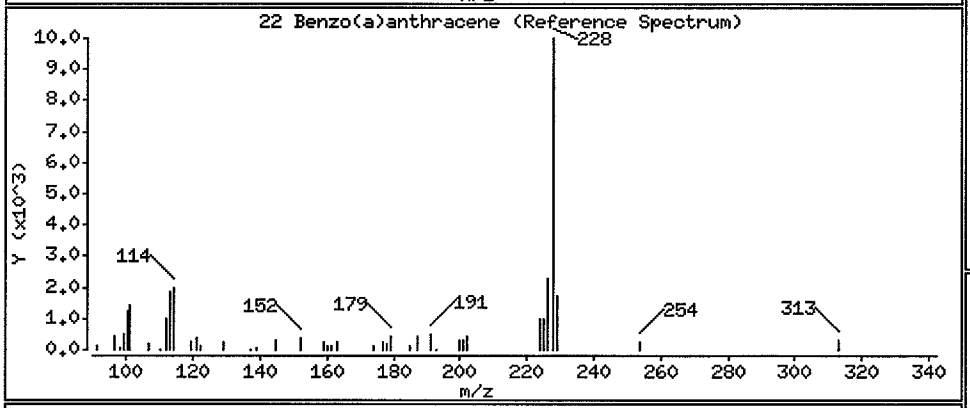
Column diameter: 0.25

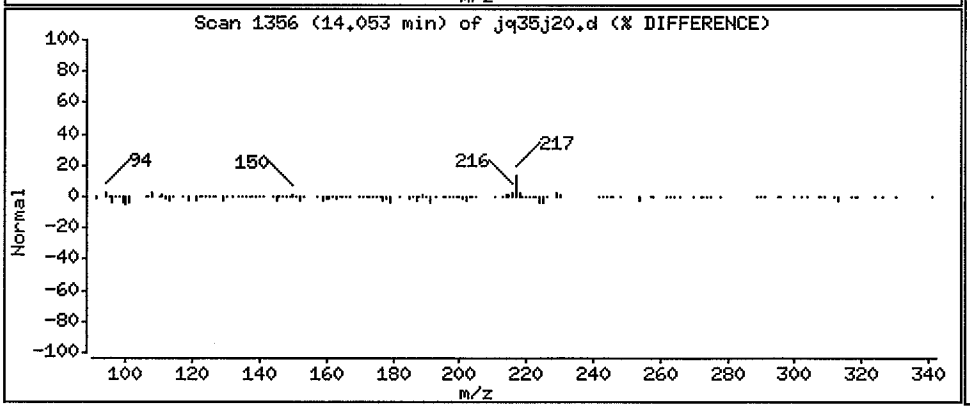
22 Benzo(a)anthracene

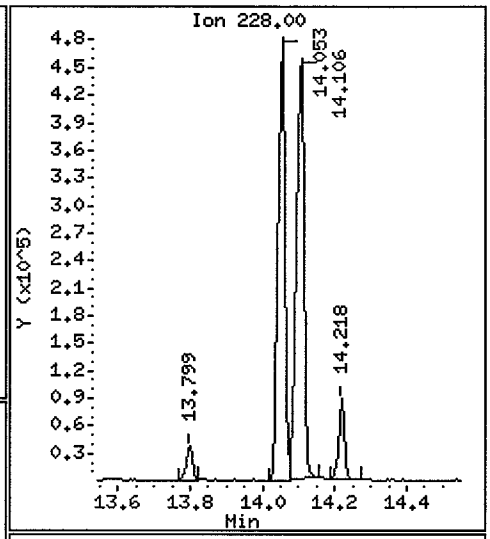
Concentration: 21270 ug/kg

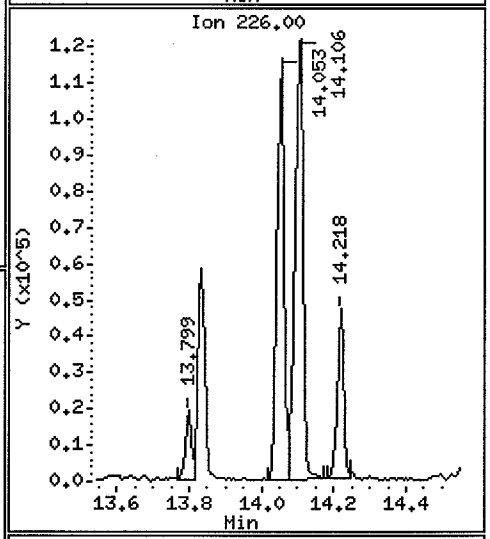


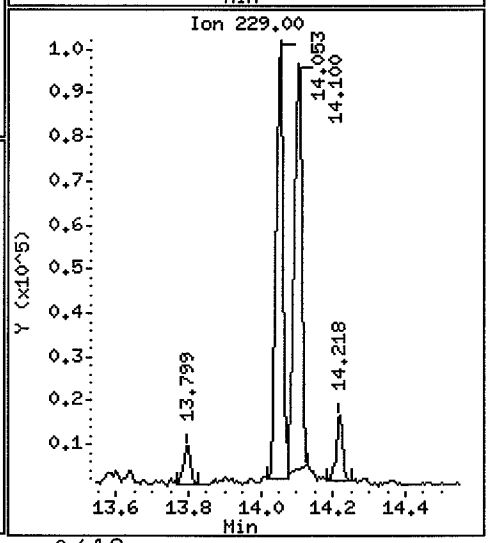












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

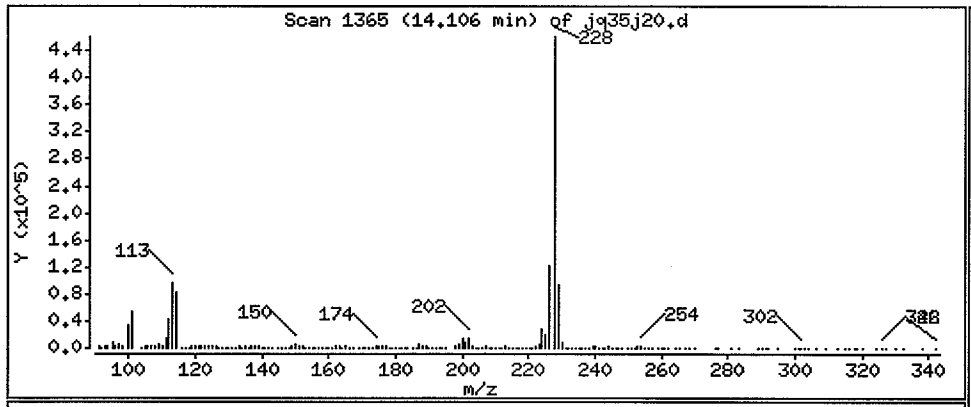
Operator: VTS

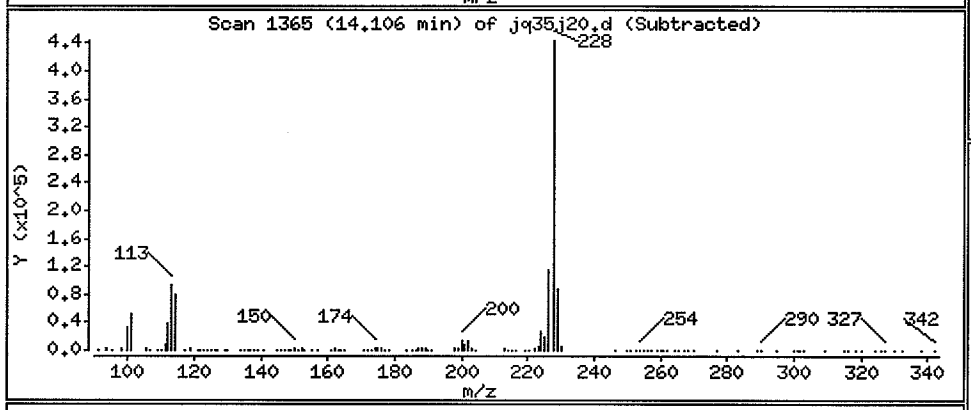
Column phase: ZB-5

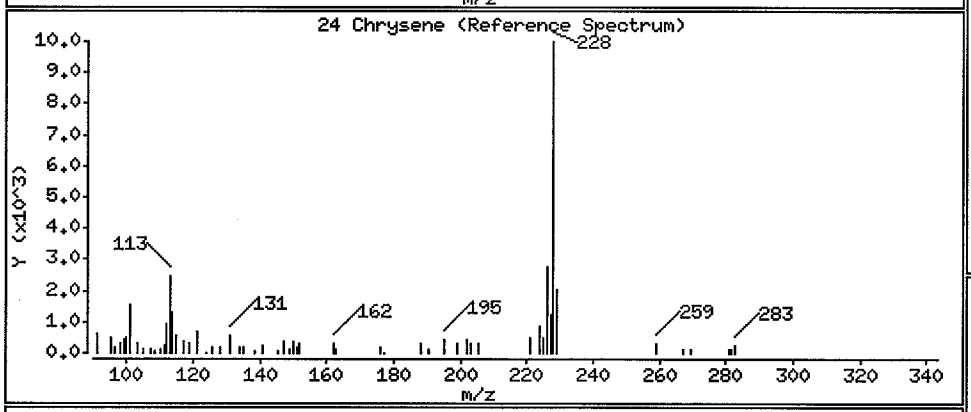
Column diameter: 0.25

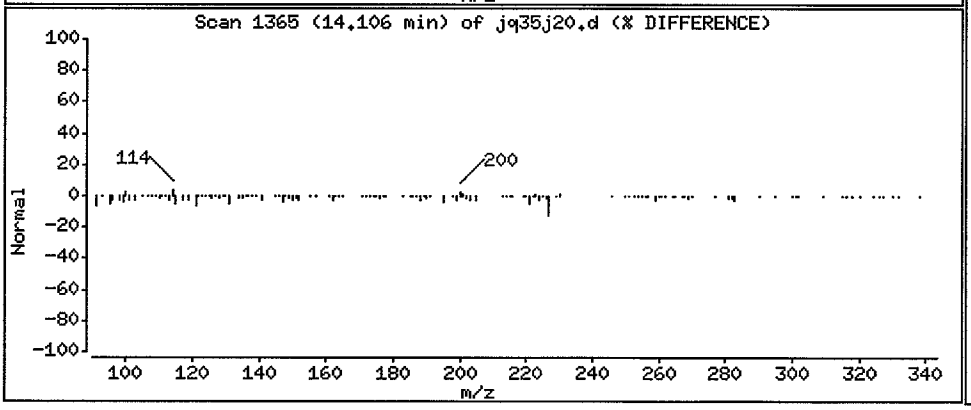
24 Chrysene

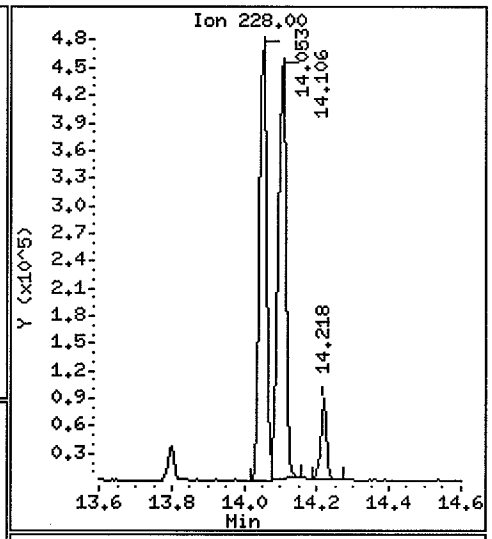
Concentration: 25100 ug/kg

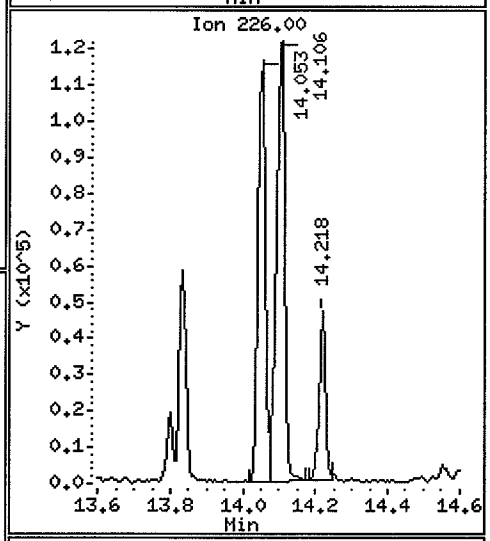


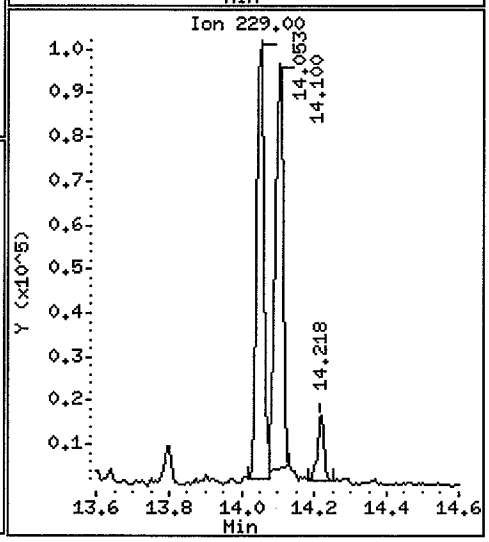












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

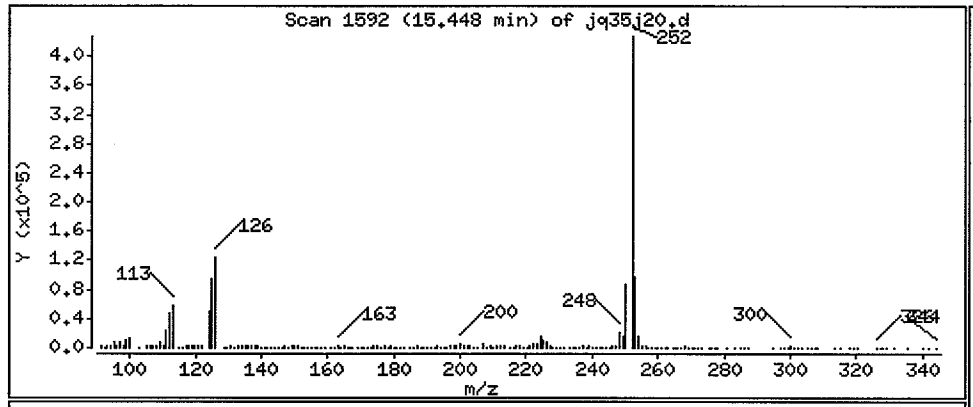
Operator: VTS

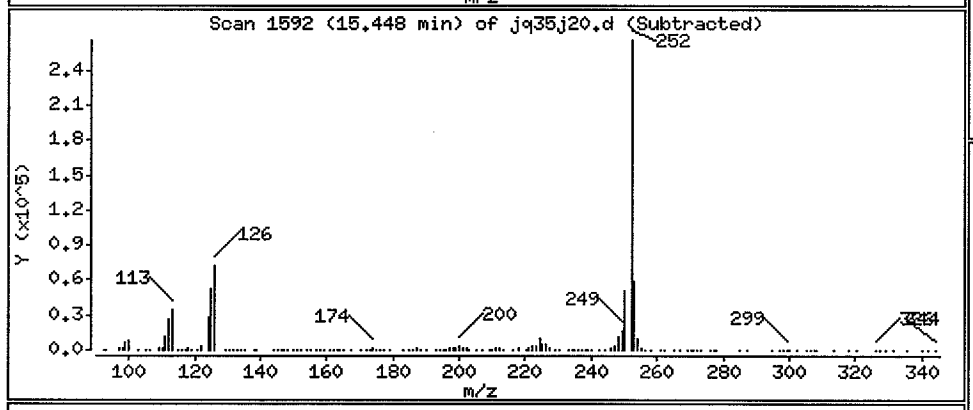
Column phase: ZB-5

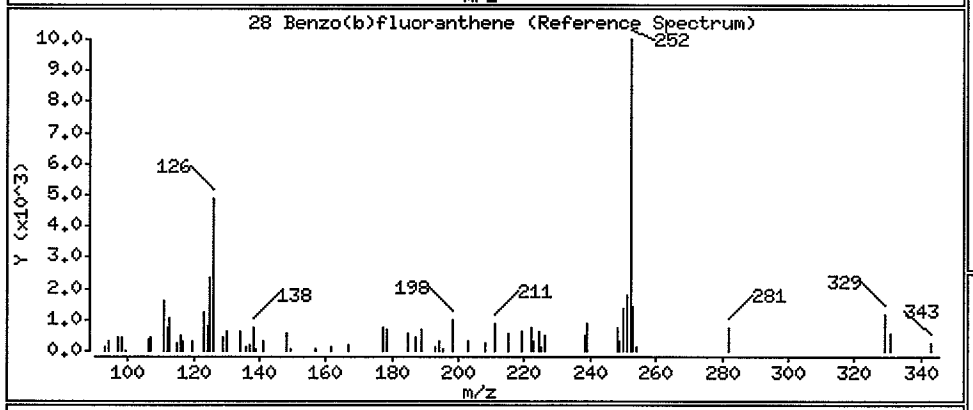
Column diameter: 0.25

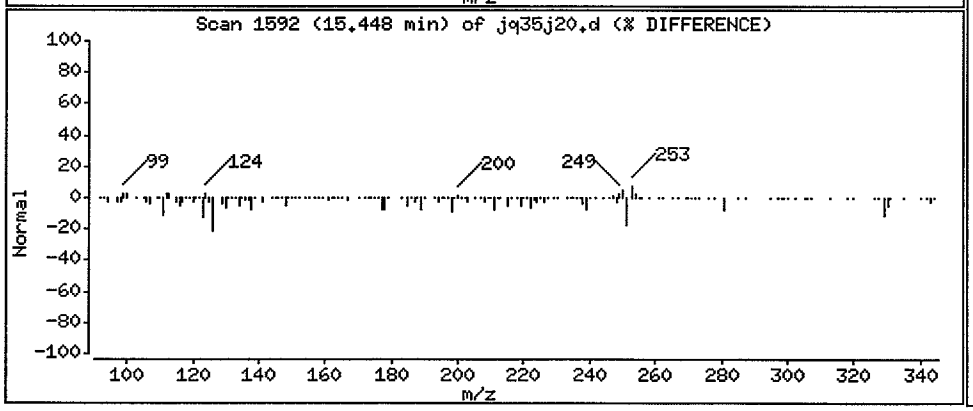
28 Benzo(b)fluoranthene

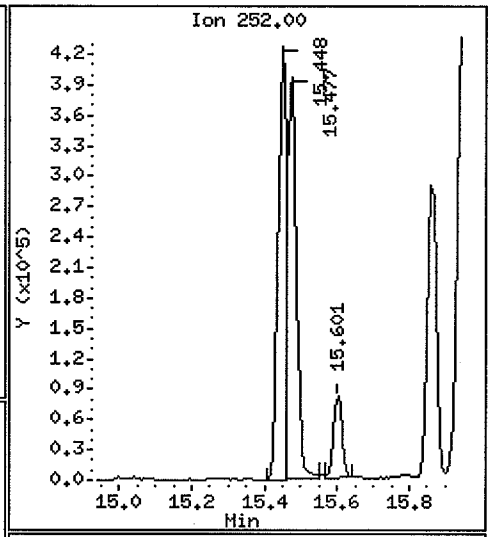
Concentration: 23990 ug/kg

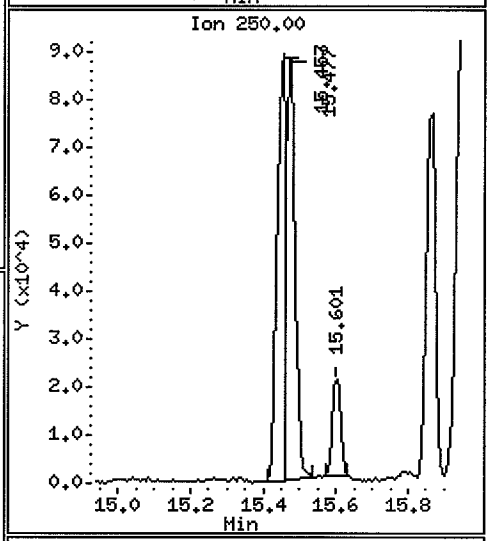


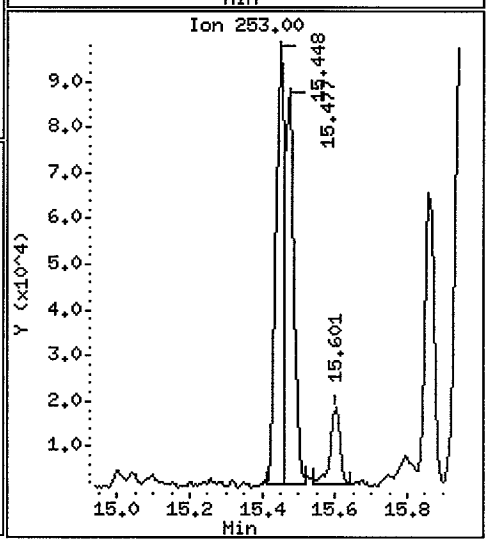












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

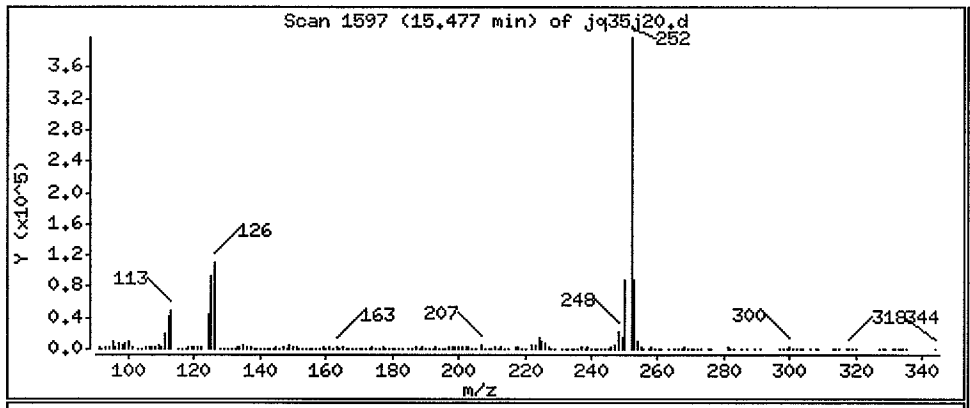
Operator: VTS

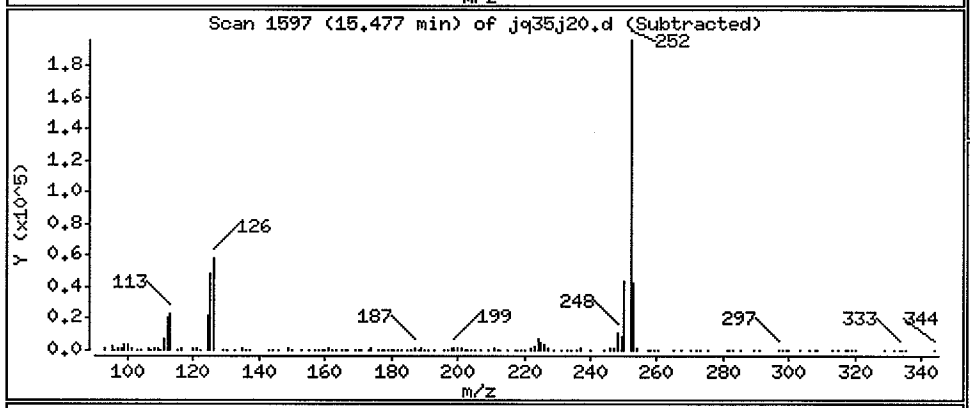
Column phase: ZB-5

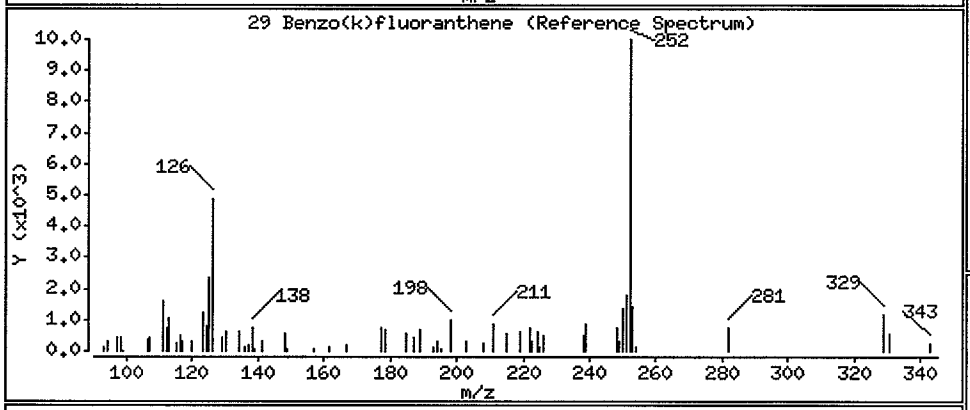
Column diameter: 0.25

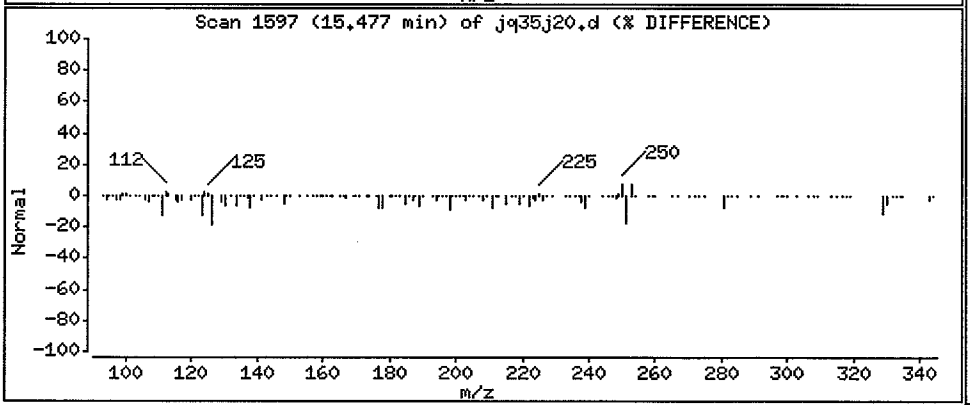
29 Benzo(k)fluoranthene

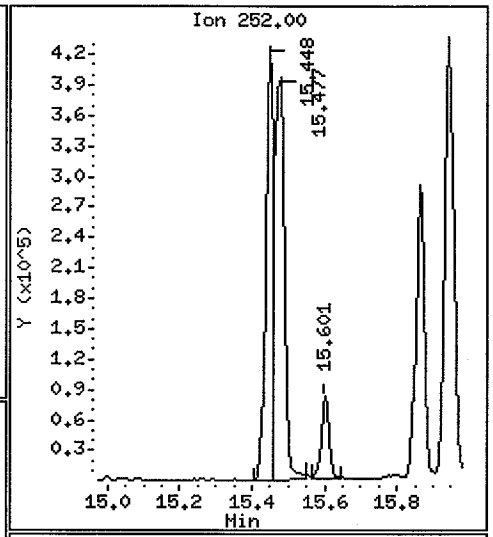
Concentration: 25770 ug/kg

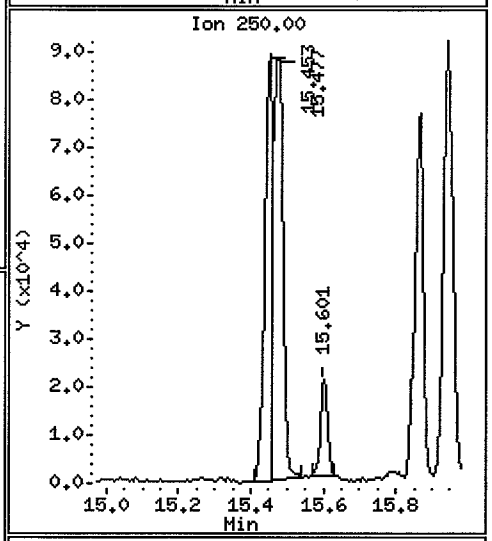


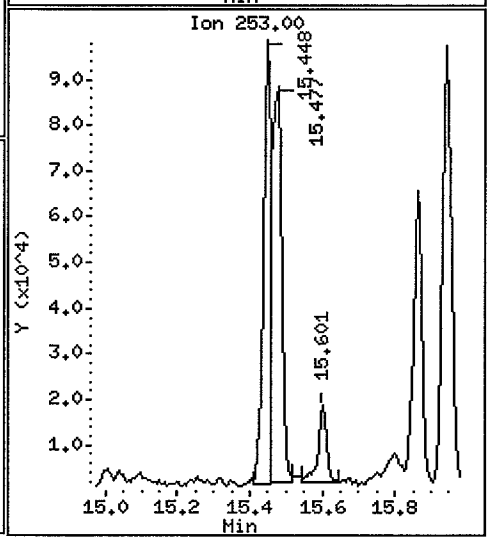












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

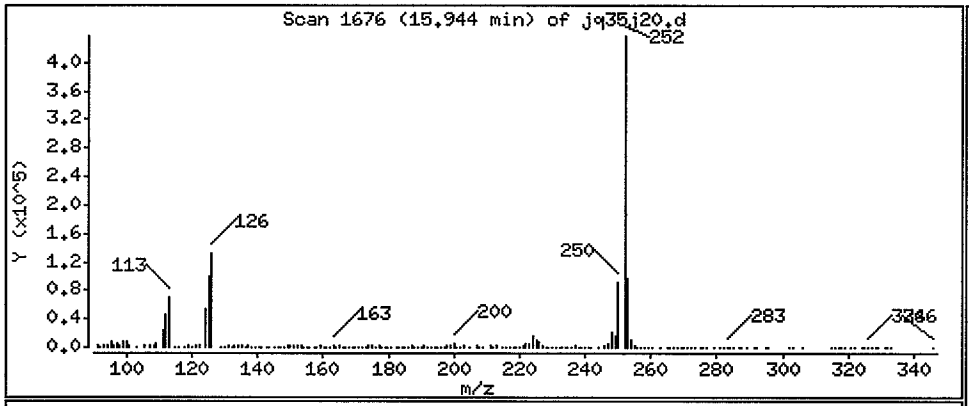
Operator: VTS

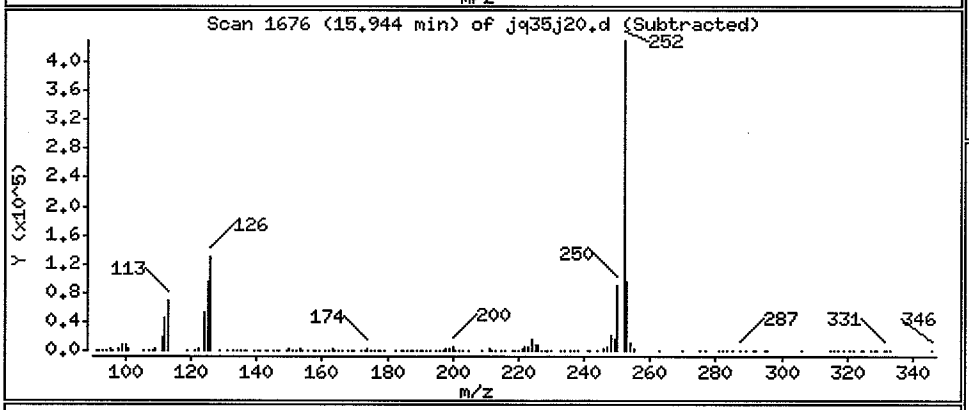
Column phase: ZB-5

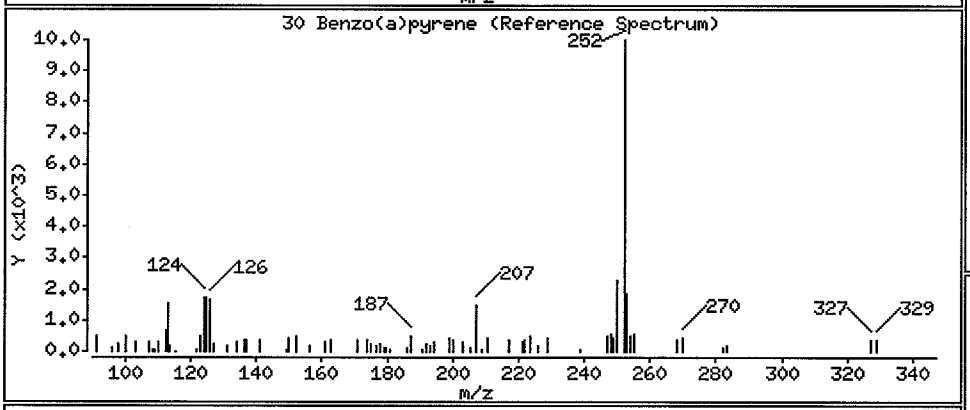
Column diameter: 0.25

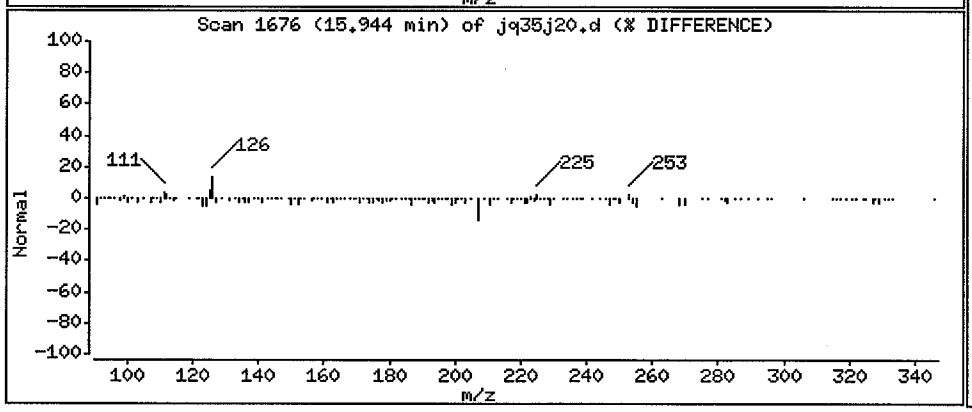
30 Benzo(a)pyrene

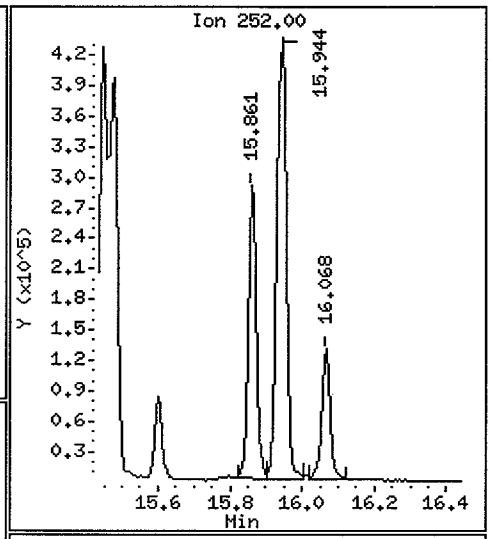
Concentration: 28260 ug/kg

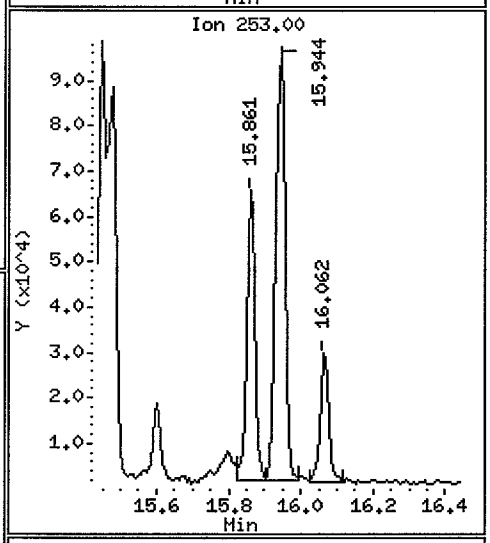


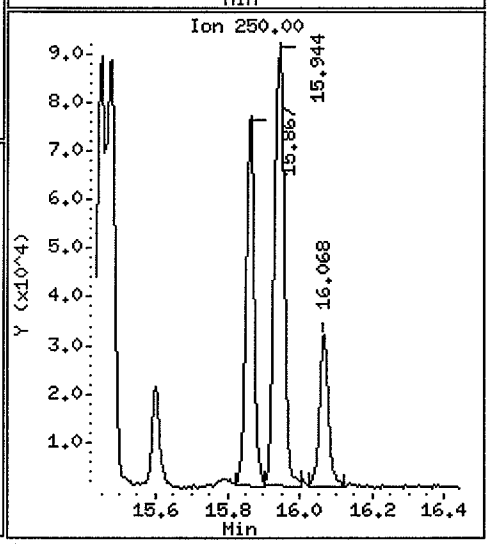












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

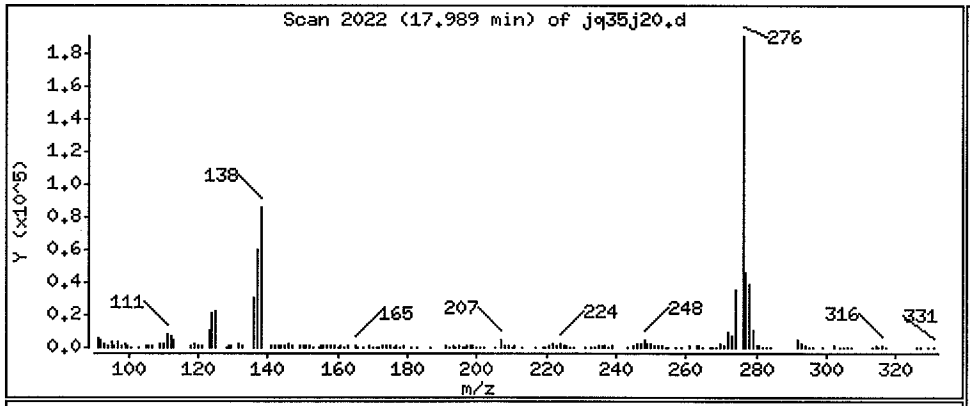
Operator: VTS

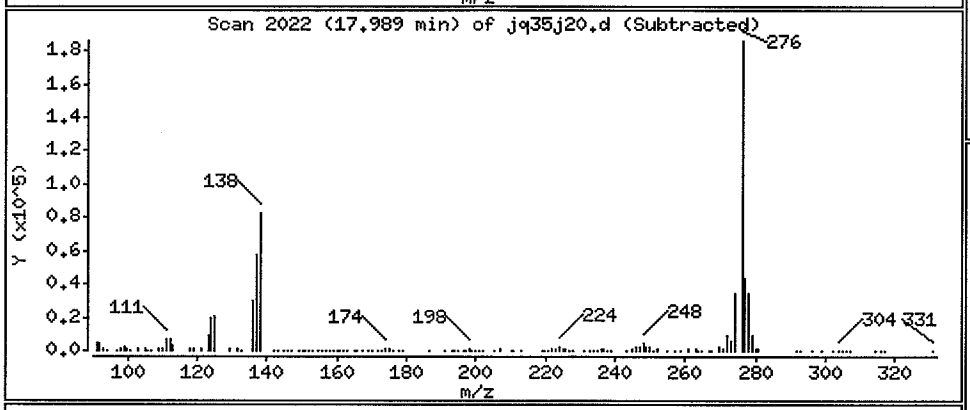
Column phase: ZB-5

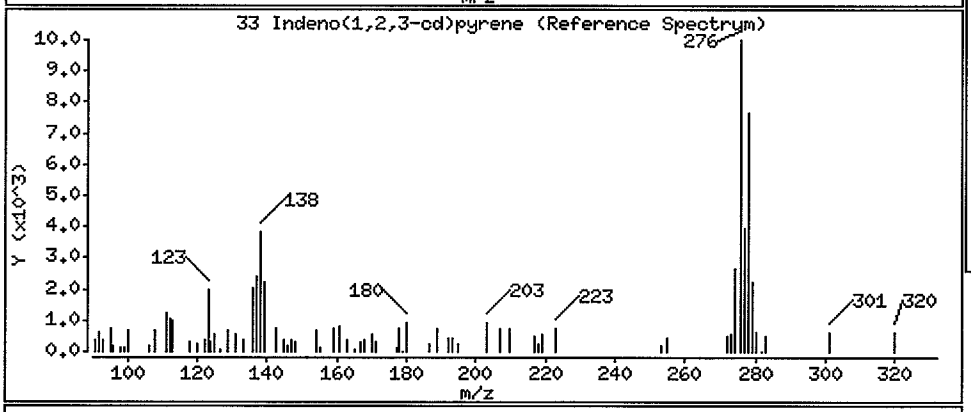
Column diameter: 0.25

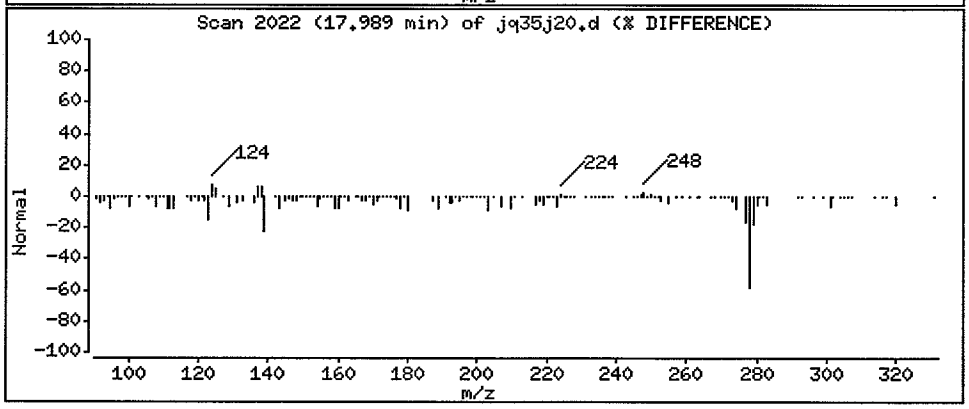
33 Indeno(1,2,3-cd)pyrene

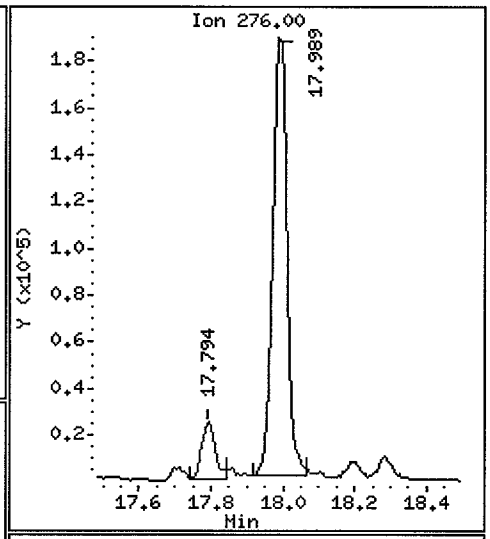
Concentration: 16960 ug/kg

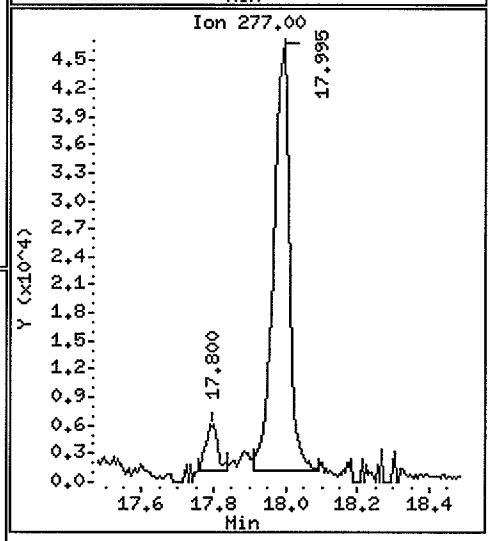












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

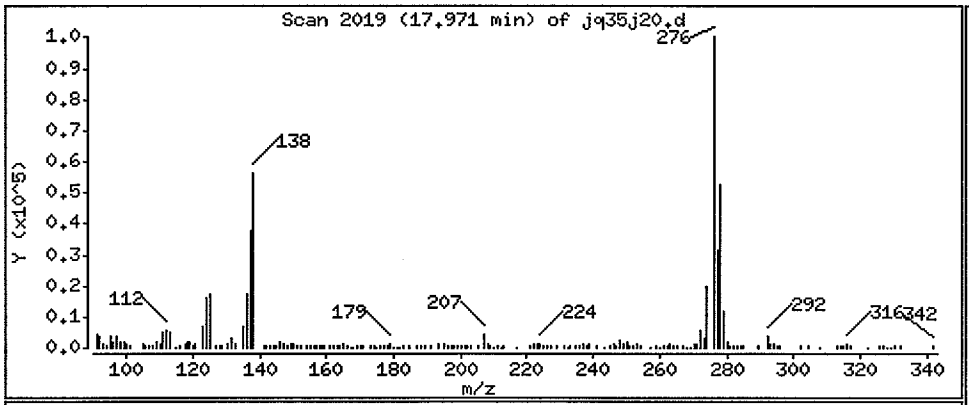
Operator: VTS

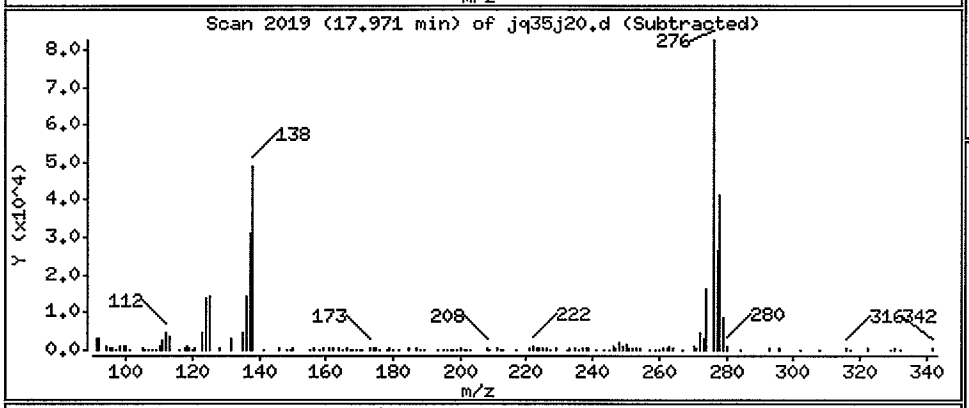
Column phase: ZB-5

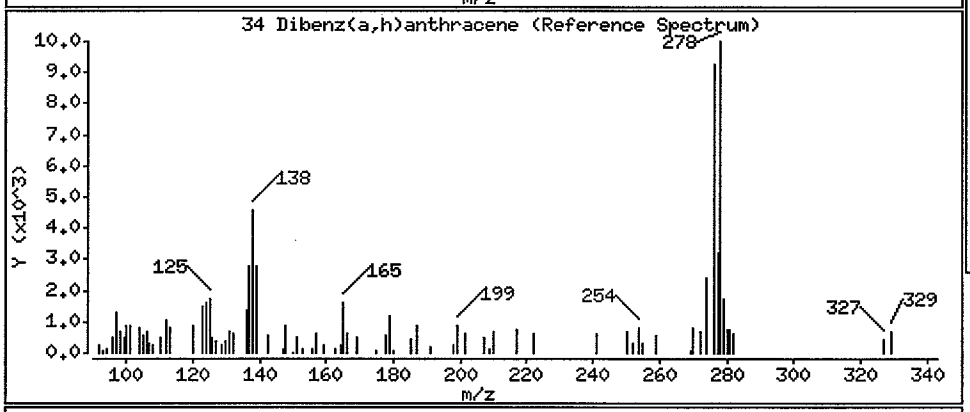
Column diameter: 0.25

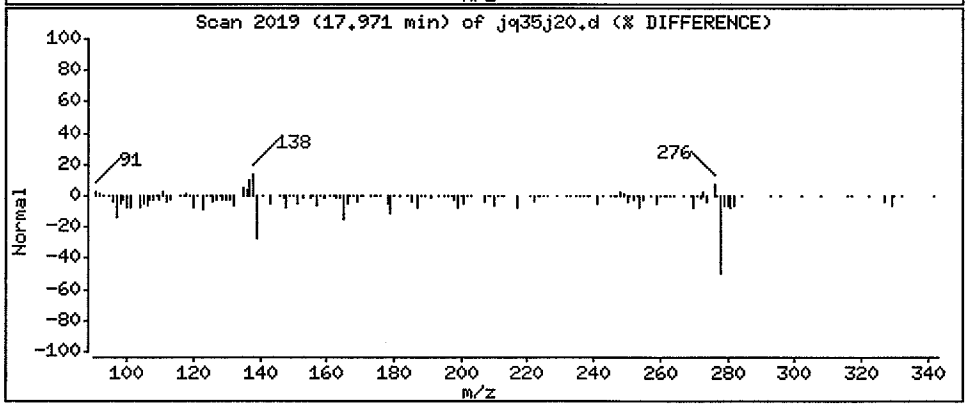
34 Dibenz(a,h)anthracene

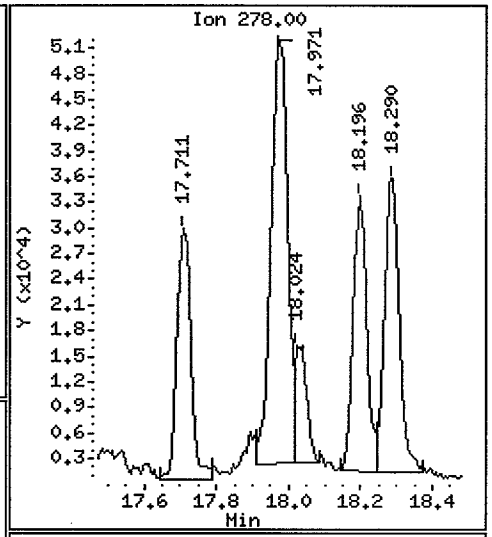
Concentration: 6504 ug/kg

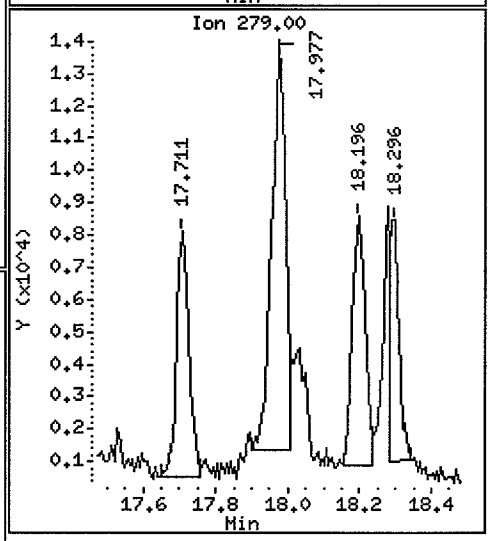












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

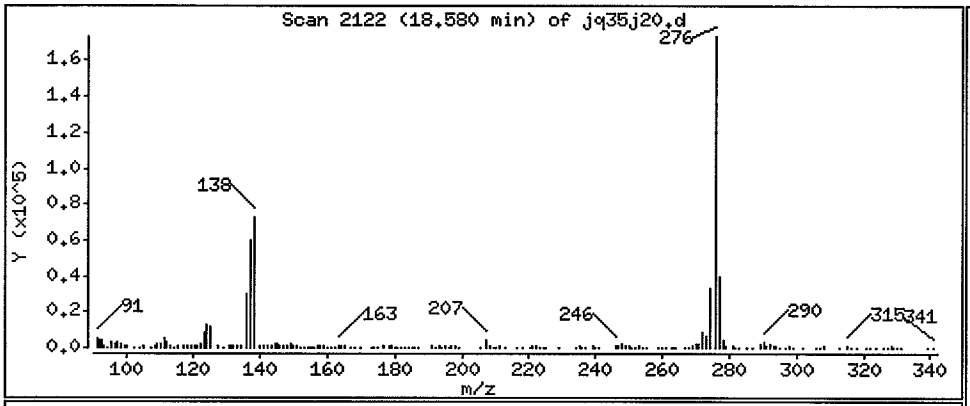
Operator: VTS

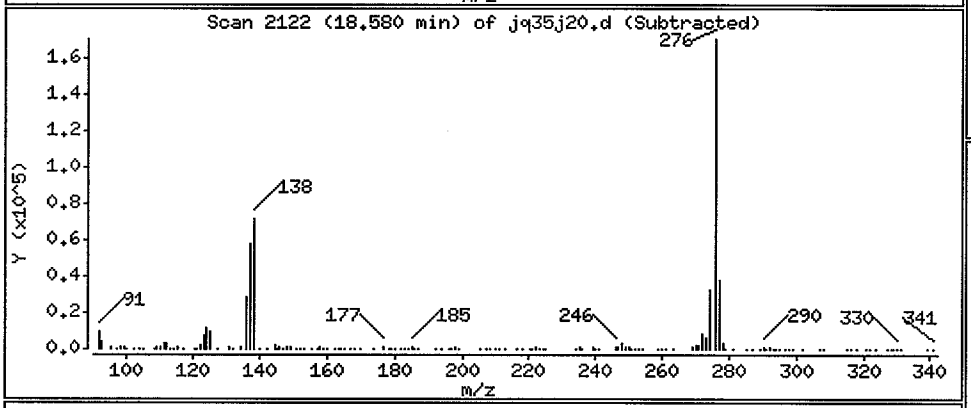
Column phase: ZB-5

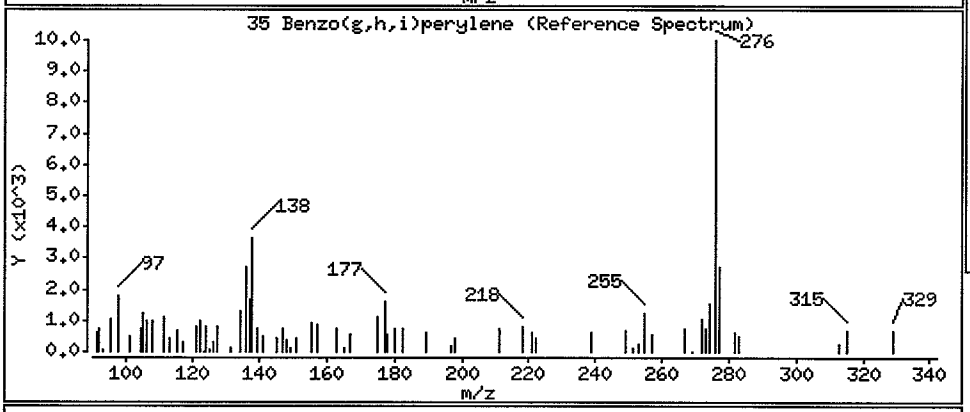
Column diameter: 0.25

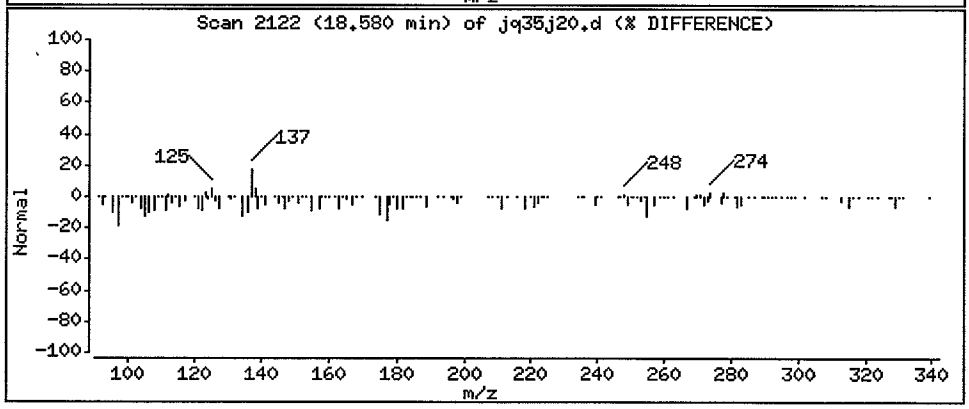
35 Benzo(g,h,i)perylene

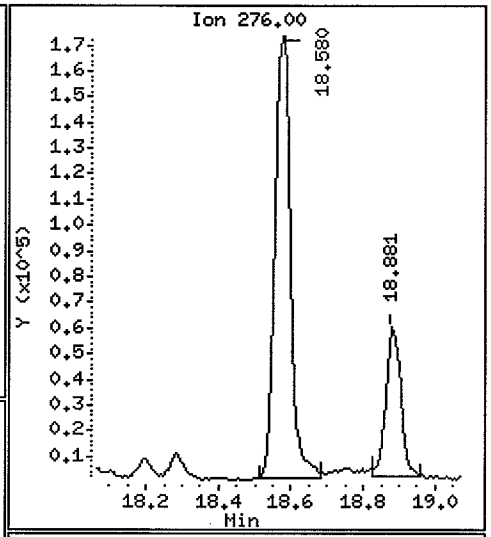
Concentration: 20410 ug/kg

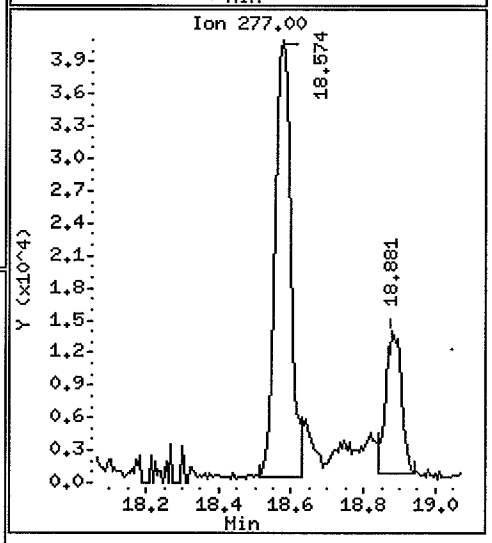












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

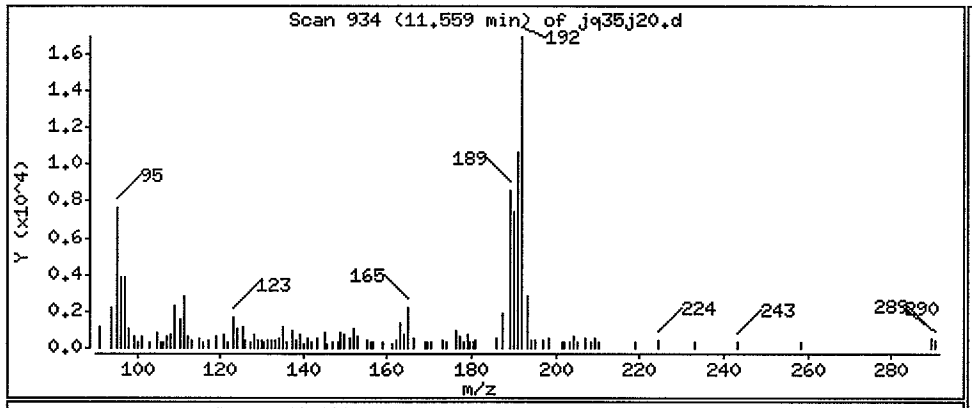
Operator: VTS

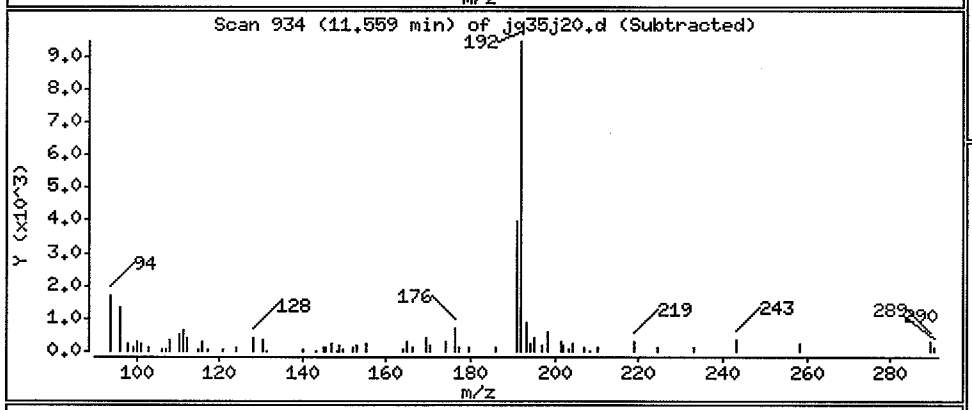
Column phase: ZB-5

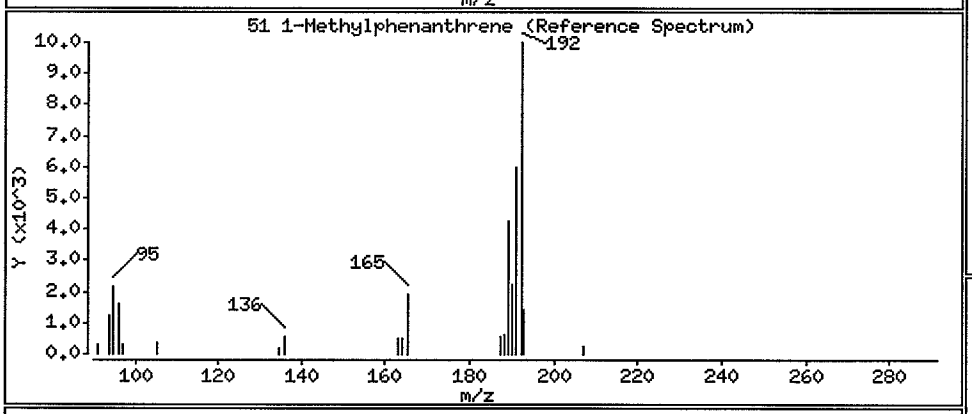
Column diameter: 0.25

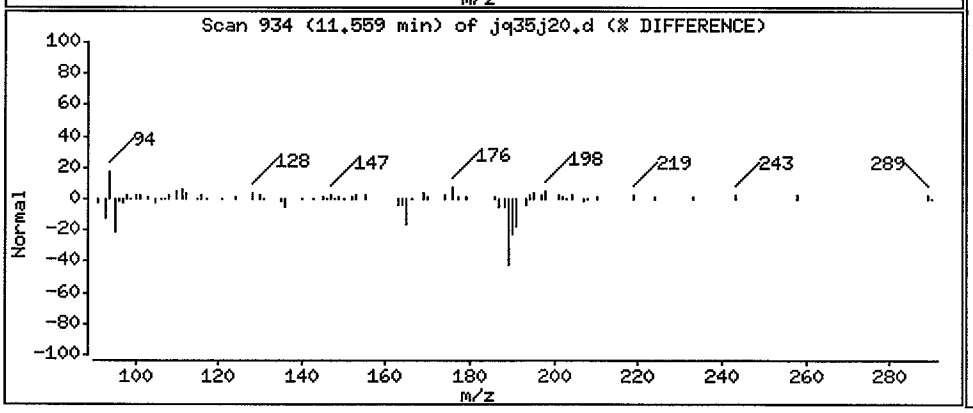
51 1-Methylphenanthrene

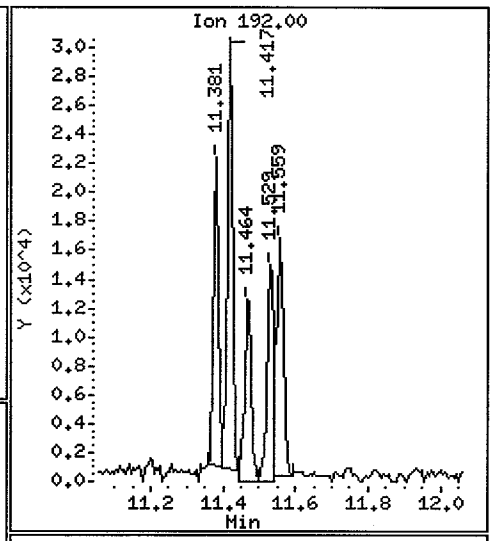
Concentration: 1176 ug/kg

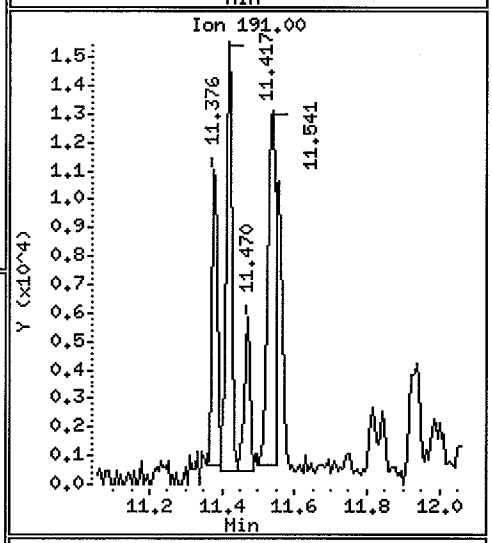


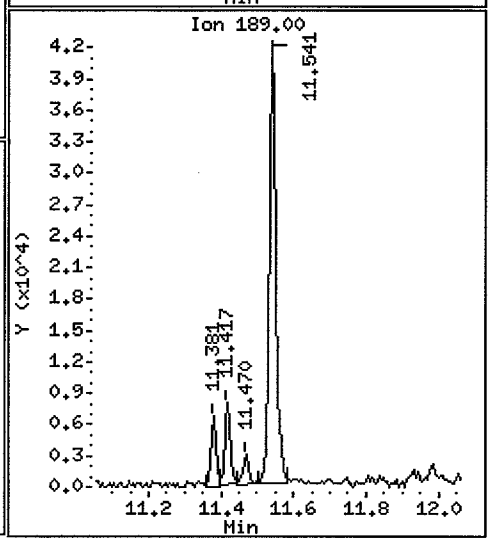












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

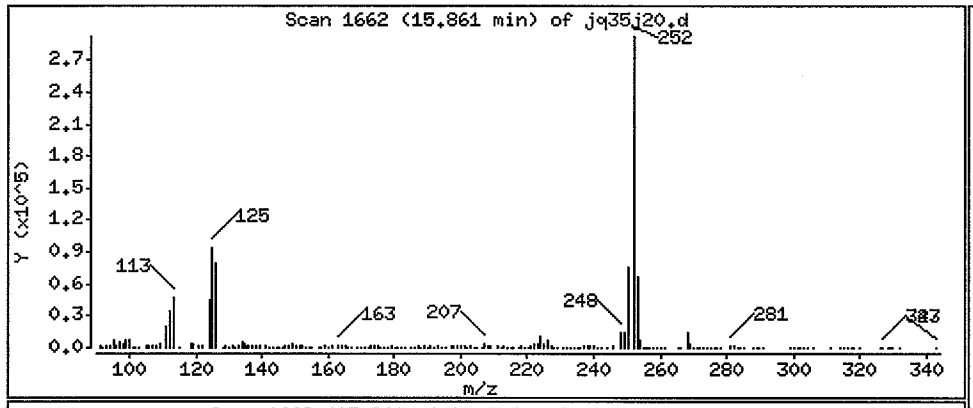
Operator: VTS

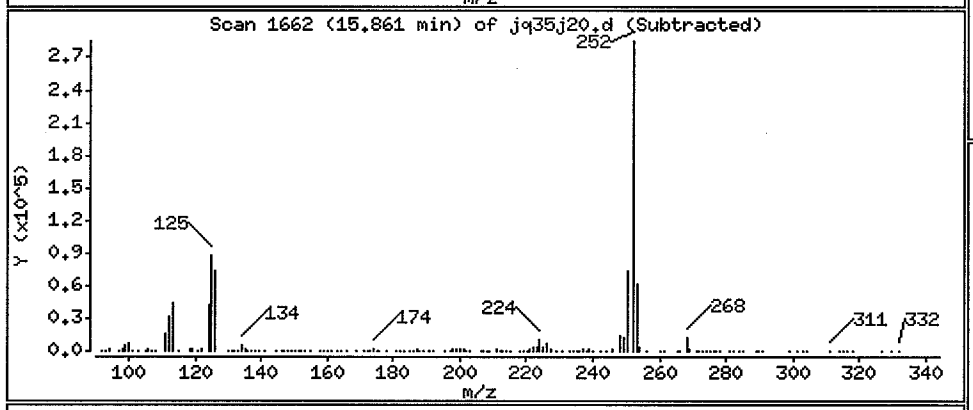
Column phase: ZB-5

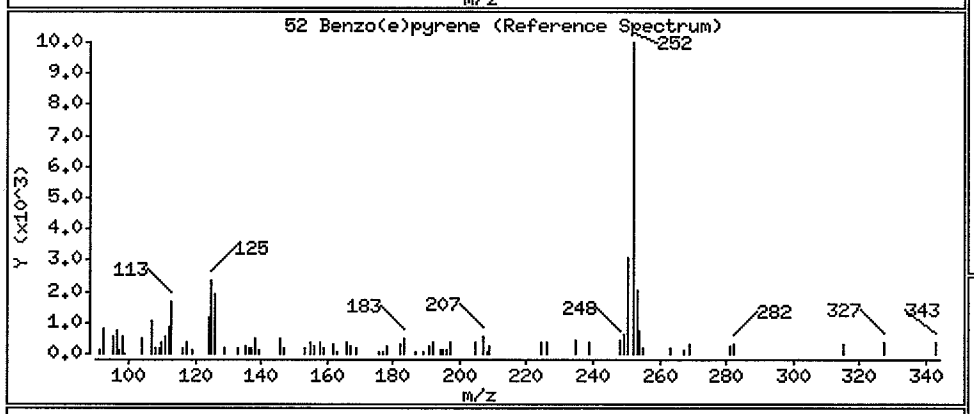
Column diameter: 0.25

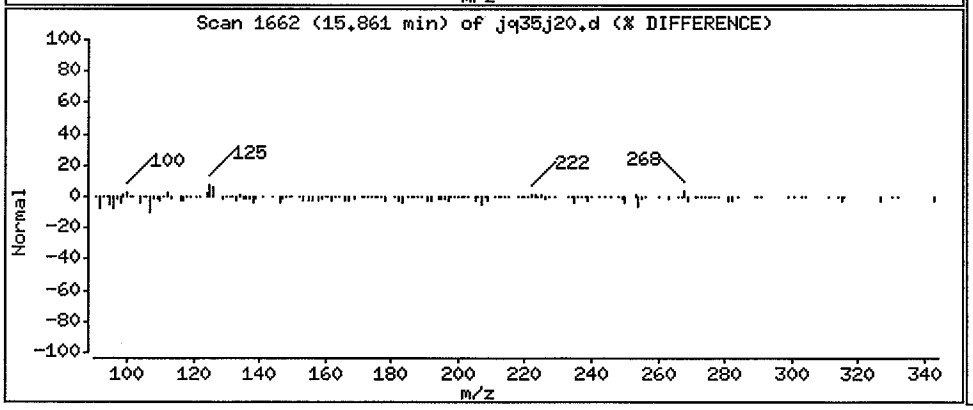
52 Benzo(e)pyrene

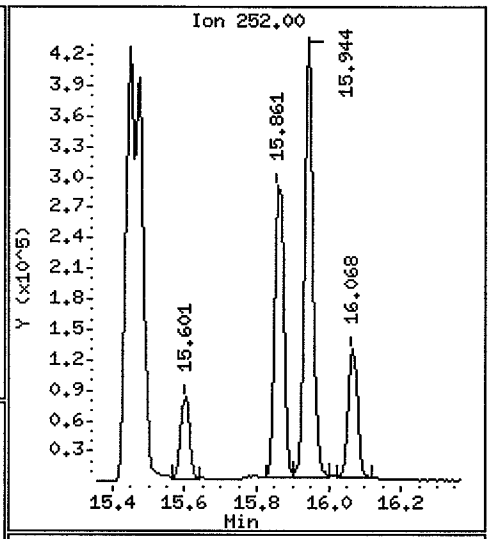
Concentration: 16560 ug/kg

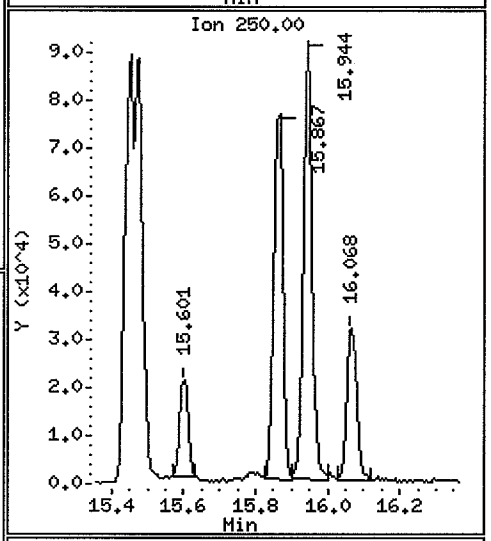


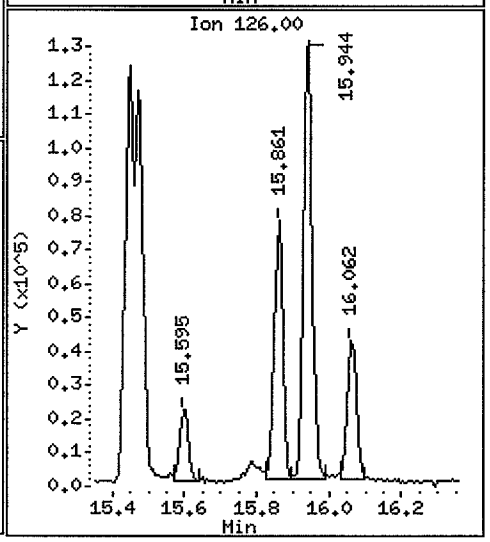












Data File: /chem3/nt1.i/20060808.b/jq35j20.d

Date : 08-AUG-2006 11:07

Client ID: T4-S3-05-G

Instrument: nt1.i

Sample Info: JQ35J,20

Volume Injected (uL): 1.0

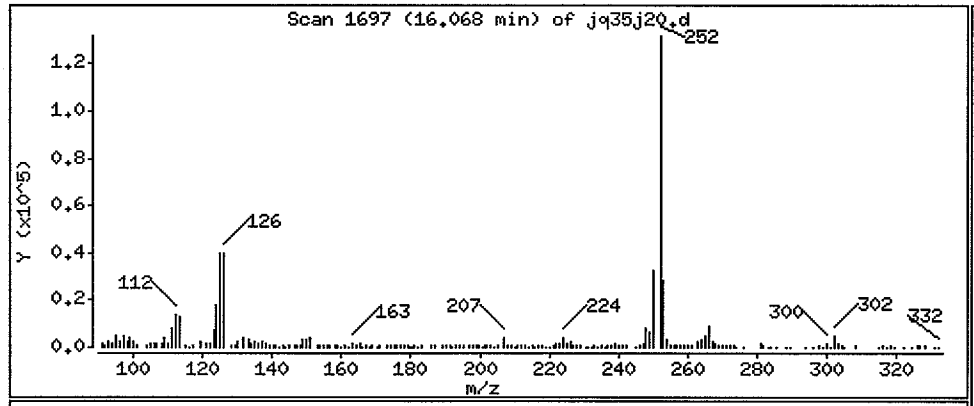
Operator: VTS

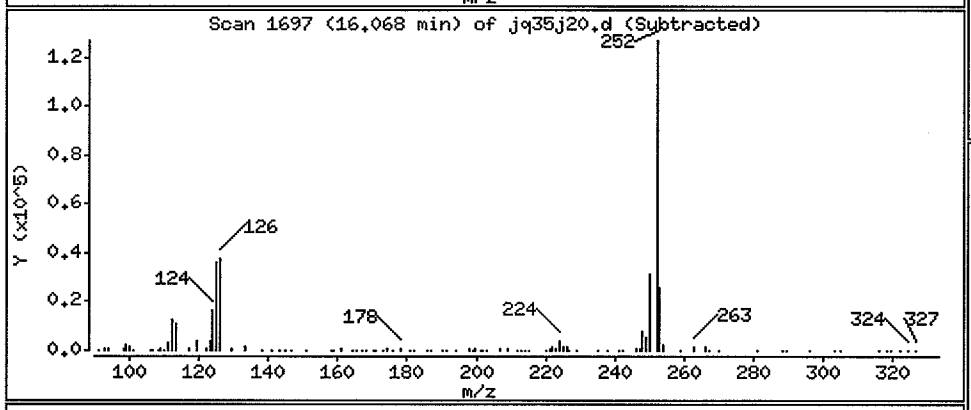
Column phase: ZB-5

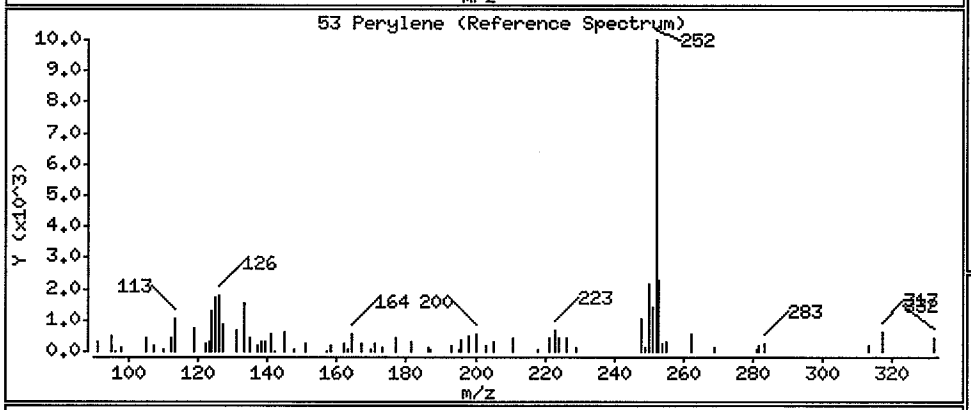
Column diameter: 0.25

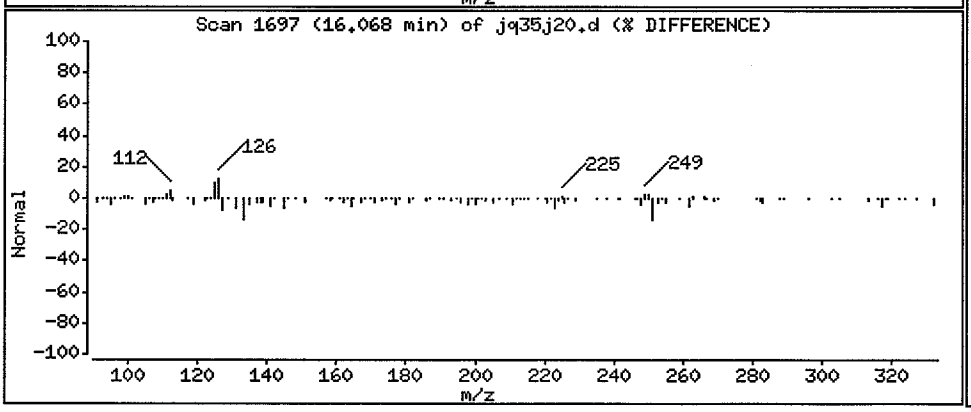
53 Perylene

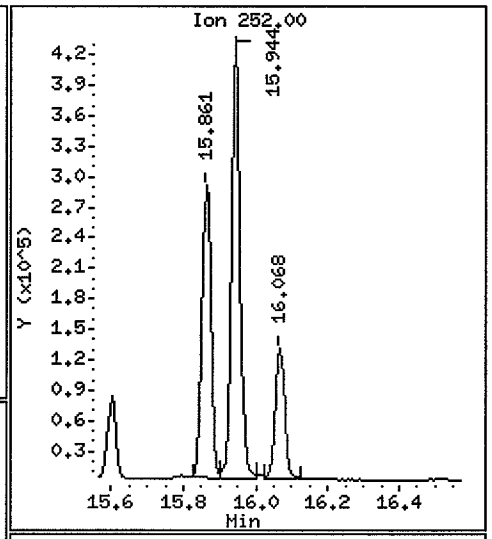
Concentration: 8108 ug/kg

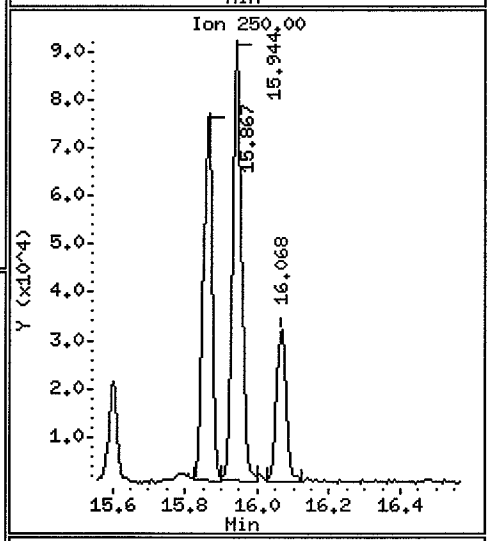


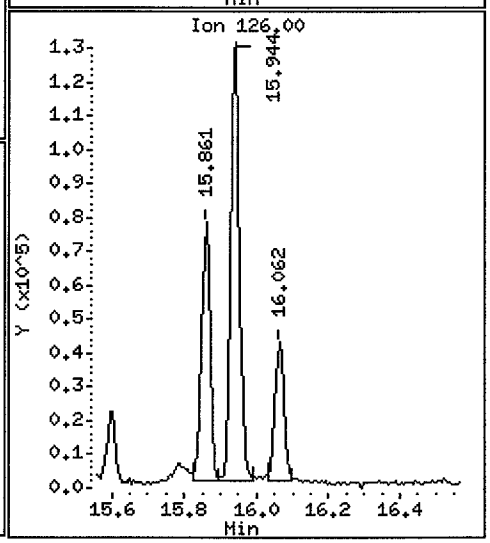






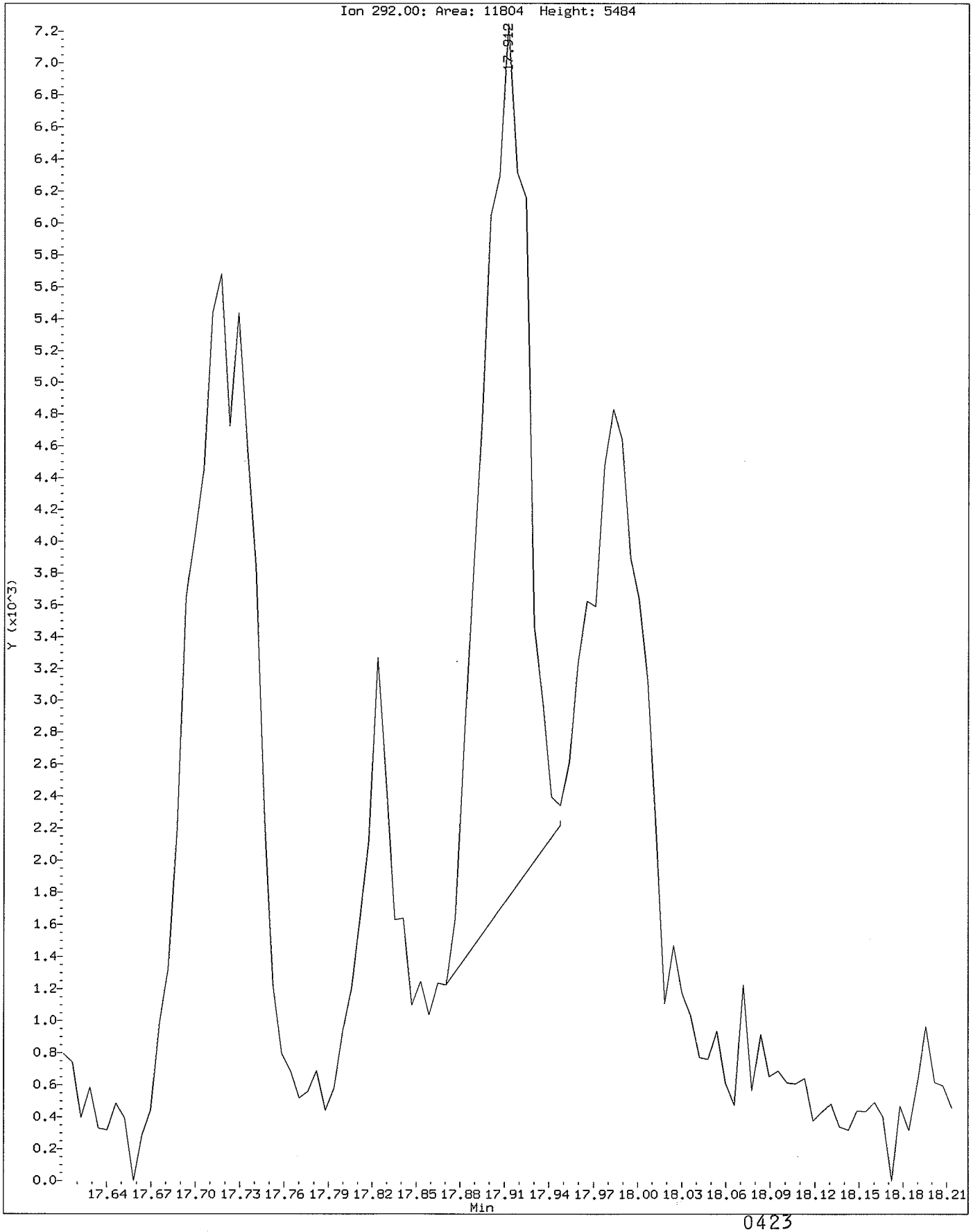






Data File: /chem3/nt1.i/20060808.b/jq35j20.d
Injection Date: 08-AUG-2006 11:07
Instrument: nt1.i
Client Sample ID: T4-S3-05-G

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



ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-05-H
SAMPLE

Lab Sample ID: JQ35K
LIMS ID: 06-12966
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 18:42
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 2.59 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 42.5%
pH: 6.8

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**190**	**310**
91-57-6	2-Methylnaphthalene	190	< 190 U
90-12-0	1-Methylnaphthalene	190	< 190 U
208-96-8	Acenaphthylene	190	< 190 U
83-32-9	**Acenaphthene**	**190**	**1,700**
86-73-7	**Fluorene**	**190**	**730**
85-01-8	**Phenanthrene**	**190**	**6,500**
120-12-7	**Anthracene**	**190**	**1,500**
206-44-0	**Fluoranthene**	**190**	**15,000**
129-00-0	**Pyrene**	**190**	**14,000**
56-55-3	**Benzo(a)anthracene**	**190**	**9,500**
218-01-9	**Chrysene**	**190**	**11,000**
205-99-2	**Benzo(b)fluoranthene**	**190**	**11,000**
207-08-9	**Benzo(k)fluoranthene**	**190**	**12,000**
50-32-8	**Benzo(a)pyrene**	**190**	**13,000**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**190**	**6,400**
53-70-3	**Dibenz(a,h)anthracene**	**190**	**2,600**
191-24-2	**Benzo(g,h,i)perylene**	**190**	**6,700**
198-55-0	**Perylene**	**190**	**3,600**
92-52-4	Biphenyl	190	< 190 U
581-42-0	2,6-Dimethylnaphthalene	190	< 190 U
832-69-9	**1-Methylphenanthrene**	**190**	**420**
192-97-2	**Benzo(e)pyrene**	**190**	**7,500**
2245-38-7	2,3,5-Trimethylnaphthalene	190	< 190 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	65.3%
d14-Dibenzo(a,h)anthracen	72.7%

FORM I

YZ 8/9/10

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq35k10.d
Lab Smp Id: JQ35K Client Smp ID: T4-S3-05-H
Inj Date : 07-AUG-2006 18:42
Operator : VTS Inst ID: nt1.i
Smp Info : JQ35K,10
Misc Info : 06-12966
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: 19
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	4.50000	Weight of sample extracted (g)
M	42.50000	% 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)	281122	2.00000	
2 Naphthalene	128	6.914	6.915	(1.003)	22929	0.16352	316.0
$ 3 2-Methylnaphthalene-d10	152	7.647	7.648	(1.110)	14200	0.19611	379.0
4 2-Methylnaphthalene	142	7.682	7.683	(1.115)	6675	0.08038	155.3
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.953	8.954	(1.000)	153358	2.00000	
9 Acenaphthene	153	8.989	8.989	(1.004)	67245	0.89301	1726
10 Dibenzofuran	168	9.184	9.178	(1.026)	16388	0.14775	285.5
11 Fluorene	166	9.603	9.604	(1.073)	32485	0.37621	727.0
* 15 Phenanthrene-d10	188	10.767	10.762	(1.000)	241831	2.00000	
16 Phenanthrene	178	10.797	10.792	(1.003)	421178	3.39309	6557
17 Anthracene	178	10.850	10.851	(1.008)	96524	0.77813	1504
19 Fluoranthene	202	12.292	12.287	(1.142)	986215	7.78955	15050
20 Pyrene	202	12.582	12.577	(0.893)	988570	7.20462	13920

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
22 Benzo(a)anthracene	228	14.059	14.054	(0.998)	630446	4.89941	9467
* 23 Chrysene-d12	240	14.083	14.078	(1.000)	213685	2.00000	
24 Chrysene	228	14.113	14.107	(1.002)	694030	5.84757	11300
28 Benzo(b)fluoranthene	252	15.460	15.455	(0.964)	712862	5.89571	11390
29 Benzo(k)fluoranthene	252	15.490	15.484	(0.966)	787961	6.11278	11810
30 Benzo(a)pyrene	252	15.957	15.951	(0.995)	787639	6.68527	12920
* 31 Perylene-d12	264	16.039	16.034	(1.000)	214240	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	18.007	18.002	(1.123)	446363	3.29445	6366
$ 32 Dibenz(a,h)anthrancene-d14	292	17.925	17.931	(1.118)	17859	0.21782	420.9
34 Dibenz(a,h)anthracene	278	17.996	17.996	(1.122)	150804	1.36246	2633
35 Benzo(g,h,i)perylene	276	18.598	18.581	(1.160)	388817	3.45227	6671
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	11.566	(0.821)	19564	0.22367	432.2
52 Benzo(e)pyrene	252	15.874	15.869	(0.990)	507889	3.89444	7525
53 Perylene	252	16.081	16.075	(1.003)	229464	1.87395	3621

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq35k10.d
Lab Smp Id: JQ35K
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12966

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-05-H
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	281122	21.68
8 Acenaphthene-d10	129131	64566	258262	153358	18.76
15 Phenanthrene-d10	212850	106425	425700	241831	13.62
23 Chrysene-d12	190817	95408	381634	213685	11.98
31 Perylene-d12	197592	98796	395184	214240	8.43

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.89	6.39	7.39	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	10.77	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

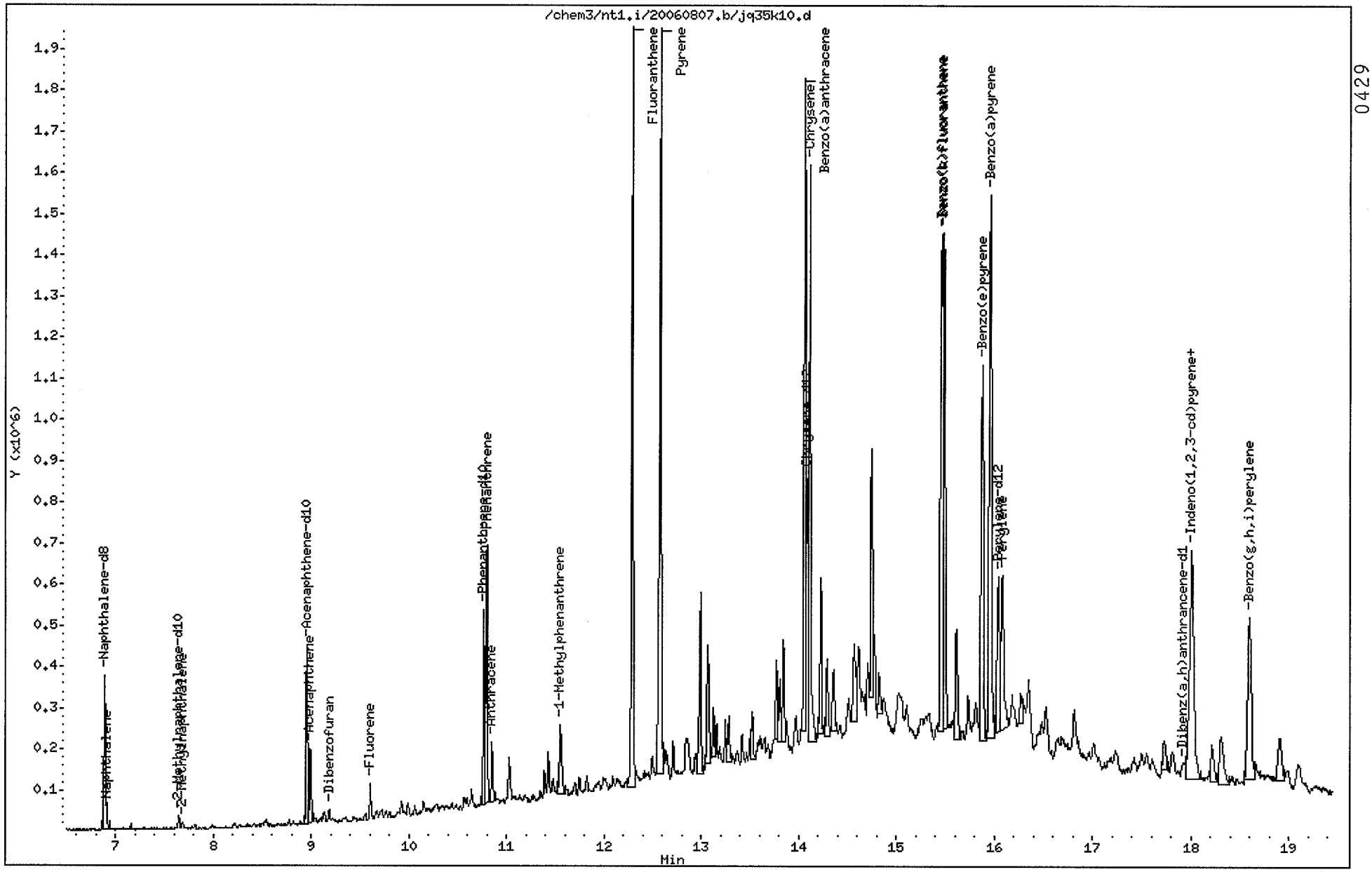
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35K
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12966

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-05-H
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	579.7	379.0	65.37	32-97
$ 32 Dibenz(a,h)anthran	579.7	420.9	72.61	21-105

Data File: /chem3/nt1.i/20060807.b/jq35k10.d
Date : 07-AUG-2006 18:42
Client ID: T4-S3-05-H
Sample Info: JQ35K,10
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0429

Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

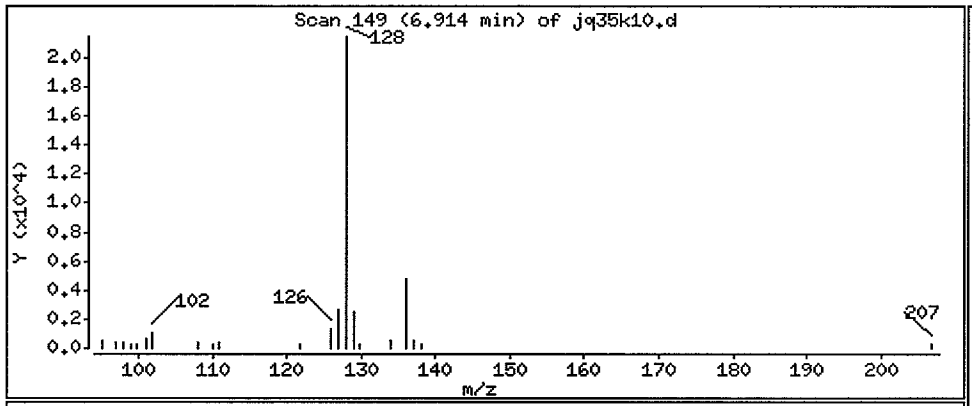
Operator: VTS

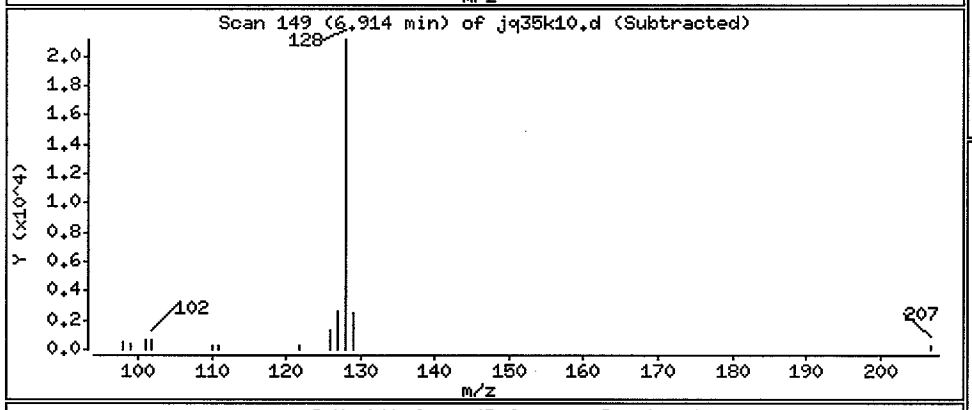
Column phase: ZB-5

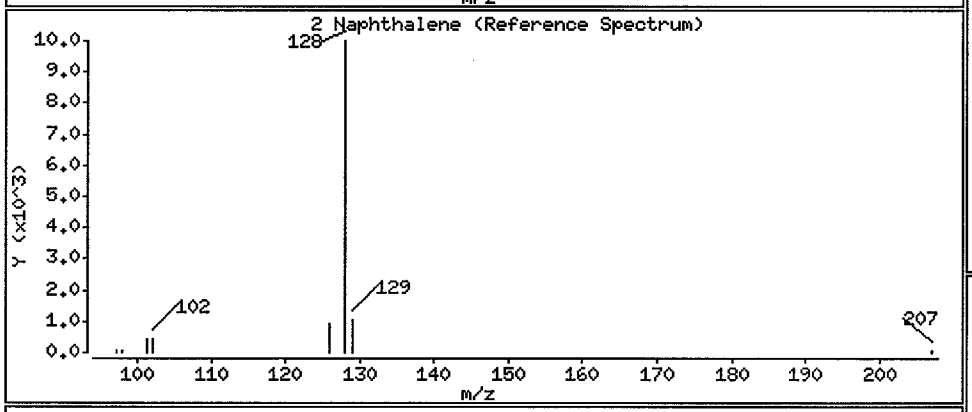
Column diameter: 0.25

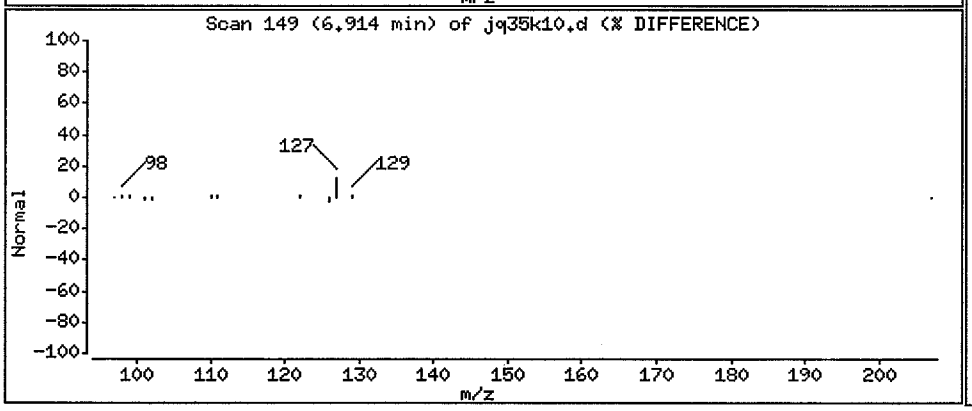
2 Naphthalene

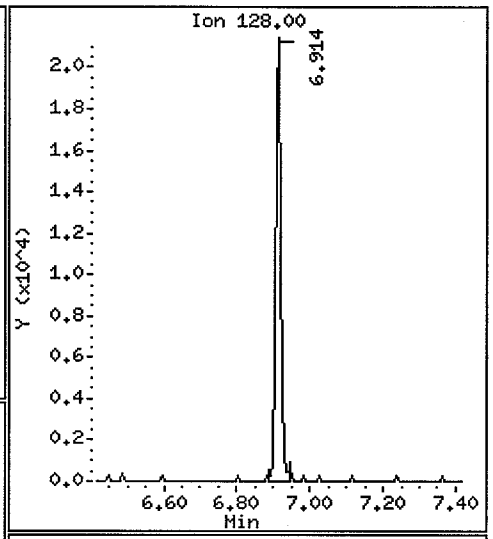
Concentration: 316.0 ug/kg

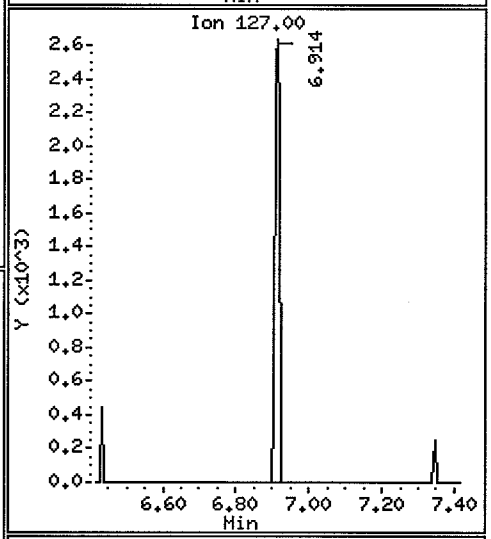


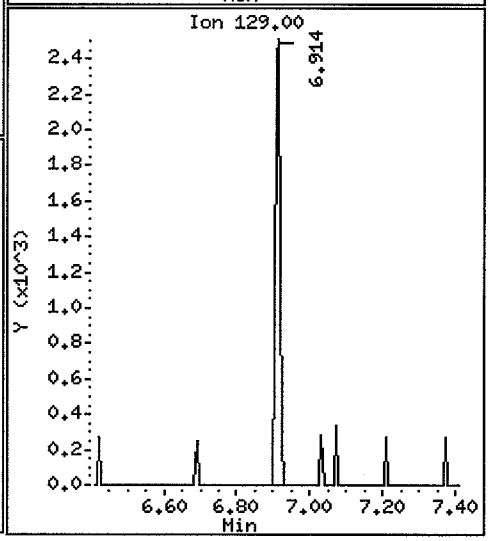












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

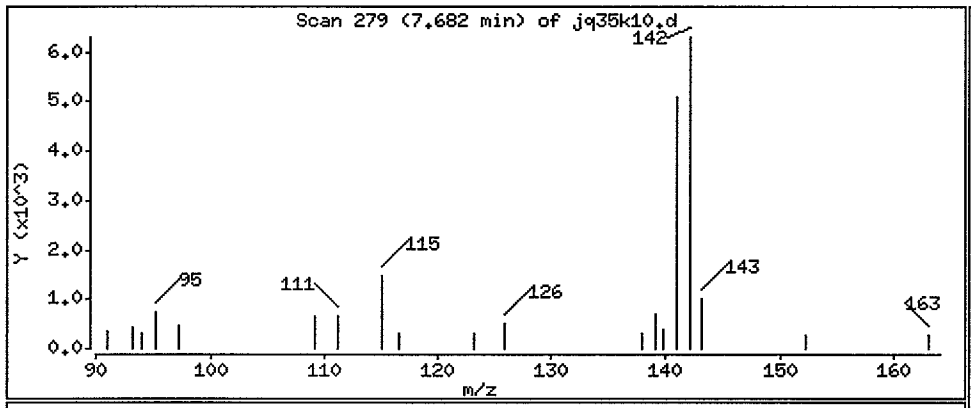
Operator: VTS

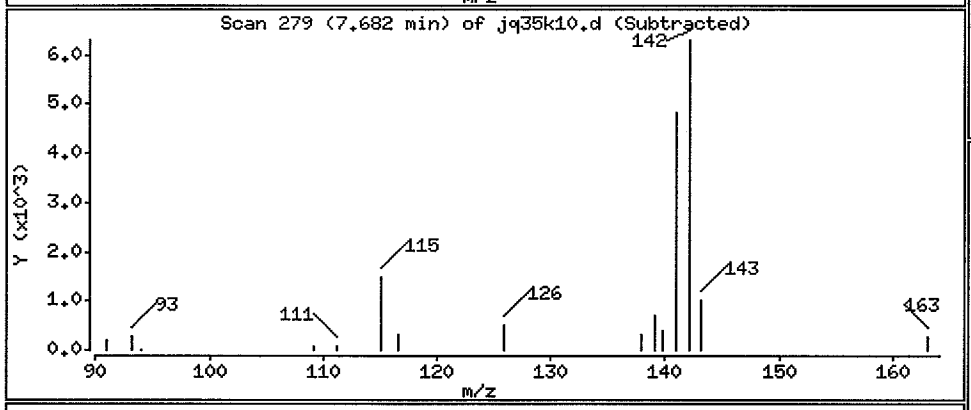
Column phase: ZB-5

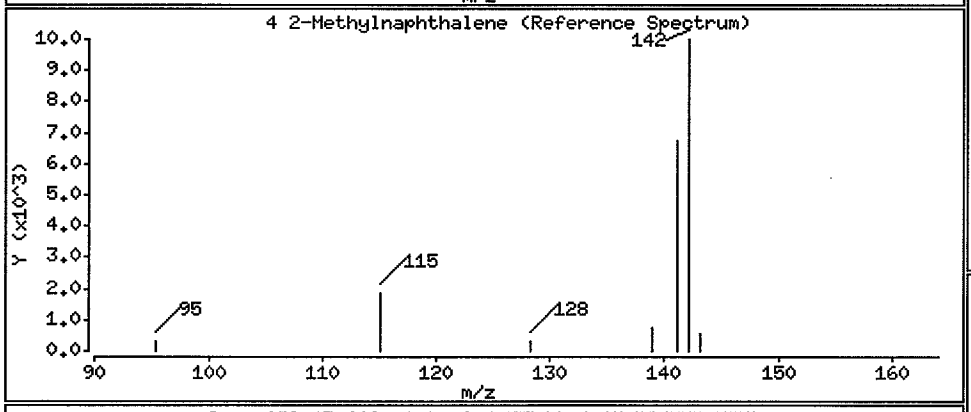
Column diameter: 0.25

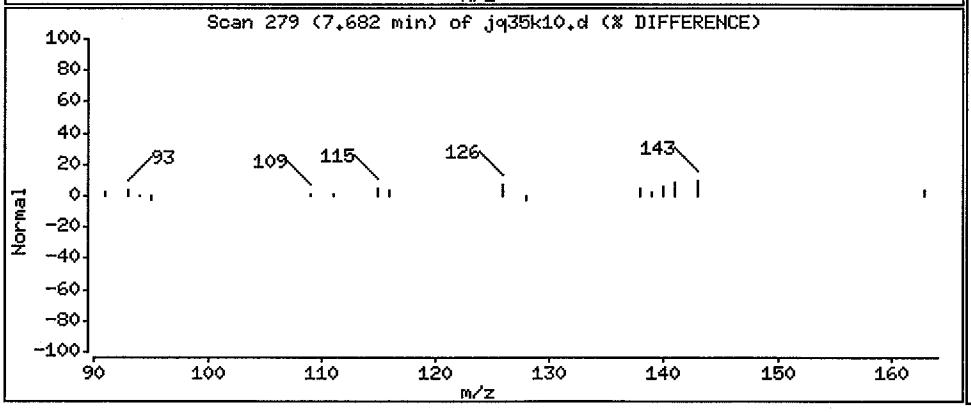
4 2-Methylnaphthalene

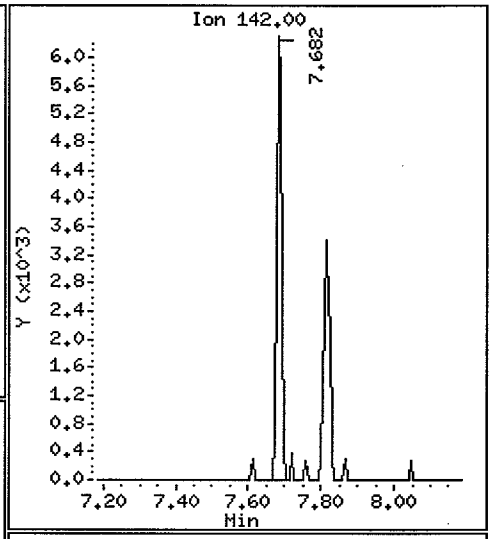
Concentration: 155.3 ug/kg

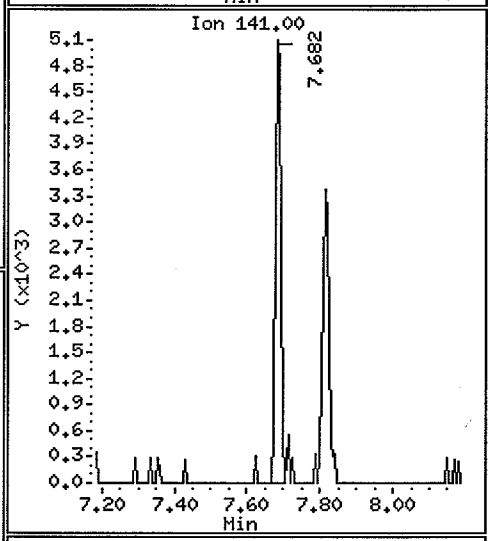


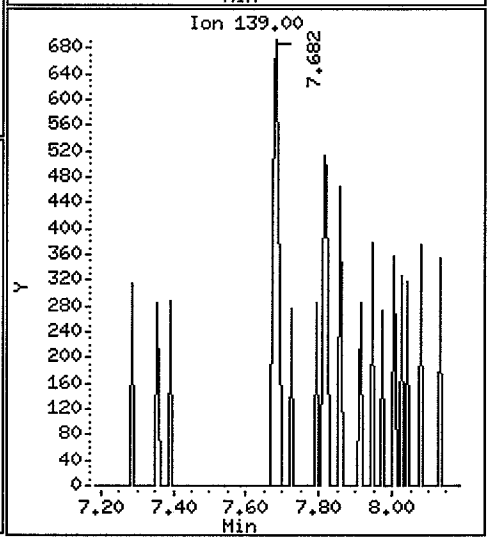












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

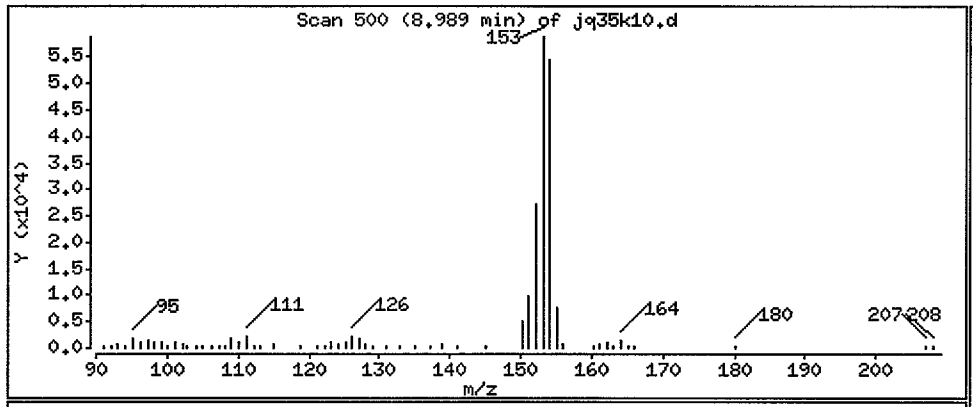
Operator: VTS

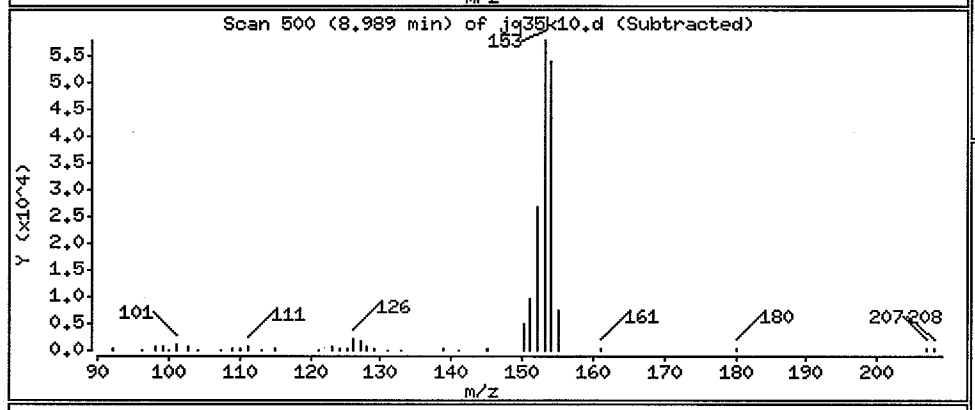
Column phase: ZB-5

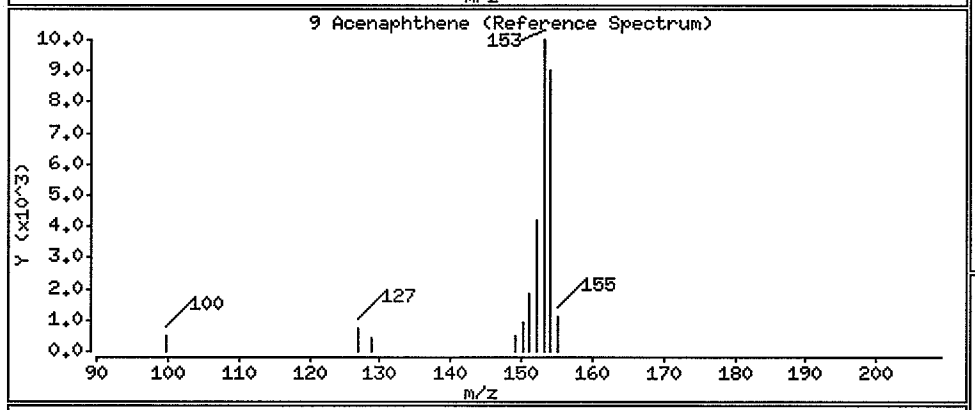
Column diameter: 0.25

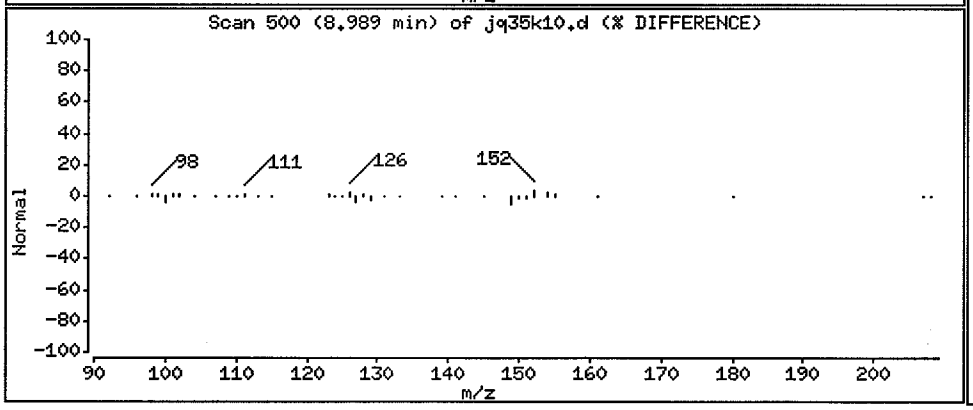
9 Acenaphthene

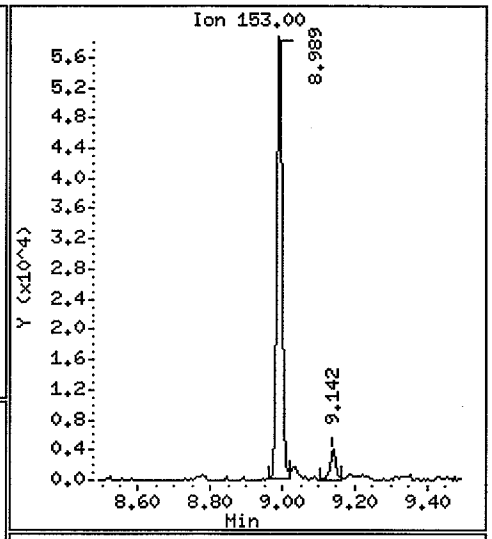
Concentration: 1726 ug/kg

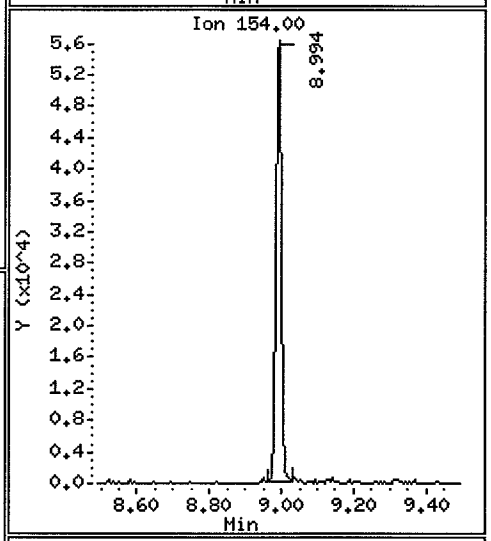


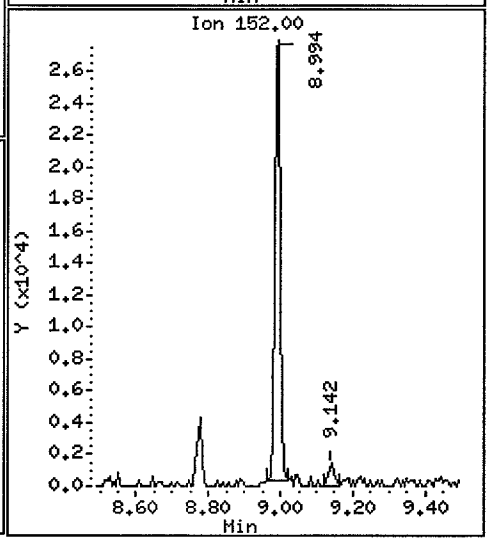












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

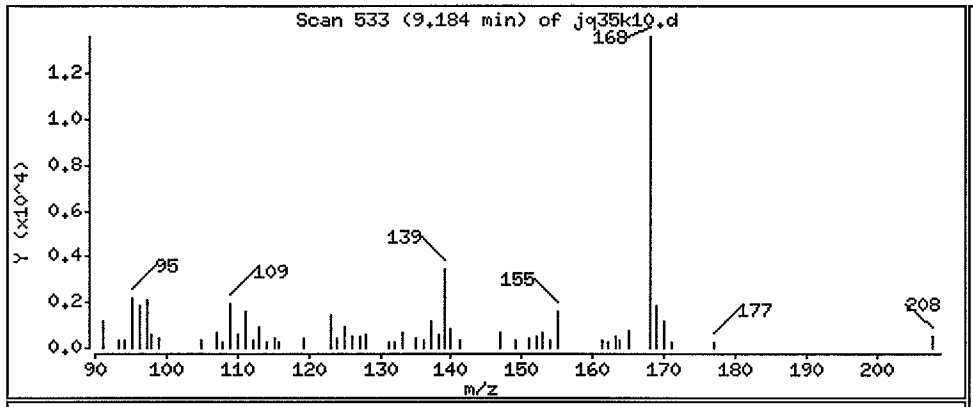
Operator: VTS

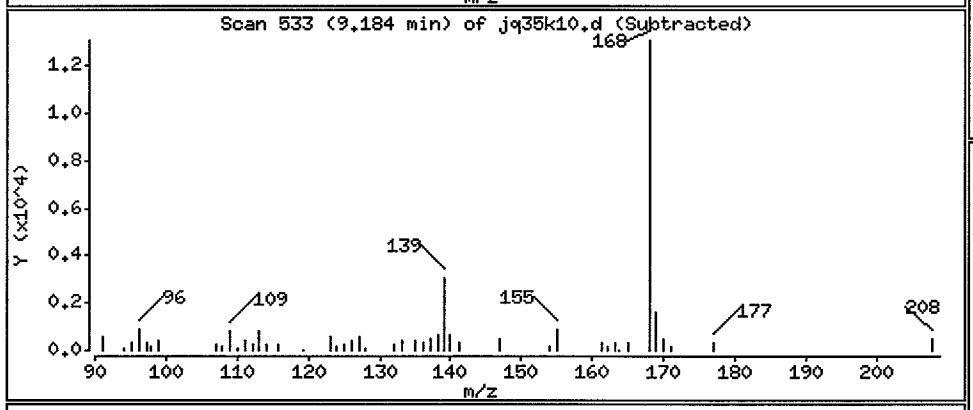
Column phase: ZB-5

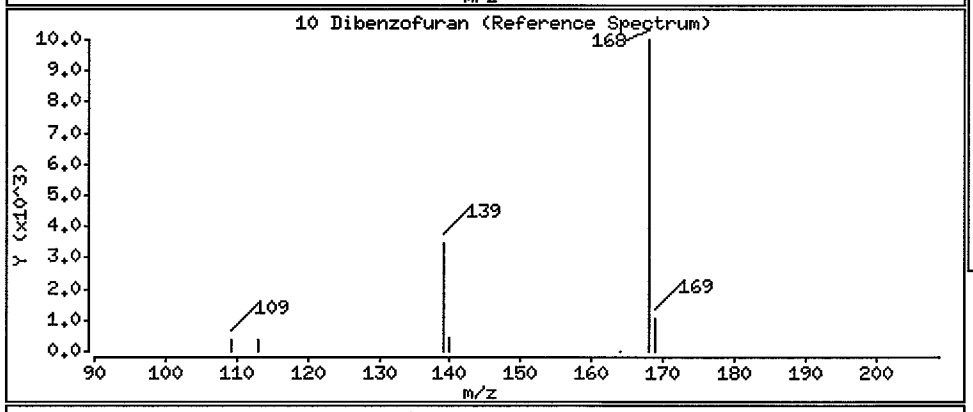
Column diameter: 0.25

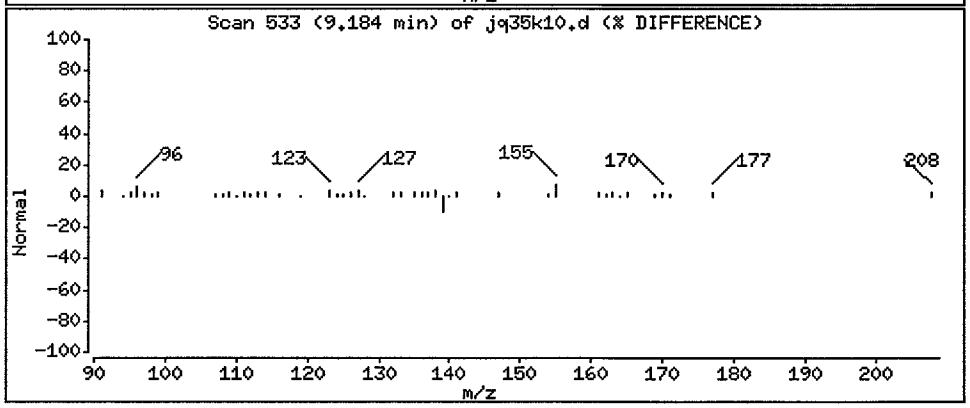
10 Dibenzofuran

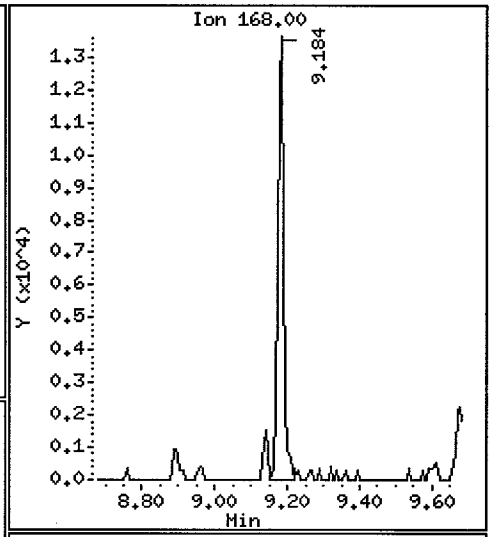
Concentration: 285.5 ug/kg

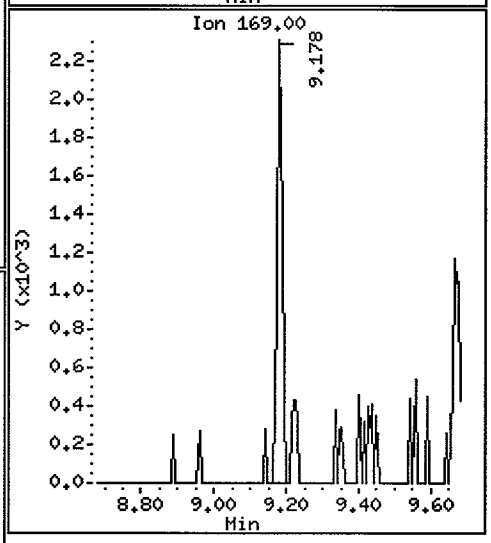












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

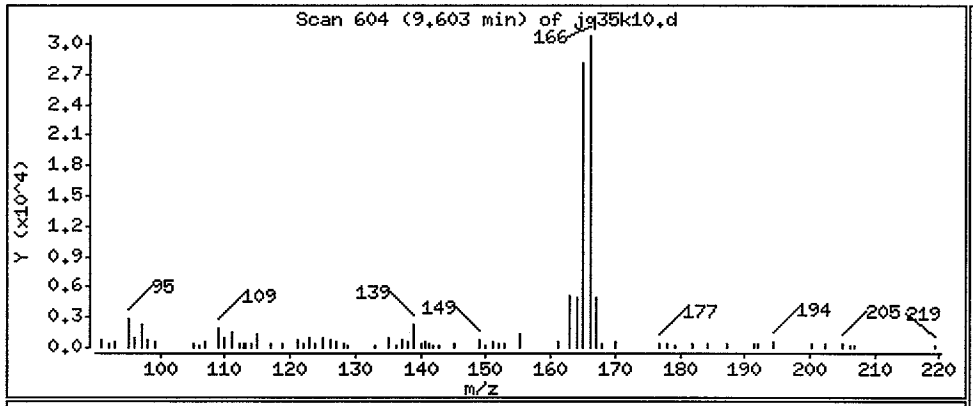
Operator: VTS

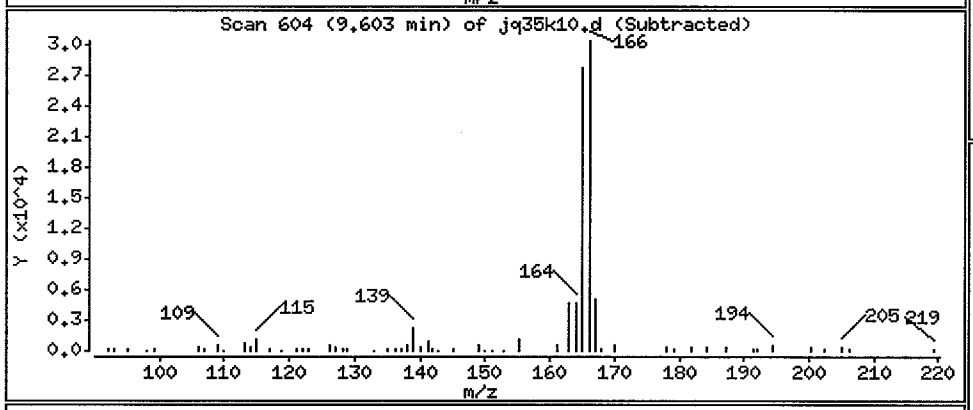
Column phase: ZB-5

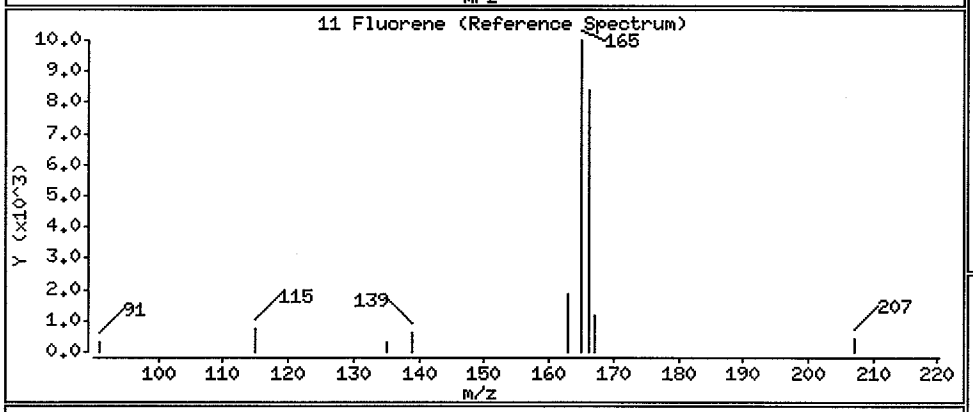
Column diameter: 0.25

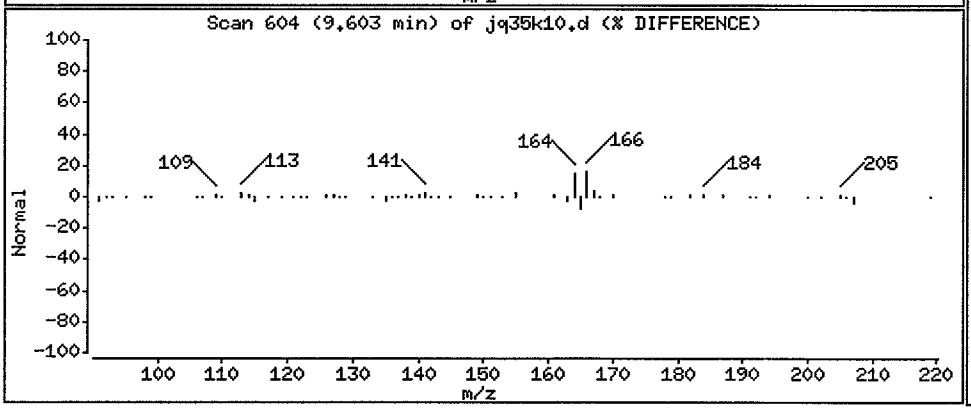
11 Fluorene

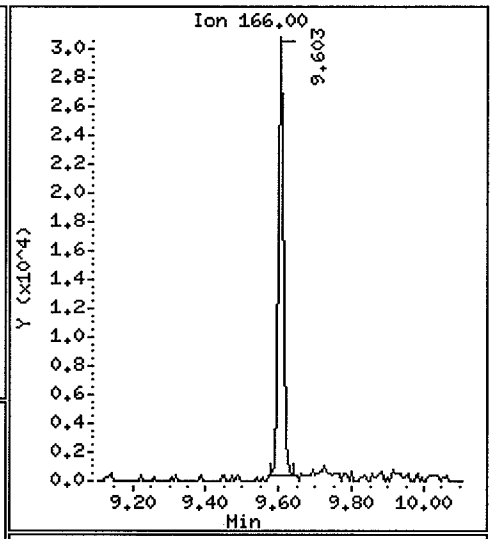
Concentration: 727.0 ug/kg

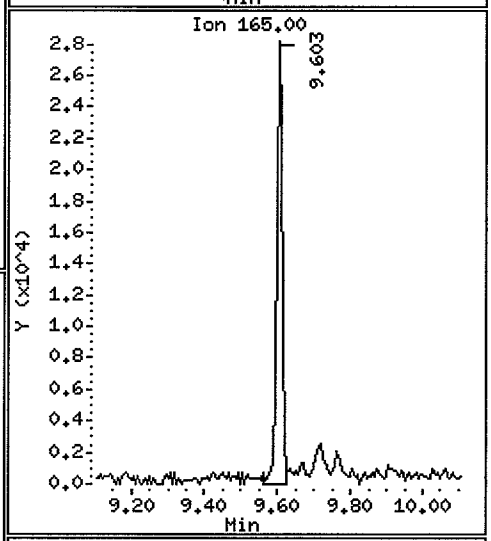


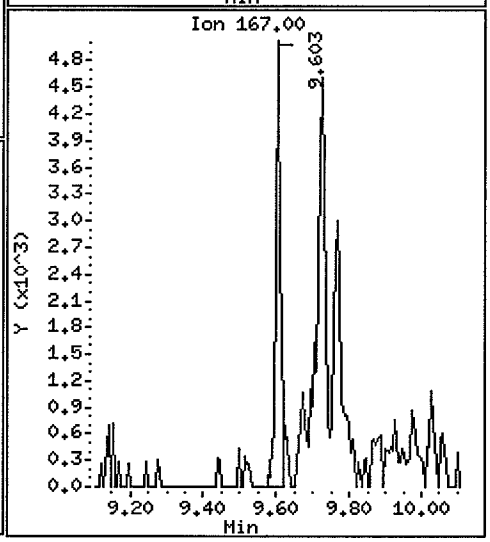












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

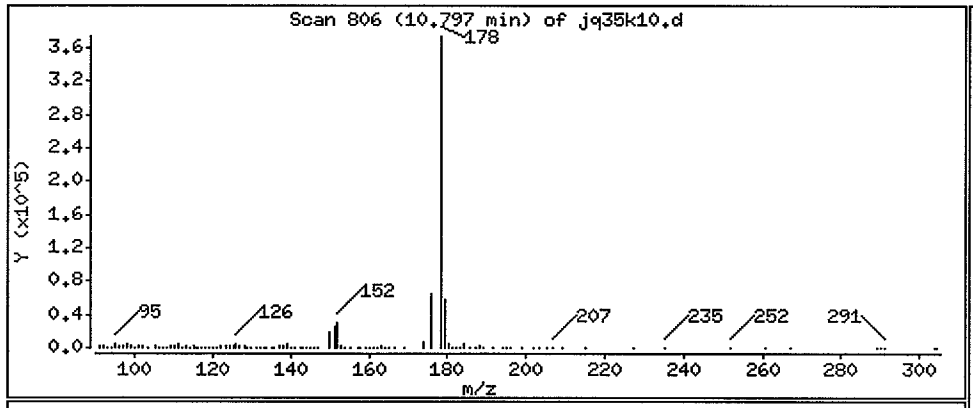
Operator: VTS

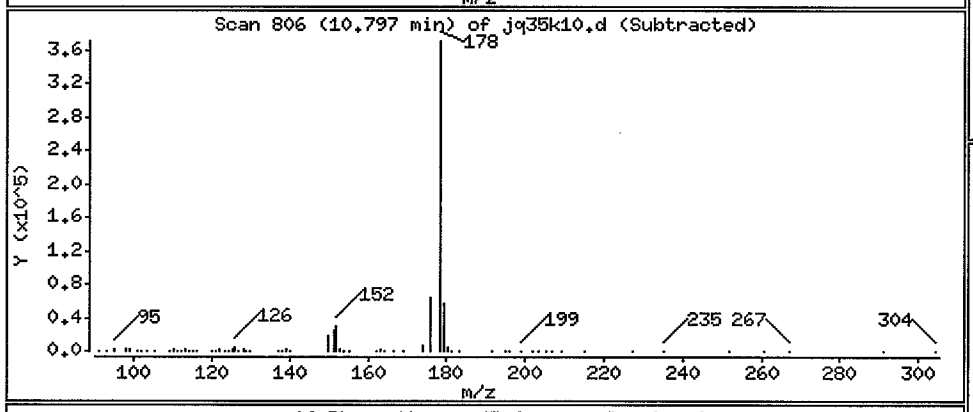
Column phase: ZB-5

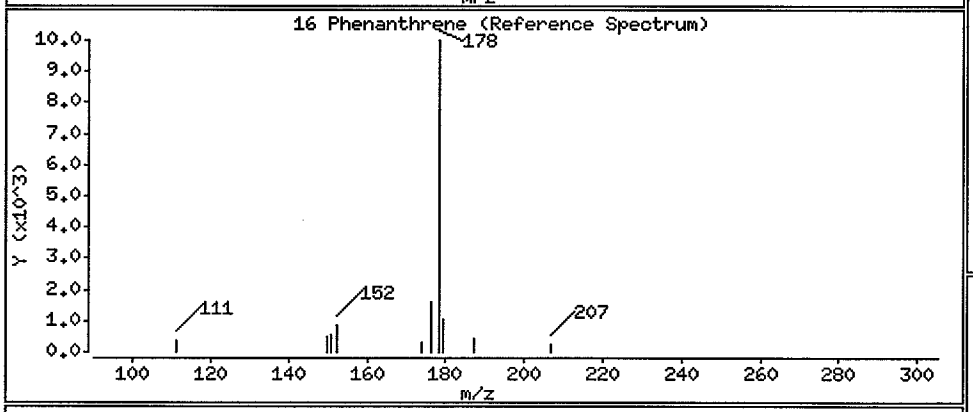
Column diameter: 0.25

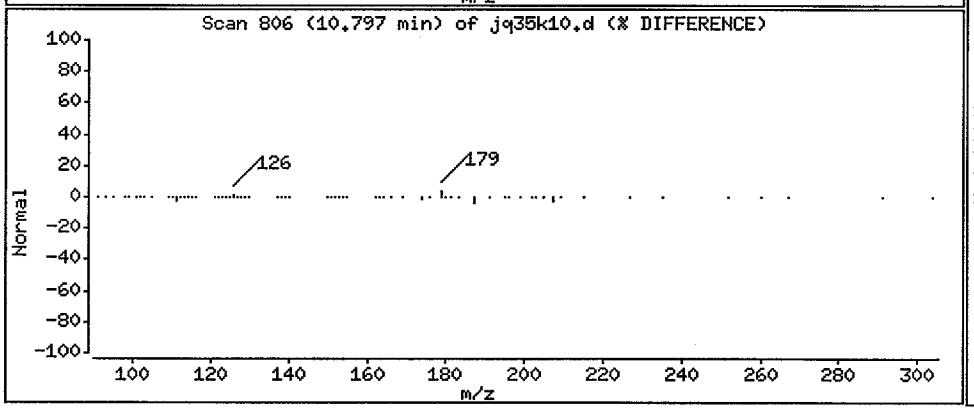
16 Phenanthrene

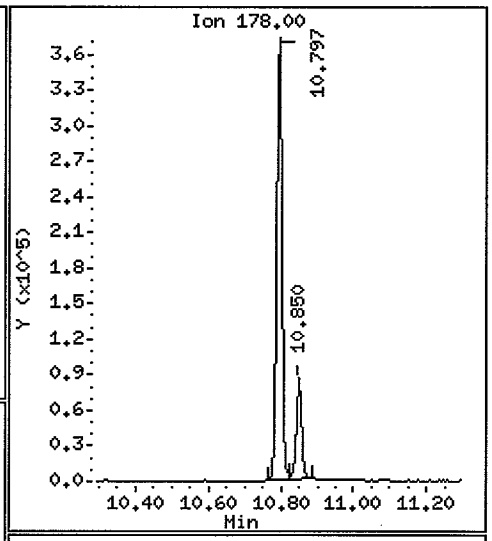
Concentration: 6557 ug/kg

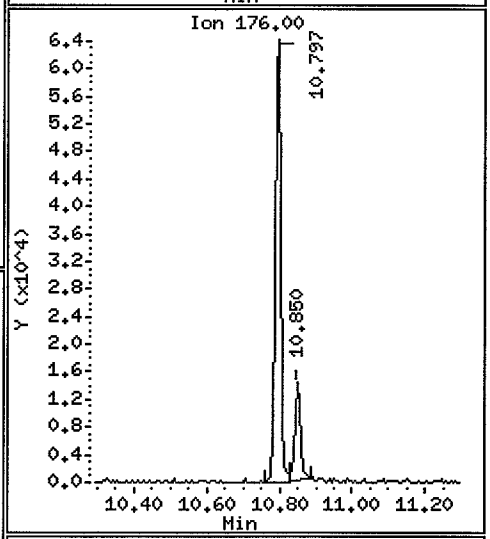


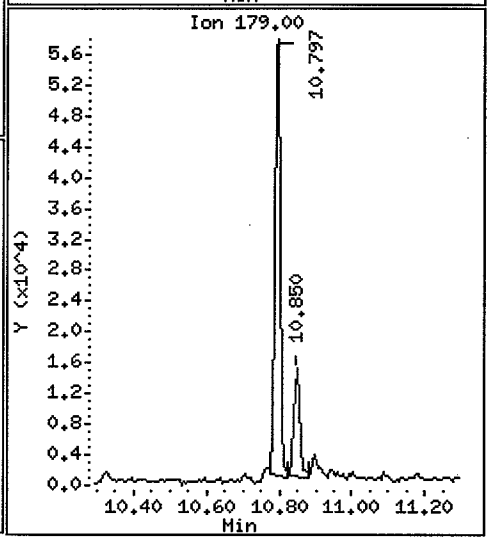












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

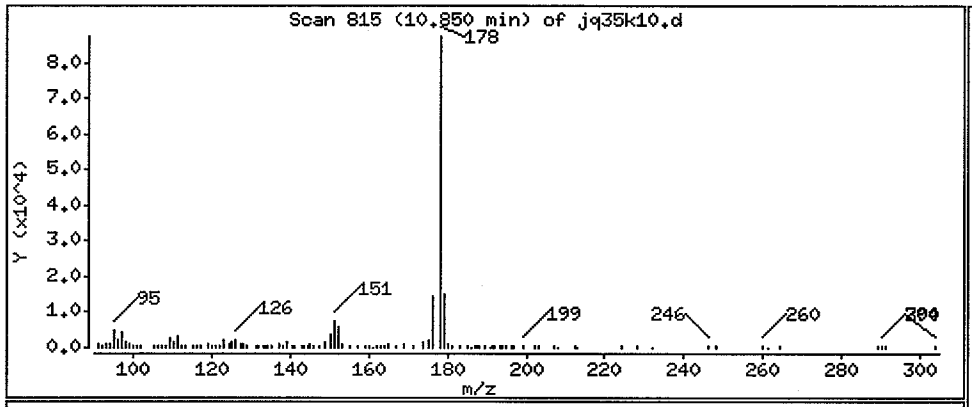
Operator: VTS

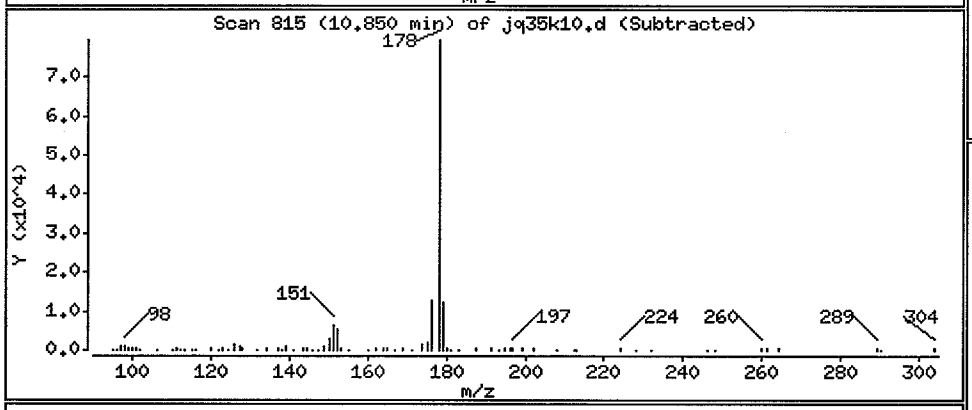
Column phase: ZB-5

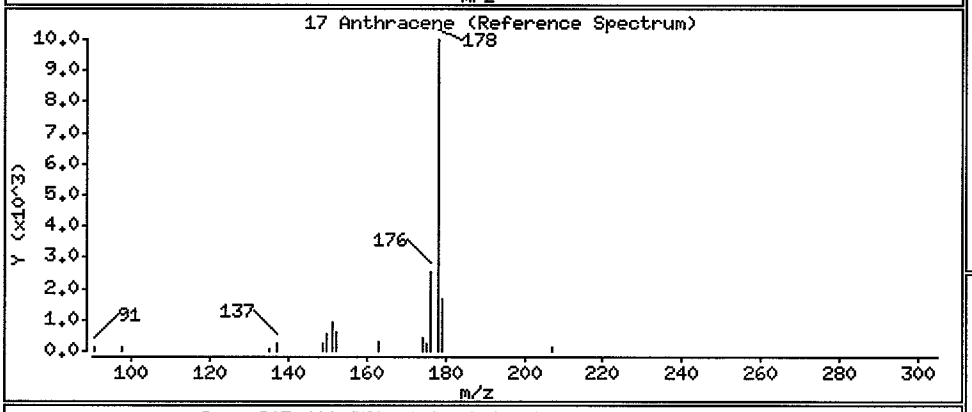
Column diameter: 0.25

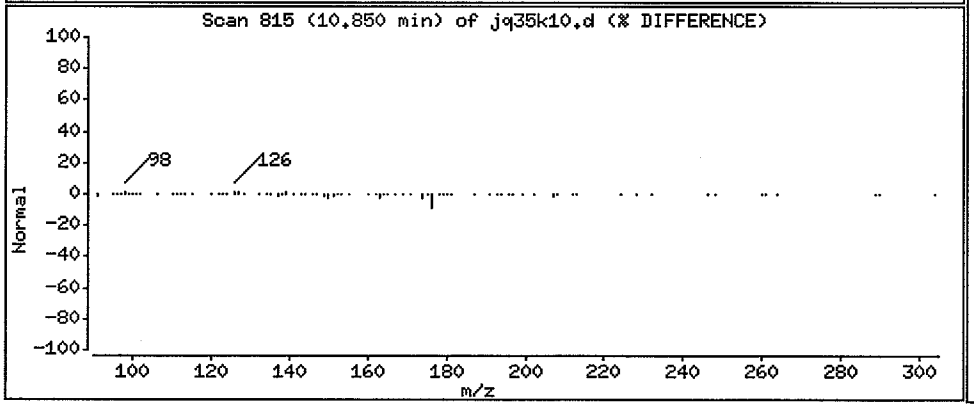
17 Anthracene

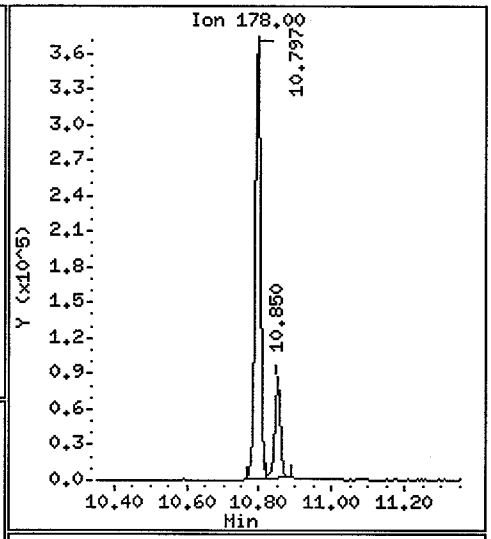
Concentration: 1504 ug/kg

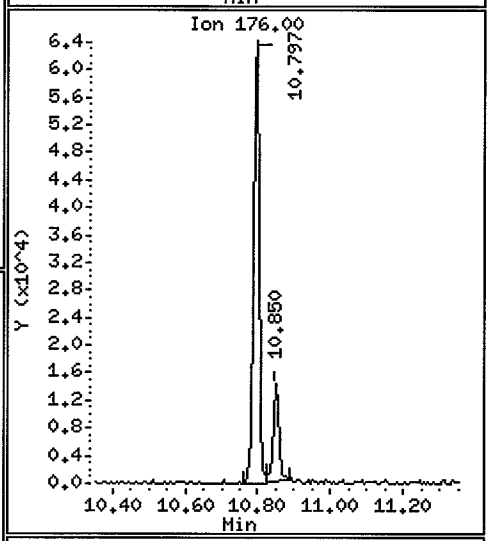


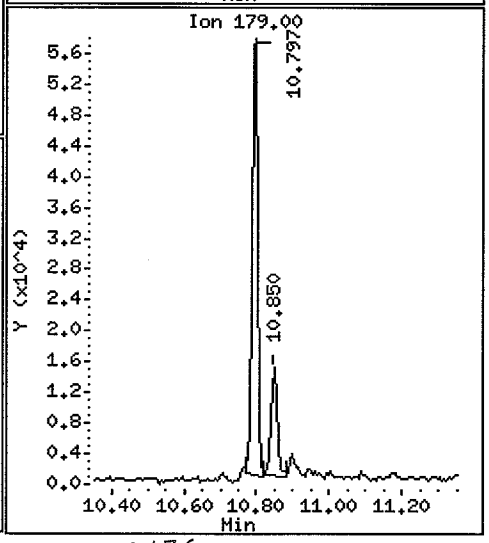












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

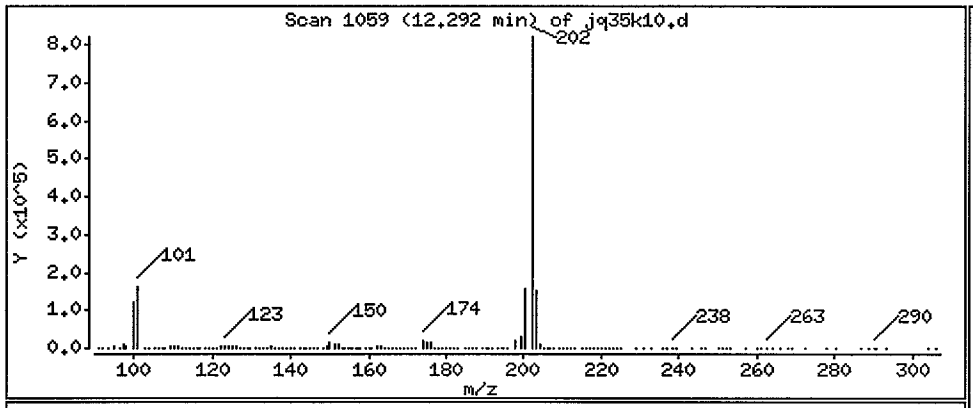
Operator: VTS

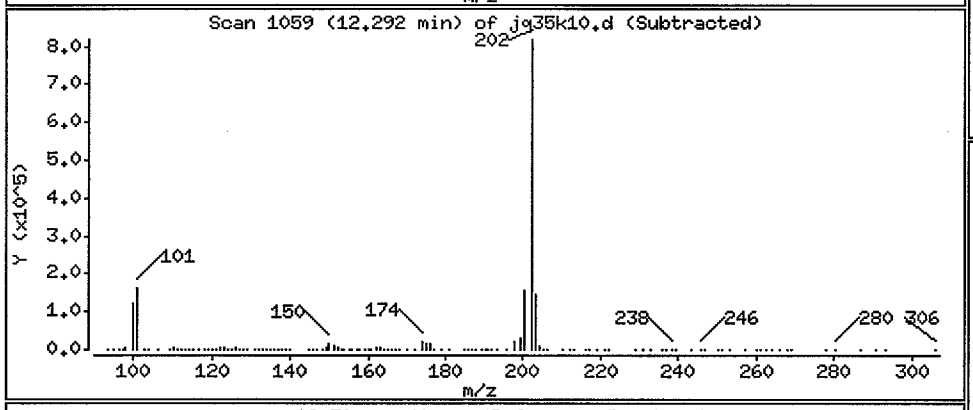
Column phase: ZB-5

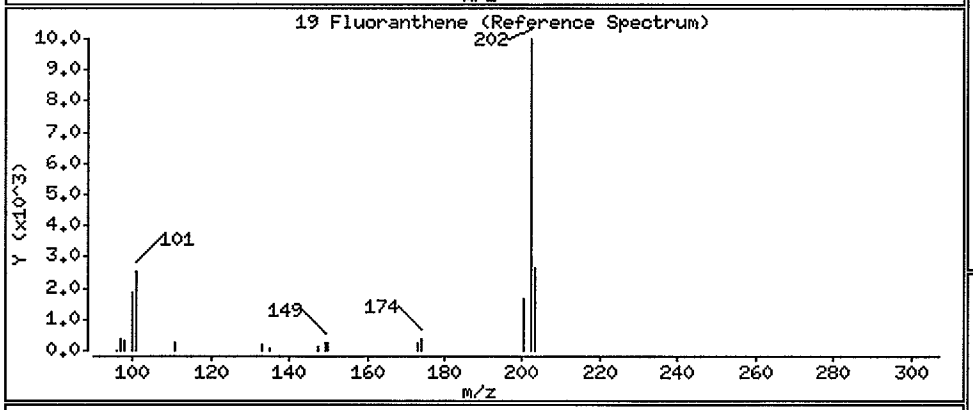
Column diameter: 0.25

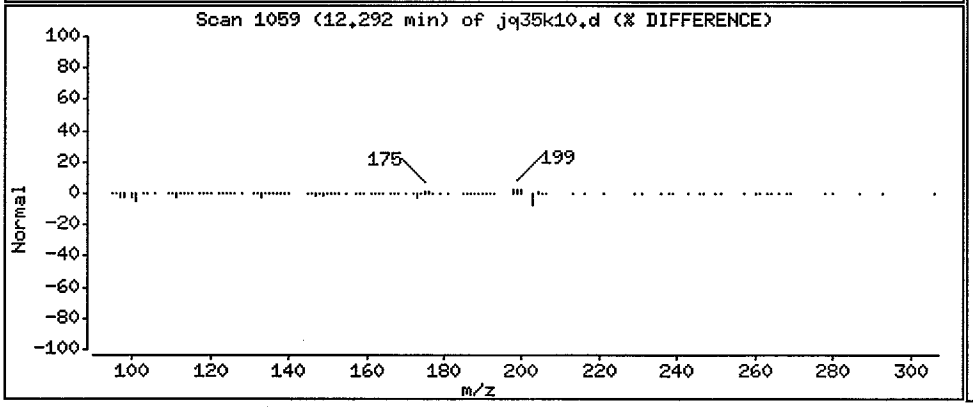
19 Fluoranthene

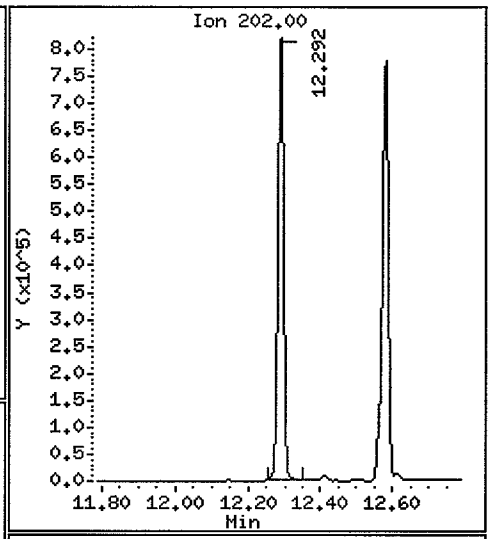
Concentration: 15050 ug/kg

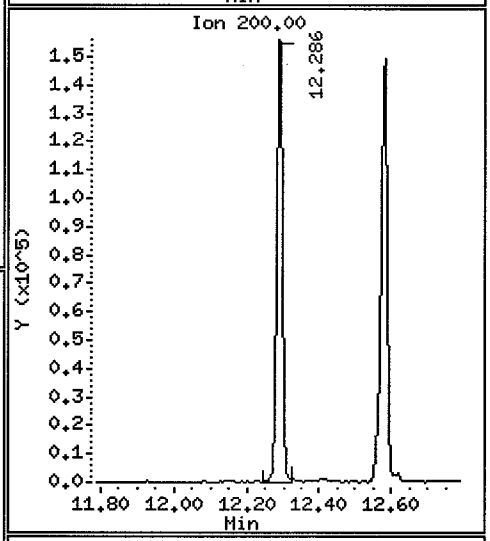


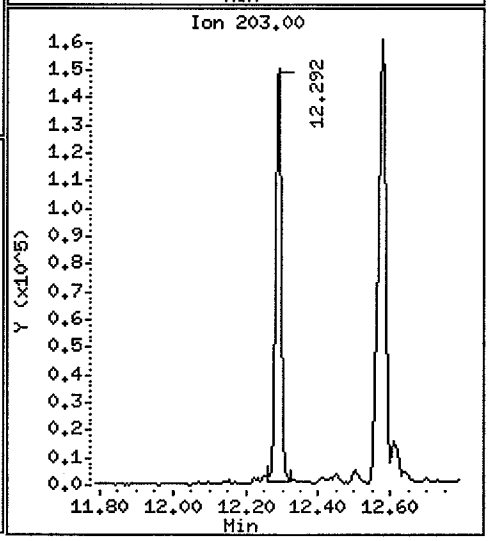












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

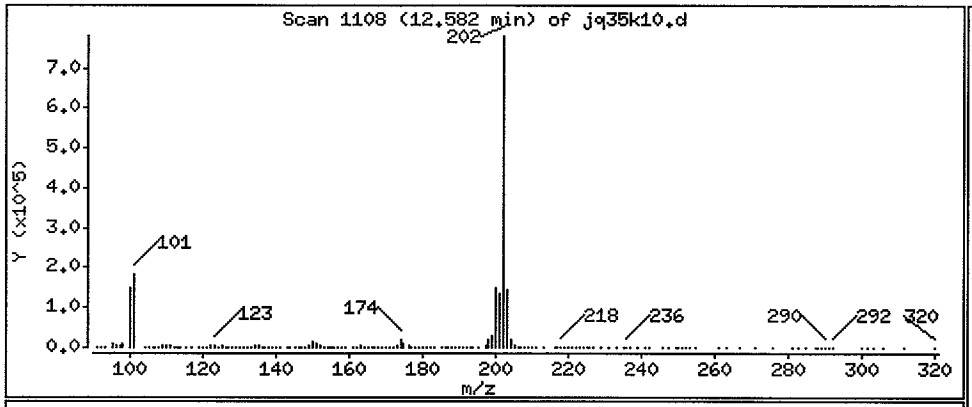
Operator: VTS

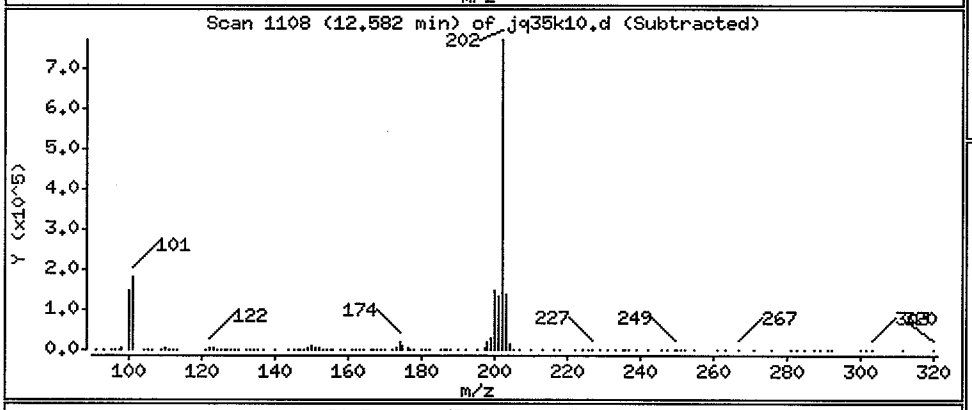
Column phase: ZB-5

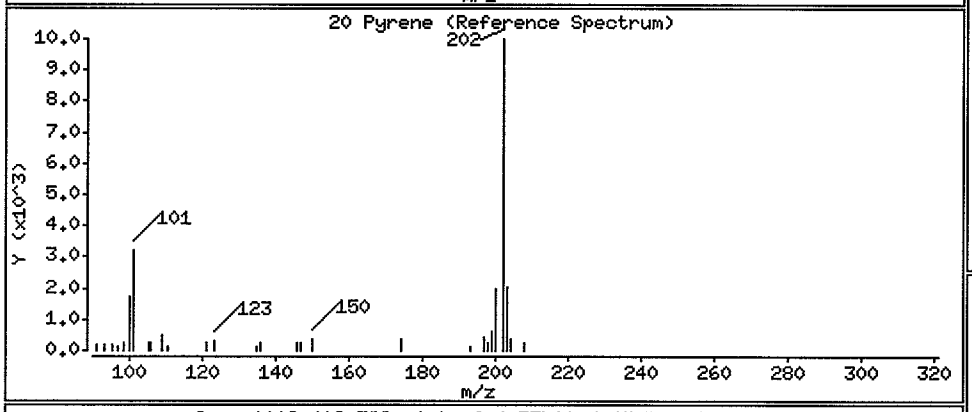
Column diameter: 0.25

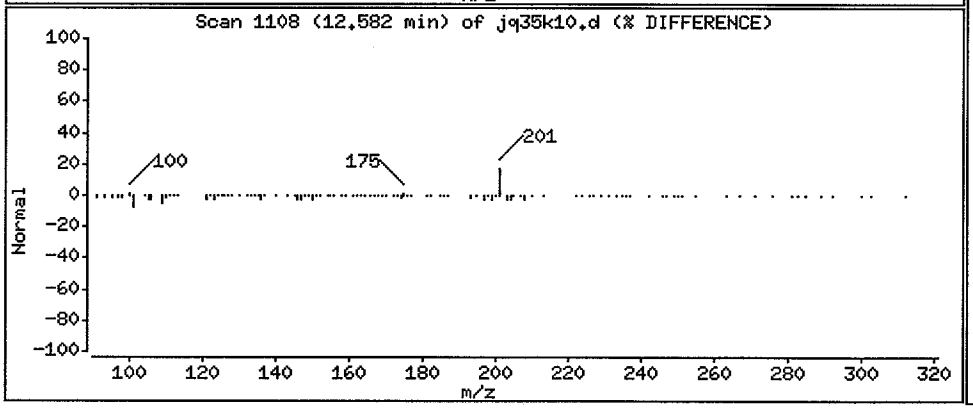
20 Pyrene

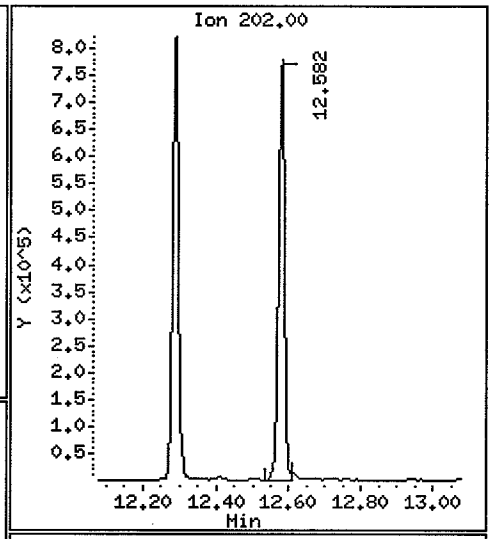
Concentration: 13920 ug/kg

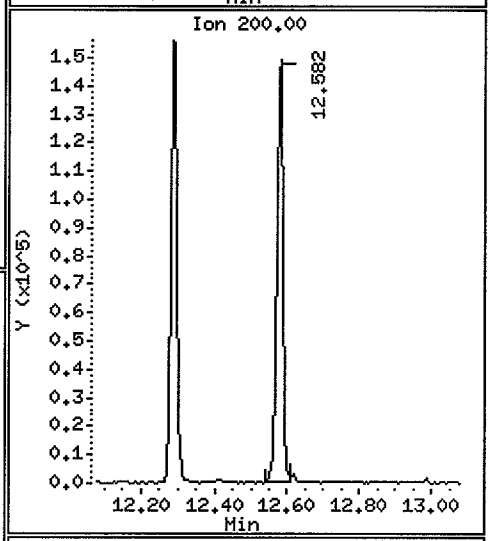


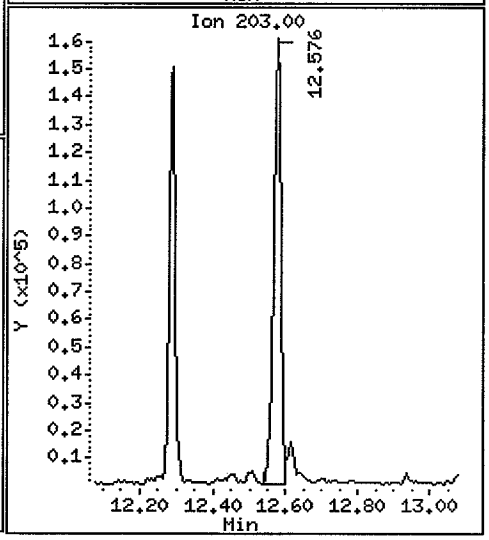












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

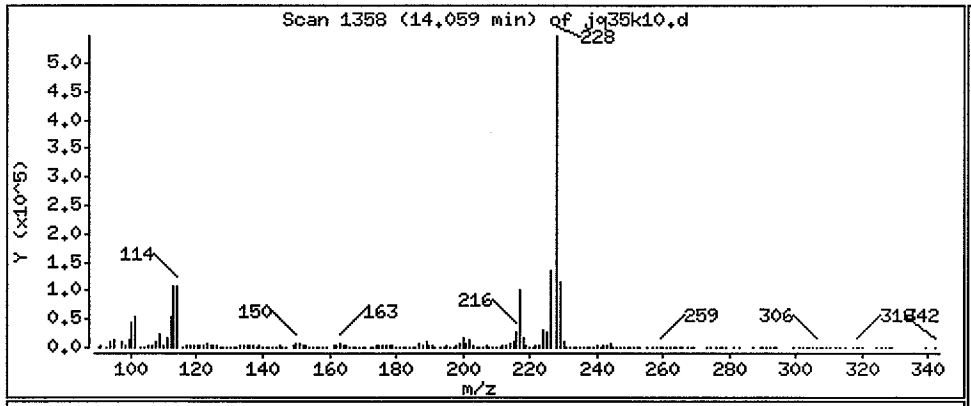
Operator: VTS

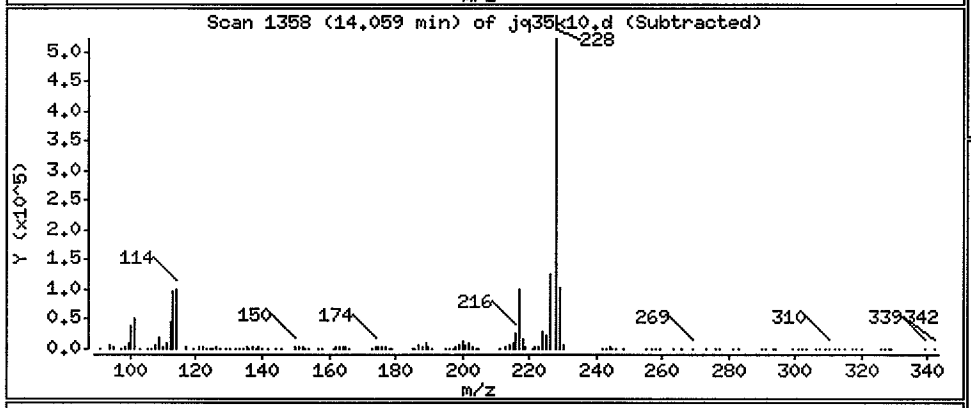
Column phase: ZB-5

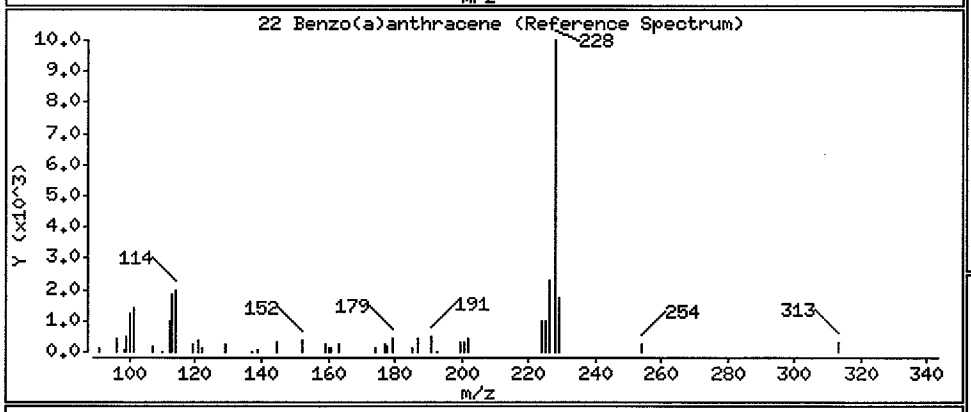
Column diameter: 0.25

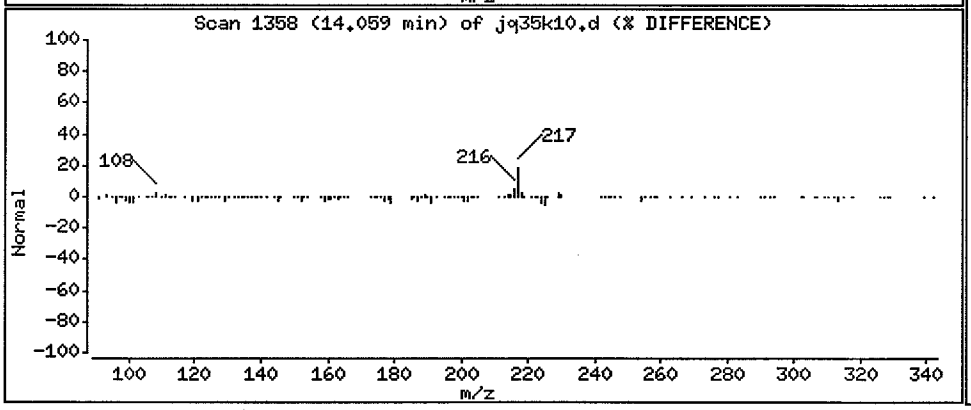
22 Benzo(a)anthracene

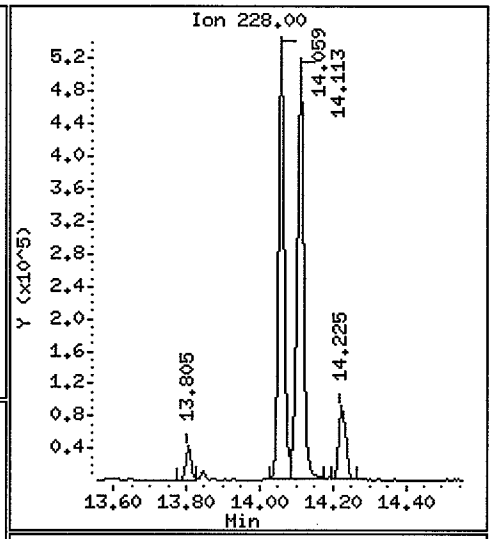
Concentration: 9467 ug/kg

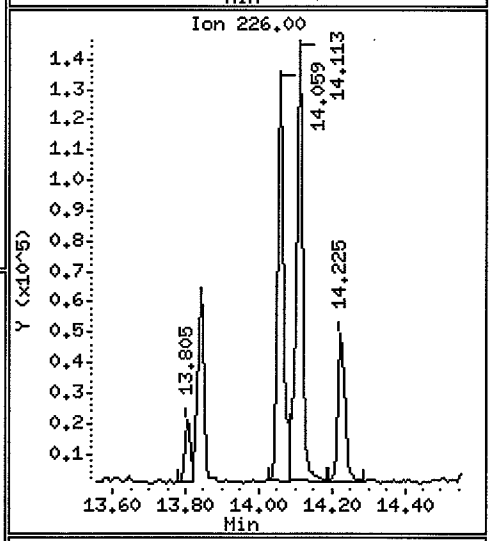


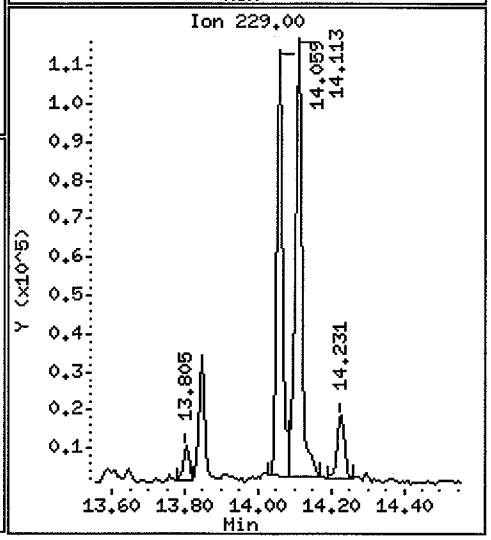












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

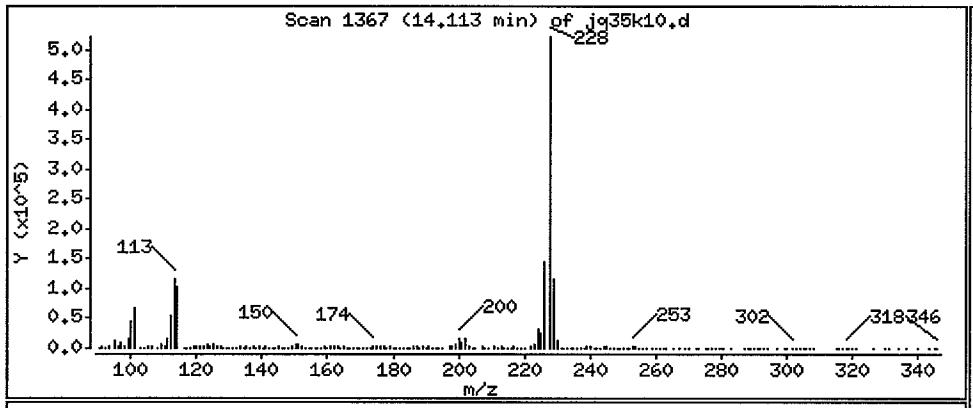
Operator: VTS

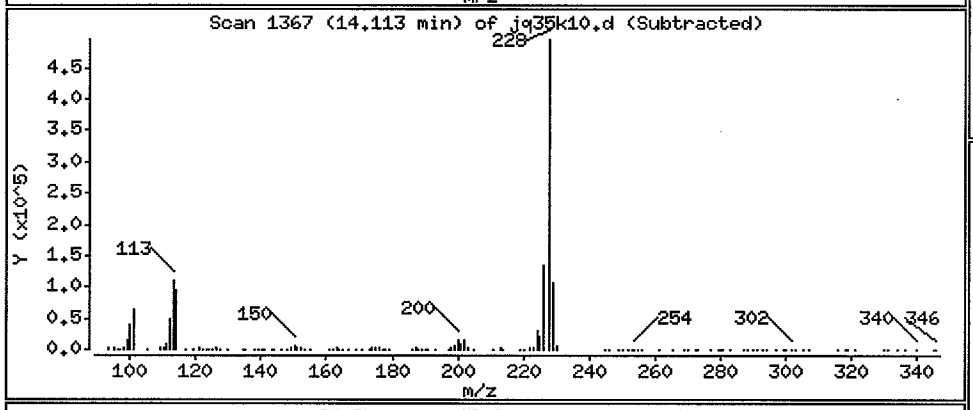
Column phase: ZB-5

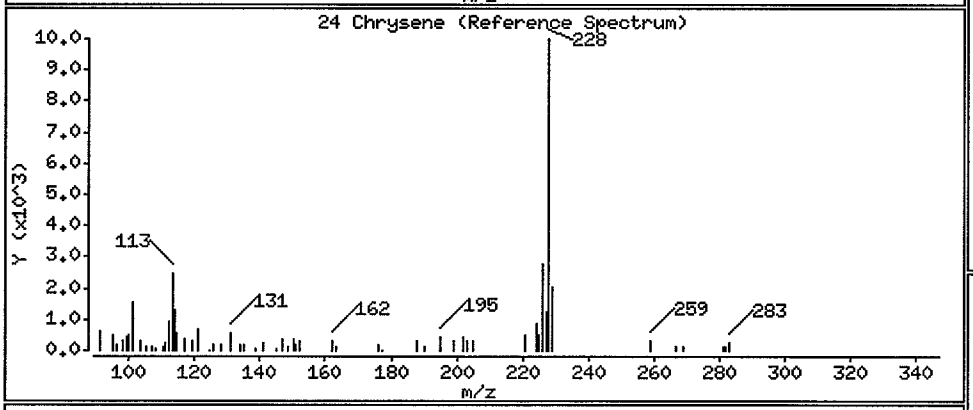
Column diameter: 0.25

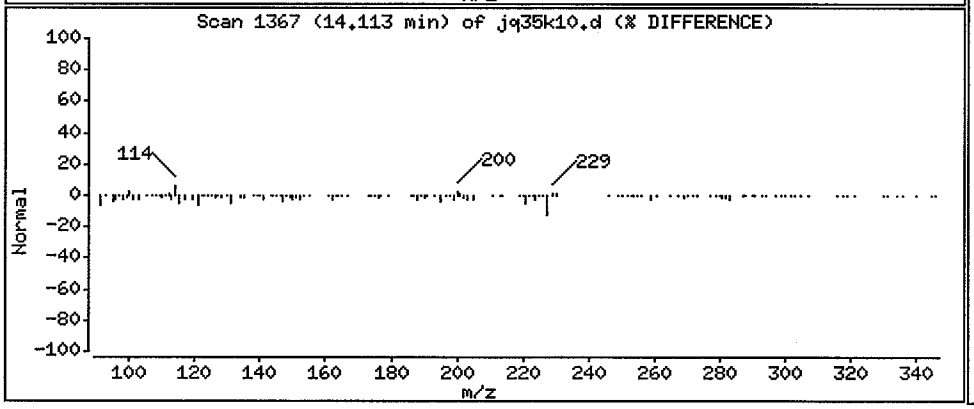
24 Chrysene

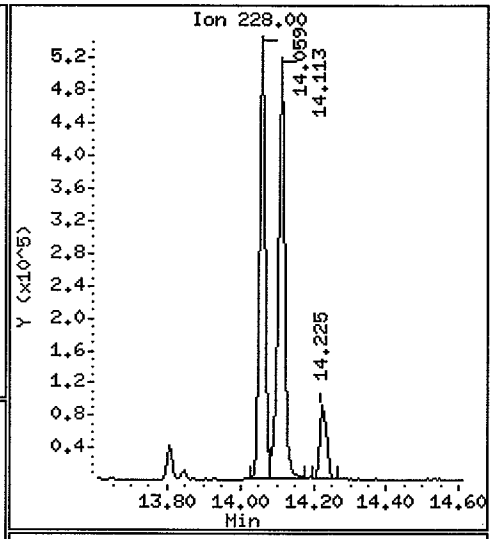
Concentration: 11300 ug/kg

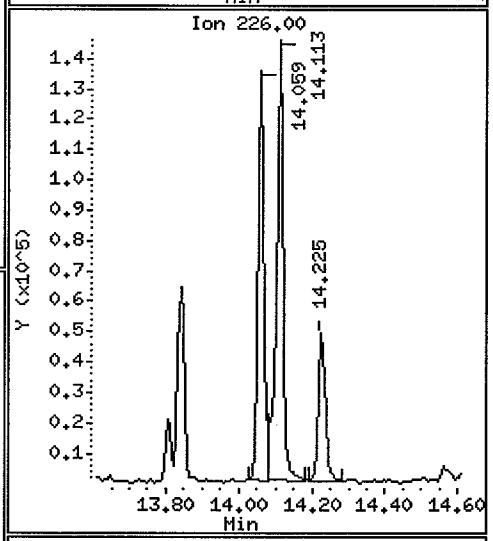


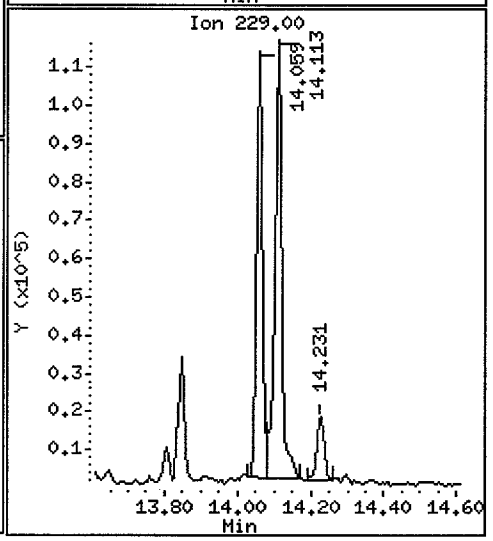












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

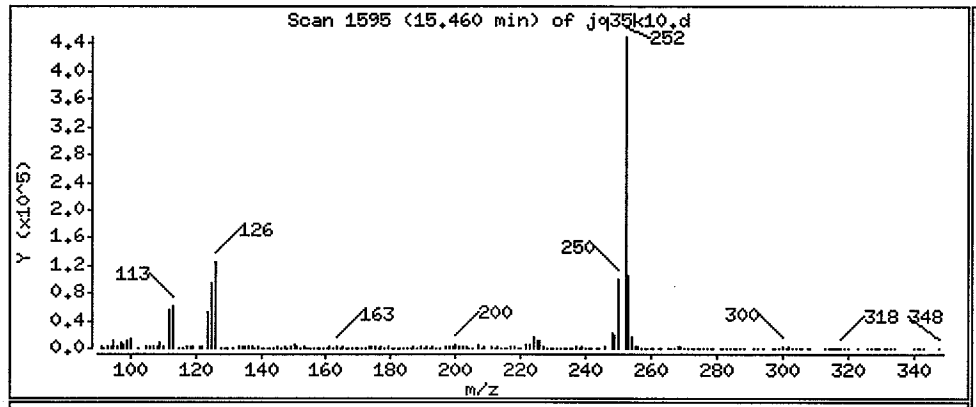
Operator: VTS

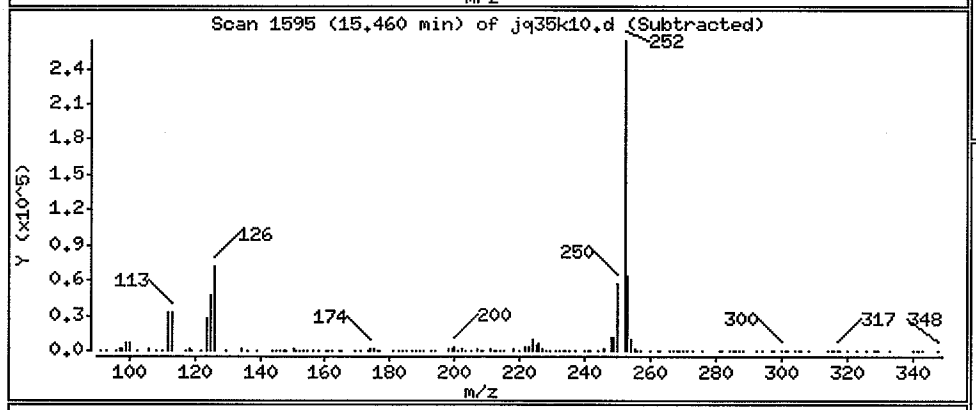
Column phase: ZB-5

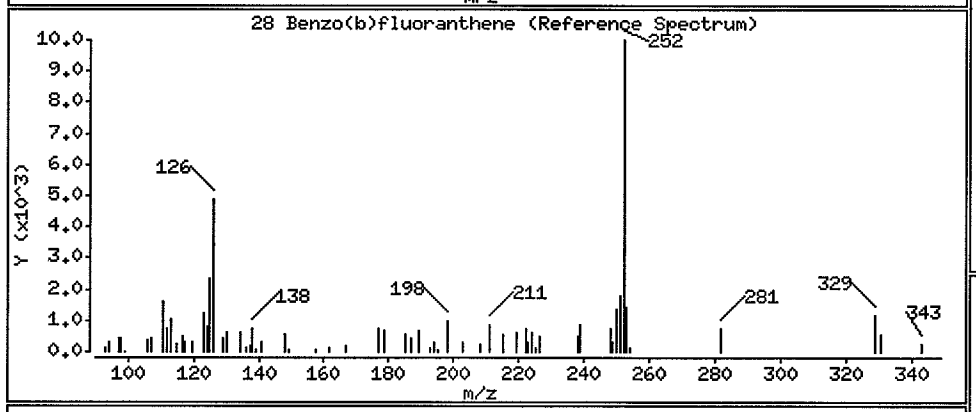
Column diameter: 0.25

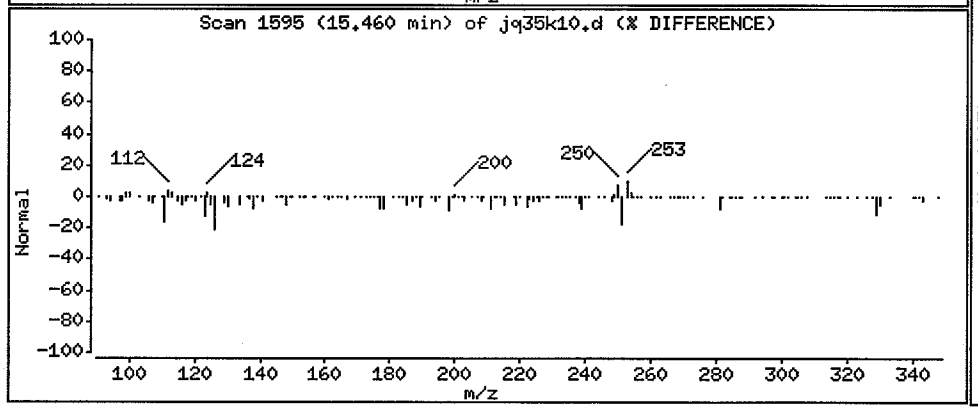
28 Benzo(b)fluoranthene

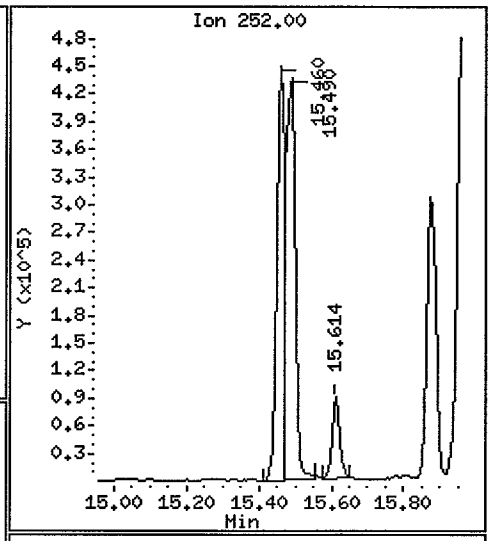
Concentration: 11390 ug/kg

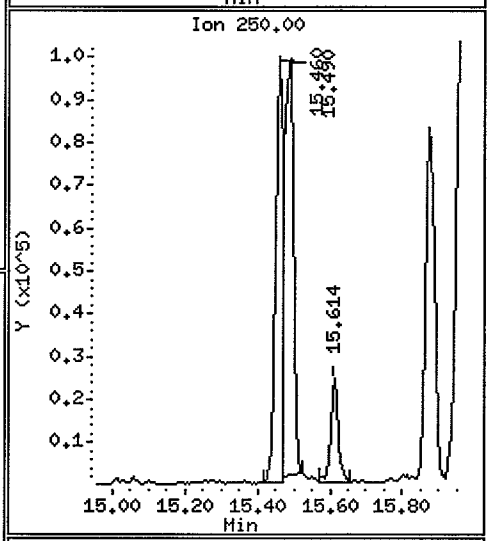


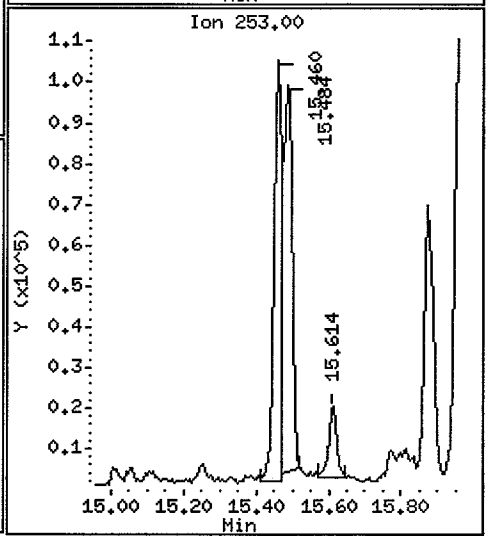












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

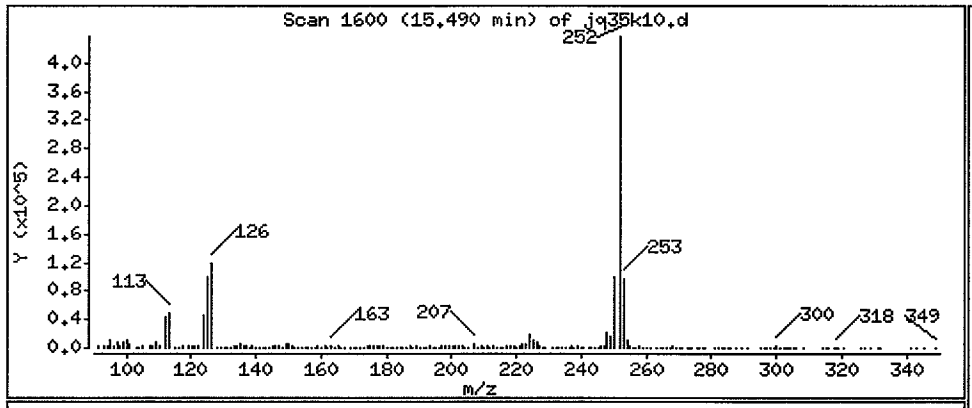
Operator: VTS

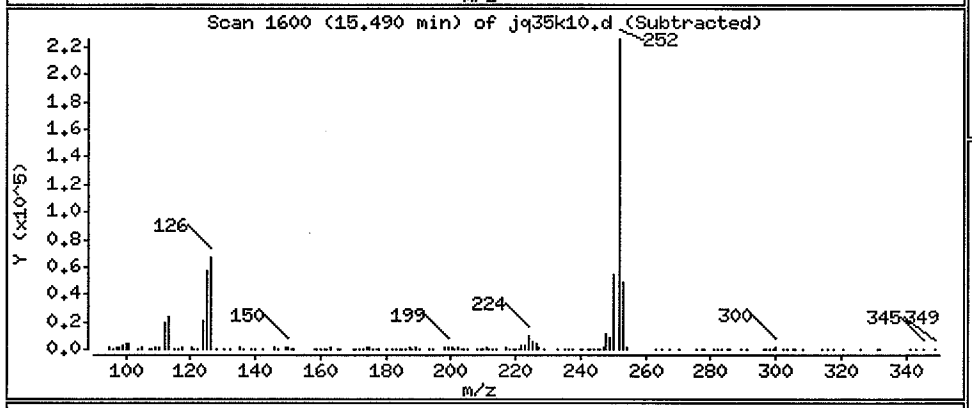
Column phase: ZB-5

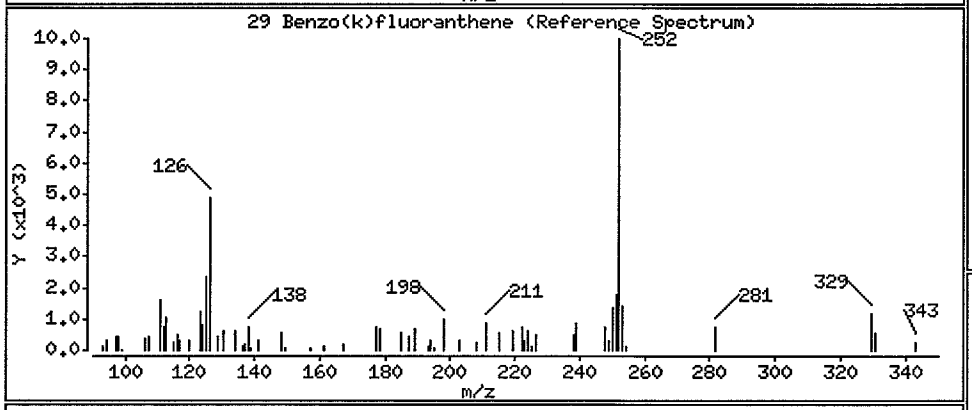
Column diameter: 0.25

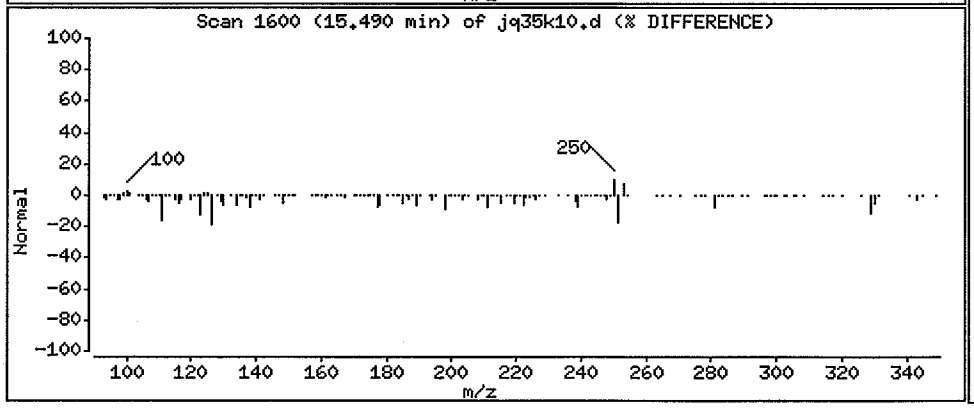
29 Benzo(k)fluoranthene

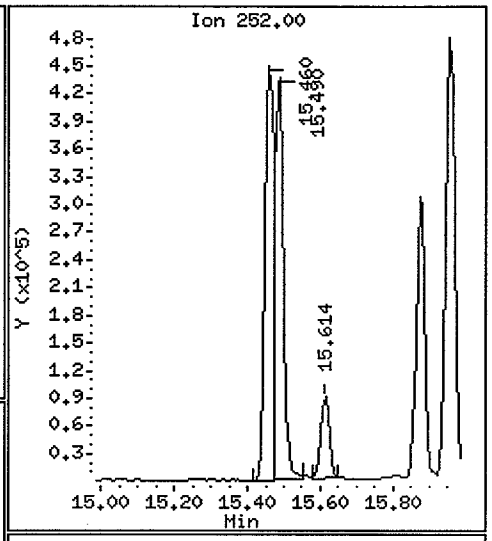
Concentration: 11810 ug/kg

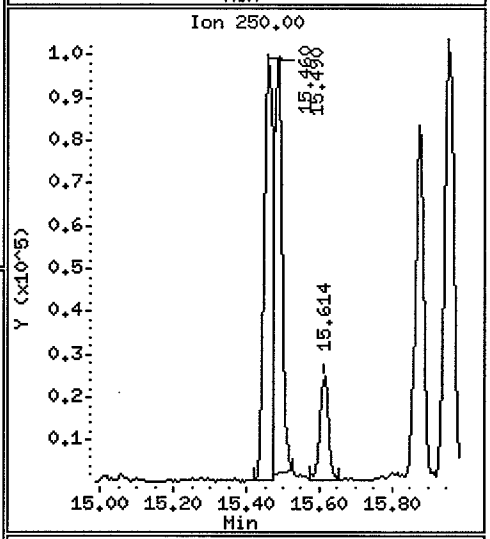


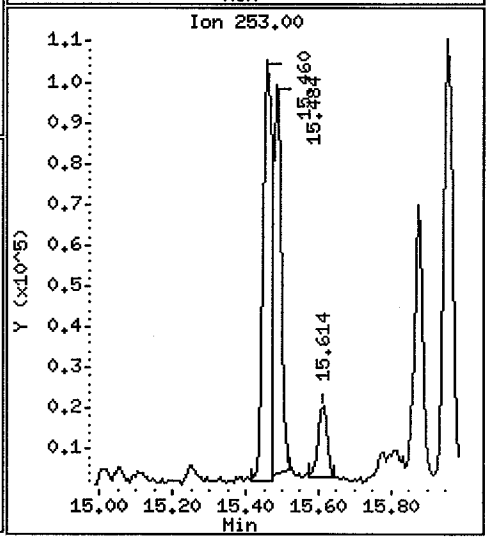












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

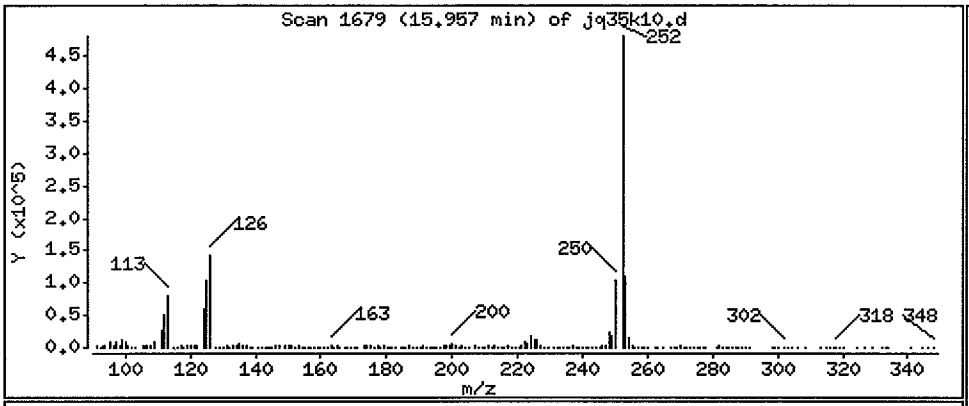
Operator: VTS

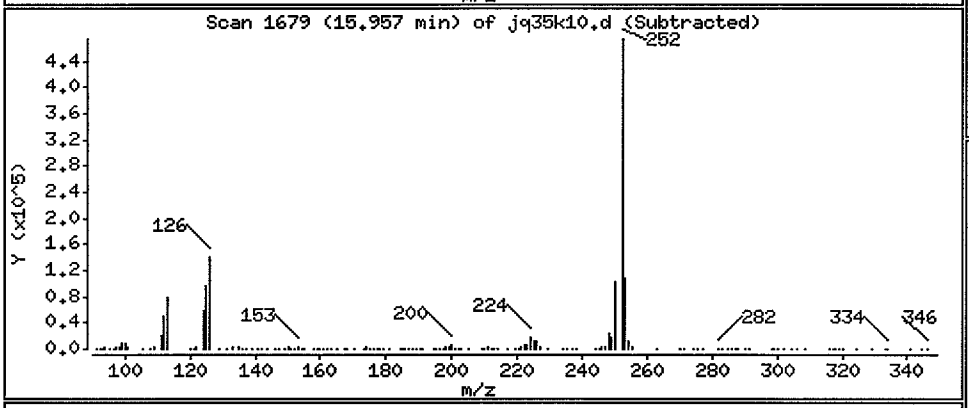
Column phase: ZB-5

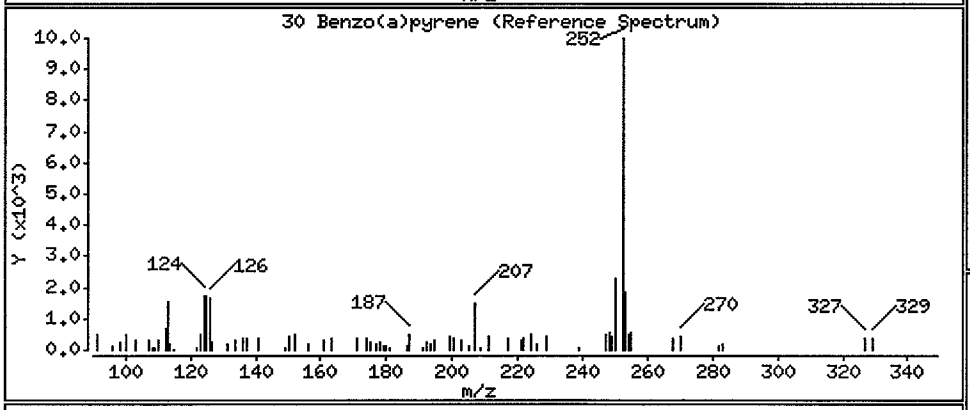
Column diameter: 0.25

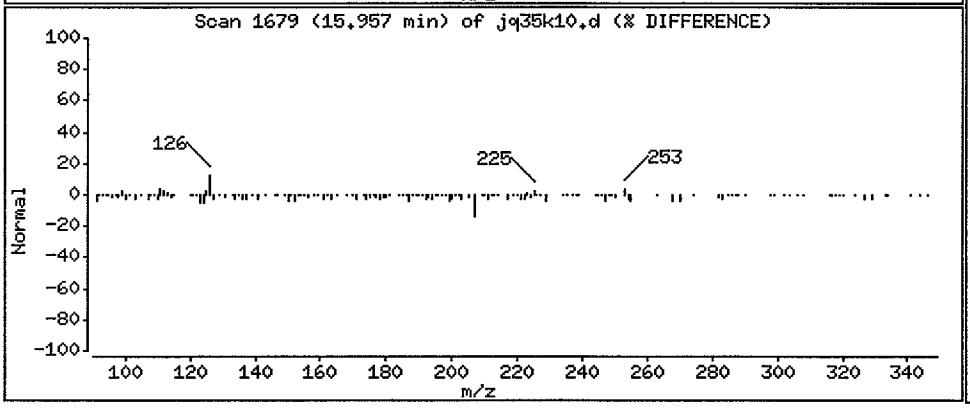
30 Benzo(a)pyrene

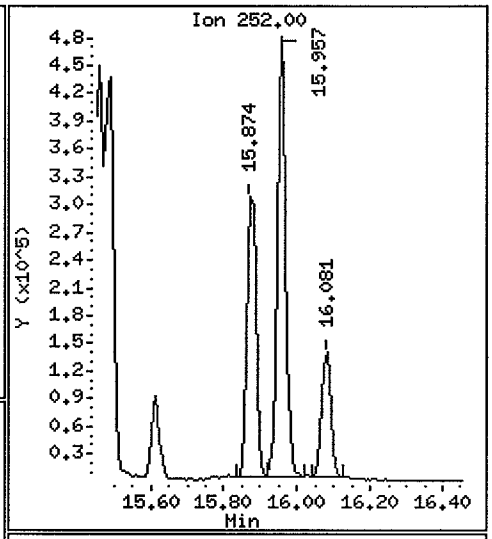
Concentration: 12920 ug/kg

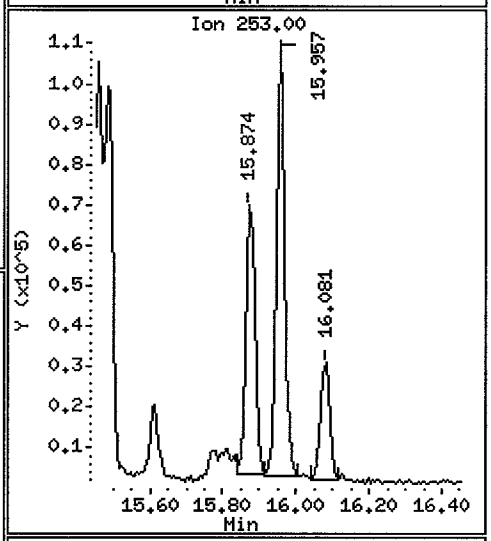


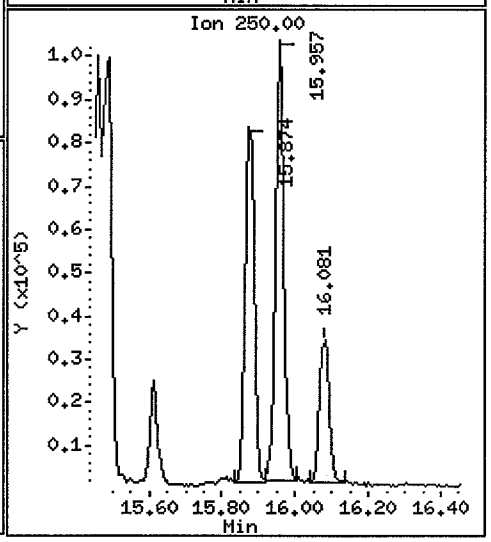












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

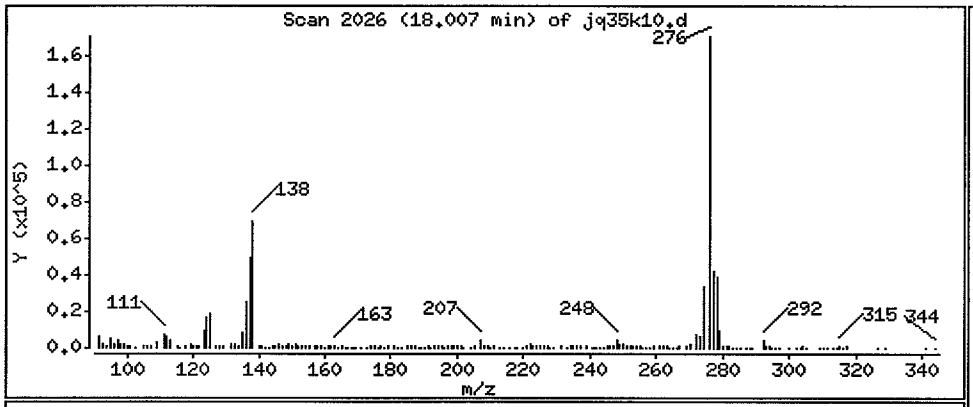
Operator: VTS

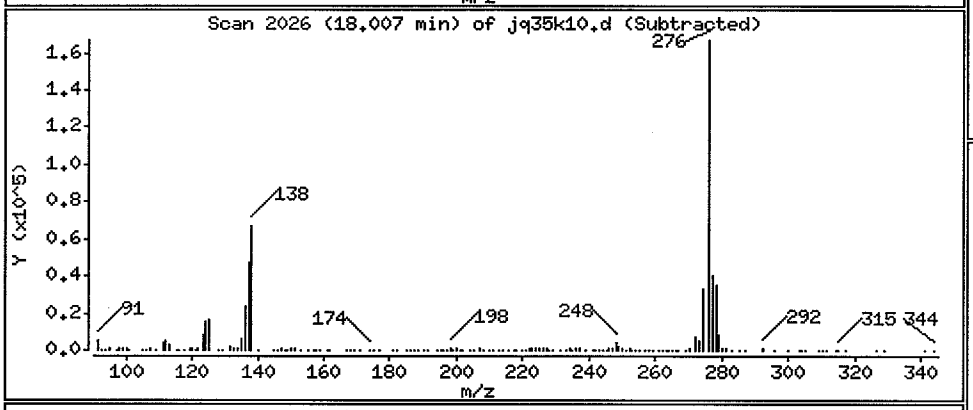
Column phase: ZB-5

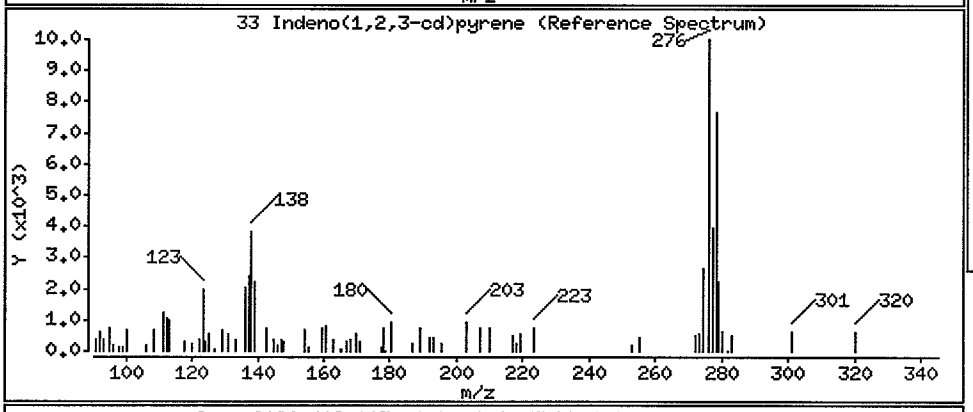
Column diameter: 0.25

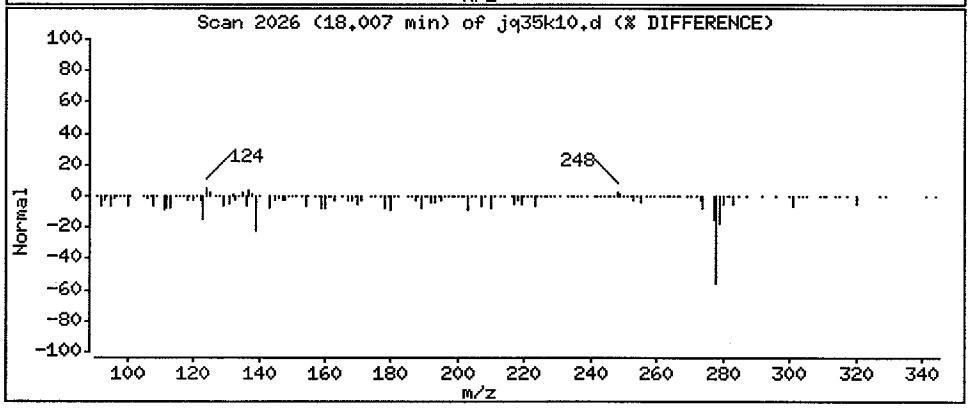
33 Indeno(1,2,3-cd)pyrene

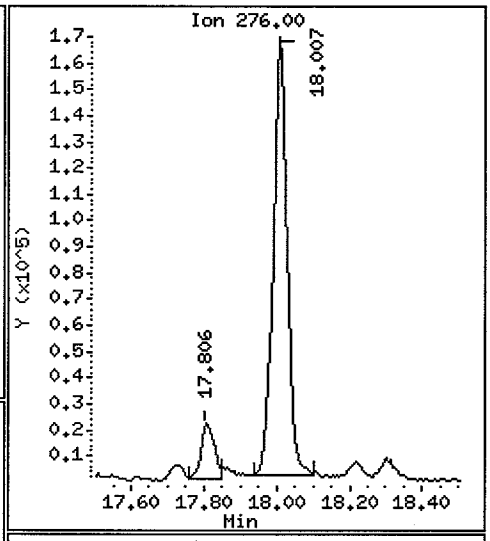
Concentration: 6366 ug/kg

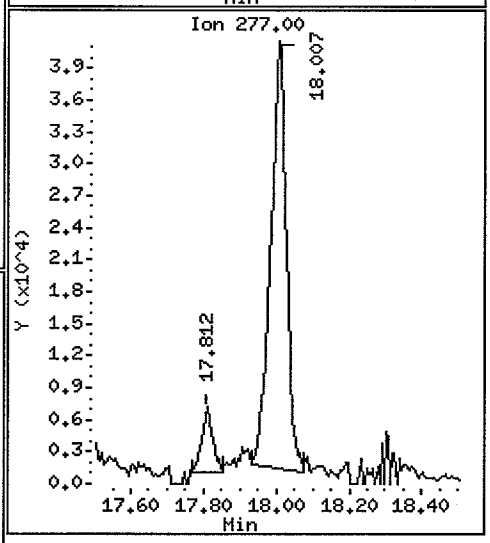












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

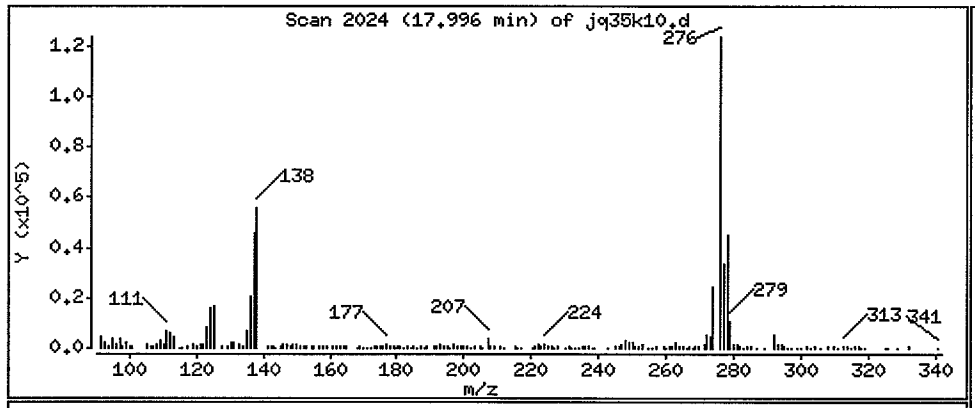
Operator: VTS

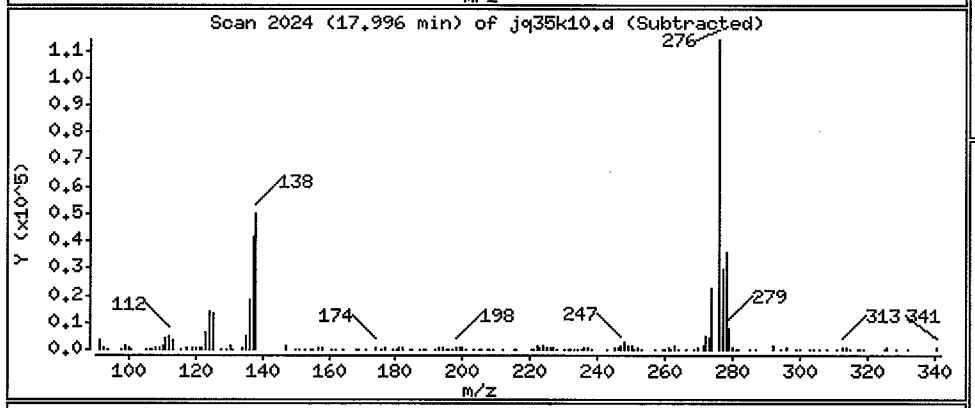
Column phase: ZB-5

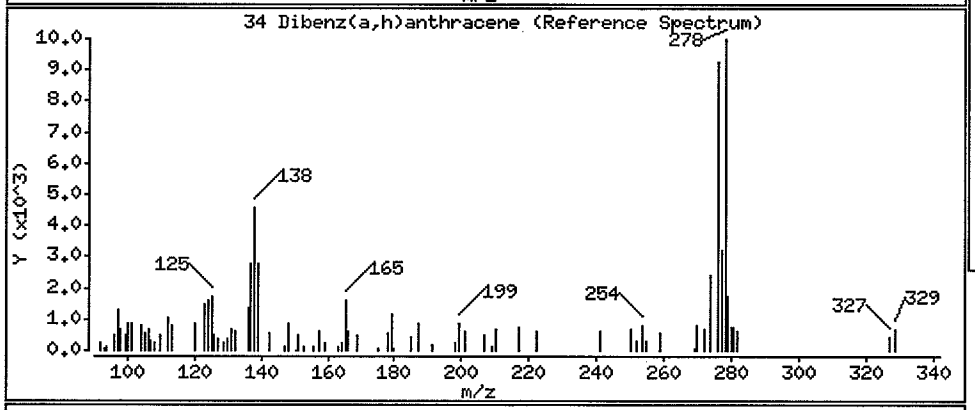
Column diameter: 0.25

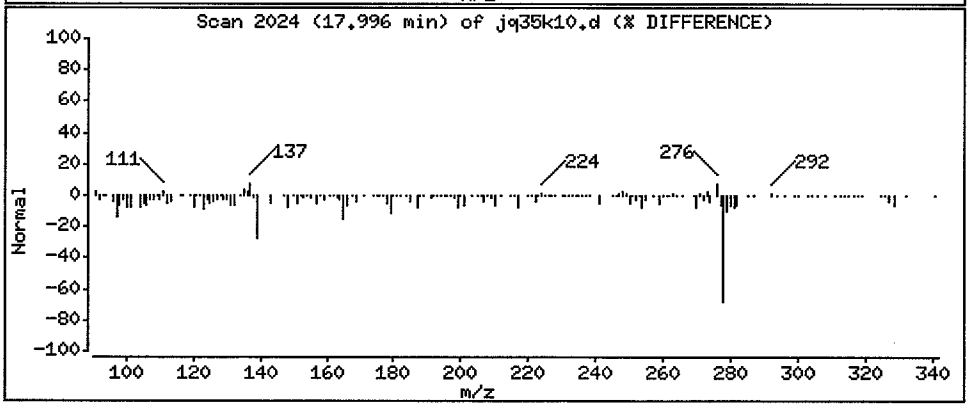
34 Dibenz(a,h)anthracene

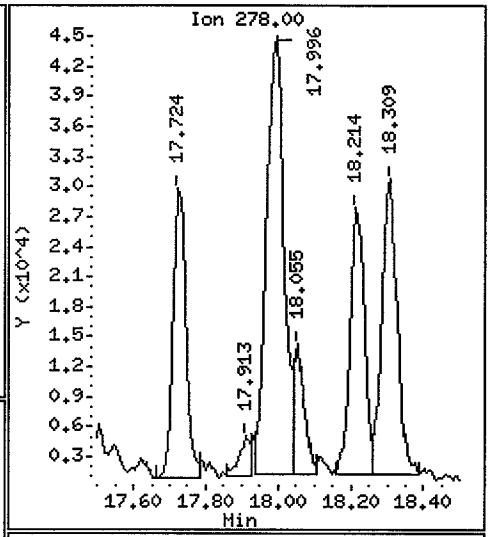
Concentration: 2633 ug/kg

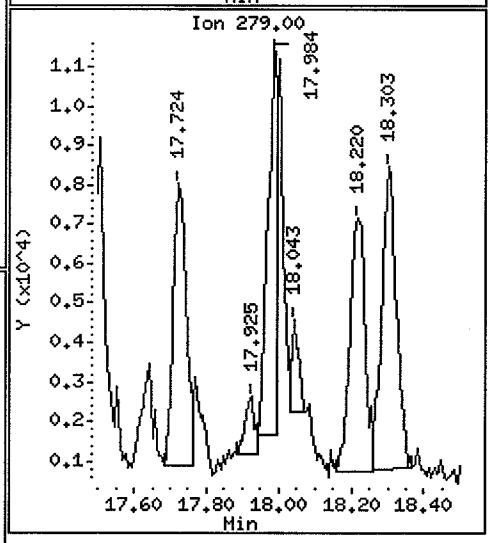












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

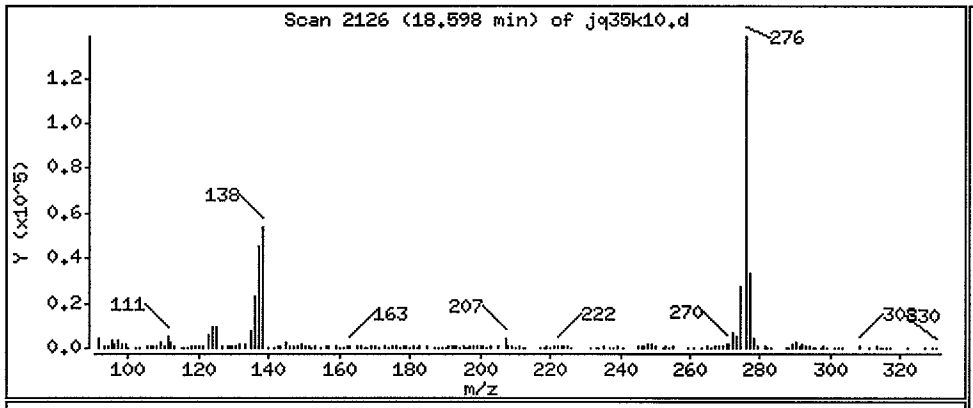
Operator: VTS

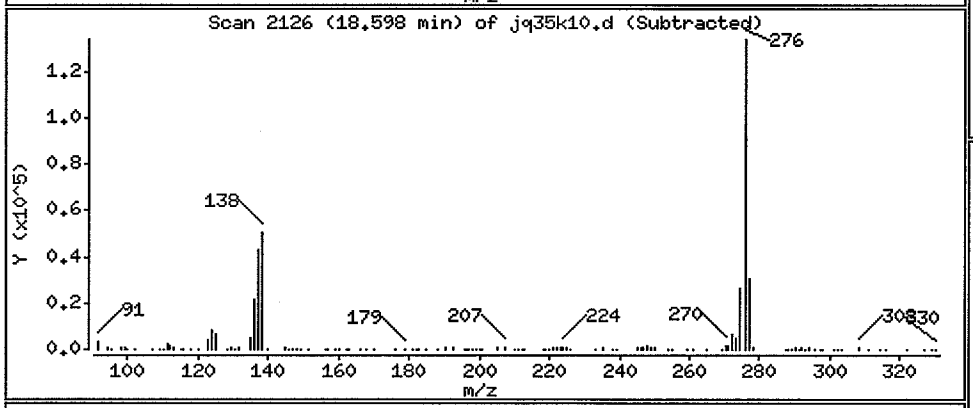
Column phase: ZB-5

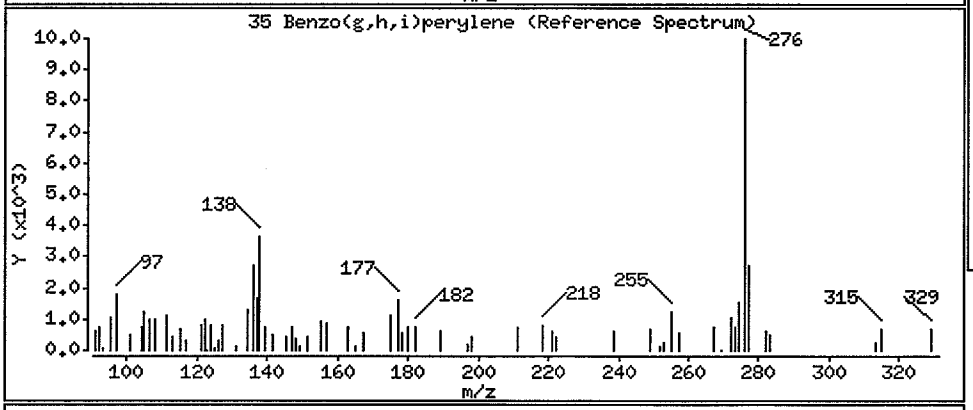
Column diameter: 0.25

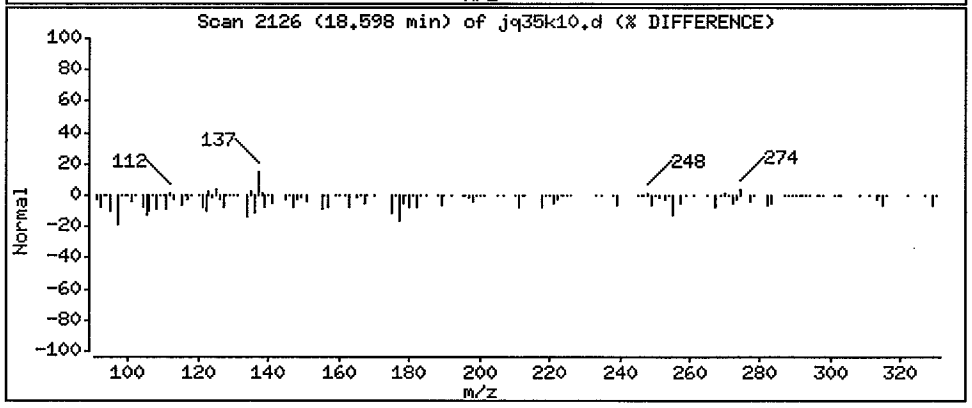
35 Benzo(g,h,i)perylene

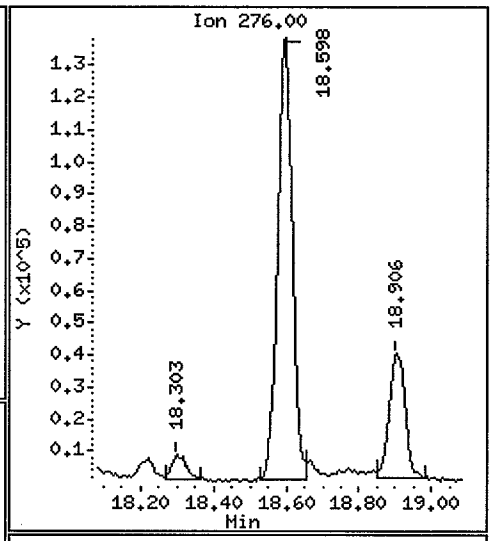
Concentration: 6671 ug/kg

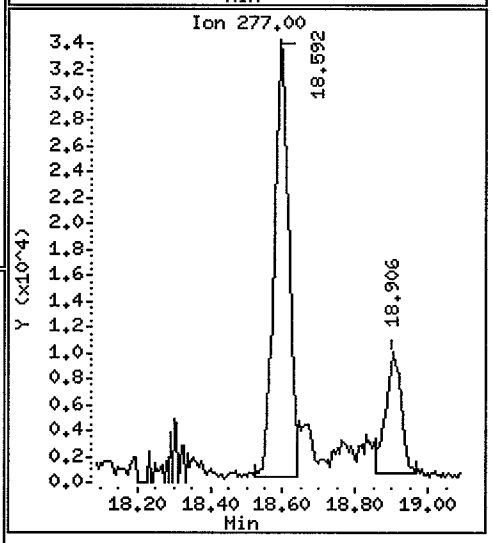












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

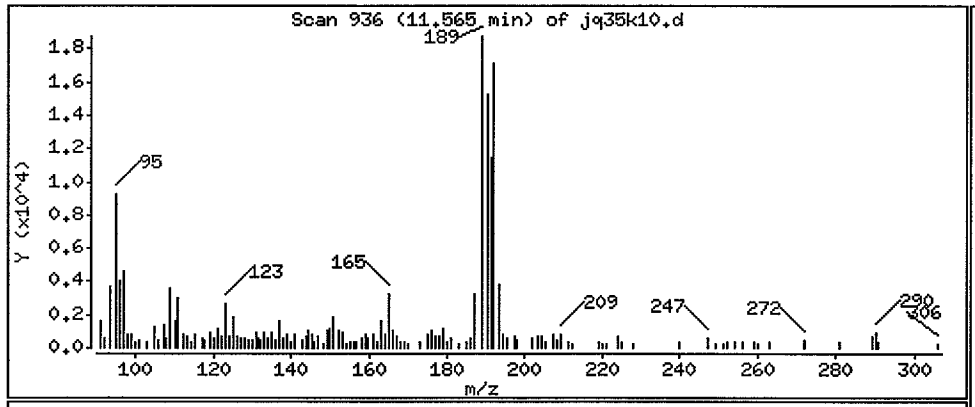
Operator: VTS

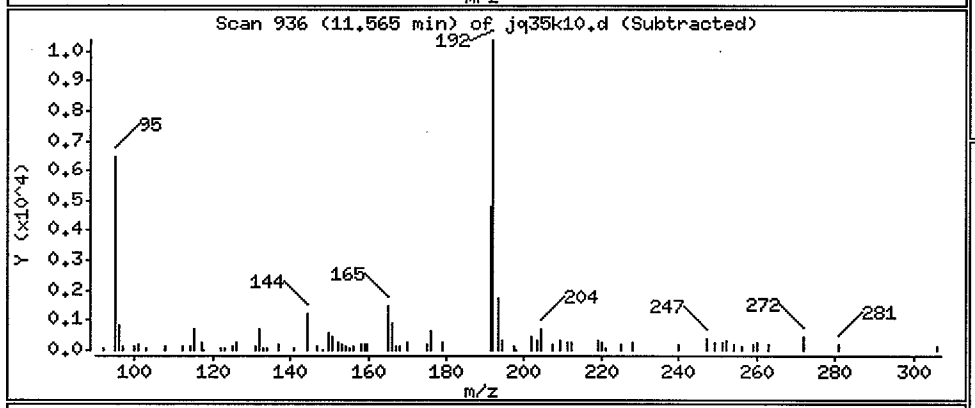
Column phase: ZB-5

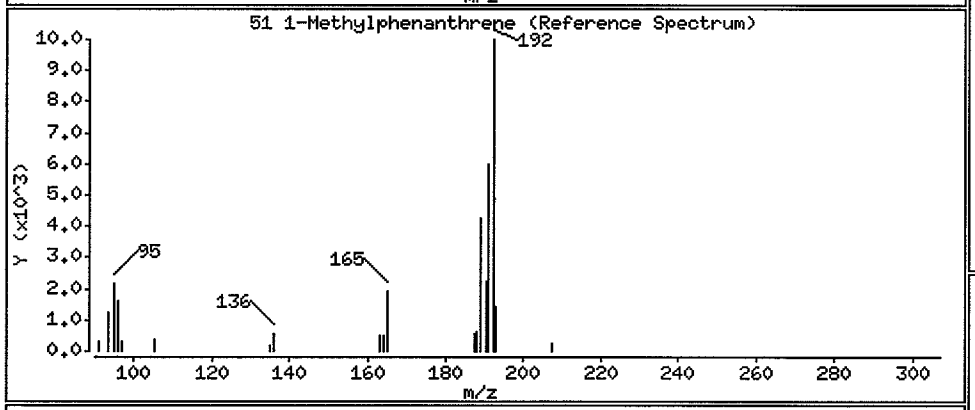
Column diameter: 0.25

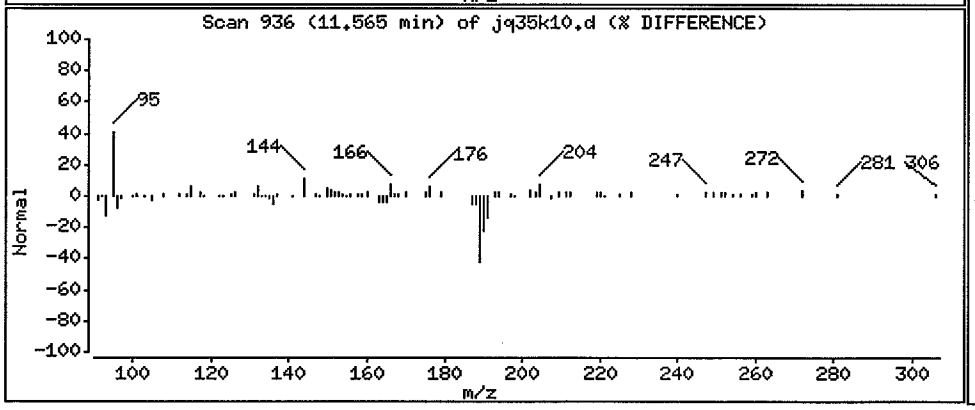
51 1-Methylphenanthrene

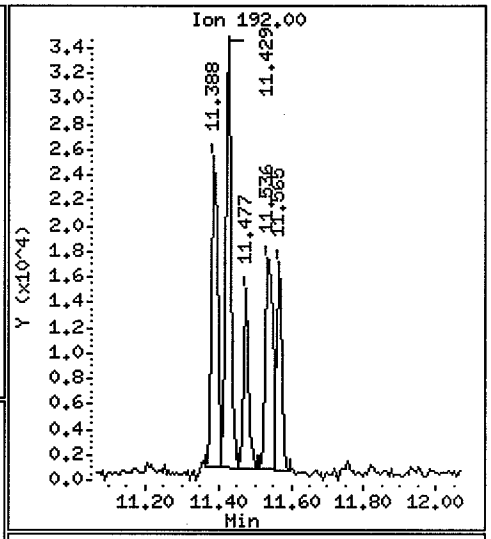
Concentration: 432.2 ug/kg

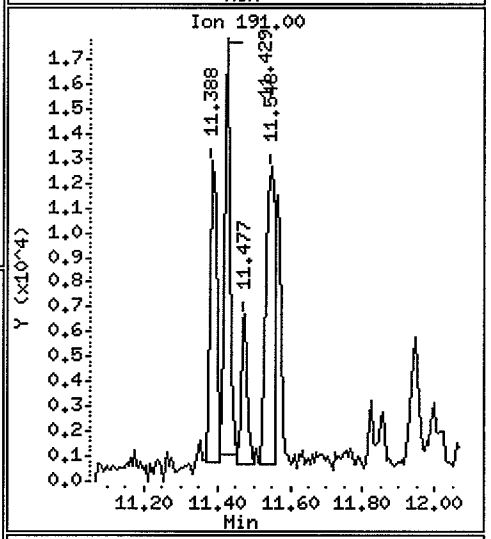


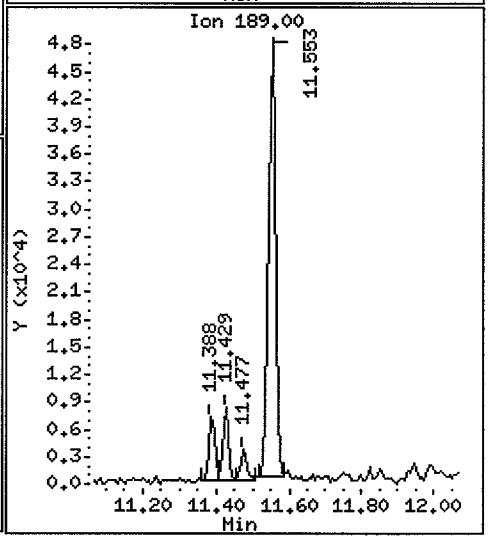












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

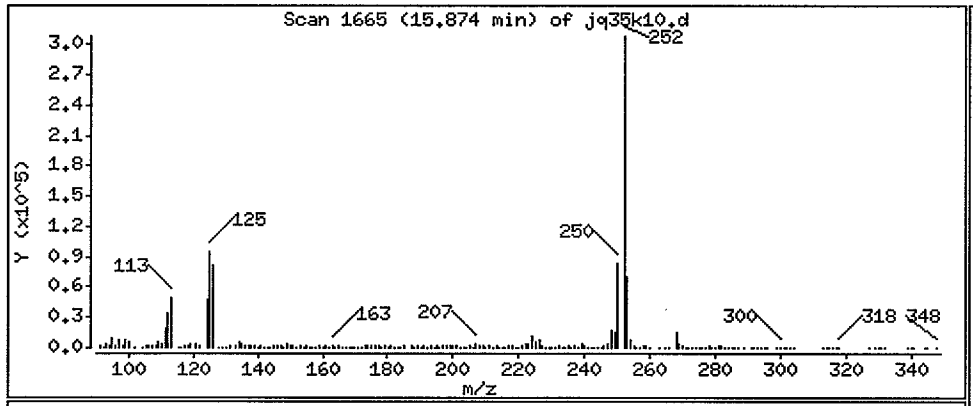
Operator: VTS

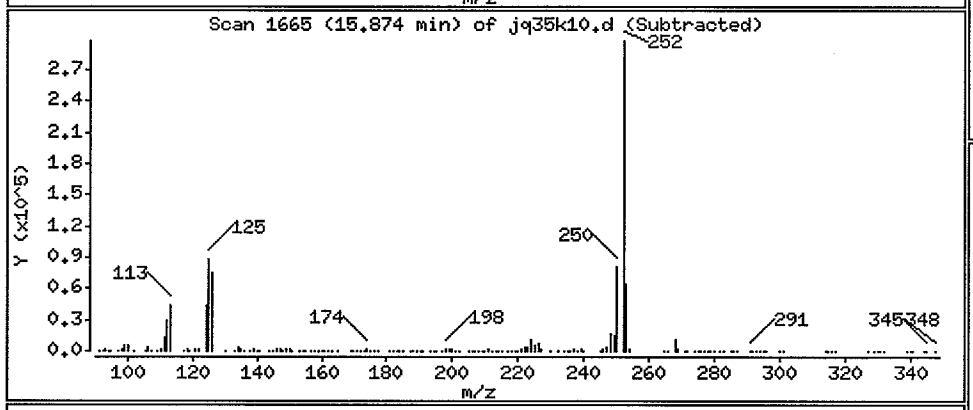
Column phase: ZB-5

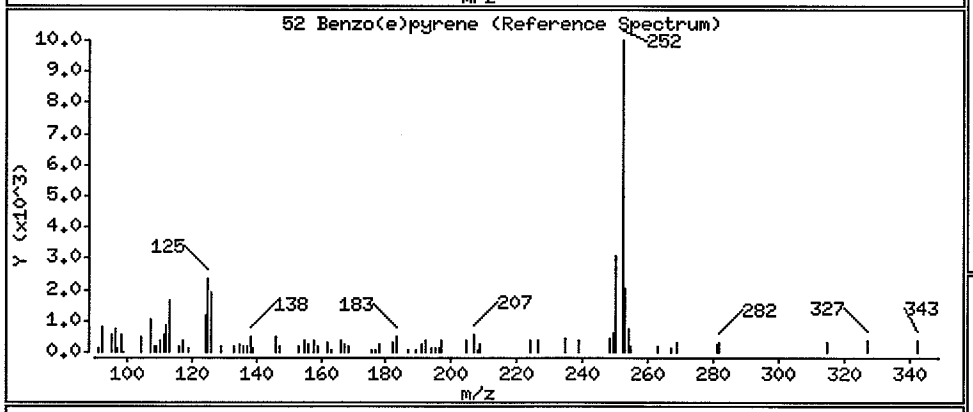
Column diameter: 0.25

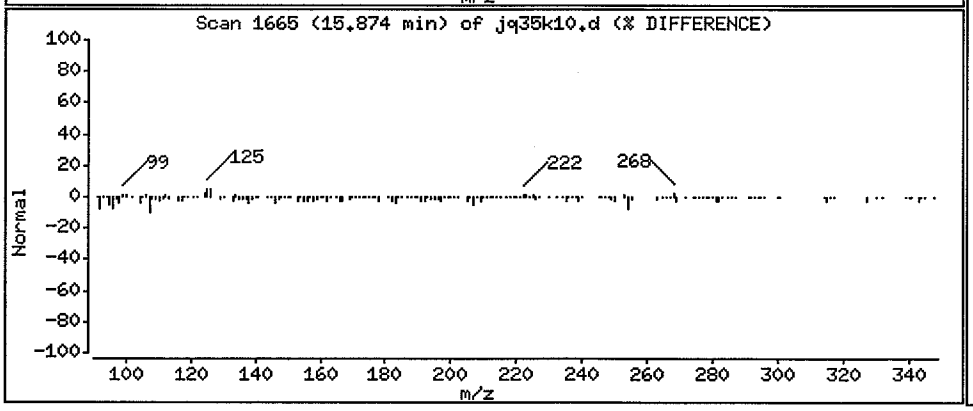
52 Benzo(e)pyrene

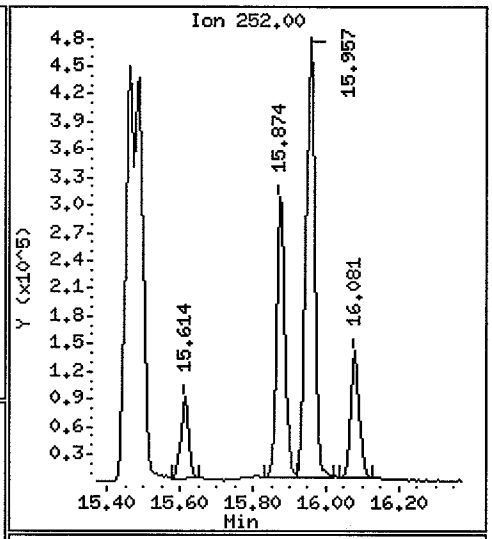
Concentration: 7525 ug/kg

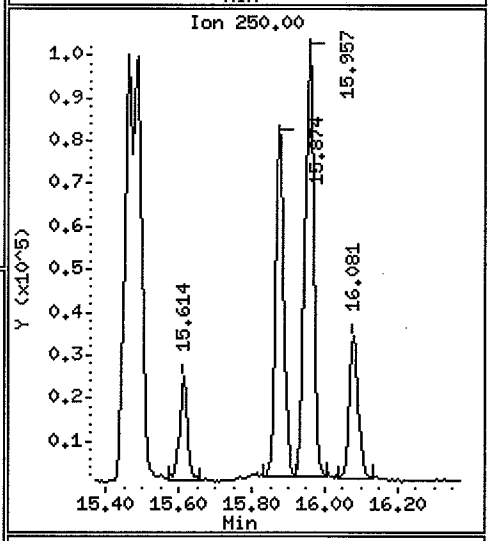


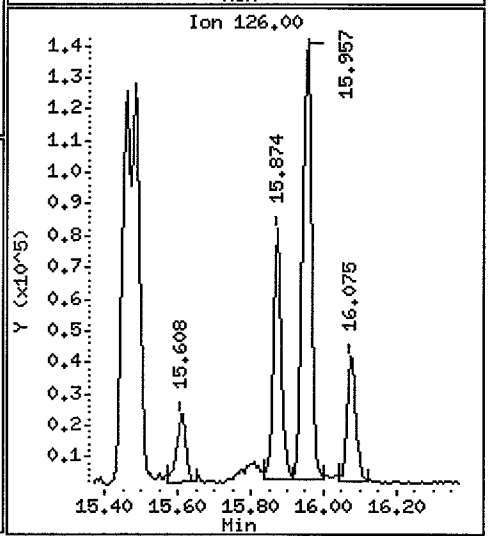












Data File: /chem3/nt1.i/20060807.b/jq35k10.d

Date : 07-AUG-2006 18:42

Client ID: T4-S3-05-H

Instrument: nt1.i

Sample Info: JQ35K,10

Volume Injected (uL): 1.0

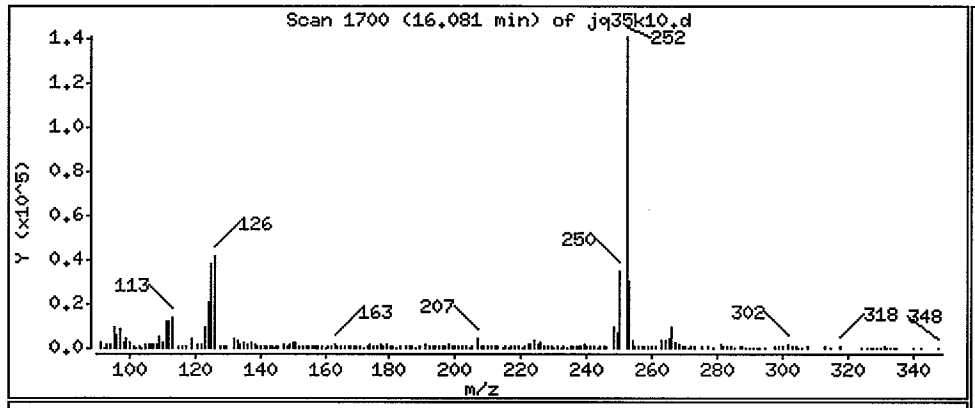
Operator: VTS

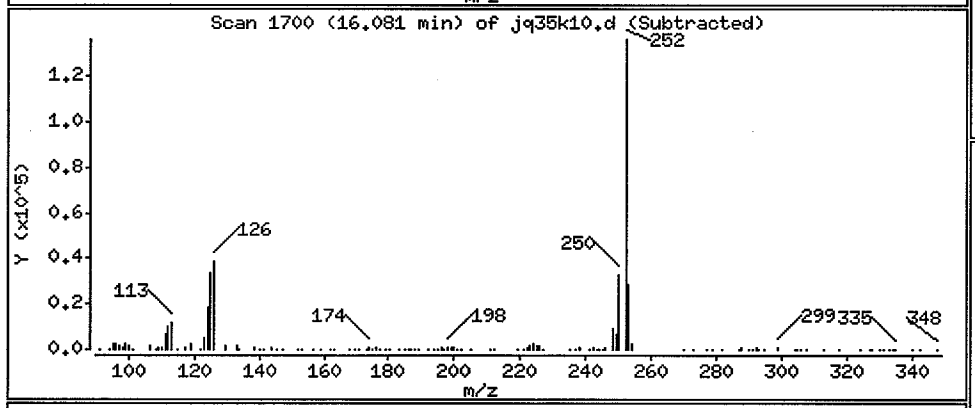
Column phase: ZB-5

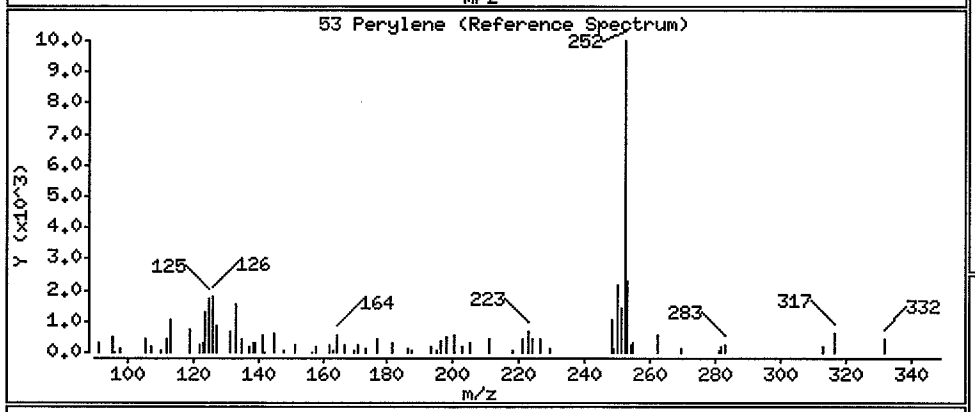
Column diameter: 0.25

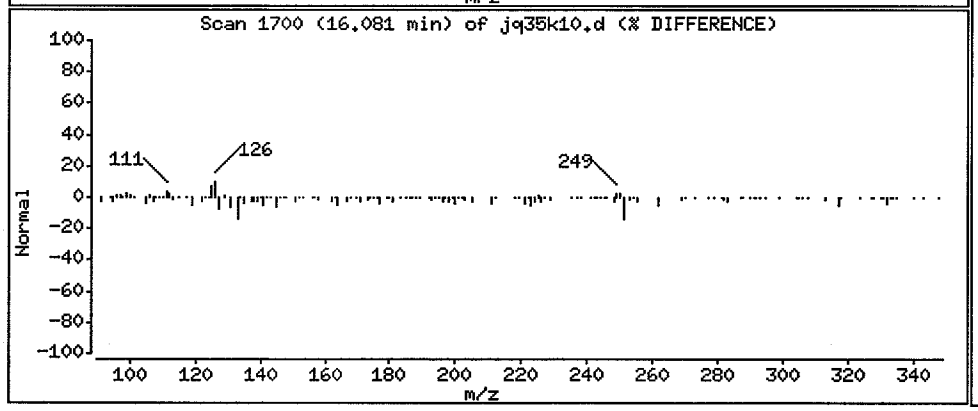
53 Perylene

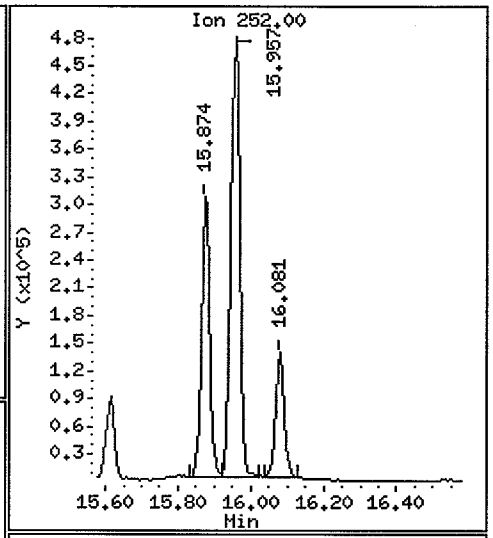
Concentration: 3621 ug/kg

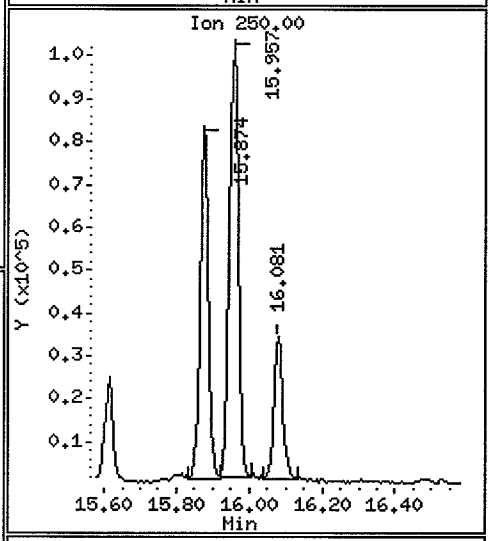


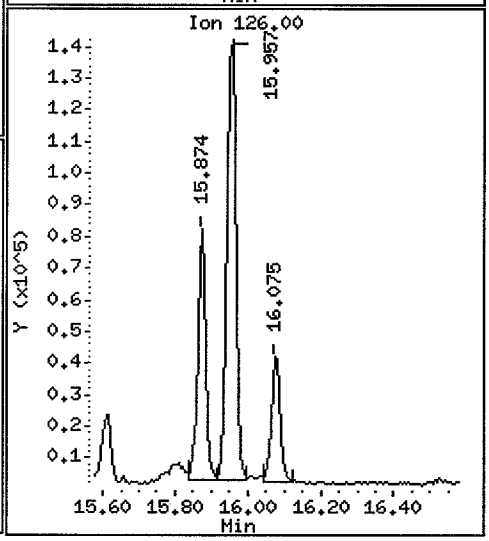












ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-05-J
SAMPLE

Lab Sample ID: JQ35L
LIMS ID: 06-12967
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/08/06 12:21
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: 2.00
Percent Moisture: 20.2%
pH: 6.0

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**9.6**	**14**
91-57-6	2-Methylnaphthalene	9.6	< 9.6 U
90-12-0	1-Methylnaphthalene	9.6	< 9.6 U
208-96-8	Acenaphthylene	9.6	< 9.6 U
83-32-9	**Acenaphthene**	**9.6**	**62**
86-73-7	**Fluorene**	**9.6**	**26**
85-01-8	**Phenanthrene**	**9.6**	**230**
120-12-7	**Anthracene**	**9.6**	**57**
206-44-0	**Fluoranthene**	**9.6**	**510**
129-00-0	**Pyrene**	**9.6**	**490**
56-55-3	**Benzo(a)anthracene**	**9.6**	**330**
218-01-9	**Chrysene**	**9.6**	**390**
205-99-2	**Benzo(b)fluoranthene**	**9.6**	**400**
207-08-9	**Benzo(k)fluoranthene**	**9.6**	**350**
50-32-8	**Benzo(a)pyrene**	**9.6**	**430**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**9.6**	**270**
53-70-3	**Dibenz(a,h)anthracene**	**9.6**	**100**
191-24-2	**Benzo(g,h,i)perylene**	**9.6**	**310**
198-55-0	**Perylene**	**9.6**	**120**
92-52-4	Biphenyl	9.6	< 9.6 U
581-42-0	2,6-Dimethylnaphthalene	9.6	< 9.6 U
832-69-9	**1-Methylphenanthrene**	**9.6**	**19**
192-97-2	**Benzo(e)pyrene**	**9.6**	**250**
2245-38-7	2,3,5-Trimethylnaphthalene	9.6	< 9.6 U

Reported in μg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	58.4%
d14-Dibenzo(a,h)anthracen	67.3%

YZ 8/9/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060808.b/jq35l2.d
Lab Smp Id: JQ35L
Client Smp ID: T4-S3-05-J
Inj Date : 08-AUG-2006 12:21
Operator : VTS
Inst ID: nt1.i
Smp Info : JQ35L,2
Misc Info : 06-12967
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: 6
Dil Factor: 2.00000
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	2.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	13.00000	Weight of sample extracted (g)
M	20.20000	% 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	6.879	6.884	(1.000)	282317	2.00000	
2 Naphthalene	128	6.903	6.907	(1.003)	20334	0.14440	13.92
$ 3 2-Methylnaphthalene-d10	152	7.642	7.640	(1.111)	63726	0.87637	84.48
4 2-Methylnaphthalene	142	7.677	7.676	(1.116)	5913	0.07090 J	6.835
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.942	8.946	(1.000)	150556	2.00000	
9 Acenaphthene	153	8.983	8.982	(1.005)	47659	0.64469	62.14
10 Dibenzofuran	168	9.172	9.171	(1.026)	11217	0.10301	9.930
11 Fluorene	166	9.598	9.596	(1.073)	22993	0.27124	26.15
* 15 Phenanthrene-d10	188	10.756	10.755	(1.000)	232914	2.00000	
16 Phenanthrene	178	10.786	10.784	(1.003)	290480	2.42976	234.2
17 Anthracene	178	10.839	10.843	(1.008)	70201	0.58760	56.64
19 Fluoranthene	202	12.281	12.280	(1.142)	645782	5.29594	510.5

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)	652641	5.09339	491.0
22 Benzo(a)anthracene	228	14.048	14.047	(0.998)	412611	3.43372	331.0
* 23 Chrysene-d12	240	14.072	14.070	(1.000)	199547	2.00000	
24 Chrysene	228	14.101	14.100	(1.002)	444471	4.01023	386.6
28 Benzo(b)fluoranthene	252	15.449	15.441	(0.964)	495467	4.13550	398.6
29 Benzo(k)fluoranthene	252	15.473	15.477	(0.966)	463096	3.62567	349.5
30 Benzo(a)pyrene	252	15.939	15.938	(0.995)	525868	4.50456	434.2
* 31 Perylene-d12	264	16.022	16.021	(1.000)	212284	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	17.984	17.989	(1.122)	374729	2.79123	269.1
$ 32 Dibenz(a,h)anthrancene-d14	292	17.908	17.912	(1.118)	81935	1.00855	97.22
34 Dibenz(a,h)anthracene	278	17.973	17.977	(1.122)	116096	1.05855	102.0
35 Benzo(g,h,i)perylene	276	18.575	18.568	(1.159)	362445	3.24777	313.1
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	11.560	11.559	(0.822)	16003	0.19592	18.89
52 Benzo(e)pyrene	252	15.863	15.861	(0.990)	334432	2.58802	249.5
53 Perylene	252	16.064	16.068	(1.003)	153024	1.26121	121.6

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq35l2.d
Lab Smp Id: JQ35L
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060808.b/simpna.m
Misc Info: 06-12967

Calibration Date: 08-AUG-2006
Calibration Time: 09:27
Client Smp ID: T4-S3-05-J
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	260380	130190	520760	282317	8.42
8 Acenaphthene-d10	135690	67845	271380	150556	10.96
15 Phenanthrene-d10	210931	105466	421862	232914	10.42
23 Chrysene-d12	190595	95298	381190	199547	4.70
31 Perylene-d12	193807	96904	387614	212284	9.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.06
8 Acenaphthene-d10	8.95	8.45	9.45	8.94	-0.05
15 Phenanthrene-d10	10.75	10.25	11.25	10.76	0.01
23 Chrysene-d12	14.07	13.57	14.57	14.07	0.01
31 Perylene-d12	16.02	15.52	16.52	16.02	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

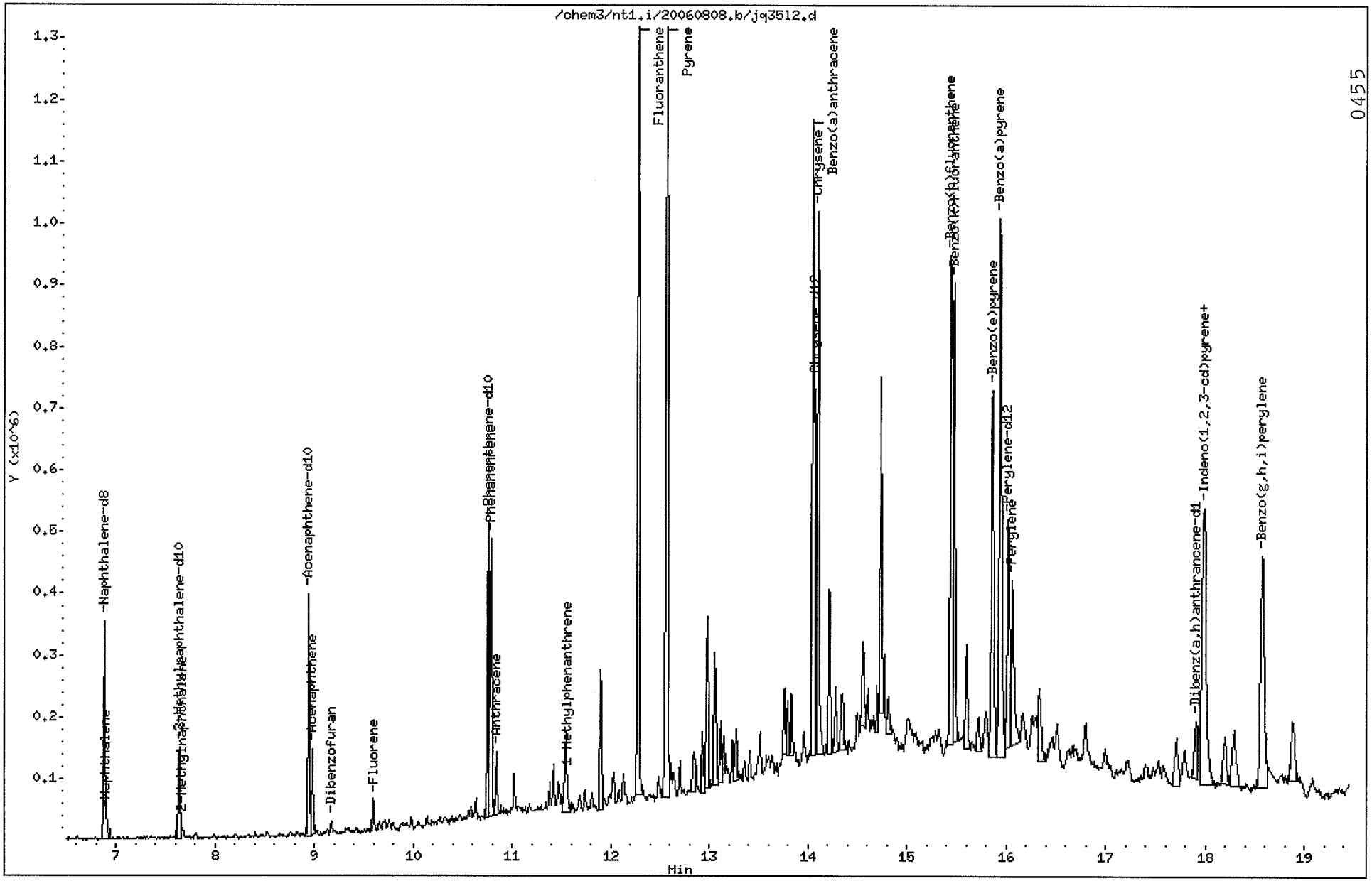
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35L
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060808.b/simpna.m
Misc Info: 06-12967

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-05-J
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	144.6	84.48	58.42	32-97
$ 32 Dibenz(a,h)anthran	144.6	97.22	67.24	21-105

Data File: /chem3/nt1.i/20060808.b/jq3512.d
Date : 08-AUG-2006 12:21
Client ID: T4-S3-05-J
Sample Info: JQ35L,2
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/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

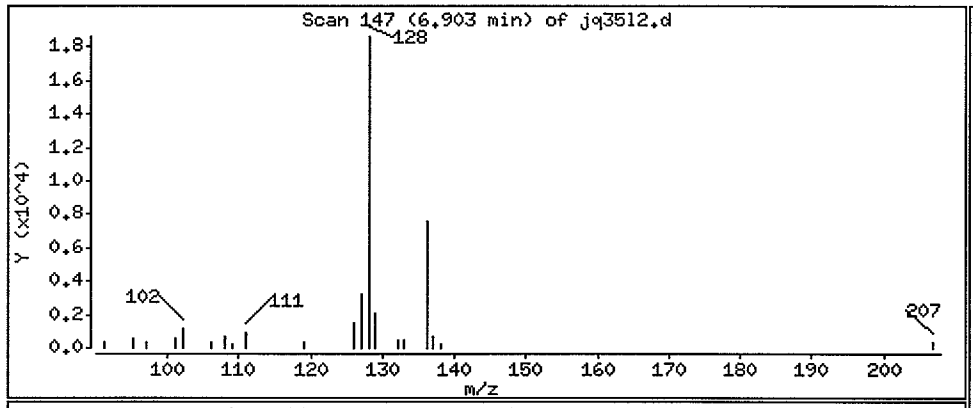
Operator: VTS

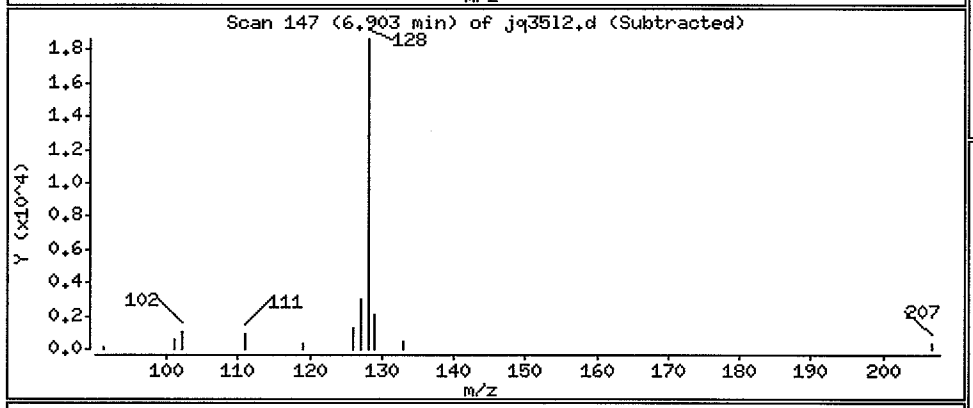
Column phase: ZB-5

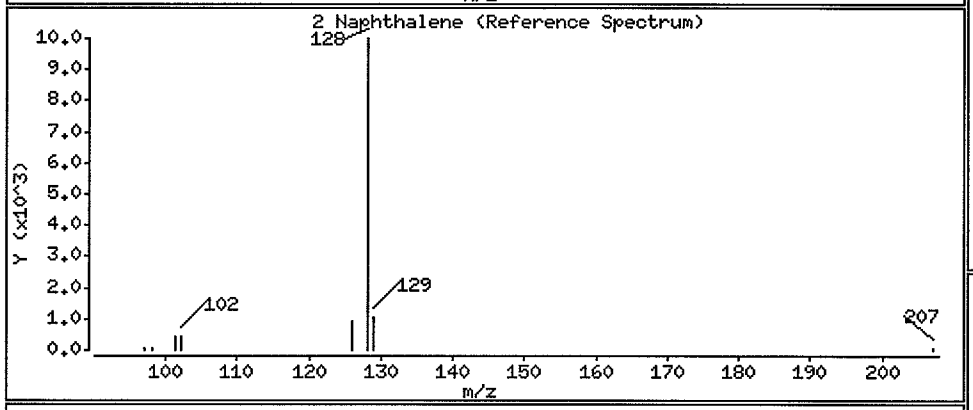
Column diameter: 0.25

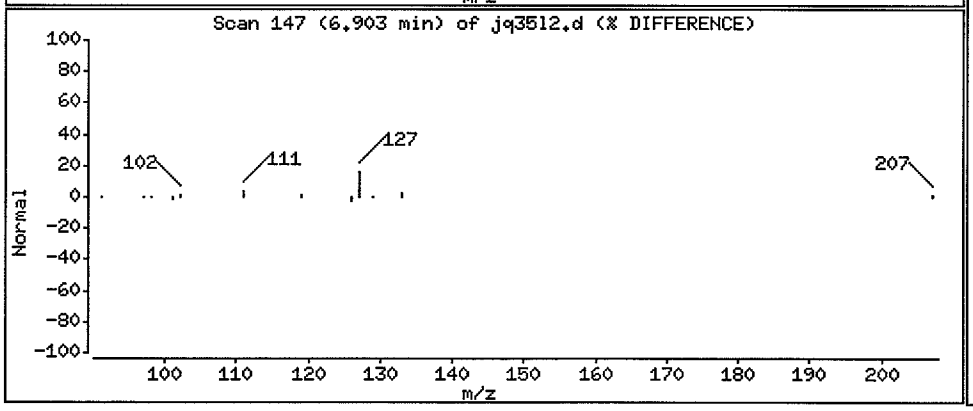
2 Naphthalene

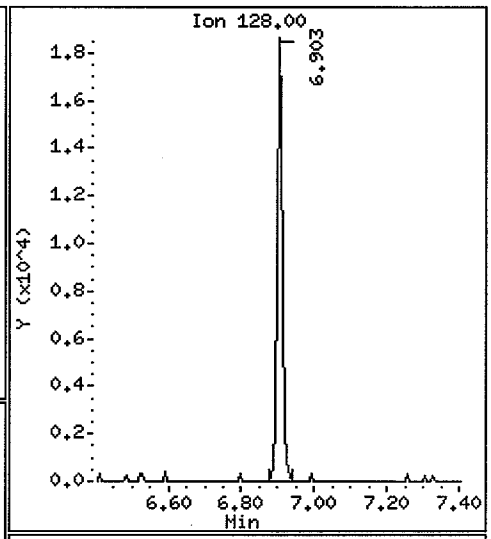
Concentration: 13.92 ug/kg

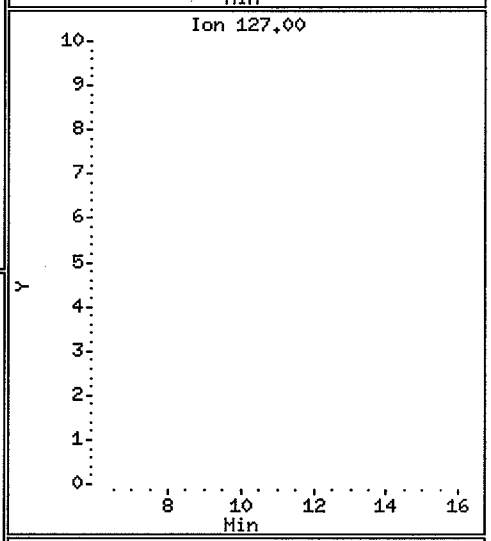


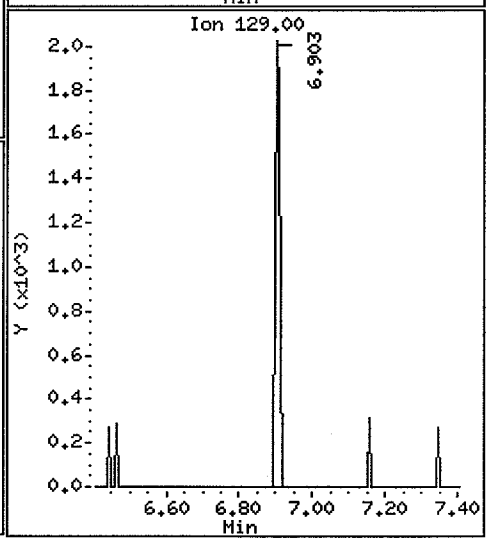












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

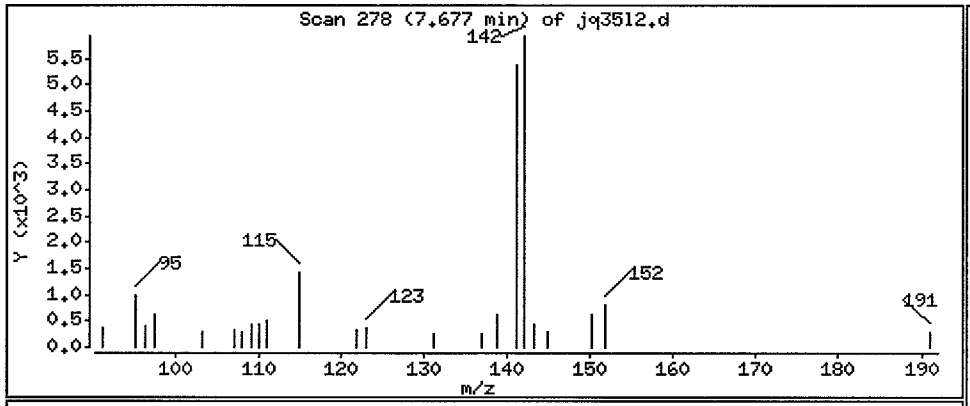
Operator: VTS

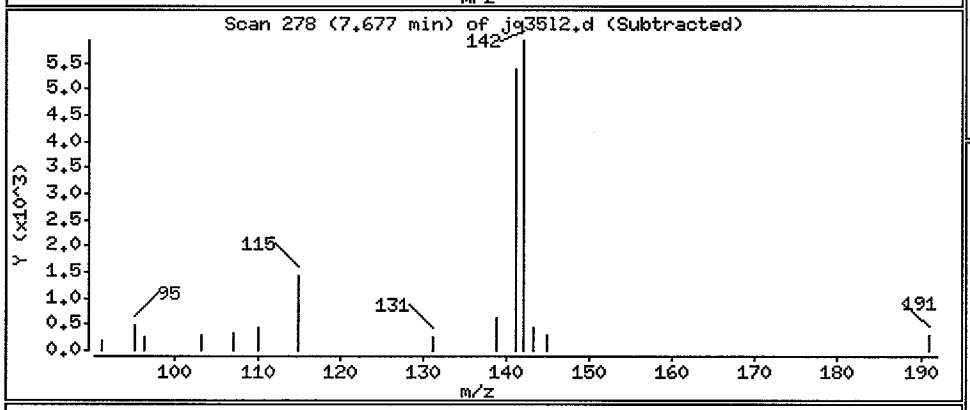
Column phase: ZB-5

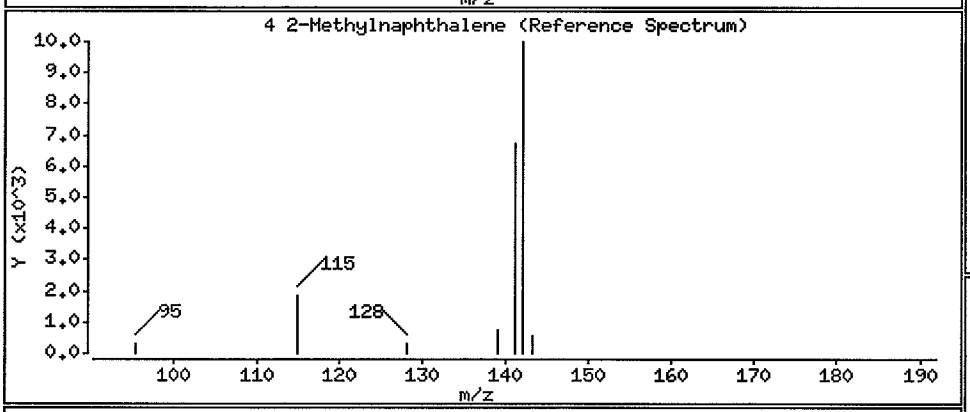
Column diameter: 0.25

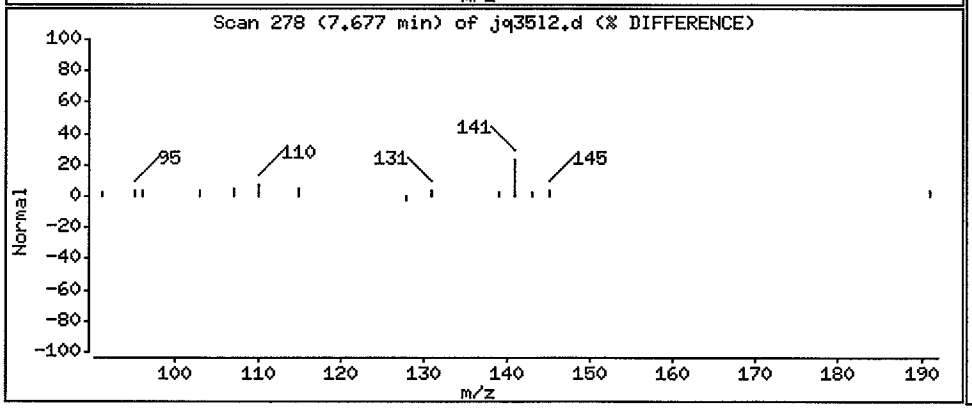
4 2-Methylnaphthalene

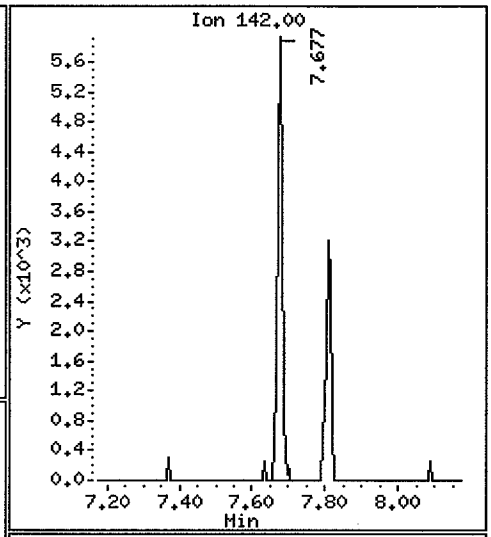
Concentration: 6.835 ug/kg

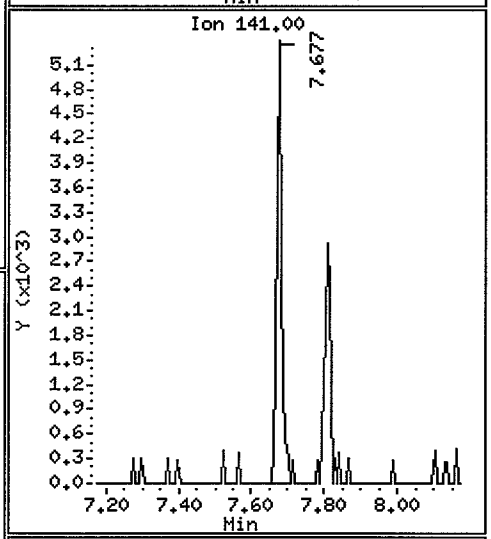


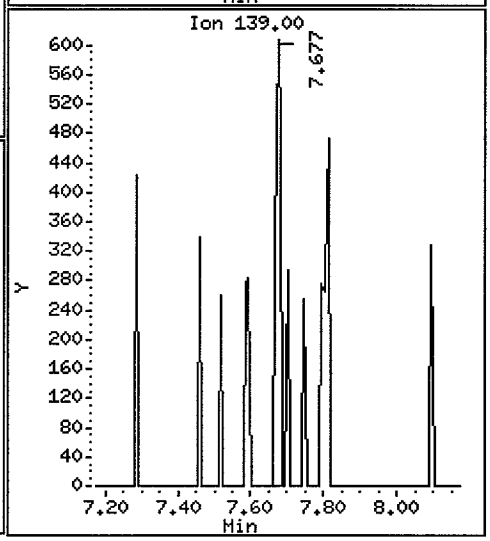












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

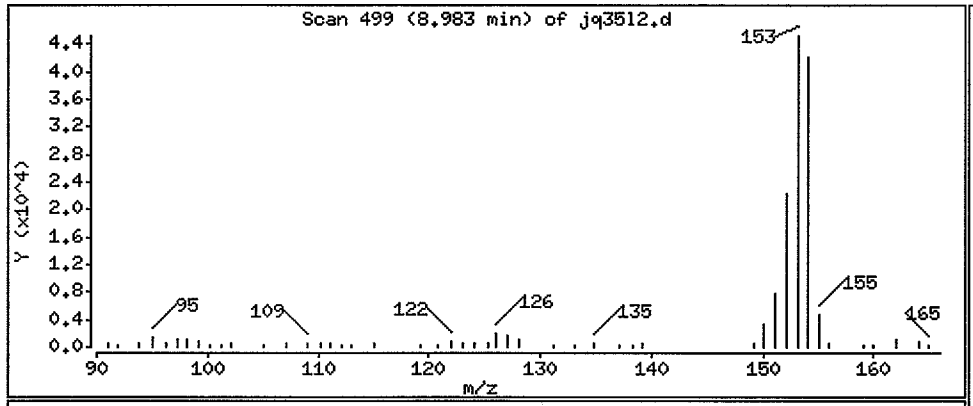
Operator: VTS

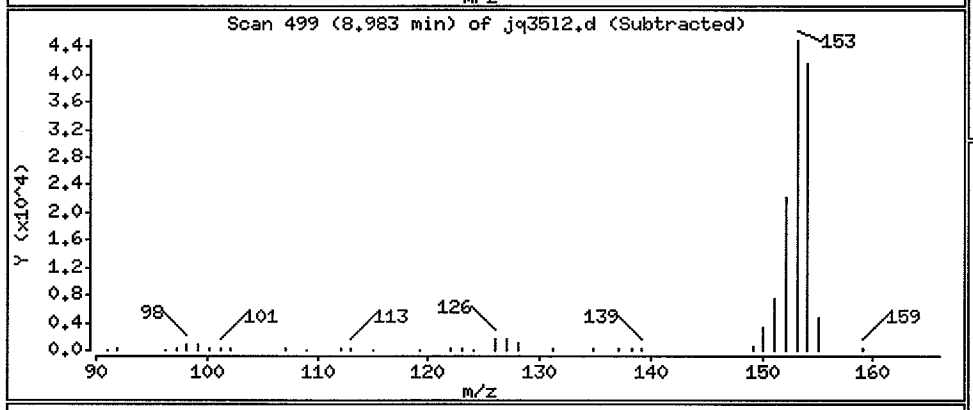
Column phase: ZB-5

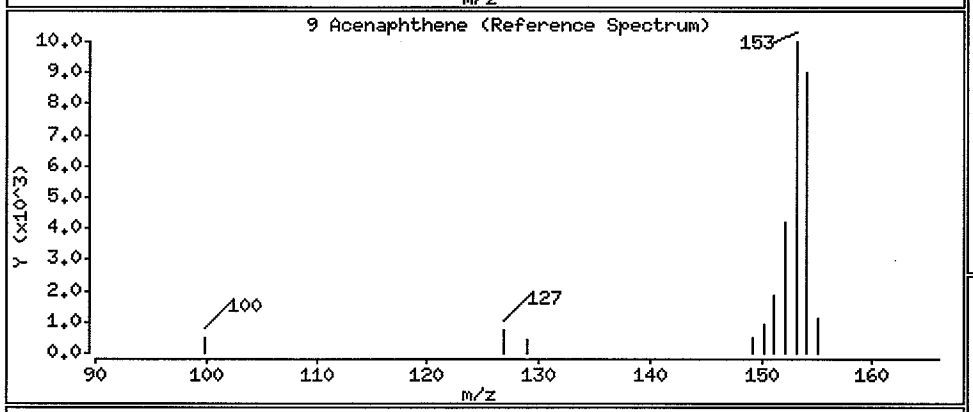
Column diameter: 0.25

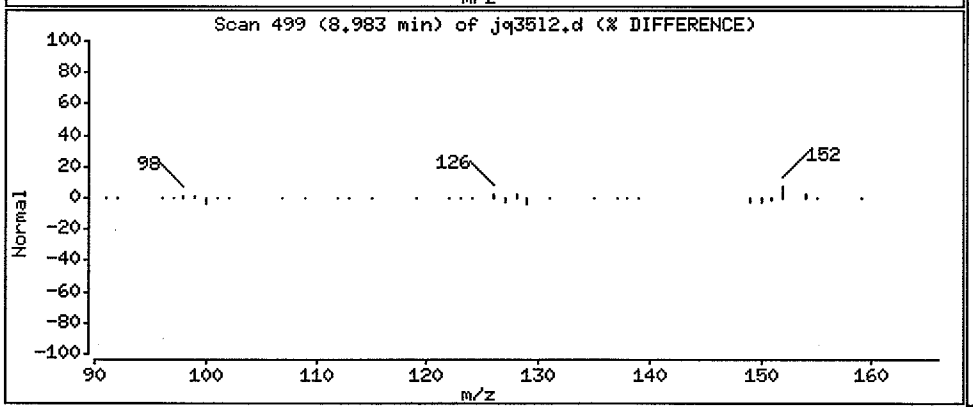
9 Acenaphthene

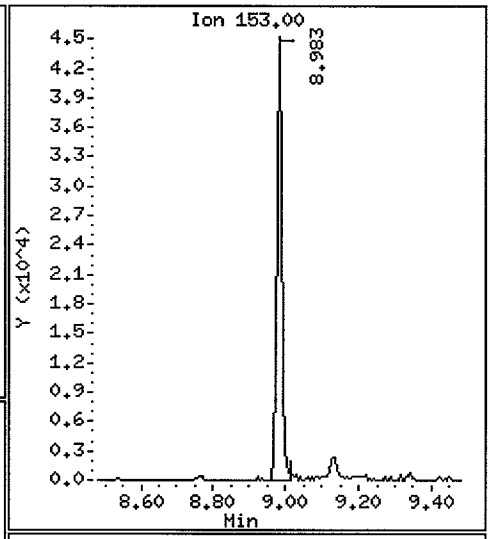
Concentration: 62.14 ug/kg

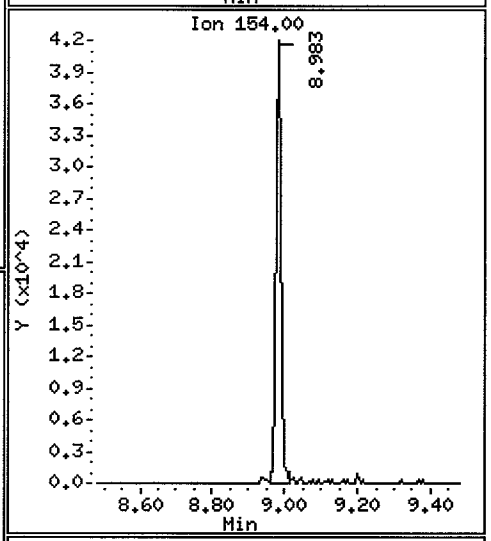


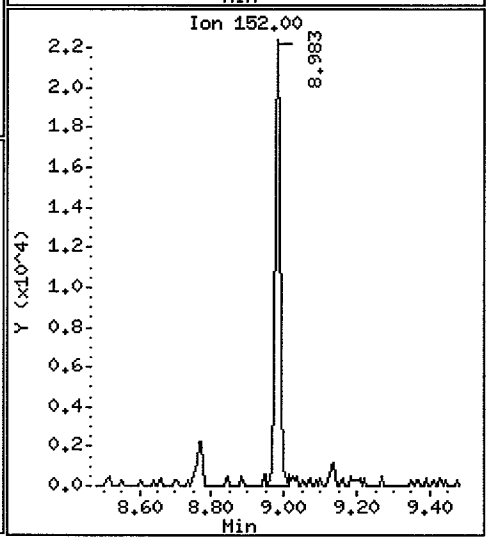












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

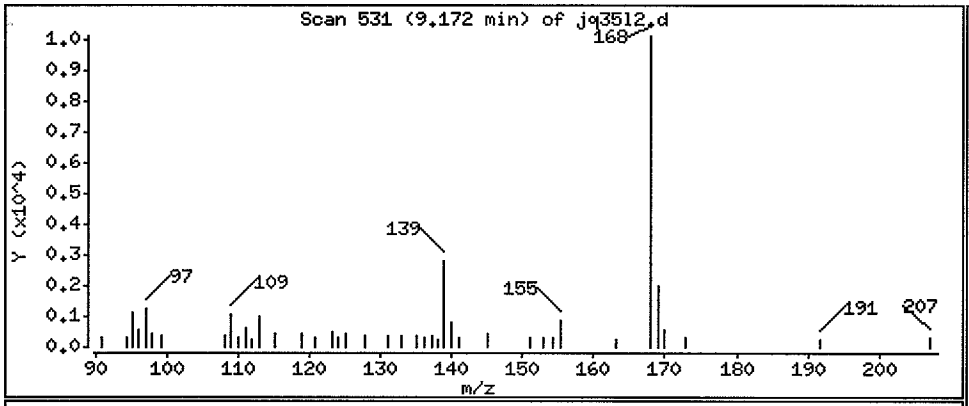
Operator: VTS

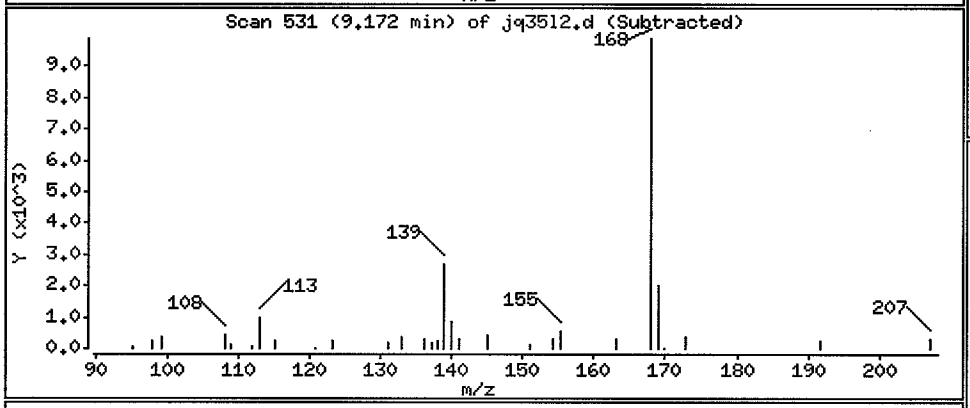
Column phase: ZB-5

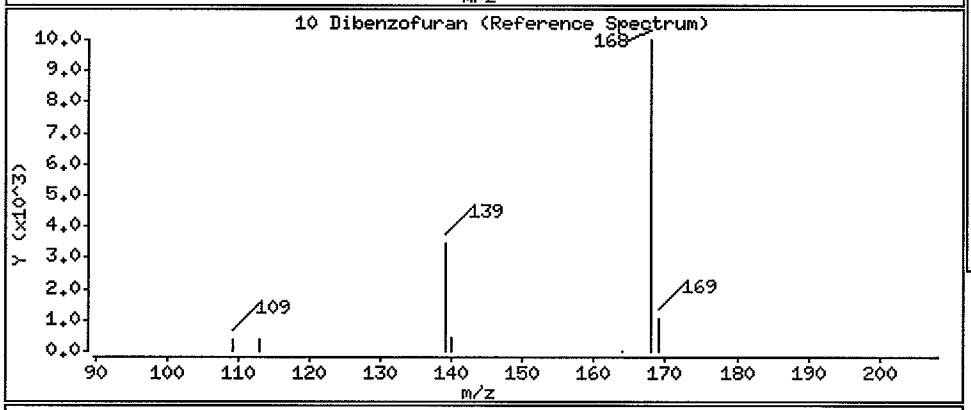
Column diameter: 0.25

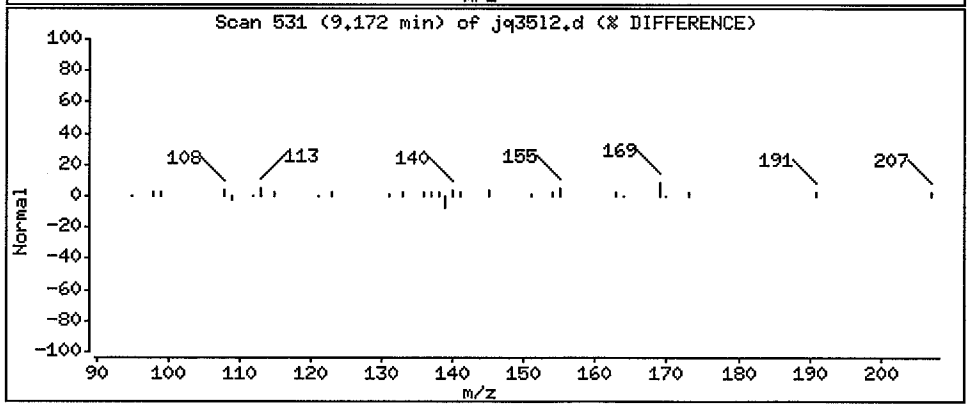
10 Dibenzofuran

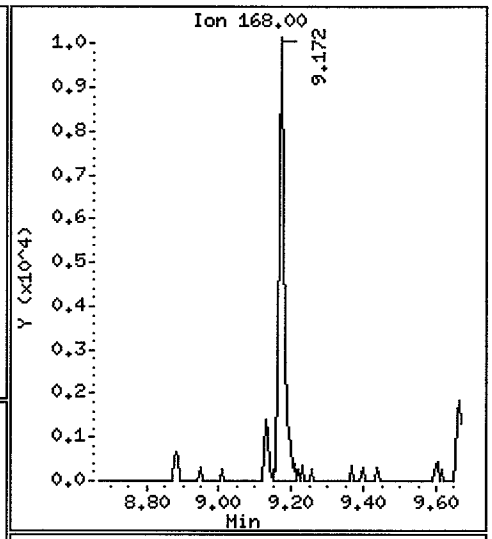
Concentration: 9.930 ug/kg

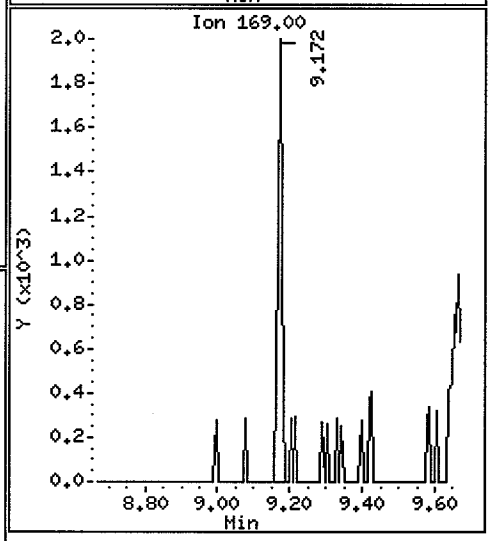












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

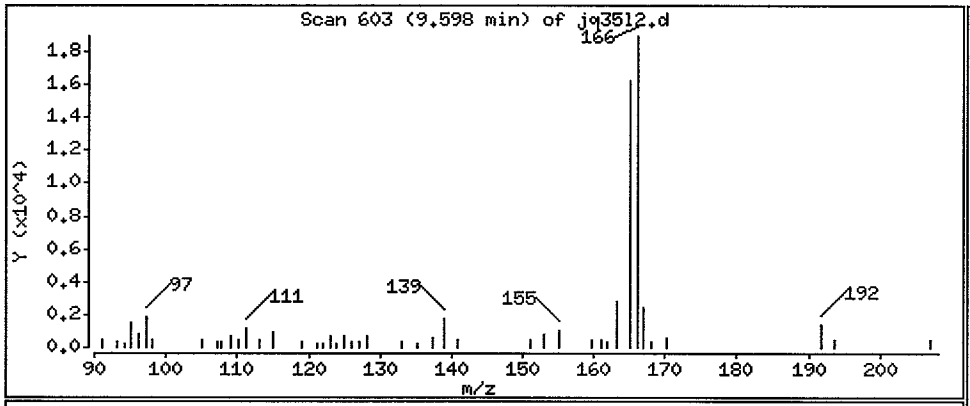
Operator: VTS

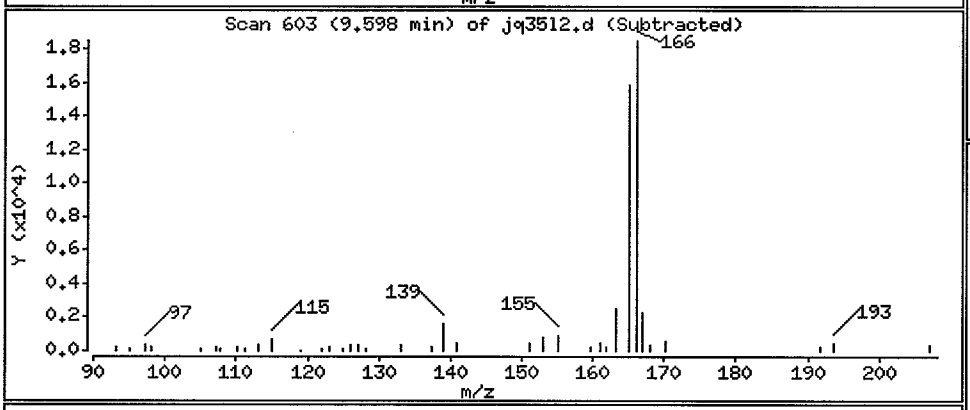
Column phase: ZB-5

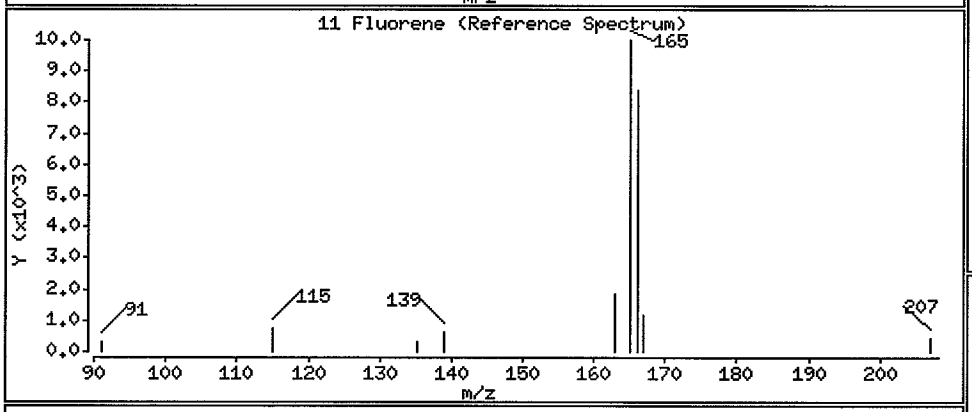
Column diameter: 0.25

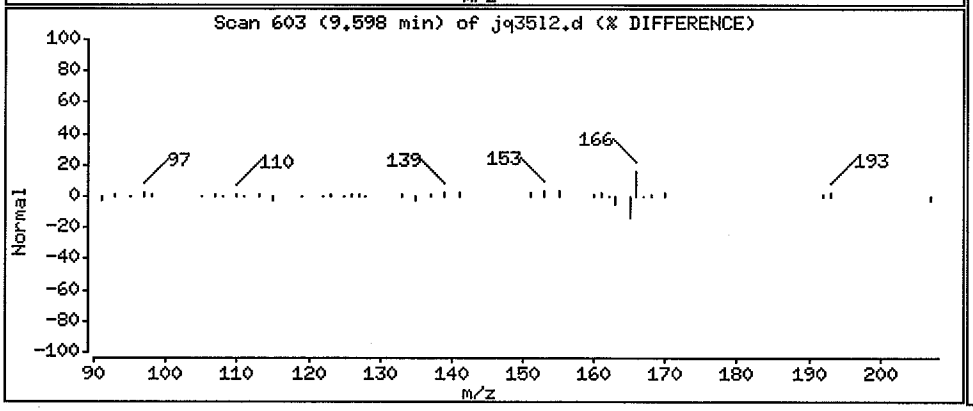
11 Fluorene

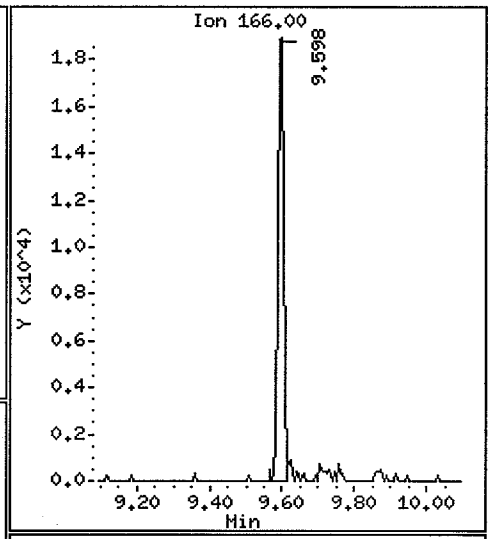
Concentration: 26.15 ug/kg

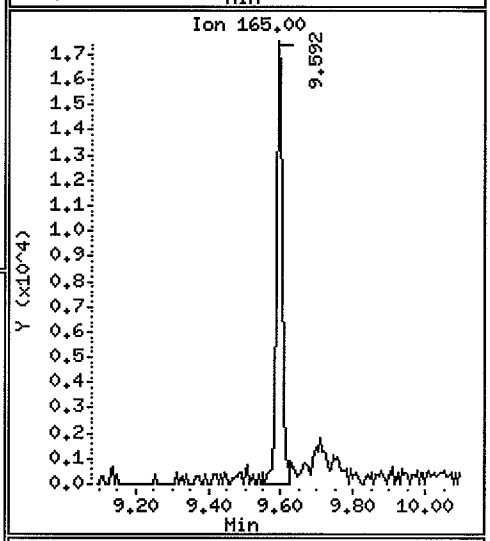


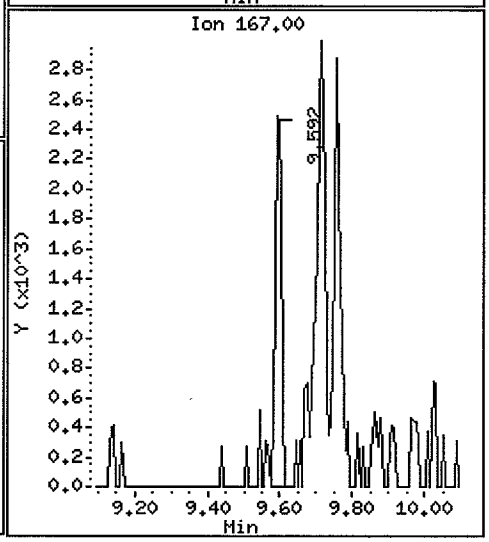












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

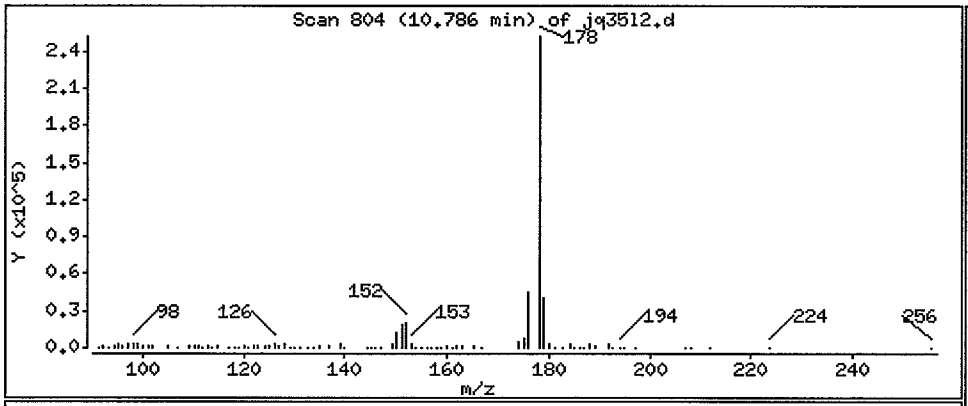
Operator: VTS

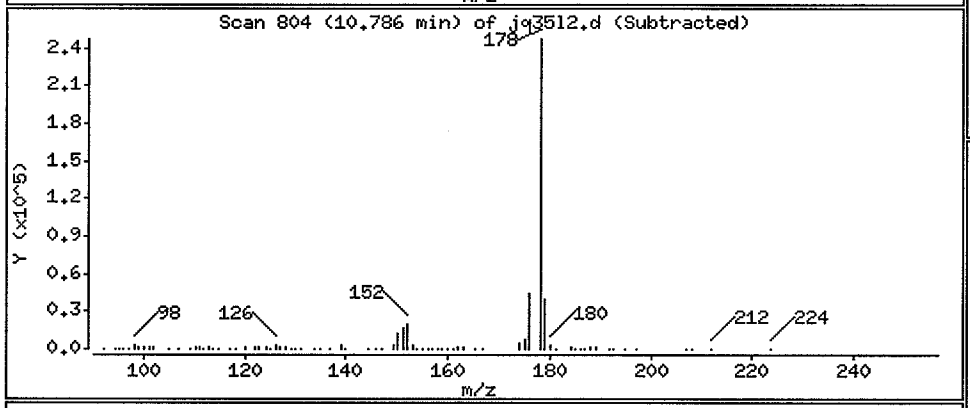
Column phase: ZB-5

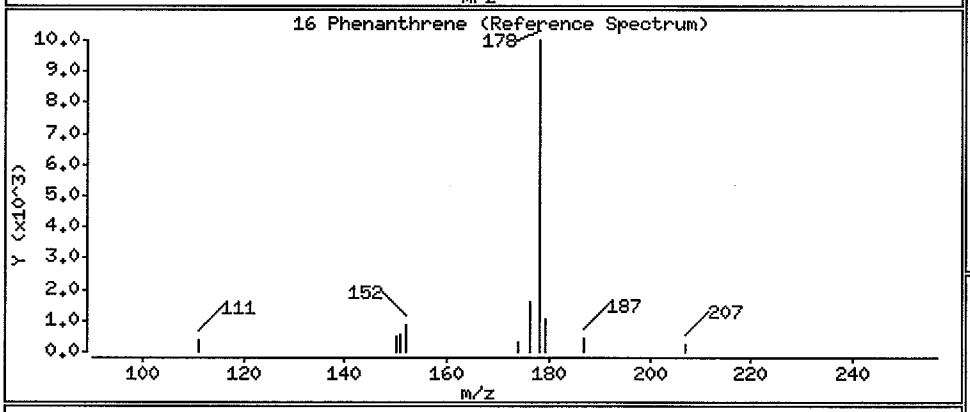
Column diameter: 0.25

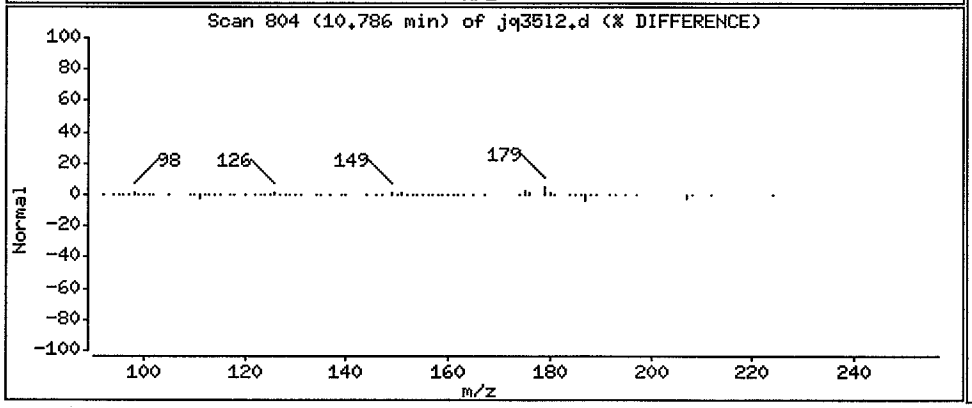
16 Phenanthrene

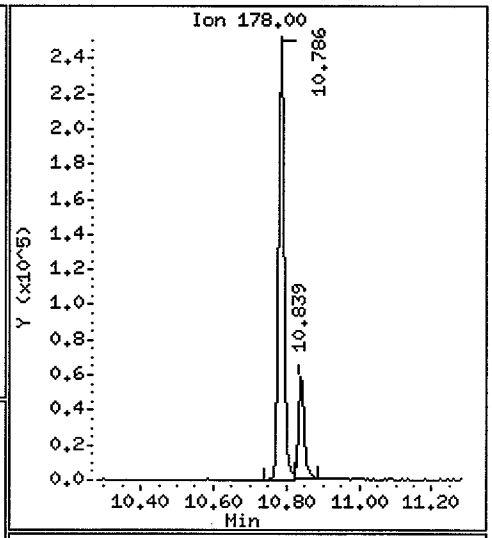
Concentration: 234.2 ug/kg

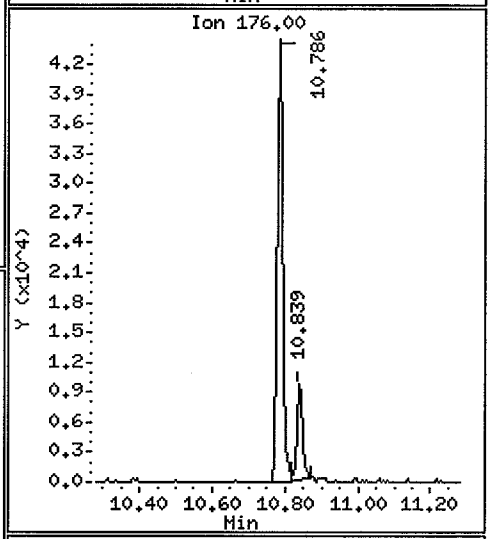


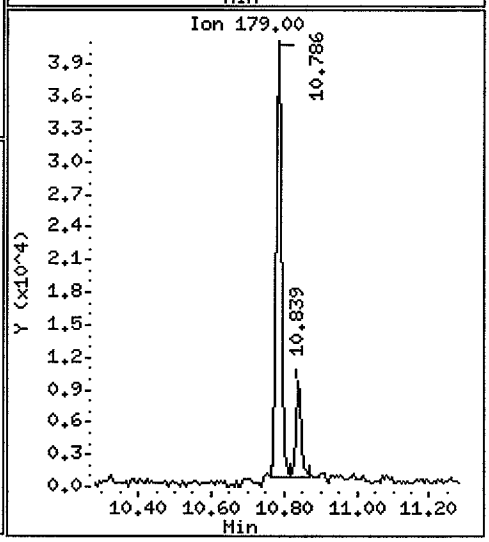












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

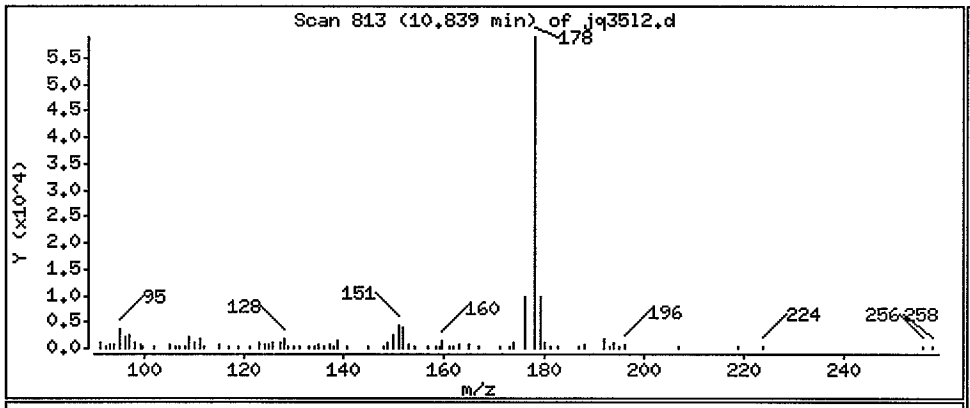
Operator: VTS

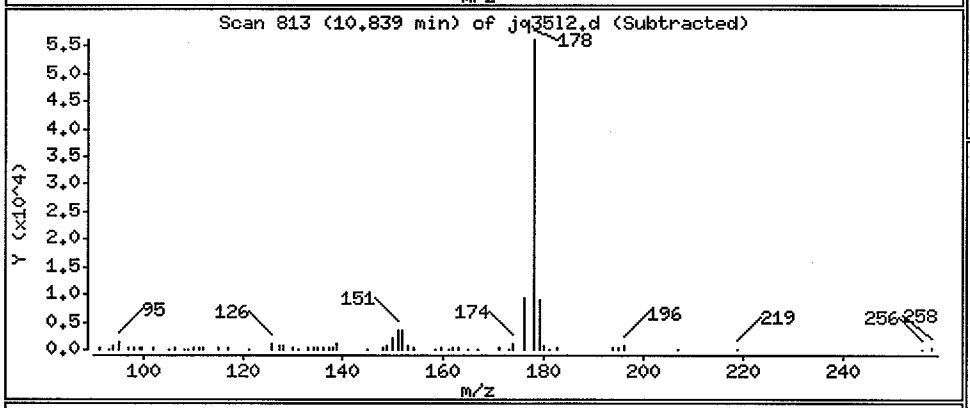
Column phase: ZB-5

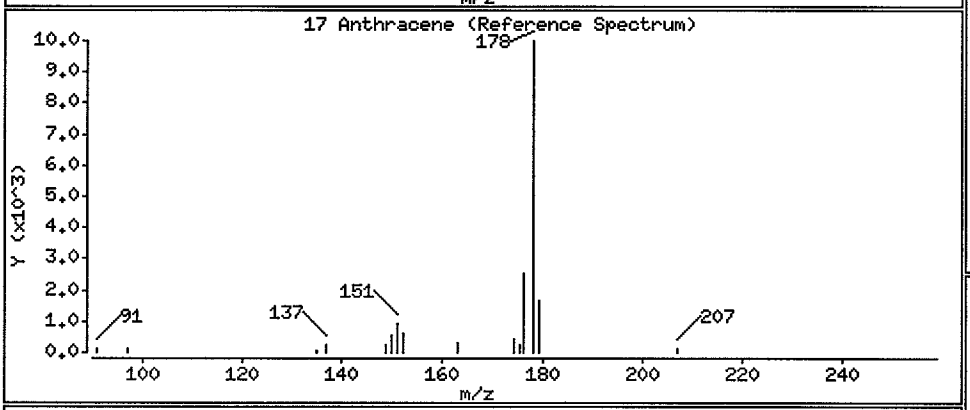
Column diameter: 0.25

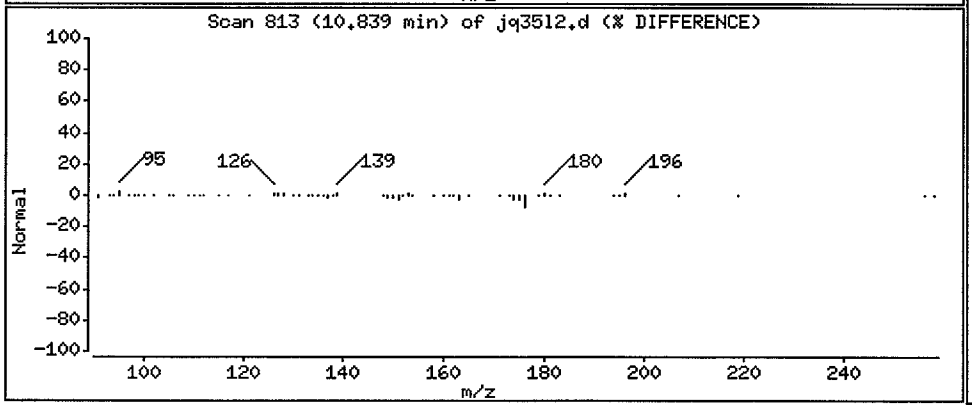
17 Anthracene

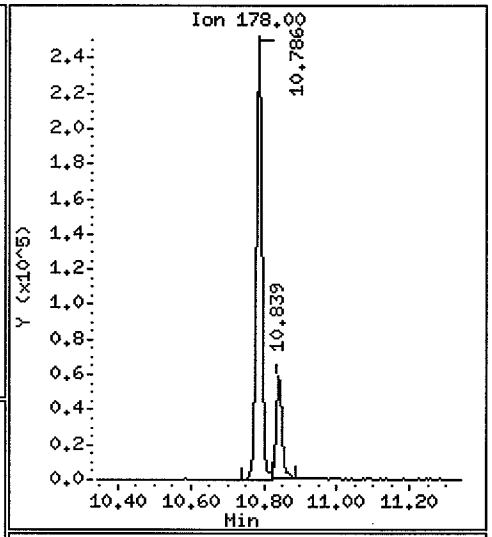
Concentration: 56.64 ug/kg

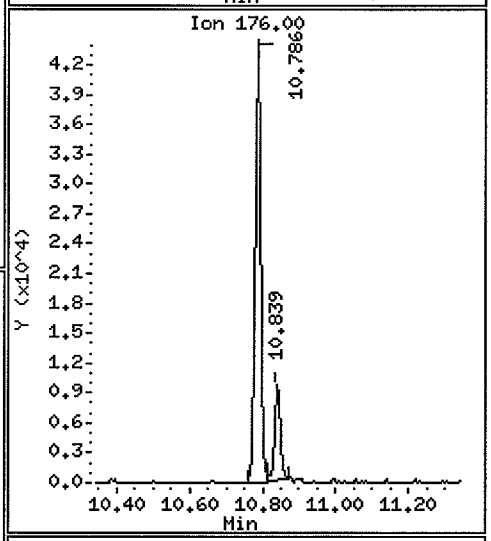


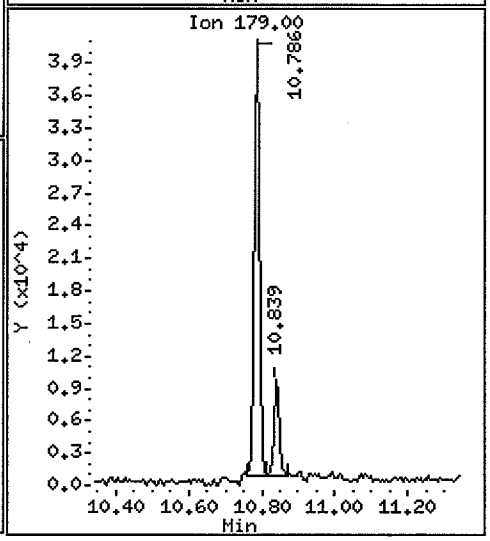












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

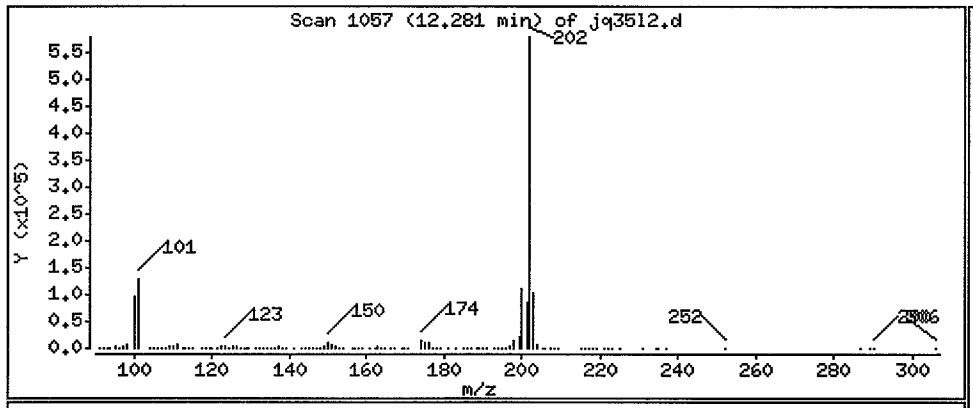
Operator: VTS

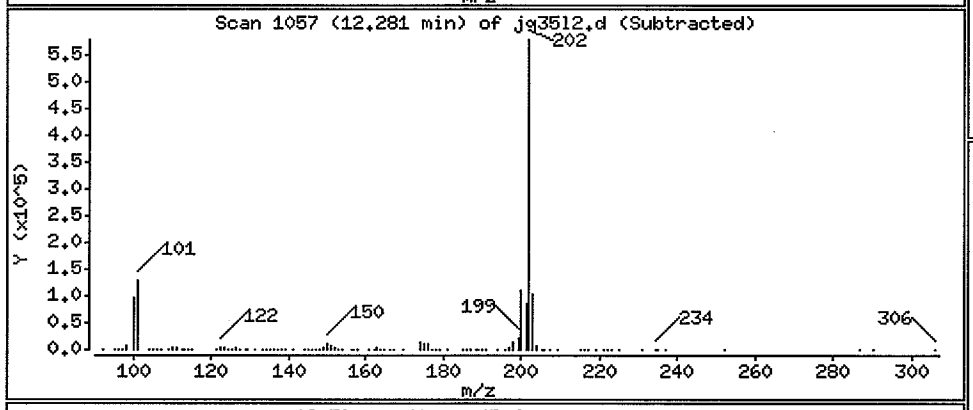
Column phase: ZB-5

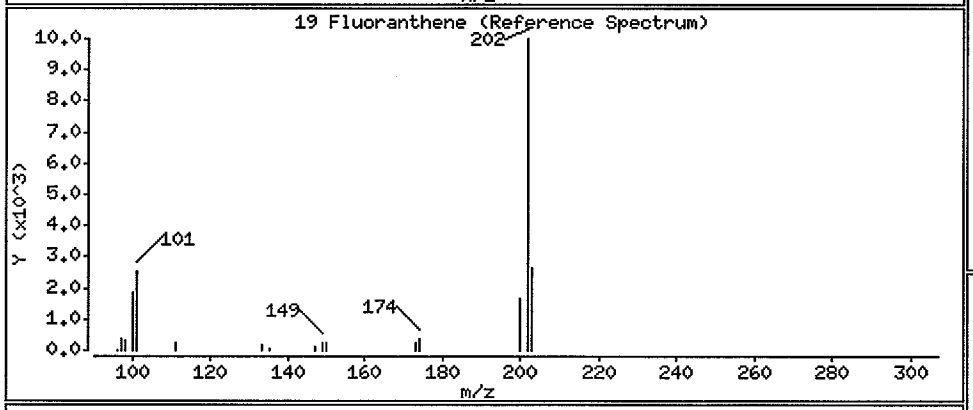
Column diameter: 0.25

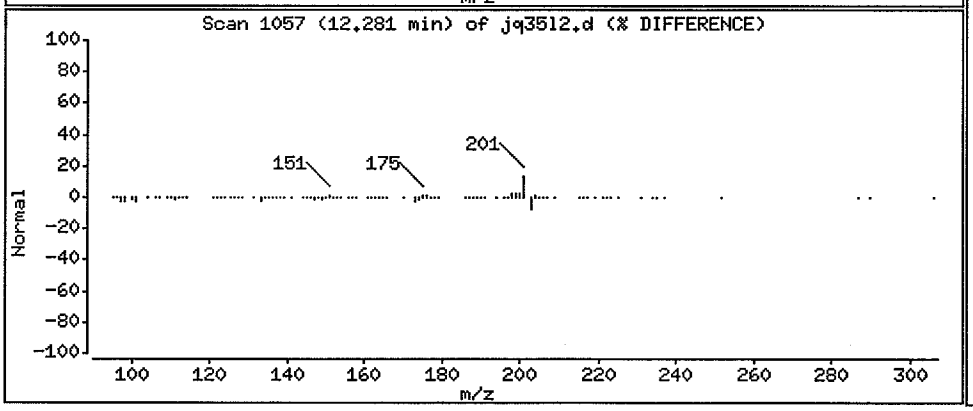
19 Fluoranthene

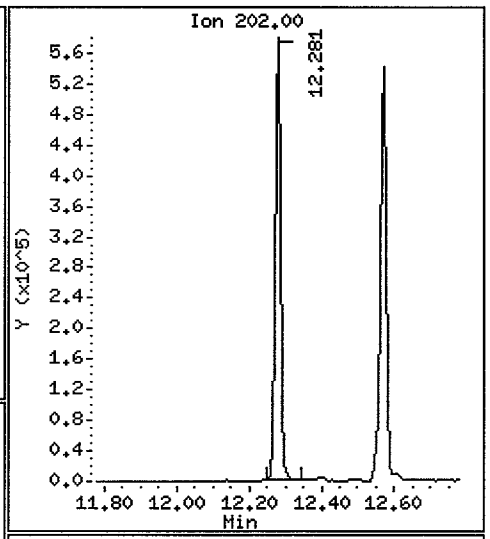
Concentration: 510.5 ug/kg

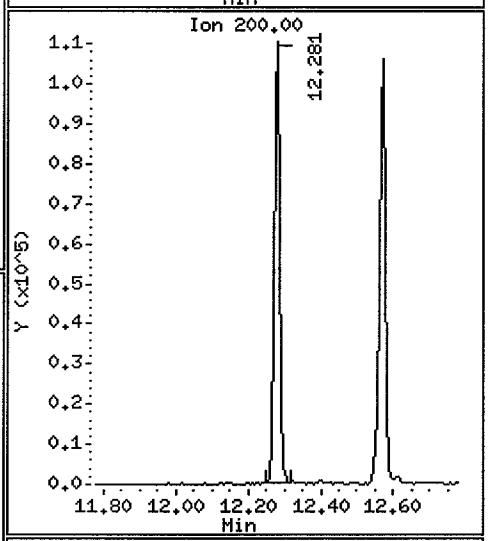


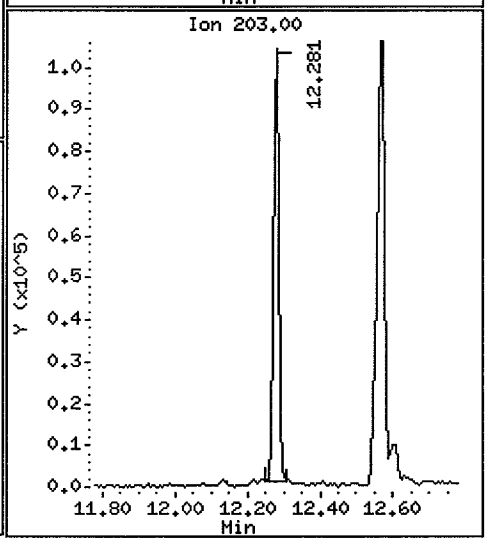












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

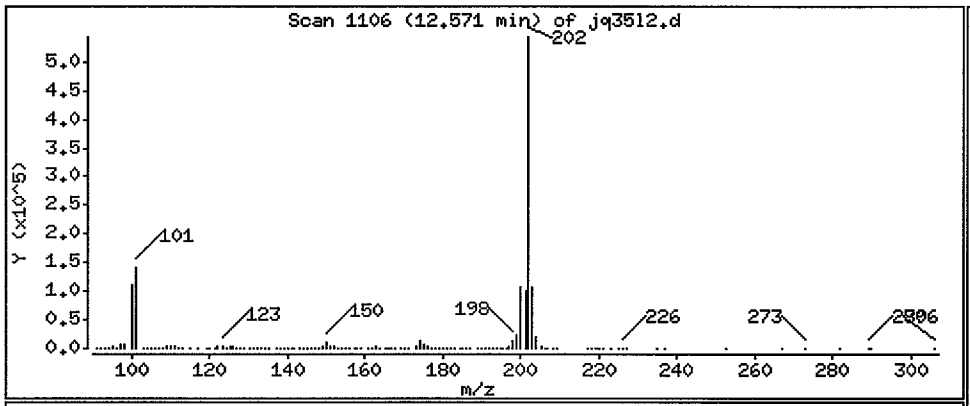
Operator: VTS

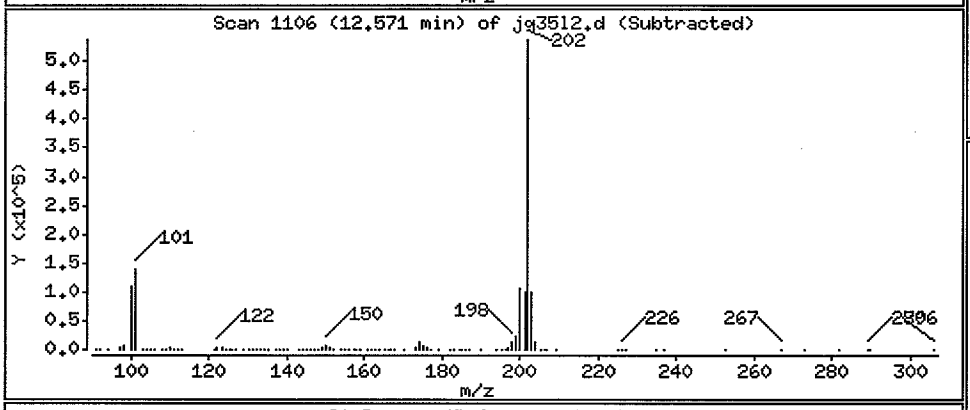
Column phase: ZB-5

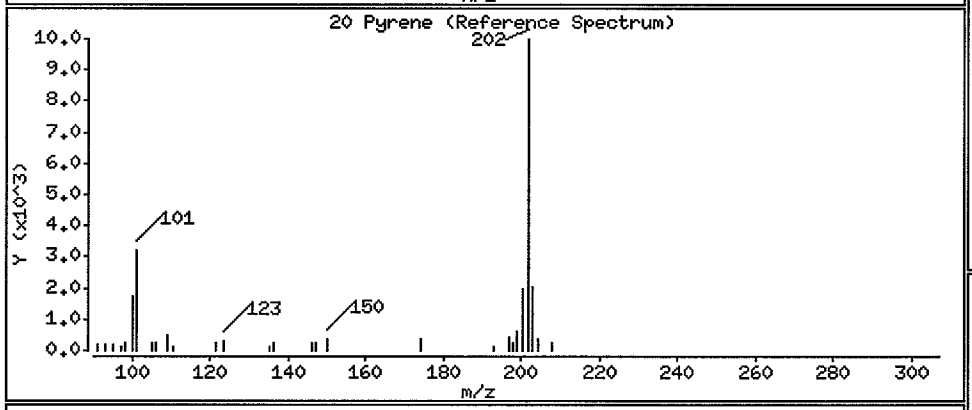
Column diameter: 0.25

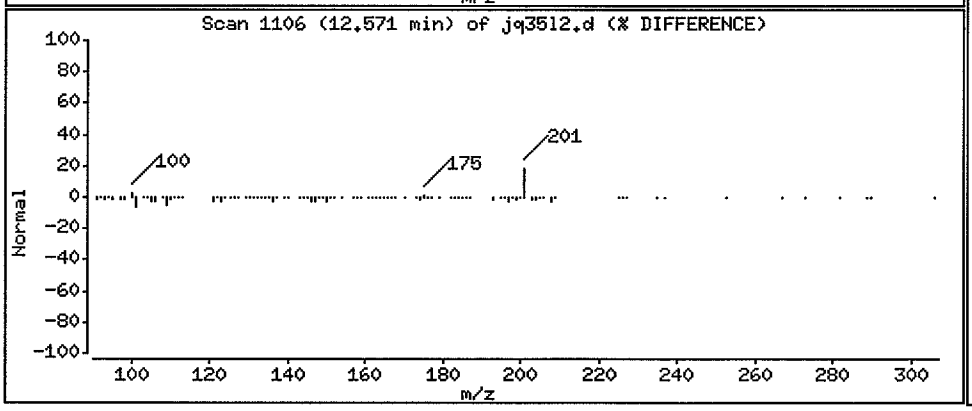
20 Pyrene

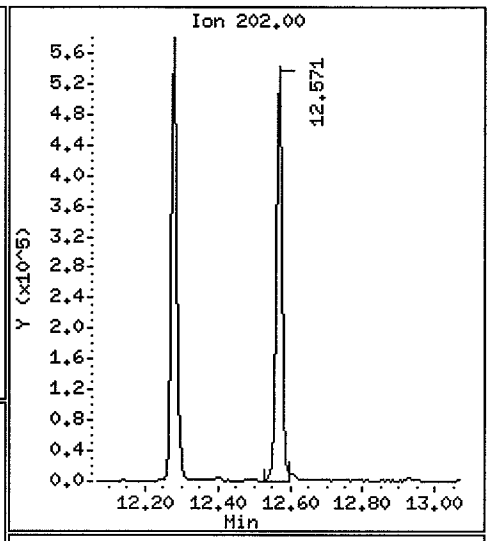
Concentration: 491.0 ug/kg

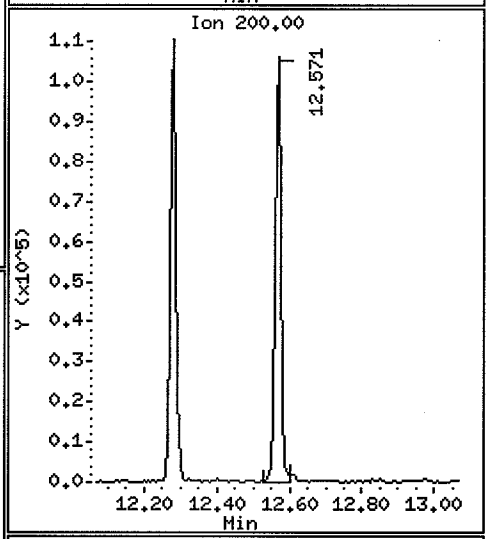


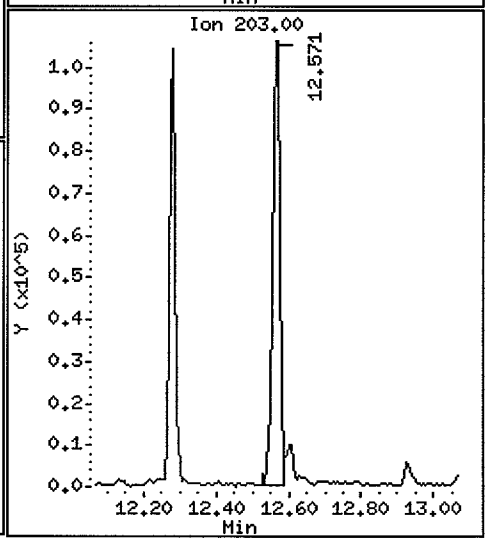












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

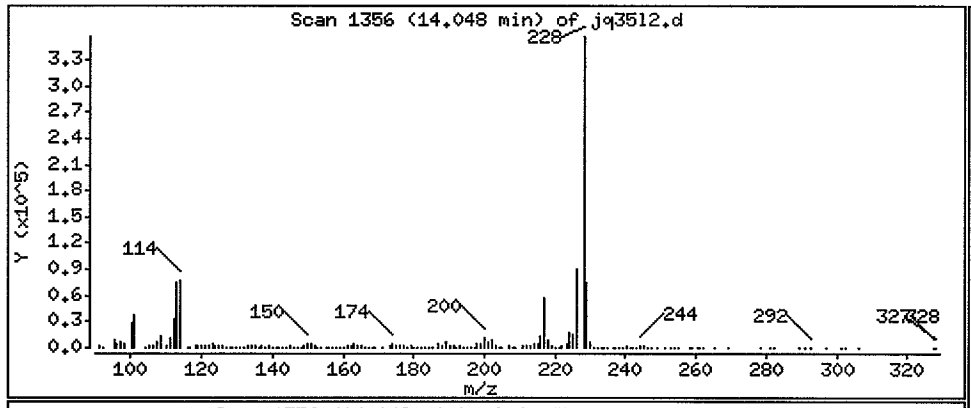
Operator: VTS

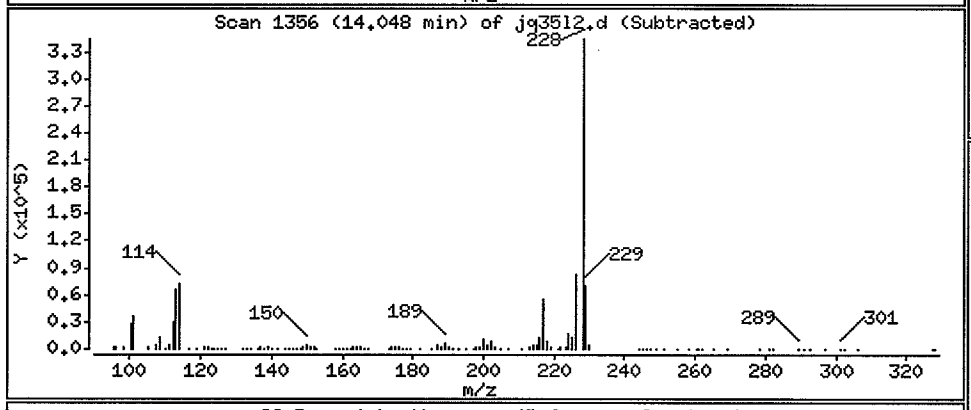
Column phase: ZB-5

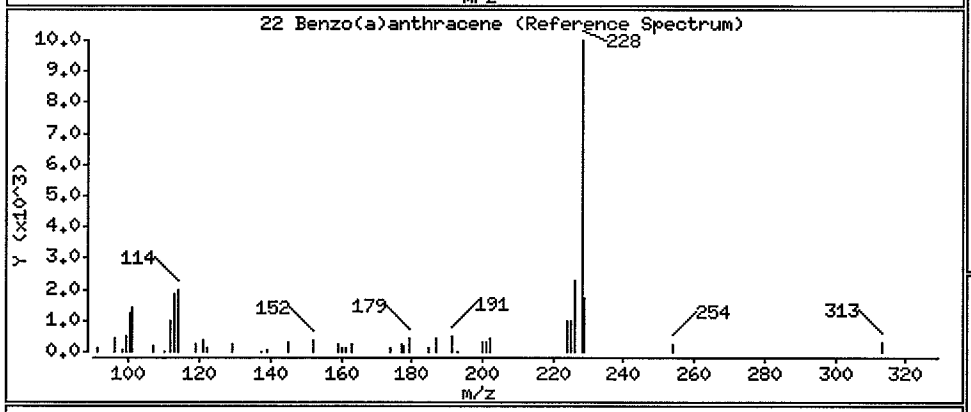
Column diameter: 0.25

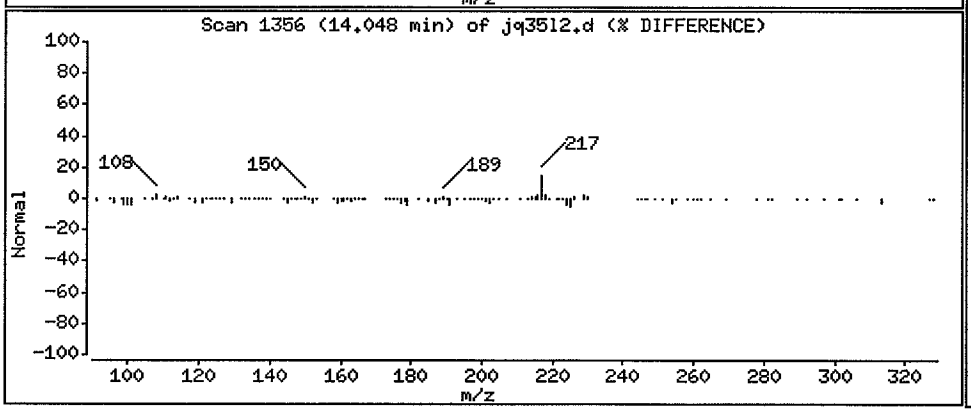
22 Benzo(a)anthracene

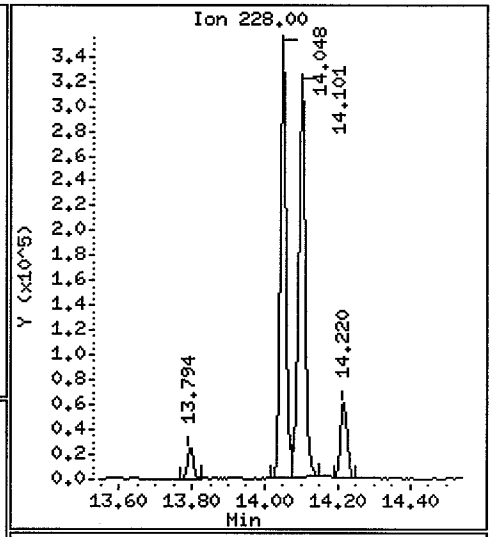
Concentration: 331.0 ug/kg

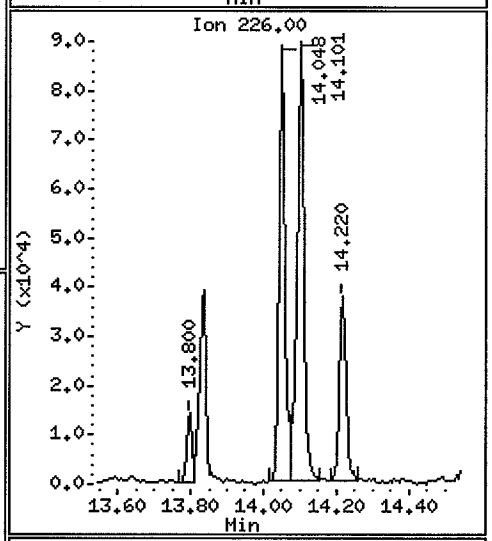


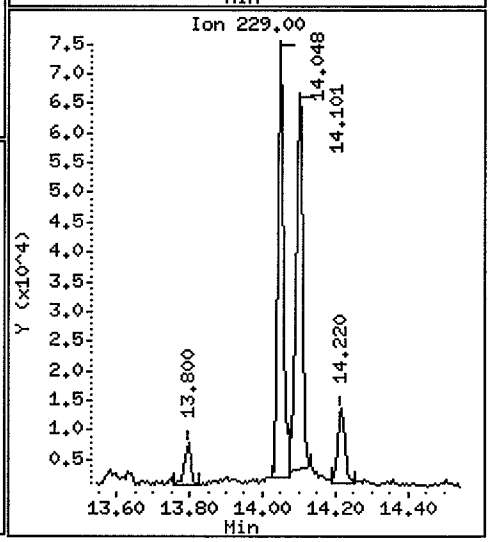












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

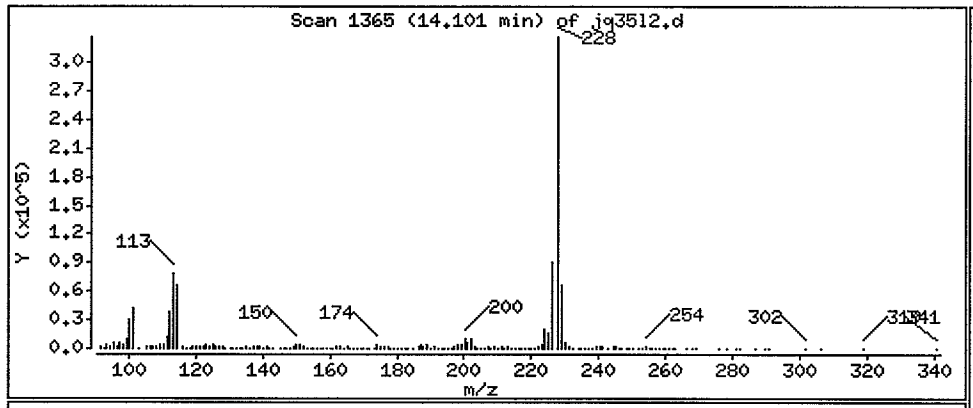
Operator: VTS

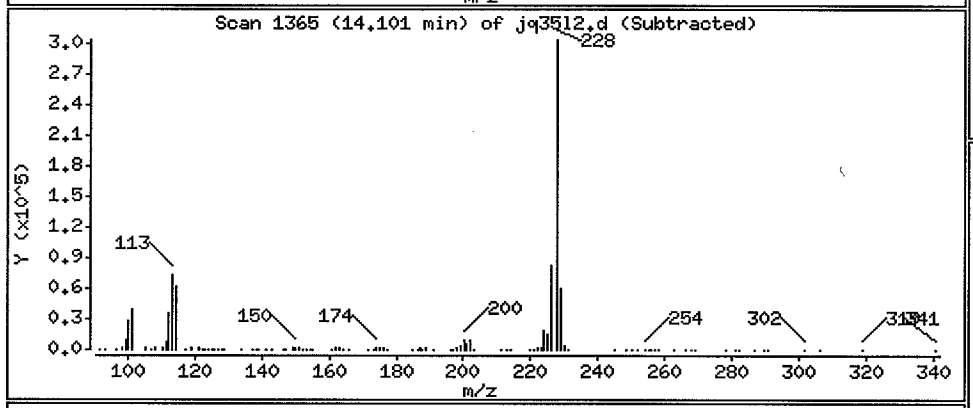
Column phase: ZB-5

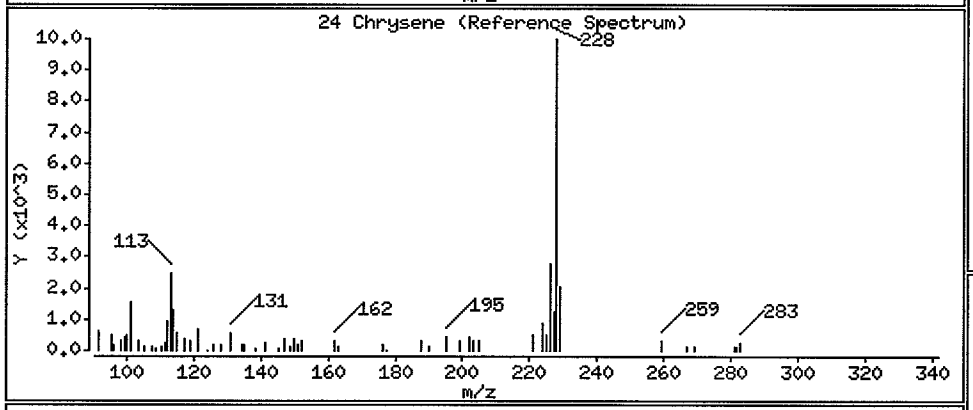
Column diameter: 0.25

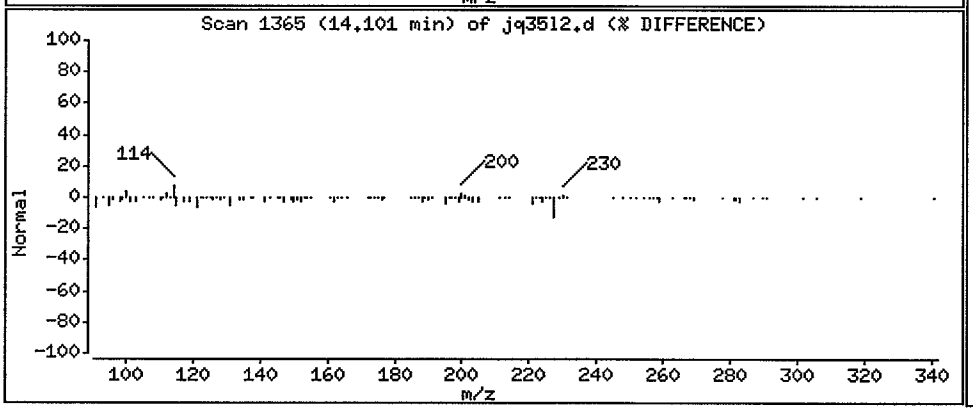
24 Chrysene

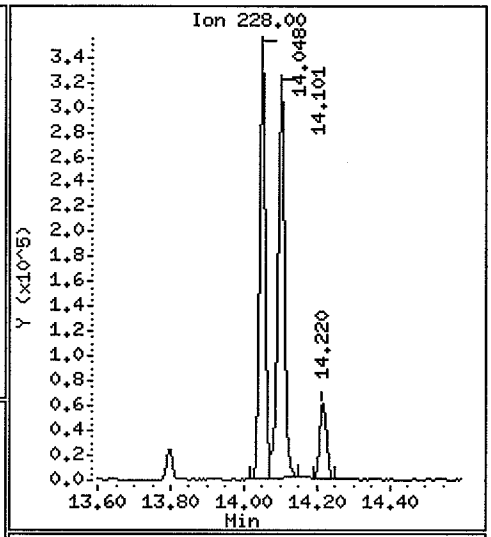
Concentration: 386.6 ug/kg

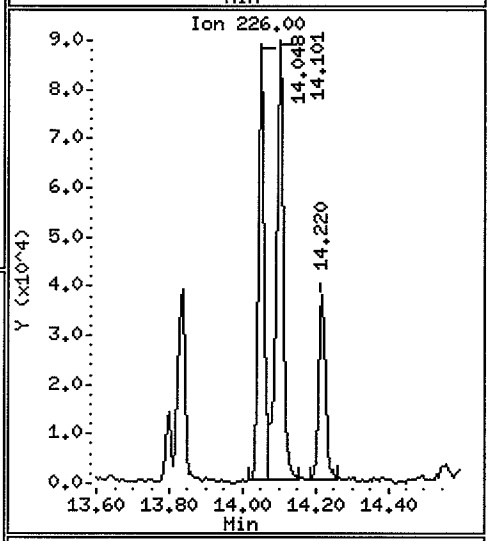


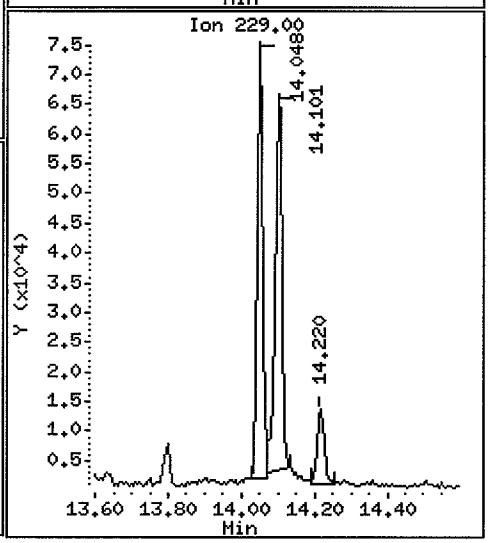












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

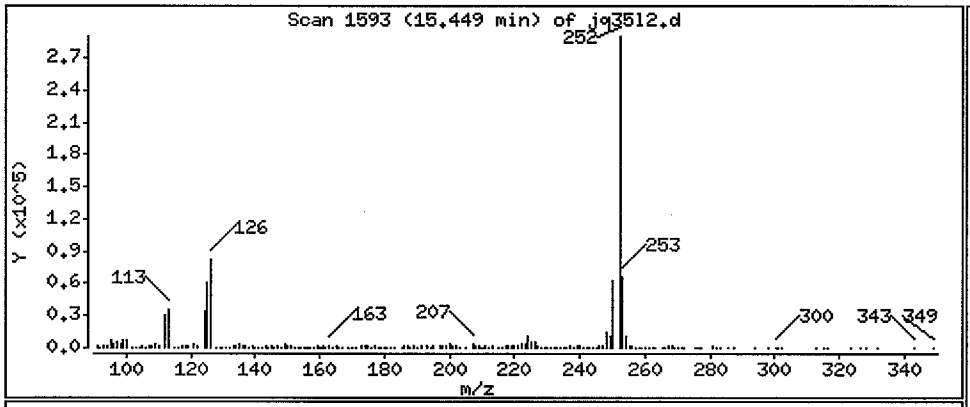
Operator: VTS

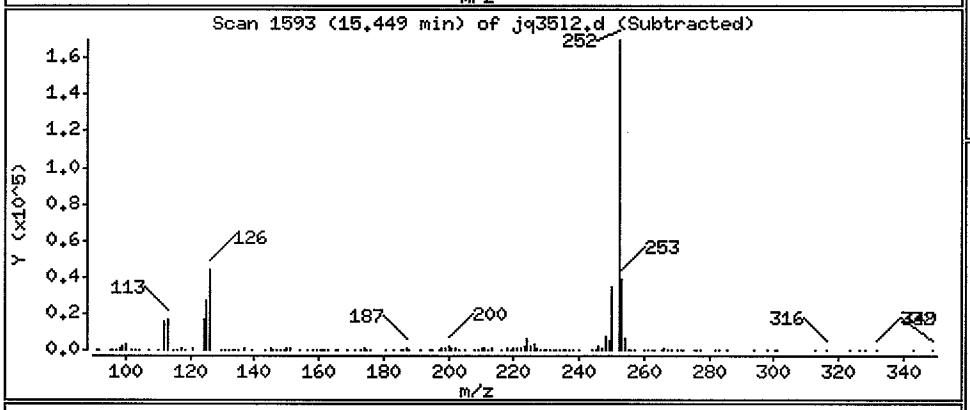
Column phase: ZB-5

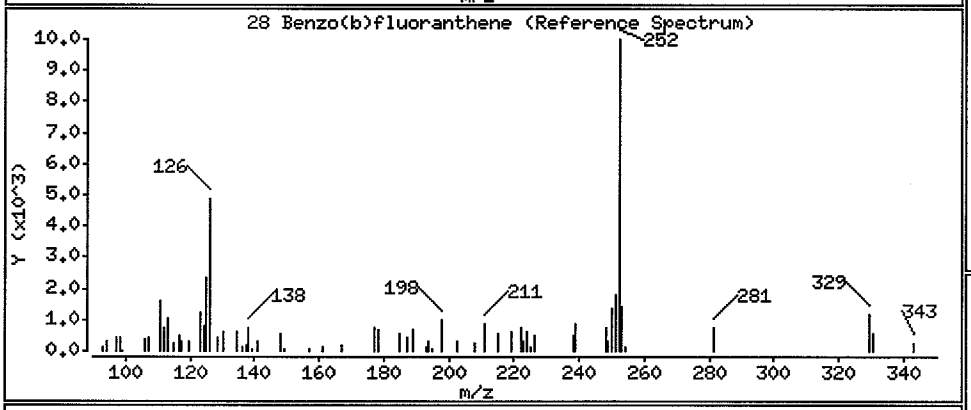
Column diameter: 0.25

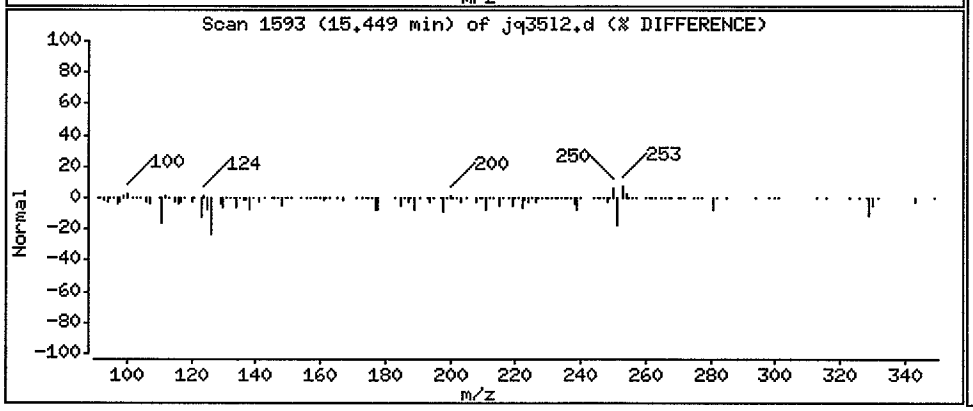
28 Benzo(b)fluoranthene

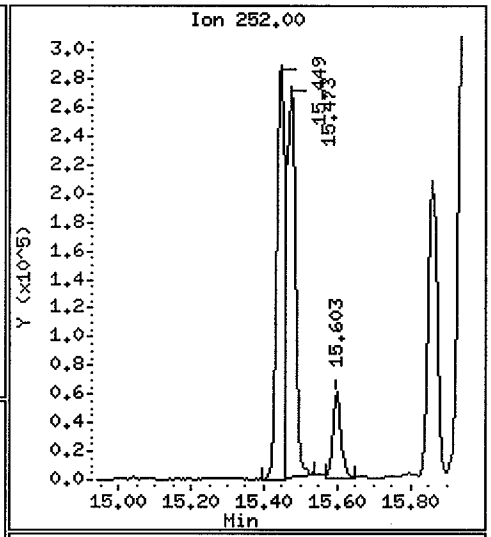
Concentration: 398.6 ug/kg

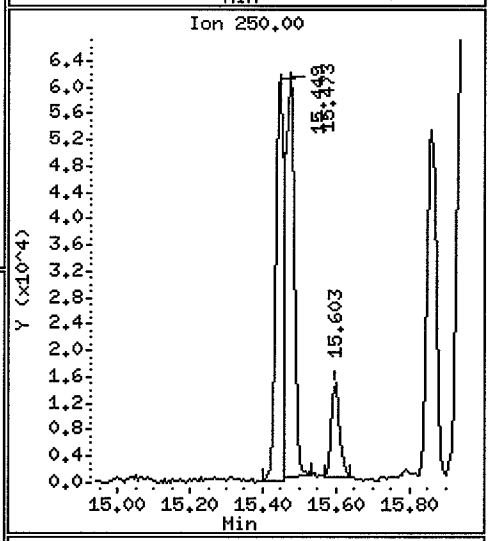


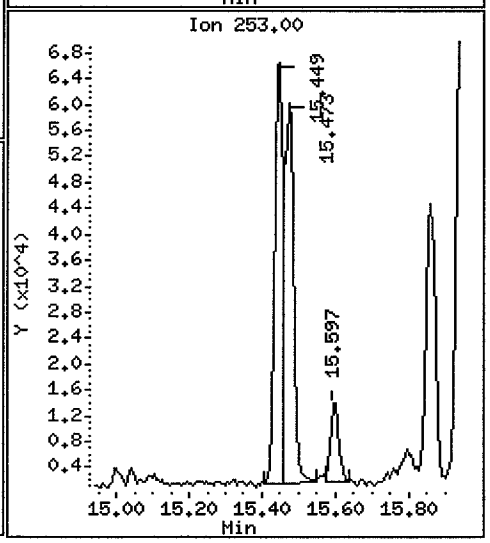












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

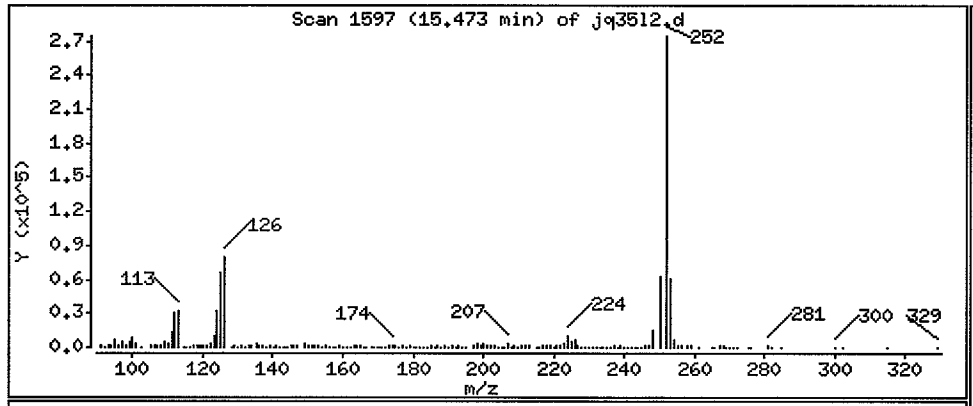
Operator: VTS

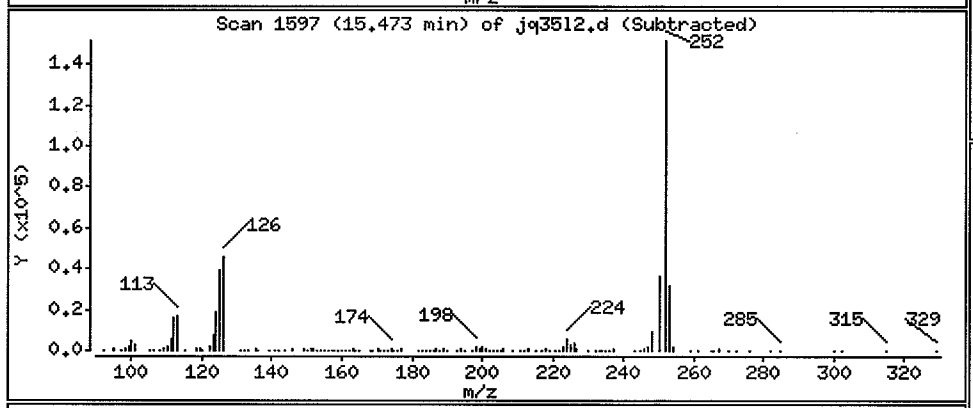
Column phase: ZB-5

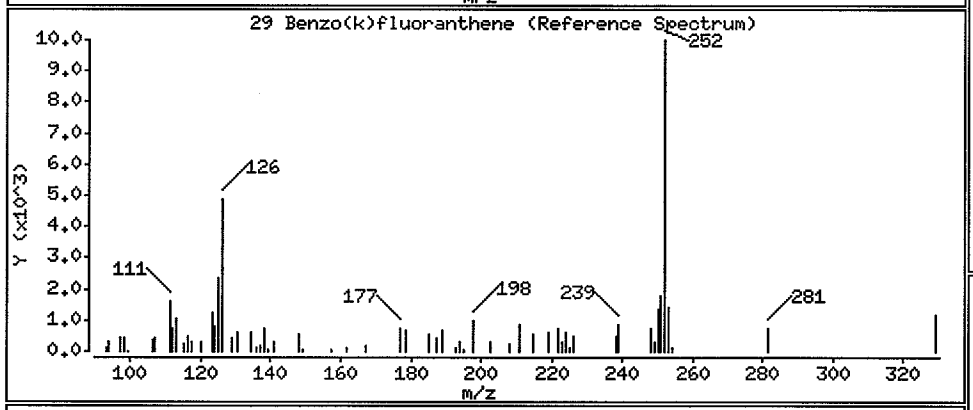
Column diameter: 0.25

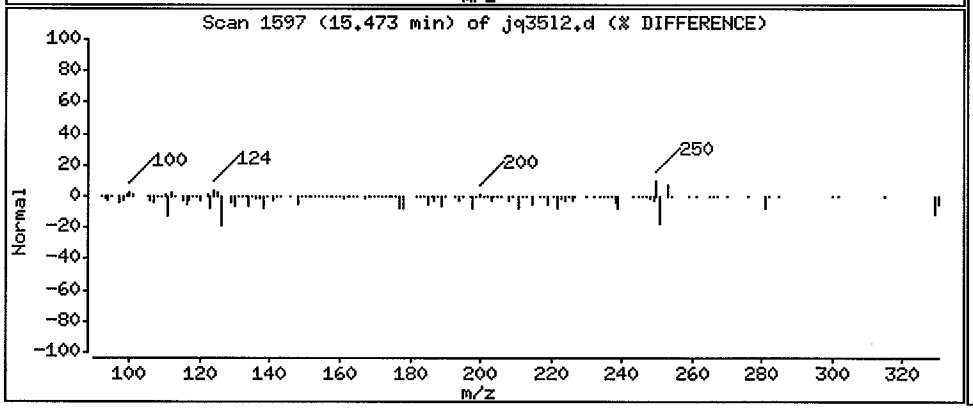
29 Benzo(k)fluoranthene

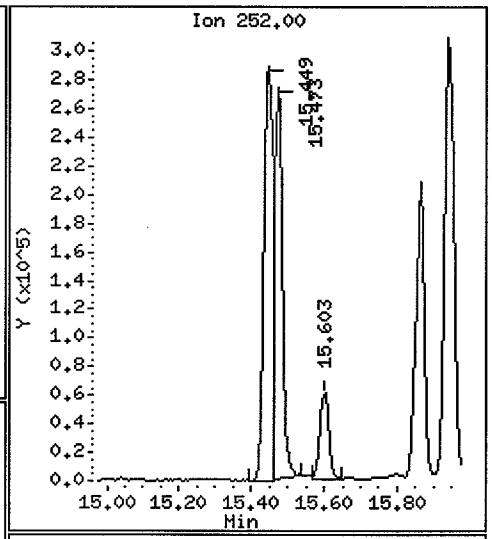
Concentration: 349.5 ug/kg

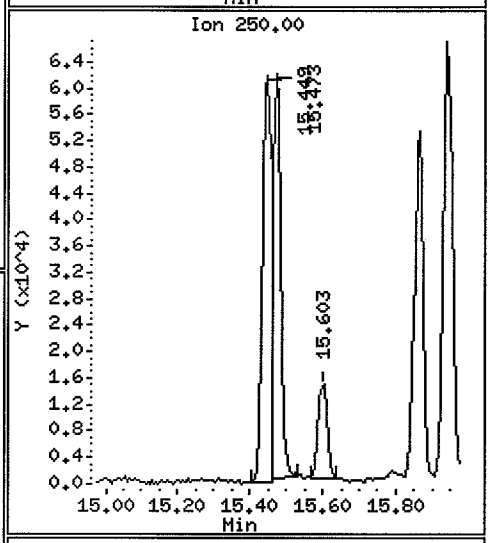


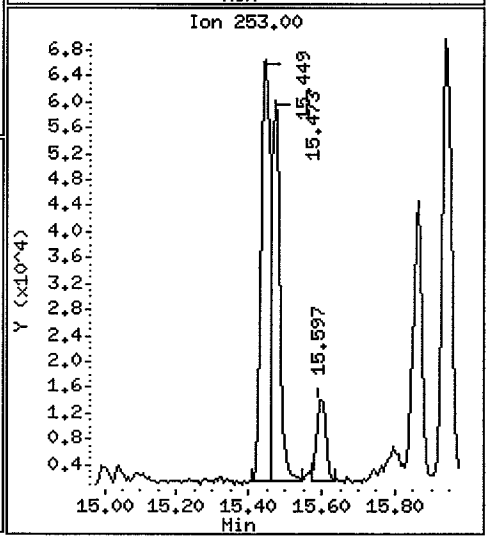












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

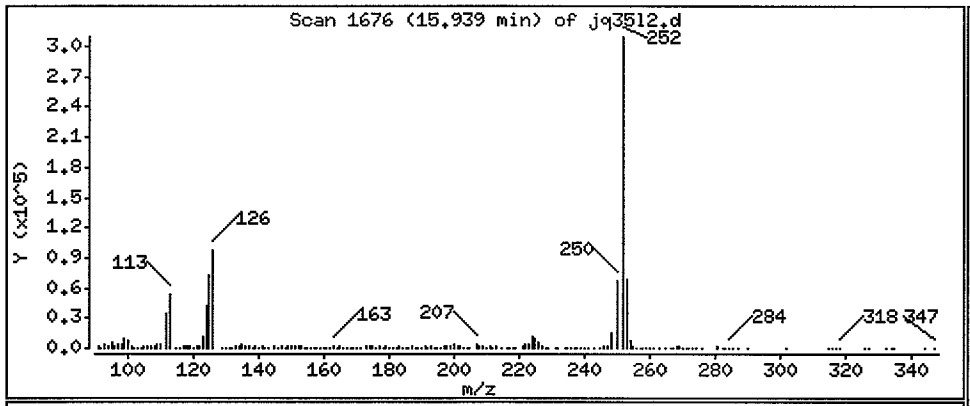
Operator: VTS

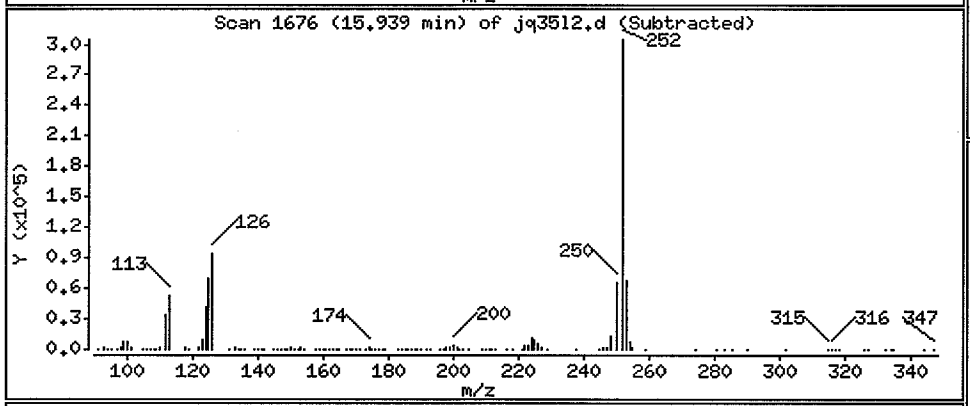
Column phase: ZB-5

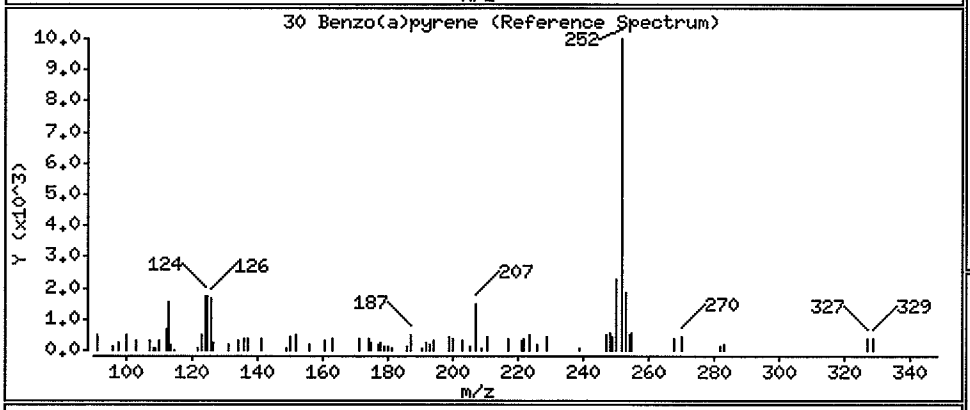
Column diameter: 0.25

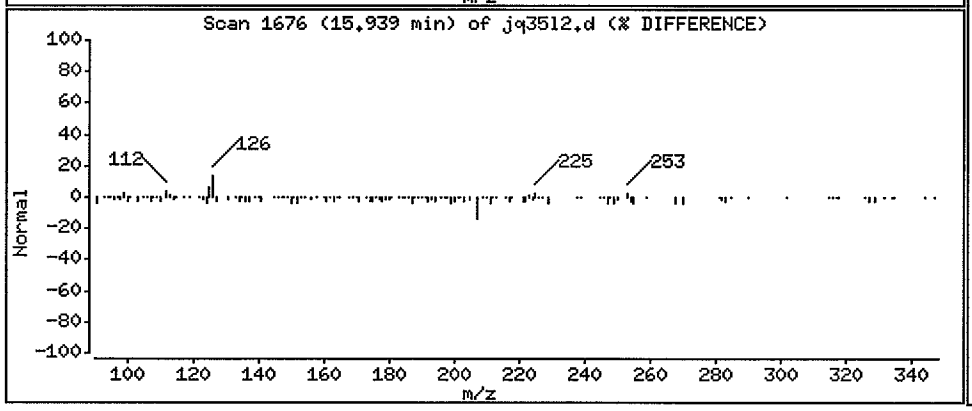
30 Benzo(a)pyrene

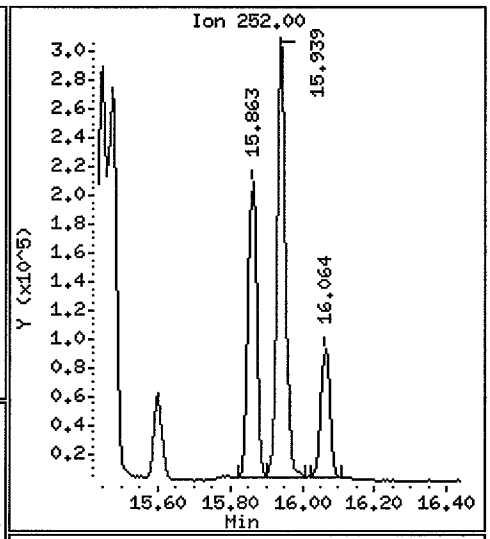
Concentration: 434.2 ug/kg

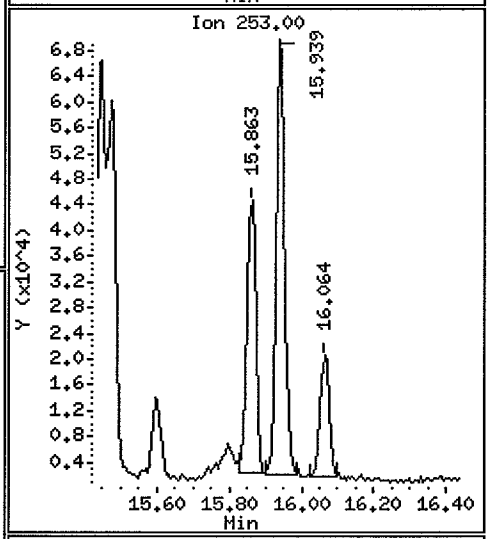


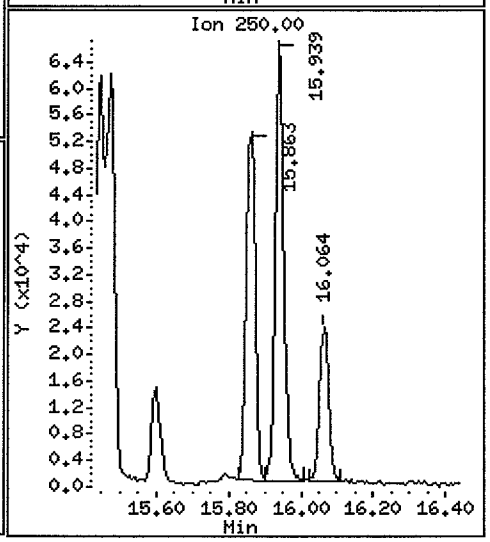












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

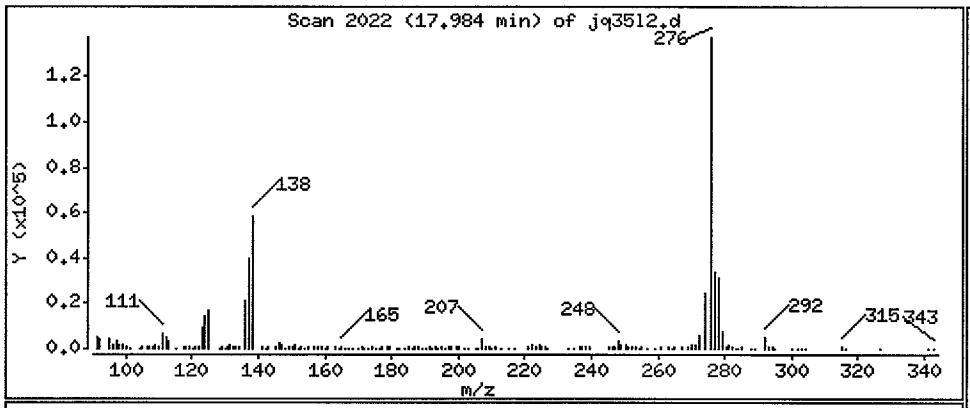
Operator: VTS

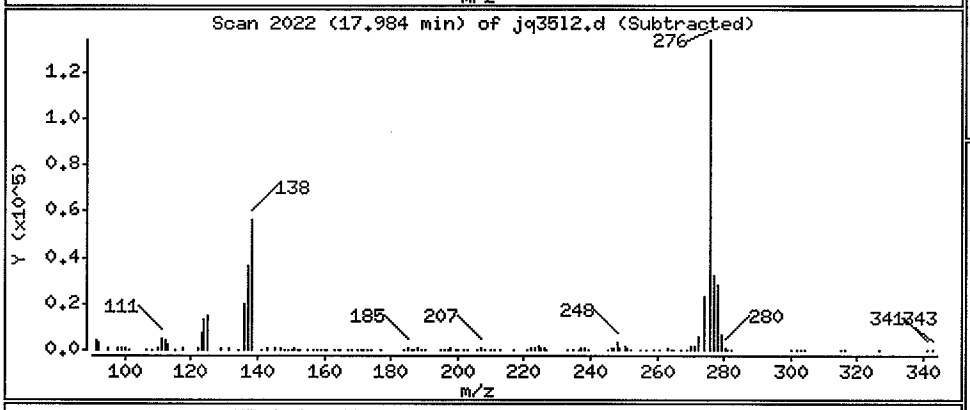
Column phase: ZB-5

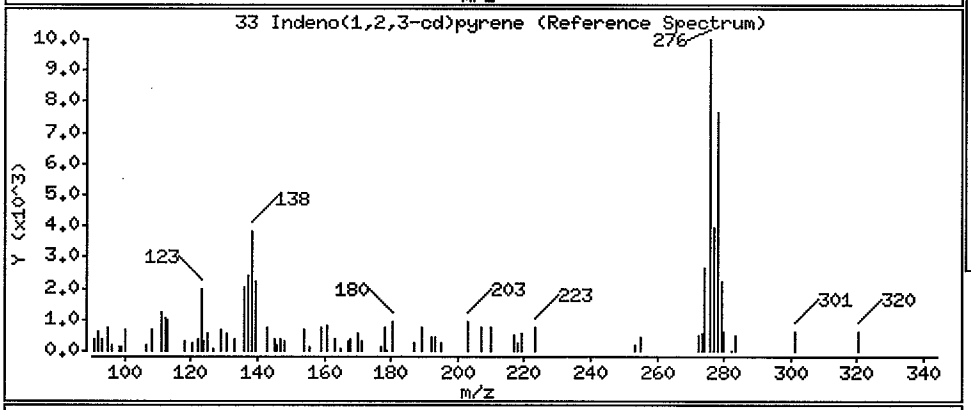
Column diameter: 0.25

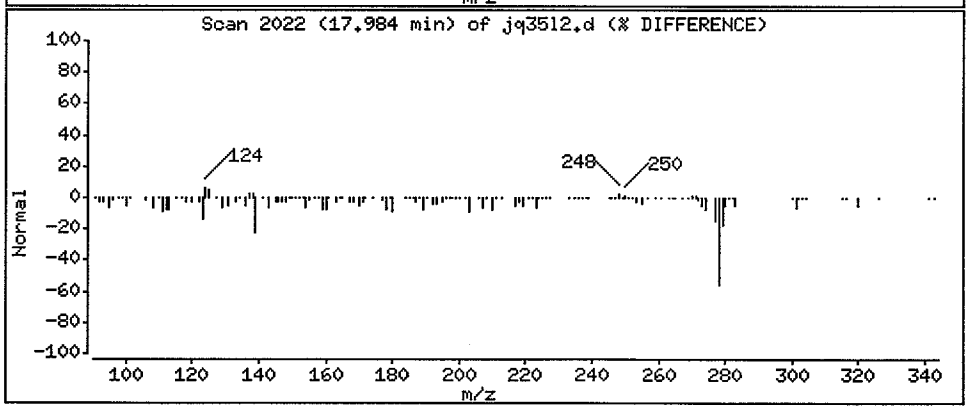
33 Indeno(1,2,3-cd)pyrene

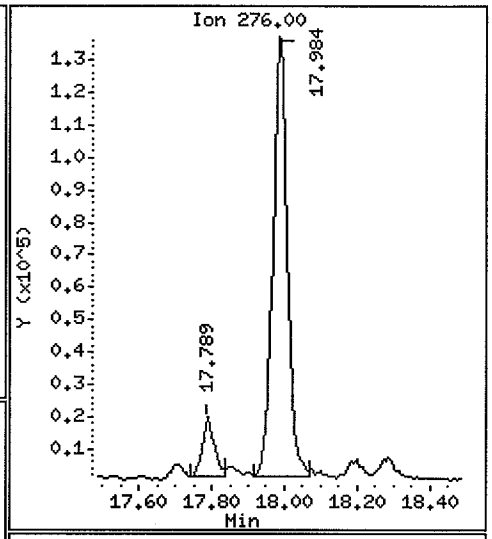
Concentration: 269.1 ug/kg

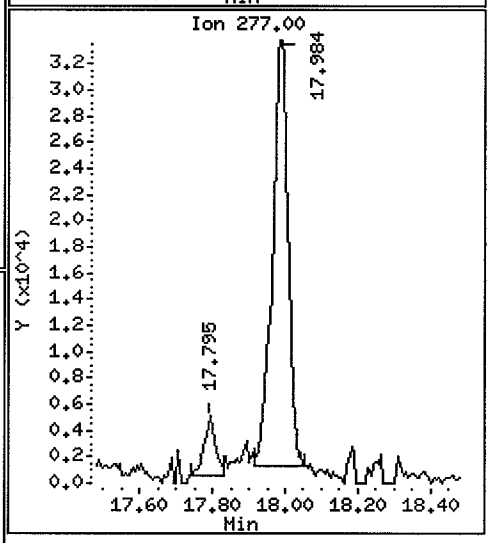












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

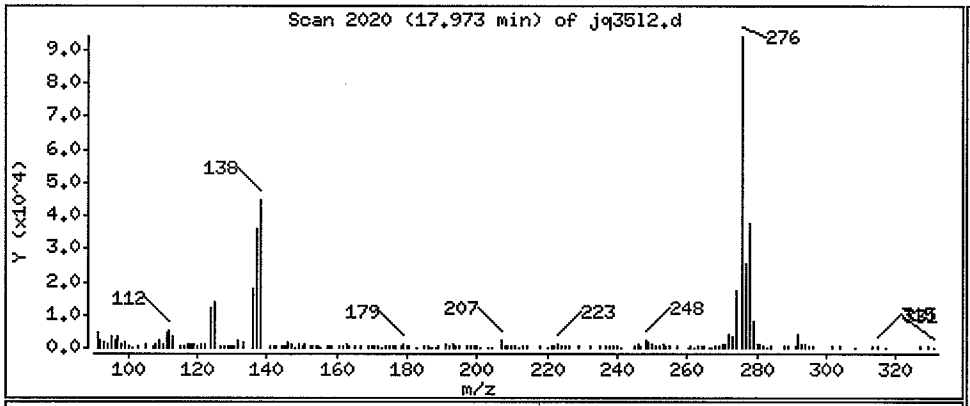
Operator: VTS

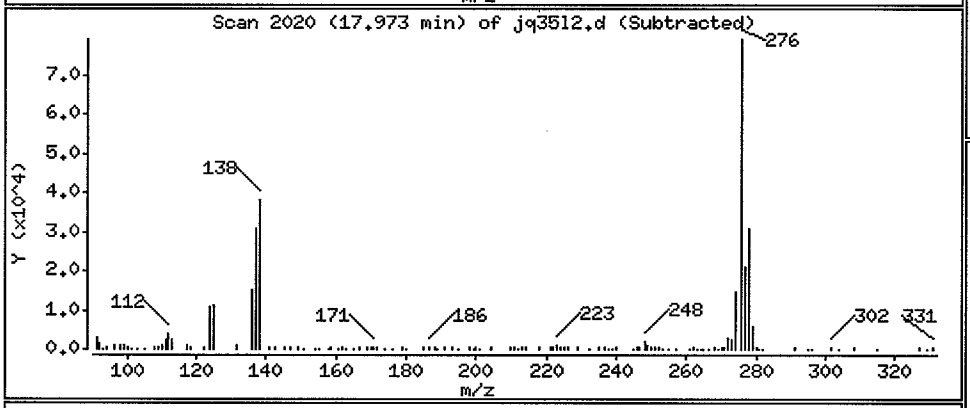
Column phase: ZB-5

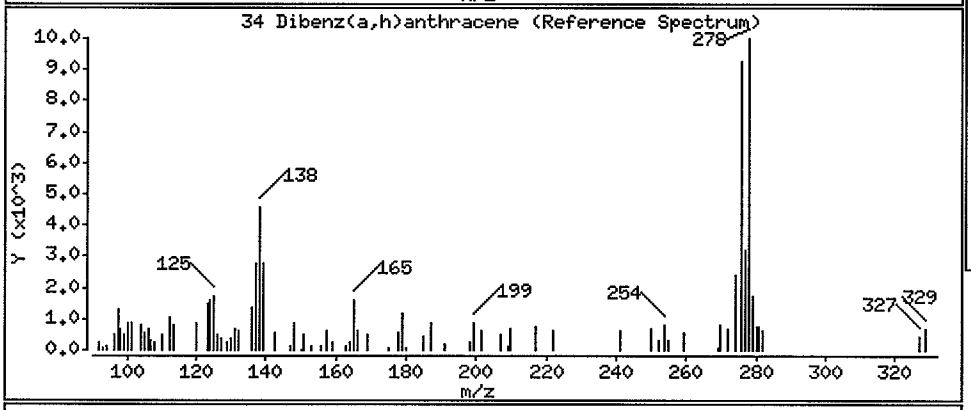
Column diameter: 0.25

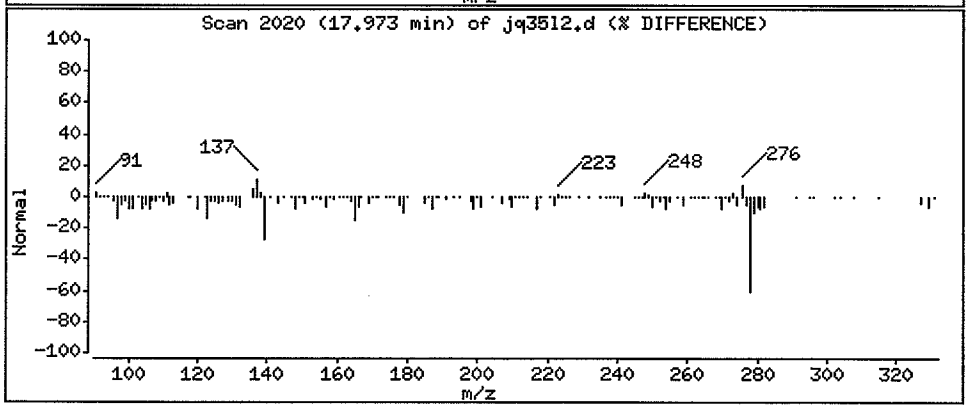
34 Dibenz(a,h)anthracene

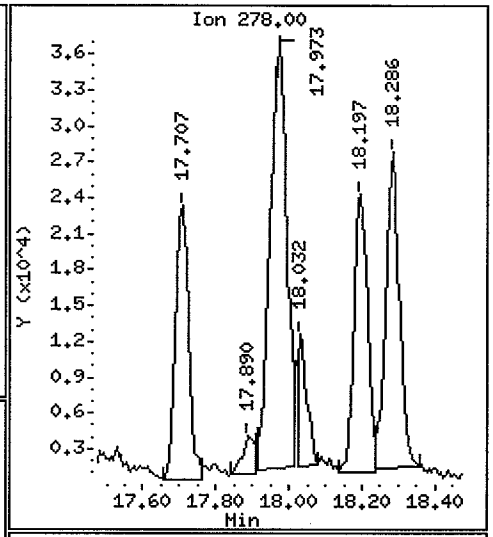
Concentration: 102.0 ug/kg

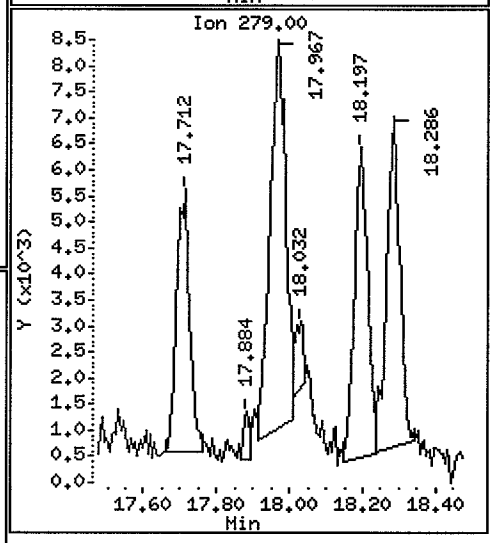












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

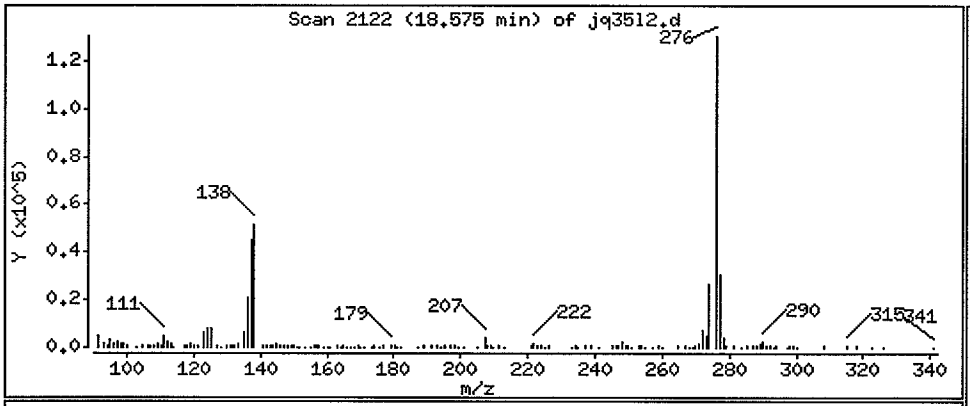
Operator: VTS

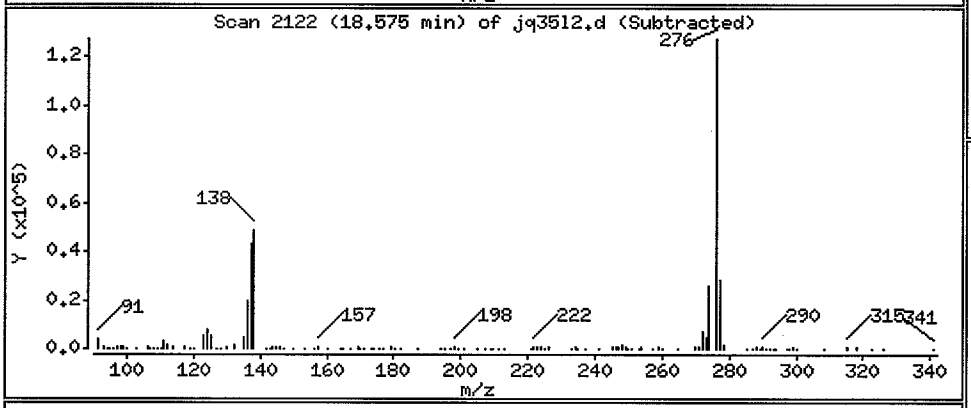
Column phase: ZB-5

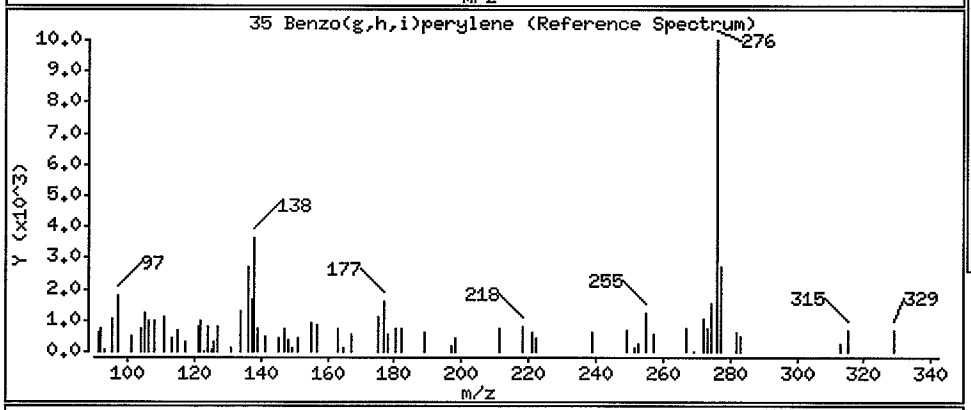
Column diameter: 0.25

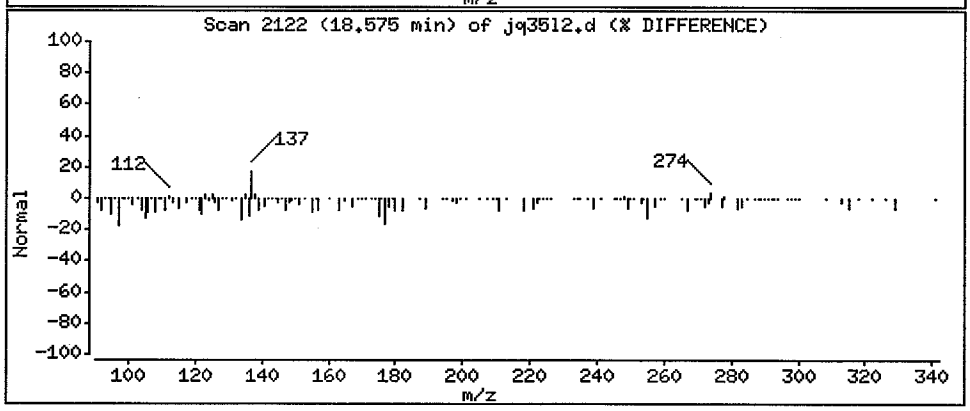
35 Benzo(g,h,i)perylene

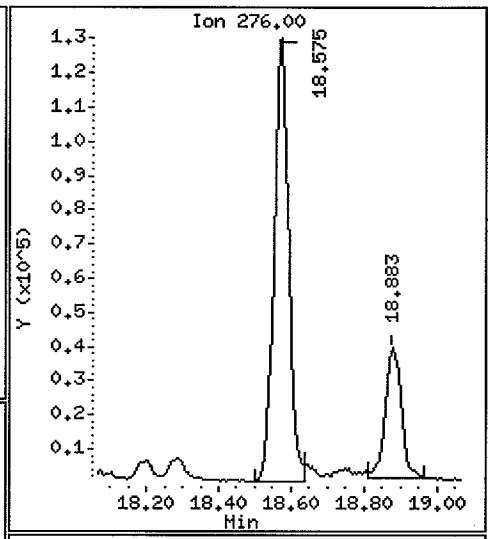
Concentration: 313.1 ug/kg

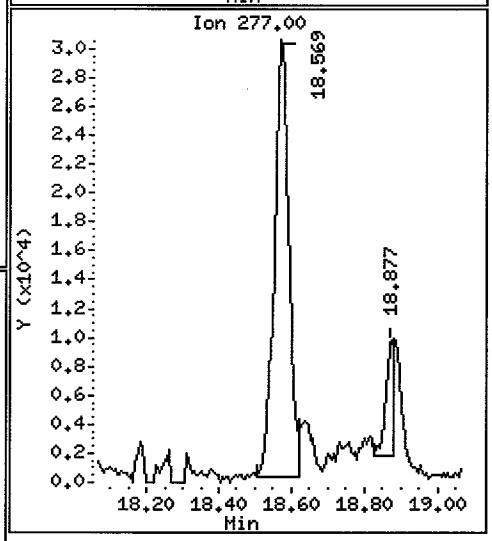












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

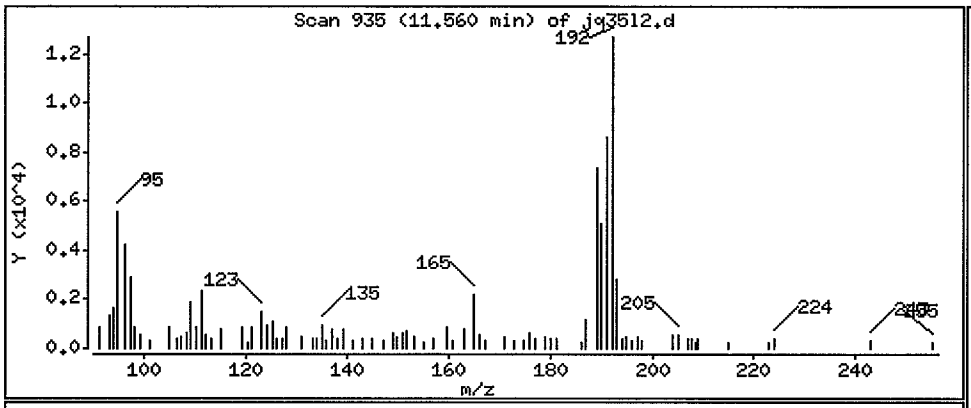
Operator: VTS

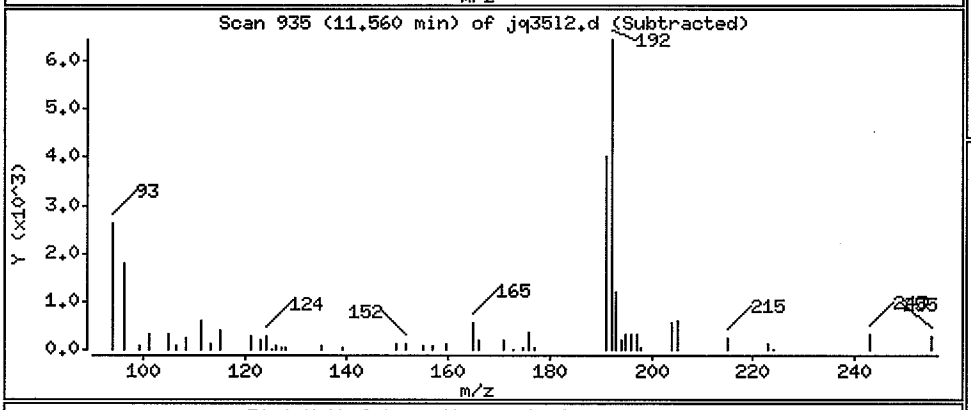
Column phase: ZB-5

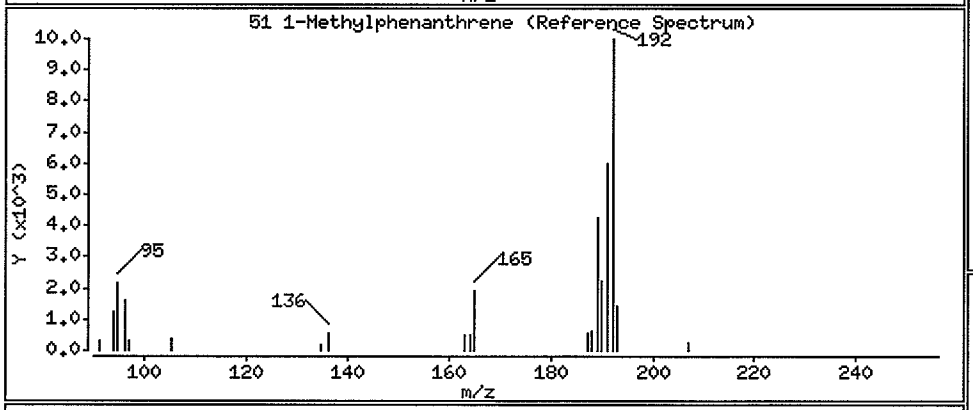
Column diameter: 0.25

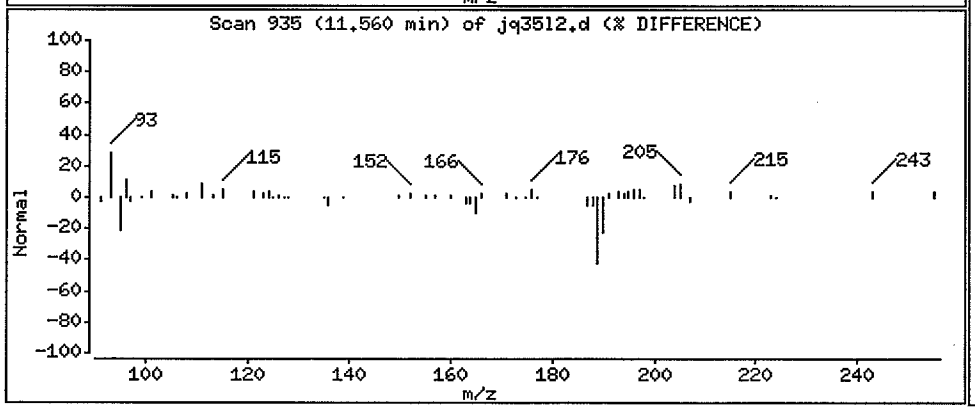
51 1-Methylphenanthrene

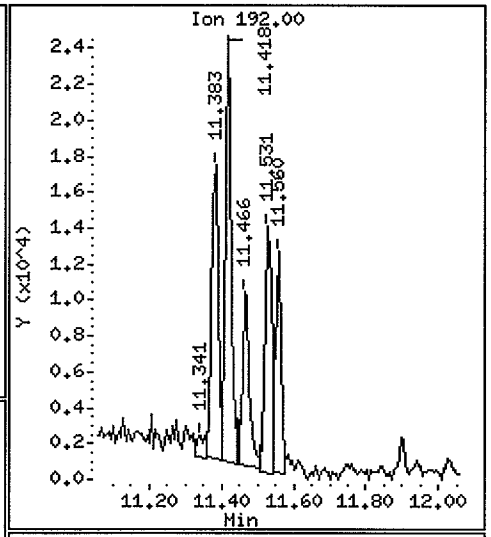
Concentration: 18.89 ug/kg

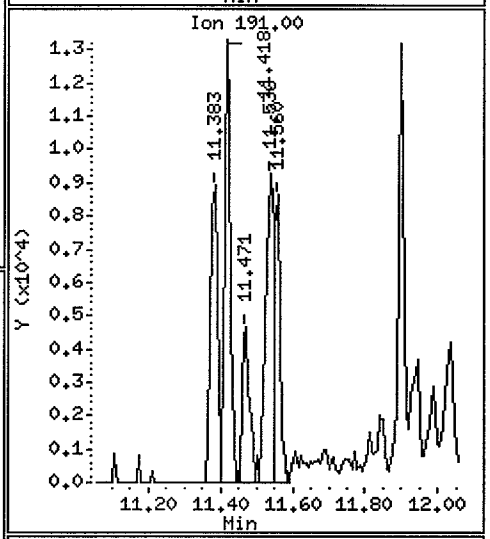


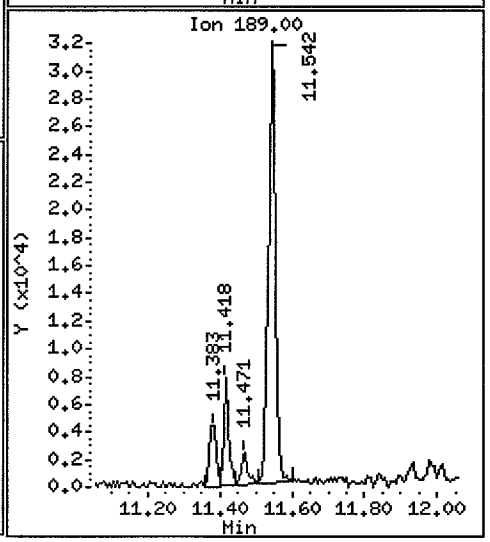












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

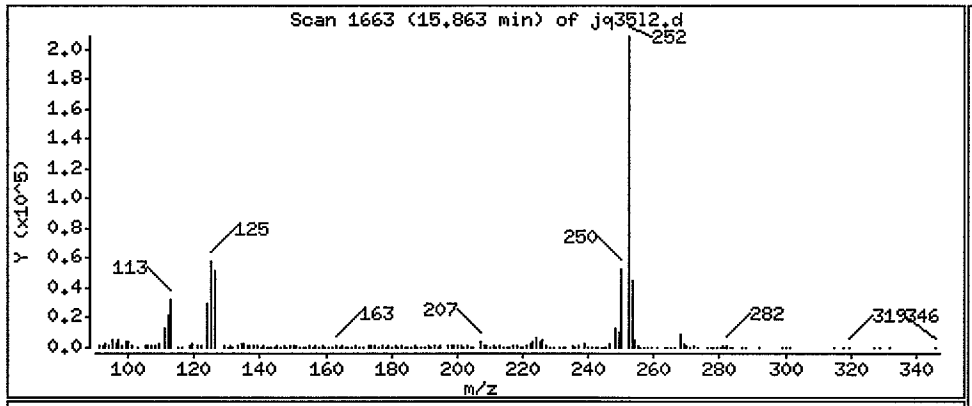
Operator: VTS

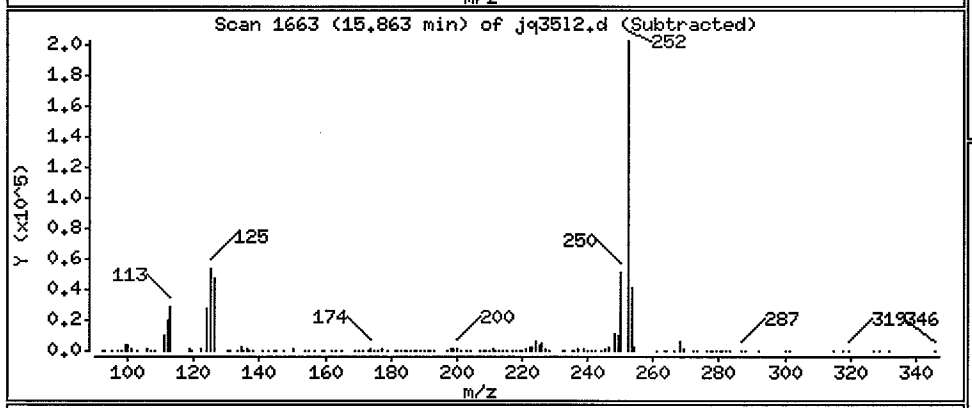
Column phase: ZB-5

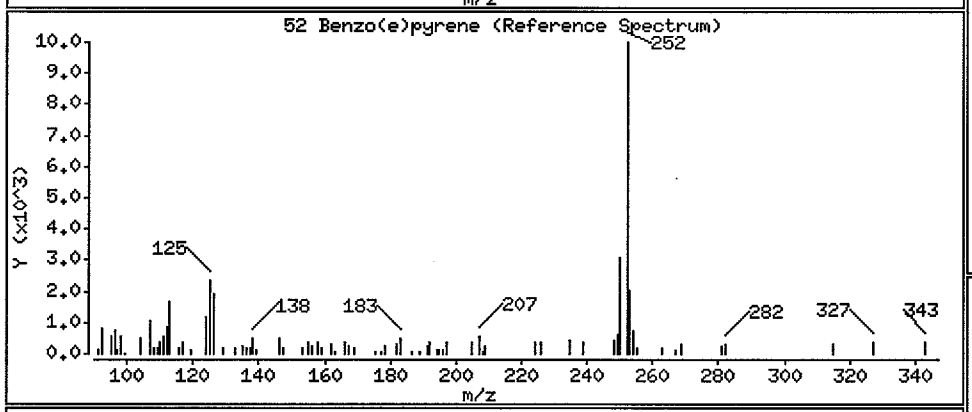
Column diameter: 0.25

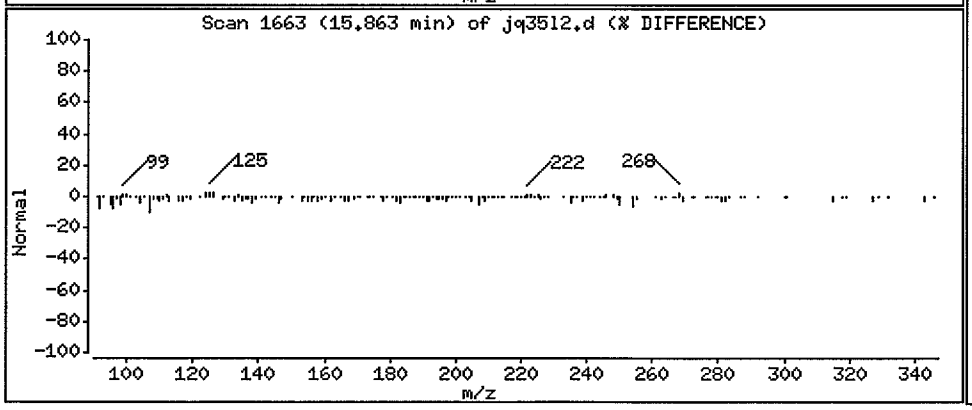
52 Benzo(e)pyrene

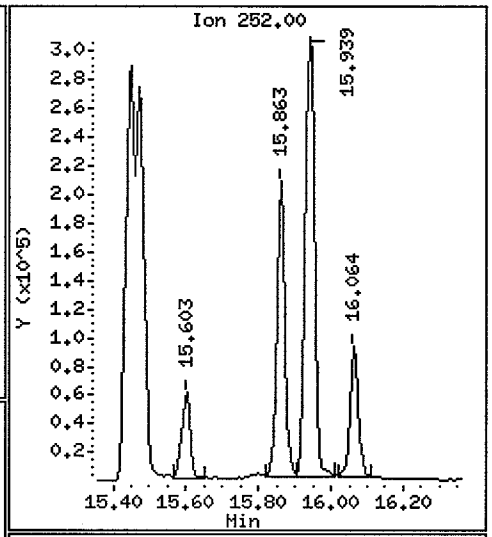
Concentration: 249.5 ug/kg

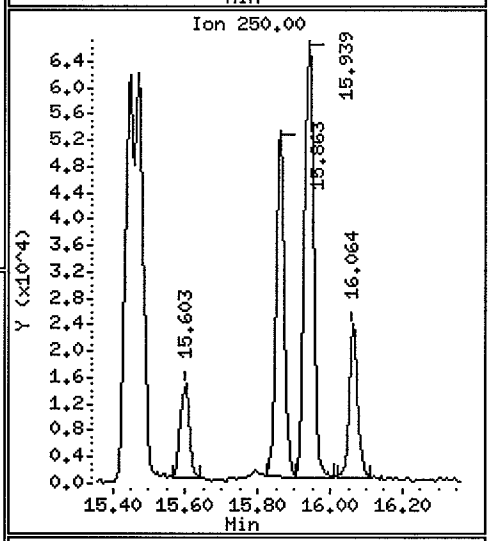


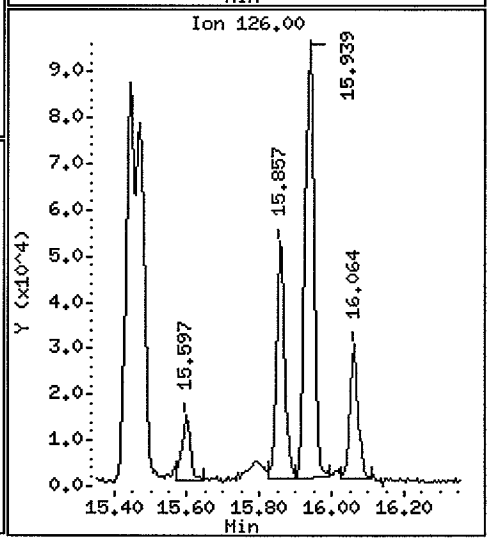












Data File: /chem3/nt1.i/20060808.b/jq3512.d

Date : 08-AUG-2006 12:21

Client ID: T4-S3-05-J

Instrument: nt1.i

Sample Info: JQ35L,2

Volume Injected (uL): 1.0

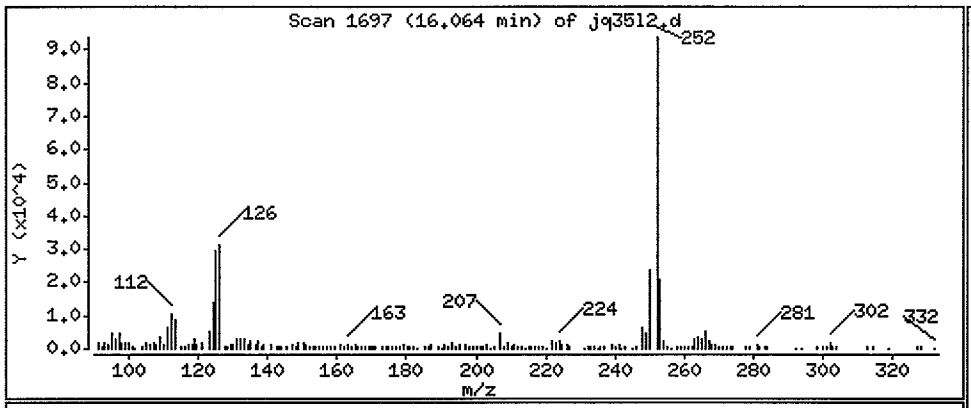
Operator: VTS

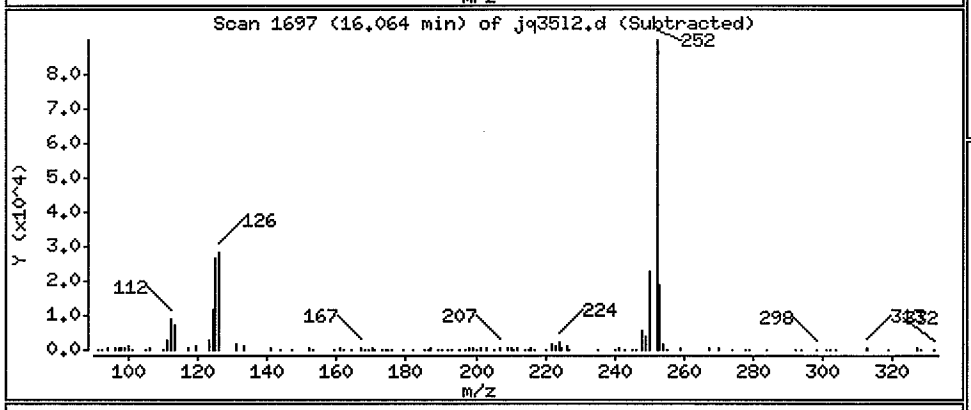
Column phase: ZB-5

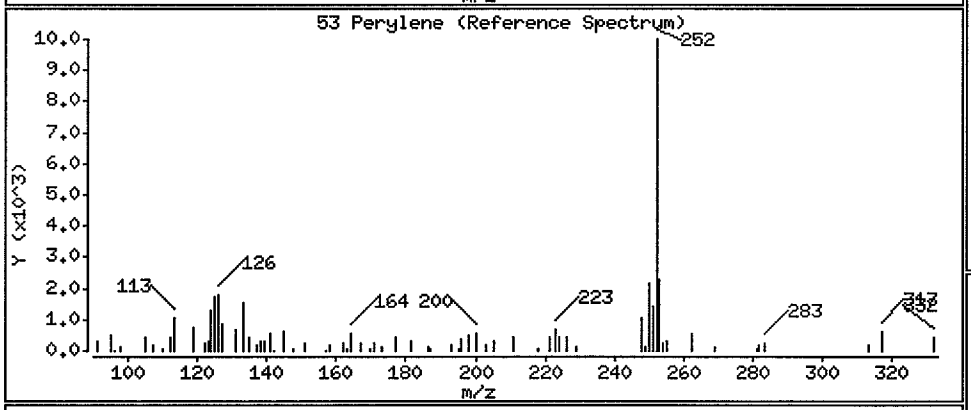
Column diameter: 0.25

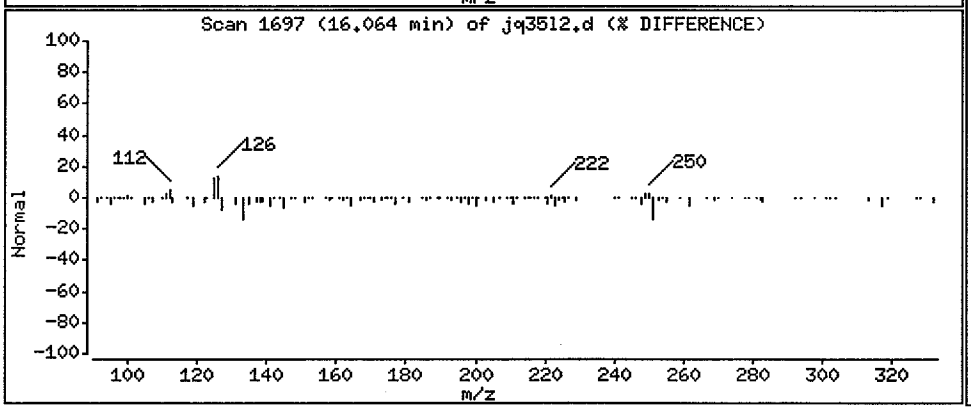
53 Perylene

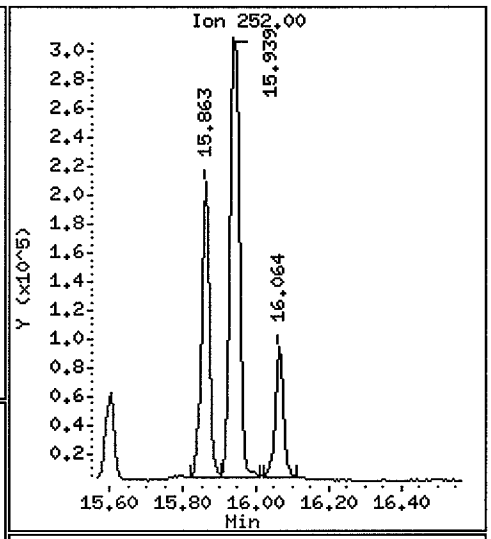
Concentration: 121.6 ug/kg

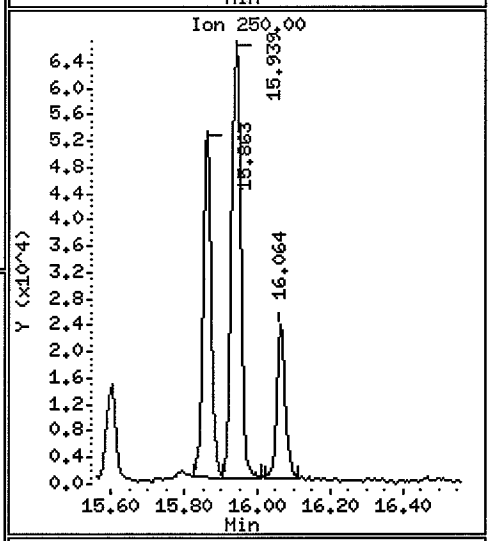


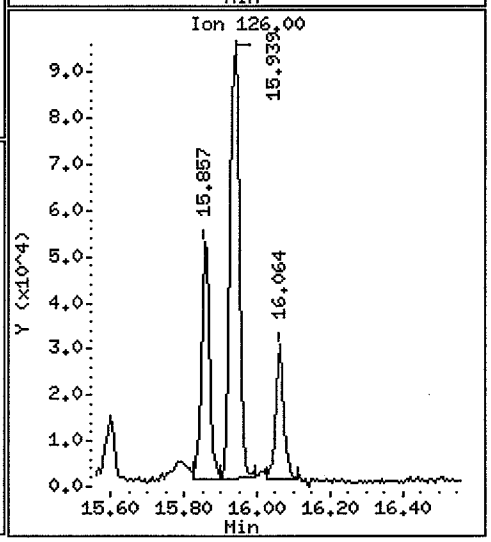












ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-06-A
SAMPLE

Lab Sample ID: JQ35M
LIMS ID: 06-12968
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 19:31
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: 48.0%
pH: 7.5

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**49**	**83**
91-57-6	2-Methylnaphthalene	49	< 49 U
90-12-0	1-Methylnaphthalene	49	< 49 U
208-96-8	Acenaphthylene	49	< 49 U
83-32-9	**Acenaphthene**	**49**	**350**
86-73-7	**Fluorene**	**49**	**200**
85-01-8	**Phenanthrene**	**49**	**1,600**
120-12-7	**Anthracene**	**49**	**350**
206-44-0	**Fluoranthene**	**49**	**3,800**
129-00-0	**Pyrene**	**49**	**3,200**
56-55-3	**Benzo(a)anthracene**	**49**	**2,000**
218-01-9	**Chrysene**	**49**	**2,600**
205-99-2	**Benzo(b)fluoranthene**	**49**	**2,600**
207-08-9	**Benzo(k)fluoranthene**	**49**	**2,400**
50-32-8	**Benzo(a)pyrene**	**49**	**2,700**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**49**	**1,300**
53-70-3	**Dibenz(a,h)anthracene**	**49**	**520**
191-24-2	**Benzo(g,h,i)perylene**	**49**	**1,400**
198-55-0	**Perylene**	**49**	**880**
92-52-4	Biphenyl	49	< 49 U
581-42-0	2,6-Dimethylnaphthalene	49	< 49 U
832-69-9	1-Methylphenanthrene	49	< 49 U
192-97-2	**Benzo(e)pyrene**	**49**	**1,600**
2245-38-7	2,3,5-Trimethylnaphthalene	49	< 49 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	66.7%
d14-Dibenzo(a,h)anthracen	75.3%

FORM I

YZ 8/9/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq35m10.d
Lab Smp Id: JQ35M — Client Smp ID: T4-S3-06-A
Inj Date : 07-AUG-2006 19:31
Operator : VTS — Inst ID: nt1.i
Smp Info : JQ35M,10
Misc Info : 06-12968
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: 21
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	19.60000	Weight of sample extracted (g)
M	48.00000	% 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)	282329	2.00000	
2 Naphthalene	128	6.914	6.915	(1.003)	23260	0.16517	81.03
$ 3 2-Methylnaphthalene-d10	152	7.647	7.648	(1.110)	14512	0.19956	97.90
4 2-Methylnaphthalene	142	7.683	7.683	(1.115)	7519	0.09016 J	44.23
5 1-Methylnaphthalene	142	7.819	7.813	(1.135)	4732	0.05409 J	26.54
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.953	8.954	(1.000)	148056	2.00000	
9 Acenaphthene	153	8.995	8.989	(1.005)	52065	0.71618	351.3
10 Dibenzofuran	168	9.184	9.178	(1.026)	16761	0.15652	76.79
11 Fluorene	166	9.603	9.604	(1.073)	33770	0.40510	198.7
* 15 Phenanthrene-d10	188	10.768	10.762	(1.000)	235343	2.00000	
16 Phenanthrene	178	10.791	10.792	(1.002)	382865	3.16947	1555
17 Anthracene	178	10.850	10.851	(1.008)	86710	0.71829	352.4
19 Fluoranthene	202	12.292	12.287	(1.142)	948024	7.69433	3775
20 Pyrene	202	12.582	12.577	(0.893)	945628	6.61013	3243

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
22 Benzo(a)anthracene	228	14.060	14.054	(0.998)	552874	4.12105	2022
* 23 Chrysene-d12	240	14.083	14.078	(1.000)	222786	2.00000	
24 Chrysene	228	14.113	14.107	(1.002)	645403	5.21572	2559
28 Benzo(b)fluoranthene	252	15.460	15.455	(0.964)	653991	5.29842	2599
29 Benzo(k)fluoranthene	252	15.484	15.484	(0.965)	632003	4.80283	2356
30 Benzo(a)pyrene	252	15.957	15.951	(0.995)	651879	5.42004	2659
* 31 Perylene-d12	264	16.040	16.034	(1.000)	218704	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	18.008	18.002	(1.123)	373197	2.69822	1324
$ 32 Dibenz(a,h)anthrancene-d14	292	17.925	17.931	(1.118)	18960	0.22653	111.1
34 Dibenz(a,h)anthracene	278	17.990	17.996	(1.122)	120698	1.06820	524.0
35 Benzo(g,h,i)perylene	276	18.593	18.581	(1.159)	332764	2.89427	1420
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	15.874	15.869	(0.990)	442658	3.32497	1631
53 Perylene	252	16.075	16.075	(1.002)	223289	1.78630	876.3

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq35m10.d
Lab Smp Id: JQ35M
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12968

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-06-A
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	282329	22.20
8 Acenaphthene-d10	129131	64566	258262	148056	14.66
15 Phenanthrene-d10	212850	106425	425700	235343	10.57
23 Chrysene-d12	190817	95408	381634	222786	16.75
31 Perylene-d12	197592	98796	395184	218704	10.68

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.89	6.39	7.39	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	10.77	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

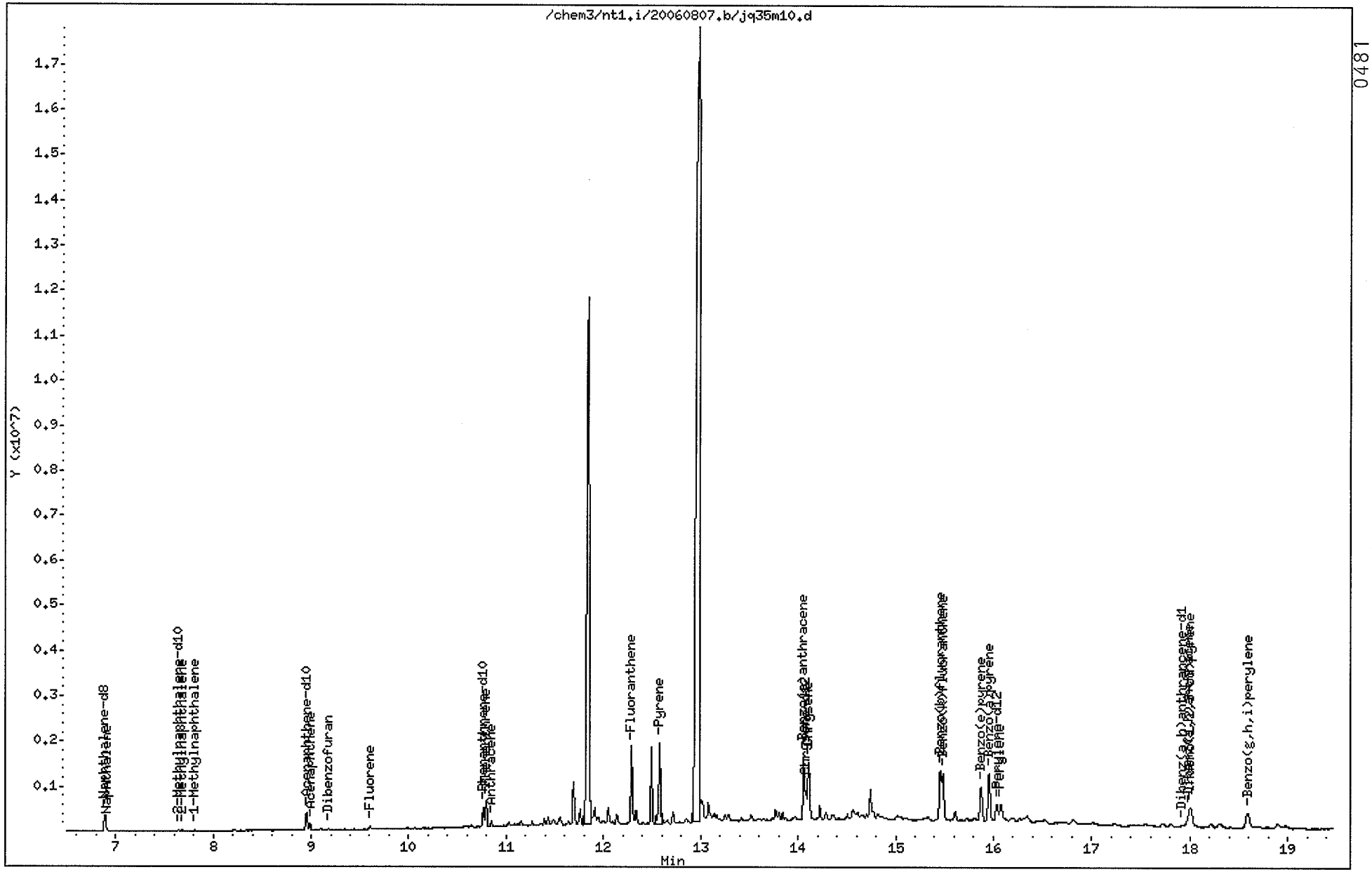
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35M
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12968

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-06-A
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	147.2	97.90	66.52	32-97
$ 32 Dibenz(a,h)anthran	147.2	111.1	75.51	21-105

Data File: /chem3/nt1.i/20060807.b/jq35m10.d
Date : 07-AUG-2006 19:31
Client ID: T4-S3-06-A
Sample Info: JQ35M,10
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0481

Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

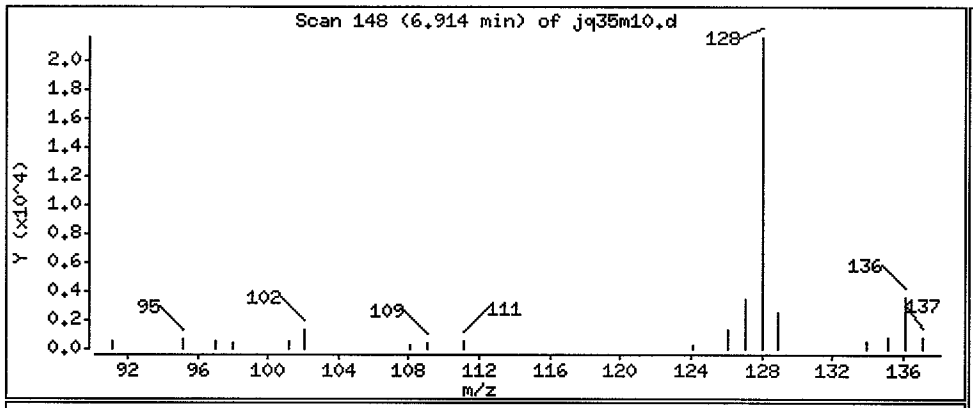
Operator: VTS

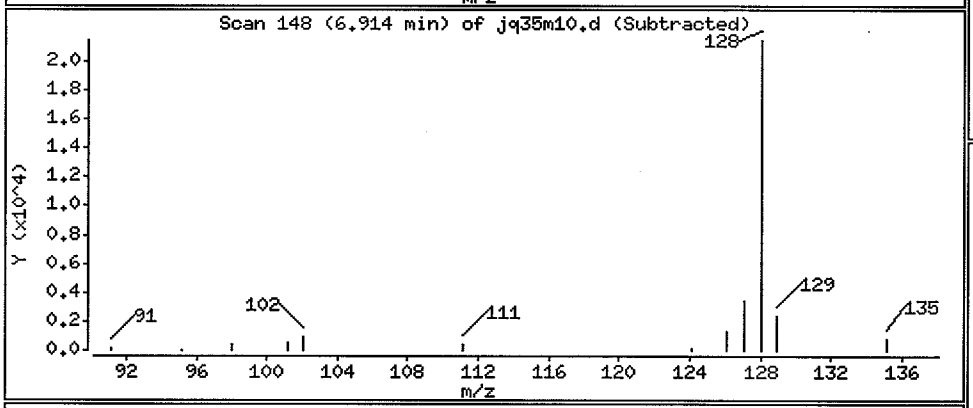
Column phase: ZB-5

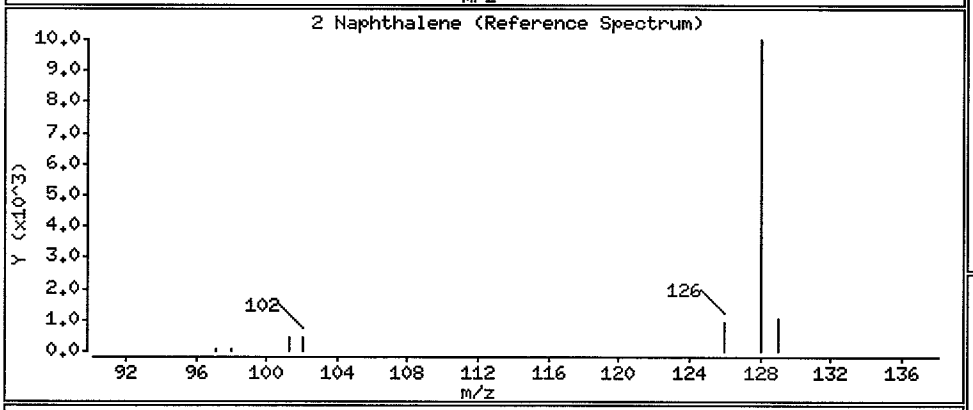
Column diameter: 0.25

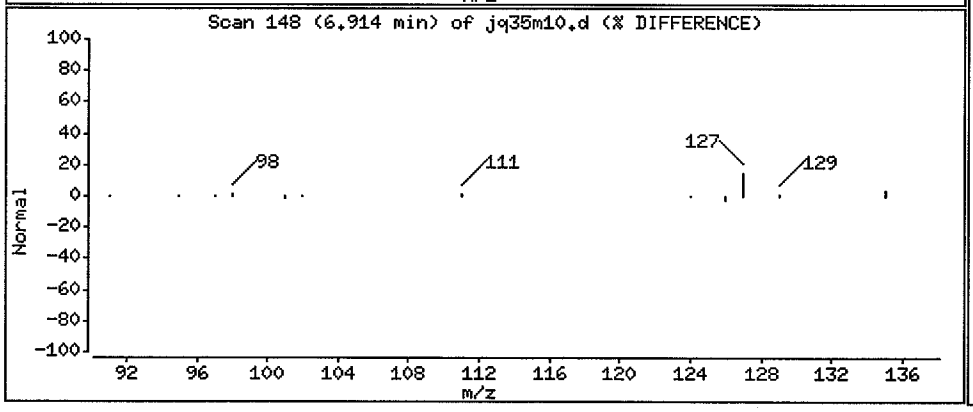
2 Naphthalene

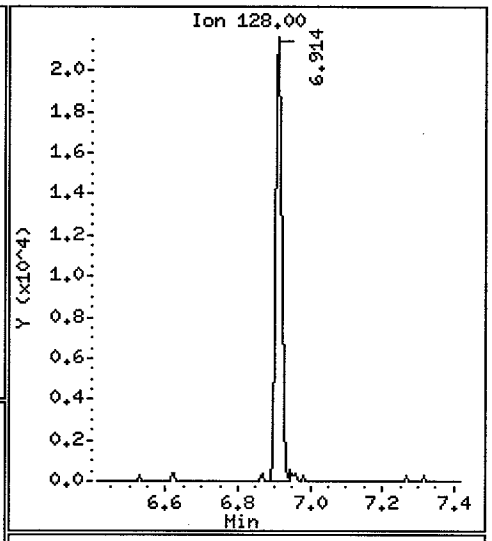
Concentration: 81.03 ug/kg

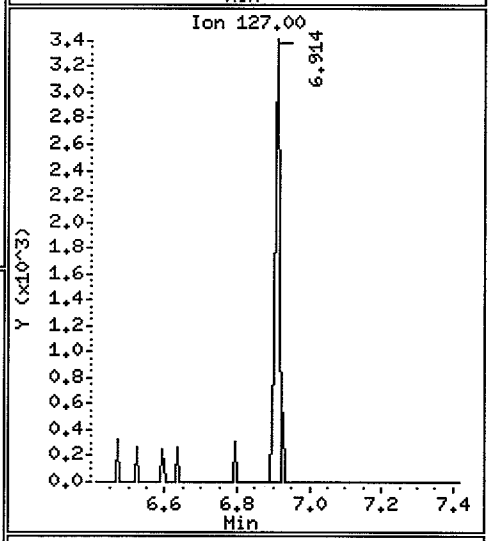


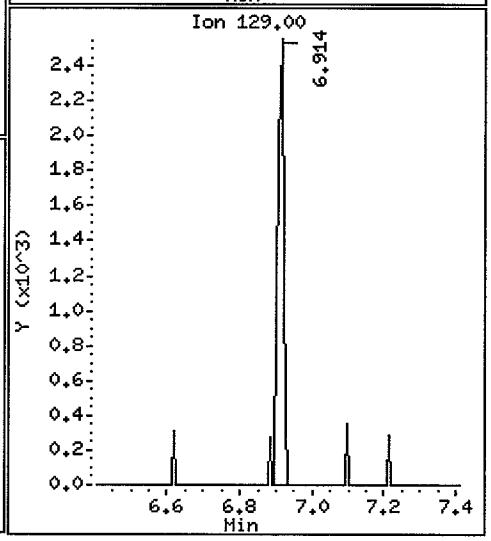












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

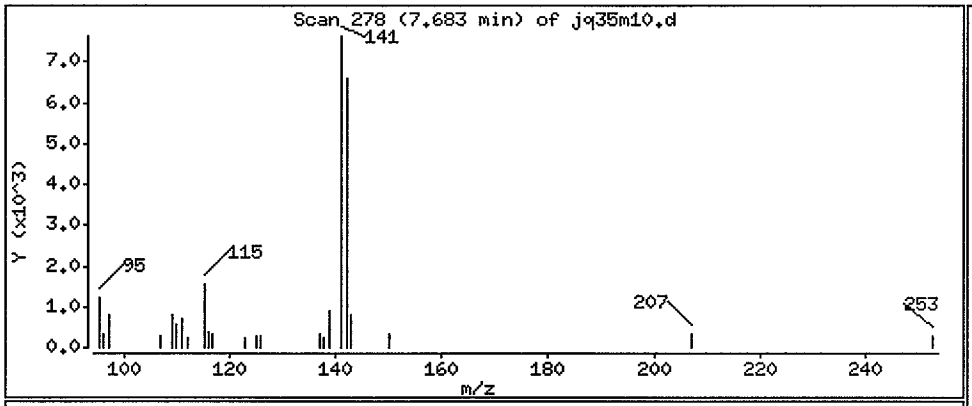
Operator: VTS

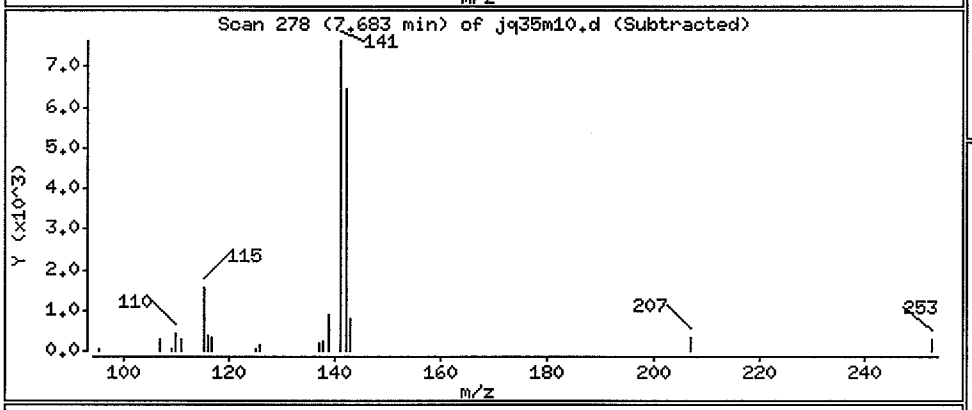
Column phase: ZB-5

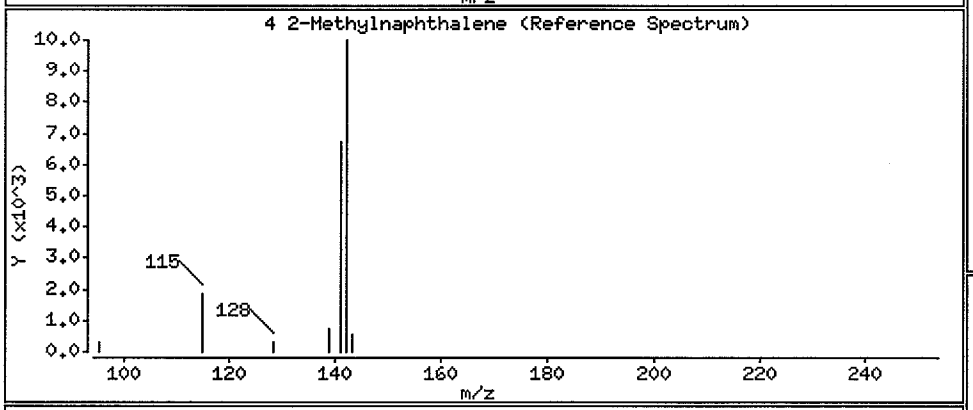
Column diameter: 0.25

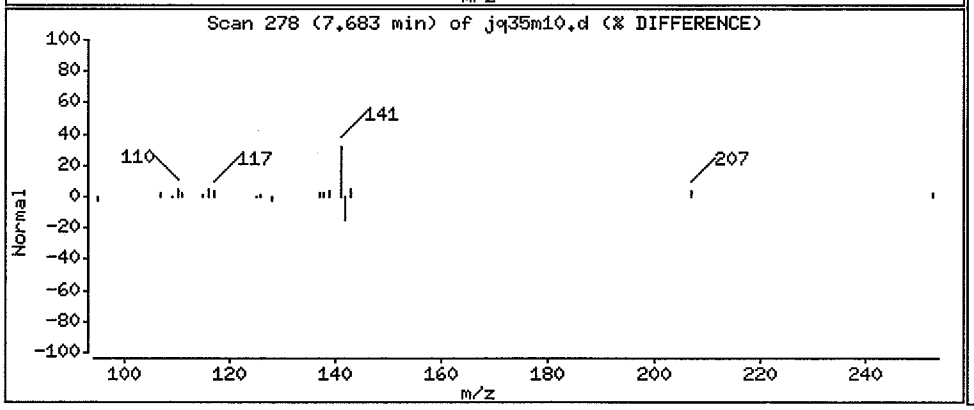
4 2-Methylnaphthalene

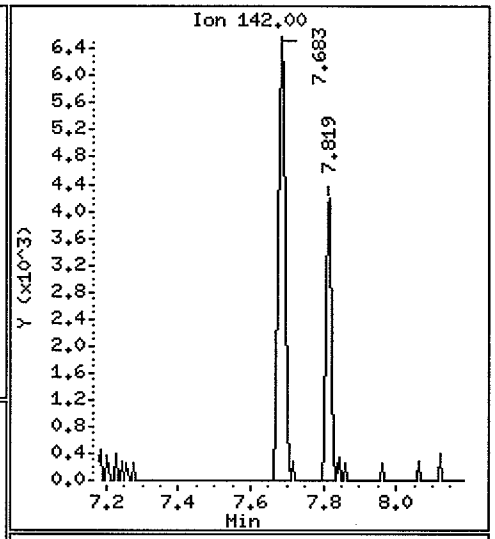
Concentration: 44.23 ug/kg

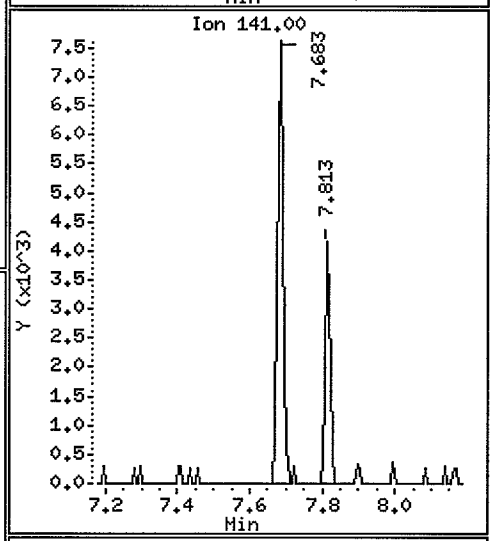


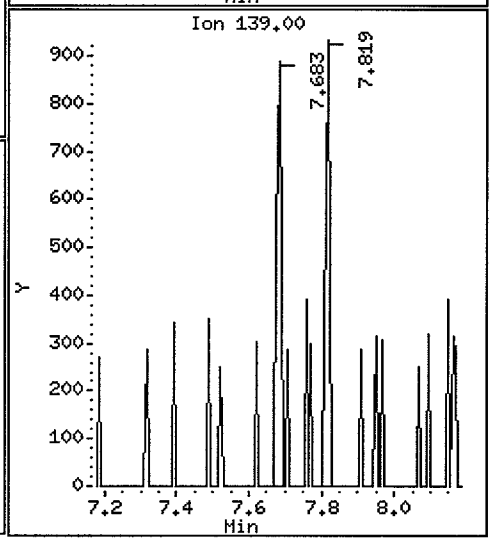












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

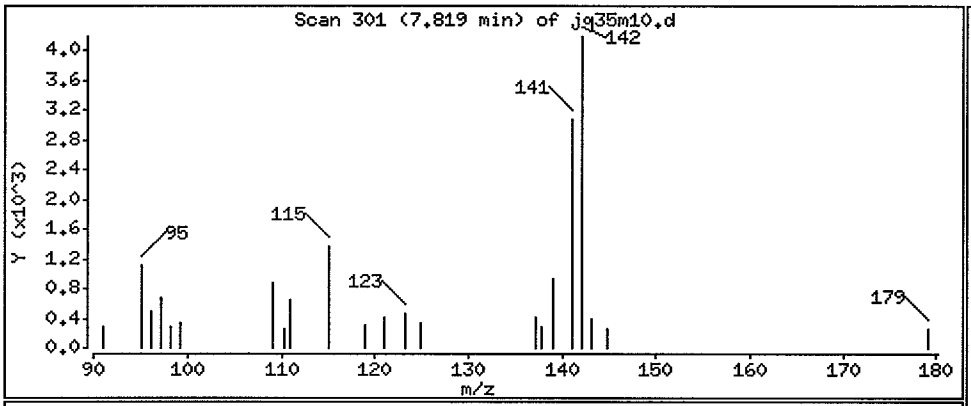
Operator: VTS

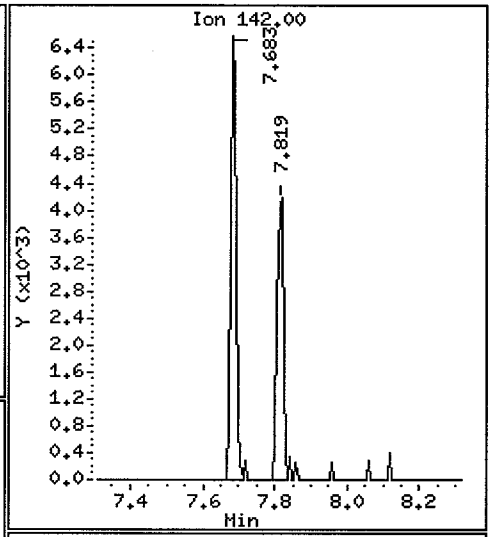
Column phase: ZB-5

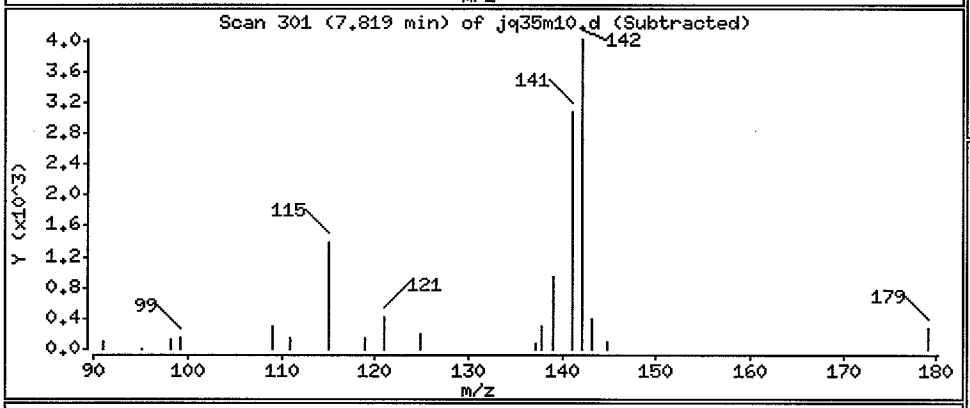
Column diameter: 0.25

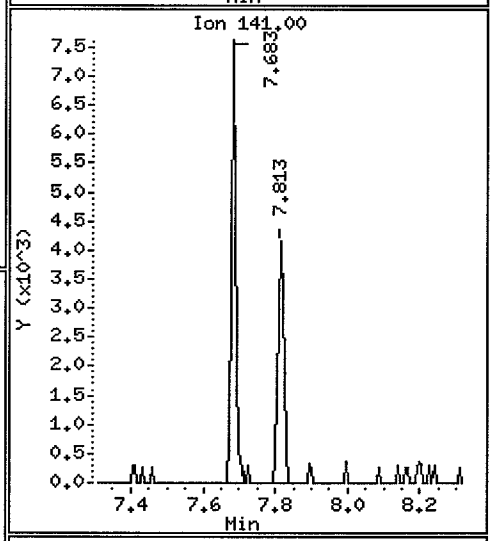
5 1-Methylnaphthalene

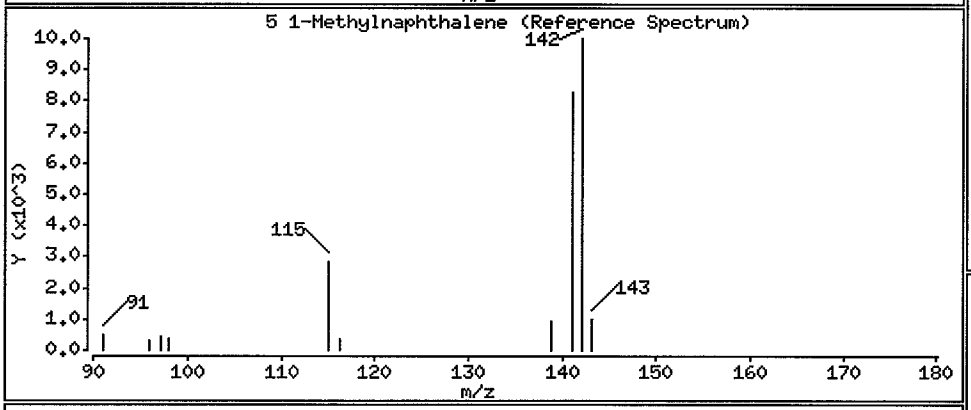
Concentration: 26.54 ug/kg

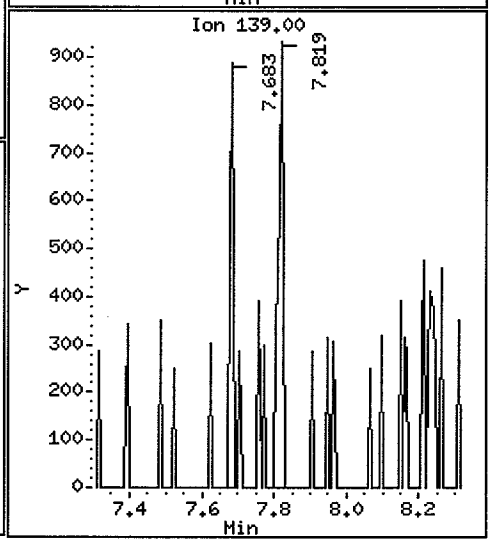


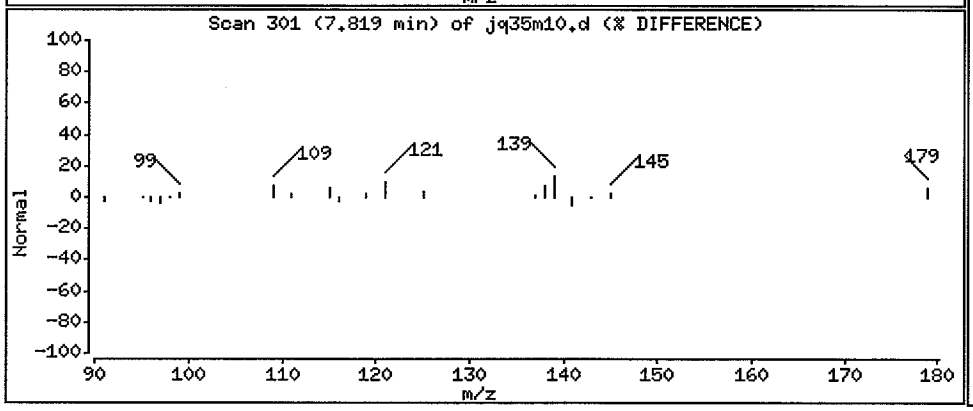












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

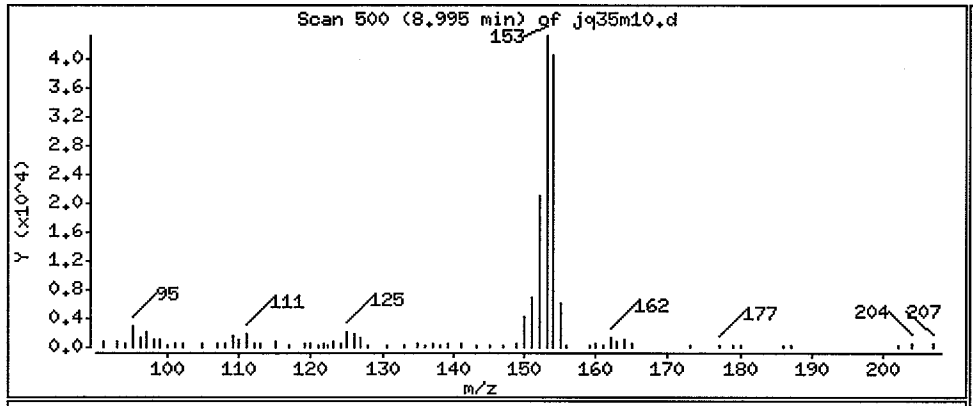
Operator: VTS

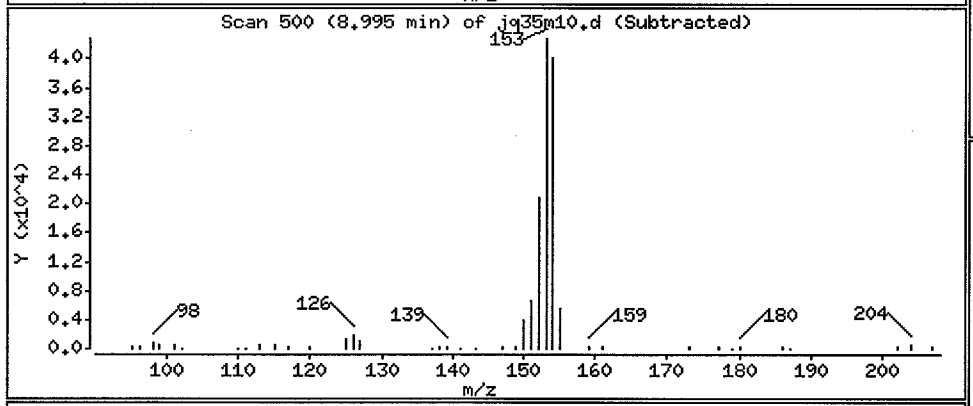
Column phase: ZB-5

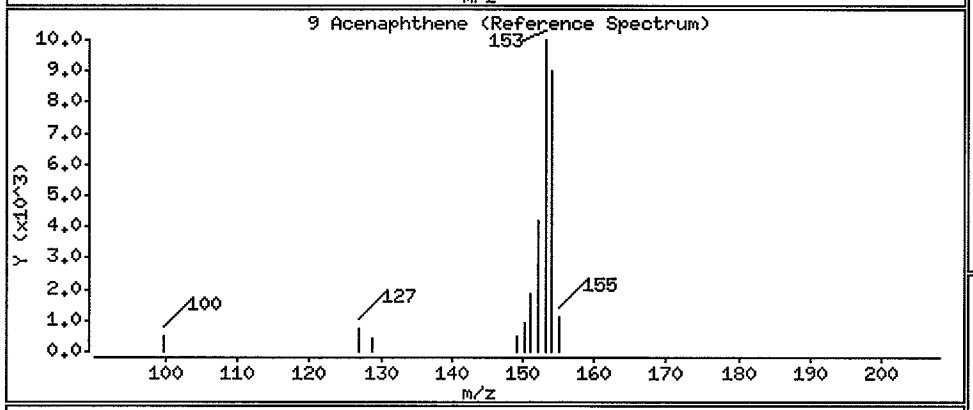
Column diameter: 0.25

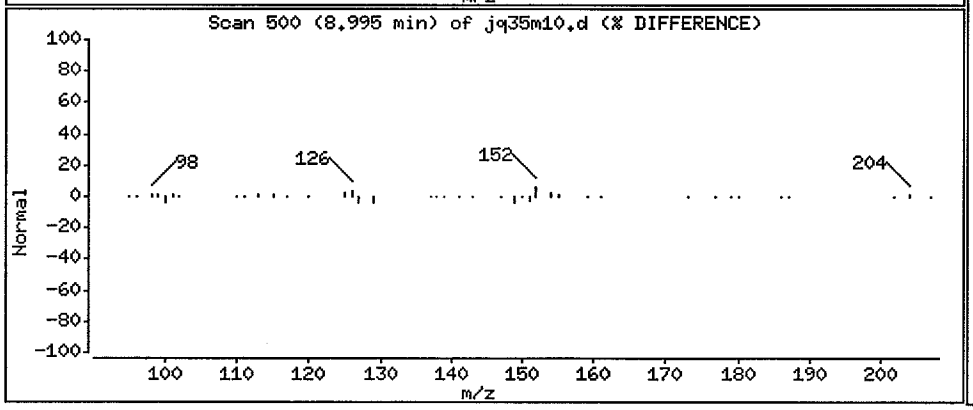
9 Acenaphthene

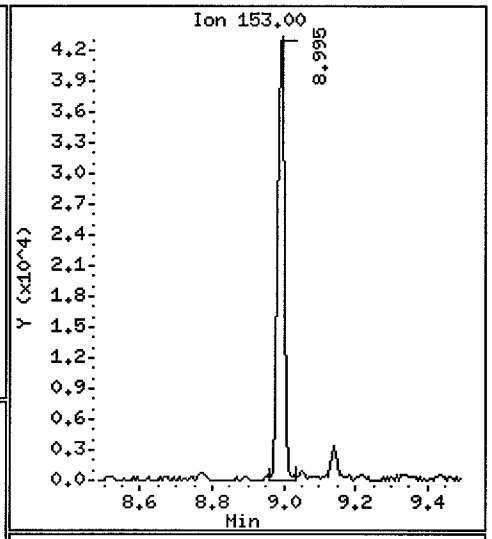
Concentration: 351.3 ug/kg

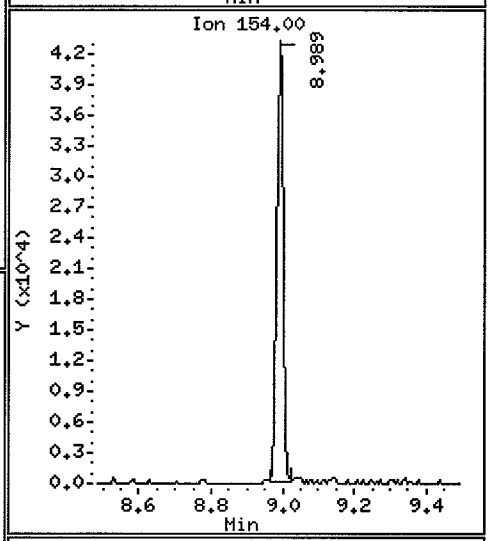


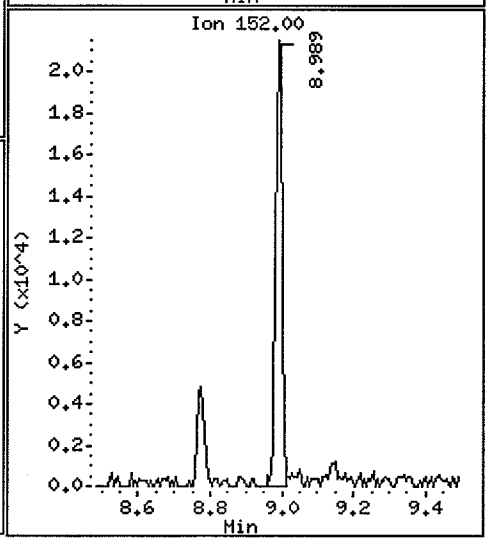












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

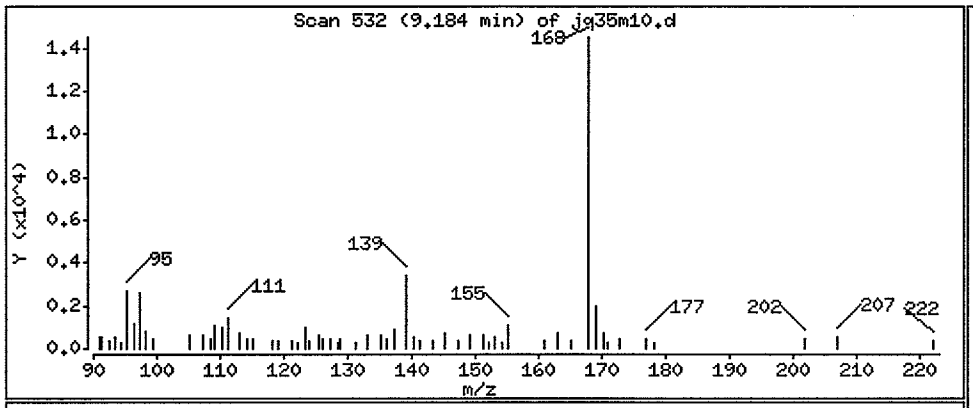
Operator: VTS

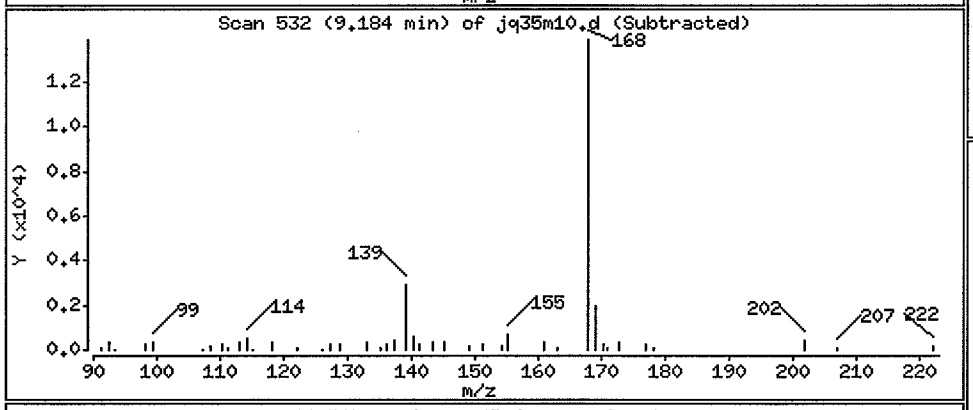
Column phase: ZB-5

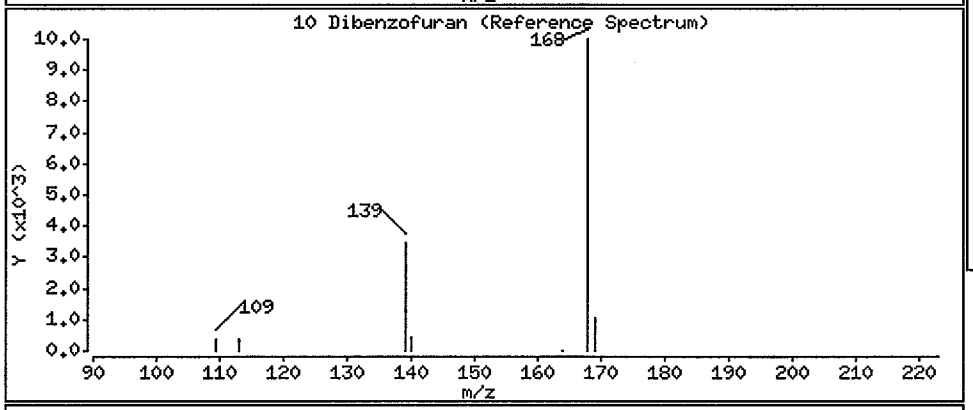
Column diameter: 0.25

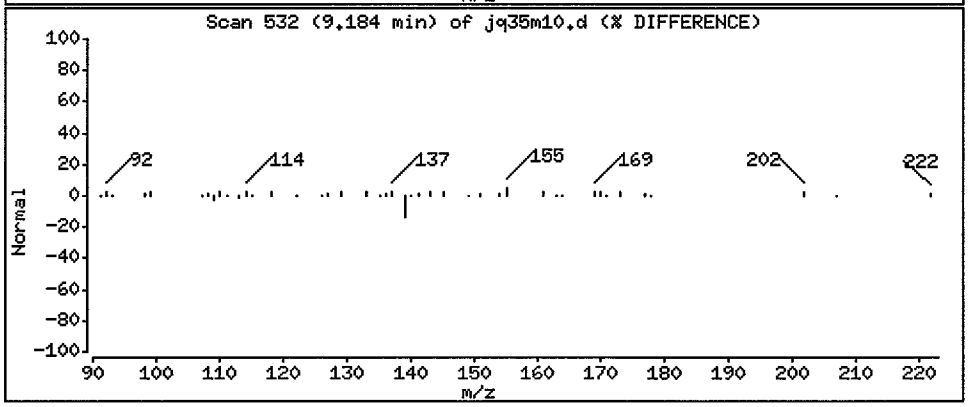
10 Dibenzofuran

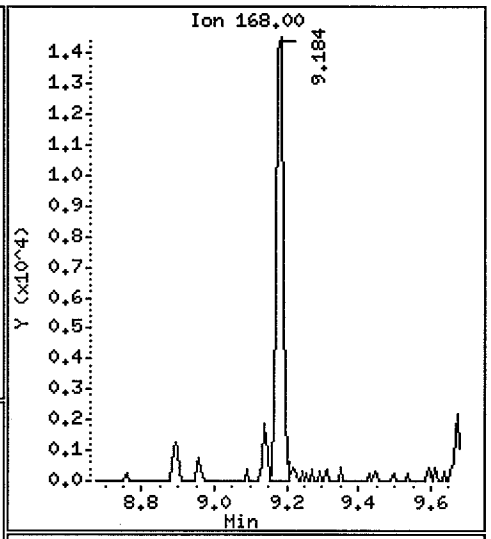
Concentration: 76.79 ug/kg

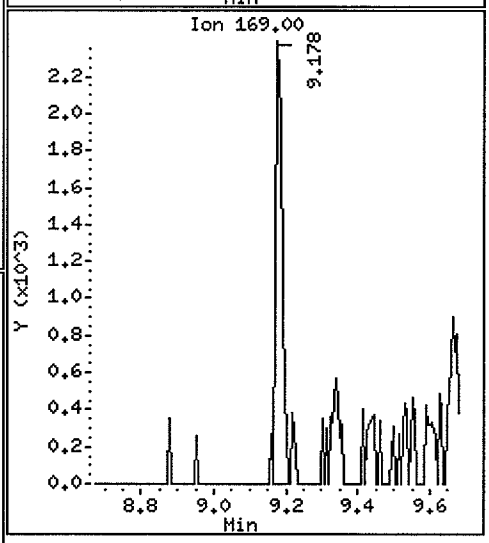












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

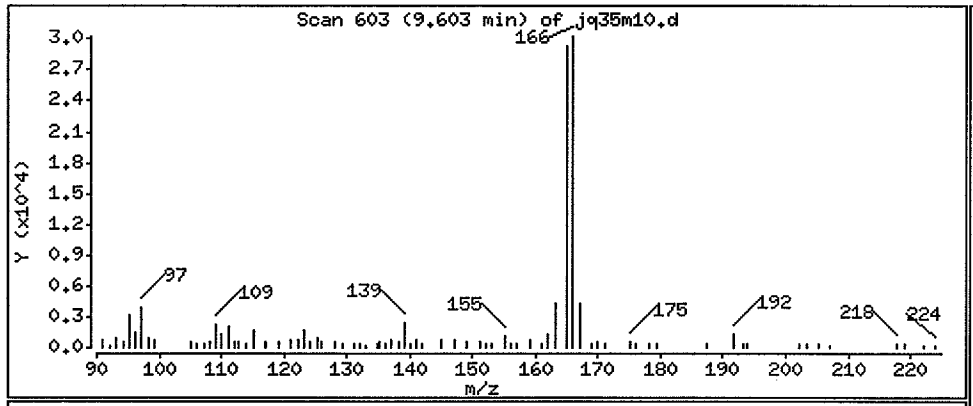
Operator: VTS

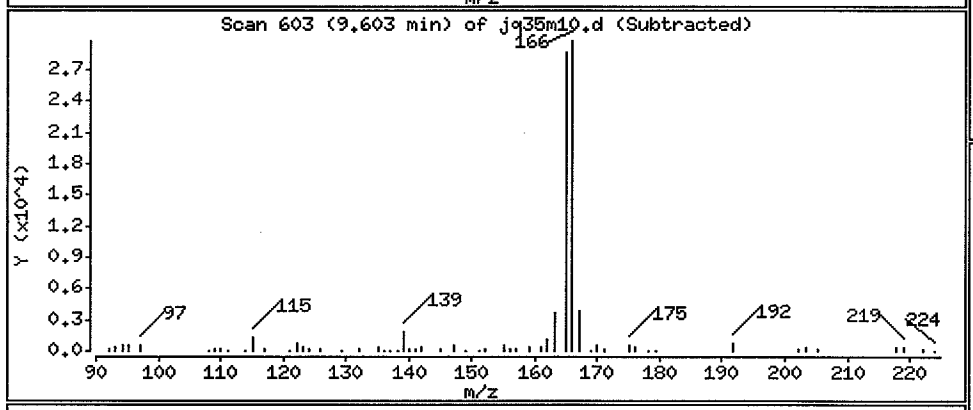
Column phase: ZB-5

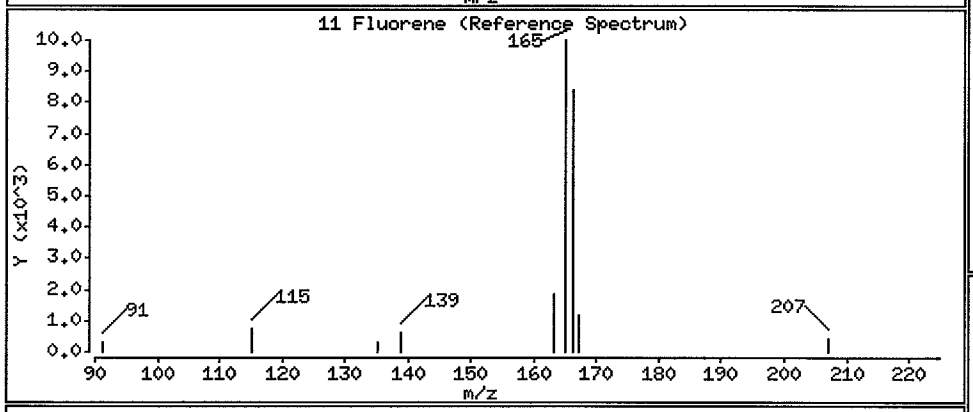
Column diameter: 0.25

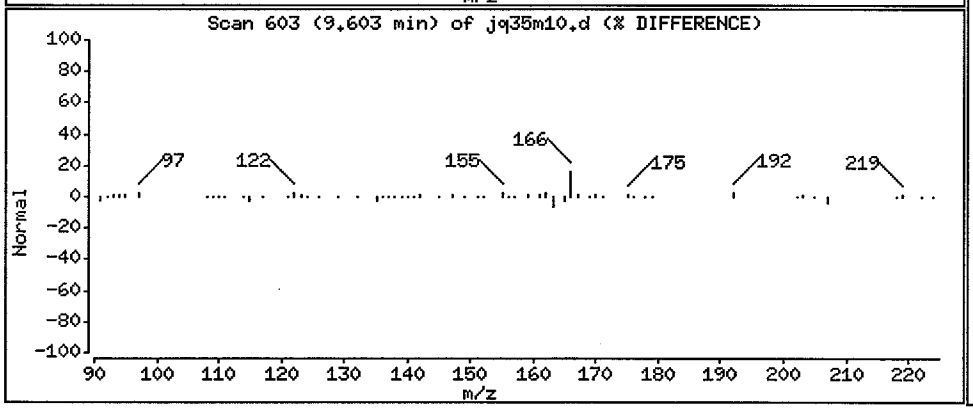
11 Fluorene

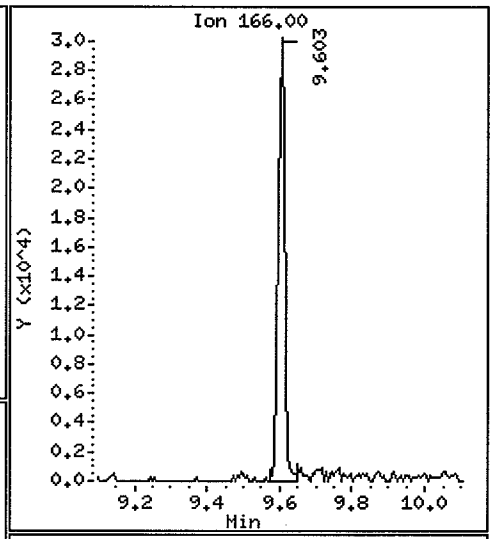
Concentration: 198.7 ug/kg

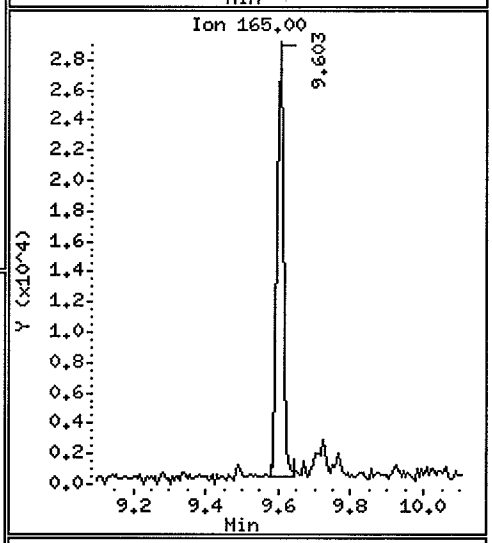


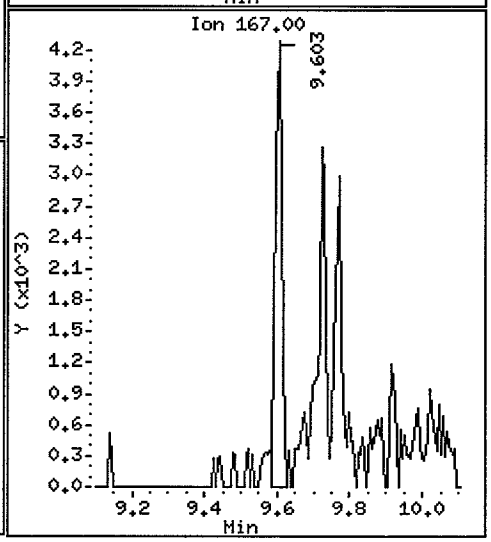












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

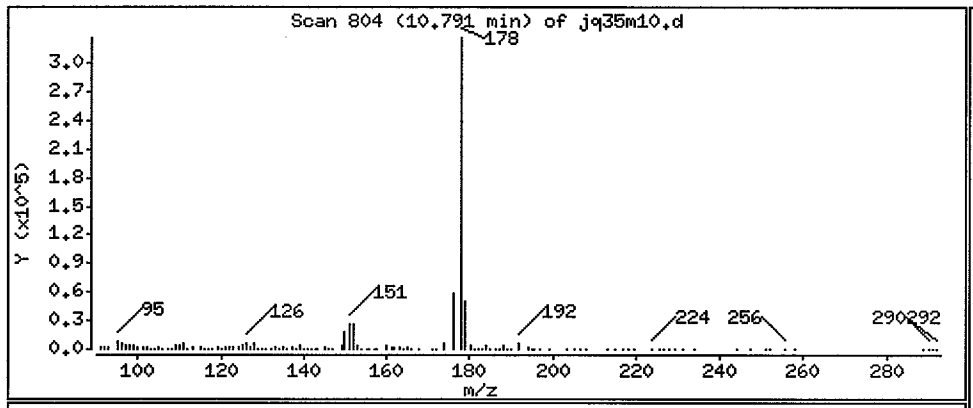
Operator: VTS

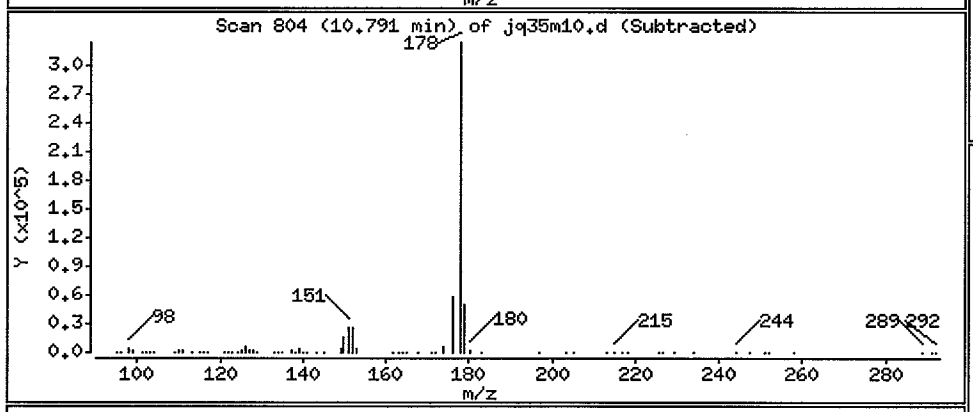
Column phase: ZB-5

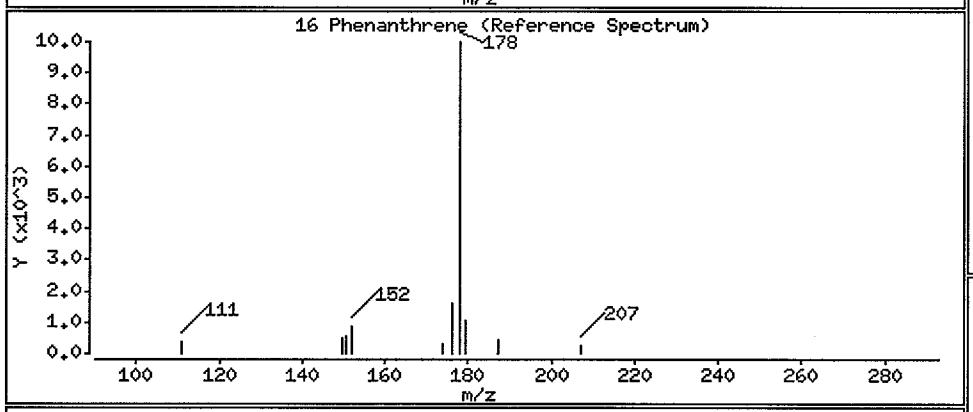
Column diameter: 0.25

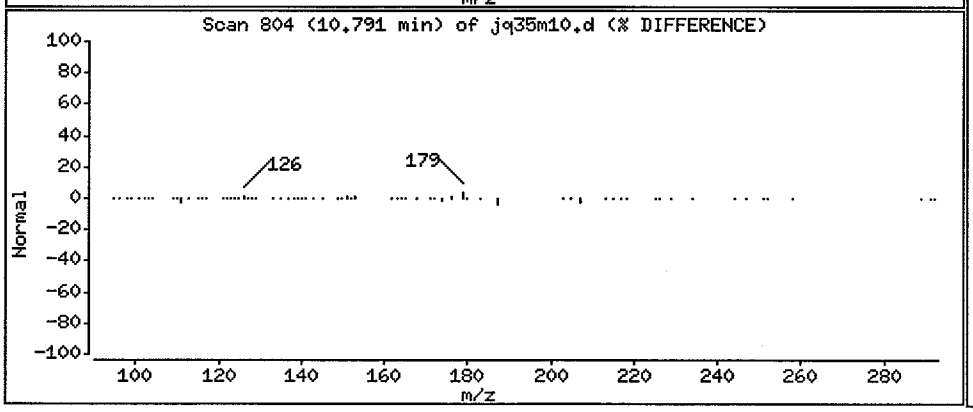
16 Phenanthrene

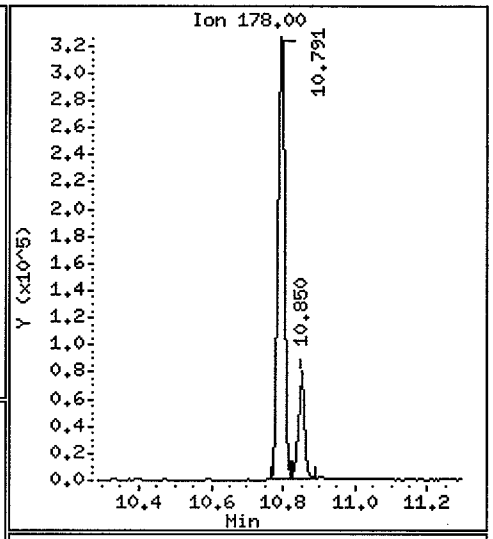
Concentration: 1555 ug/kg

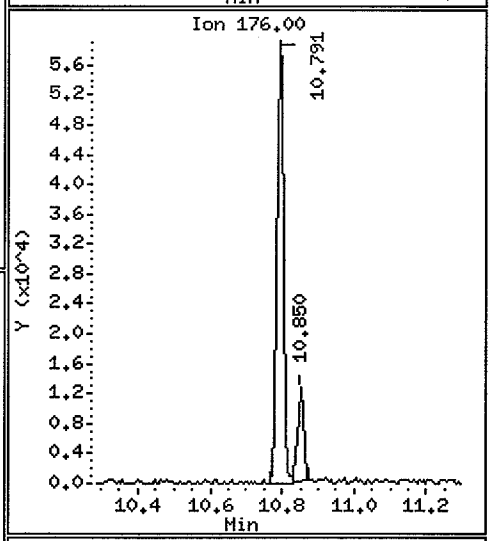


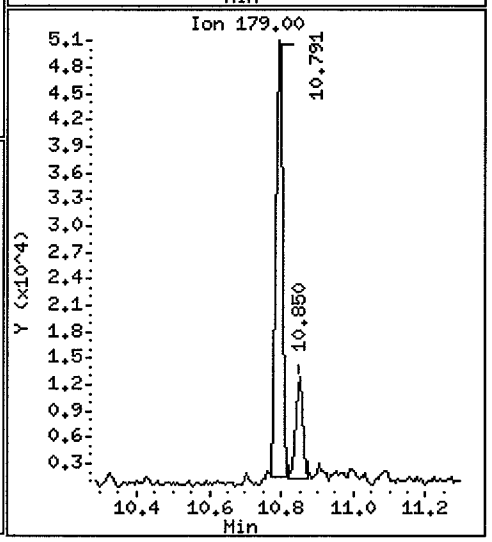












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

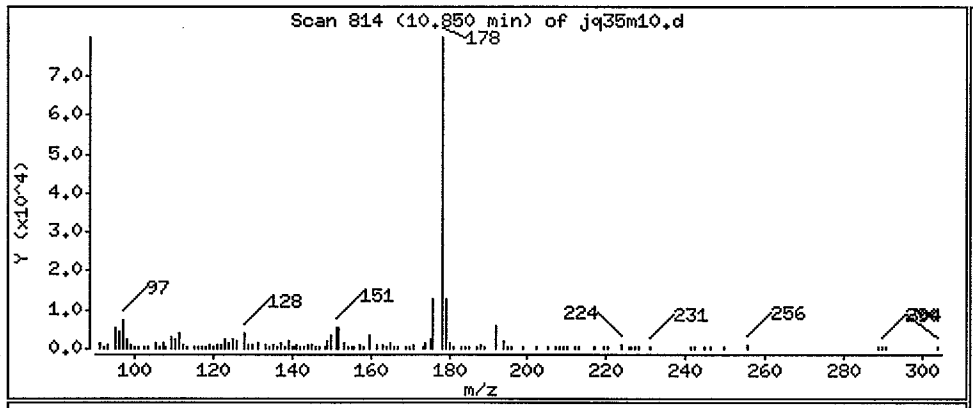
Operator: VTS

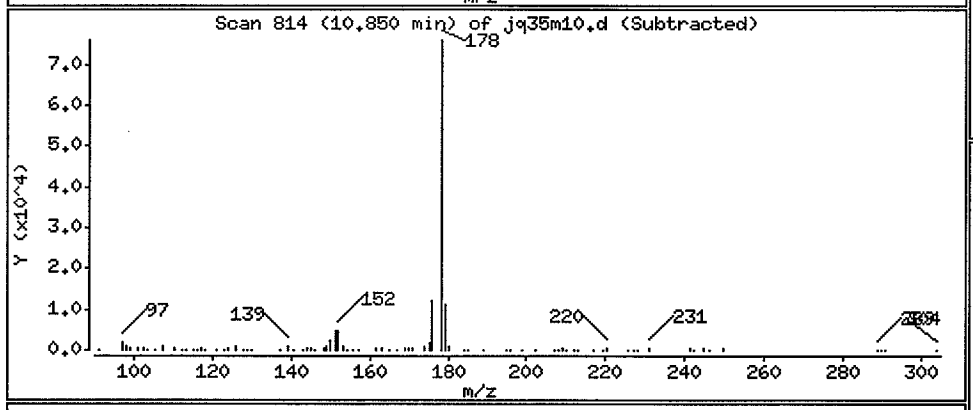
Column phase: ZB-5

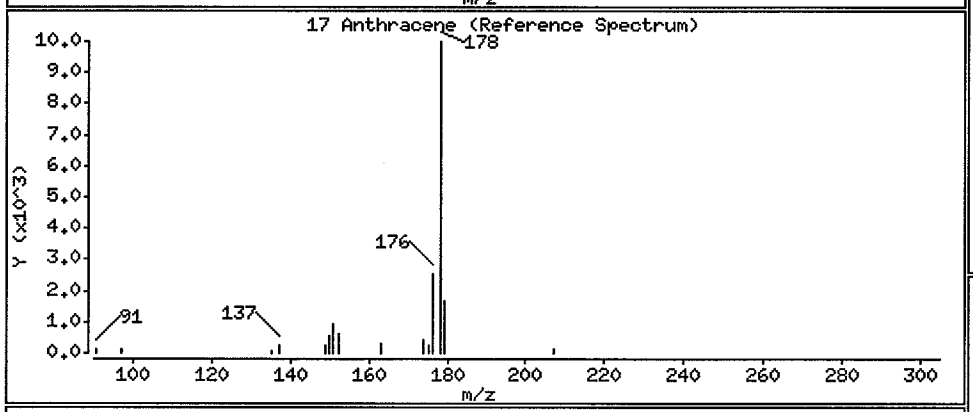
Column diameter: 0.25

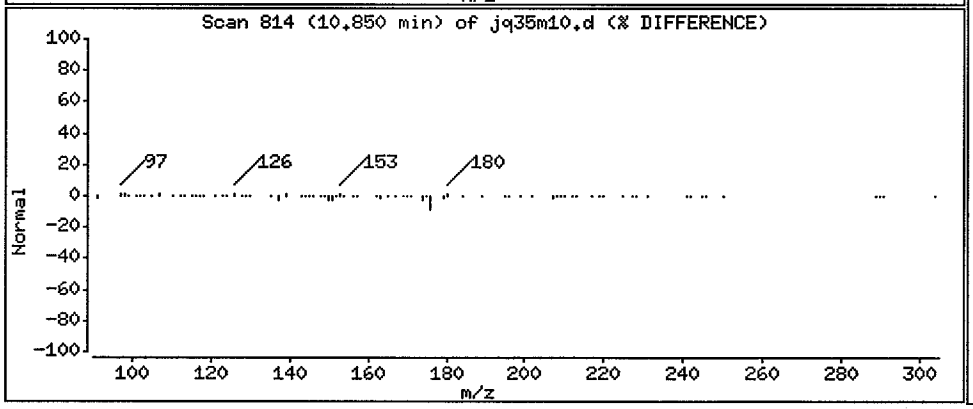
17 Anthracene

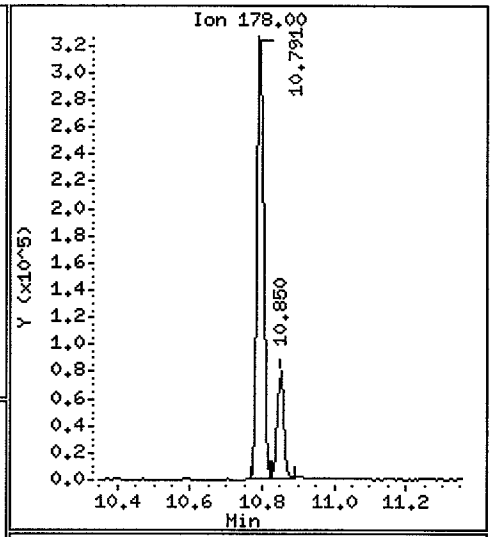
Concentration: 352.4 ug/kg

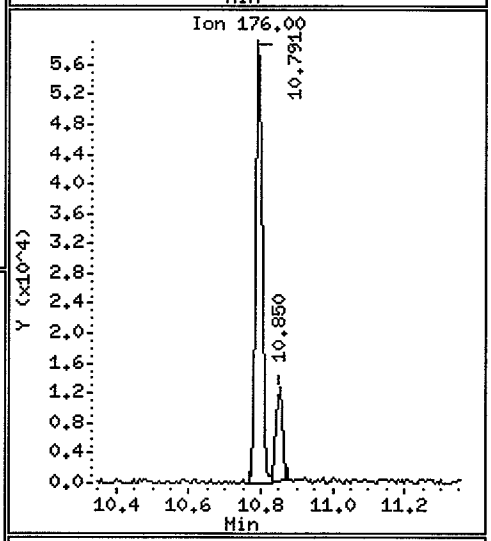


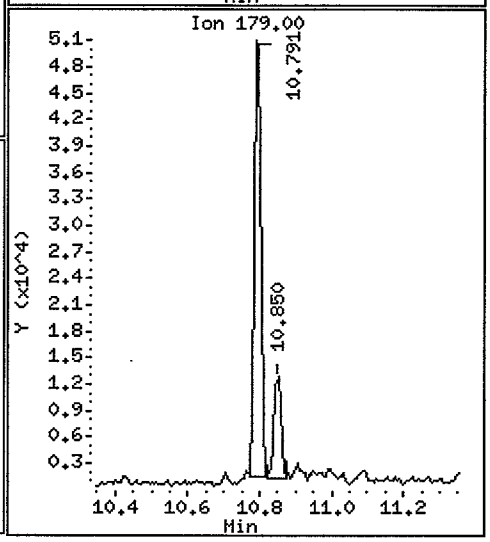












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

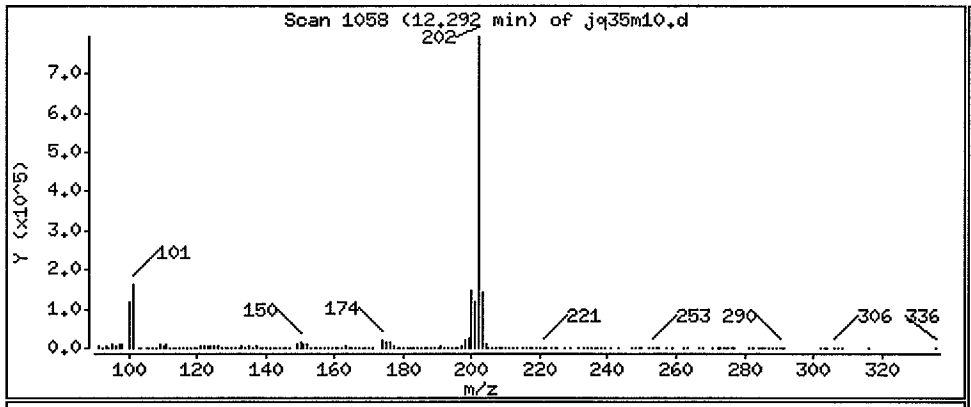
Operator: VTS

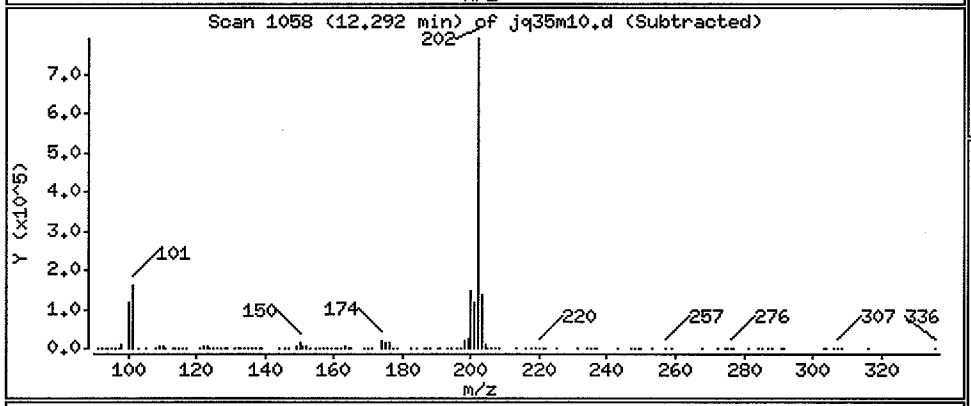
Column phase: ZB-5

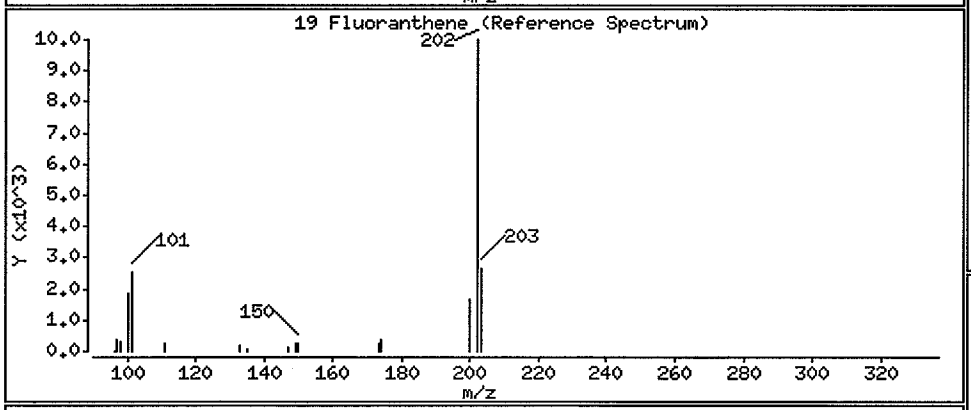
Column diameter: 0.25

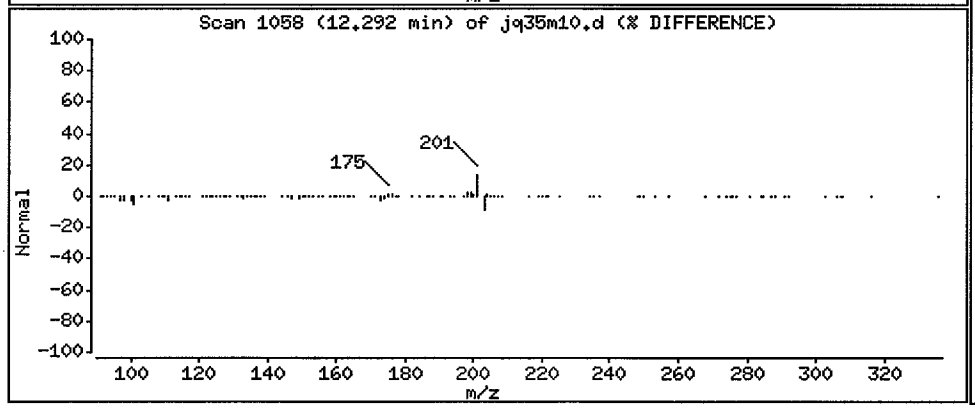
19 Fluoranthene

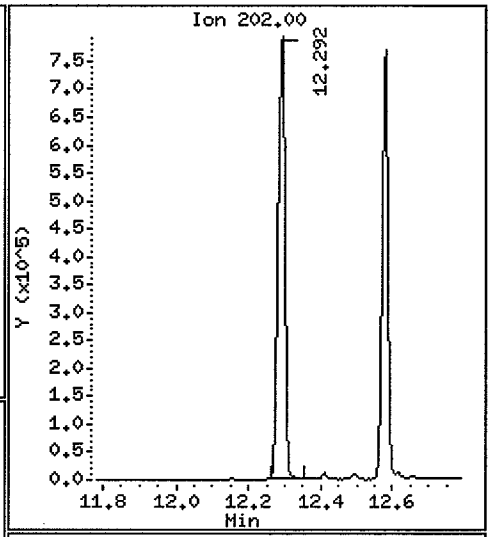
Concentration: 3775 ug/kg

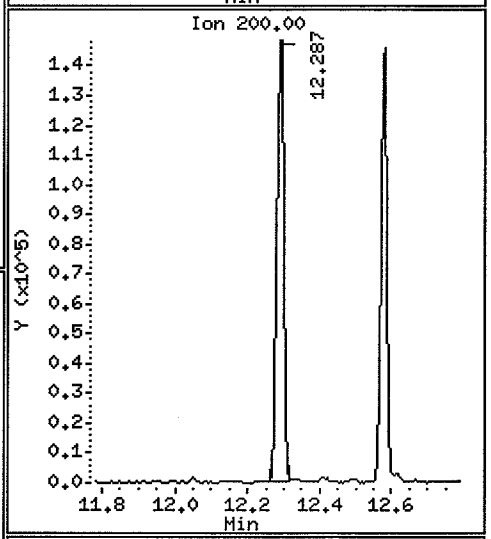


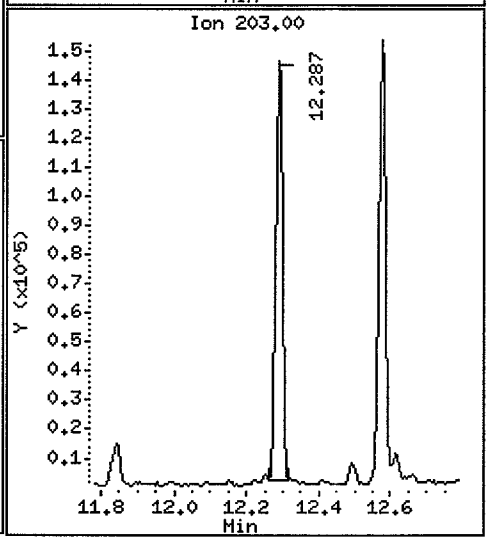












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

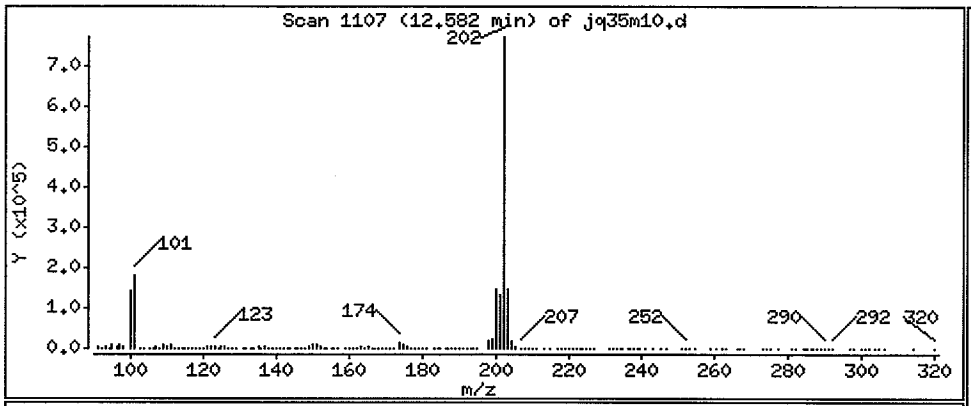
Operator: VTS

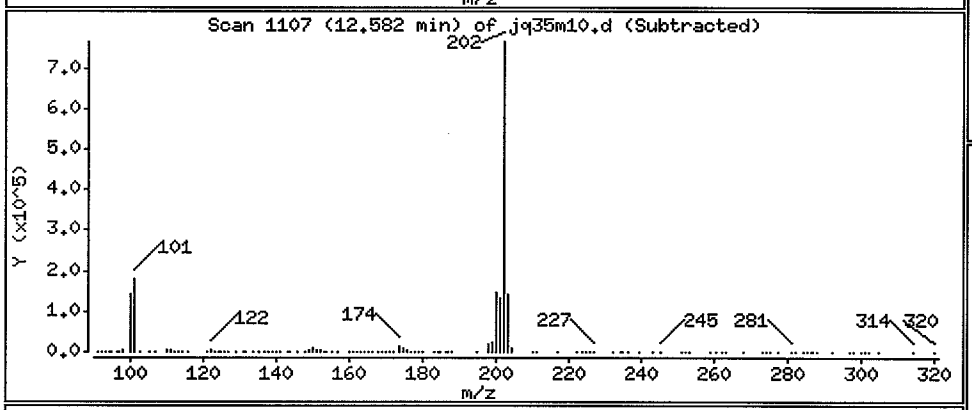
Column phase: ZB-5

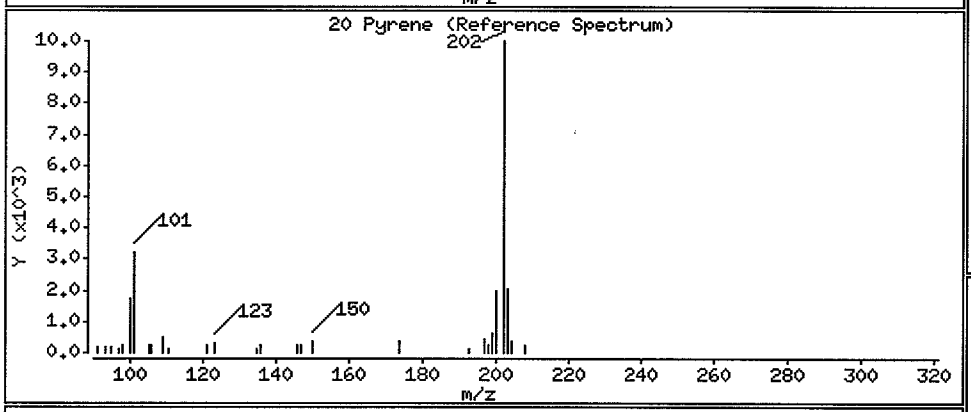
Column diameter: 0.25

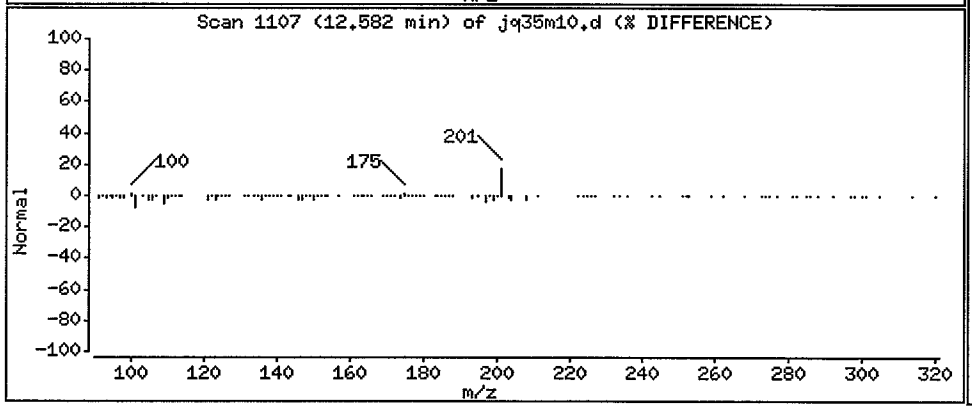
20 Pyrene

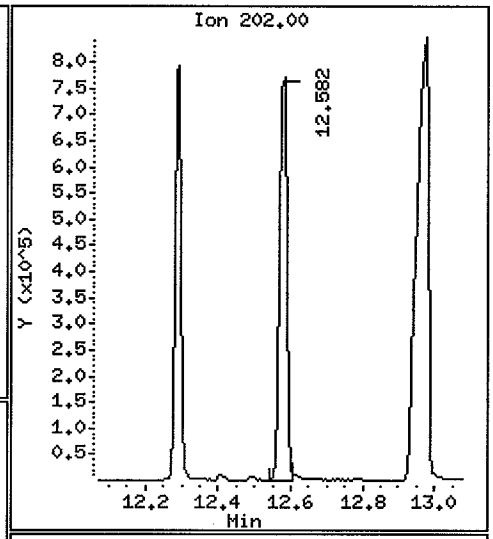
Concentration: 3243 ug/kg

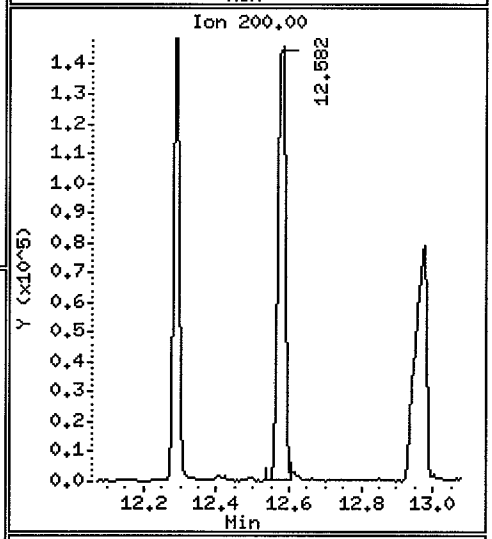


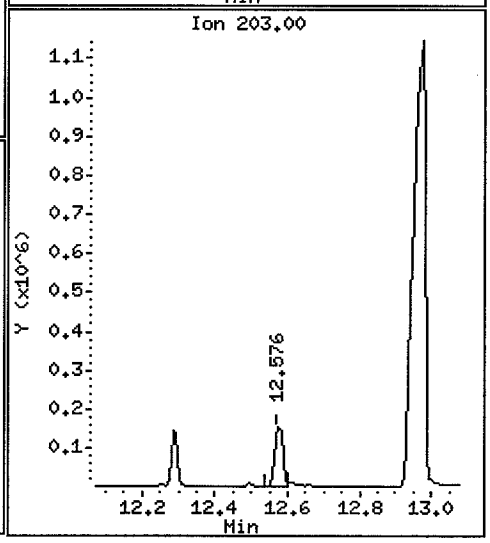












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

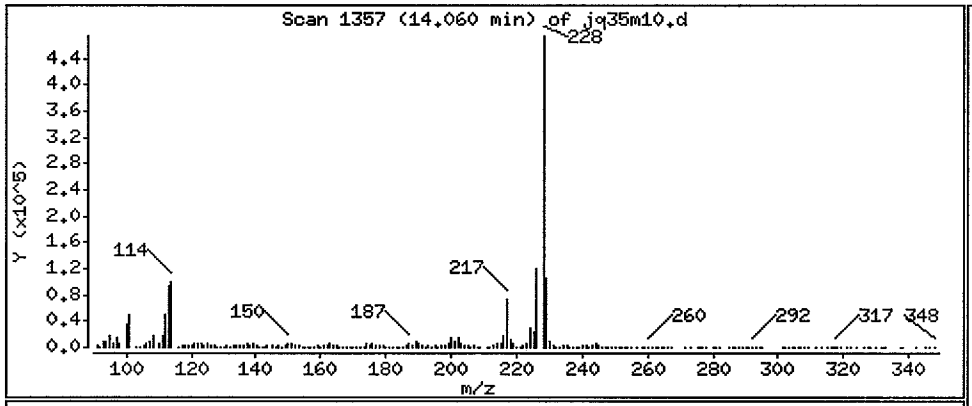
Operator: VTS

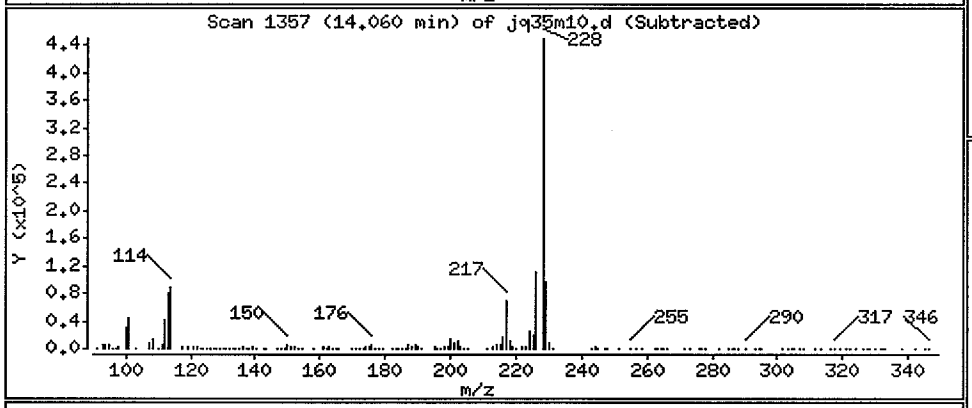
Column phase: ZB-5

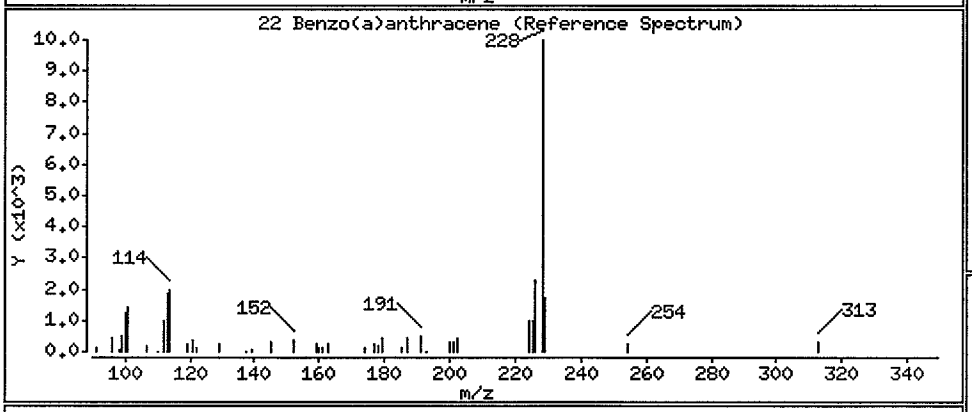
Column diameter: 0.25

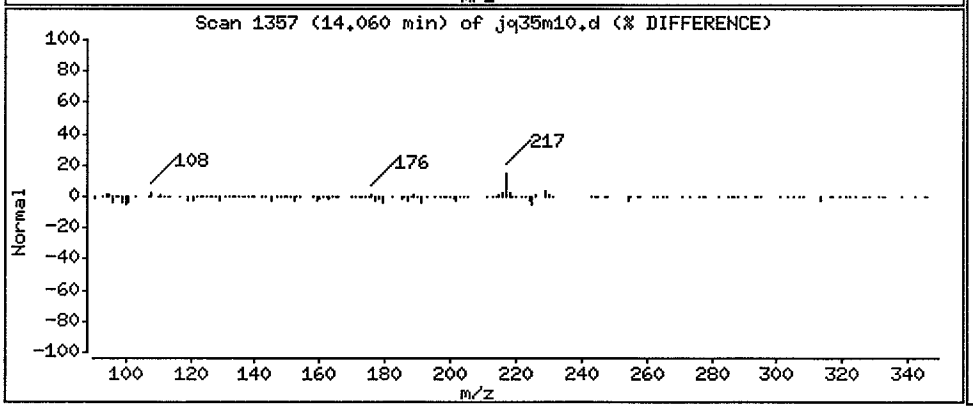
22 Benzo(a)anthracene

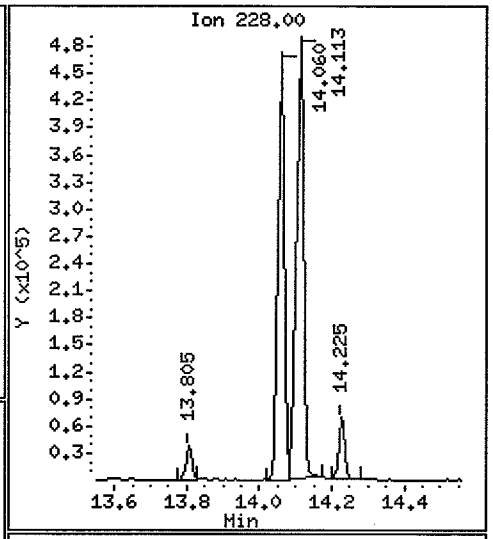
Concentration: 2022 ug/kg

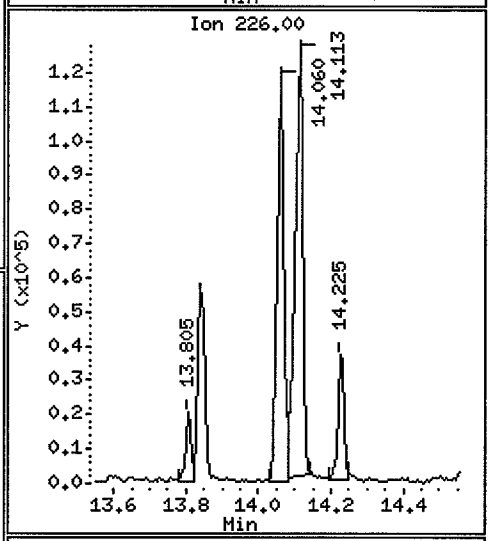


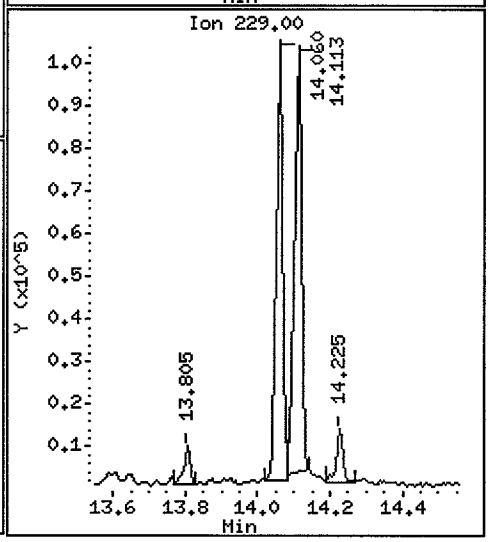












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

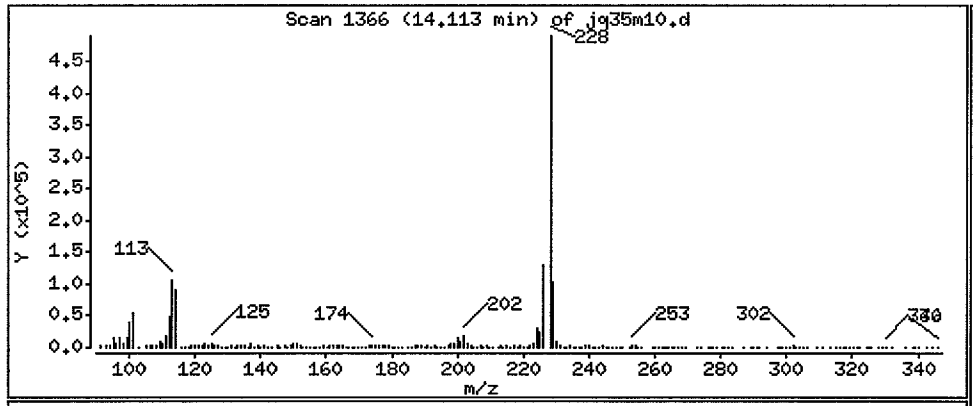
Operator: VTS

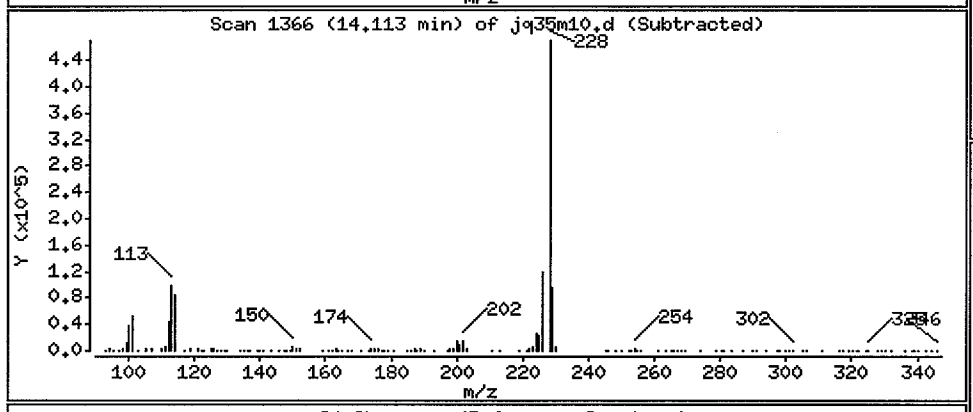
Column phase: ZB-5

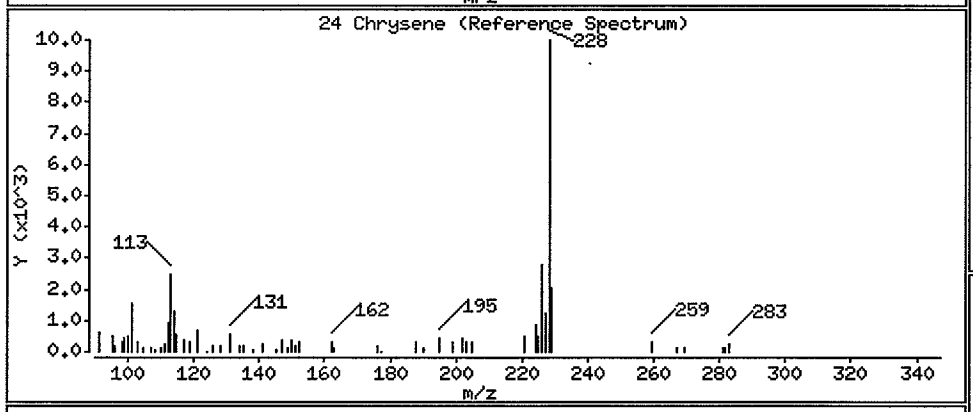
Column diameter: 0.25

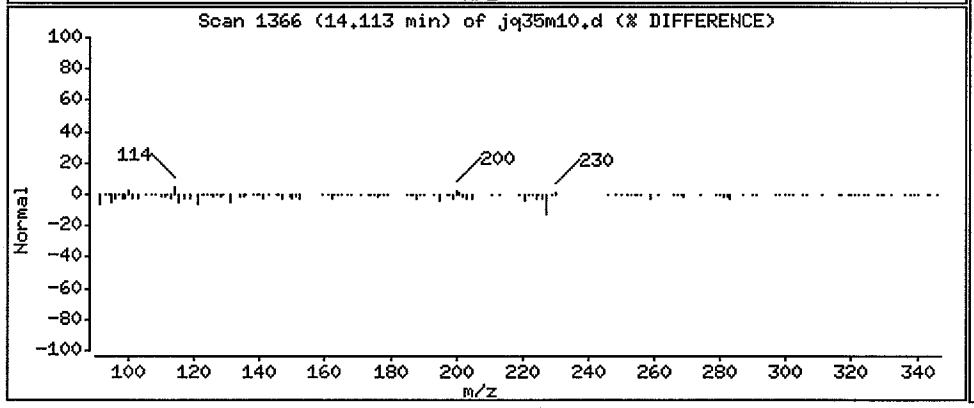
24 Chrysene

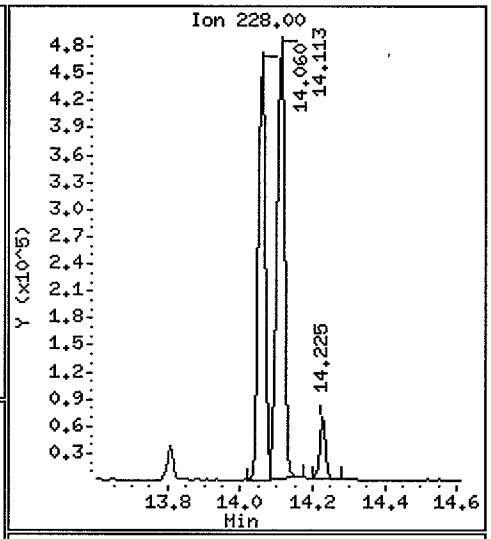
Concentration: 2559 ug/kg

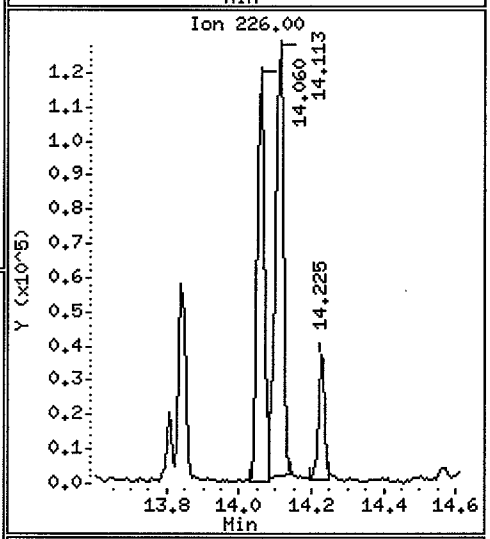


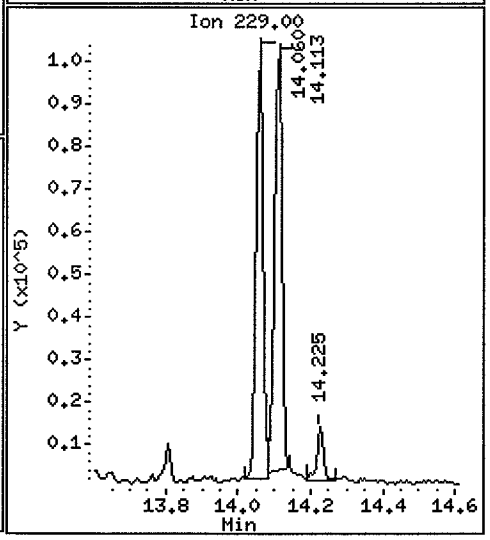












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

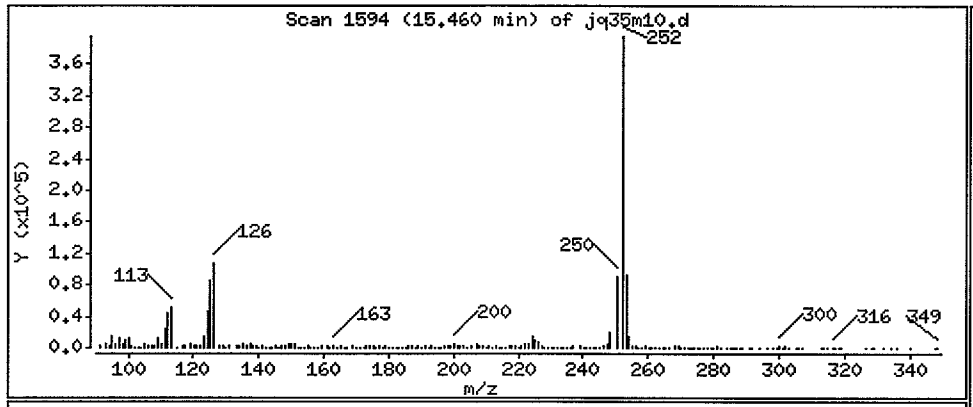
Operator: VTS

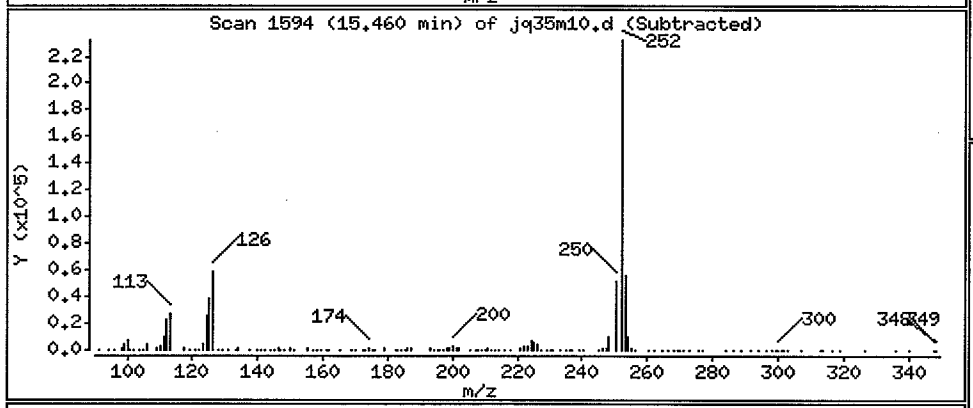
Column phase: ZB-5

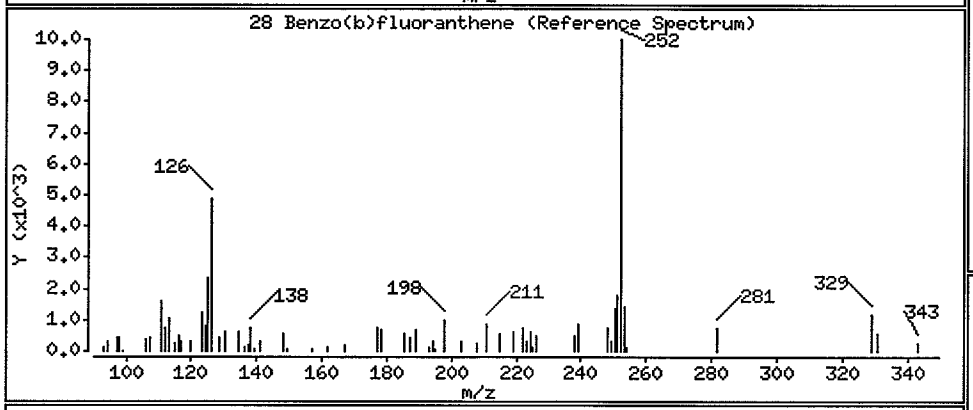
Column diameter: 0.25

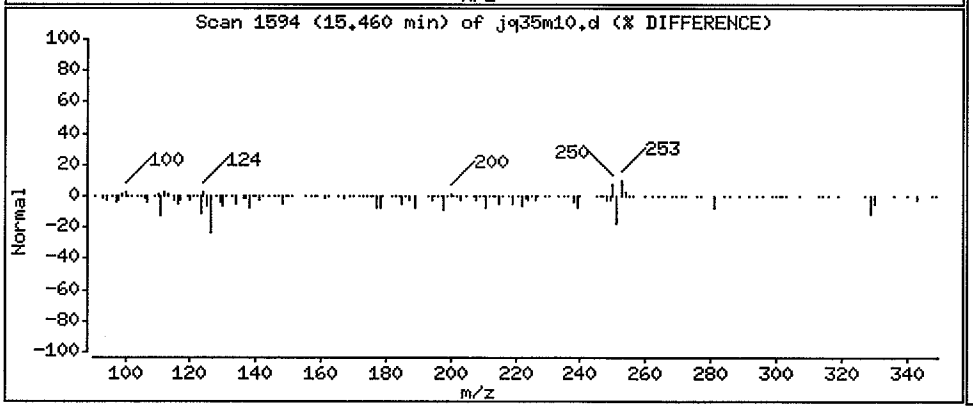
28 Benzo(b)fluoranthene

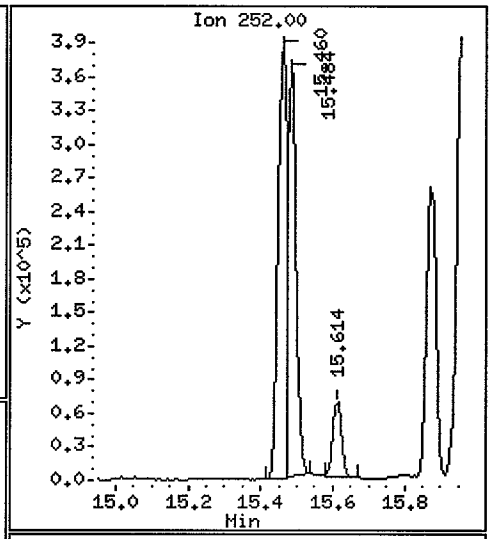
Concentration: 2599 ug/kg

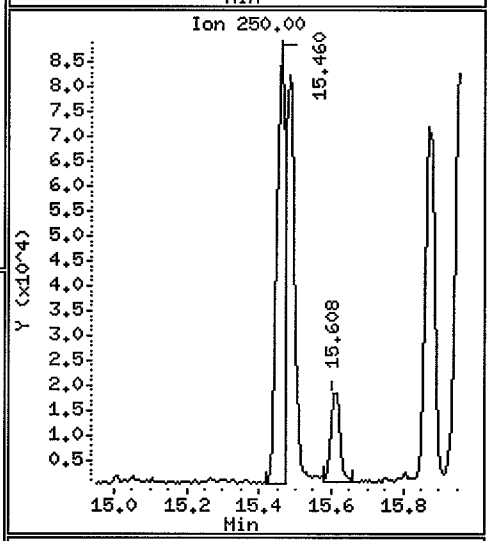


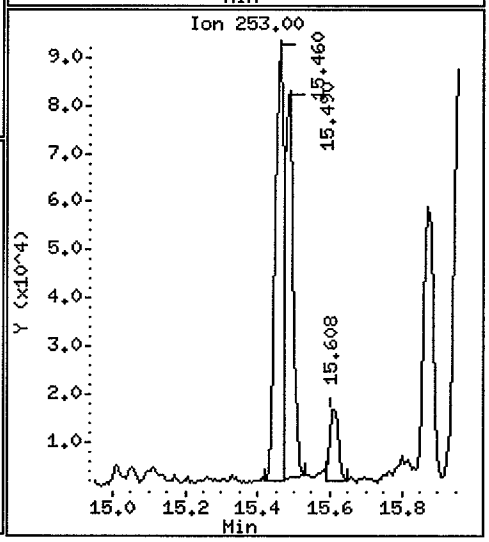












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

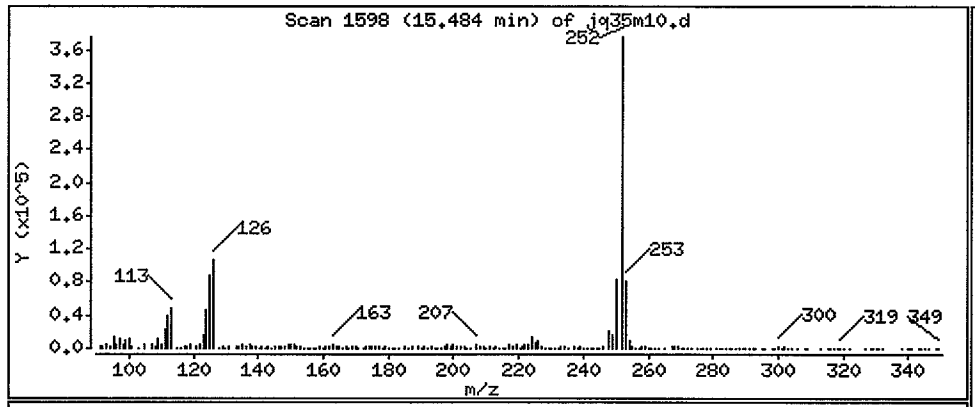
Operator: VTS

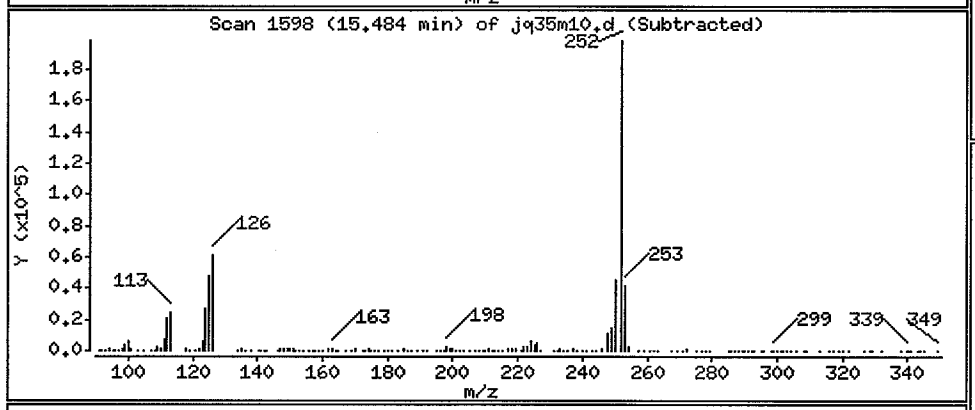
Column phase: ZB-5

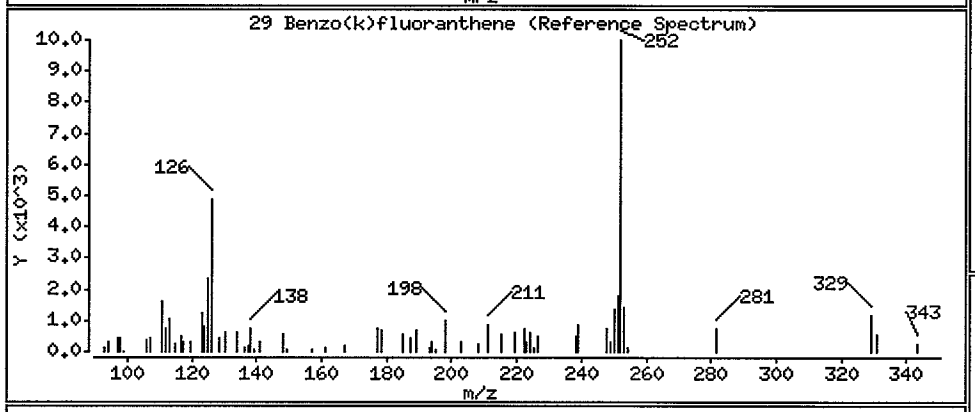
Column diameter: 0.25

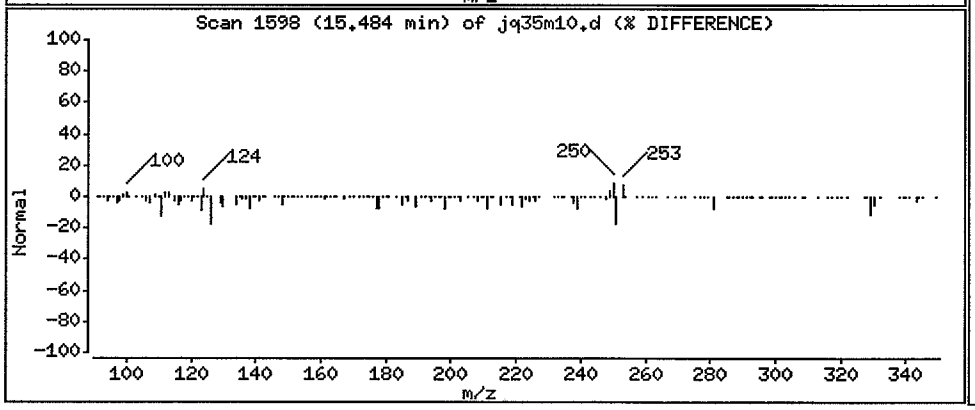
29 Benzo(k)fluoranthene

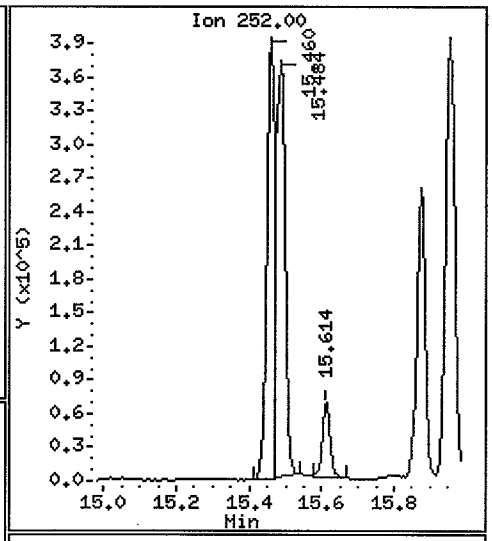
Concentration: 2356 ug/kg

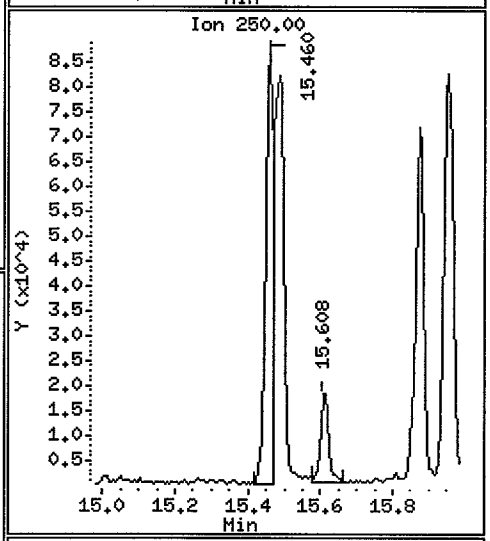


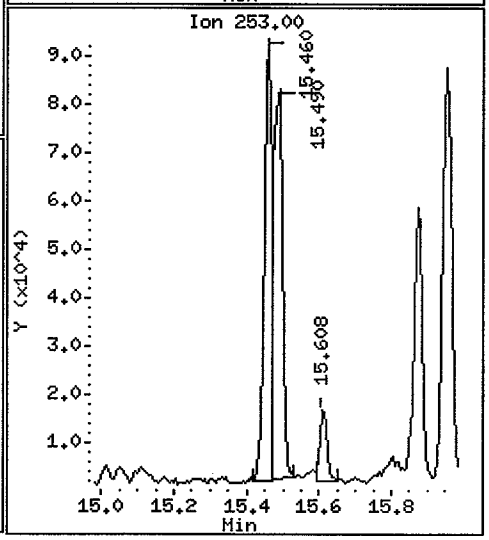












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

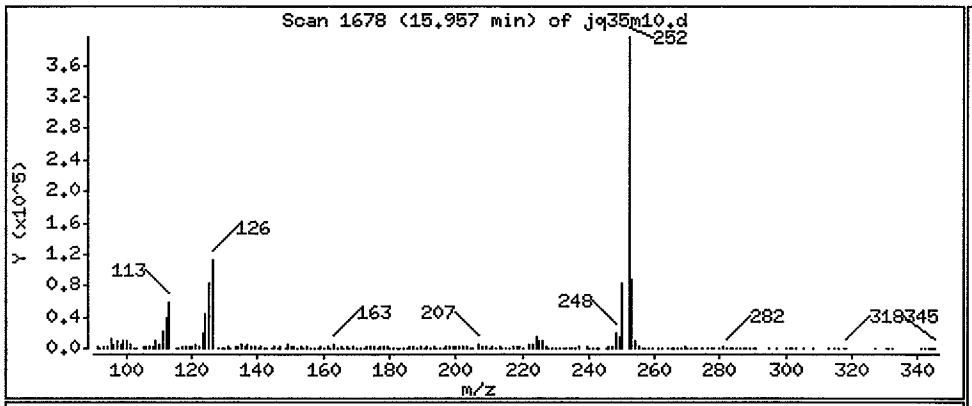
Operator: VTS

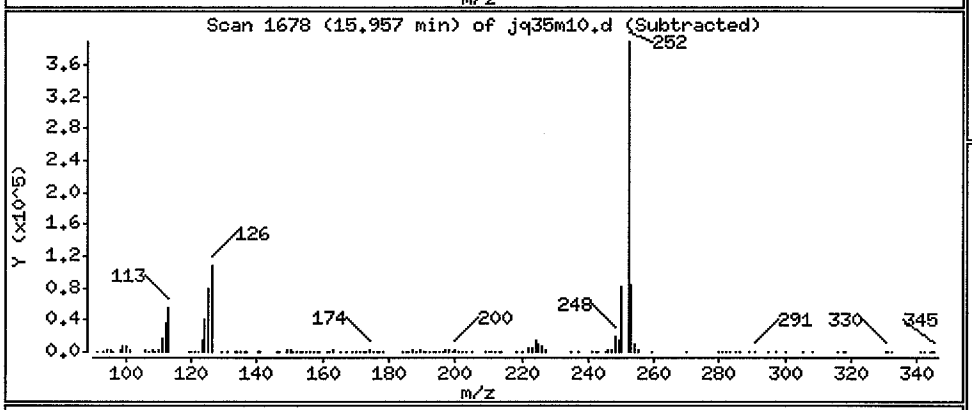
Column phase: ZB-5

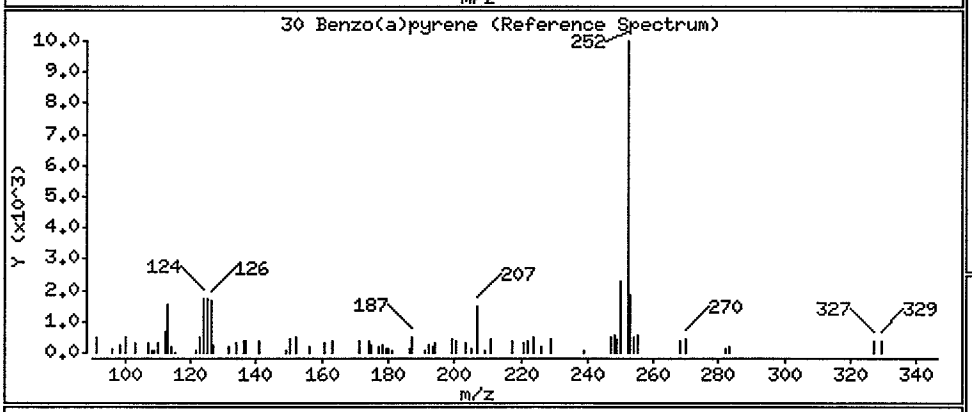
Column diameter: 0.25

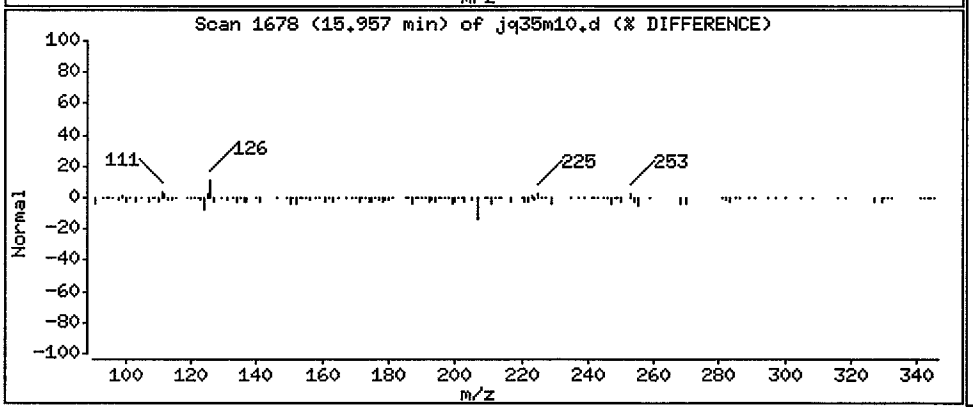
30 Benzo(a)pyrene

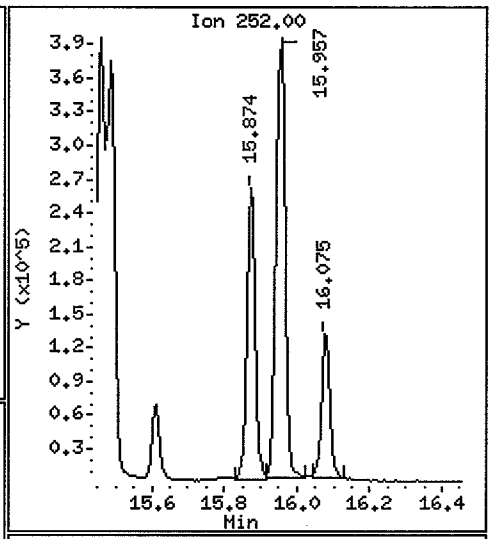
Concentration: 2659 ug/kg

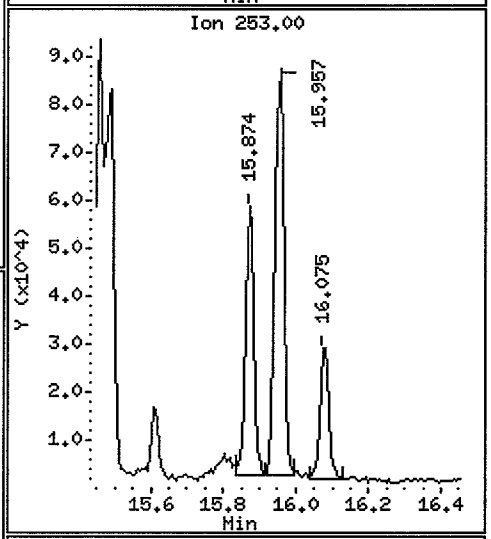


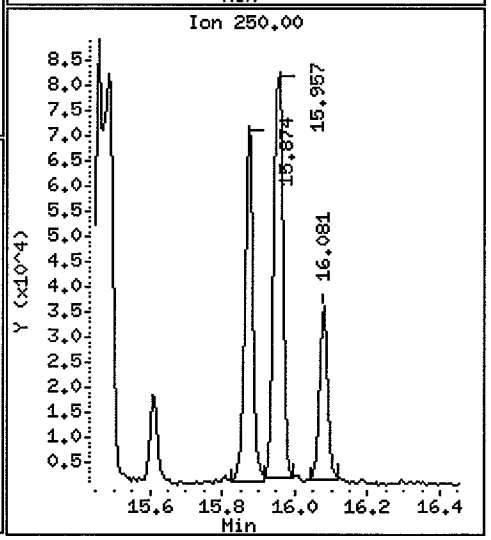












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

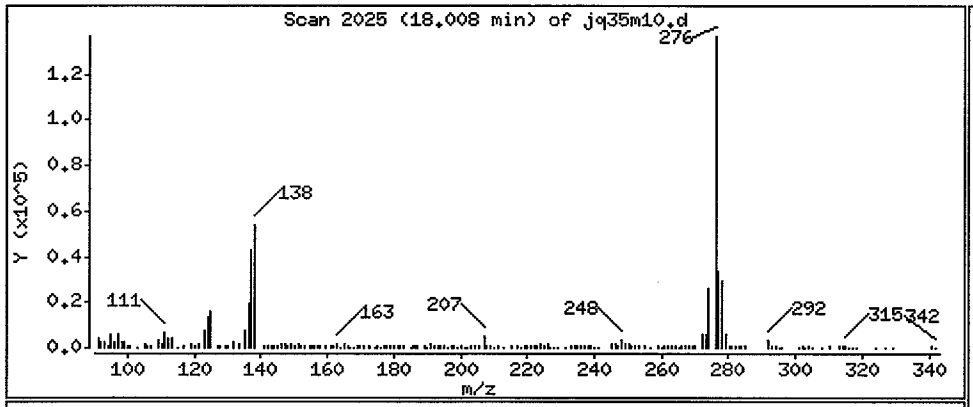
Operator: VTS

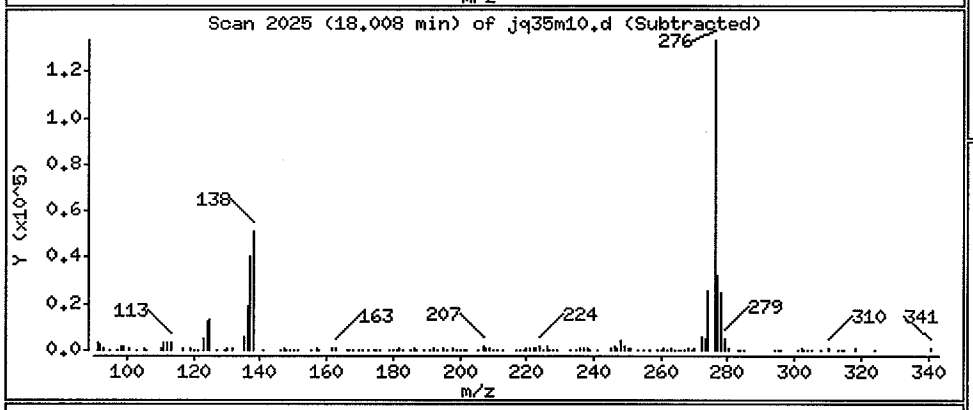
Column phase: ZB-5

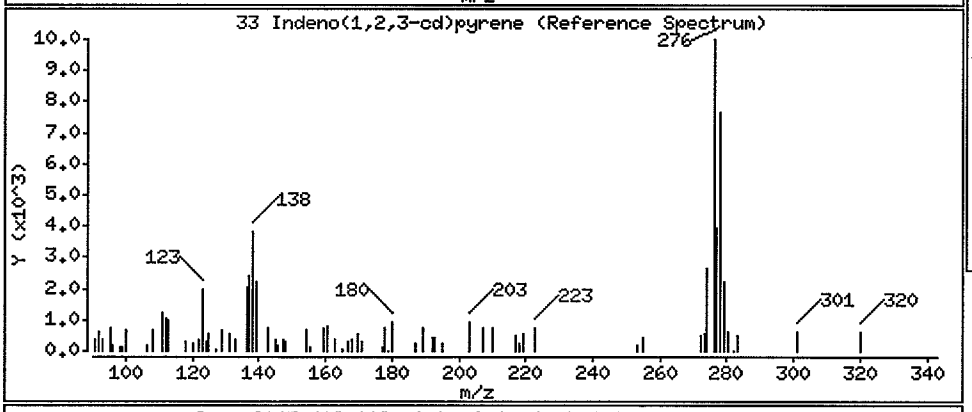
Column diameter: 0.25

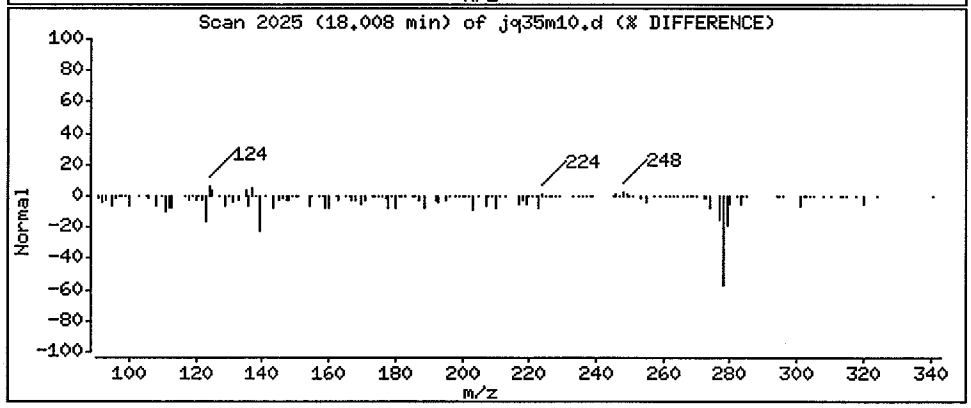
33 Indeno(1,2,3-cd)pyrene

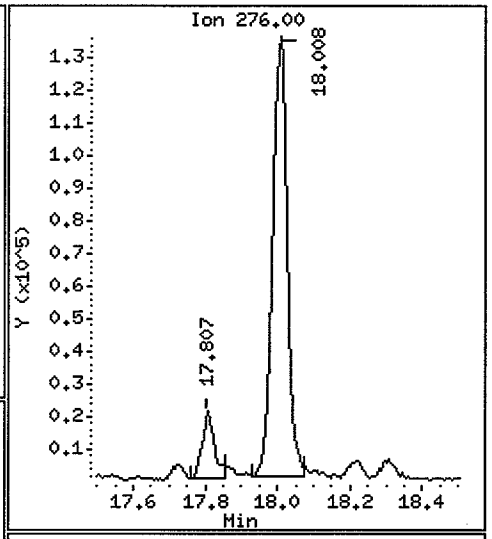
Concentration: 1324 ug/kg

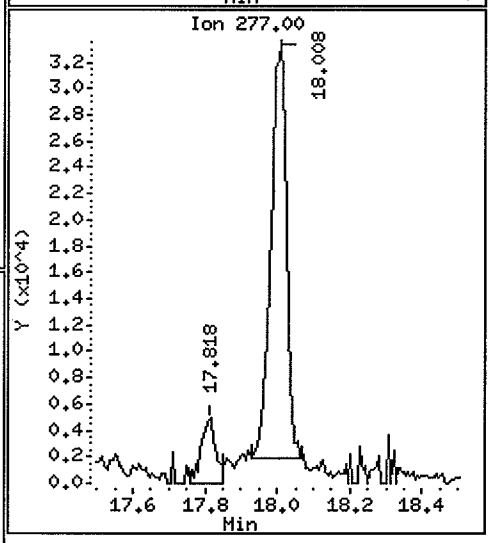












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

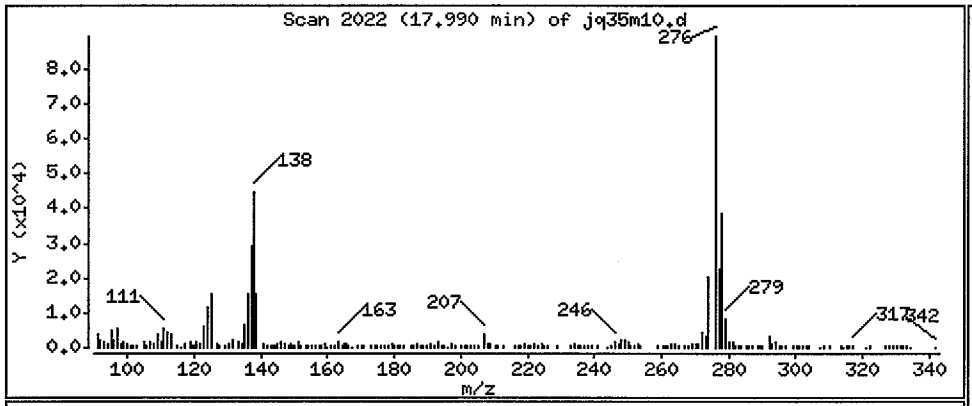
Operator: VTS

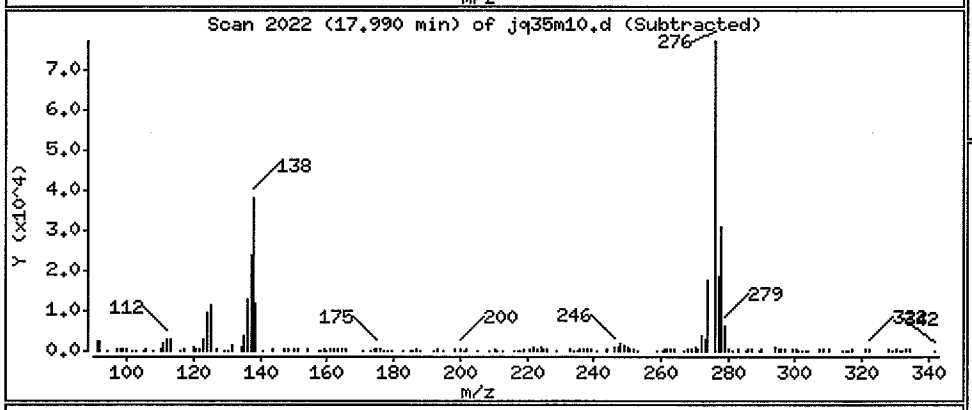
Column phase: ZB-5

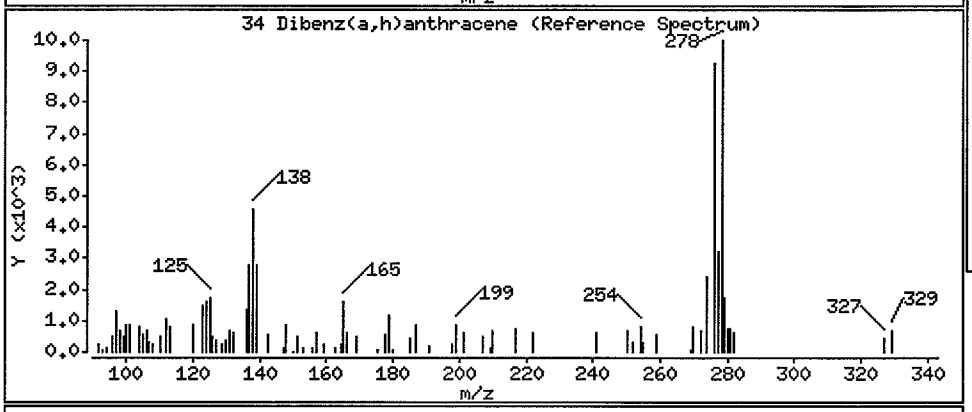
Column diameter: 0.25

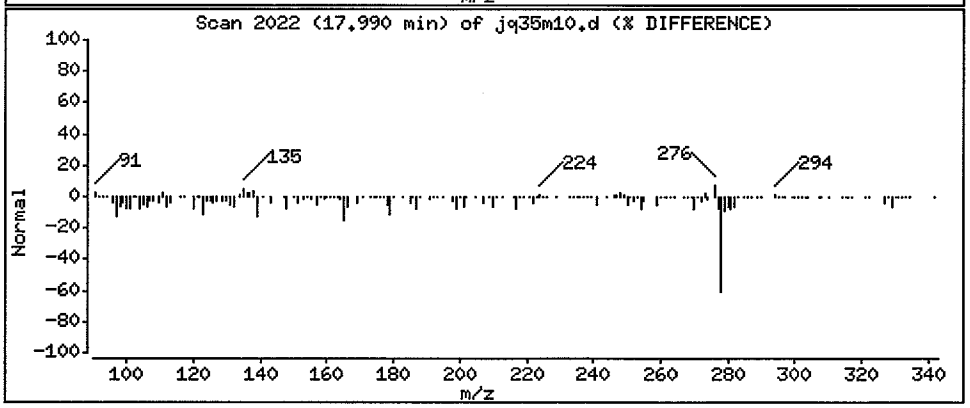
34 Dibenz(a,h)anthracene

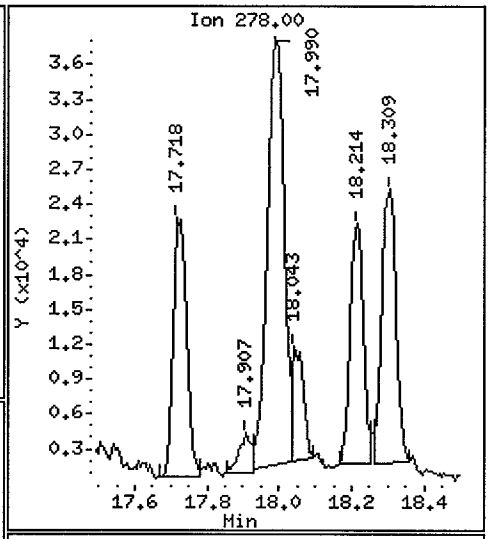
Concentration: 524.0 ug/kg

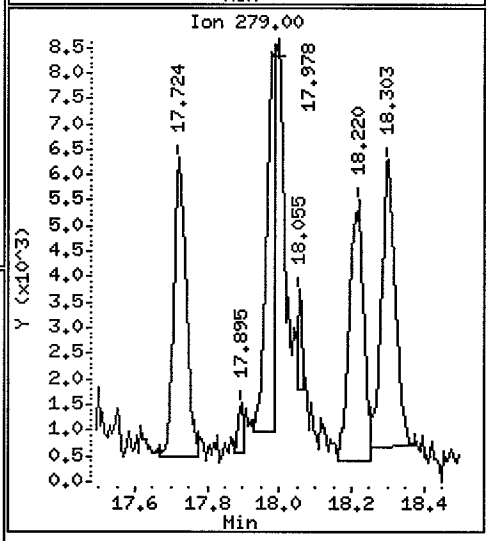












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

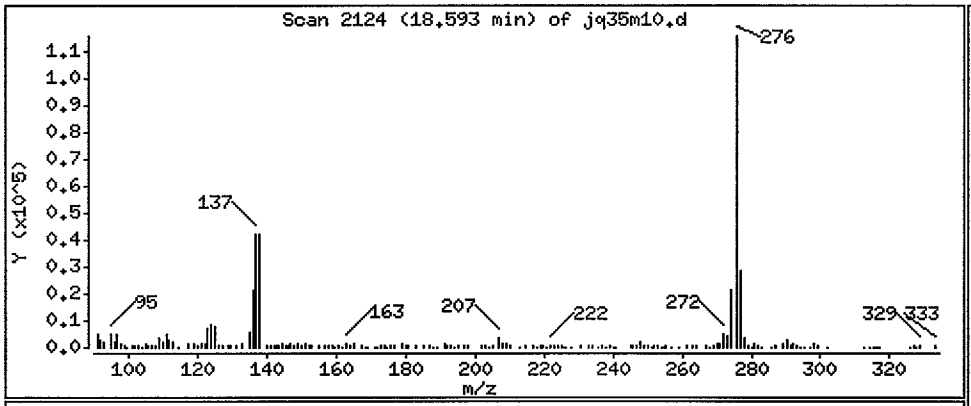
Operator: VTS

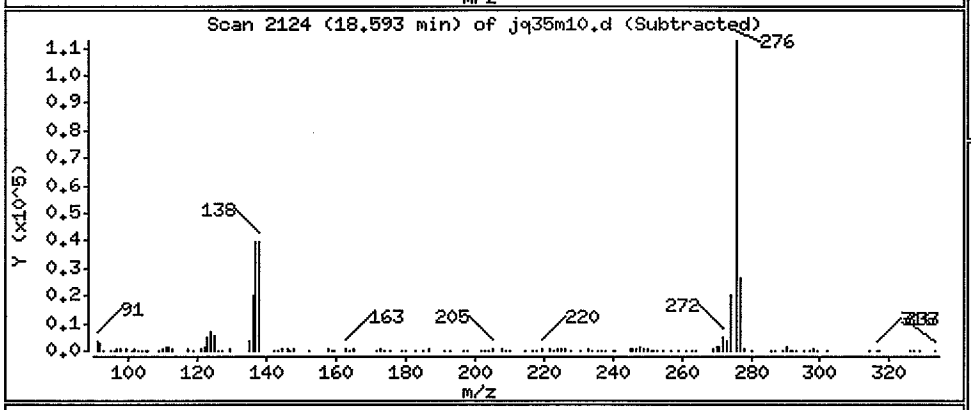
Column phase: ZB-5

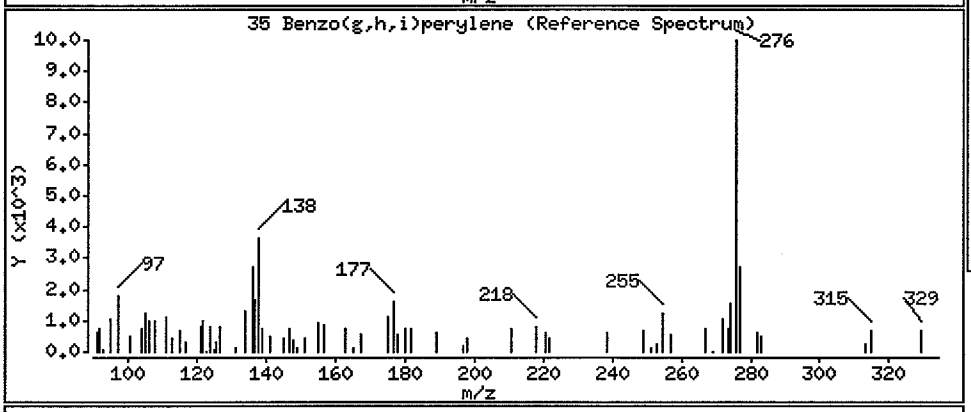
Column diameter: 0.25

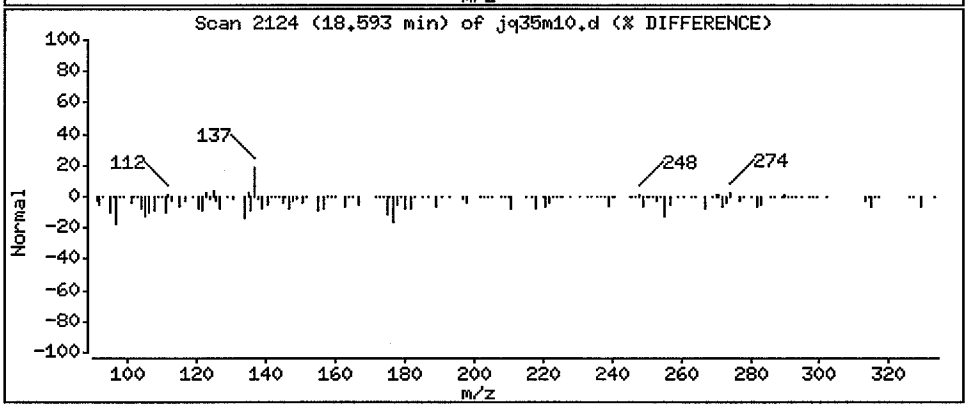
35 Benzo(g,h,i)perylene

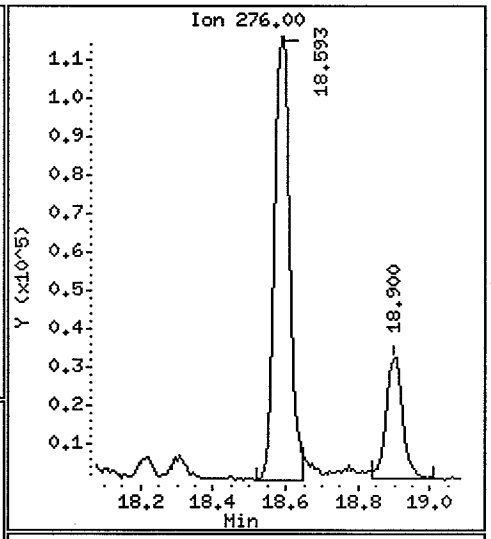
Concentration: 1420 ug/kg

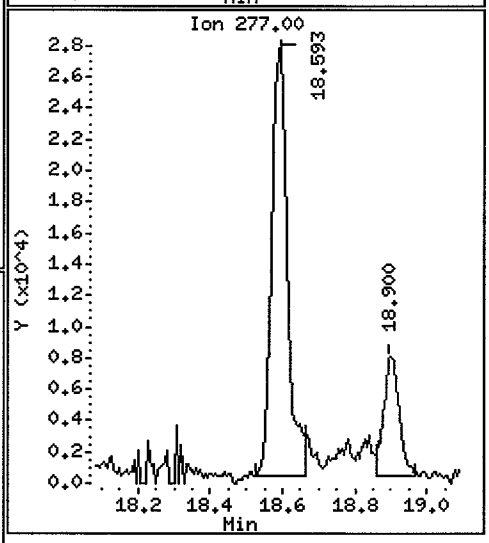












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

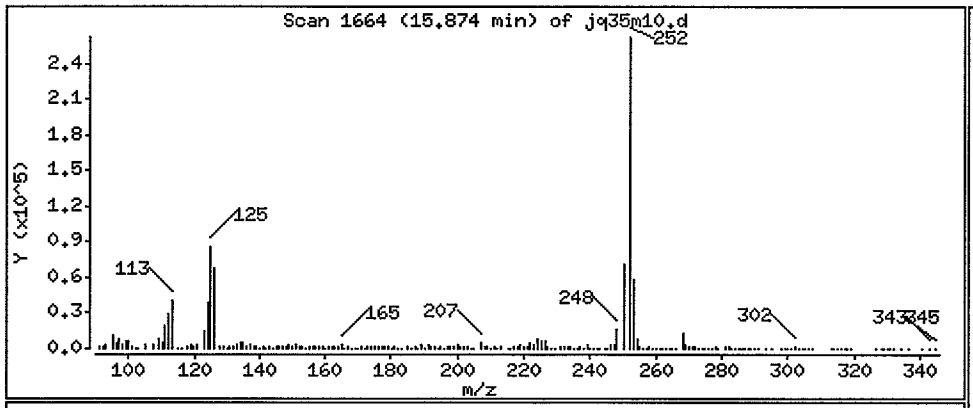
Operator: VTS

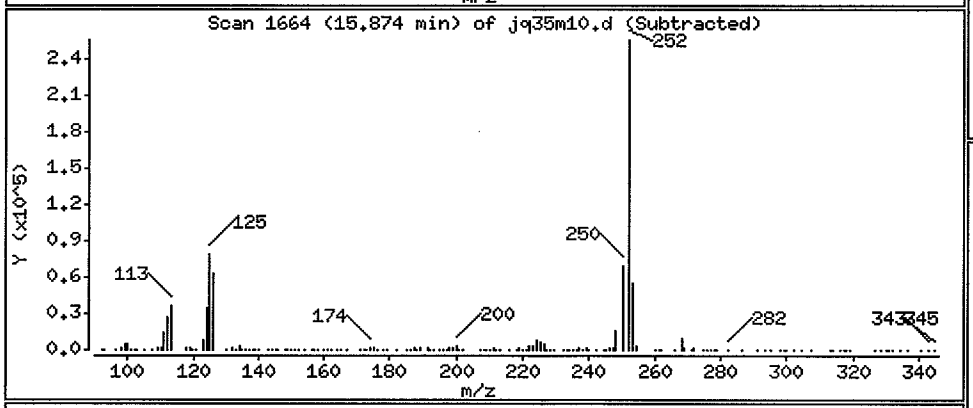
Column phase: ZB-5

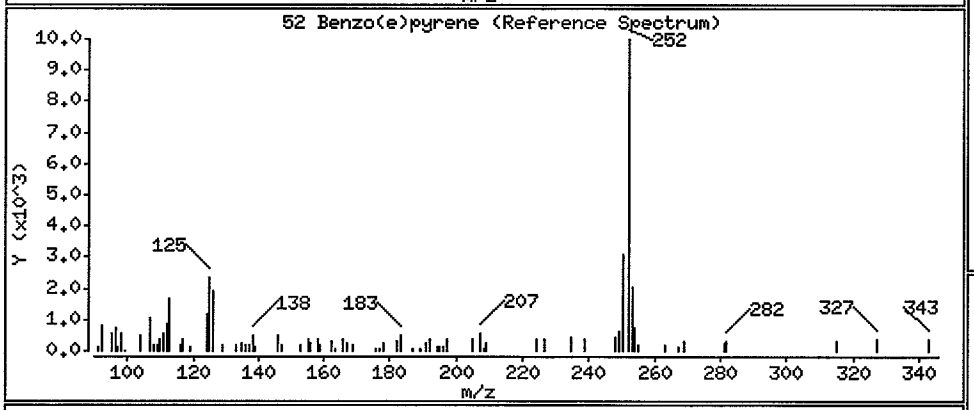
Column diameter: 0.25

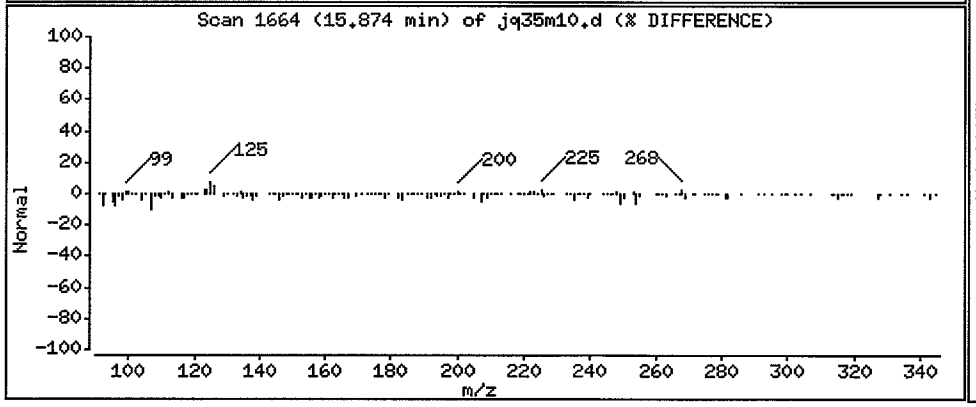
52 Benzo(e)pyrene

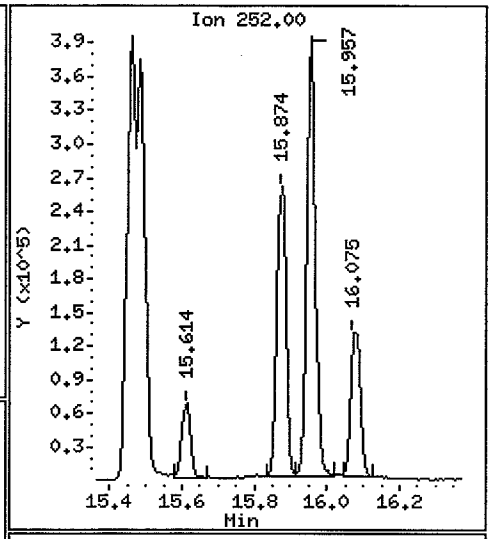
Concentration: 1631 ug/kg

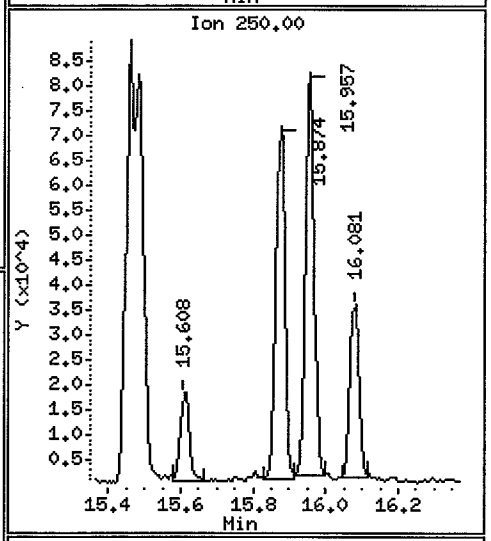


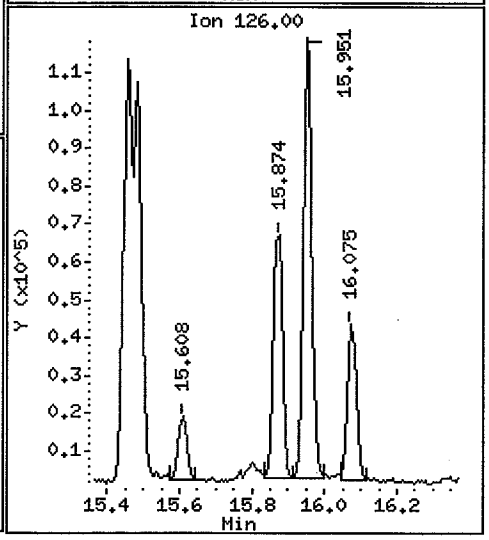












Data File: /chem3/nt1.i/20060807.b/jq35m10.d

Date : 07-AUG-2006 19:31

Client ID: T4-S3-06-A

Instrument: nt1.i

Sample Info: JQ35M,10

Volume Injected (uL): 1.0

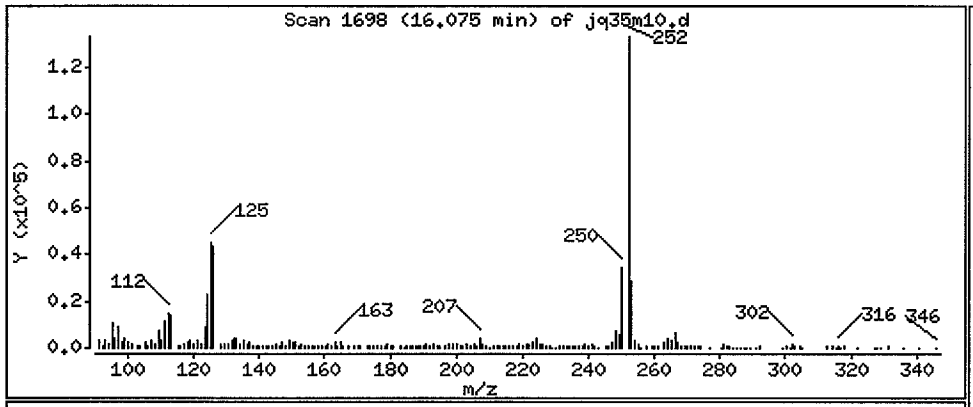
Operator: VTS

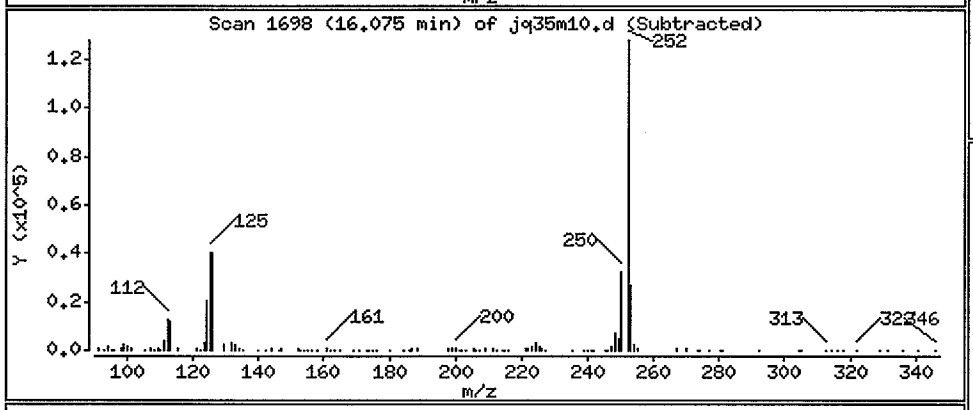
Column phase: ZB-5

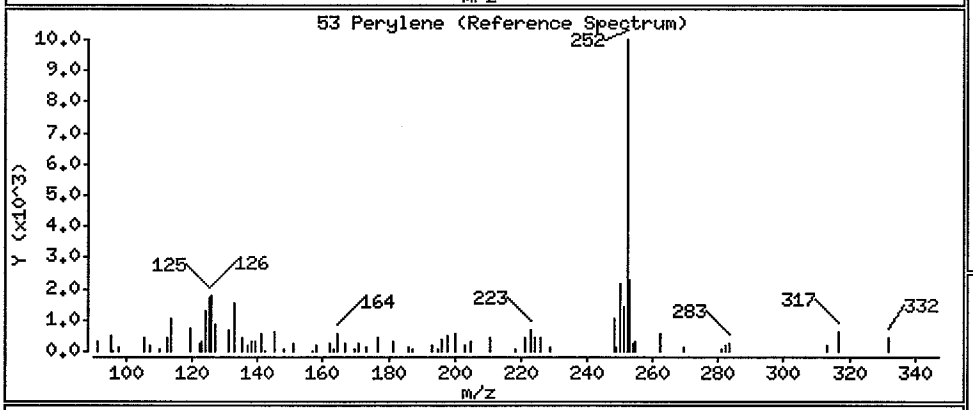
Column diameter: 0.25

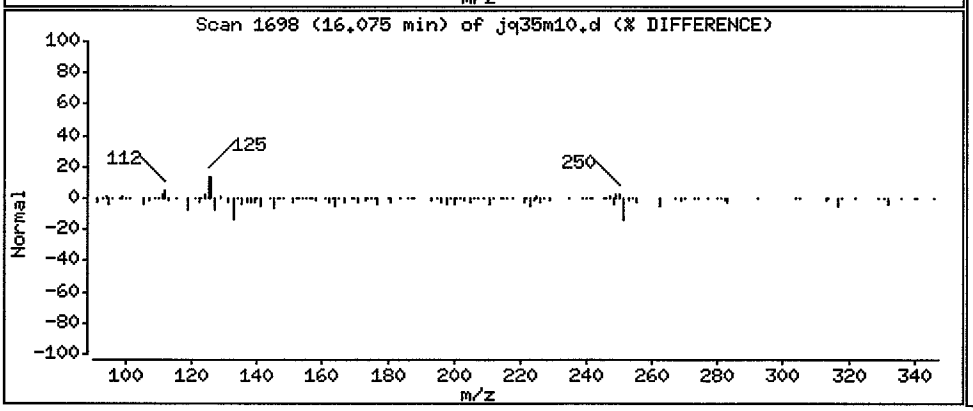
53 Perylene

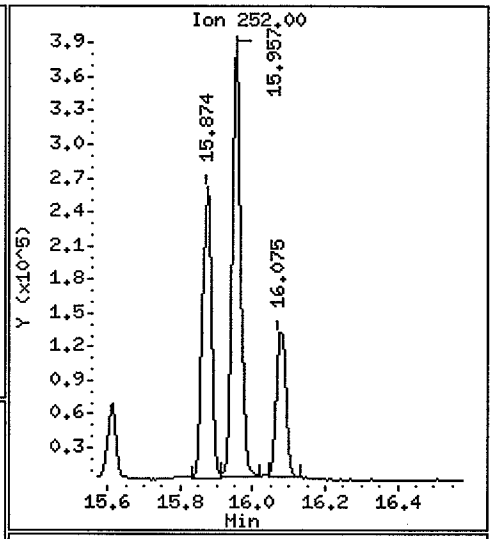
Concentration: 876.3 ug/kg

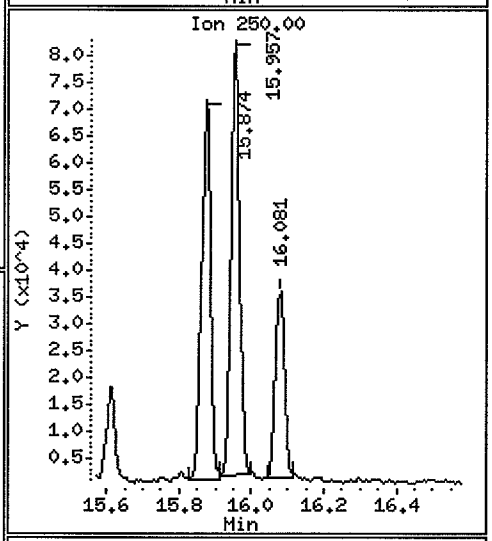


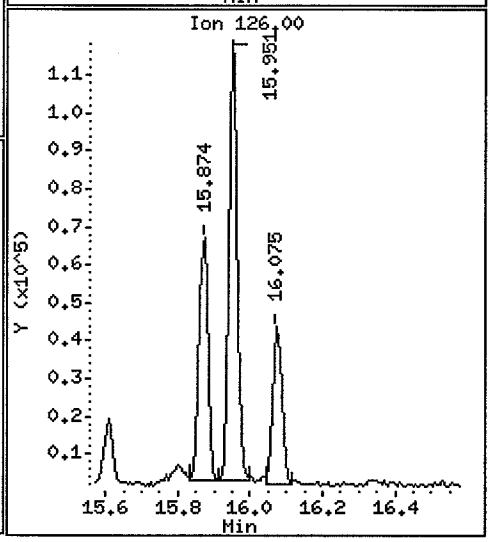












ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-06-B
SAMPLE

Lab Sample ID: JQ35N
LIMS ID: 06-12969
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 19:56
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: 1.00
Percent Moisture: 23.2%
pH: 6.5

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	4.8	< 4.8 U
91-57-6	2-Methylnaphthalene	4.8	< 4.8 U
90-12-0	1-Methylnaphthalene	4.8	< 4.8 U
208-96-8	Acenaphthylene	4.8	< 4.8 U
83-32-9	Acenaphthene	4.8	< 4.8 U
86-73-7	Fluorene	4.8	< 4.8 U
85-01-8	**Phenanthrene**	**4.8**	**16**
120-12-7	Anthracene	4.8	< 4.8 U
206-44-0	**Fluoranthene**	**4.8**	**40**
129-00-0	**Pyrene**	**4.8**	**38**
56-55-3	**Benzo(a)anthracene**	**4.8**	**22**
218-01-9	**Chrysene**	**4.8**	**29**
205-99-2	**Benzo(b)fluoranthene**	**4.8**	**31**
207-08-9	**Benzo(k)fluoranthene**	**4.8**	**26**
50-32-8	**Benzo(a)pyrene**	**4.8**	**27**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.8**	**16**
53-70-3	**Dibenz(a,h)anthracene**	**4.8**	**5.8**
191-24-2	**Benzo(g,h,i)perylene**	**4.8**	**16**
198-55-0	**Perylene**	**4.8**	**11**
92-52-4	Biphenyl	4.8	< 4.8 U
581-42-0	2,6-Dimethylnaphthalene	4.8	< 4.8 U
832-69-9	1-Methylphenanthrene	4.8	< 4.8 U
192-97-2	**Benzo(e)pyrene**	**4.8**	**18**
2245-38-7	2,3,5-Trimethylnaphthalene	4.8	< 4.8 U

Reported in μg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	57.3%
d14-Dibenzo(a,h)anthracen	65.7%

YZ 8/9/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq35n.d
Lab Smp Id: JQ35N — Client Smp ID: T4-S3-06-B
Inj Date : 07-AUG-2006 19:56
Operator : VTS — Inst ID: nt1.i
Smp Info : JQ35N
Misc Info : 06-12969
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: 22
Dil Factor: 1.00000
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	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	13.50000	Weight of sample extracted (g)
M	23.20000	% 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	6.887	6.891	(1.000)	285064	2.00000	
2 Naphthalene	128	Compound Not Detected.					
$ 3 2-Methylnaphthalene-d10	152	7.644	7.648	(1.110)	125952	1.71542	82.73
4 2-Methylnaphthalene	142	Compound Not Detected.					
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.950	8.954	(1.000)	152700	2.00000	
9 Acenaphthene	153	8.991	8.989	(1.005)	5736	0.07650 J	3.689
10 Dibenzofuran	168	Compound Not Detected.					
11 Fluorene	166	Compound Not Detected.					
* 15 Phenanthrene-d10	188	10.764	10.762	(1.000)	251705	2.00000	
16 Phenanthrene	178	10.794	10.792	(1.003)	44229	0.34234	16.51
17 Anthracene	178	10.847	10.851	(1.008)	10829	0.08387	4.045
19 Fluoranthene	202	12.289	12.287	(1.142)	110727	0.84026	40.52
20 Pyrene	202	12.573	12.577	(0.893)	108400	0.77794	37.52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
22 Benzo(a)anthracene	228	14.056	14.054	(0.998)	60636	0.46402	22.38
* 23 Chrysene-d12	240	14.080	14.078	(1.000)	217001	2.00000	
24 Chrysene	228	14.109	14.107	(1.002)	73411	0.60907	29.37
28 Benzo(b)fluoranthene	252	15.451	15.455	(0.964)	79410	0.64721	31.21
29 Benzo(k)fluoranthene	252	15.481	15.484	(0.965)	69890	0.53431	25.77
30 Benzo(a)pyrene	252	15.948	15.951	(0.994)	67012	0.56051	27.03
* 31 Perylene-d12	264	16.036	16.034	(1.000)	217400	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	17.998	18.002	(1.122)	45499	0.33093	15.96
$ 32 Dibenz(a,h)anthrancene-d14	292	17.922	17.931	(1.118)	164020	1.97143	95.07
34 Dibenz(a,h)anthracene	278	17.981	17.996	(1.121)	13756	0.12247	5.906
35 Benzo(g,h,i)perylene	276	18.578	18.581	(1.158)	37183	0.32535	15.69
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	15.871	15.869	(0.990)	49073	0.37082	17.88
53 Perylene	252	16.072	16.075	(1.002)	28756	0.23143	11.16

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq35n.d
Lab Smp Id: JQ35N
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12969

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-06-B
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	285064	23.38
8 Acenaphthene-d10	129131	64566	258262	152700	18.25
15 Phenanthrene-d10	212850	106425	425700	251705	18.25
23 Chrysene-d12	190817	95408	381634	217001	13.72
31 Perylene-d12	197592	98796	395184	217400	10.02

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	8.95	-0.04
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	0.02
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.01
31 Perylene-d12	16.03	15.53	16.53	16.04	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

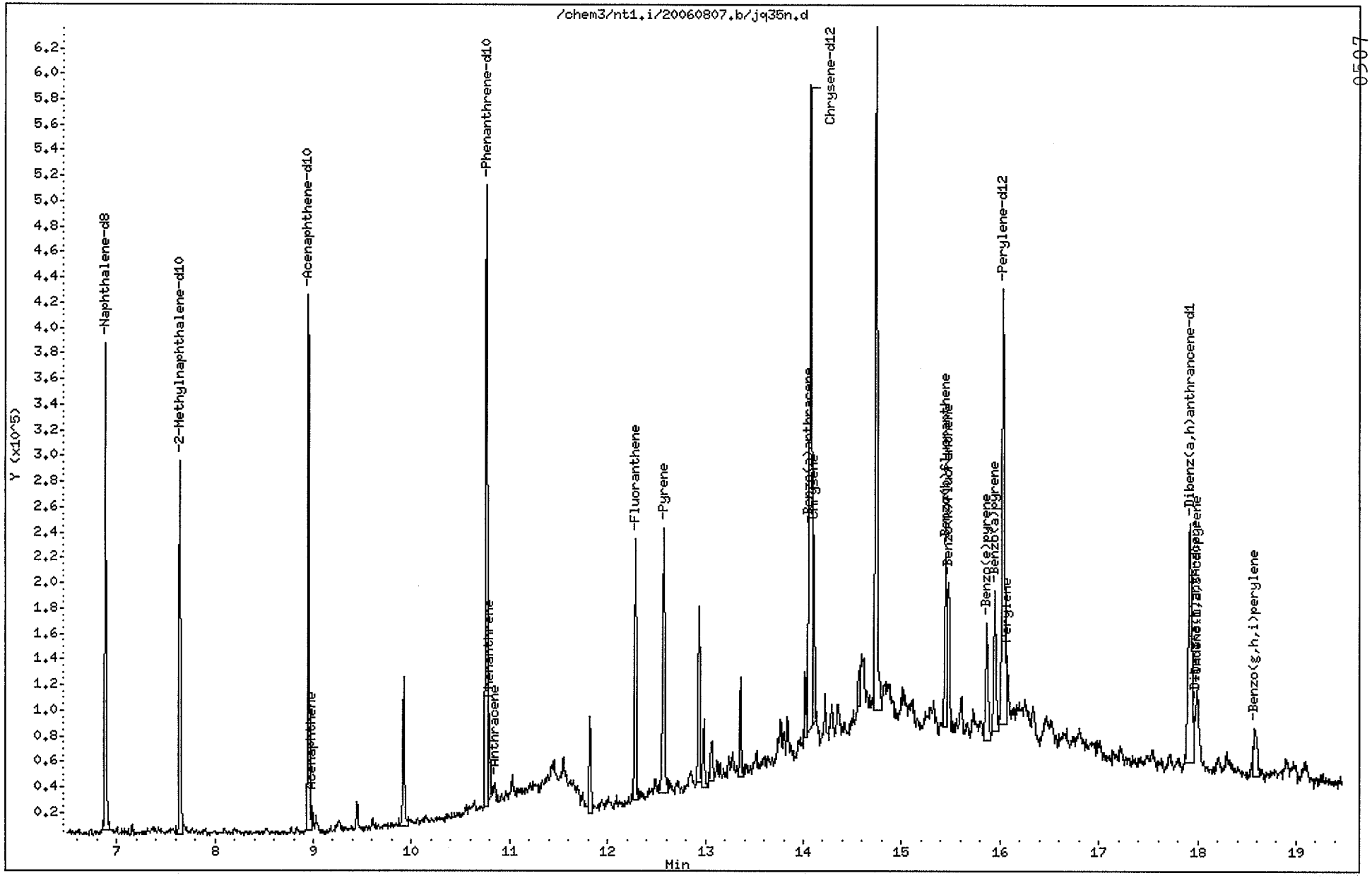
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35N
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12969

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-06-B
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	144.7	82.73	57.18	32-97
$ 32 Dibenz(a,h)anthran	144.7	95.07	65.71	21-105

Data File: /chem3/nt1.i/20060807.b/jq35n.d
Date : 07-AUG-2006 19:56
Client ID: T4-S3-06-B
Sample Info: JQ35N
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0507

Data File: /chem3/nt1.i/20060807.b/jq35n.d

Date : 07-AUG-2006 19:56

Client ID: T4-S3-06-B

Instrument: nt1.i

Sample Info: JQ35N

Volume Injected (uL): 1.0

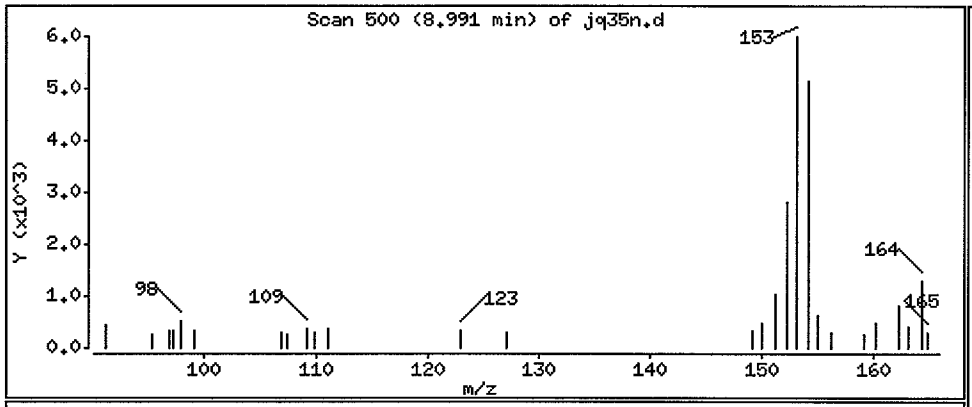
Operator: VTS

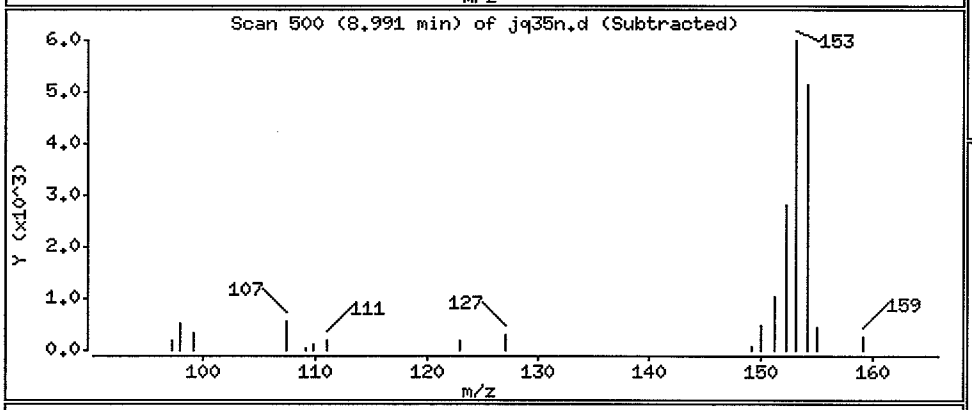
Column phase: ZB-5

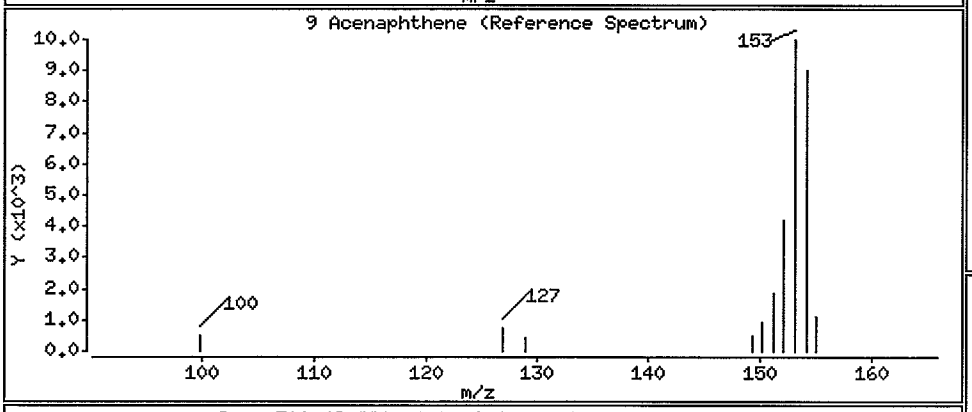
Column diameter: 0.25

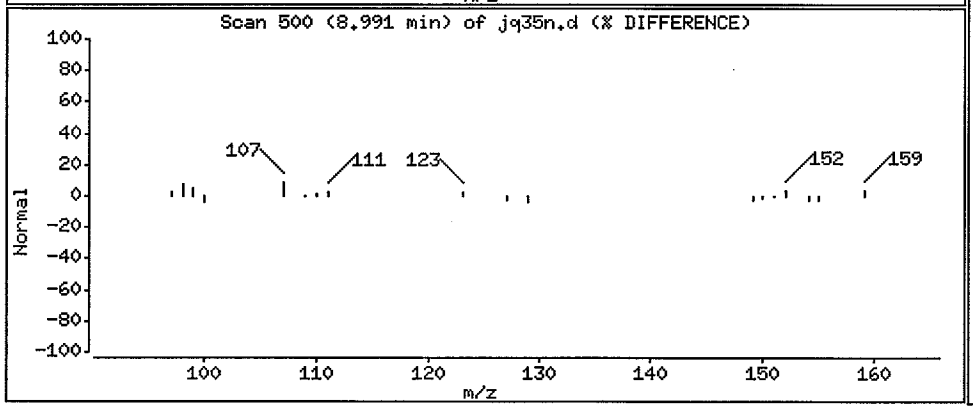
9 Acenaphthene

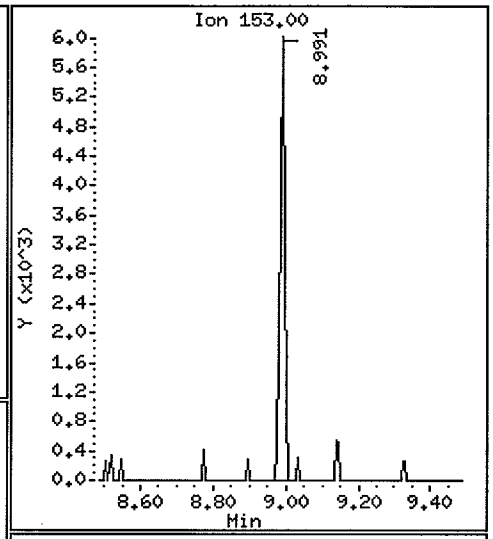
Concentration: 3.689 ug/kg

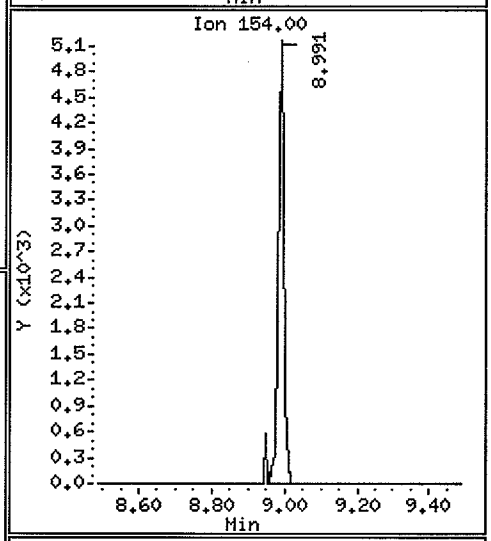


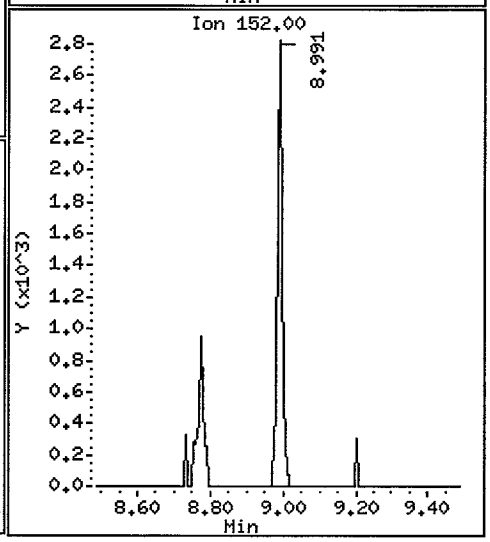












Data File: /chem3/nt1.i/20060807.b/jq35n.d

Date : 07-AUG-2006 19:56

Client ID: T4-S3-06-B

Instrument: nt1.i

Sample Info: JQ35N

Volume Injected (uL): 1.0

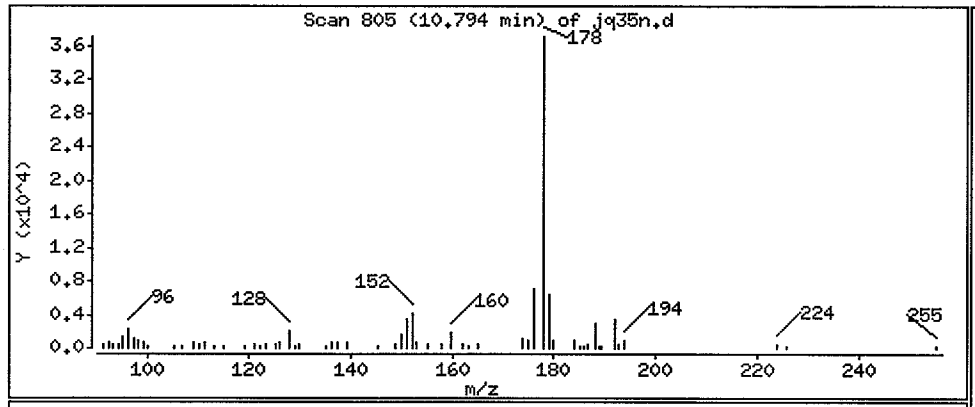
Operator: VTS

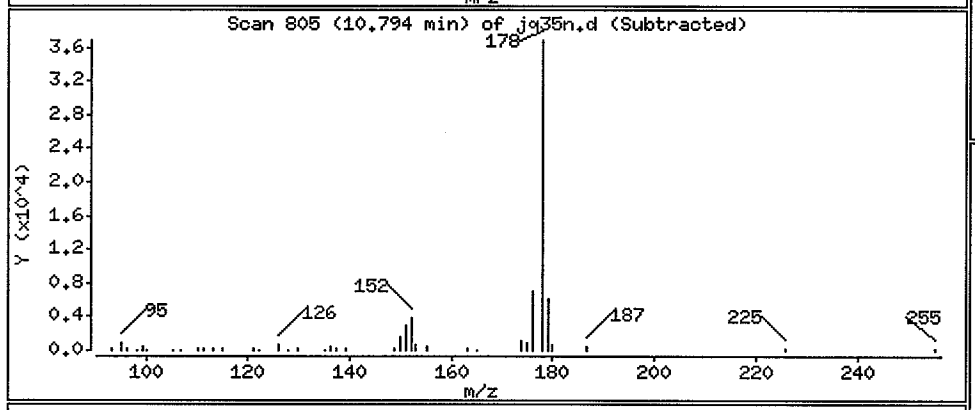
Column phase: ZB-5

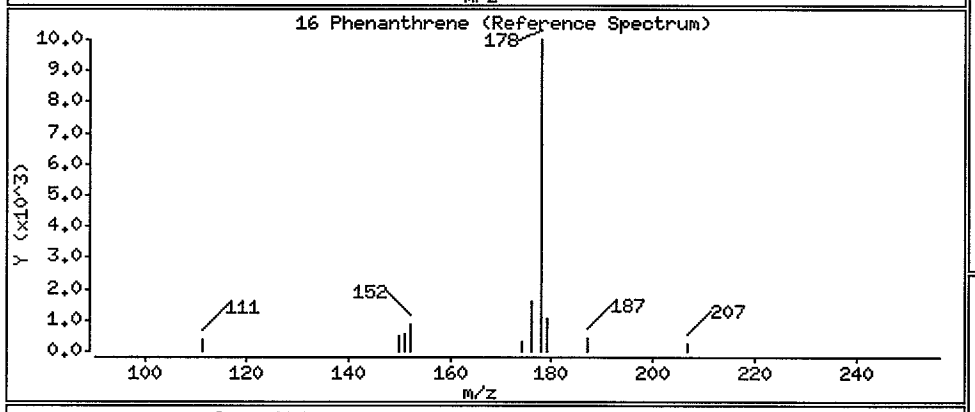
Column diameter: 0.25

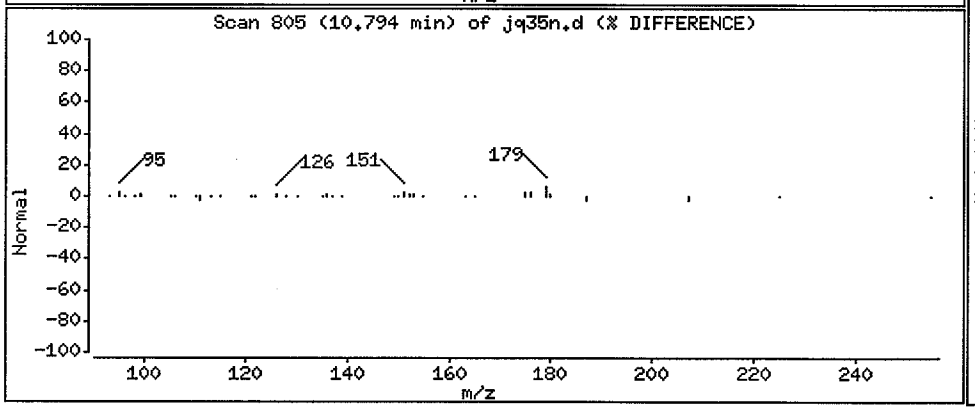
16 Phenanthrene

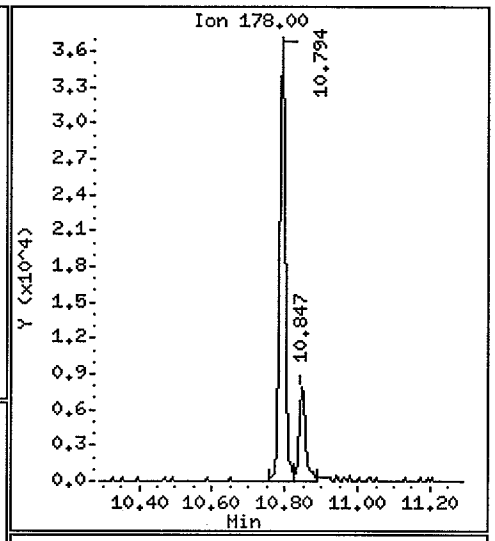
Concentration: 16.51 ug/kg

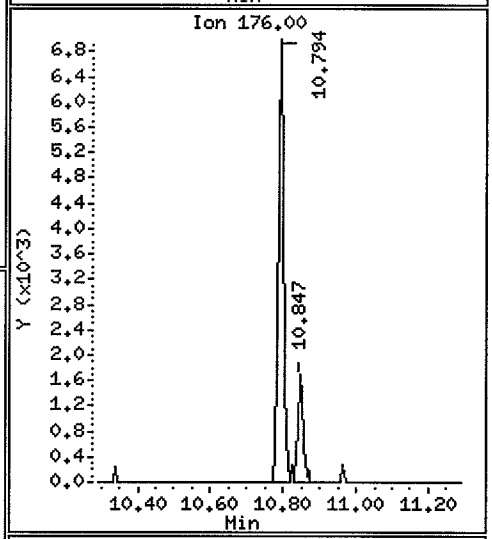


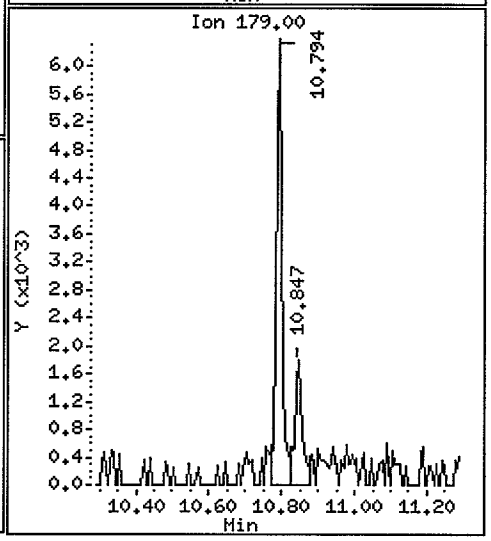












Data File: /chem3/nt1.i/20060807.b/jq35n.d

Date : 07-AUG-2006 19:56

Client ID: T4-S3-06-B

Instrument: nt1.i

Sample Info: JQ35N

Volume Injected (uL): 1.0

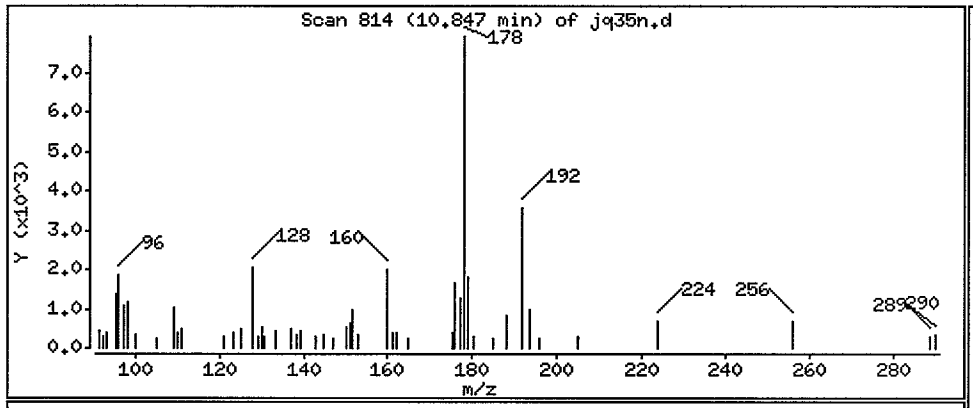
Operator: VTS

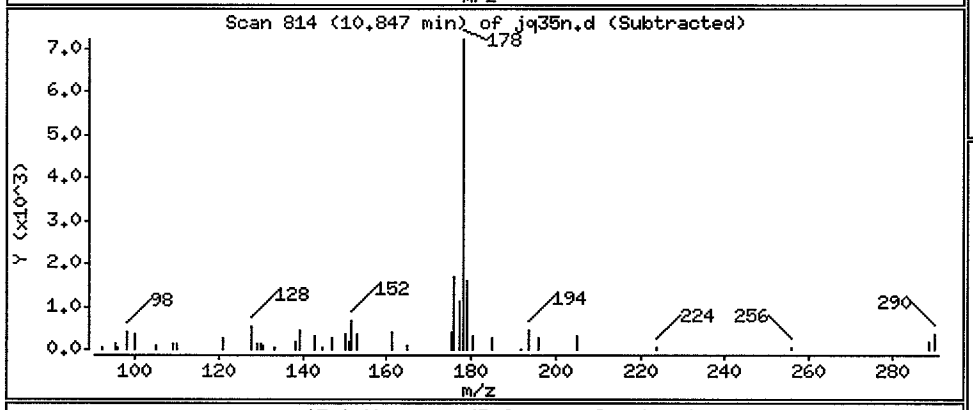
Column phase: ZB-5

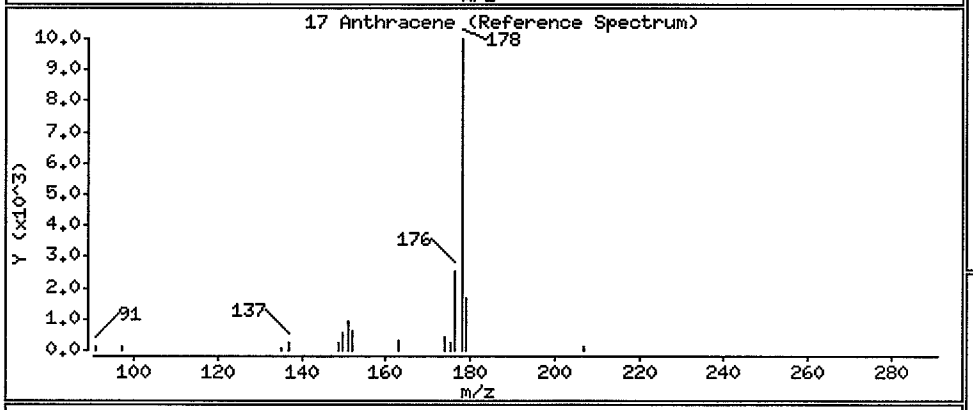
Column diameter: 0.25

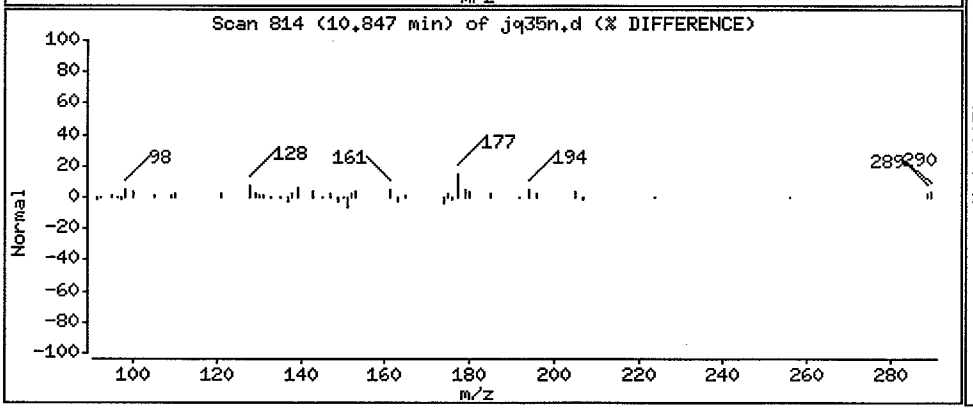
17 Anthracene

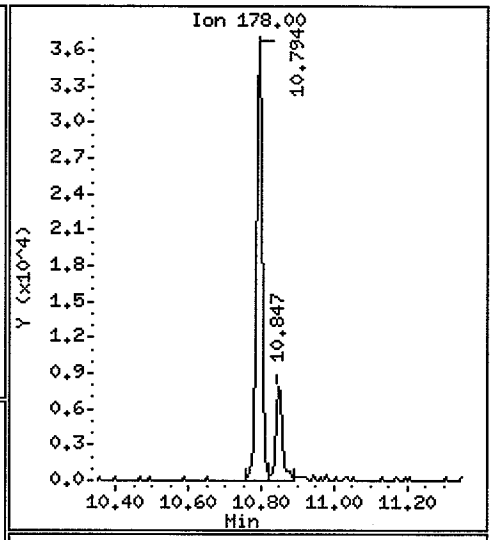
Concentration: 4.045 ug/kg

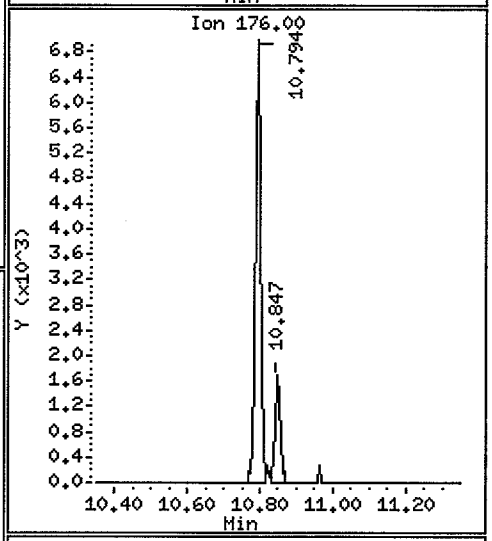


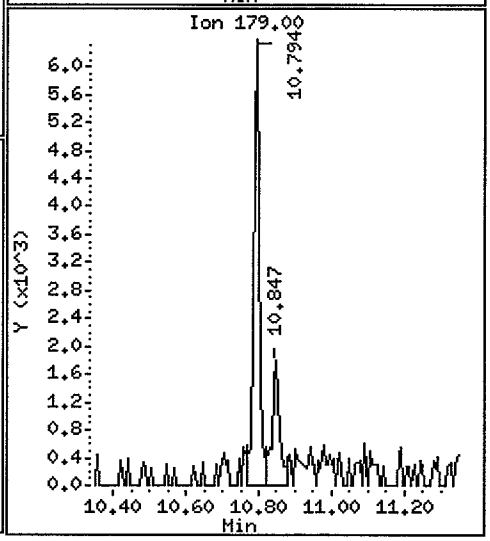












Data File: /chem3/nt1.i/20060807.b/jq35n.d

Date : 07-AUG-2006 19:56

Client ID: T4-S3-06-B

Instrument: nt1.i

Sample Info: JQ35N

Volume Injected (uL): 1.0

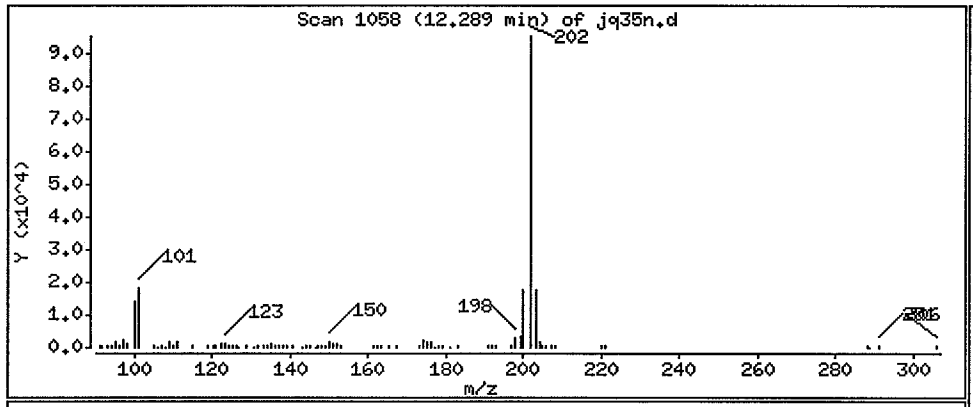
Operator: VTS

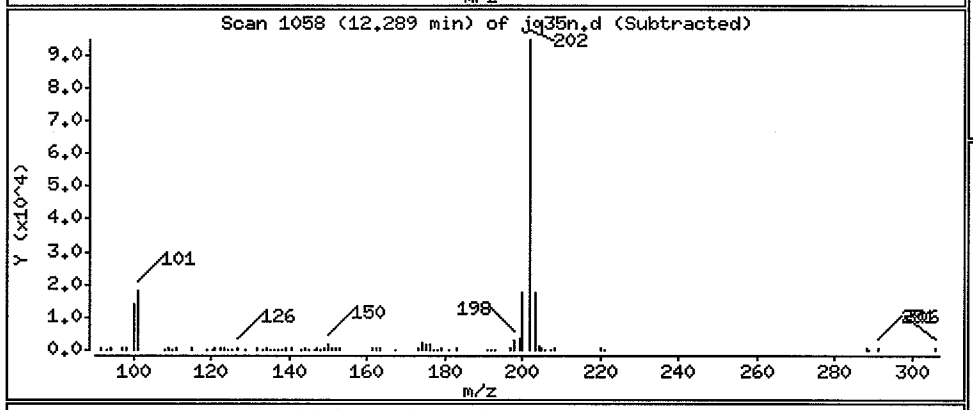
Column phase: ZB-5

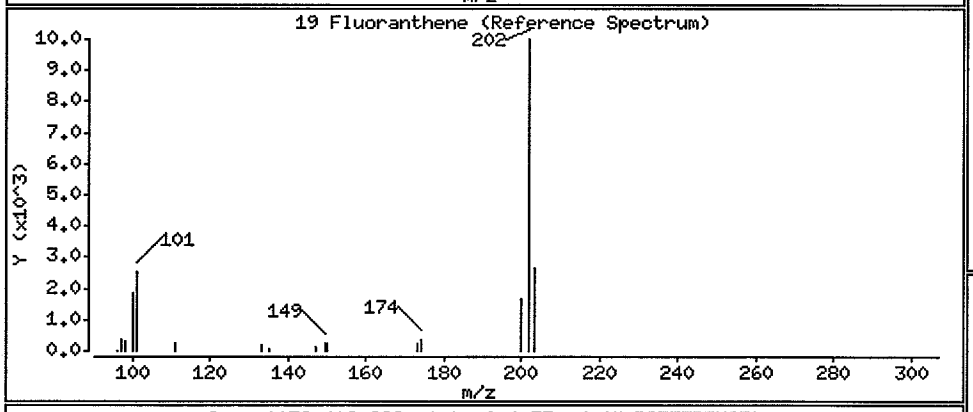
Column diameter: 0.25

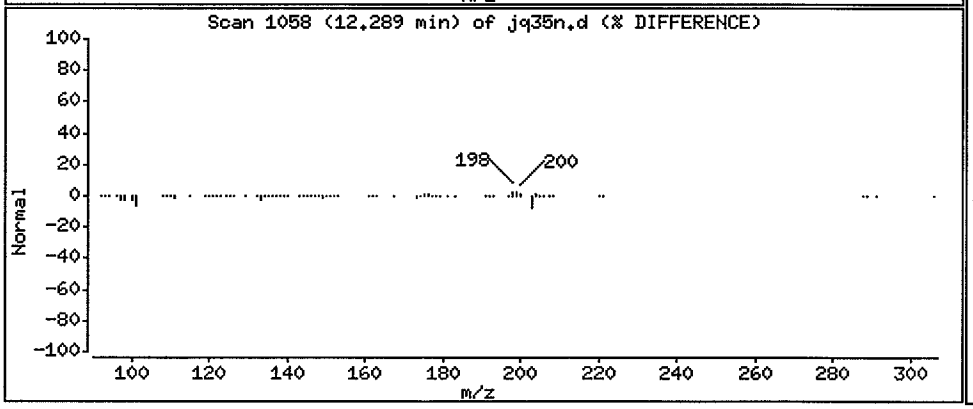
19 Fluoranthene

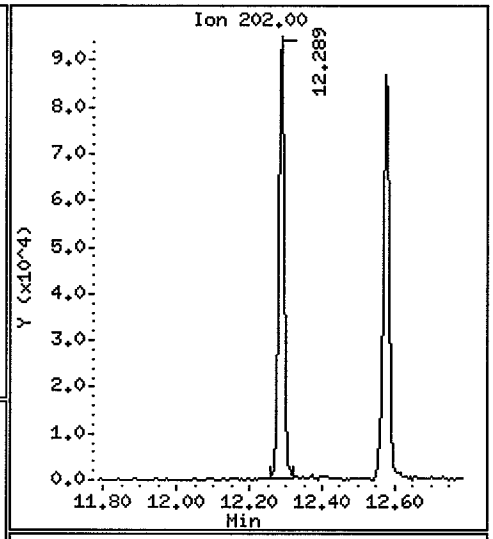
Concentration: 40.52 ug/kg

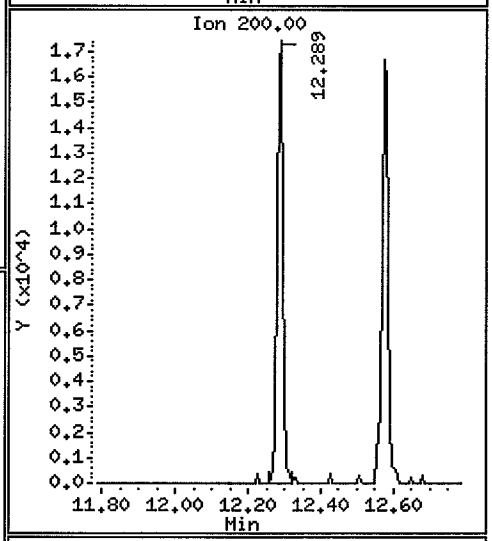


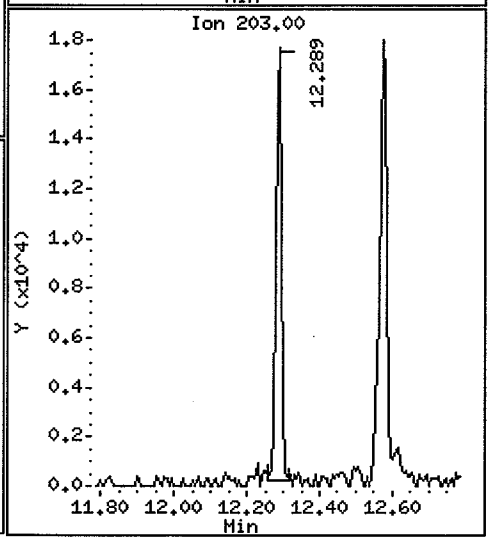












Data File: /chem3/nt1.i/20060807.b/jq35n.d

Date : 07-AUG-2006 19:56

Client ID: T4-S3-06-B

Instrument: nt1.i

Sample Info: JQ35N

Volume Injected (uL): 1.0

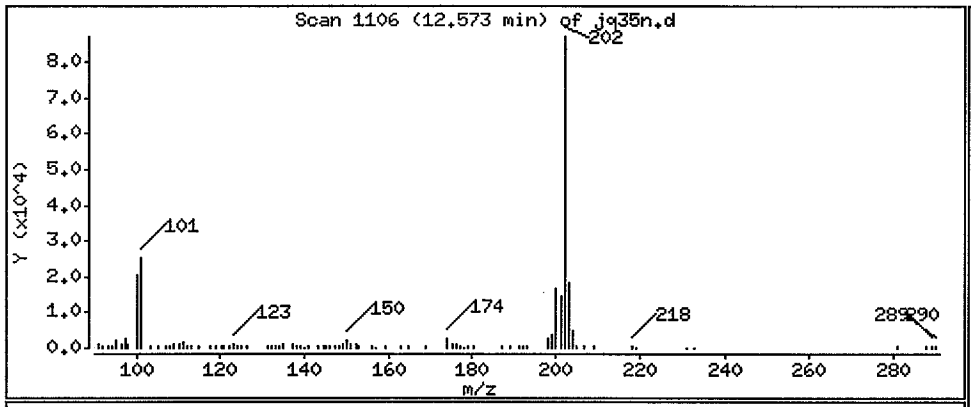
Operator: VTS

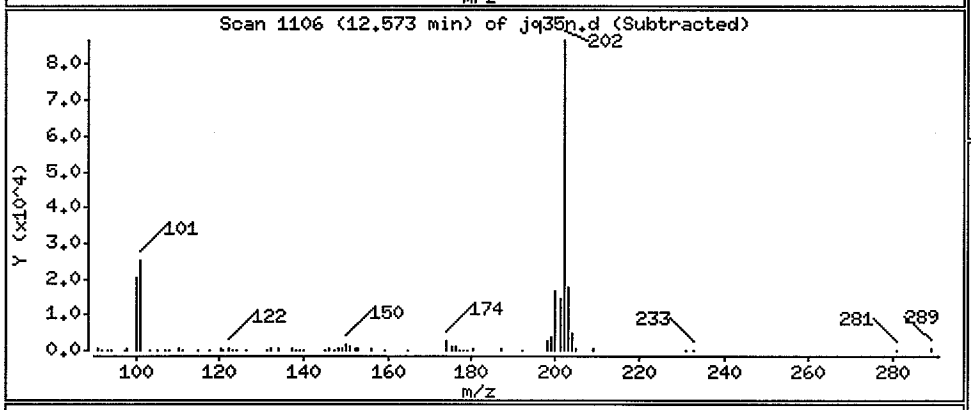
Column phase: ZB-5

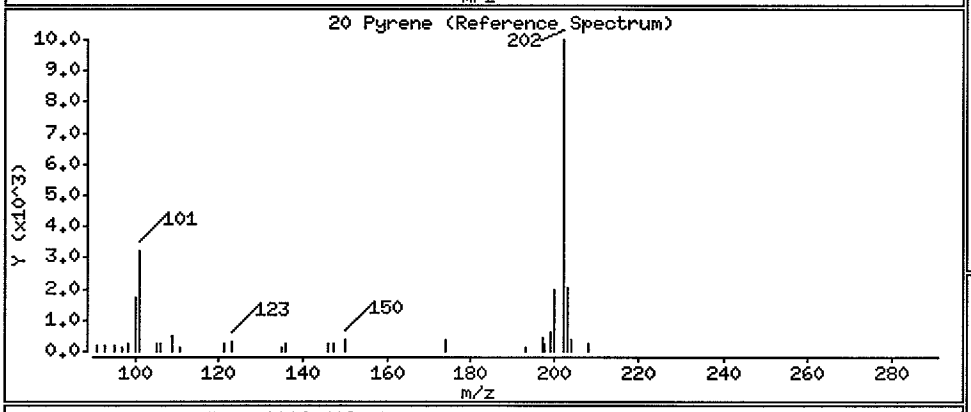
Column diameter: 0.25

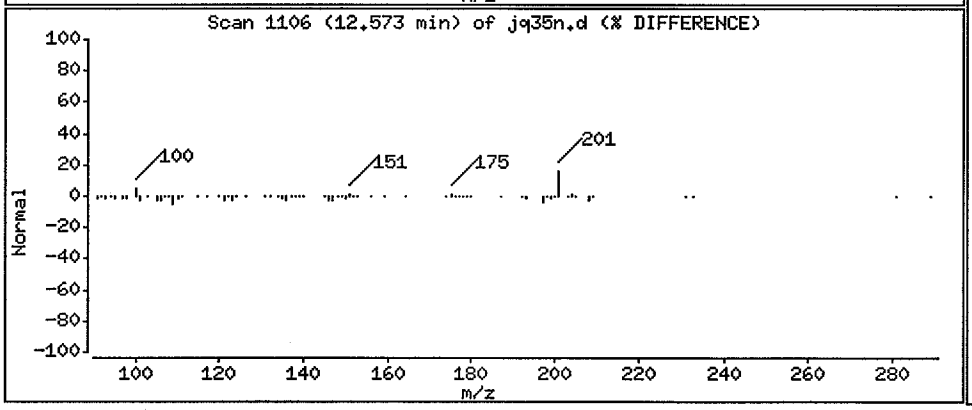
20 Pyrene

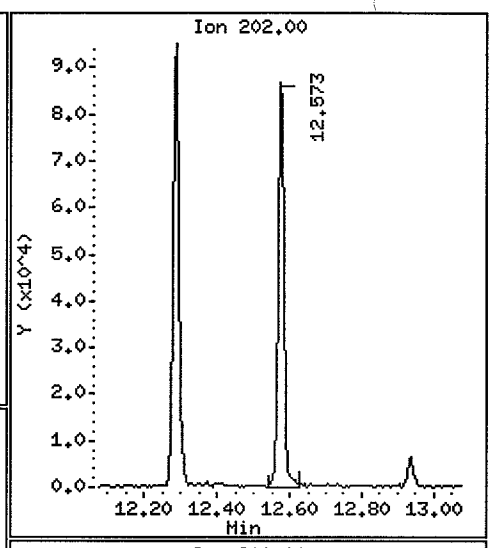
Concentration: 37.52 ug/kg

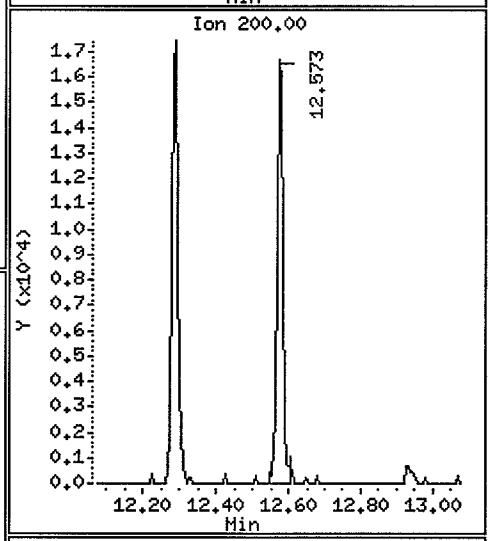


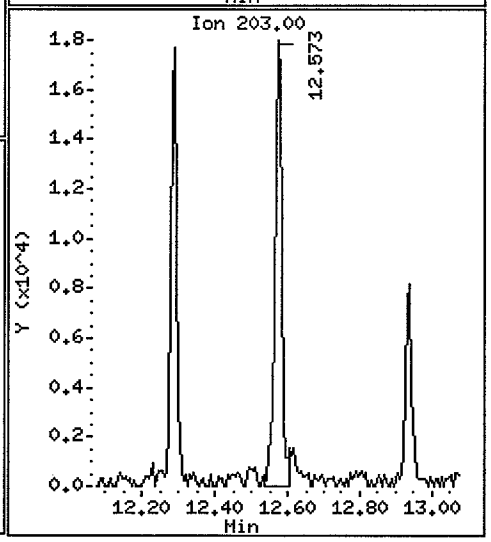












Data File: /chem3/nt1.i/20060807.b/jq35n.d

Date : 07-AUG-2006 19:56

Client ID: T4-S3-06-B

Instrument: nt1.i

Sample Info: JQ35N

Volume Injected (uL): 1.0

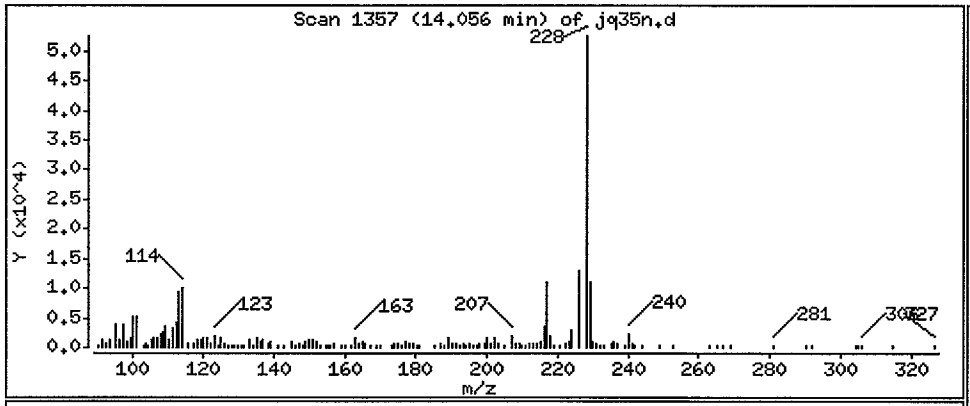
Operator: VTS

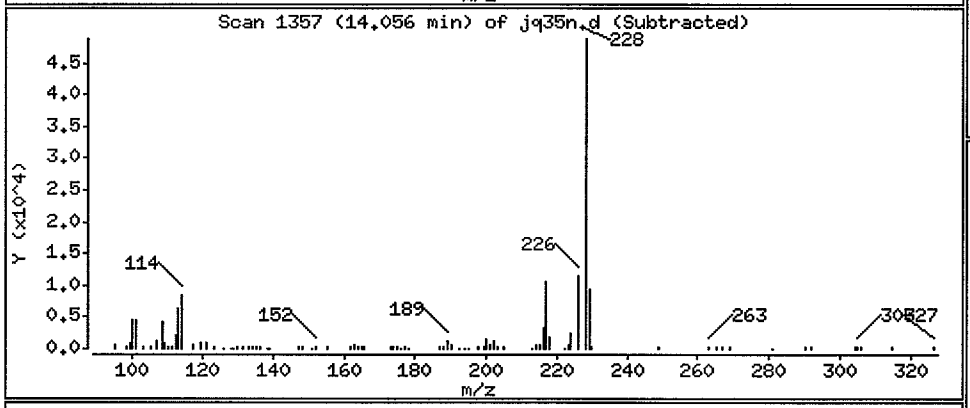
Column phase: ZB-5

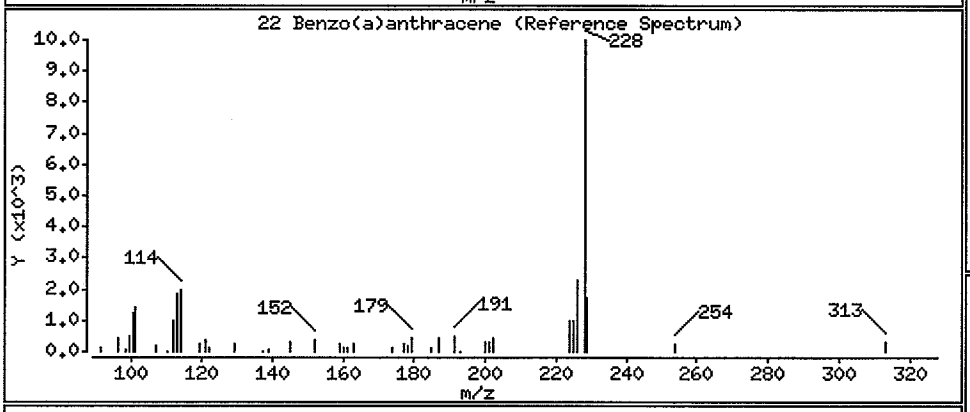
Column diameter: 0.25

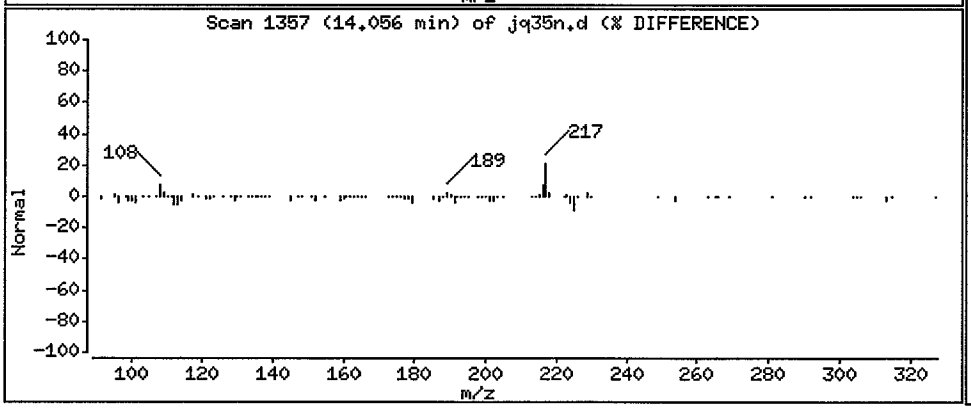
22 Benzo(a)anthracene

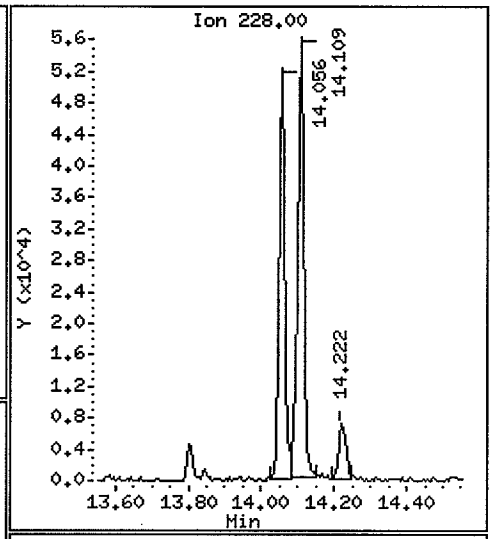
Concentration: 22.38 ug/kg

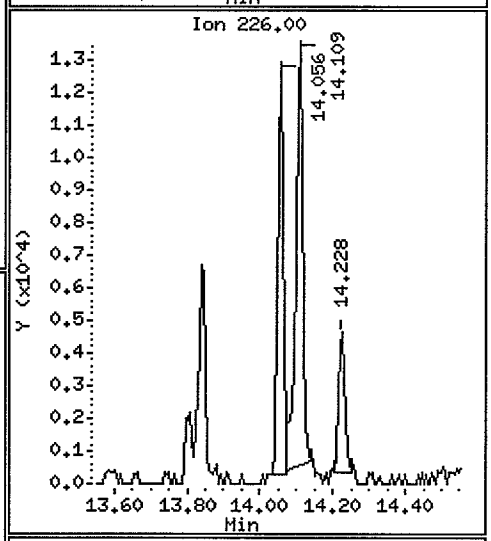


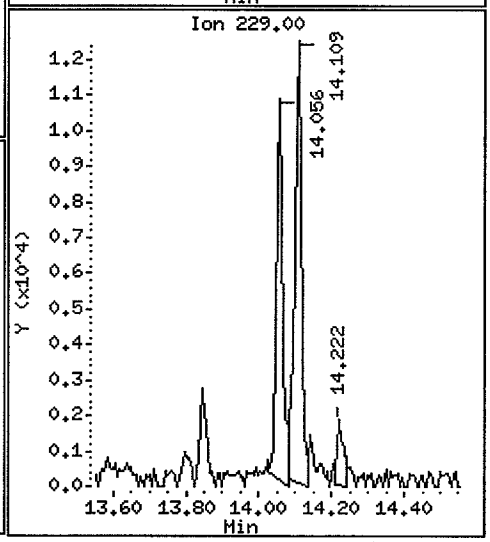












Data File: /chem3/nt1.i/20060807.b/jq35n.d

Date : 07-AUG-2006 19:56

Client ID: T4-S3-06-B

Instrument: nt1.i

Sample Info: JQ35N

Volume Injected (uL): 1.0

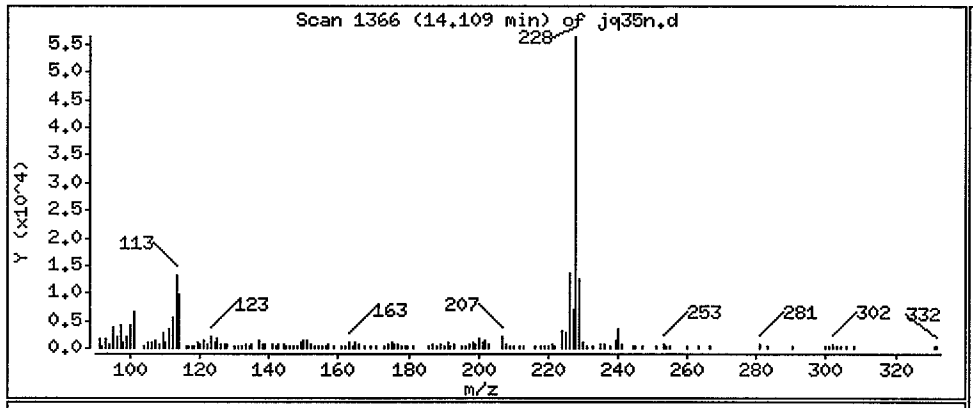
Operator: VTS

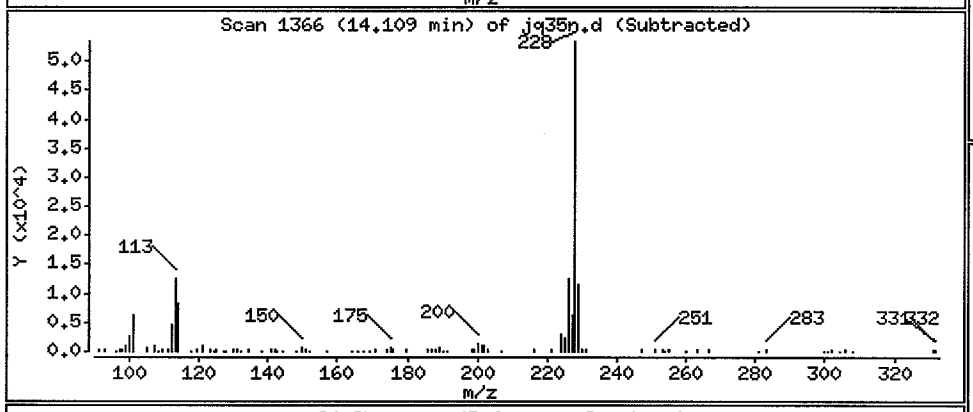
Column phase: ZB-5

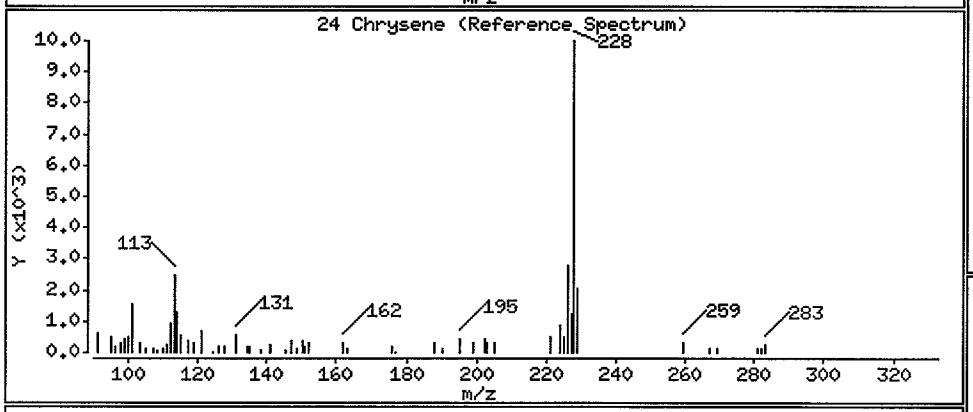
Column diameter: 0.25

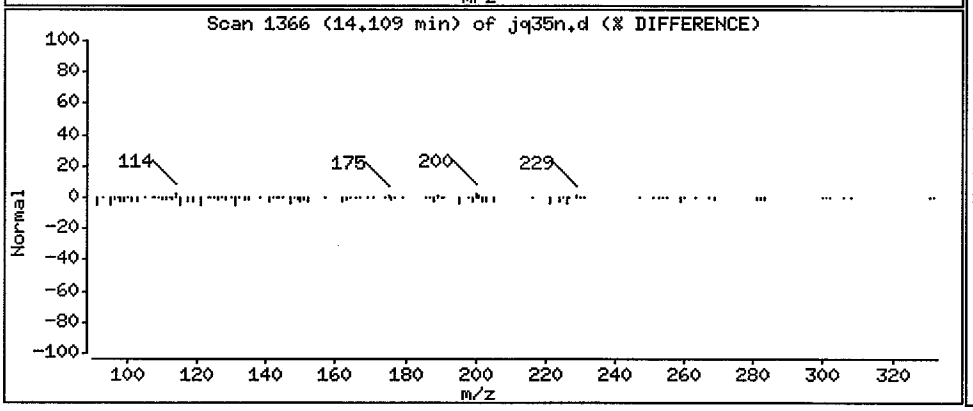
24 Chrysene

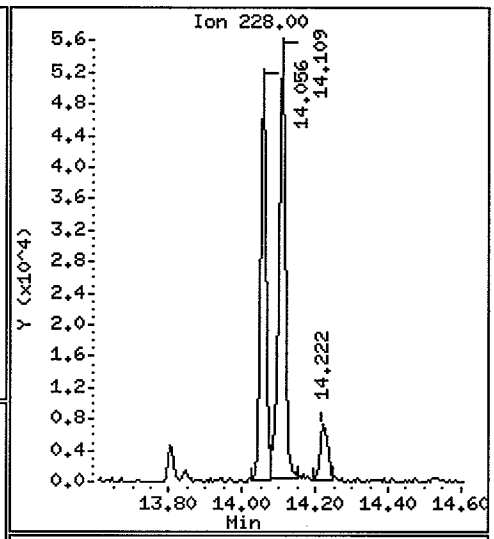
Concentration: 29.37 ug/kg

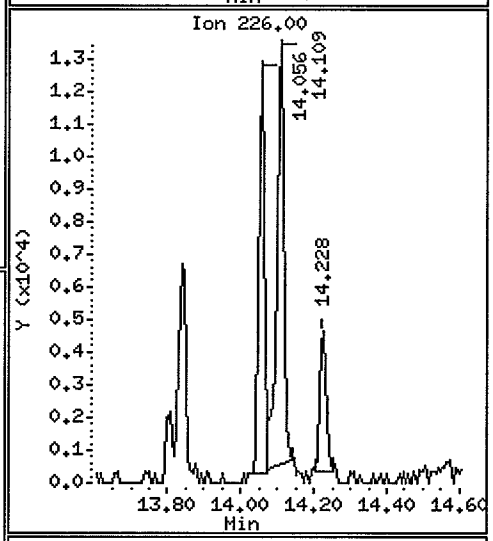


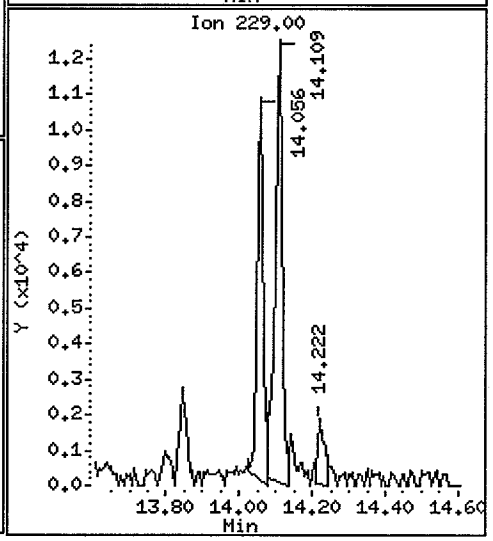












Data File: /chem3/nt1.i/20060807.b/jq35n.d

Date : 07-AUG-2006 19:56

Client ID: T4-S3-06-B

Instrument: nt1.i

Sample Info: JQ35N

Volume Injected (uL): 1.0

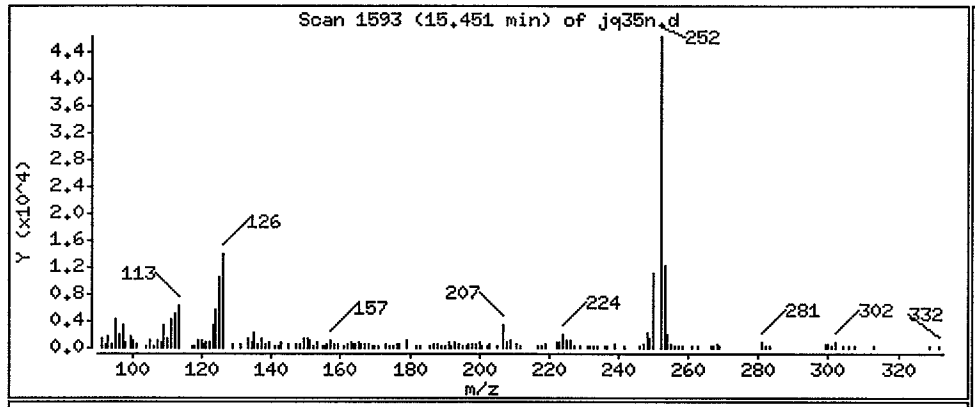
Operator: VTS

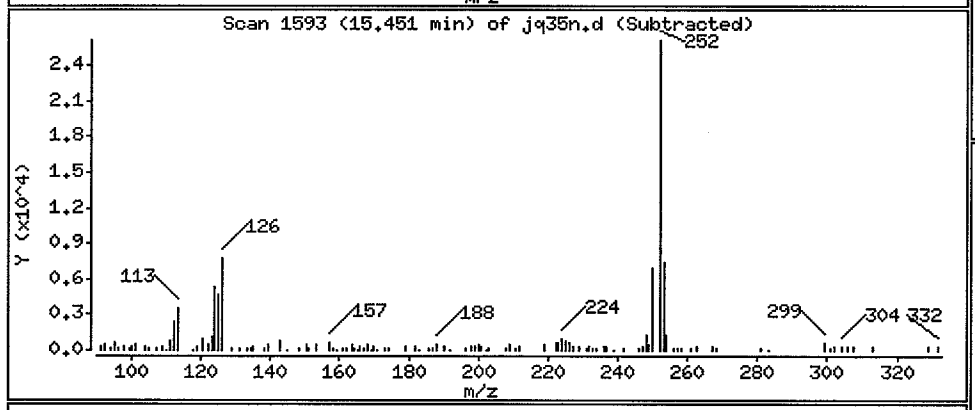
Column phase: ZB-5

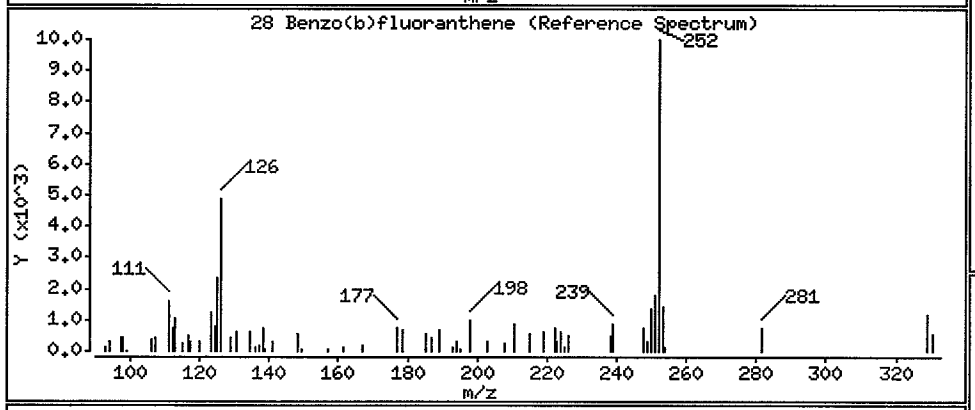
Column diameter: 0.25

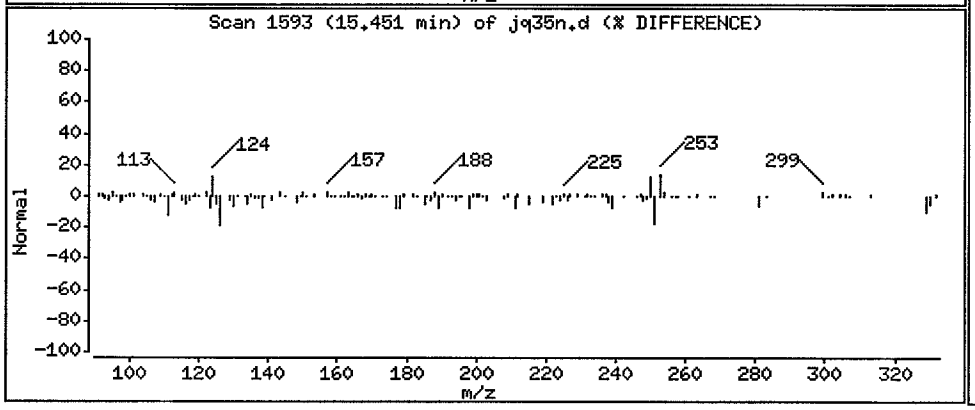
28 Benzo(b)fluoranthene

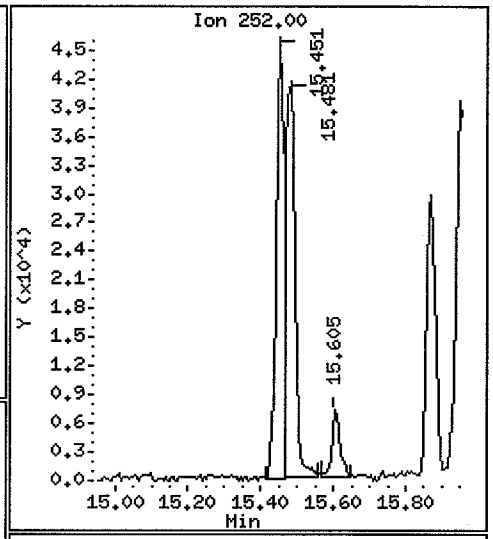
Concentration: 31.21 ug/kg

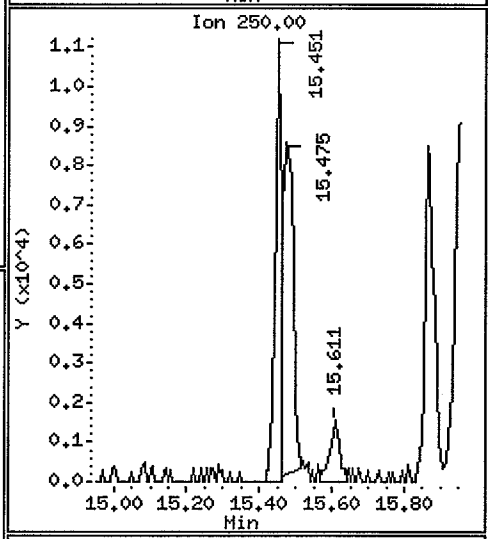


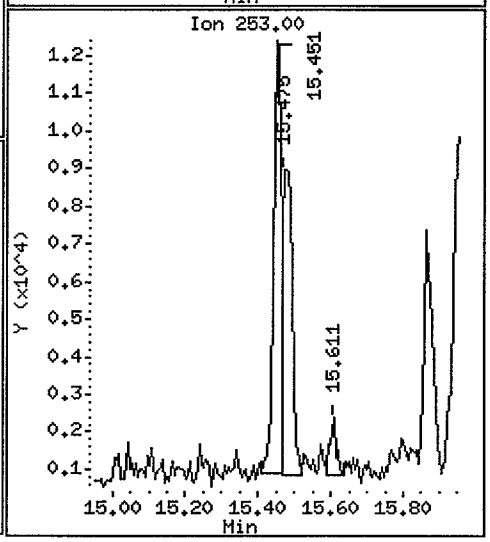












Data File: /chem3/nt1.i/20060807.b/jq35n.d

Date : 07-AUG-2006 19:56

Client ID: T4-S3-06-B

Instrument: nt1.i

Sample Info: JQ35N

Volume Injected (uL): 1.0

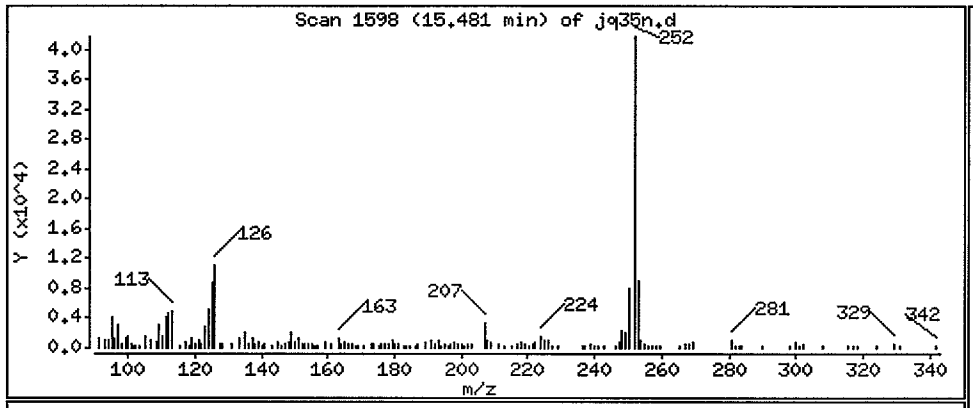
Operator: VTS

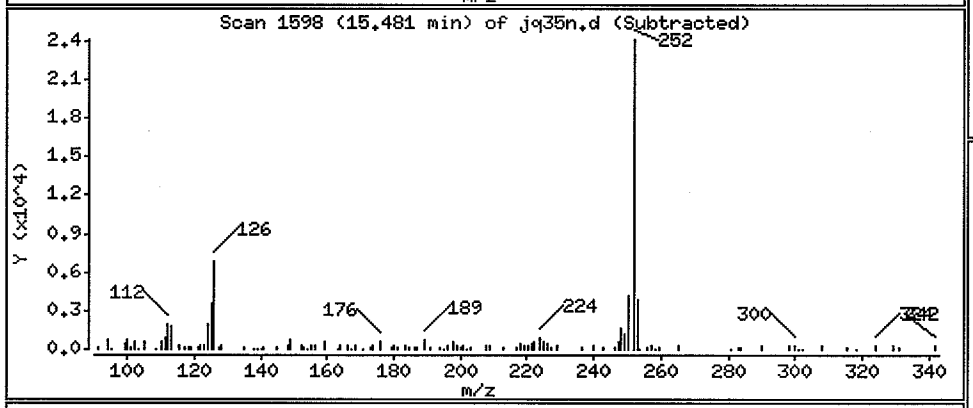
Column phase: ZB-5

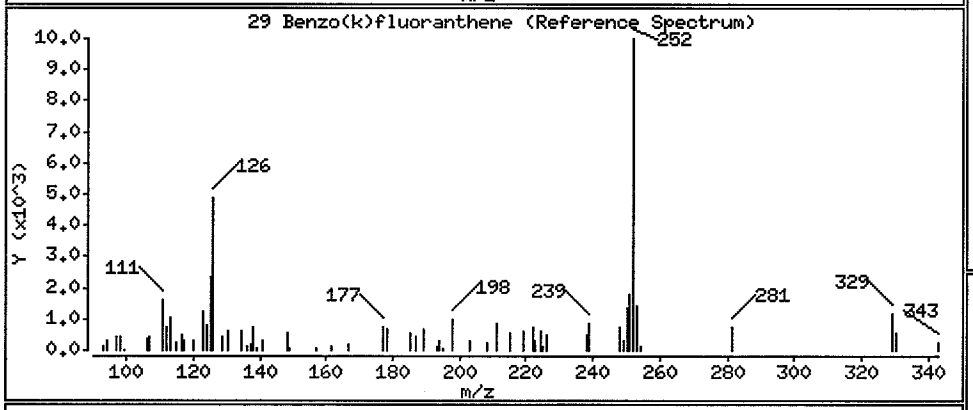
Column diameter: 0.25

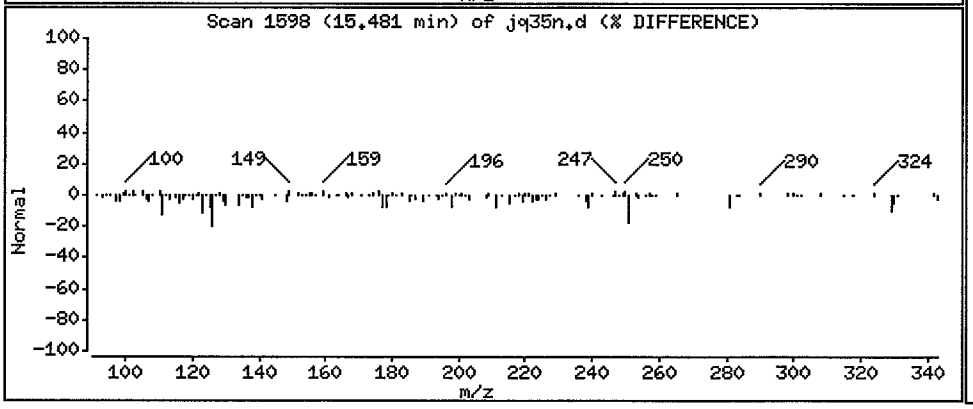
29 Benzo(k)fluoranthene

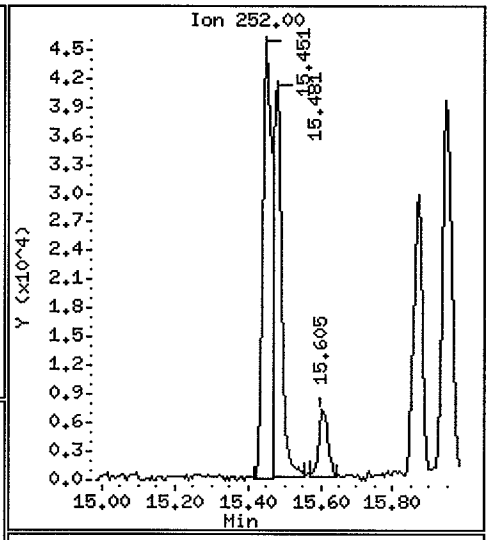
Concentration: 25.77 ug/kg

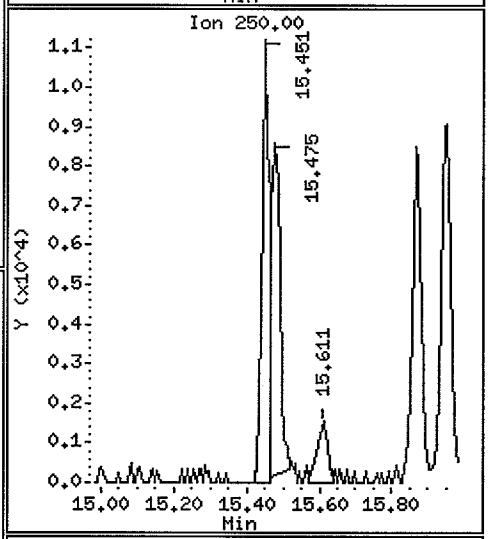


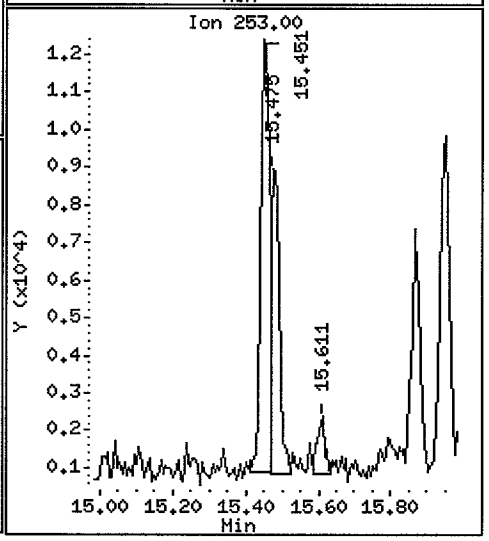












Data File: /chem3/nt1.i/20060807.b/jq35n.d

Date : 07-AUG-2006 19:56

Client ID: T4-S3-06-B

Instrument: nt1.i

Sample Info: JQ35N

Volume Injected (uL): 1.0

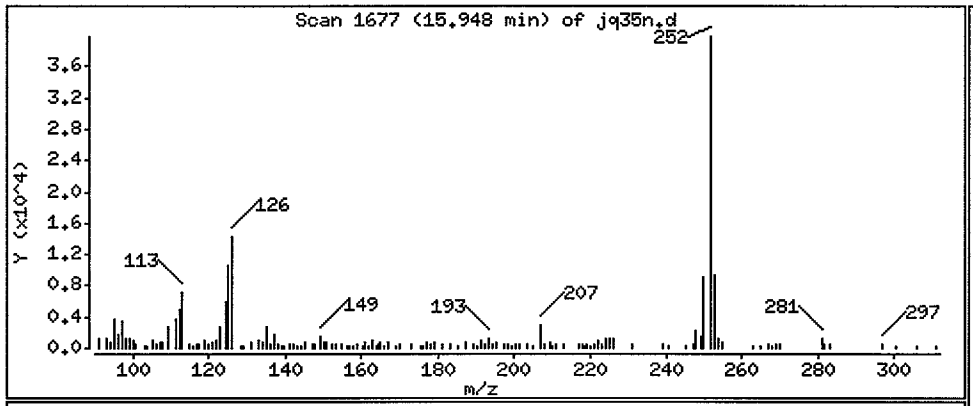
Operator: VTS

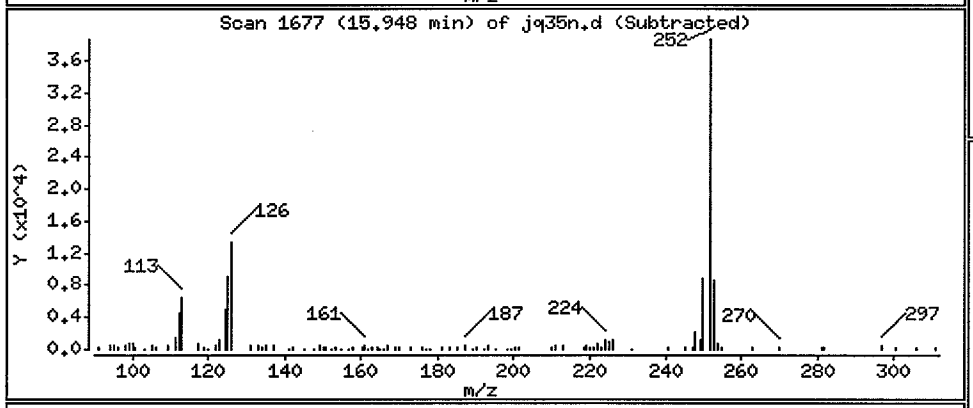
Column phase: ZB-5

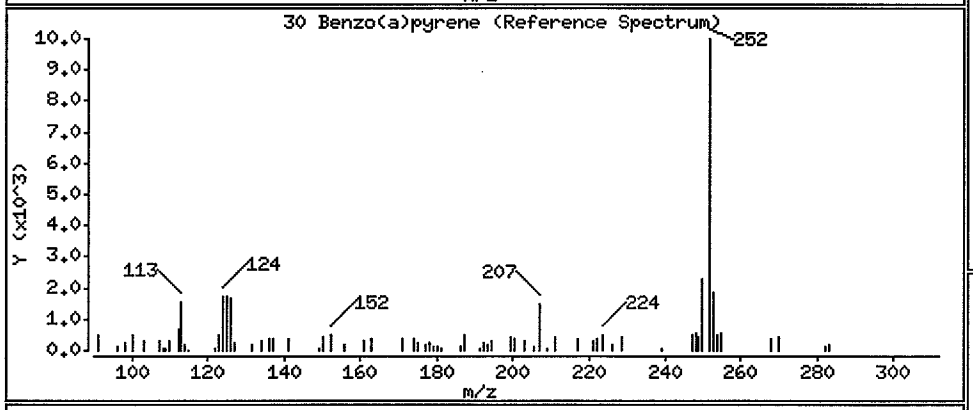
Column diameter: 0.25

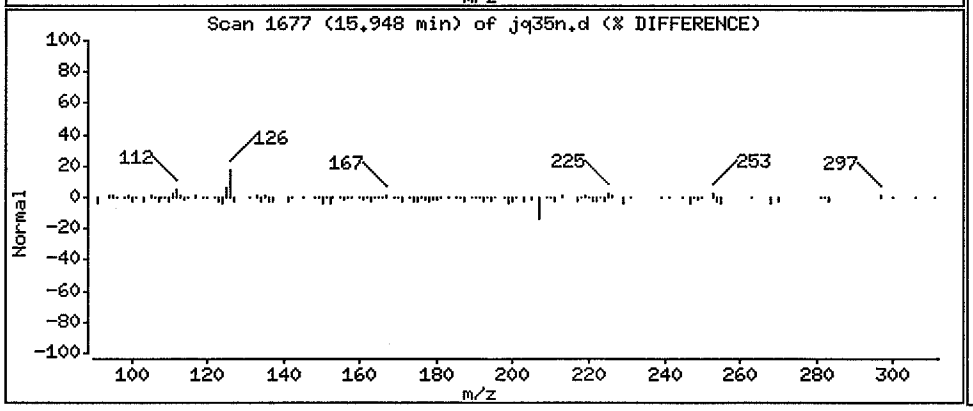
30 Benzo(a)pyrene

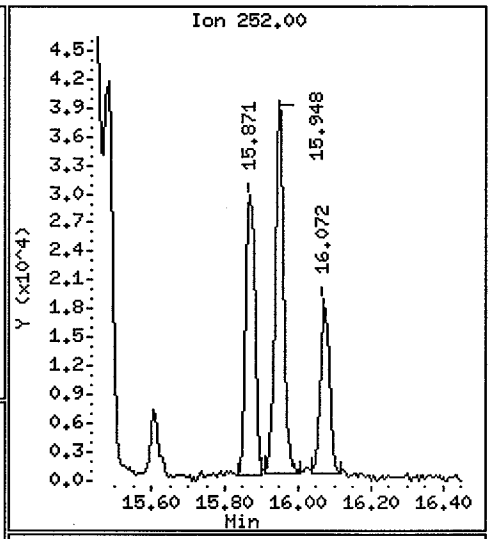
Concentration: 27.03 ug/kg

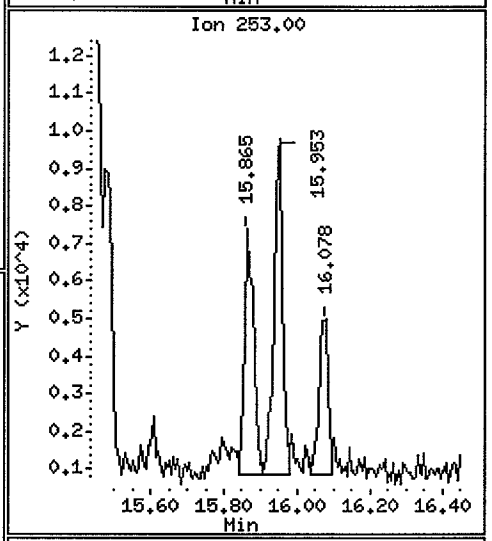


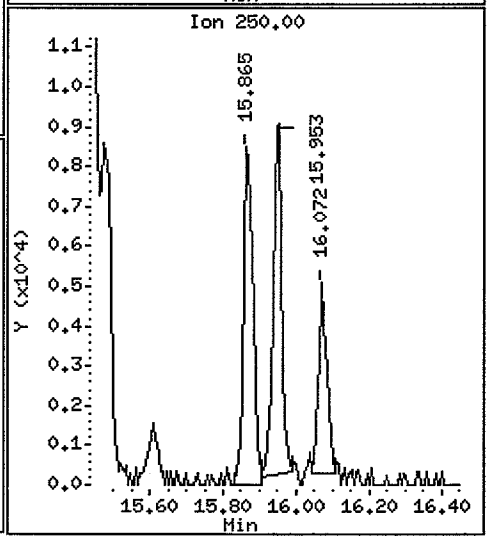












Data File: /chem3/nt1.i/20060807.b/jq35n.d

Date : 07-AUG-2006 19:56

Client ID: T4-S3-06-B

Instrument: nt1.i

Sample Info: JQ35N

Volume Injected (uL): 1.0

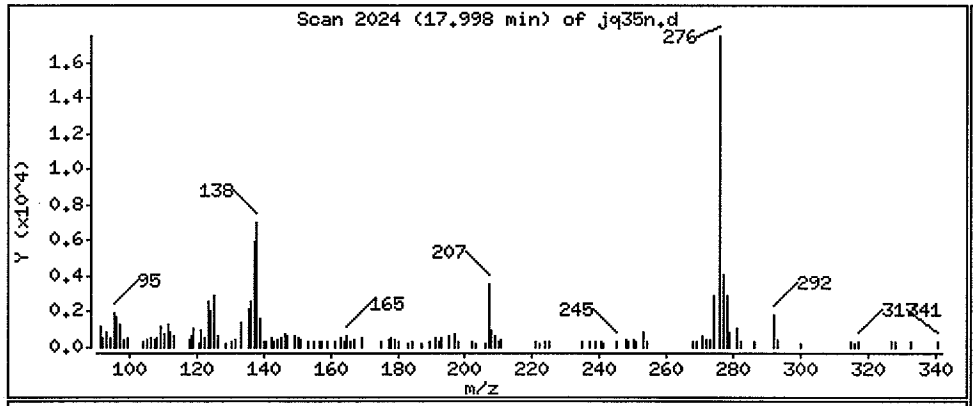
Operator: VTS

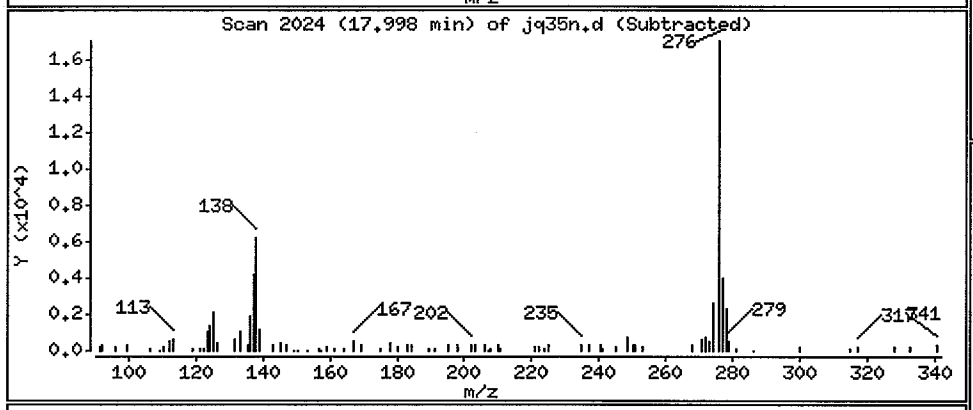
Column phase: ZB-5

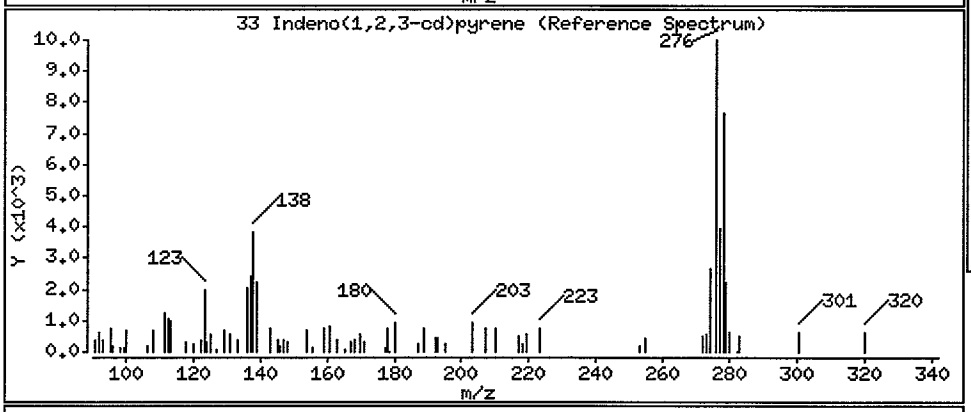
Column diameter: 0.25

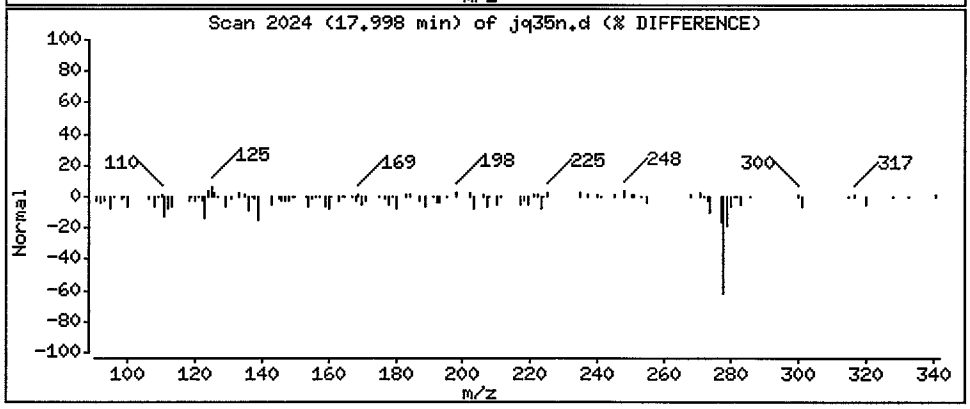
33 Indeno(1,2,3-cd)pyrene

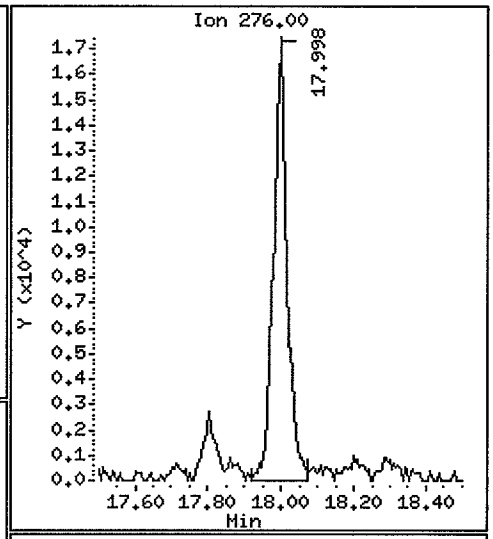
Concentration: 15.96 ug/kg

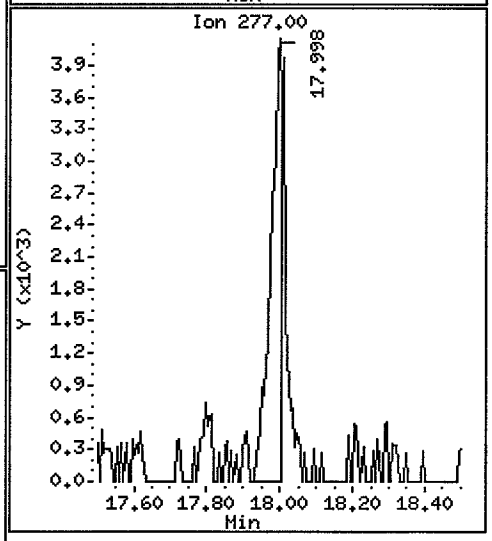












Data File: /chem3/nt1.i/20060807.b/jq35n.d

Date : 07-AUG-2006 19:56

Client ID: T4-S3-06-B

Instrument: nt1.i

Sample Info: JQ35N

Volume Injected (uL): 1.0

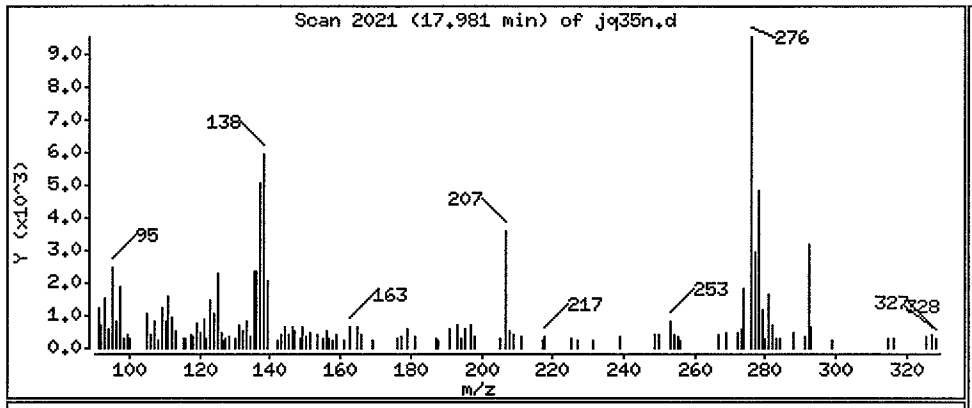
Operator: VTS

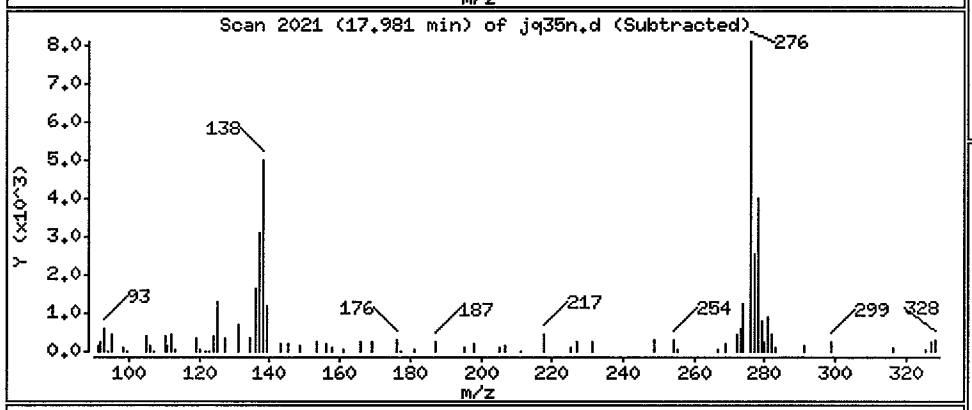
Column phase: ZB-5

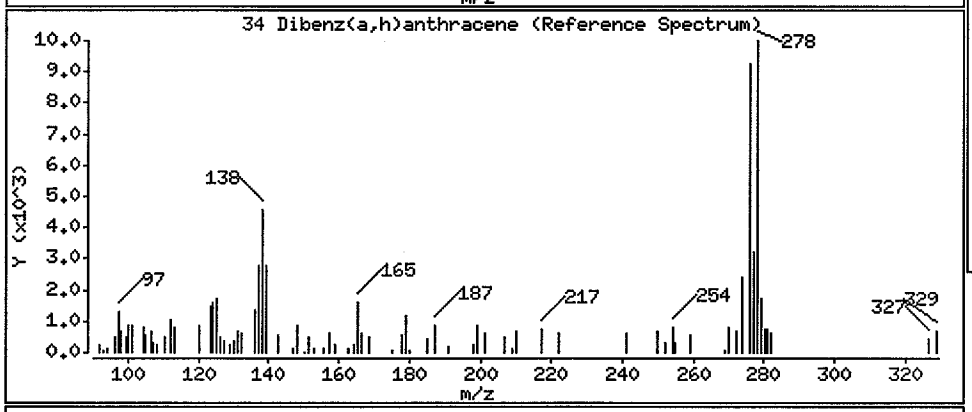
Column diameter: 0.25

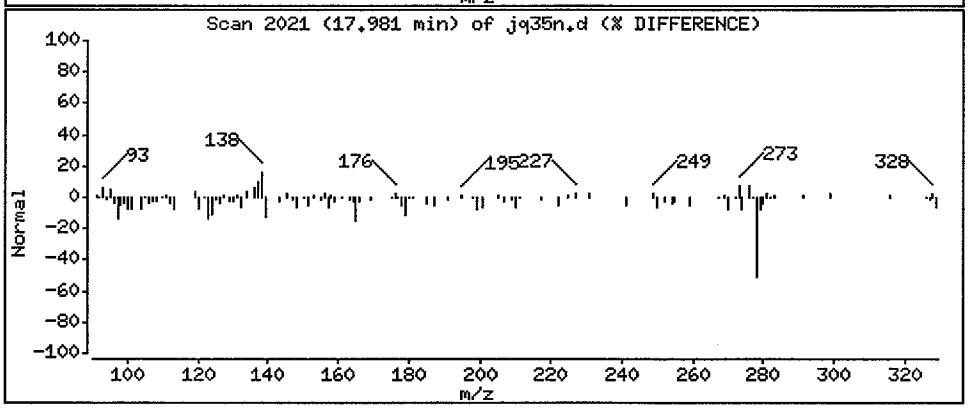
34 Dibenz(a,h)anthracene

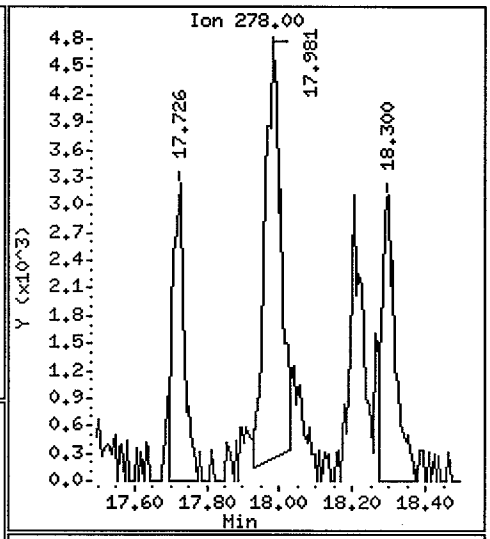
Concentration: 5.906 ug/kg

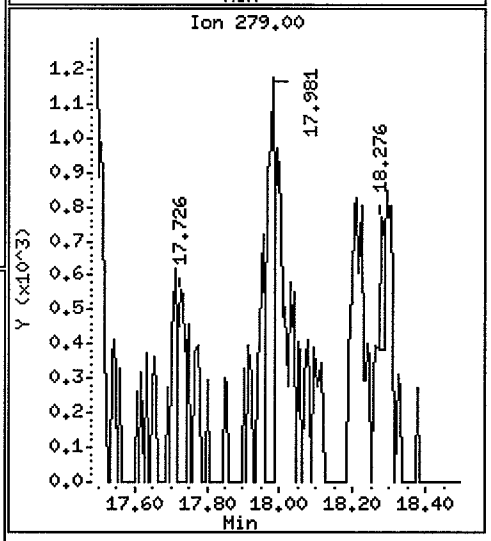












Data File: /chem3/nt1.i/20060807.b/jq35n.d

Date : 07-AUG-2006 19:56

Client ID: T4-S3-06-B

Instrument: nt1.i

Sample Info: JQ35N

Volume Injected (uL): 1.0

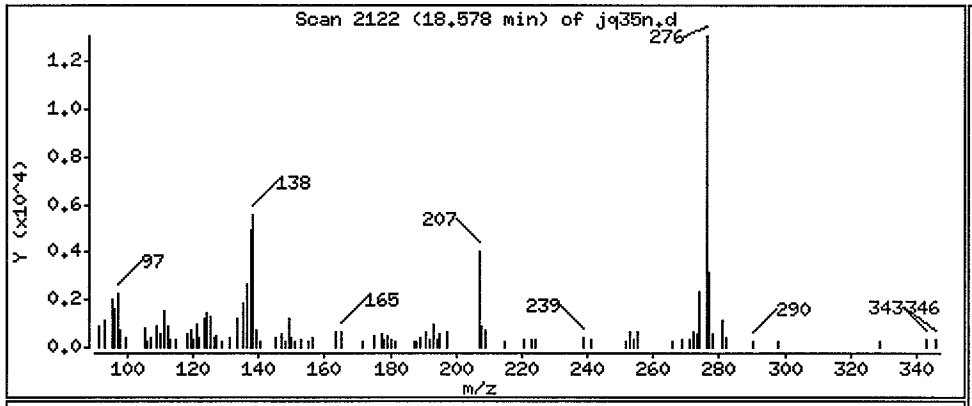
Operator: VTS

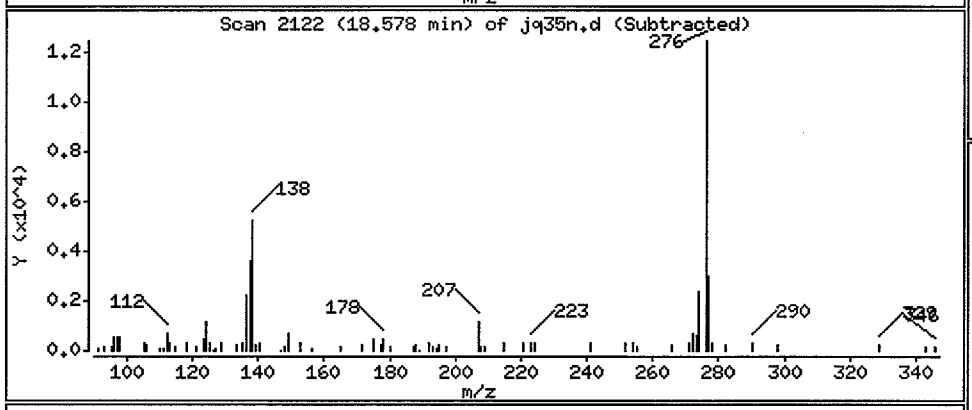
Column phase: ZB-5

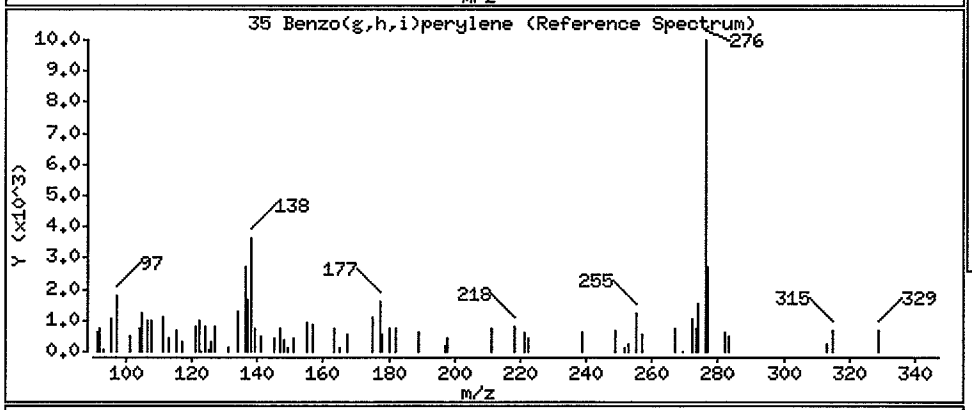
Column diameter: 0.25

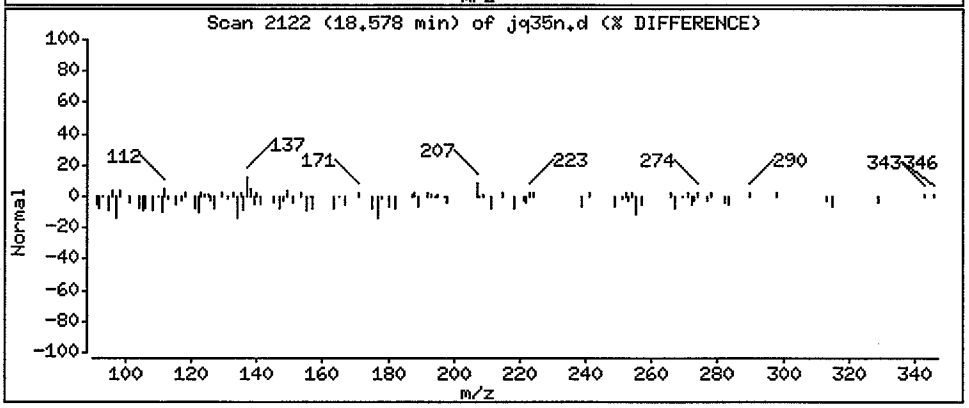
35 Benzo(g,h,i)perylene

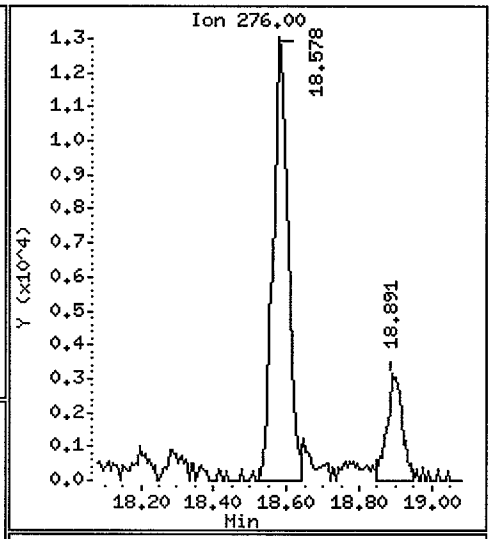
Concentration: 15.69 ug/kg

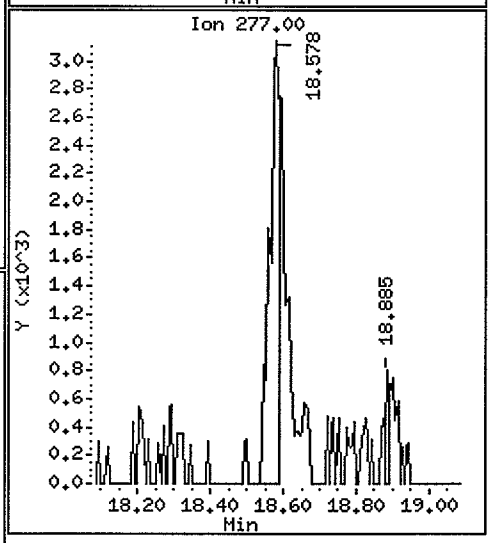












Data File: /chem3/nt1.i/20060807.b/jq35n.d

Date : 07-AUG-2006 19:56

Client ID: T4-S3-06-B

Instrument: nt1.i

Sample Info: JQ35N

Volume Injected (uL): 1.0

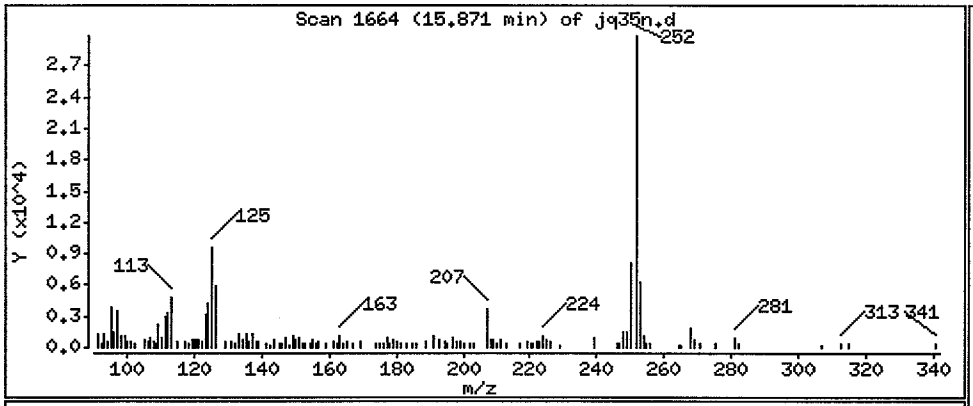
Operator: VTS

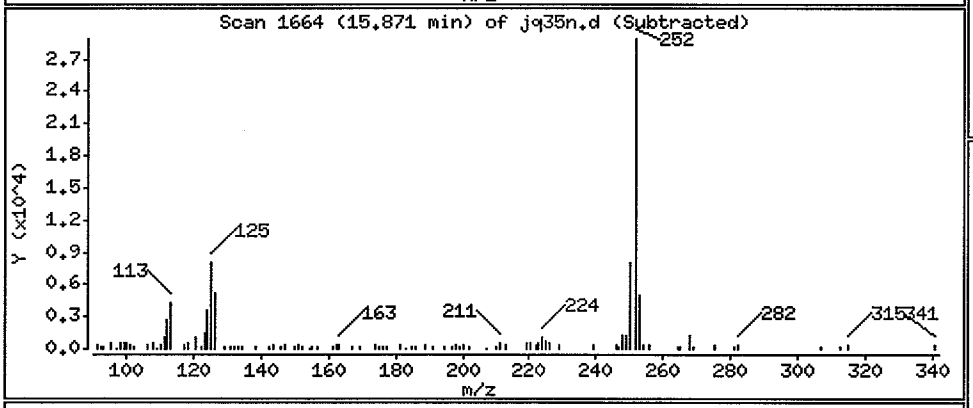
Column phase: ZB-5

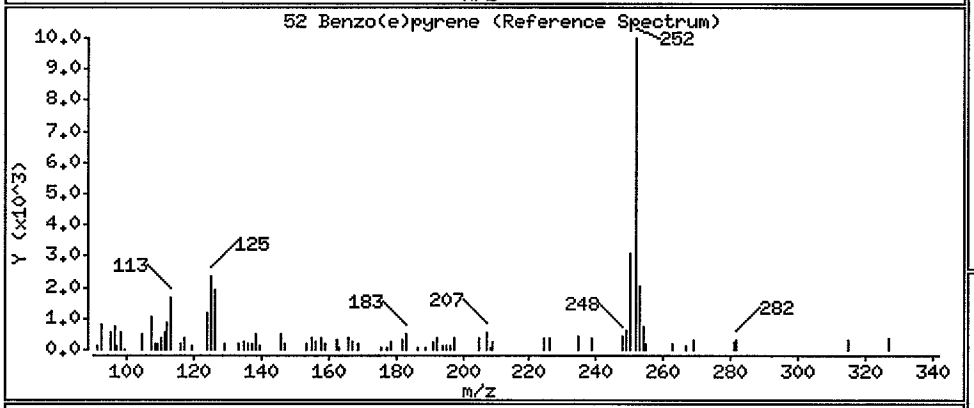
Column diameter: 0.25

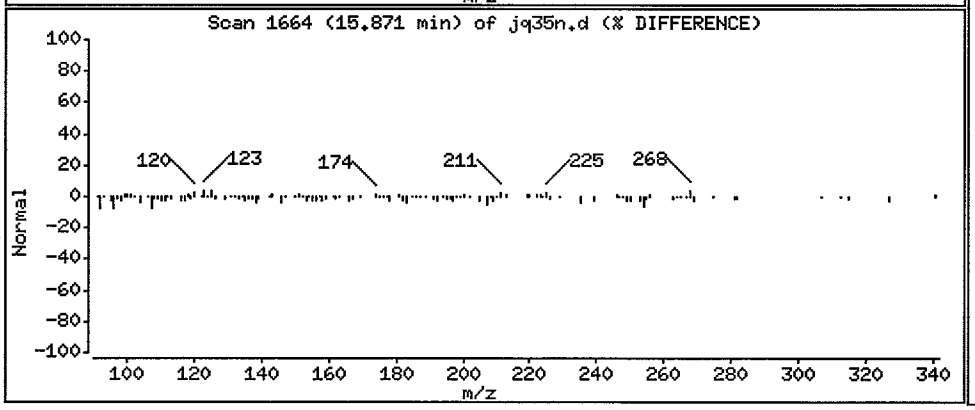
52 Benzo(e)pyrene

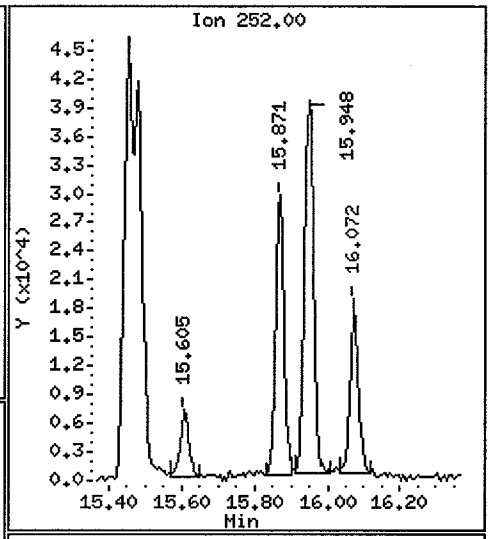
Concentration: 17.88 ug/kg

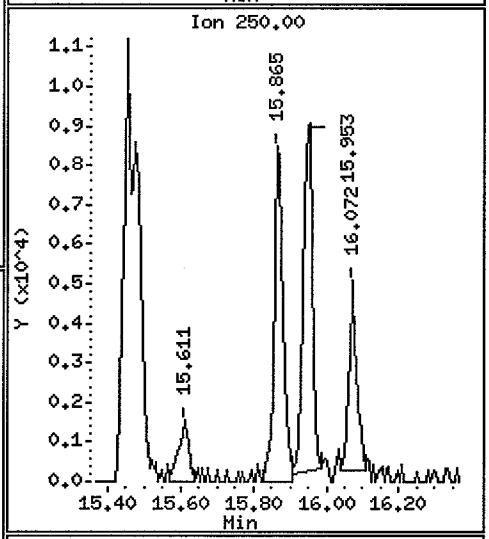


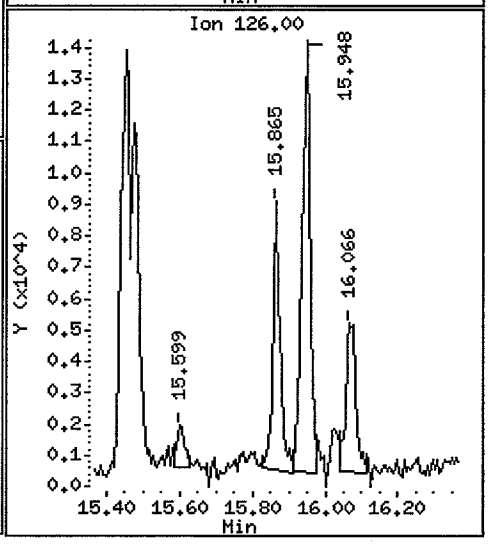












Data File: /chem3/nt1.i/20060807.b/jq35n.d

Date : 07-AUG-2006 19:56

Client ID: T4-S3-06-B

Instrument: nt1.i

Sample Info: JQ35N

Volume Injected (uL): 1.0

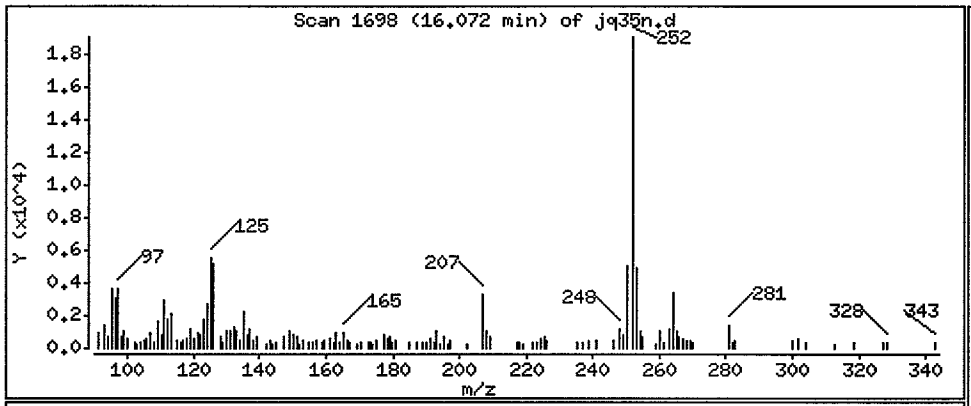
Operator: VTS

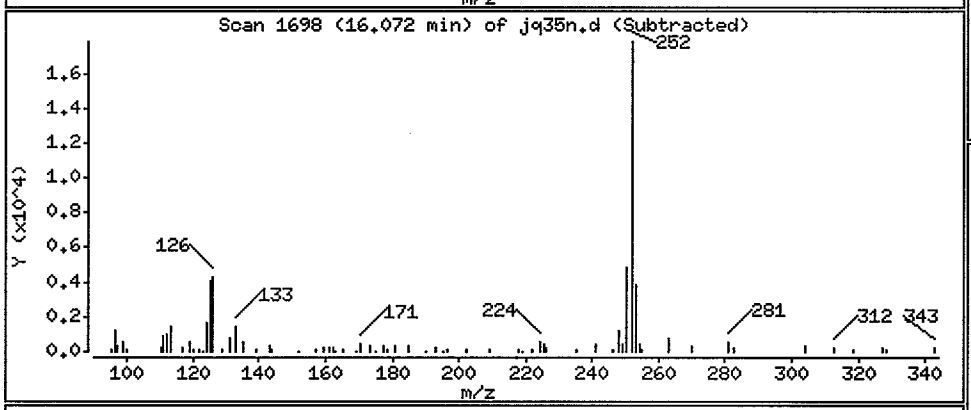
Column phase: ZB-5

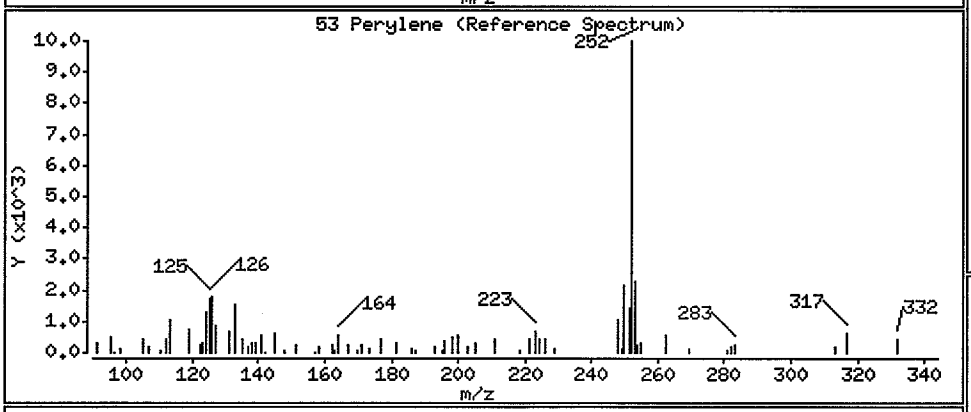
Column diameter: 0.25

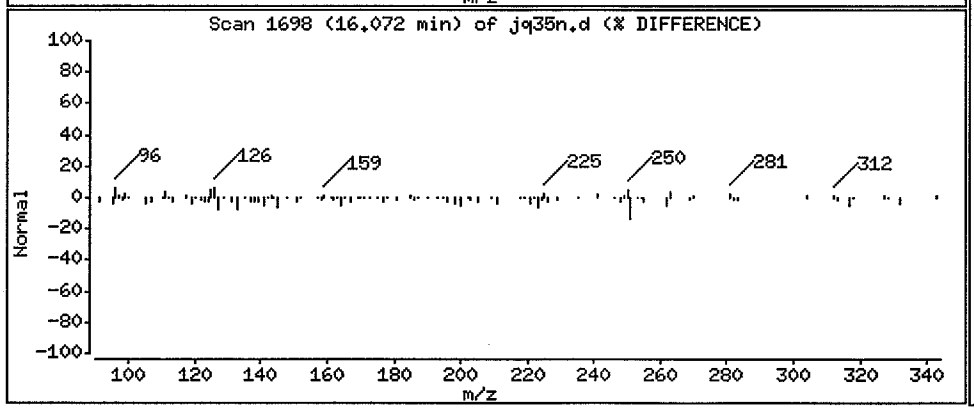
53 Perylene

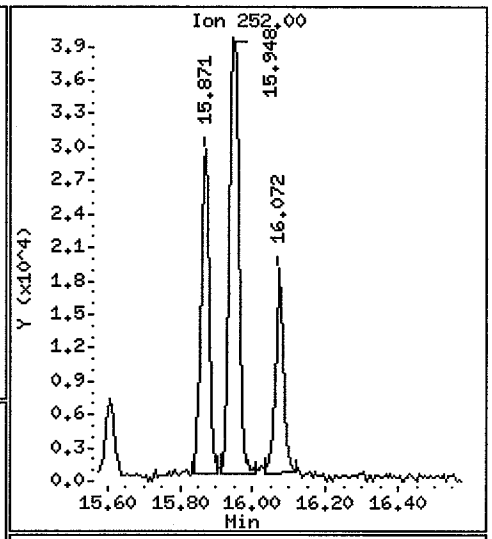
Concentration: 11.16 ug/kg

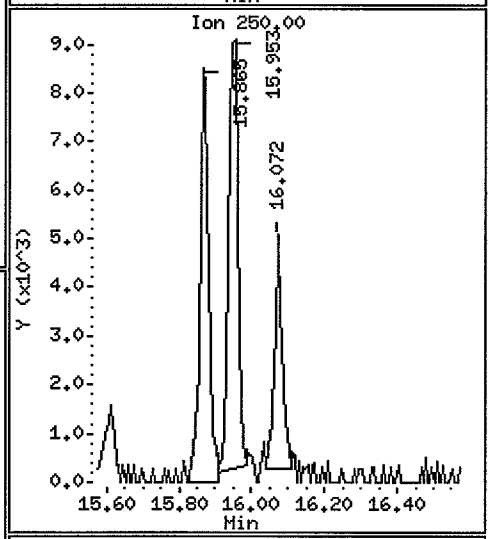


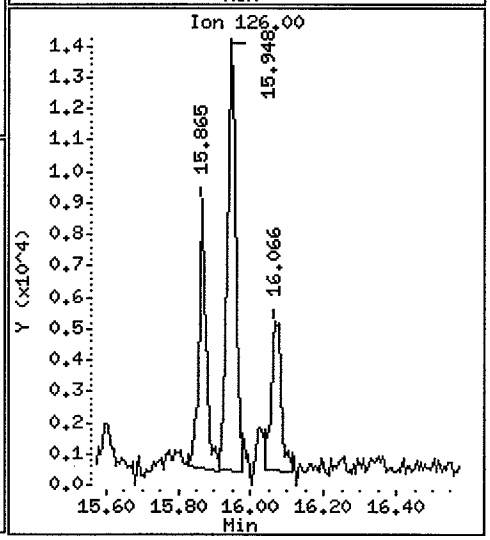












ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-08-B
SAMPLE

Lab Sample ID: JQ35O
LIMS ID: 06-12970
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 20:21
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: 29.9%
pH: 6.9

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**49**	**93**
91-57-6	**2-Methylnaphthalene**	**49**	**49**
90-12-0	1-Methylnaphthalene	49	< 49 U
208-96-8	Acenaphthylene	49	< 49 U
83-32-9	**Acenaphthene**	**49**	**550**
86-73-7	**Fluorene**	**49**	**260**
85-01-8	**Phenanthrene**	**49**	**2,100**
120-12-7	**Anthracene**	**49**	**500**
206-44-0	**Fluoranthene**	**49**	**4,900**
129-00-0	**Pyrene**	**49**	**4,500**
56-55-3	**Benzo(a)anthracene**	**49**	**3,100**
218-01-9	**Chrysene**	**49**	**3,800**
205-99-2	**Benzo(b)fluoranthene**	**49**	**4,000**
207-08-9	**Benzo(k)fluoranthene**	**49**	**4,100**
50-32-8	**Benzo(a)pyrene**	**49**	**4,400**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**49**	**2,000**
53-70-3	**Dibenz(a,h)anthracene**	**49**	**700**
191-24-2	**Benzo(g,h,i)perylene**	**49**	**2,000**
198-55-0	**Perylene**	**49**	**1,300**
92-52-4	Biphenyl	49	< 49 U
581-42-0	2,6-Dimethylnaphthalene	49	< 49 U
832-69-9	**1-Methylphenanthrene**	**49**	**140**
192-97-2	**Benzo(e)pyrene**	**49**	**2,600**
2245-38-7	2,3,5-Trimethylnaphthalene	49	< 49 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	69.0%
d14-Dibenzo(a,h)anthracen	78.7%

YZ 8/9/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq35o10.d
Lab Smp Id: JQ35O Client Smp ID: T4-S3-08-B
Inj Date : 07-AUG-2006 20:21
Operator : VTS Inst ID: nt1.i
Smp Info : JQ35O,10
Misc Info : 06-12970
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: 23
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	14.60000	Weight of sample extracted (g)
M	29.90000	% 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)	288440	2.00000	
2 Naphthalene	128	6.908	6.915	(1.003)	27684	0.19242	94.00
$ 3 2-Methylnaphthalene-d10	152	7.646	7.648	(1.110)	15403	0.20733	101.3
4 2-Methylnaphthalene	142	7.682	7.683	(1.115)	8800	0.10328	50.46
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.953	8.954	(1.000)	153597	2.00000	
9 Acenaphthene	153	8.988	8.989	(1.004)	84408	1.11919	546.8
10 Dibenzofuran	168	9.177	9.178	(1.025)	21460	0.19318	94.37
11 Fluorene	166	9.603	9.604	(1.073)	45071	0.52116	254.6
* 15 Phenanthrene-d10	188	10.767	10.762	(1.000)	247720	2.00000	
16 Phenanthrene	178	10.791	10.792	(1.002)	548467	4.31352	2107
17 Anthracene	178	10.850	10.851	(1.008)	127816	1.00590	491.4
19 Fluoranthene	202	12.286	12.287	(1.141)	1291815	9.96075	4866(M)
20 Pyrene	202	12.575	12.577	(0.893)	1310155	9.19101	4490

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
22 Benzo(a)anthracene	228	14.059	14.054	(0.998)	856419	6.40647	3130
* 23 Chrysene-d12	240	14.083	14.078	(1.000)	221992	2.00000	
24 Chrysene	228	14.112	14.107	(1.002)	962146	7.80324	3812
28 Benzo(b)fluoranthene	252	15.460	15.455	(0.964)	974475	8.08560	3950
29 Benzo(k)fluoranthene	252	15.489	15.484	(0.966)	1086112	8.45318	4130
30 Benzo(a)pyrene	252	15.956	15.951	(0.995)	1064598	9.06544	4429
* 31 Perylene-d12	264	16.039	16.034	(1.000)	213545	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	18.007	18.002	(1.123)	551944	4.08696	1997
$ 32 Dibenz(a,h)anthrancene-d14	292	17.924	17.931	(1.118)	19279	0.23591	115.2
34 Dibenz(a,h)anthracene	278	17.989	17.996	(1.122)	158206	1.43398	700.6
35 Benzo(g,h,i)perylene	276	18.592	18.581	(1.159)	463351	4.12744	2016
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	11.566	(0.821)	25666	0.28245	138.0
52 Benzo(e)pyrene	252	15.879	15.869	(0.990)	694021	5.33900	2608
53 Perylene	252	16.080	16.075	(1.003)	335328	2.74742	1342

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: jq35o10.d
Lab Smp Id: JQ35O
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12970

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-08-B
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	288440	24.84
8 Acenaphthene-d10	129131	64566	258262	153597	18.95
15 Phenanthrene-d10	212850	106425	425700	247720	16.38
23 Chrysene-d12	190817	95408	381634	221992	16.34
31 Perylene-d12	197592	98796	395184	213545	8.07

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	-0.01
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	16.04	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

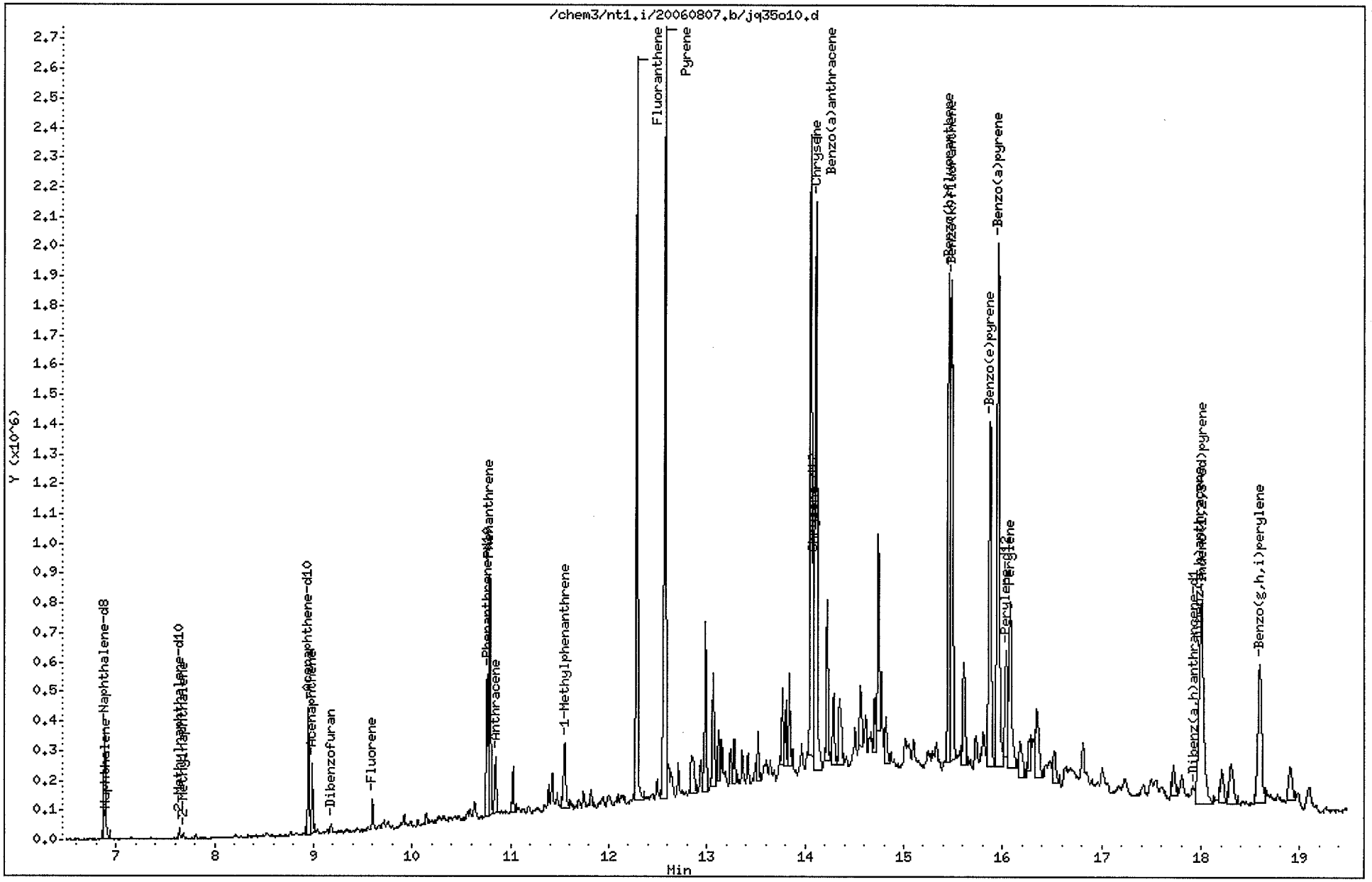
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35O
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12970

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-08-B
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	146.6	101.3	69.11	32-97
$ 32 Dibenz(a,h)anthran	146.6	115.2	78.64	21-105

Data File: /chem3/nt1.i/20060807.b/jq35o10.d
Date : 07-AUG-2006 20:21
Client ID: T4-S3-08-B
Sample Info: JQ350,10
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0528

Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ35O,10

Volume Injected (uL): 1.0

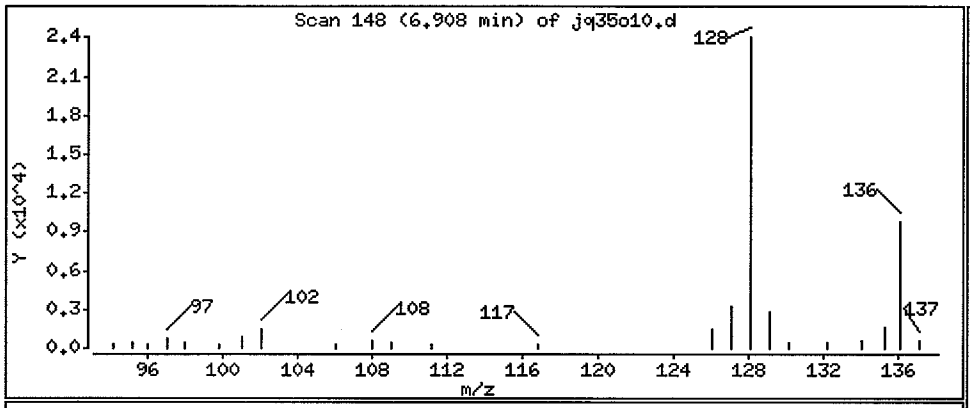
Operator: VTS

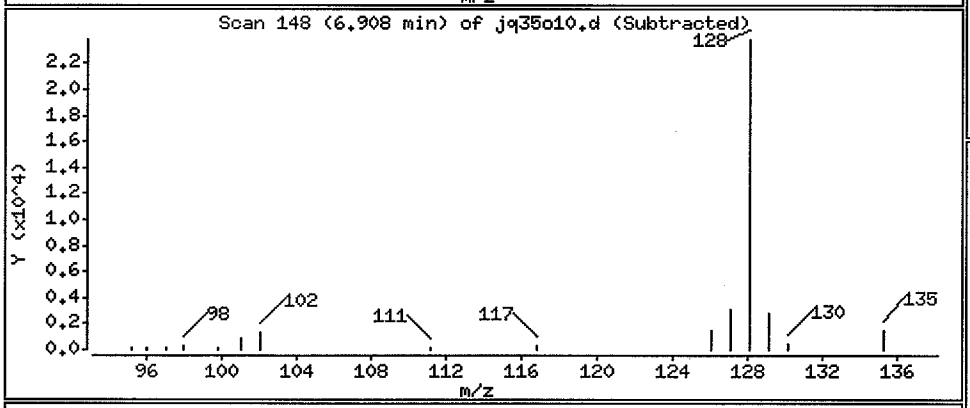
Column phase: ZB-5

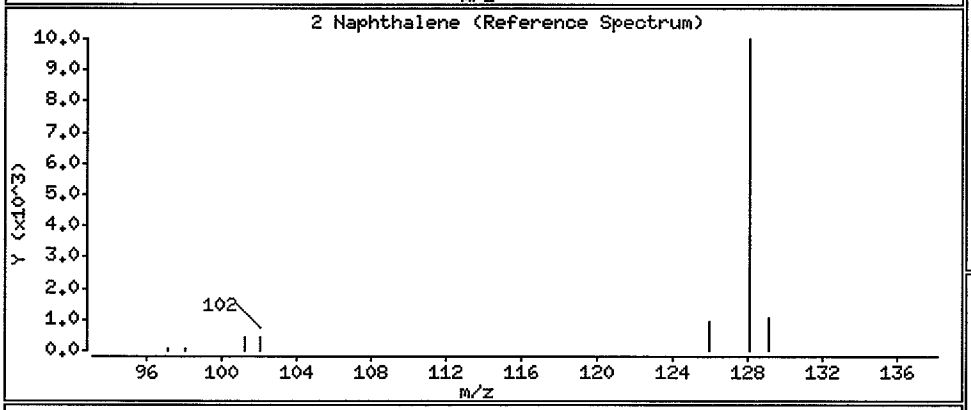
Column diameter: 0.25

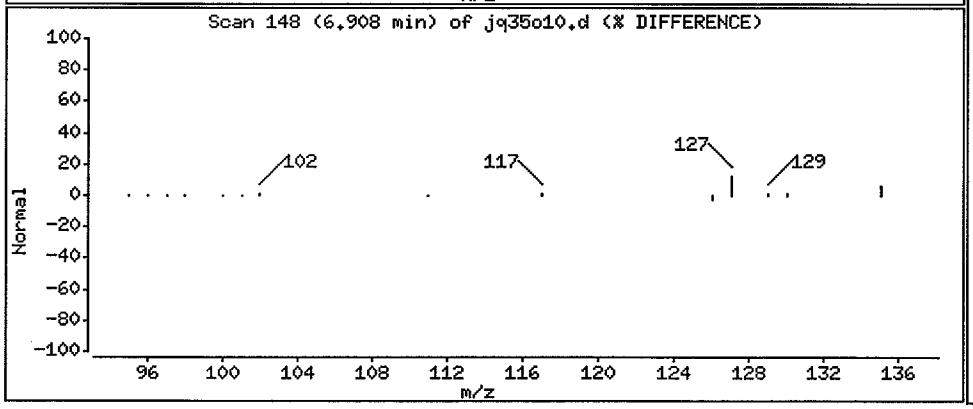
2 Naphthalene

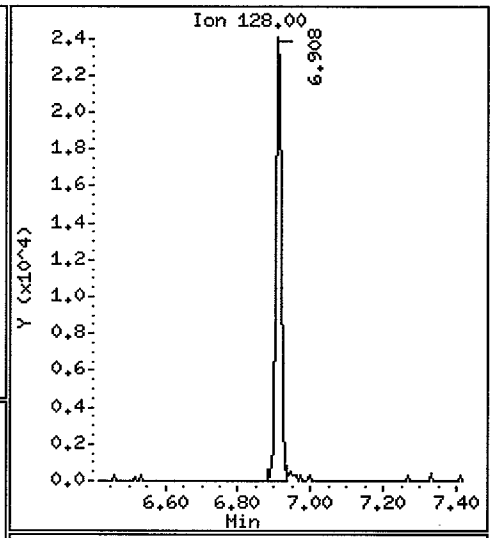
Concentration: 94.00 ug/kg

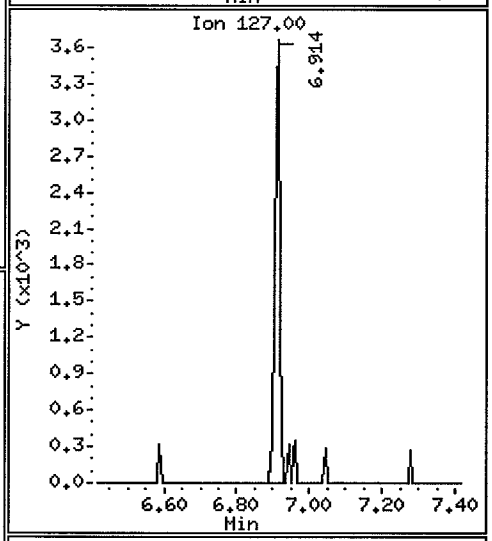


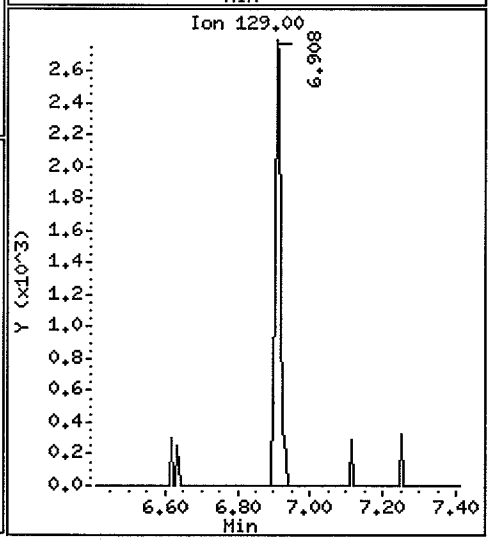












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ35O,10

Volume Injected (uL): 1.0

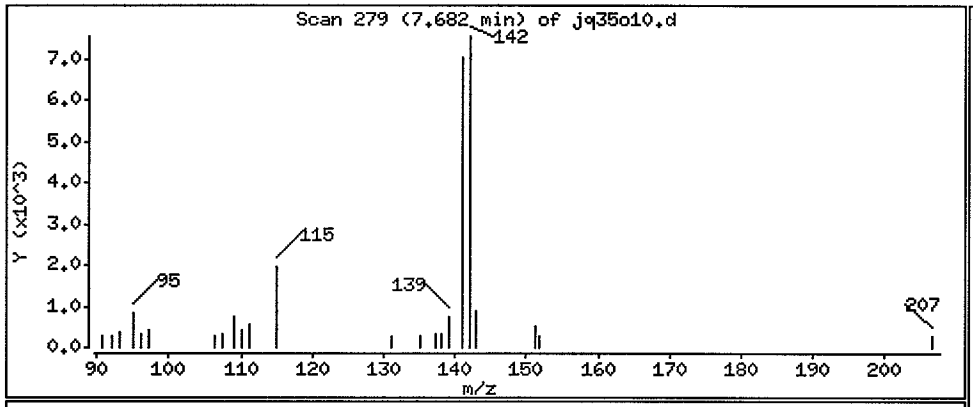
Operator: VTS

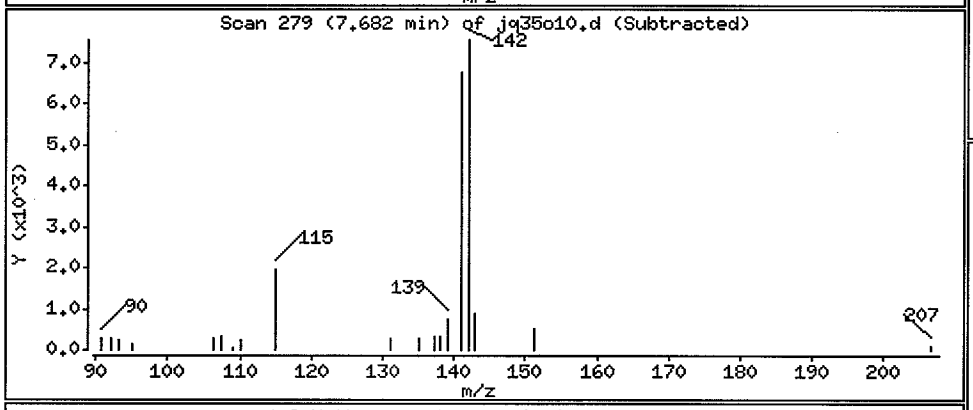
Column phase: ZB-5

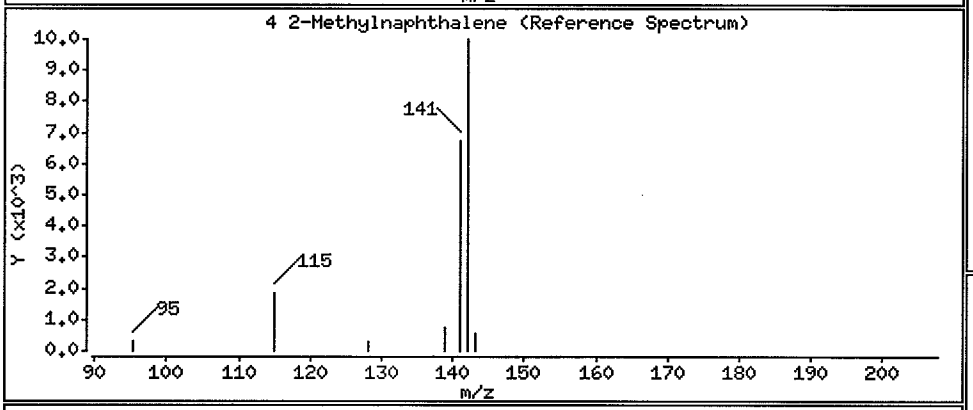
Column diameter: 0.25

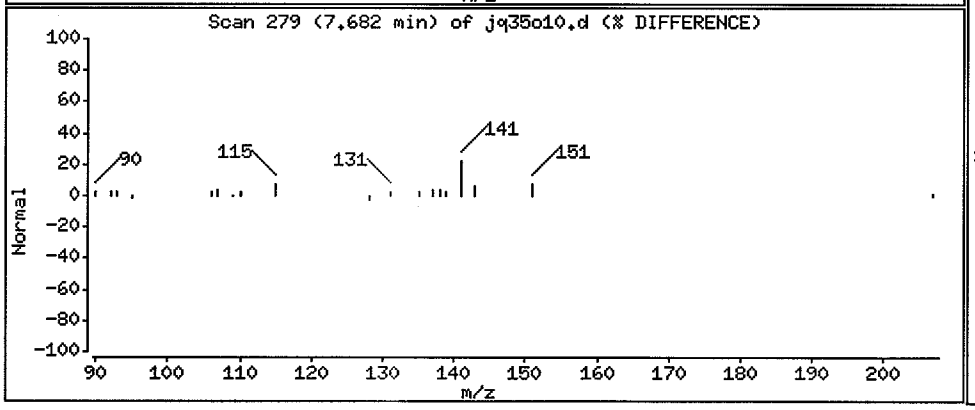
4 2-Methylnaphthalene

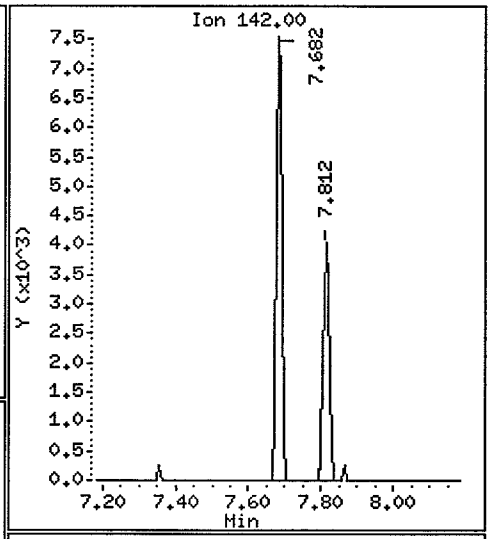
Concentration: 50.46 ug/kg

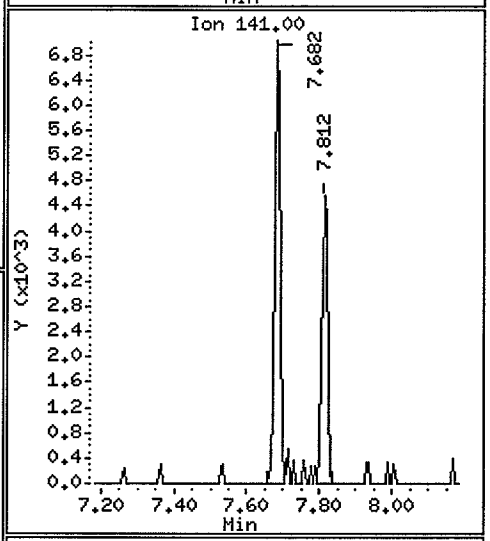


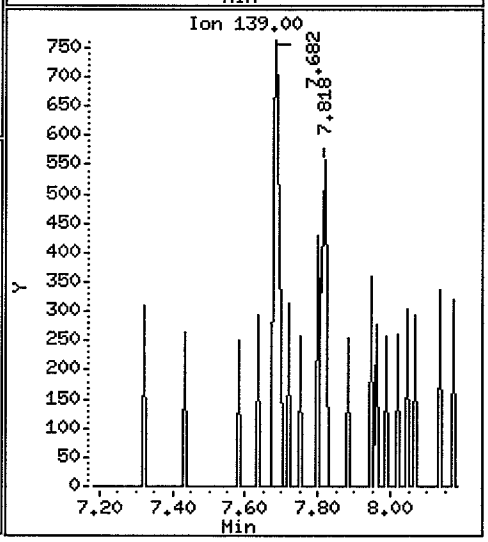












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ35O,10

Volume Injected (uL): 1.0

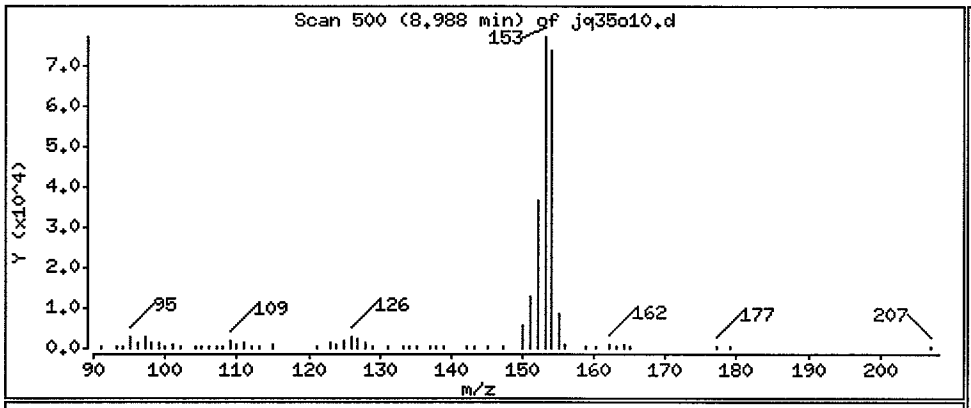
Operator: VTS

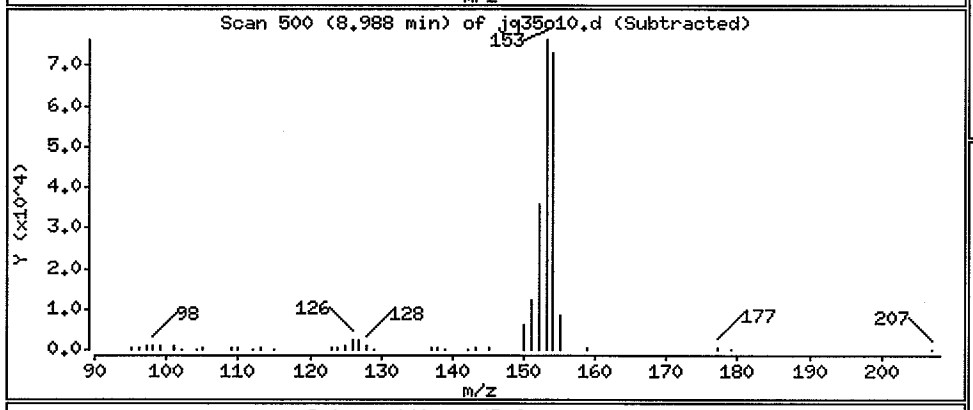
Column phase: ZB-5

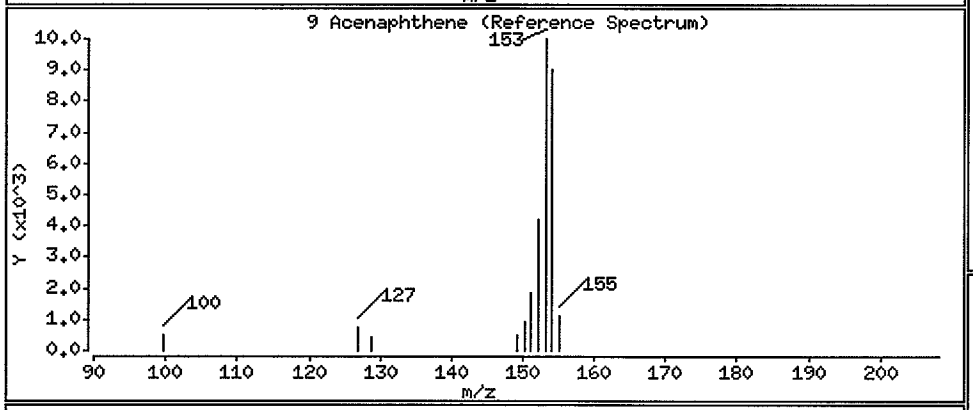
Column diameter: 0.25

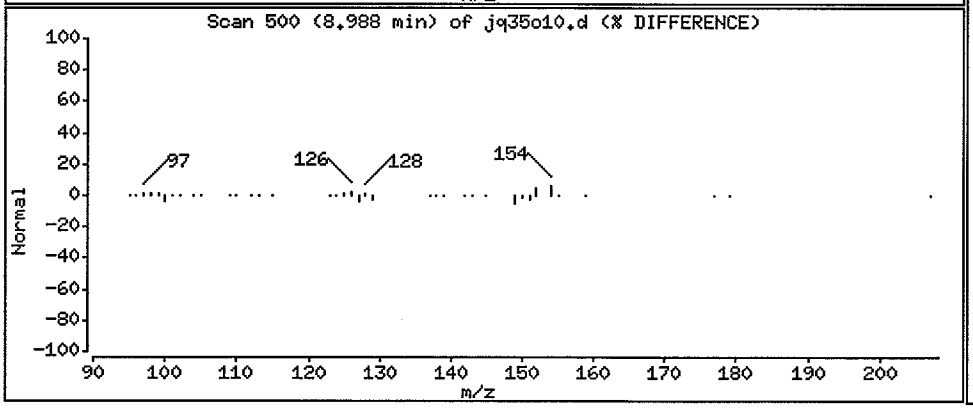
9 Acenaphthene

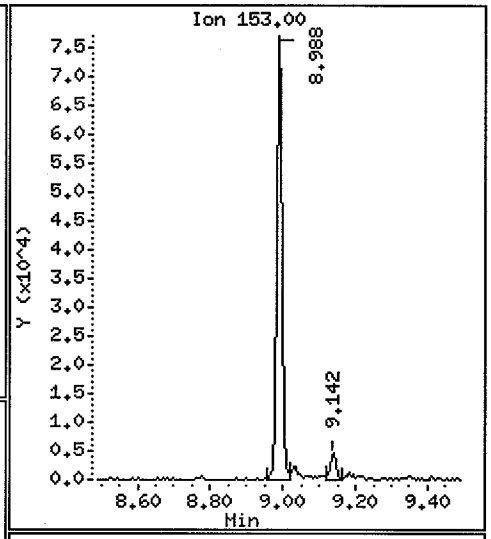
Concentration: 546.8 ug/kg

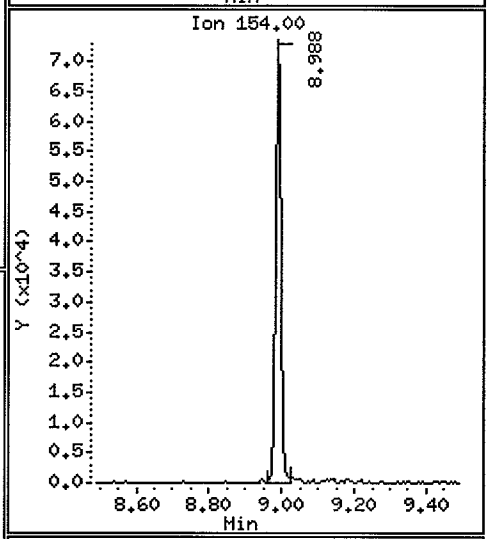


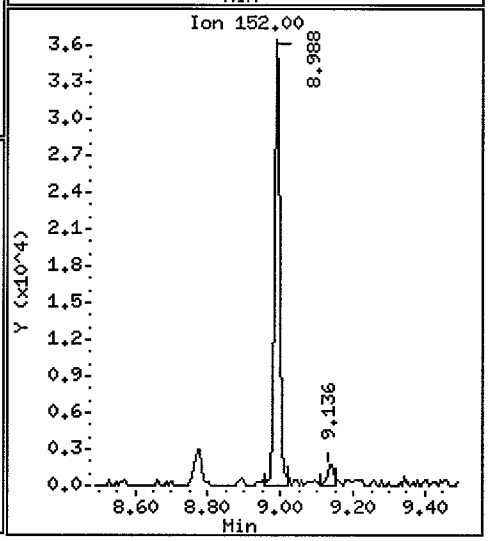












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ35O,10

Volume Injected (uL): 1.0

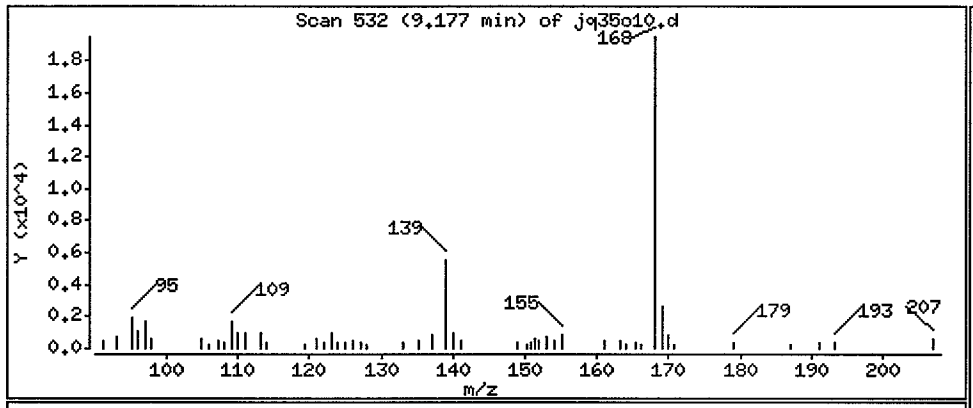
Operator: VTS

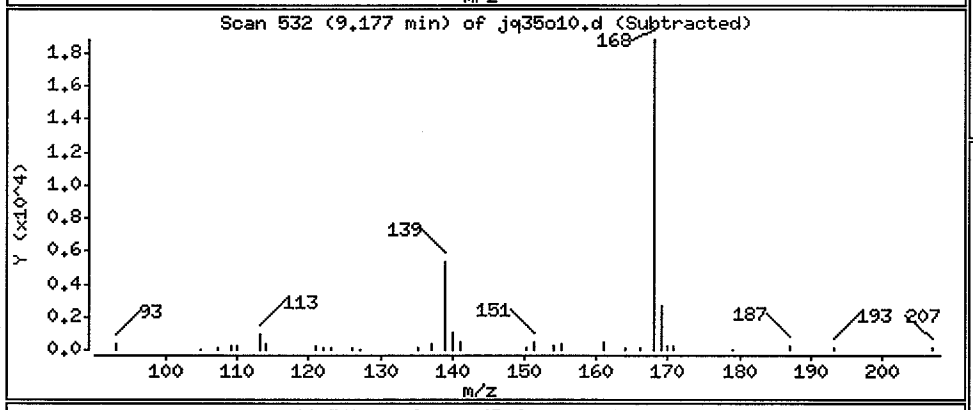
Column phase: ZB-5

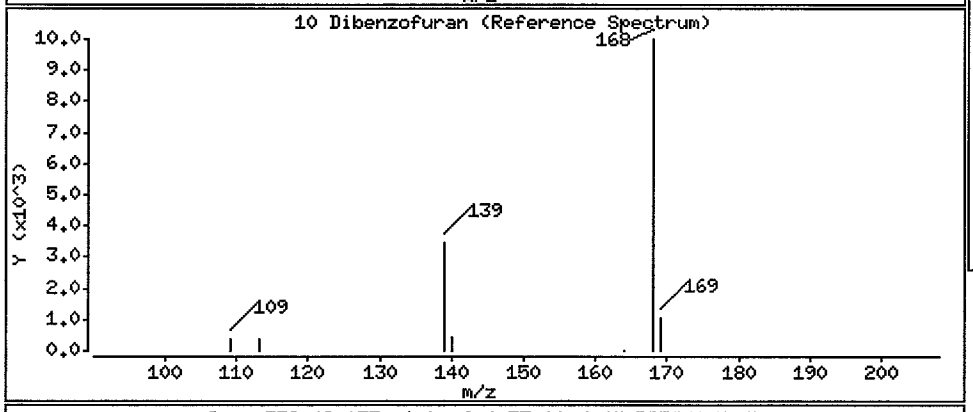
Column diameter: 0.25

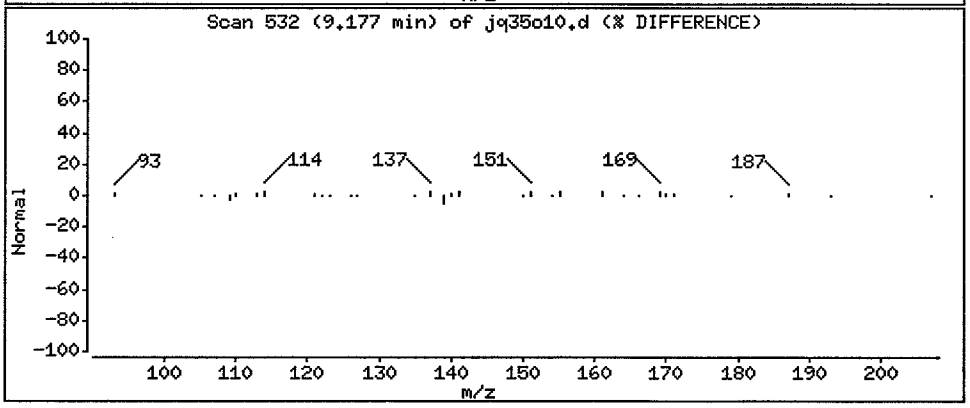
10 Dibenzofuran

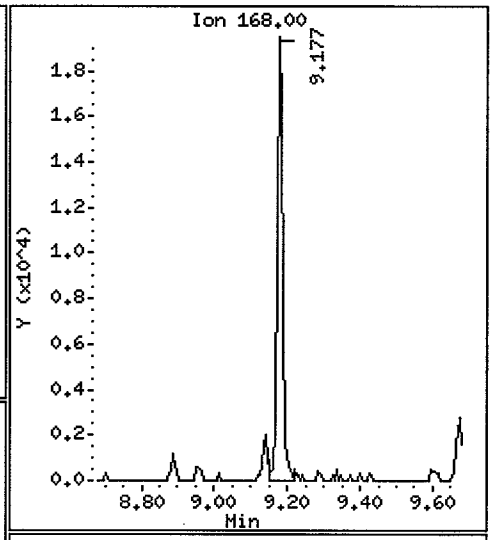
Concentration: 94.37 ug/kg

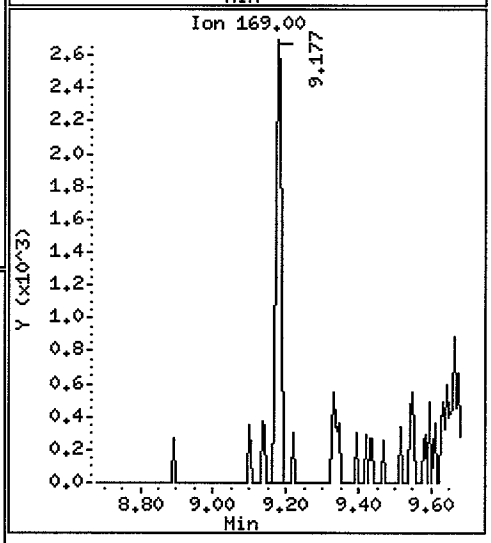












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ35O,10

Volume Injected (uL): 1.0

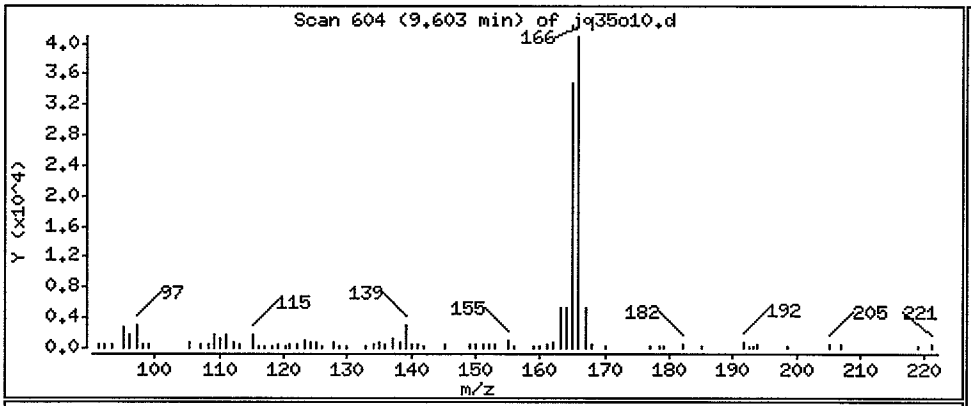
Operator: VTS

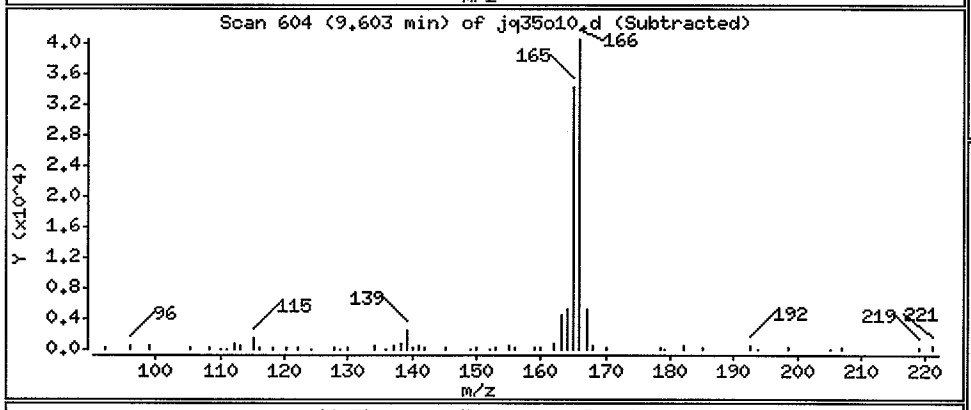
Column phase: ZB-5

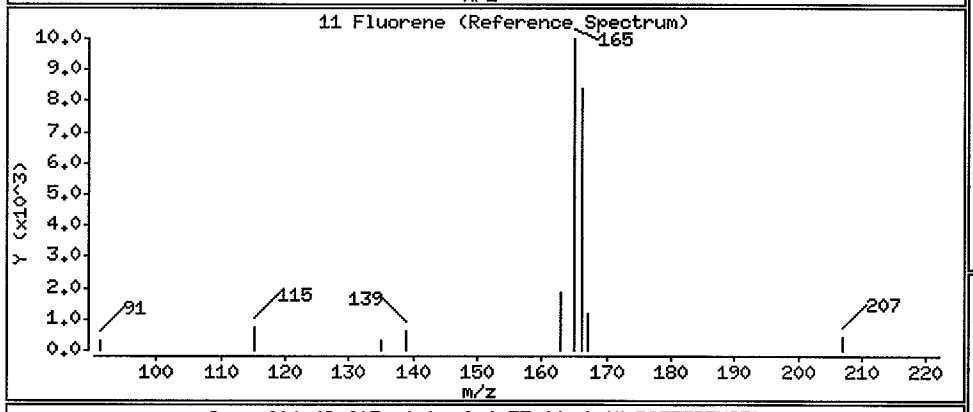
Column diameter: 0.25

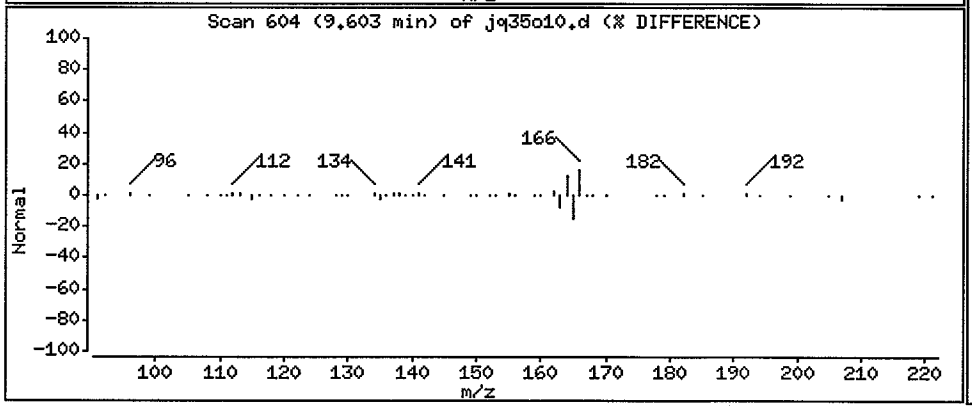
11 Fluorene

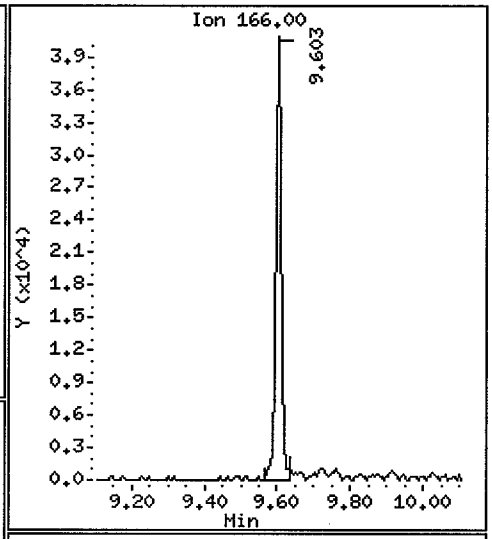
Concentration: 254.6 ug/kg

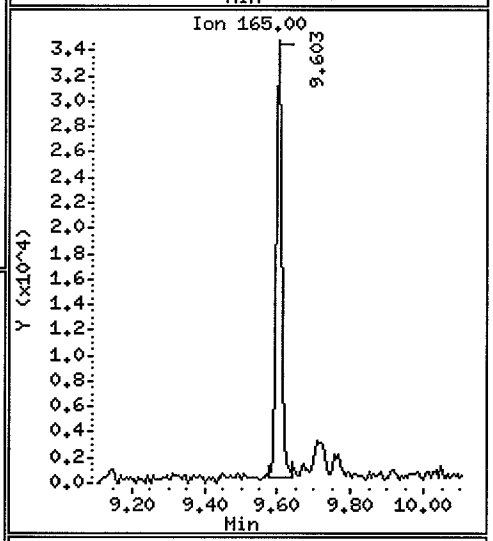


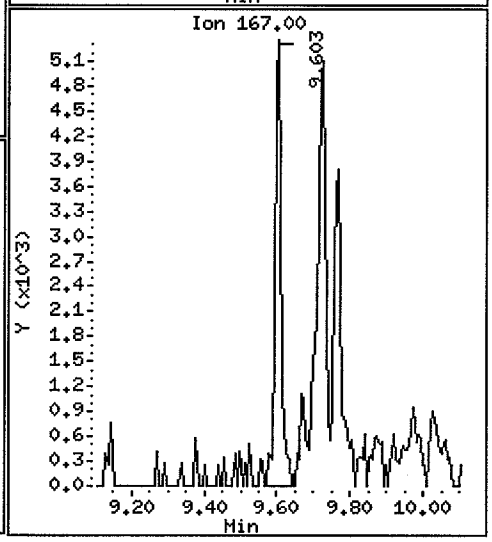












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ35O,10

Volume Injected (uL): 1.0

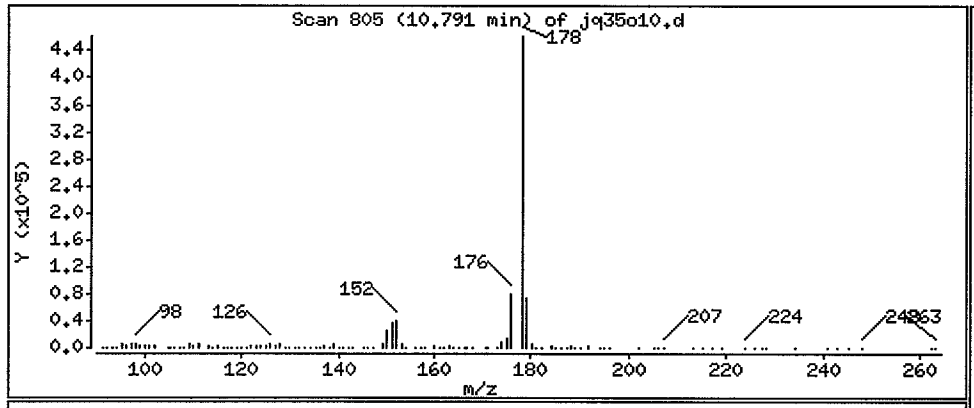
Operator: VTS

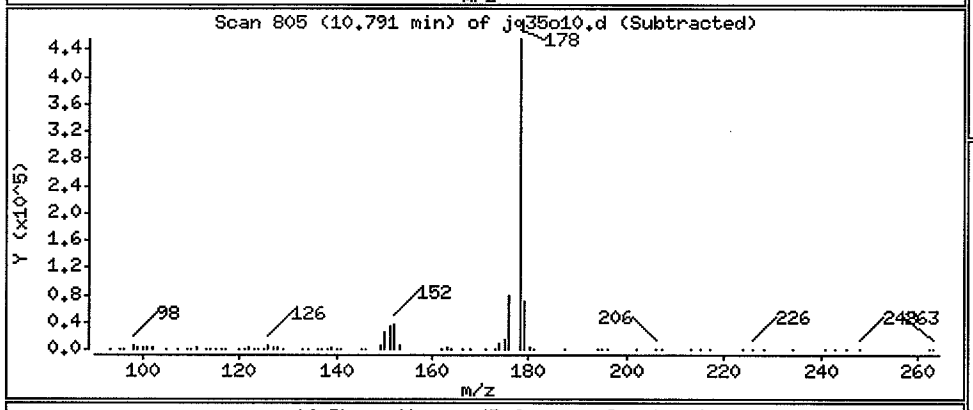
Column phase: ZB-5

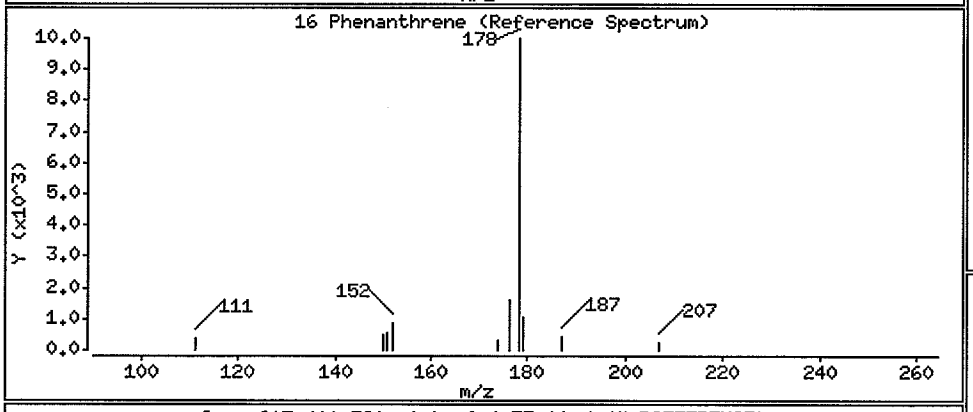
Column diameter: 0.25

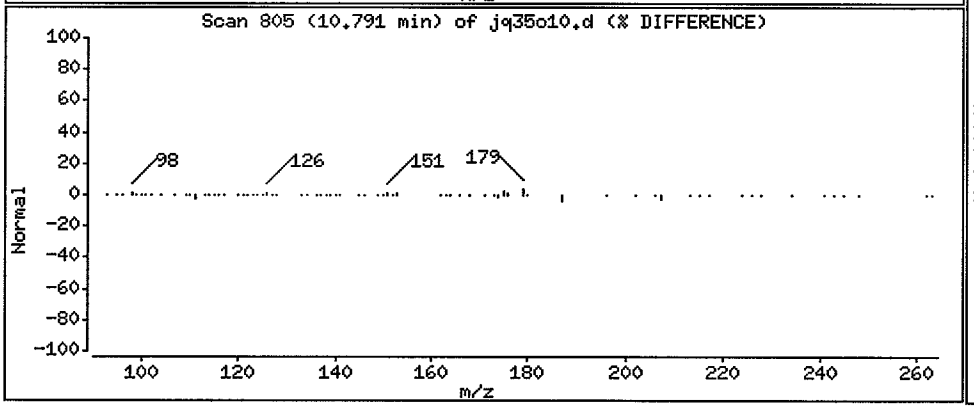
16 Phenanthrene

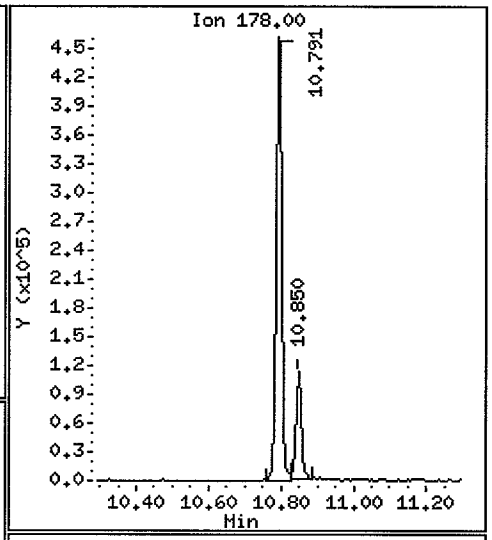
Concentration: 2107 ug/kg

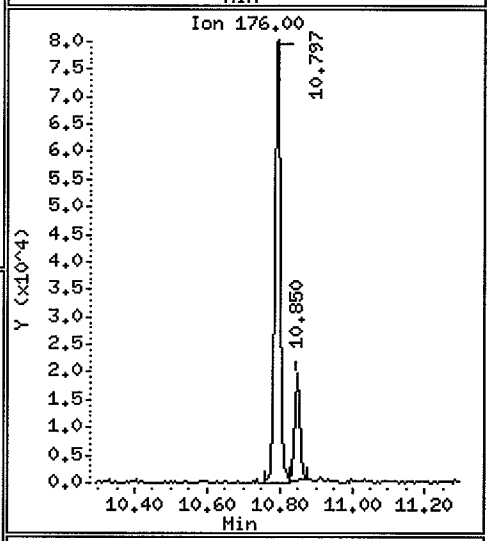


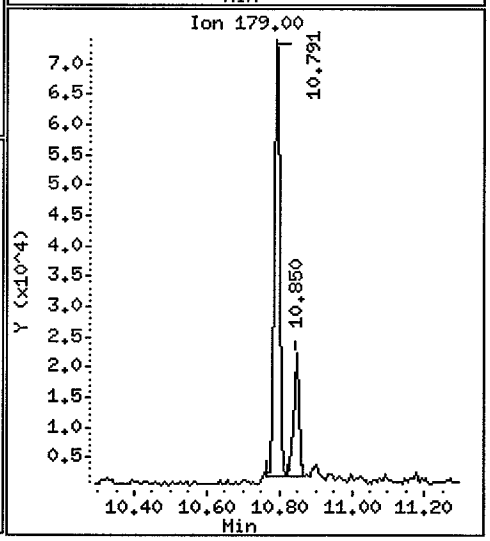












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ35O,10

Volume Injected (uL): 1.0

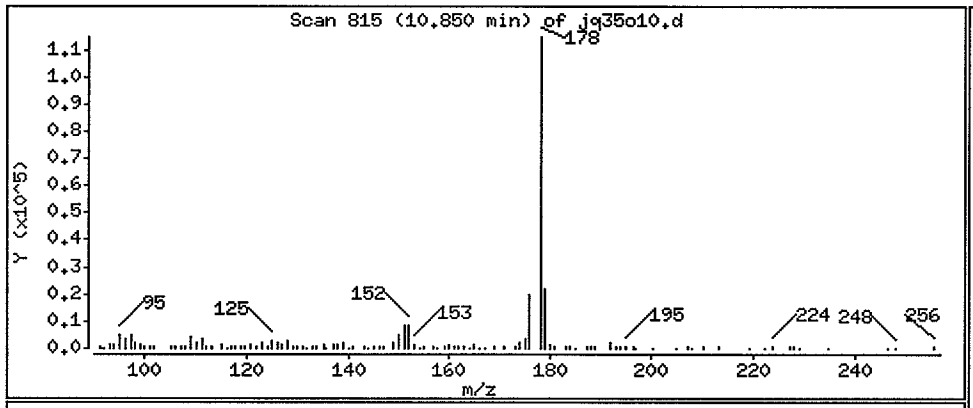
Operator: VTS

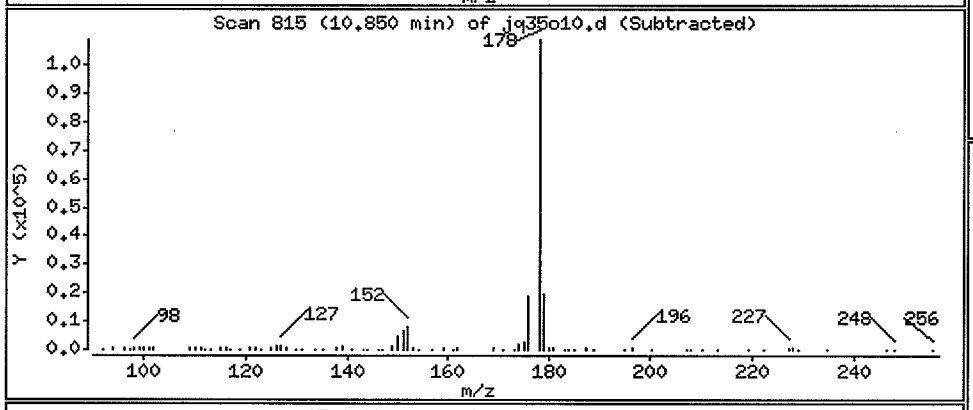
Column phase: ZB-5

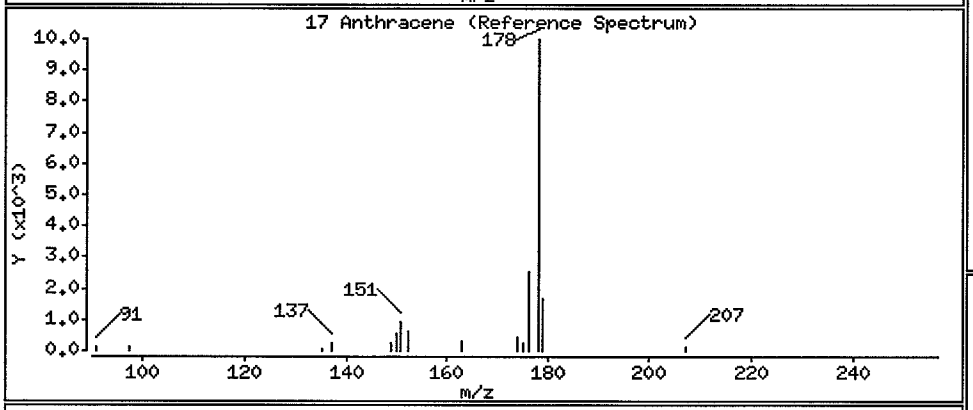
Column diameter: 0.25

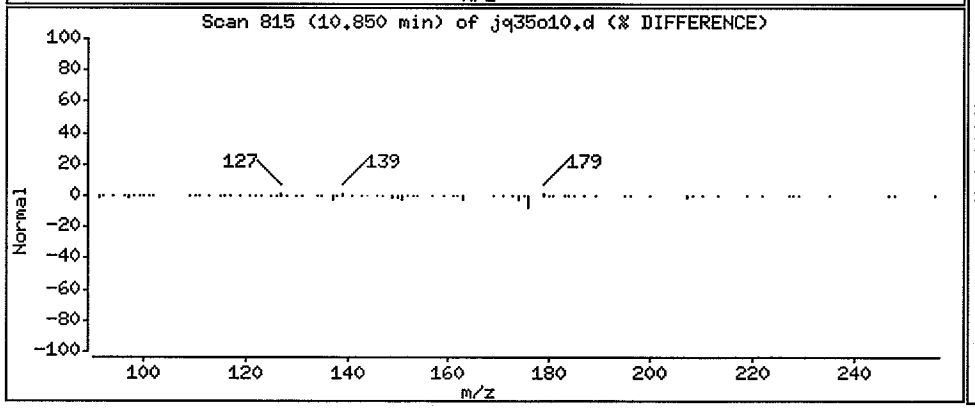
17 Anthracene

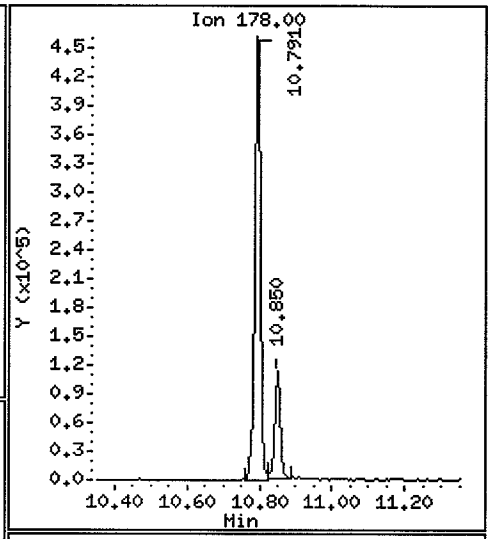
Concentration: 491.4 ug/kg

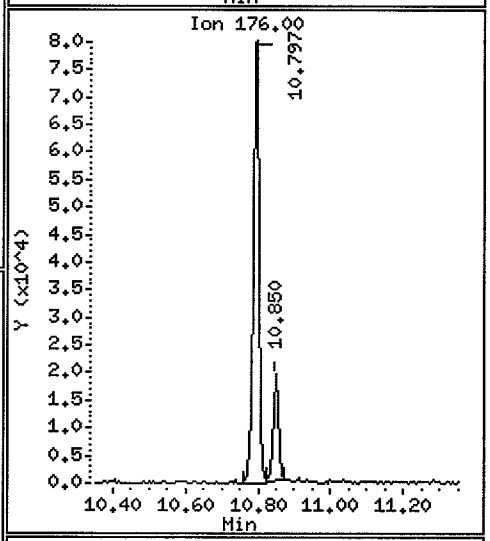


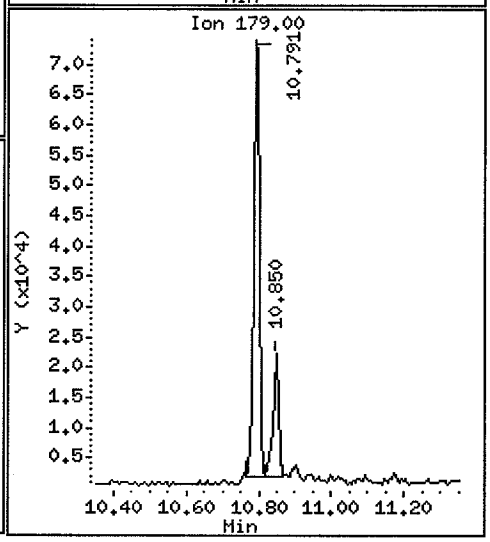












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ350,10

Volume Injected (uL): 1.0

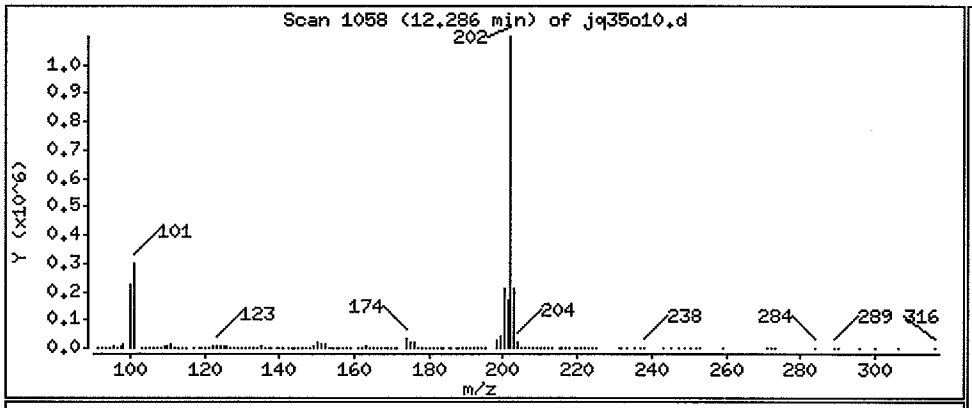
Operator: VTS

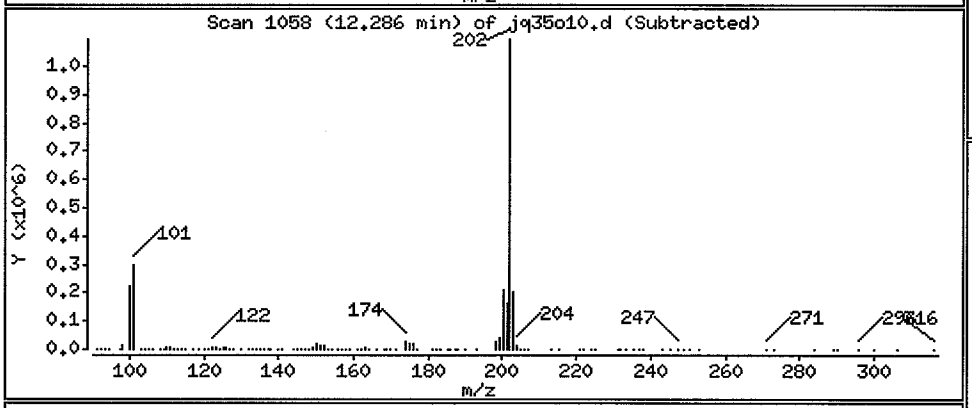
Column phase: ZB-5

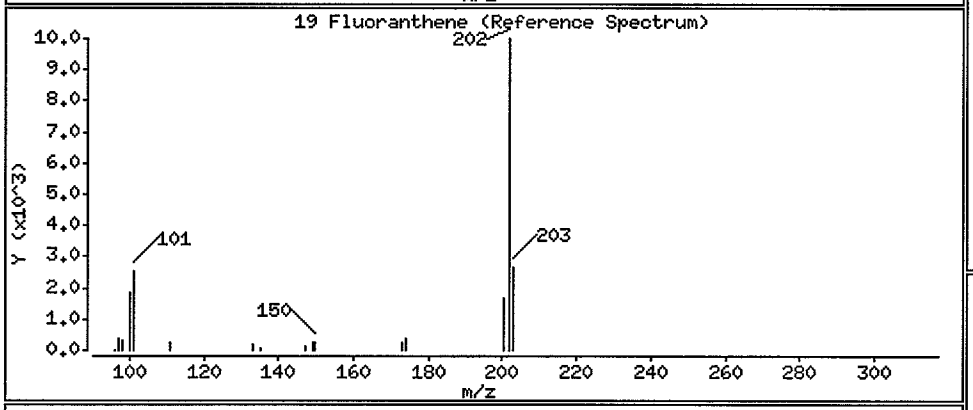
Column diameter: 0.25

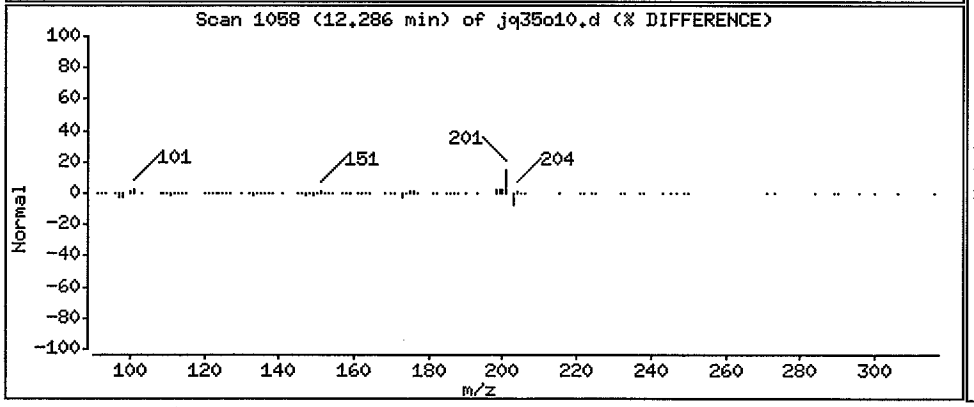
19 Fluoranthene

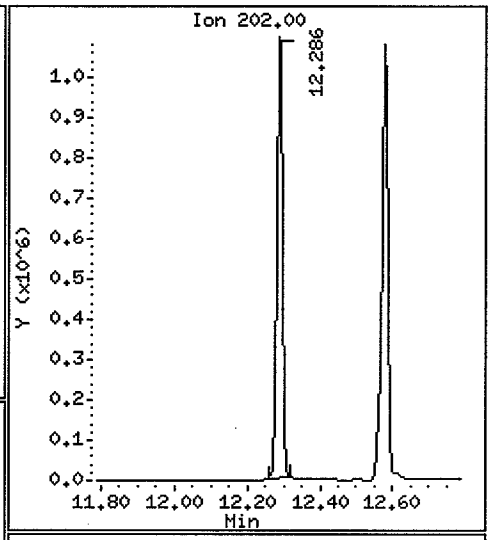
Concentration: 4866 ug/kg

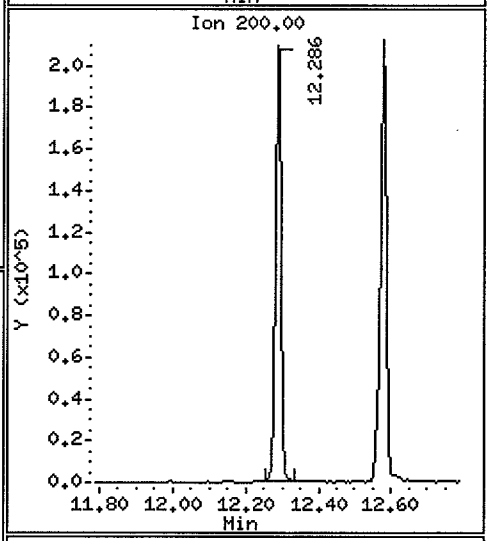


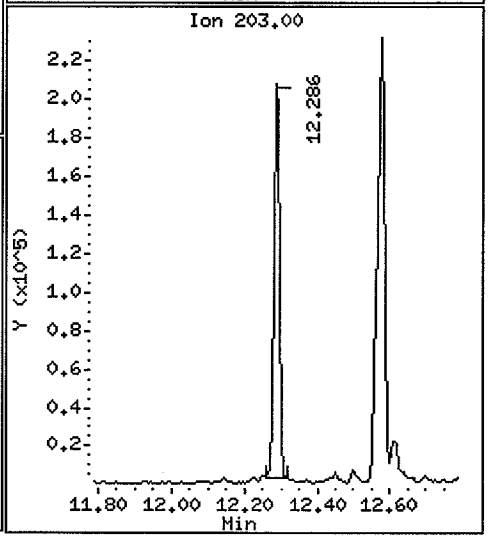












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ35O,10

Volume Injected (uL): 1.0

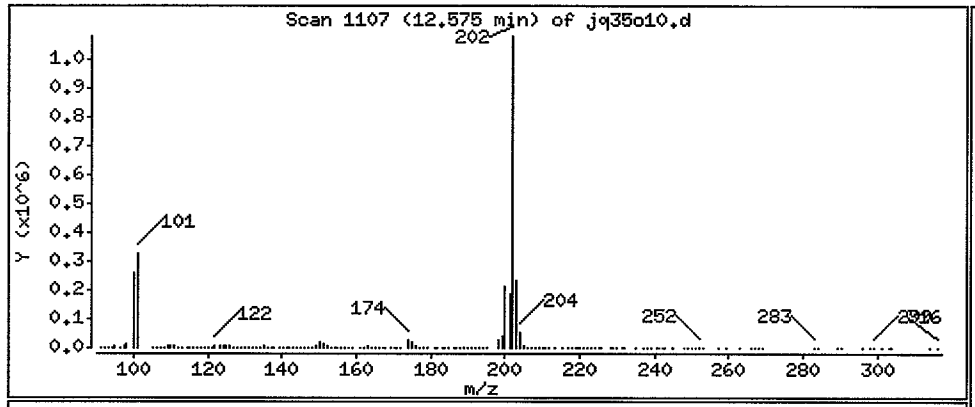
Operator: VTS

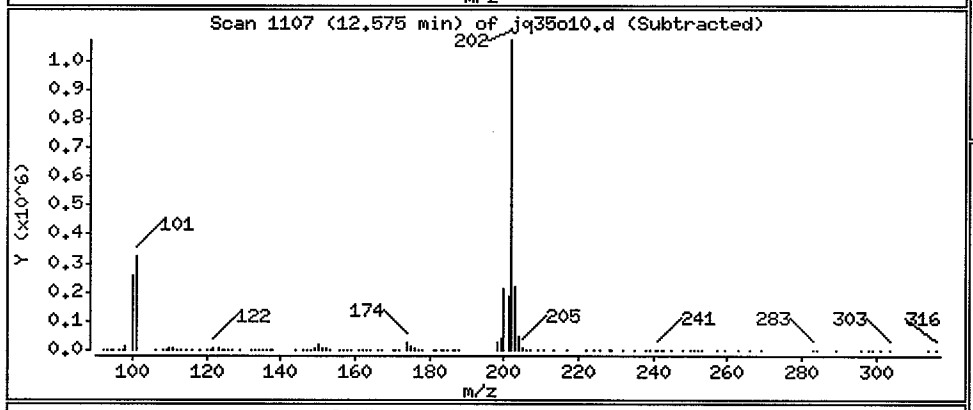
Column phase: ZB-5

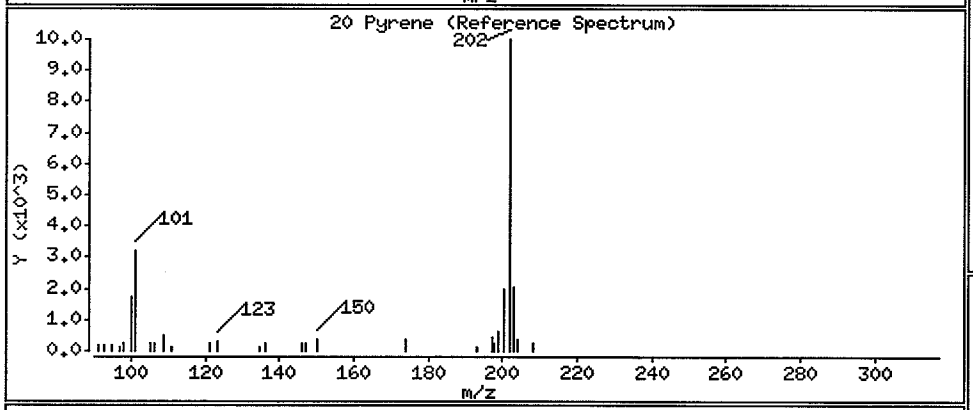
Column diameter: 0.25

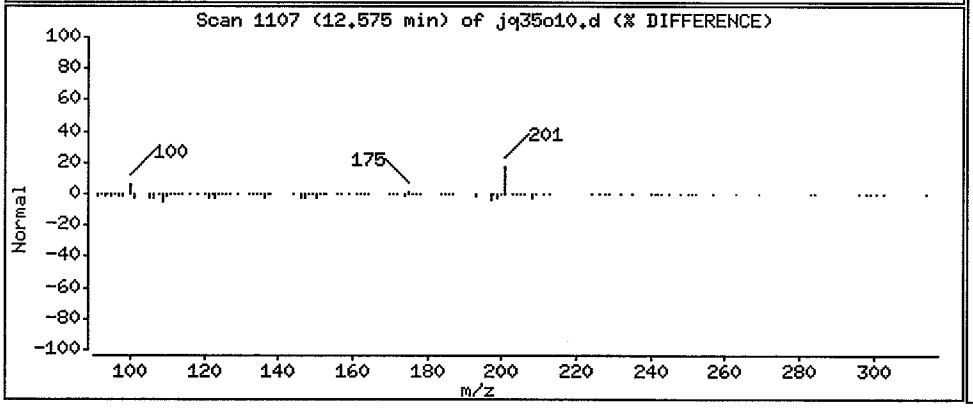
20 Pyrene

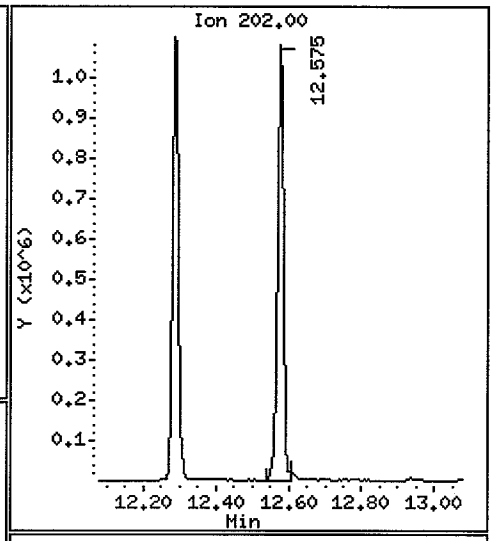
Concentration: 4490 ug/kg

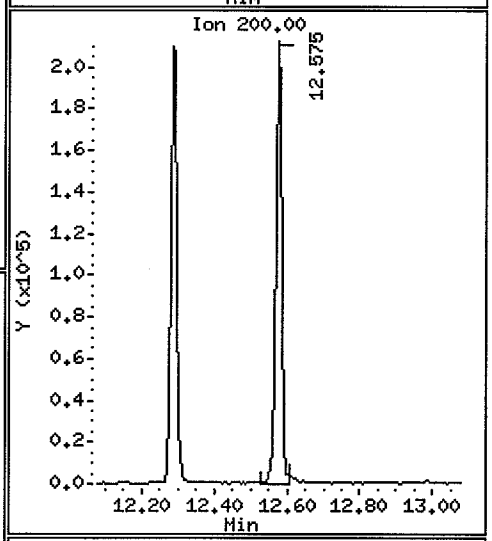


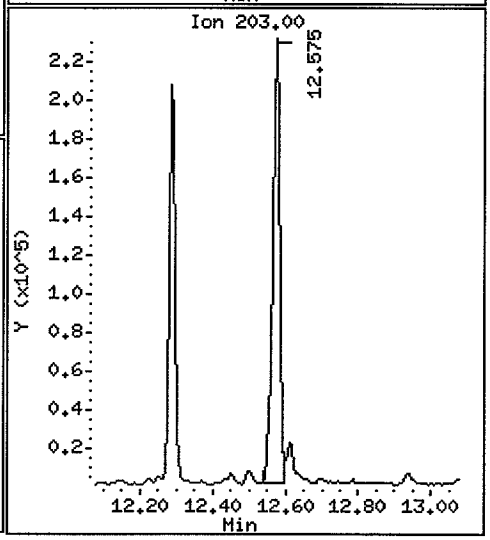












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ35O,10

Volume Injected (uL): 1.0

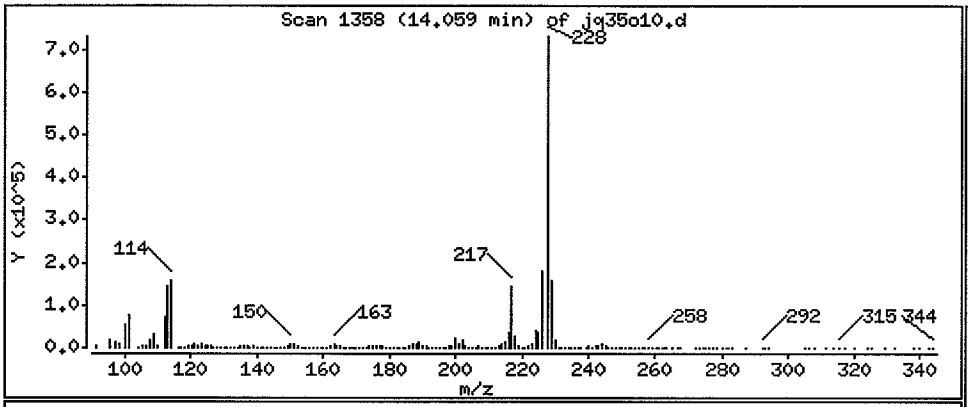
Operator: VTS

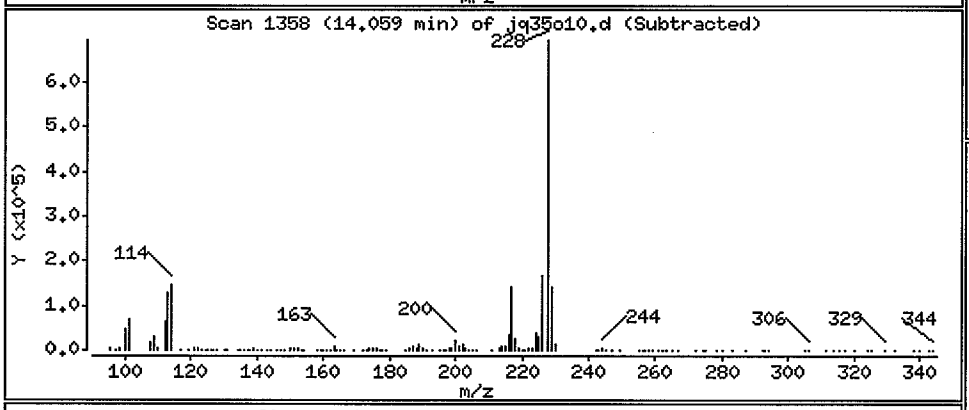
Column phase: ZB-5

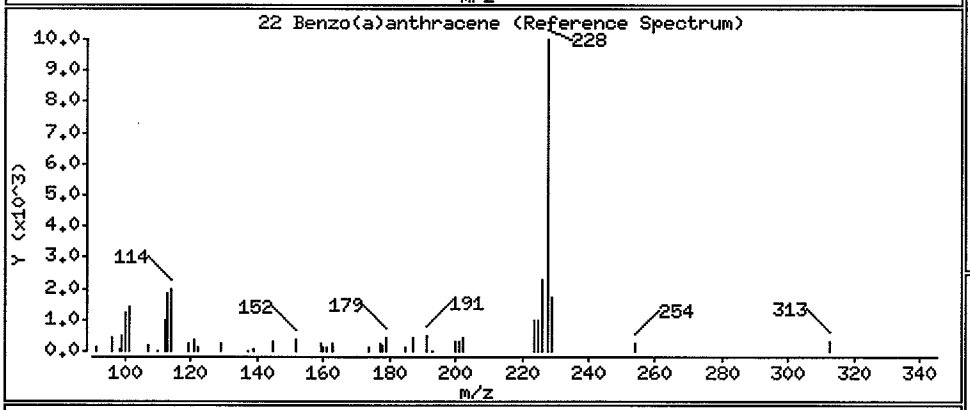
Column diameter: 0.25

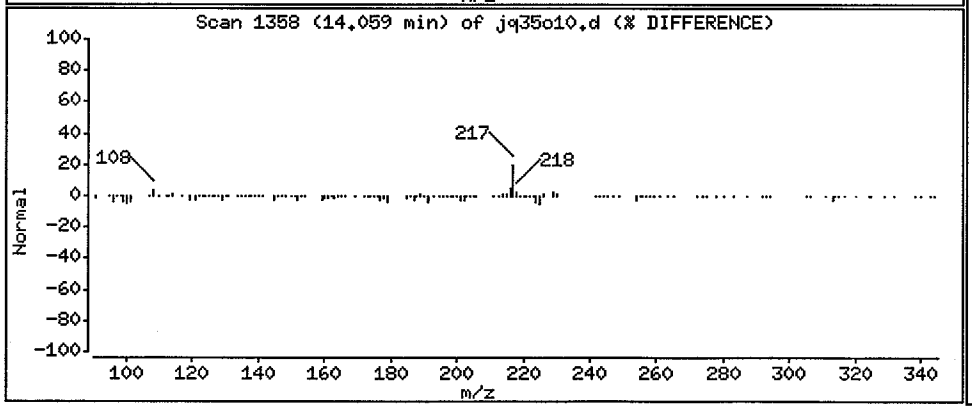
22 Benzo(a)anthracene

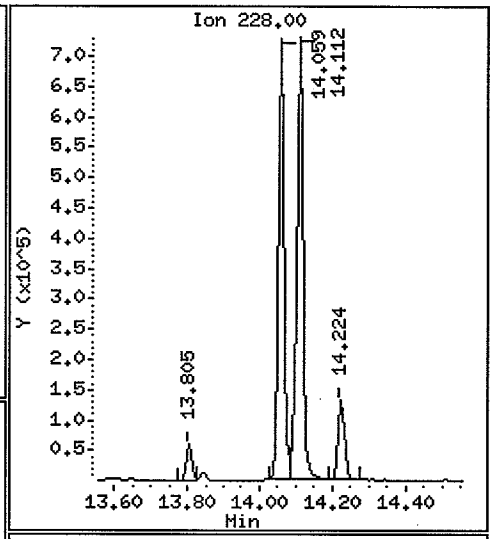
Concentration: 3130 ug/kg

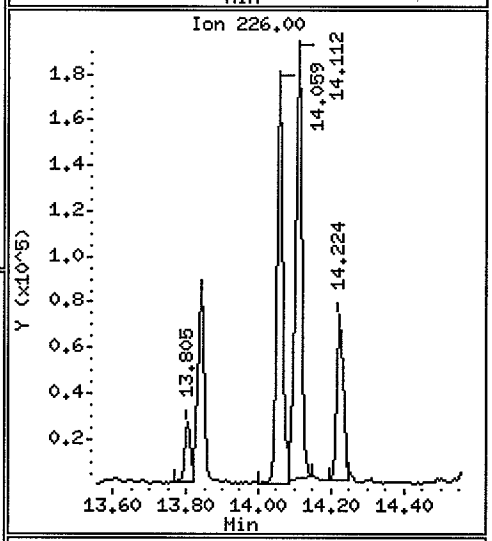


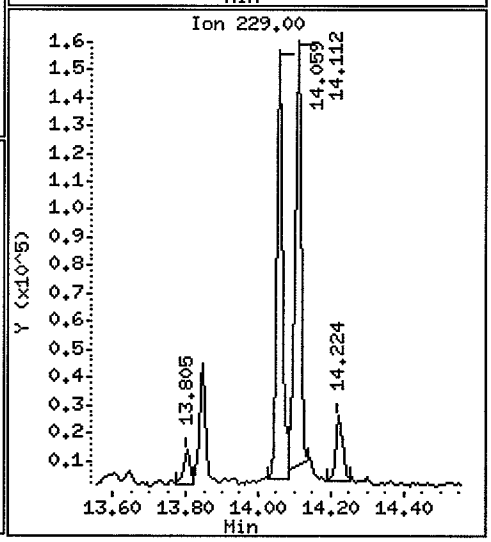












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ35O,10

Volume Injected (uL): 1.0

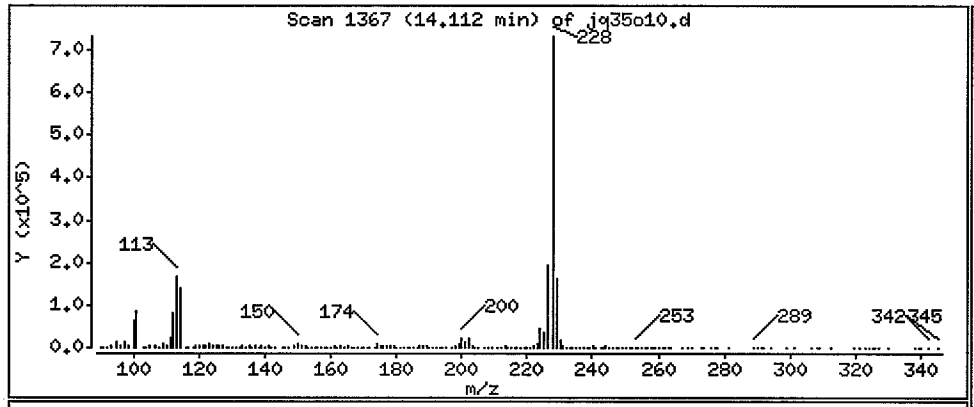
Operator: VTS

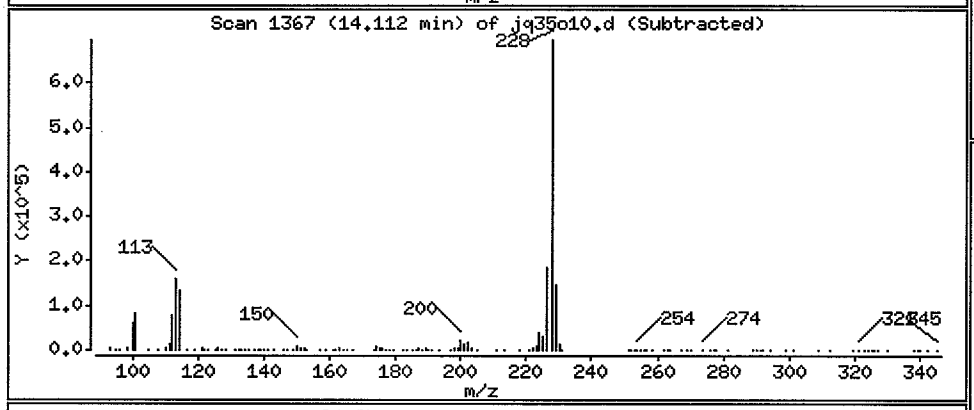
Column phase: ZB-5

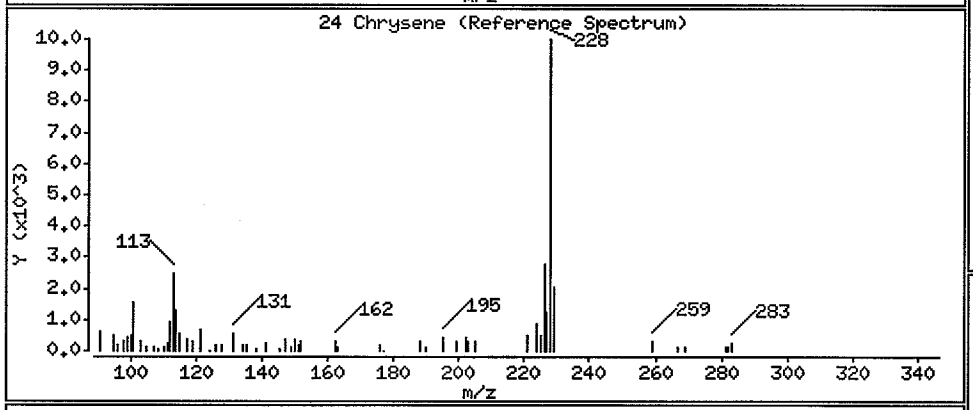
Column diameter: 0.25

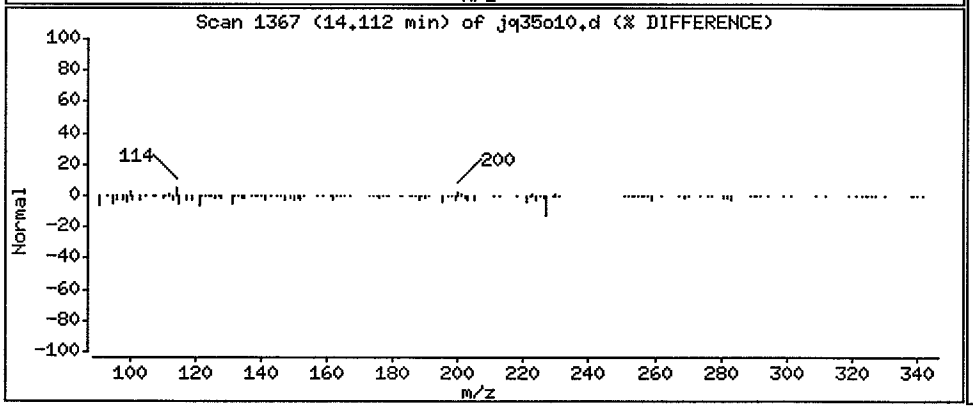
24 Chrysene

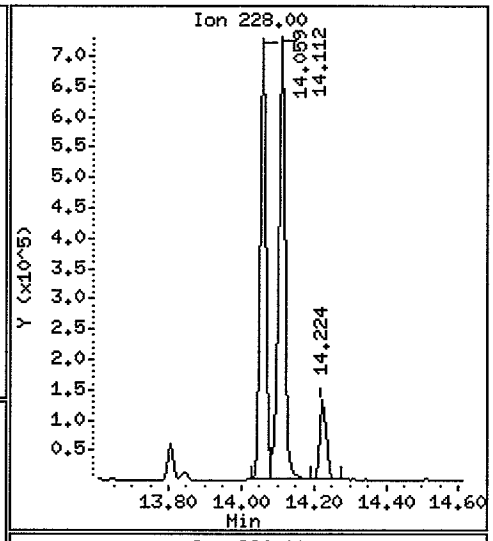
Concentration: 3812 ug/kg

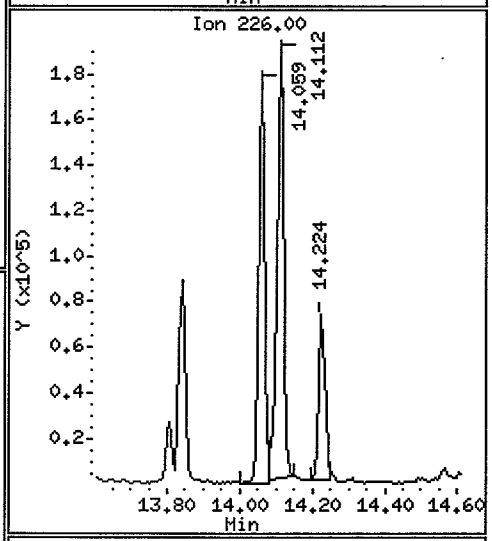


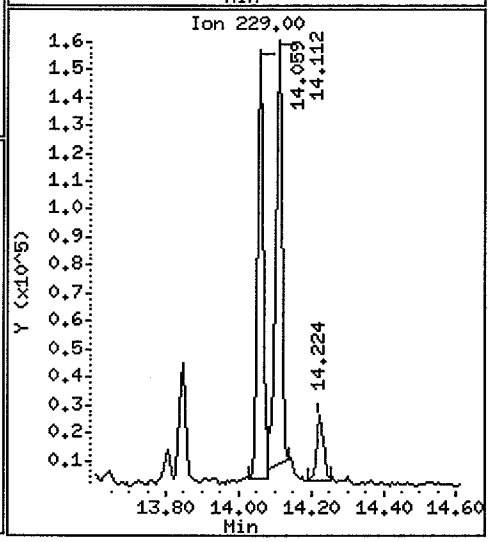












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ350,10

Volume Injected (uL): 1.0

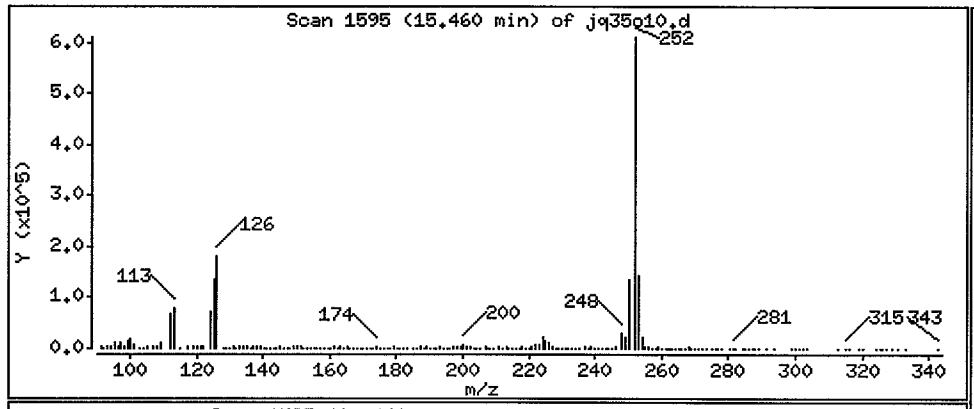
Operator: VTS

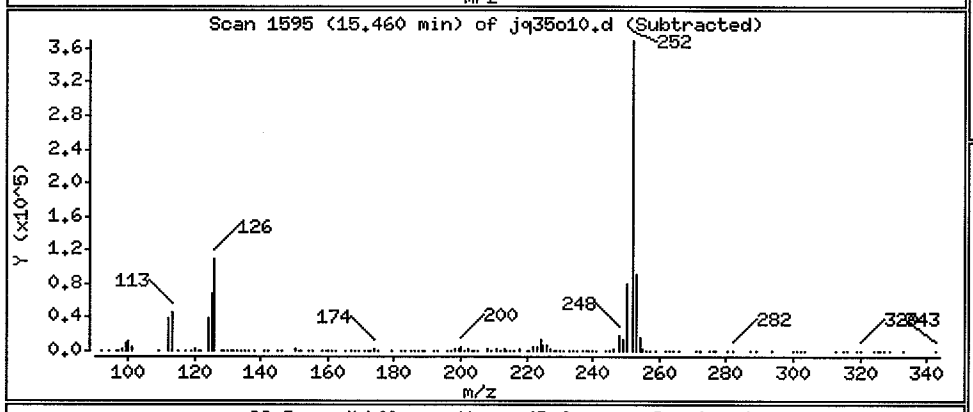
Column phase: ZB-5

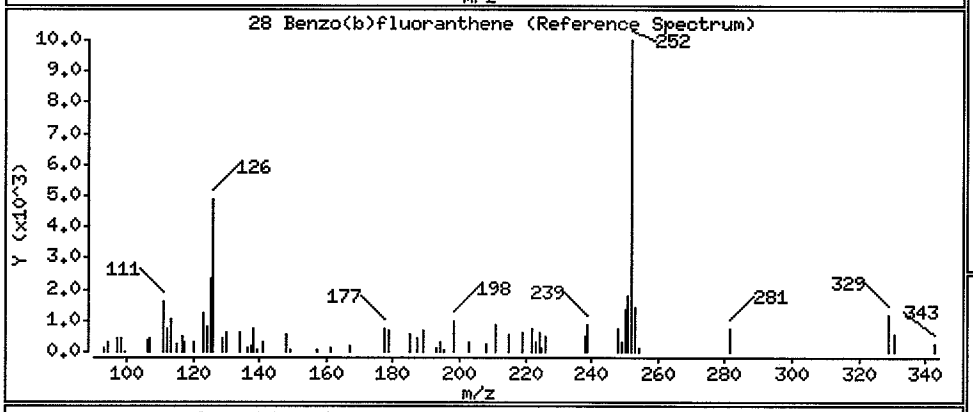
Column diameter: 0.25

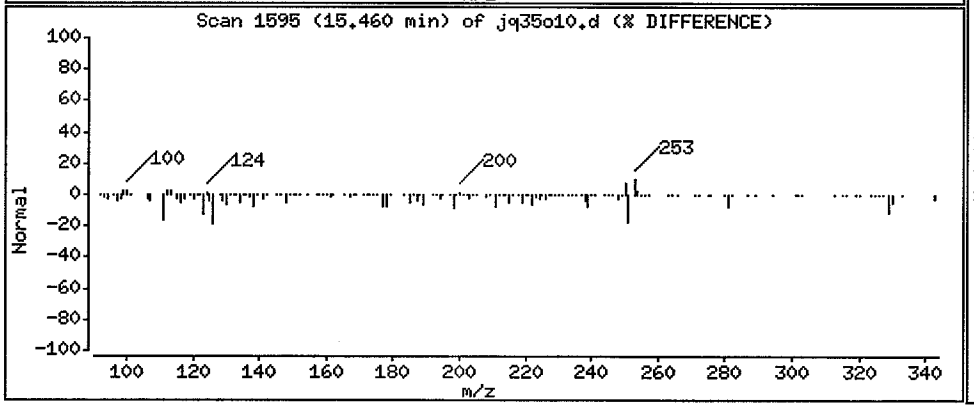
28 Benzo(b)fluoranthene

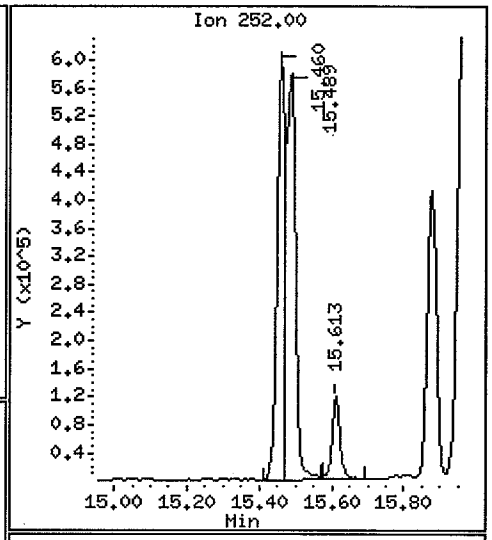
Concentration: 3950 ug/kg

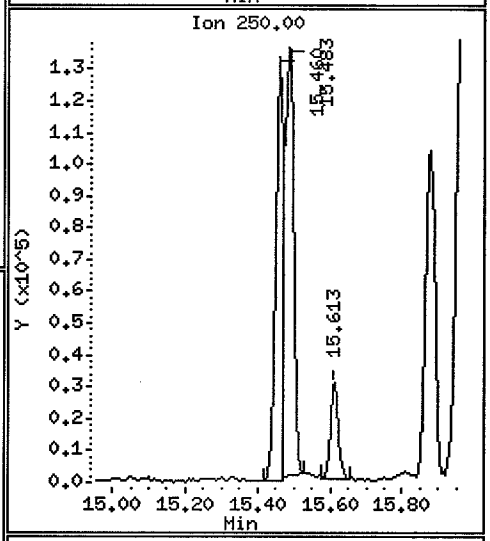


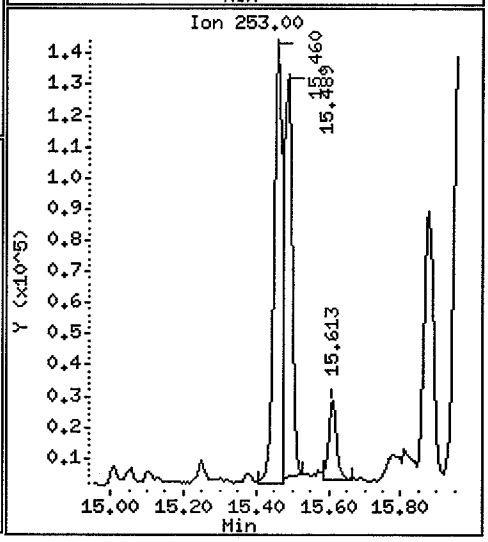












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ35O,10

Volume Injected (uL): 1.0

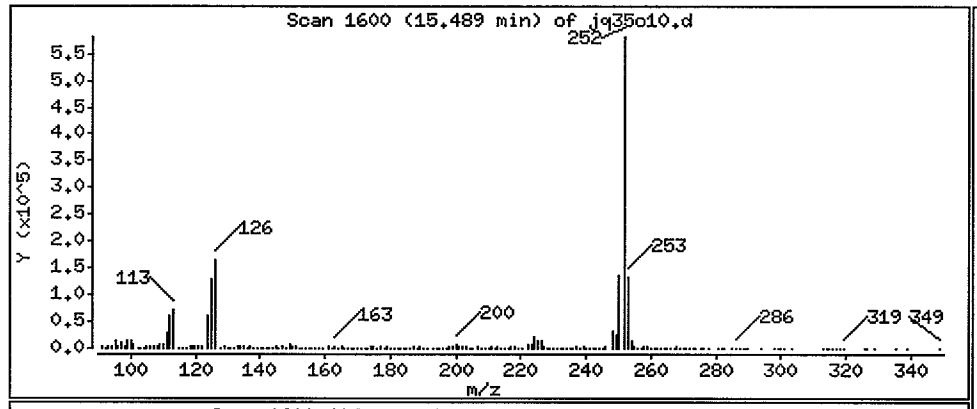
Operator: VTS

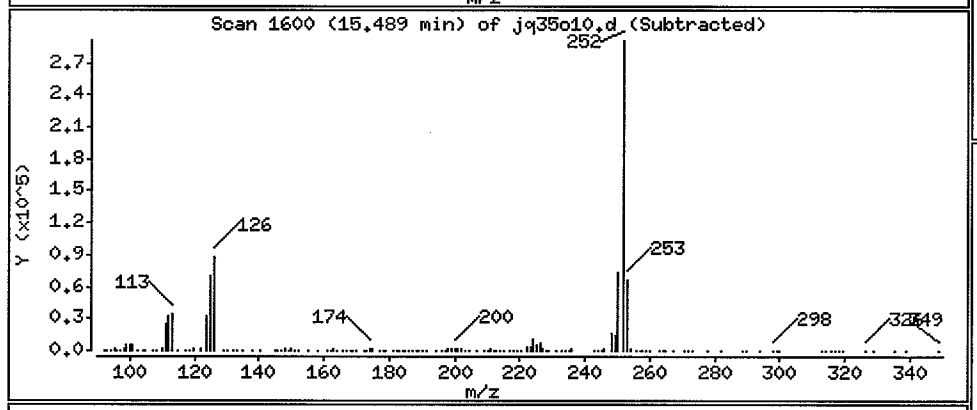
Column phase: ZB-5

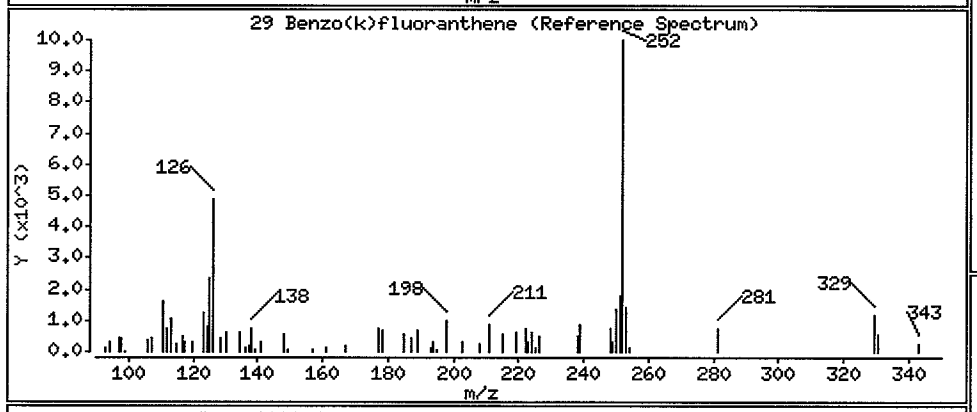
Column diameter: 0.25

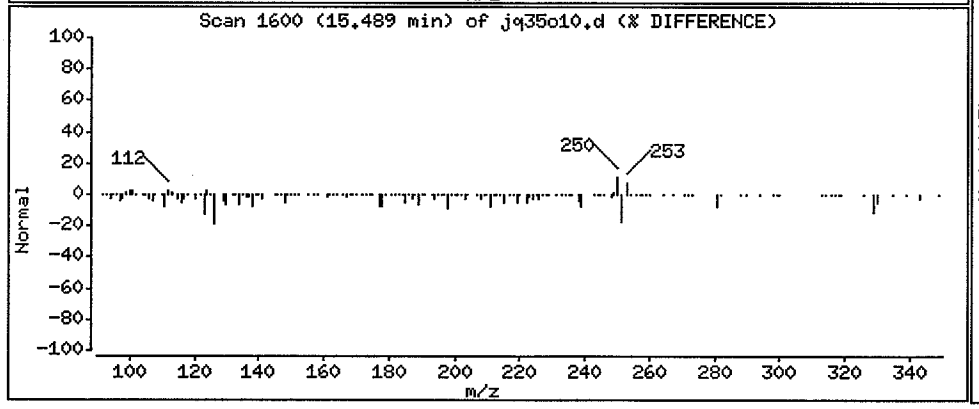
29 Benzo(k)fluoranthene

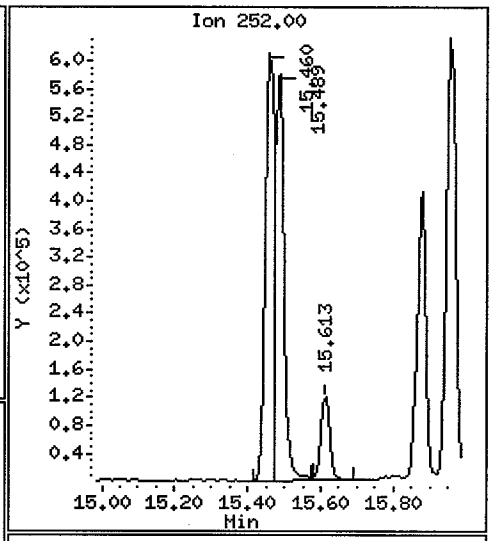
Concentration: 4130 ug/kg

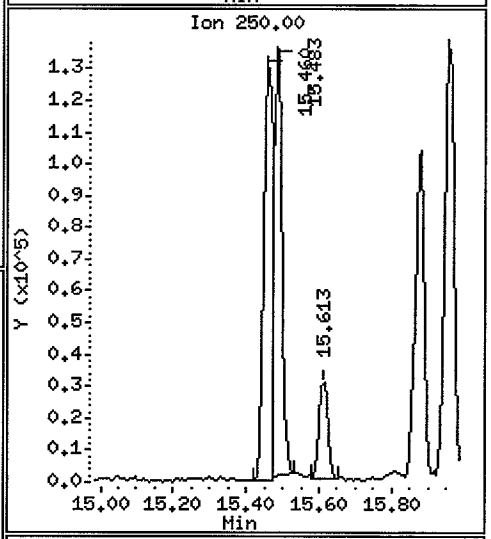


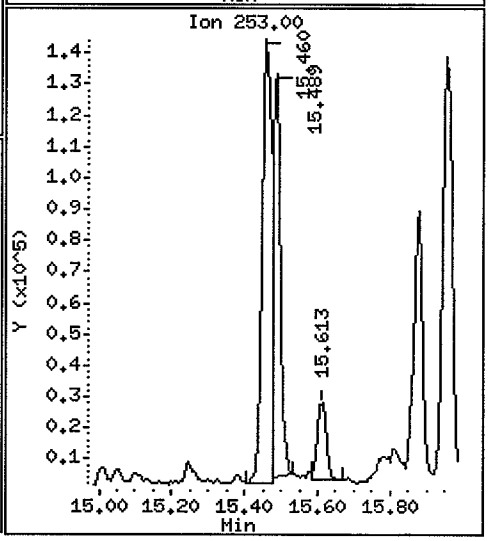












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ35O,10

Volume Injected (uL): 1.0

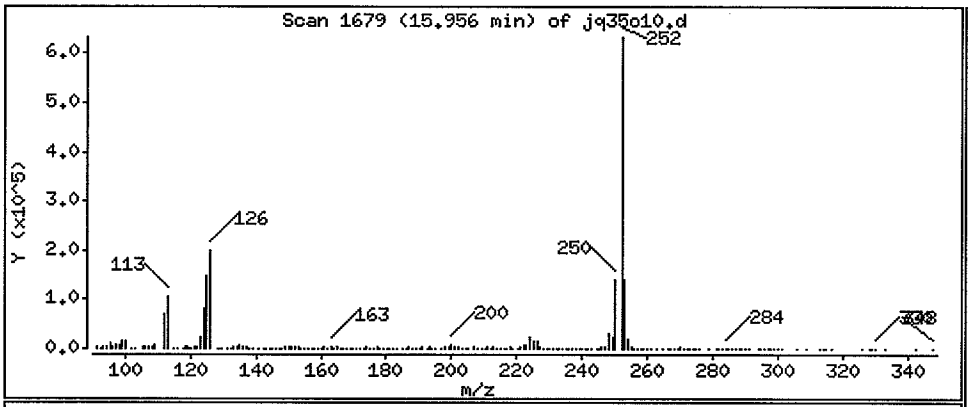
Operator: VTS

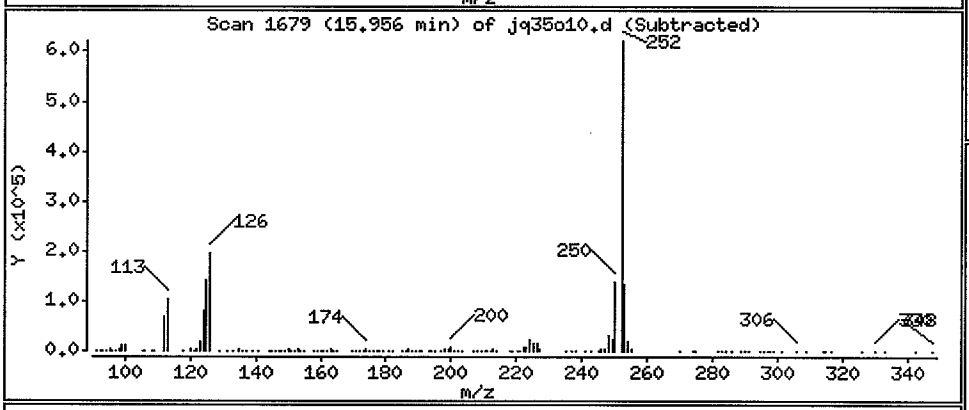
Column phase: ZB-5

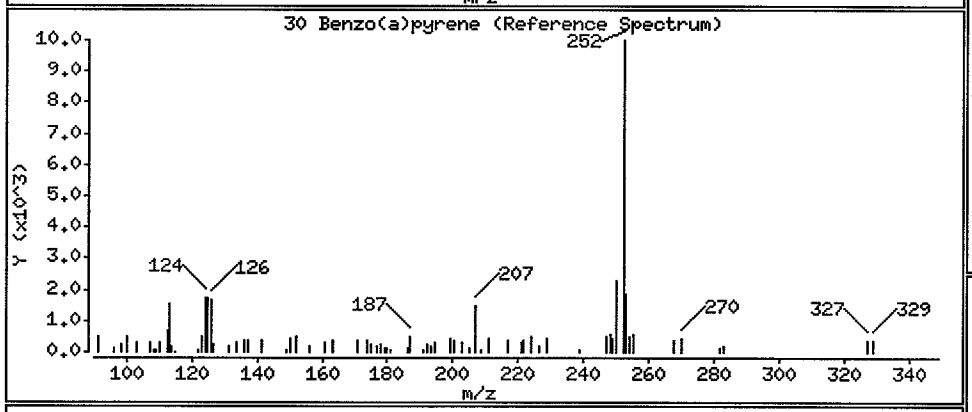
Column diameter: 0.25

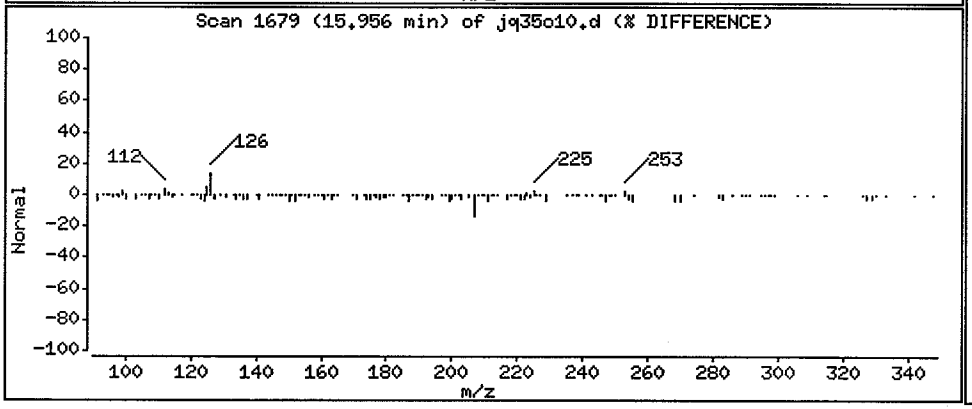
30 Benzo(a)pyrene

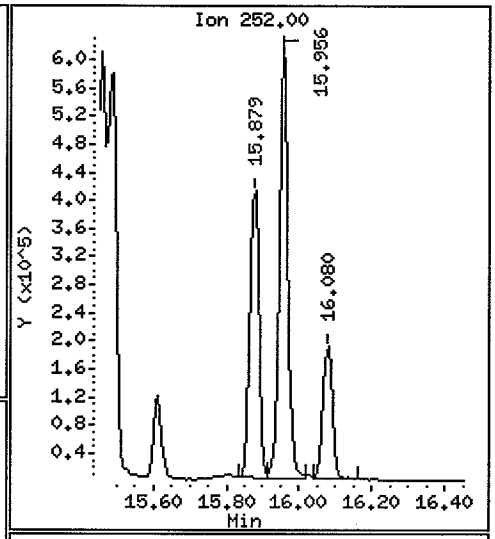
Concentration: 4429 ug/kg

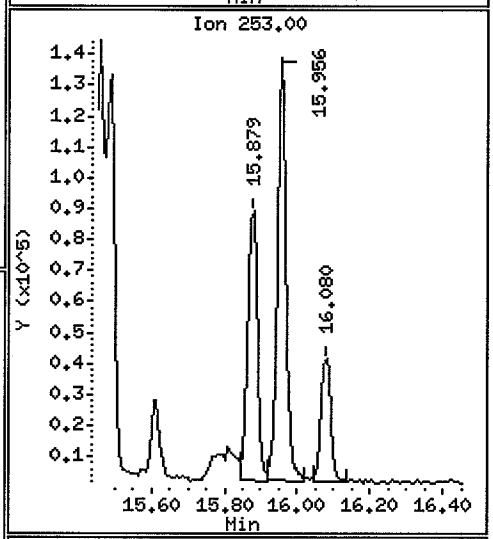


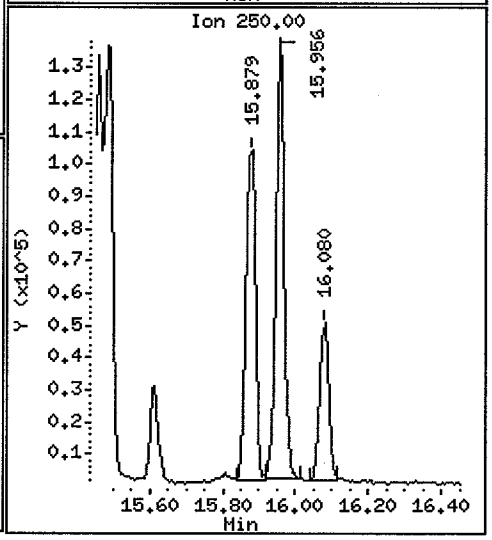












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ350,10

Volume Injected (uL): 1.0

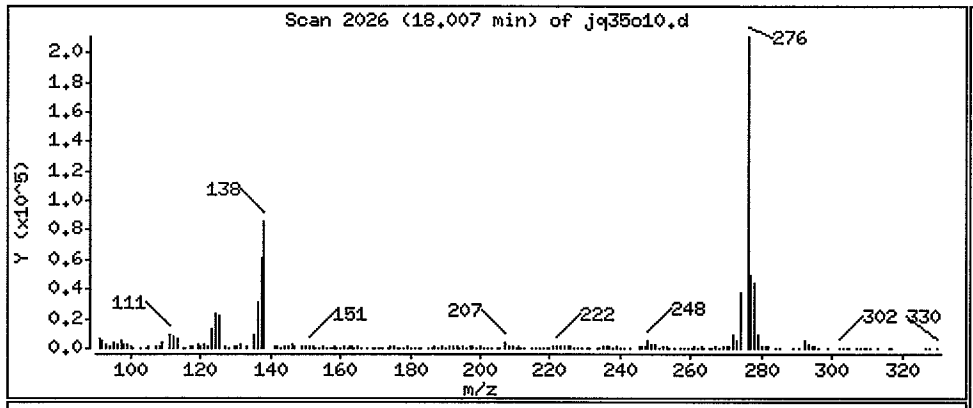
Operator: VTS

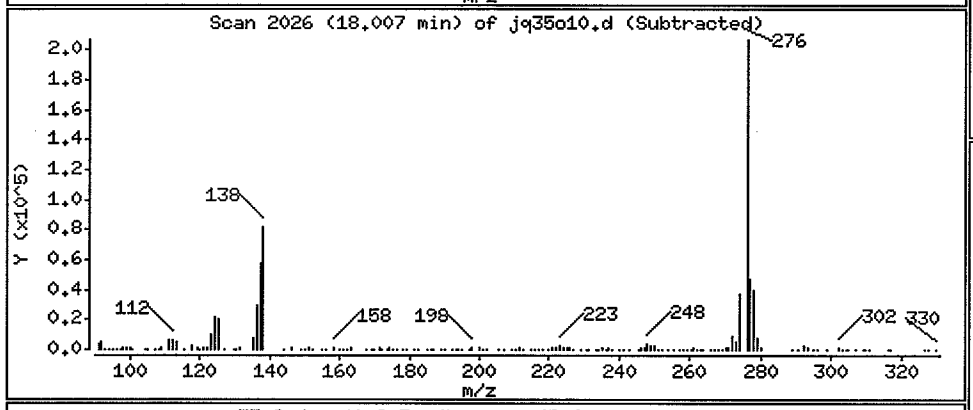
Column phase: ZB-5

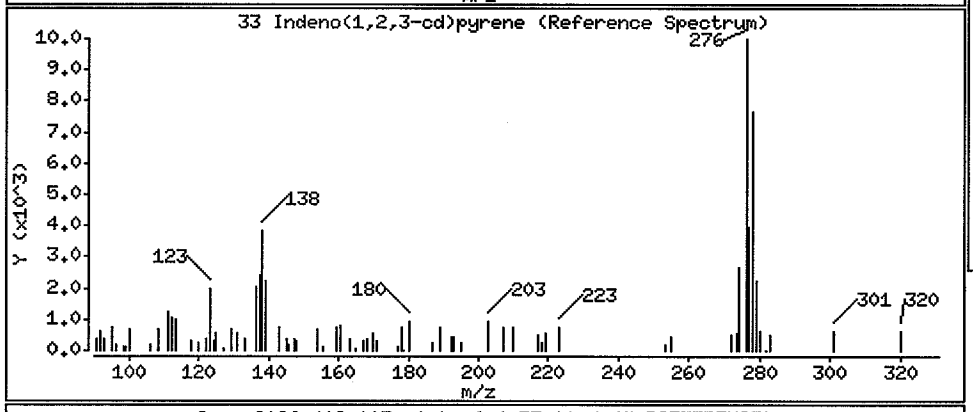
Column diameter: 0.25

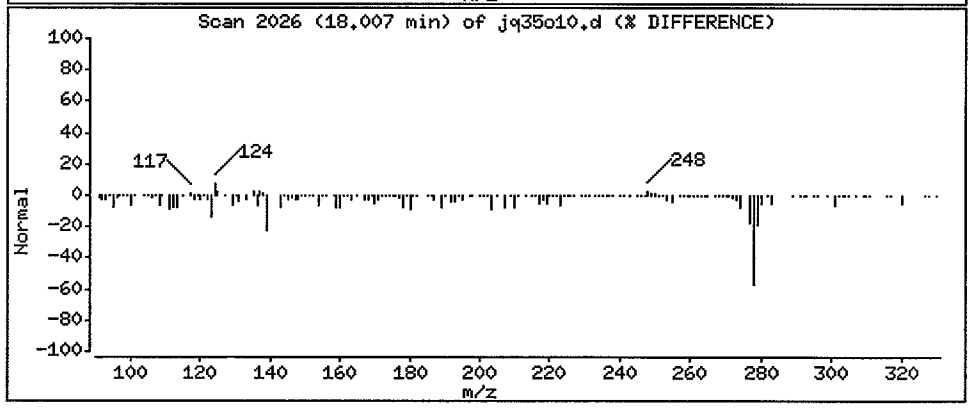
33 Indeno(1,2,3-cd)pyrene

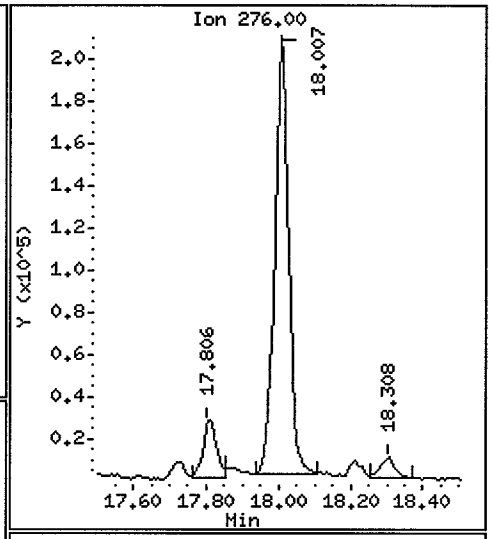
Concentration: 1997 ug/kg

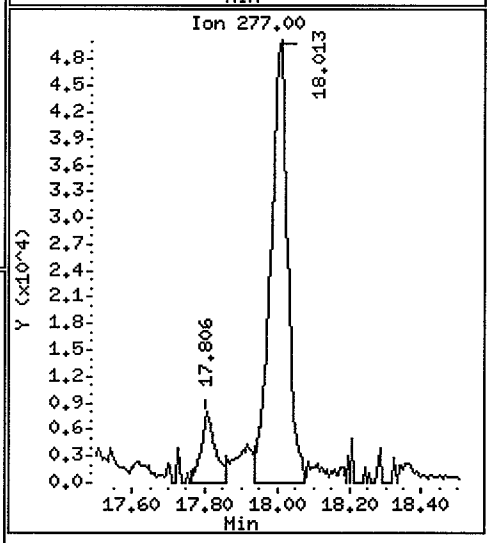












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ350,10

Volume Injected (uL): 1.0

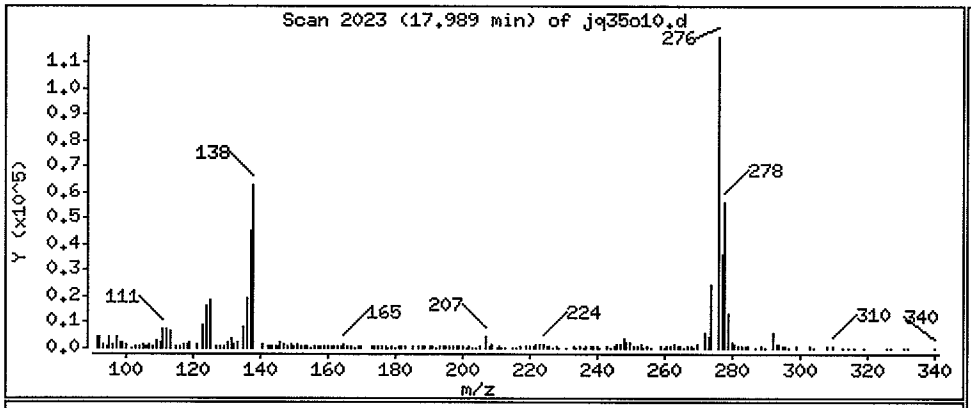
Operator: VTS

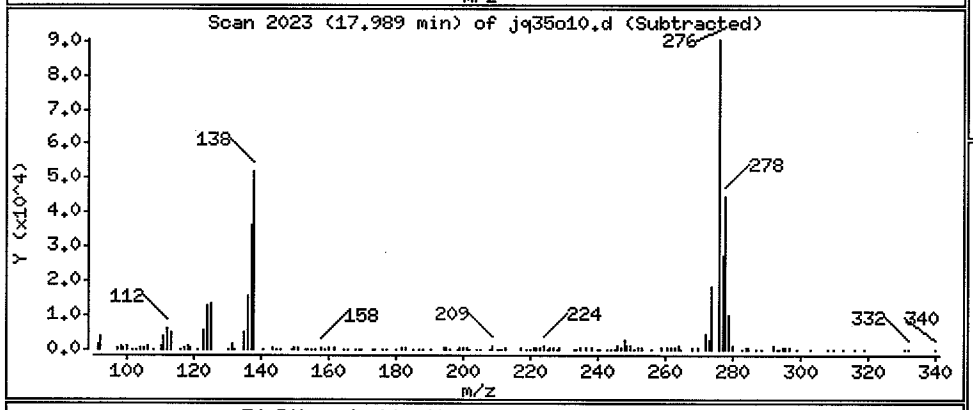
Column phase: ZB-5

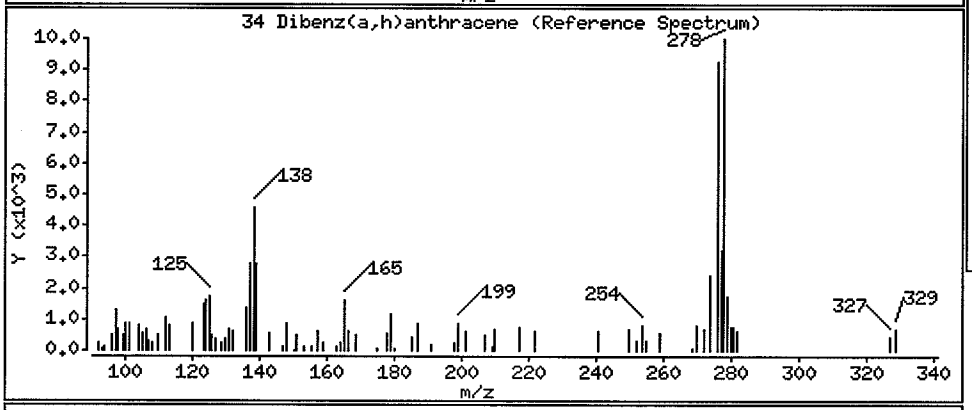
Column diameter: 0.25

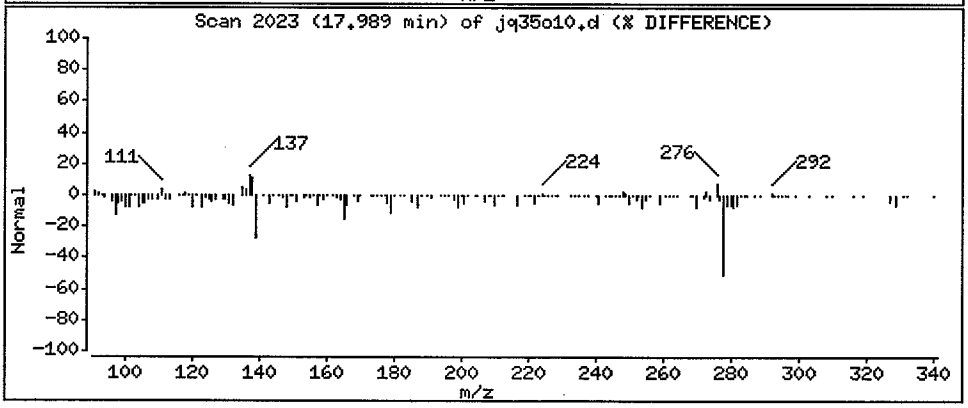
34 Dibenz(a,h)anthracene

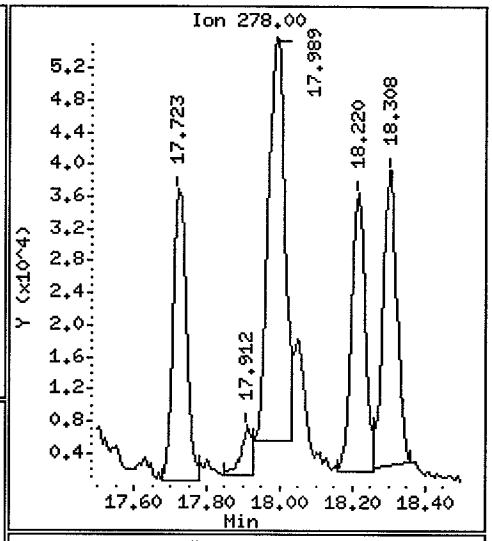
Concentration: 700.6 ug/kg

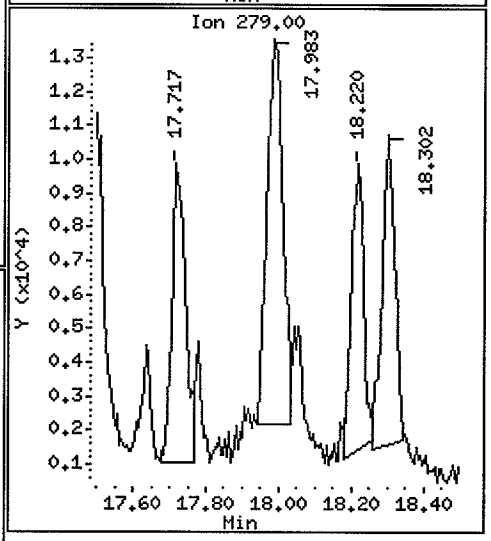












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ35O,10

Volume Injected (uL): 1.0

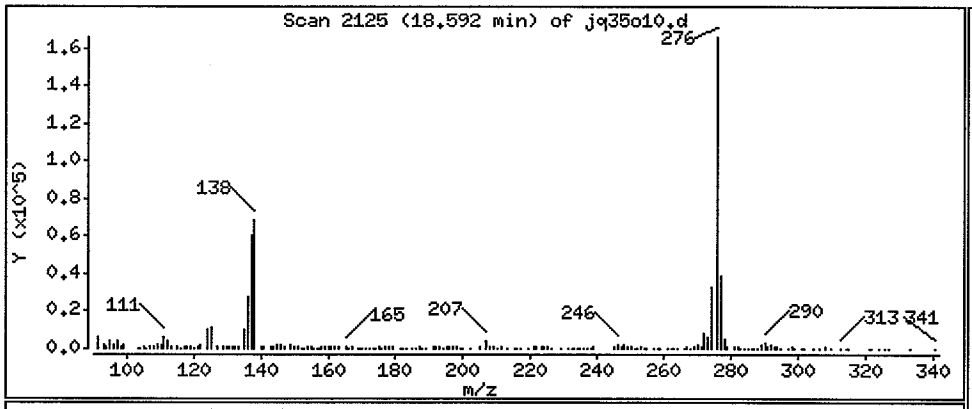
Operator: VTS

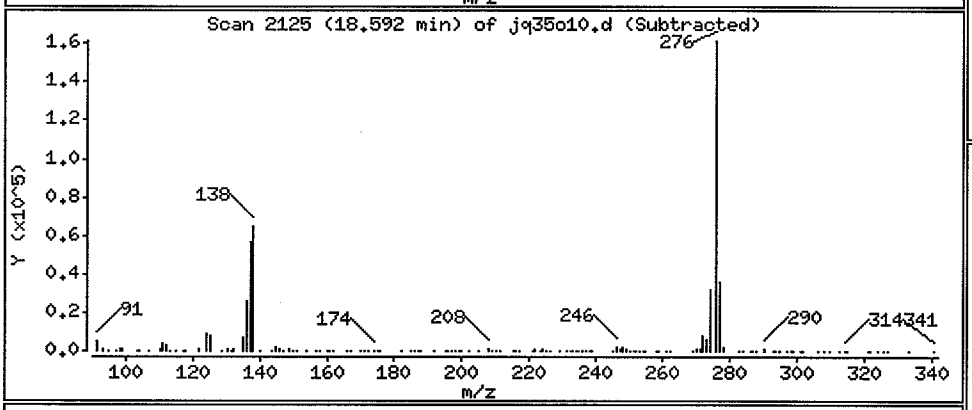
Column phase: ZB-5

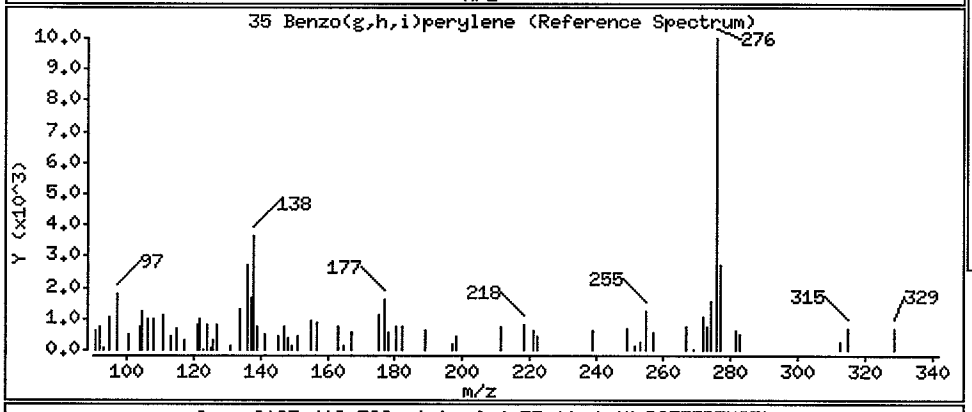
Column diameter: 0.25

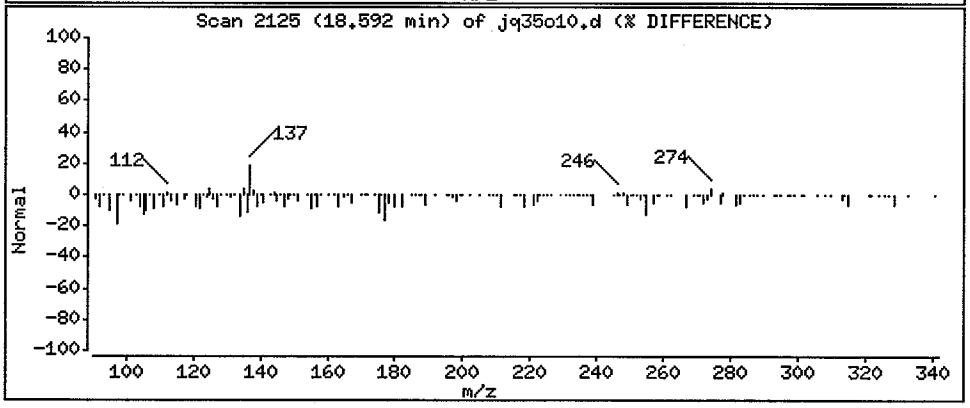
35 Benzo(g,h,i)perylene

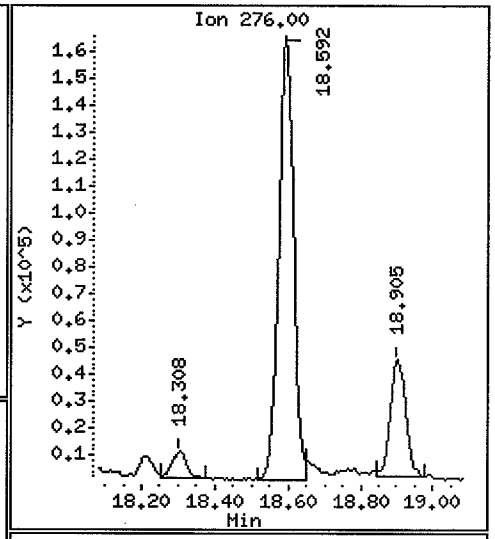
Concentration: 2016 ug/kg

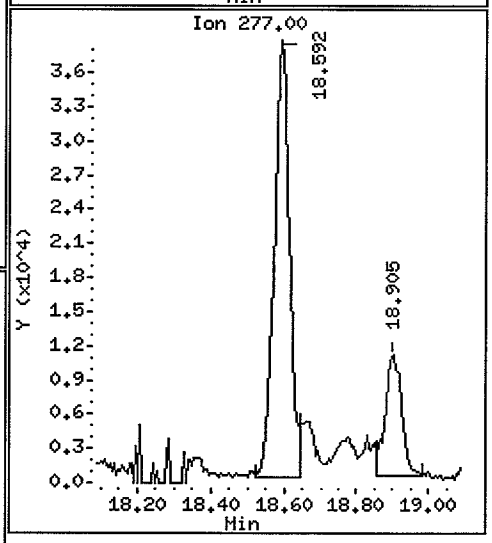












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ35O,10

Volume Injected (uL): 1.0

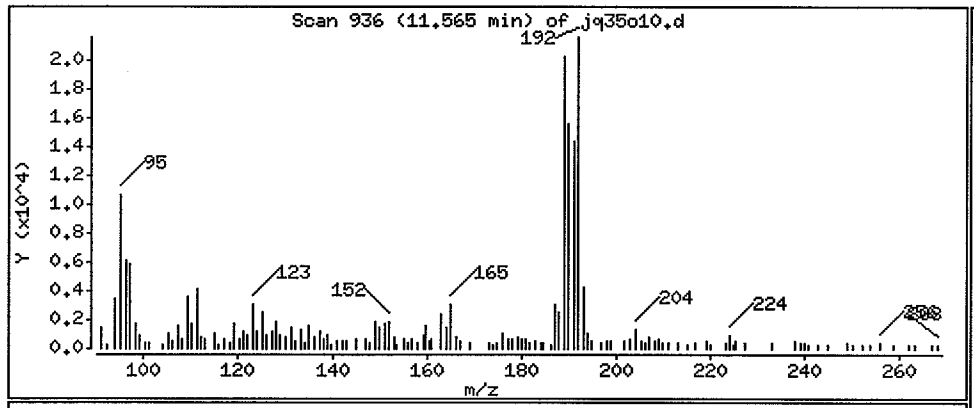
Operator: VTS

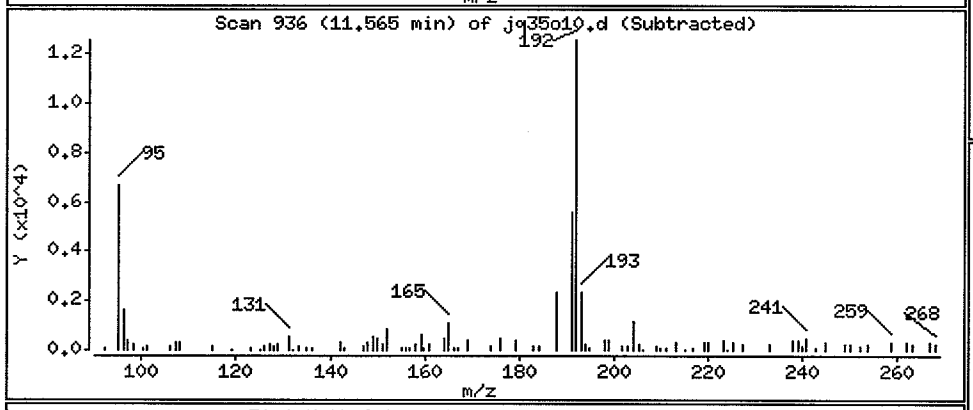
Column phase: ZB-5

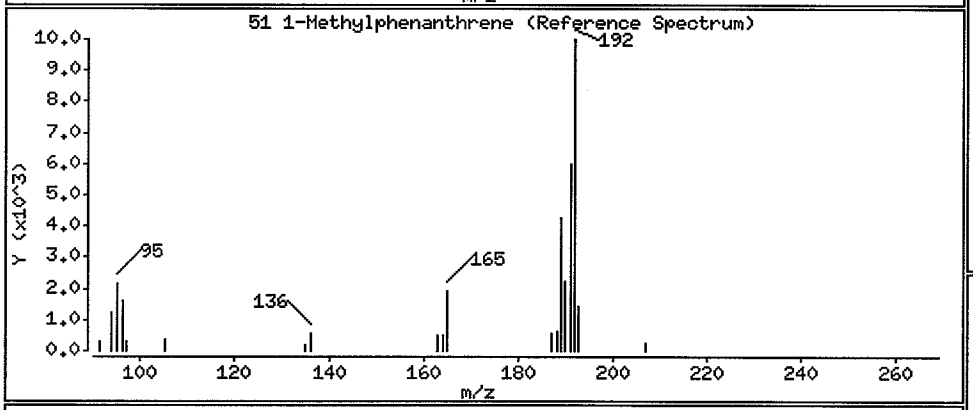
Column diameter: 0.25

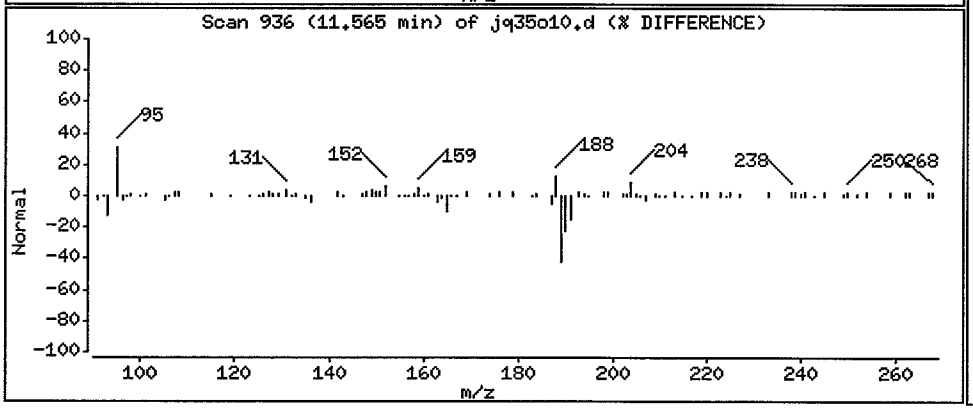
51 1-Methylphenanthrene

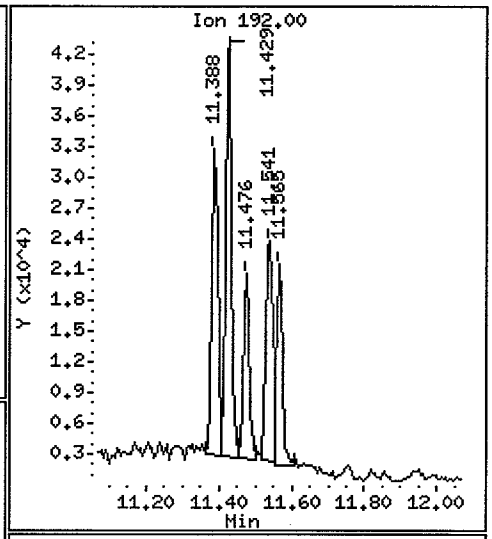
Concentration: 138.0 ug/kg

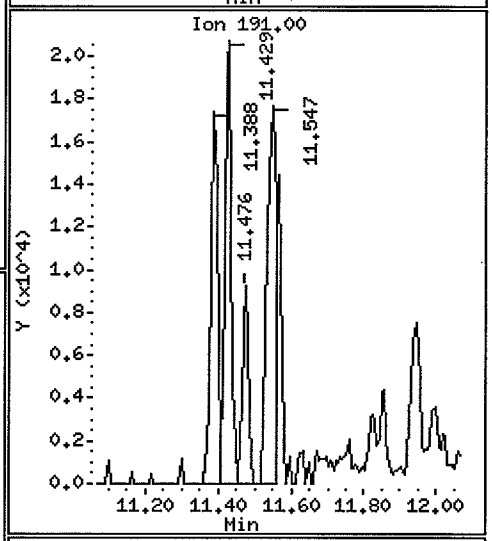


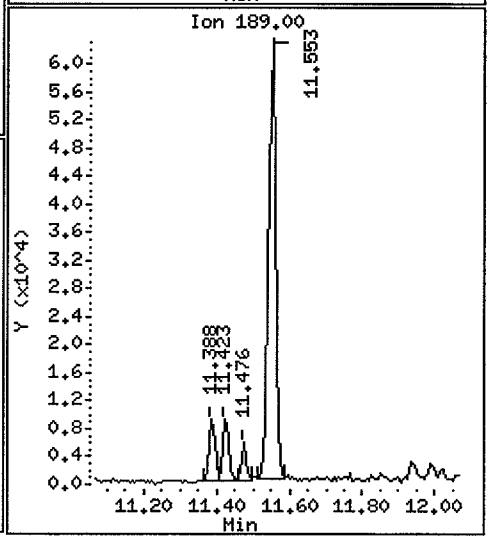












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ350,10

Volume Injected (uL): 1.0

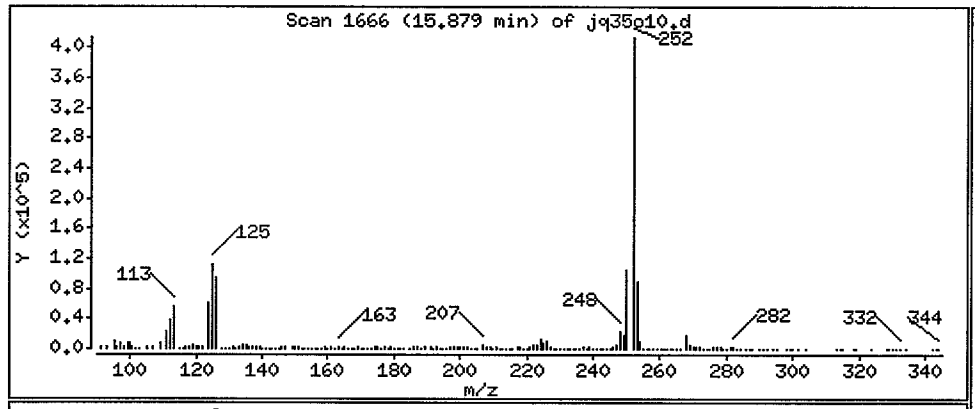
Operator: VTS

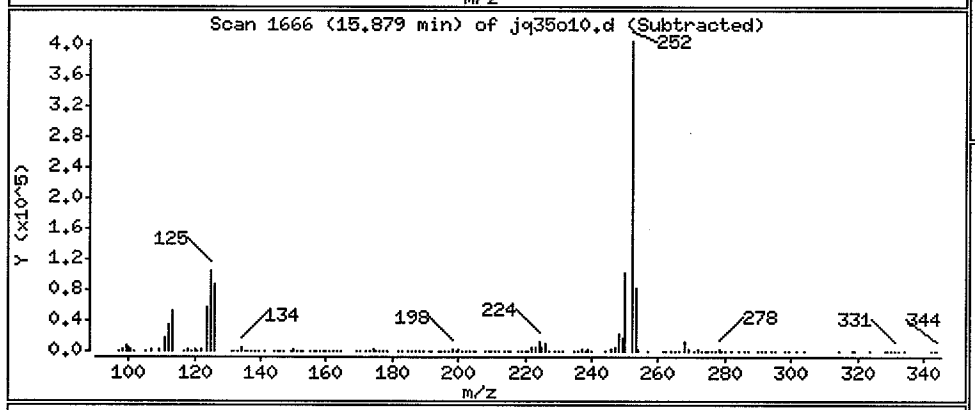
Column phase: ZB-5

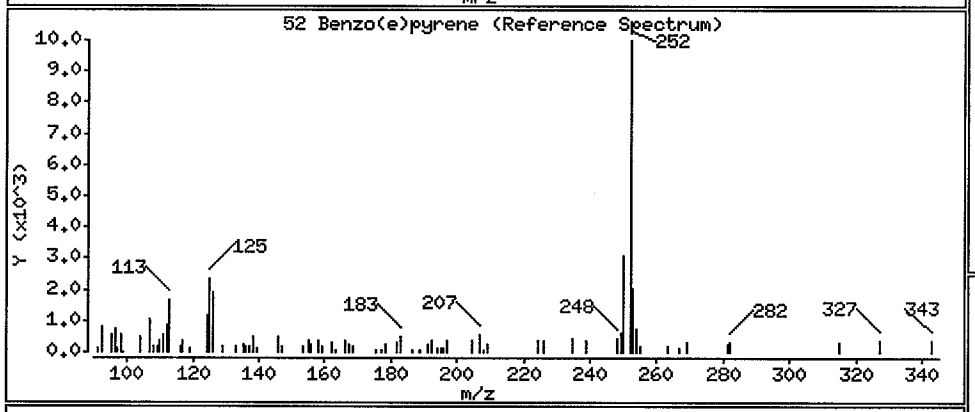
Column diameter: 0.25

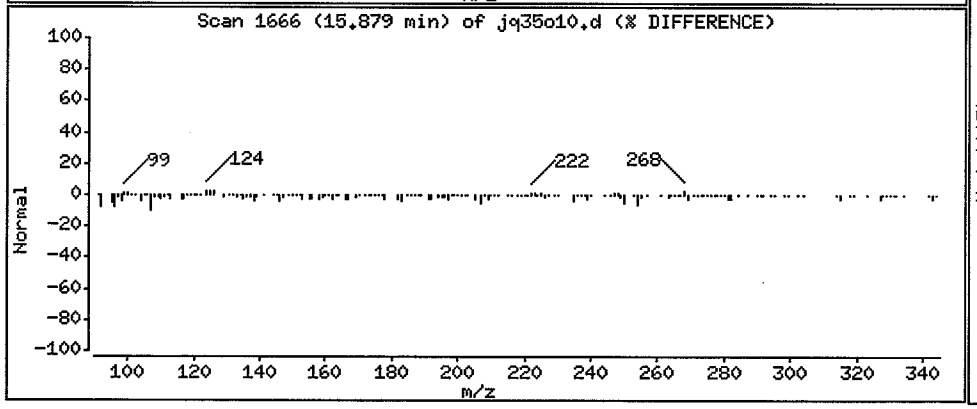
52 Benzo(e)pyrene

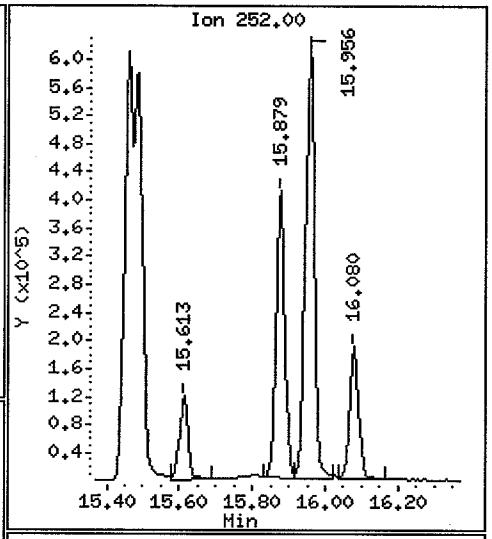
Concentration: 2608 ug/kg

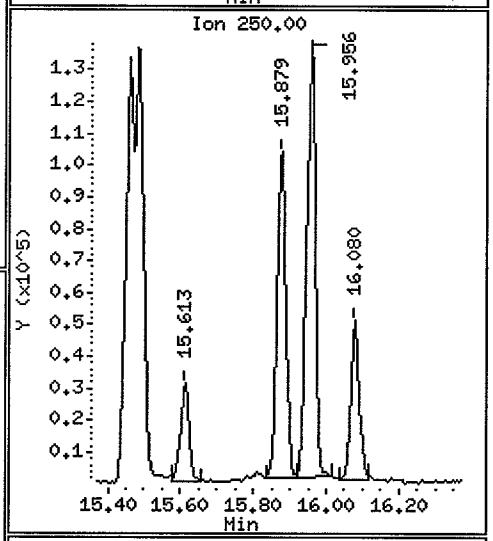


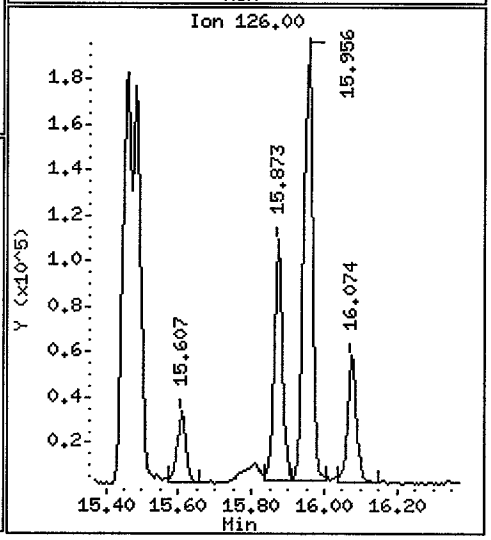












Data File: /chem3/nt1.i/20060807.b/jq35o10.d

Date : 07-AUG-2006 20:21

Client ID: T4-S3-08-B

Instrument: nt1.i

Sample Info: JQ350,10

Volume Injected (uL): 1.0

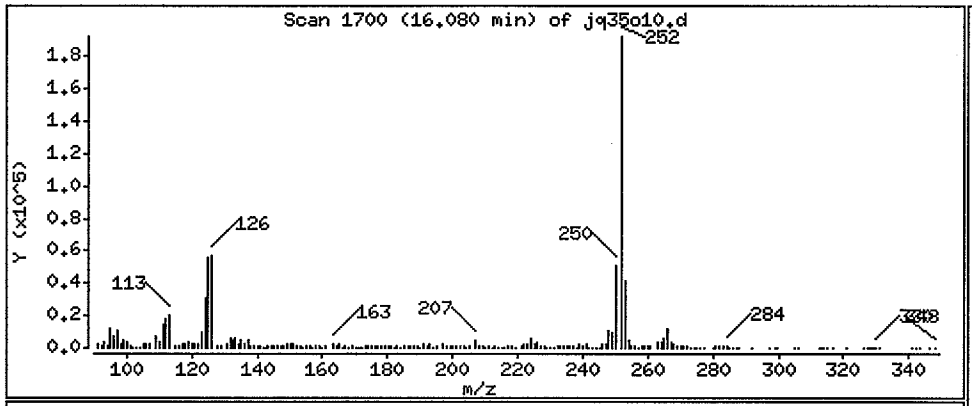
Operator: VTS

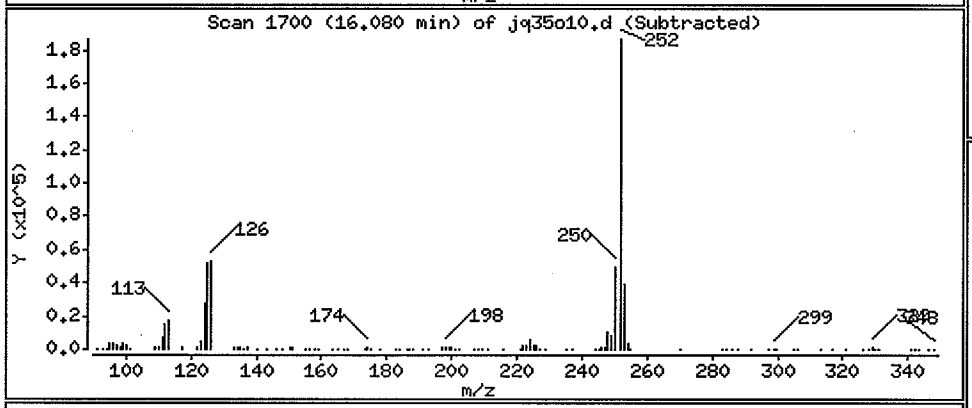
Column phase: ZB-5

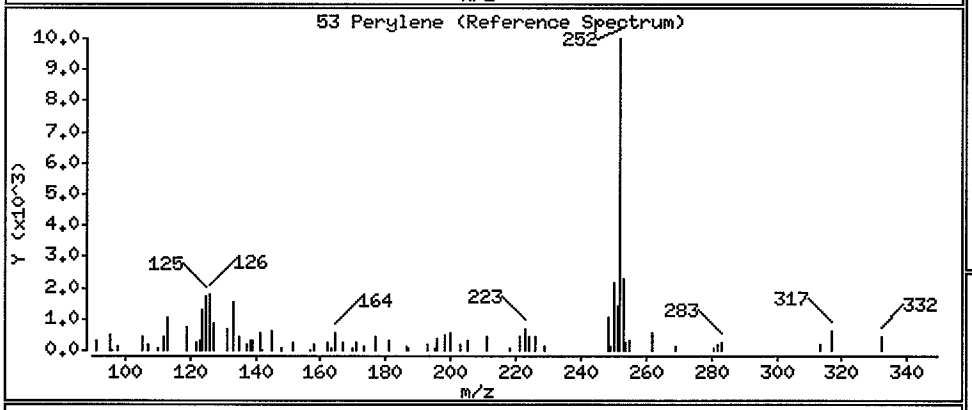
Column diameter: 0.25

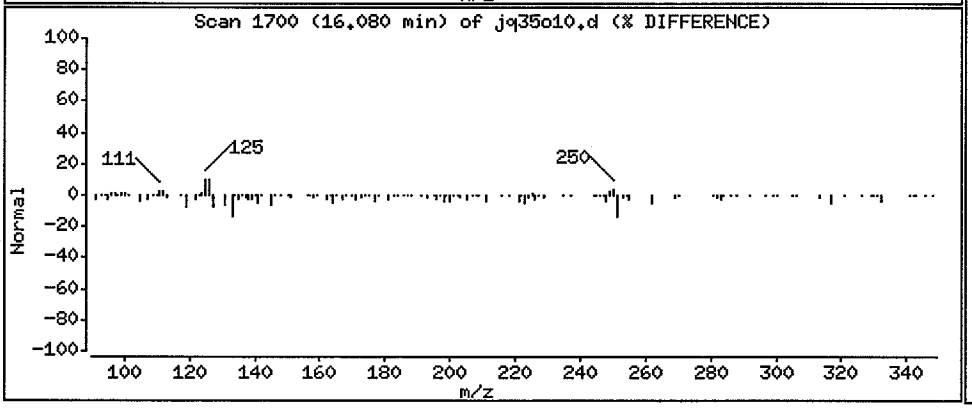
53 Perylene

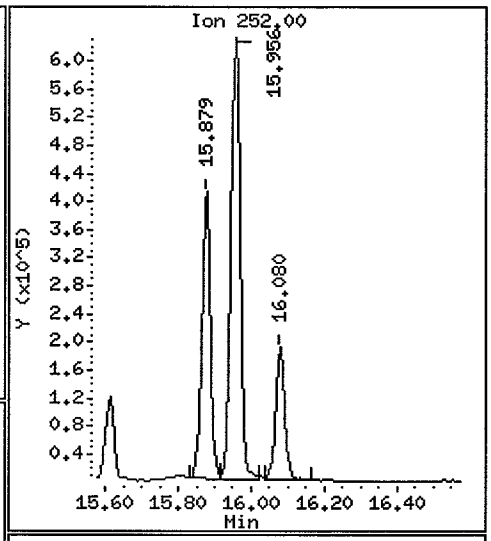
Concentration: 1342 ug/kg

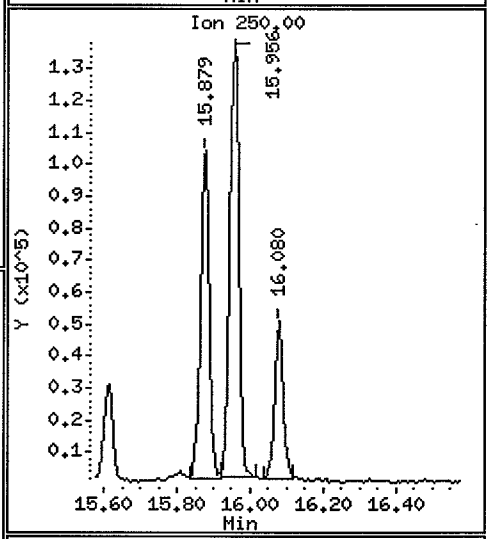


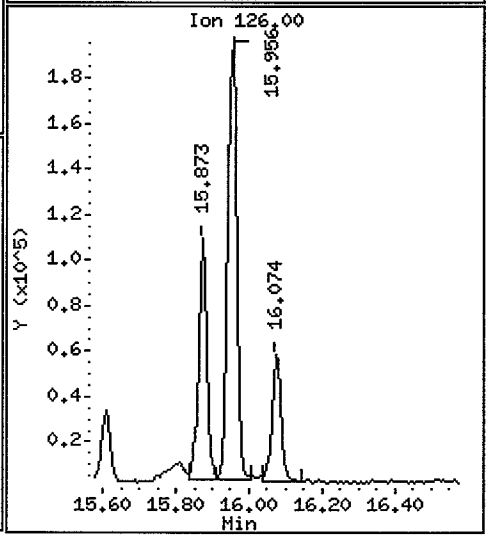












ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-08-C
SAMPLE

Lab Sample ID: JQ35P
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 20:46
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: 1.00
Percent Moisture: 16.7%
pH: 6.0

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**4.8**	**4.8**
91-57-6	2-Methylnaphthalene	4.8	< 4.8 U
90-12-0	1-Methylnaphthalene	4.8	< 4.8 U
208-96-8	Acenaphthylene	4.8	< 4.8 U
83-32-9	**Acenaphthene**	**4.8**	**26**
86-73-7	**Fluorene**	**4.8**	**14**
85-01-8	**Phenanthrene**	**4.8**	**120**
120-12-7	**Anthracene**	**4.8**	**26**
206-44-0	**Fluoranthene**	**4.8**	**280**
129-00-0	**Pyrene**	**4.8**	**250**
56-55-3	**Benzo(a)anthracene**	**4.8**	**170**
218-01-9	**Chrysene**	**4.8**	**210**
205-99-2	**Benzo(b)fluoranthene**	**4.8**	**240**
207-08-9	**Benzo(k)fluoranthene**	**4.8**	**180**
50-32-8	**Benzo(a)pyrene**	**4.8**	**230**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.8**	**110**
53-70-3	**Dibenz(a,h)anthracene**	**4.8**	**40**
191-24-2	**Benzo(g,h,i)perylene**	**4.8**	**120**
198-55-0	**Perylene**	**4.8**	**71**
92-52-4	Biphenyl	4.8	< 4.8 U
581-42-0	2,6-Dimethylnaphthalene	4.8	< 4.8 U
832-69-9	**1-Methylphenanthrene**	**4.8**	**7.7**
192-97-2	**Benzo(e)pyrene**	**4.8**	**140**
2245-38-7	2,3,5-Trimethylnaphthalene	4.8	< 4.8 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	50.0%
d14-Dibenzo(a,h)anthracen	67.0%

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq35p.d
Lab Smp Id: JQ35P
Client Smp ID: T4-S3-08-C
Inj Date : 07-AUG-2006 20:46
Operator : VTS
Inst ID: nt1.i
Smp Info : JQ35P
Misc Info : 06-12971
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: 24
Dil Factor: 1.00000
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	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	12.50000	Weight of sample extracted (g)
M	16.70000	% 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	6.890	6.891	(1.000)	291334	2.00000	
2 Naphthalene	128	6.908	6.915	(1.003)	15040	0.10350	4.970
$ 3 2-Methylnaphthalene-d10	152	7.647	7.648	(1.110)	112607	1.50066	72.06
4 2-Methylnaphthalene	142	7.682	7.683	(1.115)	5206	0.06049	2.905
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.947	8.954	(1.000)	157337	2.00000	
9 Acenaphthene	153	8.988	8.989	(1.005)	41795	0.54100	25.98
10 Dibenzofuran	168	9.178	9.178	(1.026)	12186	0.10709	5.142
11 Fluorene	166	9.603	9.604	(1.073)	26968	0.30442	14.62
* 15 Phenanthrene-d10	188	10.761	10.762	(1.000)	253395	2.00000	
16 Phenanthrene	178	10.791	10.792	(1.003)	328266	2.52389	121.2
17 Anthracene	178	10.844	10.851	(1.008)	69341	0.53349	25.62
19 Fluoranthene	202	12.286	12.287	(1.142)	785109	5.91813	284.2
20 Pyrene	202	12.576	12.577	(0.893)	759613	5.13431	246.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
22 Benzo(a)anthracene	228	14.059	14.054	(0.999)	494650	3.56516	171.2
* 23 Chrysene-d12	240	14.077	14.078	(1.000)	230403	2.00000	
24 Chrysene	228	14.107	14.107	(1.002)	553103	4.32204	207.5
28 Benzo(b)fluoranthene	252	15.454	15.455	(0.964)	647554	5.01234	240.7
29 Benzo(k)fluoranthene	252	15.484	15.484	(0.966)	530692	3.85310	185.0
30 Benzo(a)pyrene	252	15.951	15.951	(0.995)	598187	4.75185	228.2
* 31 Perylene-d12	264	16.033	16.034	(1.000)	228911	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	18.001	18.002	(1.123)	345231	2.38473	114.5
$ 32 Dibenz(a,h)anthrancene-d14	292	17.925	17.931	(1.118)	176386	2.01345	96.68
34 Dibenz(a,h)anthracene	278	17.984	17.996	(1.122)	98190	0.83025	39.87
35 Benzo(g,h,i)perylene	276	18.586	18.581	(1.159)	301020	2.50143	120.1
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	11.566	(0.822)	14826	0.15720	7.549
52 Benzo(e)pyrene	252	15.868	15.869	(0.990)	397330	2.85142	136.9
53 Perylene	252	16.075	16.075	(1.003)	191919	1.46688	70.44

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq35p.d
Lab Smp Id: JQ35P
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12971

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-08-C
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	291334	26.10
8 Acenaphthene-d10	129131	64566	258262	157337	21.84
15 Phenanthrene-d10	212850	106425	425700	253395	19.05
23 Chrysene-d12	190817	95408	381634	230403	20.75
31 Perylene-d12	197592	98796	395184	228911	15.85

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.89	6.39	7.39	6.89	-0.01
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.08
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

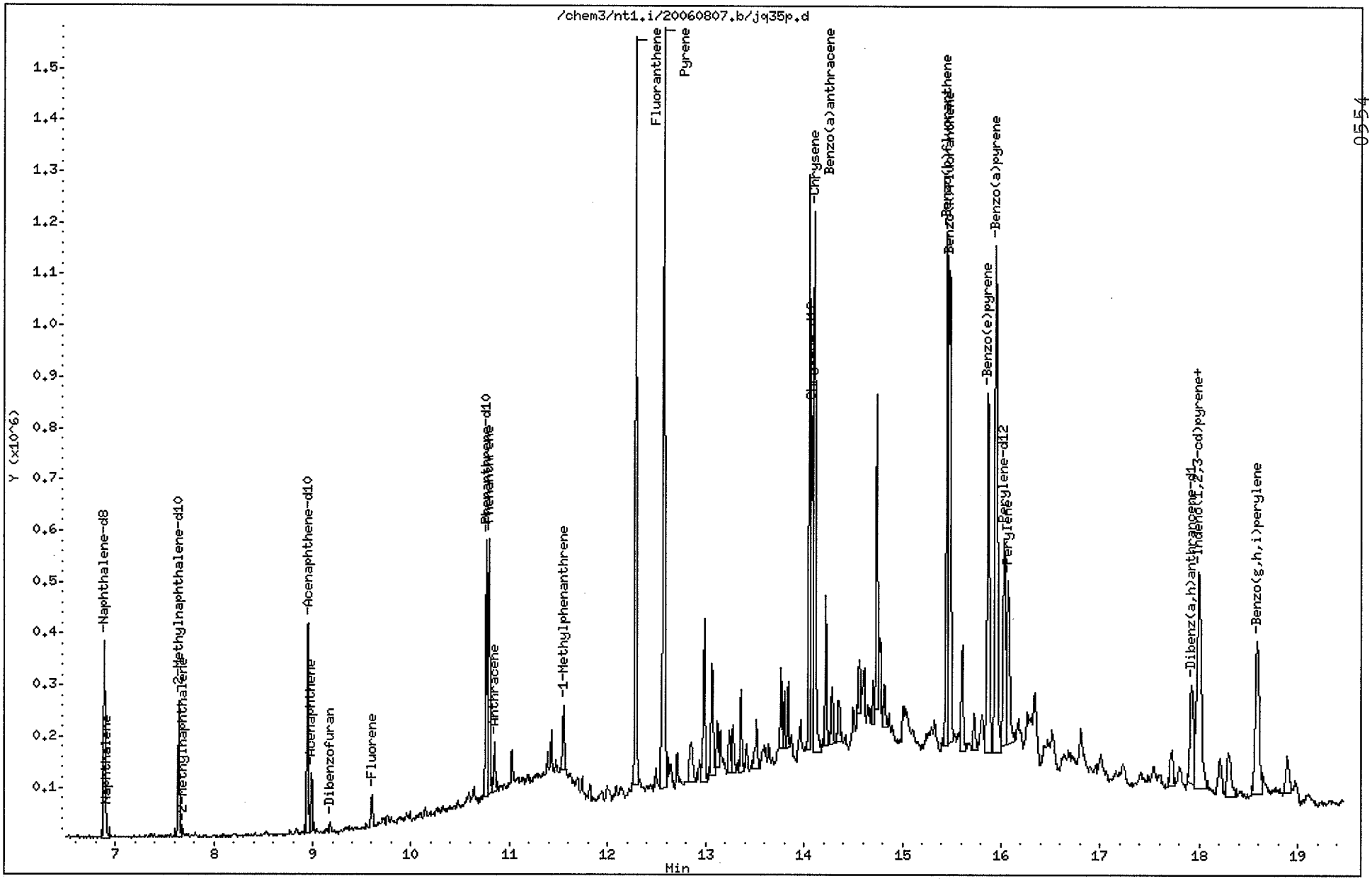
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35P
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12971

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-08-C
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	144.1	72.06	50.02	32-97
$ 32 Dibenz(a,h)anthran	144.1	96.68	67.12	21-105

Data File: /chem3/nt1.i/20060807.b/jq35p.d
Date : 07-AUG-2006 20:46
Client ID: T4-S3-08-C
Sample Info: JQ35P
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0554

Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

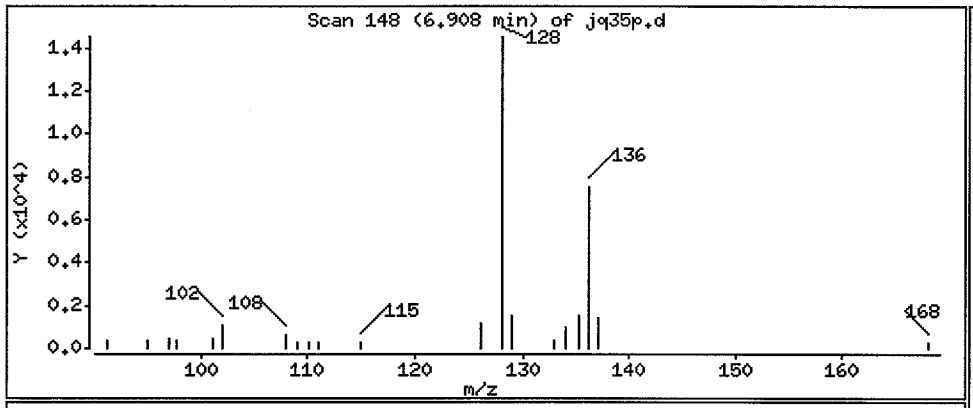
Operator: VTS

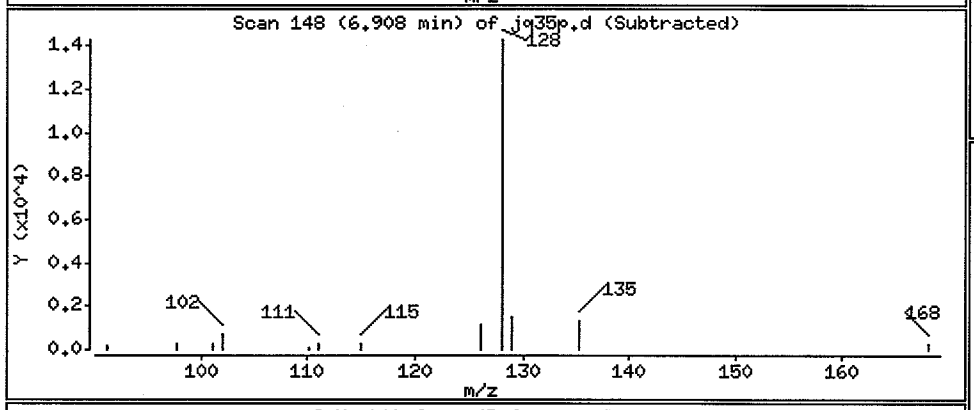
Column phase: ZB-5

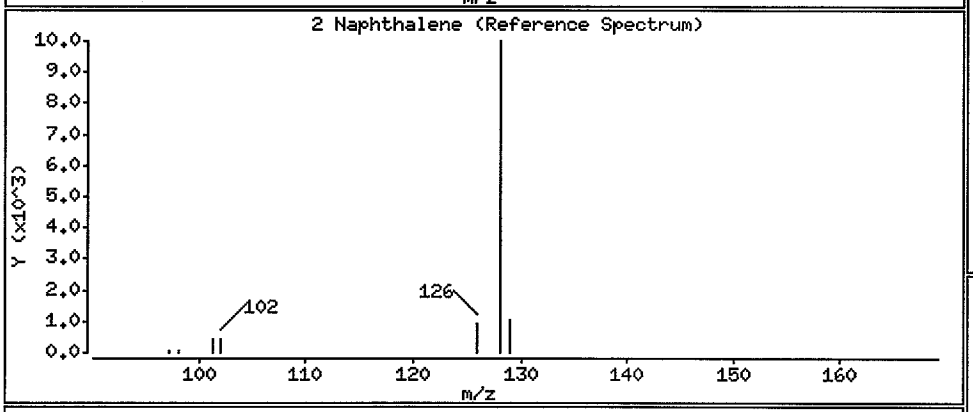
Column diameter: 0.25

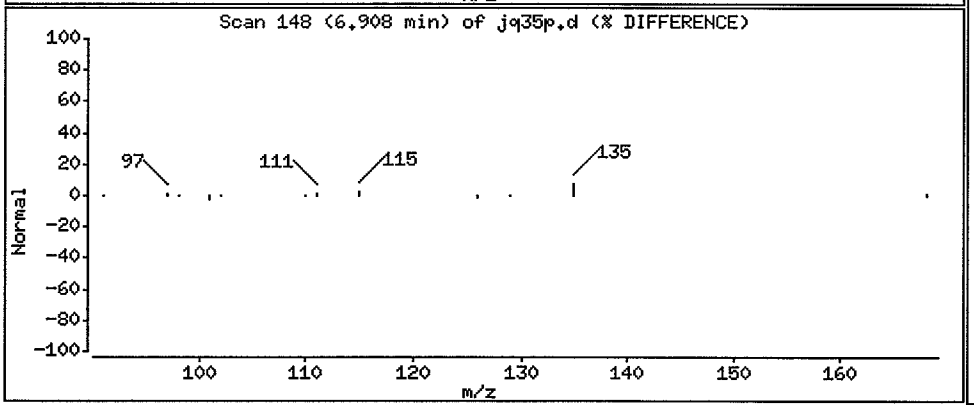
2 Naphthalene

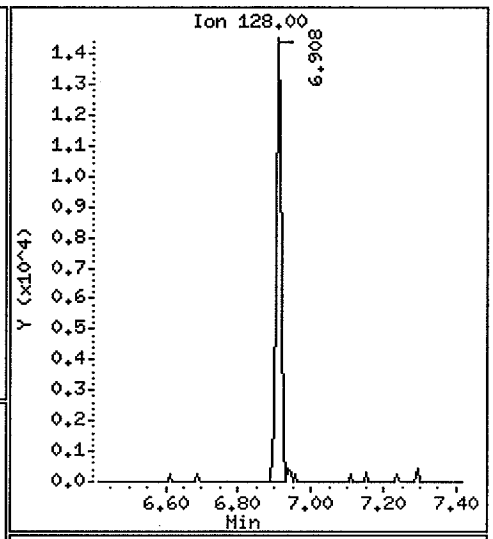
Concentration: 4.970 ug/kg

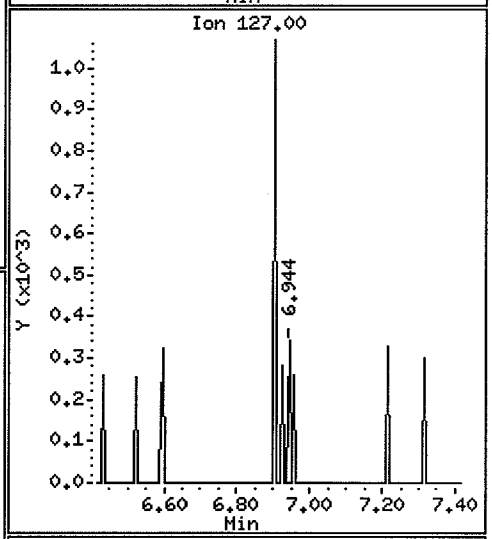


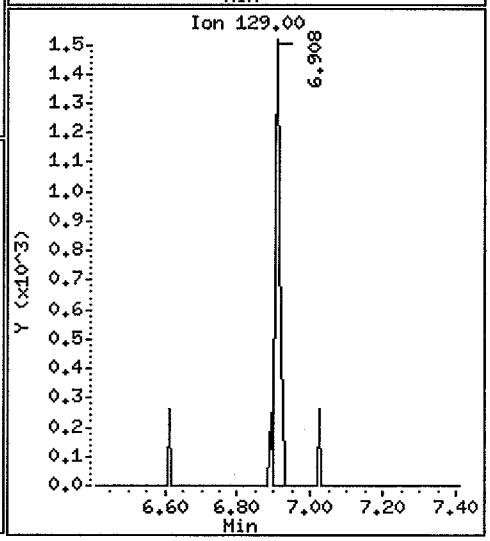












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

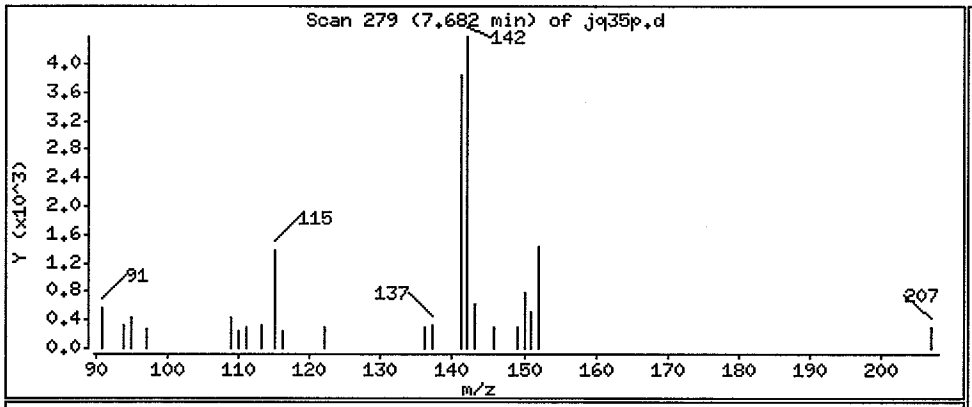
Operator: VTS

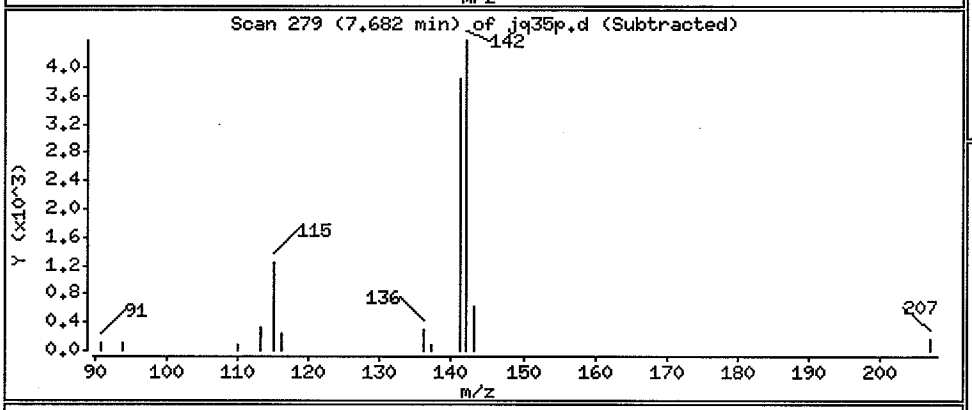
Column phase: ZB-5

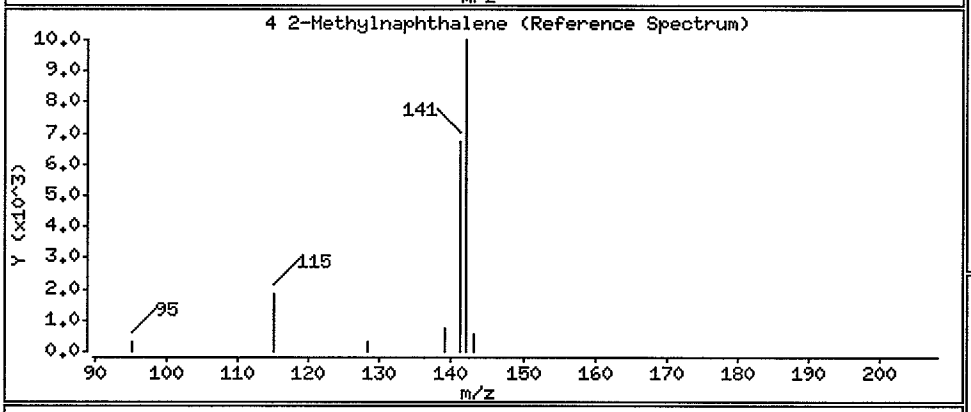
Column diameter: 0.25

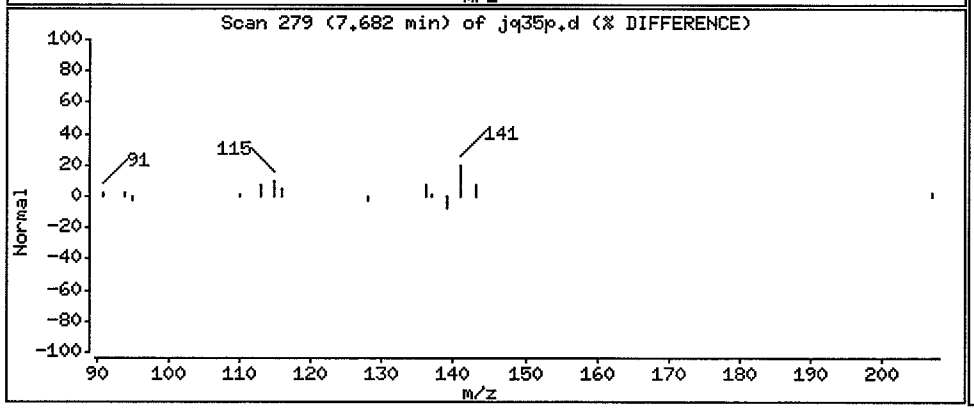
4 2-Methylnaphthalene

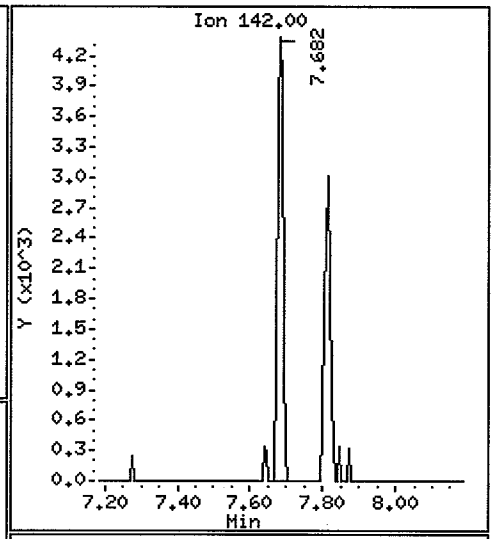
Concentration: 2.905 ug/kg

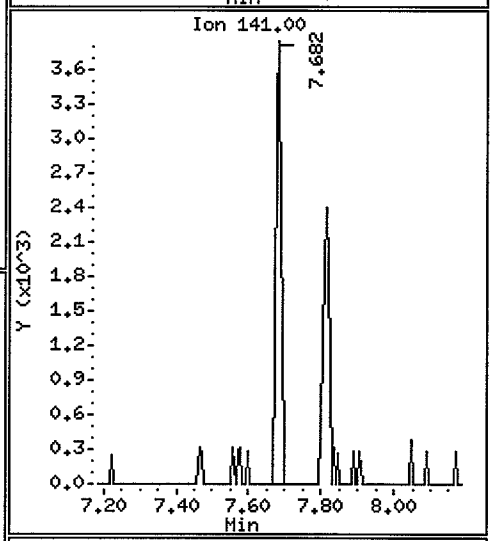


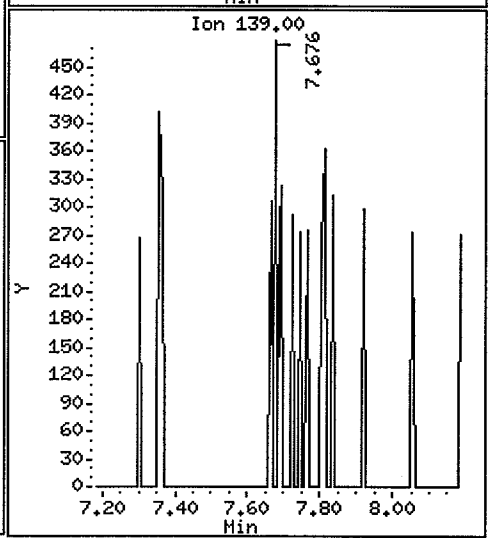












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

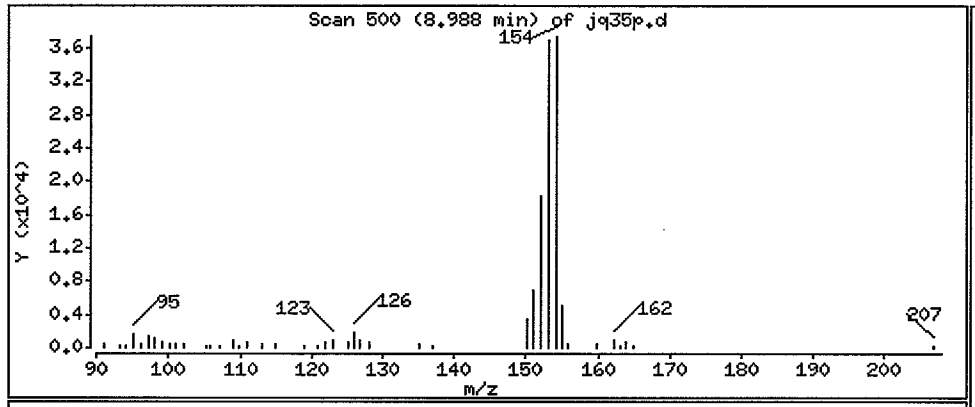
Operator: VTS

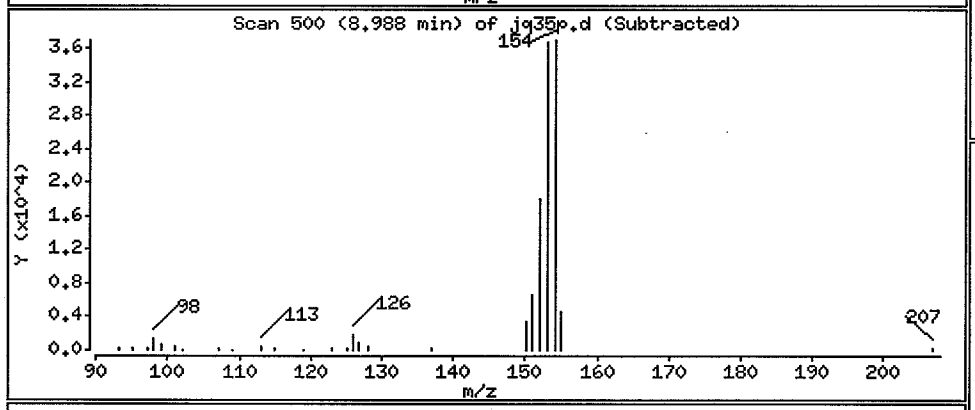
Column phase: ZB-5

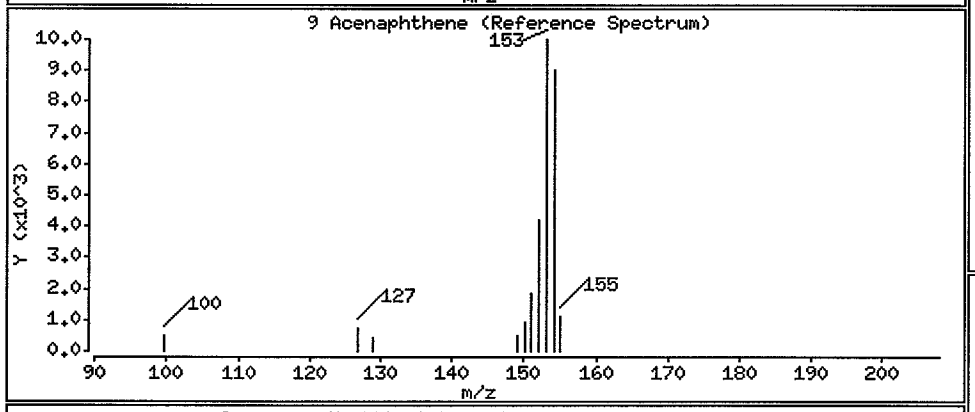
Column diameter: 0.25

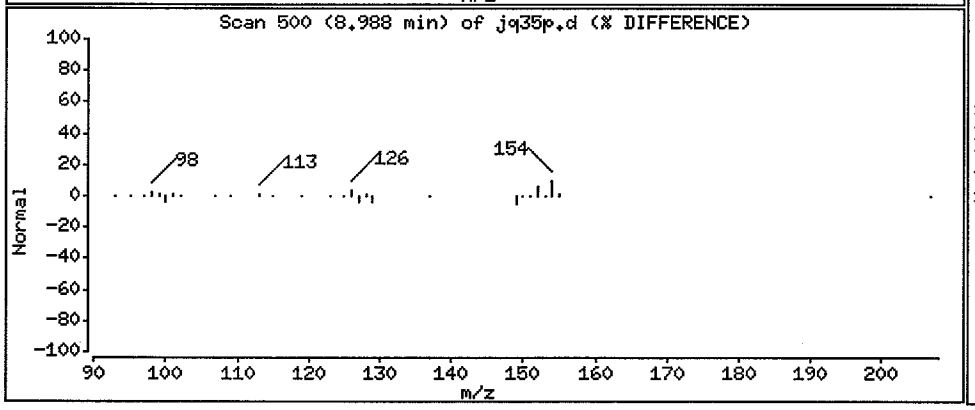
9 Acenaphthene

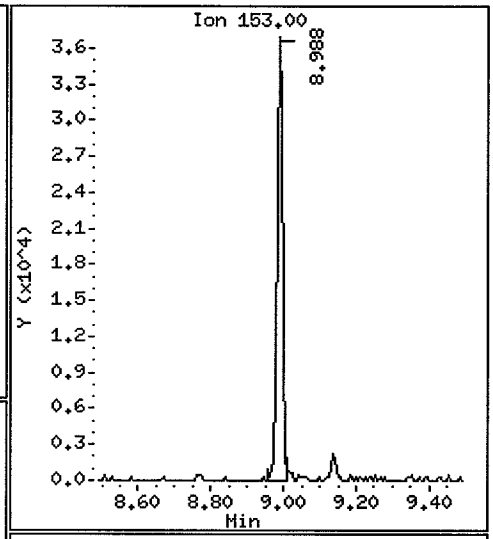
Concentration: 25.98 ug/kg

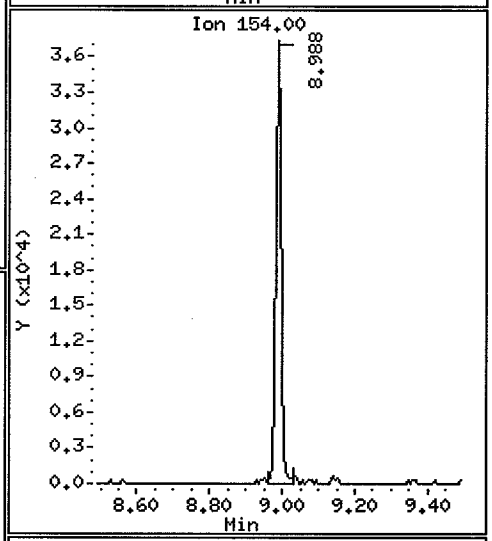


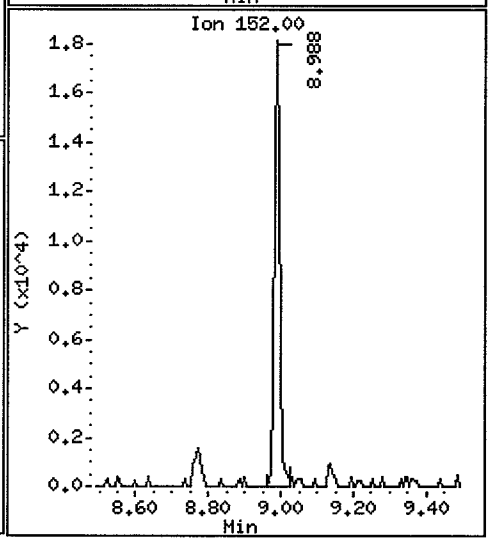












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

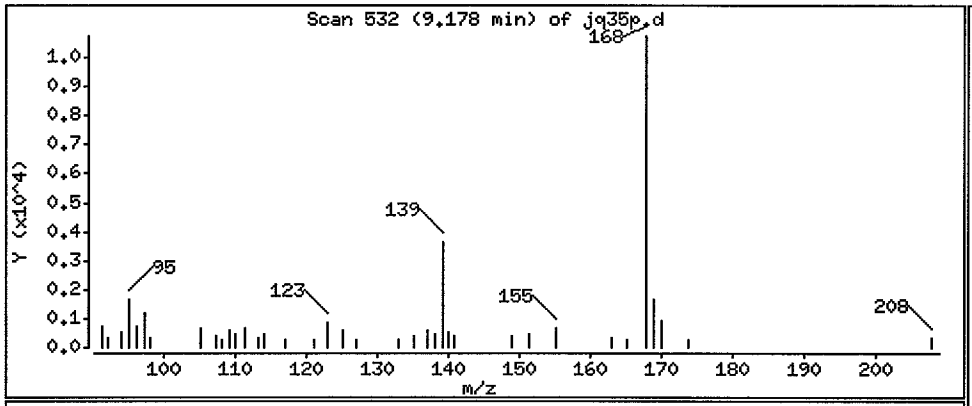
Operator: VTS

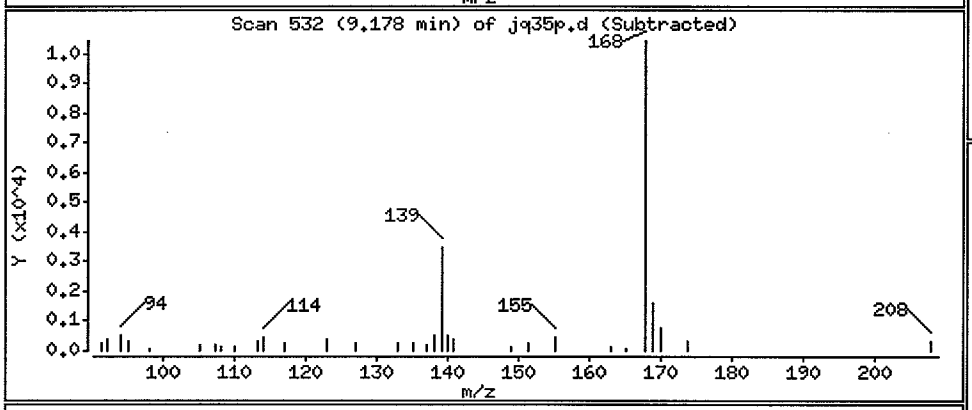
Column phase: ZB-5

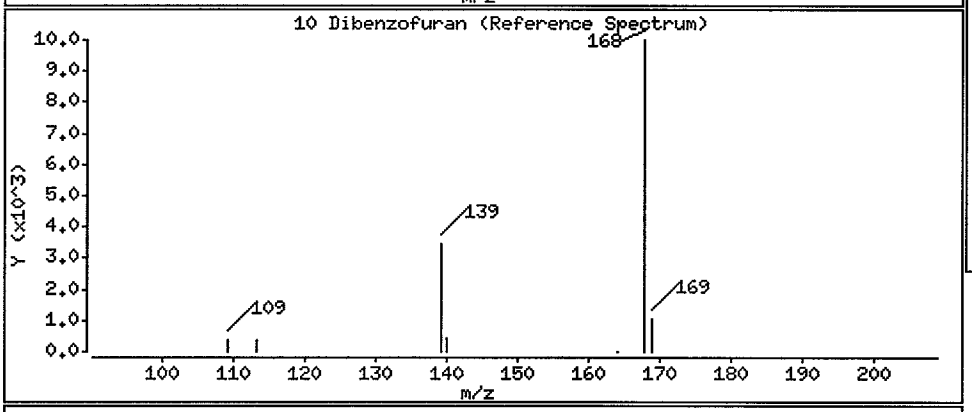
Column diameter: 0.25

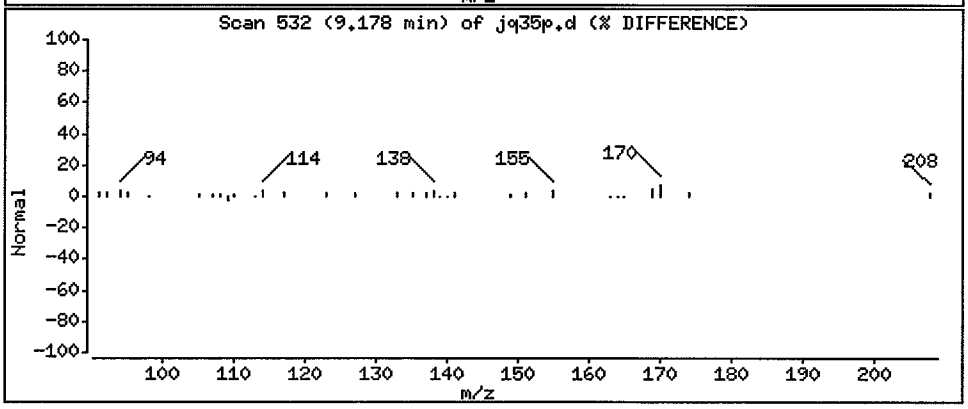
10 Dibenzofuran

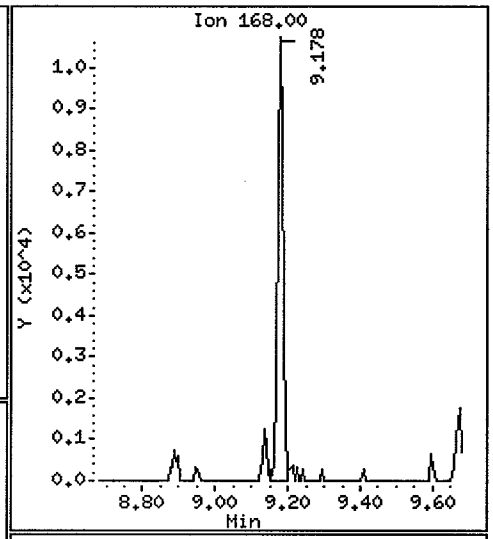
Concentration: 5.142 ug/kg

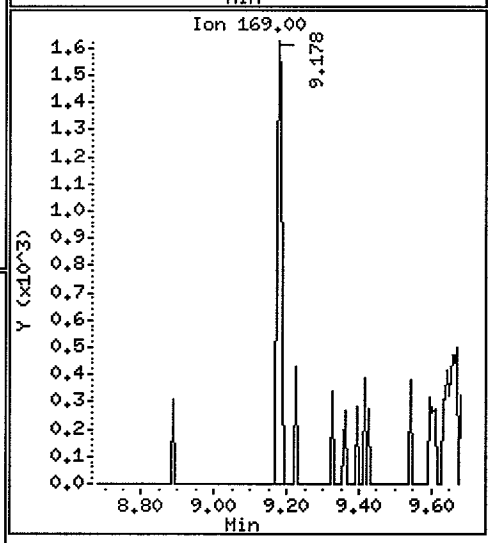












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

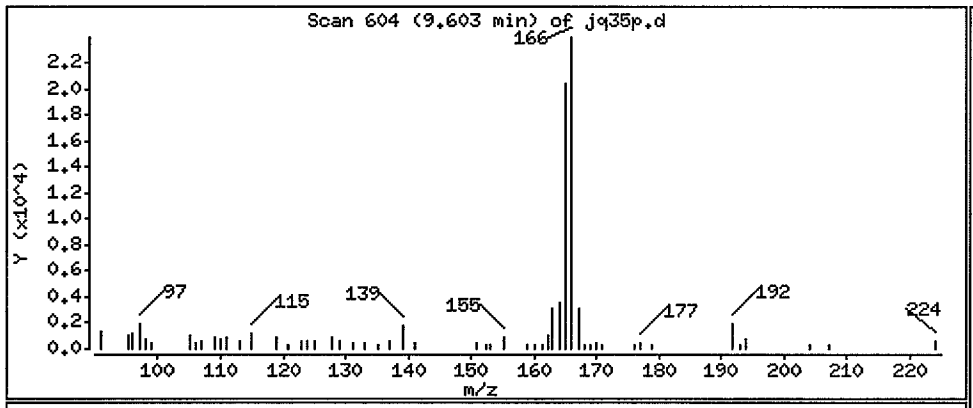
Operator: VTS

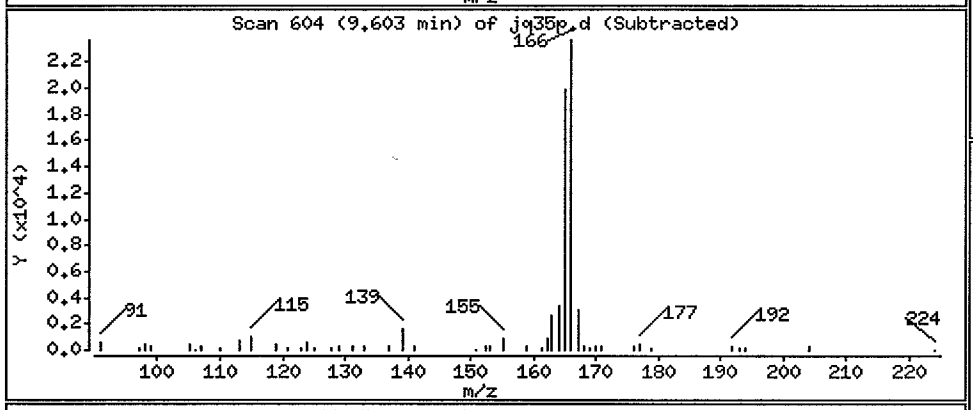
Column phase: ZB-5

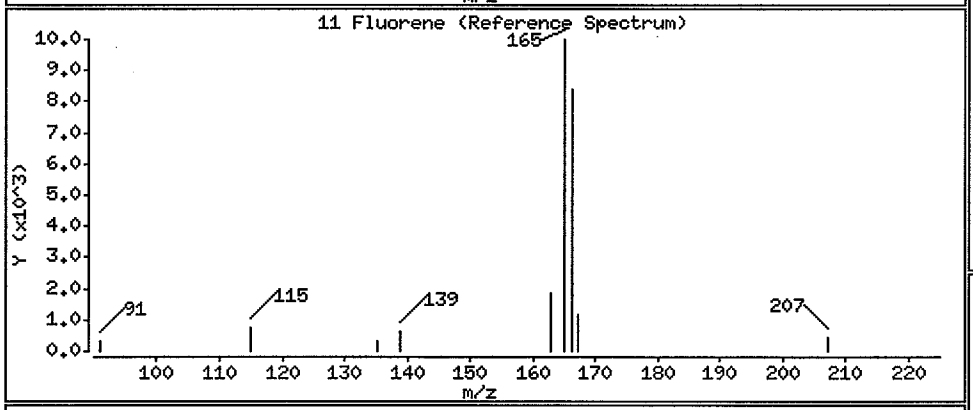
Column diameter: 0.25

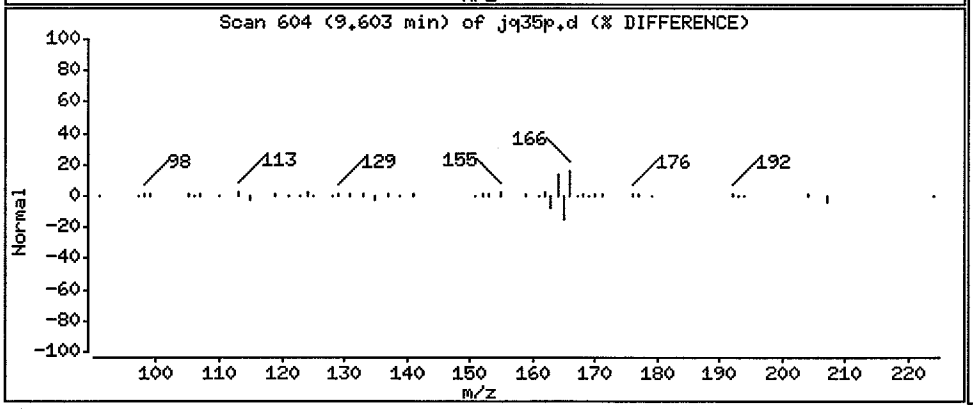
11 Fluorene

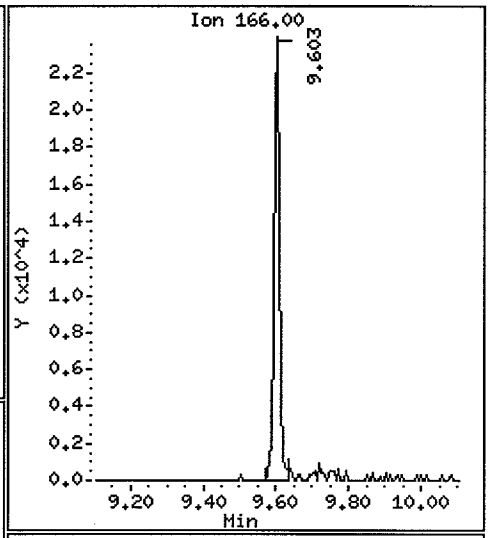
Concentration: 14.62 ug/kg

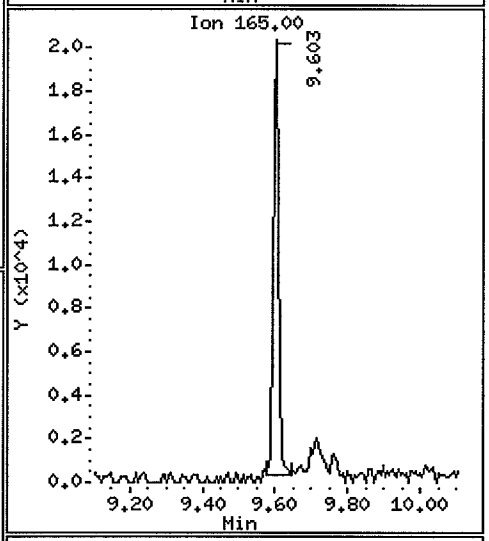


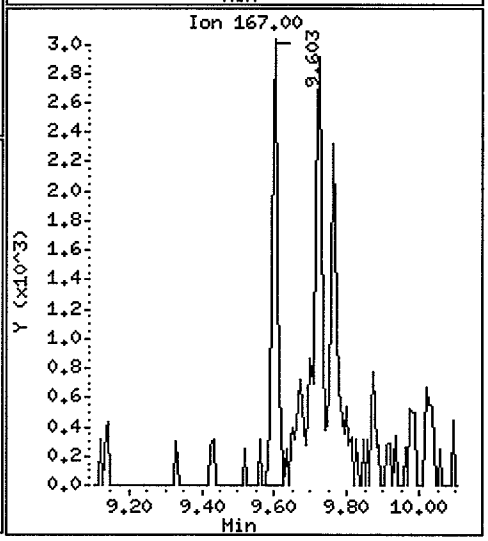












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

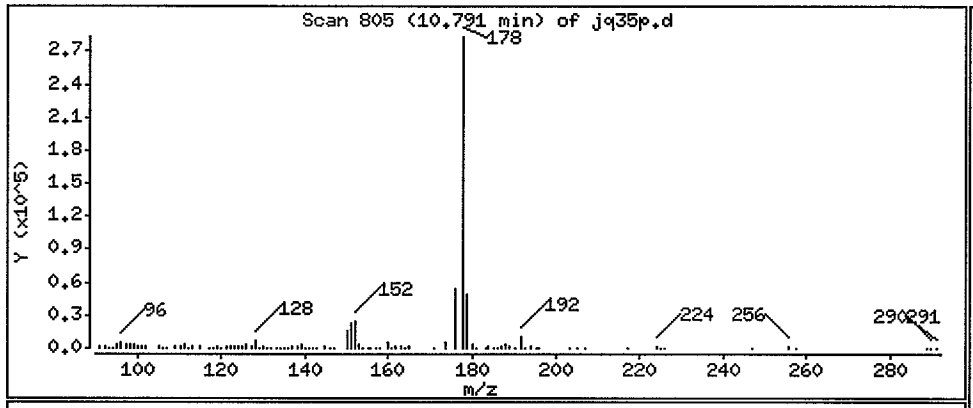
Operator: VTS

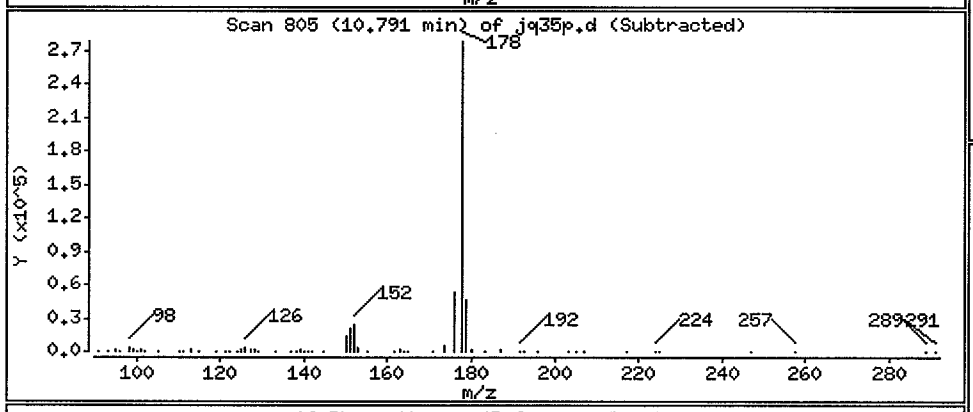
Column phase: ZB-5

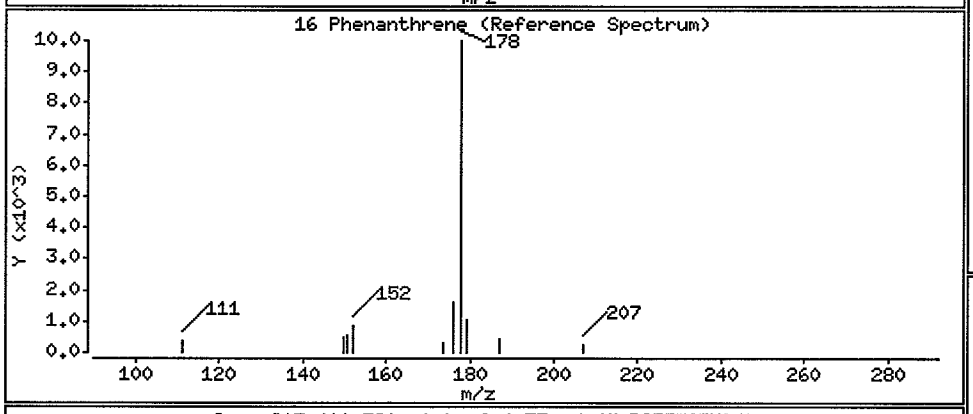
Column diameter: 0.25

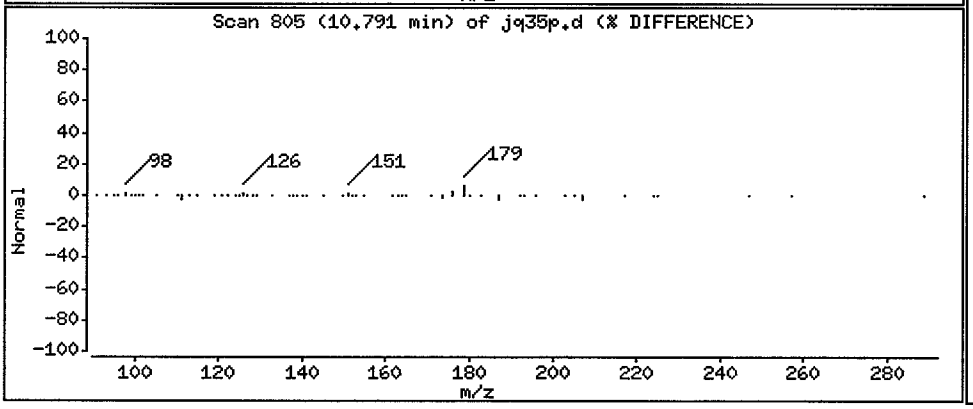
16 Phenanthrene

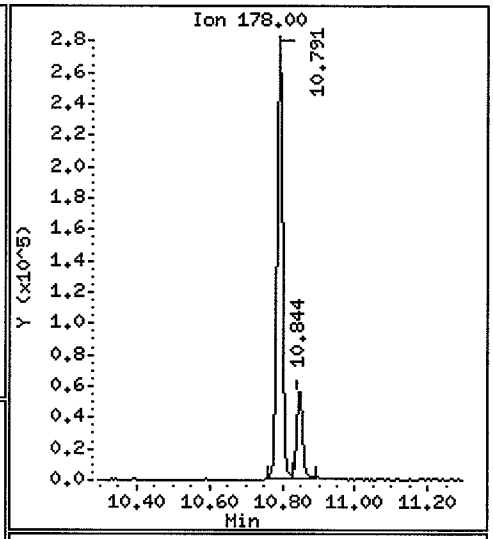
Concentration: 121.2 ug/kg

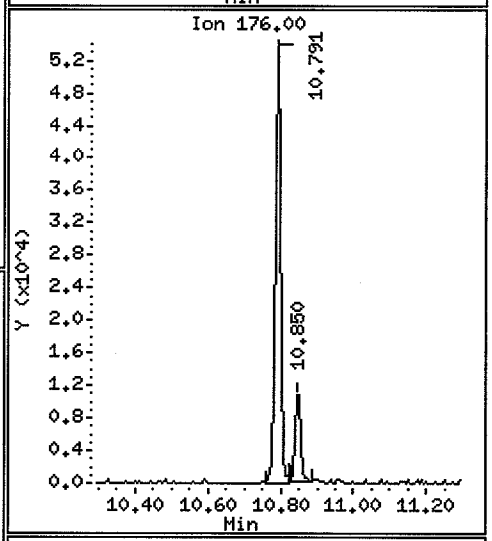


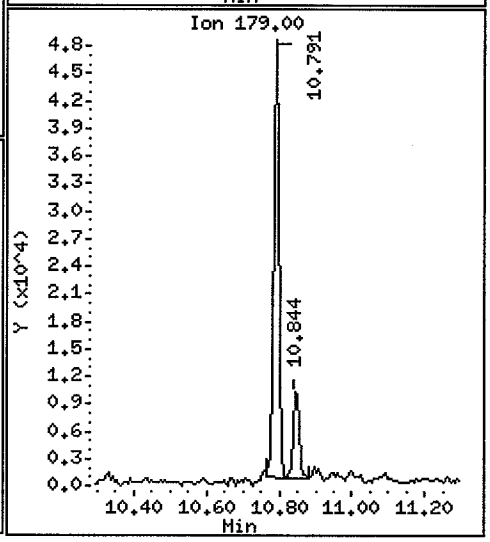












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

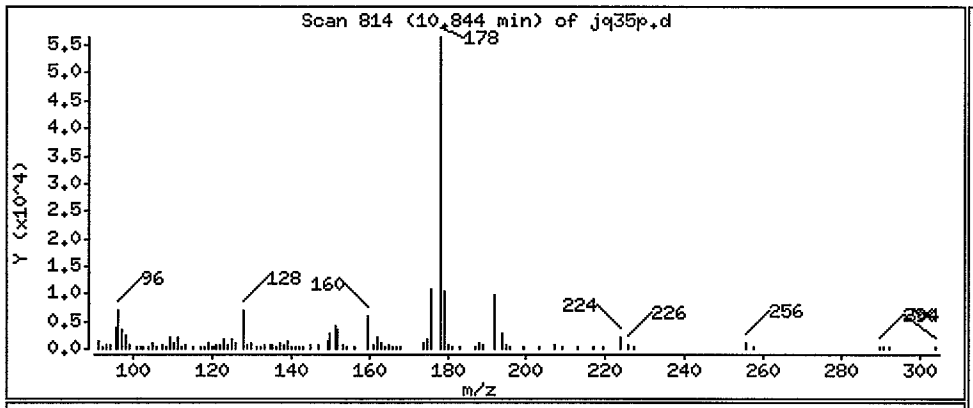
Operator: VTS

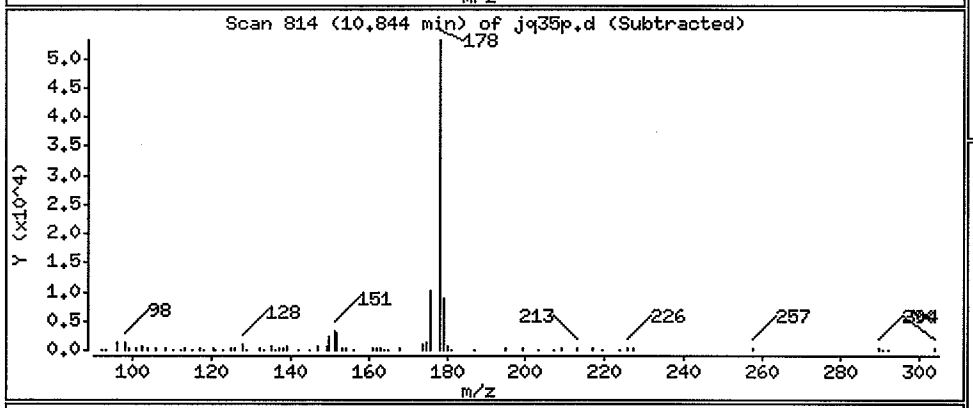
Column phase: ZB-5

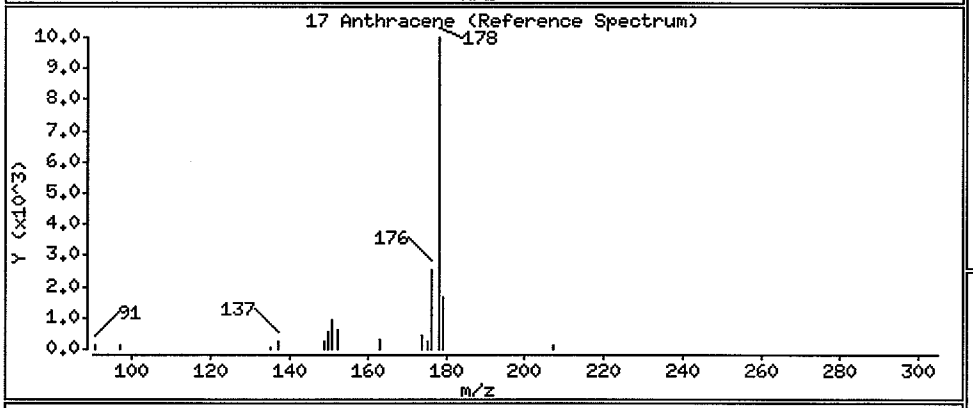
Column diameter: 0.25

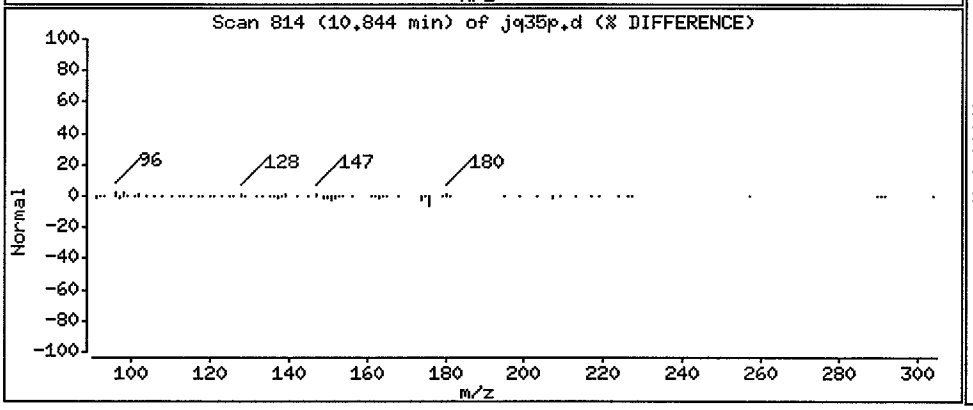
17 Anthracene

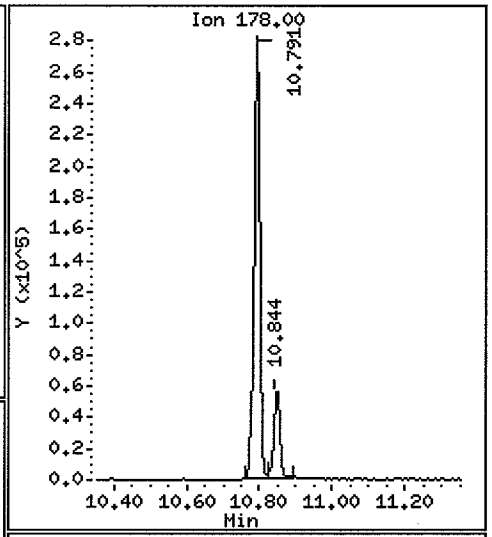
Concentration: 25.62 ug/kg

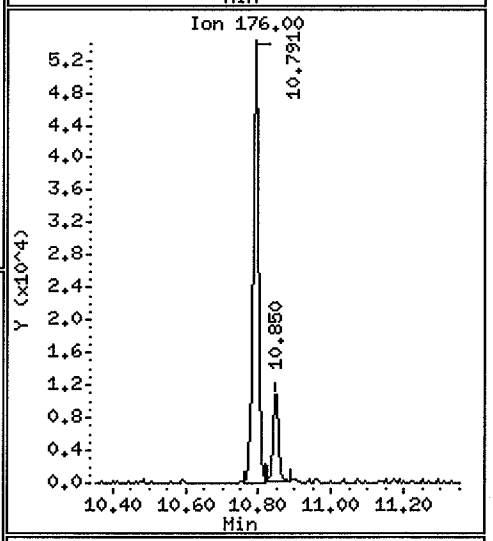


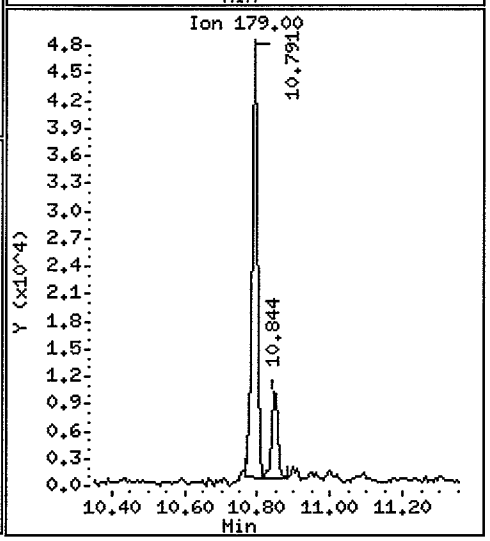












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

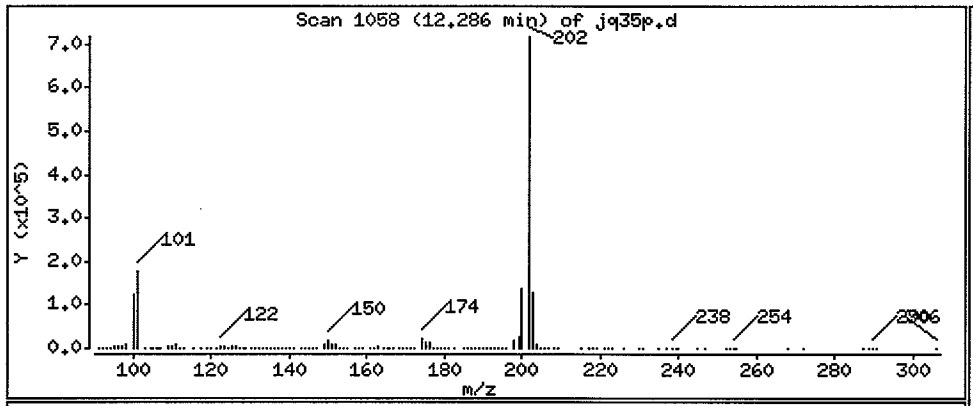
Operator: VTS

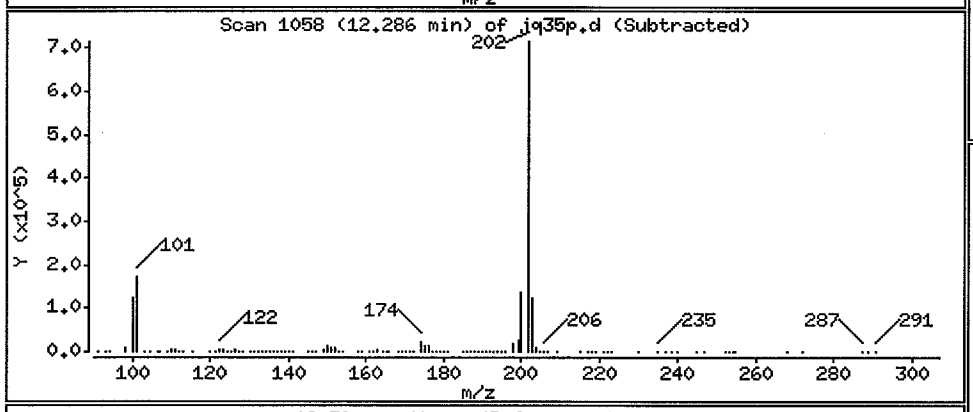
Column phase: ZB-5

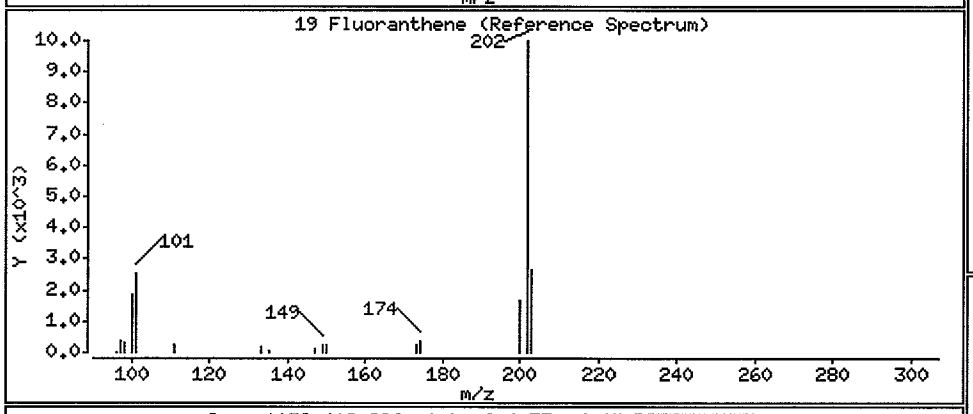
Column diameter: 0.25

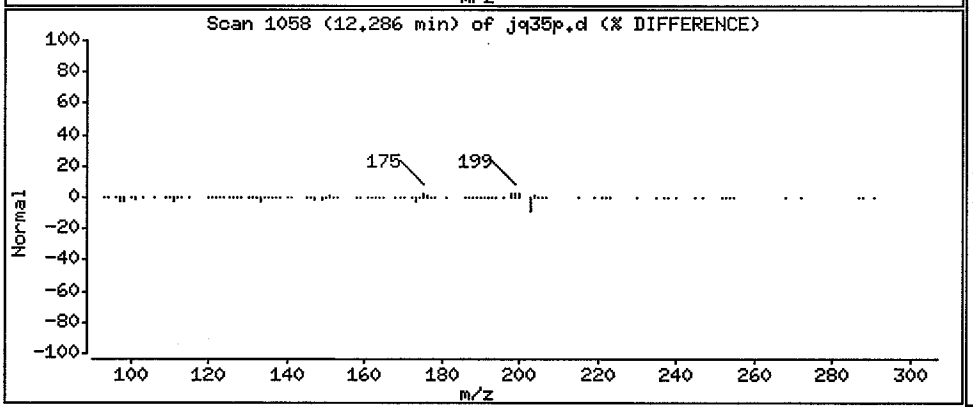
19 Fluoranthene

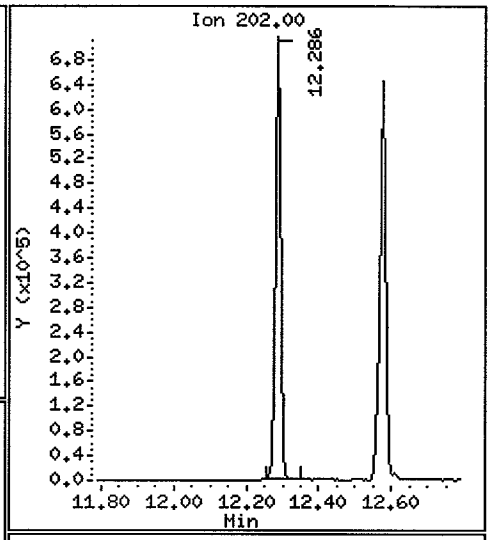
Concentration: 284.2 ug/kg

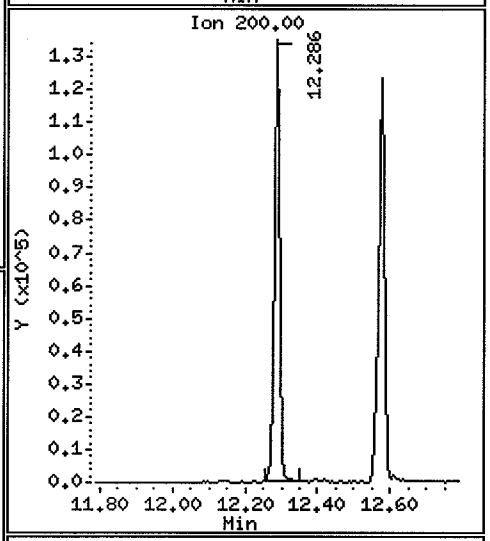


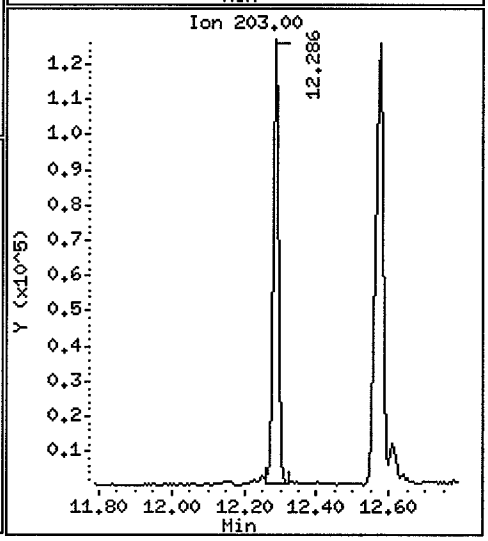












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

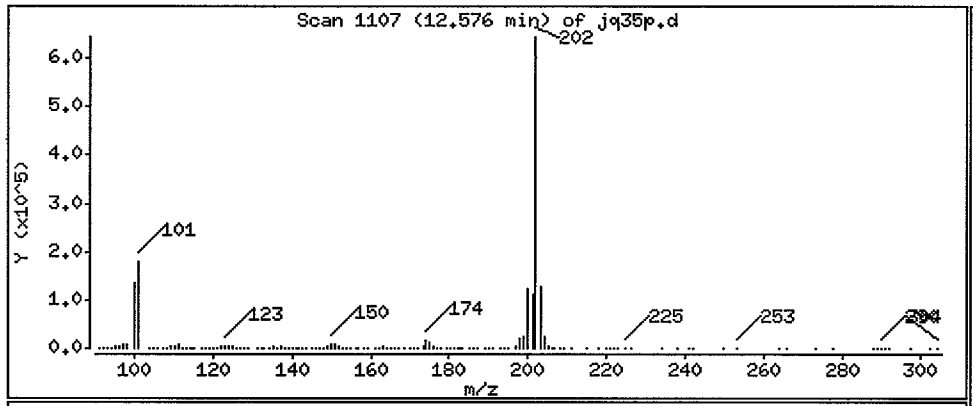
Operator: VTS

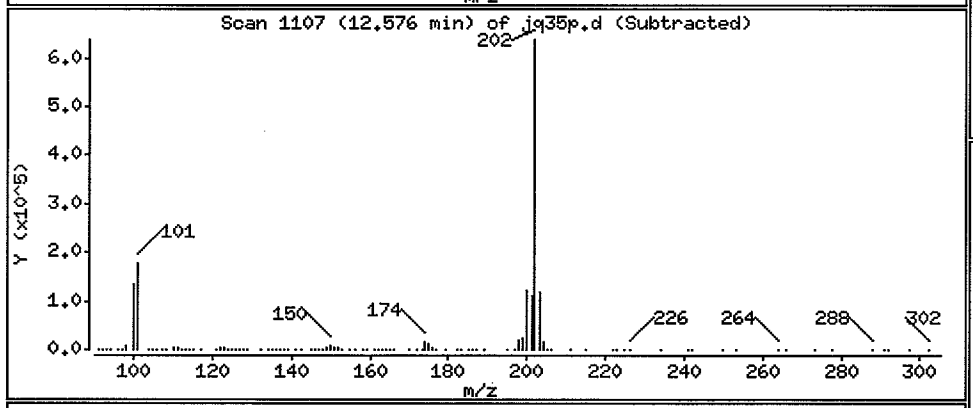
Column phase: ZB-5

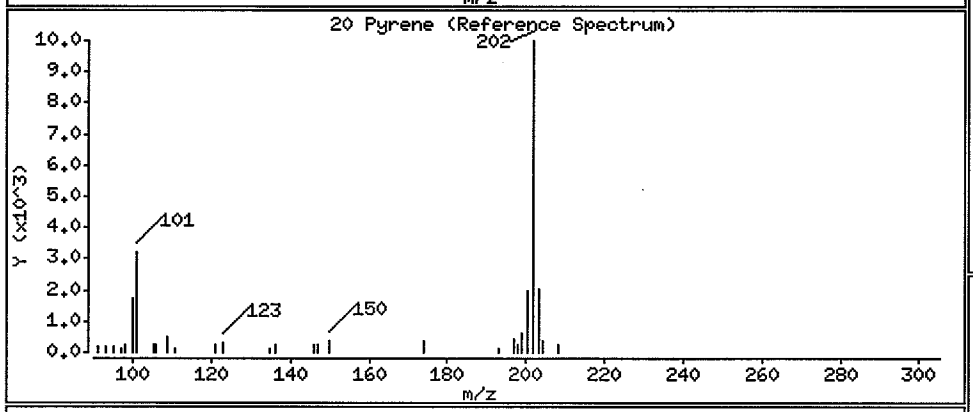
Column diameter: 0.25

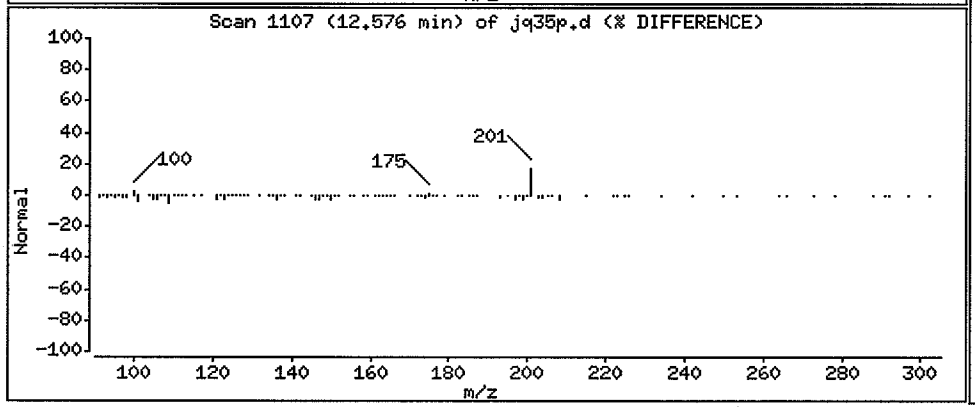
20 Pyrene

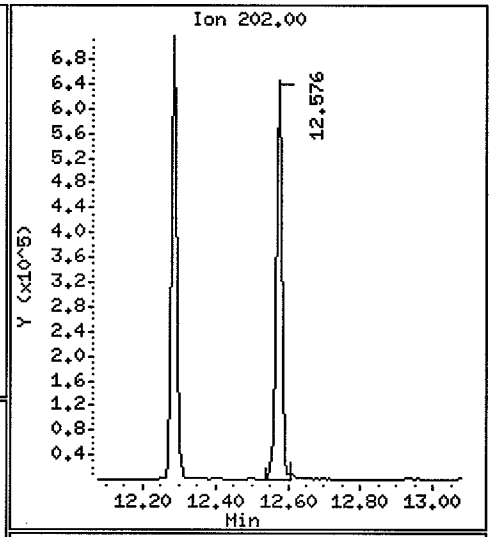
Concentration: 246.5 ug/kg

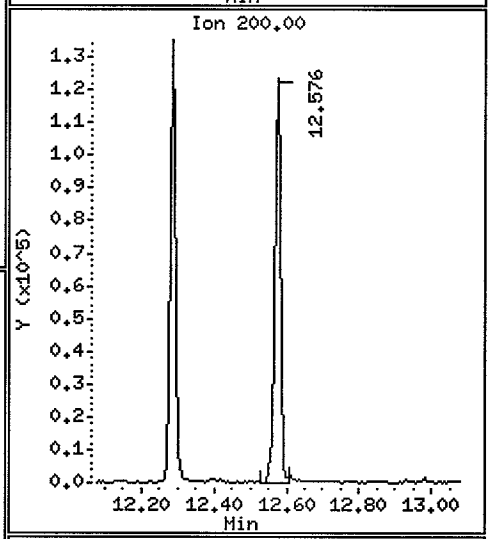


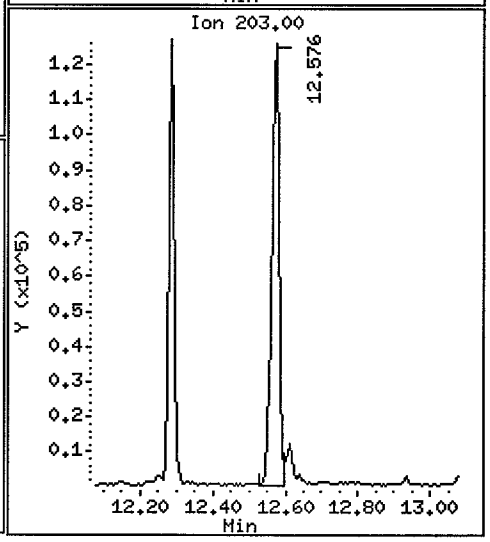












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

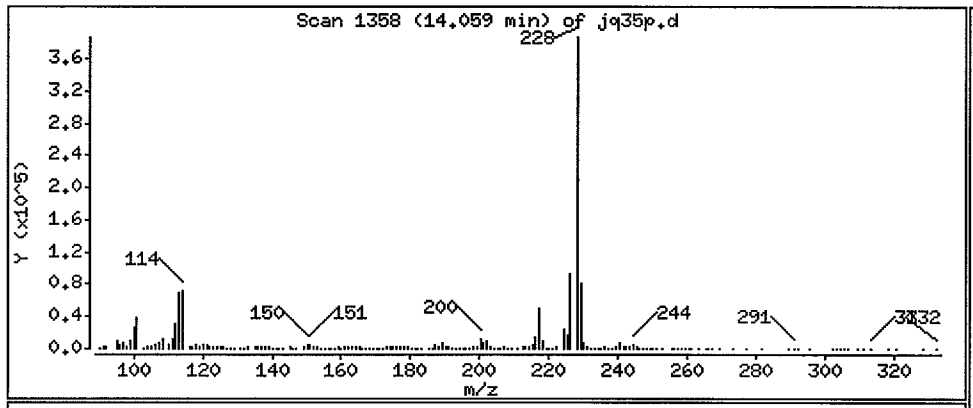
Operator: VTS

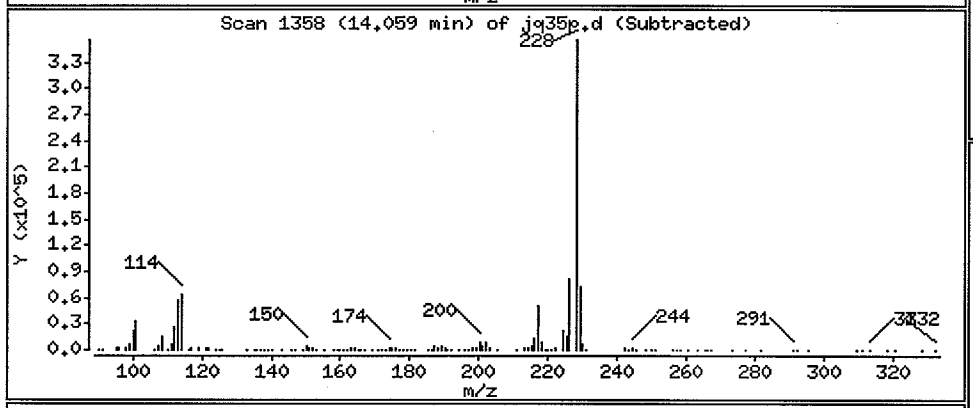
Column phase: ZB-5

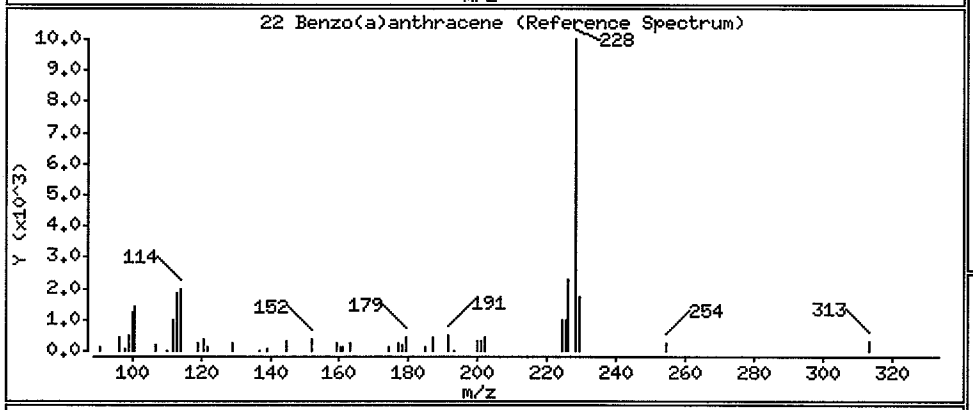
Column diameter: 0.25

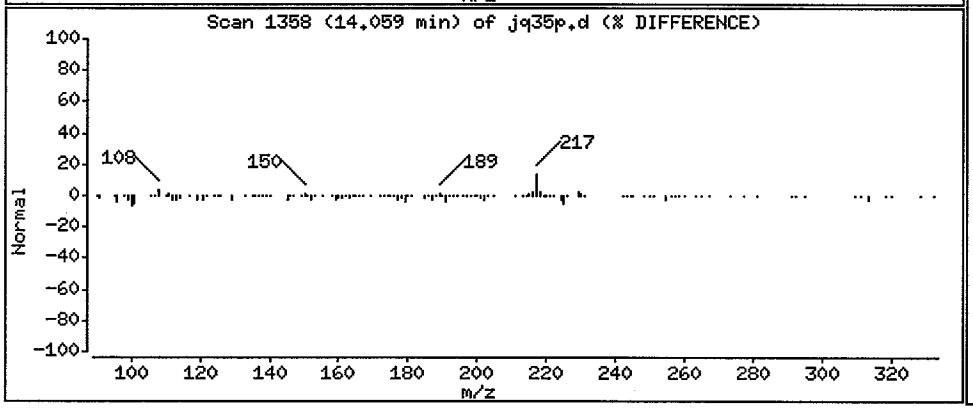
22 Benzo(a)anthracene

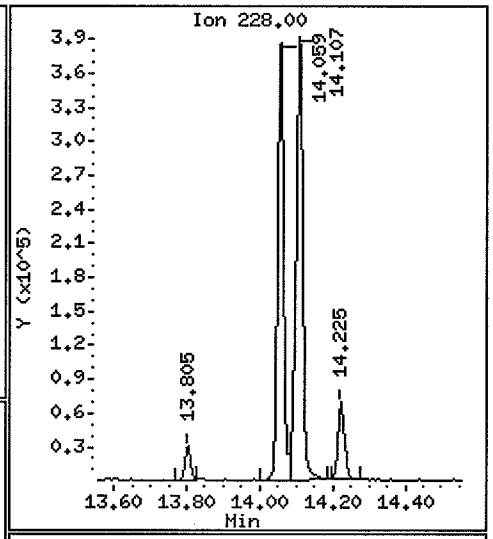
Concentration: 171.2 ug/kg

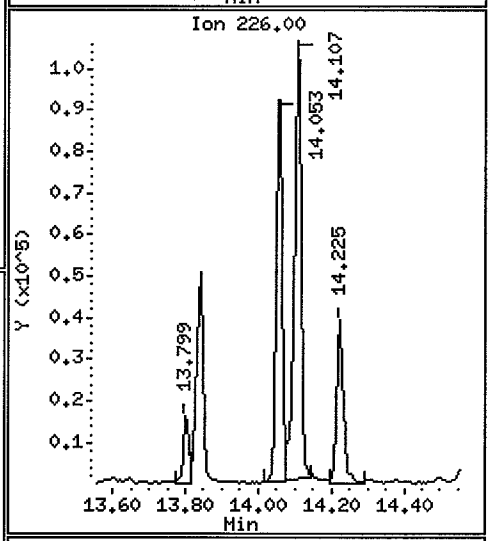


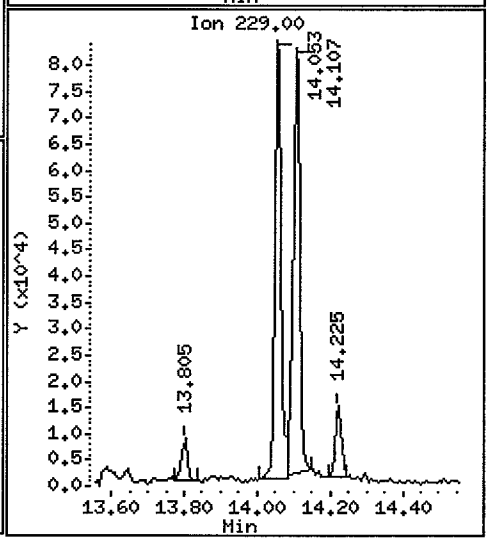












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

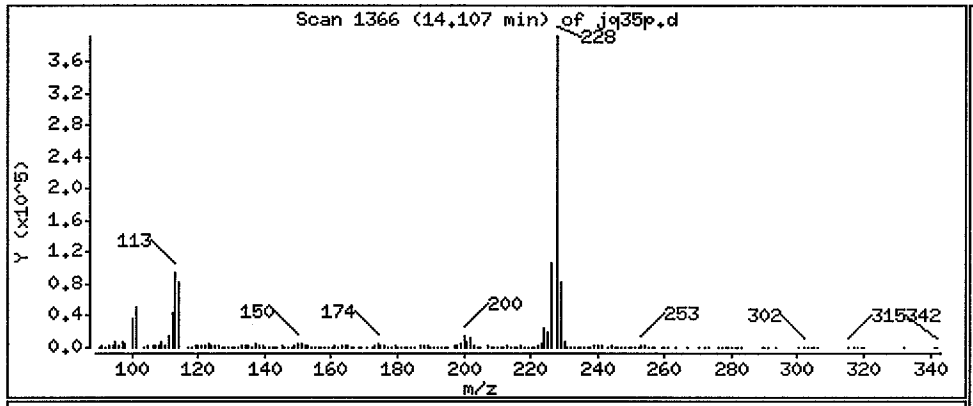
Operator: VTS

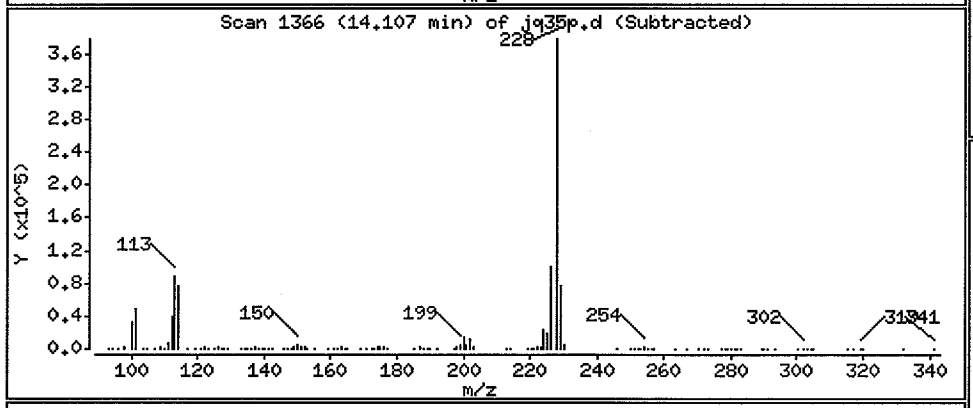
Column phase: ZB-5

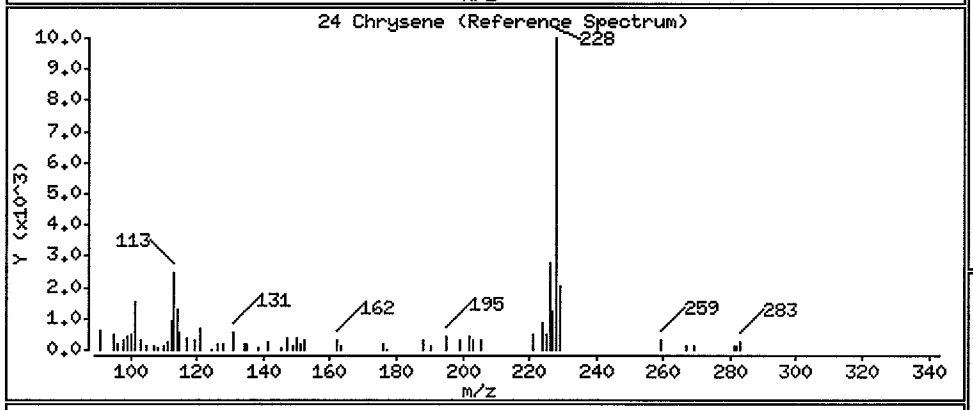
Column diameter: 0.25

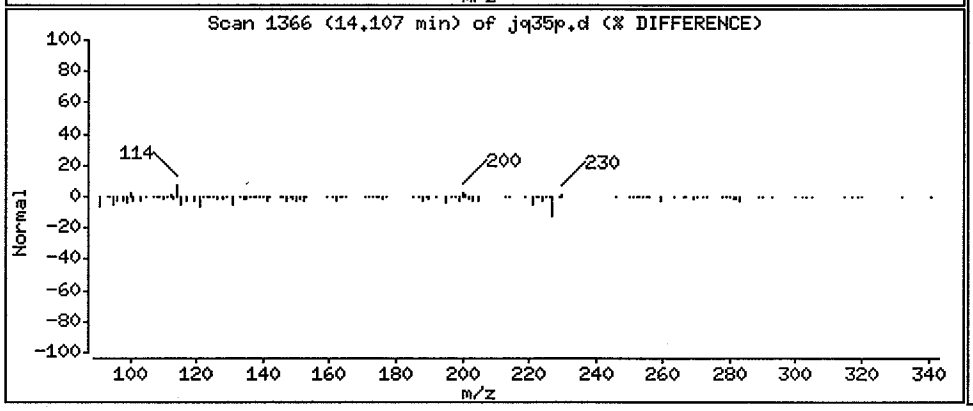
24 Chrysene

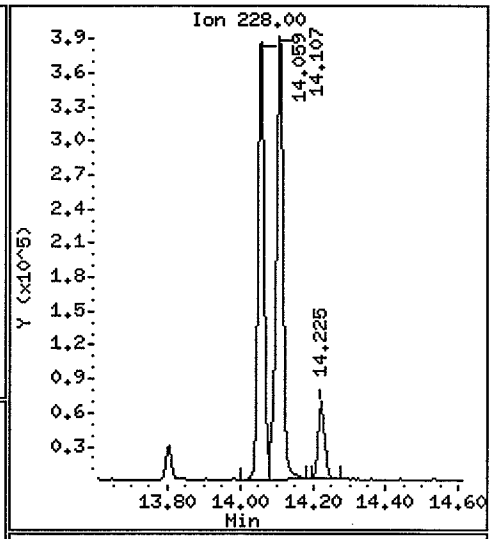
Concentration: 207.5 ug/kg

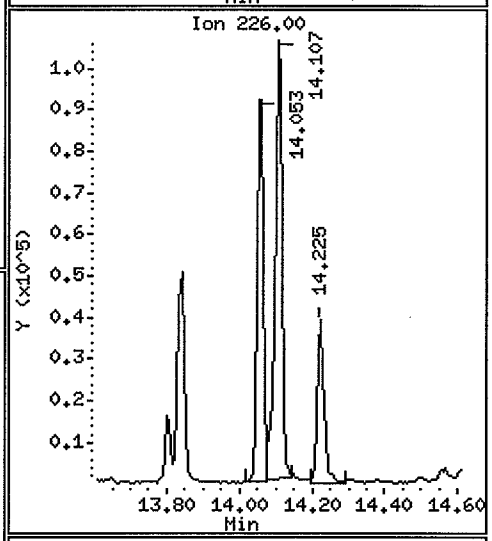


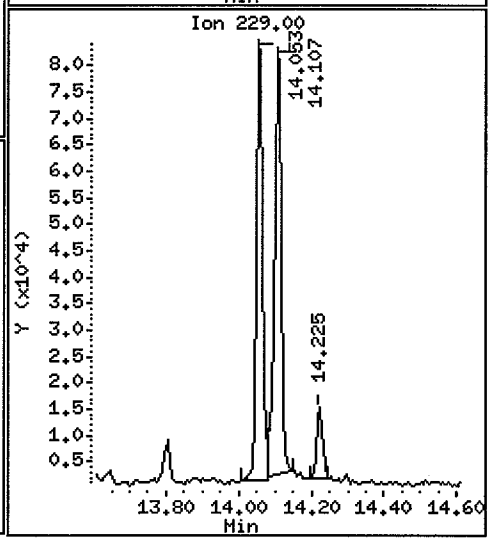












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

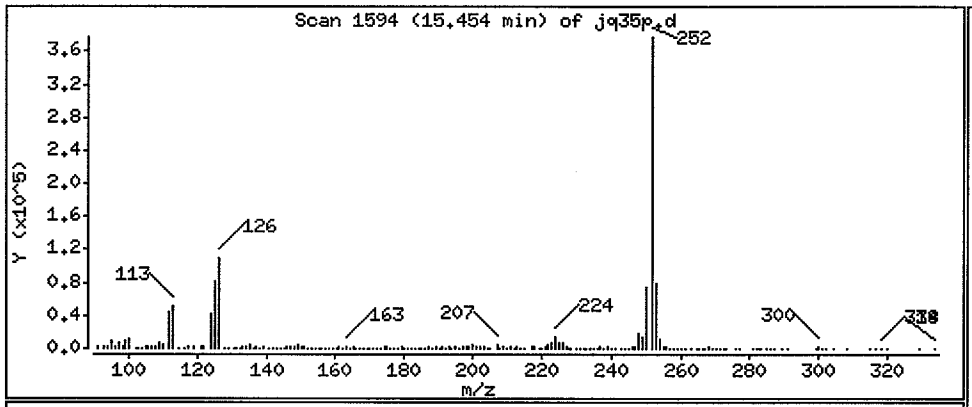
Operator: VTS

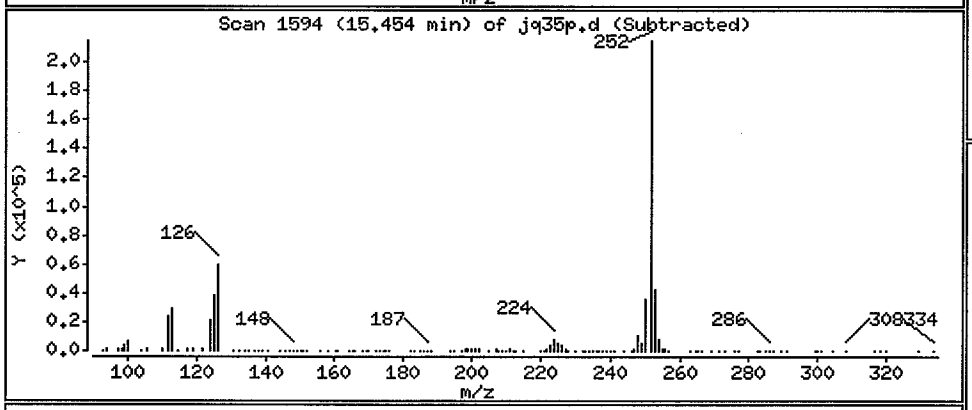
Column phase: ZB-5

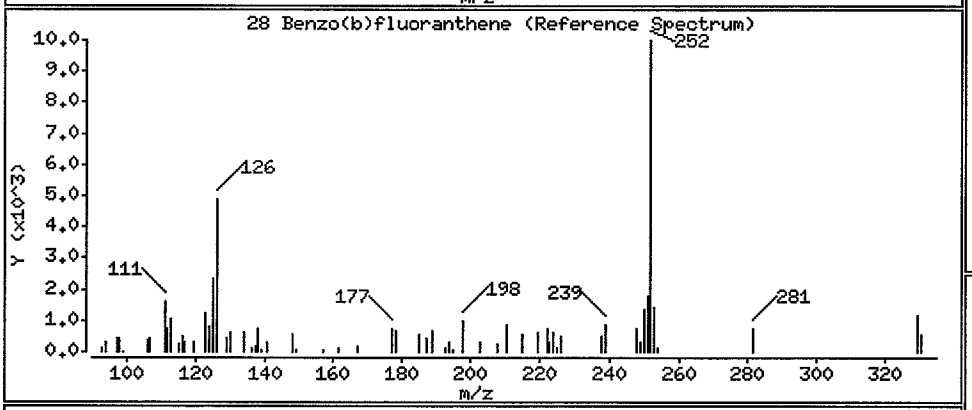
Column diameter: 0.25

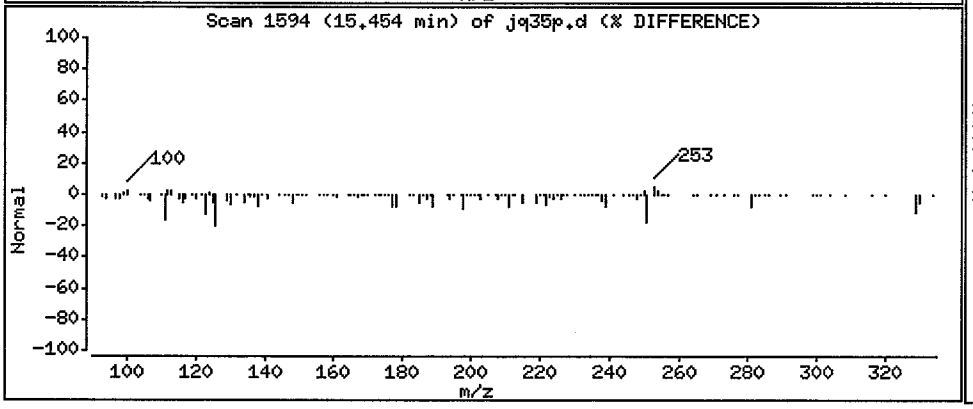
28 Benzo(b)fluoranthene

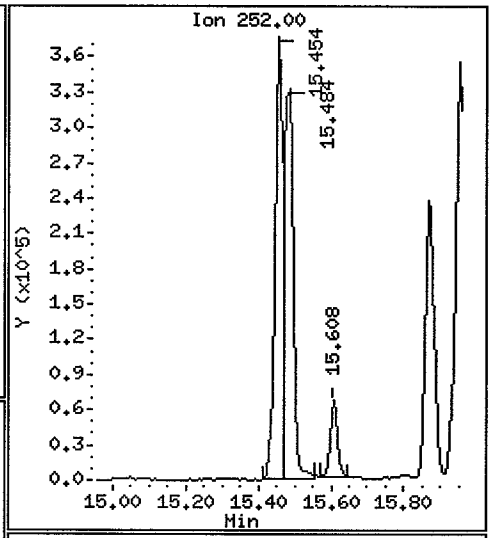
Concentration: 240.7 ug/kg

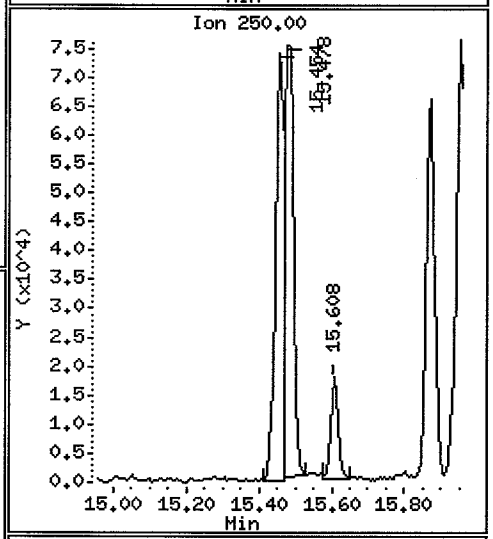


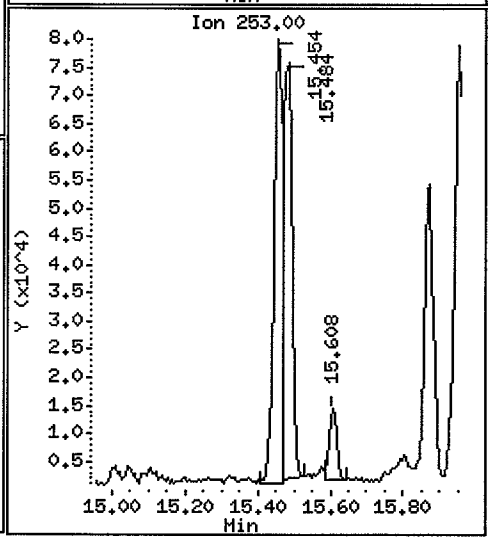












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

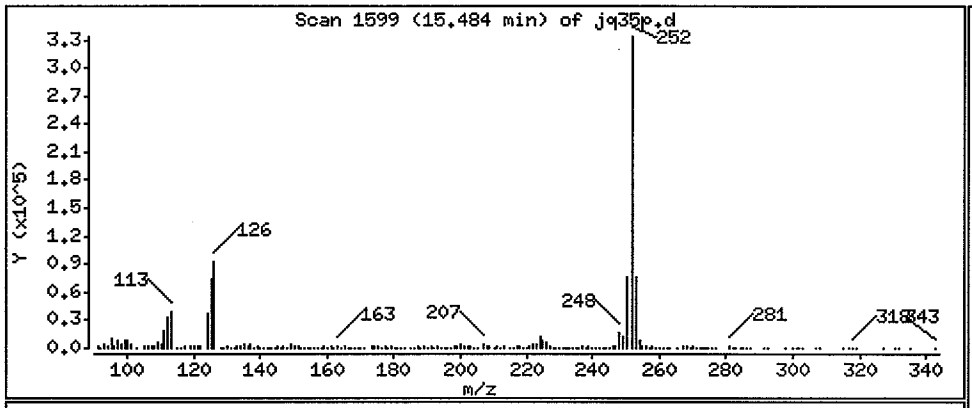
Operator: VTS

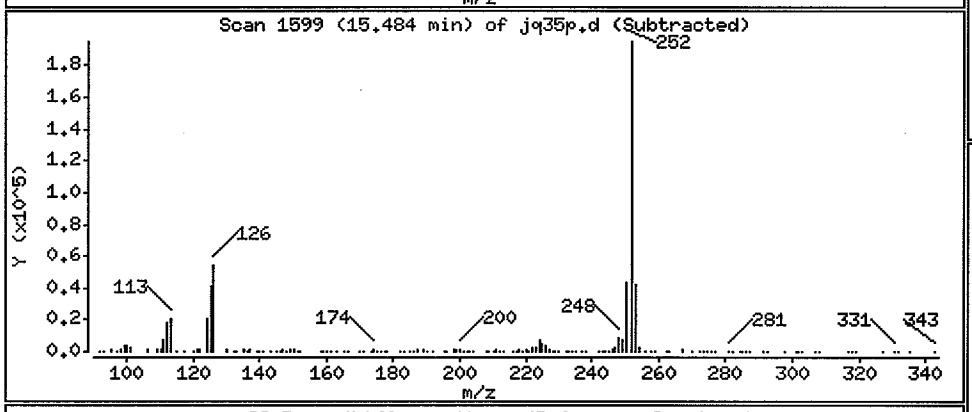
Column phase: ZB-5

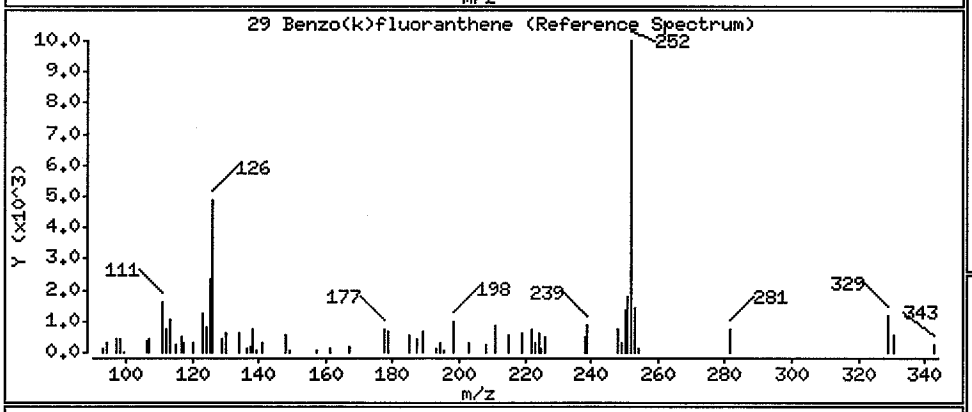
Column diameter: 0.25

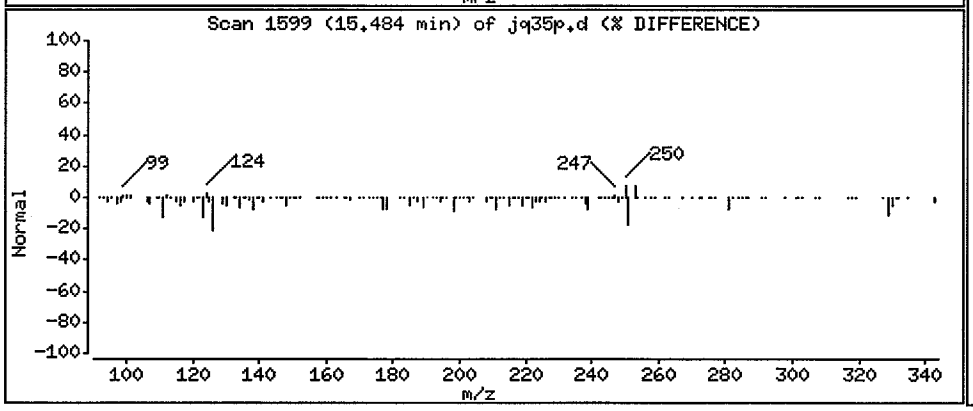
29 Benzo(k)fluoranthene

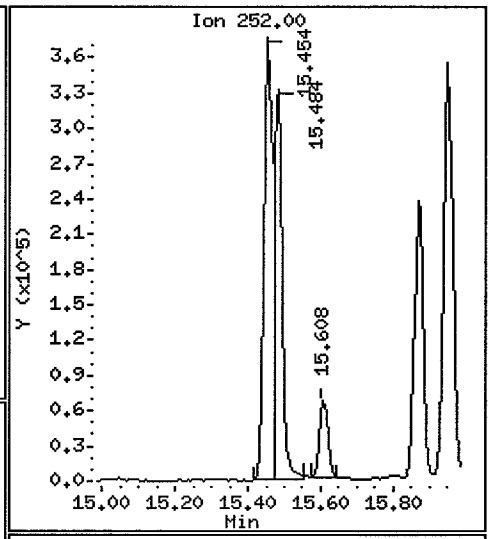
Concentration: 185.0 ug/kg

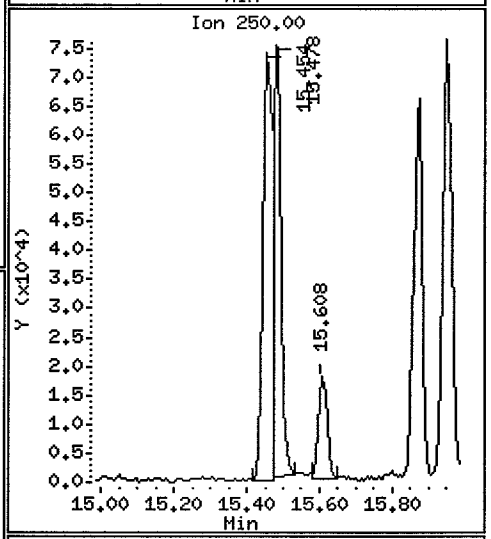


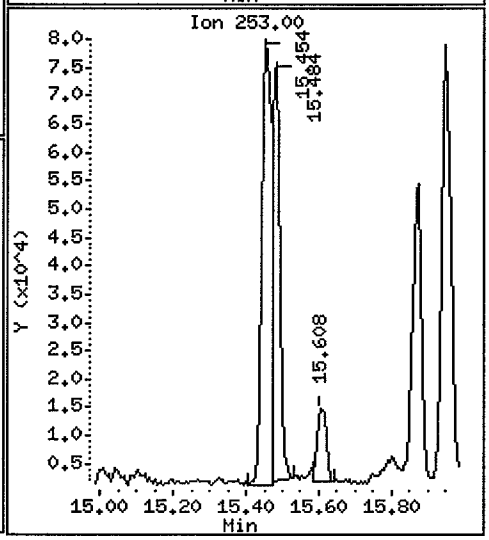












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

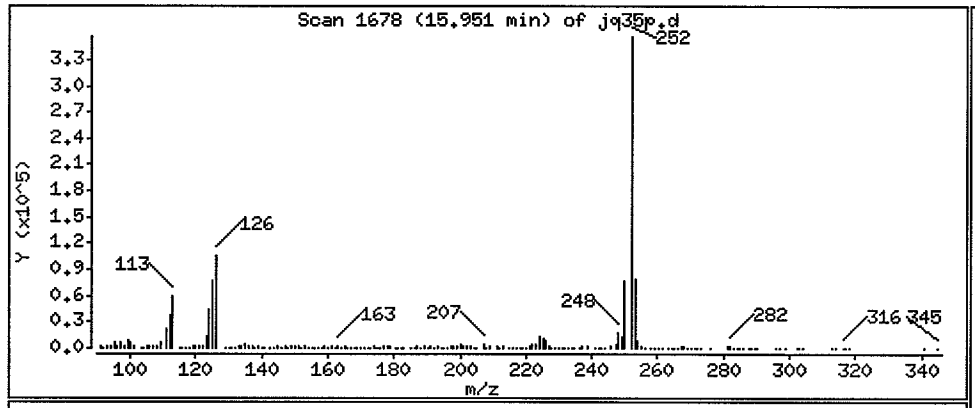
Operator: VTS

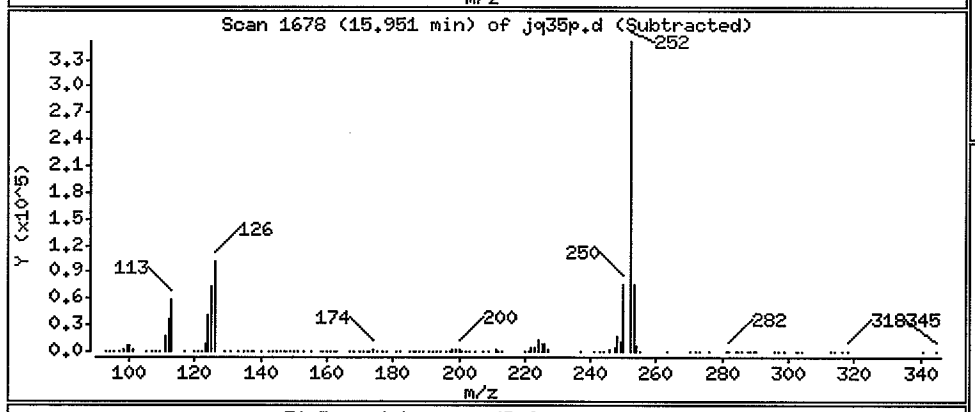
Column phase: ZB-5

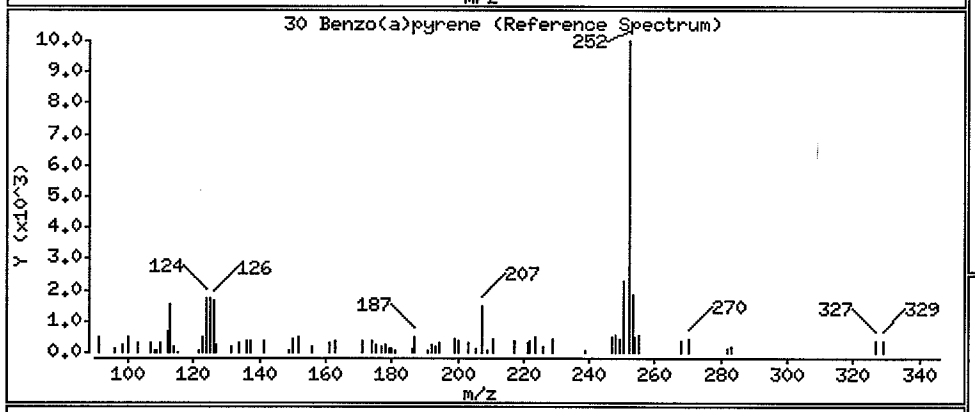
Column diameter: 0.25

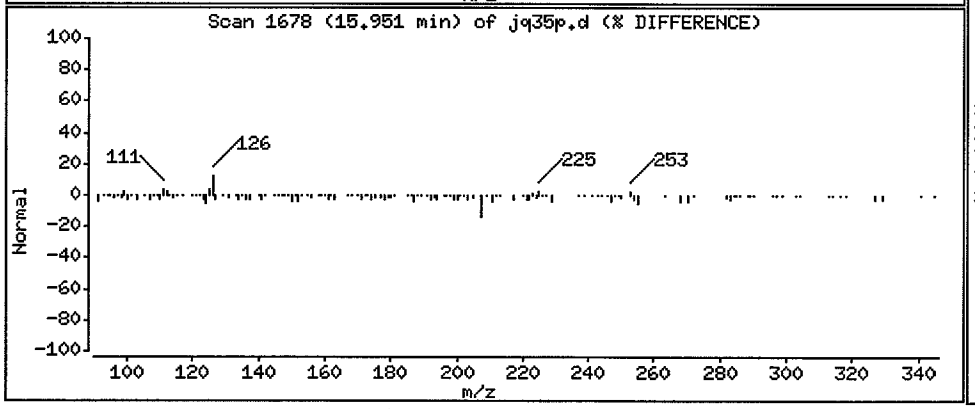
30 Benzo(a)pyrene

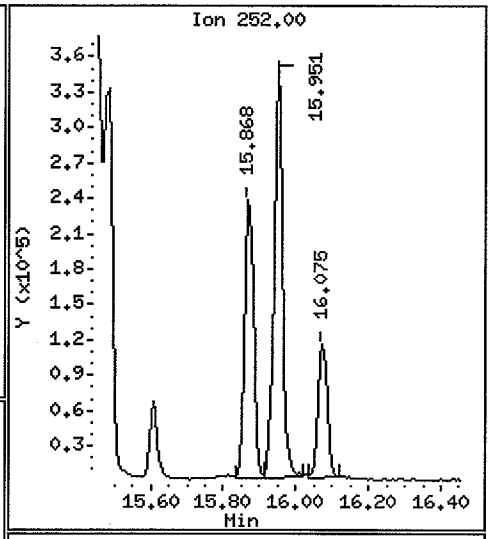
Concentration: 228.2 ug/kg

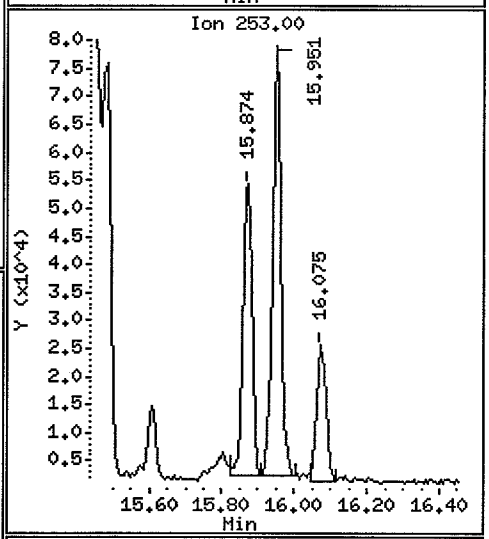


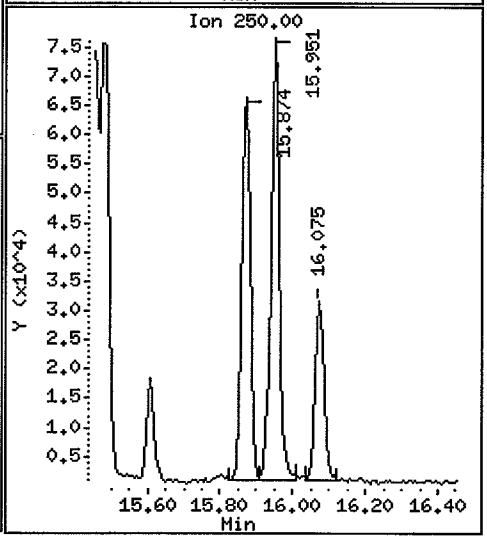












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

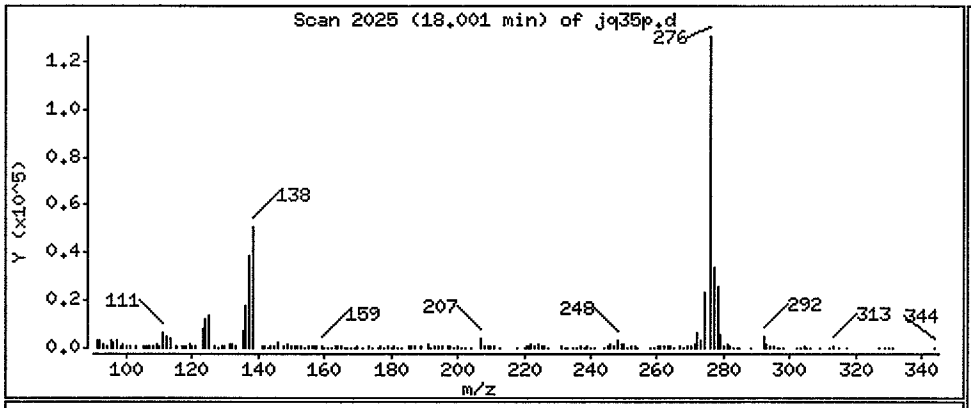
Operator: VTS

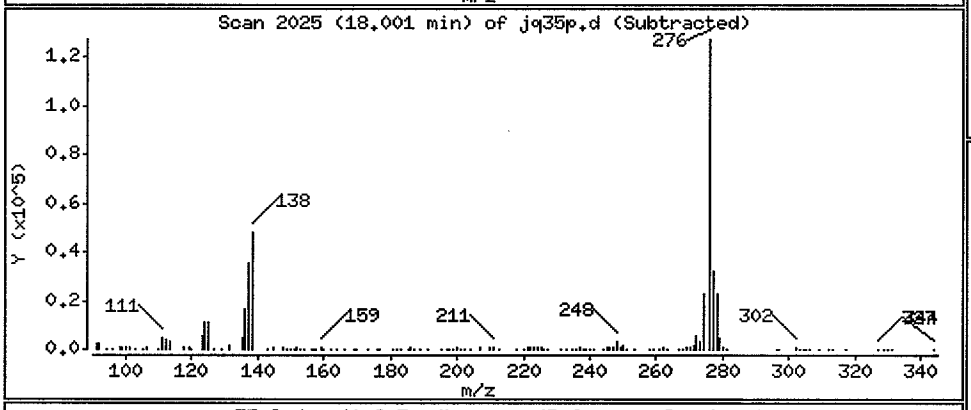
Column phase: ZB-5

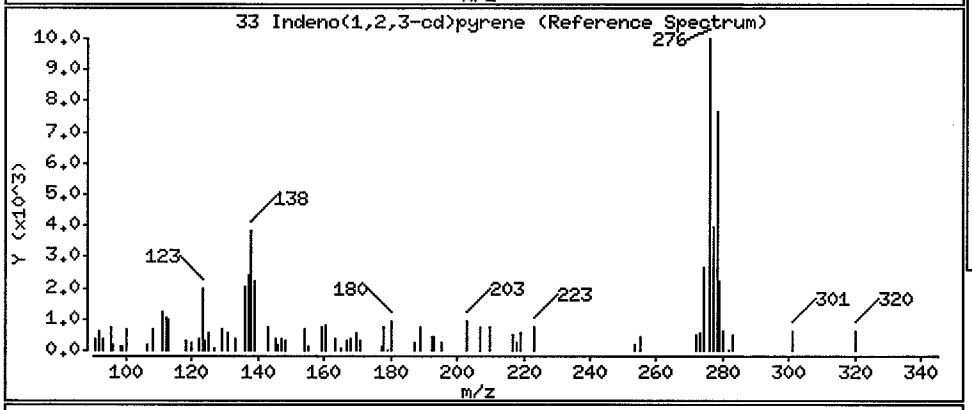
Column diameter: 0.25

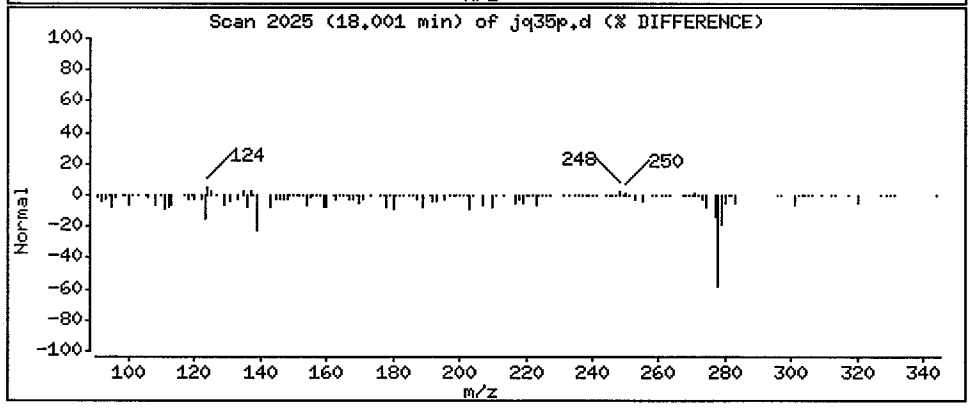
33 Indeno(1,2,3-cd)pyrene

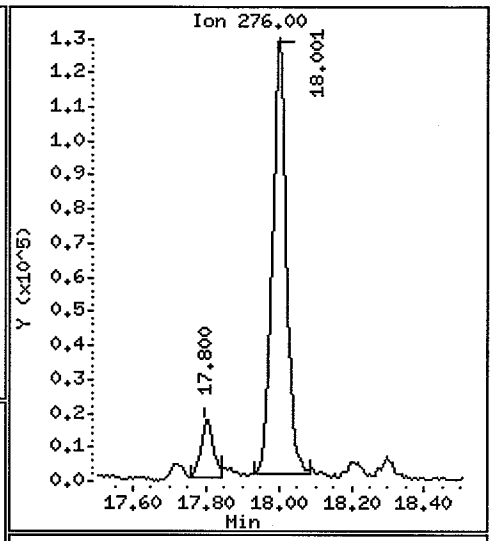
Concentration: 114.5 ug/kg

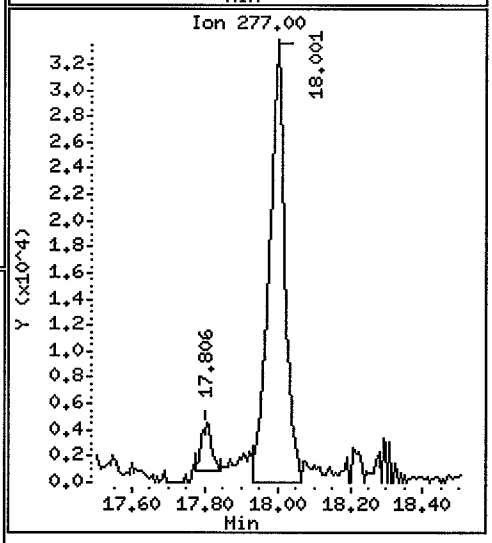












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

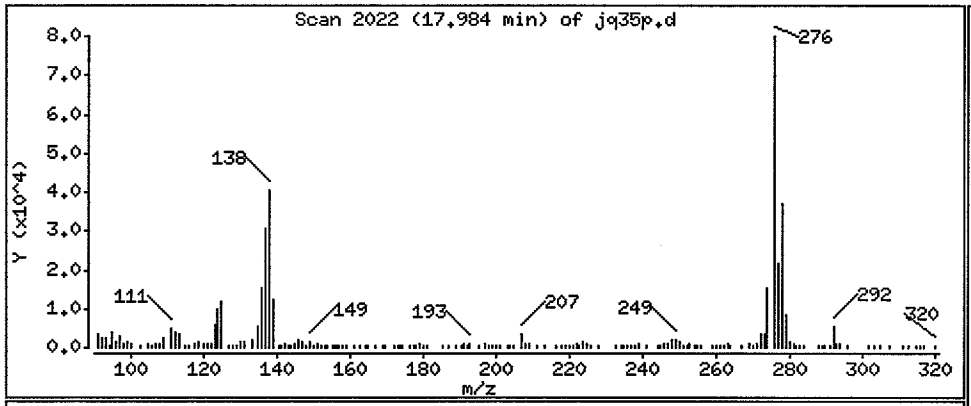
Operator: VTS

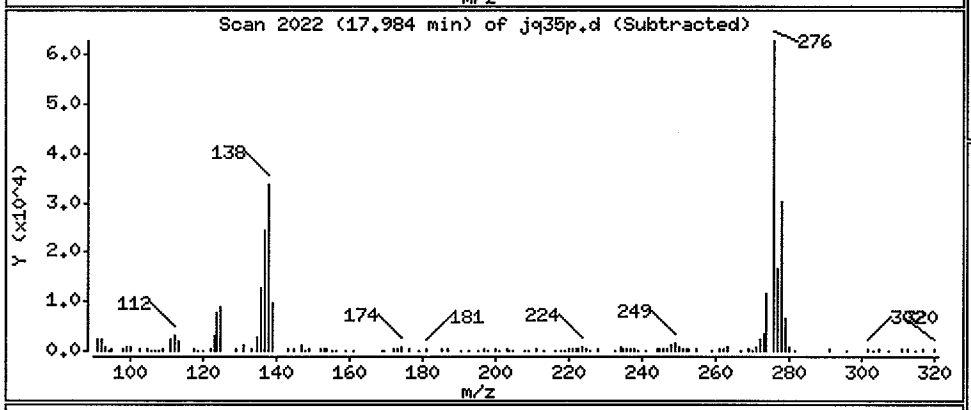
Column phase: ZB-5

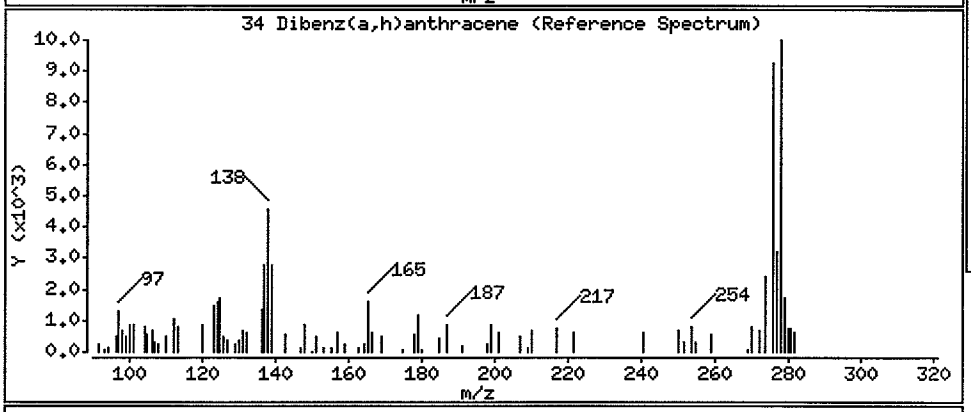
Column diameter: 0.25

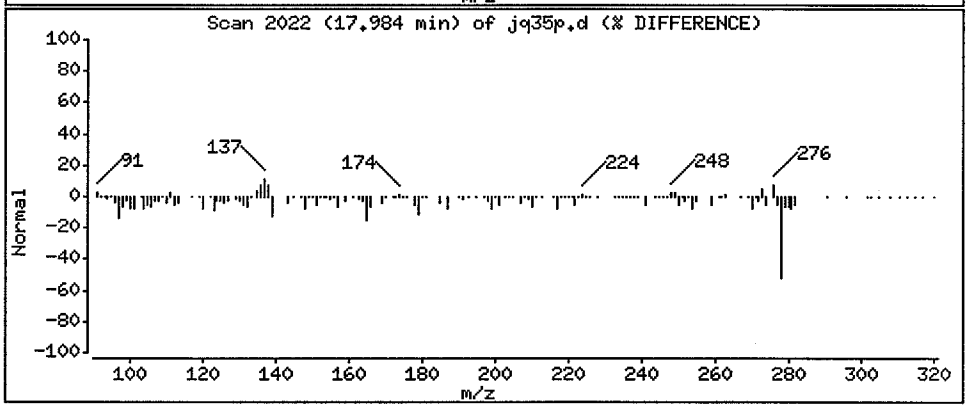
34 Dibenz(a,h)anthracene

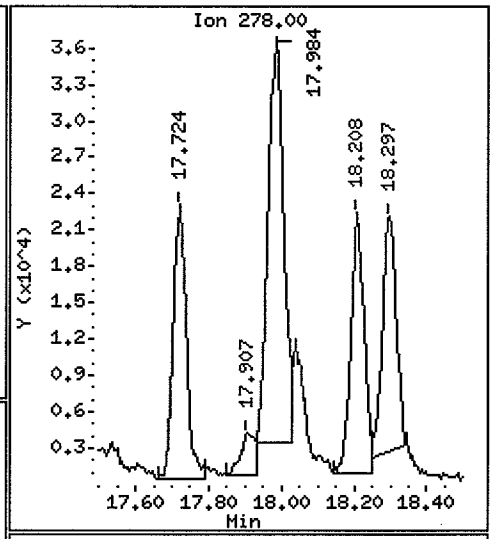
Concentration: 39.87 ug/kg

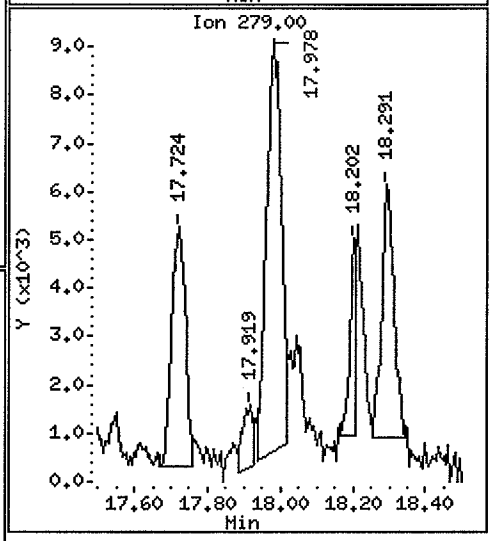












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

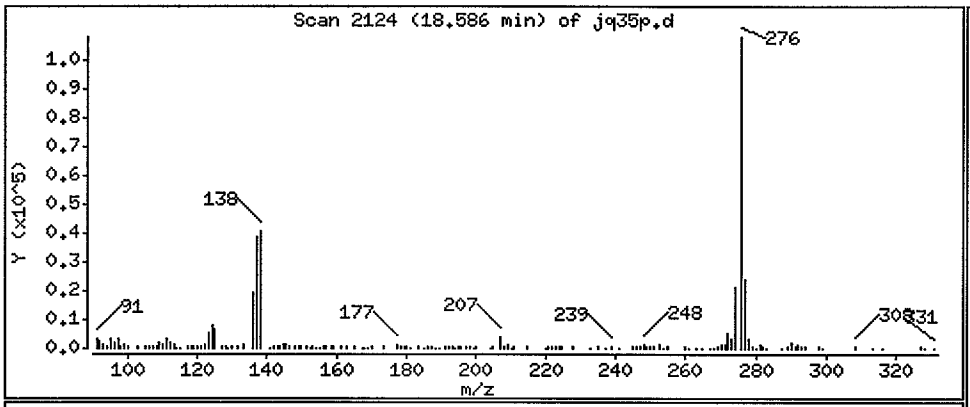
Operator: VTS

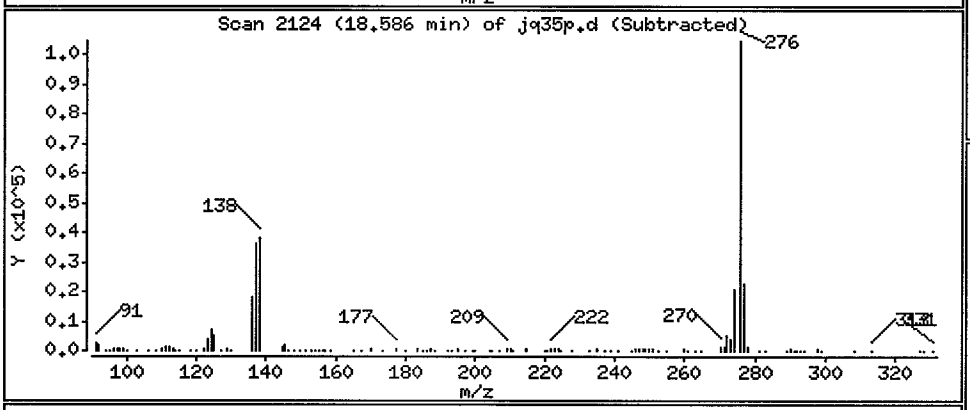
Column phase: ZB-5

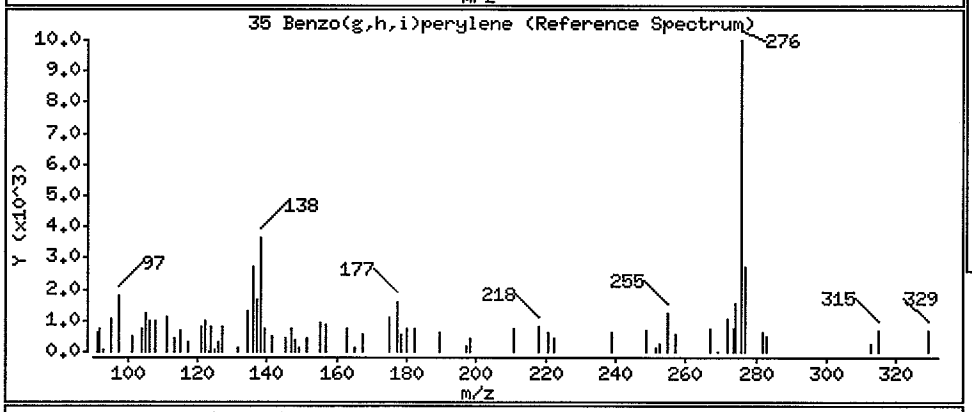
Column diameter: 0.25

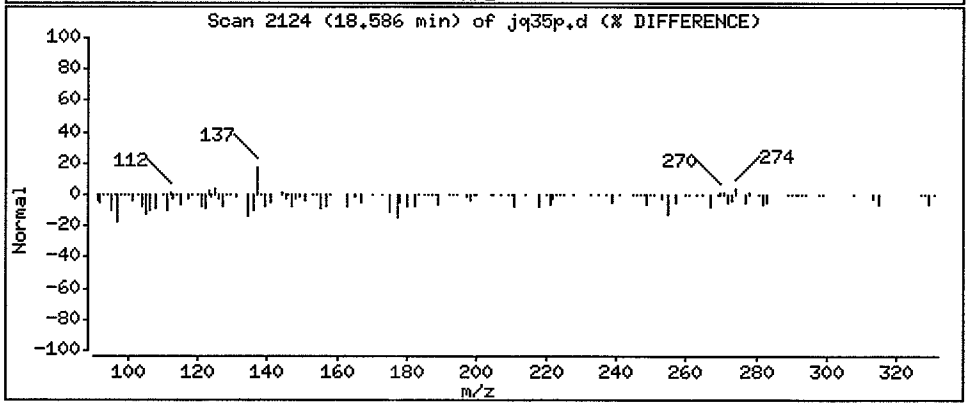
35 Benzo(g,h,i)perylene

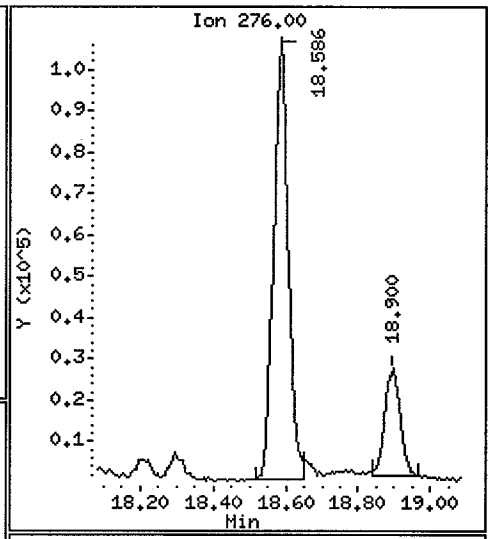
Concentration: 120.1 ug/kg

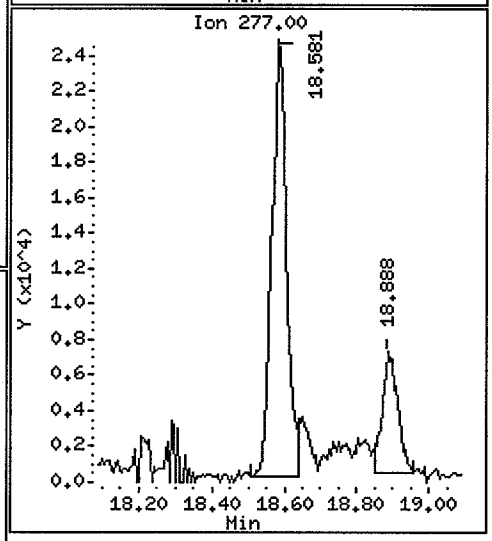












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

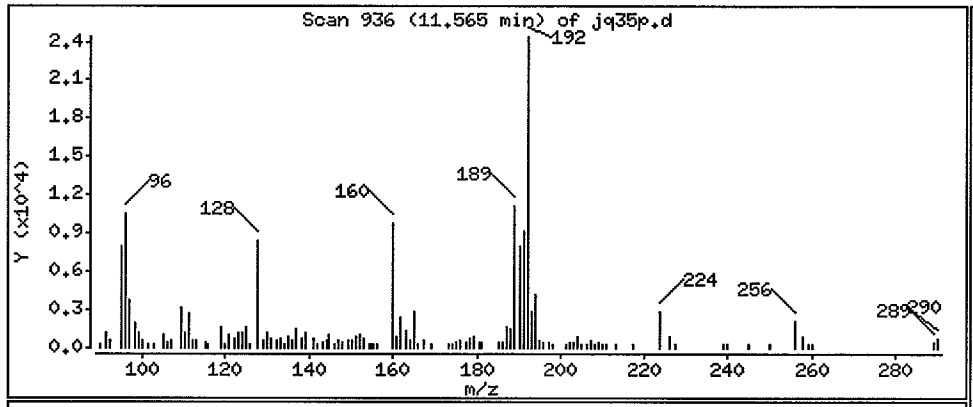
Operator: VTS

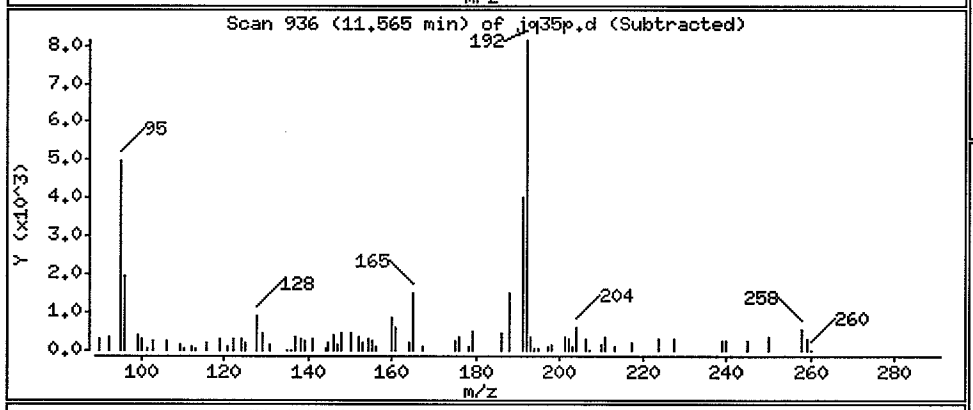
Column phase: ZB-5

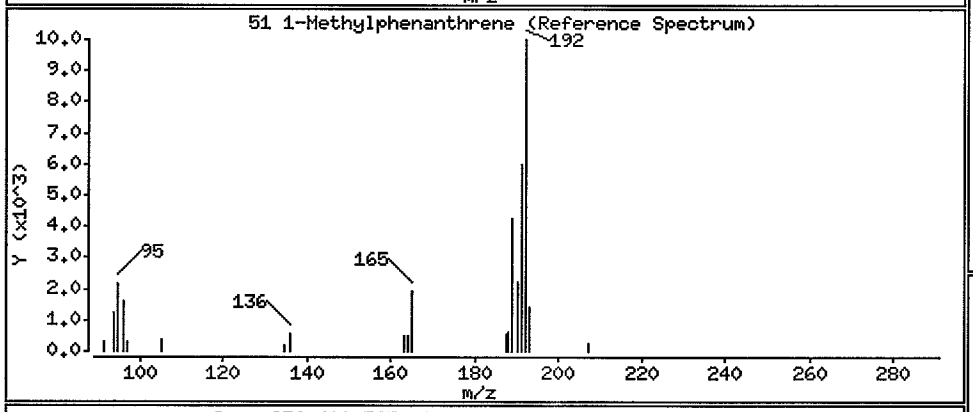
Column diameter: 0.25

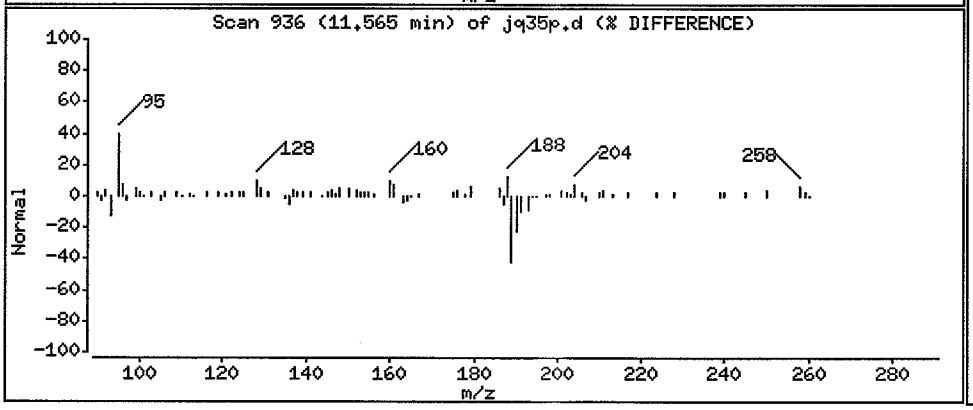
51 1-Methylphenanthrene

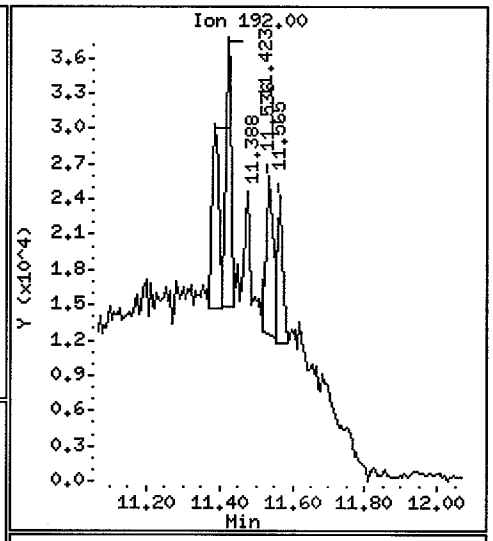
Concentration: 7.549 ug/kg

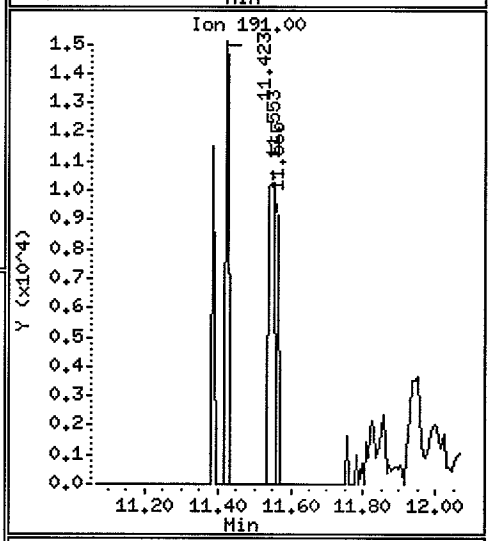


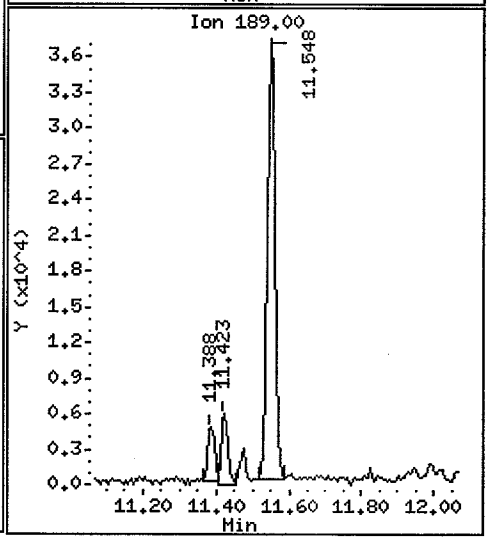












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

Sample Info: JQ35P

Volume Injected (uL): 1.0

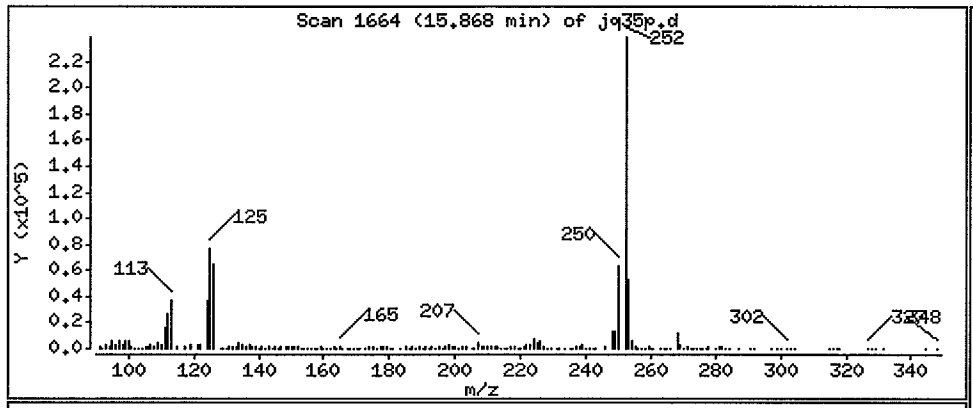
Operator: VTS

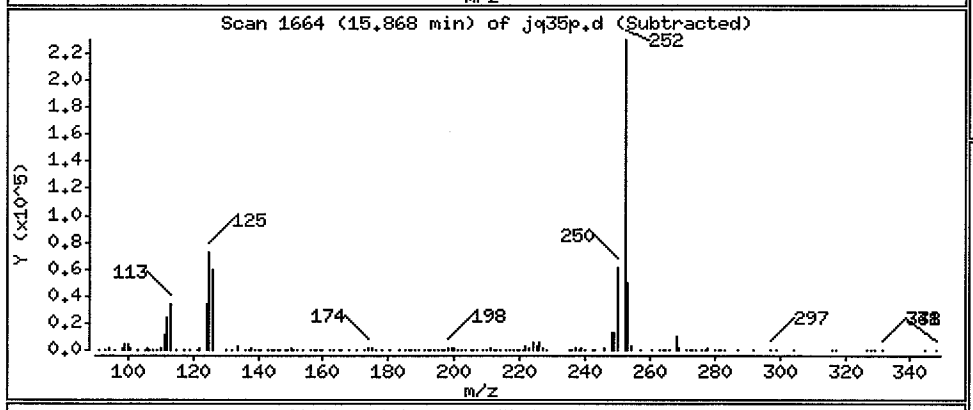
Column phase: ZB-5

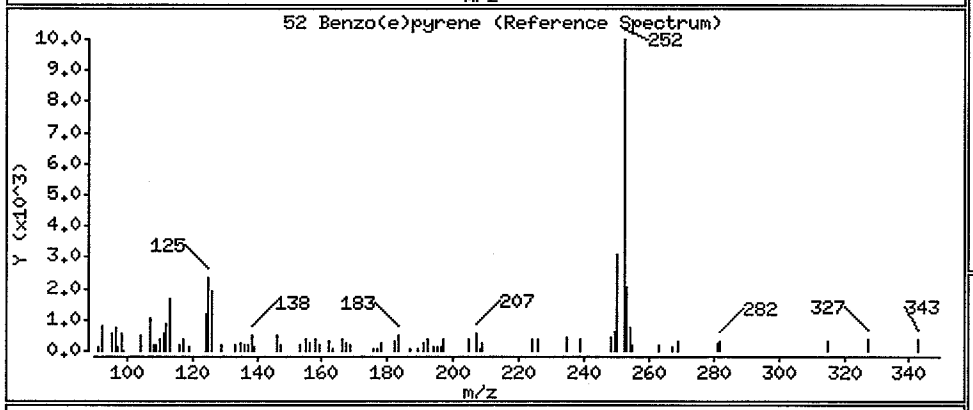
Column diameter: 0.25

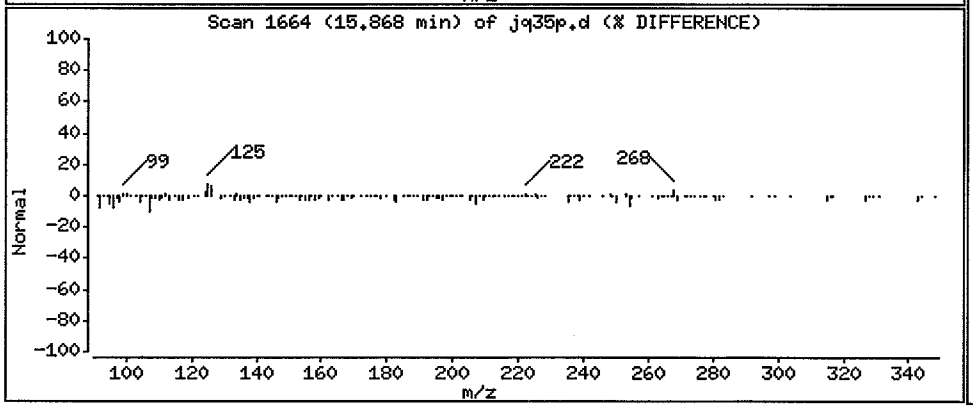
52 Benzo(e)pyrene

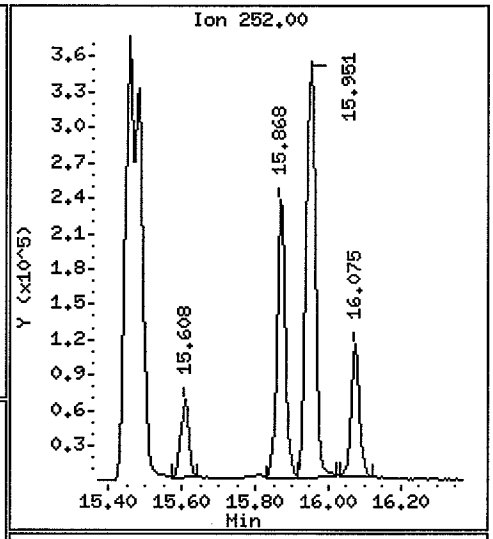
Concentration: 136.9 ug/kg

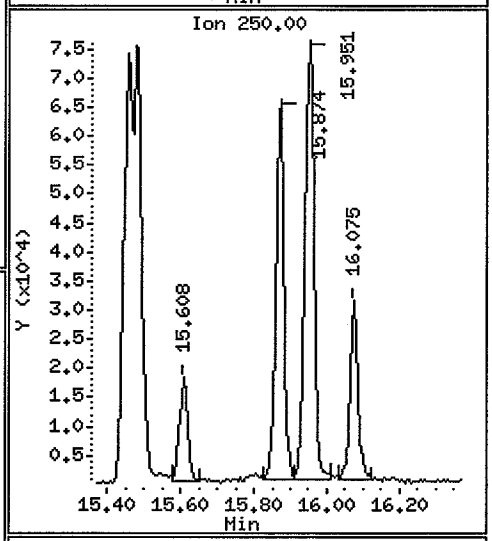


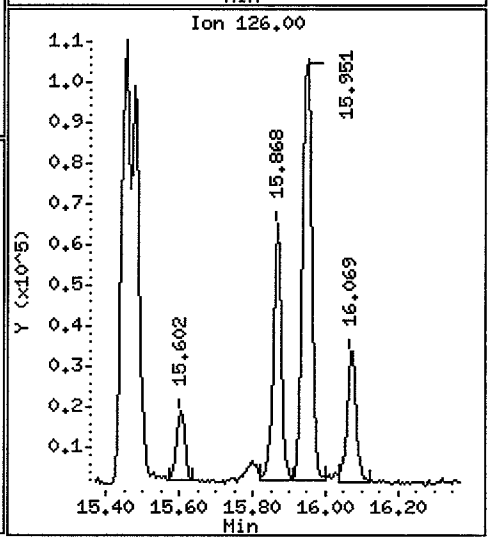












Data File: /chem3/nt1.i/20060807.b/jq35p.d

Date : 07-AUG-2006 20:46

Client ID: T4-S3-08-C

Instrument: nt1.i

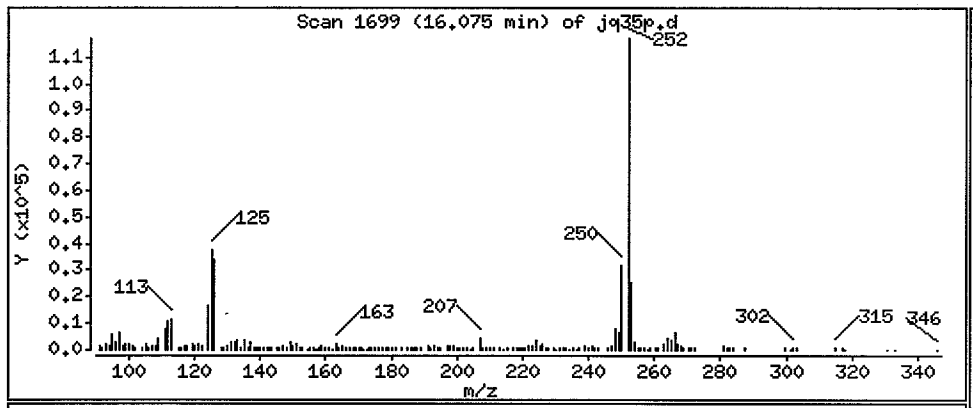
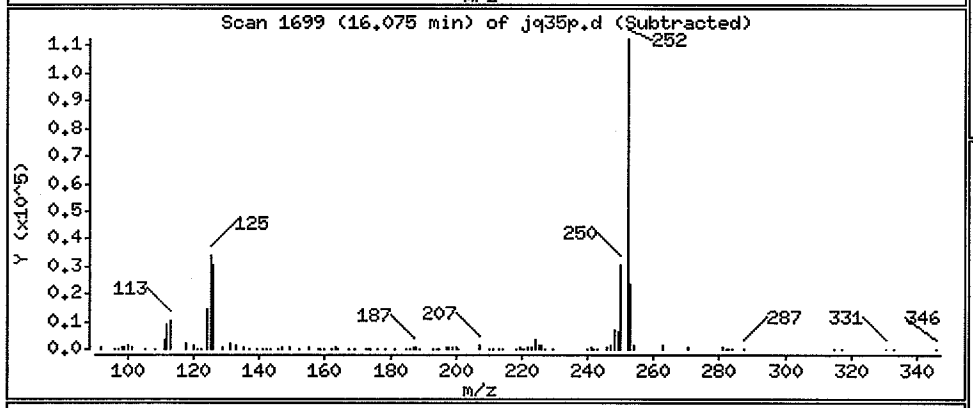
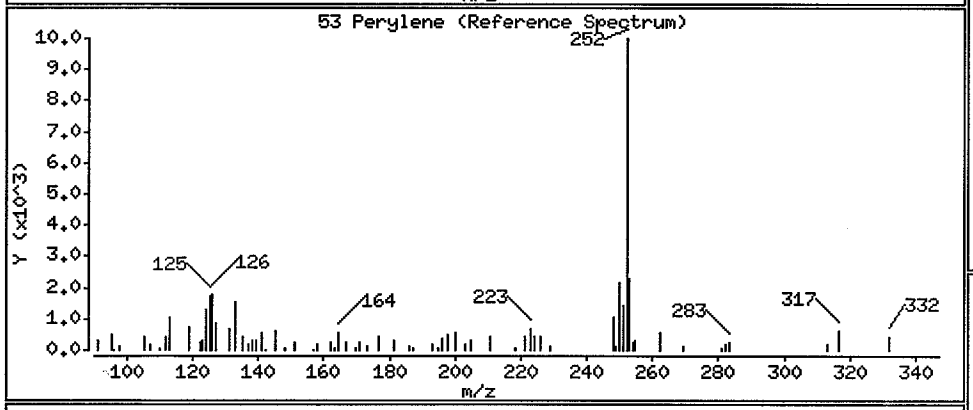
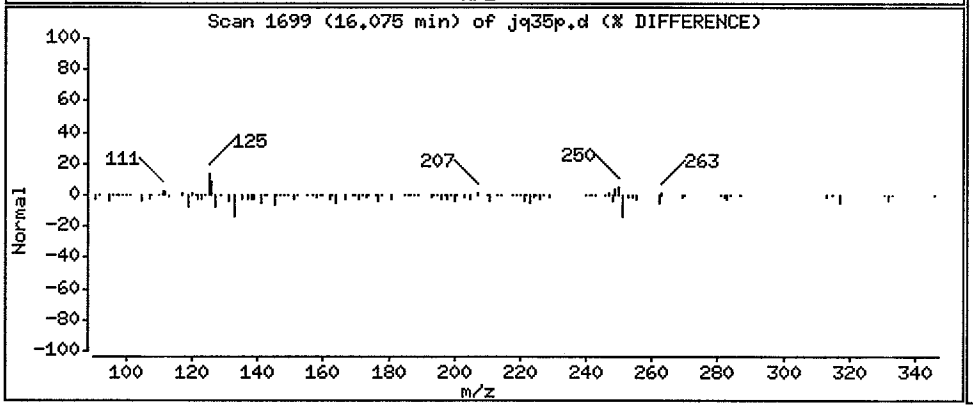
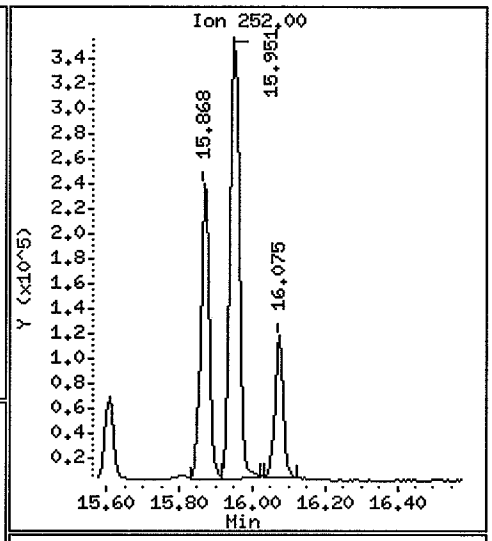
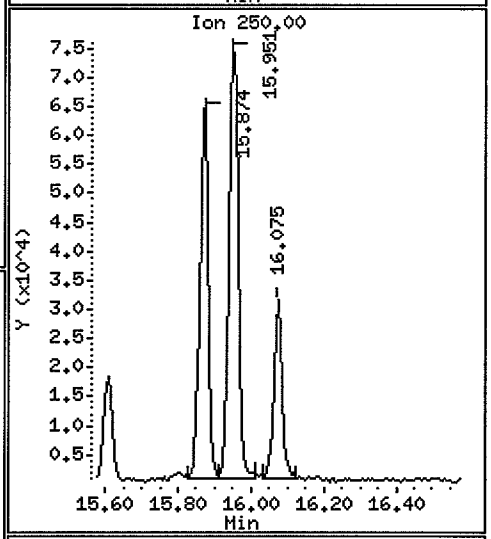
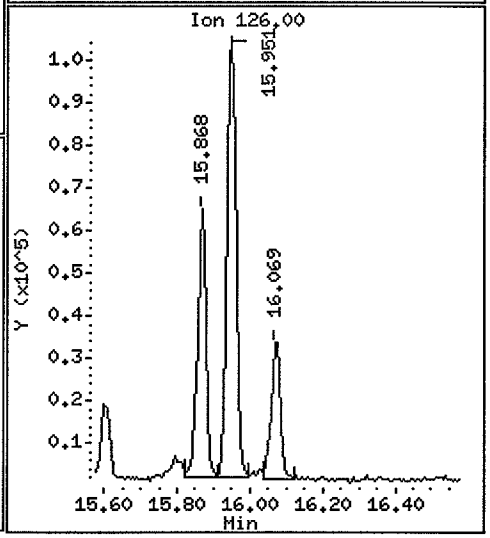
Sample Info: JQ35P

Volume Injected (uL): 1.0

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

53 Perylene

Concentration: 70.44 ug/kg