SIM Semivolatile Analysis
Standard Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ33

prepared
by

Analytical Resources, Inc.

SEMIVOLATILE 8270-C INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

ARI Job No: JQ33 Project: T4EARLY ACTION

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

LAB FILE ID: RRF0.1=IC0803C RRF0.5=IC0806F RRF1 =IC0805E
RRF2.5=IC0803A RRF5 =IC0804D RRF10 =IC0803B

COMPOUND	RRF 0.1	RRF 0.5	RRF 1	RRF 2.5	RRF 5	RRF 10	$\overline{RRF}$	%RSD /R^2	
Naphthalene	1.125	1.009	0.898	0.958	1.001	0.994	0.998	7.5	
2-Methylnaphthalene	0.636	0.615	0.537	0.567	0.593	0.597	0.591	5.9	
Acenaphthylene	1.765	1.619	1.511	1.610	1.706	1.737	1.658	5.7	
Acenaphthene	1.004	1.013	0.898	0.950	1.004	1.023	0.982	4.9	*
Dibenzofuran	1.533	1.457	1.329	1.387	1.485	1.488	1.446	5.2	
Fluorene	1.136	1.180	1.026	1.065	1.172	1.178	1.126	5.8	
Phenanthrene	1.174	1.043	0.929	0.957	1.022	1.035	1.027	8.3	
Anthracene	1.114	0.977	0.949	0.974	1.067	1.074	1.026	6.6	
Fluoranthene	1.224	1.032	0.972	0.977	1.043	1.034	1.047	8.8	*
Pyrene	1.414	1.299	1.172	1.225	1.323	1.272	1.284	6.5	
Benzo(a)anthracene	1.436	1.152	1.085	1.148	1.213	1.192	1.204	10.1	
Chrysene	1.209	1.066	1.057	1.069	1.136	1.129	1.111	5.3	
Benzo(b)fluoranthene	1.255	1.066	0.993	1.151	1.170	1.136	1.128	8.0	
Benzo(k)fluoranthene	1.270	1.230	1.147	1.067	1.196	1.310	1.203	7.3	
Benzo(a)pyrene	1.404	1.047	0.964	1.011	1.066	1.108	1.100	14.2	*
Indeno(1,2,3-cd)pyrene	1.442	1.213	1.124	1.220	1.292	1.298	1.265	8.5	
Dibenz(a,h)anthracene	1.149	0.983	0.900	0.998	1.088	1.082	1.033	8.7	
Benzo(g,h,i)perylene	1.183	1.008	0.921	1.012	1.102	1.082	1.051	8.6	
1-Methylnaphthalene	0.700	0.601	0.573	0.594	0.631	0.619	0.620	7.1	
Biphenyl	1.319	1.232	1.166	1.161	1.274	1.262	1.236	5.1	
2,6-Dimethylnaphthalene	0.995	0.973	0.908	0.930	1.006	1.027	0.973	4.7	
2,3,5-Trimethylnaphthalene	0.844	0.792	0.734	0.769	0.831	0.813	0.797	5.2	
1-Methylphenanthrene	0.809	0.827	0.760	0.786	0.890	0.839	0.818	5.5	
Benzo(e)pyrene	1.531	1.132	1.076	1.146	1.202	1.217	1.217	13.3	
Perylene	1.431	1.091	0.966	1.050	1.159	1.162	1.143	13.9	
2-Methylnaphthalene-d10	0.529	0.518	0.474	0.506	0.540	0.523	0.515	4.5	
Dibenz(a,h)anthrancene-d14	0.819	0.739	0.678	0.757	0.800	0.799	0.765	6.8	

* Compounds with maximum %RSD = 30%
~ Compounds with minimum average RRF = .05
<- Outside QC limits

FORM VI SV-1

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 04-AUG-2006 10:25
End Cal Date : 04-AUG-2006 12:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt1.i/20060804.b/simpna.m
Cal Date : 04-Aug-2006 14:06 yev
Curve Type : Average

Calibration File Names:
Level 1: /chem3/nt1.i/20060804.b/ic0803c.d
Level 2: /chem3/nt1.i/20060804.b/ic0806f.d
Level 3: /chem3/nt1.i/20060804.b/ic0805e.d
Level 4: /chem3/nt1.i/20060804.b/ic0803a.d
Level 5: /chem3/nt1.i/20060804.b/ic0804d.d
Level 6: /chem3/nt1.i/20060804.b/ic0803b.d

Compound	0.10000 Level 1	0.50000 Level 2	1.000 Level 3	2.500 Level 4	5.000 Level 5	10.000 Level 6	___ RRF	% RSD
53 Perylene	1.43115	1.09078	0.96639	1.04957	1.15866	1.16206	1.14310	13.903
52 Benzo(e)pyrene	1.53090	1.13190	1.07658	1.14554	1.20260	1.21723	1.21746	13.286
51 1-Methylphenanthrene	0.80940	0.82731	0.76038	0.78604	0.89011	0.83876	0.81867	5.498
50 2,3,5-Trimethylnaphthalene	0.84431	0.79178	0.73359	0.76892	0.83141	0.81303	0.79717	5.177
49 2,6-Dimethylnaphthalene	0.99510	0.97266	0.90848	0.92961	1.00646	1.02718	0.97325	4.728
48 Biphenyl	1.31930	1.23199	1.16604	1.16092	1.27363	1.26234	1.23570	5.066
2 Naphthalene	1.12466	1.00931	0.89847	0.95812	1.00108	0.99392	0.99759	7.460
4 2-Methylnaphthalene	0.63581	0.61473	0.53693	0.56716	0.59303	0.59702	0.59078	5.914
5 1-Methylnaphthalene	0.69976	0.60112	0.57333	0.59404	0.63094	0.61897	0.61969	7.104
6 Dimethylphthalate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
7 Acenaphthylene	1.76463	1.61945	1.51099	1.61007	1.70647	1.73743	1.65817	5.748
9 Acenaphthene	1.00382	1.01322	0.89794	0.94982	1.00430	1.02309	0.98203	4.934
10 Dibenzofuran	1.53264	1.45734	1.32913	1.38669	1.48525	1.48803	1.44651	5.184
11 Fluorene	1.13564	1.17974	1.02653	1.06502	1.17154	1.17805	1.12609	5.806
12 Diethylphthalate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
14 Pentachlorophenol(ester)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
16 Phenanthrene	1.17361	1.04291	0.92905	0.95712	1.02196	1.03476	1.02657	8.301
17 Anthracene	1.11351	0.97721	0.94890	0.97457	1.06714	1.07399	1.02589	6.557
18 Di-n-butylphthalate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
19 Fluoranthene	1.22401	1.03219	0.97216	0.97724	1.04303	1.03381	1.04707	8.775
20 Pyrene	1.41389	1.29929	1.17234	1.22526	1.32300	1.27178	1.28426	6.486

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 04-AUG-2006 10:25
End Cal Date : 04-AUG-2006 12:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt1.i/20060804.b/simpna.m
Cal Date : 04-Aug-2006 14:06 yev
Curve Type : Average

Compound	0.10000 Level 1	0.50000 Level 2	1.000 Level 3	2.500 Level 4	5.000 Level 5	10.000 Level 6	___ RRF	% RSD
21 Butylbenzylphthalate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
22 Benzo(a)anthracene	1.43622	1.15219	1.08471	1.14797	1.21336	1.19178	1.20437	10.116
24 Chrysene	1.20866	1.06599	1.05663	1.06862	1.13615	1.12909	1.11086	5.291
25 Bis-2-Ethylhexylphthalate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
26 Di-n-octylphthalate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
28 Benzo(b)fluoranthene	1.25514	1.06653	0.99327	1.15143	1.17026	1.13589	1.12875	7.972
29 Benzo(k)fluoranthene	1.27028	1.22994	1.14696	1.06693	1.19633	1.30970	1.20336	7.277
30 Benzo(a)pyrene	1.40367	1.04692	0.96366	1.01073	1.06659	1.10759	1.09986	14.247
33 Indeno(1,2,3-cd)pyrene	1.44180	1.21286	1.12410	1.22023	1.29241	1.29763	1.26484	8.489
34 Dibenz(a,h)anthracene	1.14880	0.98346	0.89994	0.99790	1.08788	1.08172	1.03328	8.676
35 Benzo(g,h,i)perylene	1.18275	1.00751	0.92124	1.01235	1.10231	1.08228	1.05141	8.633
$ 3 2-Methylnaphthalene-d10	0.52948	0.51807	0.47369	0.50637	0.54023	0.52298	0.51514	4.511
$ 13 2,4,6-Tribromophenol(ester)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 32 Dibenz(a,h)anthrancene-d14	0.81924	0.73944	0.67786	0.75717	0.79969	0.79896	0.76539	6.816

YZ 8/4/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/ic0803a.d
Lab Smp Id: IC0803A
Inj Date : 04-AUG-2006 10:25
Operator : VTS Inst ID: nt1.i
Smp Info : IC0803A
Misc Info : SIM2.5
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:06 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 10:25 Cal File: ic0803a.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	1 Naphthalene-d8	136	6.885	6.883	(1.000)	222814	2.00000	
	2 Naphthalene	128	6.908	6.907	(1.003)	266852	2.50000	2.401
$	3 2-Methylnaphthalene-d10	152	7.641	7.640	(1.110)	141032	2.50000	2.457
	4 2-Methylnaphthalene	142	7.682	7.681	(1.116)	157963	2.50000	2.400
	5 1-Methylnaphthalene	142	7.812	7.811	(1.135)	165451	2.50000	2.397
	7 Acenaphthylene	152	8.770	8.769	(0.980)	248737	2.50000	2.427
*	8 Acenaphthene-d10	164	8.947	8.946	(1.000)	123591	2.00000	
	9 Acenaphthene	153	8.989	8.987	(1.005)	146737	2.50000	2.418
	10 Dibenzofuran	168	9.178	9.170	(1.026)	214228	2.50000	2.397
	11 Fluorene	166	9.597	9.596	(1.073)	164534	2.50000	2.364
*	15 Phenanthrene-d10	188	10.762	10.760	(1.000)	200797	2.00000	
	16 Phenanthrene	178	10.791	10.790	(1.003)	240234	2.50000	2.331
	17 Anthracene	178	10.844	10.843	(1.008)	244614	2.50000	2.375
	19 Fluoranthene	202	12.280	12.279	(1.141)	245283	2.50000	2.333
	20 Pyrene	202	12.570	12.569	(0.893)	262220	2.50000	2.385
	22 Benzo(a)anthracene	228	14.054	14.052	(0.998)	245679	2.50000	2.383
*	23 Chrysene-d12	240	14.077	14.070	(1.000)	171210	2.00000	
	24 Chrysene	228	14.107	14.105	(1.002)	228699	2.50000	2.405
	28 Benzo(b)fluoranthene	252	15.448	15.447	(0.964)	264003	2.50000	2.550(H)
	29 Benzo(k)fluoranthene	252	15.478	15.476	(0.966)	244629	2.50000	2.217(H)
	30 Benzo(a)pyrene	252	15.945	15.938	(0.995)	231742	2.50000	2.297
*	31 Perylene-d12	264	16.028	16.026	(1.000)	183426	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.990	17.988	(1.122)	279777	2.50000	2.412
$	32 Dibenz(a,h)anthrancene-d14	292	17.919	17.906	(1.118)	173606	2.50000	2.473
	34 Dibenz(a,h)anthracene	278	17.984	17.976	(1.122)	228801	2.50000	2.414
	35 Benzo(g,h,i)perylene	276	18.575	18.562	(1.159)	232114	2.50000	2.407
	48 Biphenyl	154	8.220	8.219	(0.919)	179349	2.50000	2.349

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.409	8.408	(0.940)	143614	2.50000	2.388
50 2,3,5-Trimethylnaphthalene	170	9.438	9.430	(1.055)	118790	2.50000	2.411
51 1-Methylphenanthrene	192	11.565	11.564	(0.822)	168222	2.50000	2.400
52 Benzo(e)pyrene	252	15.862	15.861	(0.990)	262653	2.50000	2.352
53 Perylene	252	16.069	16.068	(1.003)	240649	2.50000	2.295

QC Flag Legend

H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: ic0803a.d
Lab Smp Id: IC0803A
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: SIM2.5

Calibration Date: 04-AUG-2006
Calibration Time: 10:25

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	222814	0.00
8 Acenaphthene-d10	123591	61796	247182	123591	0.00
15 Phenanthrene-d10	200797	100398	401594	200797	0.00
23 Chrysene-d12	171210	85605	342420	171210	0.00
31 Perylene-d12	183426	91713	366852	183426	0.00

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

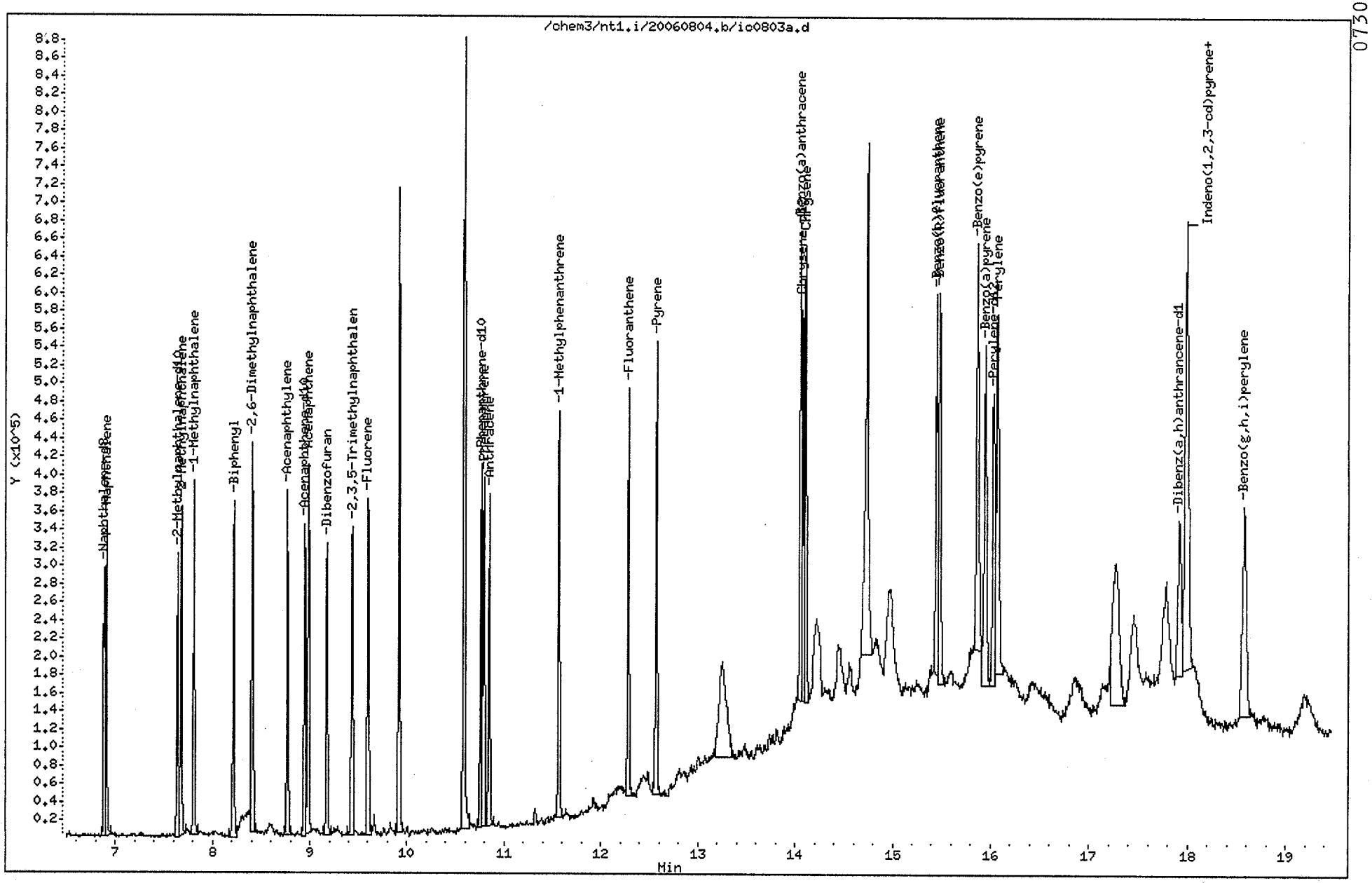
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt1.i/20060804.b/ic0803a.d
Date : 04-AUG-2006 10:25
Client ID:
Sample Info: IC0803A

Instrument: nt1.i

Operator: VTS
Column diameter: 0.25

Column phase: ZB-5



0730

YZ 8/4/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/ic0803b.d
Lab Smp Id: IC0803B
Inj Date : 04-AUG-2006 10:49
Operator : VTS Inst ID: nt1.i
Smp Info : IC0803B
Misc Info : SIM10
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:06 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 10:49 Cal File: ic0803b.d
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	1 Naphthalene-d8	136	6.883	6.883	(1.000)	258376	2.00000	
	2 Naphthalene	128	6.907	6.907	(1.003)	1284021	10.0000	9.963
$	3 2-Methylnaphthalene-d10	152	7.640	7.640	(1.110)	675627	10.0000	10.15
	4 2-Methylnaphthalene	142	7.681	7.681	(1.116)	771283	10.0000	10.11
	5 1-Methylnaphthalene	142	7.811	7.811	(1.135)	799638	10.0000	9.988
	7 Acenaphthylene	152	8.769	8.769	(0.980)	1171183	10.0000	10.48
*	8 Acenaphthene-d10	164	8.946	8.946	(1.000)	134818	2.00000	
	9 Acenaphthene	153	8.987	8.987	(1.005)	689655	10.0000	10.42
	10 Dibenzofuran	168	9.176	9.170	(1.026)	1003064	10.0000	10.29
	11 Fluorene	166	9.596	9.596	(1.073)	794109	10.0000	10.46
*	15 Phenanthrene-d10	188	10.760	10.760	(1.000)	213897	2.00000	
	16 Phenanthrene	178	10.790	10.790	(1.003)	1106661	10.0000	10.08
	17 Anthracene	178	10.843	10.843	(1.008)	1148617	10.0000	10.47
	19 Fluoranthene	202	12.285	12.279	(1.142)	1105648	10.0000	9.873
	20 Pyrene	202	12.569	12.569	(0.893)	1187636	10.0000	9.903
	22 Benzo(a)anthracene	228	14.052	14.052	(0.998)	1112932	10.0000	9.895
*	23 Chrysene-d12	240	14.076	14.070	(1.000)	186768	2.00000	
	24 Chrysene	228	14.105	14.105	(1.002)	1054391	10.0000	10.16
	28 Benzo(b)fluoranthene	252	15.453	15.447	(0.964)	1080977	10.0000	10.06(H)
	29 Benzo(k)fluoranthene	252	15.483	15.476	(0.966)	1246392	10.0000	10.88
	30 Benzo(a)pyrene	252	15.949	15.938	(0.995)	1054048	10.0000	10.07
*	31 Perylene-d12	264	16.026	16.026	(1.000)	190332	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	18.006	17.988	(1.124)	1234898	10.0000	10.26
$	32 Dibenz(a,h)anthrancene-d14	292	17.923	17.906	(1.118)	760341	10.0000	10.44
	34 Dibenz(a,h)anthracene	278	18.000	17.976	(1.123)	1029433	10.0000	10.47
	35 Benzo(g,h,i)perylene	276	18.585	18.562	(1.160)	1029959	10.0000	10.29
	48 Biphenyl	154	8.219	8.219	(0.919)	850928	10.0000	10.22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.408	8.408	(0.940)	692409	10.0000	10.55
50 2,3,5-Trimethylnaphthalene	170	9.437	9.430	(1.055)	548056	10.0000	10.20
51 1-Methylphenanthrene	192	11.564	11.564	(0.822)	783271	10.0000	10.25
52 Benzo(e)pyrene	252	15.867	15.861	(0.990)	1158385	10.0000	9.998
53 Perylene	252	16.074	16.068	(1.003)	1105890	10.0000	10.17

QC Flag Legend

H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: ic0803b.d
Lab Smp Id: IC0803B
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: SIM10

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	258376	15.96
8 Acenaphthene-d10	123591	61796	247182	134818	9.08
15 Phenanthrene-d10	200797	100398	401594	213897	6.52
23 Chrysene-d12	171210	85605	342420	186768	9.09
31 Perylene-d12	183426	91713	366852	190332	3.77

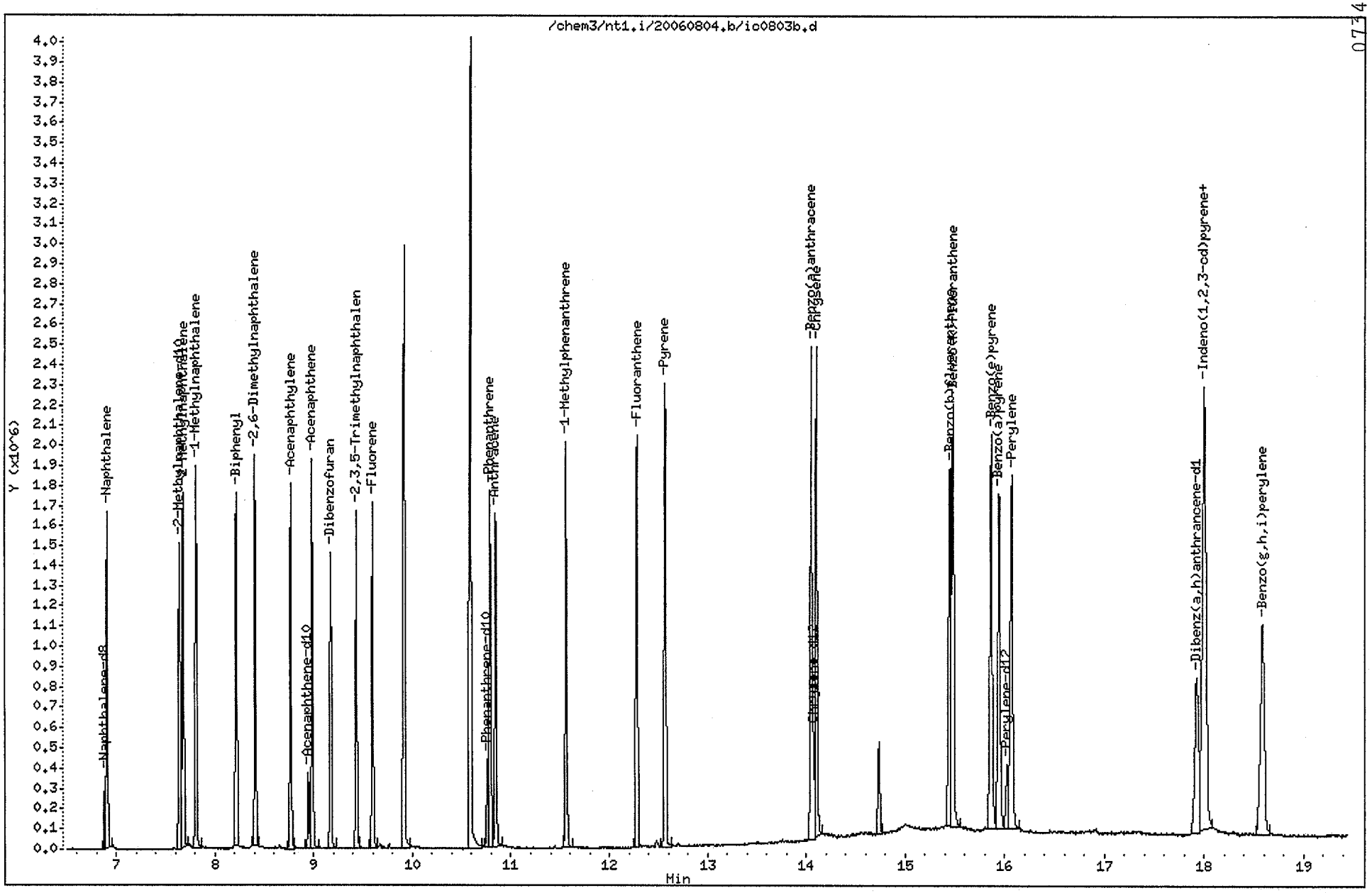
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.02
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.01
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.01
23 Chrysene-d12	14.08	13.58	14.58	14.08	-0.01
31 Perylene-d12	16.03	15.53	16.53	16.03	-0.01

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.

Data File: /chem3/nt1.i/20060804.b/ic0803b.d
Date : 04-AUG-2006 10:49
Client ID:
Sample Info: IC0803B

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

Column phase: ZB-5



YZ 8/4/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/ic0803c.d
Lab Smp Id: IC0803C
Inj Date : 04-AUG-2006 11:14
Operator : VTS Inst ID: nt1.i
Smp Info : IC0803C
Misc Info : SIM.1
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:06 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 11:14 Cal File: ic0803c.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	1 Naphthalene-d8	136	6.884	6.883	(1.000)	240196	2.00000	
	2 Naphthalene	128	6.907	6.907	(1.003)	13507	0.10000	0.1127
$	3 2-Methylnaphthalene-d10	152	7.640	7.640	(1.110)	6359	0.10000	0.1028
	4 2-Methylnaphthalene	142	7.676	7.681	(1.115)	7636	0.10000	0.1076
	5 1-Methylnaphthalene	142	7.811	7.811	(1.135)	8404	0.10000	0.1129
	7 Acenaphthylene	152	8.769	8.769	(0.980)	11539	0.10000	0.1064
*	8 Acenaphthene-d10	164	8.946	8.946	(1.000)	130781	2.00000	
	9 Acenaphthene	153	8.988	8.987	(1.005)	6564	0.10000	0.1022
	10 Dibenzofuran	168	9.171	9.170	(1.025)	10022	0.10000	0.1060
	11 Fluorene	166	9.596	9.596	(1.073)	7426	0.10000	0.1008
*	15 Phenanthrene-d10	188	10.755	10.760	(1.000)	214296	2.00000	
	16 Phenanthrene	178	10.784	10.790	(1.003)	12575	0.10000	0.1143
	17 Anthracene	178	10.843	10.843	(1.008)	11931	0.10000	0.1085
	19 Fluoranthene	202	12.280	12.279	(1.142)	13115	0.10000	0.1169
	20 Pyrene	202	12.569	12.569	(0.893)	13489	0.10000	0.1101
	22 Benzo(a)anthracene	228	14.047	14.052	(0.998)	13702	0.10000	0.1193
*	23 Chrysene-d12	240	14.070	14.070	(1.000)	190807	2.00000	
	24 Chrysene	228	14.100	14.105	(1.002)	11531	0.10000	0.1088
	28 Benzo(b)fluoranthene	252	15.447	15.447	(0.964)	12016	0.10000	0.1112(H)
	29 Benzo(k)fluoranthene	252	15.477	15.476	(0.966)	12161	0.10000	0.1056
	30 Benzo(a)pyrene	252	15.938	15.938	(0.995)	13438	0.10000	0.1276
*	31 Perylene-d12	264	16.021	16.026	(1.000)	191469	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.983	17.988	(1.122)	13803	0.10000	0.1140
$	32 Dibenz(a,h)anthrancene-d14	292	17.906	17.906	(1.118)	7843	0.10000	0.1070
	34 Dibenz(a,h)anthracene	278	17.977	17.976	(1.122)	10998	0.10000	0.1112
	35 Benzo(g,h,i)perylene	276	18.562	18.562	(1.159)	11323	0.10000	0.1125
	48 Biphenyl	154	8.213	8.219	(0.918)	8627	0.10000	0.1068

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.408	8.408	(0.940)	6507	0.10000	0.1022
50 2,3,5-Trimethylnaphthalene	170	9.437	9.430	(1.055)	5521	0.10000	0.1059
51 1-Methylphenanthrene	192	11.558	11.564	(0.821)	7722	0.10000	0.09887
52 Benzo(e)pyrene	252	15.861	15.861	(0.990)	14656	0.10000	0.1257
53 Perylene	252	16.062	16.068	(1.003)	13701	0.10000	0.1252

QC Flag Legend

H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: ic0803c.d
Lab Smp Id: IC0803C
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: SIM.1

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	240196	7.80
8 Acenaphthene-d10	123591	61796	247182	130781	5.82
15 Phenanthrene-d10	200797	100398	401594	214296	6.72
23 Chrysene-d12	171210	85605	342420	190807	11.45
31 Perylene-d12	183426	91713	366852	191469	4.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.01
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.01
15 Phenanthrene-d10	10.76	10.26	11.26	10.75	-0.06
23 Chrysene-d12	14.08	13.58	14.58	14.07	-0.05
31 Perylene-d12	16.03	15.53	16.53	16.02	-0.04

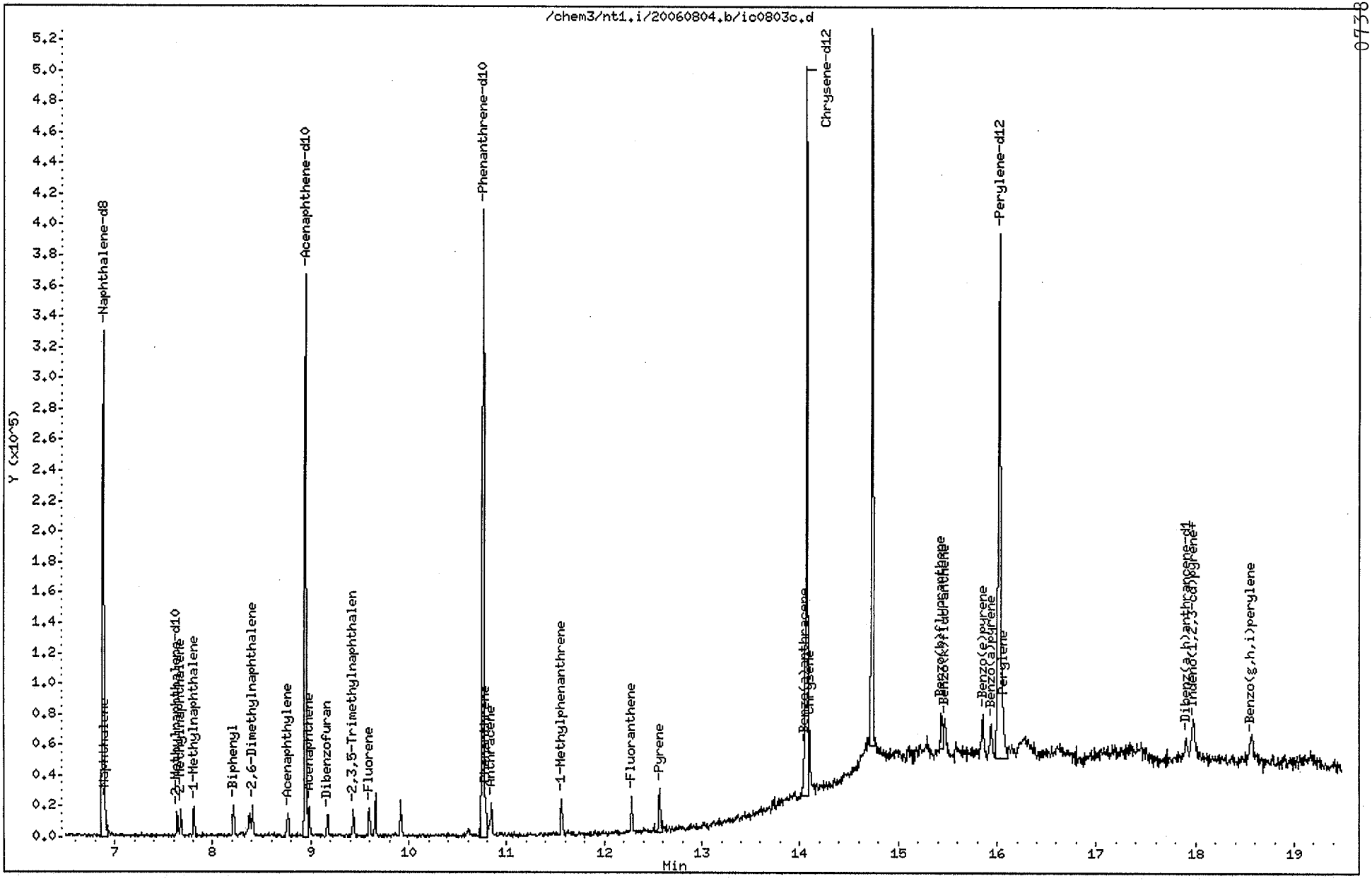
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt1.i/20060804.b/ic0803c.d
Date : 04-AUG-2006 11:14
Client ID:
Sample Info: IC0803C

Instrument: nt1.i

Operator: VTS
Column diameter: 0.25

Column phase: ZB-5



YZ 8/4/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/ic0804d.d
Lab Smp Id: IC0803D
Inj Date : 04-AUG-2006 11:39
Operator : VTS Inst ID: nt1.i
Smp Info : IC0803D
Misc Info : SIM5
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:06 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 11:39 Cal File: ic0804d.d
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	1 Naphthalene-d8	136	6.883	6.883	(1.000)	245793	2.00000	
	2 Naphthalene	128	6.907	6.907	(1.003)	615146	5.00000	5.017
$	3 2-Methylnaphthalene-d10	152	7.640	7.640	(1.110)	331961	5.00000	5.244
	4 2-Methylnaphthalene	142	7.681	7.681	(1.116)	364409	5.00000	5.019
	5 1-Methylnaphthalene	142	7.811	7.811	(1.135)	387701	5.00000	5.091
	7 Acenaphthylene	152	8.769	8.769	(0.980)	575026	5.00000	5.146
*	8 Acenaphthene-d10	164	8.946	8.946	(1.000)	134787	2.00000	
	9 Acenaphthene	153	8.987	8.987	(1.005)	338418	5.00000	5.113
	10 Dibenzofuran	168	9.176	9.170	(1.026)	500480	5.00000	5.134
	11 Fluorene	166	9.596	9.596	(1.073)	394771	5.00000	5.202
*	15 Phenanthrene-d10	188	10.760	10.760	(1.000)	216386	2.00000	
	16 Phenanthrene	178	10.790	10.790	(1.003)	552843	5.00000	4.978
	17 Anthracene	178	10.843	10.843	(1.008)	577287	5.00000	5.201
	19 Fluoranthene	202	12.279	12.279	(1.141)	564245	5.00000	4.981
	20 Pyrene	202	12.569	12.569	(0.893)	606835	5.00000	5.151
	22 Benzo(a)anthracene	228	14.052	14.052	(0.999)	556548	5.00000	5.037
*	23 Chrysene-d12	240	14.070	14.070	(1.000)	183473	2.00000	
	24 Chrysene	228	14.105	14.105	(1.003)	521133	5.00000	5.114
	28 Benzo(b)fluoranthene	252	15.447	15.447	(0.964)	574952	5.00000	5.184(H)
	29 Benzo(k)fluoranthene	252	15.477	15.476	(0.966)	587760	5.00000	4.971
	30 Benzo(a)pyrene	252	15.944	15.938	(0.995)	524018	5.00000	4.849
*	31 Perylene-d12	264	16.026	16.026	(1.000)	196521	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.994	17.988	(1.123)	634963	5.00000	5.109
$	32 Dibenz(a,h)anthrancene-d14	292	17.918	17.906	(1.118)	392891	5.00000	5.224
	34 Dibenz(a,h)anthracene	278	17.988	17.976	(1.122)	534480	5.00000	5.264
	35 Benzo(g,h,i)perylene	276	18.579	18.562	(1.159)	541568	5.00000	5.242
	48 Biphenyl	154	8.219	8.219	(0.919)	429172	5.00000	5.153

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.408	8.408	(0.940)	339145	5.00000	5.171
50 2,3,5-Trimethylnaphthalene	170	9.437	9.430	(1.055)	280157	5.00000	5.215
51 1-Methylphenanthrene	192	11.564	11.564	(0.822)	408278	5.00000	5.436
52 Benzo(e)pyrene	252	15.867	15.861	(0.990)	590838	5.00000	4.939
53 Perylene	252	16.068	16.068	(1.003)	569254	5.00000	5.068

QC Flag Legend

H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: ic0804d.d
Lab Smp Id: IC0803D
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: SIM5

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	245793	10.31
8 Acenaphthene-d10	123591	61796	247182	134787	9.06
15 Phenanthrene-d10	200797	100398	401594	216386	7.76
23 Chrysene-d12	171210	85605	342420	183473	7.16
31 Perylene-d12	183426	91713	366852	196521	7.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.02
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.01
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.01
23 Chrysene-d12	14.08	13.58	14.58	14.07	-0.05
31 Perylene-d12	16.03	15.53	16.53	16.03	-0.01

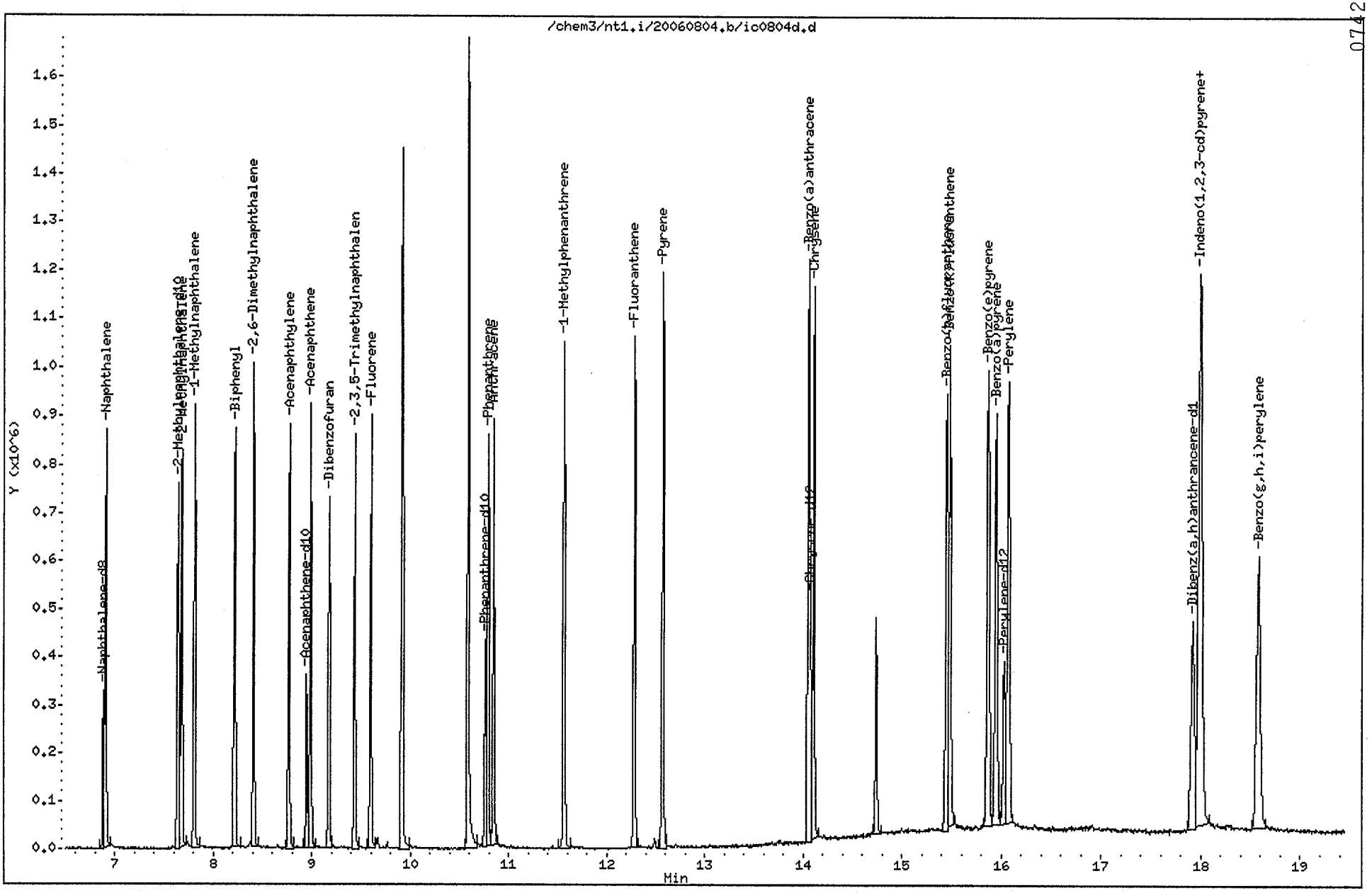
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt1.i/20060804.b/ic0804d.d
Date : 04-AUG-2006 11:39
Client ID:
Sample Info: IC0803D

Instrument: nt1.i

Operator: VTS
Column diameter: 0.25

Column phase: ZB-5



YZ 8/4/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/ic0805e.d
Lab Smp Id: IC0803E
Inj Date : 04-AUG-2006 12:04
Operator : VTS Inst ID: nt1.i
Smp Info : IC0803E
Misc Info : SIM1
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:06 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:04 Cal File: ic0805e.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	1 Naphthalene-d8	136	6.883	6.883	(1.000)	305770	2.00000	
	2 Naphthalene	128	6.907	6.907	(1.003)	137362	1.00000	0.9006
$	3 2-Methylnaphthalene-d10	152	7.639	7.640	(1.110)	72420	1.00000	0.9195
	4 2-Methylnaphthalene	142	7.681	7.681	(1.116)	82089	1.00000	0.9089
	5 1-Methylnaphthalene	142	7.811	7.811	(1.135)	87654	1.00000	0.9252
	7 Acenaphthylene	152	8.768	8.769	(0.980)	125504	1.00000	0.9112
*	8 Acenaphthene-d10	164	8.946	8.946	(1.000)	166121	2.00000	
	9 Acenaphthene	153	8.987	8.987	(1.005)	74583	1.00000	0.9144
	10 Dibenzofuran	168	9.176	9.170	(1.026)	110398	1.00000	0.9189
	11 Fluorene	166	9.596	9.596	(1.073)	85264	1.00000	0.9116
*	15 Phenanthrene-d10	188	10.760	10.760	(1.000)	269899	2.00000	
	16 Phenanthrene	178	10.790	10.790	(1.003)	125375	1.00000	0.9050
	17 Anthracene	178	10.843	10.843	(1.008)	128053	1.00000	0.9250
	19 Fluoranthene	202	12.279	12.279	(1.141)	131192	1.00000	0.9285
	20 Pyrene	202	12.568	12.569	(0.893)	138272	1.00000	0.9129
	22 Benzo(a)anthracene	228	14.052	14.052	(0.999)	127937	1.00000	0.9006
*	23 Chrysene-d12	240	14.070	14.070	(1.000)	235891	2.00000	
	24 Chrysene	228	14.105	14.105	(1.003)	124625	1.00000	0.9512
	28 Benzo(b)fluoranthene	252	15.447	15.447	(0.964)	119023	1.00000	0.8800
	29 Benzo(k)fluoranthene	252	15.476	15.476	(0.966)	137439	1.00000	0.9531
	30 Benzo(a)pyrene	252	15.943	15.938	(0.995)	115475	1.00000	0.8762
*	31 Perylene-d12	264	16.026	16.026	(1.000)	239658	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.982	17.988	(1.122)	134700	1.00000	0.8887
$	32 Dibenz(a,h)anthrancene-d14	292	17.911	17.906	(1.118)	81227	1.00000	0.8856
	34 Dibenz(a,h)anthracene	278	17.982	17.976	(1.122)	107839	1.00000	0.8710
	35 Benzo(g,h,i)perylene	276	18.567	18.562	(1.159)	110391	1.00000	0.8762
	48 Biphenyl	154	8.219	8.219	(0.919)	96852	1.00000	0.9436

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.408	8.408	(0.940)	75459	1.00000	0.9335
50 2,3,5-Trimethylnaphthalene	170	9.436	9.430	(1.055)	60932	1.00000	0.9202
51 1-Methylphenanthrene	192	11.564	11.564	(0.822)	89683	1.00000	0.9288
52 Benzo(e)pyrene	252	15.860	15.861	(0.990)	129005	1.00000	0.8843
53 Perylene	252	16.067	16.068	(1.003)	115802	1.00000	0.8454

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: ic0805e.d
Lab Smp Id: IC0803E
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: SIM1

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	305770	37.23
8 Acenaphthene-d10	123591	61796	247182	166121	34.41
15 Phenanthrene-d10	200797	100398	401594	269899	34.41
23 Chrysene-d12	171210	85605	342420	235891	37.78
31 Perylene-d12	183426	91713	366852	239658	30.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.02
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.02
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.02
23 Chrysene-d12	14.08	13.58	14.58	14.07	-0.05
31 Perylene-d12	16.03	15.53	16.53	16.03	-0.01

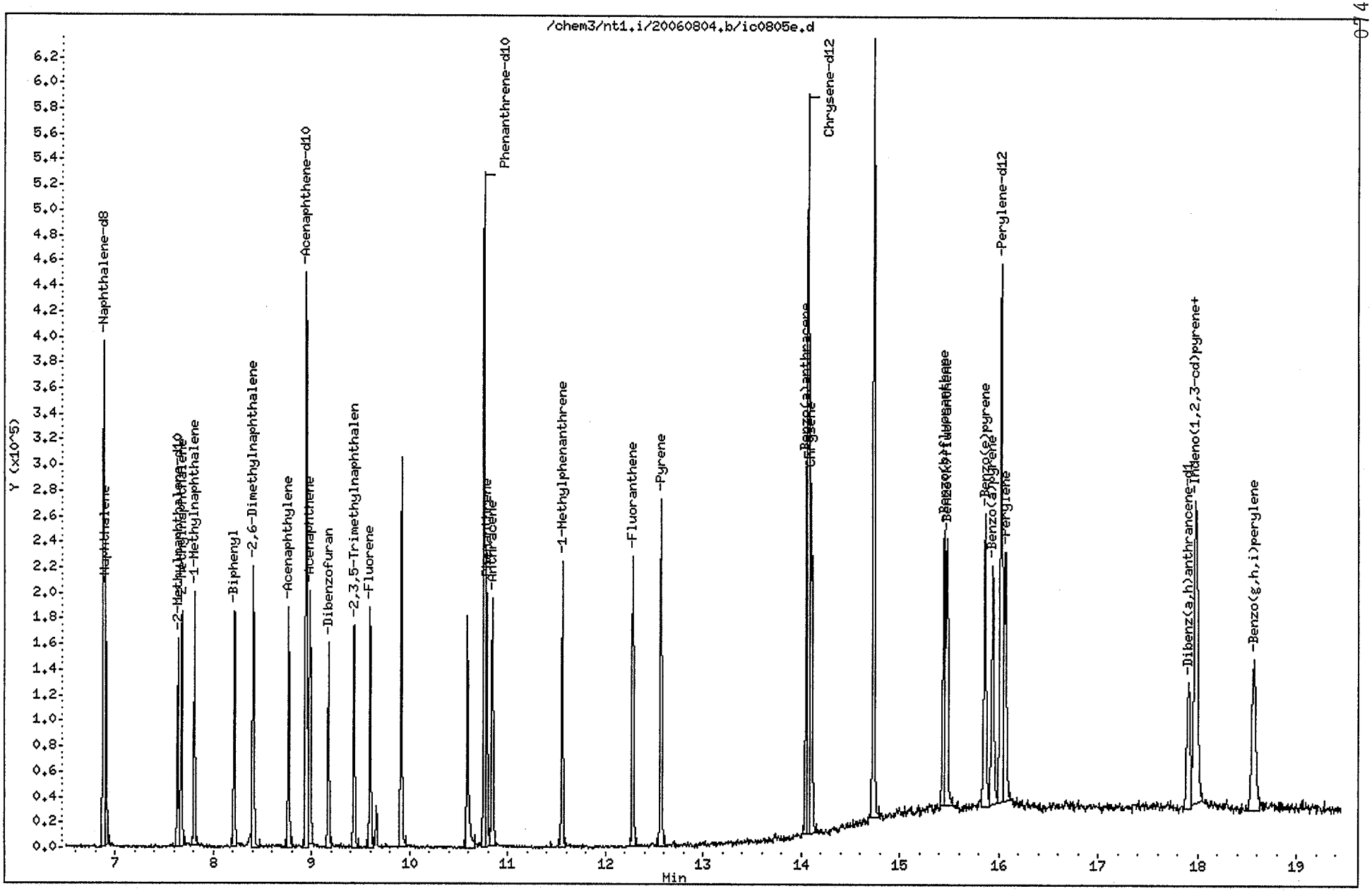
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt1.i/20060804.b/ic0805e.d
Date : 04-AUG-2006 12:04
Client ID:
Sample Info: IC0803E

Instrument: nt1.i

Operator: VTS
Column diameter: 0.25

Column phase: ZB-5



0746

YZ 8/4/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/ic0806f.d
Lab Smp Id: IC0803F
Inj Date : 04-AUG-2006 12:28
Operator : VTS Inst ID: nt1.i
Smp Info : IC0803F
Misc Info : SIM0.5
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:06 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	1 Naphthalene-d8	136	6.883	6.883	(1.000)	245095	2.00000	
	2 Naphthalene	128	6.907	6.907	(1.003)	61844	0.50000	0.5059
$	3 2-Methylnaphthalene-d10	152	7.640	7.640	(1.110)	31744	0.50000	0.5028
	4 2-Methylnaphthalene	142	7.681	7.681	(1.116)	37667	0.50000	0.5203
	5 1-Methylnaphthalene	142	7.811	7.811	(1.135)	36833	0.50000	0.4850
	7 Acenaphthylene	152	8.769	8.769	(0.980)	53344	0.50000	0.4883
*	8 Acenaphthene-d10	164	8.946	8.946	(1.000)	131758	2.00000	
	9 Acenaphthene	153	8.987	8.987	(1.005)	33375	0.50000	0.5159
	10 Dibenzofuran	168	9.170	9.170	(1.025)	48004	0.50000	0.5037
	11 Fluorene	166	9.596	9.596	(1.073)	38860	0.50000	0.5238
*	15 Phenanthrene-d10	188	10.760	10.760	(1.000)	219114	2.00000	
	16 Phenanthrene	178	10.790	10.790	(1.003)	57129	0.50000	0.5080
	17 Anthracene	178	10.843	10.843	(1.008)	53530	0.50000	0.4763
	19 Fluoranthene	202	12.279	12.279	(1.141)	56542	0.50000	0.4929
	20 Pyrene	202	12.569	12.569	(0.893)	62209	0.50000	0.5059
	22 Benzo(a)anthracene	228	14.052	14.052	(0.999)	55166	0.50000	0.4783
*	23 Chrysene-d12	240	14.070	14.070	(1.000)	191517	2.00000	
	24 Chrysene	228	14.105	14.105	(1.003)	51039	0.50000	0.4798
	28 Benzo(b)fluoranthene	252	15.447	15.447	(0.964)	52637	0.50000	0.4724
	29 Benzo(k)fluoranthene	252	15.476	15.476	(0.966)	60702	0.50000	0.5110
	30 Benzo(a)pyrene	252	15.938	15.938	(0.994)	51669	0.50000	0.4759
*	31 Perylene-d12	264	16.026	16.026	(1.000)	197414	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.988	17.988	(1.122)	59859	0.50000	0.4795
$	32 Dibenz(a,h)anthrancene-d14	292	17.906	17.906	(1.117)	36494	0.50000	0.4830
	34 Dibenz(a,h)anthracene	278	17.976	17.976	(1.122)	48537	0.50000	0.4759
	35 Benzo(g,h,i)perylene	276	18.562	18.562	(1.158)	49724	0.50000	0.4791
	48 Biphenyl	154	8.219	8.219	(0.919)	40581	0.50000	0.4985

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.408	8.408	(0.940)	32039	0.50000	0.4997
50 2,3,5-Trimethylnaphthalene	170	9.430	9.430	(1.054)	26081	0.50000	0.4966
51 1-Methylphenanthrene	192	11.564	11.564	(0.822)	39611	0.50000	0.5053
52 Benzo(e)pyrene	252	15.861	15.861	(0.990)	55863	0.50000	0.4649
53 Perylene	252	16.068	16.068	(1.003)	53834	0.50000	0.4771

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: ic0806f.d
Lab Smp Id: IC0803F
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: SIM0.5

Calibration Date: 04-AUG-2006
Calibration Time: 10:25

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	245095	10.00
8 Acenaphthene-d10	123591	61796	247182	131758	6.61
15 Phenanthrene-d10	200797	100398	401594	219114	9.12
23 Chrysene-d12	171210	85605	342420	191517	11.86
31 Perylene-d12	183426	91713	366852	197414	7.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.02
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.02
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.01
23 Chrysene-d12	14.08	13.58	14.58	14.07	-0.05
31 Perylene-d12	16.03	15.53	16.53	16.03	-0.01

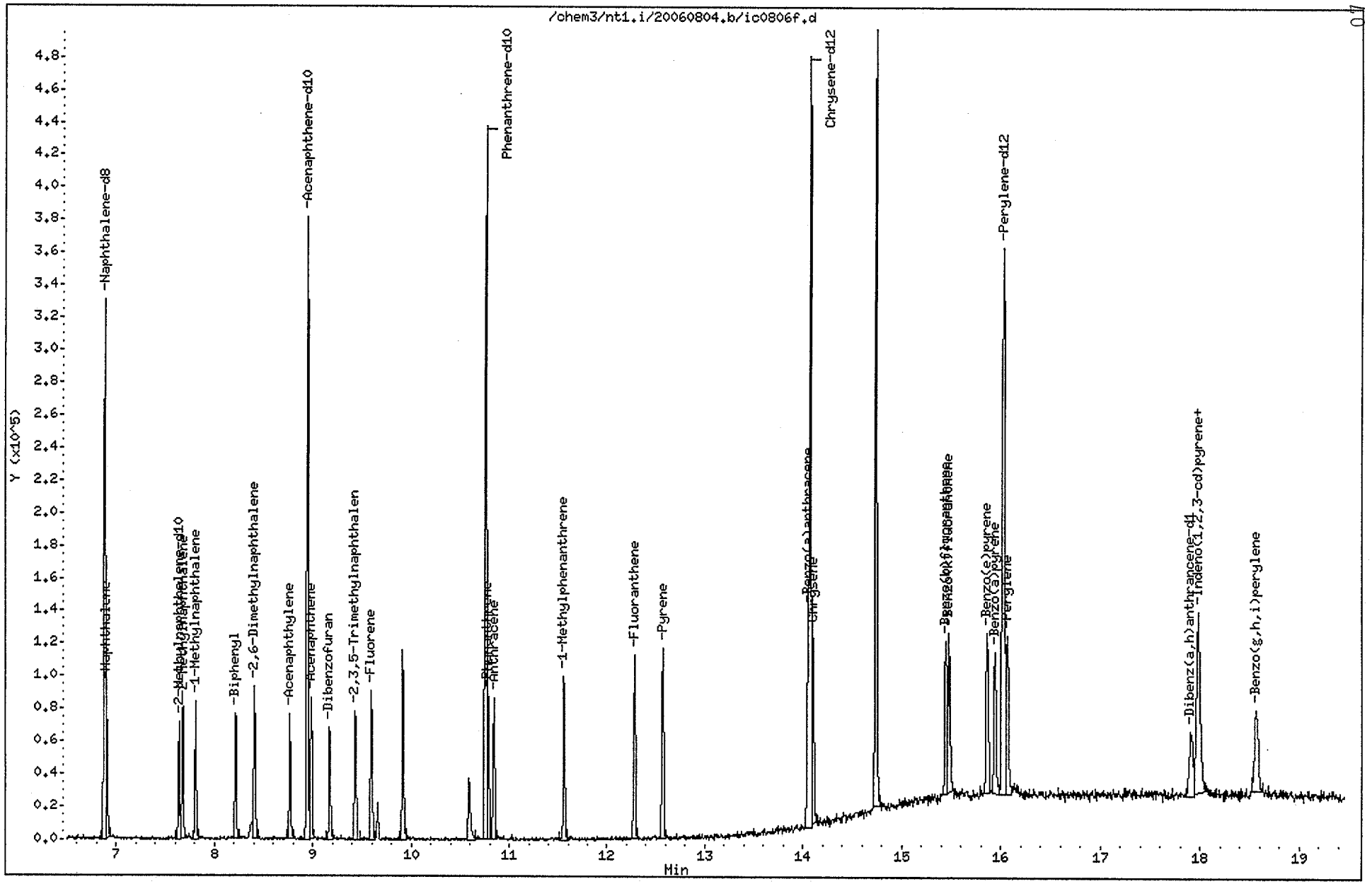
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt1.i/20060804.b/ic0806f.d
Date : 04-AUG-2006 12:28
Client ID:
Sample Info: IC0803F

Instrument: nt1.i

Operator: VTS
Column diameter: 0.25

Column phase: ZB-5



7B

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

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

ARI Job No: JQ33 — Project: T4EARLY ACTION

Instrument ID: NT1 — Cont. Calib. Date: 08/04/06

Init. Calib. Date: 08/04/06 — Cont. Calib. Time: 1025

COMPOUND	$\overline{RRF}$	RRF2.5	MIN RRF	%D	MAX %D
Naphthalene	0.998	0.958	0.100	4.0	
2-Methylnaphthalene	0.591	0.567	0.100	4.1	
Acenaphthylene	1.658	1.610	0.100	2.9	
Acenaphthene	0.982	0.950	0.100	3.2	20.0
Dibenzofuran	1.446	1.387	0.100	4.1	
Fluorene	1.126	1.065	0.100	5.4	
Phenanthrene	1.027	0.957	0.100	6.8	
Anthracene	1.026	0.974	0.100	5.1	
Fluoranthene	1.047	0.977	0.100	6.7	20.0
Pyrene	1.284	1.225	0.100	4.6	
Benzo(a)anthracene	1.204	1.148	0.100	4.6	
Chrysene	1.111	1.069	0.100	3.8	
Benzo(b)fluoranthene	1.128	1.151	0.100	-2.0	
Benzo(k)fluoranthene	1.203	1.067	0.100	11.3	
Benzo(a)pyrene	1.100	1.011	0.100	8.1	20.0
Indeno(1,2,3-cd)pyrene	1.265	1.220	0.100	3.6	
Dibenz(a,h)anthracene	1.033	0.998	0.100	3.4	
Benzo(g,h,i)perylene	1.051	1.012	0.100	3.7	
1-Methylnaphthalene	0.620	0.594	0.100	4.2	
Biphenyl	1.236	1.161	0.100	6.1	
2,6-Dimethylnaphthalene	0.973	0.930	0.100	4.4	
2,3,5-Trimethylnaphthalene	0.797	0.769	0.100	3.5	
1-Methylphenanthrene	0.818	0.786	0.100	3.9	
Benzo(e)pyrene	1.217	1.146	0.100	5.8	
Perylene	1.143	1.050	0.100	8.1	
2-Methylnaphthalene-d10	0.515	0.506	0.100	1.7	
Dibenz(a,h)anthrancene-d14	0.765	0.757	0.100	1.0	

<- Outside QC limits

FORM VII SV-1

7B

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

ARI Job No: JQ33 Project: T4EARLY ACTION

Instrument ID: NT1 Cont. Calib. Date: 08/07/06

Init. Calib. Date: 08/04/06 Cont. Calib. Time: 1039

COMPOUND	$\overline{RRF}$	RRF2.5	MIN RRF	%D	MAX %D
Naphthalene	0.998	0.985	0.100	1.3	
2-Methylnaphthalene	0.591	0.572	0.100	3.2	
Acenaphthylene	1.658	1.596	0.100	3.7	
Acenaphthene	0.982	0.950	0.100	3.2	20.0
Dibenzofuran	1.446	1.405	0.100	2.8	
Fluorene	1.126	1.108	0.100	1.6	
Phenanthrene	1.027	0.971	0.100	5.4	
Anthracene	1.026	1.000	0.100	2.5	
Fluoranthene	1.047	1.013	0.100	3.2	20.0
Pyrene	1.284	1.209	0.100	5.8	
Benzo(a)anthracene	1.204	1.142	0.100	5.1	
Chrysene	1.111	1.068	0.100	3.9	
Benzo(b)fluoranthene	1.128	1.034	0.100	8.3	
Benzo(k)fluoranthene	1.203	1.240	0.100	-3.1	
Benzo(a)pyrene	1.100	1.017	0.100	7.5	20.0
Indeno(1,2,3-cd)pyrene	1.265	1.170	0.100	7.5	
Dibenz(a,h)anthracene	1.033	0.957	0.100	7.4	
Benzo(g,h,i)perylene	1.051	0.989	0.100	5.9	
1-Methylnaphthalene	0.620	0.601	0.100	3.1	
Biphenyl	1.236	1.157	0.100	6.4	
2,6-Dimethylnaphthalene	0.973	0.930	0.100	4.4	
2,3,5-Trimethylnaphthalene	0.797	0.781	0.100	2.0	
1-Methylphenanthrene	0.818	0.783	0.100	4.3	
Benzo(e)pyrene	1.217	1.121	0.100	7.9	
Perylene	1.143	1.062	0.100	7.1	
2-Methylnaphthalene-d10	0.515	0.503	0.100	2.3	
Dibenz(a,h)anthrancene-d14	0.765	0.734	0.100	4.0	

<- Outside QC limits

FORM VII SV-1

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt1.i Injection Date: 07-AUG-2006 10:39
Lab File ID: cc0807.d Init. Cal. Date(s): 04-AUG-2006 04-AUG-2006
Analysis Type: Init. Cal. Times: 10:25 12:28
Lab Sample ID: CC0807 Quant Type: ISTD
Method: /chem3/nt1.i/20060807.b/simpna.m

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 Naphthalene	0.99759	0.98529	0.010	1.23350	20.00000	Averaged
$ 3 2-Methylnaphthalene-d10	0.51514	0.50273	0.010	2.40812	20.00000	Averaged
4 2-Methylnaphthalene	0.59078	0.57203	0.010	3.17335	20.00000	Averaged
5 1-Methylnaphthalene	0.61969	0.60094	0.010	3.02584	20.00000	Averaged
7 Acenaphthylene	1.65817	1.59593	0.010	3.75404	20.00000	Averaged
9 Acenaphthene	0.98203	0.94998	0.010	3.26371	20.00000	Averaged
10 Dibenzofuran	1.44651	1.40462	0.010	2.89598	20.00000	Averaged
11 Fluorene	1.12609	1.10796	0.010	1.60953	20.00000	Averaged
16 Phenanthrene	1.02657	0.97111	0.010	5.40243	20.00000	Averaged
17 Anthracene	1.02589	0.99975	0.010	2.54760	20.00000	Averaged
19 Fluoranthene	1.04707	1.01276	0.010	3.27733	20.00000	Averaged
20 Pyrene	1.28426	1.20942	0.010	5.82705	20.00000	Averaged
22 Benzo(a)anthracene	1.20437	1.14185	0.010	5.19097	20.00000	Averaged
24 Chrysene	1.11086	1.06788	0.010	3.86896	20.00000	Averaged
28 Benzo(b)fluoranthene	1.12875	1.03378	0.010	8.41415	20.00000	Averaged
29 Benzo(k)fluoranthene	1.20336	1.23989	0.010	-3.03563	20.00000	Averaged
30 Benzo(a)pyrene	1.09986	1.01663	0.010	7.56768	20.00000	Averaged
33 Indeno(1,2,3-cd)pyrene	1.26484	1.16990	0.010	7.50568	20.00000	Averaged
$ 32 Dibenz(a,h)anthrancene-d14	0.76539	0.73452	0.010	4.03364	20.00000	Averaged
34 Dibenz(a,h)anthracene	1.03328	0.95682	0.010	7.40034	20.00000	Averaged
35 Benzo(g,h,i)perylene	1.05141	0.98874	0.010	5.96016	20.00000	Averaged
48 Biphenyl	1.23570	1.15672	0.010	6.39137	20.00000	Averaged
49 2,6-Dimethylnaphthalene	0.97325	0.93000	0.010	4.44419	20.00000	Averaged
50 2,3,5-Trimethylnaphthalene	0.79717	0.78128	0.010	1.99350	20.00000	Averaged
51 1-Methylphenanthrene	0.81867	0.78321	0.010	4.33071	20.00000	Averaged
52 Benzo(e)pyrene	1.21746	1.12091	0.010	7.93032	20.00000	Averaged
53 Perylene	1.14310	1.06153	0.010	7.13580	20.00000	Averaged

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/cc0807.d
Lab Smp Id: CC0807
Inj Date : 07-AUG-2006 10:39
Operator : YZ Inst ID: nt1.i
Smp Info : CC0807
Misc Info : SIM10
Comment : 1ul Injection
Method : /chem3/nt1.i/20060807.b/simpna.m
Meth Date : 07-Aug-2006 11:35 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	1 Naphthalene-d8	136	6.891	6.891	(1.000)	231039	2.00000	
	2 Naphthalene	128	6.915	6.915	(1.003)	284549	2.50000	2.469
$	3 2-Methylnaphthalene-d10	152	7.648	7.648	(1.110)	145188	2.50000	2.440
	4 2-Methylnaphthalene	142	7.683	7.683	(1.115)	165202	2.50000	2.421
	5 1-Methylnaphthalene	142	7.813	7.813	(1.134)	173551	2.50000	2.424
	7 Acenaphthylene	152	8.771	8.771	(0.980)	257605	2.50000	2.406
*	8 Acenaphthene-d10	164	8.954	8.954	(1.000)	129131	2.00000	
	9 Acenaphthene	153	8.989	8.989	(1.004)	153340	2.50000	2.418
	10 Dibenzofuran	168	9.178	9.178	(1.025)	226726	2.50000	2.428
	11 Fluorene	166	9.604	9.604	(1.073)	178841	2.50000	2.460
*	15 Phenanthrene-d10	188	10.762	10.762	(1.000)	212850	2.00000	
	16 Phenanthrene	178	10.792	10.792	(1.003)	258376	2.50000	2.365
	17 Anthracene	178	10.851	10.851	(1.008)	265997	2.50000	2.436
	19 Fluoranthene	202	12.287	12.287	(1.142)	269458	2.50000	2.418
	20 Pyrene	202	12.577	12.577	(0.893)	288473	2.50000	2.354
	22 Benzo(a)anthracene	228	14.054	14.054	(0.998)	272356	2.50000	2.370
*	23 Chrysene-d12	240	14.078	14.078	(1.000)	190817	2.00000	
	24 Chrysene	228	14.107	14.107	(1.002)	254712	2.50000	2.403
	28 Benzo(b)fluoranthene	252	15.455	15.455	(0.964)	255333	2.50000	2.290
	29 Benzo(k)fluoranthene	252	15.484	15.484	(0.966)	306241	2.50000	2.576
	30 Benzo(a)pyrene	252	15.951	15.951	(0.995)	251097	2.50000	2.311
*	31 Perylene-d12	264	16.034	16.034	(1.000)	197592	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	18.002	18.002	(1.123)	288955	2.50000	2.312
$	32 Dibenz(a,h)anthrancene-d14	292	17.931	17.931	(1.118)	181420	2.50000	2.399
	34 Dibenz(a,h)anthracene	278	17.996	17.996	(1.122)	236325	2.50000	2.315
	35 Benzo(g,h,i)perylene	276	18.581	18.581	(1.159)	244209	2.50000	2.351
	48 Biphenyl	154	8.221	8.221	(0.918)	186712	2.50000	2.340

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.416	8.416	(0.940)	150114	2.50000	2.389
50 2,3,5-Trimethylnaphthalene	170	9.438	9.438	(1.054)	126110	2.50000	2.450
51 1-Methylphenanthrene	192	11.566	11.566	(0.822)	186813	2.50000	2.392
52 Benzo(e)pyrene	252	15.869	15.869	(0.990)	276853	2.50000	2.302
53 Perylene	252	16.075	16.075	(1.003)	262189	2.50000	2.322

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: cc0807.d
Lab Smp Id: CC0807
Analysis Type: SV
Quant Type: ISTD
Operator: YZ
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: SIM10

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	231039	0.00
8 Acenaphthene-d10	129131	64566	258262	129131	0.00
15 Phenanthrene-d10	212850	106425	425700	212850	0.00
23 Chrysene-d12	190817	95408	381634	190817	0.00
31 Perylene-d12	197592	98796	395184	197592	0.00

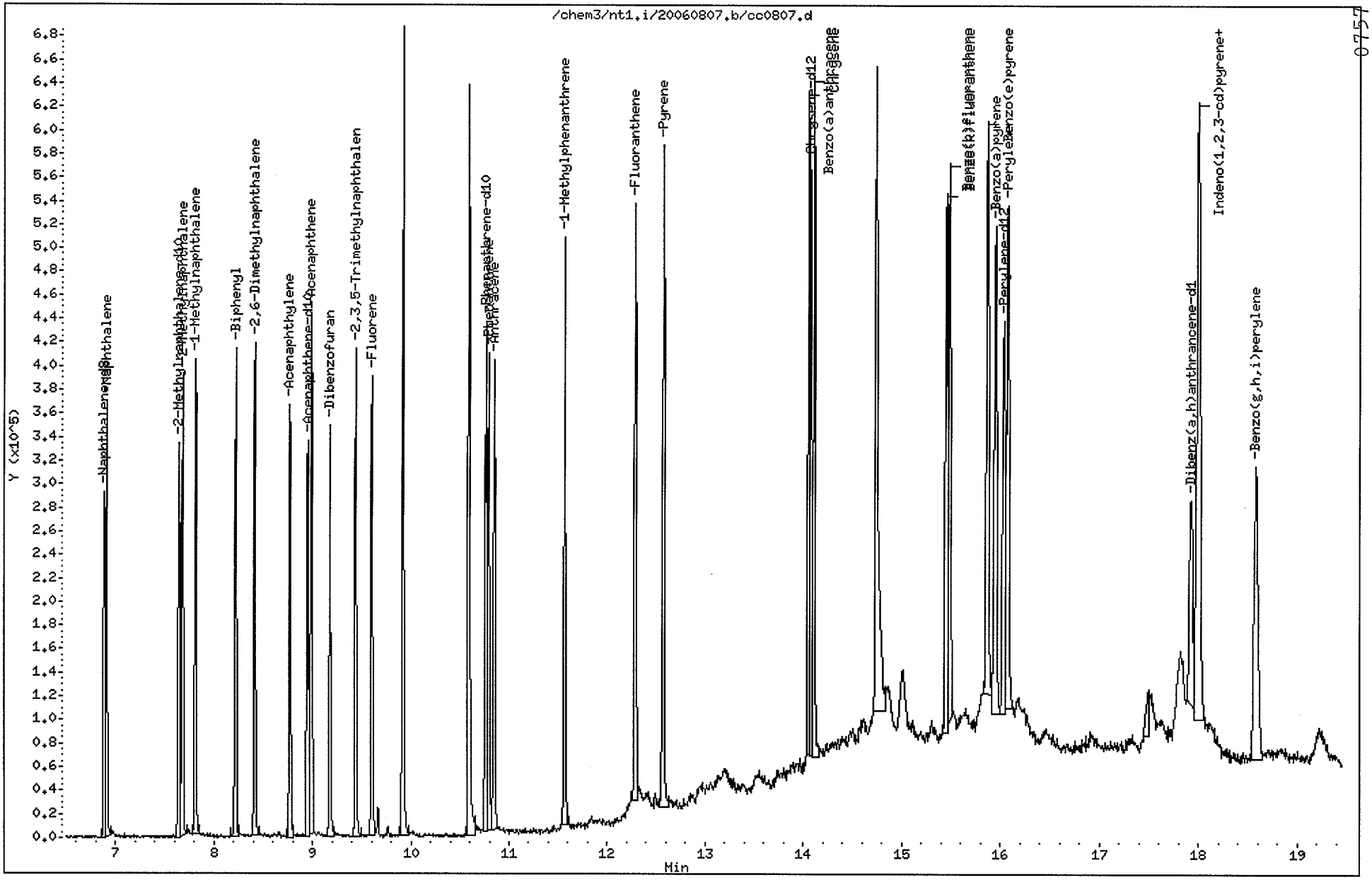
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.89	6.39	7.39	6.89	0.00
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	0.00
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	0.00
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.00
31 Perylene-d12	16.03	15.53	16.53	16.03	0.00

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

Data File: /chem3/nt1.i/20060807.b/cc0807.d
Date : 07-AUG-2006 10:39
Client ID:
Sample Info: CC0807

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

Column phase: ZB-5



7B

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

ARI Job No: JQ33 Project: T4EARLY ACTION

Instrument ID: NT1 Cont. Calib. Date: 08/08/06

Init. Calib. Date: 08/04/06 Cont. Calib. Time: 0927

COMPOUND	$\overline{RRF}$	RRF2.5	MIN RRF	%D	MAX %D
Naphthalene	0.998	0.982	0.100	1.6	
2-Methylnaphthalene	0.591	0.555	0.100	6.1	
Acenaphthylene	1.658	1.647	0.100	0.7	
Acenaphthene	0.982	0.941	0.100	4.2	20.0
Dibenzofuran	1.446	1.377	0.100	4.8	
Fluorene	1.126	1.082	0.100	3.9	
Phenanthrene	1.027	0.989	0.100	3.7	
Anthracene	1.026	0.996	0.100	2.9	
Fluoranthene	1.047	1.035	0.100	1.1	20.0
Pyrene	1.284	1.214	0.100	5.4	
Benzo(a)anthracene	1.204	1.120	0.100	7.0	
Chrysene	1.111	1.076	0.100	3.2	
Benzo(b)fluoranthene	1.128	1.080	0.100	4.2	
Benzo(k)fluoranthene	1.203	1.162	0.100	3.4	
Benzo(a)pyrene	1.100	0.996	0.100	9.4	20.0
Indeno(1,2,3-cd)pyrene	1.265	1.148	0.100	9.2	
Dibenz(a,h)anthracene	1.033	0.973	0.100	5.8	
Benzo(g,h,i)perylene	1.051	0.990	0.100	5.8	
1-Methylnaphthalene	0.620	0.574	0.100	7.4	
Biphenyl	1.236	1.182	0.100	4.4	
2,6-Dimethylnaphthalene	0.973	0.963	0.100	1.0	
2,3,5-Trimethylnaphthalene	0.797	0.757	0.100	5.0	
1-Methylphenanthrene	0.818	0.787	0.100	3.8	
Benzo(e)pyrene	1.217	1.119	0.100	8.0	
Perylene	1.143	1.030	0.100	9.9	
2-Methylnaphthalene-d10	0.515	0.489	0.100	5.0	
Dibenz(a,h)anthrancene-d14	0.765	0.730	0.100	4.6	

<- Outside QC limits

FORM VII SV-1

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060808.b/cc0808.d
Lab Smp Id: CC0808
Inj Date : 08-AUG-2006 09:27
Operator : VTS Inst ID: nt1.i
Smp Info : CC0808
Misc Info :
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 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	1 Naphthalene-d8	136	6.884	6.884	(1.000)	260380	2.00000	
	2 Naphthalene	128	6.907	6.907	(1.003)	319778	2.50000	2.462
$	3 2-Methylnaphthalene-d10	152	7.640	7.640	(1.110)	159108	2.50000	2.372
	4 2-Methylnaphthalene	142	7.676	7.676	(1.115)	180528	2.50000	2.347
	5 1-Methylnaphthalene	142	7.806	7.806	(1.134)	186785	2.50000	2.315
	7 Acenaphthylene	152	8.763	8.763	(0.980)	279347	2.50000	2.483
*	8 Acenaphthene-d10	164	8.946	8.946	(1.000)	135690	2.00000	
	9 Acenaphthene	153	8.982	8.982	(1.004)	159675	2.50000	2.397
	10 Dibenzofuran	168	9.171	9.171	(1.025)	233581	2.50000	2.380
	11 Fluorene	166	9.596	9.596	(1.073)	183581	2.50000	2.403
*	15 Phenanthrene-d10	188	10.755	10.755	(1.000)	210931	2.00000	
	16 Phenanthrene	178	10.784	10.784	(1.003)	260704	2.50000	2.408
	17 Anthracene	178	10.843	10.843	(1.008)	262651	2.50000	2.428
	19 Fluoranthene	202	12.280	12.280	(1.142)	272938	2.50000	2.472
	20 Pyrene	202	12.569	12.569	(0.893)	289265	2.50000	2.364
	22 Benzo(a)anthracene	228	14.047	14.047	(0.998)	266824	2.50000	2.325
*	23 Chrysene-d12	240	14.070	14.070	(1.000)	190595	2.00000	
	24 Chrysene	228	14.100	14.100	(1.002)	256254	2.50000	2.421
	28 Benzo(b)fluoranthene	252	15.441	15.441	(0.964)	261774	2.50000	2.393
	29 Benzo(k)fluoranthene	252	15.477	15.477	(0.966)	281641	2.50000	2.415
	30 Benzo(a)pyrene	252	15.938	15.938	(0.995)	241283	2.50000	2.264
*	31 Perylene-d12	264	16.021	16.021	(1.000)	193807	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.989	17.989	(1.123)	278016	2.50000	2.268
$	32 Dibenz(a,h)anthrancene-d14	292	17.912	17.912	(1.118)	176777	2.50000	2.383
	34 Dibenz(a,h)anthracene	278	17.977	17.977	(1.122)	235825	2.50000	2.355
	35 Benzo(g,h,i)perylene	276	18.568	18.568	(1.159)	239948	2.50000	2.355
	48 Biphenyl	154	8.213	8.213	(0.918)	200499	2.50000	2.392

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.408	8.408	(0.940)	163394	2.50000	2.475
50 2,3,5-Trimethylnaphthalene	170	9.431	9.431	(1.054)	128455	2.50000	2.375
51 1-Methylphenanthrene	192	11.559	11.559	(0.821)	187593	2.50000	2.405
52 Benzo(e)pyrene	252	15.861	15.861	(0.990)	271174	2.50000	2.299
53 Perylene	252	16.068	16.068	(1.003)	249493	2.50000	2.252

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: cc0808.d
Lab Smp Id: CC0808
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060808.b/simpna.m
Misc Info:

Calibration Date: 08-AUG-2006
Calibration Time: 09:27
Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	260380	130190	520760	260380	0.00
8 Acenaphthene-d10	135690	67845	271380	135690	0.00
15 Phenanthrene-d10	210931	105466	421862	210931	0.00
23 Chrysene-d12	190595	95298	381190	190595	0.00
31 Perylene-d12	193807	96904	387614	193807	0.00

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	16.02	0.00

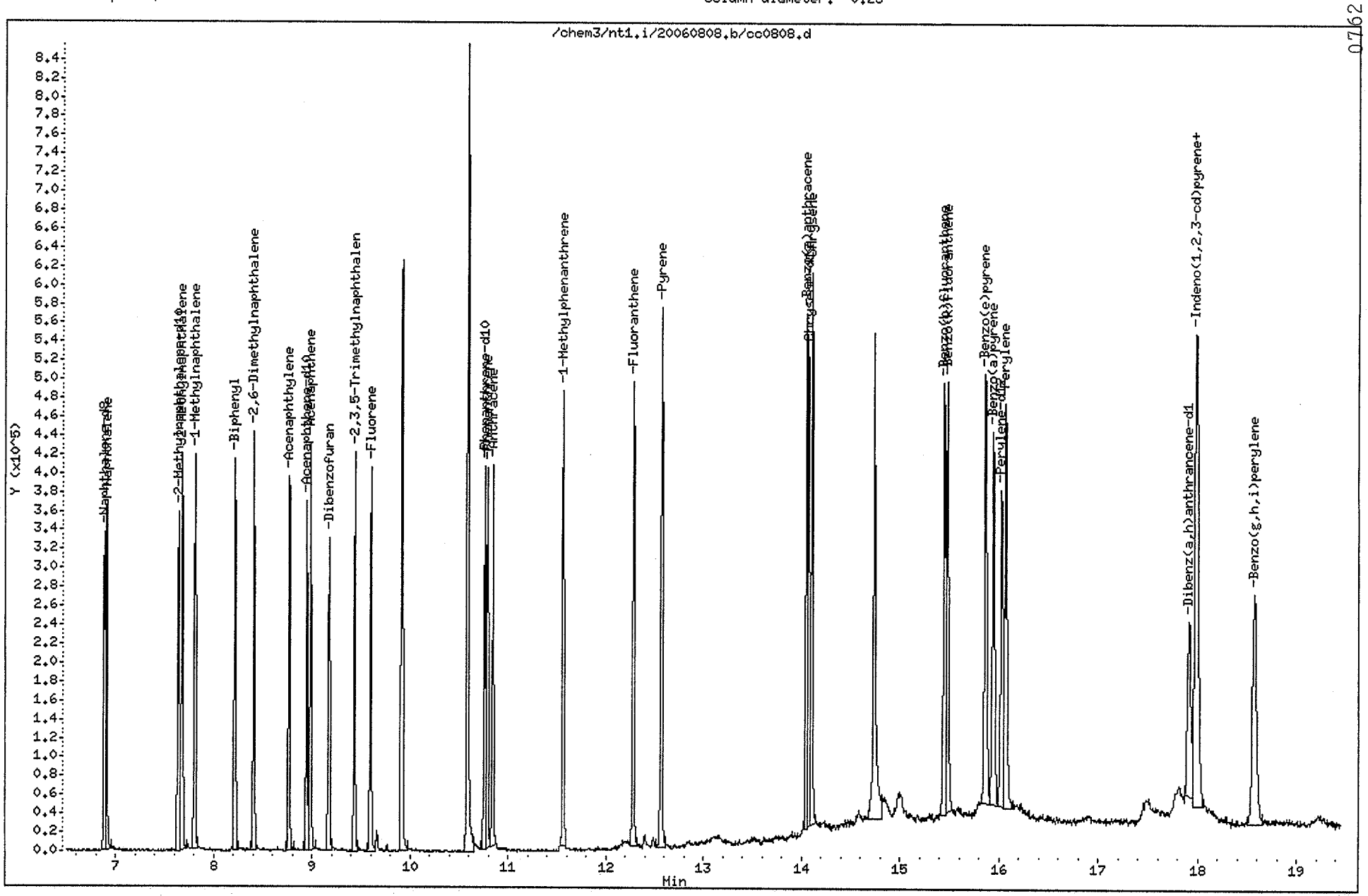
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt1.i/20060808.b/cc0808.d
Date : 08-AUG-2006 09:27
Client ID:
Sample Info: CC0808

Instrument: nt1.i

Operator: VTS
Column diameter: 0.25

Column phase: ZB-5



Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt1.i
Lab File ID: cc0808.d
Analysis Type:
Lab Sample ID: CC0808
Method: /chem3/nt1.i/20060808.b/simpna.m

Injection Date: 08-AUG-2006 09:27
Init. Cal. Date(s): 04-AUG-2006 04-AUG-2006
Init. Cal. Times: 10:25 12:28
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 Naphthalene	0.99759	0.98250	0.010	1.51324	20.00000	Averaged
$ 3 2-Methylnaphthalene-d10	0.51514	0.48885	0.010	5.10275	20.00000	Averaged
4 2-Methylnaphthalene	0.59078	0.55466	0.010	6.11408	20.00000	Averaged
5 1-Methylnaphthalene	0.61969	0.57389	0.010	7.39214	20.00000	Averaged
7 Acenaphthylene	1.65817	1.64697	0.010	0.67596	20.00000	Averaged
9 Acenaphthene	0.98203	0.94141	0.010	4.13684	20.00000	Averaged
10 Dibenzofuran	1.44651	1.37714	0.010	4.79588	20.00000	Averaged
11 Fluorene	1.12609	1.08235	0.010	3.88354	20.00000	Averaged
16 Phenanthrene	1.02657	0.98877	0.010	3.68156	20.00000	Averaged
17 Anthracene	1.02589	0.99616	0.010	2.89788	20.00000	Averaged
19 Fluoranthene	1.04707	1.03517	0.010	1.13657	20.00000	Averaged
20 Pyrene	1.28426	1.21415	0.010	5.45865	20.00000	Averaged
22 Benzo(a)anthracene	1.20437	1.11996	0.010	7.00843	20.00000	Averaged
24 Chrysene	1.11086	1.07559	0.010	3.17449	20.00000	Averaged
28 Benzo(b)fluoranthene	1.12875	1.08056	0.010	4.26999	20.00000	Averaged
29 Benzo(k)fluoranthene	1.20336	1.16256	0.010	3.39022	20.00000	Averaged
30 Benzo(a)pyrene	1.09986	0.99597	0.010	9.44567	20.00000	Averaged
33 Indeno(1,2,3-cd)pyrene	1.26484	1.14760	0.010	9.26923	20.00000	Averaged
$ 32 Dibenz(a,h)anthrancene-d14	0.76539	0.72971	0.010	4.66292	20.00000	Averaged
34 Dibenz(a,h)anthracene	1.03328	0.97344	0.010	5.79132	20.00000	Averaged
35 Benzo(g,h,i)perylene	1.05141	0.99046	0.010	5.79629	20.00000	Averaged
48 Biphenyl	1.23570	1.18209	0.010	4.33840	20.00000	Averaged
49 2,6-Dimethylnaphthalene	0.97325	0.96334	0.010	1.01844	20.00000	Averaged
50 2,3,5-Trimethylnaphthalene	0.79717	0.75734	0.010	4.99652	20.00000	Averaged
51 1-Methylphenanthrene	0.81867	0.78740	0.010	3.81908	20.00000	Averaged
52 Benzo(e)pyrene	1.21746	1.11936	0.010	8.05785	20.00000	Averaged
53 Perylene	1.14310	1.02986	0.010	9.90664	20.00000	Averaged

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060810.b/cc0810.d
Lab Smp Id: CC0810
Inj Date : 10-AUG-2006 13:23
Operator : VTS Inst ID: nt1.i
Smp Info : CC0810
Misc Info :
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: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	1	Naphthalene-d8	136	6.874	6.874	(1.000)	253209	2.00000	
	2	Naphthalene	128	6.898	6.898	(1.003)	298106	2.50000	2.360
$	3	2-Methylnaphthalene-d10	152	7.630	7.630	(1.110)	146034	2.50000	2.239
	4	2-Methylnaphthalene	142	7.666	7.666	(1.115)	168022	2.50000	2.246
	5	1-Methylnaphthalene	142	7.796	7.796	(1.134)	168254	2.50000	2.145
	7	Acenaphthylene	152	8.753	8.753	(0.979)	247823	2.50000	2.446
*	8	Acenaphthene-d10	164	8.937	8.937	(1.000)	122198	2.00000	
	9	Acenaphthene	153	8.972	8.972	(1.004)	143194	2.50000	2.387
	10	Dibenzofuran	168	9.161	9.161	(1.025)	205725	2.50000	2.328
	11	Fluorene	166	9.587	9.587	(1.073)	164339	2.50000	2.389
*	15	Phenanthrene-d10	188	10.745	10.745	(1.000)	181565	2.00000	
	16	Phenanthrene	178	10.775	10.775	(1.003)	221931	2.50000	2.381
	17	Anthracene	178	10.828	10.828	(1.008)	221577	2.50000	2.379
	19	Fluoranthene	202	12.270	12.270	(1.142)	217386	2.50000	2.287
	20	Pyrene	202	12.554	12.554	(0.893)	232447	2.50000	2.515
	22	Benzo(a)anthracene	228	14.037	14.037	(0.999)	204443	2.50000	2.358
*	23	Chrysene-d12	240	14.055	14.055	(1.000)	143956	2.00000	
	24	Chrysene	228	14.090	14.090	(1.003)	189968	2.50000	2.376
	28	Benzo(b)fluoranthene	252	15.426	15.426	(0.964)	199182	2.50000	2.242
	29	Benzo(k)fluoranthene	252	15.455	15.455	(0.966)	242053	2.50000	2.556
	30	Benzo(a)pyrene	252	15.916	15.916	(0.995)	191245	2.50000	2.209
*	31	Perylene-d12	264	15.999	15.999	(1.000)	157395	2.00000	
	33	Indeno(1,2,3-cd)pyrene	276	17.949	17.949	(1.122)	248571	2.50000	2.497
$	32	Dibenz(a,h)anthrancene-d14	292	17.873	17.873	(1.117)	154335	2.50000	2.562
	34	Dibenz(a,h)anthracene	278	17.944	17.944	(1.122)	202062	2.50000	2.485
	35	Benzo(g,h,i)perylene	276	18.529	18.529	(1.158)	220622	2.50000	2.666
	48	Biphenyl	154	8.204	8.204	(0.918)	178613	2.50000	2.366

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.399	8.399	(0.940)	139232	2.50000	2.341
50 2,3,5-Trimethylnaphthalene	170	9.421	9.421	(1.054)	113964	2.50000	2.340
51 1-Methylphenanthrene	192	11.549	11.549	(0.822)	157286	2.50000	2.669
52 Benzo(e)pyrene	252	15.840	15.840	(0.990)	222477	2.50000	2.322
53 Perylene	252	16.040	16.040	(1.003)	210282	2.50000	2.338

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: cc0810.d
Lab Smp Id: CC0810
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060810.b/simpna.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 13:23

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	253209	126604	506418	253209	0.00
8 Acenaphthene-d10	122198	61099	244396	122198	0.00
15 Phenanthrene-d10	181565	90782	363130	181565	0.00
23 Chrysene-d12	143956	71978	287912	143956	0.00
31 Perylene-d12	157395	78698	314790	157395	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.87	6.37	7.37	6.87	0.00
8 Acenaphthene-d10	8.94	8.44	9.44	8.94	0.00
15 Phenanthrene-d10	10.75	10.25	11.25	10.75	0.00
23 Chrysene-d12	14.05	13.55	14.55	14.05	0.00
31 Perylene-d12	16.00	15.50	16.50	16.00	0.00

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

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt1.i
Lab File ID: cc0810.d
Analysis Type:
Lab Sample ID: CC0810
Method: /chem3/nt1.i/20060810.b/simpna.m

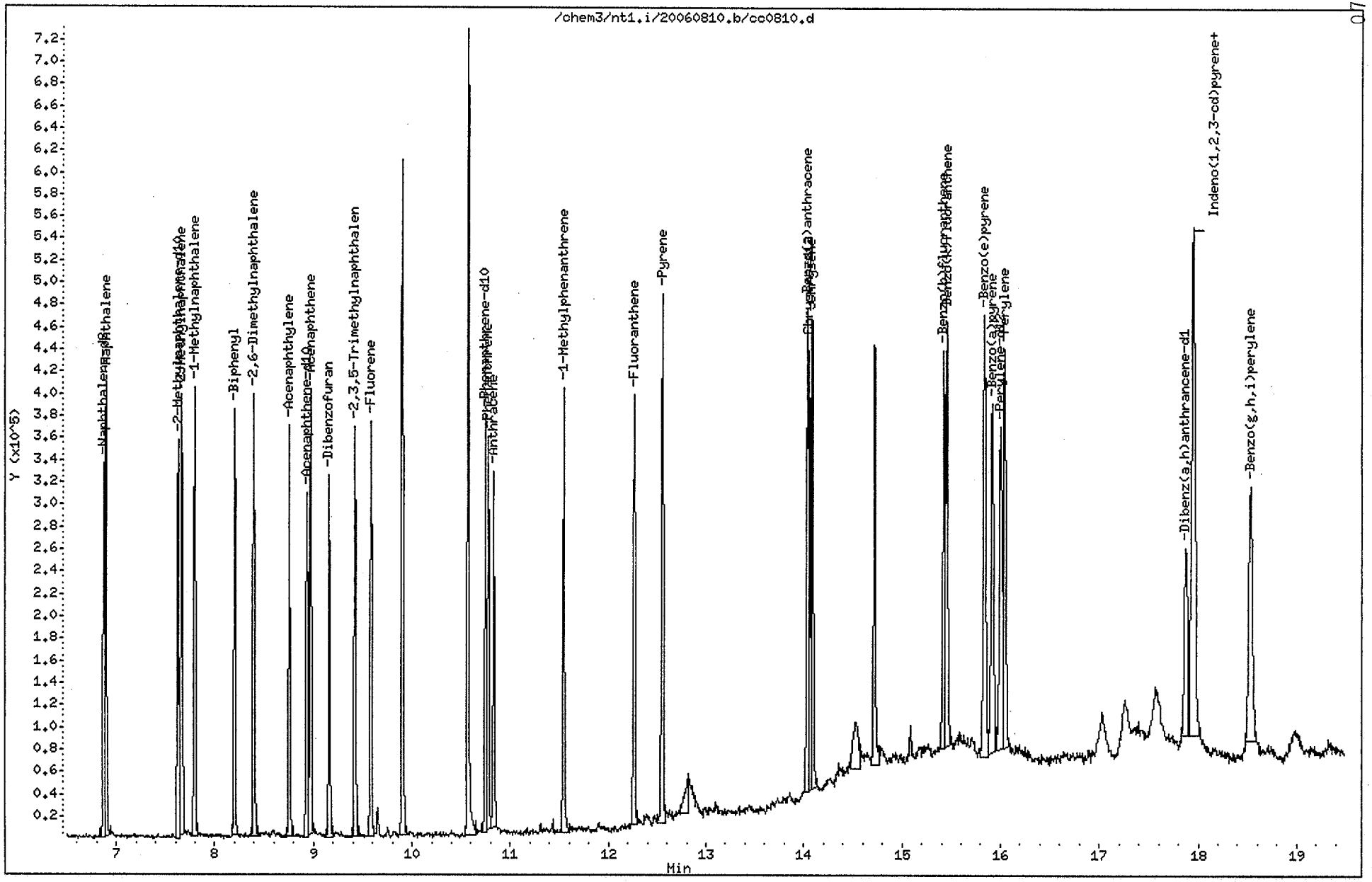
Injection Date: 10-AUG-2006 13:23
Init. Cal. Date(s): 04-AUG-2006 04-AUG-2006
Init. Cal. Times: 10:25 12:28
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 Naphthalene	0.99759	0.94185	0.010	5.58766	20.00000	Averaged
$ 3 2-Methylnaphthalene-d10	0.51514	0.46139	0.010	10.43408	20.00000	Averaged
4 2-Methylnaphthalene	0.59078	0.53086	0.010	10.14351	20.00000	Averaged
5 1-Methylnaphthalene	0.61969	0.53159	0.010	14.21758	20.00000	Averaged
7 Acenaphthylene	1.65817	1.62244	0.010	2.15529	20.00000	Averaged
9 Acenaphthene	0.98203	0.93746	0.010	4.53918	20.00000	Averaged
10 Dibenzofuran	1.44651	1.34683	0.010	6.89112	20.00000	Averaged
11 Fluorene	1.12609	1.07589	0.010	4.45785	20.00000	Averaged
16 Phenanthrene	1.02657	0.97786	0.010	4.74497	20.00000	Averaged
17 Anthracene	1.02589	0.97630	0.010	4.83365	20.00000	Averaged
19 Fluoranthene	1.04707	0.95783	0.010	8.52295	20.00000	Averaged
20 Pyrene	1.28426	1.29177	0.010	-0.58473	20.00000	Averaged
22 Benzo(a)anthracene	1.20437	1.13614	0.010	5.66516	20.00000	Averaged
24 Chrysene	1.11086	1.05570	0.010	4.96535	20.00000	Averaged
28 Benzo(b)fluoranthene	1.12875	1.01239	0.010	10.30874	20.00000	Averaged
29 Benzo(k)fluoranthene	1.20336	1.23030	0.010	-2.23849	20.00000	Averaged
30 Benzo(a)pyrene	1.09986	0.97205	0.010	11.62046	20.00000	Averaged
33 Indeno(1,2,3-cd)pyrene	1.26484	1.26343	0.010	0.11166	20.00000	Averaged
$ 32 Dibenz(a,h)anthrancene-d14	0.76539	0.78445	0.010	-2.48915	20.00000	Averaged
34 Dibenz(a,h)anthracene	1.03328	1.02703	0.010	0.60516	20.00000	Averaged
35 Benzo(g,h,i)perylene	1.05141	1.12137	0.010	-6.65415	20.00000	Averaged
48 Biphenyl	1.23570	1.16934	0.010	5.37087	20.00000	Averaged
49 2,6-Dimethylnaphthalene	0.97325	0.91152	0.010	6.34276	20.00000	Averaged
50 2,3,5-Trimethylnaphthalene	0.79717	0.74609	0.010	6.40762	20.00000	Averaged
51 1-Methylphenanthrene	0.81867	0.87408	0.010	-6.76844	20.00000	Averaged
52 Benzo(e)pyrene	1.21746	1.13080	0.010	7.11814	20.00000	Averaged
53 Perylene	1.14310	1.06881	0.010	6.49919	20.00000	Averaged

Data File: /chem3/nt1.i/20060810.b/cc0810.d
Date : 10-AUG-2006 13:23
Client ID:
Sample Info: CC0810

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

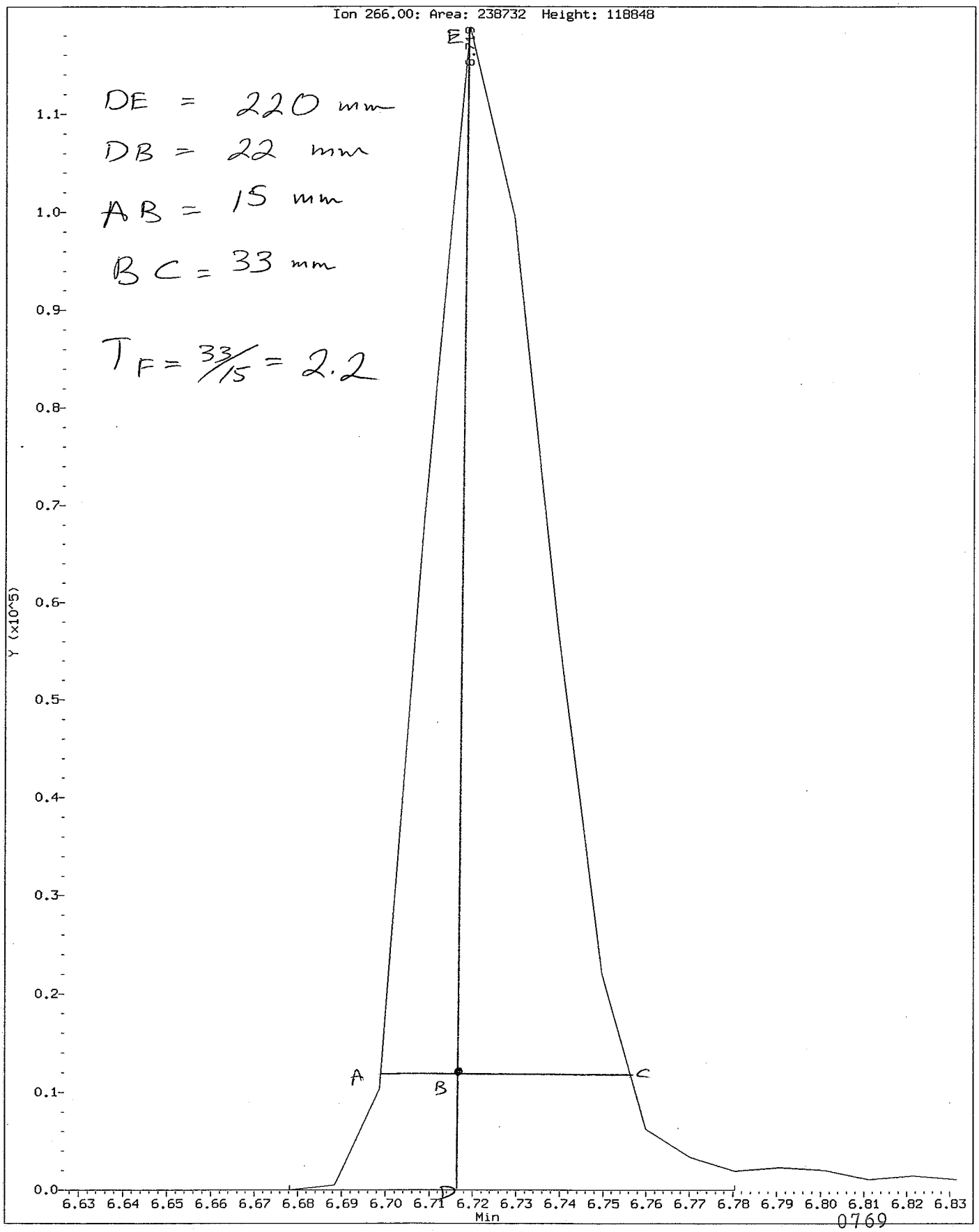
Column phase: ZB-5



0768

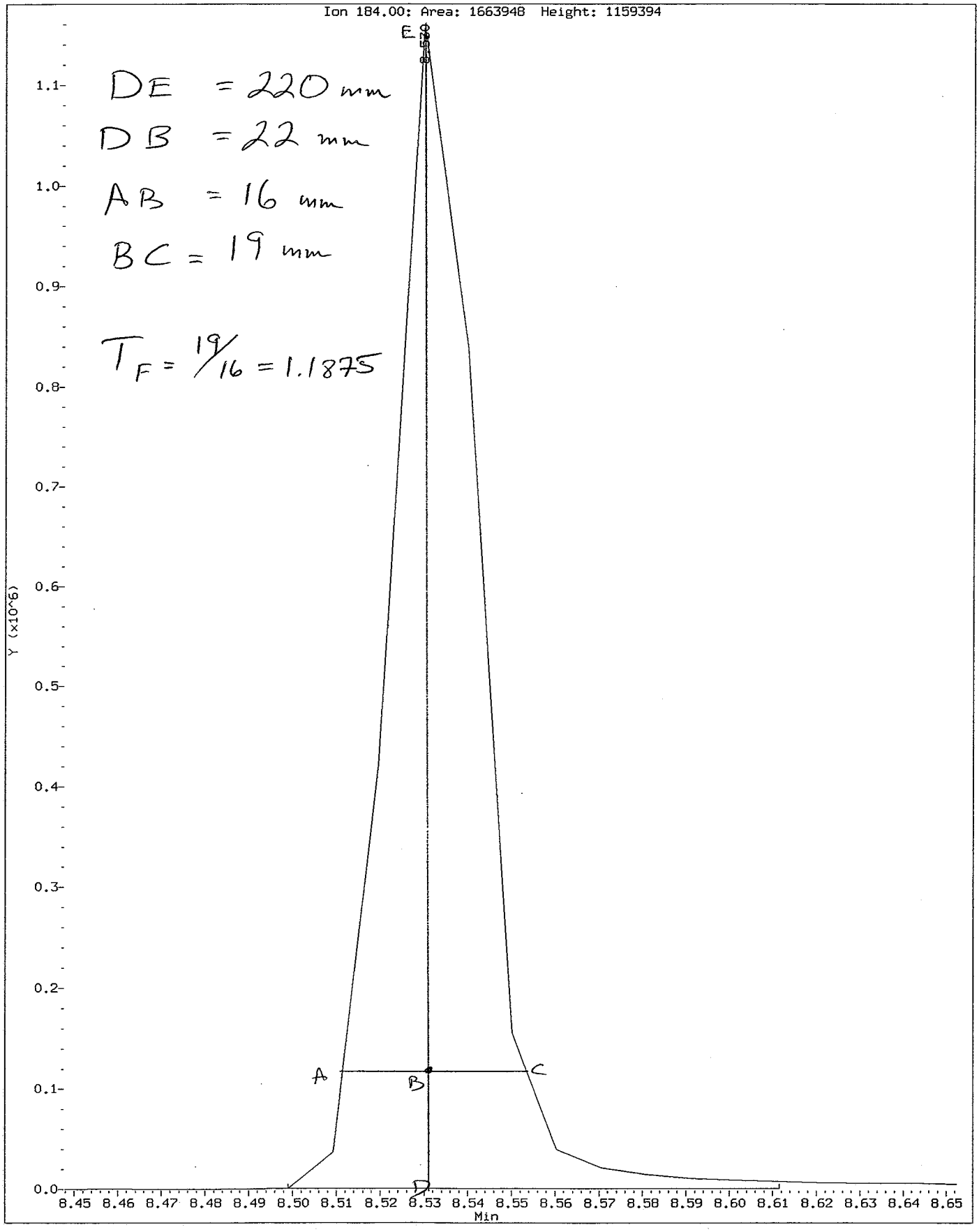
Data File: /chem3/nt1.i/20060810.b/ddt.b/df0810.d
Injection Date: 10-AUG-2006 13:08
Instrument: nt1.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem3/nt1.i/20060810.b/ddt.b/df0810.d
Injection Date: 10-AUG-2006 13:08
Instrument: nt1.i
Client Sample ID:

Compound: Benzidine
CAS Number:



Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem3/nt1.i/20060810.b/ddt.b/df0810.d ARI ID: DF0810
Method: /chem3/nt1.i/20060810.b/ddt.b/sw846ddt.m Misc:
Analysis Date: 10-AUG-2006 13:08 Instrument: nt1.i

COMPOUND	RT	AREA
Pentachlorophenol	6.719	238732
Benzidine	8.530	1663948
4,4'-DDE	8.806	5639
4,4'-DDD	9.225	81106
4,4'-DDT	9.594	459393

$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(5639 + 81106) * 100}{(5639 + 81106 + 459393)}$$

DDT Percent Breakdown = 15.9 %

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060810.b/icv0810.d
Lab Smp Id: ICV0810
Inj Date : 10-AUG-2006 13:48
Operator : VTS Inst ID: nt1.i
Smp Info : ICV0810
Misc Info :
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: 1
Dil Factor: 1.00000 (1330-1)
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
*	1 Naphthalene-d8	136	6.872	6.874	(1.000)	230120	2.00000	
	2 Naphthalene	128	6.896	6.898	(1.003)	332850	2.89982	2.900
$	3 2-Methylnaphthalene-d10	152	7.629	7.630	(1.110)	169563	2.86078	2.861(R)
	4 2-Methylnaphthalene	142	7.664	7.666	(1.115)	193173	2.84181	2.842
	5 1-Methylnaphthalene	142	7.800	7.796	(1.135)	186664	2.61793	2.618
	7 Acenaphthylene	152	8.757	8.753	(0.980)	278653	3.03851	3.039
*	8 Acenaphthene-d10	164	8.935	8.937	(1.000)	110612	2.00000	
	9 Acenaphthene	153	8.970	8.972	(1.004)	158144	2.91176	2.912
	10 Dibenzofuran	168	9.159	9.161	(1.025)	234039	2.92546	2.925
	11 Fluorene	166	9.585	9.587	(1.073)	181997	2.92227	2.922
*	15 Phenanthrene-d10	188	10.743	10.745	(1.000)	164662	2.00000	
	16 Phenanthrene	178	10.773	10.775	(1.003)	249764	2.95514	2.955
	17 Anthracene	178	10.832	10.828	(1.008)	246503	2.91850	2.918
	19 Fluoranthene	202	12.268	12.270	(1.142)	248619	2.88399	2.884
	20 Pyrene	202	12.558	12.554	(0.893)	267067	3.02005	3.020
	22 Benzo(a)anthracene	228	14.035	14.037	(0.998)	238129	2.87143	2.871
*	23 Chrysene-d12	240	14.059	14.055	(1.000)	137716	2.00000	
	24 Chrysene	228	14.088	14.090	(1.002)	226304	2.95855	2.959
	28 Benzo(b)fluoranthene	252	15.424	15.426	(0.964)	250989	3.02785	3.028
	29 Benzo(k)fluoranthene	252	15.454	15.455	(0.966)	246463	2.78892	2.789
	30 Benzo(a)pyrene	252	15.914	15.916	(0.994)	218281	2.70245	2.702
*	31 Perylene-d12	264	16.003	15.999	(1.000)	146876	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.953	17.949	(1.122)	267701	2.88200	2.882
$	32 Dibenz(a,h)anthrancene-d14	292	17.877	17.873	(1.117)	126610	2.25248	2.252(R)
	34 Dibenz(a,h)anthracene	278	17.948	17.944	(1.121)	219928	2.89828	2.898
	35 Benzo(g,h,i)perylene	276	18.533	18.529	(1.158)	234498	3.03702	3.037
	48 Biphenyl	154	Compound Not Detected.					

1227

VTS
8.11.2006

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
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	Compound Not Detected.					
53 Perylene	252	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: icv0810.d
Lab Smp Id: ICV0810
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060810.b/simpna.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 13:23
Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	253209	126604	506418	230120	-9.12
8 Acenaphthene-d10	122198	61099	244396	110612	-9.48
15 Phenanthrene-d10	181565	90782	363130	164662	-9.31
23 Chrysene-d12	143956	71978	287912	137716	-4.33
31 Perylene-d12	157395	78698	314790	146876	-6.68

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.87	6.37	7.37	6.87	-0.03
8 Acenaphthene-d10	8.94	8.44	9.44	8.93	-0.02
15 Phenanthrene-d10	10.75	10.25	11.25	10.74	-0.02
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: Client SDG: 20060810
Sample Matrix: NONE Fraction: SV
Lab Smp Id: ICV0810
Level: Operator: VTS
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: pnalcss.spk Quant Type: ISTD
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060810.b/simpna.m
Misc Info:

SURROGATE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	3.000	2.861	95.36	
$ 32 Dibenz(a,h)anthran	3.000	2.252	75.08	

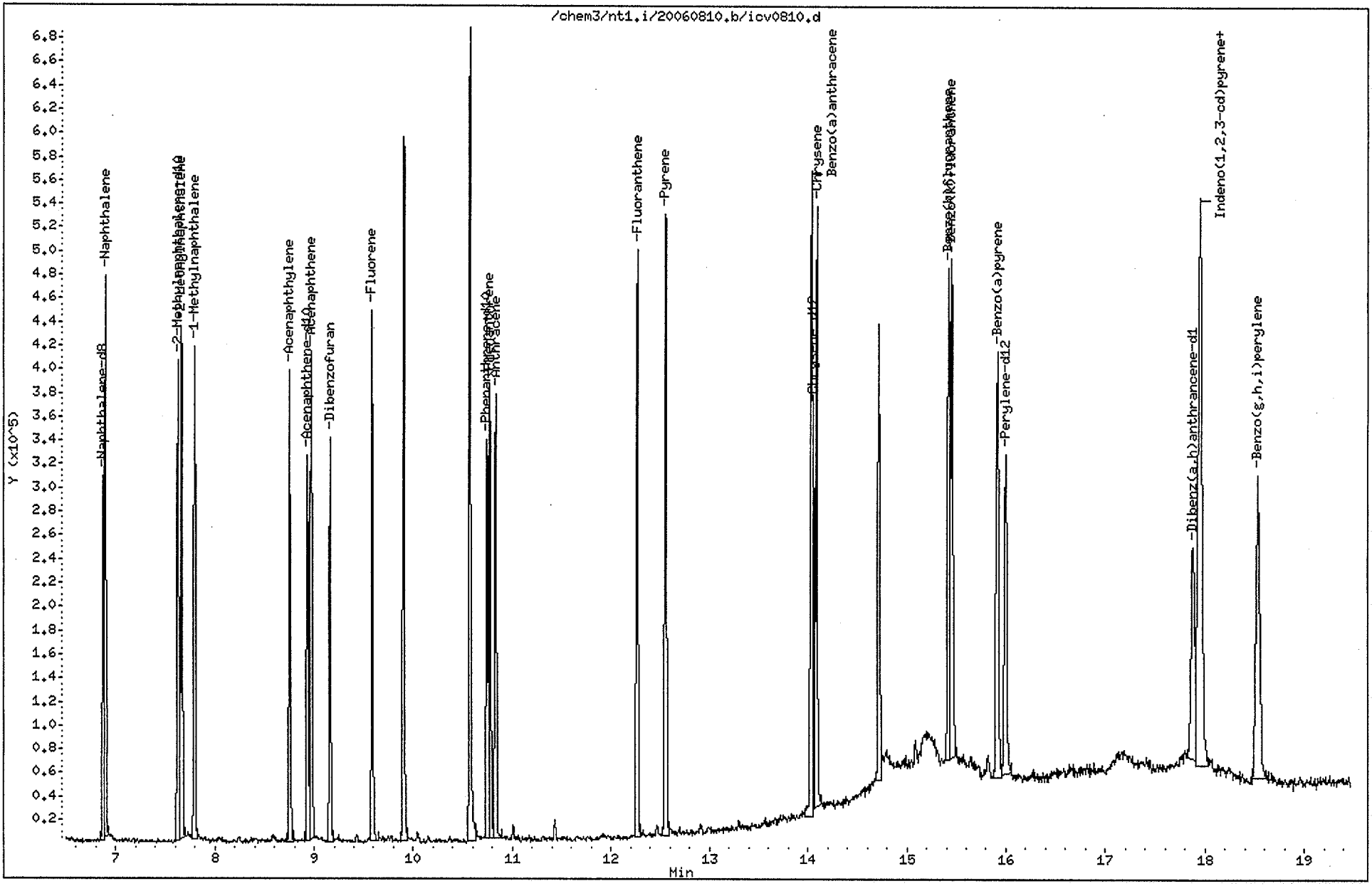
Data File: /chem3/nt1.i/20060810.b/icv0810.d
Date : 10-AUG-2006 13:48
Client ID:
Sample Info: ICV0810

Instrument: nt1.i

Operator: VTS
Column diameter: 0.25

Column phase: ZB-5

0776



SIM Semivolatile Analysis
QC Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ33

prepared
by

Analytical Resources, Inc.

Data File: /chem3/nt1.i/20060804.b/df0804.d

Date : 04-AUG-2006 09:53

Client ID:

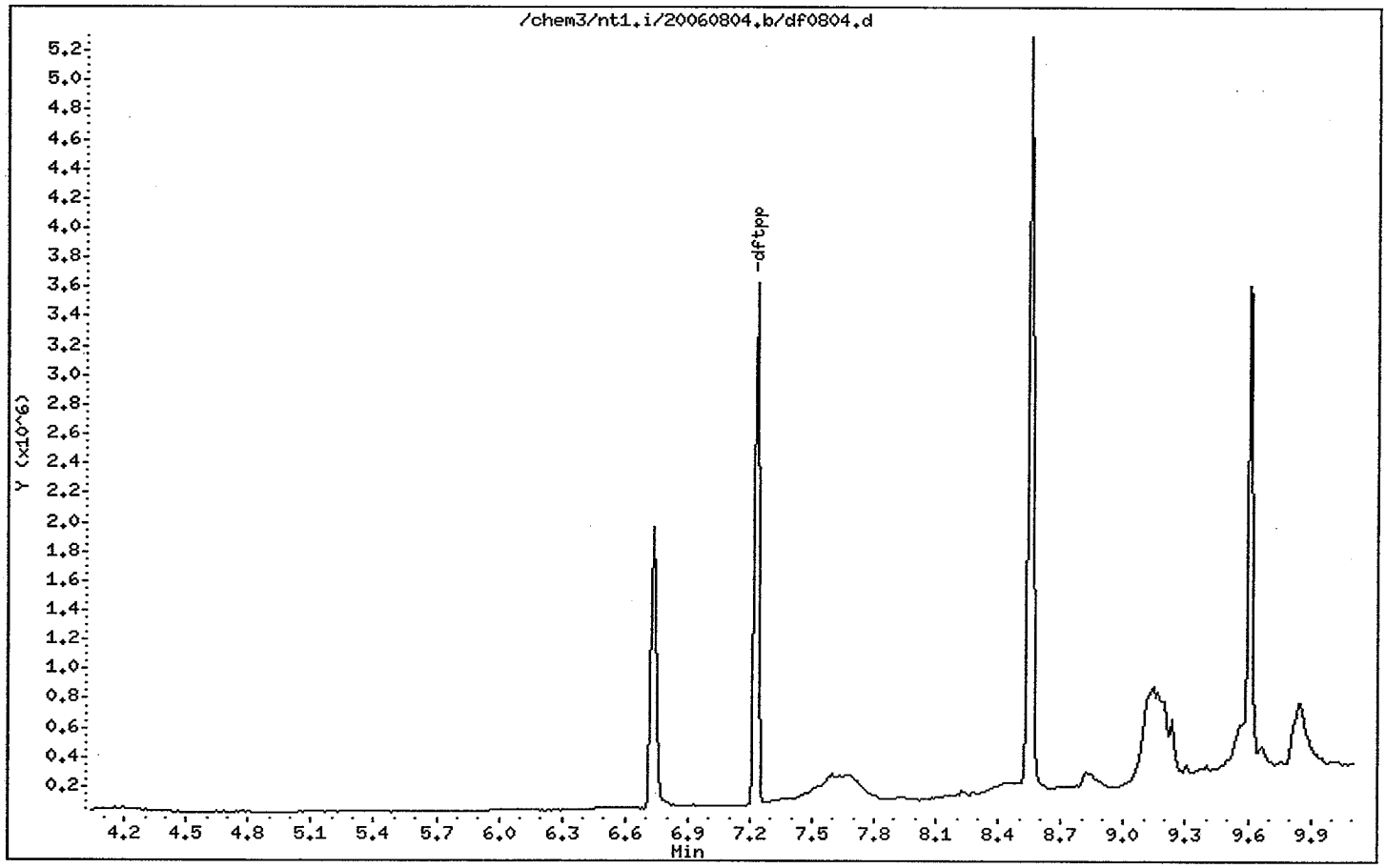
Instrument: nt1.i

Sample Info: DF0804

Operator: LJR

Column phase: ZB-5

Column diameter: 0.25



Data File: /chem3/nt1.i/20060804.b/df0804.d

Date : 04-AUG-2006 09:53

Client ID:

Instrument: nt1.i

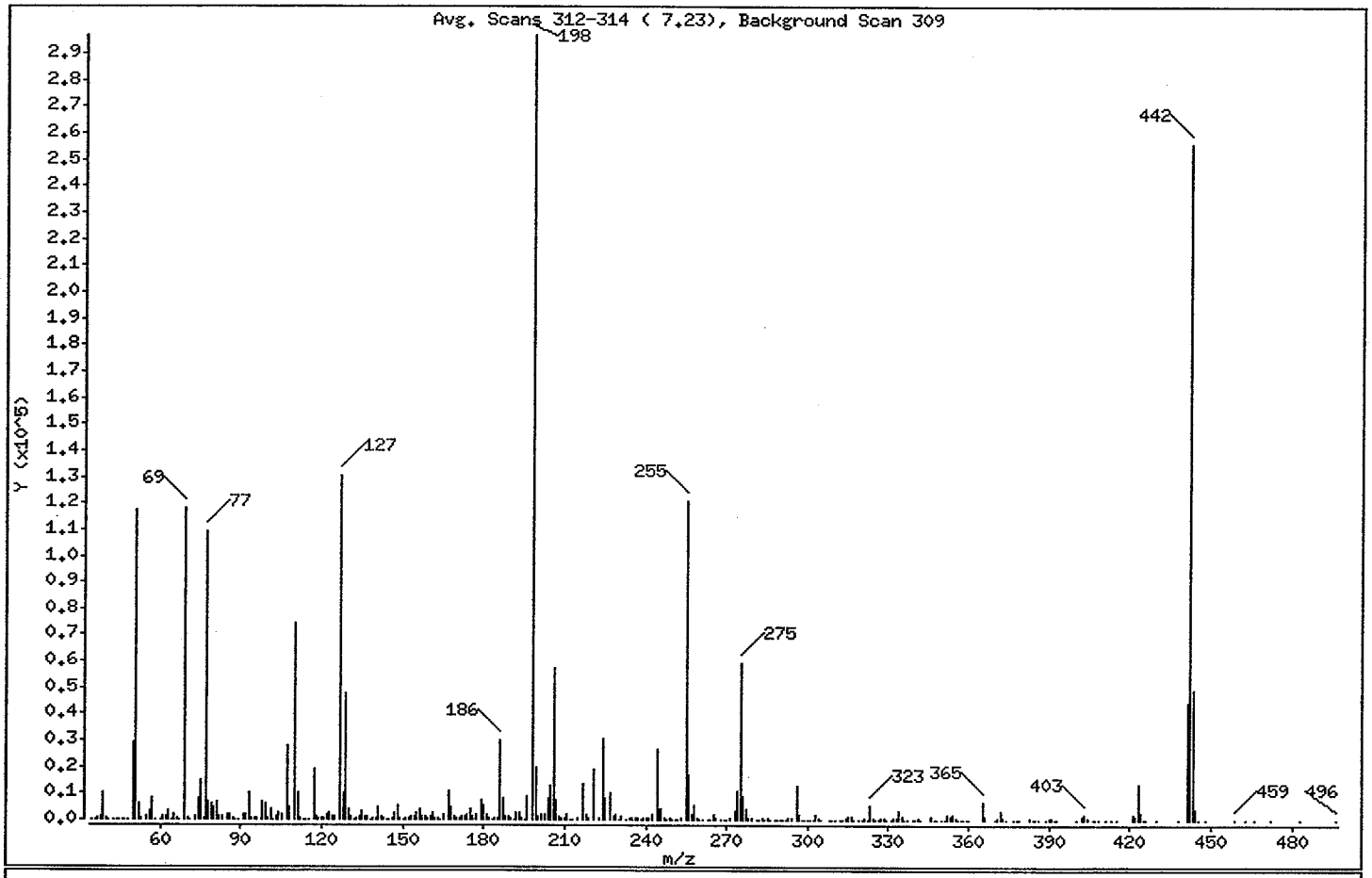
Sample Info: DF0804

Operator: LJR

Column phase: ZB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	39.50
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	39.68
70	Less than 2.00% of mass 69	0.16 (0.41)
127	25.00 - 75.00% of mass 198	43.90
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.74
275	10.00 - 30.00% of mass 198	20.06
365	Greater than 0.75% of mass 198	2.25
441	Present, but less than mass 443	15.05
442	40.00 - 110.00% of mass 198	86.30
443	15.00 - 24.00% of mass 442	16.57 (19.20)

Data File: /chem3/nt1.i/20060804.b/df0804.d

Date : 04-AUG-2006 09:53

Client ID:

Instrument: nt1.i

Sample Info: DF0804

Operator: LJR

Column phase: ZB-5

Column diameter: 0.25

Data File: df0804.d

Spectrum: Avg. Scans 312-314 (7.23), Background Scan 309

Location of Maximum: 198.00

Number of points: 334

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	104	132.00	167	224.00	30960	322.00	41
36.00	193	133.00	466	225.00	8338	323.00	5687
37.00	380	134.00	1065	227.00	10334	324.00	830
38.00	1590	135.00	3386	228.00	1446	325.00	119
39.00	10316	136.00	1562	229.00	2189	326.00	95
40.00	425	137.00	1212	230.00	311	327.00	1021
41.00	335	138.00	180	231.00	1054	328.00	547
43.00	227	139.00	580	233.00	313	329.00	137
44.00	211	140.00	405	234.00	557	331.00	40
45.00	202	141.00	4914	235.00	775	332.00	367
46.00	24	142.00	1661	236.00	744	333.00	546
47.00	77	143.00	949	237.00	875	334.00	3425
48.00	153	144.00	154	238.00	183	335.00	1088
50.00	29200	145.00	242	239.00	638	336.00	100
51.00	117304	146.00	698	240.00	494	337.00	64
52.00	6047	147.00	3045	241.00	763	339.00	109
53.00	380	148.00	5247	242.00	1902	340.00	117
55.00	1228	149.00	897	244.00	26648	341.00	727
56.00	3107	150.00	312	245.00	3816	342.00	125
57.00	7948	151.00	905	246.00	4009	346.00	1122
58.00	274	152.00	440	247.00	917	347.00	226
60.00	313	153.00	1416	248.00	292	348.00	65
61.00	1226	154.00	1605	249.00	1018	350.00	96
62.00	1199	155.00	2395	250.00	197	351.00	71
63.00	3460	156.00	4278	251.00	287	352.00	1862
64.00	146	157.00	1141	252.00	263	353.00	1254
65.00	1816	158.00	1118	253.00	618	354.00	1708
66.00	346	159.00	380	255.00	120568	355.00	354
67.00	14	160.00	1651	256.00	17008	356.00	62
69.00	117848	161.00	2422	257.00	1714	357.00	50
70.00	484	162.00	641	258.00	5492	358.00	44
71.00	265	163.00	453	259.00	948	359.00	236
73.00	1283	164.00	100	260.00	203	360.00	34
74.00	8041	165.00	1901	261.00	336	365.00	6669
75.00	15094	167.00	10942	263.00	177	366.00	1065

Data File: /chem3/nt1.i/20060804.b/df0804.d

Date : 04-AUG-2006 09:53

Client ID:

Instrument: nt1.i

Sample Info: DF0804

Operator: LJR

Column phase: ZB-5

Column diameter: 0.25

Data File: df0804.d

Spectrum: Avg. Scans 312-314 (7.23), Background Scan 309

Location of Maximum: 198.00

Number of points: 334

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	610	168.00	4520	264.00	10	370.00	309
77.00	109344	169.00	1050	265.00	2375	371.00	342
78.00	7104	170.00	425	266.00	668	372.00	3218
79.00	6358	171.00	352	268.00	123	373.00	780
80.00	5009	172.00	1118	269.00	23	374.00	155
81.00	6496	173.00	1145	270.00	231	377.00	121
82.00	1587	174.00	2276	271.00	451	378.00	48
83.00	1619	175.00	3854	273.00	3728	379.00	74
85.00	1798	176.00	1631	274.00	10740	383.00	883
86.00	2108	177.00	1801	275.00	59576	384.00	252
87.00	635	179.00	7819	276.00	8737	385.00	68
88.00	273	180.00	5642	277.00	3970	386.00	41
89.00	165	181.00	2387	278.00	702	389.00	142
91.00	2045	182.00	391	279.00	348	390.00	342
92.00	1842	183.00	249	281.00	176	391.00	452
93.00	9941	184.00	779	282.00	182	392.00	229
94.00	638	185.00	460	283.00	607	393.00	131
95.00	664	186.00	30160	284.00	249	400.00	45
96.00	766	187.00	8078	285.00	556	402.00	1406
98.00	7107	188.00	1038	286.00	228	403.00	2105
99.00	5819	189.00	1454	288.00	144	404.00	700
100.00	419	190.00	411	289.00	251	406.00	58
101.00	4244	191.00	181	290.00	311	407.00	48
102.00	48	192.00	2691	291.00	318	408.00	44
103.00	1659	193.00	2495	292.00	197	411.00	39
104.00	2709	194.00	636	293.00	697	413.00	44
105.00	2115	195.00	132	294.00	364	415.00	128
107.00	27704	196.00	9213	296.00	13038	421.00	1715
108.00	4583	198.00	296960	297.00	1714	422.00	1202
110.00	74144	199.00	20000	298.00	35	423.00	13458
111.00	10557	200.00	1277	299.00	52	424.00	2775
112.00	828	201.00	1951	300.00	2	425.00	263
113.00	271	203.00	2161	301.00	187	426.00	43
114.00	203	204.00	8337	302.00	286	430.00	88
115.00	47	205.00	13190	303.00	1797	438.00	51

Data File: /chem3/nt1.i/20060804.b/df0804.d

Date : 04-AUG-2006 09:53

Client ID:

Instrument: nt1.i

Sample Info: DF0804

Operator: LJR

Column phase: ZB-5

Column diameter: 0.25

Data File: df0804.d

Spectrum: Avg. Scans 312-314 (7.23), Background Scan 309

Location of Maximum: 198.00

Number of points: 334

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	19192	206.00	57200	304.00	498	441.00	44680
118.00	1479	207.00	7504	305.00	39	442.00	256256
119.00	426	208.00	1444	308.00	273	443.00	49200
120.00	408	209.00	417	309.00	191	444.00	4351
121.00	486	210.00	743	310.00	302	445.00	255
122.00	1998	211.00	2156	312.00	34	448.00	42
123.00	3039	212.00	37	313.00	237	459.00	60
124.00	1393	213.00	269	314.00	726	463.00	39
125.00	1411	215.00	619	315.00	1404	466.00	39
127.00	130368	217.00	13804	316.00	1213	472.00	40
128.00	10523	218.00	1843	317.00	304	483.00	40
129.00	48016	219.00	356	319.00	66	496.00	40
130.00	3762	221.00	18928	320.00	80		
131.00	1072	223.00	480	321.00	439		

Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem3/nt1.i/20060804.b/ddt.b/df0804.d
Method: /chem3/nt1.i/20060804.b/ddt.b/sw846ddt.m
Analysis Date: 04-AUG-2006 09:53

ARI ID: DF0804
Misc:
Instrument: nt1.i

COMPOUND	RT	AREA
Pentachlorophenol	6.730	433592
Benzidine	8.551	2972773
4,4'-DDE	8.817	7261
4,4'-DDD	9.236	71178
4,4'-DDT	9.615	970302

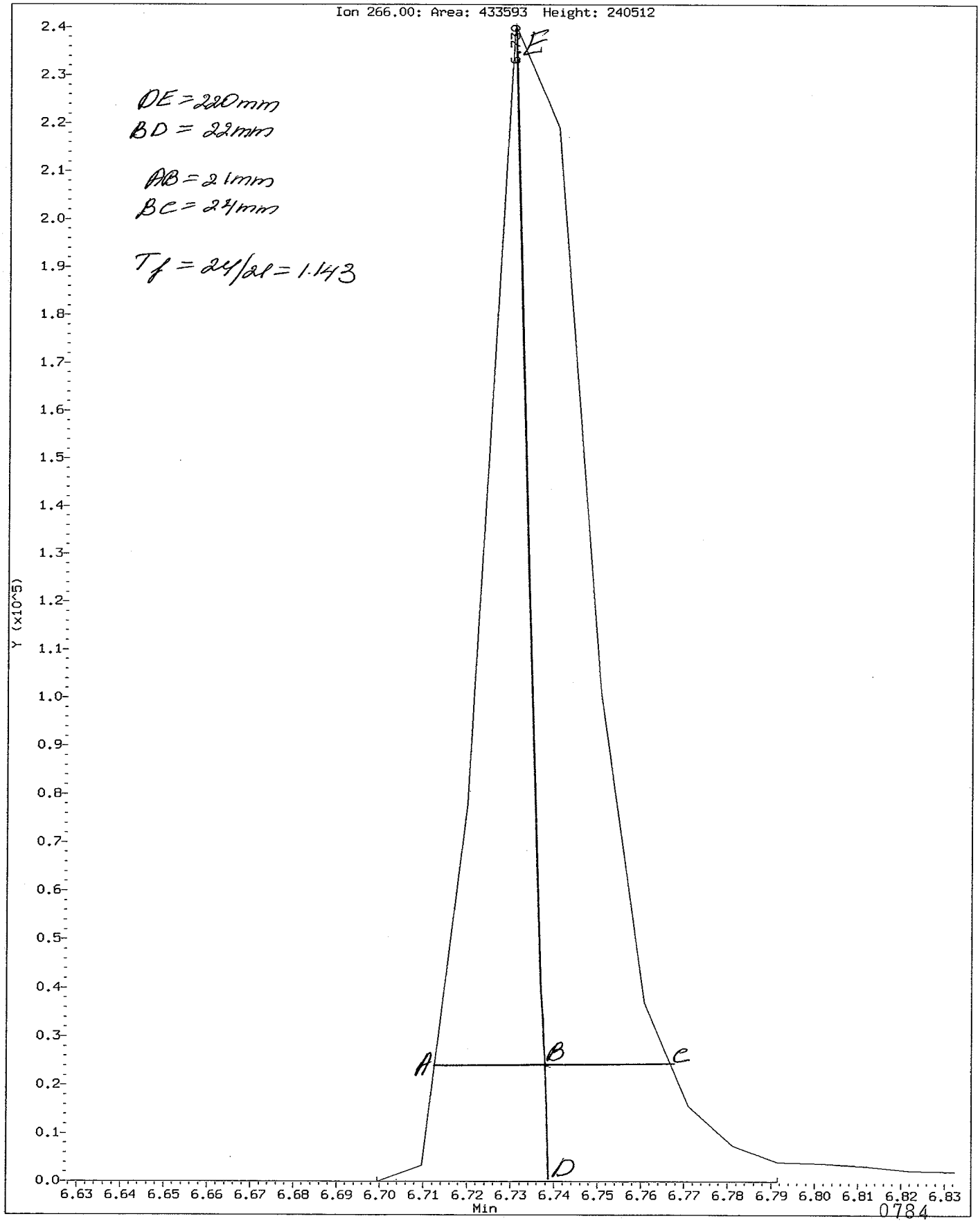
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(\ 7261 + 71178) * 100}{(\ 7261 + 71178 + 970302)}$$

DDT Percent Breakdown = 7.5 %

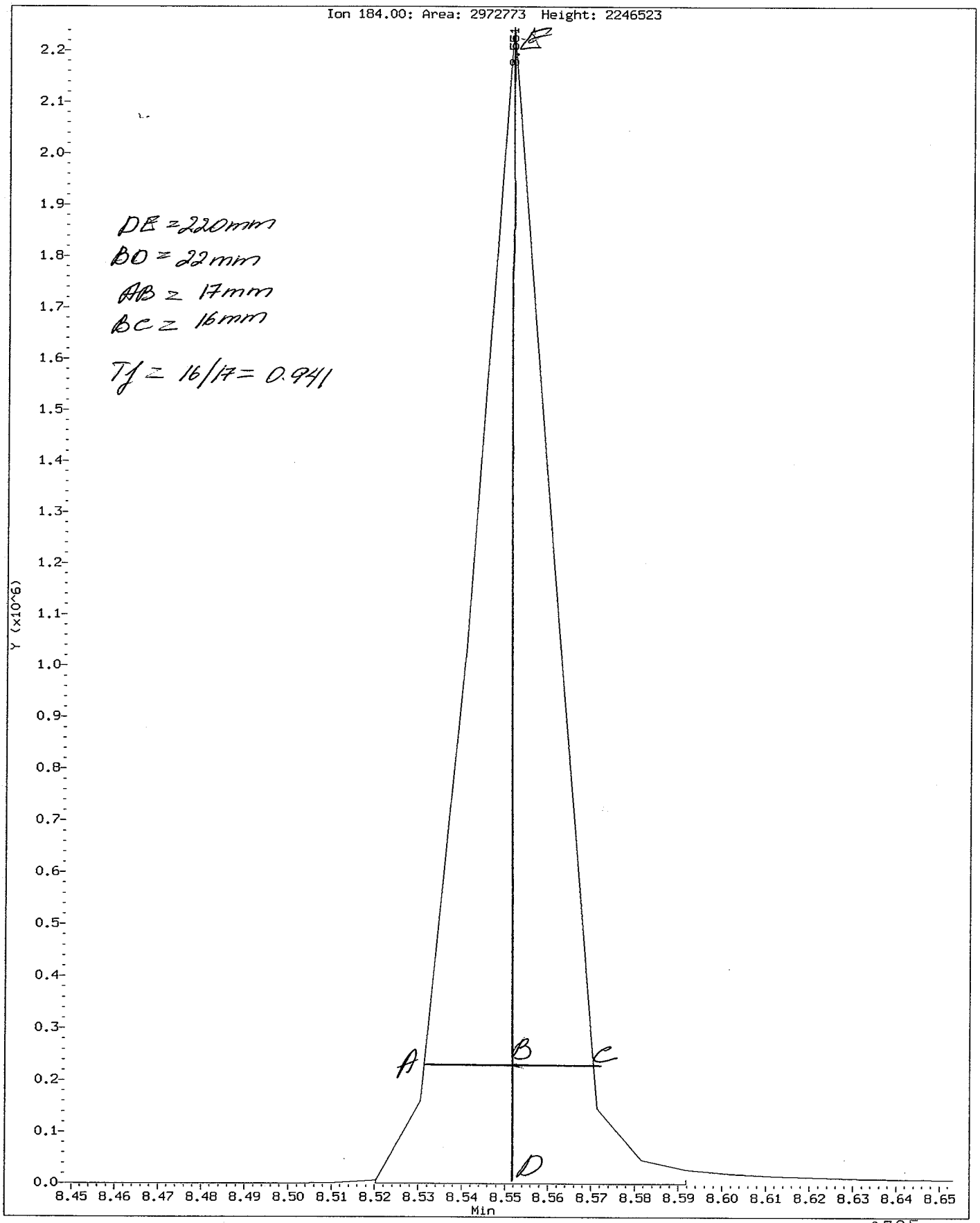
Data File: /chem3/nt1.i/20060804.b/ddt.b/df0804.d
Injection Date: 04-AUG-2006 09:53
Instrument: nt1.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem3/nt1.i/20060804.b/ddt.b/df0804.d
Injection Date: 04-AUG-2006 09:53
Instrument: nt1.i
Client Sample ID:

Compound: Benzidine
CAS Number:



Data File: /chem3/nt1.i/20060807.b/df0807.d

Date : 07-AUG-2006 10:24

Client ID:

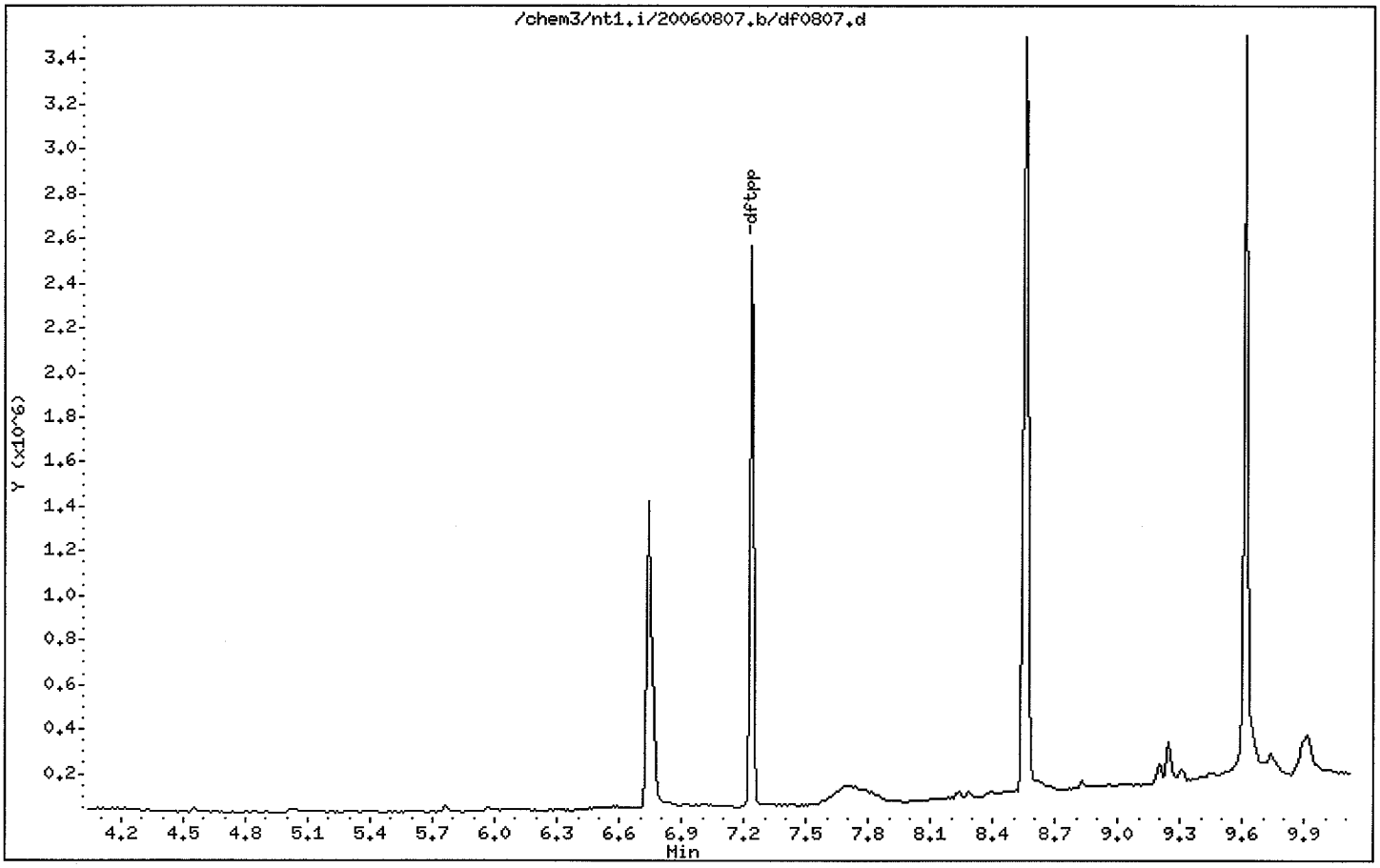
Instrument: nt1.i

Sample Info: DF0807

Operator: YZ

Column phase: ZB-5

Column diameter: 0.25



Data File: /chem3/nt1.i/20060807.b/df0807.d

Date : 07-AUG-2006 10:24

Client ID:

Instrument: nt1.i

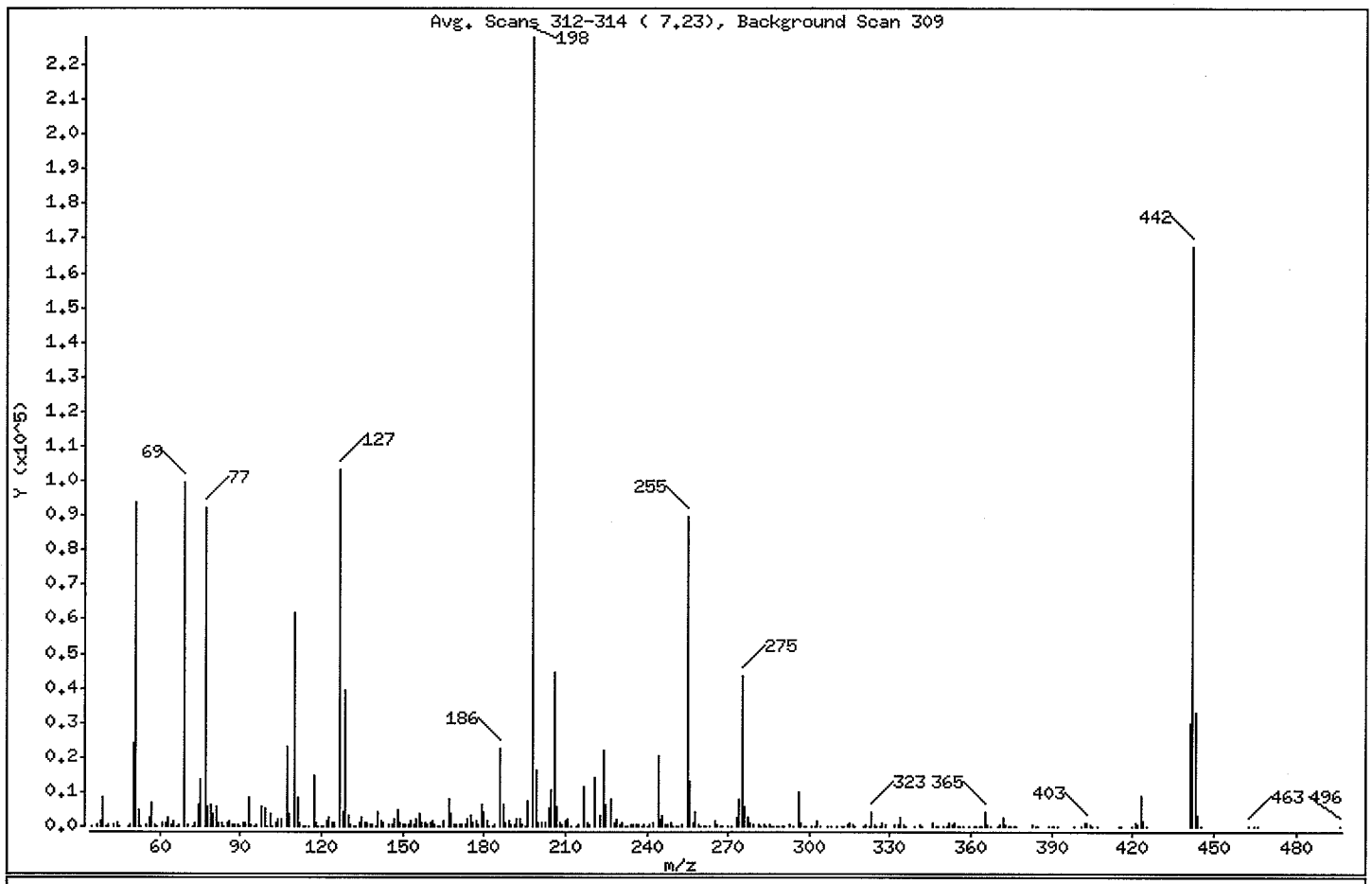
Sample Info: DF0807

Operator: YZ

Column phase: ZB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	41.21
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	43.67
70	Less than 2.00% of mass 69	0.16 (0.37)
127	25.00 - 75.00% of mass 198	45.24
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.20
275	10.00 - 30.00% of mass 198	19.01
365	Greater than 0.75% of mass 198	1.92
441	Present, but less than mass 443	13.10
442	40.00 - 110.00% of mass 198	73.50
443	15.00 - 24.00% of mass 442	14.45 (19.67)

Data File: /chem3/nt1.i/20060807.b/df0807.d

Date : 07-AUG-2006 10:24

Client ID:

Instrument: nt1.i

Sample Info: DF0807

Operator: YZ

Column phase: ZB-5

Column diameter: 0.25

Data File: df0807.d
Spectrum: Avg. Scans 312-314 (7.23), Background Scan 309
Location of Maximum: 198.00
Number of points: 321

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	48	130.00	2893	218.00	1181	315.00	1050
37.00	709	131.00	415	219.00	285	316.00	617
38.00	1394	132.00	230	221.00	14336	317.00	154
39.00	8315	133.00	216	223.00	2985	320.00	110
40.00	44	134.00	1067	224.00	21936	321.00	280
41.00	656	135.00	2822	225.00	6071	322.00	143
43.00	324	136.00	917	227.00	7652	323.00	4002
44.00	1011	137.00	1026	228.00	1100	324.00	665
45.00	235	138.00	422	229.00	1891	325.00	193
48.00	141	139.00	560	230.00	391	326.00	53
49.00	630	140.00	130	231.00	957	327.00	919
50.00	24120	141.00	4331	232.00	23	328.00	383
51.00	93888	142.00	1684	233.00	80	332.00	323
52.00	4611	143.00	891	234.00	602	333.00	374
53.00	102	145.00	550	235.00	770	334.00	2372
55.00	576	146.00	630	236.00	508	335.00	527
56.00	2579	147.00	2019	237.00	492	336.00	145
57.00	6629	148.00	4863	238.00	11	339.00	34
58.00	292	149.00	1150	239.00	520	341.00	433
59.00	190	150.00	325	240.00	179	342.00	162
61.00	836	151.00	468	241.00	553	346.00	935
62.00	1087	152.00	481	242.00	1160	347.00	185
63.00	2795	153.00	1498	244.00	20552	348.00	33
64.00	452	154.00	750	245.00	2185	350.00	43
65.00	1531	155.00	2099	246.00	3050	351.00	37
66.00	231	156.00	3832	247.00	414	352.00	1202
67.00	278	157.00	942	248.00	274	353.00	704
69.00	99512	158.00	918	249.00	786	354.00	1265
70.00	372	159.00	559	250.00	189	355.00	106
72.00	157	160.00	924	251.00	226	356.00	46
73.00	804	161.00	1554	252.00	83	357.00	59
74.00	6358	162.00	708	253.00	311	359.00	103
75.00	13469	163.00	45	255.00	89640	361.00	89
77.00	92040	164.00	61	256.00	12920	362.00	46
78.00	5932	165.00	1589	257.00	1086	363.00	40

Date : 07-AUG-2006 10:24

Client ID:

Instrument: nt1.i

Sample Info: DF0807

Operator: YZ

Column phase: ZB-5

Column diameter: 0.25

Data File: df0807.d
Spectrum: Avg. Scans 312-314 (7.23), Background Scan 309
Location of Maximum: 198.00
Number of points: 321

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	6029	167.00	8067	258.00	4083	364.00	64
80.00	3926	168.00	3449	259.00	760	365.00	4378
81.00	5696	169.00	562	260.00	166	366.00	590
82.00	1256	170.00	375	261.00	224	367.00	37
83.00	1230	171.00	534	262.00	117	370.00	150
84.00	42	172.00	673	263.00	122	371.00	279
85.00	1118	173.00	658	265.00	1616	372.00	2528
86.00	1348	174.00	1858	266.00	704	373.00	720
87.00	663	175.00	3266	267.00	180	374.00	50
88.00	526	176.00	1067	268.00	80	375.00	46
89.00	326	177.00	1313	270.00	67	376.00	63
90.00	52	178.00	625	271.00	210	377.00	43
91.00	1267	179.00	6266	273.00	2818	383.00	409
92.00	824	180.00	3977	274.00	7909	384.00	131
93.00	8356	181.00	1731	275.00	43304	385.00	61
94.00	518	182.00	180	276.00	5886	389.00	86
95.00	79	183.00	179	277.00	2744	390.00	174
96.00	652	184.00	319	278.00	977	391.00	153
98.00	6008	186.00	22632	279.00	387	392.00	115
99.00	5404	187.00	6271	281.00	265	398.00	38
100.00	240	188.00	848	282.00	46	401.00	57
101.00	3644	189.00	1375	283.00	675	402.00	881
102.00	172	190.00	328	284.00	176	403.00	1202
103.00	1085	191.00	275	285.00	610	404.00	394
104.00	2260	192.00	1958	286.00	118	405.00	58
105.00	2023	193.00	1928	287.00	37	407.00	37
107.00	22832	194.00	526	288.00	50	415.00	125
108.00	3888	195.00	90	289.00	211	416.00	65
110.00	61944	196.00	7253	290.00	36	420.00	40
111.00	8468	198.00	227840	291.00	54	421.00	1137
112.00	1017	199.00	16408	293.00	678	422.00	651
113.00	188	200.00	1241	294.00	147	423.00	8960
114.00	156	201.00	1223	296.00	9729	424.00	1603
115.00	73	203.00	1150	297.00	1162	425.00	162
117.00	14881	204.00	4999	298.00	91	441.00	29840

Data File: /chem3/nt1.i/20060807.b/df0807.d

Date : 07-AUG-2006 10:24

Client ID:

Instrument: nt1.i

Sample Info: DF0807

Operator: YZ

Column phase: ZB-5

Column diameter: 0.25

Data File: df0807.d
Spectrum: Avg. Scans 312-314 (7.23), Background Scan 309
Location of Maximum: 198.00
Number of points: 321

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	1178	205.00	10414	299.00	103	442.00	167424
119.00	184	206.00	44424	301.00	143	443.00	32928
120.00	186	207.00	5614	302.00	234	444.00	2894
121.00	6	208.00	1223	303.00	1396	445.00	110
122.00	1624	209.00	570	304.00	221	463.00	45
123.00	2388	210.00	1407	307.00	33	465.00	41
124.00	1019	211.00	2041	308.00	210	466.00	44
125.00	839	212.00	208	310.00	104	496.00	45
127.00	103080	214.00	104	312.00	140		
128.00	4301	215.00	410	313.00	134		
129.00	39528	217.00	11344	314.00	767		

Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem3/nt1.i/20060807.b/ddt.b/df0807.d ARI ID: DF0807
Method: /chem3/nt1.i/20060807.b/ddt.b/sw846ddt.m Misc:
Analysis Date: 07-AUG-2006 10:24 Instrument: nt1.i

COMPOUND	RT	AREA
Pentachlorophenol	6.741	322798
Benzidine	8.552	2211081
4,4'-DDE	8.828	4559
4,4'-DDD	9.248	41739
4,4'-DDT	9.616	768935

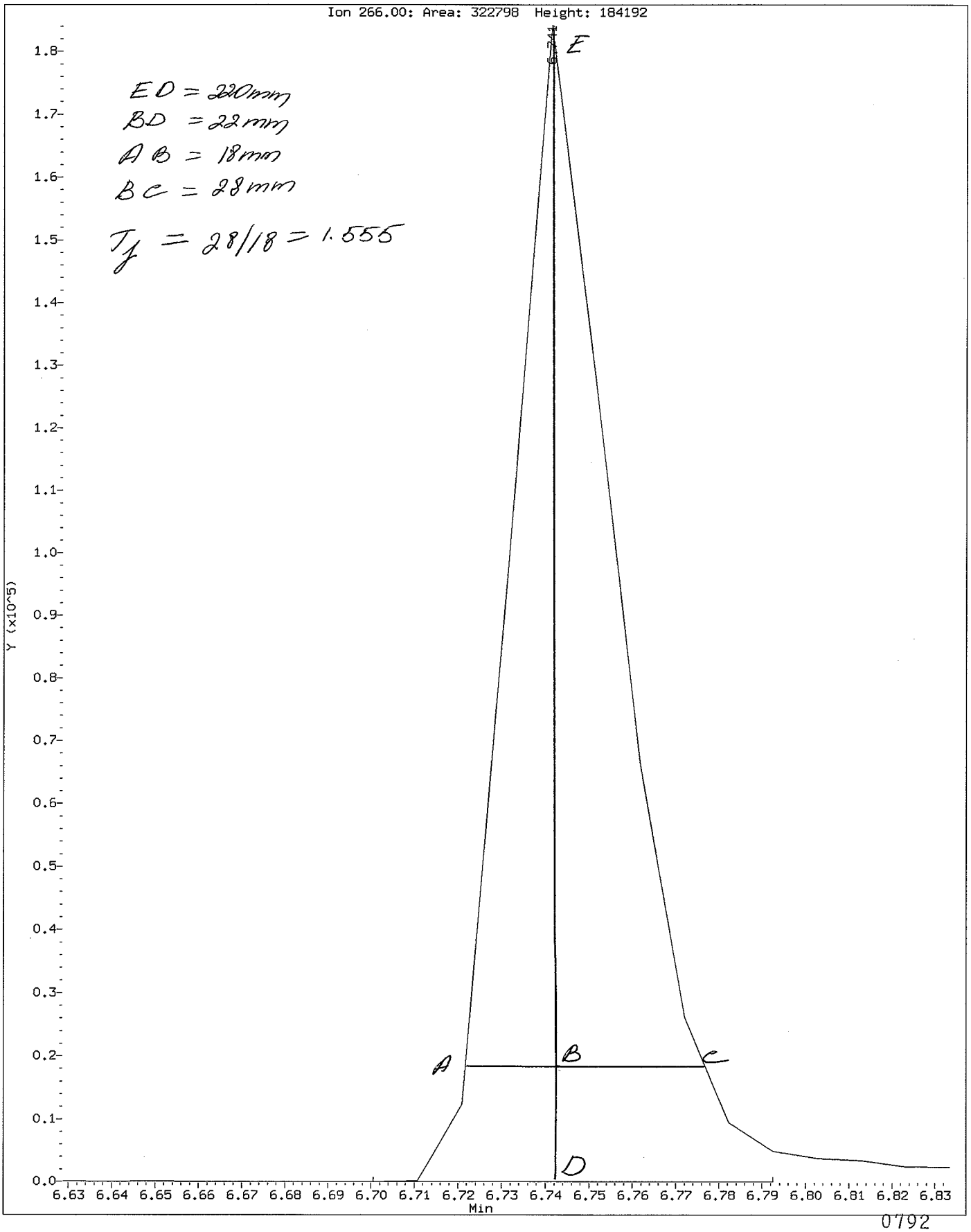
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(\ 4559 + 41739) * 100}{(\ 4559 + 41739 + 768935)}$$

DDT Percent Breakdown = 5.7 %

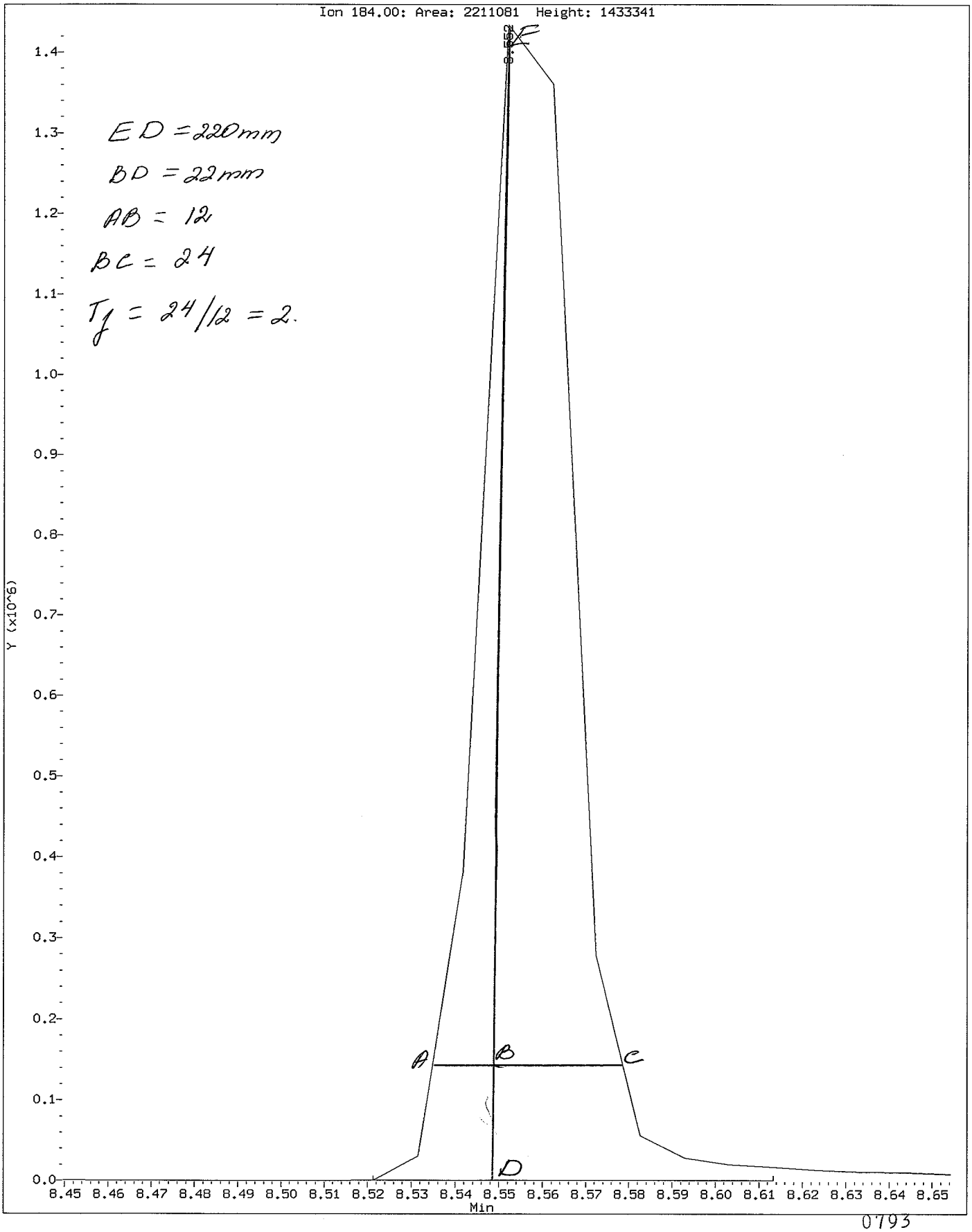
Data File: /chem3/nt1.i/20060807.b/ddt.b/df0807.d
Injection Date: 07-AUG-2006 10:24
Instrument: nt1.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem3/nt1.i/20060807.b/ddt.b/df0807.d
Injection Date: 07-AUG-2006 10:24
Instrument: nt1.i
Client Sample ID:

Compound: Benzidine
CAS Number:



0793

Data File: /chem3/nt1.i/20060808.b/df0808.d

Date : 08-AUG-2006 09:11

Client ID:

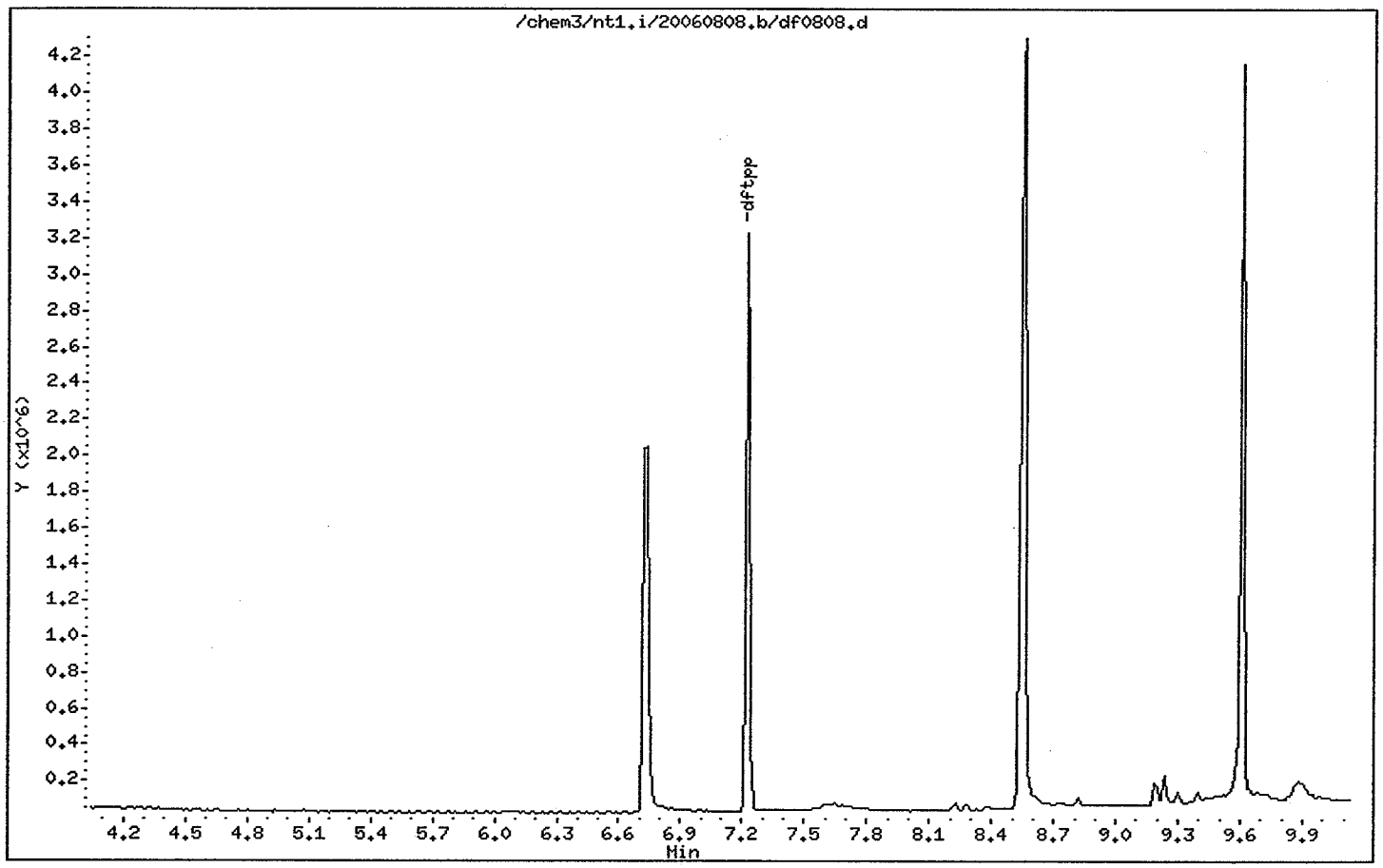
Instrument: nt1.i

Sample Info: DF0808

Operator: YZ

Column phase: ZB-5

Column diameter: 0.25



Data File: /chem3/nt1.i/20060808.b/df0808.d

Date : 08-AUG-2006 09:11

Client ID:

Instrument: nt1.i

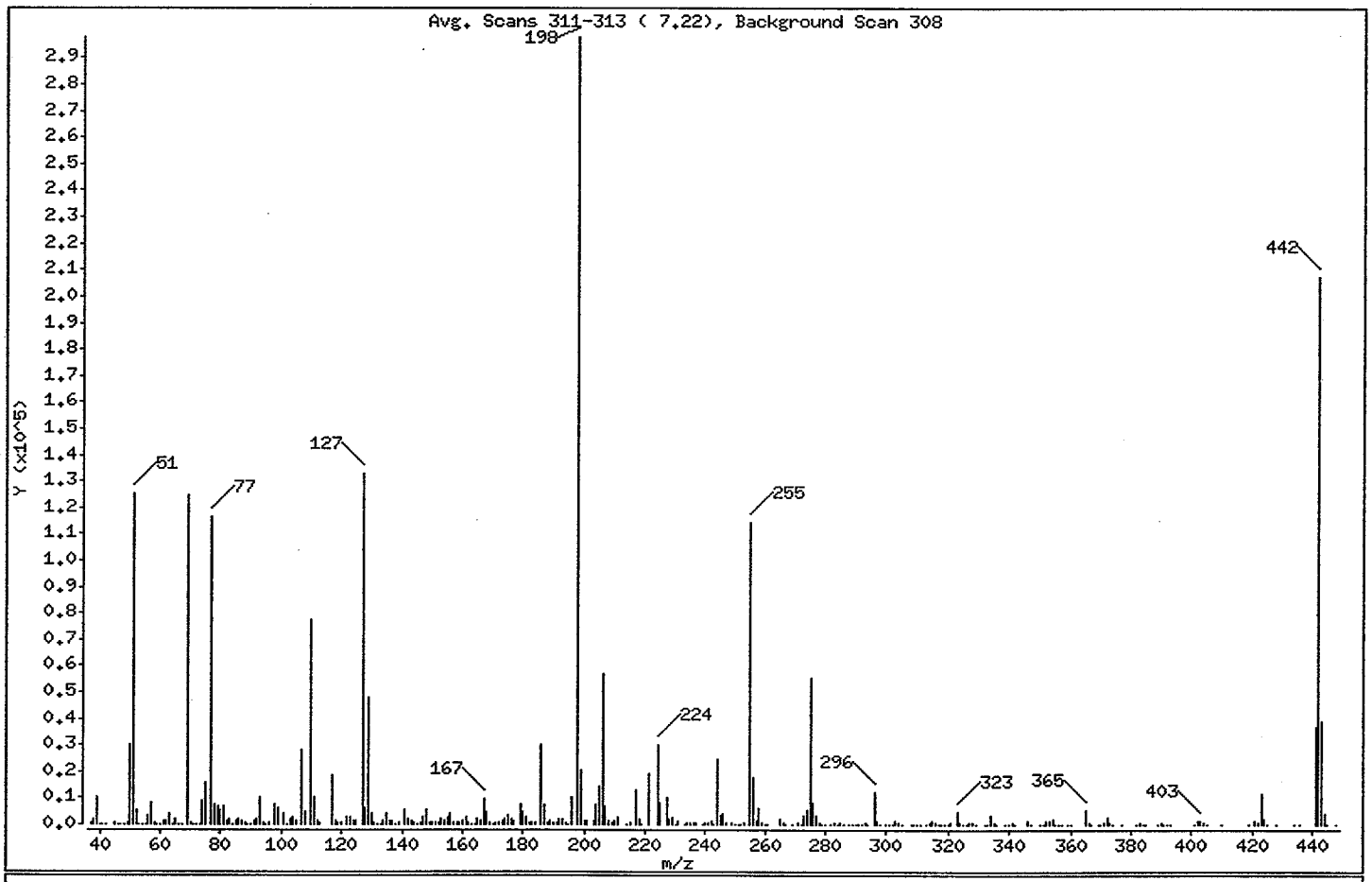
Sample Info: DF0808

Operator: YZ

Column phase: ZB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	42.14
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	41.85
70	Less than 2.00% of mass 69	0.12 (0.29)
127	25.00 - 75.00% of mass 198	44.68
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.89
275	10.00 - 30.00% of mass 198	18.59
365	Greater than 0.75% of mass 198	1.90
441	Present, but less than mass 443	12.41
442	40.00 - 110.00% of mass 198	69.74
443	15.00 - 24.00% of mass 442	13.17 (18.89)

Data File: df0808.d
Spectrum: Avg. Scans 311-313 (7.22), Background Scan 308
Location of Maximum: 198.00
Number of points: 312

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	488	129.00	47888	215.00	474	315.00	1305
38.00	1891	130.00	4182	217.00	12837	316.00	792
39.00	10509	131.00	877	218.00	1854	317.00	192
40.00	111	132.00	146	219.00	179	318.00	36
41.00	53	133.00	6	221.00	19344	319.00	76
42.00	305	134.00	1464	224.00	29792	320.00	164
45.00	363	135.00	3935	225.00	8222	321.00	533
46.00	106	136.00	1125	227.00	9982	323.00	4760
47.00	80	137.00	1647	228.00	1811	324.00	968
48.00	107	138.00	207	229.00	2455	325.00	107
49.00	383	139.00	363	230.00	88	326.00	90
50.00	30072	141.00	5523	231.00	1410	327.00	826
51.00	125544	142.00	1942	233.00	342	328.00	560
52.00	5657	143.00	1450	234.00	967	329.00	126
53.00	38	144.00	509	235.00	752	332.00	293
54.00	90	145.00	282	236.00	365	333.00	251
55.00	260	146.00	965	237.00	870	334.00	3195
56.00	3650	147.00	2871	239.00	202	335.00	739
57.00	8432	148.00	5590	240.00	601	336.00	117
58.00	601	149.00	927	241.00	415	339.00	47
59.00	121	150.00	426	242.00	1469	340.00	105
60.00	209	151.00	807	243.00	243	341.00	580
61.00	1379	152.00	843	244.00	24912	342.00	173
62.00	1251	153.00	1829	245.00	3656	346.00	1136
63.00	4344	154.00	1577	246.00	3784	347.00	222
64.00	50	155.00	2898	247.00	589	350.00	52
65.00	1758	156.00	4144	249.00	954	351.00	88
66.00	182	157.00	904	250.00	252	352.00	1663
67.00	62	158.00	998	251.00	132	353.00	1058
69.00	124672	159.00	810	252.00	317	354.00	1849
70.00	357	160.00	1540	253.00	374	355.00	225
71.00	114	161.00	2460	255.00	114200	356.00	35
72.00	51	162.00	831	256.00	17920	357.00	72
73.00	238	163.00	241	257.00	1626	359.00	145
74.00	8690	164.00	225	258.00	5975	360.00	89

Date : 08-AUG-2006 09:11

Client ID: Instrument: nt1.i

Sample Info: DF0808

Operator: YZ

Column phase: ZB-5 Column diameter: 0.25

Data File: df0808.d
Spectrum: Avg. Scans 311-313 (7.22), Background Scan 308
Location of Maximum: 198.00
Number of points: 312

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	15917	165.00	1814	259.00	693	365.00	5669
77.00	116568	166.00	1554	260.00	222	366.00	817
78.00	7783	167.00	9906	261.00	256	367.00	44
79.00	6553	168.00	4665	265.00	1951	369.00	82
80.00	5448	169.00	849	266.00	458	370.00	185
81.00	6775	170.00	170	267.00	104	371.00	605
82.00	1264	171.00	480	269.00	39	372.00	2990
83.00	2170	172.00	843	271.00	404	373.00	659
84.00	151	173.00	1320	272.00	68	374.00	98
85.00	1063	174.00	2162	273.00	3553	377.00	42
86.00	1722	175.00	3678	274.00	5691	382.00	43
87.00	1086	176.00	1999	275.00	55368	383.00	929
88.00	562	177.00	1223	276.00	8194	384.00	236
89.00	272	179.00	7821	277.00	3679	385.00	50
90.00	124	180.00	5118	278.00	613	389.00	54
91.00	1683	181.00	2855	279.00	176	390.00	480
92.00	2122	182.00	492	280.00	148	391.00	65
93.00	10591	183.00	405	282.00	79	392.00	154
94.00	753	184.00	736	283.00	663	393.00	35
95.00	67	186.00	30184	284.00	282	401.00	251
96.00	590	187.00	7576	285.00	575	402.00	1395
98.00	7381	188.00	769	286.00	143	403.00	1684
99.00	5987	189.00	1487	288.00	100	404.00	684
101.00	4445	190.00	440	289.00	239	405.00	58
102.00	313	191.00	881	290.00	108	410.00	65
103.00	1738	192.00	2186	291.00	124	419.00	38
104.00	2635	193.00	2138	292.00	181	421.00	1575
105.00	1455	194.00	661	293.00	982	422.00	751
107.00	28056	195.00	144	294.00	218	423.00	11418
108.00	4847	196.00	10486	296.00	12113	424.00	2015
110.00	77576	198.00	297856	297.00	1483	425.00	240
111.00	10385	199.00	20536	298.00	80	428.00	42
112.00	1161	200.00	1381	300.00	52	434.00	45
113.00	430	201.00	1689	301.00	162	436.00	38
117.00	18736	203.00	1681	302.00	202	441.00	36960

Data File: /chem3/nt1.i/20060808.b/df0808.d

Date : 08-AUG-2006 09:11

Client ID:

Instrument: nt1.i

Sample Info: DF0808

Operator: YZ

Column phase: ZB-5

Column diameter: 0.25

Data File: df0808.d
Spectrum: Avg. Scans 311-313 (7.22), Background Scan 308
Location of Maximum: 198.00
Number of points: 312

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	1227	204.00	7742	303.00	1602	442.00	207744
119.00	354	205.00	14639	304.00	421	443.00	39248
120.00	454	206.00	56968	305.00	72	444.00	3801
122.00	2436	207.00	7109	308.00	220	445.00	202
123.00	3023	208.00	1670	309.00	210	448.00	35
124.00	1671	209.00	609	310.00	141		
125.00	1179	210.00	1189	311.00	118		
127.00	133056	211.00	2535	313.00	68		
128.00	5865	214.00	45	314.00	815		

Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem3/nt1.i/20060808.b/ddt.b/df0808.d
Method: /chem3/nt1.i/20060808.b/ddt.b/sw846ddt.m
Analysis Date: 08-AUG-2006 09:11

ARI ID: DF0808
Misc:
Instrument: nt1.i

COMPOUND	RT	AREA
Pentachlorophenol	6.733	469204
Benzidine	8.554	2971908
4,4'-DDE	8.820	5475
4,4'-DDD	9.239	41647
4,4'-DDT	9.607	1012026

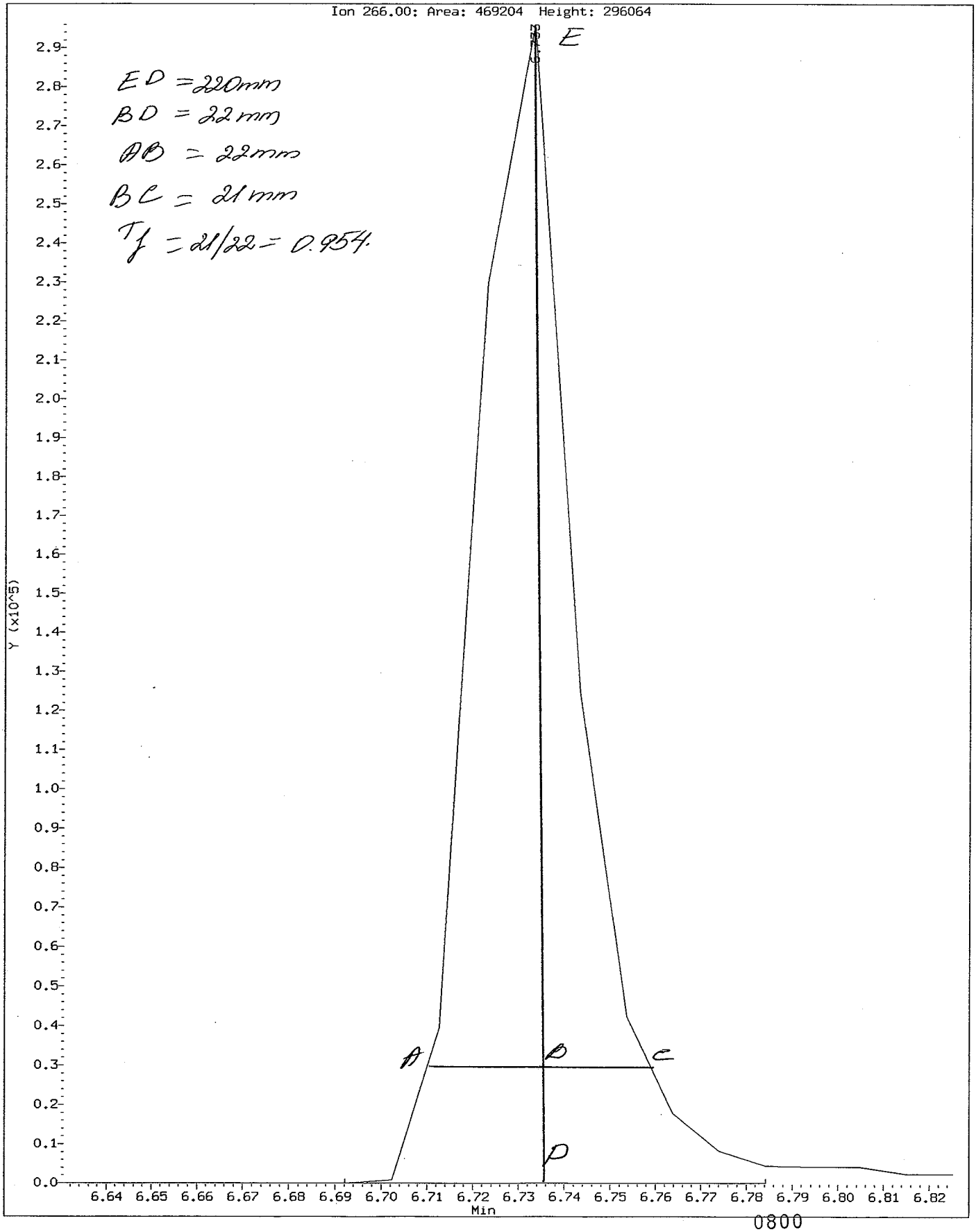
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(\ 5475 + 41647) * 100}{(\ 5475 + 41647 + 1012026)}$$

DDT Percent Breakdown = 4.4 %

Data File: /chem3/nt1.i/20060808.b/ddt.b/df0808.d
Injection Date: 08-AUG-2006 09:11
Instrument: nt1.i
Client Sample ID:

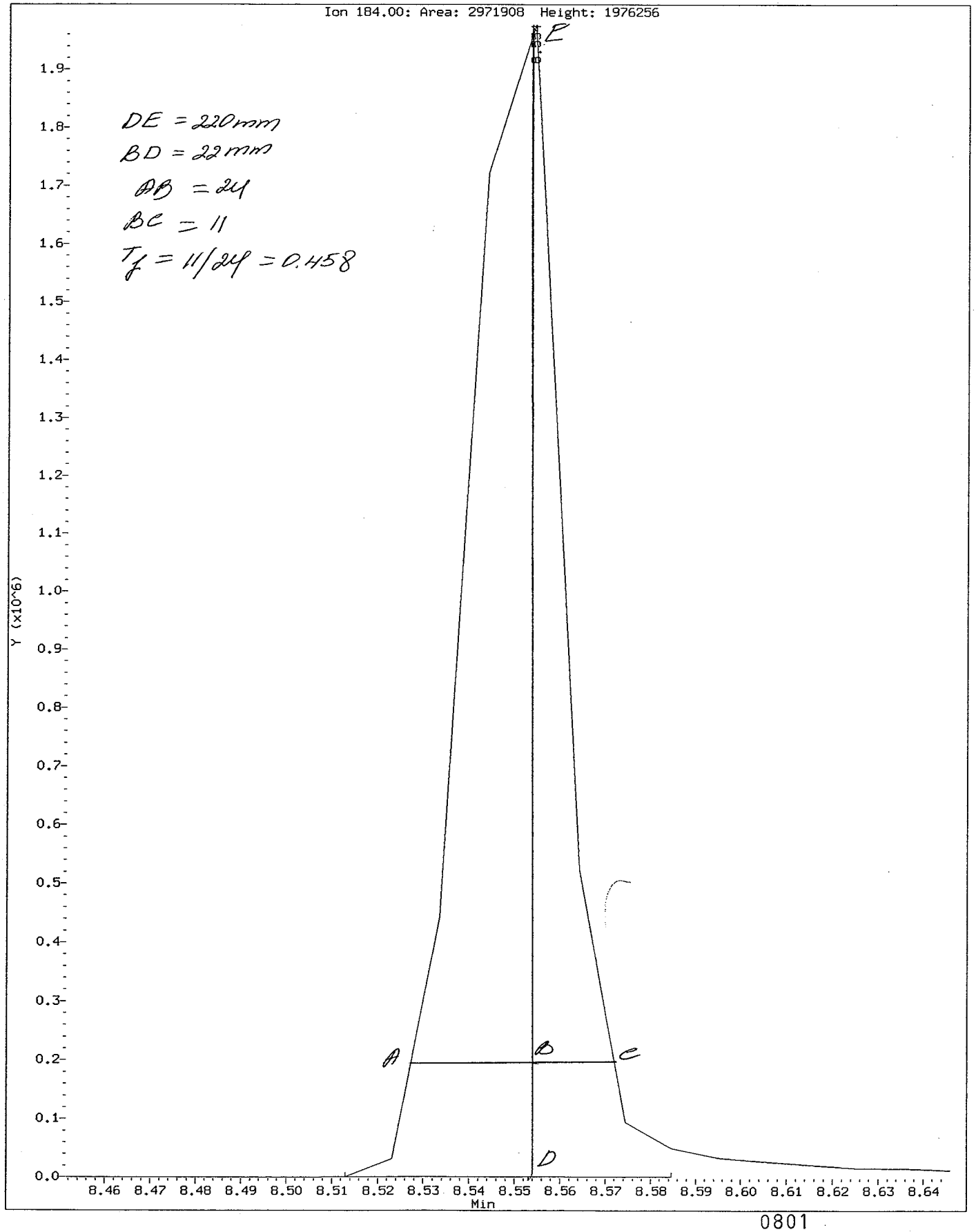
Compound: Pentachlorophenol
CAS Number: 87-86-5



0800

Data File: /chem3/nt1.i/20060808.b/ddt.b/df0808.d
Injection Date: 08-AUG-2006 09:11
Instrument: nt1.i
Client Sample ID:

Compound: Benzidine
CAS Number:



0801

Data File: /chem3/nt1.i/20060810.b/df0810.d

Date : 10-AUG-2006 13:08

Client ID:

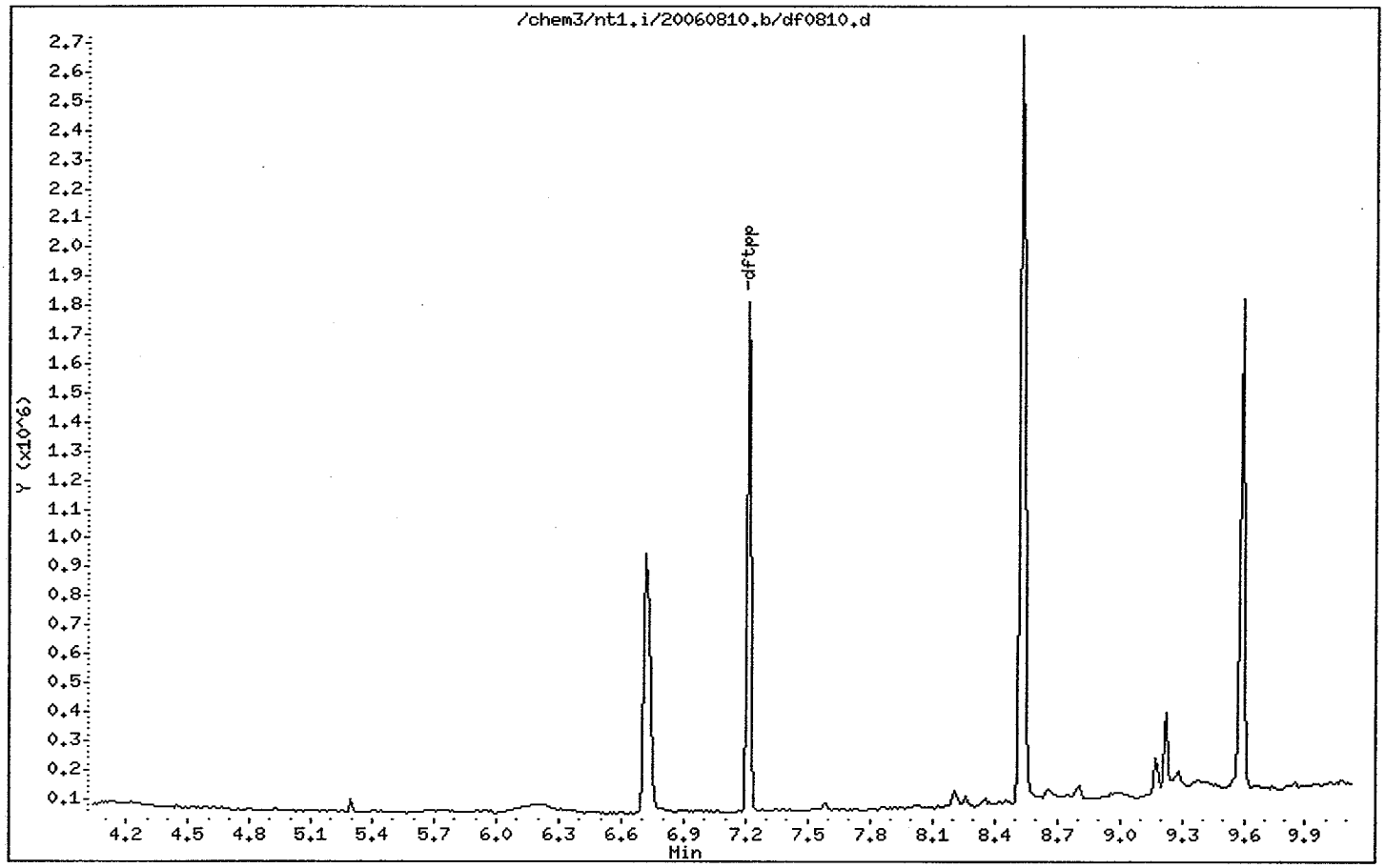
Instrument: nt1.i

Sample Info: DF0810

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25



Data File: /chem3/nt1.i/20060810.b/df0810.d

Date : 10-AUG-2006 13:08

Client ID:

Instrument: nt1.i

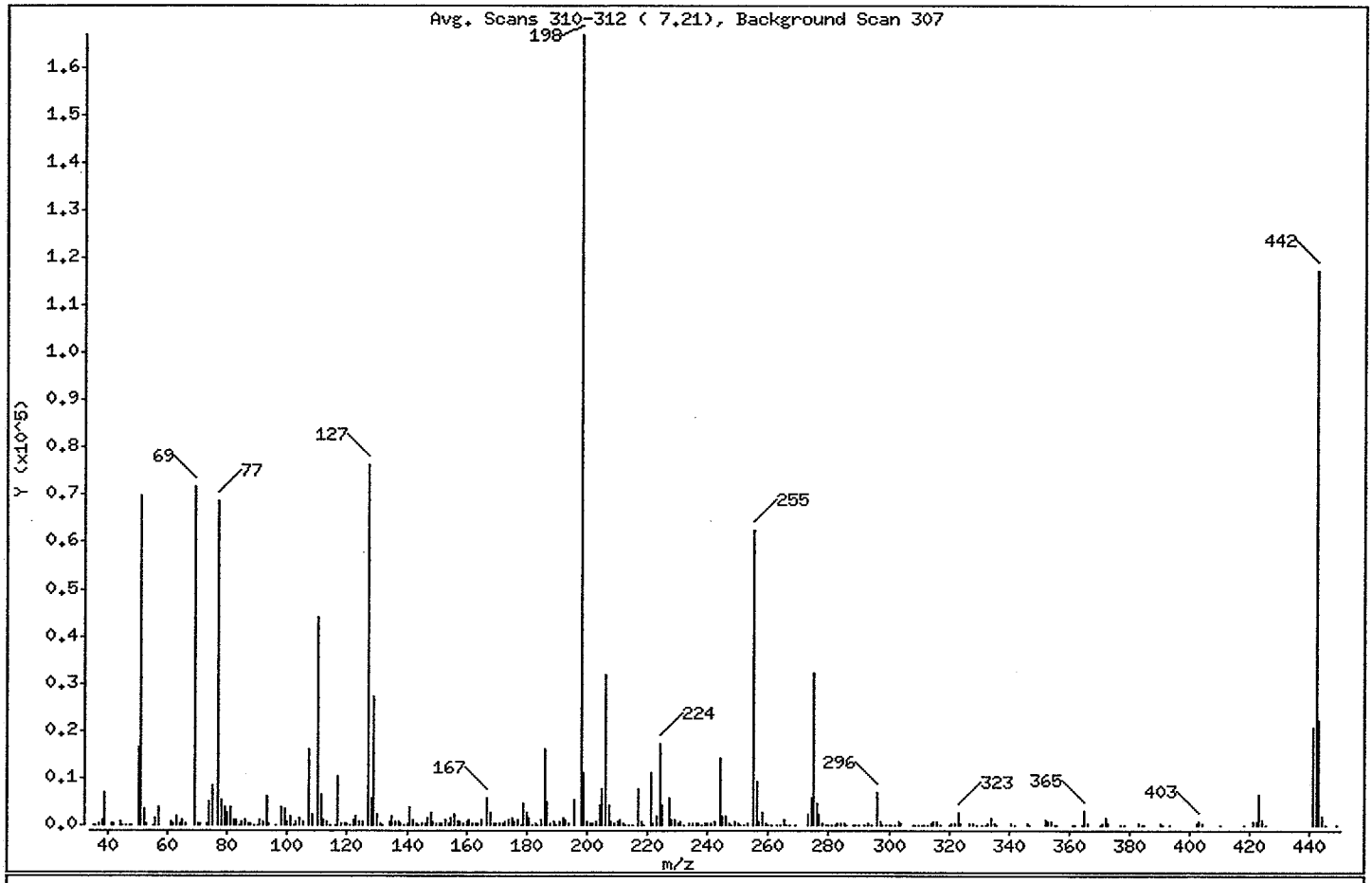
Sample Info: DF0810

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	41.73
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	42.91
70	Less than 2.00% of mass 69	0.32 (0.74)
127	25.00 - 75.00% of mass 198	45.66
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.74
275	10.00 - 30.00% of mass 198	19.35
365	Greater than 0.75% of mass 198	1.83
441	Present, but less than mass 443	12.51
442	40.00 - 110.00% of mass 198	70.22
443	15.00 - 24.00% of mass 442	13.34 (19.00)

Data File: /chem3/nt1.i/20060810.b/df0810.d

Date : 10-AUG-2006 13:08

Client ID:

Instrument: nt1.i

Sample Info: DF0810

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

Data File: df0810.d

Spectrum: Avg. Scans 310-312 (7.21), Background Scan 307

Location of Maximum: 198.00

Number of points: 301

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	98	128.00	5803	208.00	888	298.00	43
36.00	52	129.00	27200	209.00	266	299.00	58
37.00	319	130.00	2360	210.00	860	300.00	37
38.00	991	131.00	416	211.00	1314	301.00	154
39.00	6882	132.00	40	212.00	212	302.00	60
41.00	290	134.00	691	213.00	149	303.00	814
42.00	319	135.00	1946	214.00	85	304.00	268
44.00	717	136.00	825	215.00	166	308.00	156
45.00	153	137.00	827	217.00	7819	309.00	92
46.00	115	138.00	327	218.00	865	310.00	107
47.00	3	139.00	106	219.00	38	311.00	47
48.00	47	140.00	352	221.00	11248	312.00	40
50.00	16472	141.00	3765	222.00	526	313.00	38
51.00	69592	142.00	1062	223.00	1822	314.00	365
52.00	3635	143.00	566	224.00	17296	315.00	728
53.00	234	144.00	180	225.00	4055	316.00	576
55.00	173	145.00	304	227.00	5726	317.00	62
56.00	1685	146.00	308	228.00	1036	320.00	56
57.00	3722	147.00	1424	229.00	1216	321.00	332
61.00	793	148.00	2805	230.00	238	322.00	242
62.00	460	149.00	864	231.00	791	323.00	2863
63.00	2020	150.00	399	232.00	177	324.00	445
64.00	199	151.00	508	234.00	470	327.00	527
65.00	1010	152.00	197	235.00	501	328.00	320
66.00	384	153.00	1020	236.00	336	329.00	92
69.00	71544	154.00	525	237.00	410	331.00	35
70.00	531	155.00	1533	238.00	6	332.00	124
71.00	354	156.00	2436	239.00	441	333.00	305
73.00	428	157.00	603	240.00	333	334.00	1522
74.00	5113	158.00	604	241.00	548	335.00	378
75.00	8347	159.00	435	242.00	729	336.00	128
77.00	68432	160.00	934	244.00	14009	341.00	352
78.00	5351	161.00	1329	245.00	1944	342.00	128
79.00	3771	162.00	284	246.00	2047	346.00	457
80.00	2668	163.00	225	247.00	238	347.00	162

Data File: /chem3/nt1.i/20060810.b/df0810.d

Date : 10-AUG-2006 13:08

Client ID:

Instrument: nt1.i

Sample Info: DF0810

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

Data File: df0810.d
Spectrum: Avg. Scans 310-312 (7.21), Background Scan 307
Location of Maximum: 198.00
Number of points: 301

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	3966	164.00	201	248.00	112	352.00	1040
82.00	978	165.00	1100	249.00	597	353.00	759
83.00	992	167.00	5837	250.00	247	354.00	724
84.00	175	168.00	2718	251.00	152	355.00	174
85.00	779	169.00	486	252.00	129	356.00	36
86.00	1316	170.00	277	253.00	379	361.00	34
87.00	421	171.00	268	255.00	62504	362.00	41
88.00	277	172.00	512	256.00	9077	364.00	89
89.00	140	173.00	633	257.00	827	365.00	3056
90.00	37	174.00	1180	258.00	2646	366.00	375
91.00	1070	175.00	1711	259.00	523	370.00	40
92.00	874	176.00	867	260.00	30	371.00	225
93.00	6164	177.00	1031	261.00	102	372.00	1675
94.00	414	178.00	113	263.00	60	373.00	407
96.00	169	179.00	4611	264.00	153	377.00	40
98.00	3956	180.00	2752	265.00	1340	378.00	50
99.00	3447	181.00	1518	266.00	38	383.00	343
100.00	613	182.00	120	267.00	153	384.00	146
101.00	1996	183.00	348	269.00	112	385.00	38
102.00	176	184.00	52	273.00	2174	390.00	200
103.00	843	185.00	968	274.00	5598	391.00	169
104.00	1584	186.00	16080	275.00	32264	393.00	49
105.00	950	187.00	4997	276.00	4424	402.00	518
107.00	16066	188.00	473	277.00	2170	403.00	825
108.00	2370	189.00	680	278.00	405	404.00	293
110.00	44248	190.00	134	279.00	58	410.00	68
111.00	6597	191.00	649	280.00	84	418.00	40
112.00	988	192.00	1535	281.00	165	421.00	695
113.00	598	193.00	1261	282.00	51	422.00	858
114.00	140	194.00	327	283.00	265	423.00	6455
116.00	143	196.00	5444	284.00	231	424.00	1199
117.00	10341	198.00	166720	285.00	402	425.00	76
118.00	315	199.00	11234	286.00	143	441.00	20864
119.00	540	200.00	932	288.00	114	442.00	117096
120.00	283	201.00	379	289.00	133	443.00	22248

Data File: /chem3/nt1.i/20060810.b/df0810.d

Date : 10-AUG-2006 13:08

Client ID:

Instrument: nt1.i

Sample Info: DF0810

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

Data File: df0810.d
Spectrum: Avg. Scans 310-312 (7.21), Background Scan 307
Location of Maximum: 198.00
Number of points: 301

m/z	Y	m/z	Y	m/z	Y	m/z	Y
121.00	94	202.00	214	290.00	86	444.00	1940
122.00	1032	203.00	769	292.00	179	445.00	53
123.00	1797	204.00	4348	293.00	417	449.00	37
124.00	806	205.00	7645	294.00	120		
125.00	896	206.00	31816	296.00	6736		
127.00	76136	207.00	4081	297.00	811		

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: MB-072706
METHOD BLANK

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

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

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

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

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

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

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

YZ 8/7/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33mb.d
Lab Smp Id: JQ33MBS1 Client Smp ID: JQ33MBS1
Inj Date : 04-AUG-2006 14:08
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33MBS1
Misc Info : 06-12926
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 10 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	10.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.884	6.883	(1.000)	232087	2.00000	
	2 Naphthalene	128	Compound Not Detected.					
$	3 2-Methylnaphthalene-d10	152	7.641	7.640	(1.110)	88539	1.48113	74.06
	4 2-Methylnaphthalene	142	Compound Not Detected.					
	5 1-Methylnaphthalene	142	Compound Not Detected.					
	7 Acenaphthylene	152	Compound Not Detected.					
*	8 Acenaphthene-d10	164	8.947	8.946	(1.000)	116948	2.00000	
	9 Acenaphthene	153	Compound Not Detected.					
	10 Dibenzofuran	168	Compound Not Detected.					
	11 Fluorene	166	Compound Not Detected.					
*	15 Phenanthrene-d10	188	10.761	10.760	(1.000)	201358	2.00000	
	16 Phenanthrene	178	10.785	10.790	(1.002)	11572	0.11196	5.598(M)
	17 Anthracene	178	Compound Not Detected.					
	19 Fluoranthene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	20 Pyrene	202	Compound Not Detected.					
	22 Benzo(a)anthracene	228	Compound Not Detected.					
*	23 Chrysene-d12	240	14.071	14.070	(1.000)	181056	2.00000	
	24 Chrysene	228	Compound Not Detected.					
	28 Benzo(b)fluoranthene	252	Compound Not Detected.					
	29 Benzo(k)fluoranthene	252	Compound Not Detected.					
	30 Benzo(a)pyrene	252	Compound Not Detected.					
*	31 Perylene-d12	264	16.027	16.026	(1.000)	177519	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
$	32 Dibenz(a,h)anthrancene-d14	292	17.906	17.906	(1.117)	117539	1.73014	86.51
	34 Dibenz(a,h)anthracene	278	Compound Not Detected.					
	35 Benzo(g,h,i)perylene	276	Compound Not Detected.					
	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	Compound Not Detected.					
	53 Perylene	252	Compound Not Detected.					

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: jq33mb.d
Lab Smp Id: JQ33MBS1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12926

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: JQ33MBS1
Level: LOW
Sample Type: Solid

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	232087	4.16
8 Acenaphthene-d10	123591	61796	247182	116948	-5.37
15 Phenanthrene-d10	200797	100398	401594	201358	0.28
23 Chrysene-d12	171210	85605	342420	181056	5.75
31 Perylene-d12	183426	91713	366852	177519	-3.22

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	10.76	10.26	11.26	10.76	0.00
23 Chrysene-d12	14.08	13.58	14.58	14.07	-0.05
31 Perylene-d12	16.03	15.53	16.53	16.03	0.00

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

Analytical Resources, Inc.

RECOVERY REPORT

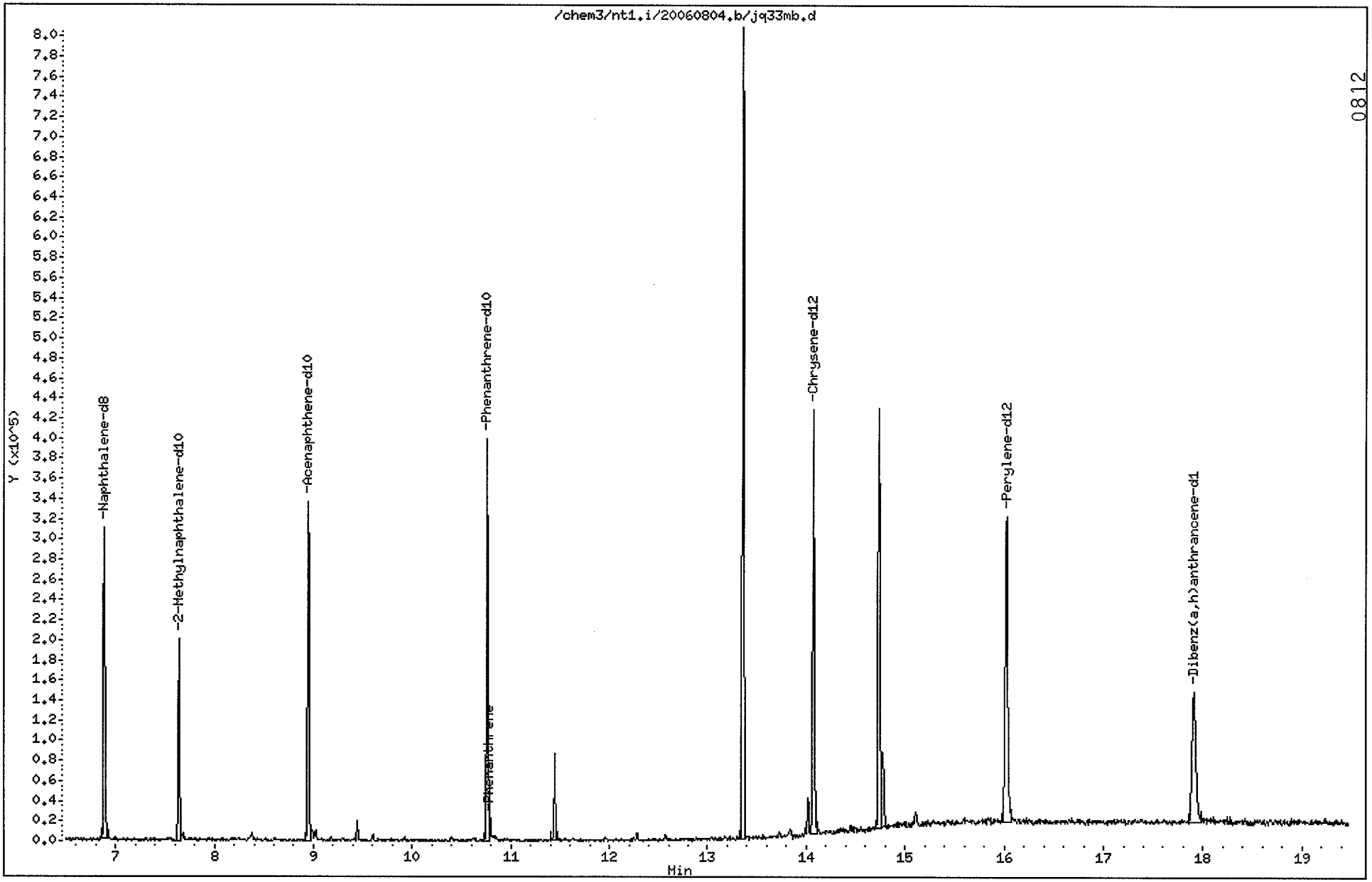
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33MBS1
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12926

Client SDG: JQ33
Fraction: SV
Client Smp ID: JQ33MBS1
Operator: VTS
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	150.0	74.06	49.37	32-97
$ 32 Dibenz(a,h)anthran	150.0	86.51	57.67	21-105

Data File: /chem3/nt1.i/20060804.b/jq33mb.d
Date : 04-AUG-2006 14:08
Client ID: JQ33MBS1
Sample Info: JQ33MBS1
Volume Injected (uL): 1.0
Column phase: ZB-5

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



Data File: /chem3/nt1.i/20060804.b/jq33mb.d

Date : 04-AUG-2006 14:08

Client ID: JQ33MBS1

Instrument: nt1.i

Sample Info: JQ33MBS1

Volume Injected (uL): 1.0

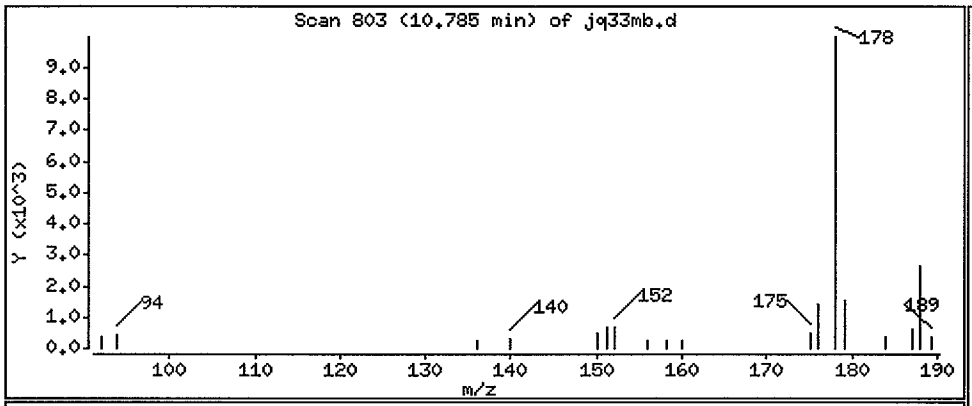
Operator: VTS

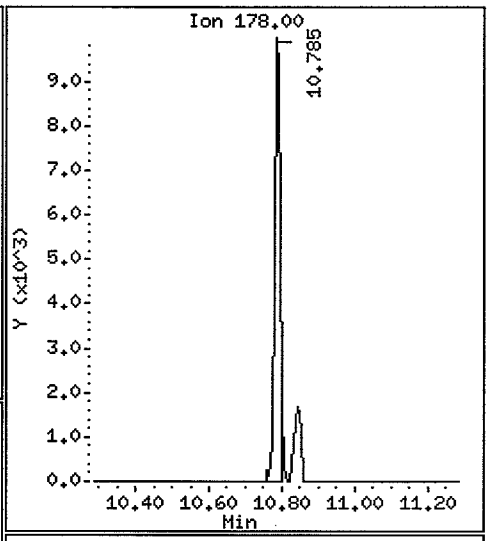
Column phase: ZB-5

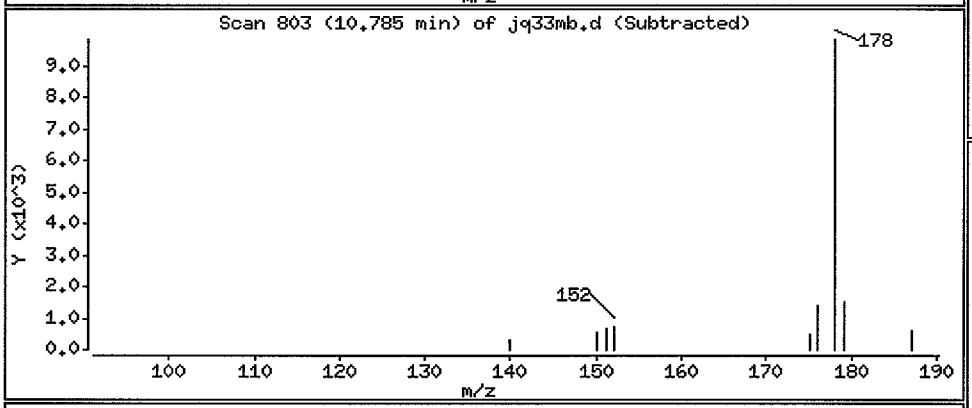
Column diameter: 0.25

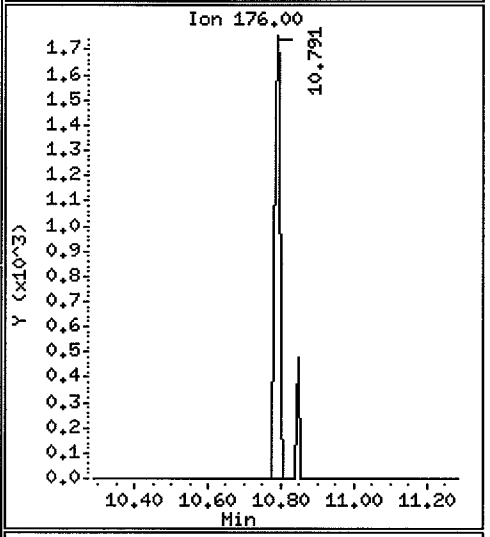
16 Phenanthrene

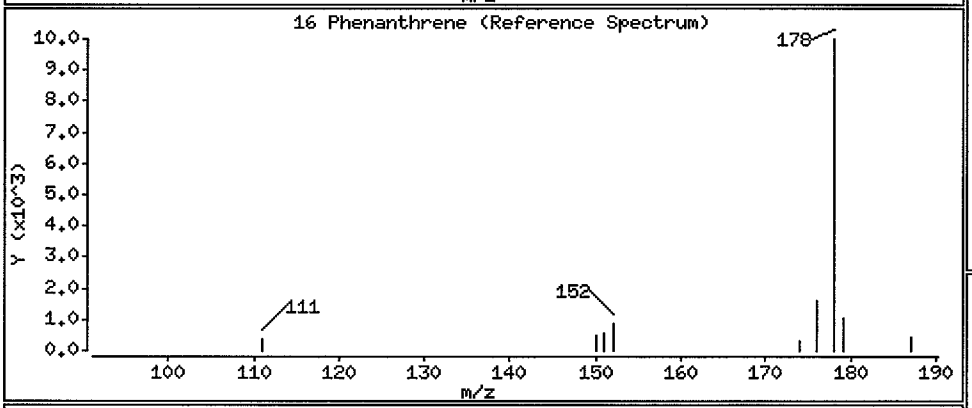
Concentration: 5.598 ug/kg

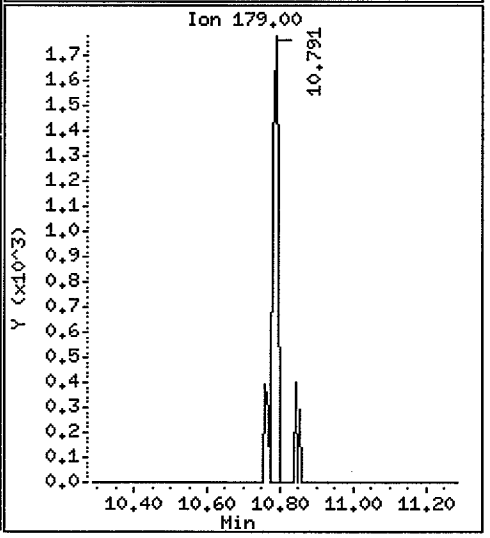


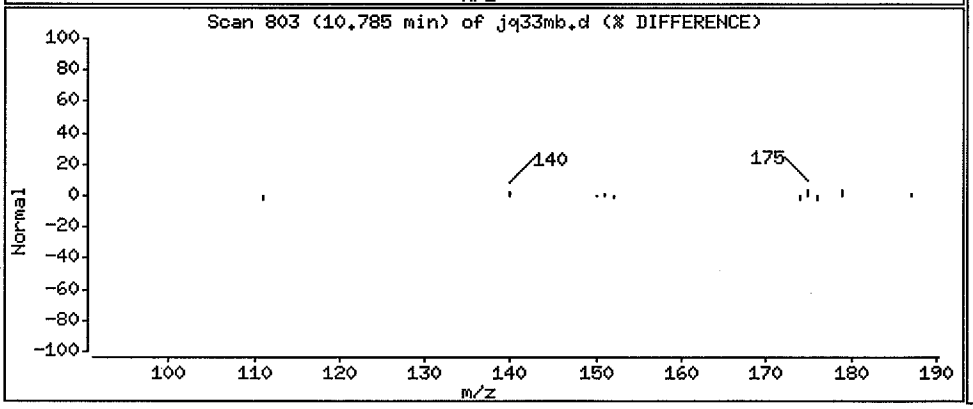












ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

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

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

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

YZ 8/7/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33dms.d
Lab Smp Id: JQ33DMS Client Smp ID: T4-B414-02-A MS
Inj Date : 04-AUG-2006 17:01
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33DMS,10
Misc Info : 06-12926
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 17 QC Sample: MS
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

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

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	20.10000	Weight of sample extracted (g)
M	49.70000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.884	6.883	(1.000)	286926	2.00000	
	2 Naphthalene	128	6.908	6.907	(1.003)	9548	0.06671 J	32.99
$	3 2-Methylnaphthalene-d10	152	7.641	7.640	(1.110)	14285	0.19329	95.59
	4 2-Methylnaphthalene	142	7.682	7.681	(1.116)	4307	0.05082 J	25.13
	5 1-Methylnaphthalene	142	Compound Not Detected.					
	7 Acenaphthylene	152	Compound Not Detected.					
*	8 Acenaphthene-d10	164	8.947	8.946	(1.000)	153185	2.00000	
	9 Acenaphthene	153	8.988	8.987	(1.005)	12256	0.16294	80.58
	10 Dibenzofuran	168	9.177	9.170	(1.026)	5834	0.05266 J	26.04
	11 Fluorene	166	9.597	9.596	(1.073)	10012	0.11608	57.41
*	15 Phenanthrene-d10	188	10.761	10.760	(1.000)	242209	2.00000	
	16 Phenanthrene	178	10.791	10.790	(1.003)	144230	1.16013 B	573.7(R)
	17 Anthracene	178	10.844	10.843	(1.008)	25274	0.20343	100.6
	19 Fluoranthene	202	12.286	12.279	(1.142)	268629	2.11844	1048

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	20 Pyrene	202	12.570	12.569	(0.893)	257722	1.89759	938.4
	22 Benzo(a)anthracene	228	14.053	14.052	(0.998)	136897	1.07482	531.5
*	23 Chrysene-d12	240	14.077	14.070	(1.000)	211508	2.00000	
	24 Chrysene	228	14.106	14.105	(1.002)	209515	1.78344	882.0(R)
	28 Benzo(b)fluoranthene	252	15.448	15.447	(0.964)	189279	1.60441	793.5
	29 Benzo(k)fluoranthene	252	15.478	15.476	(0.965)	178272	1.41742	701.0(R)
	30 Benzo(a)pyrene	252	15.944	15.938	(0.994)	164788	1.43350	708.9
*	31 Perylene-d12	264	16.033	16.026	(1.000)	209035	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	18.001	17.988	(1.123)	82343	0.62288	308.0
$	32 Dibenz(a,h)anthrancene-d14	292	17.924	17.906	(1.118)	12230	0.15288	75.61
	34 Dibenz(a,h)anthracene	278	17.989	17.976	(1.122)	28364	0.26264	129.9
	35 Benzo(g,h,i)perylene	276	18.586	18.562	(1.159)	79722	0.72547	358.8
	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	15.868	15.861	(0.990)	130534	1.02584	507.3
	53 Perylene	252	16.075	16.068	(1.003)	80296	0.67208	332.4

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33dms.d
Lab Smp Id: JQ33DMS
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12926

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: T4-B414-02-A MS
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	286926	28.77
8 Acenaphthene-d10	123591	61796	247182	153185	23.95
15 Phenanthrene-d10	200797	100398	401594	242209	20.62
23 Chrysene-d12	171210	85605	342420	211508	23.54
31 Perylene-d12	183426	91713	366852	209035	13.96

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	0.00
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	0.00
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	0.00
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.00
31 Perylene-d12	16.03	15.53	16.53	16.03	0.04

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33DMS
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12926

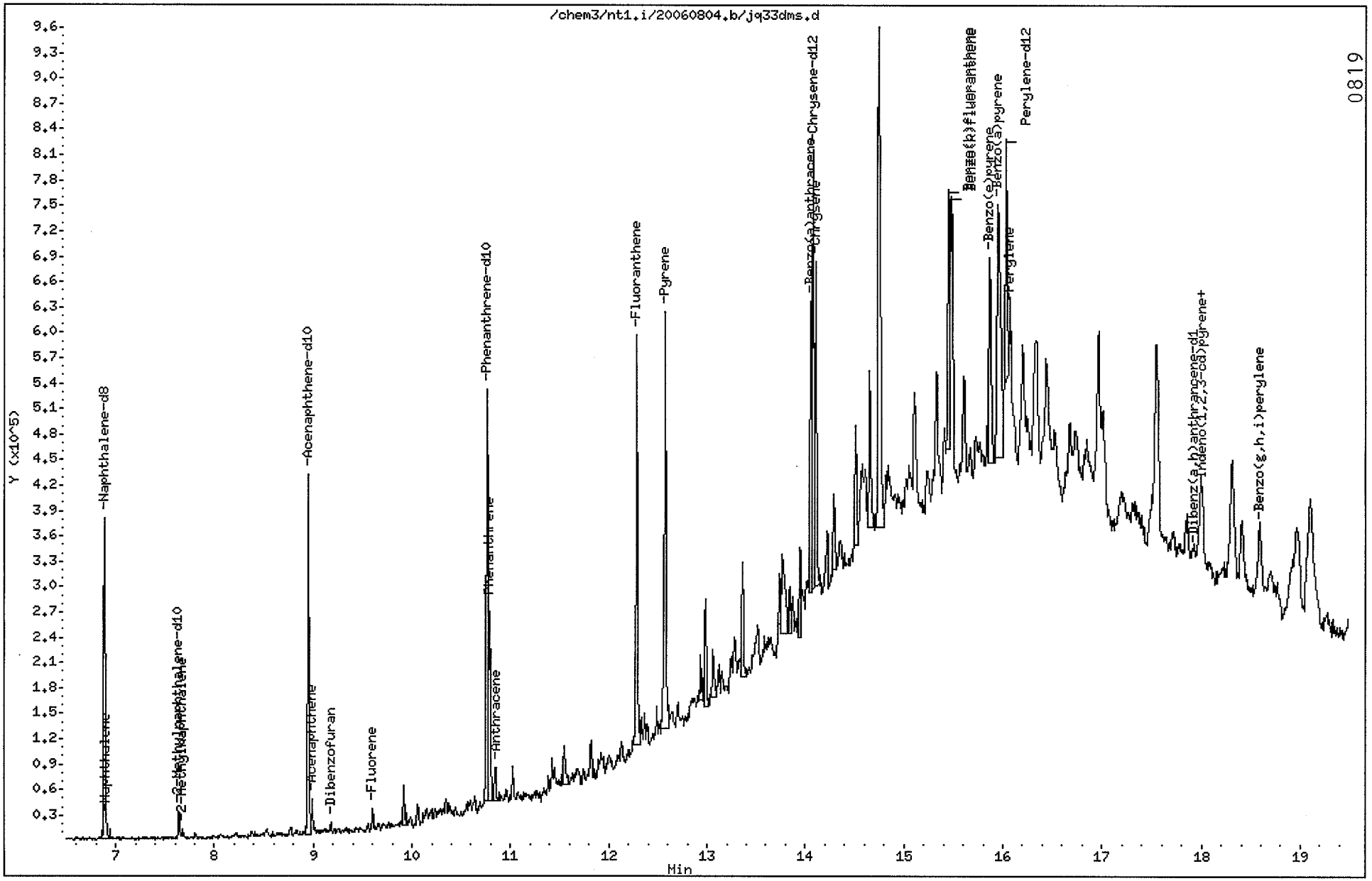
Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-02-A MS
Operator: VTS
SampleType: MS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
16 Phenanthrene	148.4	573.7	386.71*	46-107
24 Chrysene	148.4	882.0	594.48*	49-108
29 Benzo(k)fluoranthe	148.4	701.0	472.47*	37-94

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	148.4	95.59	64.43	32-97
$ 32 Dibenz(a,h)anthran	148.4	75.61	50.96	21-105

Data File: /chem3/nt1.i/20060804.b/jq33dms.d
Date : 04-AUG-2006 17:01
Client ID: T4-B414-02-A MS
Sample Info: JQ33DMS,10
Volume Injected (uL): 1.0
Column phase: ZB-5

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



Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

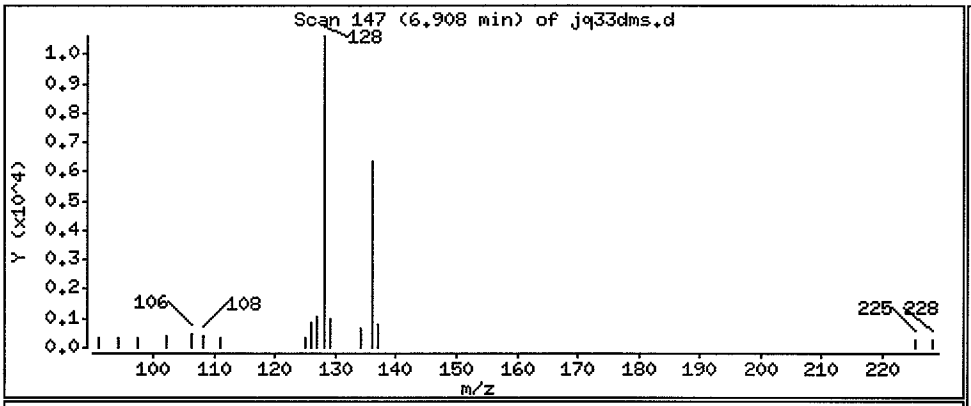
Operator: VTS

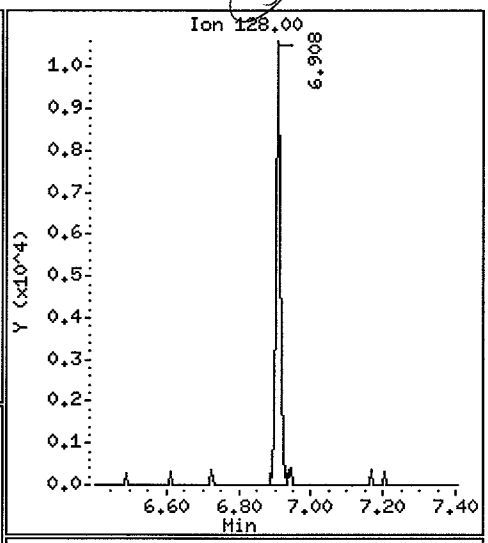
Column phase: ZB-5

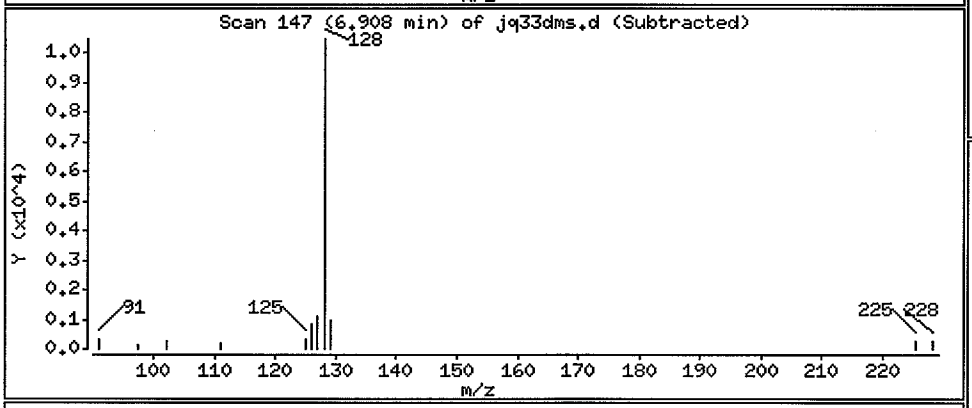
Column diameter: 0.25

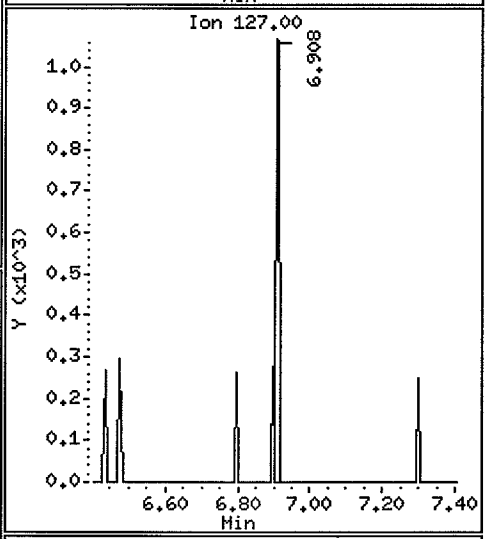
2 Naphthalene

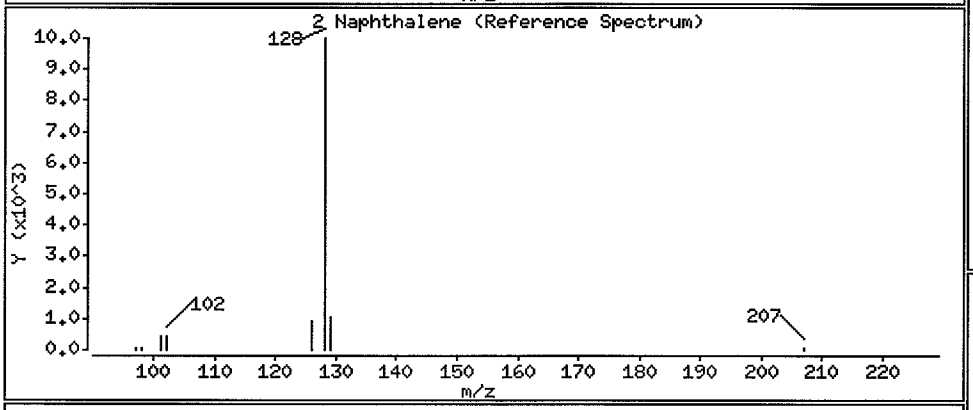
Concentration: 32.99 ug/kg

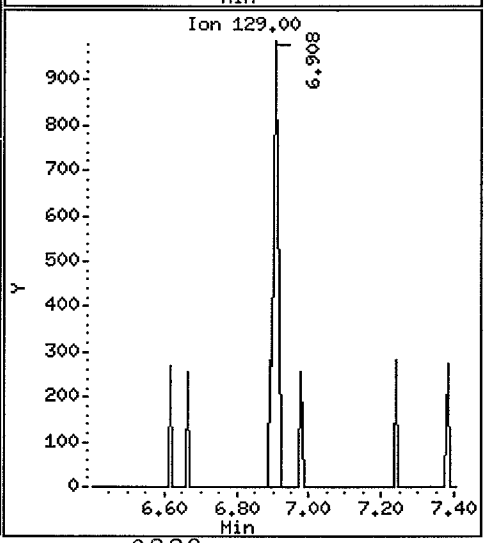


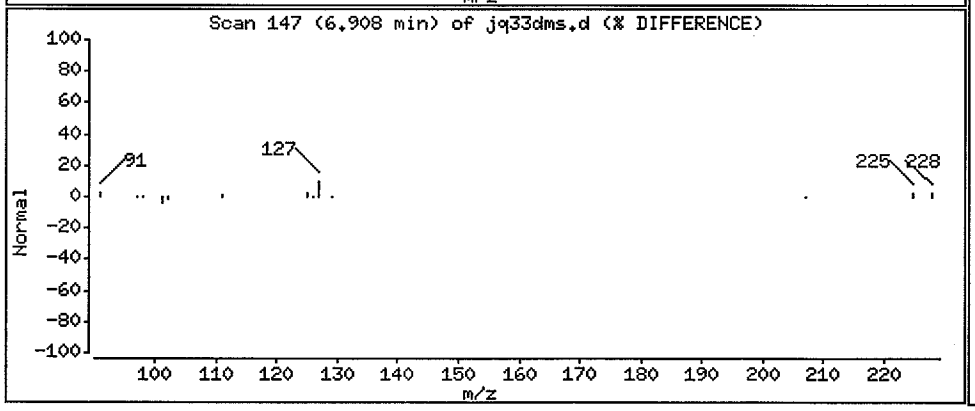












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

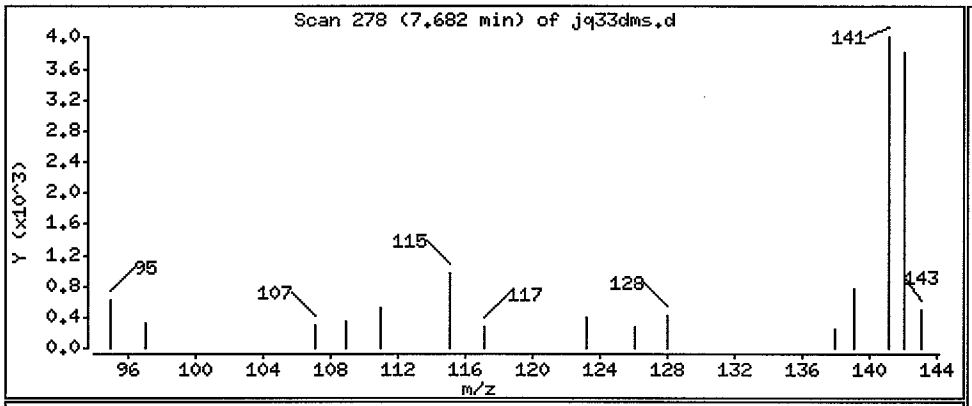
Operator: VTS

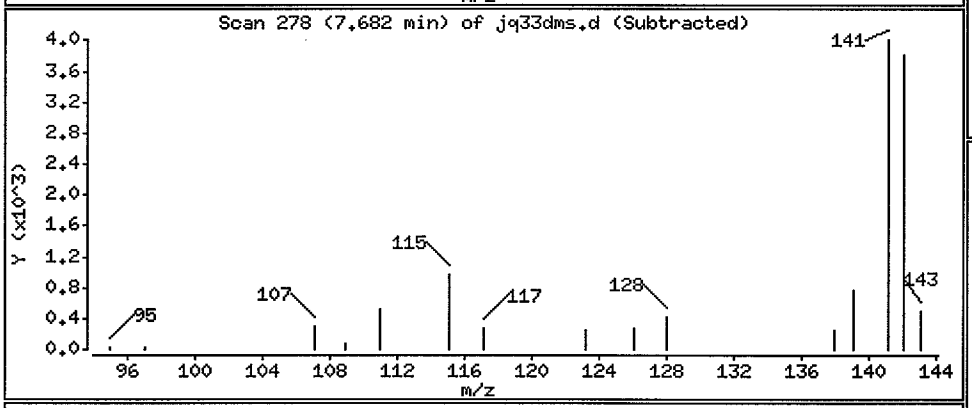
Column phase: ZB-5

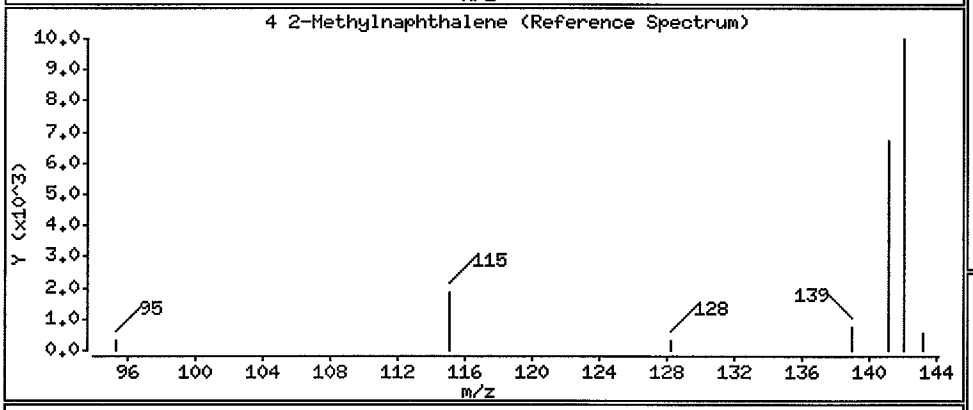
Column diameter: 0.25

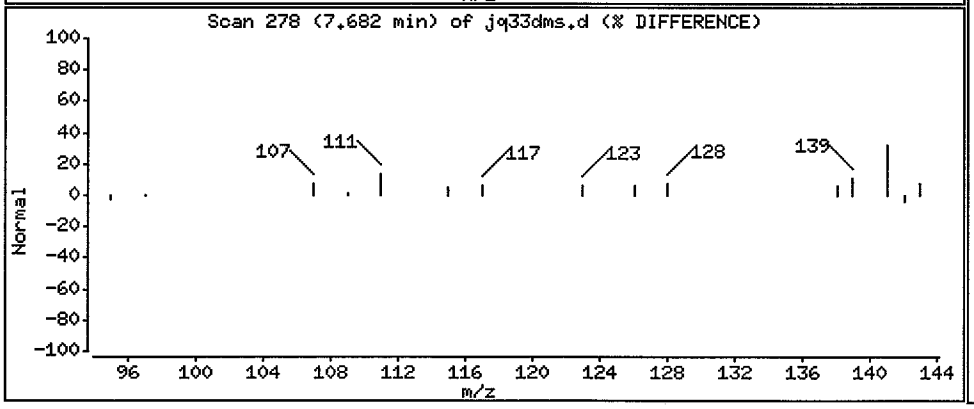
4 2-Methylnaphthalene

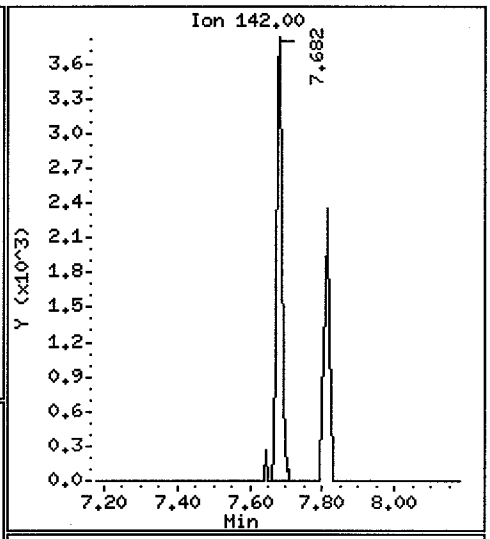
Concentration: 25.13 ug/kg

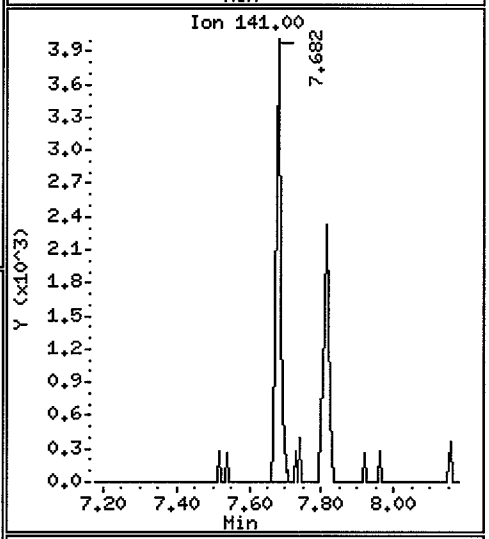


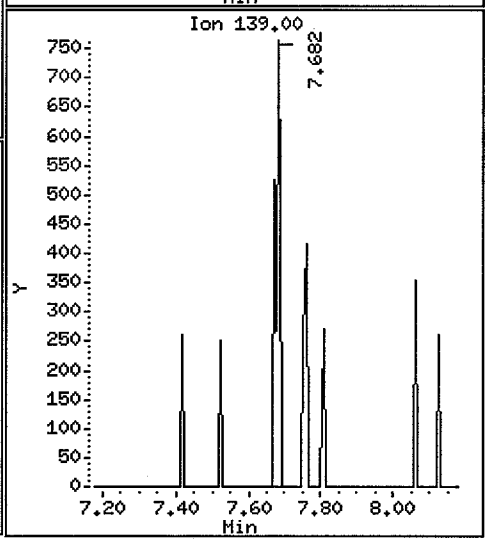












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

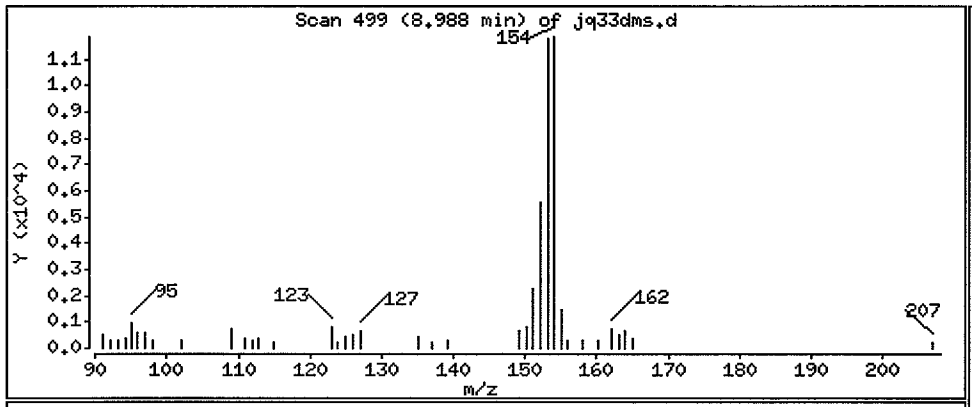
Operator: VTS

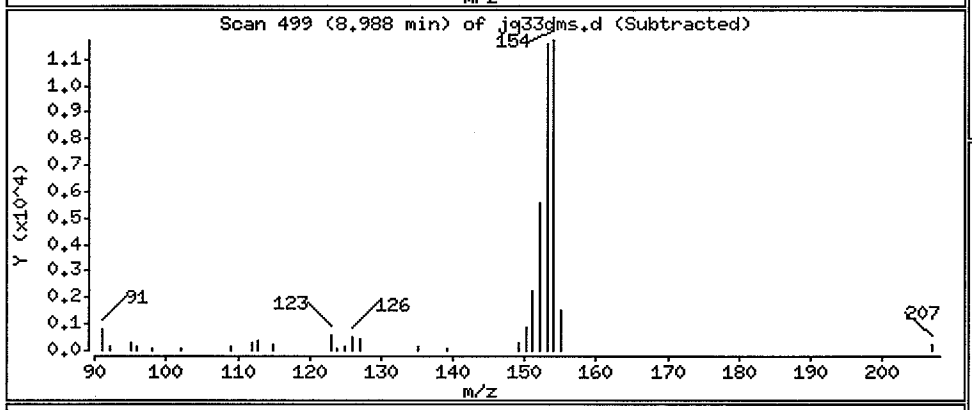
Column phase: ZB-5

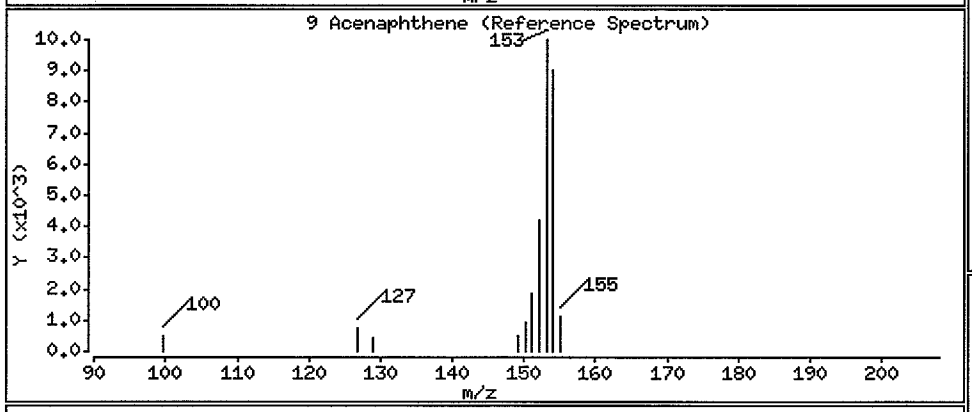
Column diameter: 0.25

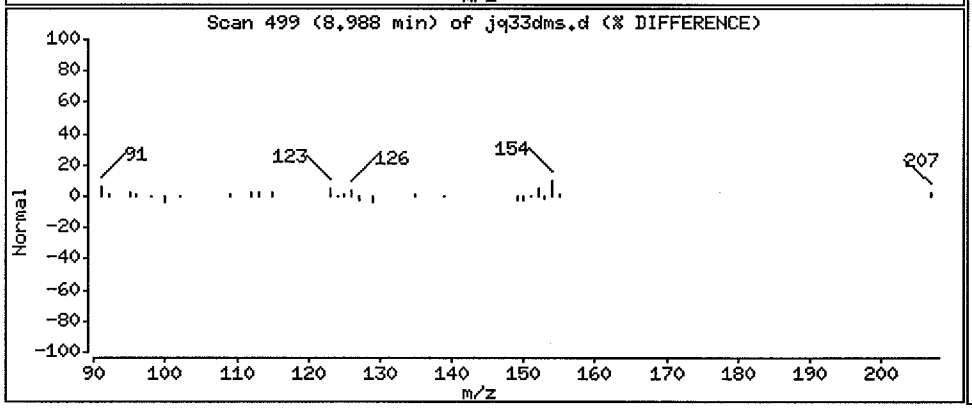
9 Acenaphthene

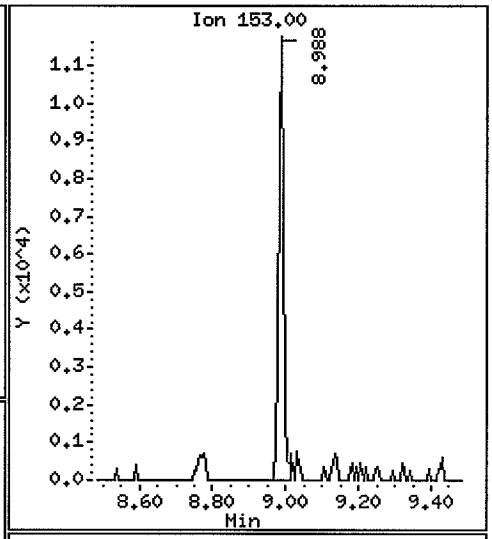
Concentration: 80.58 ug/kg

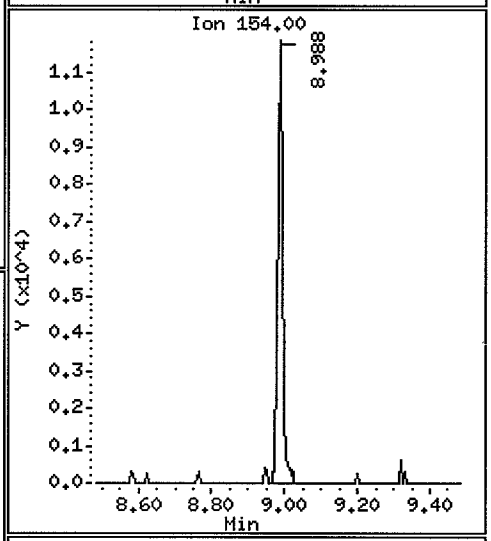


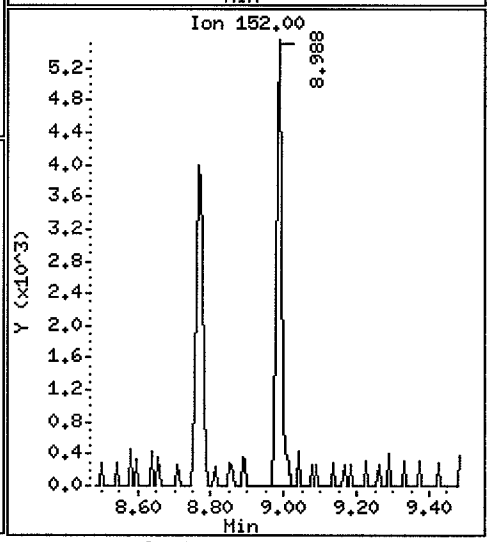












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

Operator: VTS

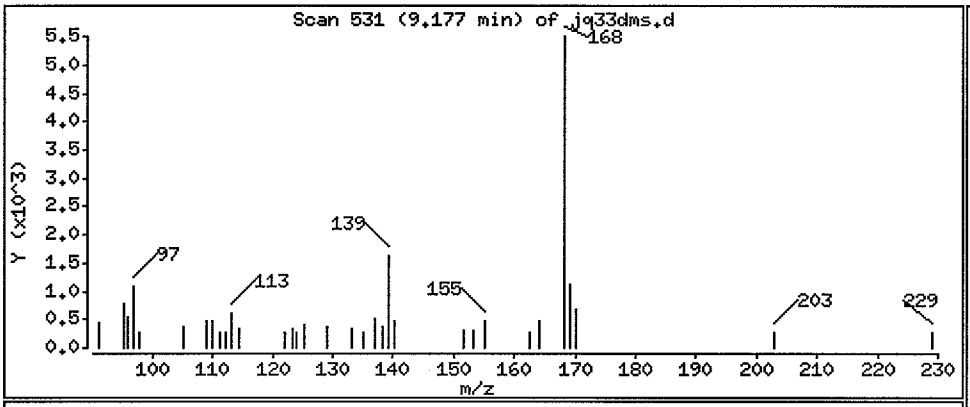
Column phase: ZB-5

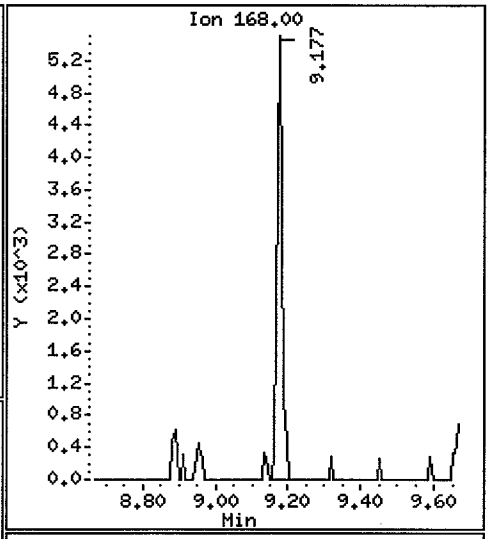
Column diameter: 0.25

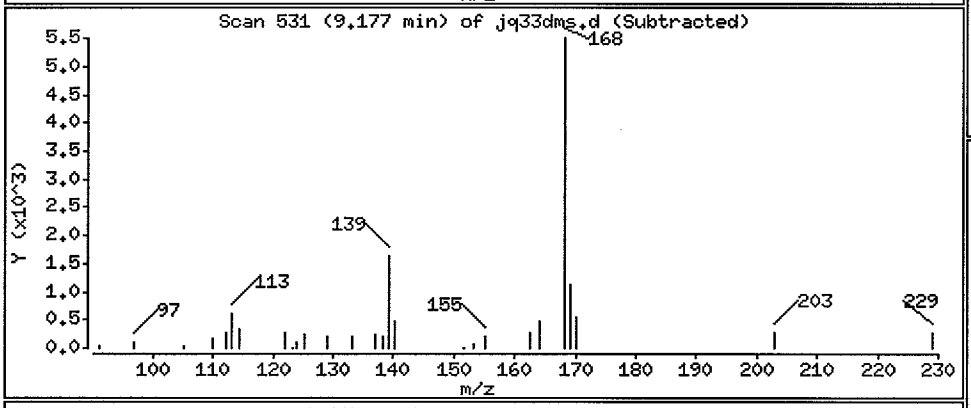
10 Dibenzofuran

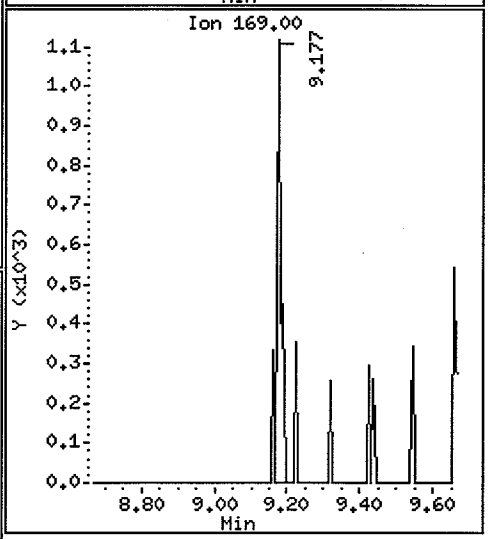
Concentration: 26.04 ug/kg

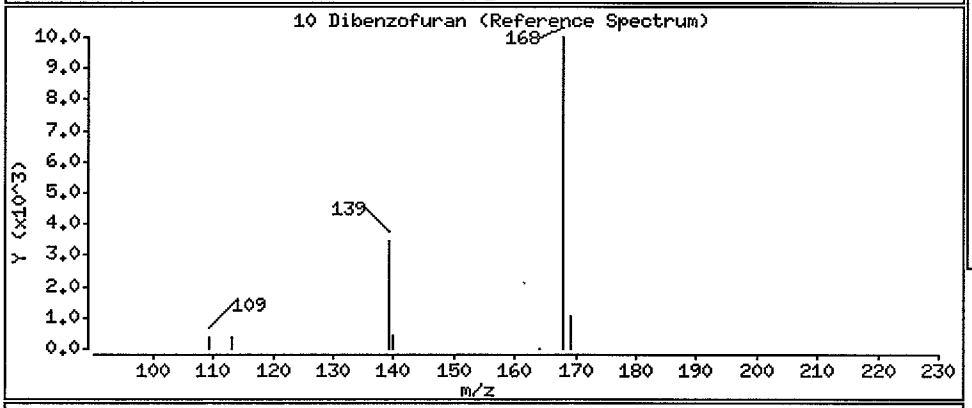
NK-qpf

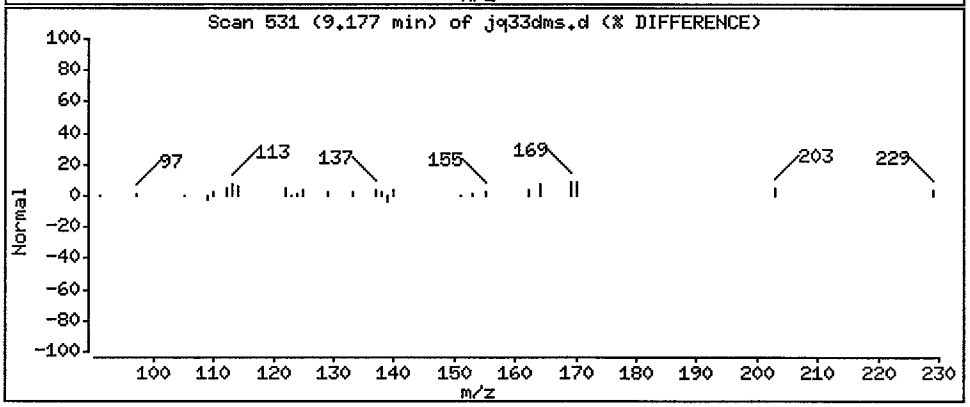












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

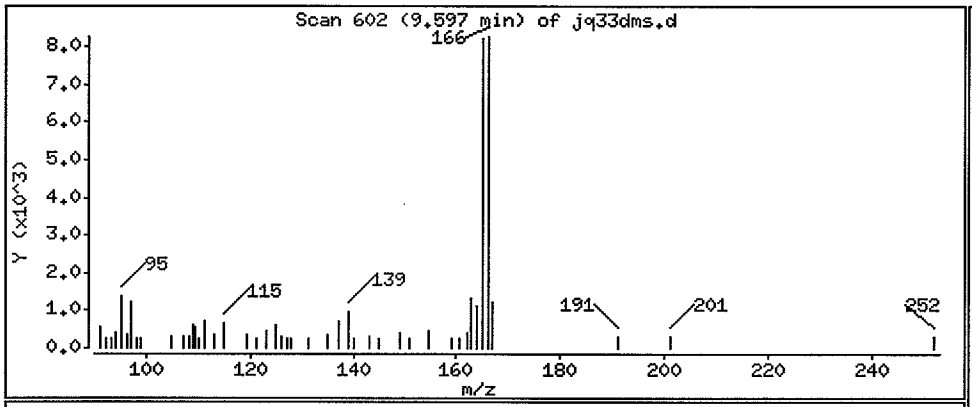
Operator: VTS

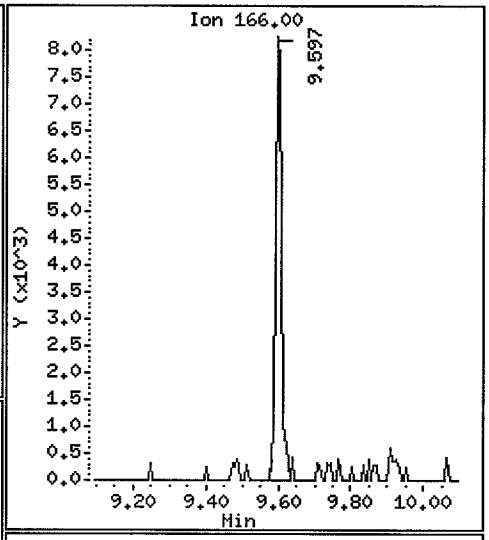
Column phase: ZB-5

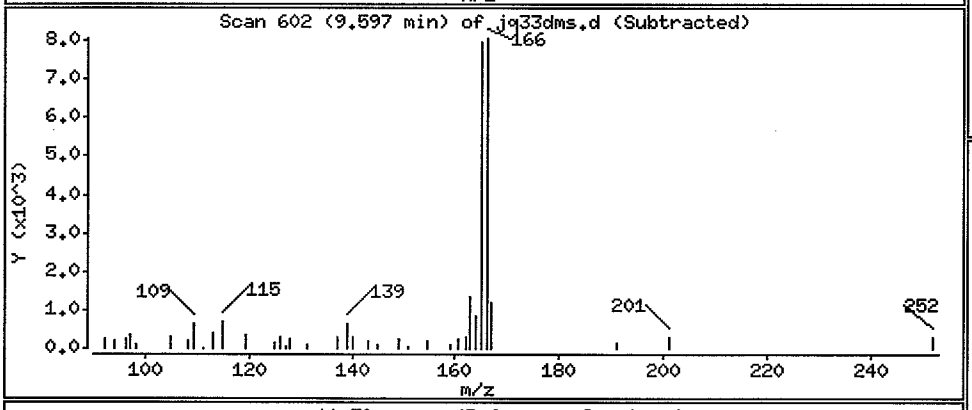
Column diameter: 0.25

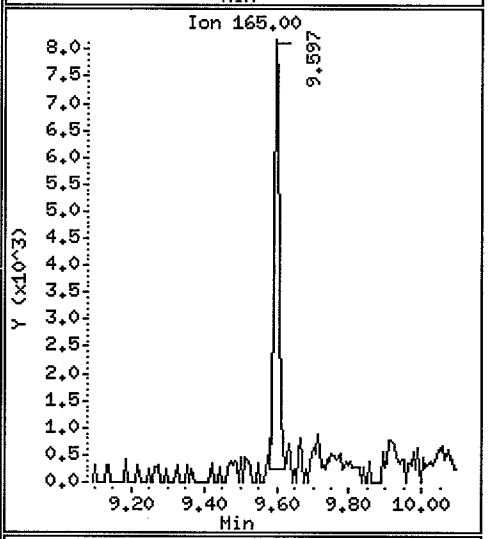
11 Fluorene

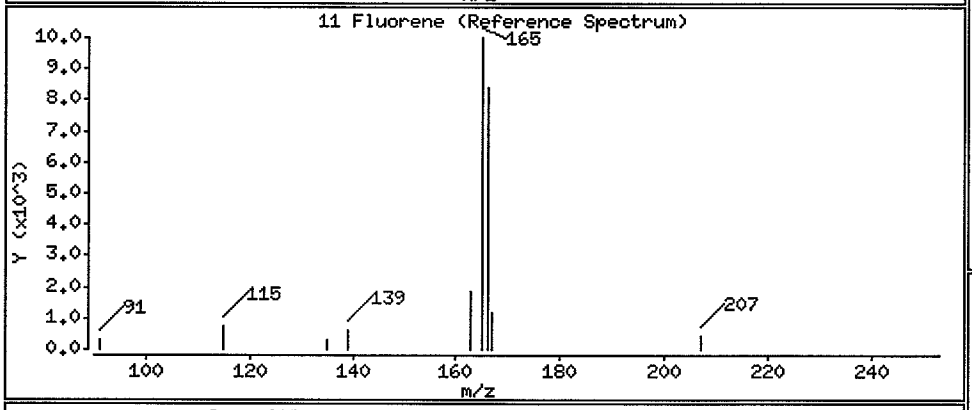
Concentration: 57.41 ug/kg

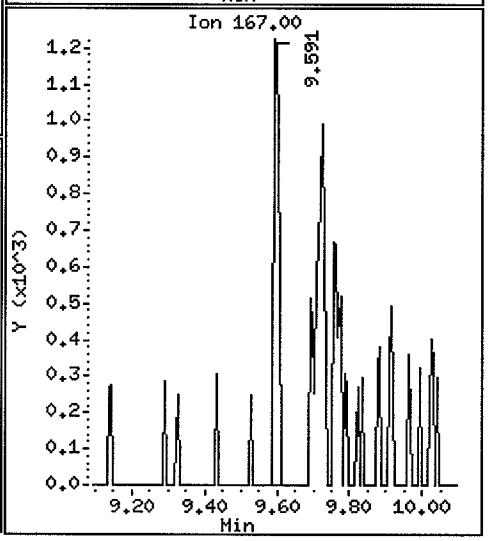


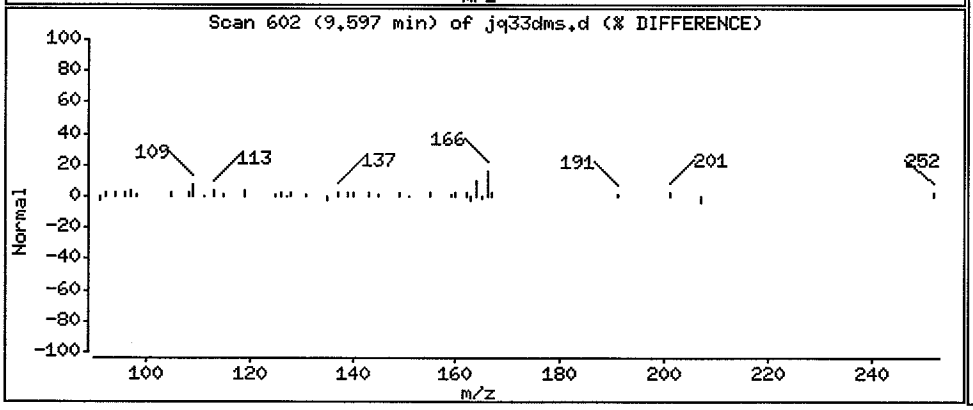












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

Operator: VTS

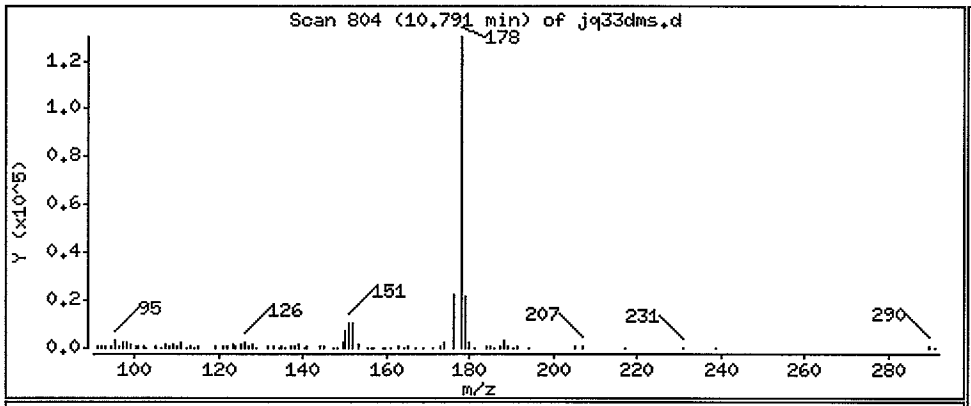
Column phase: ZB-5

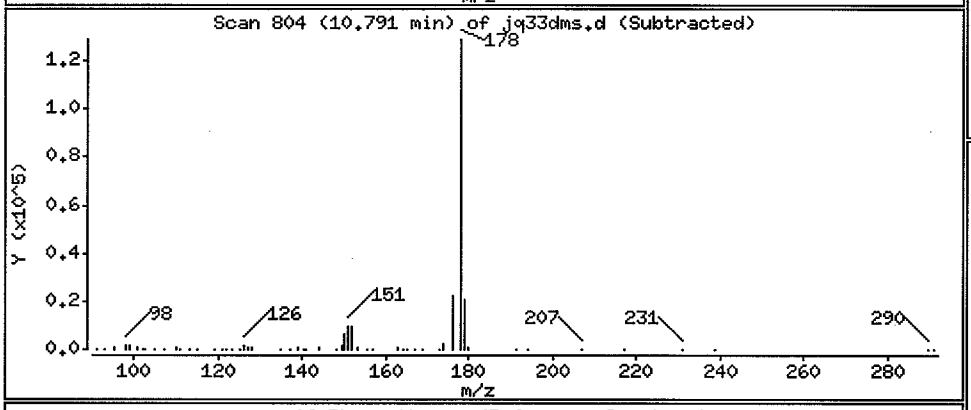
Column diameter: 0.25

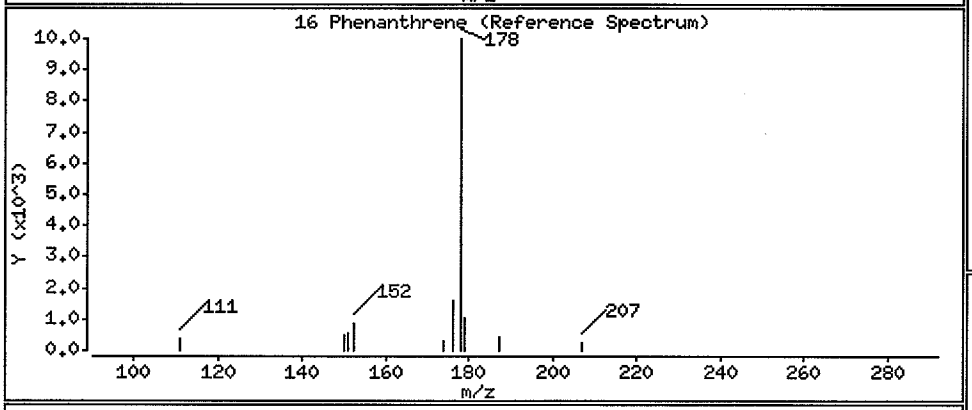
16 Phenanthrene

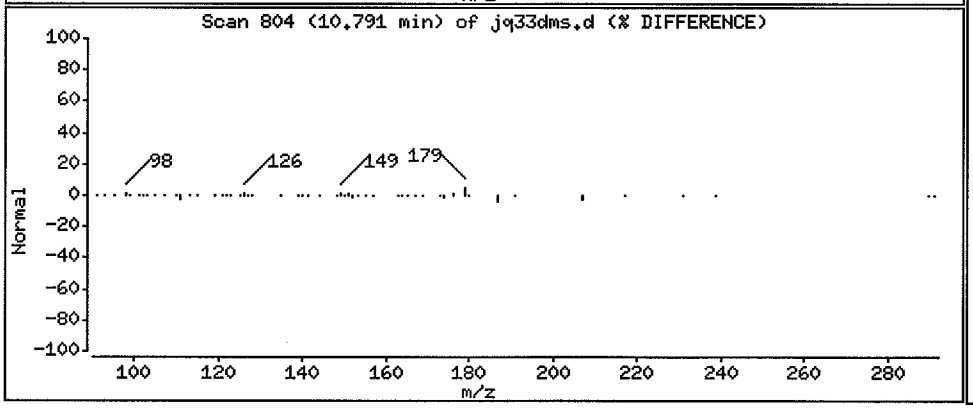
Concentration: 573.7 ug/kg

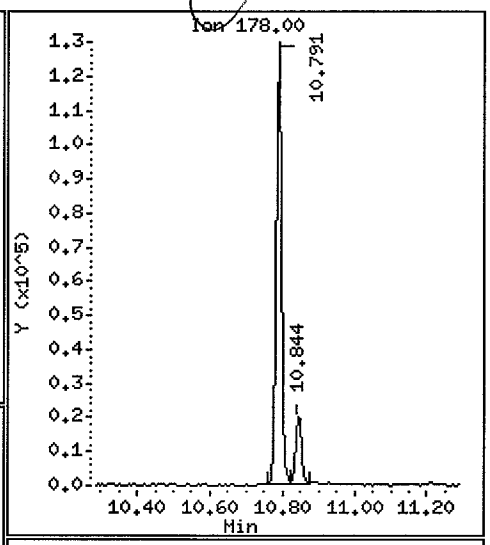
(B)

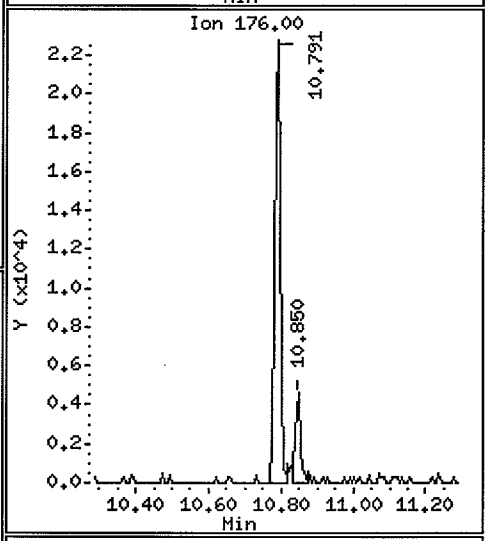


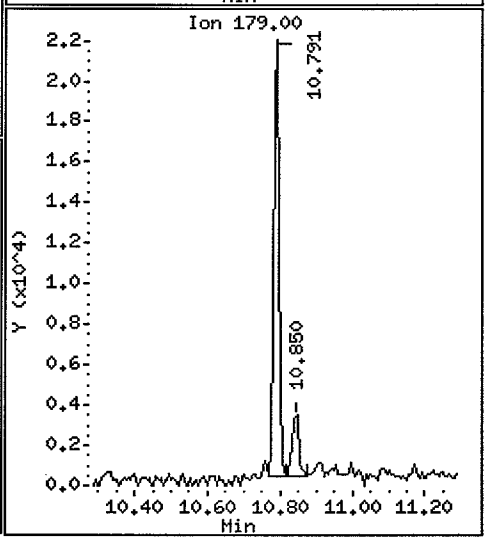












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

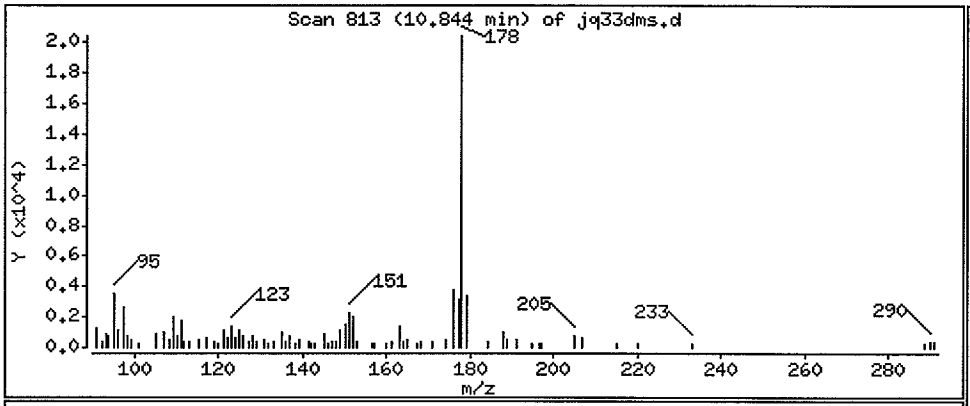
Operator: VTS

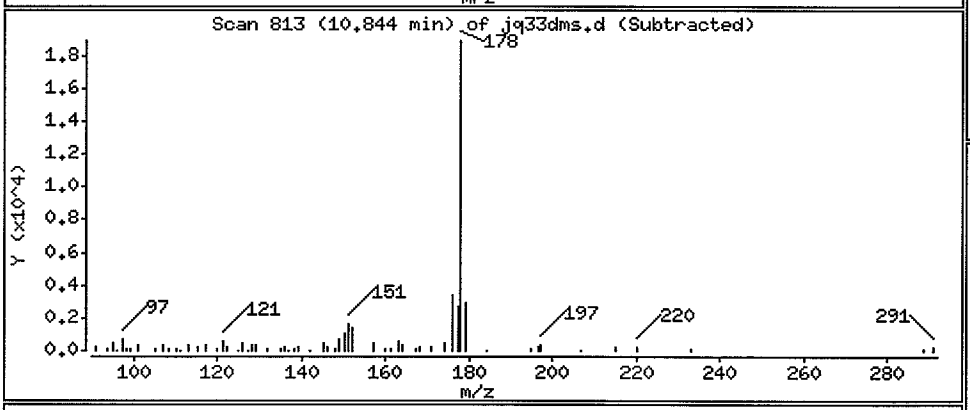
Column phase: ZB-5

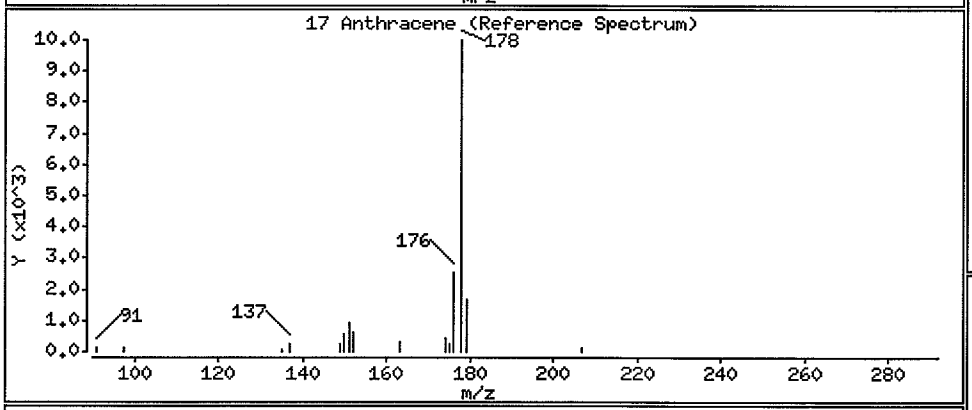
Column diameter: 0.25

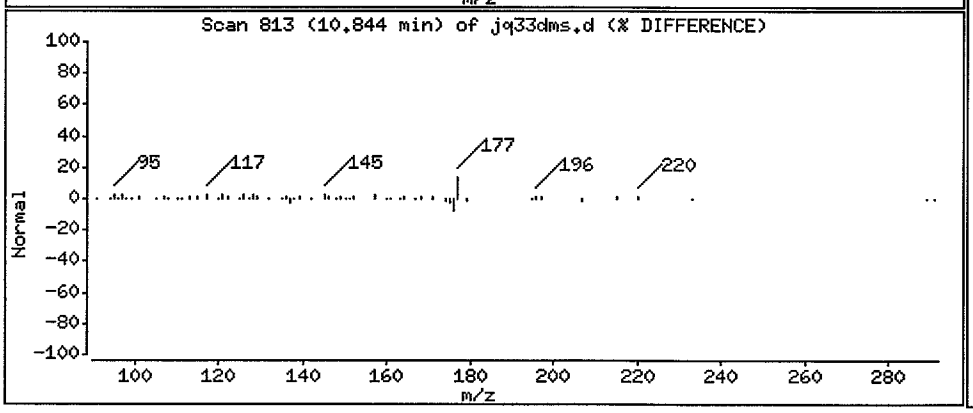
17 Anthracene

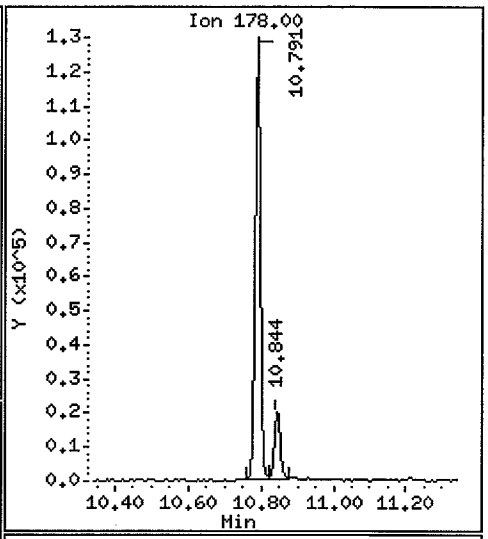
Concentration: 100.6 ug/kg

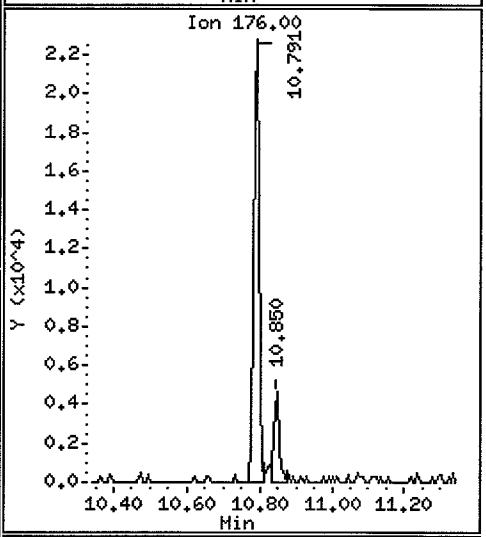


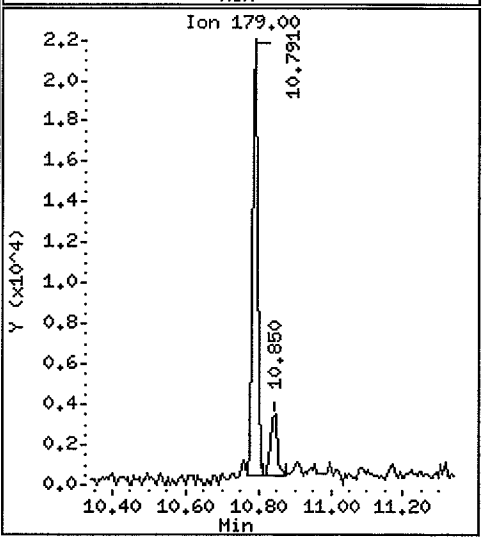












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

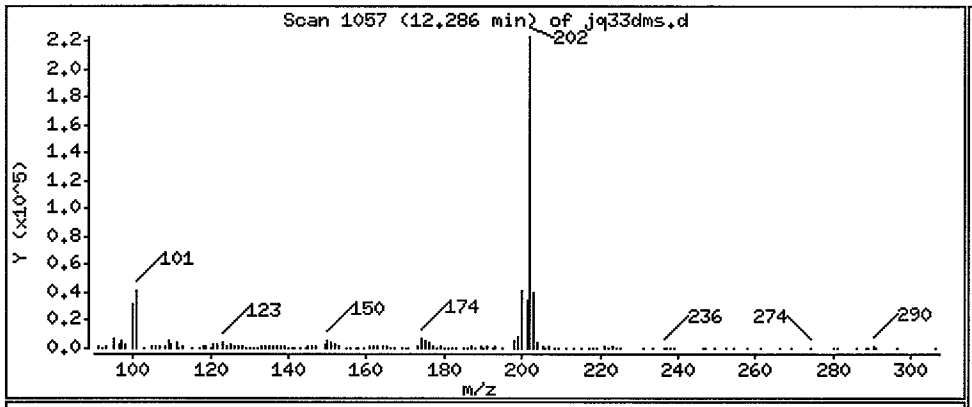
Operator: VTS

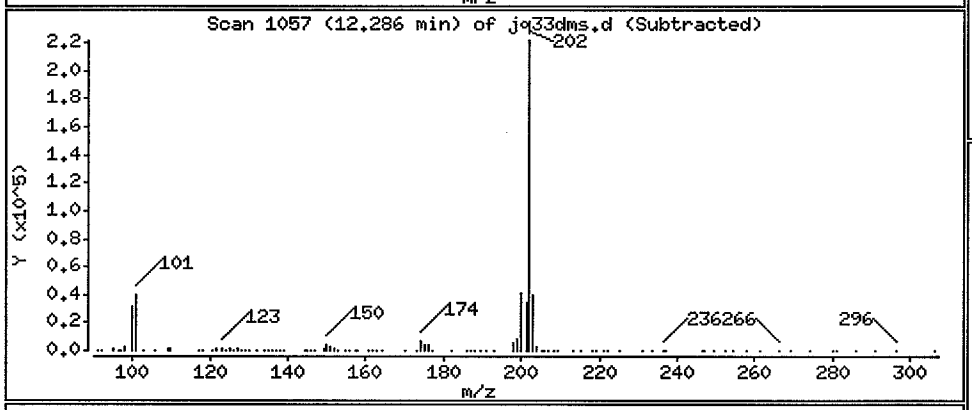
Column phase: ZB-5

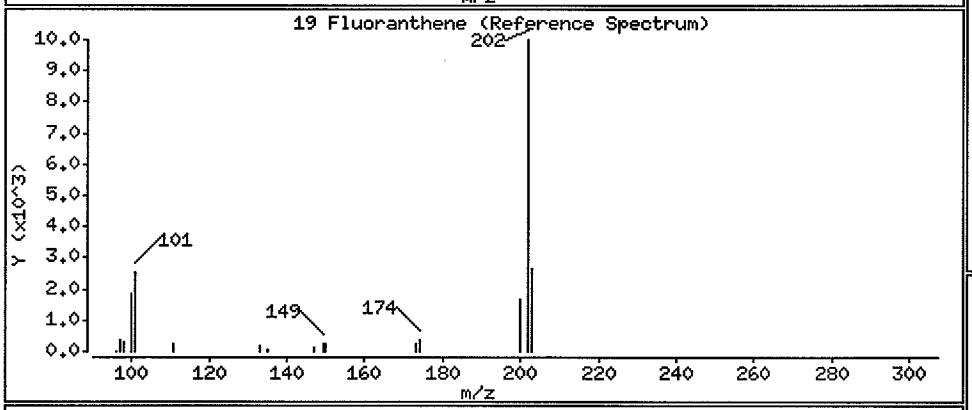
Column diameter: 0.25

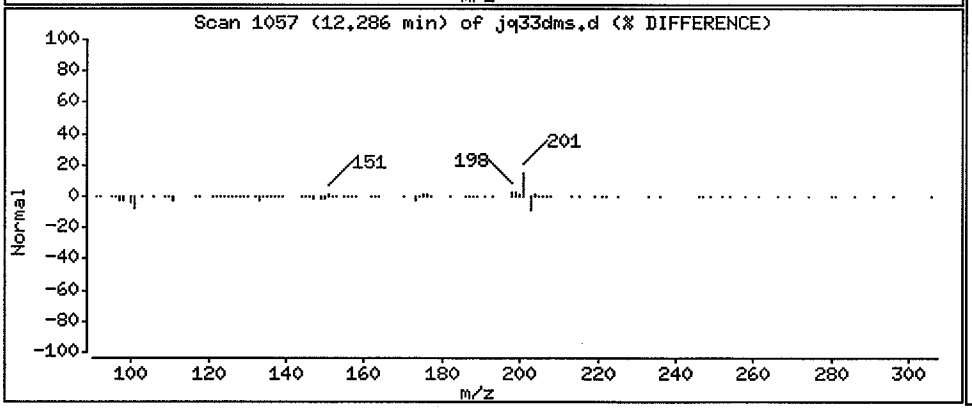
19 Fluoranthene

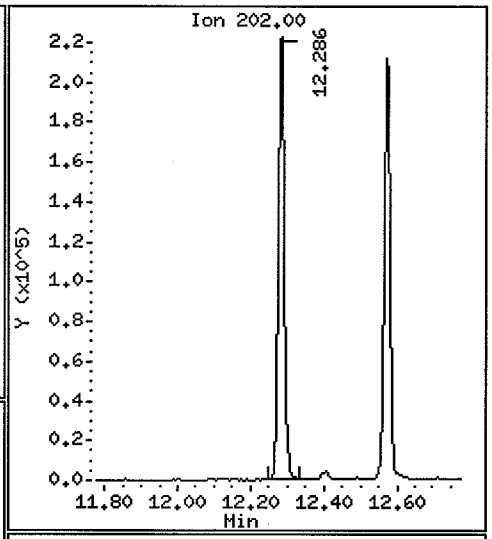
Concentration: 1048 ug/kg

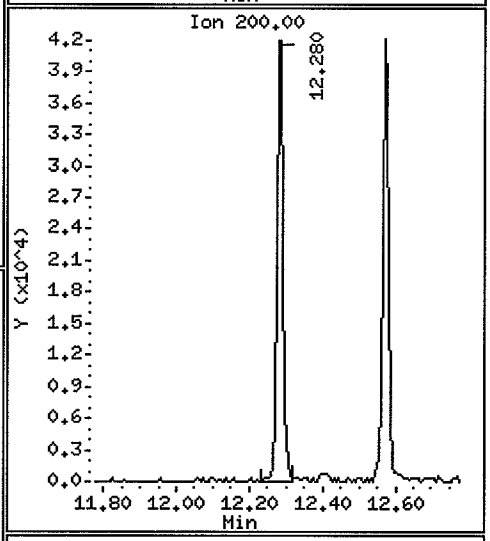


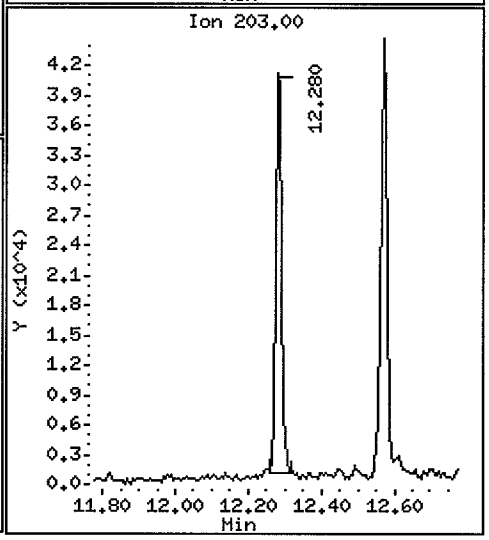












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

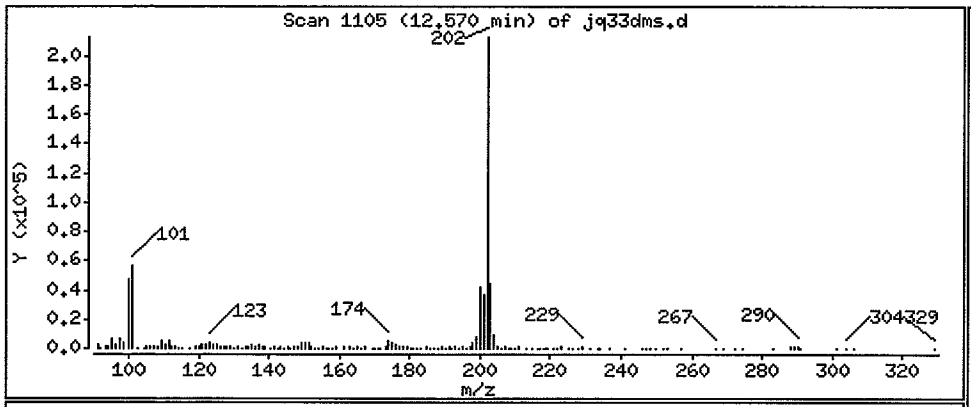
Operator: VTS

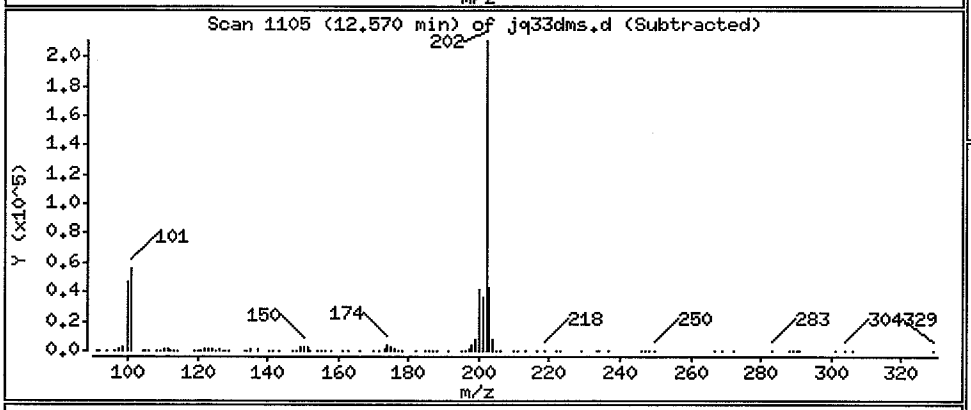
Column phase: ZB-5

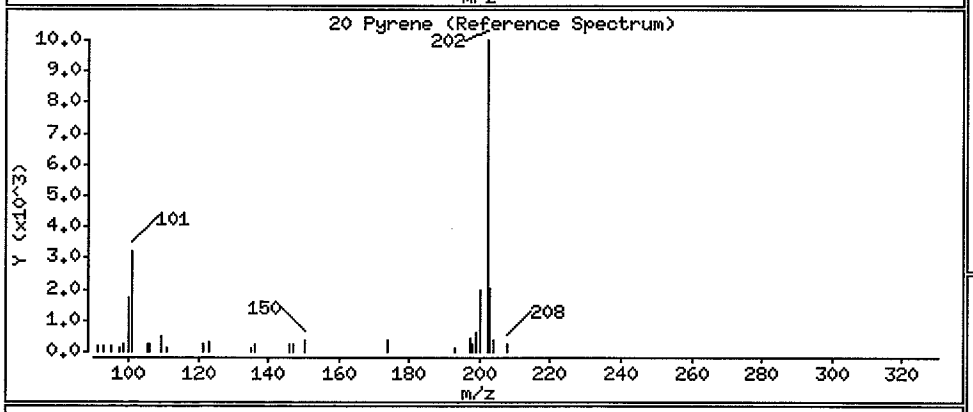
Column diameter: 0.25

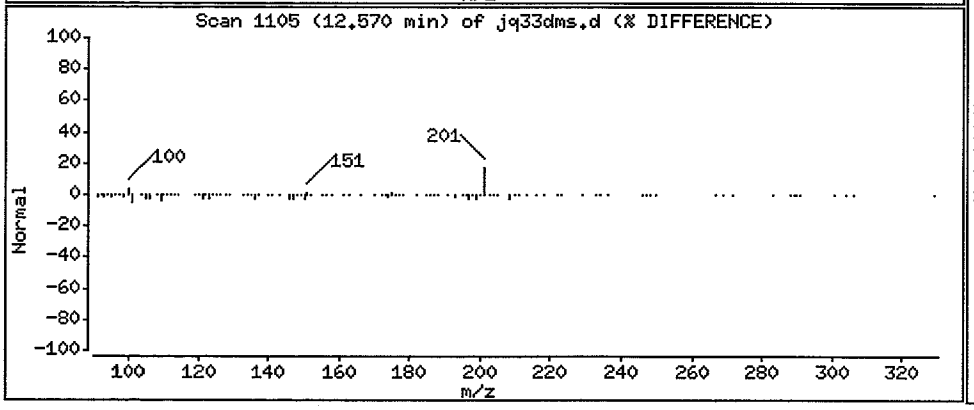
20 Pyrene

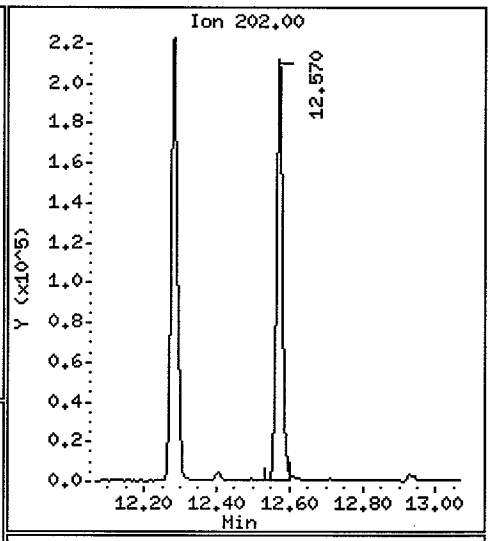
Concentration: 938.4 ug/kg

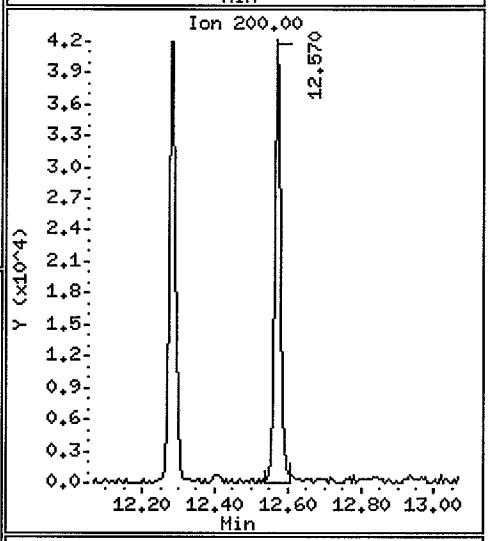


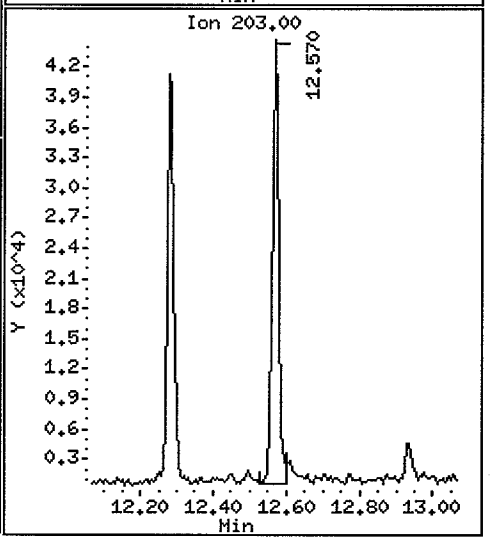












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

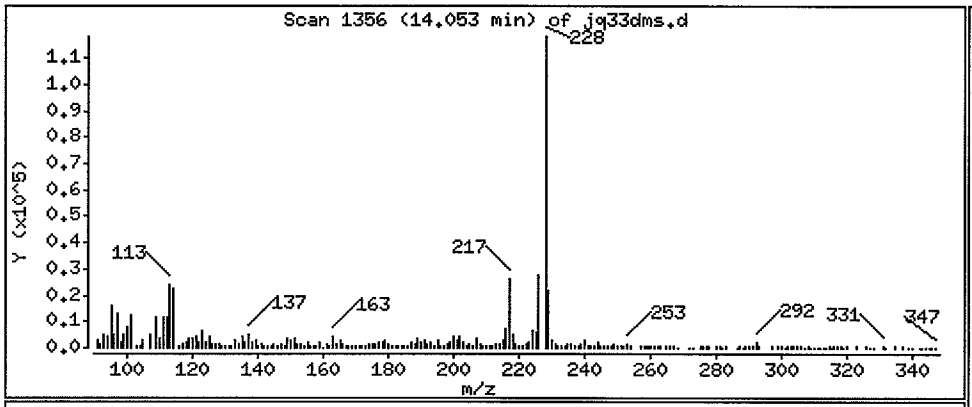
Operator: VTS

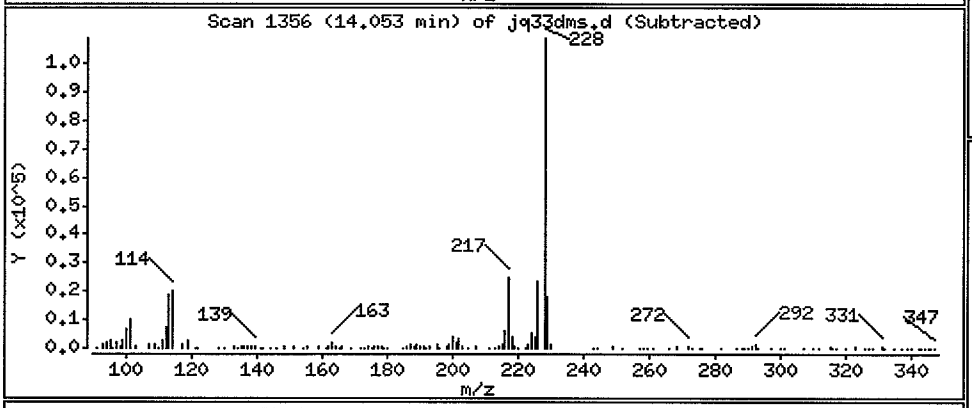
Column phase: ZB-5

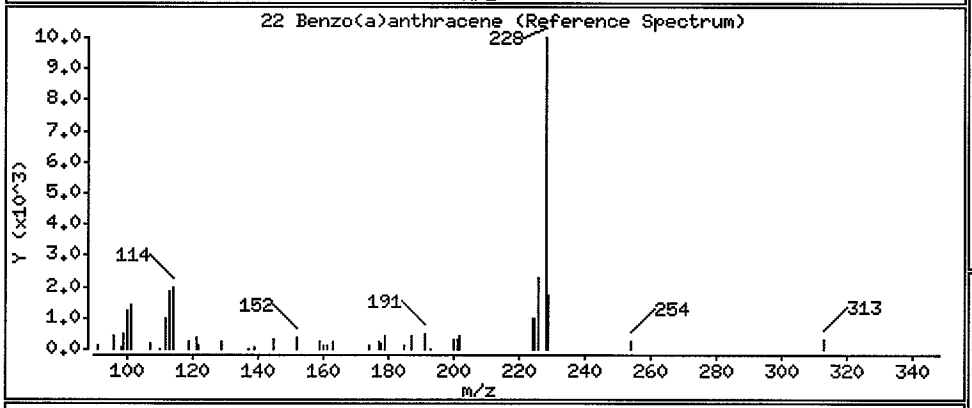
Column diameter: 0.25

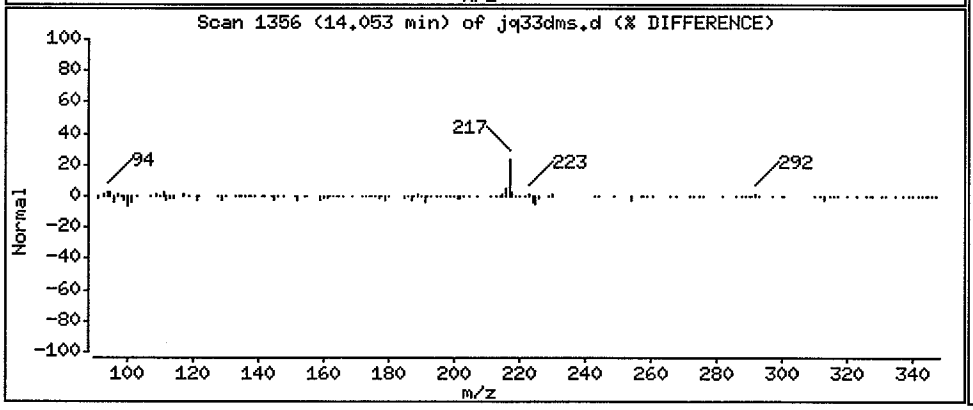
22 Benzo(a)anthracene

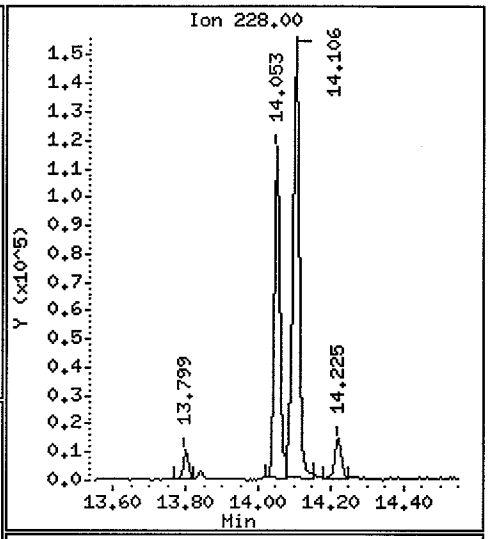
Concentration: 531.5 ug/kg

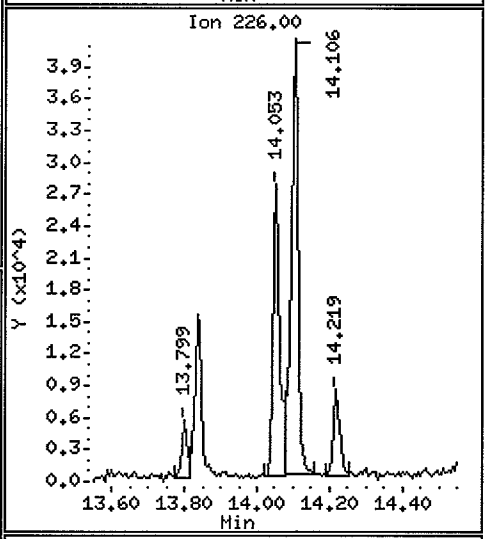


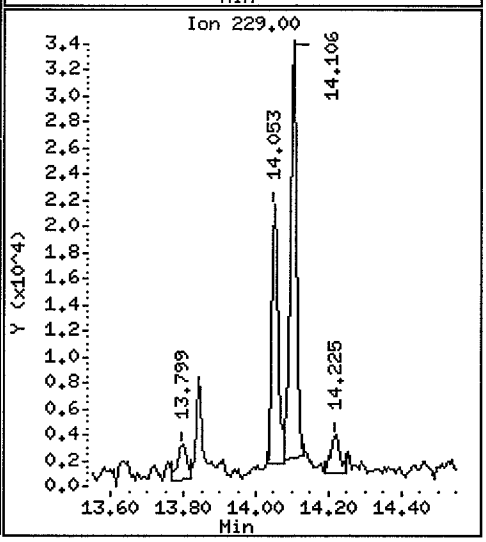












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

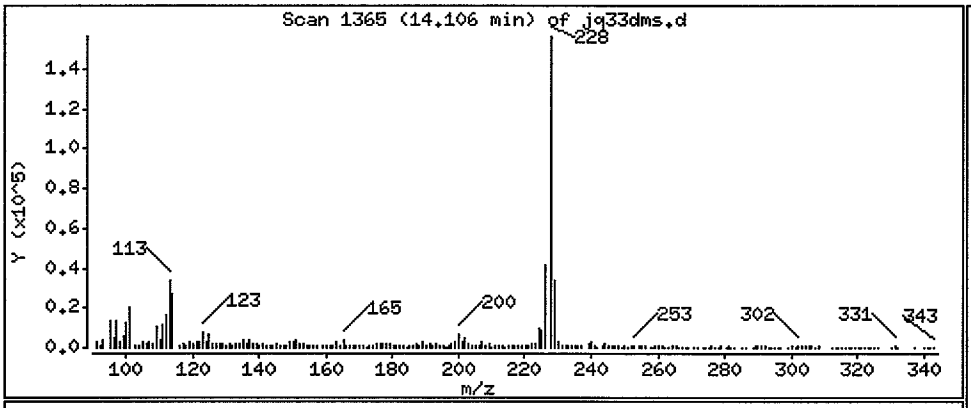
Operator: VTS

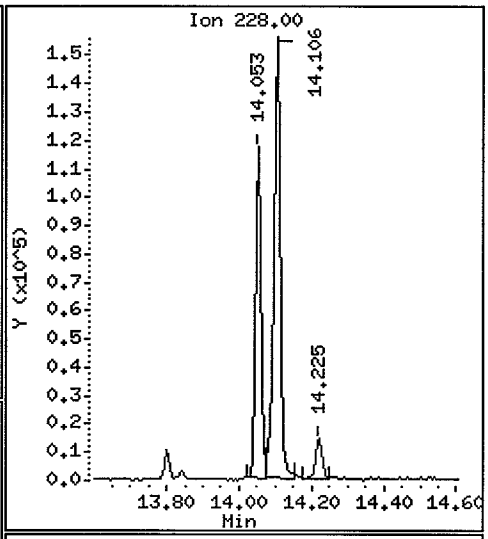
Column phase: ZB-5

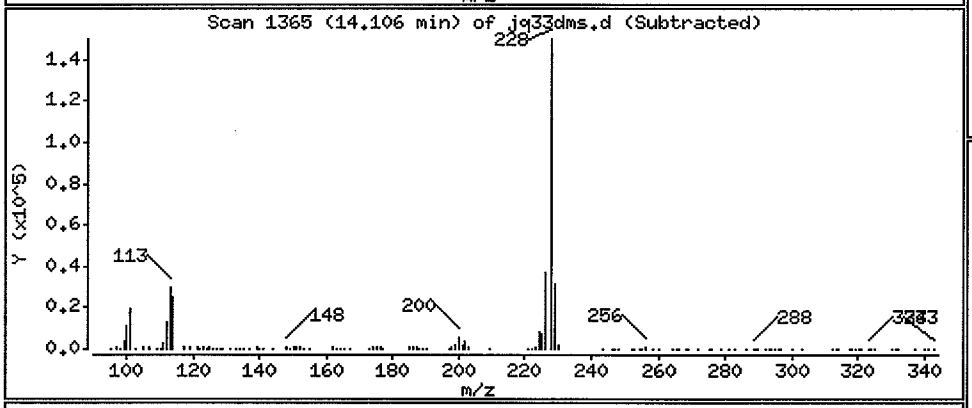
Column diameter: 0.25

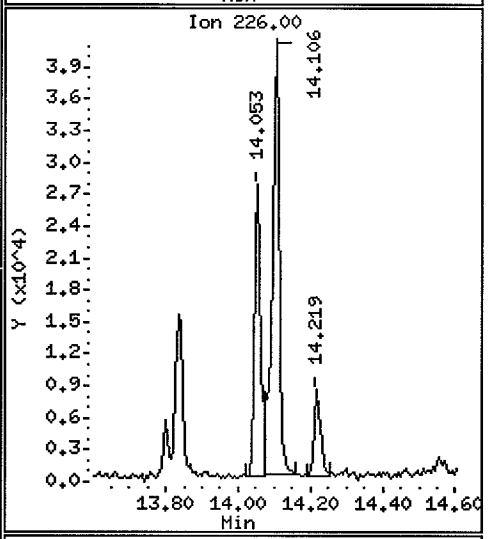
24 Chrysene

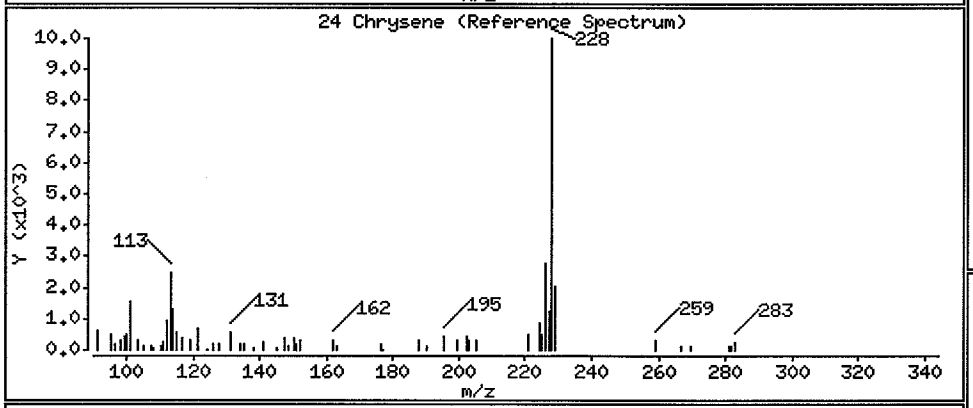
Concentration: 882.0 ug/kg

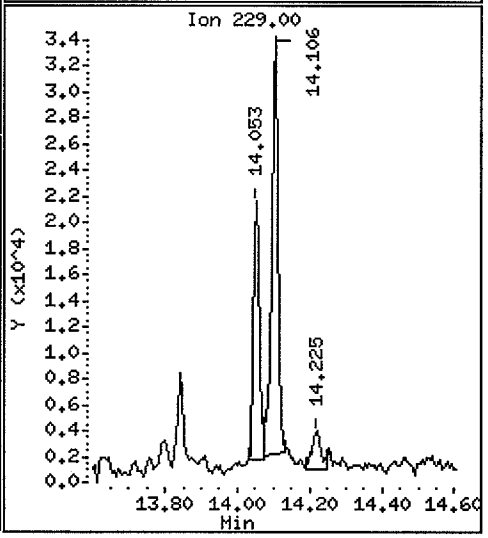


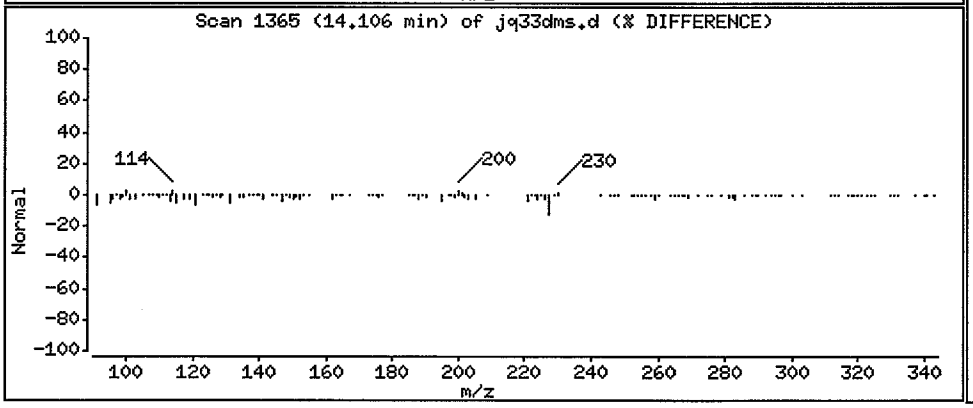












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

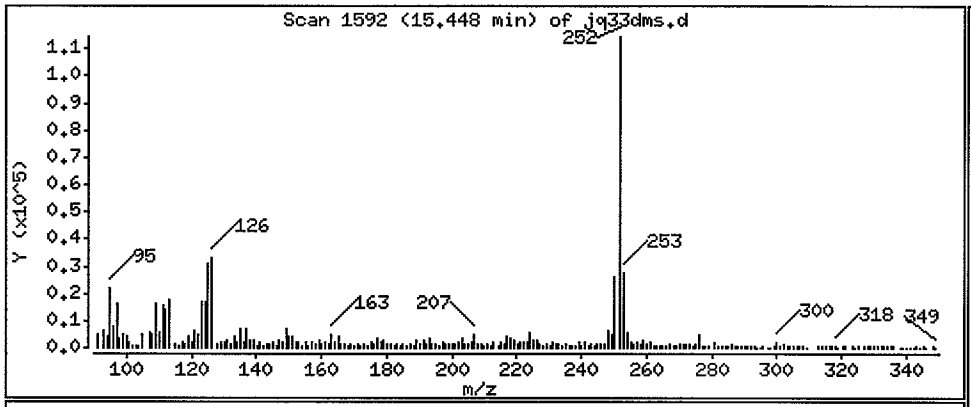
Operator: VTS

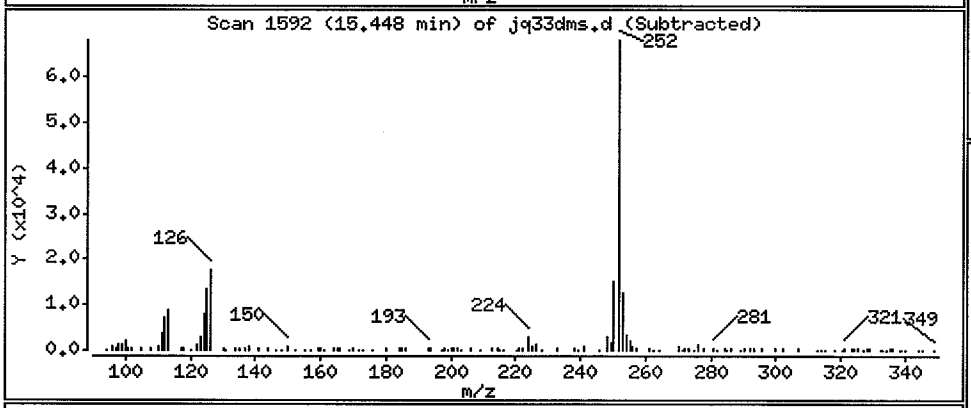
Column phase: ZB-5

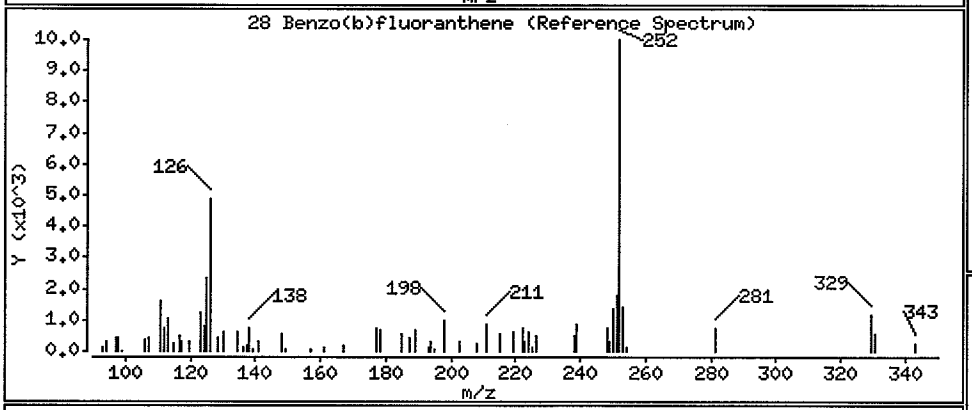
Column diameter: 0.25

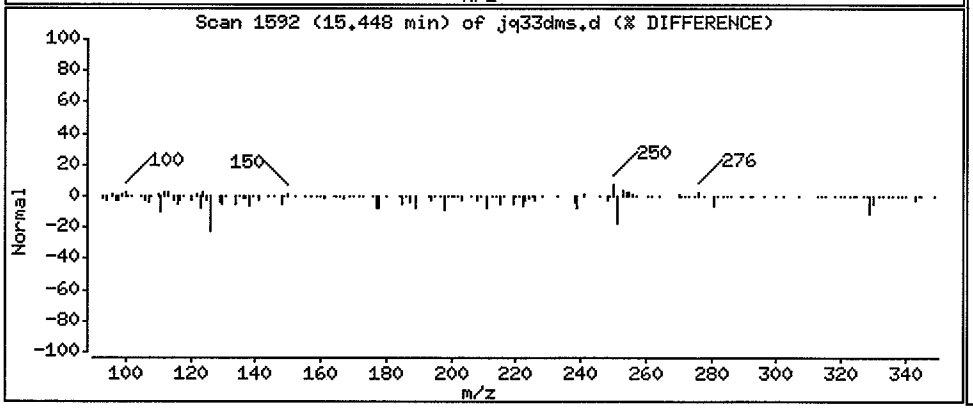
28 Benzo(b)fluoranthene

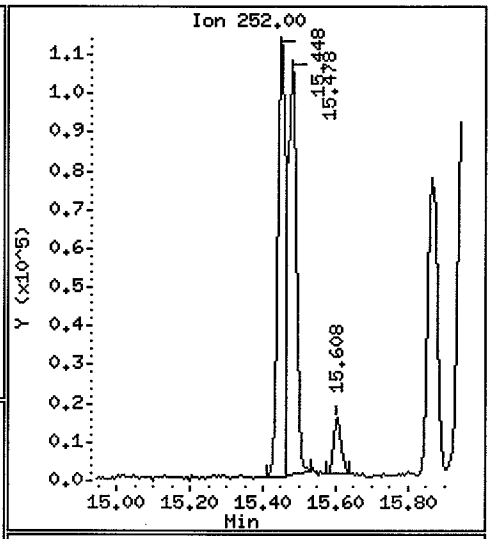
Concentration: 793.5 ug/kg

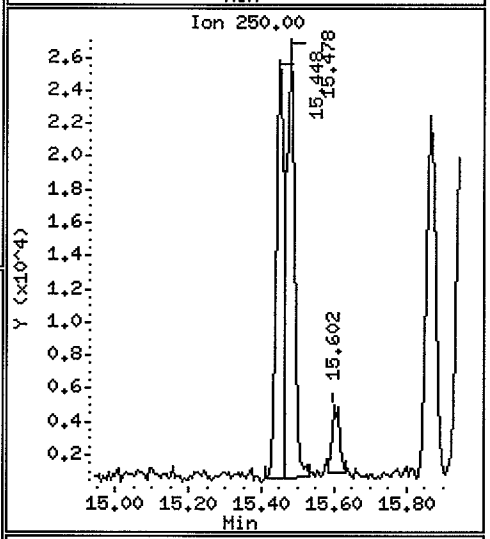


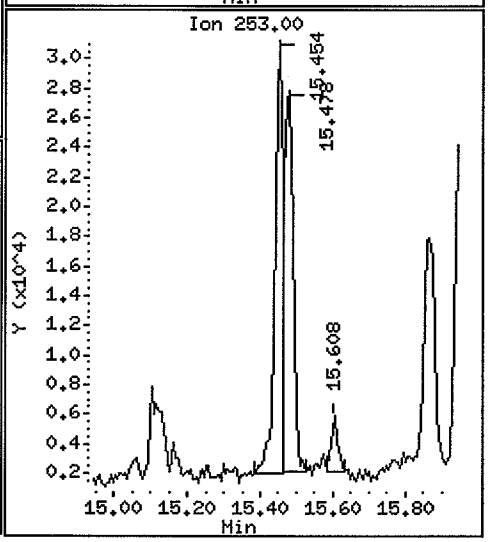












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

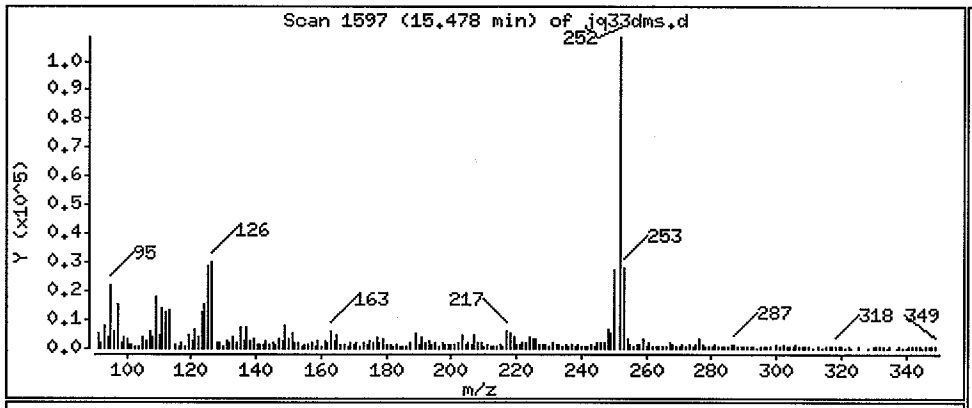
Operator: VTS

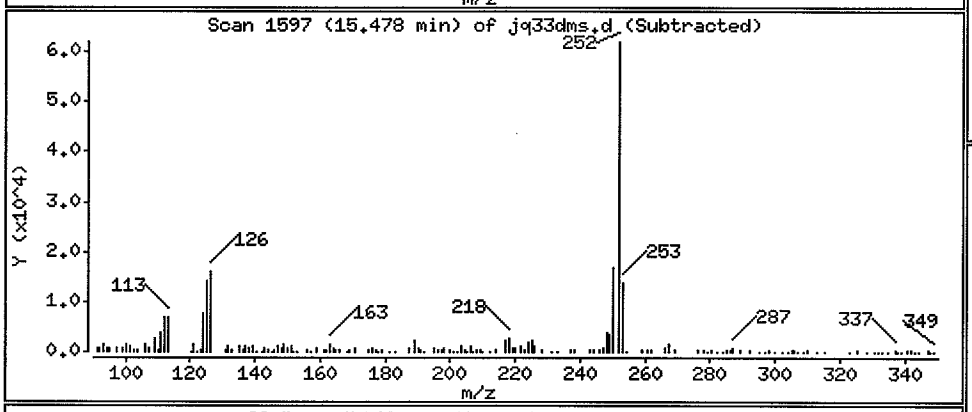
Column phase: ZB-5

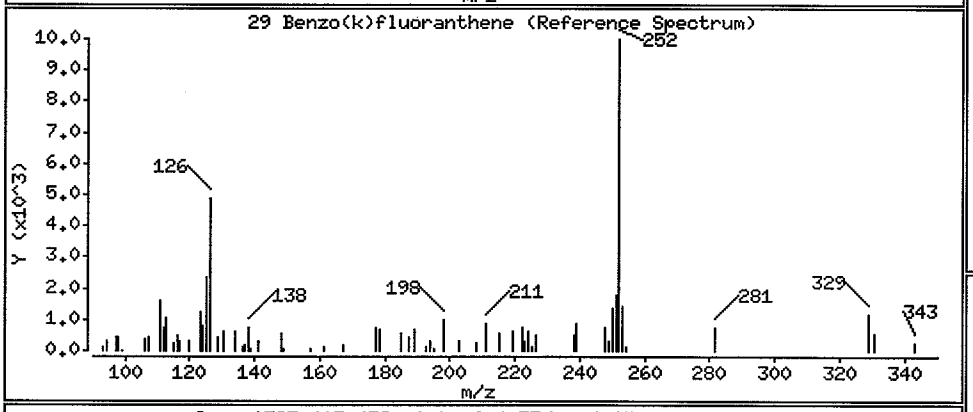
Column diameter: 0.25

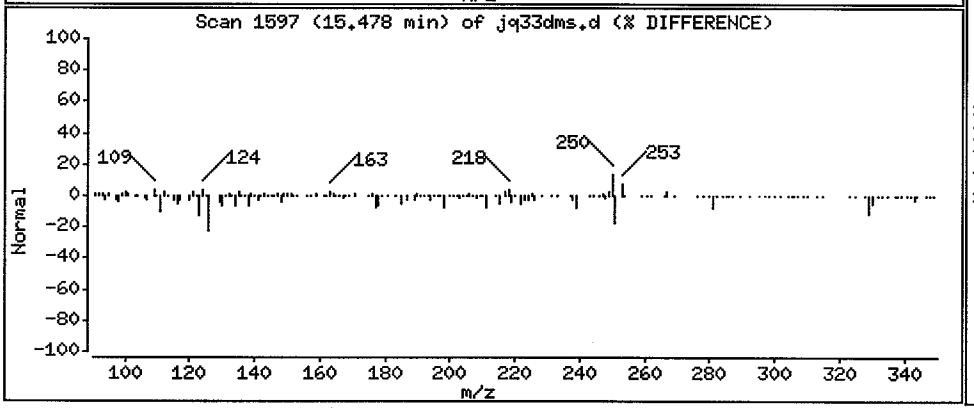
29 Benzo(k)fluoranthene

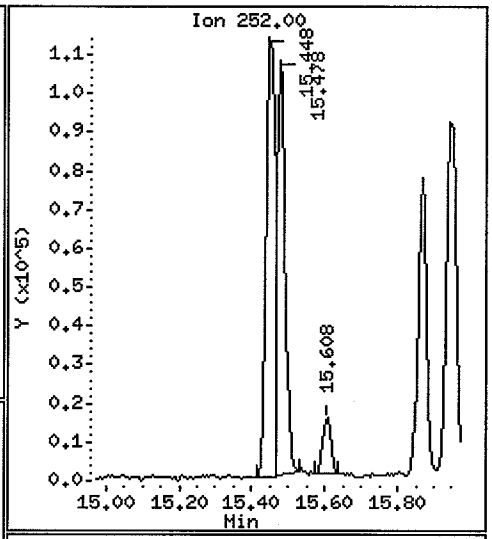
Concentration: 701.0 ug/kg

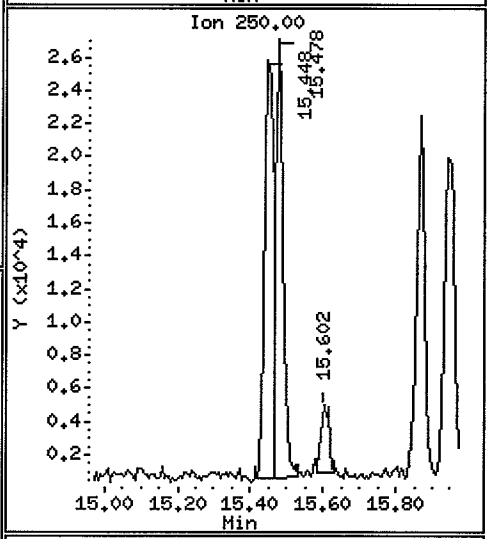


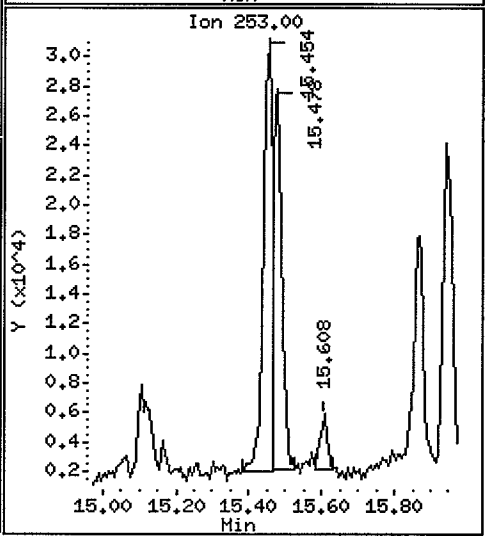












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

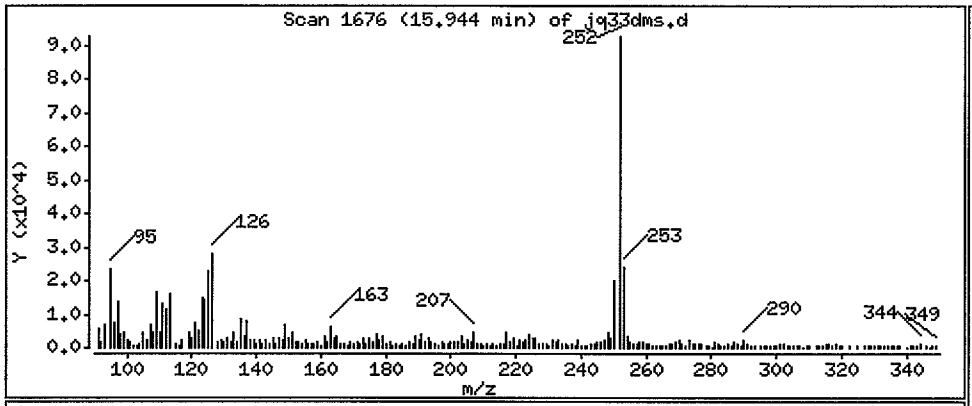
Operator: VTS

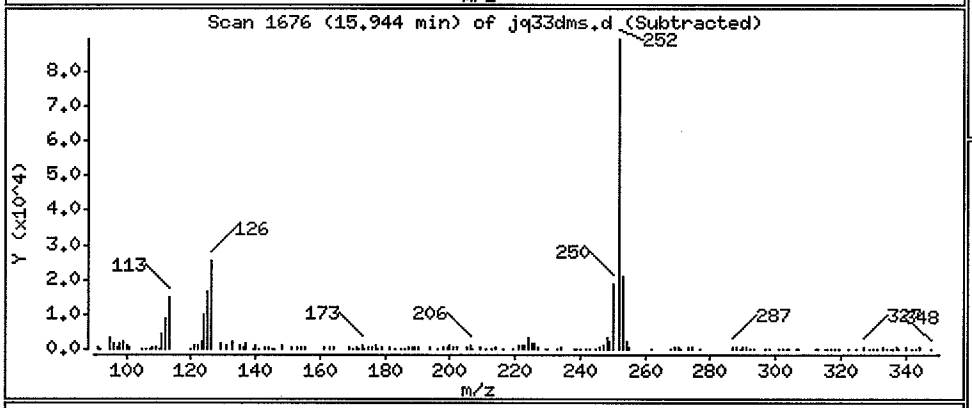
Column phase: ZB-5

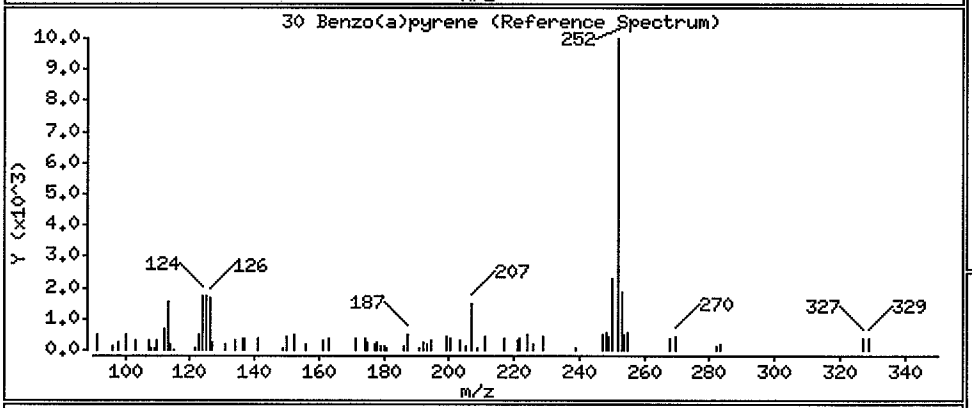
Column diameter: 0.25

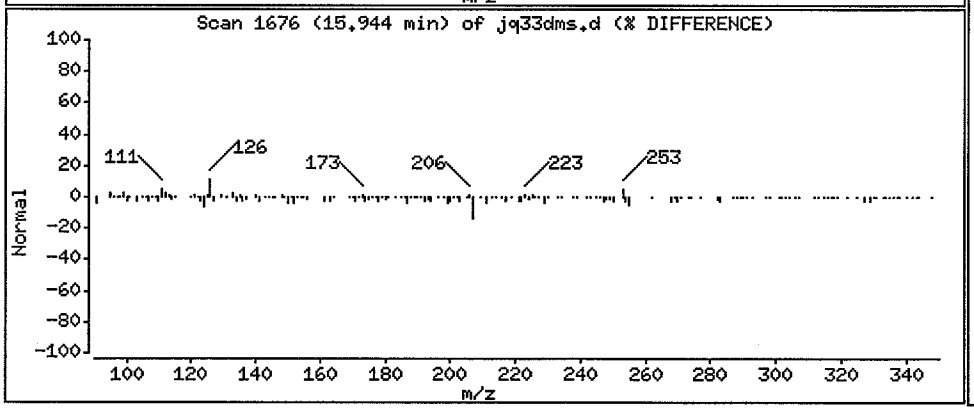
30 Benzo(a)pyrene

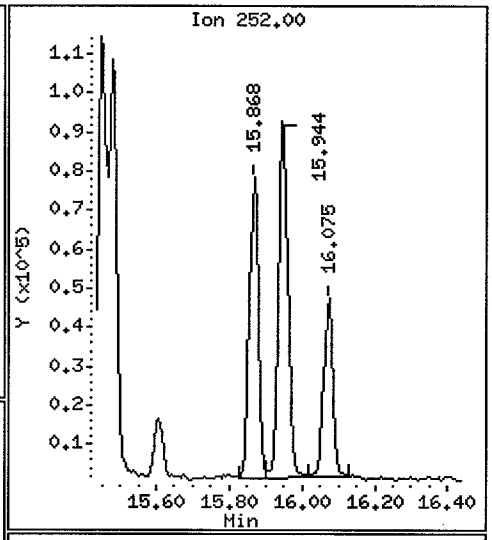
Concentration: 708.9 ug/kg

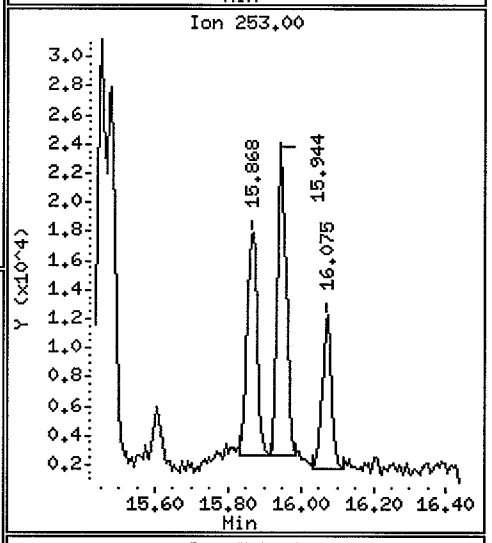


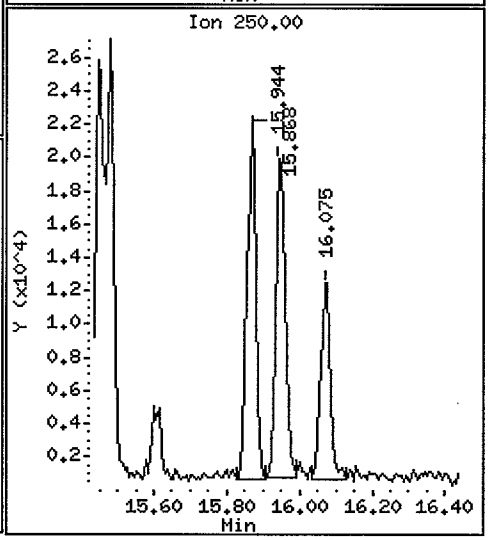












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

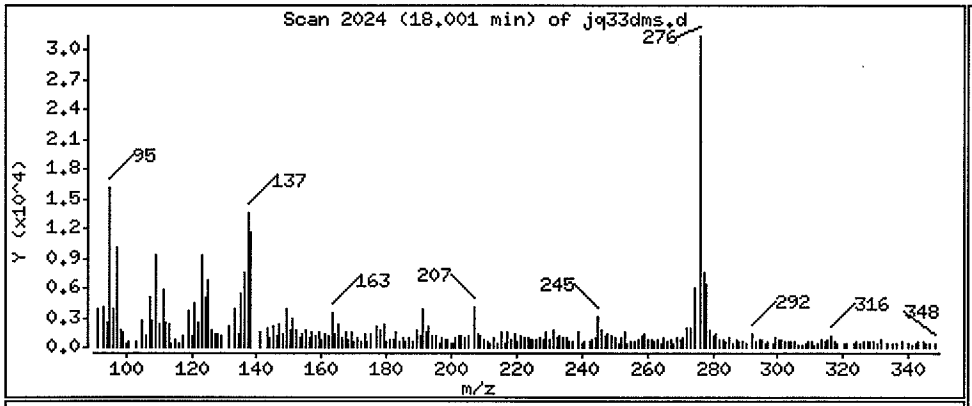
Operator: VTS

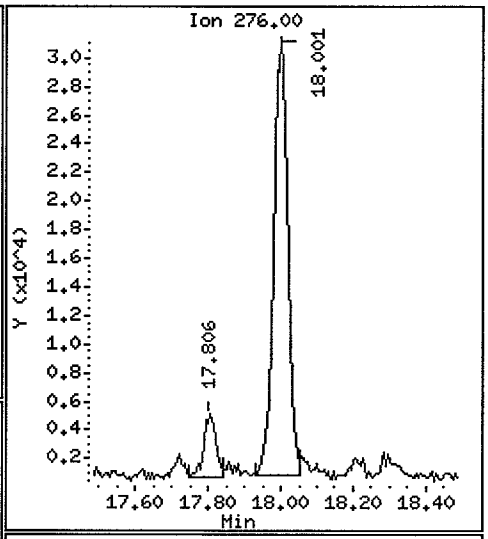
Column phase: ZB-5

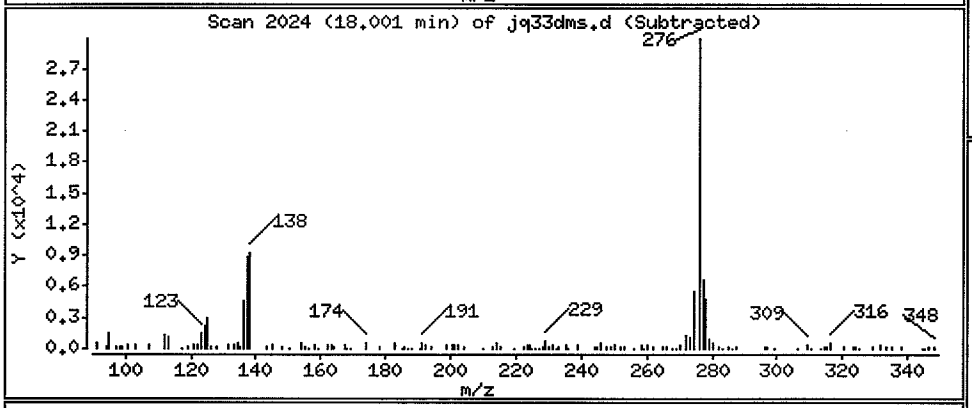
Column diameter: 0.25

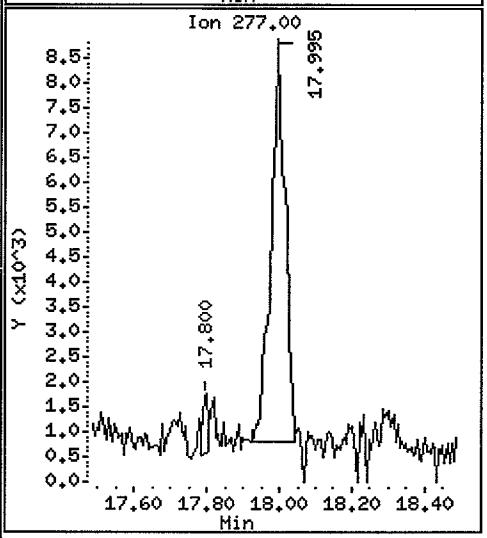
33 Indeno(1,2,3-cd)pyrene

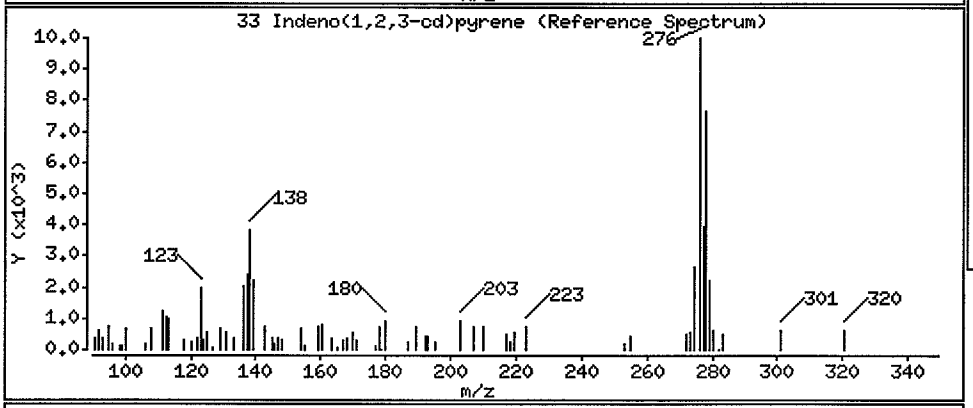
Concentration: 308.0 ug/kg

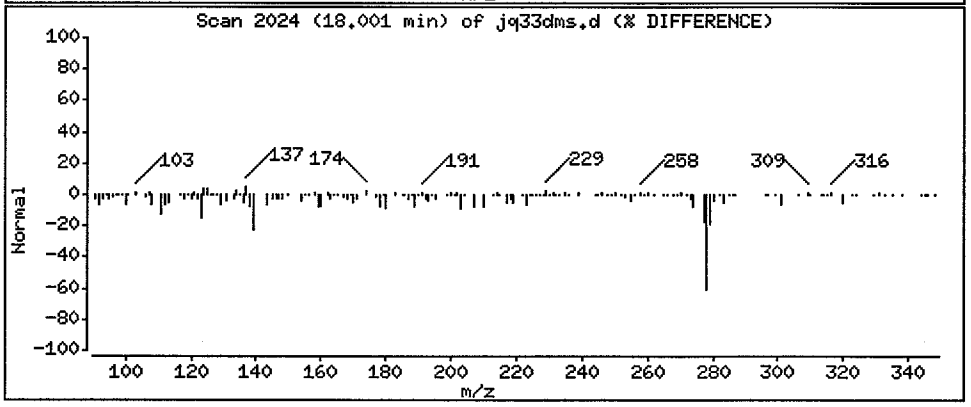












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

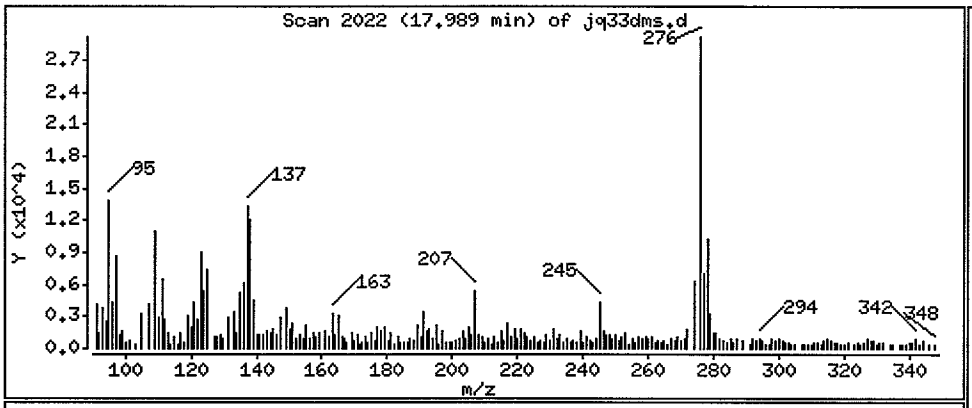
Operator: VTS

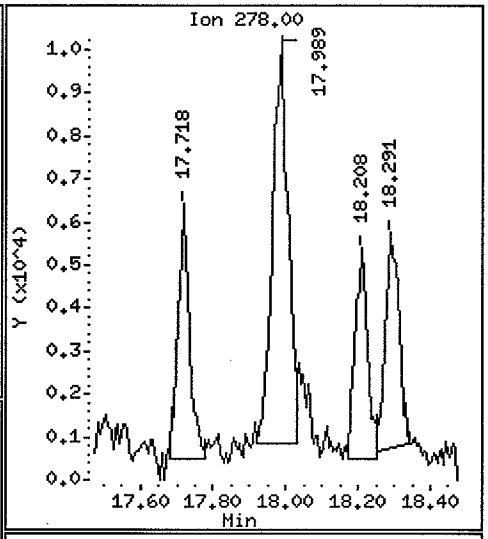
Column phase: ZB-5

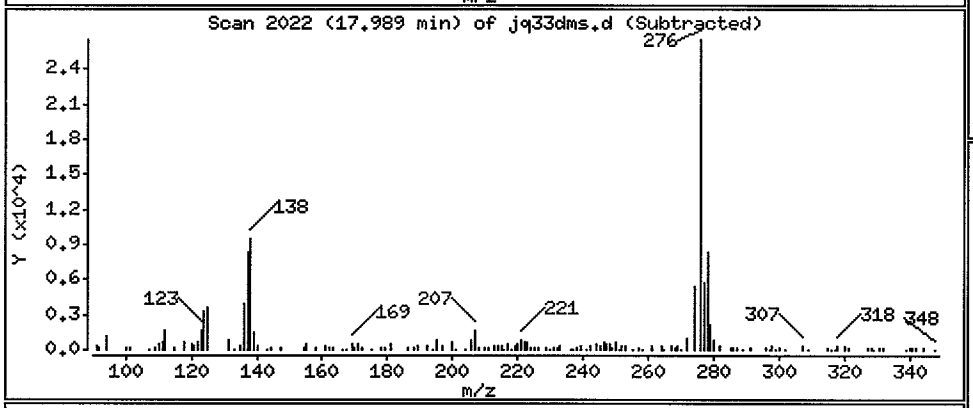
Column diameter: 0.25

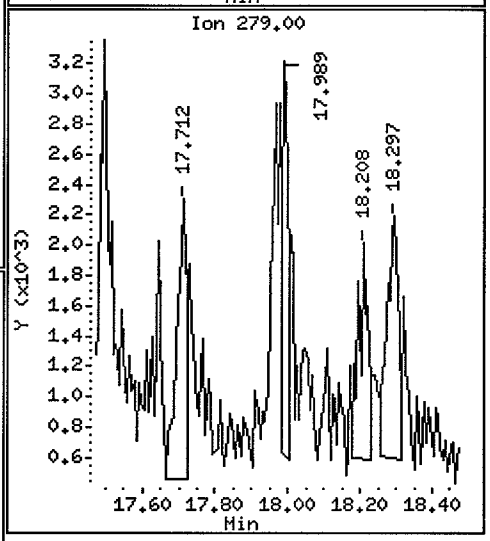
34 Dibenz(a,h)anthracene

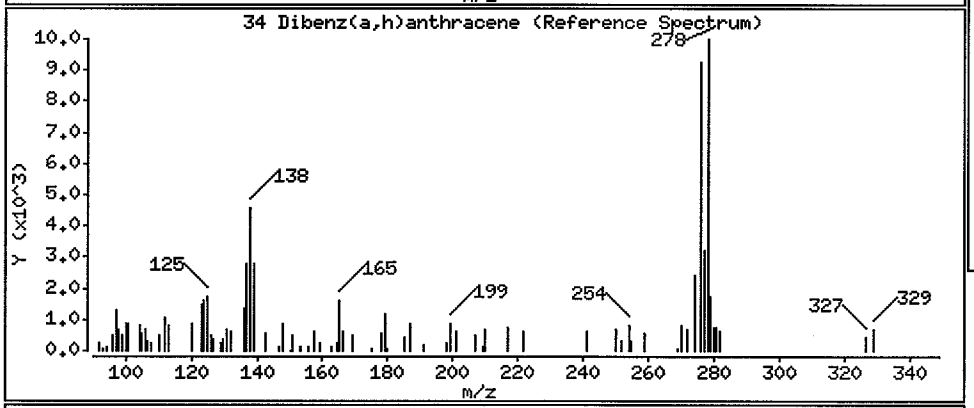
Concentration: 129.9 ug/kg

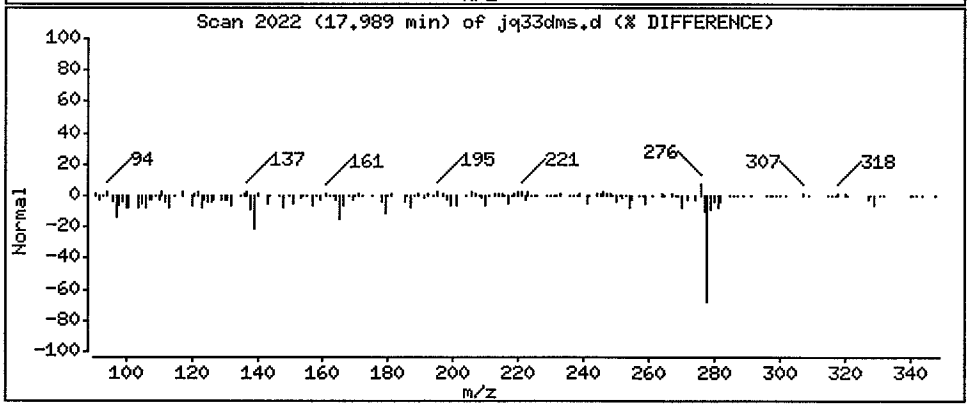












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

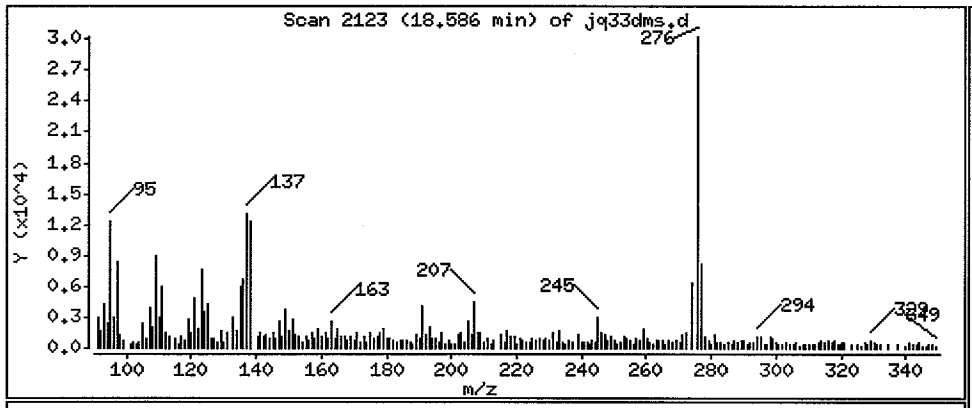
Operator: VTS

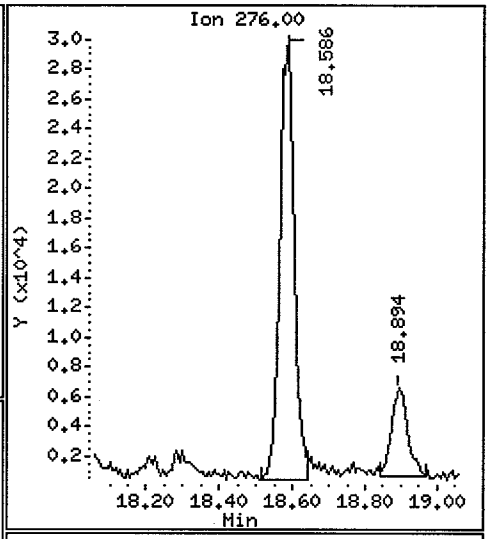
Column phase: ZB-5

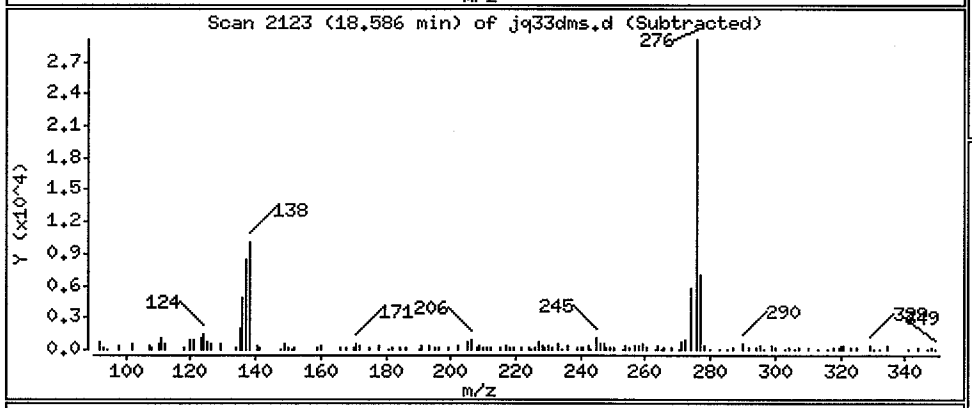
Column diameter: 0.25

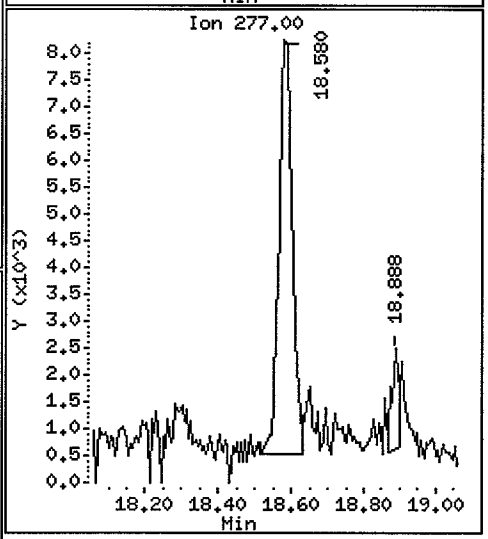
35 Benzo(g,h,i)perylene

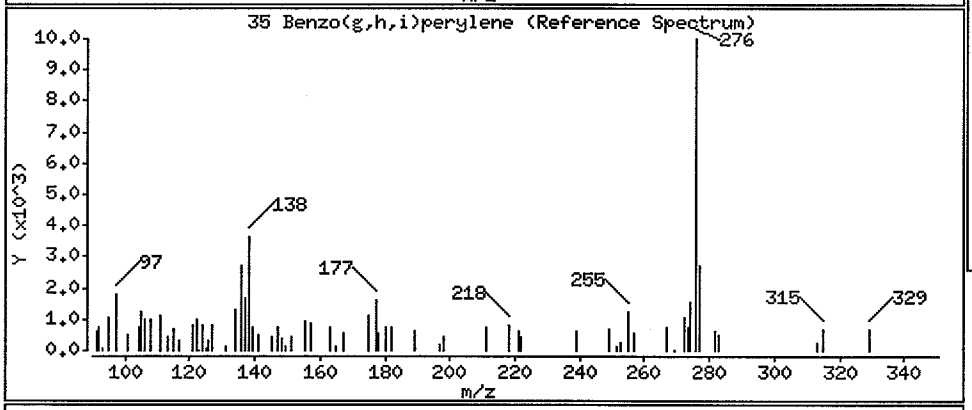
Concentration: 358.8 ug/kg

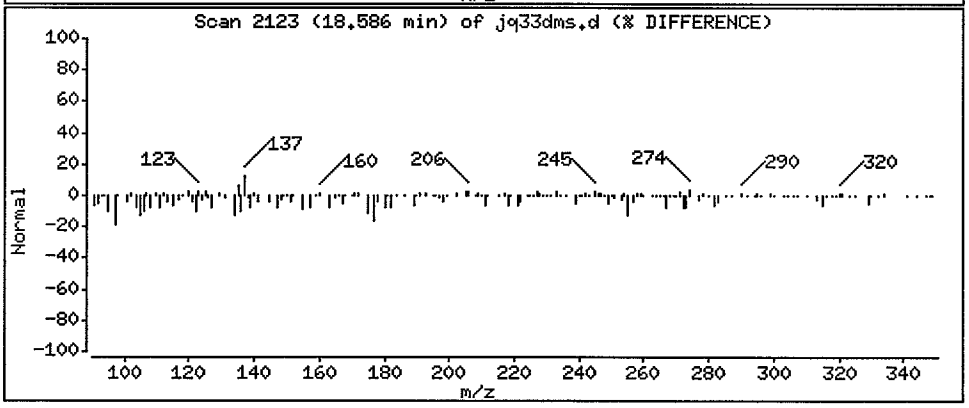












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

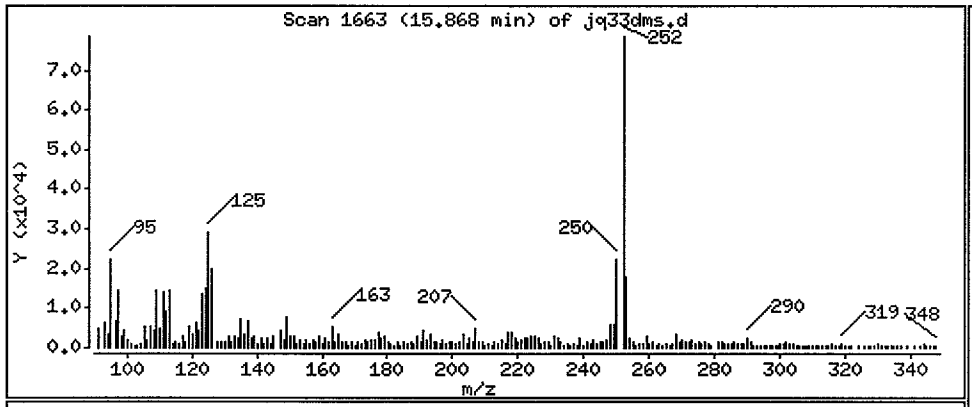
Operator: VTS

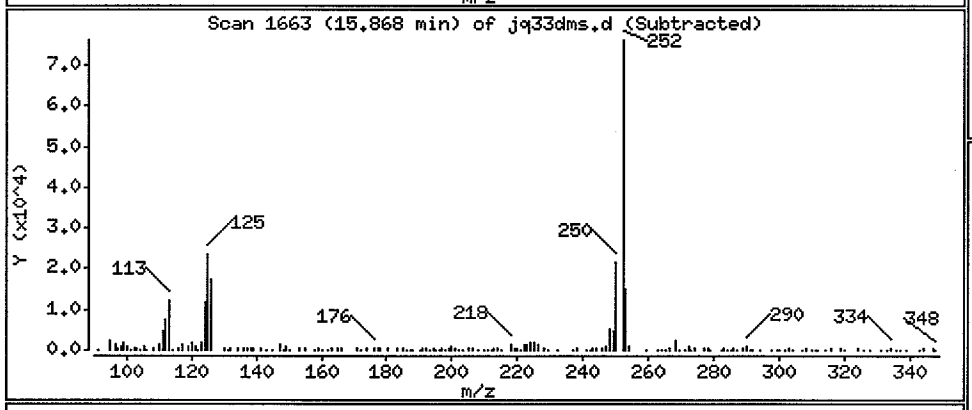
Column phase: ZB-5

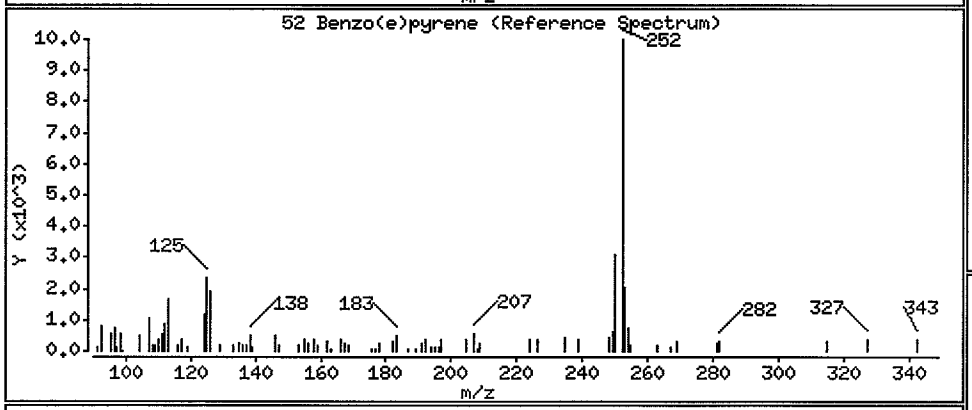
Column diameter: 0.25

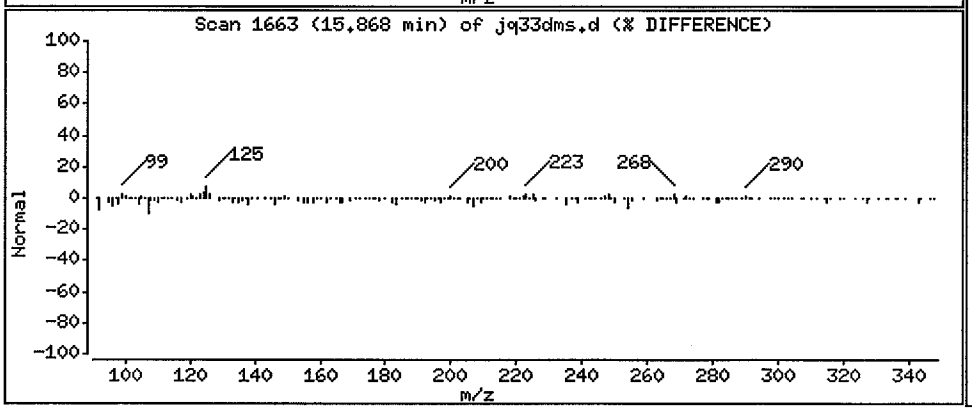
52 Benzo(e)pyrene

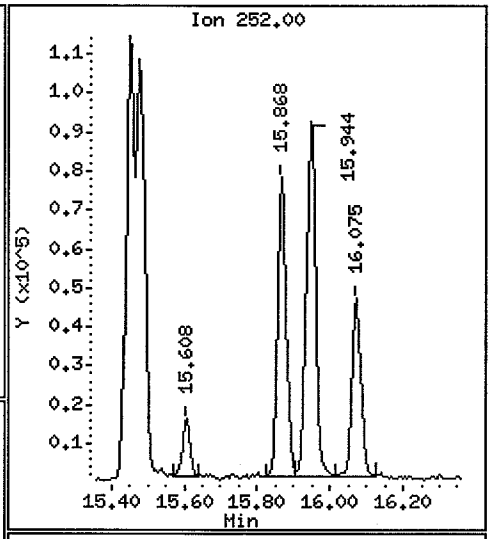
Concentration: 507.3 ug/kg

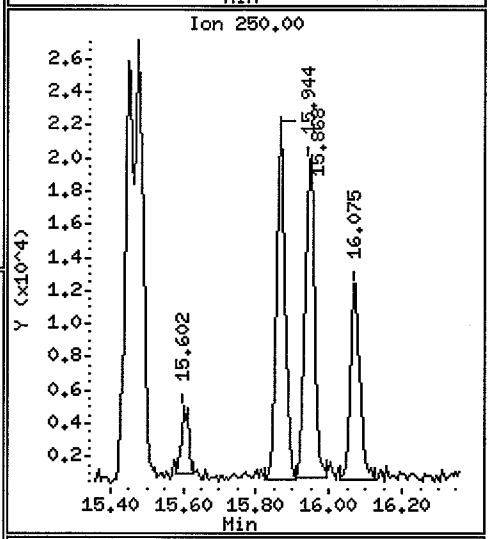


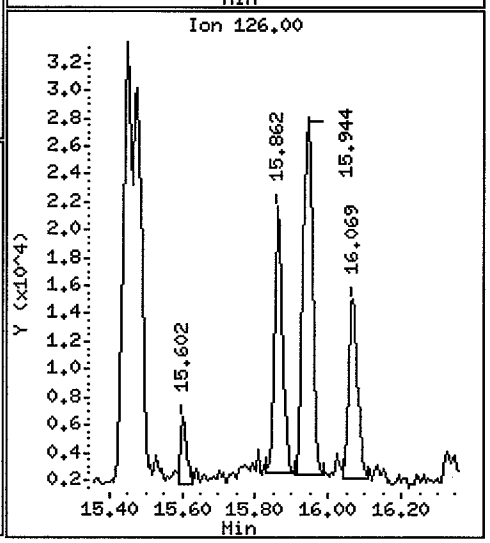












Data File: /chem3/nt1.i/20060804.b/jq33dms.d

Date : 04-AUG-2006 17:01

Client ID: T4-B414-02-A MS

Instrument: nt1.i

Sample Info: JQ33DMS,10

Volume Injected (uL): 1.0

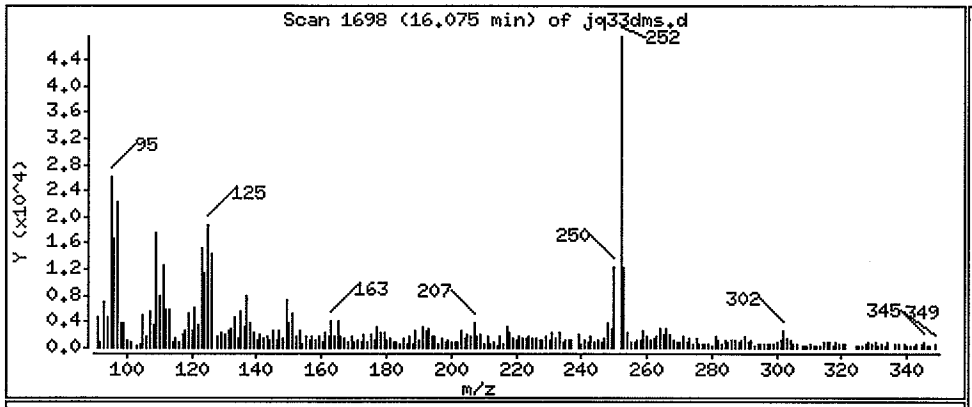
Operator: VTS

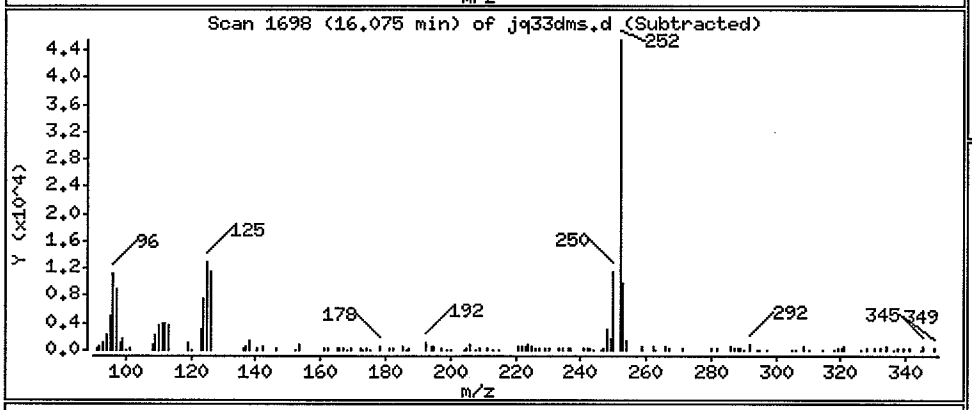
Column phase: ZB-5

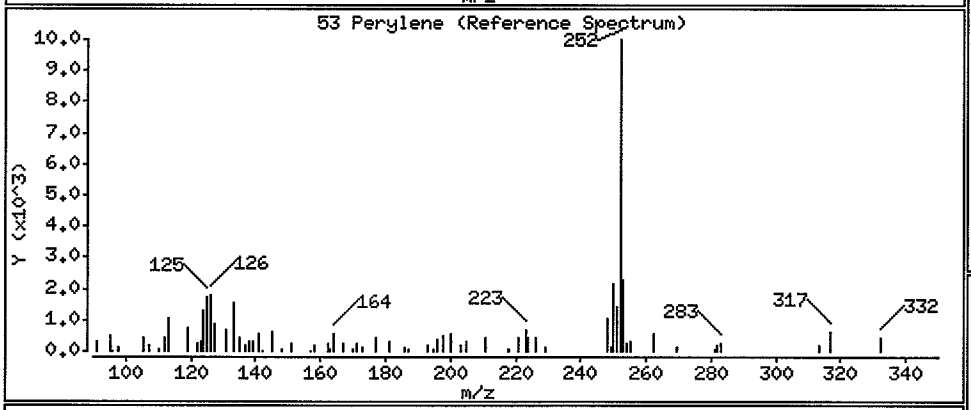
Column diameter: 0.25

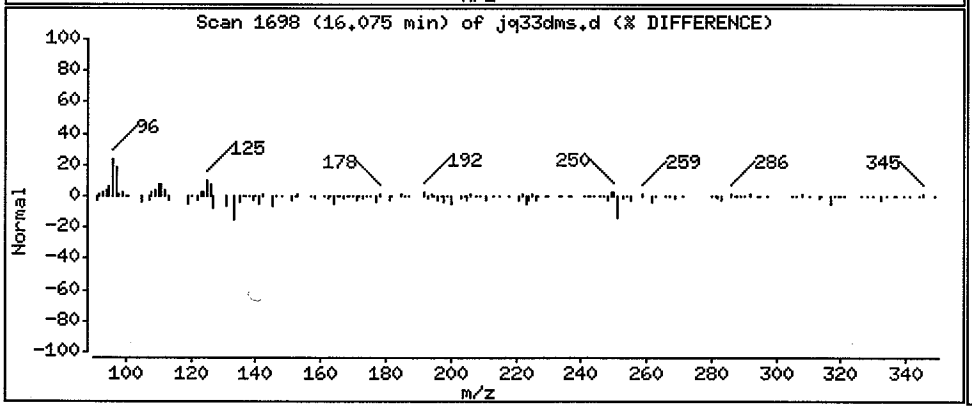
53 Perylene

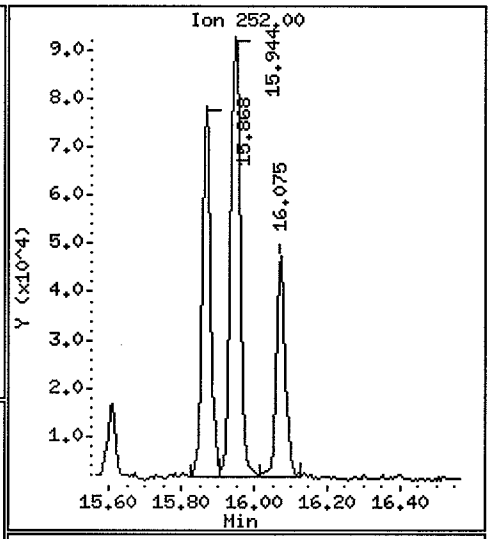
Concentration: 332.4 ug/kg

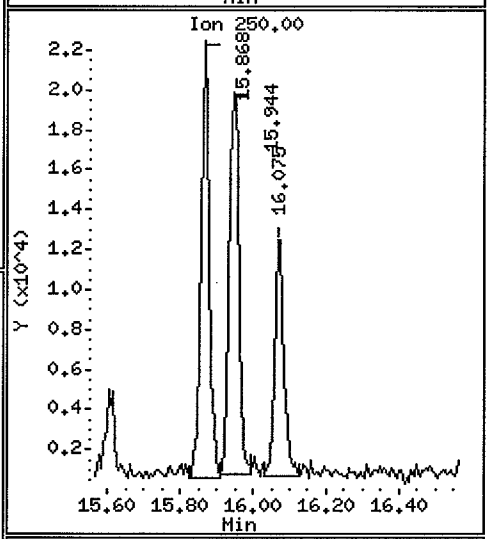


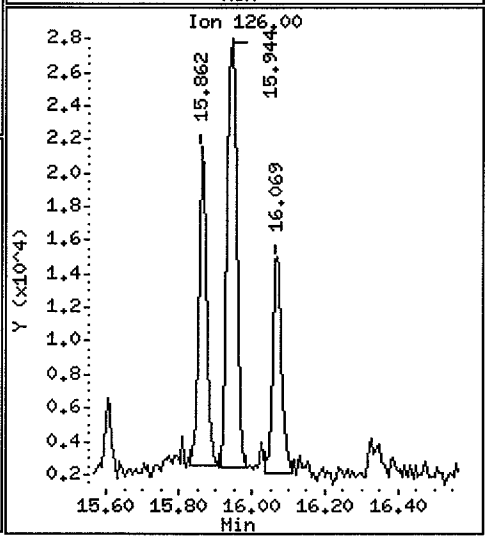












ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

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

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

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

YZ 8/8/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq33dmsd.d
Lab Smp Id: JQ33DMSD Client Smp ID: T4-B414-02-A MSD
Inj Date : 07-AUG-2006 16:13
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33DMSD
Misc Info : 06-12926
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: 13 QC Sample: MS
Dil Factor: ~~1.00000~~ 10.000
Integrator: HP RTE YZ 8/8. 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	20.10000	Weight of sample extracted (g)
M	49.70000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	1 Naphthalene-d8	136	6.889	6.891	(1.000)	243802	2.00000	
	2 Naphthalene	128	6.913	6.915	(1.003)	8614	0.07083 J	3.503
$	3 2-Methylnaphthalene-d10	152	7.646	7.648	(1.110)	12101	0.19270	9.530 (R)
	4 2-Methylnaphthalene	142	7.687	7.683	(1.116)	4214	0.05851 J	2.894
	5 1-Methylnaphthalene	142	Compound Not Detected.					
	7 Acenaphthylene	152	Compound Not Detected.					
*	8 Acenaphthene-d10	164	8.952	8.954	(1.000)	135461	2.00000	
	9 Acenaphthene	153	8.993	8.989	(1.005)	16223	0.24391	12.06
	10 Dibenzofuran	168	9.182	9.178	(1.026)	6489	0.06623 J	3.275
	11 Fluorene	166	9.602	9.604	(1.073)	12380	0.16232	8.027
*	15 Phenanthrene-d10	188	10.766	10.762	(1.000)	217457	2.00000	
	16 Phenanthrene	178	10.796	10.792	(1.003)	189448	1.69730 B	83.94
	17 Anthracene	178	10.849	10.851	(1.008)	30552	0.27390	13.55
	19 Fluoranthene	202	12.291	12.287	(1.142)	327062	2.87283	142.1
	20 Pyrene	202	12.581	12.577	(0.893)	287442	2.21865	109.7

x10 8/8/06

	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)	171088	1.40815	69.64
*	23 Chrysene-d12	240	14.082	14.078	(1.000)	201762	2.00000	
	24 Chrysene	228	14.111	14.107	(1.002)	240667	2.14758	106.2
	28 Benzo(b)fluoranthene	252	15.459	15.455	(0.964)	240973	2.03868	100.8
	29 Benzo(k)fluoranthene	252	15.482	15.484	(0.965)	227085	1.80207	89.12
	30 Benzo(a)pyrene	252	15.955	15.951	(0.995)	203047	1.76294	87.19
*	31 Perylene-d12	264	16.038	16.034	(1.000)	209436	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	18.000	18.002	(1.122)	149595	1.12943	55.86
$	32 Dibenz(a,h)anthrancene-d14	292	17.923	17.931	(1.118)	16415	0.20480	10.13(R)
	34 Dibenz(a,h)anthracene	278	17.988	17.996	(1.122)	47443	0.43846	21.68
	35 Benzo(g,h,i)perylene	276	18.591	18.581	(1.159)	149745	1.36007	67.26
	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	11.570	11.566	(0.822)	5896	0.07139	3.531
	52 Benzo(e)pyrene	252	15.872	15.869	(0.990)	158684	1.24468	61.56
	53 Perylene	252	16.079	16.075	(1.003)	95091	0.79439	39.29

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33dmsd.d
Lab Smp Id: JQ33DMSD
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12926

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-B414-02-A MSD
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	243802	5.52
8 Acenaphthene-d10	129131	64566	258262	135461	4.90
15 Phenanthrene-d10	212850	106425	425700	217457	2.16
23 Chrysene-d12	190817	95408	381634	201762	5.74
31 Perylene-d12	197592	98796	395184	209436	5.99

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	-0.02
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	0.02

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: JQ33DMSD
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: 06-12926

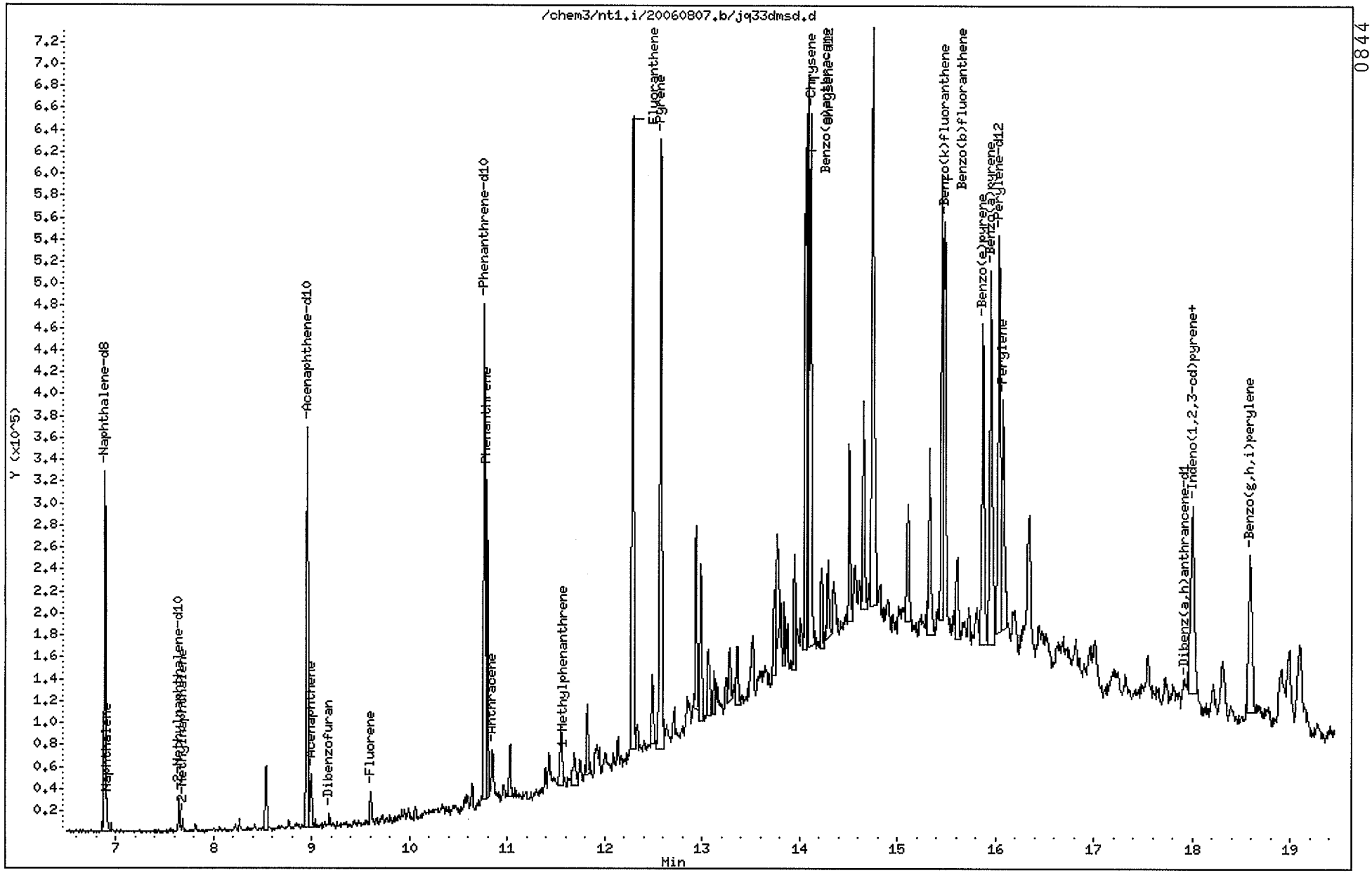
Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-02-A MSD
Operator: VTS
SampleType: MS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
16 Phenanthrene	148.4	83.94	56.58	46-107
24 Chrysene	148.4	106.2	71.59	49-108
29 Benzo(k)fluoranthe	148.4	89.12	60.07	37-94

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	148.4	9.530	6.42*	32-97
$ 32 Dibenz(a,h)anthran	148.4	10.13	6.83*	21-105

Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d
Date : 07-AUG-2006 16:13
Client ID: T4-B414-02-A MSD
Sample Info: JQ33DMSD
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0844

Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

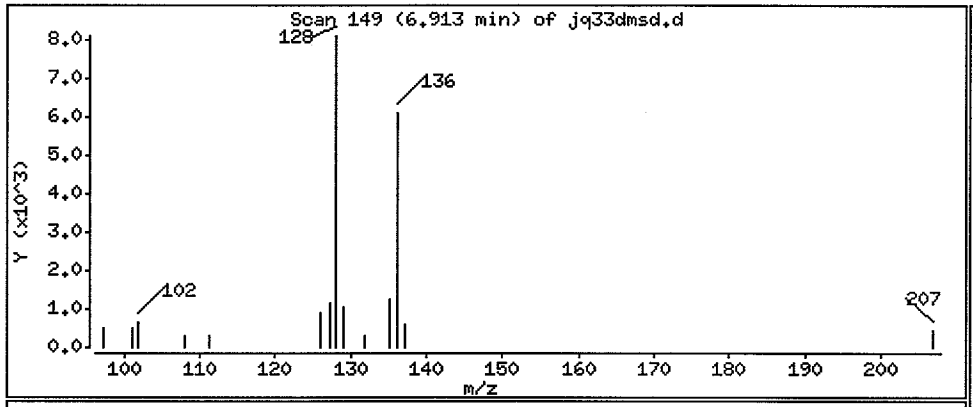
Operator: VTS

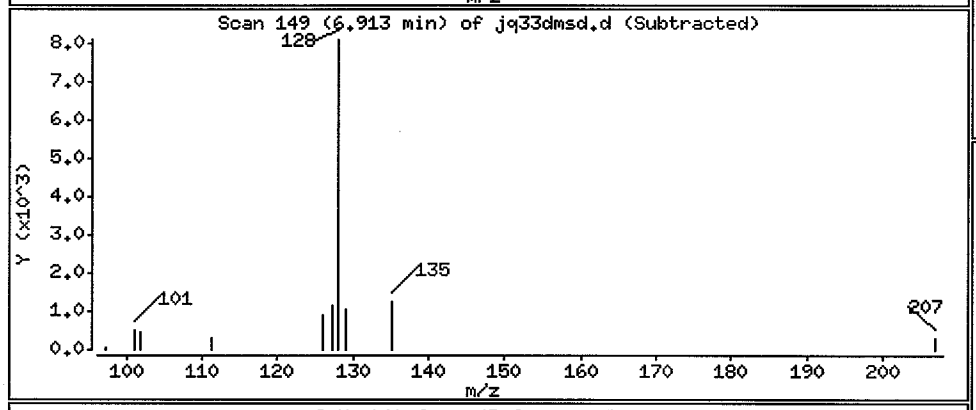
Column phase: ZB-5

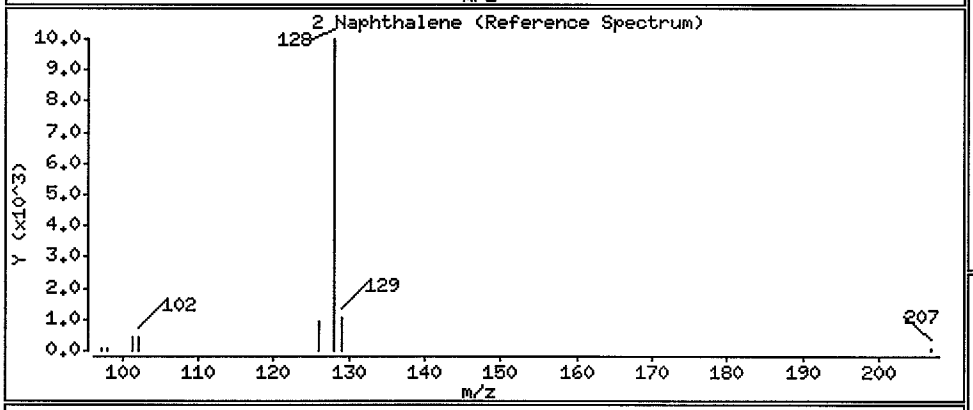
Column diameter: 0.25

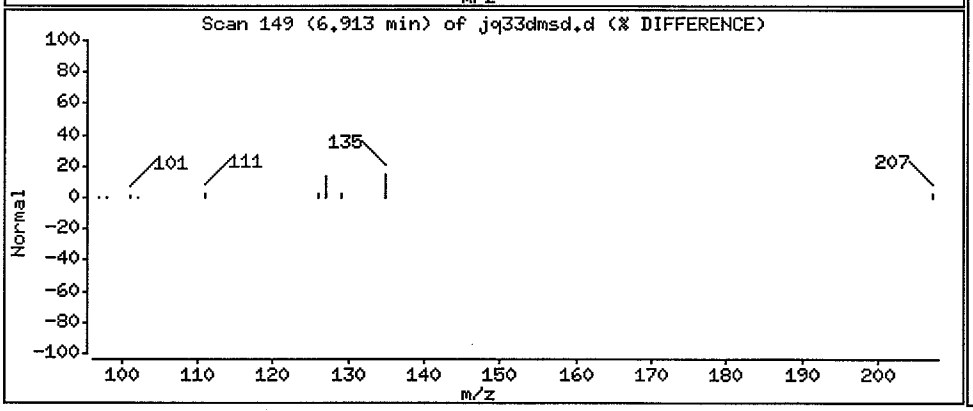
2 Naphthalene

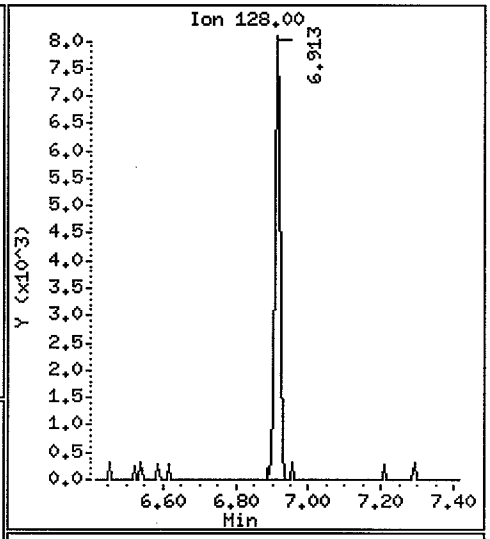
Concentration: 3.503 x10 ug/kg

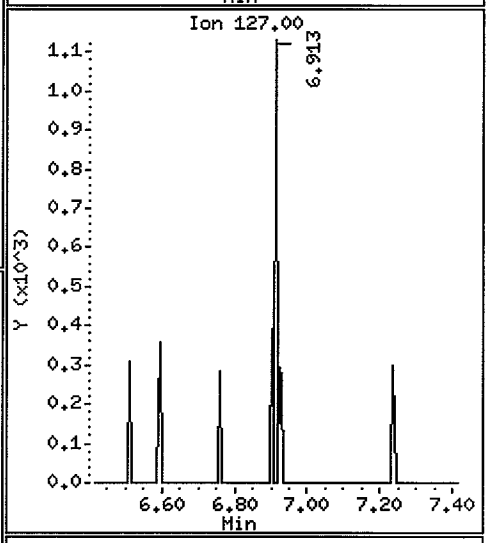


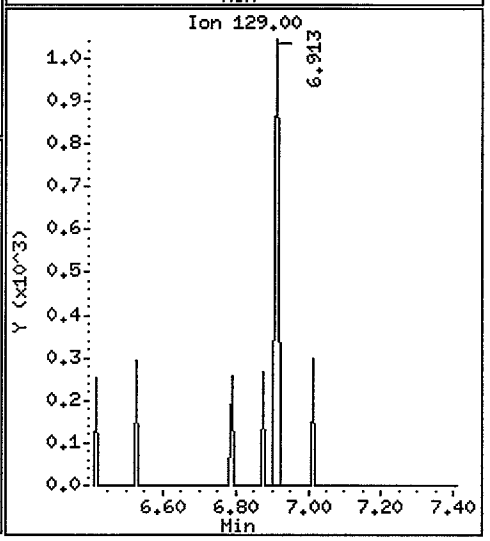












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

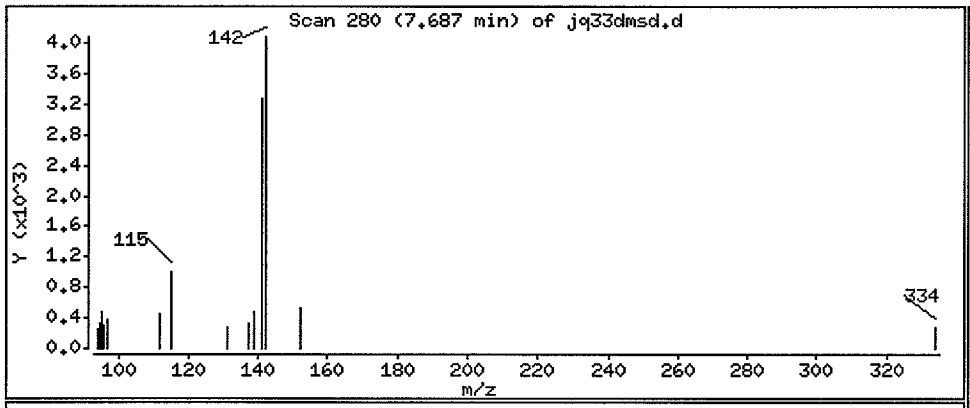
Operator: VTS

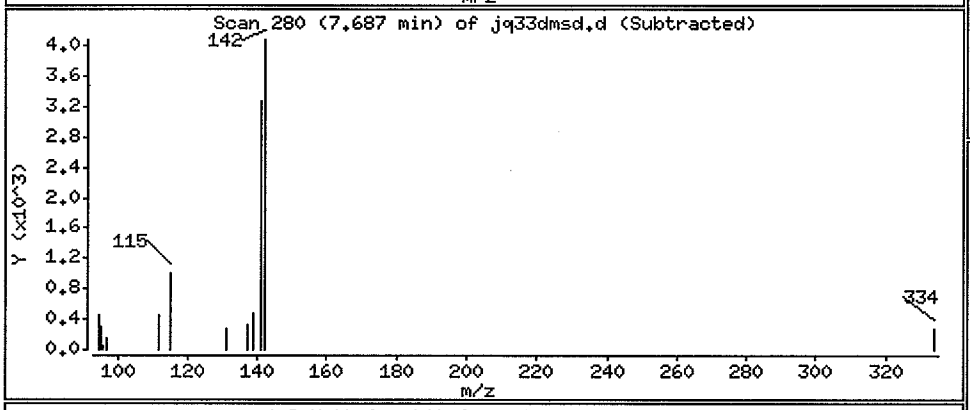
Column phase: ZB-5

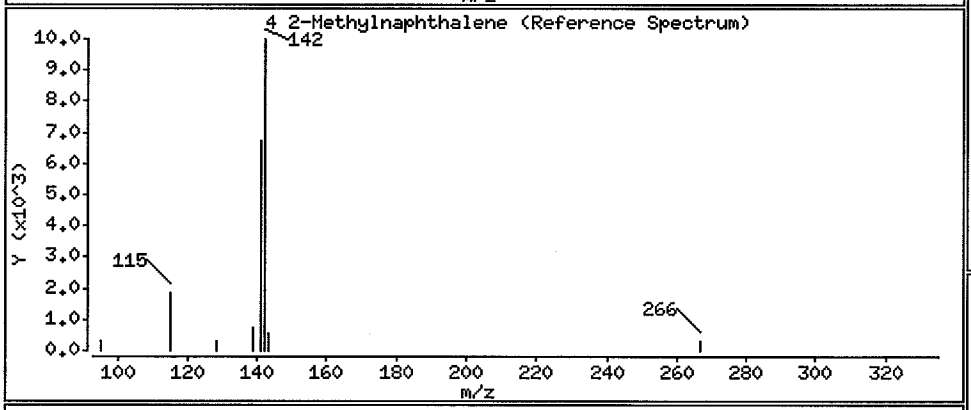
Column diameter: 0.25

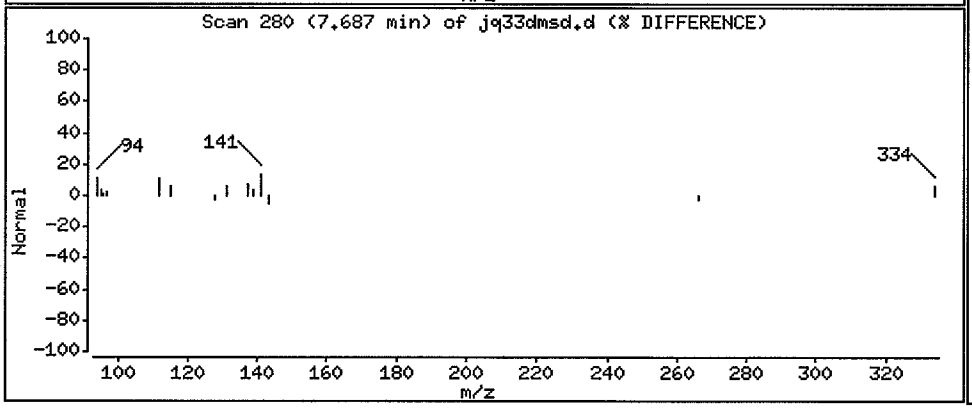
4 2-Methylnaphthalene

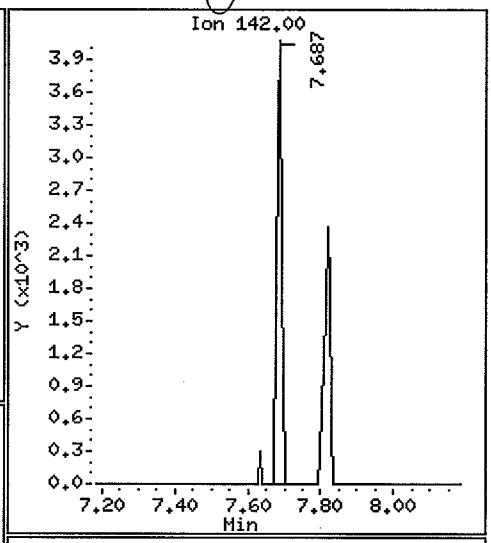
Concentration: 2.894 ug/kg

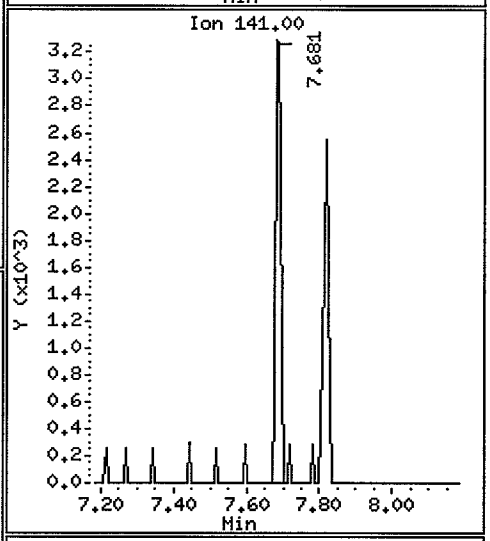


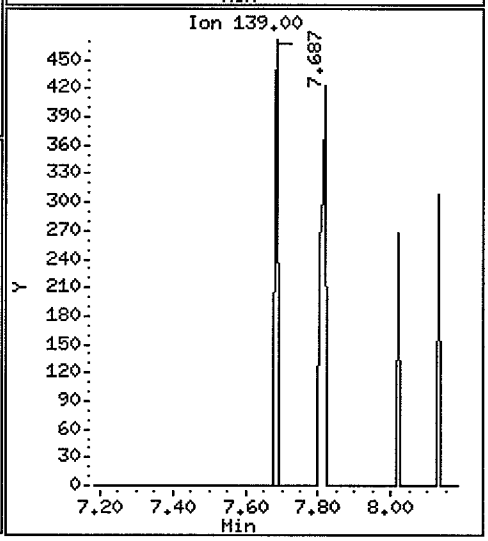












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

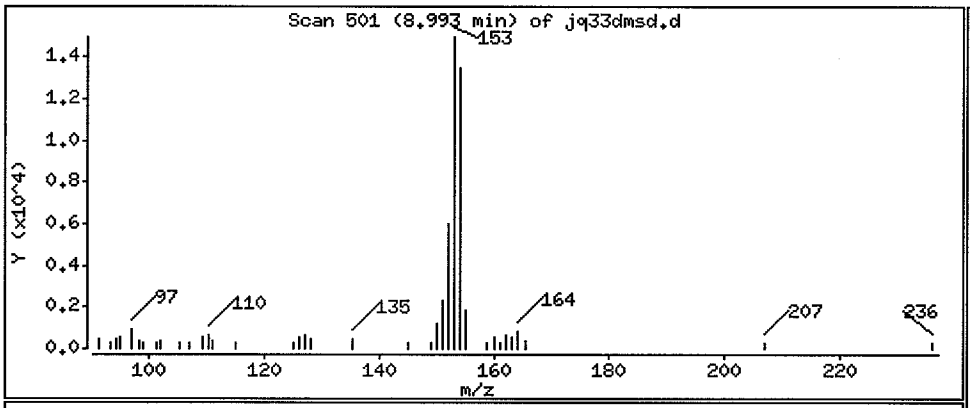
Operator: VTS

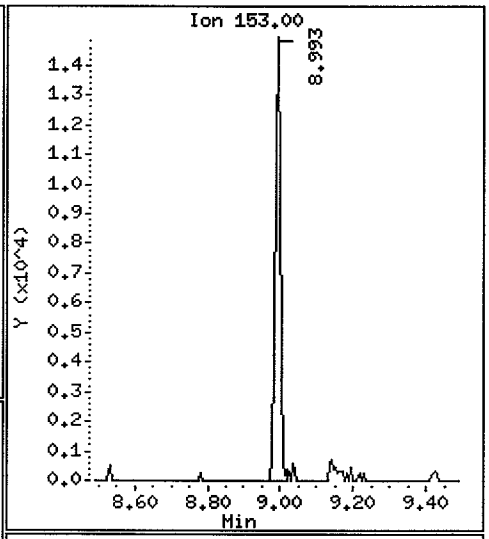
Column phase: ZB-5

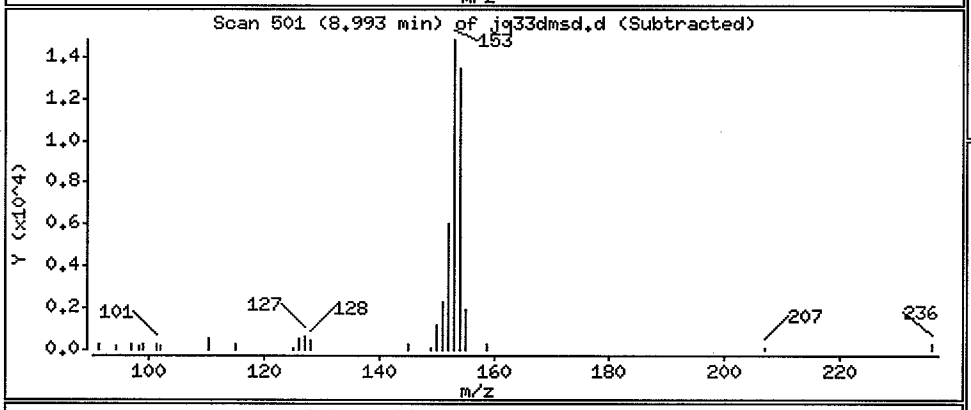
Column diameter: 0.25

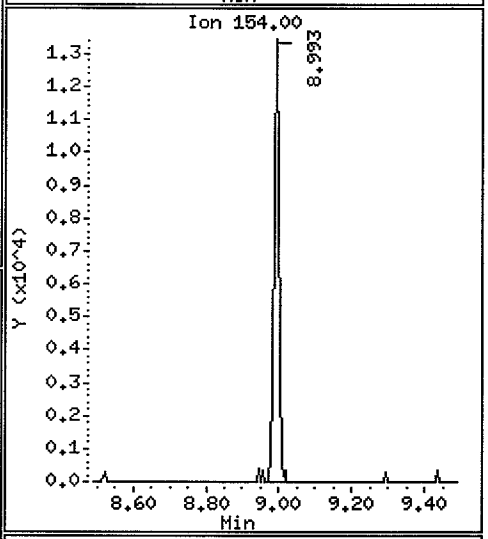
9 Acenaphthene

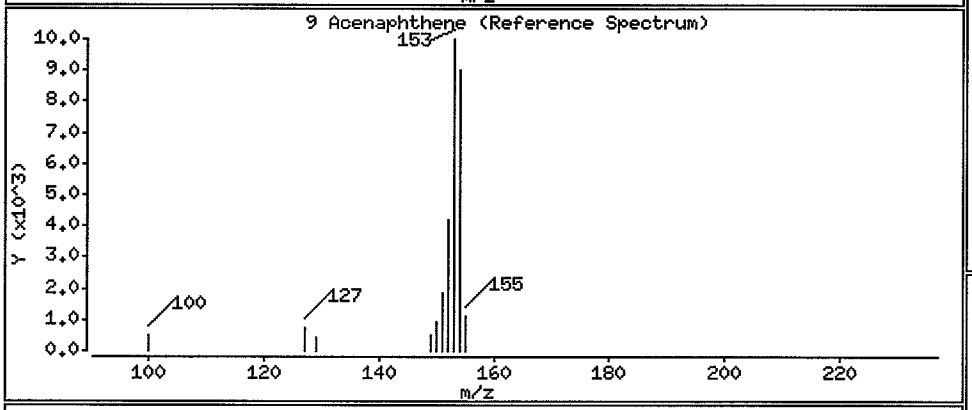
Concentration: 12.06 ug/kg

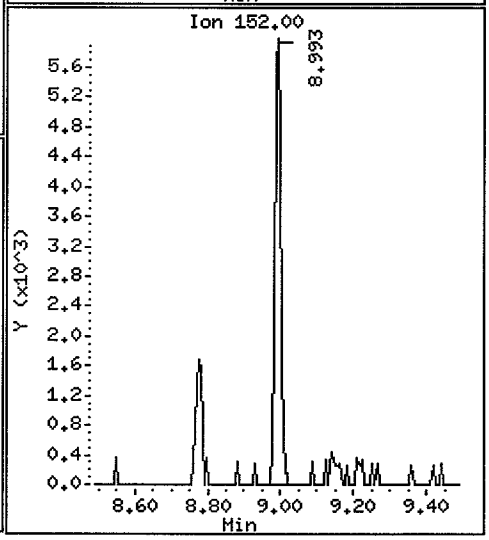


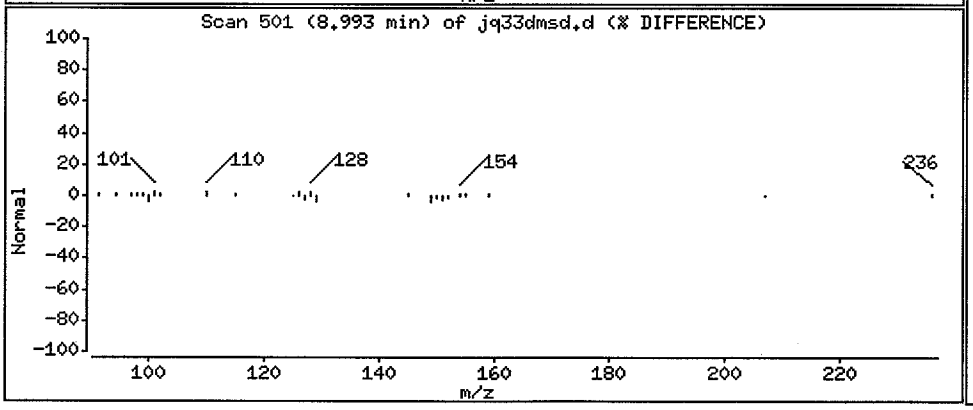












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

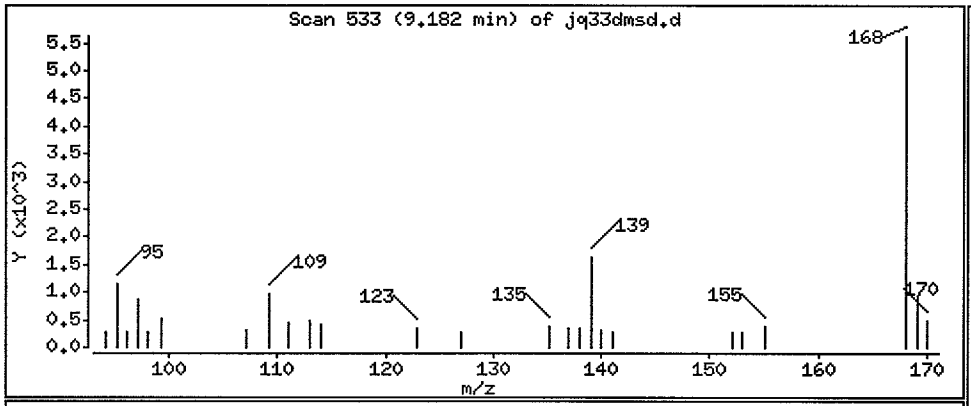
Operator: VTS

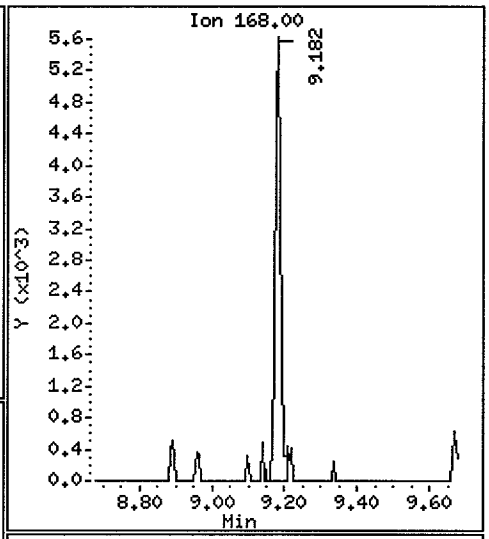
Column phase: ZB-5

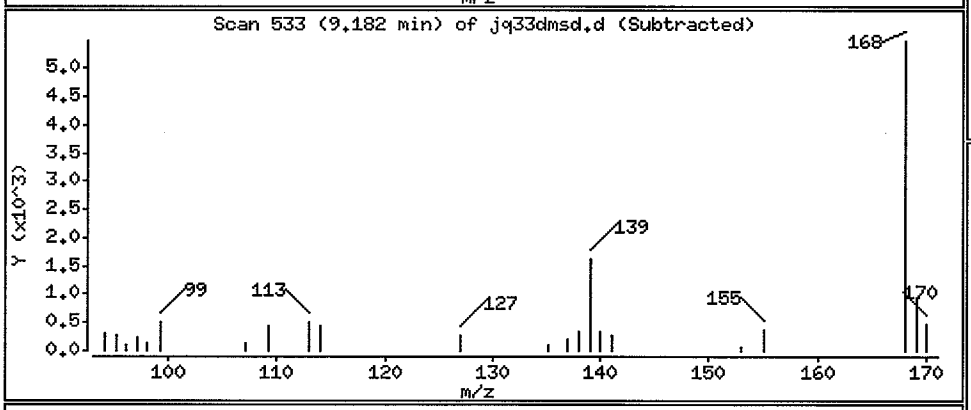
Column diameter: 0.25

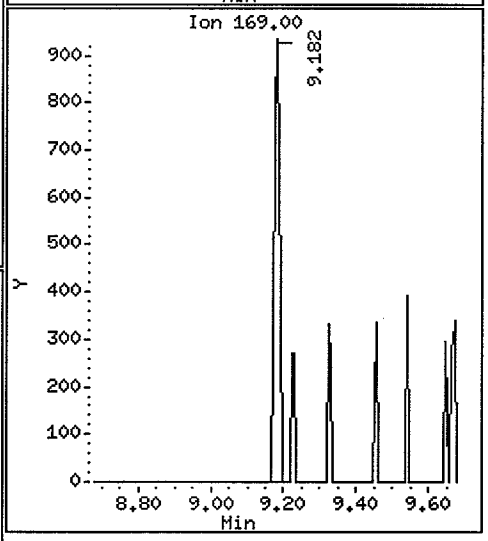
10 Dibenzofuran

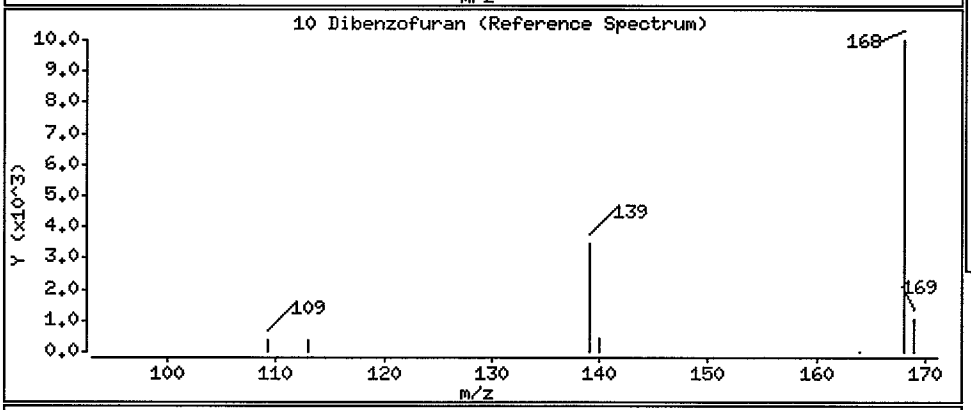
Concentration: 3.275 ug/kg

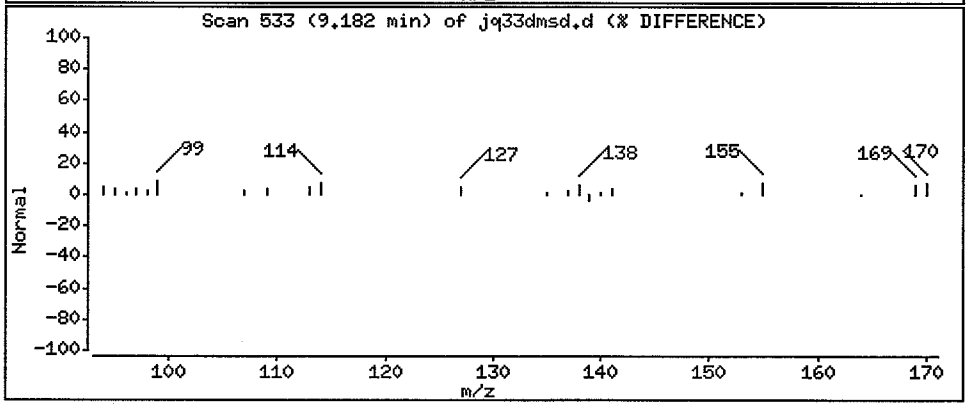












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

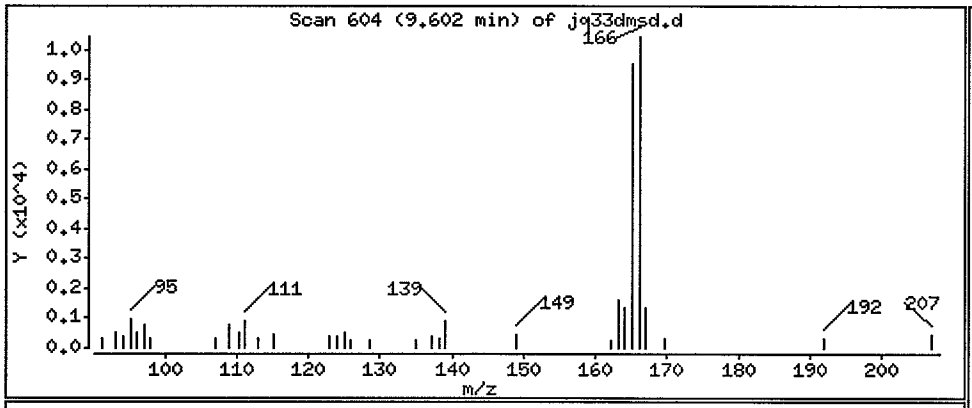
Operator: VTS

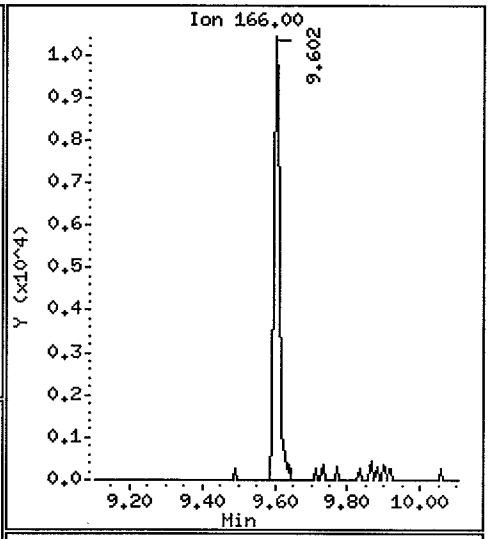
Column phase: ZB-5

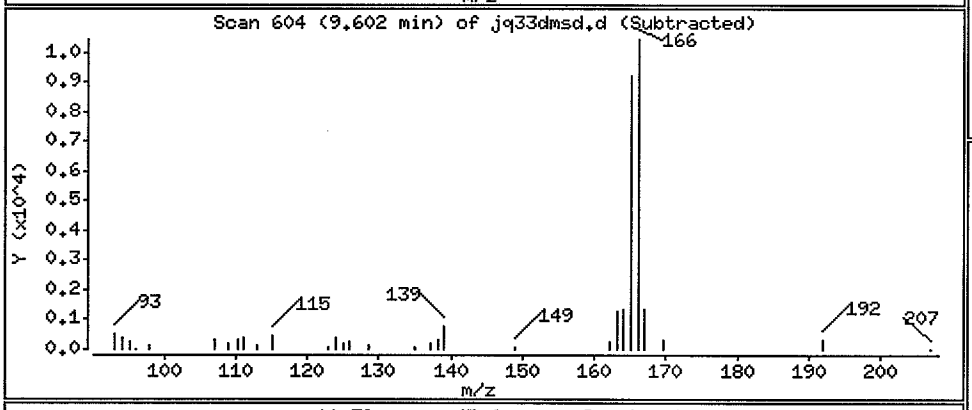
Column diameter: 0.25

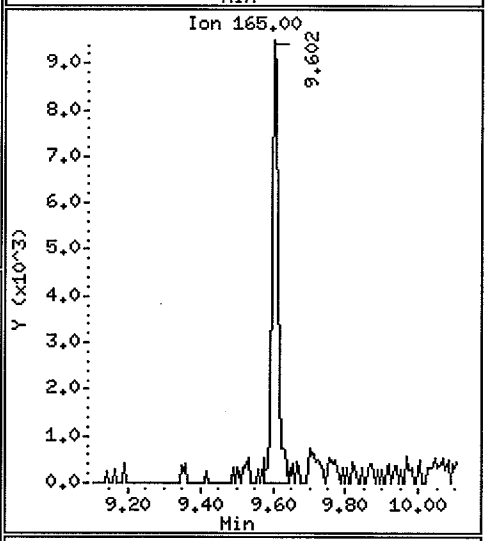
11 Fluorene

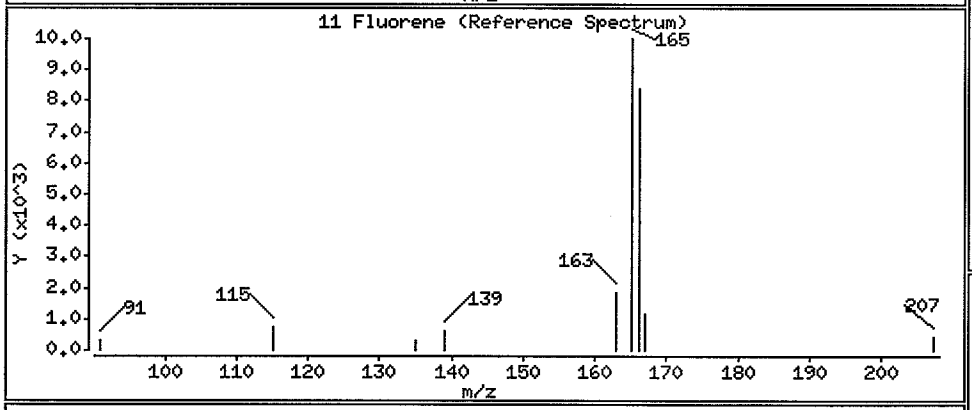
Concentration: 8.027 ug/kg

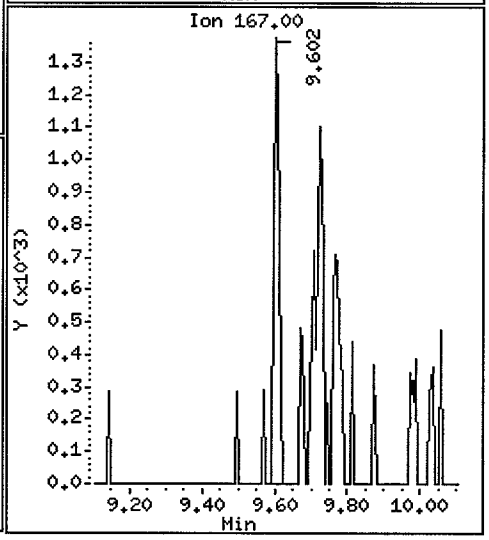


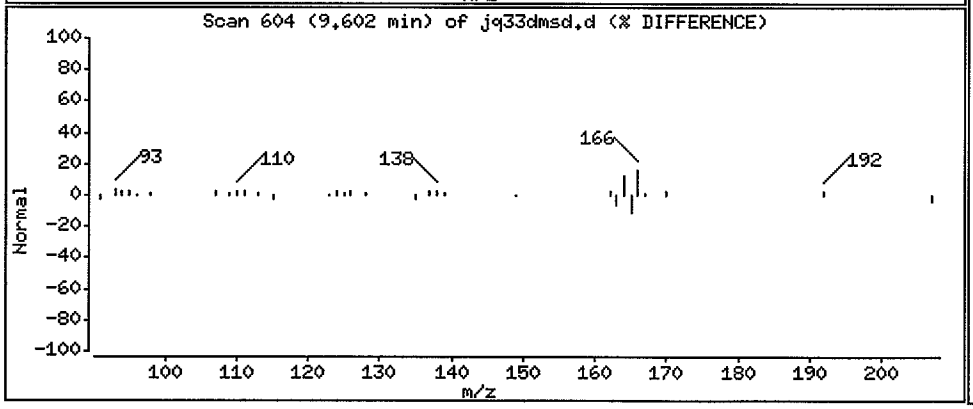












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

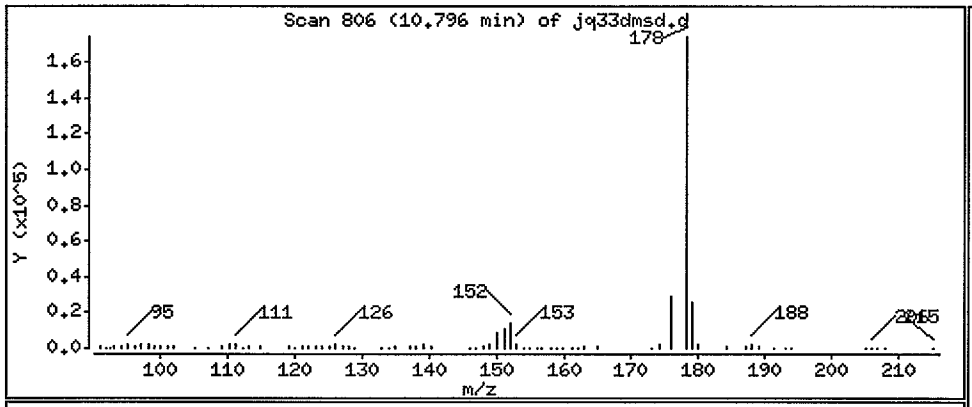
Operator: VTS

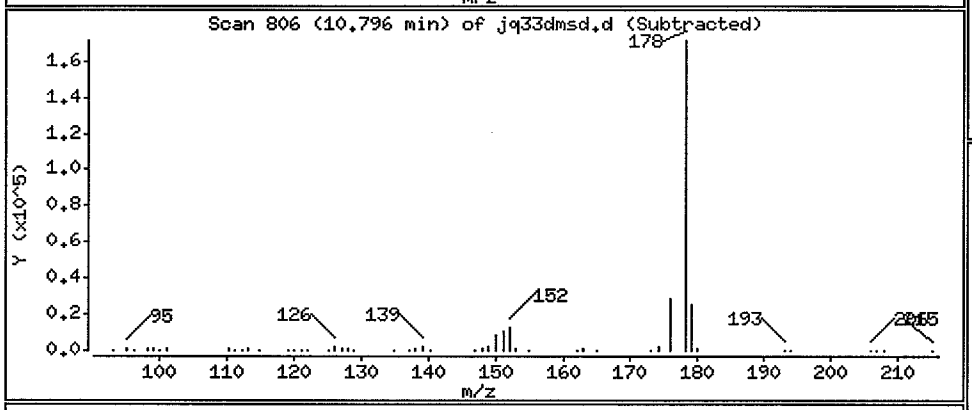
Column phase: ZB-5

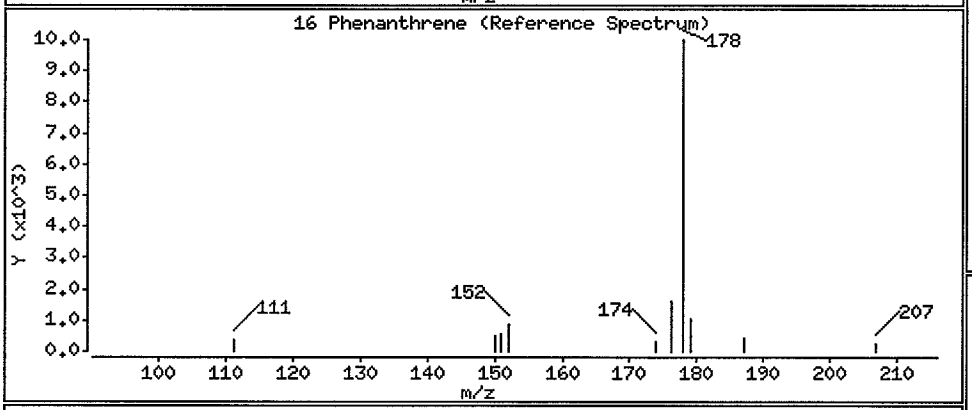
Column diameter: 0.25

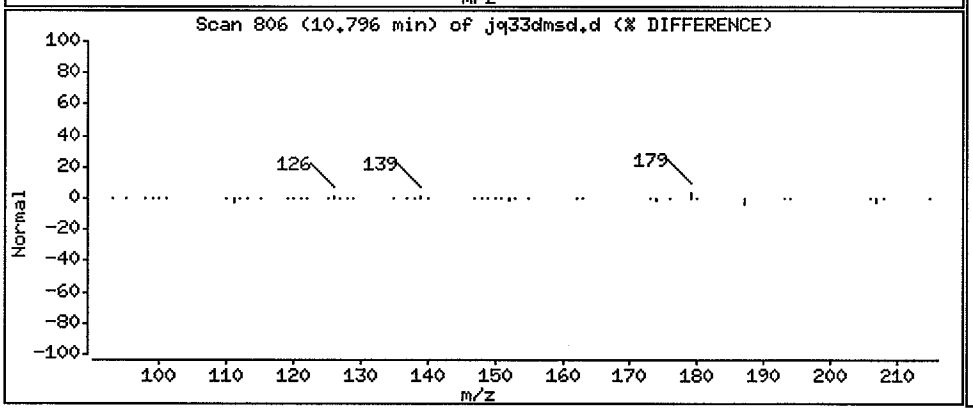
16 Phenanthrene

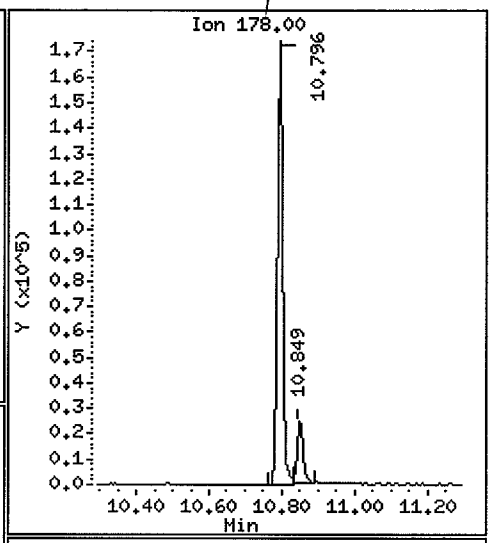
Concentration: 83.94 ug/kg

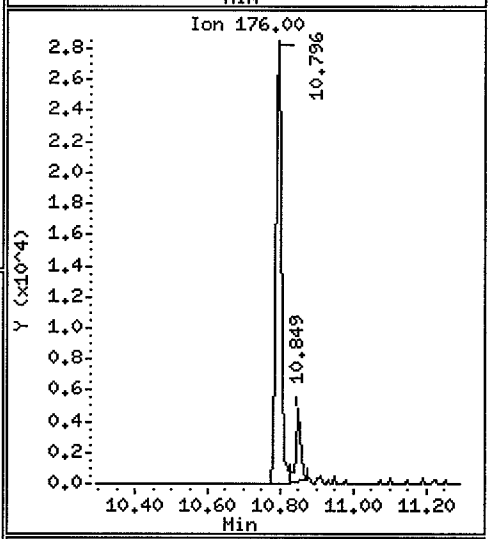


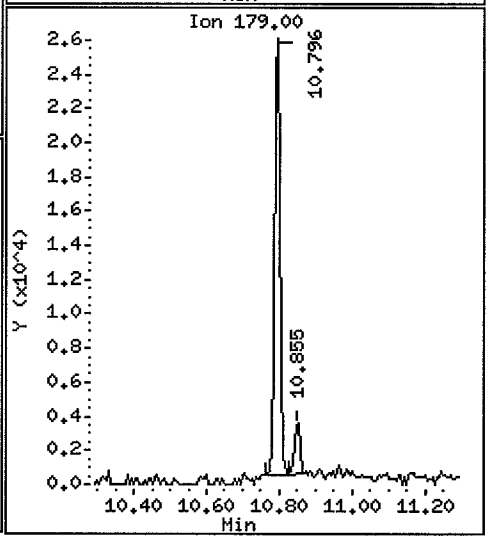












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

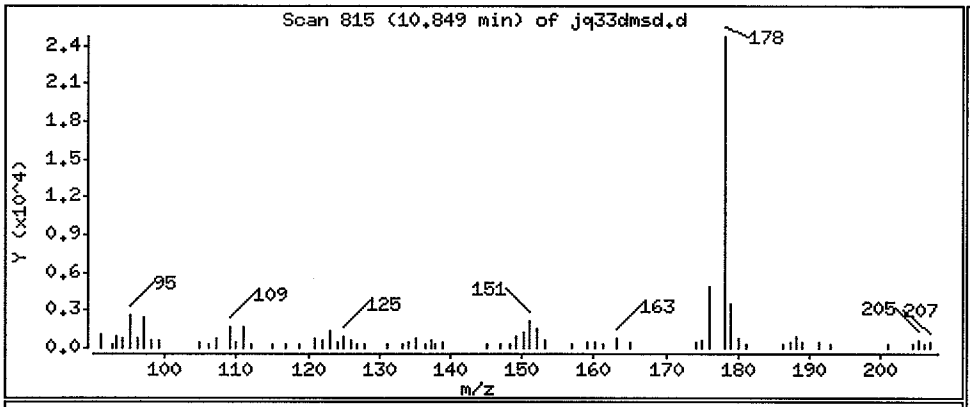
Operator: VTS

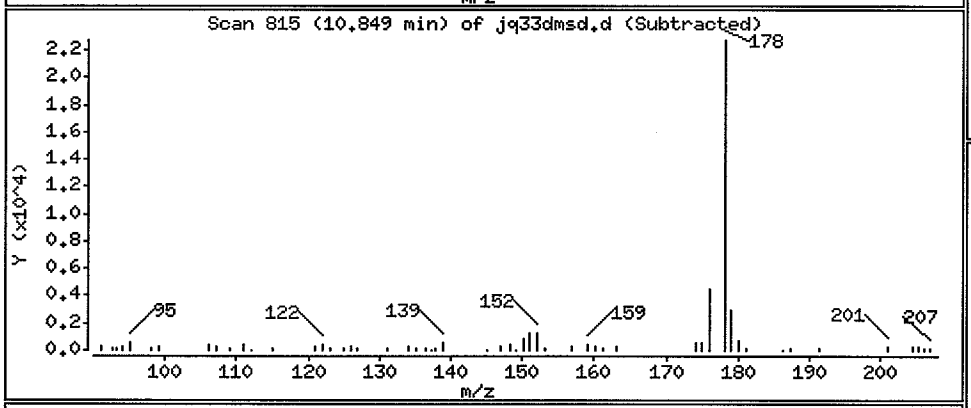
Column phase: ZB-5

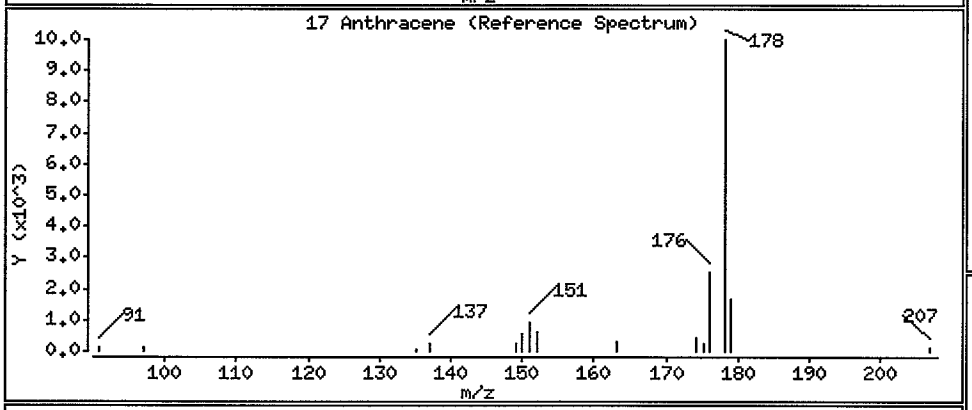
Column diameter: 0.25

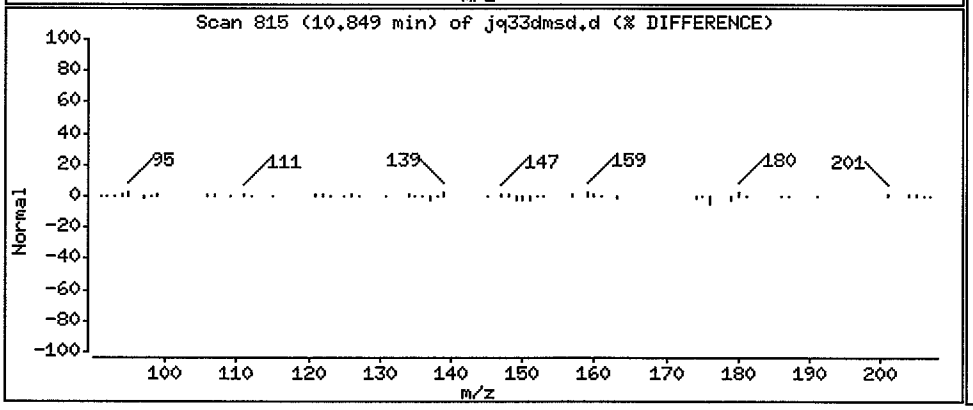
17 Anthracene

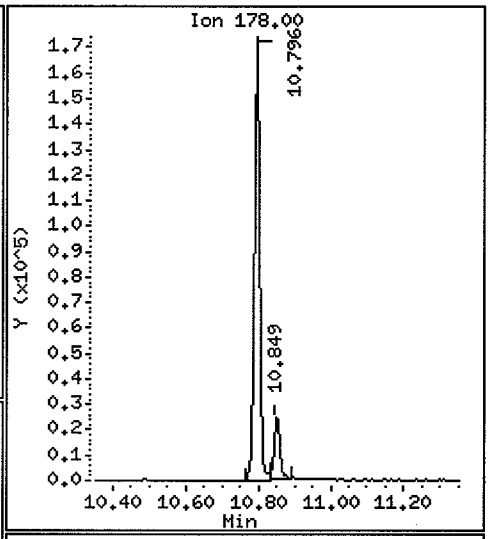
Concentration: 13.55 ug/kg

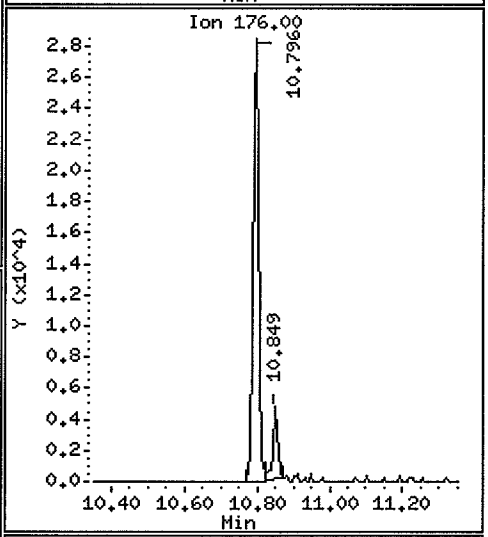


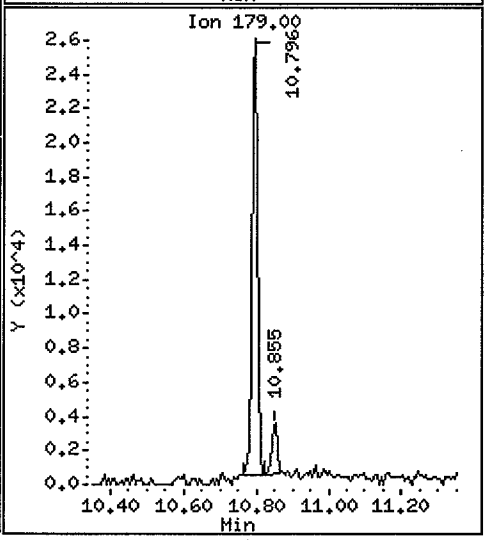












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

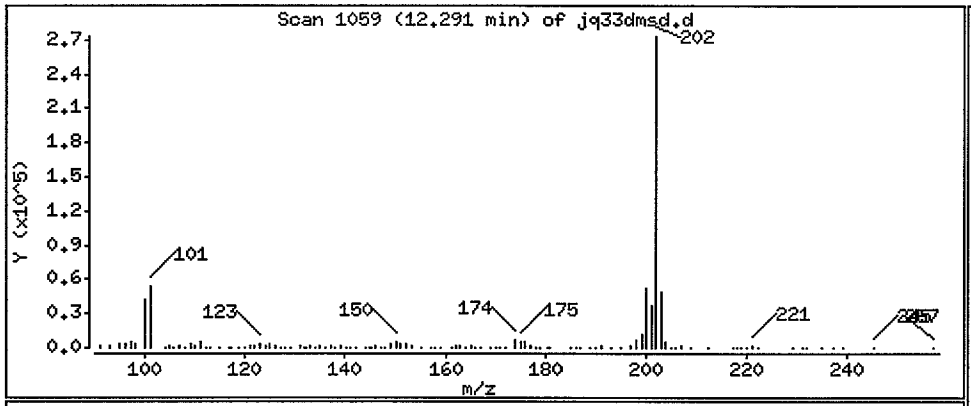
Operator: VTS

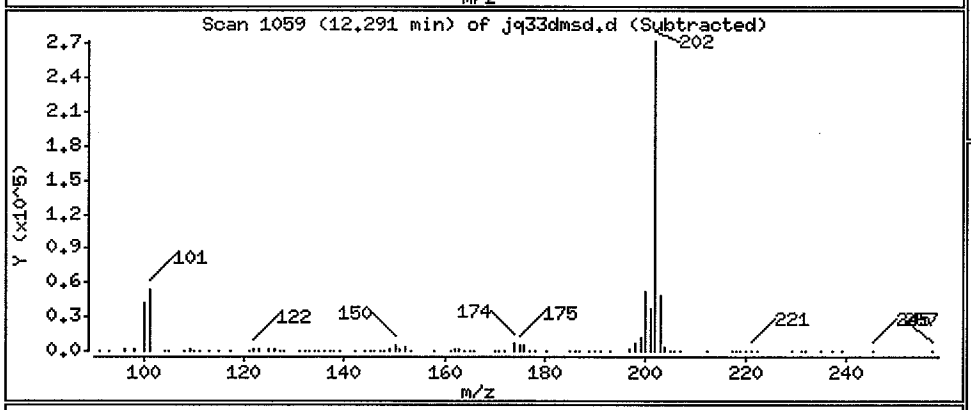
Column phase: ZB-5

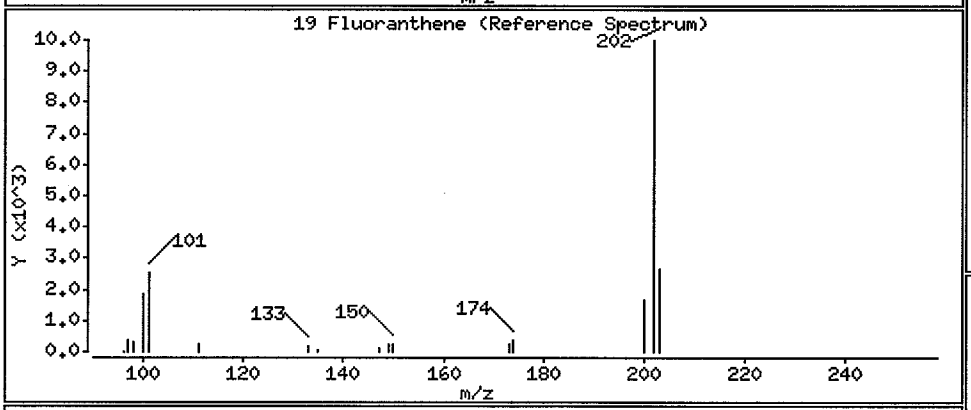
Column diameter: 0.25

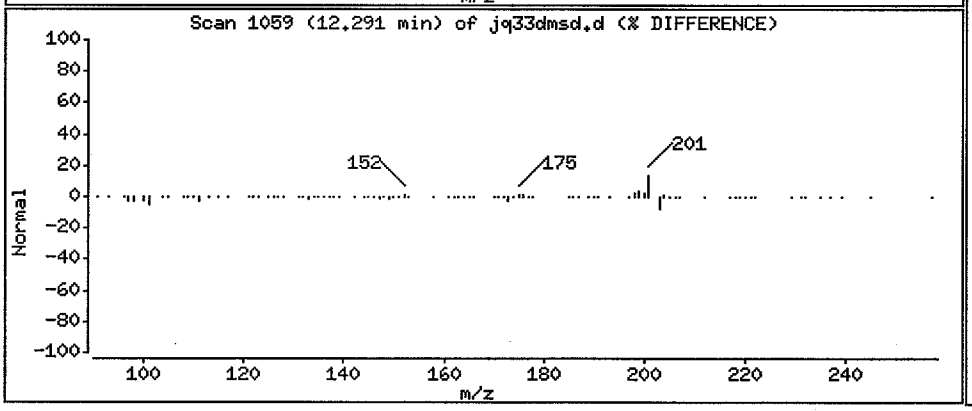
19 Fluoranthene

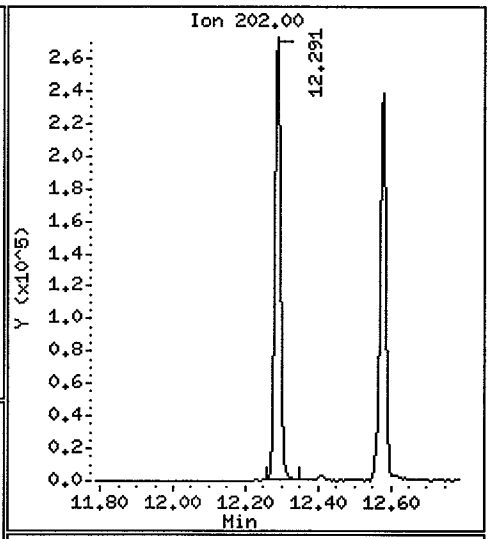
Concentration: 142.1 ug/kg

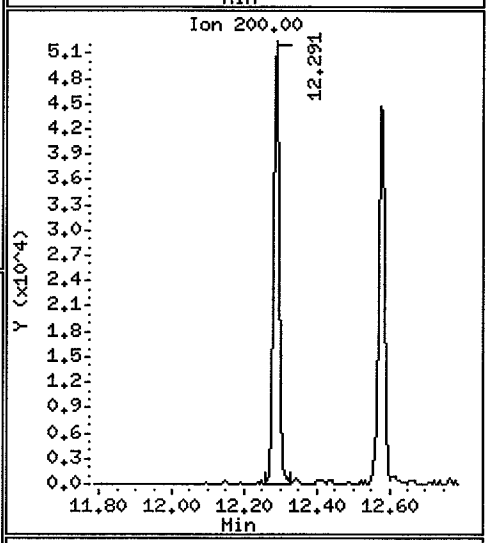


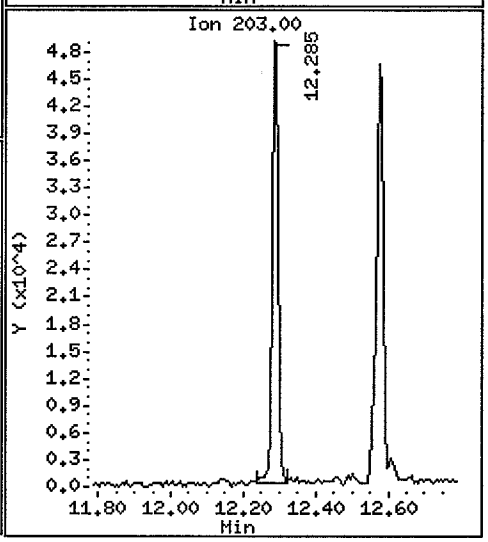












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

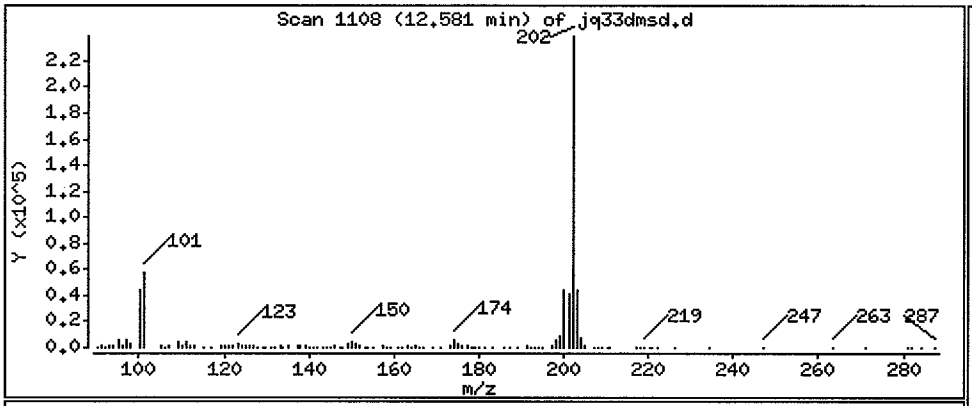
Operator: VTS

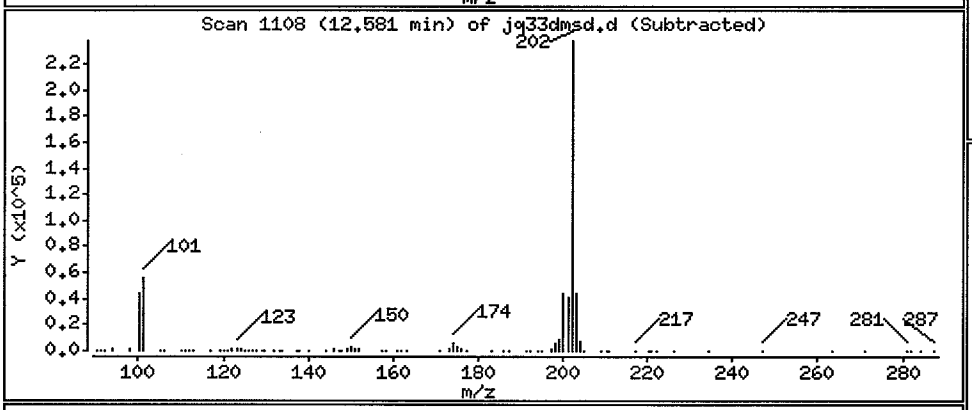
Column phase: ZB-5

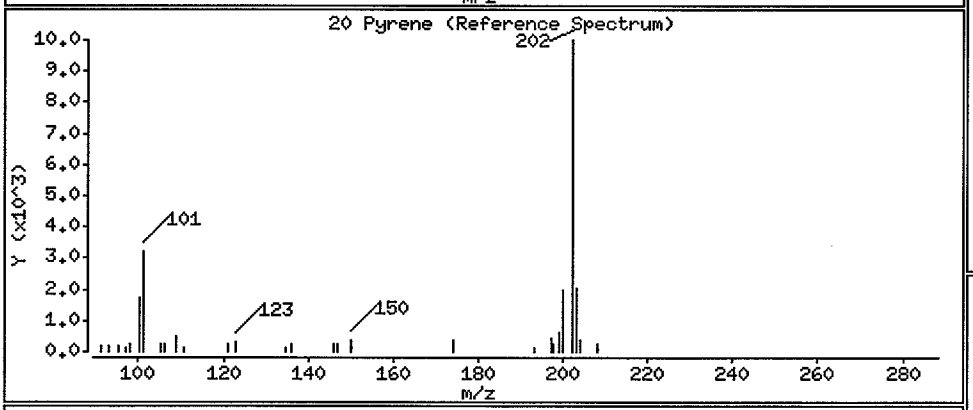
Column diameter: 0.25

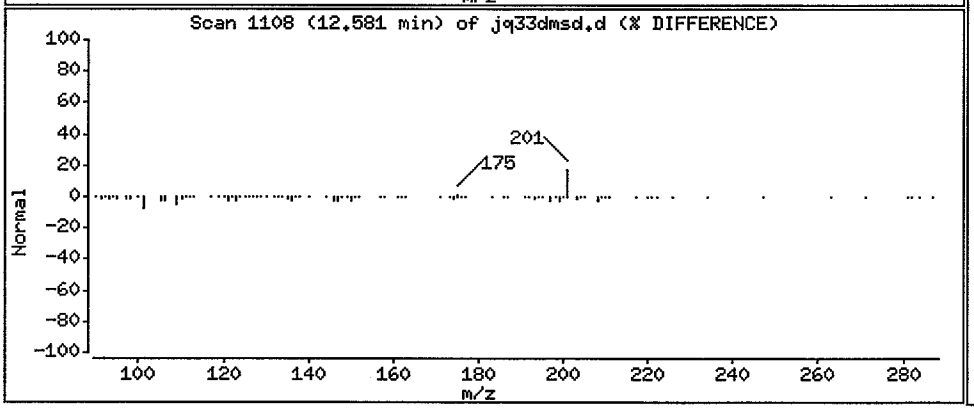
20 Pyrene

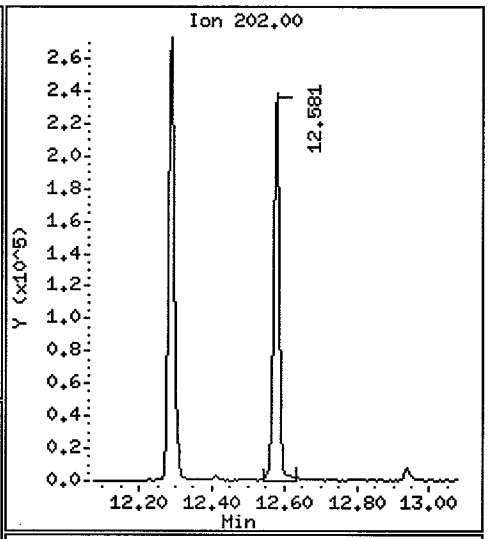
Concentration: 109.7 ug/kg

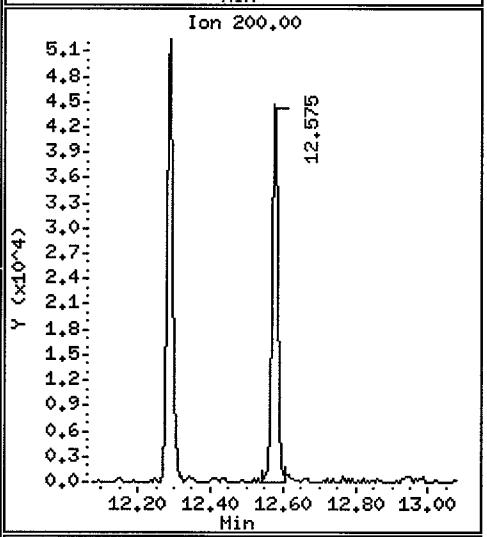


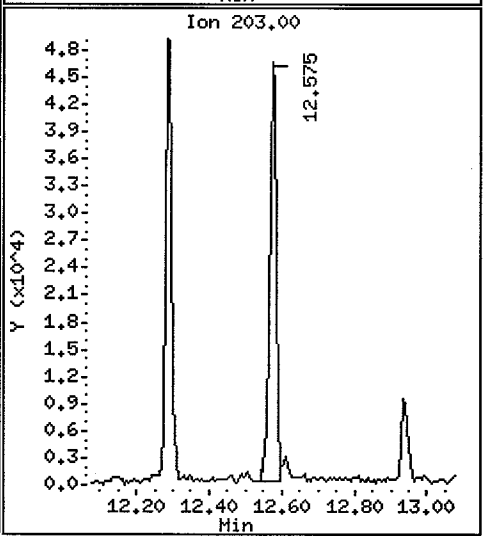












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

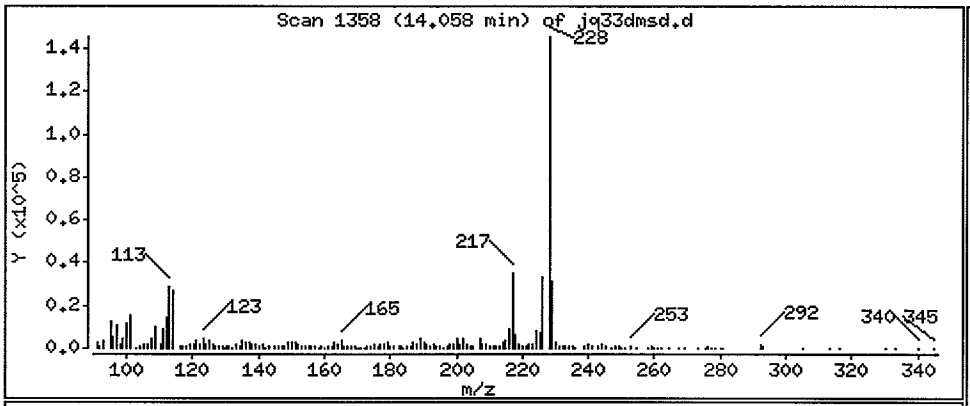
Operator: VTS

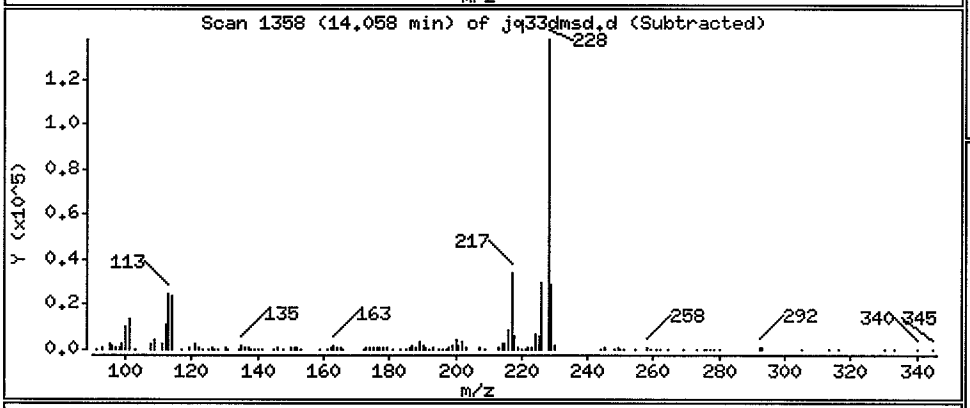
Column phase: ZB-5

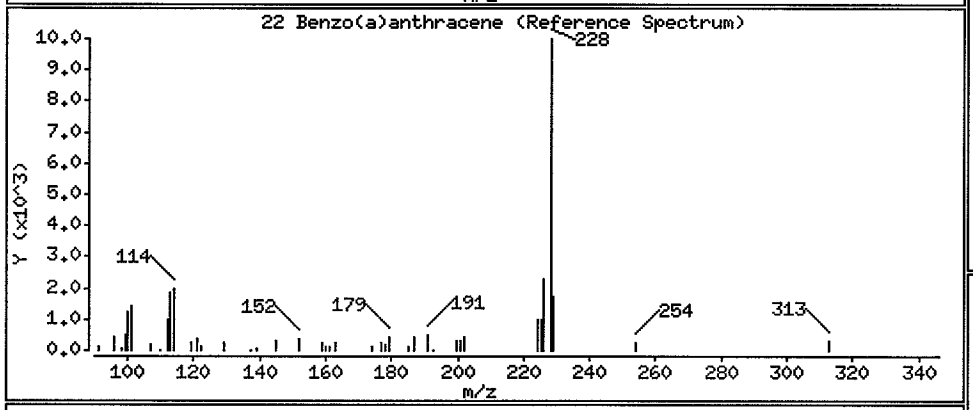
Column diameter: 0.25

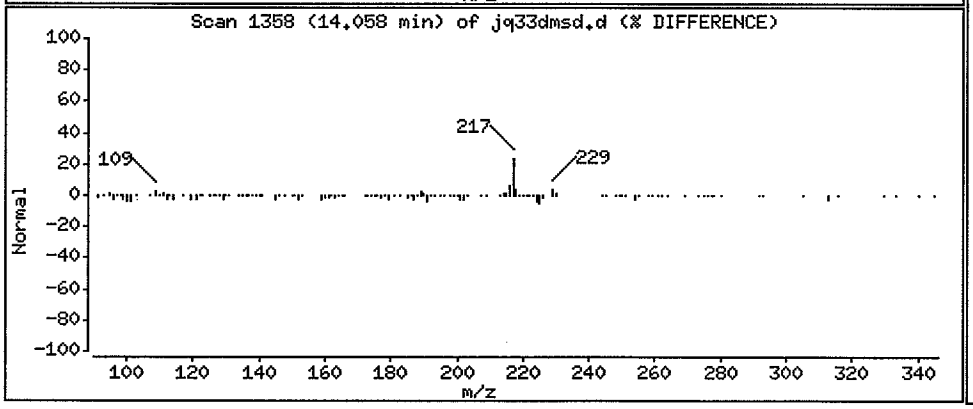
22 Benzo(a)anthracene

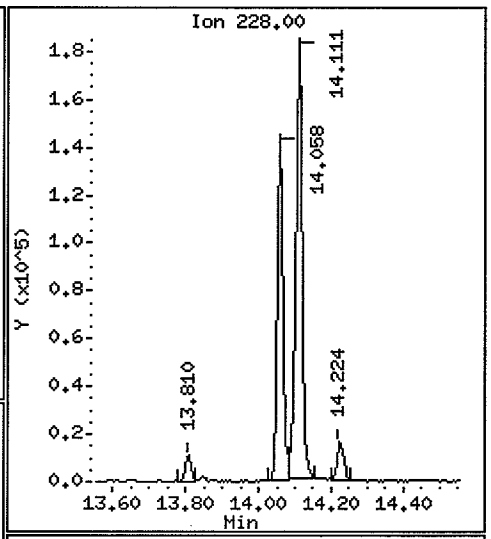
Concentration: 69.64 ug/kg

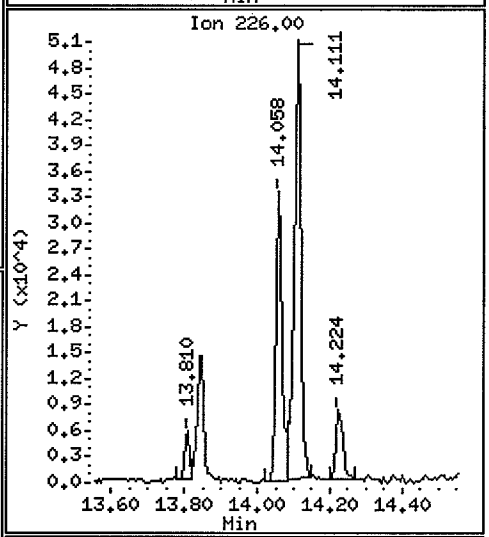


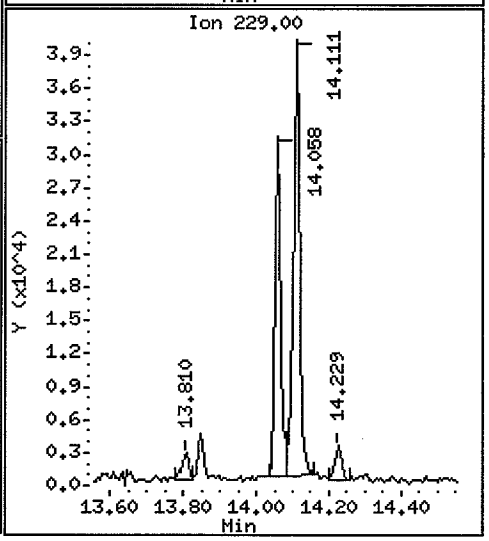












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

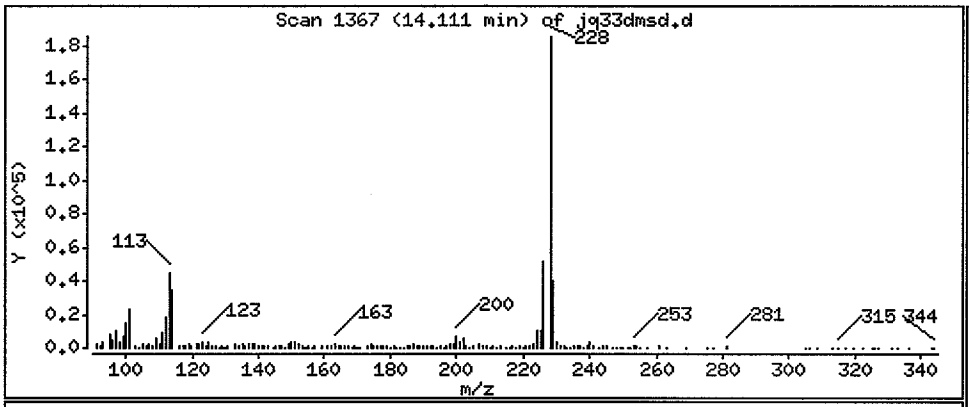
Operator: VTS

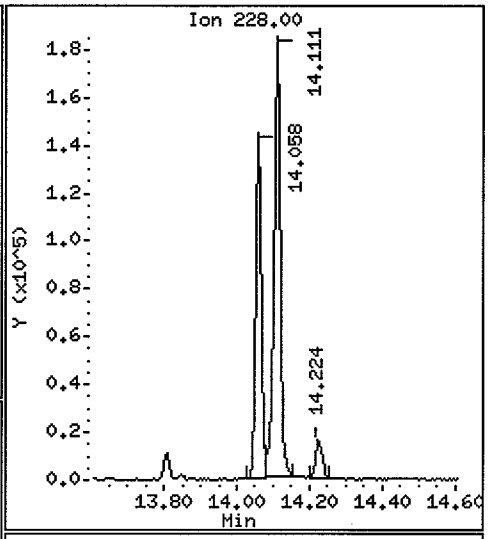
Column phase: ZB-5

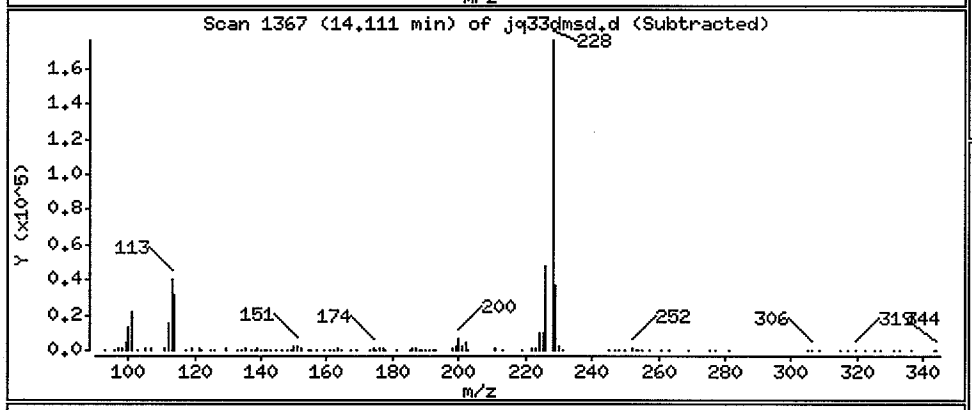
Column diameter: 0.25

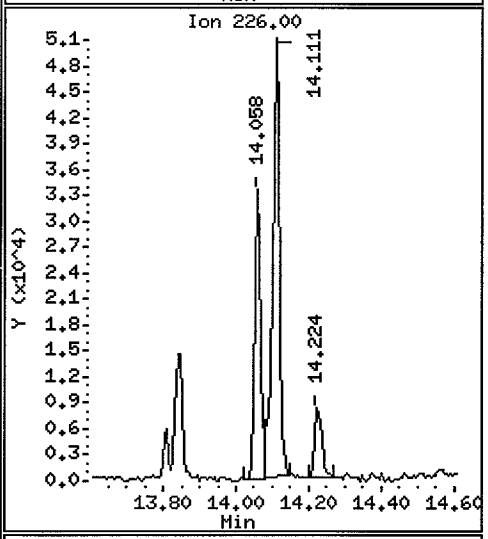
24 Chrysene

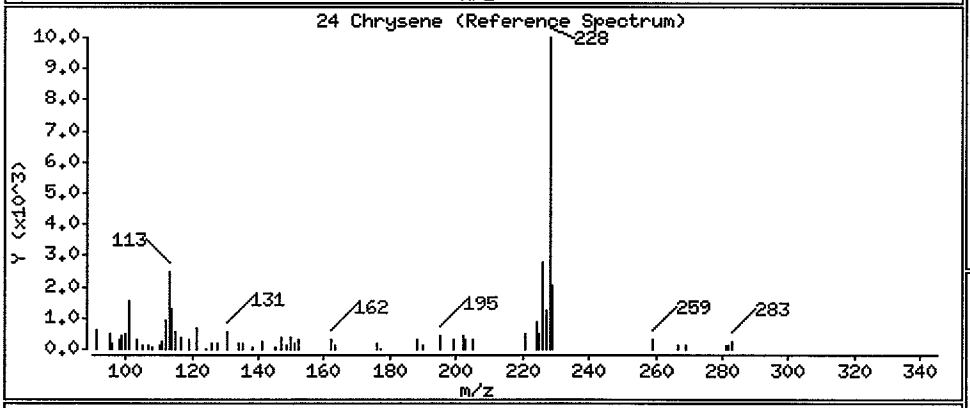
Concentration: 106.2 ug/kg

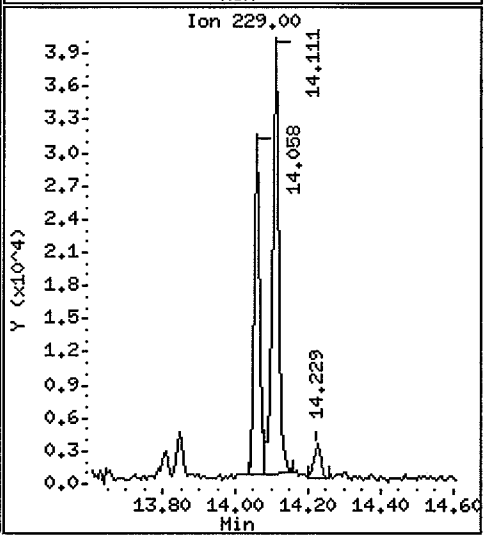


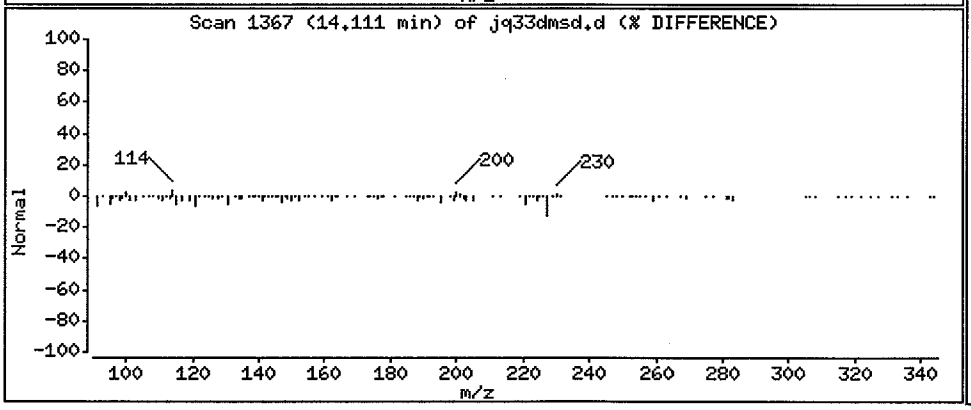












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

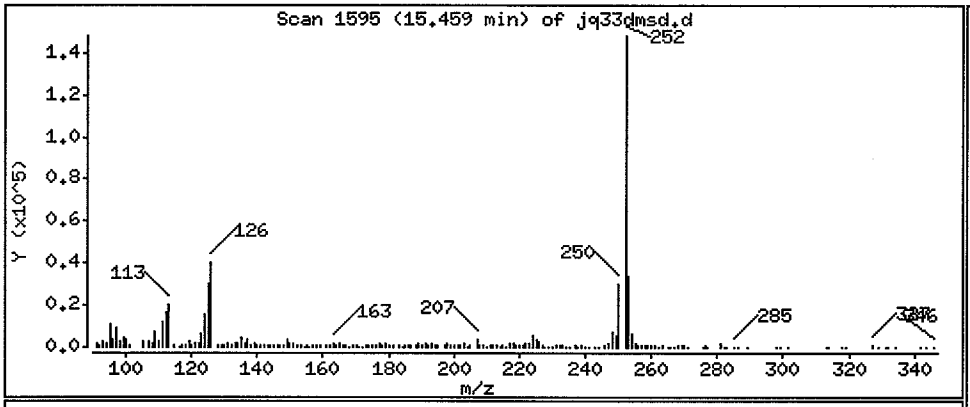
Operator: VTS

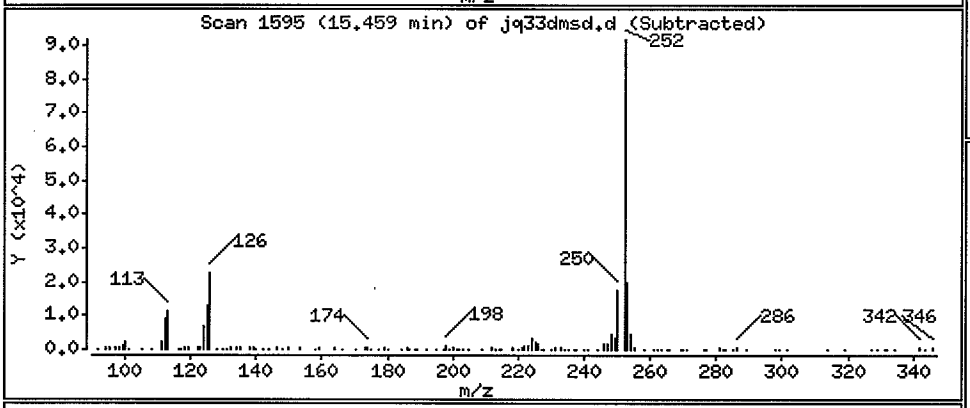
Column phase: ZB-5

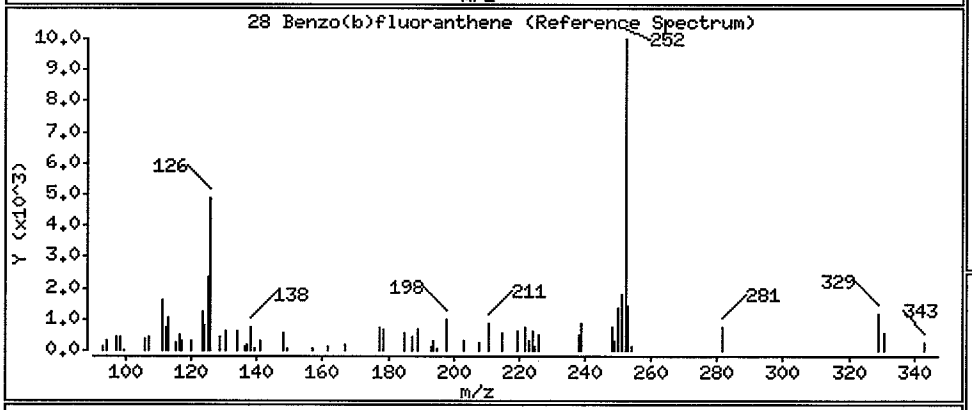
Column diameter: 0.25

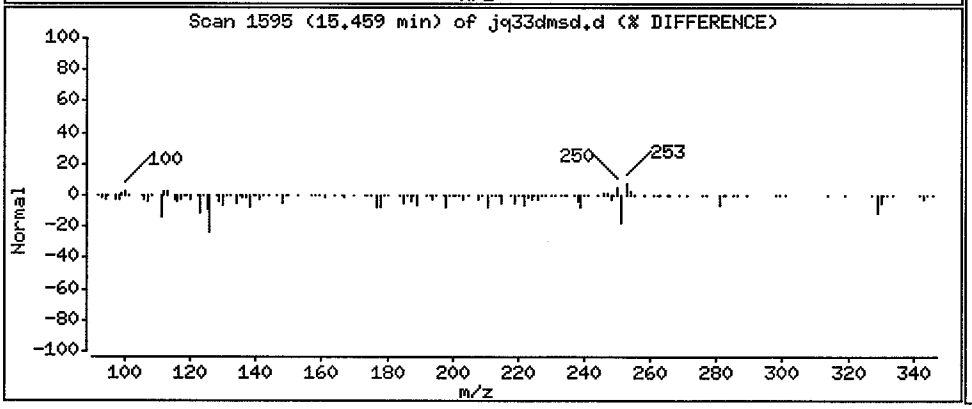
28 Benzo(b)fluoranthene

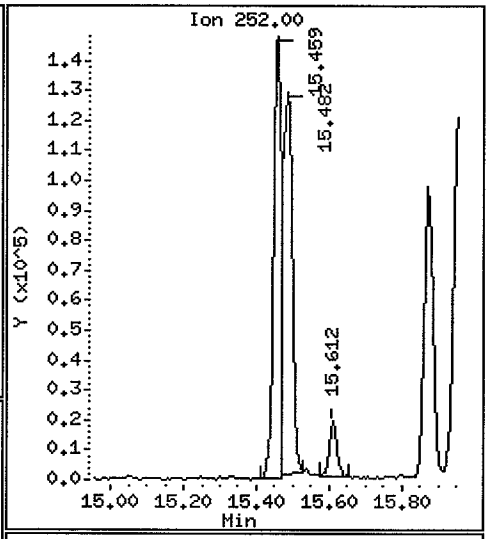
Concentration: 100.8 ug/kg

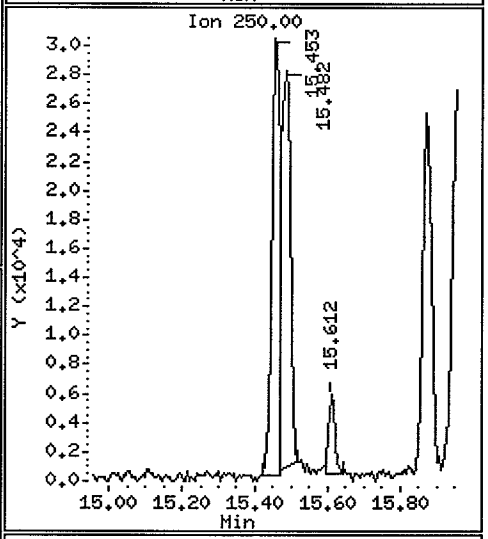


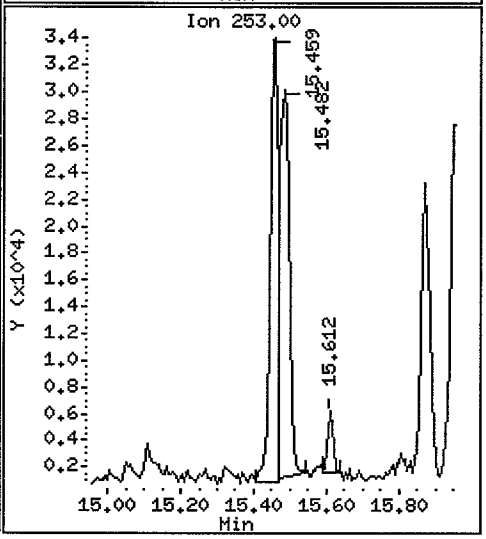












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

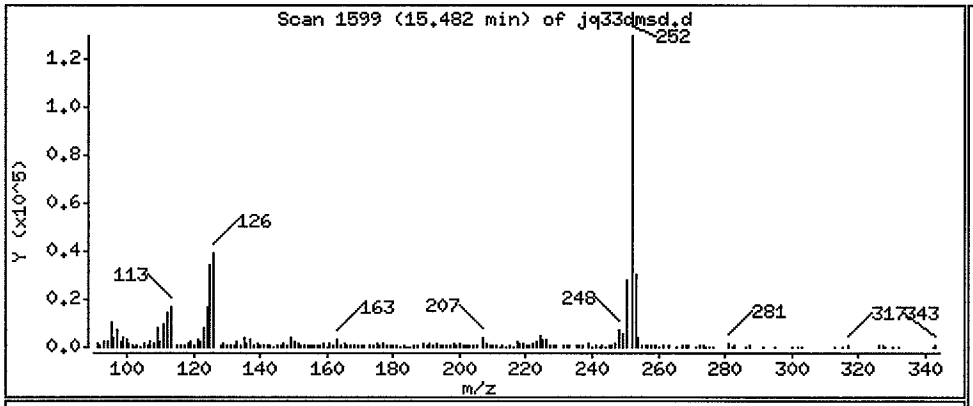
Operator: VTS

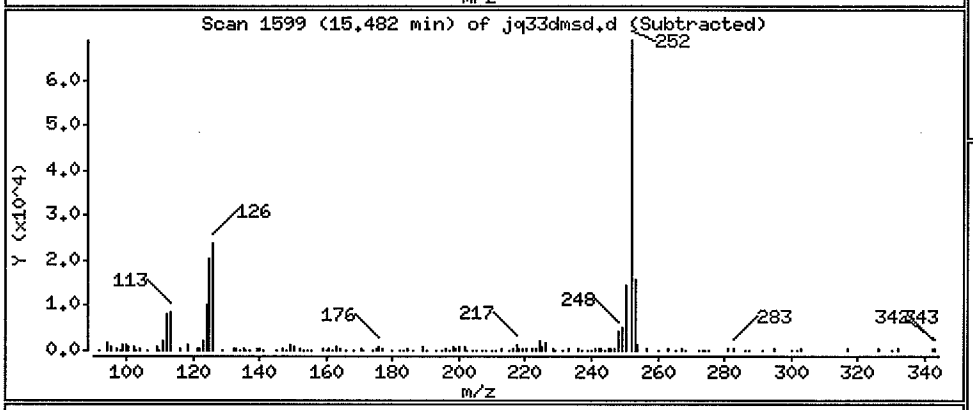
Column phase: ZB-5

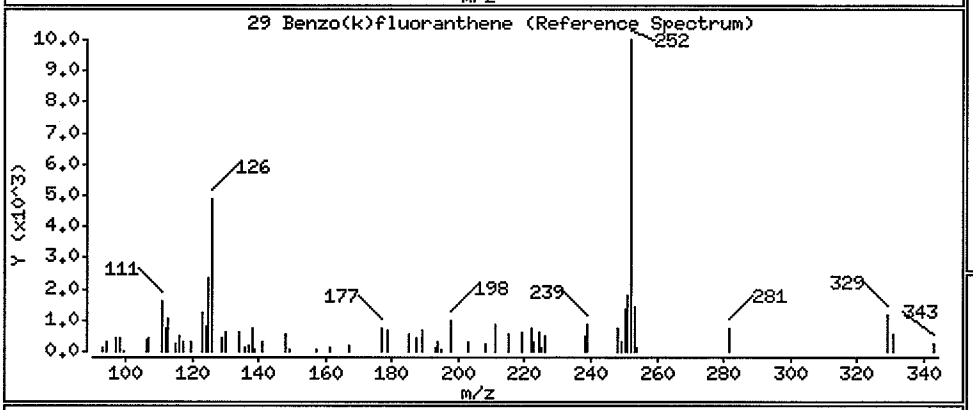
Column diameter: 0.25

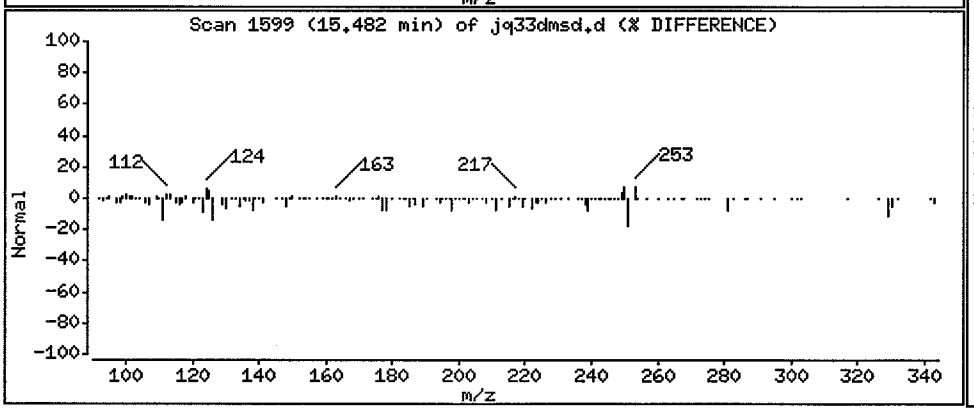
29 Benzo(k)fluoranthene

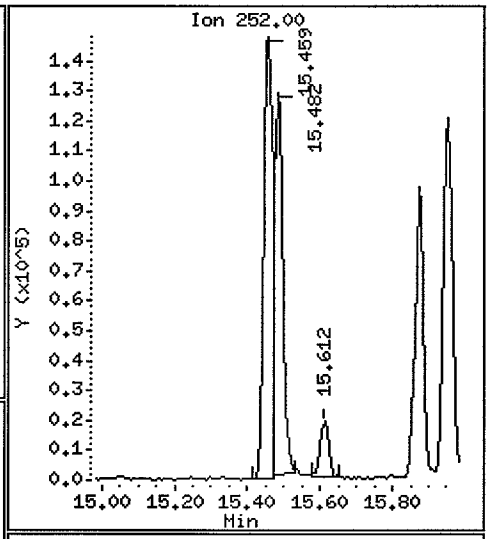
Concentration: 89.12 ug/kg

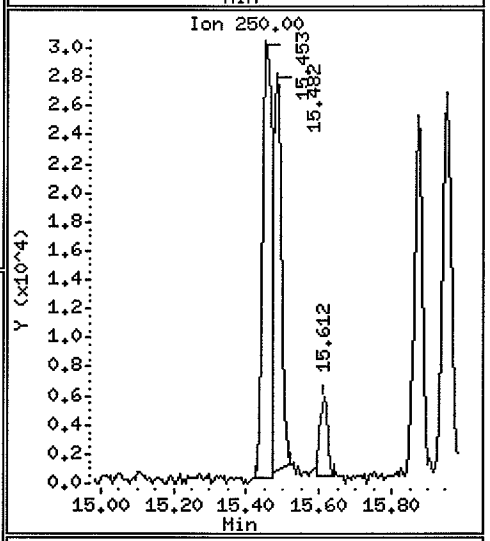


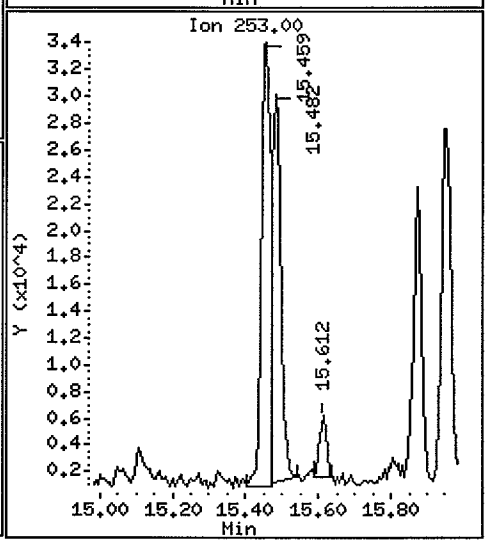












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

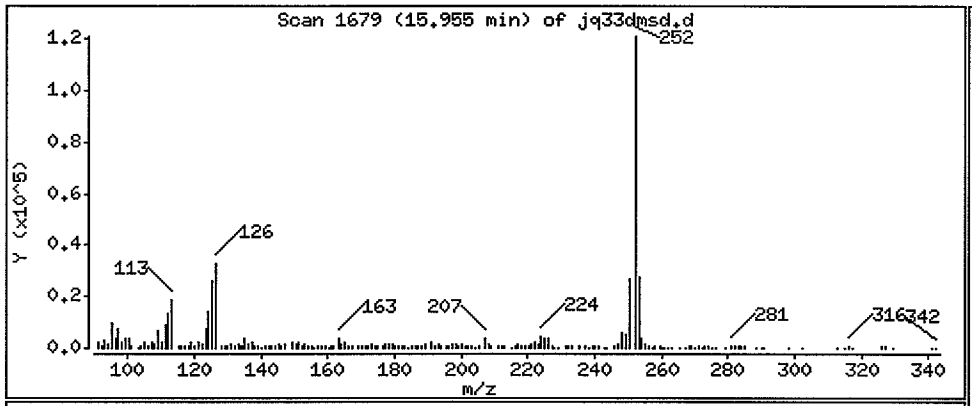
Operator: VTS

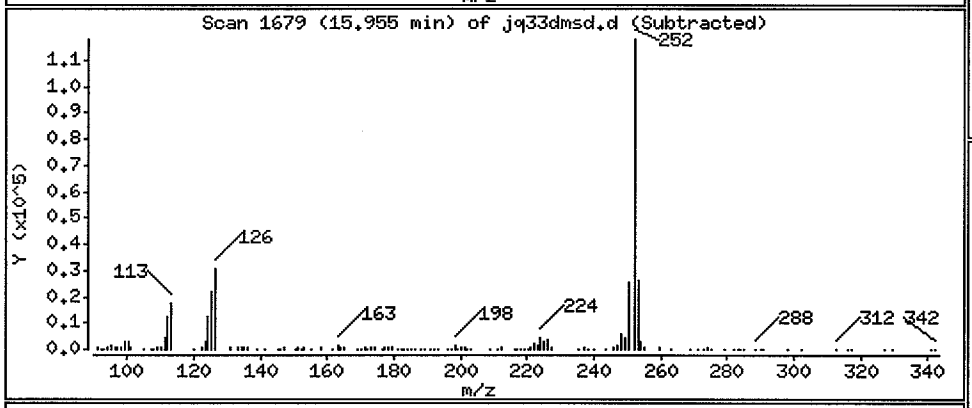
Column phase: ZB-5

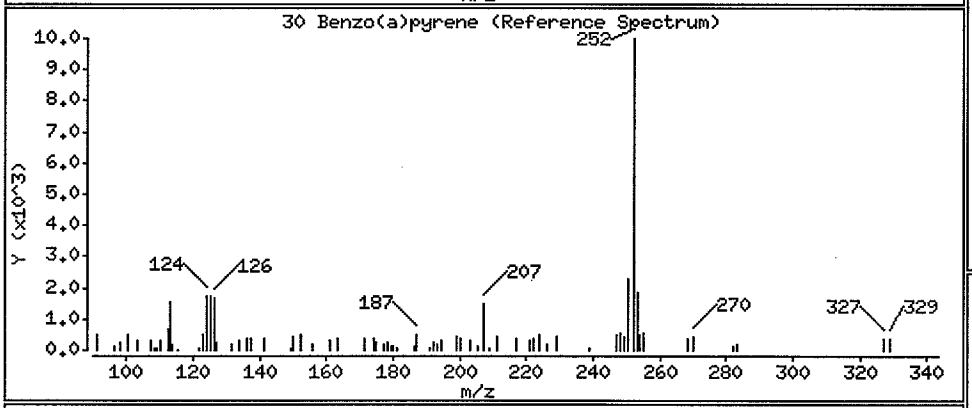
Column diameter: 0.25

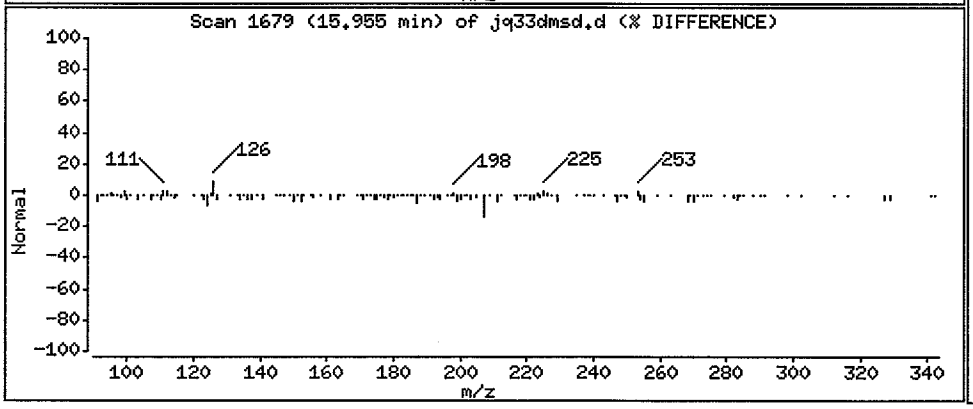
30 Benzo(a)pyrene

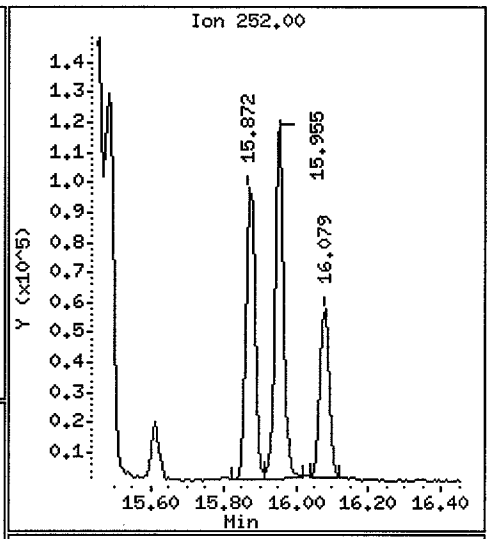
Concentration: 87.19 ug/kg

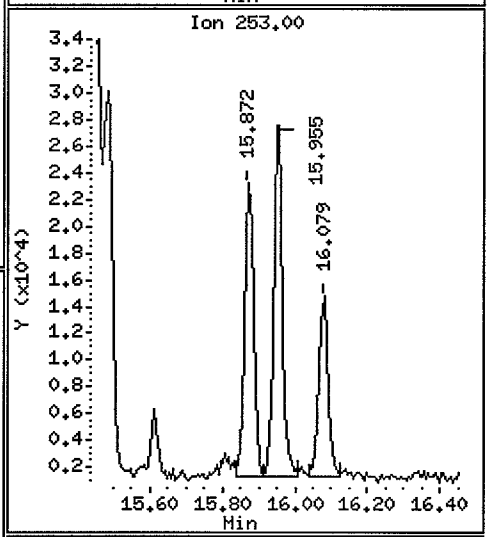


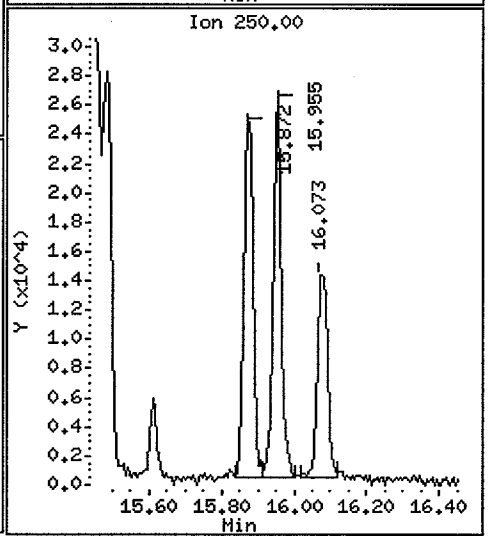












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

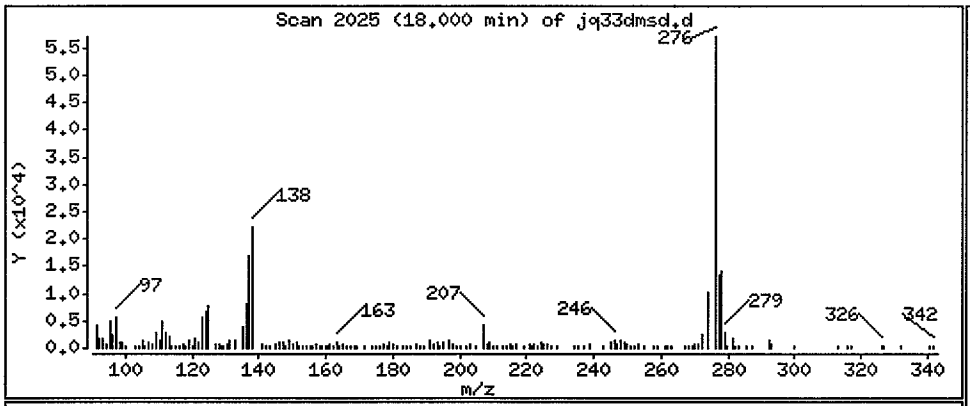
Operator: VTS

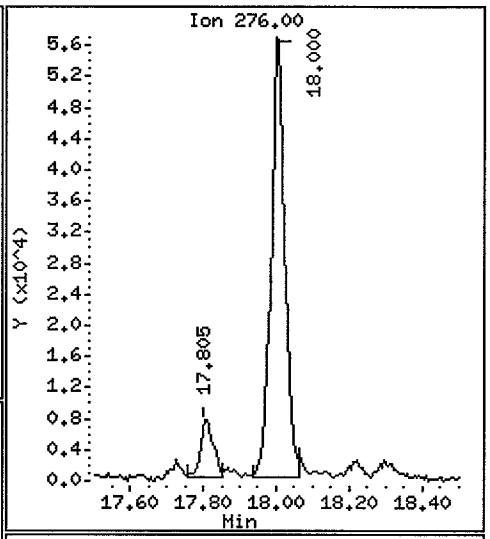
Column phase: ZB-5

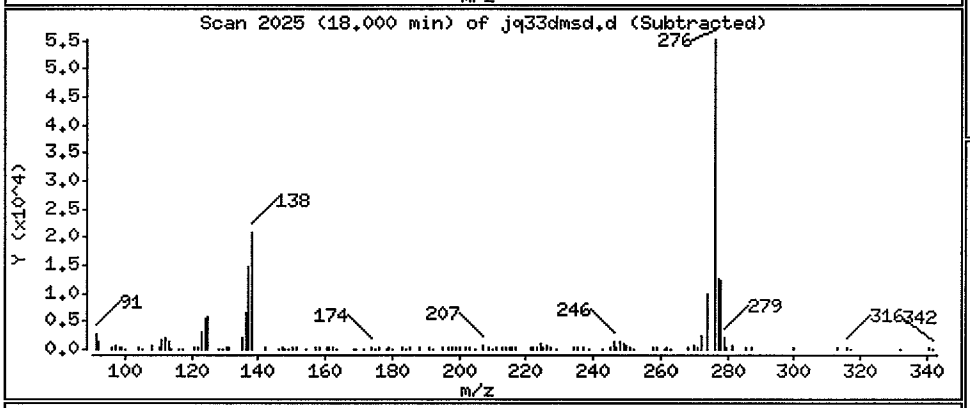
Column diameter: 0.25

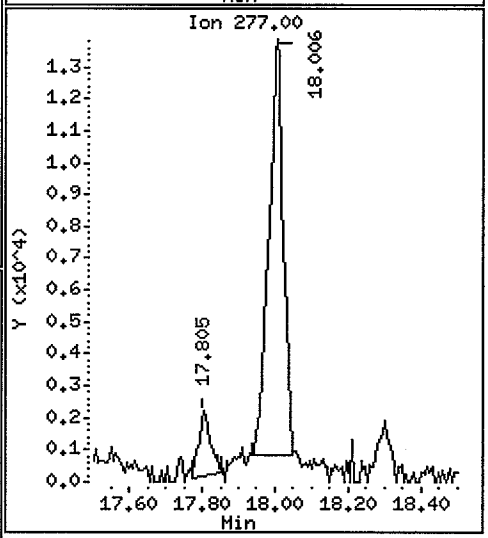
33 Indeno(1,2,3-cd)pyrene

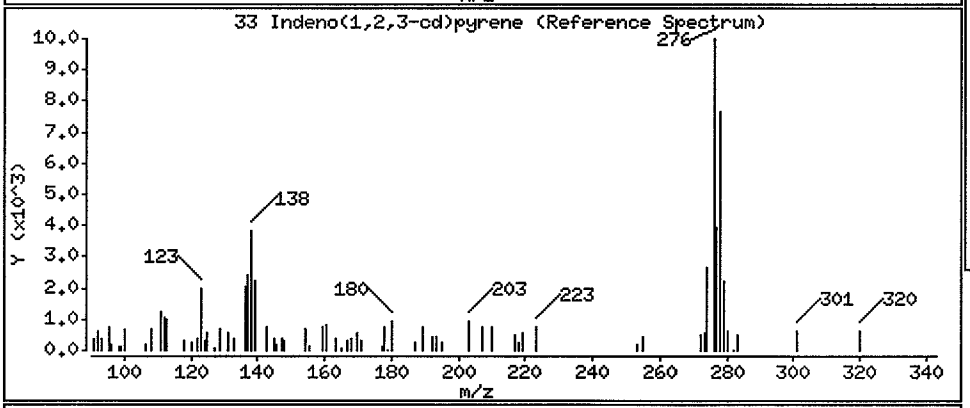
Concentration: 55.86 ug/kg

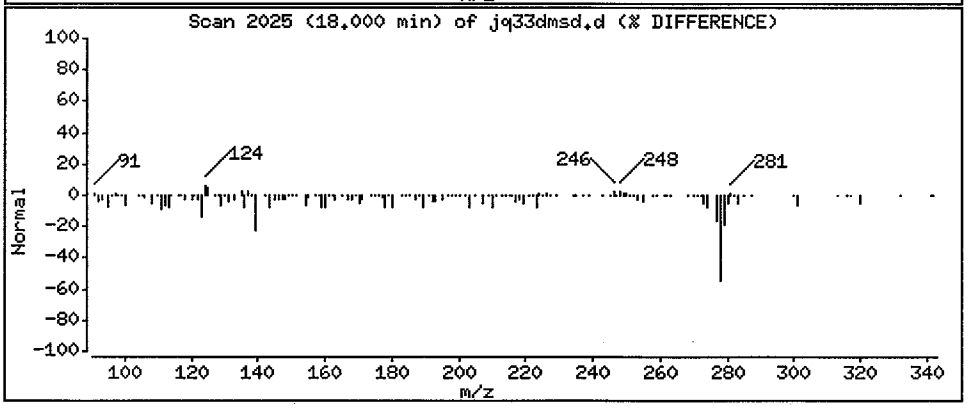












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

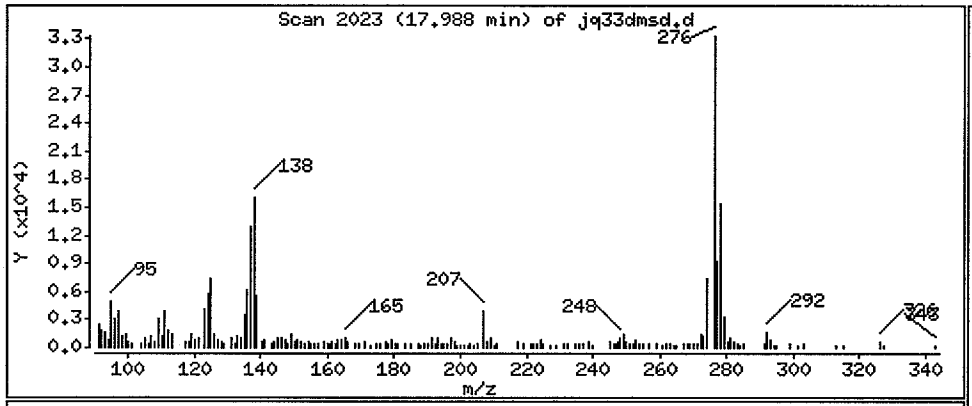
Operator: VTS

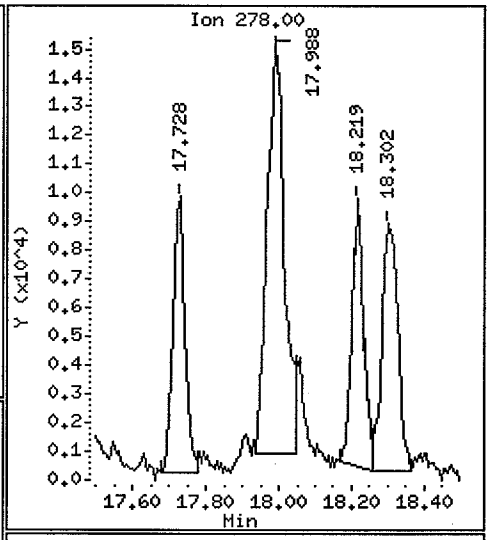
Column phase: ZB-5

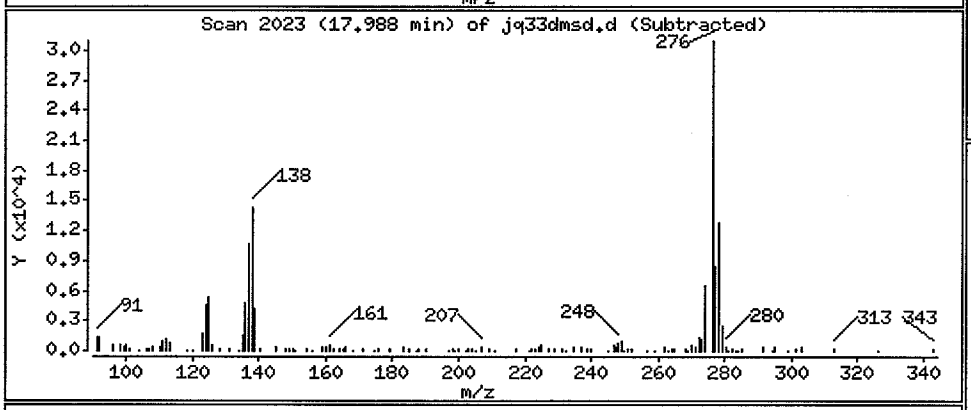
Column diameter: 0.25

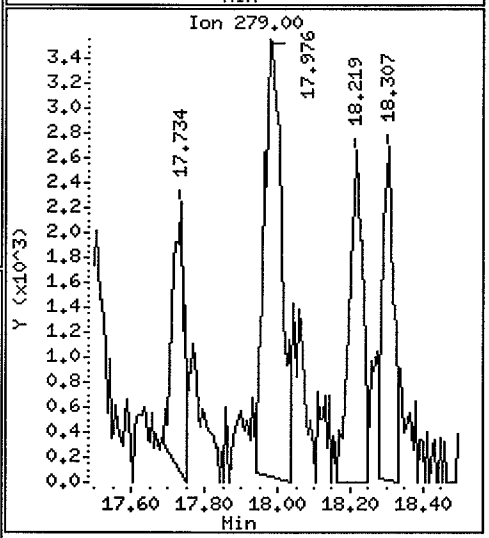
34 Dibenz(a,h)anthracene

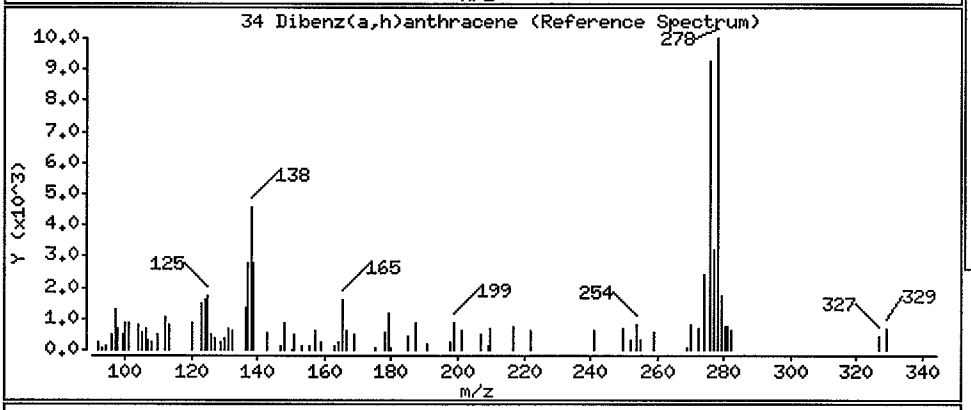
Concentration: 21.68 ug/kg

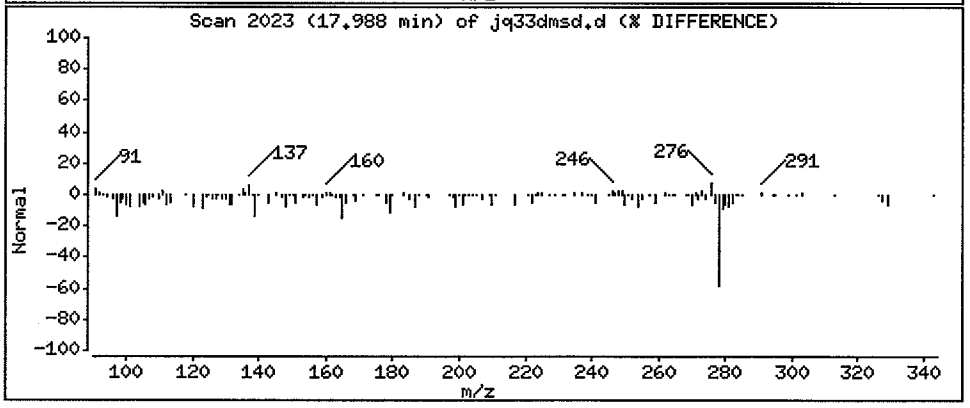












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

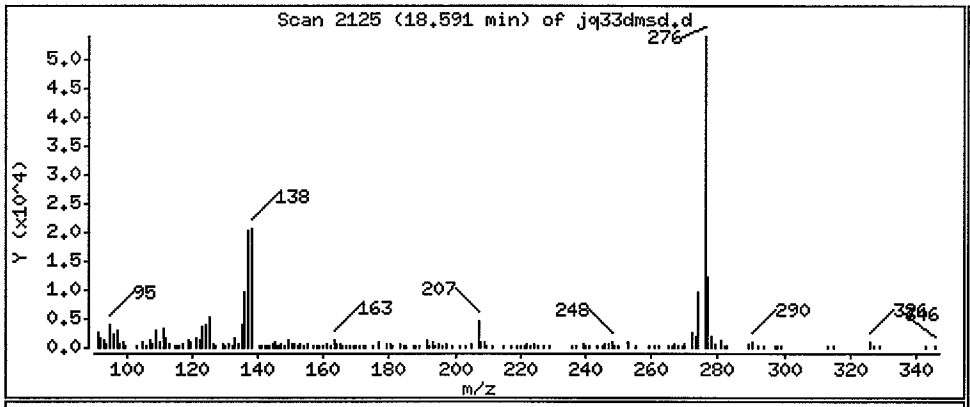
Operator: VTS

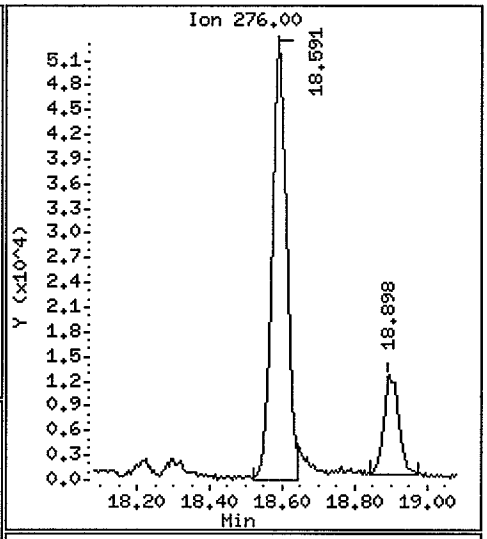
Column phase: ZB-5

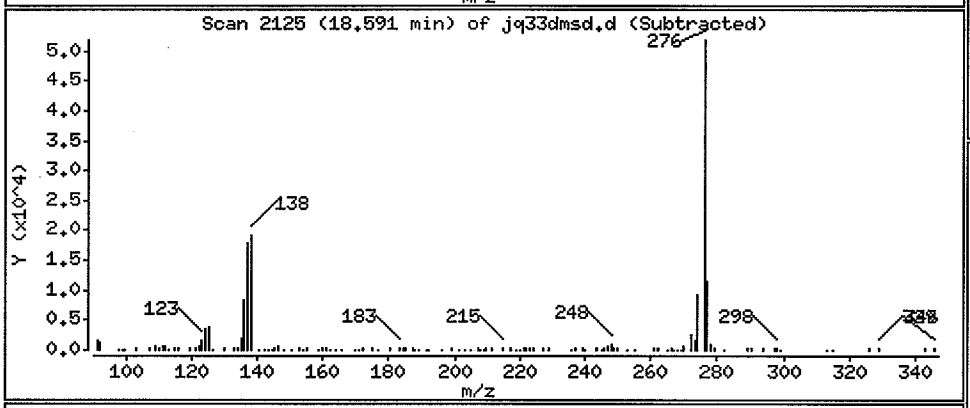
Column diameter: 0.25

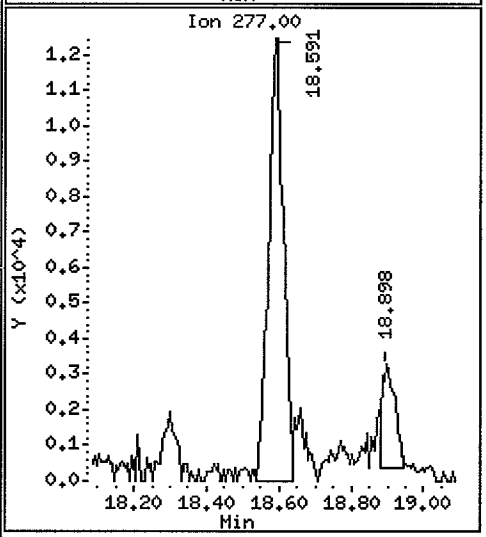
35 Benzo(g,h,i)perylene

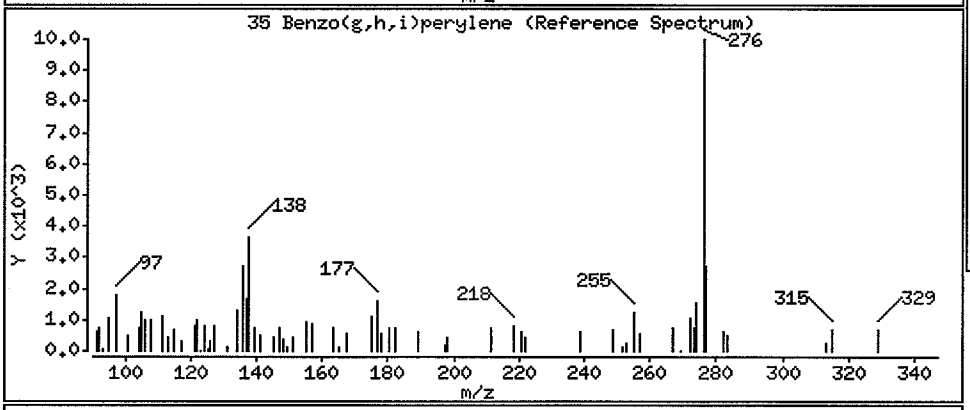
Concentration: 67.26 ug/kg

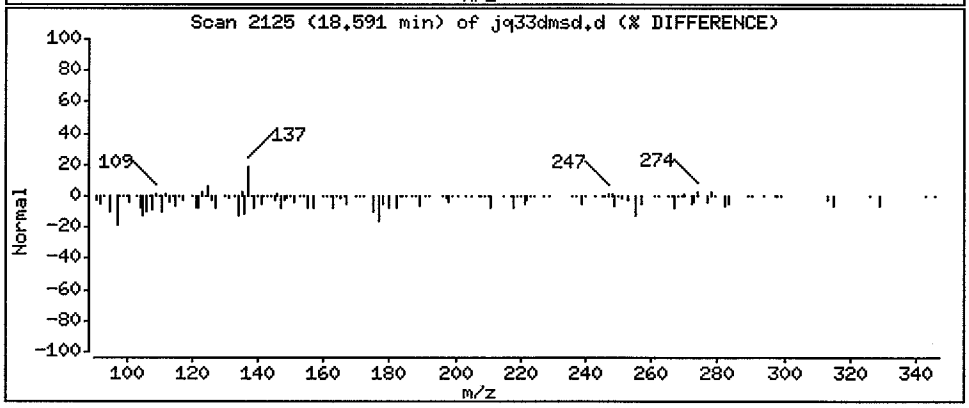












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

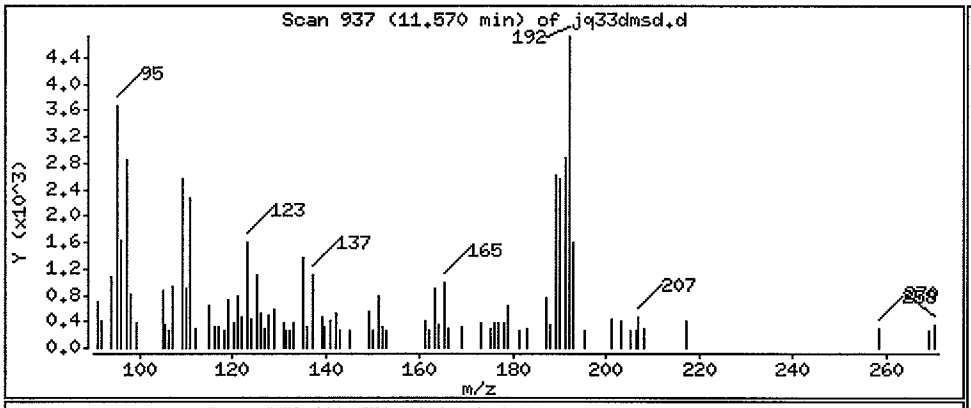
Operator: VTS

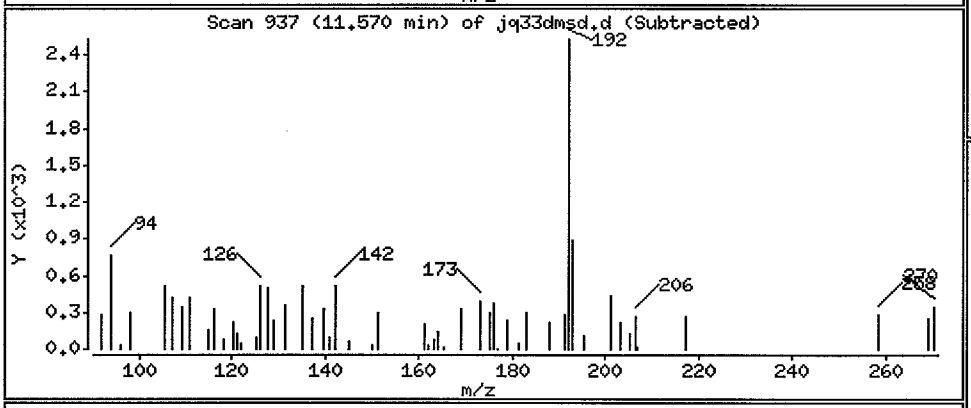
Column phase: ZB-5

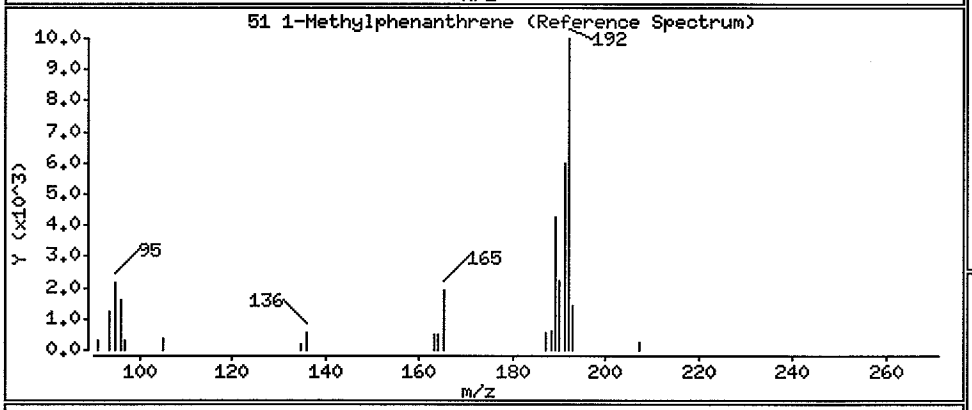
Column diameter: 0.25

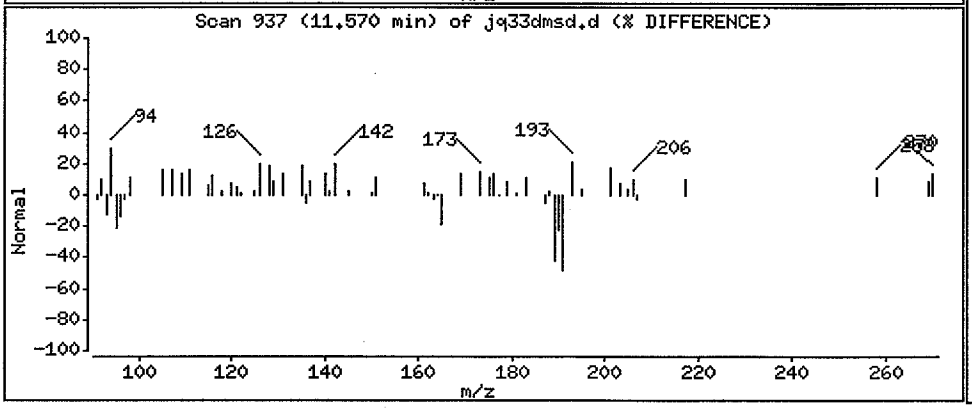
51 1-Methylphenanthrene

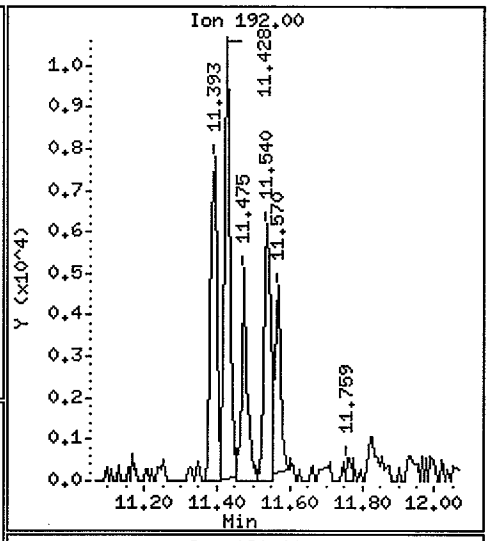
Concentration: 3.531 ug/kg

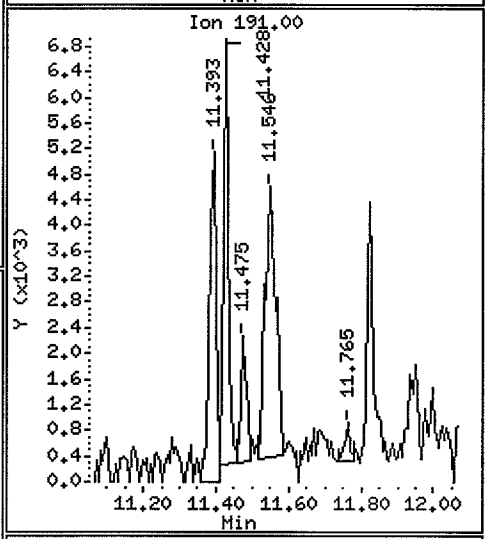


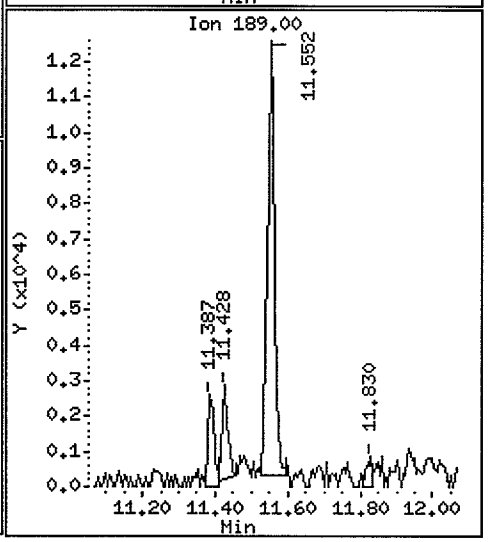












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

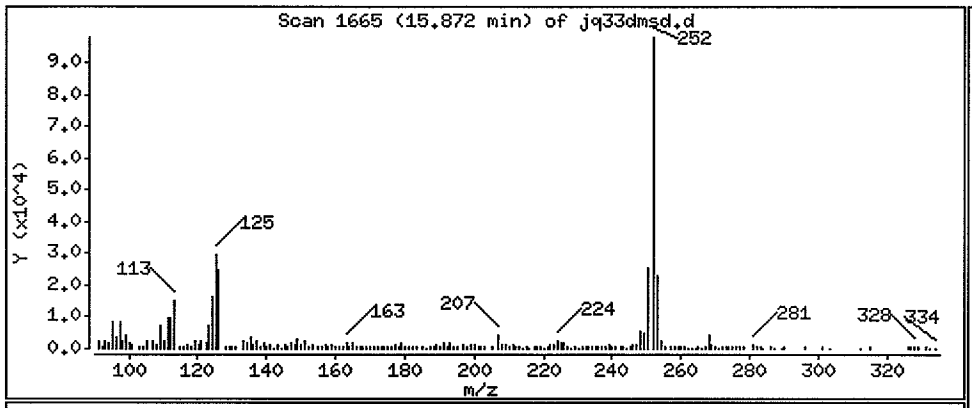
Operator: VTS

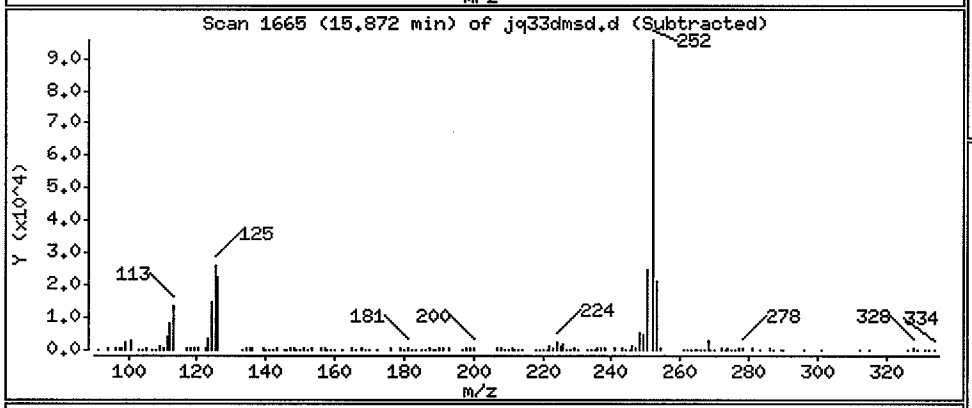
Column phase: ZB-5

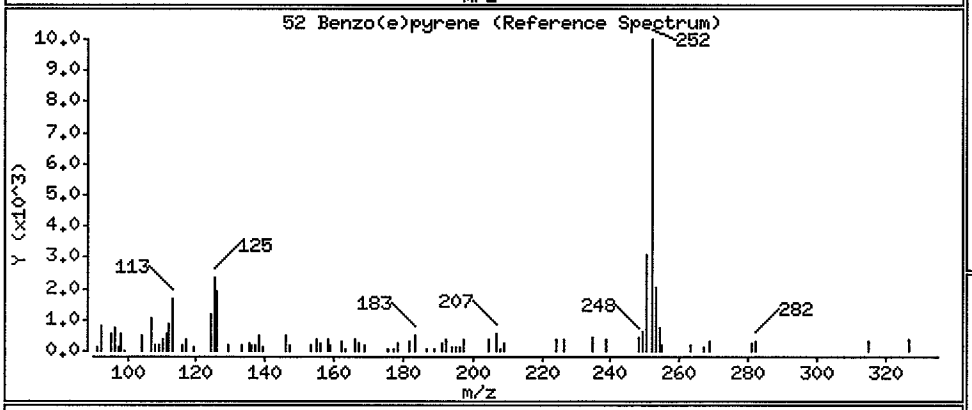
Column diameter: 0.25

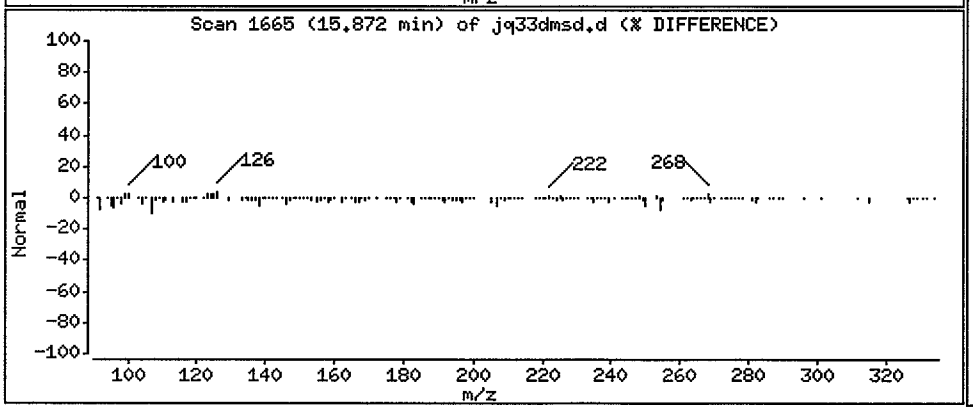
52 Benzo(e)pyrene

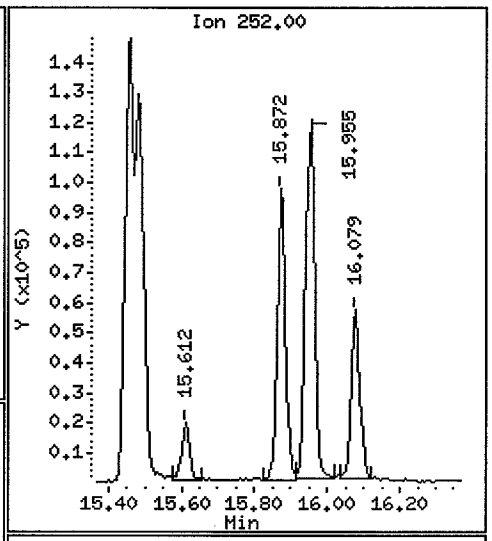
Concentration: 61.56 ug/kg

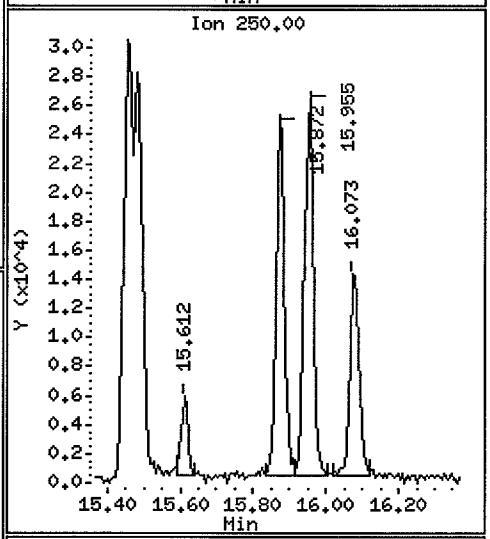


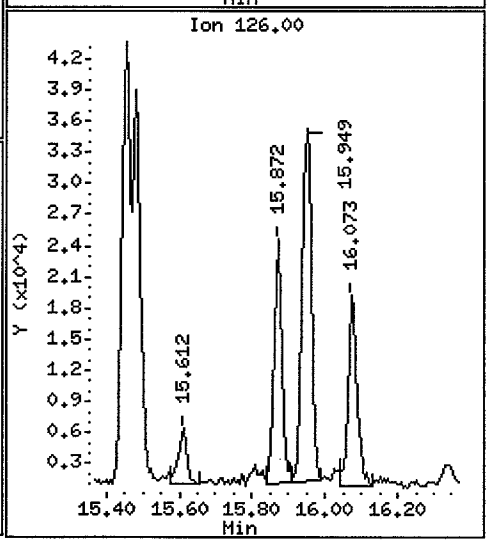












Data File: /chem3/nt1.i/20060807.b/jq33dmsd.d

Date : 07-AUG-2006 16:13

Client ID: T4-B414-02-A MSD

Instrument: nt1.i

Sample Info: JQ33DMSD

Volume Injected (uL): 1.0

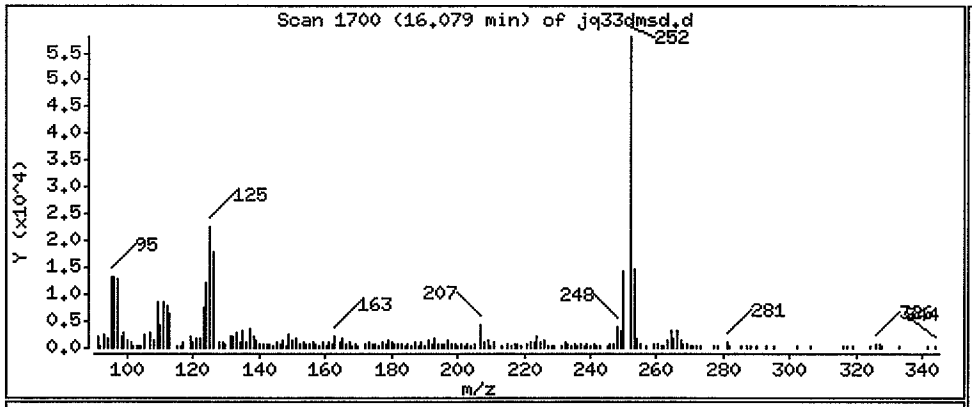
Operator: VTS

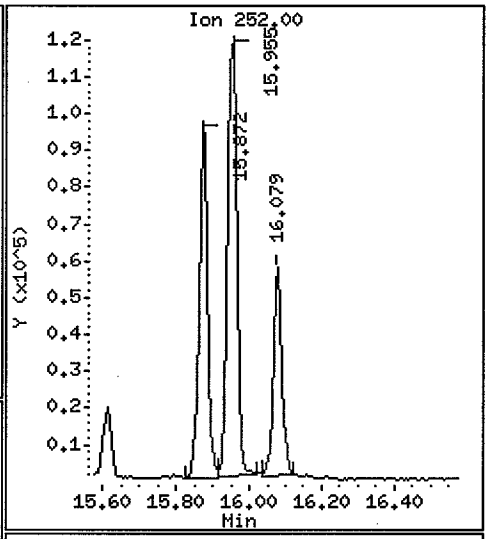
Column phase: ZB-5

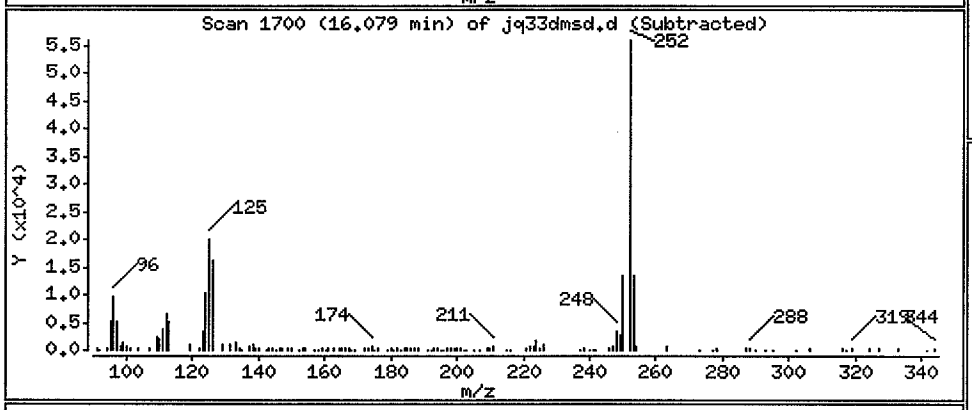
Column diameter: 0.25

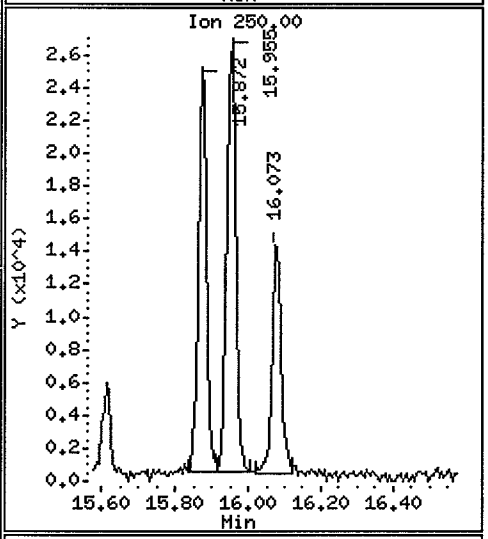
53 Perylene

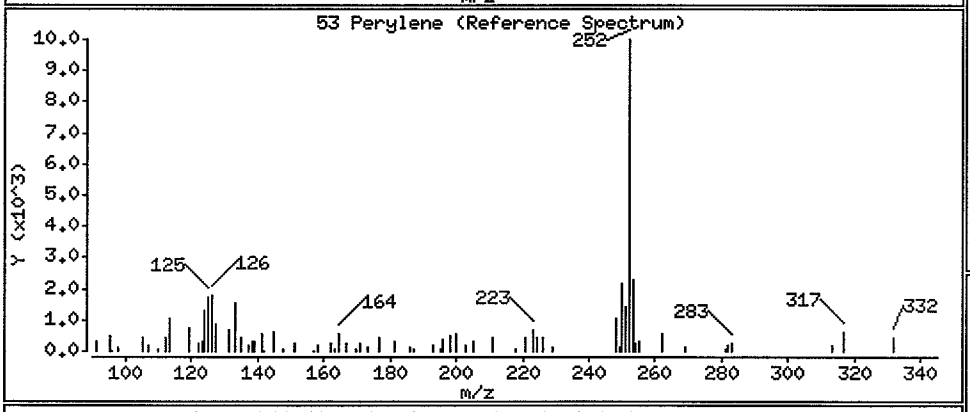
Concentration: 39.29 ug/kg

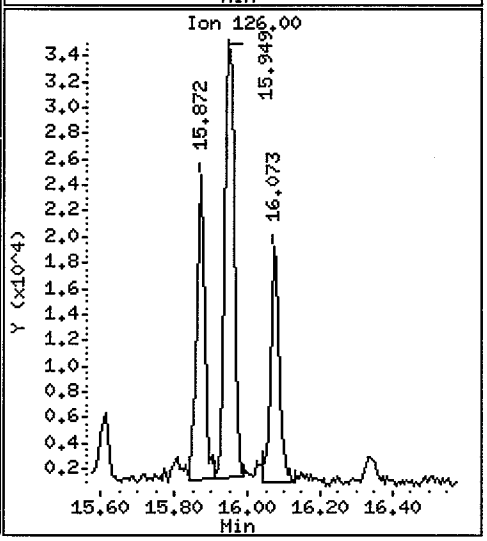


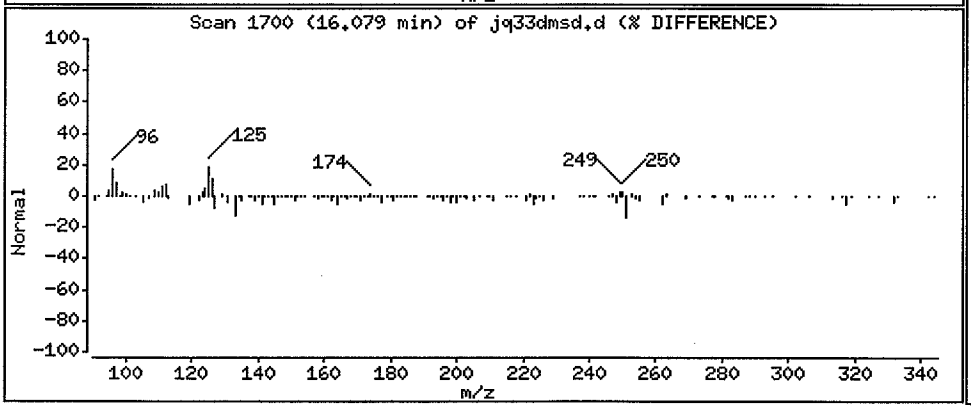












YZ 8/7/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/jq33sb.d
Lab Smp Id: JQ33LCSS1 Client Smp ID: JQ33LCSS1
Inj Date : 04-AUG-2006 14:33
Operator : VTS Inst ID: nt1.i
Smp Info : JQ33LCSS1
Misc Info : 06-12926
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:17 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 11 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	10.00000	Weight of sample extracted (g)
M	0.00000	% 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	6.884	6.883	(1.000)	242062	2.00000	
	2 Naphthalene	128	6.907	6.907	(1.003)	181753	1.50533	75.27
$	3 2-Methylnaphthalene-d10	152	7.640	7.640	(1.110)	104367	1.67396	83.70
	4 2-Methylnaphthalene	142	7.681	7.681	(1.116)	115195	1.61105	80.55
	5 1-Methylnaphthalene	142	7.812	7.811	(1.135)	110153	1.46866	73.43
	7 Acenaphthylene	152	8.769	8.769	(0.980)	164565	1.51161	75.58
*	8 Acenaphthene-d10	164	8.946	8.946	(1.000)	131310	2.00000	
	9 Acenaphthene	153	8.988	8.987	(1.005)	109653	1.70070	85.03
	10 Dibenzofuran	168	9.177	9.170	(1.026)	143210	1.50794	75.40
	11 Fluorene	166	9.596	9.596	(1.073)	122951	1.66300	83.15
*	15 Phenanthrene-d10	188	10.761	10.760	(1.000)	217726	2.00000	
	16 Phenanthrene	178	10.790	10.790	(1.003)	189451	1.69523 B	84.76
	17 Anthracene	178	10.843	10.843	(1.008)	169351	1.51638	75.82
	19 Fluoranthene	202	12.280	12.279	(1.141)	184844	1.62162	81.08

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	20 Pyrene	202	12.569	12.569	(0.893)	196872	1.59651	79.83
	22 Benzo(a)anthracene	228	14.053	14.052	(0.999)	175353	1.51633	75.82
*	23 Chrysene-d12	240	14.070	14.070	(1.000)	192039	2.00000	
	24 Chrysene	228	14.106	14.105	(1.003)	175230	1.64282	82.14
	28 Benzo(b)fluoranthene	252	15.447	15.447	(0.964)	170877	1.60202	80.10
	29 Benzo(k)fluoranthene	252	15.477	15.476	(0.966)	199652	1.75574	87.79
	30 Benzo(a)pyrene	252	15.938	15.938	(0.994)	151968	1.46217	73.11
*	31 Perylene-d12	264	16.027	16.026	(1.000)	188994	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.989	17.988	(1.122)	180447	1.50972	75.49
$	32 Dibenz(a,h)anthrancene-d14	292	17.912	17.906	(1.118)	126870	1.75410	87.71
	34 Dibenz(a,h)anthracene	278	17.983	17.976	(1.122)	151411	1.55067	77.53
	35 Benzo(g,h,i)perylene	276	18.568	18.562	(1.159)	162104	1.63157	81.58
	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	Compound Not Detected.					
	53 Perylene	252	Compound Not Detected.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq33sb.d
Lab Smp Id: JQ33LCSS1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12926

Calibration Date: 04-AUG-2006
Calibration Time: 10:25
Client Smp ID: JQ33LCSS1
Level: LOW
Sample Type: Solid

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	242062	8.64
8 Acenaphthene-d10	123591	61796	247182	131310	6.25
15 Phenanthrene-d10	200797	100398	401594	217726	8.43
23 Chrysene-d12	171210	85605	342420	192039	12.17
31 Perylene-d12	183426	91713	366852	188994	3.04

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.01
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.01
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.01
23 Chrysene-d12	14.08	13.58	14.58	14.07	-0.05
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: JQ33LCSS1
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: 06-12926

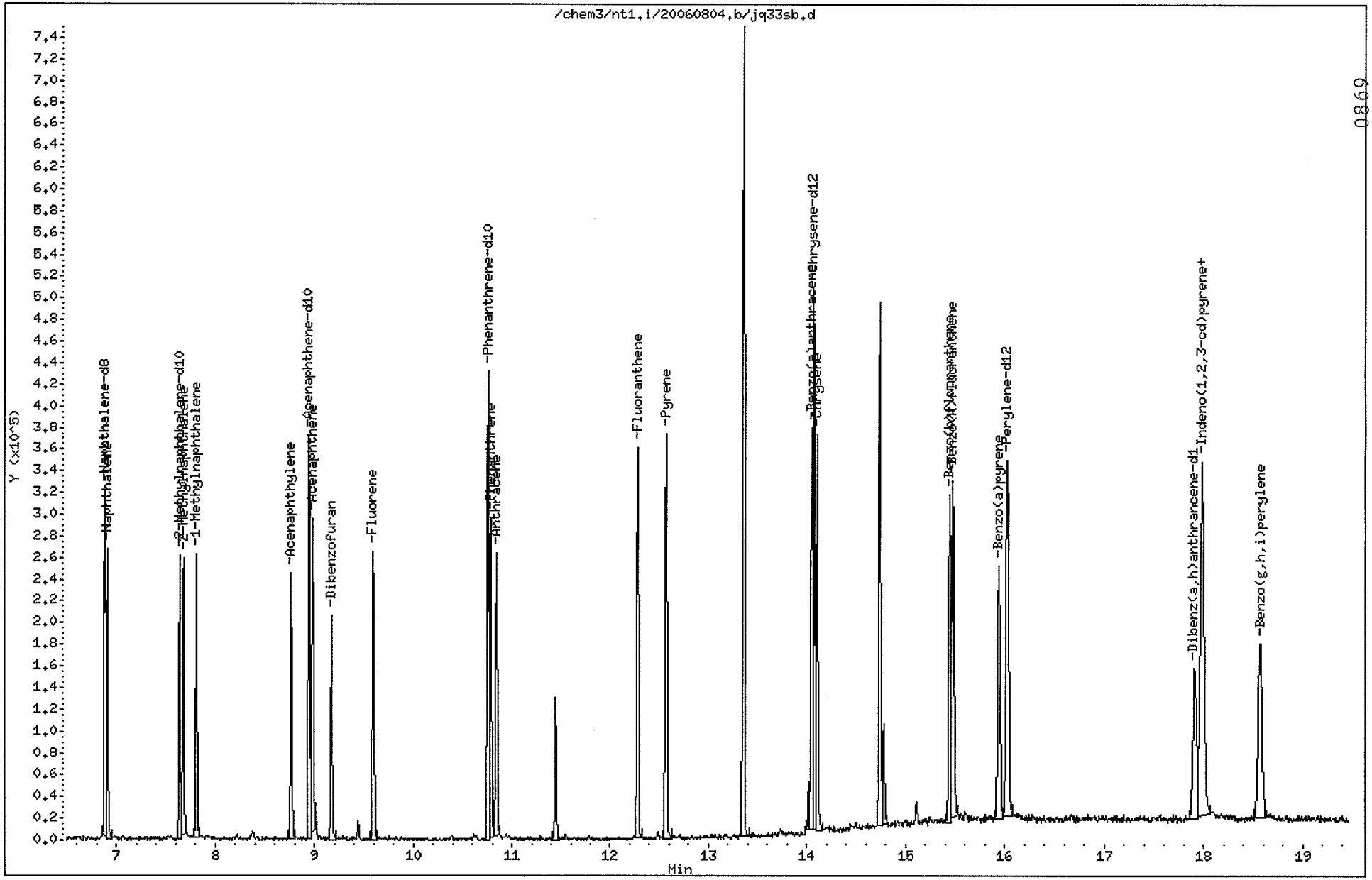
Client SDG: JQ33
Fraction: SV
Client Smp ID: JQ33LCSS1
Operator: VTS
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
16 Phenanthrene	150.0	84.76	56.51	46-107
24 Chrysene	150.0	82.14	54.76	49-108
29 Benzo(k)fluoranthe	150.0	87.79	58.52	37-94

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	150.0	83.70	55.80	32-97
$ 32 Dibenz(a,h)anthran	150.0	87.71	58.47	21-105

Data File: /chem3/nt1.i/20060804.b/jq33sb.d
Date : 04-AUG-2006 14:33
Client ID: JQ33LCSS1
Sample Info: JQ33LCSS1
Volume Injected (uL): 1.0
Column phase: ZB-5

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



Data File: /chem3/nt1.i/20060804.b/jq33sb.d

Date : 04-AUG-2006 14:33

Client ID: JQ33LCSS1

Instrument: nt1.i

Sample Info: JQ33LCSS1

Volume Injected (uL): 1.0

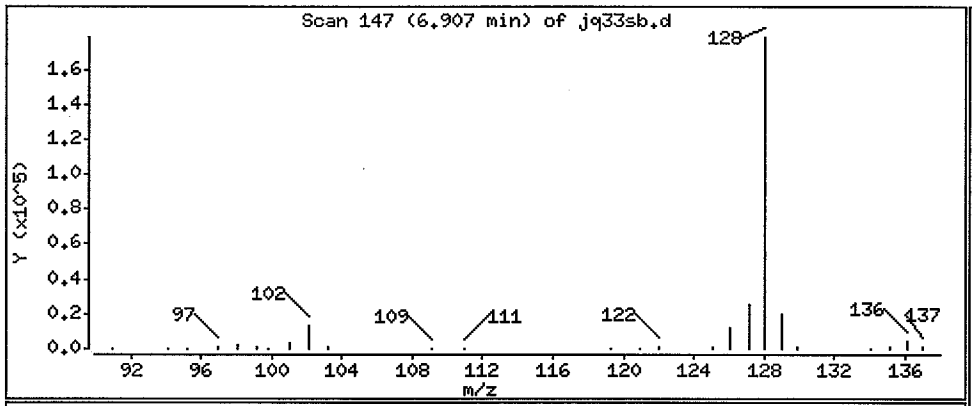
Operator: VTS

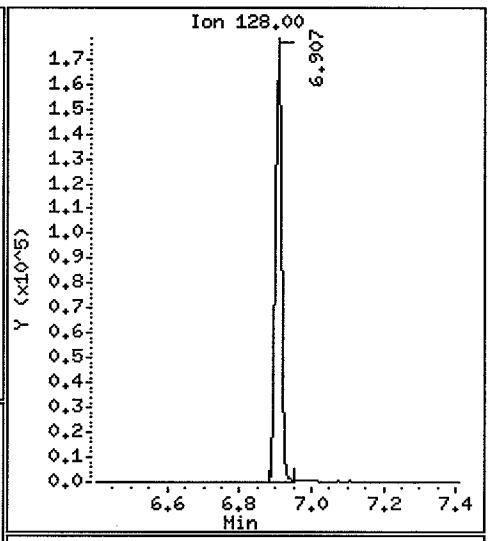
Column phase: ZB-5

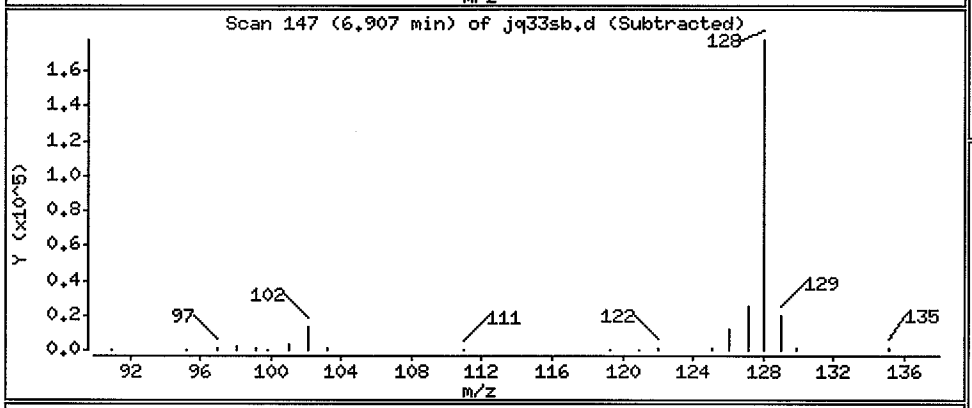
Column diameter: 0.25

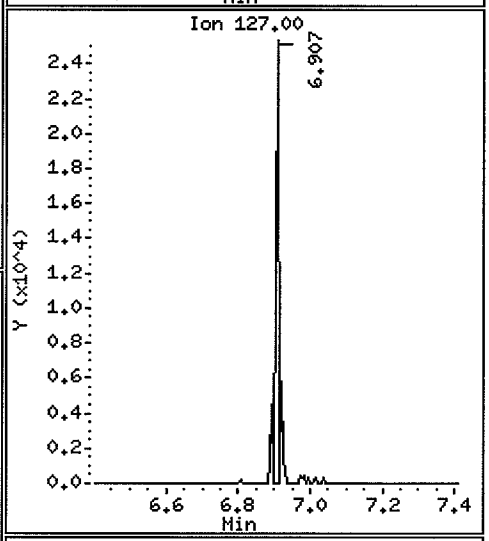
2 Naphthalene

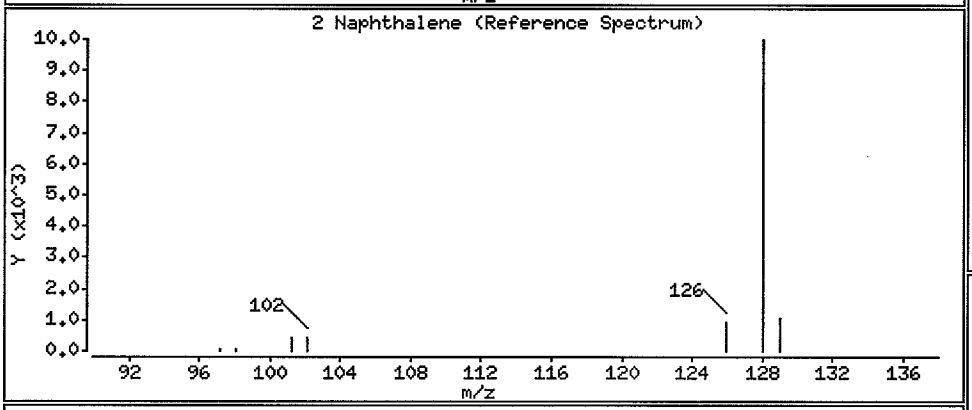
Concentration: 75.27 ug/kg

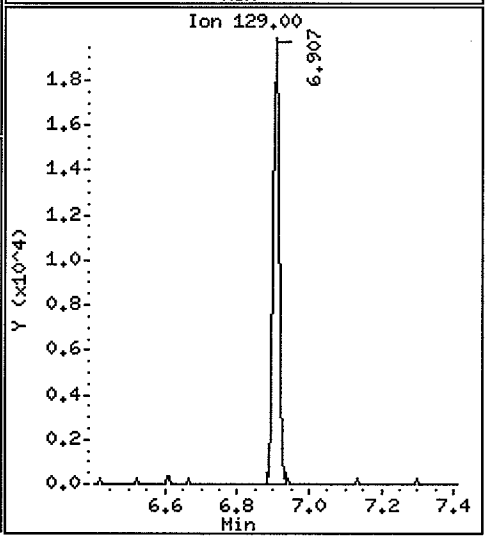


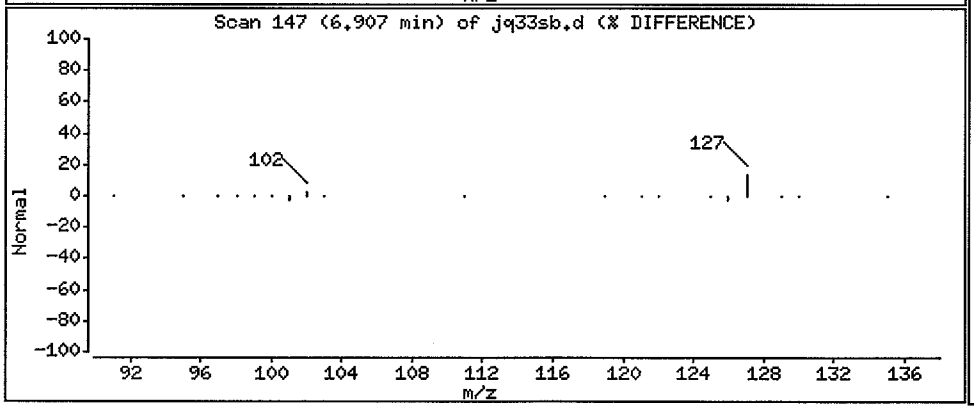












SIM Semivolatile Analysis
Extraction Bench Sheets/Run Logs

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ33

prepared
by

Analytical Resources, Inc.

QA LIMs # _____
EXT LIMs # _____
Bid # SM0727B-01

(8270)PNA/ SIM PNA/(8310)PNA– Soil/Sediment
In House ____ PSDDA ____ ~~Pro-Sep~~ ____
(3550B) Microtip ____ low level X
(3550B Macrotip X
KD X
Turbovap X

ANALYTICAL RESOURCES INCORPORATED

Client Name: Anchor Environmental

ARI Job No(s): JQ33

Extraction Requirements (ARI Lab ID)	Client Sample ID	Amount Extracted (g)	GPC Aliquot #1/#2	~~Alumina~~ Silica Aliquot (opt)	Final Effective Volume	Volume To Lab	Time Extracted 1730 Comments
MB: JQ33.MBS	7-27-06	10.00	—	1:1	0.5 mL	0.5 mL	
SB: SBS	7-27-06	10.00					
A	verified	18.51					
B		19.52					
C		19.01					
D		20.02					
DMS		20.04					06-12926
DMSD		20.01					
E		20.00					
F		19.53					
G		20.00					
H		21.00					
I		20.02					
J		21.00					
K		19.01					
L		20.00					
M		20.02					
N		20.02					
O		2.02					
P		2.02					
Q		2.02					
Date/Analyst:		GAA 7-27-06		TH 7/29			

macro: TH 7/28

Surrogate Amount: 50 µL
Concentration: 30/150 µg/mL
Added By: GAA /Spk. Witness PC
ID: 1408-4

Spike Amount: 50 µL
Concentration: 30/150 µg/mL
Added By: GAA /Spk. Witness PC
ID: 1393-3

(DCM) Solvent Lot ID: I 2978
(Acetonitrile) Solvent Lot ID: _____
(1:1 DCM/Acetone) Reagent ID: F480
D/o silica ~~(2%) Alumina~~ ID: F2620
Na2So4 ID: 7K0/06 #3
Neutral glasswool ID: 3/17/06 #6

Spk Amt: 50 µL
Concentration: _____
ID: 1254-04B
Added: GAA
Witness: PC

3007F

Revision 6
7/29/03

0872

ANALYTICAL
RESOURCES
INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: JQ33 Client Name: Anchor

Parameter: SIM PNA Client Project: TH Early Action

3573 SOP Number(s) ☐ No Anomalies

List problems, corrective actions, and any other pertinent information:

Samples were extracted 1Ag dry to a 0.5mL final volume to achieve desired reporting limits as per Ver 5. ~~JA~~ 7/27/06

A-Q = Color present in samples after Silica gel - TH 7/29/06

Extraction

Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: JQ33 Client ID: Anchor Environmental

ARI SOP: **801S**(SIM-PNA) **802S**(BTS-HX) **803S**(BTS-PW) **804S**(8270D) **805S**(BTS-ET)

Parameter(s): SIM PNA

Instrument: NT-1 NT-2 NT-4 NT-6

Curve Date: 08/04/2006 Analysis Start Date: 08/04/2006

DFTPP Tune Meets Criteria?	YES / NO	Method Blank in Control?	YES / NO
DDT Breakdown <20%?	YES / NO / NA	LCS / LCSD Recovery in Control?	YES / NO
Peak Tailing Factor in Control?	YES / NO / NA	MS/MSD Recovery in Control?	YES / NO
ICal Meets RF & %RSD Criteria?	YES / NO	Surrogate Recovery in Control?	YES / NO
CCal Meets RF & %RSD Criteria?	YES / NO	Special Analysis Criteria Met?	YES / NO / NA
Internal Standard Meets Criteria?	YES / NO		

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary):

just above RL .11 on column RL = .10

MBs contain Phenanthrene above detection limit. Phenanthrene reported with B flag in all samples — Sample A (500x) MB Level

J flag values not reported on lims

(Dms/Dmsd = Run 10X Due to matrix - spk recovery above QC due to presence analytes in the sample D DMS/MSD - Sample Homogenity? DMS/MSD Dup better than D2

New cpds - only Reported to RL - NO J Flags on Form I (Surr RPD <29% most <10%)

Spectra included >RL ?MDL?

Additional Details on Reverse: Yes / No

Analyst Signature: YZ **Date:** 8/8/06.

Reviewer's Signature: [signature] **Date:** 8/8/06

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: SIM PNA curve Client ID: _____

ARI SOP: **801S**(SIM-PNA) **802S**(BTS-HX) **803S**(BTS-PW) **804S**(8270D) **805S**(BTS-ET)

Parameter(s): SIM PNA

Instrument: NT-1 NT-2 NT-4 NT-6

Curve Date: 8/4/2006 Analysis Start Date: _____

DFTPP Tune Meets Criteria?	YES / NO	Method Blank in Control?	YES / NO
DDT Breakdown <20%?	YES / NO / NA	LCS / LCSD Recovery in Control?	YES / NO
Peak Tailing Factor in Control?	YES / NO / NA	MS/MSD Recovery in Control?	YES / NO
ICal Meets RF & %RSD Criteria?	YES / NO	Surrogate Recovery in Control?	YES / NO
CCal Meets RF & %RSD Criteria?	YES / NO	Special Analysis Criteria Met?	YES / NO / NA
Internal Standard Meets Criteria?	YES / NO		

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary):

6 points curve for routine analytes + additional analytes:

Biphenyl
2,6 Dimethylnaphthalene
2,3,5 Trimethylnaphthalene
1-Methylphenanthrene
Benzo-(e)pyrene
Perylene.

all RSD<15%, all averaged

-ICV run on 8/10/2006 - Within 70-130%

Additional Details on Reverse: Yes / No

Analyst Signature: YS **Date:** 8/4/06

Reviewer's Signature: _____ **Date:** 8.4.2006

Analytical Resources Inc.: Organics Instrument Log

NT-1 (Serial No.: Mass Spec = 3341A01294; Mass Spec GC = 3336A53338)

Date: 8/4/2006 Analysis: SIM PNA Analyst: YZ

GC Program: NT SIM PNA Column No: 97876 Column Type: ZB-5

Instrument Tune (.U or .CT.): 12/6 U EM Voltage: 1700

Calibration File: DF0804 Curve Date: 08/04/06

IS/SS	Ical/Ccal	LCS/ICV
(1408-03)	(1409-02)	(1330-01 @ 20x

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem3/nt1.i/20060804.b

	Time	Filename	LabID	ClientId	DF									
1	0953	df0804.d	DF0804		1	NO ISTDS FOUND								
2	1025	ic0803a.d	IC0803A		1	6.88	222814	8.95	123591	10.76	200797	14.08	171210	16.03	183426
3	1049	ic0803b.d	IC0803B		1	6.88	258376	8.95	134818	10.76	213897	14.08	186768	16.03	190332
4	1114	ic0803c.d	IC0803C		1	6.88	240196	8.95	130781	10.75	214296	14.07	190807	16.02	191469
5	1139	ic0804d.d	IC0803D		1	6.88	245793	8.95	134787	10.76	216386	14.07	183473	16.03	196521
6	1204	ic0805e.d	IC0803E		1	6.88	305770	8.95	166121	10.76	269899	14.07	235891	16.03	239658
7	1228	ic0806f.d	IC0803F		1	6.88	245095	8.95	131758	10.76	219114	14.07	191517	16.03	197414
8	1253	jp87mb.d	JP87MBW1	JP87MBW1	1	6.88	228604	8.95	127686	10.76	211581	14.08	191918	16.03	195235
9	1318	jp87sb.d	JP87LCSW1	JP87LCSW1	1	6.88	303611	8.95	159367	10.76	257063	14.07	220410	16.03	214214
10	1343	jp87ad.d	JP87AD		1	6.88	270931	8.95	140164	10.76	231423	14.08	208242	16.03	193229
11	1408	jq33mb.d	JQ33MBS1	JQ33MBS1	1	6.88	232087	8.95	116948	10.76	201358	14.07	181056	16.03	177519
12	1433	jq33sb.d	JQ33LCSS1	JQ33LCSS1	1	6.88	242062	8.95	131310	10.76	217726	14.07	192039	16.03	188994
13	1457	jq33a200.d	JQ33A	T4-B414-01-A	200	6.88	238007	8.95	129506	10.76	213340	14.08	193067	16.03	201758
14	1522	jq33a20.d	JQ33A	T4-B414-01-A	20	6.88	269722	8.95	143124	10.76	234650	14.09	239002	16.05	230123
15	1547	jq33b10.d	JQ33B	T4-B414-01-B	10	6.89	253684	8.95	137858	10.76	229584	14.08	206616	16.03	217551
16	1612	jq33c10.d	JQ33C	T4-B414-01-C	10	6.88	251304	8.95	136383	10.76	218514	14.08	201248	16.03	207051
17	1637	jq33d10.d	JQ33D	T4-B414-02-A	10	6.89	250830	8.95	139170	10.76	226881	14.08	206452	16.03	210860
18	1701	jq33dms.d	JQ33DMS	T4-B414-02-A MS	10	6.88	286926	8.95	153185	10.76	242209	14.08	211508	16.03	209035
19	1726	jq33f10.d	JQ33F	T4-B414-02-C	10	6.88	266003	8.95	142673	10.76	228052	14.08	213090	16.03	208949
20	1751	jq33g10.d	JQ33G	T4-B414-03-A	10	6.88	267089	8.95	148727	10.76	233614	14.08	213580	16.03	210994
21	1816	jq33h10.d	JQ33H	T4-B414-03-B	10	6.88	269385	8.95	143637	10.76	230650	14.08	209106	16.03	212426
22	1840	jq33i.d	JQ33I	T4-B414-03-C	1	6.88	267919	8.95	144260	10.76	242100	14.08	235399	16.04	231697
23	1905	jq33j.d	JQ33J	T4-B414-04-A	1	6.88	260269	8.95	142460	10.76	229532	14.08	222385	16.04	203749
24	1930	jq33k.d	JQ33K	T4-B414-04-B	1	6.88	247787	8.95	134801	10.76	225260	14.08	220402	16.04	208456
25	1955	jq33l10.d	JQ33L	T4-B414-04-C	10	6.88	244088	8.95	139139	10.76	216520	14.08	196332	16.03	190131
26	2019	jq33m50.d	JQ33M	T4-S3-01-D	50	6.88	256942	8.95	141892	10.76	226524	14.08	204610	16.03	193008
27	2044	jq33n100.d	JQ33N	T4-S3-01-E	100	6.89	271920	8.95	145808	10.76	236513	14.07	211864	16.03	204121
28	2109	jq33o20.d	JQ33O	T4-S3-01-F	20	6.88	252583	8.95	137446	10.76	226835	14.08	199033	16.03	188672
29	2133	jq33p10.d	JQ33P	T4-S3-01-G	10	6.89	273354	8.95	144693	10.76	235162	14.07	211801	16.03	200625
30	2158	jq33q20.d	JQ33Q	T4-S3-01-H	20	6.88	258695	8.95	138477	10.76	228584	14.08	204572	16.03	200060
31	2247	jq33m10.d	JQ33M		1	6.88	274419	8.95	156017	10.76	247958	14.08	238659	16.04	212818
32	2312	jq33n10.d	JQ33N10		1	6.88	280766	8.95	157690	10.76	248493	14.09	253079	16.05	209925
33	2337	jq33e.d	JQ33E	T4-B414-02-B	1	6.88	277565	8.95	157937	10.76	263844	14.08	260270	16.04	217317

YZ 8/7/06

Mainte

new liner, new septum

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): CC 08I C0803A

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

Analytical Resources Inc.: Organics Instrument Log

NT-1 (Serial No.: Mass Spec = 3341A01294; Mass Spec GC = 3336A53338)

Date: 8/7/06 Analysis: ~~B~~ SIM PNA Analyst: SIM PNA VZ

GC Program: SIM PNA Column No: 97876 Column Type: ZB5

Instrument Tune (.U or .CT.): ~~DF0807 1216U~~ EM Voltage: 1700

Calibration File: DF0807 Curve Date: 08/04/06

IS/SS	Ical/Ccal	LCS/ICV
(1408-03)	(1409-01)(1416-02)	

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem3/nt1.i/20060807.b

	Time	Filename	LabID	ClientId	DF								
1	1024	df0807.d	DF0807		1	NO ISTDS FOUND							
2	1039	cc0807.d	CC0807		1	6.89	231039	8.95	129131	10.76	212850	14.08	190817	16.03	197592
3	1115	jq35mb.d	JQ35MBS1	JQ35MBS1	1	6.89	196430	8.95	104230	10.77	173132	14.08	159409	16.03	172927
4	1140	jq35sb.d	JQ35LCSS1	JQ35LCSS1	1	6.89	226245	8.95	123629	10.77	200567	14.08	186165	16.04	197062
5	1205	jq33a400.d	JQ33A	T4-B414-01-A	400	6.89	246370	8.95	132639	10.77	226457	14.08	201812	16.03	195108
6	1230	jq35a10.d	JQ35A	T4-S3-02-C	10	6.89	250257	8.95	140520	10.77	233920	14.08	216153	16.04	222940
7	1255	jq35b10.d	JQ35B	T4-S3-02-D	10	6.89	252321	8.95	137813	10.77	221695	14.08	201926	16.04	221481
8	1319	jq35c10.d	JQ35C	T4-S3-02-E	10	6.89	255309	8.95	135507	10.77	230694	14.08	204176	16.04	221520
9	1344	jq35d10.d	JQ35D	T4-S3-02-F	10	6.89	245660	8.95	138987	10.77	217562	14.08	192685	16.04	207083
10	1409	jq35e10.d	JQ35E	T4-S3-03-B	10	6.89	258290	8.95	143281	10.77	234449	14.08	206315	16.04	215028
11	1434	jq35f10.d	JQ35F	T4-S3-03-C	10	6.89	265580	8.95	144721	10.77	240069	14.08	213562	16.04	228495
12	1459	jq35g10.d	JQ35G	T4-S3-03-D	10	6.89	271540	8.95	154950	10.77	251307	14.08	219185	16.04	227150
13	1524	jq35h10.d	JQ35H	T4-S3-05-E	10	6.89	260423	8.95	143012	10.77	234928	14.08	216038	16.04	224207
14	1548	jq33e.d	JQ33E	T4-B414-02-B	1	6.89	18768	8.95	12739	10.77	18286	14.08	16014	16.04	16207
15	1613	jq33dmsd.d	JQ33DMSD	T4-B414-02-A	MSD 1	6.89	243802	8.95	135461	10.77	217457	14.08	201762	16.04	209436
16	1638	jq33m10.d	JQ33M	T4-S3-01-D	10	6.89	191997	8.96	109595	10.76	181216	14.09	173999	16.05	172020
17	1703	jq33n.d	JQ33N	T4-S3-01-E	10	6.89	232216	8.95	124202	10.77	206056	14.10	208263	16.06	203544
18	1728	jq33q.d	JQ33Q	T4-S3-01-H	20	6.89	236820	8.95	130040	10.77	209660	14.08	191739	16.04	194767
19	1752	jq35i.d	JQ35I	T4-S3-05-F	1	6.89	258282	8.95	144086	10.77	240271	14.08	217398	16.04	219636
20	1817	jq35j10.d	JQ35J	T4-S3-05-G	10	6.89	236638	8.95	129610	10.77	212650	14.08	196122	16.04	197010
21	1842	jq35k10.d	JQ35K	T4-S3-05-H	10	6.89	281122	8.95	153358	10.77	241831	14.08	213685	16.04	214240
22	1907	jq35l.d	JQ35L	T4-S3-05-J	1	6.89	280939	8.95	148640	10.77	238770	14.08	215263	16.04	228029
23	1931	jq35m10.d	JQ35M	T4-S3-06-A	10	6.89	282329	8.95	148056	10.77	235343	14.08	222786	16.04	218704
24	1956	jq35n.d	JQ35N	T4-S3-06-B	1	6.89	285064	8.95	152700	10.76	251705	14.08	217001	16.04	217400
25	2021	jq35o10.d	JQ35O	T4-S3-08-B	10	6.89	288440	8.95	153597	10.77	247720	14.08	221992	16.04	213545
26	2046	jq35p.d	JQ35P	T4-S3-08-C	1	6.89	291334	8.95	157337	10.76	253395	14.08	230403	16.03	228911
27	2110	jq35pms.d	JQ35PMS	T4-S3-08-C	MS 1	6.88	290178	8.95	154050	10.76	255867	14.08	227439	16.03	224669
28	2135	jq35pmsd.d	JQ35PMSD	T4-S3-08-C	MSD 1	6.89	319462	8.95	166317	10.76	267717	14.08	232739	16.03	234309

new liner, new septum VZ 8/8/06

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): CC0807

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

Analytical Resources Inc.: Organics Instrument Log

NT-1 (Serial No.: Mass Spec = 3341A01294; Mass Spec GC = 3336A53338)

Date: 08/08 106 Analysis: ~~YB~~ SIMPAH Analyst: ~~SI~~ YB

GC Program: SIMPAH Column No: 97876 Column Type: ZB5

Instrument Tune (.U or .CT.): D 1216 U EM Voltage: 1706

Calibration File: DF0808 Curve Date: 08/04/06

IS/SS	Ical/Ccal	LCS/ICV
(1408-03)	(1409-01)(1416-02)	

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem3/nt1.i/20060808.b

	Time	Filename	LabID	ClientId	DF									
1	0911	df0808.d	DF0808		1	NO ISTDS FOUND								
2	1132	jq33e.d	JQ33E	T4-B414-02-B	1	6.88	254624	8.95	133732	10.76	214656	14.08	202193	16.03	204528
3	1017	jq35a20.d	JQ35A	T4-S3-02-C	20	6.88	275765	8.95	148163	10.76	236793	14.08	205605	16.03	214516
4	1042	jq35h20.d	JQ35H	T4-S3-05-E	20	6.88	288009	8.95	152401	10.75	240720	14.07	208693	16.03	219436
5	1157	jq35i2.d	JQ35I	T4-S3-05-F	2	6.88	287961	8.95	153297	10.76	243446	14.07	215360	16.03	228392
6	1107	jq35j20.d	JQ35J	T4-S3-05-G	20	6.88	268640	8.95	137942	10.75	228879	14.07	198041	16.03	206426
7	1221	jq35l2.d	JQ35L	T4-S3-05-J	2	6.88	282317	8.94	150556	10.76	232914	14.07	199547	16.02	212284
8	1246	jq52a10.d	JQ52A	T4-S3-02-F-DUP	10	6.88	281092	8.95	147661	10.76	243797	14.08	221789	16.03	226677
9	1311	jq52b10.d	JQ52B	T4-S3-03-C-DUP	10	6.88	294830	8.94	155476	10.76	252000	14.07	219152	16.03	235237
10	1947	jq52c10.d	JQ52C	T4-B414-02-A-DUP	10	6.88	282374	8.94	147361	10.75	235117	14.07	202857	16.02	206865
11	2012	jq52d10.d	JQ52D	T4-S3-08-C-DUP	10	6.88	299651	8.94	156857	10.75	247671	14.07	213809	16.02	215837
12	1336	jq69mb.d	JQ69MBW1		1	6.88	284542	8.94	152816	10.76	234784	14.07	207329	16.02	212099
13	1401	jq69sb.d	JQ69LCSW1		1	6.88	276952	8.95	145353	10.76	236692	14.07	202683	16.02	208283
14	1425	jq69a.d	JQ69A		1	6.88	257472	8.95	131446	10.76	207020	14.07	188647	16.02	190390
15	1450	jq69b.d	JQ69B		1	6.88	281293	8.95	145620	10.76	231650	14.07	202412	16.02	202645
16	1515	jq69c.d	JQ69C		1	6.88	276189	8.94	140773	10.76	226205	14.07	195349	16.02	199890
17	1540	jq69d.d	JQ69D		1	6.88	271336	8.95	141612	10.76	232639	14.07	203590	16.03	206311
18	1604	jq69e.d	JQ69E		1	6.88	277840	8.95	148756	10.76	239039	14.07	217644	16.03	220686
19	1629	jq69f.d	JQ69F		1	6.88	254738	8.95	126250	10.76	203332	14.07	179895	16.02	179998
20	1654	jq69g.d	JQ69G		1	6.88	284206	8.95	146296	10.76	230685	14.07	206086	16.02	206191
21	1719	jq69h.d	JQ69H		1	6.88	275153	8.95	152242	10.76	241646	14.07	207211	16.02	205413
22	1743	jq69i.d	JQ69I		1	6.88	308916	8.95	155011	10.75	243958	14.07	206934	16.02	207374
23	1808	jq69ims.d	JQ69IMS		1	6.88	313276	8.95	161802	10.75	251623	14.07	213219	16.03	213676
24	1833	jq69imsd.d	JQ69IMSD		1	6.88	291837	8.95	152356	10.76	238274	14.07	201808	16.02	206888
25	1857	jq69j.d	JQ69J		1	6.88	300017	8.94	151874	10.76	238591	14.07	207389	16.02	206162
26	1922	jq69k.d	JQ69K		1	6.88	299232	8.94	154960	10.76	238300	14.07	206304	16.02	205913

Mair

new liner, new septum

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): CC08 08

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

8.10.2006 VTS

0878

Semivolatile Organics
QC Summary Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ33

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES SOIL/SEDIMENT SURROGATE RECOVERY SUMMARY

Matrix: Sediment

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

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

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

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

ANALYTICAL RESOURCES INCORPORATED

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

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

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

Date Extracted MS/MSD: 07/27/06

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

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

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

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

ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	80.8%

Results reported in µg/kg

4B
SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

JQ33MBS1

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

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

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

Matrix: SOLID Time Analyzed: 1329

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

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

COMMENTS:

FORM IV SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

Instrument ID: NT6 Project: T4 EARLY ACTION

DFTPP Injection Date: 07/05/06 DFTPP Injection Time: 1016

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	50.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	59.5
70	Less than 2.0% of mass 69	0.3 (0.6)1
127	25.0 - 75.0% of mass 198	50.7
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	6.4
275	10.0 - 30.0% of mass 198	26.6
365	Greater than 0.75% of mass 198	3.73
441	Present, but less than mass 443	11.3
442	40.0 - 110.0% of mass 198	74.5
443	15.0 - 24.0% of mass 442	14.4 (19.4)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	ABN 25	ABN 25	0250705	07/05/06	1016
02	ABN 80	ABN 80	0800705	07/05/06	1046
03	ABN 1	ABN 1	0010705	07/05/06	1117
04	ABN 40	ABN 40	0400705	07/05/06	1147
05	ABN 5	ABN 5	0050705	07/05/06	1218
06	ABN 10	ABN 10	0100705	07/05/06	1249
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FORM V SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

Instrument ID: NT6 Project: T4 EARLY ACTION

DFTPP Injection Date: 08/01/06 DFTPP Injection Time: 1157

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	57.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	67.1
70	Less than 2.0% of mass 69	0.0 (0.1)1
127	25.0 - 75.0% of mass 198	54.1
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	7.3
275	10.0 - 30.0% of mass 198	26.4
365	Greater than 0.75% of mass 198	3.39
441	Present, but less than mass 443	11.8
442	40.0 - 110.0% of mass 198	76.8
443	15.0 - 24.0% of mass 442	14.7 (19.1)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	ABN CCAL	ABN 25	CC0801	08/01/06	1157
02	JQ33MBS1	JQ33MBS1	JQ33MB	08/01/06	1329
03	JQ33LCSS1	JQ33LCSS1	JQ33SB	08/01/06	1400
04	T4-B414-01-B	JQ33B	JQ33B	08/01/06	1703
05	T4-B414-01-C	JQ33C	JQ33C	08/01/06	1734
06	T4-B414-02-A	JQ33D	JQ33D	08/01/06	1804
07	T4-B414-02-B	JQ33E	JQ33E	08/01/06	1835
08	T4-B414-02-C	JQ33F	JQ33F	08/01/06	1906
09	T4-B414-03-A	JQ33G	JQ33G	08/01/06	1936
10	T4-B414-03-B	JQ33H	JQ33H	08/01/06	2007
11	T4-B414-03-C	JQ33I	JQ33I	08/01/06	2038
12	T4-B414-04-A	JQ33J	JQ33J	08/01/06	2108
13	T4-B414-04-B	JQ33K	JQ33K	08/01/06	2139
14	T4-B414-04-C	JQ33L	JQ33L	08/01/06	2210
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FORM V SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

Instrument ID: NT6 Project: T4 EARLY ACTION

DFTPP Injection Date: 08/03/06 DFTPP Injection Time: 0718

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	51.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	54.1
70	Less than 2.0% of mass 69	0.3 (0.6)1
127	25.0 - 75.0% of mass 198	50.9
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	6.5
275	10.0 - 30.0% of mass 198	29.6
365	Greater than 0.75% of mass 198	4.88
441	Present, but less than mass 443	7.7
442	40.0 - 110.0% of mass 198	81.1
443	15.0 - 24.0% of mass 442	16.0 (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	ABN CCAL	ABN 25	CC0803	08/03/06	0718
02	T4-B414-01-A	JQ33A	JQ33ADL	08/03/06	0851
03	T4-S3-01-D	JQ33M	JQ33MDL	08/03/06	0952
04	T4-S3-01-E	JQ33N	JQ33NDL	08/03/06	1053
05	T4-S3-01-F	JQ33O	JQ33ODL	08/03/06	1123
06	T4-S3-01-G	JQ33P	JQ33PDL	08/03/06	1154
07	T4-S3-01-H	JQ33Q	JQ33QDL	08/03/06	1224
08	T4-S3-01-G MS	JQ33PMS	JQ33PMS	08/03/06	1357
09	T4-S3-01-G MSD	JQ33PMSD	JQ33PMD	08/03/06	1427
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

Instrument ID: NT6 Project: T4 EARLY ACTION

DFTPP Injection Date: 08/08/06 DFTPP Injection Time: 1313

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	57.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	64.5
70	Less than 2.0% of mass 69	0.8 (1.2)1
127	25.0 - 75.0% of mass 198	51.8
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	8.0
275	10.0 - 30.0% of mass 198	28.9
365	Greater than 0.75% of mass 198	4.54
441	Present, but less than mass 443	9.9
442	40.0 - 110.0% of mass 198	62.5
443	15.0 - 24.0% of mass 442	12.4 (19.9)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	ABN CCAL	ABN 25	CC0808	08/08/06	1313
02	T4-B414-01-A	JQ33A	JQ33ADL2	08/08/06	2224
03	T4-S3-01-D	JQ33M	JQ33MDL2	08/08/06	2255
04	T4-S3-01-E	JQ33N	JQ33NDL2	08/08/06	2325
05	T4-S3-01-F	JQ33O	JQ33ODL2	08/08/06	2356
06	T4-S3-01-G	JQ33P	JQ33PDL2	08/09/06	0027
07	T4-S3-01-H	JQ33Q	JQ33QDL2	08/09/06	0057
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FORM V SV

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0801 Date Analyzed: 08/01/06

Instrument ID: NT6 Time Analyzed: 1157

		IS1(DCB) AREA	#	RT	#	IS2(NPT) AREA	#	RT	#	IS3(ANT) AREA	#	RT	#
	12 HOUR STD	203506		5.56		730969		7.60		404762		10.39	
	UPPER LIMIT	407012		6.06		1461938		8.10		809524		10.89	
	LOWER LIMIT	101753		5.06		365484		7.10		202381		9.89	
	CLIENT SAMP. NO.												
01	JQ33MBS1	186988		5.56		671366		7.59		381137		10.39	
02	JQ33LCSS1	191781		5.55		692469		7.60		402276		10.39	
03	T4-B414-01-B	211413		5.56		728250		7.60		400741		10.39	
04	T4-B414-01-C	208149		5.56		732796		7.60		405653		10.39	
05	T4-B414-02-A	212751		5.56		724654		7.60		405485		10.39	
06	T4-B414-02-B	232301		5.56		817678		7.60		463151		10.39	
07	T4-B414-02-C	233847		5.57		831962		7.60		469368		10.39	
08	T4-B414-03-A	236916		5.57		859783		7.60		484838		10.39	
09	T4-B414-03-B	249129		5.56		874788		7.60		493851		10.39	
10	T4-B414-03-C	221595		5.56		785969		7.60		440645		10.39	
11	T4-B414-04-A	255015		5.57		886187		7.60		485335		10.39	
12	T4-B414-04-B	237192		5.56		830129		7.60		467378		10.39	
13	T4-B414-04-C	269060		5.56		950873		7.60		529095		10.39	
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-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

ARI Job No: JQ33 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0801 Date Analyzed: 08/01/06

Instrument ID: NT6 Time Analyzed: 1157

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	594244	12.68	406863	16.86	618730	18.24
	UPPER LIMIT	1188488	13.18	813726	17.36	1237460	18.74
	LOWER LIMIT	297122	12.18	203432	16.36	309365	17.74
	CLIENT SAMP. NO.						
01	JQ33MBS1	580853	12.67	379965	16.85	519306	18.23
02	JQ33LCSS1	611175	12.68	402497	16.86	586633	18.23
03	T4-B414-01-B	585070	12.69	674418	16.90	967389	18.26
04	T4-B414-01-C	634718	12.69	858392*	16.90	1275292*	18.27
05	T4-B414-02-A	615956	12.68	700072	16.89	1032998	18.26
06	T4-B414-02-B	696083	12.68	685205	16.88	1011424	18.25
07	T4-B414-02-C	722457	12.69	813674	16.92	1118797	18.28
08	T4-B414-03-A	726901	12.69	768703	16.90	1075931	18.26
09	T4-B414-03-B	746358	12.69	771107	16.89	1102704	18.26
10	T4-B414-03-C	662910	12.68	735292	16.88	1104782	18.26
11	T4-B414-04-A	711563	12.69	749534	16.88	1135631	18.25
12	T4-B414-04-B	667128	12.68	586685	16.88	846499	18.25
13	T4-B414-04-C	778809	12.68	771108	16.88	1127809	18.25
14							
15							
16							
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19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 = Di-n-octylphthalate-d4

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0801 Date Analyzed: 08/01/06

Instrument ID: NT6 Time Analyzed: 1157

		IS7 (PRY) AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	432016	18.95				
	UPPER LIMIT	864032	19.45				
	LOWER LIMIT	216008	18.45				
	CLIENT SAMP. NO.						
01	JQ33MBS1	287496	18.94				
02	JQ33LCSS1	333412	18.94				
03	T4-B414-01-B	750807	19.01				
04	T4-B414-01-C	976453*	19.01				
05	T4-B414-02-A	777493	18.99				
06	T4-B414-02-B	749012	18.97				
07	T4-B414-02-C	861212	19.03				
08	T4-B414-03-A	857008	19.00				
09	T4-B414-03-B	877156*	18.99				
10	T4-B414-03-C	831006	18.98				
11	T4-B414-04-A	855832	18.98				
12	T4-B414-04-B	663098	18.97				
13	T4-B414-04-C	872188*	18.98				
14							
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21							
22							

IS7 (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-3

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0803 Date Analyzed: 08/03/06

Instrument ID: NT6 Time Analyzed: 0718

		IS1(DCB) AREA	#	RT	#	IS2(NPT) AREA	#	RT	#	IS3(ANT) AREA	#	RT	#
	12 HOUR STD	174091		5.49		604851		7.54		360439		10.33	
	UPPER LIMIT	348182		5.99		1209702		8.04		720878		10.83	
	LOWER LIMIT	87046		4.99		302426		7.04		180220		9.83	
	CLIENT SAMP. NO.												
01	T4-B414-01-A	176883		5.50		606589		7.55		379131		10.34	
02	T4-S3-01-D	186060		5.50		636326		7.55		387957		10.33	
03	T4-S3-01-E	180299		5.50		621736		7.55		379941		10.34	
04	T4-S3-01-F	190873		5.50		650184		7.54		391393		10.34	
05	T4-S3-01-G	197500		5.50		667645		7.54		404754		10.34	
06	T4-S3-01-H	186530		5.50		626979		7.55		373400		10.34	
07	T4-S3-01-G M	135532		5.50		474510		7.55		304015		10.35	
08	T4-S3-01-G M	140806		5.50		483695		7.55		306830		10.34	
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-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

ARI Job No: JQ33 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0803 Date Analyzed: 08/03/06

Instrument ID: NT6 Time Analyzed: 0718

		IS4(PHN) AREA	#	RT	#	IS5(CRY) AREA	#	RT	#	IS6 AREA	#	RT	#
	12 HOUR STD	578581		12.62		569907		16.80		833015		18.18	
	UPPER LIMIT	1157162		13.12		1139814		17.30		1666030		18.68	
	LOWER LIMIT	289290		12.12		284954		16.30		416508		17.68	
	CLIENT SAMP. NO.												
01	T4-B414-01-A	676941		12.62		1247695	*	16.83		1335277		18.20	
02	T4-S3-01-D	734904		12.63		1489837	*	16.85		1495751		18.20	
03	T4-S3-01-E	763968		12.64		2035591	*	16.88		1815121	*	18.22	
04	T4-S3-01-F	725631		12.63		1720845	*	16.86		1552168		18.21	
05	T4-S3-01-G	686643		12.63		1361791	*	16.84		1372600		18.21	
06	T4-S3-01-H	690529		12.63		1919930	*	16.89		1654910		18.22	
07	T4-S3-01-G M	739748		12.68		797955		17.08		972926		18.26	
08	T4-S3-01-G M	600698		12.65		943123		16.92		996580		18.23	
09													
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13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 = Di-n-octylphthalate-d4

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

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0803 Date Analyzed: 08/03/06

Instrument ID: NT6 Time Analyzed: 0718

		IS7(PRY) AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	596448	18.88				
	UPPER LIMIT	1192896	19.38				
	LOWER LIMIT	298224	18.38				
	CLIENT SAMP. NO.						
01	T4-B414-01-A	1344619*	18.93				
02	T4-S3-01-D	1536380*	18.95				
03	T4-S3-01-E	1831887*	19.00				
04	T4-S3-01-F	1573022*	18.97				
05	T4-S3-01-G	1503329*	18.95				
06	T4-S3-01-H	1501366*	19.00				
07	T4-S3-01-G M	247388*	19.16				
08	T4-S3-01-G M	513834	19.01				
09							
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17							
18							
19							
20							
21							
22							

IS7 (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-3

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

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

Instrument ID: NT6 Time Analyzed: 1313

		IS1(DCB) AREA	#	RT	#	IS2(NPT) AREA	#	RT	#	IS3(ANT) AREA	#	RT	#
	12 HOUR STD	284616		5.18		977404		7.25		544393		10.02	
	UPPER LIMIT	569232		5.68		1954808		7.75		1088786		10.52	
	LOWER LIMIT	142308		4.68		488702		6.75		272196		9.52	
	CLIENT SAMP. NO.												
01	T4-B414-01-A	240368		5.17		803640		7.24		461205		10.02	
02	T4-S3-01-D	277326		5.18		919016		7.24		534851		10.02	
03	T4-S3-01-E	273754		5.18		899719		7.24		524649		10.02	
04	T4-S3-01-F	282519		5.17		927925		7.24		542934		10.02	
05	T4-S3-01-G	278183		5.17		906855		7.24		537701		10.02	
06	T4-S3-01-H	270126		5.18		882589		7.24		511660		10.02	
07													
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22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-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

ARI Job No: JQ33 Project: T4 EARLY ACTION

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

Instrument ID: NT6 Time Analyzed: 1313

		IS4(PHN) AREA	#	RT	#	IS5(CRY) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	12 HOUR STD	824403		12.29		813838		16.45		837816		18.51	
	UPPER LIMIT	1648806		12.79		1627676		16.95		1675632		19.01	
	LOWER LIMIT	412202		11.79		406919		15.95		418908		18.01	
	CLIENT SAMP. NO.												
01	T4-B414-01-A	725211		12.29		970689		16.45		984600		18.52	
02	T4-S3-01-D	848832		12.29		1172991		16.45		1194264		18.53	
03	T4-S3-01-E	837085		12.29		1312553		16.46		1253359		18.54	
04	T4-S3-01-F	852078		12.29		1231170		16.46		1222579		18.53	
05	T4-S3-01-G	859359		12.29		1198973		16.45		1189512		18.53	
06	T4-S3-01-H	823530		12.29		1351083		16.46		1251971		18.54	
07													
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20													
21													
22													

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (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

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

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

Instrument ID: NT6 Time Analyzed: 1313

		IS7 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	1238353	17.85				
	UPPER LIMIT	2476706	18.35				
	LOWER LIMIT	619176	17.35				
	CLIENT SAMP. NO.						
01	T4-B414-01-A	1281104	17.85				
02	T4-S3-01-D	1522508	17.85				
03	T4-S3-01-E	1544766	17.86				
04	T4-S3-01-F	1498055	17.85				
05	T4-S3-01-G	1585821	17.85				
06	T4-S3-01-H	1560322	17.86				
07							
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20							
21							
22							

IS7 = Di-n-octylphthalate-d4

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-3

Semivolatile Organics
Sample Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ33

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS
Page 1 of 1

Sample ID: T4-B414-01-A
SAMPLE

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	38.6%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060803.b/jq33adl.d
Lab Smp Id: JQ33A Client Smp ID: T4-B414-01-A
Inj Date : 03-AUG-2006 08:51
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33A,5
Misc Info : 06-12923
Comment : 1ul Injection
Method : /chem1/nt6.i/20060803.b/SW846.m
Meth Date : 04-Aug-2006 12:15 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 2
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/4/06

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

Name	Value	Description
DF	5.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	91.10000	Weight of sample extracted (g)
M	44.80000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)	
$	1 2-Fluorophenol	112	3.435	3.405	(0.624)	50266	3.85114	382.9	
$	2 Phenol-d5	99	5.278	5.248	(0.959)	67095	4.24249	421.8	
	3 Phenol	94	Compound Not Detected.						
$	5 2-Chlorophenol-d4	132	5.224	5.216	(0.950)	54860	4.09102	406.8	
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.						
	6 2-Chlorophenol	128	Compound Not Detected.						
	7 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	8 1,4-Dichlorobenzene-d4	152	5.502	5.494	(1.000)	176883	20.0000		(M)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.						
$	10 1,2-Dichlorobenzene-d4	152	5.801	5.798	(1.054)	23900	2.76481	274.9	
	12 1,2-Dichlorobenzene	146	Compound Not Detected.						
	11 Benzyl alcohol	108	Compound Not Detected.						
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.						
	13 2-Methylphenol	108	Compound Not Detected.						
	17 Hexachloroethane	117	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.458	6.466	(0.856)	45933	2.79720	278.1
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	7.484	7.577	(0.992)	33637	4.60655	458.0(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.548	7.545	(1.000)	606589	20.0000	
	28 Naphthalene	128	7.570	7.577	(1.003)	94909	2.57375	255.9
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.691	8.688	(1.151)	77318	3.87665	385.5
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.365	9.367	(0.906)	90918	3.21168	319.3
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.337	10.334	(1.000)	379131	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.385	10.382	(1.005)	412515	16.9441	1685
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.641	10.643	(1.029)	181696	5.42435	539.3
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.181	11.178	(1.082)	328127	12.0759	1201
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.603	11.605	(1.122)	19219	5.27176	524.2
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.623	12.620	(1.000)	676941	20.0000	
	60 Phenanthrene	178	12.671	12.652	(1.004)	5326748	118.202 E	11750
	61 Anthracene	178	12.730	12.721	(1.008)	617875	13.6574	1358
	62 Carbazole	167	13.061	13.058	(1.035)	840426	23.0766	2294

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)	
63	Di-n-butylphthalate	149	13.889	13.886	(1.100)	27784	0.63690 LDL	63.33	(M)
64	Fluoranthene	202	14.562	14.522	(1.154)	10426387	234.668 E	23330	
65	Pyrene	202	14.883	14.848	(0.884)	8898934	84.6723 E	8419	
$ 66	Terphenyl-d14	244	15.273	15.264	(0.907)	127828	1.93463	192.4	
67	Butylbenzylphthalate	149	Compound Not Detected.						
68	Benzo(a)anthracene	228	16.812	16.782	(0.999)	8156583	86.5714 E	8608	
* 69	Chrysene-d12	240	16.833	16.798	(1.000)	1247695	20.0000		
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.						
71	Chrysene	228	16.892	16.840	(1.003)	10040093	107.235 E	10660	
72	bis(2-Ethylhexyl)phthalate	149	17.266	17.257	(0.949)	17497	0.51897 LDL	51.60	(M)
* 134	Di-n-octylphthalate-d4	153	18.200	18.181	(1.000)	1335277	20.0000		
73	Di-n-octylphthalate	149	Compound Not Detected.						
74	Benzo(b)fluoranthene	252	18.468	18.384	(0.975)	13698532	155.176 E	15430	(M)
75	Benzo(k)fluoranthene	252	18.468	18.416	(0.975)	6295803	68.9692	6858	(M)
76	Benzo(a)pyrene	252	18.879	18.801	(0.997)	9841968	115.834 E	11520	
* 77	Perylene-d12	264	18.932	18.881	(1.000)	1344619	20.0000		(M)
78	Indeno(1,2,3-cd)pyrene	276	20.279	20.200	(1.071)	8763262	84.7792 E	8430	
79	Dibenzo(a,h)anthracene	278	20.300	20.249	(1.072)	3761944	37.0505	3684	
80	Benzo(g,h,i)perylene	276	20.567	20.484	(1.086)	7625824	70.4547	7005	(M)
90	N-Nitrosodimethylamine	74	Compound Not Detected.						
91	Aniline	93	Compound Not Detected.						
93	Benzidine	184	Compound Not Detected.						
103	Pyridine	79	Compound Not Detected.						
105	1-methylnaphthalene	141	8.846	8.848	(1.172)	41143	1.97338	196.2	
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.						

(B) not reported

8/10/06

(B) not reported

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33adl.d
Lab Smp Id: JQ33A
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060803.b/SW846.m
Misc Info: 06-12923

Calibration Date: 03-AUG-2006
Calibration Time: 07:18
Client Smp ID: T4-B414-01-A
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	174091	87046	348182	176883	1.60
27 Naphthalene-d8	604851	302426	1209702	606589	0.29
42 Acenaphthene-d10	360439	180220	720878	379131	5.19
59 Phenanthrene-d10	578581	289290	1157162	676941	17.00
69 Chrysene-d12	569907	284954	1139814	1247695	118.93 <-
134 Di-n-octylphthala	833015	416508	1666030	1335277	60.29
77 Perylene-d12	596448	298224	1192896	1344619	125.44 <-

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.49	4.99	5.99	5.50	0.16
27 Naphthalene-d8	7.54	7.04	8.04	7.55	0.04
42 Acenaphthene-d10	10.33	9.83	10.83	10.34	0.03
59 Phenanthrene-d10	12.62	12.12	13.12	12.62	0.03
69 Chrysene-d12	16.80	16.30	17.30	16.83	0.21
134 Di-n-octylphthala	18.18	17.68	18.68	18.20	0.11
77 Perylene-d12	18.88	18.38	19.38	18.93	0.27

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

Analytical Resources, Inc.

RECOVERY REPORT

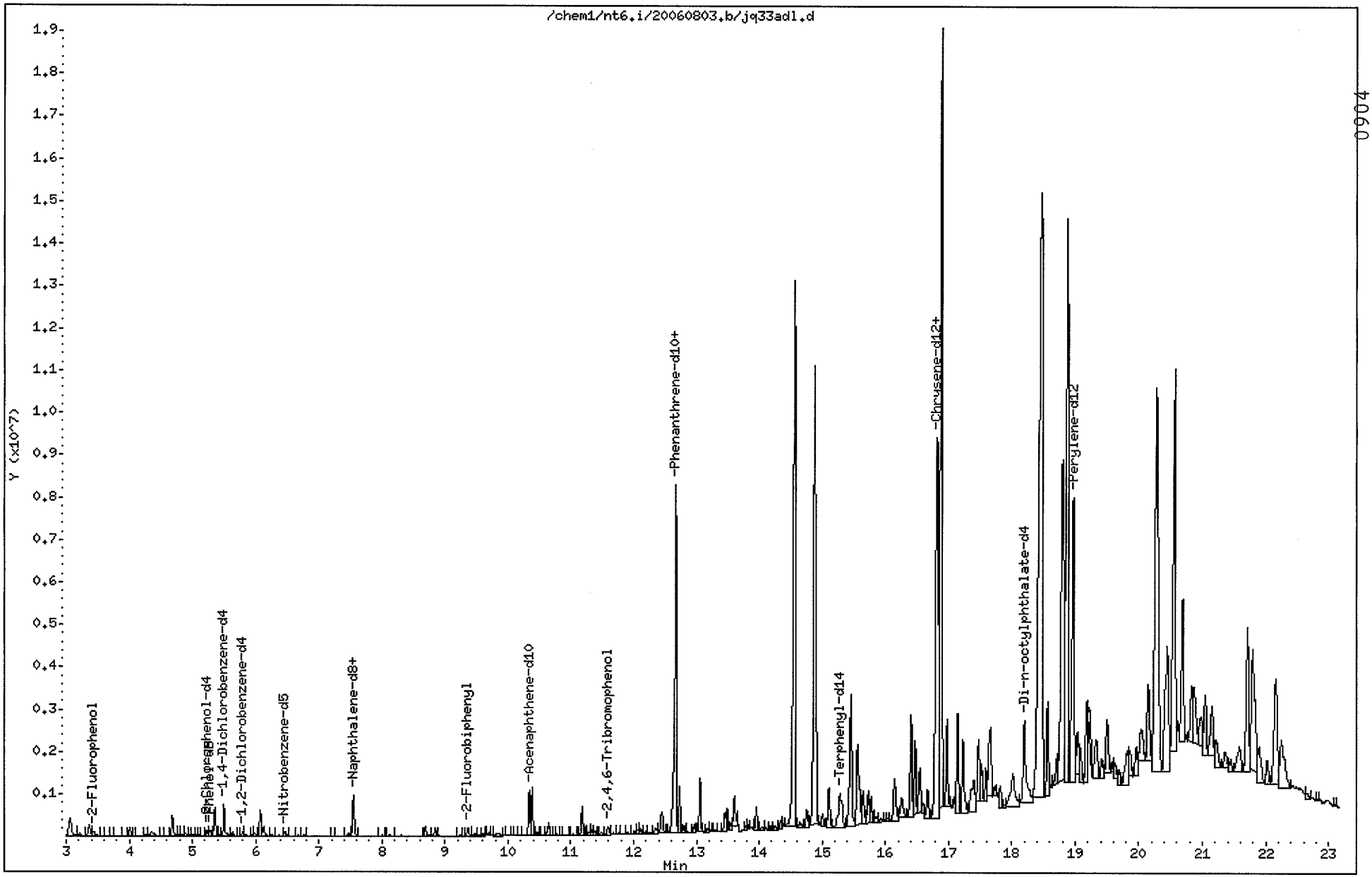
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33A
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060803.b/SW846.m
Misc Info: 06-12923

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

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	745.7	382.9	51.35	22-91
$ 2 Phenol-d5	745.7	421.8	56.57	26-99
$ 5 2-Chlorophenol-d4	745.7	406.8	54.55	29-96
$ 10 1,2-Dichlorobenzen	497.1	274.9	55.30	24-87
$ 18 Nitrobenzene-d5	497.1	278.1	55.94	27-101
$ 36 2-Fluorobiphenyl	497.1	319.3	64.23	30-100
$ 55 2,4,6-Tribromophen	745.7	524.2	70.29	20-114
$ 66 Terphenyl-d14	497.1	192.4	38.69	12-120

Data File: /chem1/nt6.i/20060803.b/jq33ad1.d
Date : 03-AUG-2006 08:51
Client ID: T4-B414-01-A
Sample Info: JQ33A,5
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



Data File: /chem1/nt6.i/20060803.b/jq33adl.d

Date : 03-AUG-2006 08:51

Client ID: T4-B414-01-A

Instrument: nt6.i

Sample Info: JQ33A,5

Volume Injected (uL): 1.0

Operator: LJR

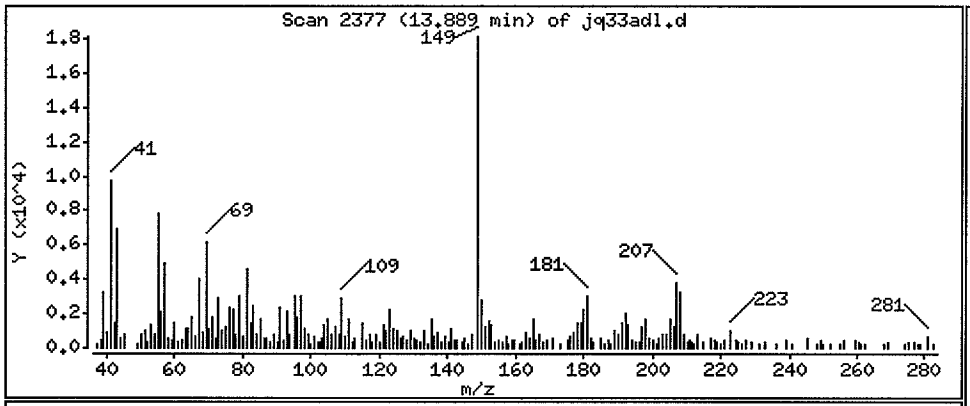
Column phase: ZB-5

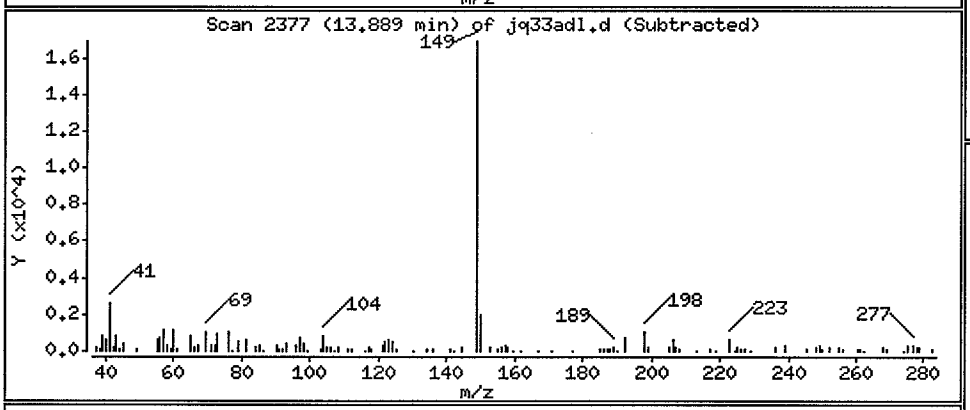
Column diameter: 0.32

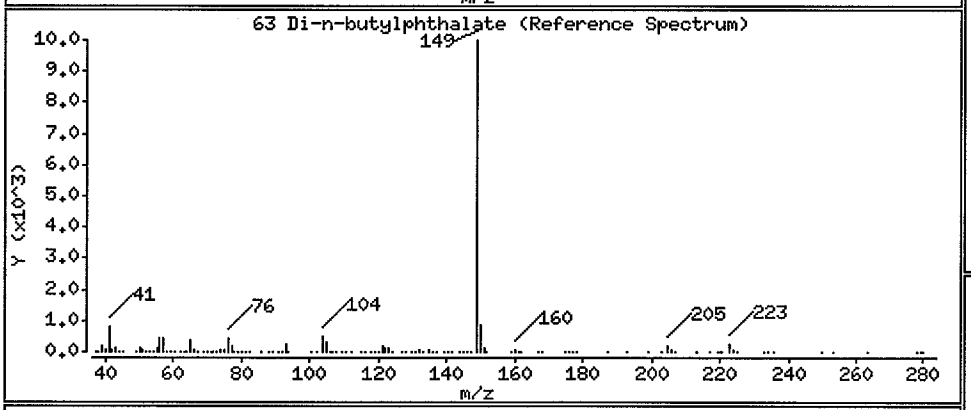
63 Di-n-butylphthalate

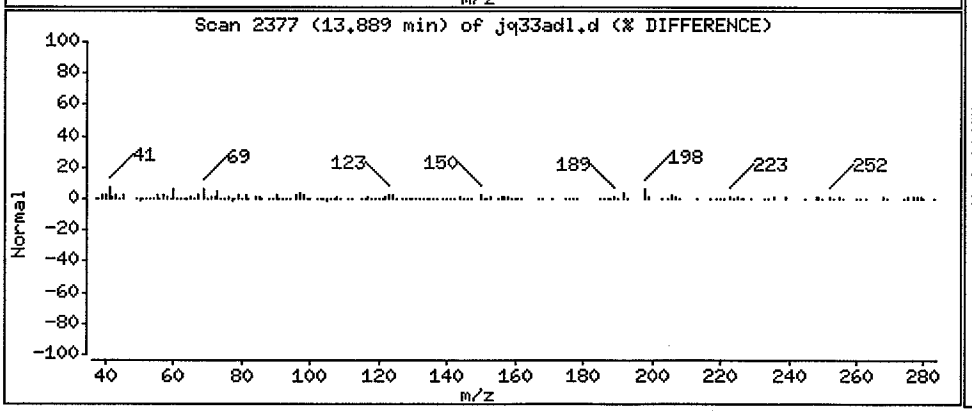
Concentration: 63.33 ug/kg

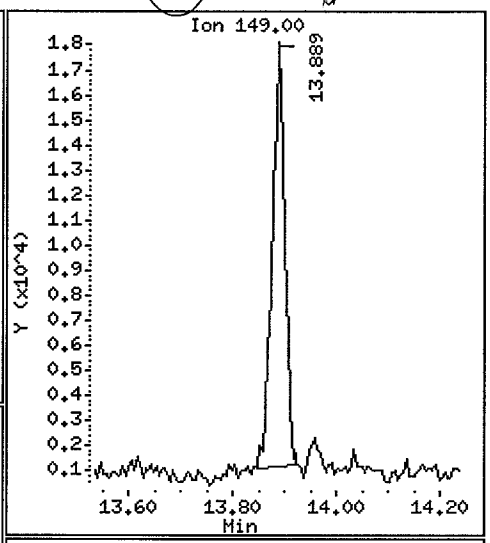
(B) 5 [illegible] NOT Reported BB 8/10/06

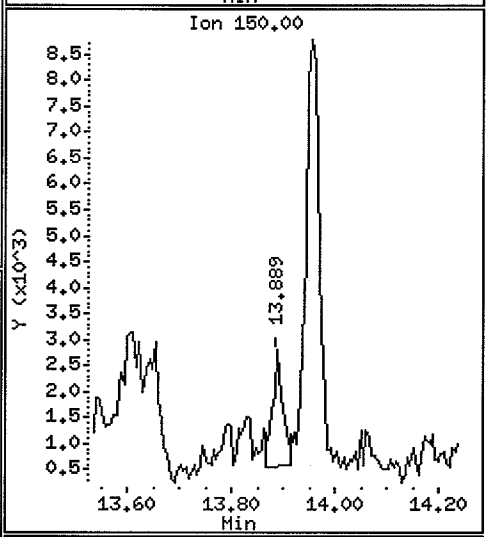


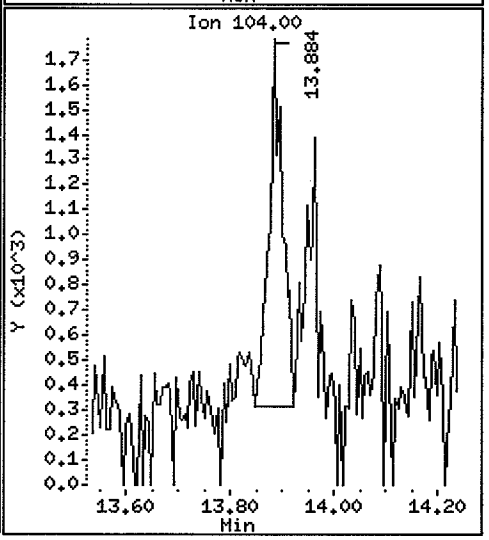












Data File: /chem1/nt6.i/20060803.b/jq33adl.d

Date : 03-AUG-2006 08:51

Client ID: T4-B414-01-A

Instrument: nt6.i

Sample Info: JQ33A,5

Volume Injected (uL): 1.0

Operator: LJR

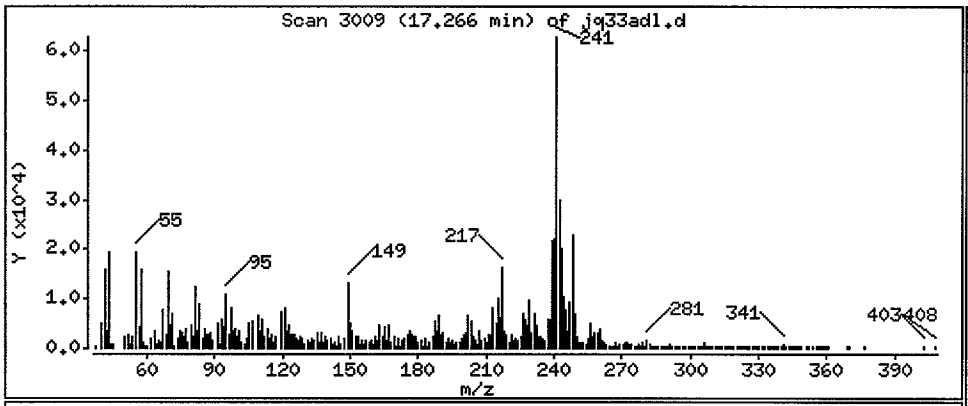
Column phase: ZB-5

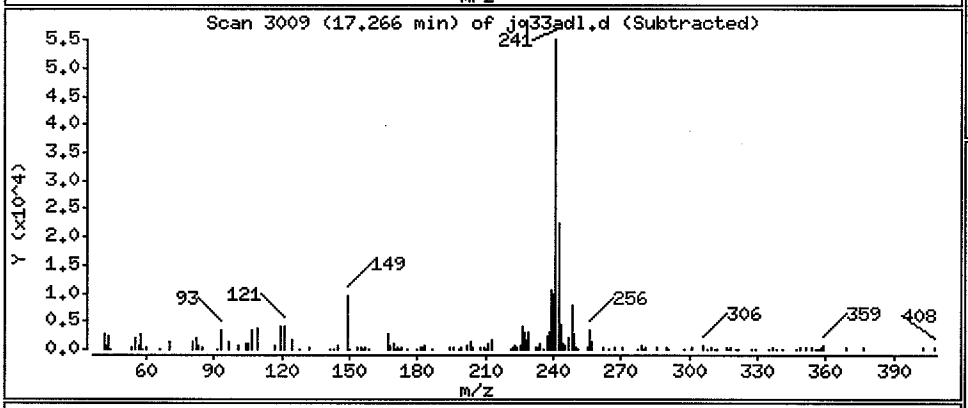
Column diameter: 0.32

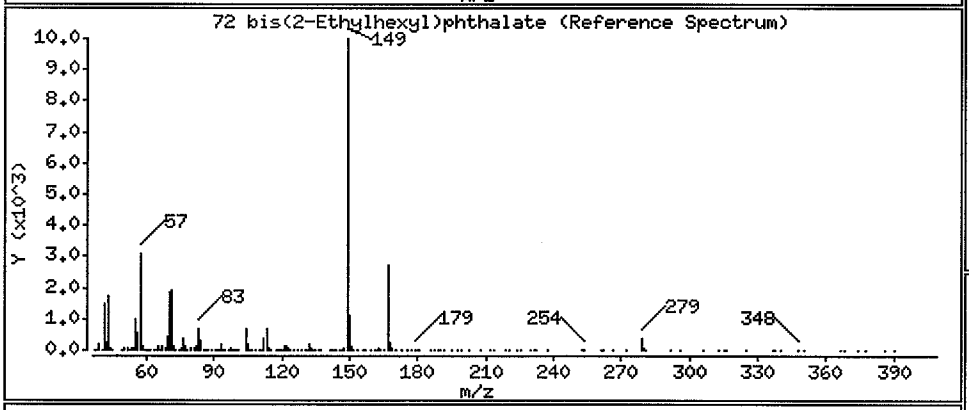
72 bis(2-Ethylhexyl)phthalate

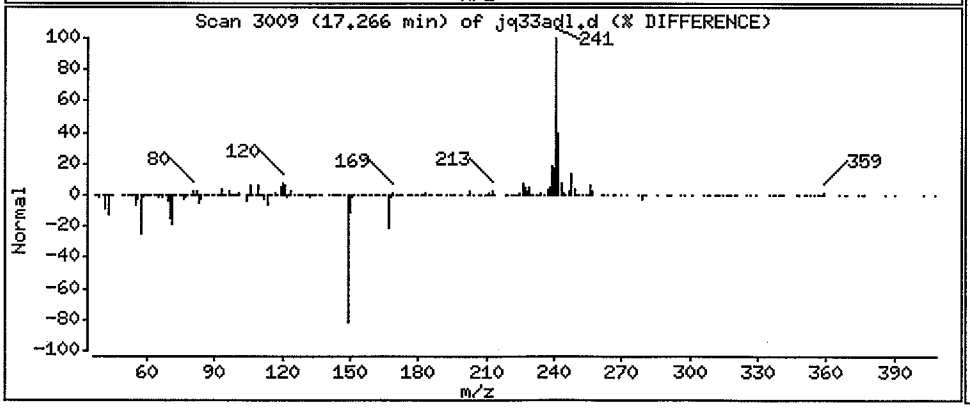
Concentration: 51.60 ug/kg

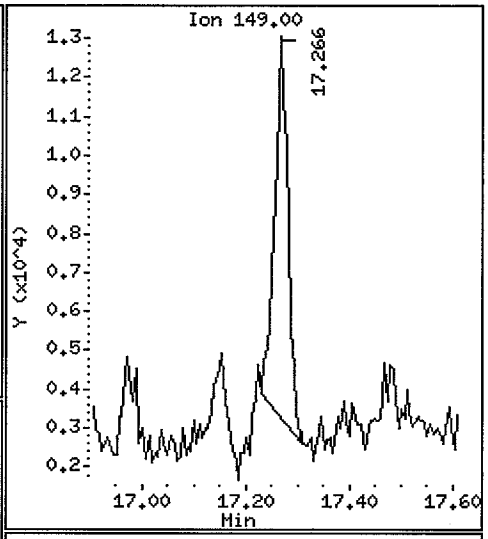
(B) cal not reported 8/10/06

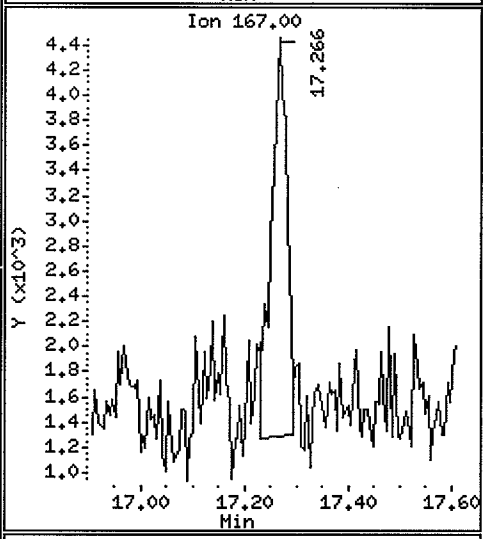


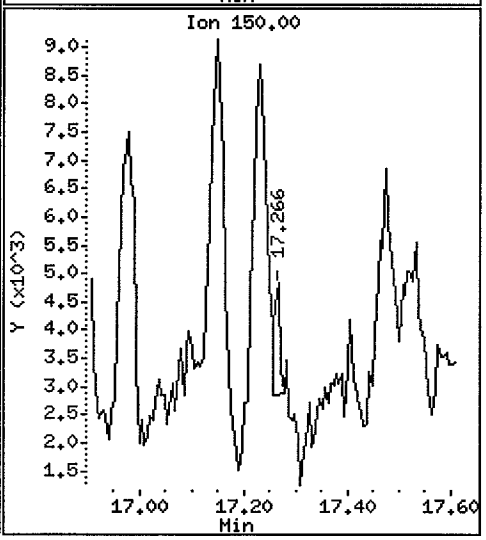




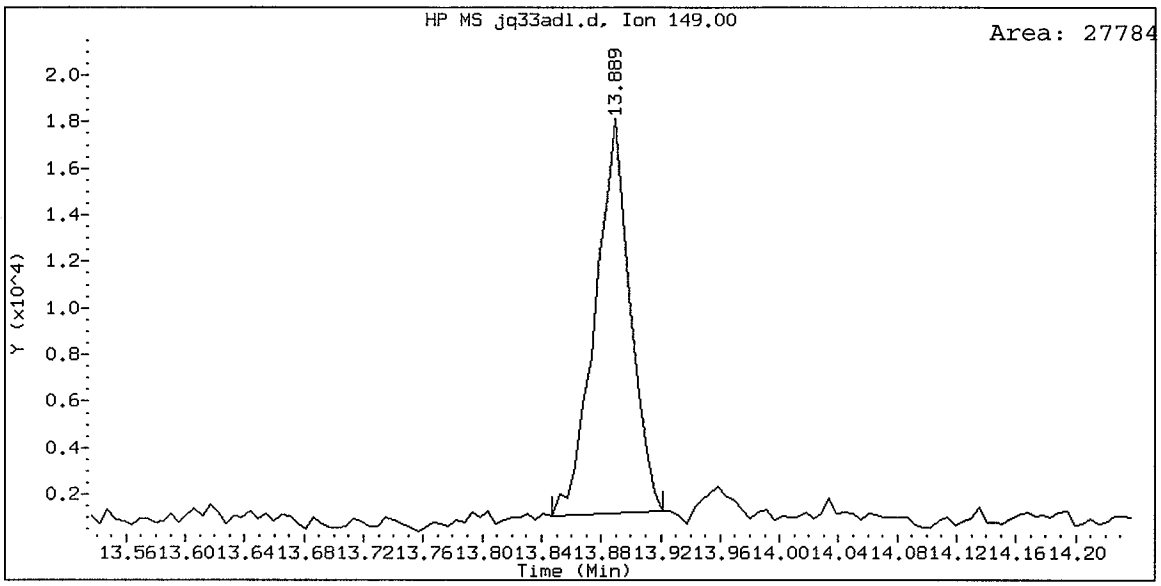


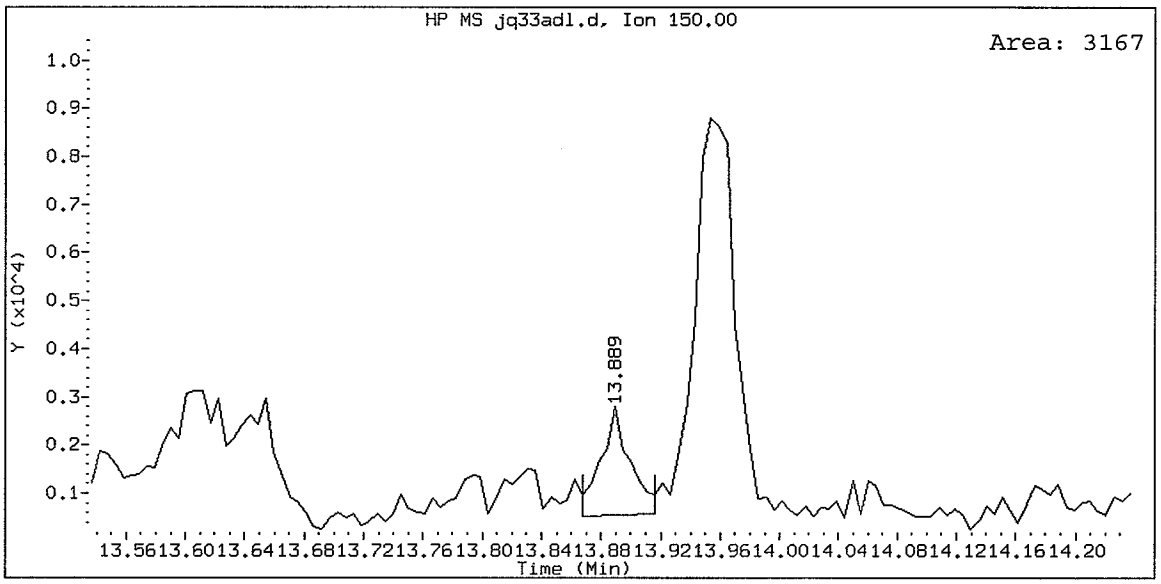


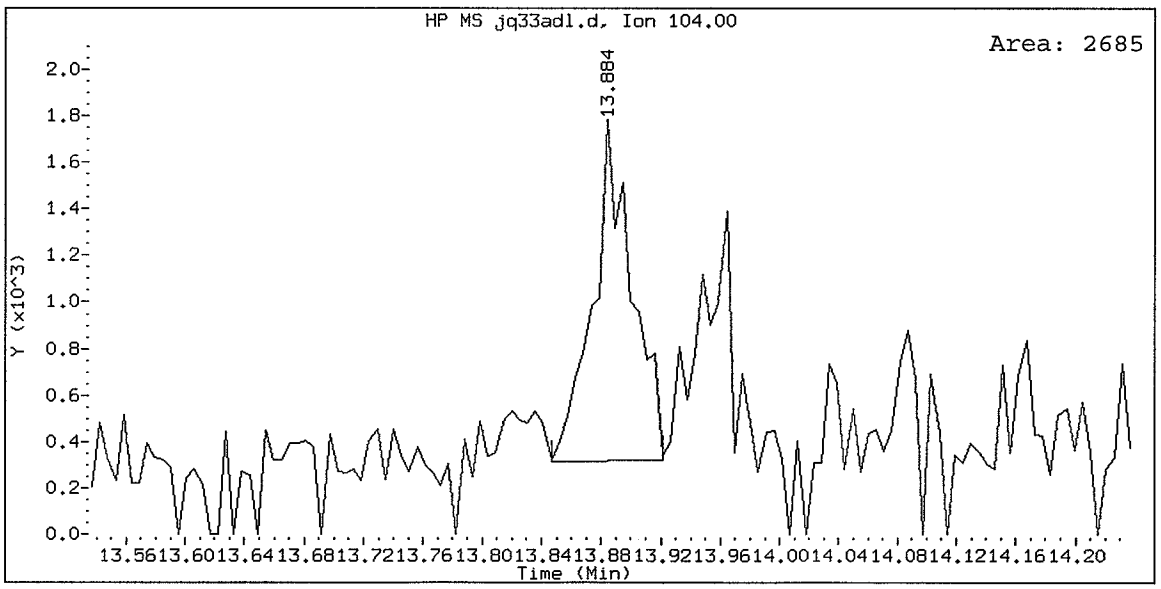




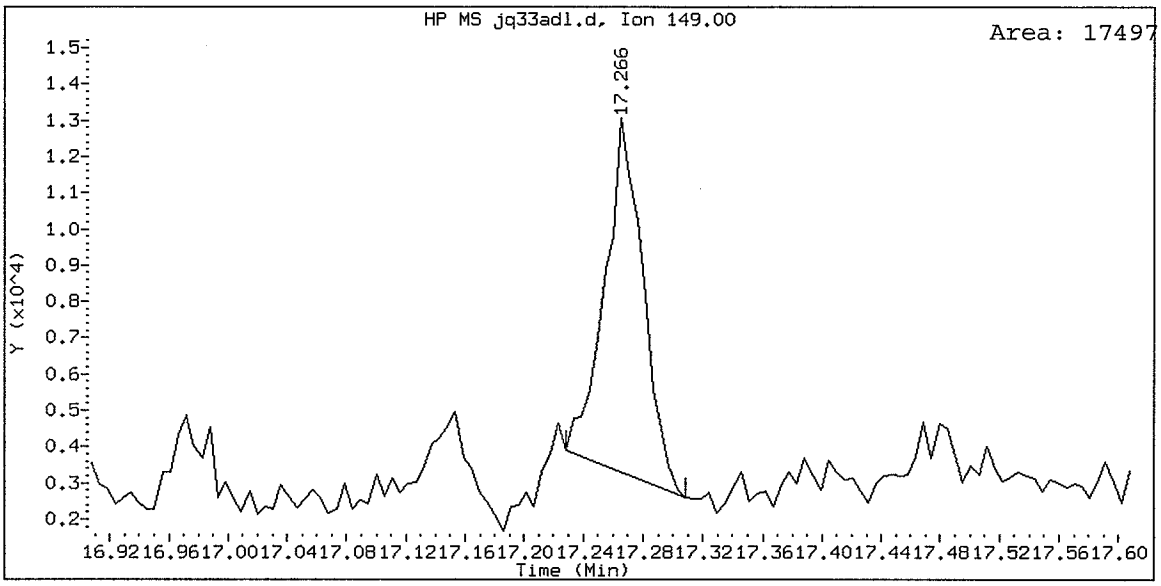
JQ33A, /chem1/nt6.i/20060803.b/jq33adl.d
Di-n-butylphthalate Amount: 0.64

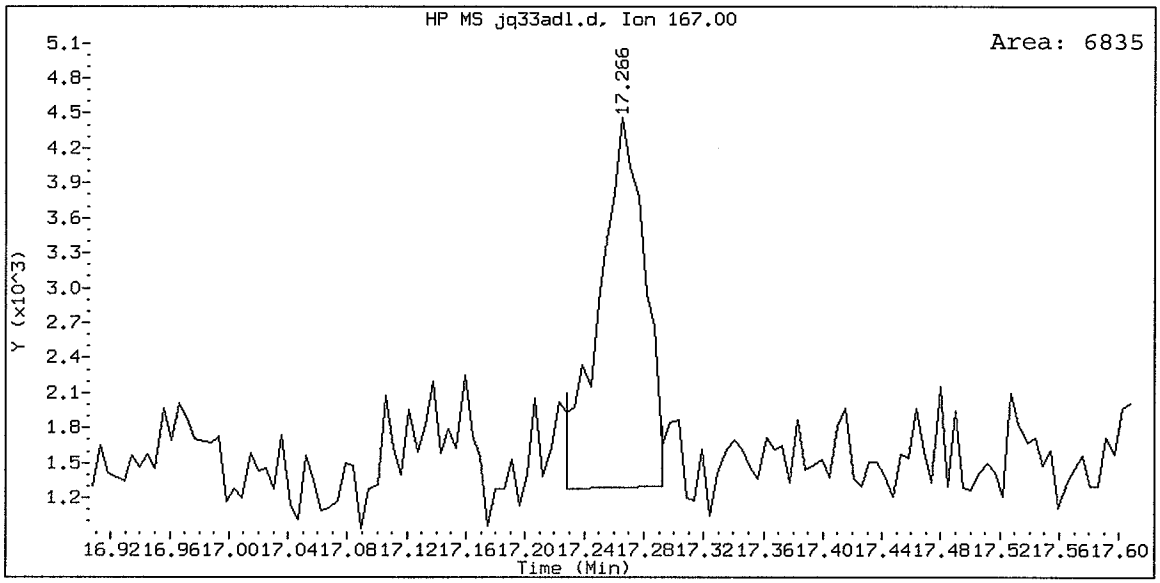


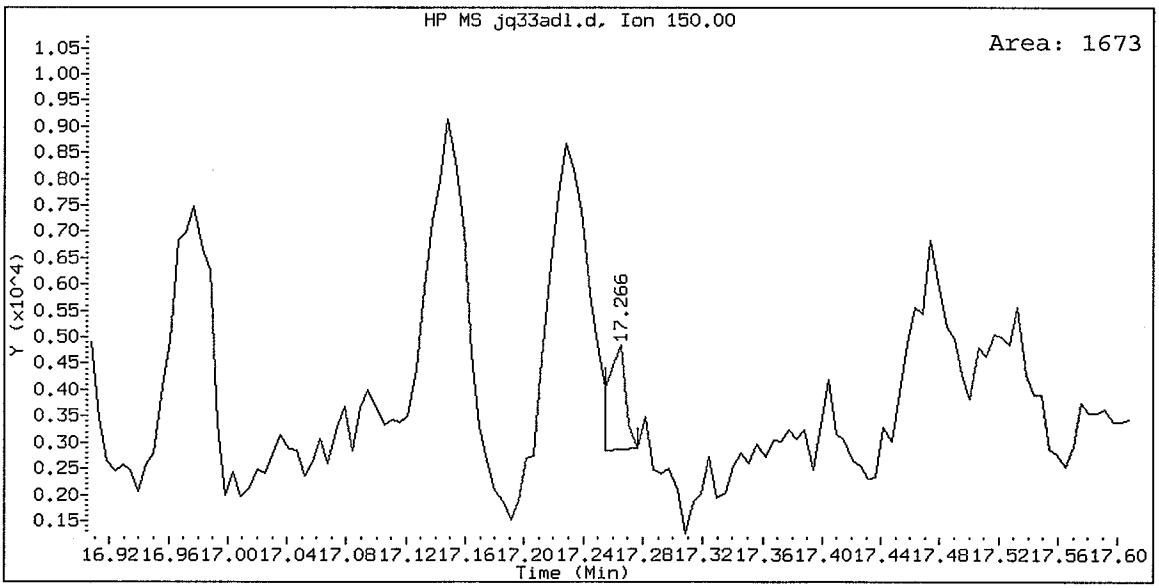




JQ33A, /chem1/nt6.i/20060803.b/jq33adl.d
bis(2-Ethylhexyl)phthalate Amount: 0.52







ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	54.4%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060808.b/jq33adl2.d
Lab Smp Id: JQ33A Client Smp ID: T4-B414-01-A
Inj Date : 08-AUG-2006 22:24
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33A,20
Misc Info : 06-12923
Comment : 1ul Injection
Method : /chem1/nt6.i/20060808.b/SW846.m LJR 8/10/06
Meth Date : 09-Aug-2006 13:41 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 18
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

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

Name	Value	Description
DF	20.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	91.10000	Weight of sample extracted (g)
M	44.80000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	2.961	2.956	(0.572)	20781	1.17163	466.0(M)
$ 2 Phenol-d5	99	4.965	4.965	(0.960)	24239	1.12786	448.6
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	4.901	4.896	(0.947)	22443	1.23159	489.8(M)
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.173	5.179	(1.000)	240368	20.0000	(M)
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.478	5.478	(1.059)	8947	0.76165	302.9(M)
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.161	6.167	(0.851)	20392	0.93733	372.8 (M)
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.241	7.246	(1.000)	803640	20.0000	
	28 Naphthalene	128	7.267	7.278	(1.004)	34790	0.71211 LOL	283.2
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.384	8.389	(1.158)	26481	1.00218 L	398.6
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.062	9.068	(0.905)	29169	0.84703	336.9
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.018	10.024	(1.000)	461205	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.067	10.072	(1.005)	131600	4.44336	1767
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.328	10.329	(1.031)	58889	1.44521	574.8
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	10.863	10.863	(1.084)	100495	3.04030	1209
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.285	11.290	(1.126)	5372	1.21131	481.8
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.289	12.294	(1.000)	725211	20.0000	
	60 Phenanthrene	178	12.326	12.327	(1.003)	1404561	29.0931	11570
	61 Anthracene	178	12.390	12.396	(1.008)	185191	3.82097	1520
	62 Carbazole	167	12.732	12.733	(1.036)	247729	6.34944	2525
	63 Di-n-butylphthalate	149	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64	Fluoranthene	202	14.191	14.180	(1.155)	3070233	64.5027	25650
65	Pyrene	202	14.506	14.501	(0.882)	2415411	29.5408	11750
$ 66	Terphenyl-d14	244	14.928	14.934	(0.907)	34778	0.67656	269.1
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	16.429	16.424	(0.999)	1947631	26.5706	10570
* 69	Chrysene-d12	240	16.450	16.445	(1.000)	970689	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	16.488	16.483	(1.002)	2563728	35.1963	14000
72	bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
* 134	Di-n-octylphthalate-d4	153	17.850	17.850	(1.000)	1281104	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	18.037	18.021	(0.974)	2313058	35.7830	14230(M)
75	Benzo(k)fluoranthene	252	18.037	18.048	(0.974)	2691540	40.2665	16010(M)
76	Benzo(a)pyrene	252	18.443	18.427	(0.996)	2159889	34.7157	13810
* 77	Perylene-d12	264	18.523	18.507	(1.000)	984600	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	19.837	19.827	(1.071)	1487946	19.6585	7818
79	Dibenzo(a,h)anthracene	278	19.875	19.875	(1.073)	585209	7.87104	3130
80	Benzo(g,h,i)perylene	276	20.104	20.099	(1.085)	1258249	15.8756	6314
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	8.549	8.550	(1.181)	14147	0.51217	203.7
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33adl2.d
Lab Smp Id: JQ33A
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060808.b/SW846.m
Misc Info: 06-12923

Calibration Date: 08-AUG-2006
Calibration Time: 13:13
Client Smp ID: T4-B414-01-A
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	284616	142308	569232	240368	-15.55
27 Naphthalene-d8	977404	488702	1954808	803640	-17.78
42 Acenaphthene-d10	544393	272196	1088786	461205	-15.28
59 Phenanthrene-d10	824403	412202	1648806	725211	-12.03
69 Chrysene-d12	813838	406919	1627676	970689	19.27
134 Di-n-octylphthala	1238353	619176	2476706	1281104	3.45
77 Perylene-d12	837816	418908	1675632	984600	17.52

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.18	4.68	5.68	5.17	-0.11
27 Naphthalene-d8	7.25	6.75	7.75	7.24	-0.08
42 Acenaphthene-d10	10.02	9.52	10.52	10.02	-0.06
59 Phenanthrene-d10	12.29	11.79	12.79	12.29	-0.05
69 Chrysene-d12	16.45	15.95	16.95	16.45	0.03
134 Di-n-octylphthala	17.85	17.35	18.35	17.85	0.00
77 Perylene-d12	18.51	18.01	19.01	18.52	0.08

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

Analytical Resources, Inc.

RECOVERY REPORT

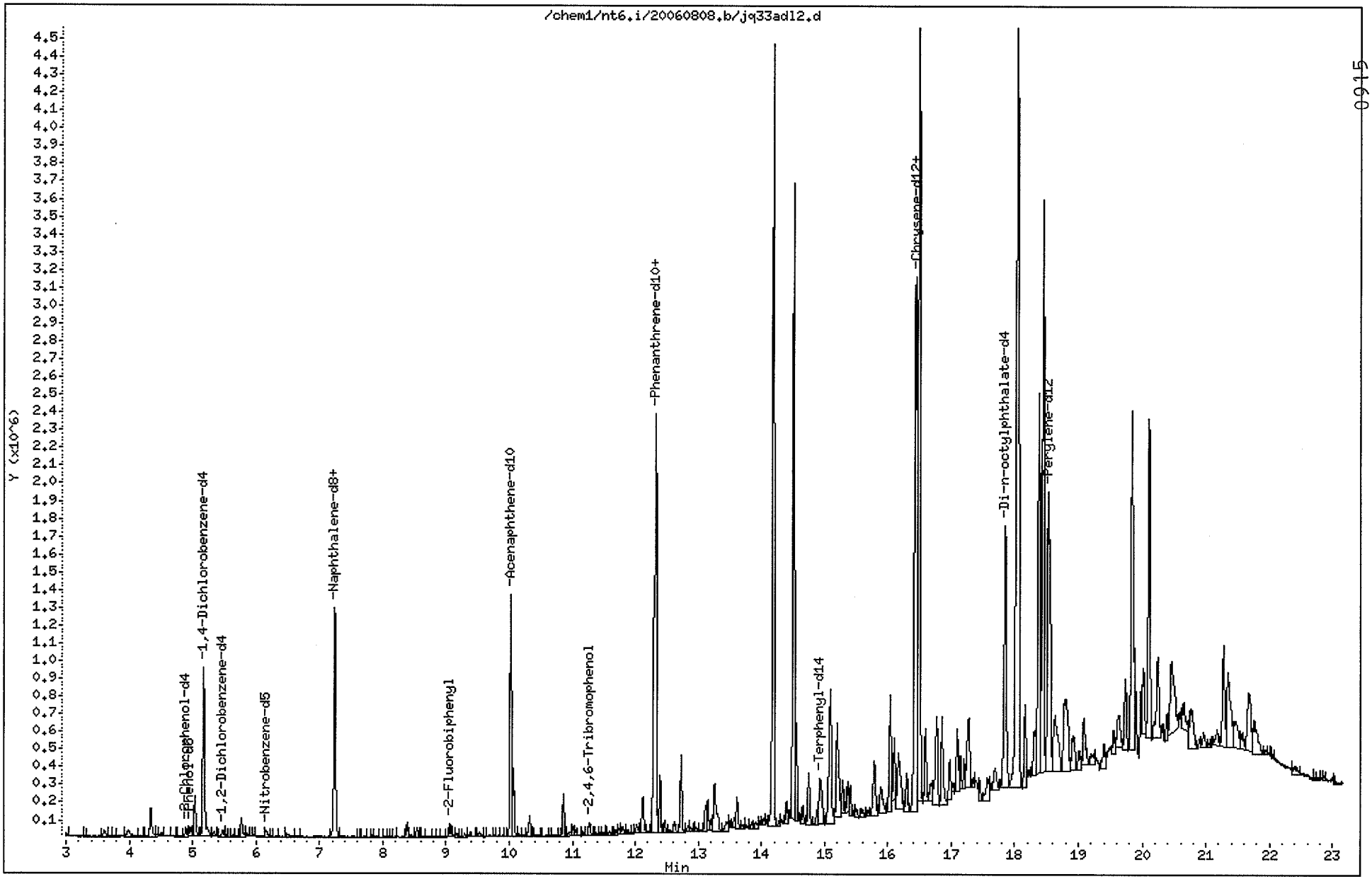
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33A
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060808.b/SW846.m
Misc Info: 06-12923

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

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	745.7	466.0	62.49	22-91
$ 2 Phenol-d5	745.7	448.6	60.15	26-99
$ 5 2-Chlorophenol-d4	745.7	489.8	65.68	29-96
$ 10 1,2-Dichlorobenzen	497.1	302.9	60.93	24-87
$ 18 Nitrobenzene-d5	497.1	372.8	74.99	27-101
$ 36 2-Fluorobiphenyl	497.1	336.9	67.76	30-100
$ 55 2,4,6-Tribromophen	745.7	481.8	64.60	20-114
$ 66 Terphenyl-d14	497.1	269.1	54.12	12-120

Data File: /chem1/nt6.i/20060808.b/jq33ad12.d
Date : 08-AUG-2006 22:24
Client ID: T4-B414-01-A
Sample Info: JQ33A,20
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	50.4%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060801.b/jq33b.d
Lab Smp Id: JQ33B Client Smp ID: T4-B414-01-B
Inj Date : 01-AUG-2006 17:03
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33B
Misc Info : 06-12924
Comment : 1ul Injection
Method : /chem1/nt6.i/20060801.b/SW846.m
Meth Date : 03-Aug-2006 13:22 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/3/06

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	97.00000	Weight of sample extracted (g)
M	48.20000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	3.556	3.485	(0.639)	348500	22.3395	444.6 (M)
$	2 Phenol-d5	99	5.383	5.307	(0.967)	427580	22.6205	450.2
	3 Phenol	94	5.410	5.323	(0.972)	20895	0.88712 LDL	17.66
$	5 2-Chlorophenol-d4	132	5.297	5.275	(0.952)	338193	21.1006	419.9
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	5.565	5.558	(1.000)	211413	20.0000	(M)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.858	5.852	(1.053)	133624	12.9232	257.4 (M)
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	6.515	6.498	(1.171)	9375	0.58657 LDL	11.67
$	18 Nitrobenzene-d5	82	6.521	6.520	(0.858)	281913	14.2997	284.6
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	7.627	7.647	(1.004)	198629	22.6577	450.9(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.600	7.599	(1.000)	728250	20.0000	
	28 Naphthalene	128	7.627	7.631	(1.004)	183074	4.13523	82.30
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.743	8.742	(1.150)	88291	3.68729	73.38
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.416	9.421	(0.906)	446473	14.9212	297.0
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.394	10.393	(1.000)	400741	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.442	10.441	(1.005)	399164	15.5116	308.7
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.698	10.703	(1.029)	138042	3.89887	77.60
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.238	11.237	(1.081)	244109	8.49937	169.2
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.660	11.659	(1.122)	94230	24.4534	486.7(M)
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.686	12.679	(1.000)	585070	20.0000	(M)
	60 Phenanthrene	178	12.728	12.711	(1.003)	2688105	69.0165	1374
	61 Anthracene	178	12.787	12.781	(1.008)	426959	10.9193	217.3
	62 Carbazole	167	13.118	13.112	(1.034)	511338	16.2451	323.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	13.946	13.940	(1.099)	72562	1.92456 B	38.30
64	Fluoranthene	202	14.619	14.586	(1.152)	5310927	138.304 E	2753
65	Pyrene	202	14.940	14.912	(0.884)	4587857	80.7593 E	1607
$ 66	Terphenyl-d14	244	15.341	15.329	(0.908)	449098	12.5745	250.3
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	16.879	16.846	(0.999)	3746549	73.5660	1464
* 69	Chrysene-d12	240	16.901	16.862	(1.000)	674418	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	16.949	16.900	(1.003)	4374471	86.4374 E	1720
72	bis(2-Ethylhexyl)phthalate	149	17.333	17.316	(0.949)	68336	2.79770 B	55.68 (M)
* 134	Di-n-octylphthalate-d4	153	18.263	18.235	(1.000)	967389	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	18.519	18.449	(0.974)	5046296	102.375 E	2037 (M)
75	Benzo(k)fluoranthene	252	18.530	18.481	(0.975)	4218937	82.7710 E	1647 (M)
76	Benzo(a)pyrene	252	18.941	18.860	(0.997)	4421121	93.1878 E	1855
* 77	Perylene-d12	264	19.005	18.946	(1.000)	750807	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	20.346	20.270	(1.071)	3293735	57.0660	1136
79	Dibenzo(a,h)anthracene	278	20.378	20.319	(1.072)	1308839	23.0855	459.4
80	Benzo(g,h,i)perylene	276	20.635	20.548	(1.086)	2862949	47.3705	942.8
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	8.903	8.902	(1.172)	52421	2.09428	41.68
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33b.d
Lab Smp Id: JQ33B
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12924

Calibration Date: 01-AUG-2006
Calibration Time: 11:57
Client Smp ID: T4-B414-01-B
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	203506	101753	407012	211413	3.89
27 Naphthalene-d8	730969	365484	1461938	728250	-0.37
42 Acenaphthene-d10	404762	202381	809524	400741	-0.99
59 Phenanthrene-d10	594244	297122	1188488	585070	-1.54
69 Chrysene-d12	406863	203432	813726	674418	65.76
134 Di-n-octylphthala	618730	309365	1237460	967389	56.35
77 Perylene-d12	432016	216008	864032	750807	73.79

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.56	5.06	6.06	5.56	0.11
27 Naphthalene-d8	7.60	7.10	8.10	7.60	0.01
42 Acenaphthene-d10	10.39	9.89	10.89	10.39	0.01
59 Phenanthrene-d10	12.68	12.18	13.18	12.69	0.05
69 Chrysene-d12	16.86	16.36	17.36	16.90	0.23
134 Di-n-octylphthala	18.24	17.74	18.74	18.26	0.15
77 Perylene-d12	18.95	18.45	19.45	19.01	0.32

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

Analytical Resources, Inc.

RECOVERY REPORT

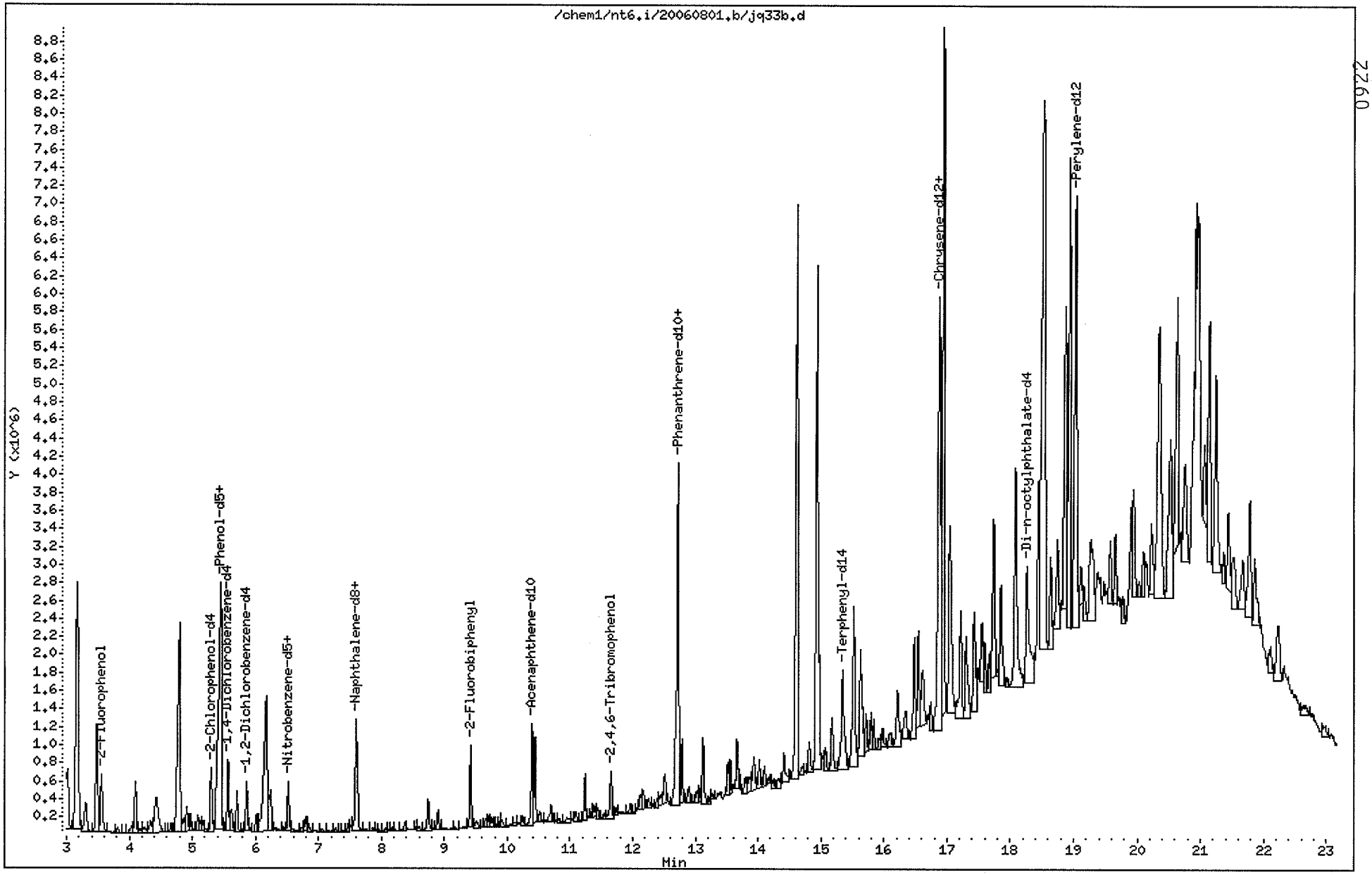
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33B
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12924

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

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	746.3	444.6	59.57	22-91
$ 2 Phenol-d5	746.3	450.2	60.32	26-99
$ 5 2-Chlorophenol-d4	746.3	419.9	56.27	29-96
$ 10 1,2-Dichlorobenzen	497.6	257.4	51.73	24-87
$ 18 Nitrobenzene-d5	497.6	284.6	57.20	27-101
$ 36 2-Fluorobiphenyl	497.6	297.0	59.68	30-100
$ 55 2,4,6-Tribromophen	746.3	486.7	65.21	20-114
$ 66 Terphenyl-d14	497.6	250.3	50.30	12-120

Data File: /chem1/nt6.i/20060801.b/jq33b.d
Date : 01-AUG-2006 17:03
Client ID: T4-B414-01-B
Sample Info: JQ33B
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



Data File: /chem1/nt6.i/20060801.b/jq33b.d

Date : 01-AUG-2006 17:03

Client ID: T4-B414-01-B

Instrument: nt6.i

Sample Info: JQ33B

Volume Injected (uL): 1.0

Operator: LJR

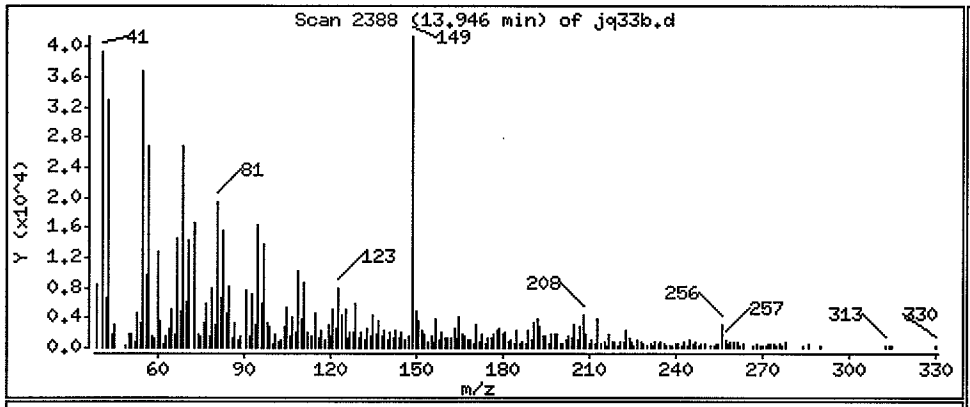
Column phase: ZB-5

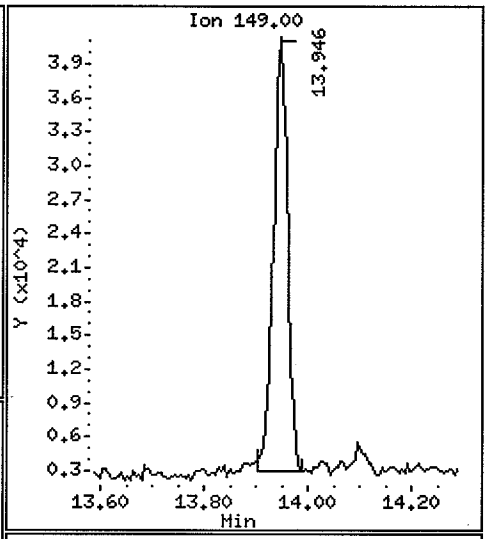
Column diameter: 0.32

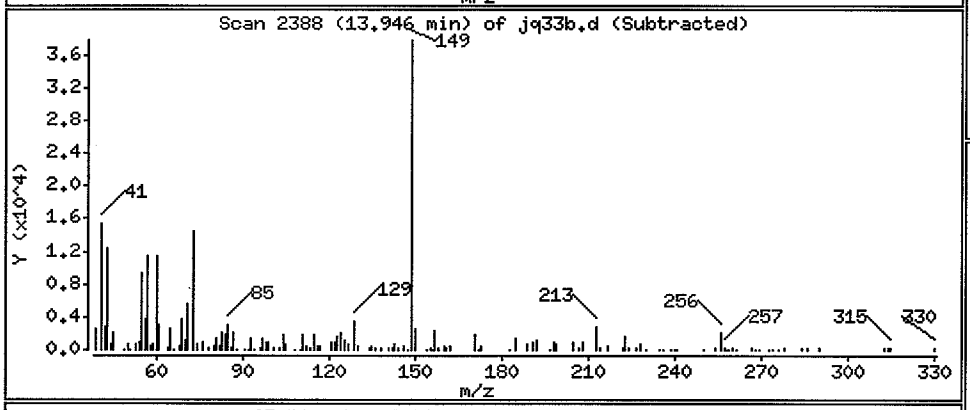
63 Di-n-butylphthalate

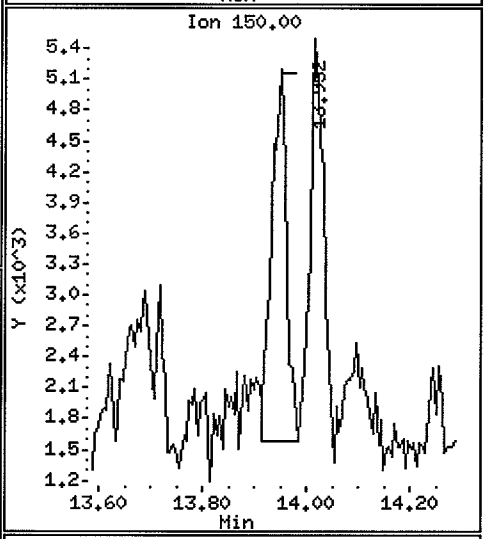
Concentration: 38.30 ug/kg

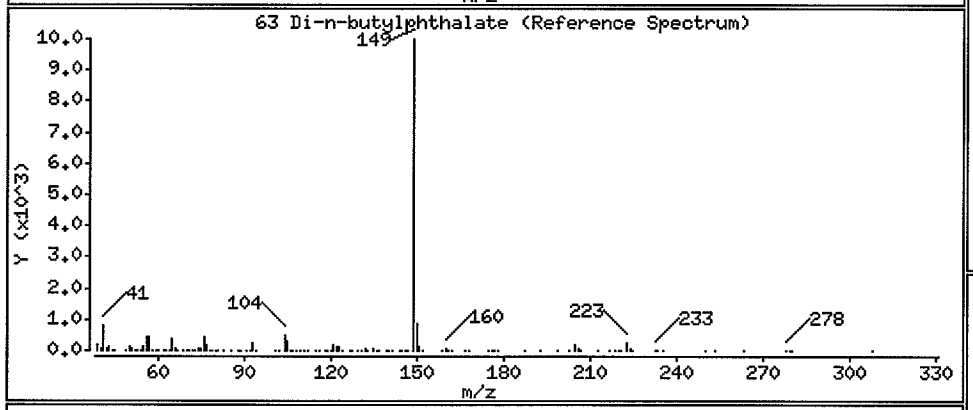
B

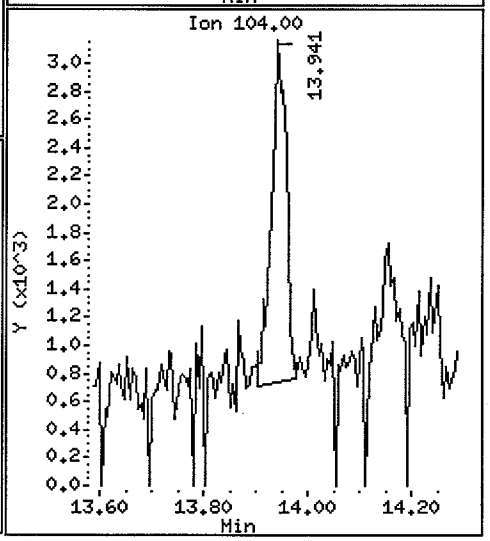


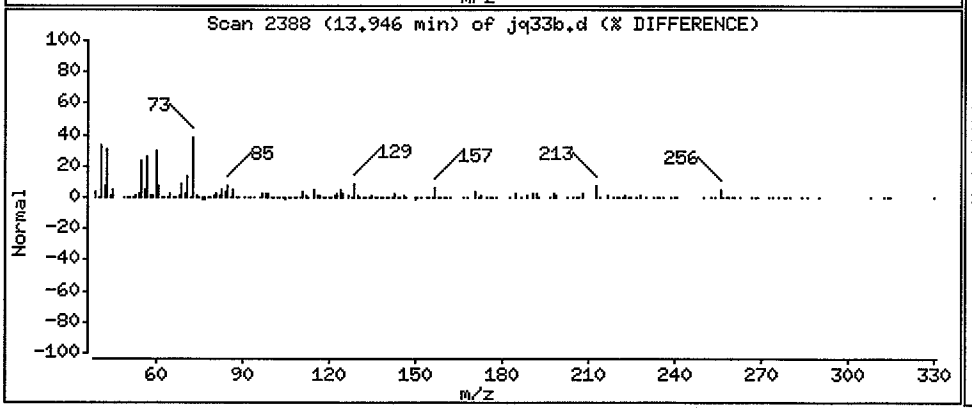












Data File: /chem1/nt6.i/20060801.b/jq33b.d

Date : 01-AUG-2006 17:03

Client ID: T4-B414-01-B

Instrument: nt6.i

Sample Info: JQ33B

Volume Injected (uL): 1.0

Operator: LJR

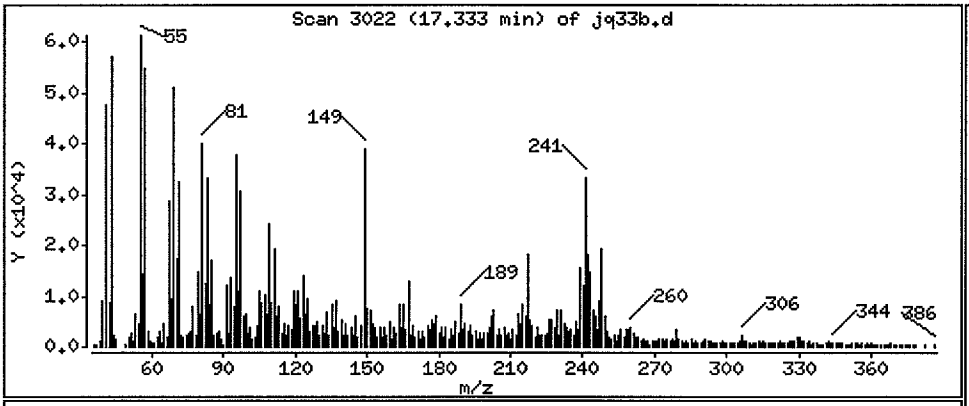
Column phase: ZB-5

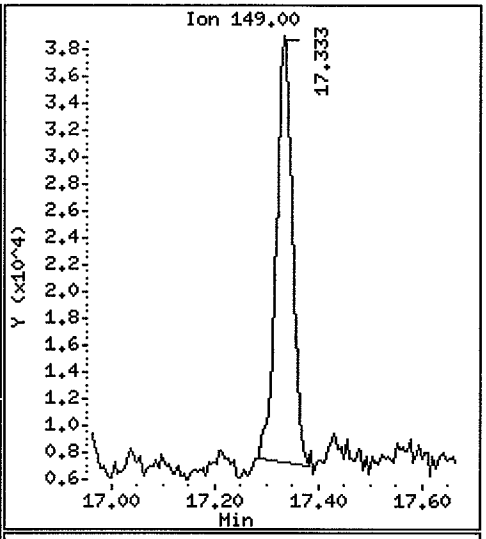
Column diameter: 0.32

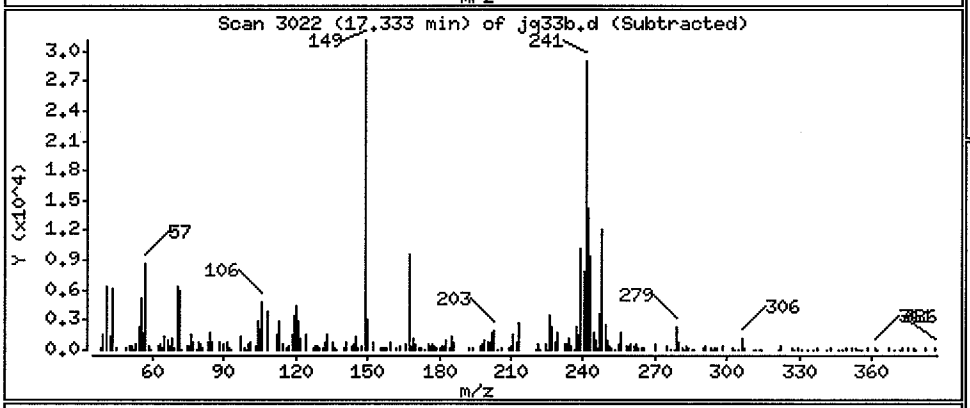
72 bis(2-Ethylhexyl)phthalate

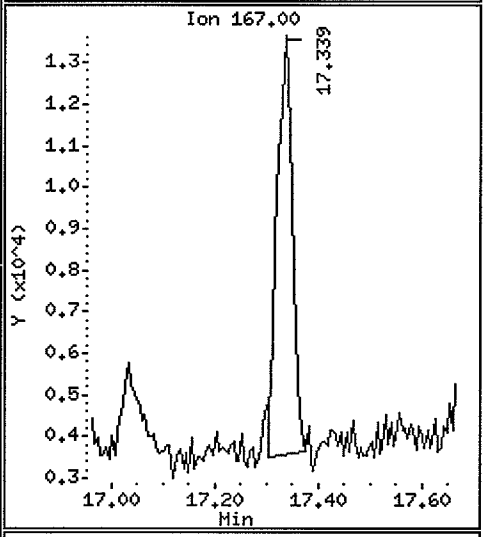
Concentration: 55.68 ug/kg

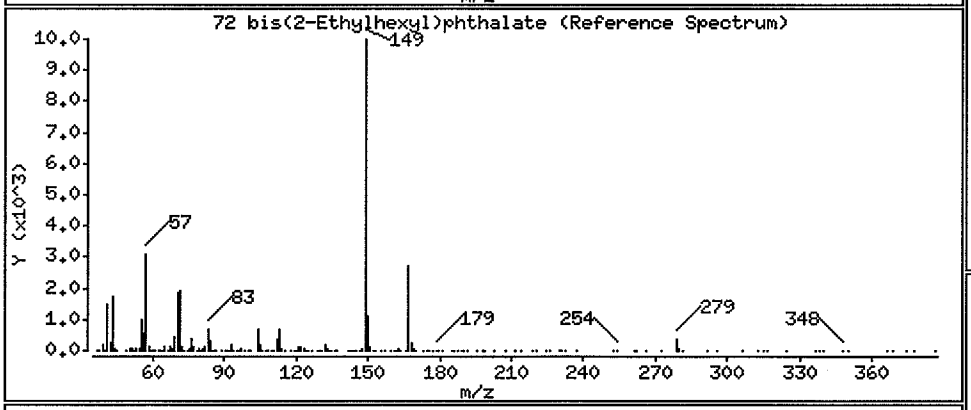
B

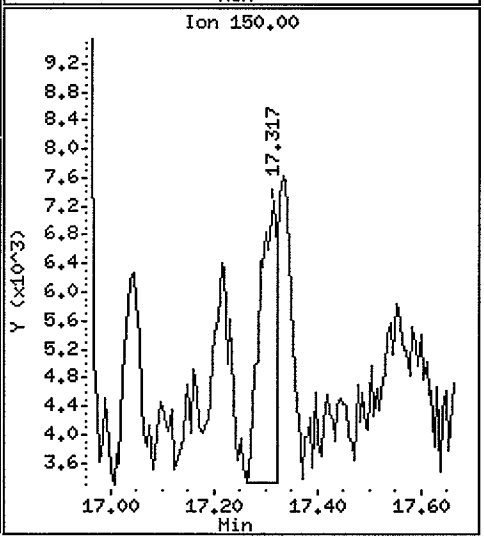


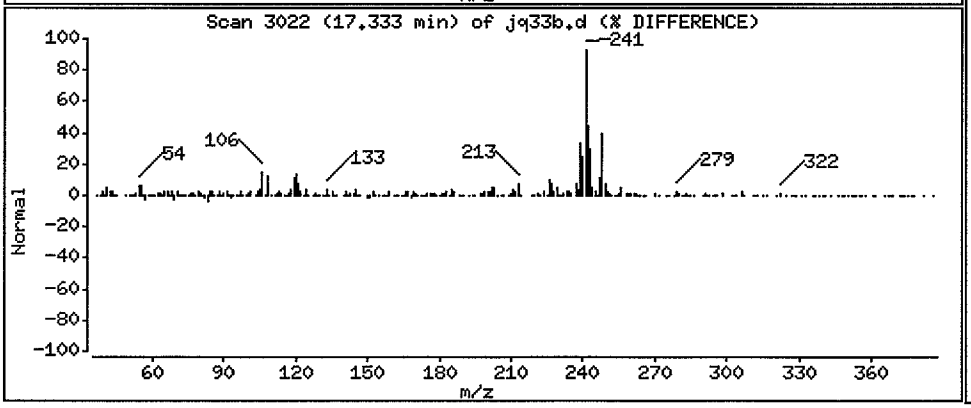




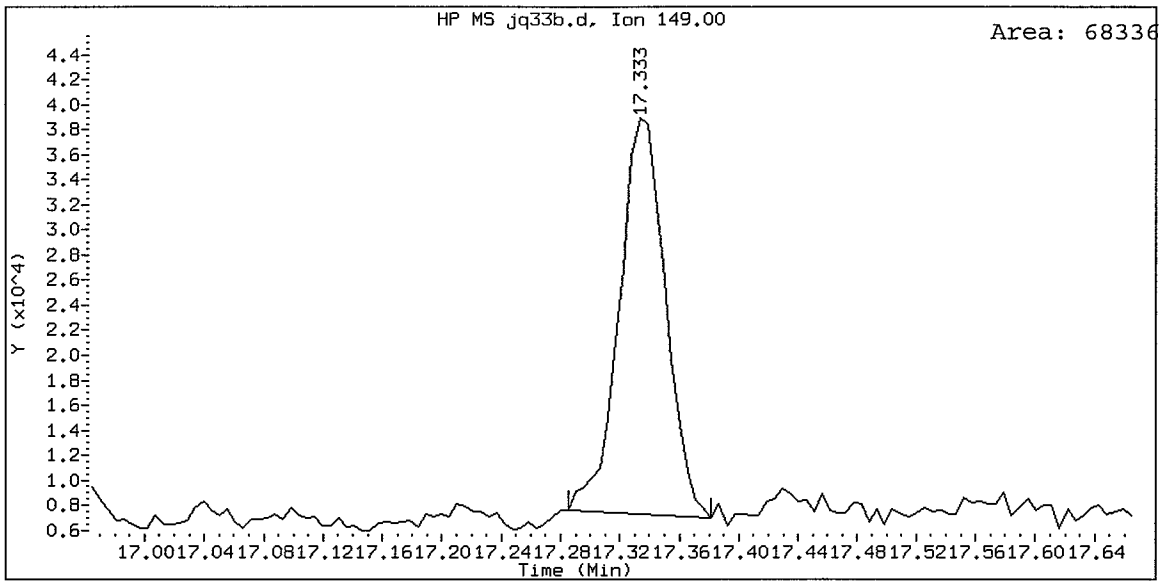


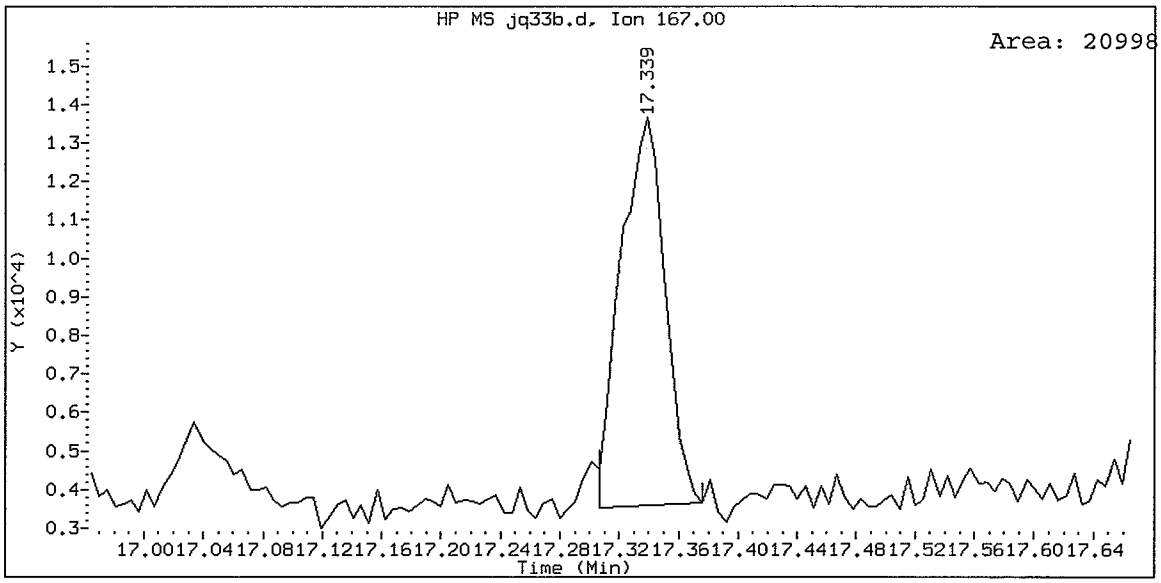


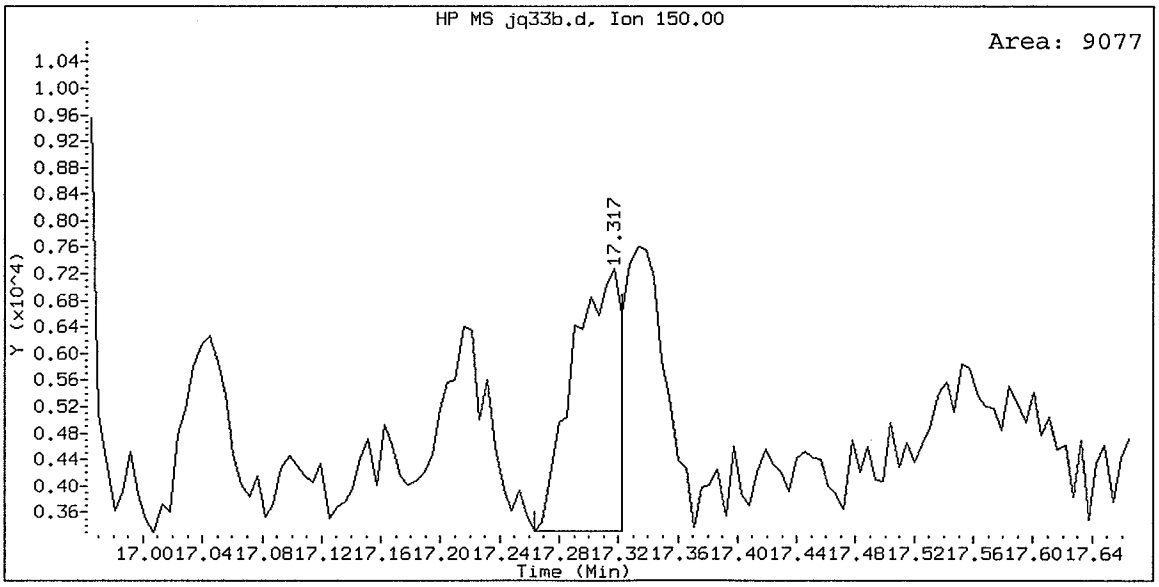




JQ33B, /chem1/nt6.i/20060801.b/jq33b.d
bis(2-Ethylhexyl)phthalate Amount: 2.80







ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	52.4%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060801.b/jq33c.d
Lab Smp Id: JQ33C Client Smp ID: T4-B414-01-C
Inj Date : 01-AUG-2006 17:34
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33C
Misc Info : 06-12925
Comment : 1ul Injection
Method : /chem1/nt6.i/20060801.b/SW846.m
Meth Date : 03-Aug-2006 13:22 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/3/06

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	94.40000	Weight of sample extracted (g)
M	46.40000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	3.533	3.485	(0.635)	368154	23.9694	473.7(M)
$	2 Phenol-d5	99	5.376	5.307	(0.966)	454526	24.4231	482.7
	3 Phenol	94	5.397	5.323	(0.970)	23484	1.01268 (B)	20.01
$	5 2-Chlorophenol-d4	132	5.290	5.275	(0.951)	360692	22.8573	451.7
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	5.563	5.558	(1.000)	208149	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.857	5.852	(1.053)	141712	13.9311	275.3(M)
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	6.508	6.498	(1.170)	10744	0.68276	13.49
$	18 Nitrobenzene-d5	82	6.519	6.520	(0.858)	297663	15.0049	296.5
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	7.620	7.647	(1.003)	180499	20.4618	404.4(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.598	7.599	(1.000)	732796	20.0000	
	28 Naphthalene	128	7.625	7.631	(1.004)	76625	1.72805	33.99
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.741	8.742	(1.150)	32764	1.35983	26.87
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.415	9.421	(0.906)	474485	15.6653	309.6
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.392	10.393	(1.000)	405653	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.440	10.441	(1.005)	155641	5.97501	118.1
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.702	10.703	(1.030)	66132	1.84522	36.47
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.236	11.237	(1.081)	122017	4.19693	82.95
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.664	11.659	(1.122)	104439	26.7745	529.2
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.689	12.679	(1.000)	634718	20.0000	
	60 Phenanthrene	178	12.727	12.711	(1.003)	1271581	30.0938	594.8(M)
	61 Anthracene	178	12.791	12.781	(1.008)	220787	5.20488	102.9
	62 Carbazole	167	13.122	13.112	(1.034)	234165	6.85747	135.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	13.950	13.940	(1.099)	64227	1.57024 B	31.03 (M)
64	Fluoranthene	202	14.612	14.586	(1.152)	3053101	73.2878	1448
65	Pyrene	202	14.938	14.912	(0.884)	2733034	37.7982	747.0
$ 66	Terphenyl-d14	244	15.344	15.329	(0.908)	593592	13.0582	258.1
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	16.883	16.846	(0.999)	2128424	32.8358	648.9
* 69	Chrysene-d12	240	16.904	16.862	(1.000)	858392	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	16.947	16.900	(1.003)	2722121	42.2598	835.2
72	bis(2-Ethylhexyl)phthalate	149	17.342	17.316	(0.949)	215482	6.69198 B	132.3
* 134	Di-n-octylphthalate-d4	153	18.272	18.235	(1.000)	1275292	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	18.523	18.449	(0.974)	2825653	44.0775	871.1 (M)
75	Benzo(k)fluoranthene	252	18.523	18.481	(0.974)	2670936	40.2917	796.3 (M)
76	Benzo(a)pyrene	252	18.934	18.860	(0.996)	2558917	41.4725	819.6
* 77	Perylene-d12	264	19.014	18.946	(1.000)	976453	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	20.350	20.270	(1.070)	1880641	25.0540	495.2
79	Dibenzo(a,h)anthracene	278	20.377	20.319	(1.072)	707028	9.58884	189.5 (M)
80	Benzo(g,h,i)perylene	276	20.633	20.548	(1.085)	1596277	20.3086	401.4
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	8.902	8.902	(1.172)	18318	0.72728 EPL	14.37
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33c.d
Lab Smp Id: JQ33C
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12925

Calibration Date: 01-AUG-2006
Calibration Time: 11:57
Client Smp ID: T4-B414-01-C
Level: LOW
Sample Type: Sediment

		AREA LIMIT				
	COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8	1,4-Dichlorobenze	203506	101753	407012	208149	2.28
27	Naphthalene-d8	730969	365484	1461938	732796	0.25
42	Acenaphthene-d10	404762	202381	809524	405653	0.22
59	Phenanthrene-d10	594244	297122	1188488	634718	6.81
69	Chrysene-d12	406863	203432	813726	858392	110.98 <-
134	Di-n-octylphthala	618730	309365	1237460	1275292	106.11 <-
77	Perylene-d12	432016	216008	864032	976453	126.02 <-

		RT LIMIT				
	COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8	1,4-Dichlorobenze	5.56	5.06	6.06	5.56	0.08
27	Naphthalene-d8	7.60	7.10	8.10	7.60	-0.01
42	Acenaphthene-d10	10.39	9.89	10.89	10.39	-0.01
59	Phenanthrene-d10	12.68	12.18	13.18	12.69	0.08
69	Chrysene-d12	16.86	16.36	17.36	16.90	0.25
134	Di-n-octylphthala	18.24	17.74	18.74	18.27	0.20
77	Perylene-d12	18.95	18.45	19.45	19.01	0.36

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

Analytical Resources, Inc.

RECOVERY REPORT

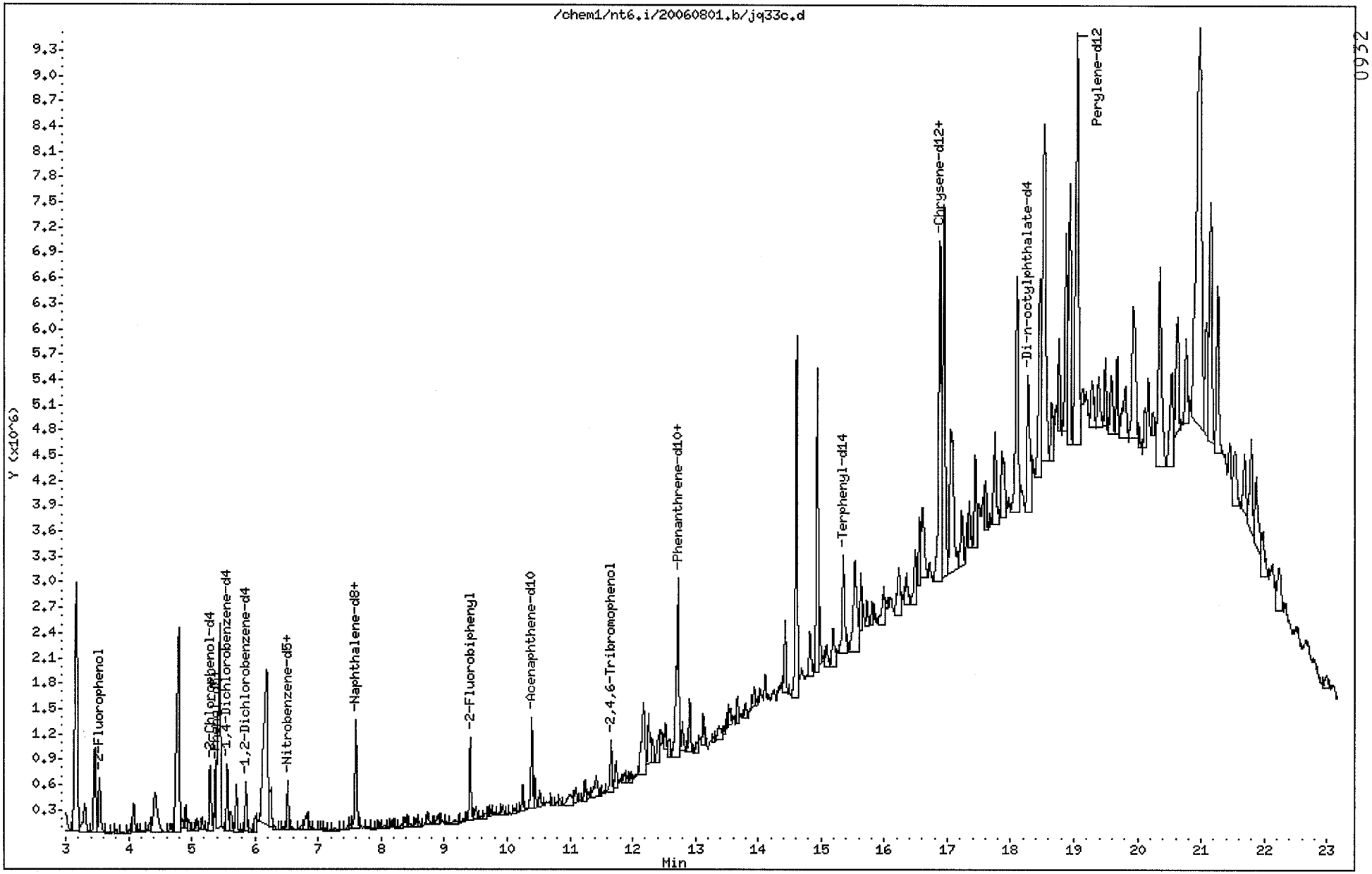
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33C
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12925

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

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	741.1	473.7	63.92	22-91
$ 2 Phenol-d5	741.1	482.7	65.13	26-99
$ 5 2-Chlorophenol-d4	741.1	451.7	60.95	29-96
$ 10 1,2-Dichlorobenzen	494.1	275.3	55.72	24-87
$ 18 Nitrobenzene-d5	494.1	296.5	60.02	27-101
$ 36 2-Fluorobiphenyl	494.1	309.6	62.66	30-100
$ 55 2,4,6-Tribromophen	741.1	529.2	71.40	20-114
$ 66 Terphenyl-d14	494.1	258.1	52.23	12-120

Data File: /chem1/nt6.i/20060801.b/jq33c.d
Date : 01-AUG-2006 17:34
Client ID: T4-B414-01-C
Sample Info: JQ33C
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



Data File: /chem1/nt6.i/20060801.b/jq33c.d

Date : 01-AUG-2006 17:34

Client ID: T4-B414-01-C

Instrument: nt6.i

Sample Info: JQ33C

Volume Injected (uL): 1.0

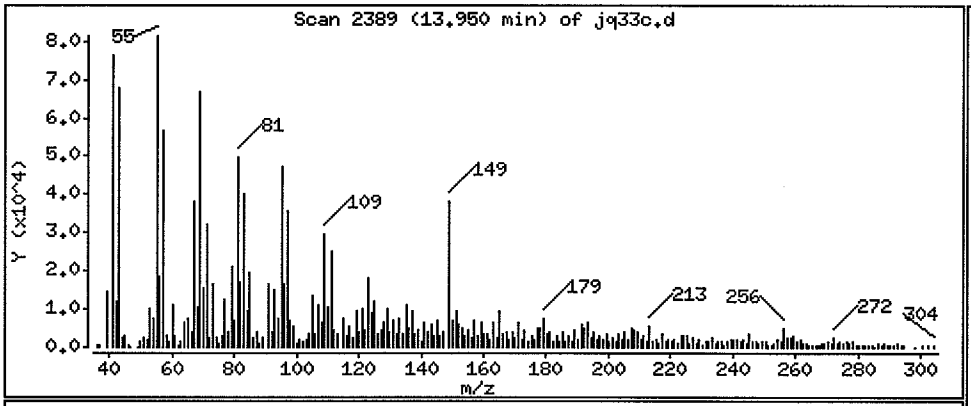
Operator: LJR

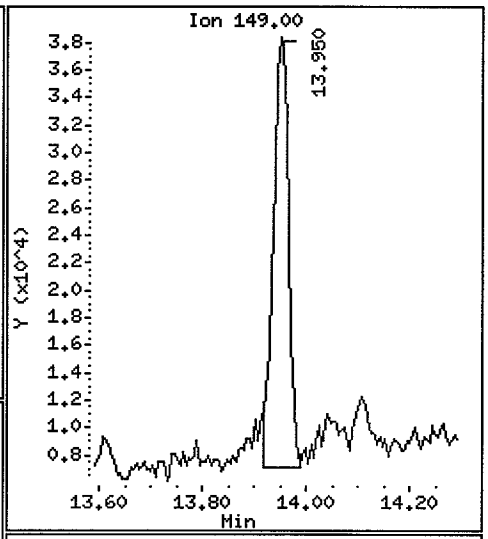
Column phase: ZB-5

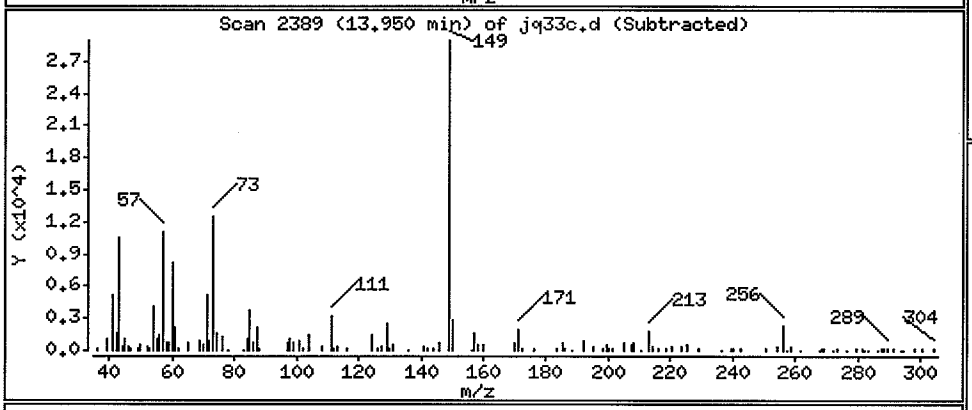
Column diameter: 0.32

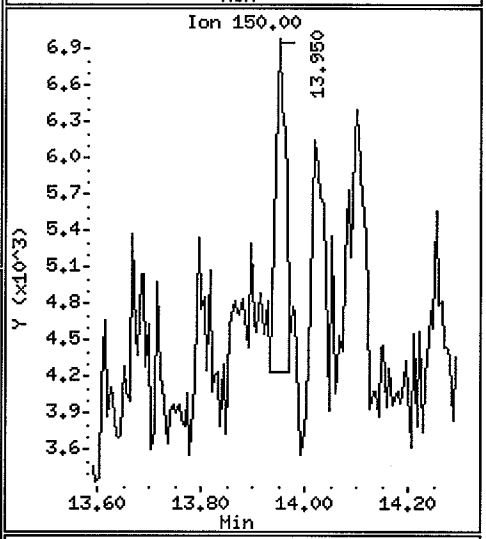
63 Di-n-butylphthalate

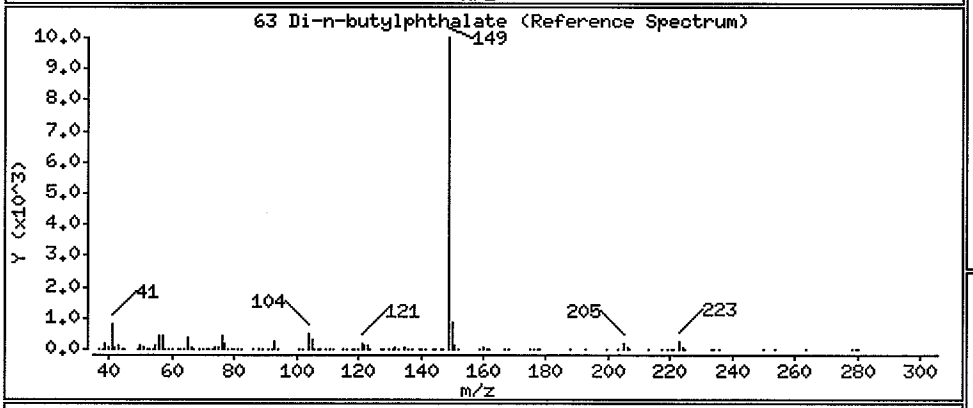
Concentration: 31.03 ug/kg

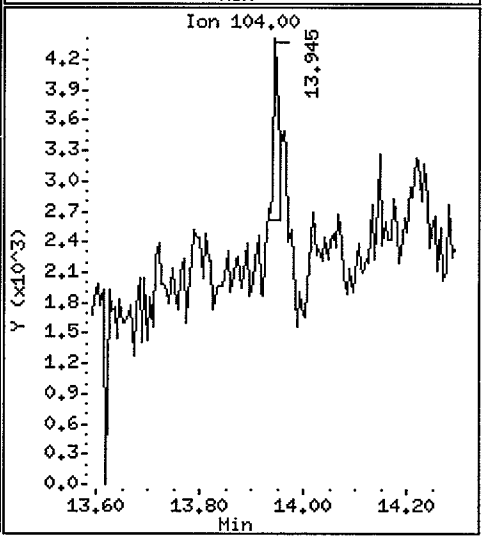


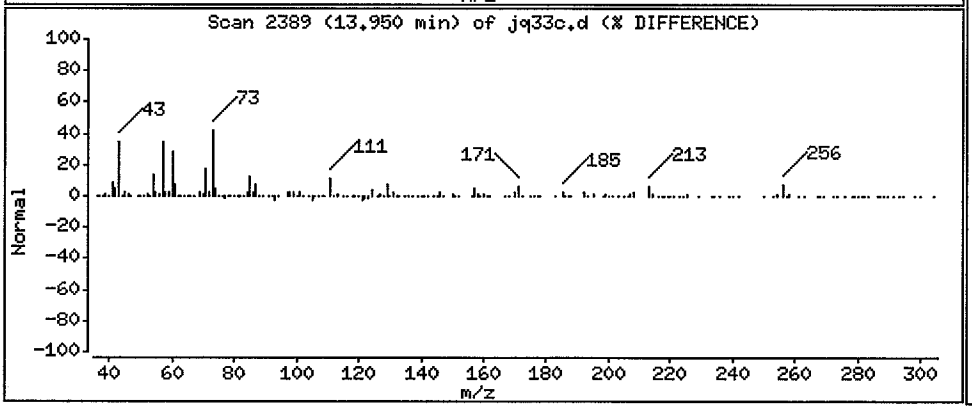












Data File: /chem1/nt6.i/20060801.b/jq33c.d

Date : 01-AUG-2006 17:34

Client ID: T4-B414-01-C

Instrument: nt6.i

Sample Info: JQ33C

Volume Injected (uL): 1.0

Operator: LJR

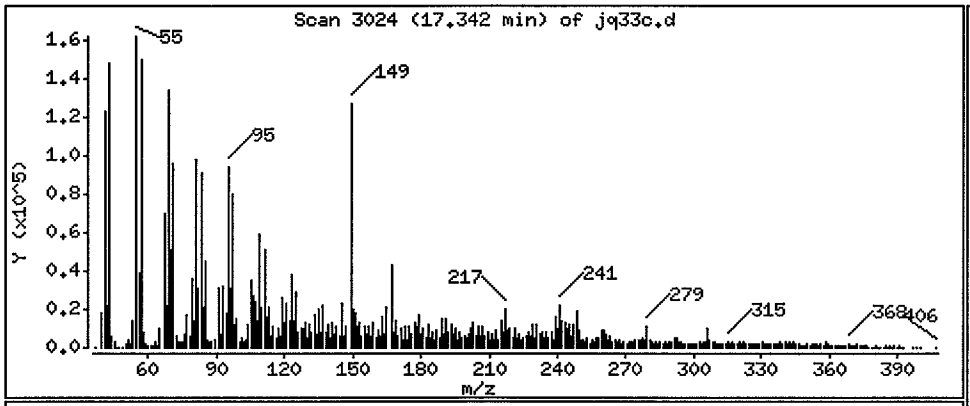
Column phase: ZB-5

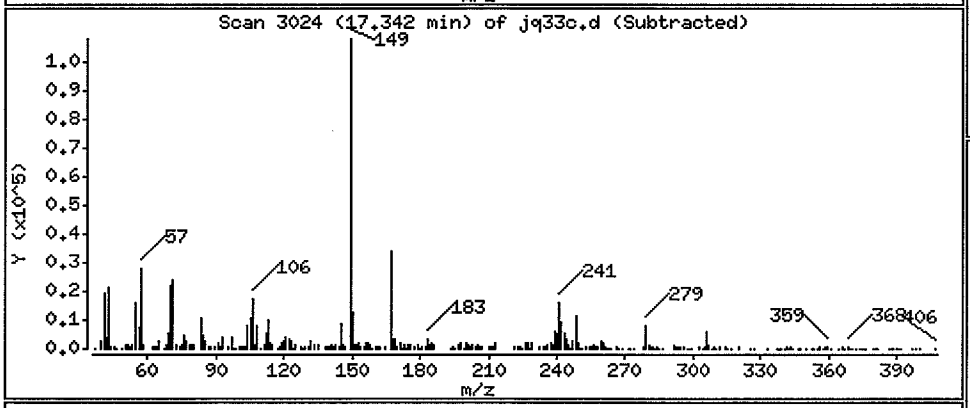
Column diameter: 0.32

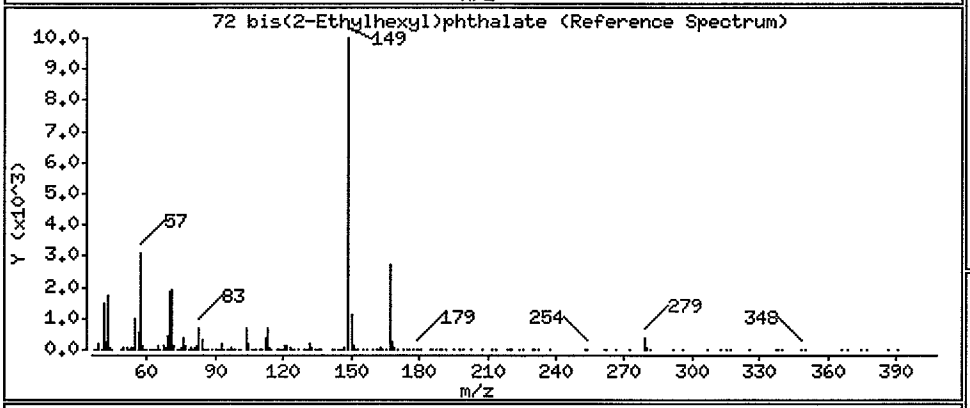
72 bis(2-Ethylhexyl)phthalate

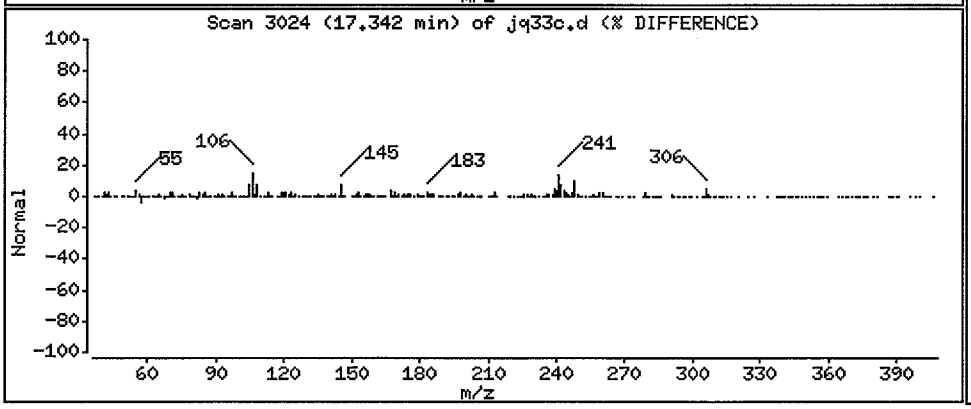
Concentration: 132.3 ug/kg

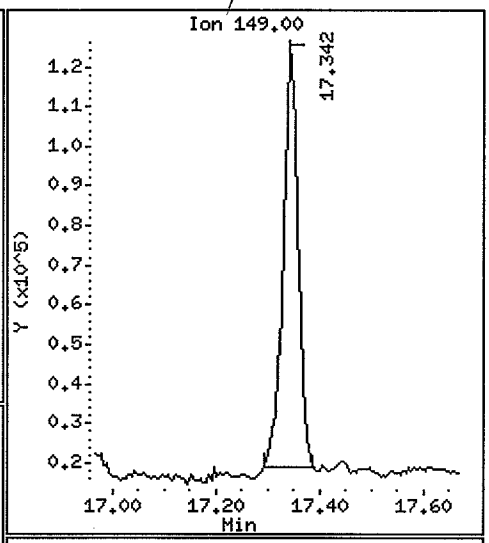
B

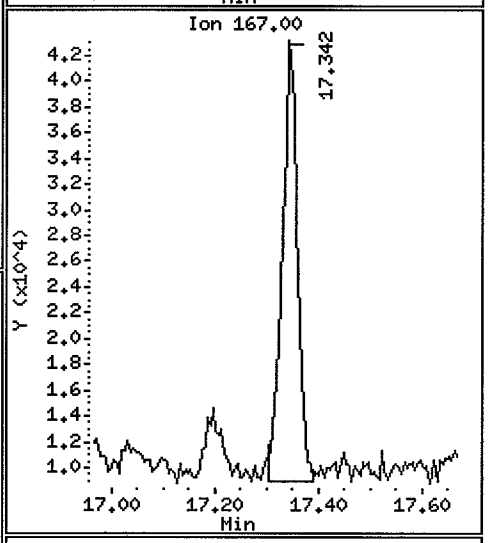


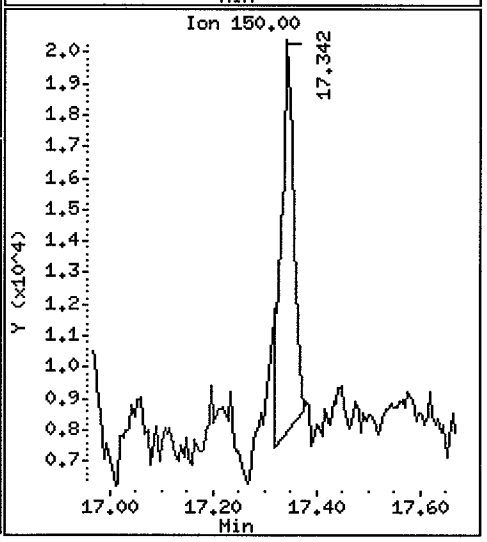




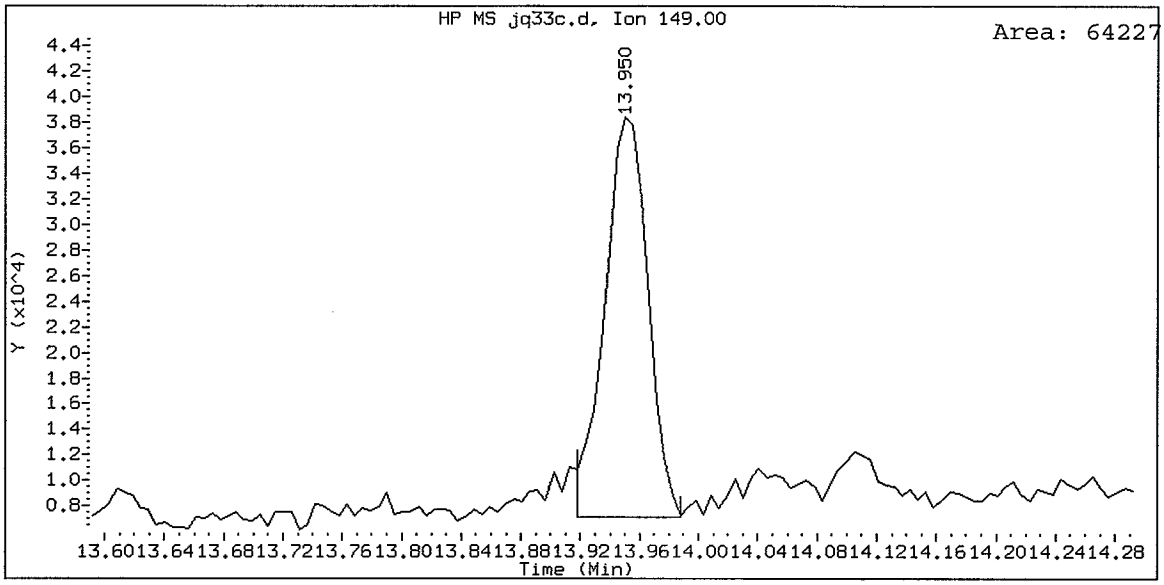


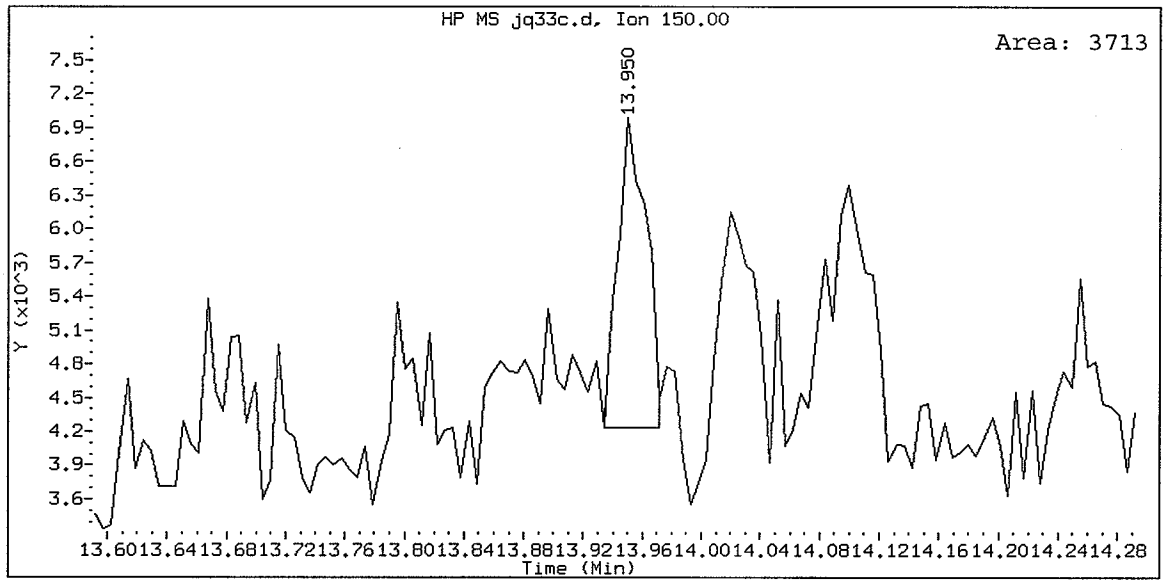


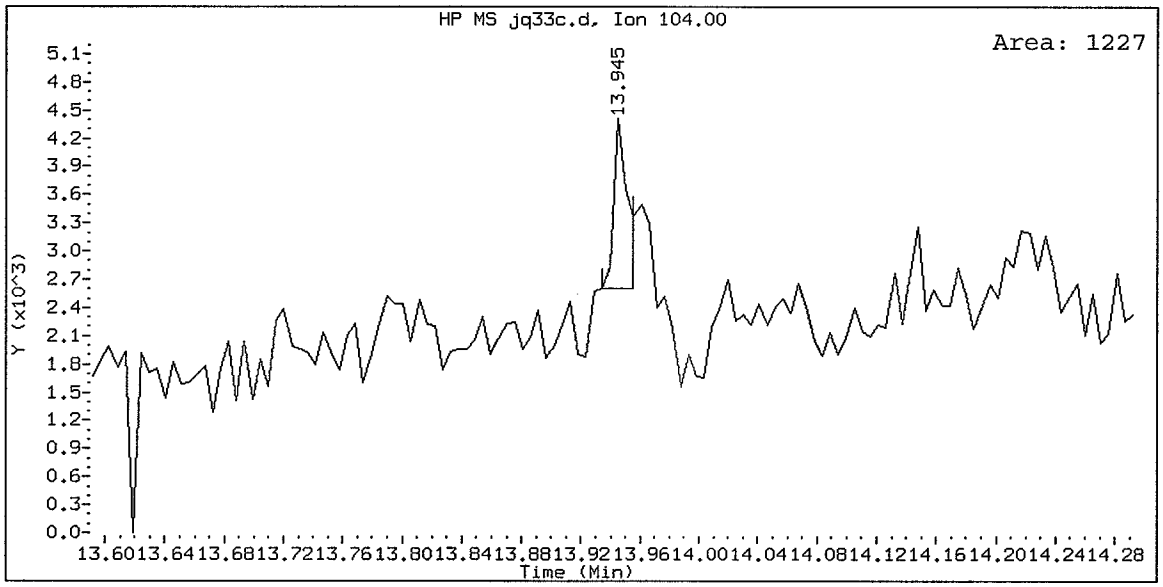




JQ33C, /chem1/nt6.i/20060801.b/jq33c.d
Di-n-butylphthalate Amount: 1.57







ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	54.0%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060801.b/jq33d.d
Lab Smp Id: JQ33D Client Smp ID: T4-B414-02-A
Inj Date : 01-AUG-2006 18:04
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33D
Misc Info : 06-12926
Comment : 1ul Injection
Method : /chem1/nt6.i/20060801.b/SW846.m
Meth Date : 03-Aug-2006 13:22 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJK 8/3/06

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	100.00000	Weight of sample extracted (g)
M	49.70000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)	
$	1 2-Fluorophenol	112	3.549	3.485	(0.638)	351358	22.3810	445.0	
$	2 Phenol-d5	99	5.387	5.307	(0.968)	453695	23.8512	474.2	
	3 Phenol	94	5.408	5.323	(0.972)	12069	0.50918 LDL	10.12	
$	5 2-Chlorophenol-d4	132	5.296	5.275	(0.952)	358948	22.2547	442.4	
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.						
	6 2-Chlorophenol	128	Compound Not Detected.						
	7 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	8 1,4-Dichlorobenzene-d4	152	5.563	5.558	(1.000)	212751	20.0000		(M)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.						
$	10 1,2-Dichlorobenzene-d4	152	5.857	5.852	(1.053)	140227	13.4869	268.1	
	12 1,2-Dichlorobenzene	146	Compound Not Detected.						
	11 Benzyl alcohol	108	Compound Not Detected.						
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.						
	13 2-Methylphenol	108	Compound Not Detected.						
	17 Hexachloroethane	117	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.524	6.520	(0.859)	293156	14.9438	297.1
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	7.604	7.647	(1.001)	125907	14.4335	286.9(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.598	7.599	(1.000)	724654	20.0000	
	28 Naphthalene	128	7.625	7.631	(1.004)	51635	1.17211	23.30
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.741	8.742	(1.150)	30733	1.28987	25.64
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.420	9.421	(0.906)	474002	15.6559	311.2
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.392	10.393	(1.000)	405485	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.435	10.441	(1.004)	149948	5.75884	114.5
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.702	10.703	(1.030)	68377	1.90865	37.95
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.236	11.237	(1.081)	108212	3.72364	74.03
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.664	11.659	(1.122)	100483	25.7710	512.3
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.684	12.679	(1.000)	615956	20.0000	
	60 Phenanthrene	178	12.721	12.711	(1.003)	1406252	34.2948	681.8
	61 Anthracene	178	12.785	12.781	(1.008)	211242	5.13155	102.0
	62 Carbazole	167	13.117	13.112	(1.034)	242591	7.32062	145.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	13.945	13.940	(1.099)	39534	0.99598 LDL	19.80(M)
64	Fluoranthene	202	14.607	14.586	(1.152)	2800297	69.2669	1377
65	Pyrene	202	14.933	14.912	(0.884)	2406393	40.8071	811.3
$ 66	Terphenyl-d14	244	15.339	15.329	(0.908)	500050	13.4881	268.2
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	16.867	16.846	(0.999)	1826385	34.5481	686.8
* 69	Chrysene-d12	240	16.888	16.862	(1.000)	700072	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	16.931	16.900	(1.003)	2247378	42.7798	850.5
72	bis(2-Ethylhexyl)phthalate	149	17.332	17.316	(0.949)	89228	3.42101 B	68.01(M)
* 134	Di-n-octylphthalate-d4	153	18.256	18.235	(1.000)	1032998	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	18.501	18.449	(0.974)	2384336	46.7112	928.7(M)
75	Benzo(k)fluoranthene	252	18.501	18.481	(0.974)	2312262	43.8070	870.9(M)
76	Benzo(a)pyrene	252	18.913	18.860	(0.996)	2108965	42.9267	853.4
* 77	Perylene-d12	264	18.988	18.946	(1.000)	777493	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	20.323	20.270	(1.070)	1615685	27.0323	537.4
79	Dibenzo(a,h)anthracene	278	20.361	20.319	(1.072)	610476	10.3981	206.7(M)
80	Benzo(g,h,i)perylene	276	20.612	20.548	(1.086)	1373170	21.9407	436.2
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	8.902	8.902	(1.172)	17353	0.69671 LDL	13.85
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33d.d
Lab Smp Id: JQ33D
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12926

Calibration Date: 01-AUG-2006
Calibration Time: 11:57
Client Smp ID: T4-B414-02-A
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	203506	101753	407012	212751	4.54
27 Naphthalene-d8	730969	365484	1461938	724654	-0.86
42 Acenaphthene-d10	404762	202381	809524	405485	0.18
59 Phenanthrene-d10	594244	297122	1188488	615956	3.65
69 Chrysene-d12	406863	203432	813726	700072	72.07
134 Di-n-octylphthala	618730	309365	1237460	1032998	66.95
77 Perylene-d12	432016	216008	864032	777493	79.97

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.56	5.06	6.06	5.56	0.08
27 Naphthalene-d8	7.60	7.10	8.10	7.60	-0.01
42 Acenaphthene-d10	10.39	9.89	10.89	10.39	-0.01
59 Phenanthrene-d10	12.68	12.18	13.18	12.68	0.04
69 Chrysene-d12	16.86	16.36	17.36	16.89	0.15
134 Di-n-octylphthala	18.24	17.74	18.74	18.26	0.11
77 Perylene-d12	18.95	18.45	19.45	18.99	0.22

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

Analytical Resources, Inc.

RECOVERY REPORT

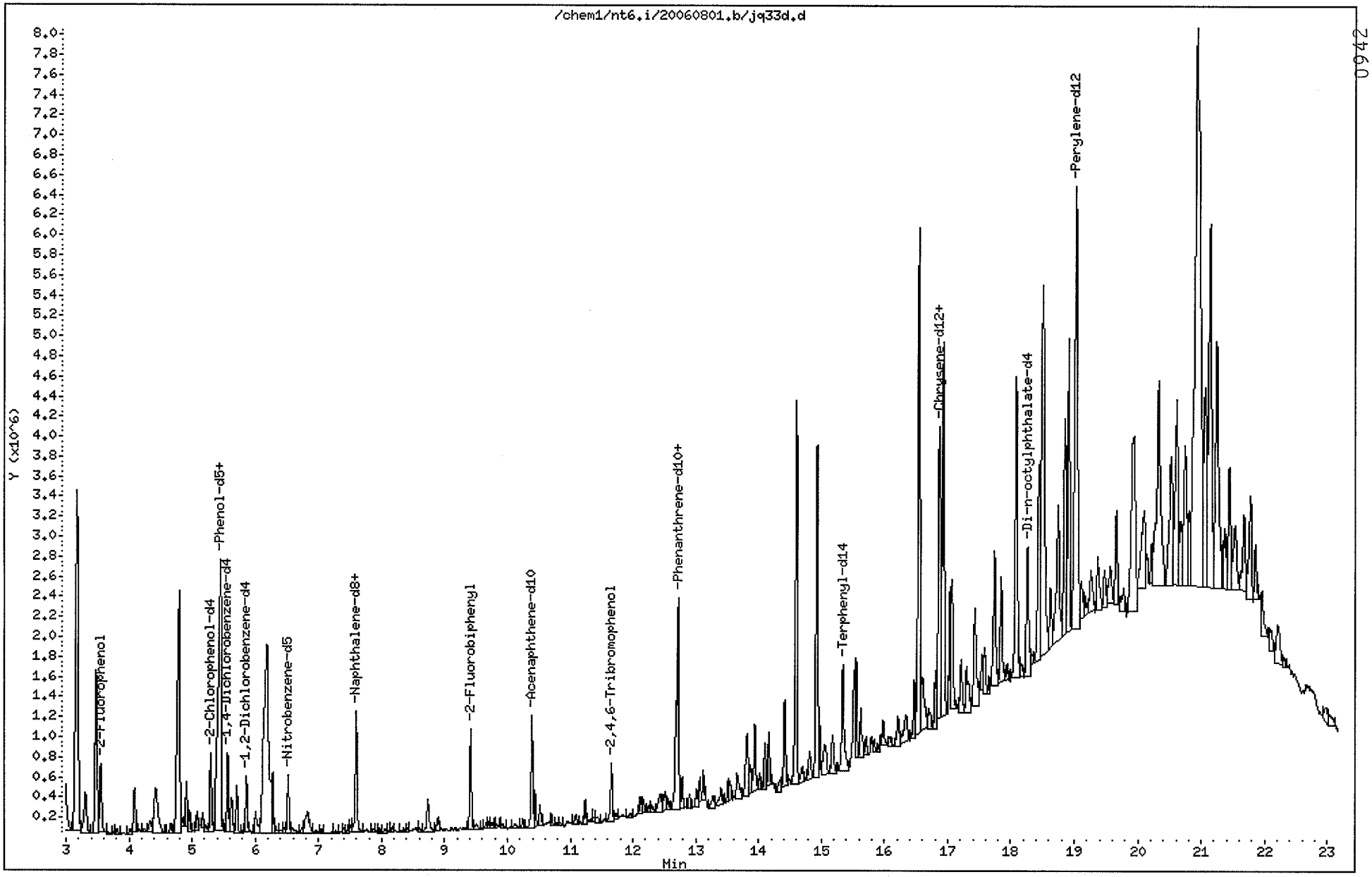
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33D
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12926

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-02-A
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	745.5	445.0	59.68	22-91
$ 2 Phenol-d5	745.5	474.2	63.60	26-99
$ 5 2-Chlorophenol-d4	745.5	442.4	59.35	29-96
$ 10 1,2-Dichlorobenzen	497.0	268.1	53.95	24-87
$ 18 Nitrobenzene-d5	497.0	297.1	59.78	27-101
$ 36 2-Fluorobiphenyl	497.0	311.2	62.62	30-100
$ 55 2,4,6-Tribromophen	745.5	512.3	68.72	20-114
$ 66 Terphenyl-d14	497.0	268.2	53.95	12-120

Data File: /chem1/nt6.i/20060801.b/jq33d.d
Date : 01-AUG-2006 18:04
Client ID: T4-B414-02-A
Sample Info: JQ33D
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



Data File: /chem1/nt6.i/20060801.b/jq33d.d

Date : 01-AUG-2006 18:04

Client ID: T4-B414-02-A

Instrument: nt6.i

Sample Info: JQ33D

Volume Injected (uL): 1.0

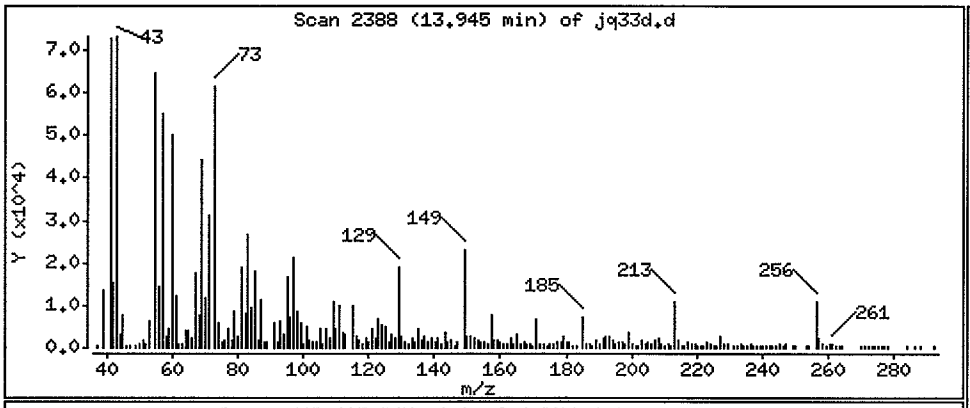
Operator: LJR

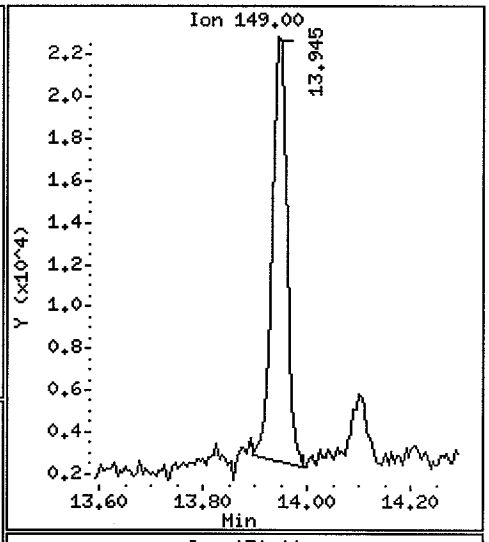
Column phase: ZB-5

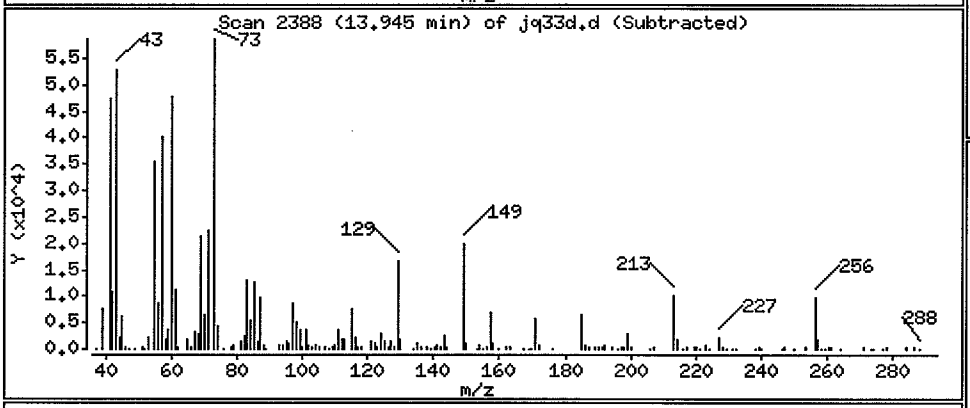
Column diameter: 0.32

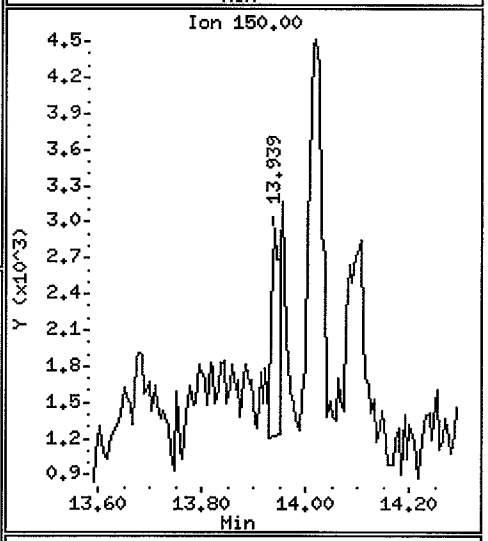
63 Di-n-butylphthalate

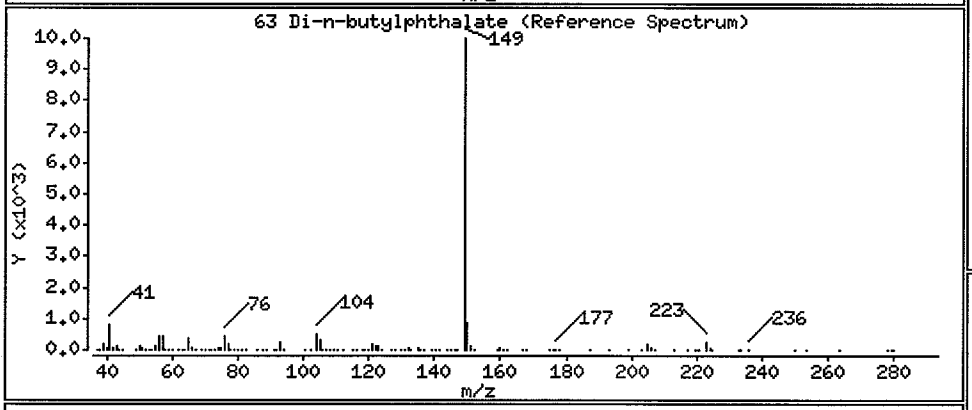
Concentration: 19.80 ug/kg

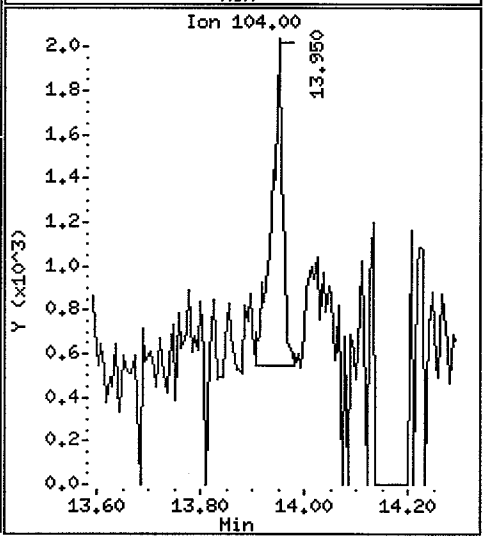


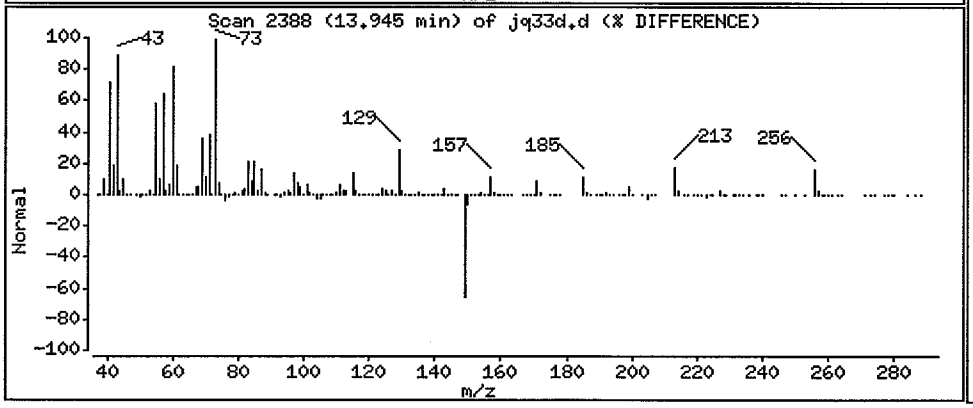












Data File: /chem1/nt6.i/20060801.b/jq33d.d

Date : 01-AUG-2006 18:04

Client ID: T4-B414-02-A

Instrument: nt6.i

Sample Info: JQ33D

Volume Injected (uL): 1.0

Operator: LJR

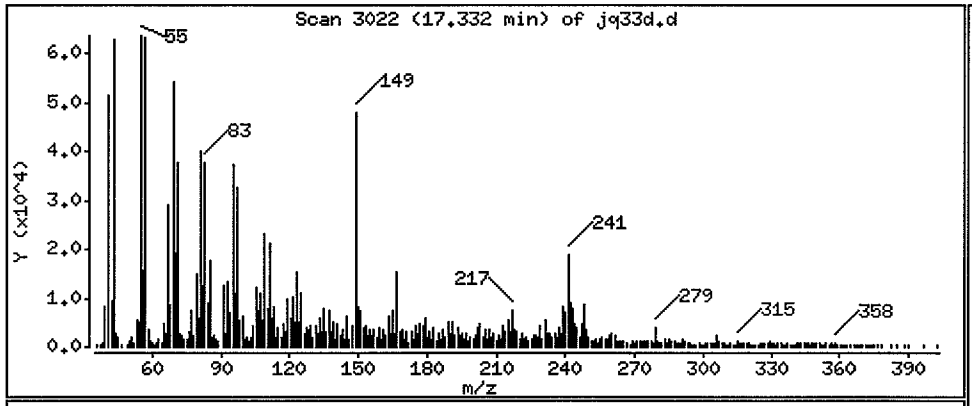
Column phase: ZB-5

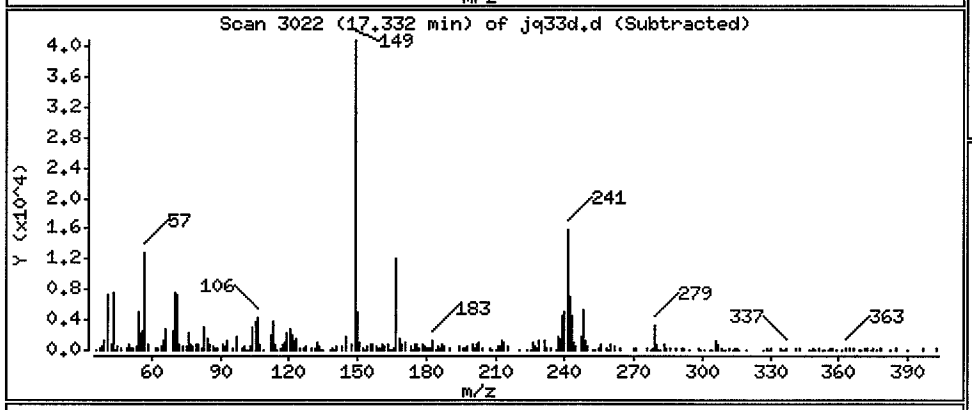
Column diameter: 0.32

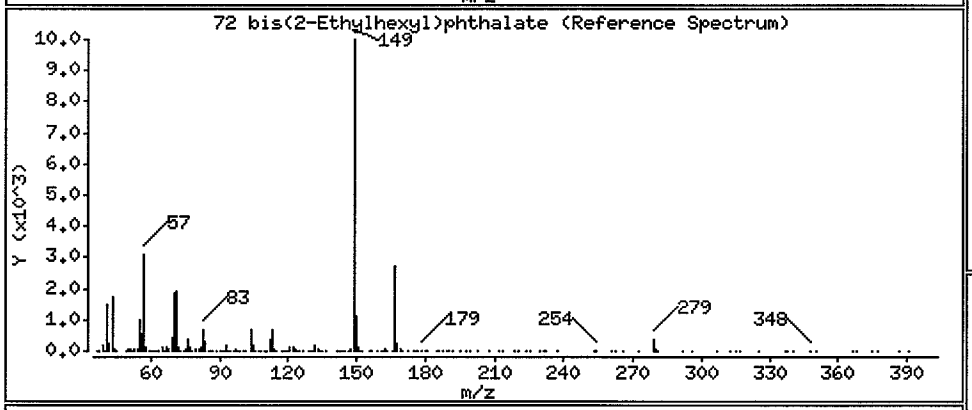
72 bis(2-Ethylhexyl)phthalate

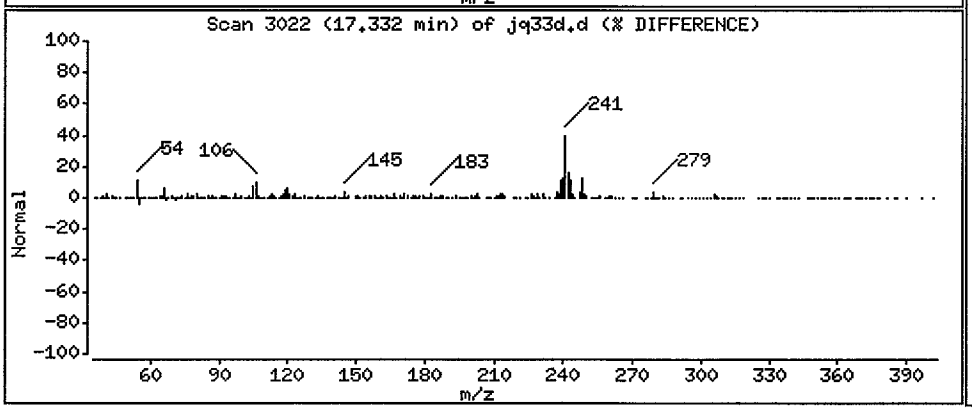
Concentration: 68.01 ug/kg

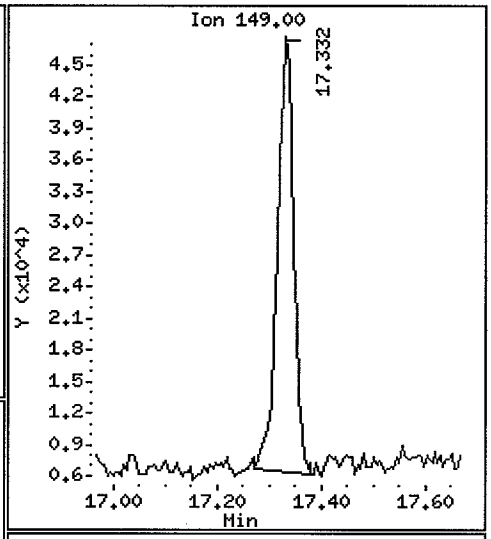
B

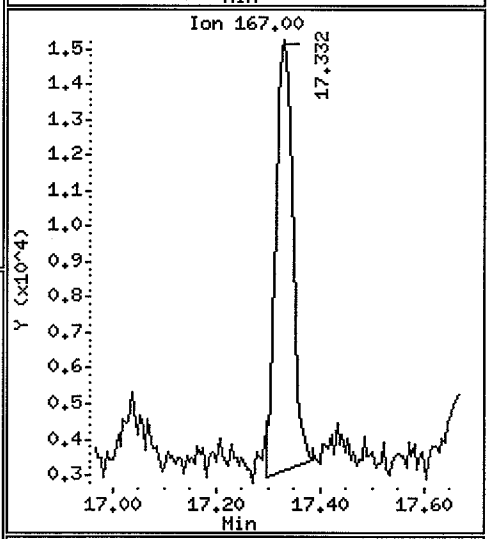


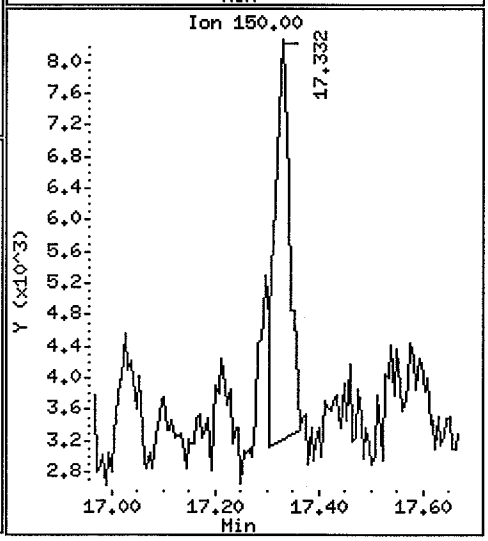












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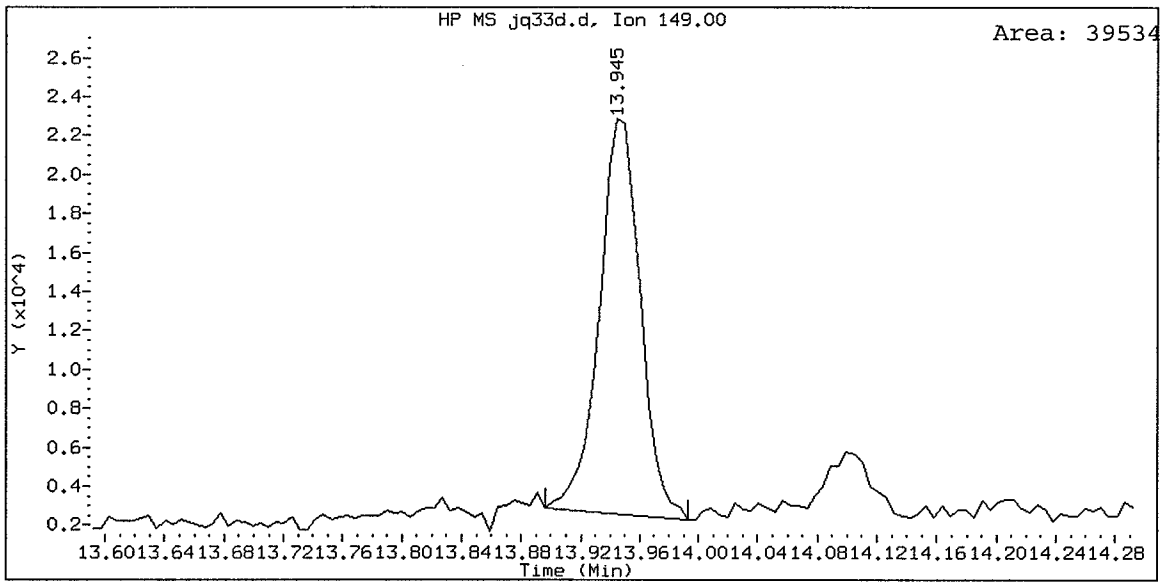
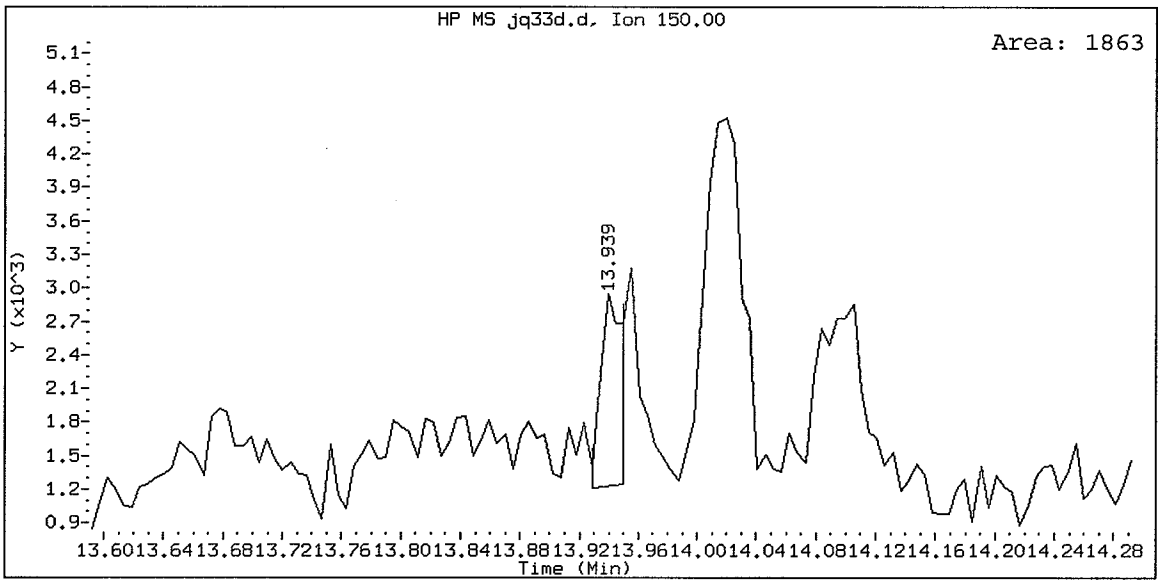
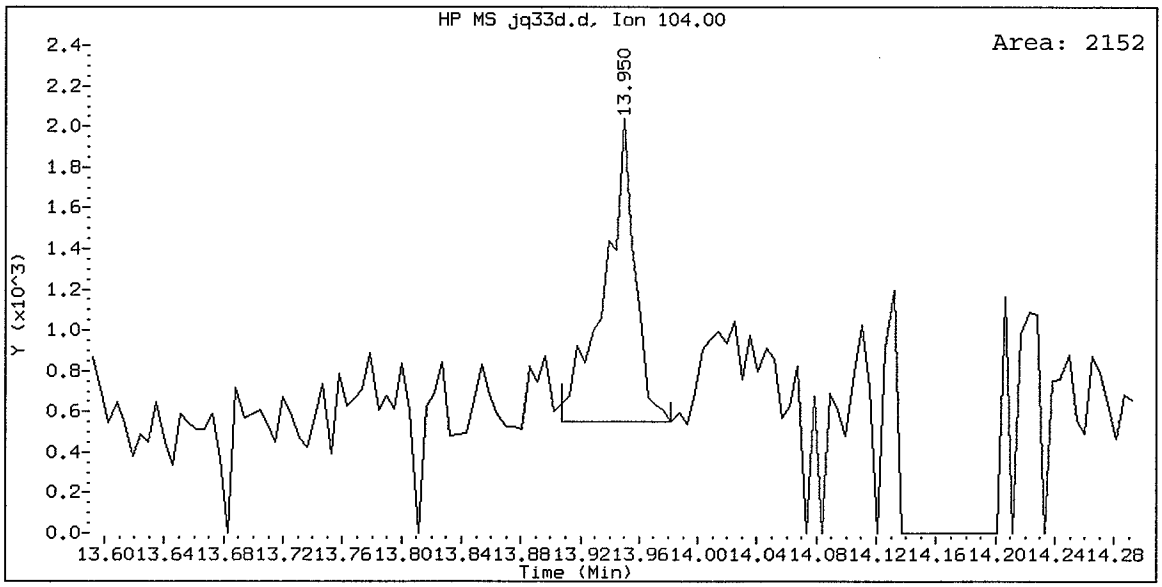
Di-n-butylphthalate Amount: 1.00







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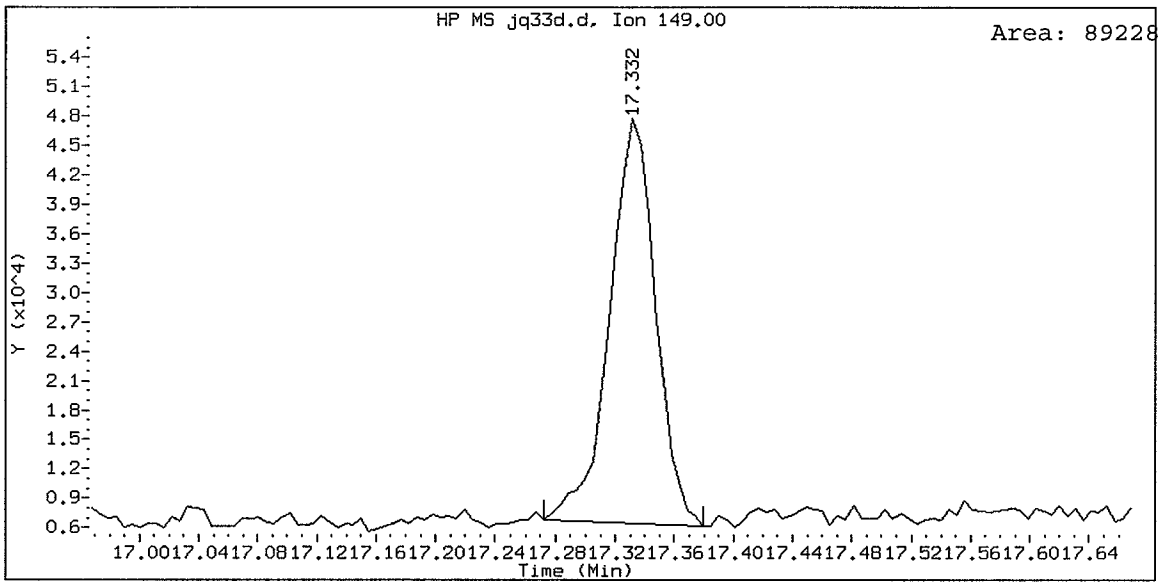
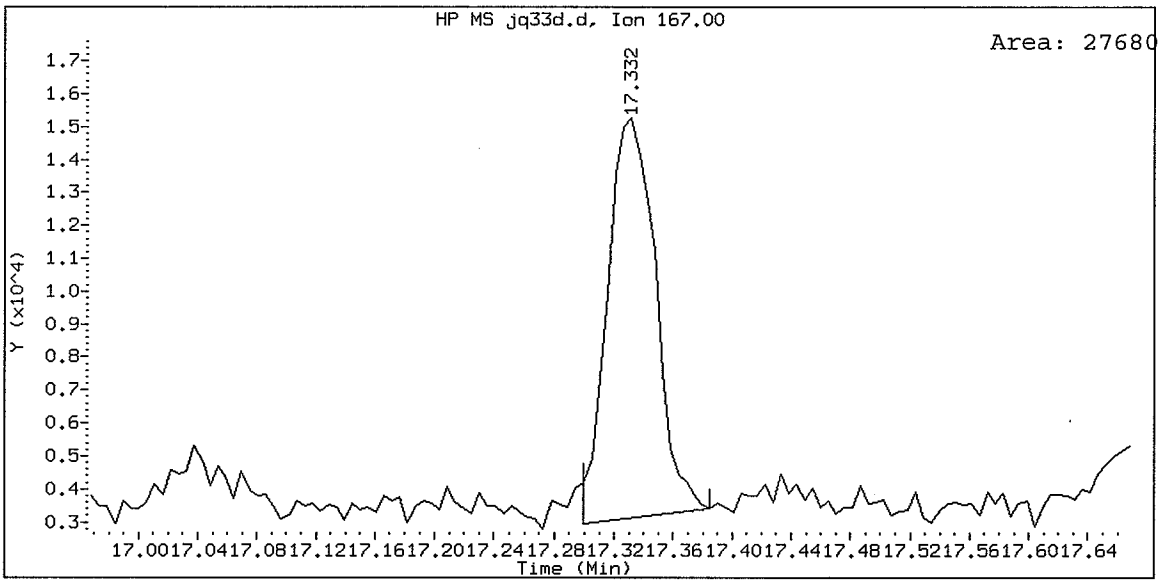
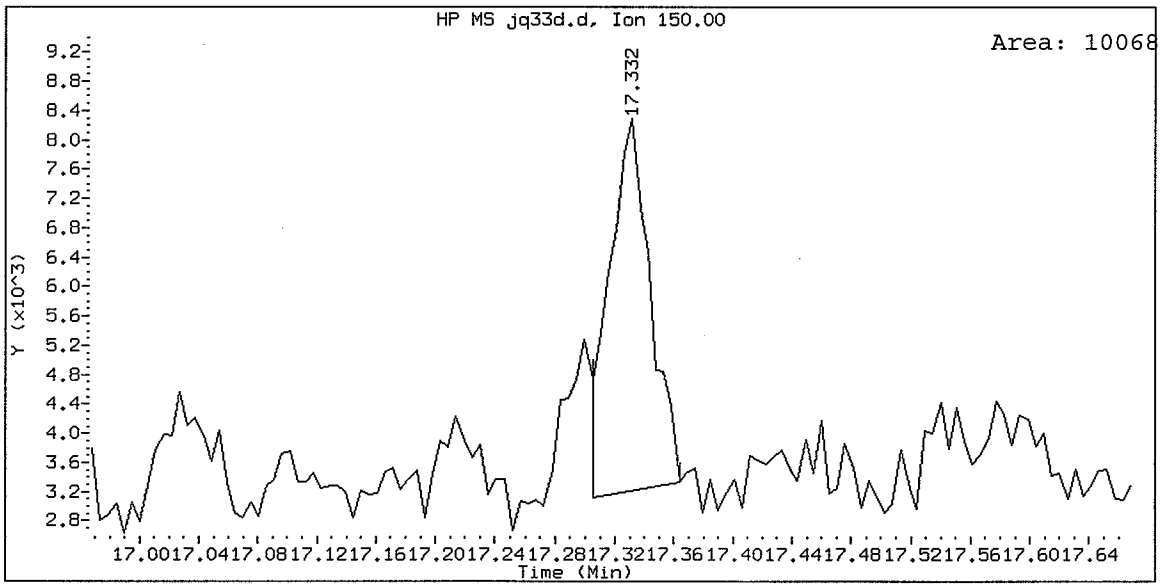
bis(2-Ethylhexyl)phthalate Amount: 3.42







ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	52.8%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060801.b/jq33e.d
Lab Smp Id: JQ33E Client Smp ID: T4-B414-02-B
Inj Date : 01-AUG-2006 18:35
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33E
Misc Info : 06-12927
Comment : 1ul Injection
Method : /chem1/nt6.i/20060801.b/SW846.m
Meth Date : 03-Aug-2006 13:22 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/3/06

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	99.30000	Weight of sample extracted (g)
M	49.40000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)	
$	1 2-Fluorophenol	112	3.545	3.485	(0.637)	355745	20.7534	413.0	
$	2 Phenol-d5	99	5.388	5.307	(0.968)	453940	21.8557	435.0	
	3 Phenol	94	Compound Not Detected.						
$	5 2-Chlorophenol-d4	132	5.291	5.275	(0.951)	356511	20.2434	402.9	
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.						
	6 2-Chlorophenol	128	Compound Not Detected.						
	7 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	8 1,4-Dichlorobenzene-d4	152	5.564	5.558	(1.000)	232301	20.0000		(M)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.						
$	10 1,2-Dichlorobenzene-d4	152	5.858	5.852	(1.053)	138936	12.2382	243.6	
	12 1,2-Dichlorobenzene	146	Compound Not Detected.						
	11 Benzyl alcohol	108	Compound Not Detected.						
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.						
	13 2-Methylphenol	108	Compound Not Detected.						
	17 Hexachloroethane	117	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.526	6.520	(0.859)	290508	13.1241	261.2
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	7.605	7.647	(1.001)	134847	13.6997	272.7(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.599	7.599	(1.000)	817678	20.0000	
	28 Naphthalene	128	7.631	7.631	(1.004)	26144	0.52595 LOL	10.47
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.416	9.421	(0.906)	477798	13.8164	275.0
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.393	10.393	(1.000)	463151	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.436	10.441	(1.004)	45155	1.51828	30.22
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.698	10.703	(1.029)	23048	0.56325 LOL	11.21
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.237	11.237	(1.081)	30714	0.92530 LOL	18.42(M)
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.659	11.659	(1.122)	103735	23.2925	463.6
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.685	12.679	(1.000)	696083	20.0000	
	60 Phenanthrene	178	12.717	12.711	(1.003)	192101	4.14556	82.51(M)
	61 Anthracene	178	12.787	12.781	(1.008)	35757	0.76863 LOL	15.30
	62 Carbazole	167	13.112	13.112	(1.034)	21127	0.56416 ↓	11.23(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	13.946	13.940	(1.099)	135795	3.02728 B	60.25 (M)
64	Fluoranthene	202	14.592	14.586	(1.150)	313093	6.85305	136.4
65	Pyrene	202	14.918	14.912	(0.884)	297416	5.15295	102.6
$ 66	Terphenyl-d14	244	15.335	15.329	(0.909)	479253	13.2076	262.9
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	16.857	16.846	(0.999)	161046	3.11246	61.94
* 69	Chrysene-d12	240	16.879	16.862	(1.000)	685205	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	16.911	16.900	(1.002)	199224	3.87460	77.11
72	bis(2-Ethylhexyl)phthalate	149	17.333	17.316	(0.950)	42101	1.64859 B	32.81 (M)
* 134	Di-n-octylphthalate-d4	153	18.252	18.235	(1.000)	1011424	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	18.471	18.449	(0.974)	227302	4.62237	92.00 (M)
75	Benzo(k)fluoranthene	252	18.481	18.481	(0.974)	159490	3.13652	62.42 (M)
76	Benzo(a)pyrene	252	18.887	18.860	(0.995)	177875	3.75821	74.80
* 77	Perylene-d12	264	18.973	18.946	(1.000)	749012	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	20.298	20.270	(1.070)	137397	2.38623	47.49
79	Dibenzo(a,h)anthracene	278	20.340	20.319	(1.072)	37909	0.67025 LDL	13.34 (M)
80	Benzo(g,h,i)perylene	276	20.575	20.548	(1.084)	129439	2.14684	42.73
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33e.d
Lab Smp Id: JQ33E
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12927

Calibration Date: 01-AUG-2006
Calibration Time: 11:57
Client Smp ID: T4-B414-02-B
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	203506	101753	407012	232301	14.15
27 Naphthalene-d8	730969	365484	1461938	817678	11.86
42 Acenaphthene-d10	404762	202381	809524	463151	14.43
59 Phenanthrene-d10	594244	297122	1188488	696083	17.14
69 Chrysene-d12	406863	203432	813726	685205	68.41
134 Di-n-octylphthala	618730	309365	1237460	1011424	63.47
77 Perylene-d12	432016	216008	864032	749012	73.38

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.56	5.06	6.06	5.56	0.10
27 Naphthalene-d8	7.60	7.10	8.10	7.60	0.01
42 Acenaphthene-d10	10.39	9.89	10.89	10.39	0.00
59 Phenanthrene-d10	12.68	12.18	13.18	12.68	0.04
69 Chrysene-d12	16.86	16.36	17.36	16.88	0.10
134 Di-n-octylphthala	18.24	17.74	18.74	18.25	0.09
77 Perylene-d12	18.95	18.45	19.45	18.97	0.14

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

Analytical Resources, Inc.

RECOVERY REPORT

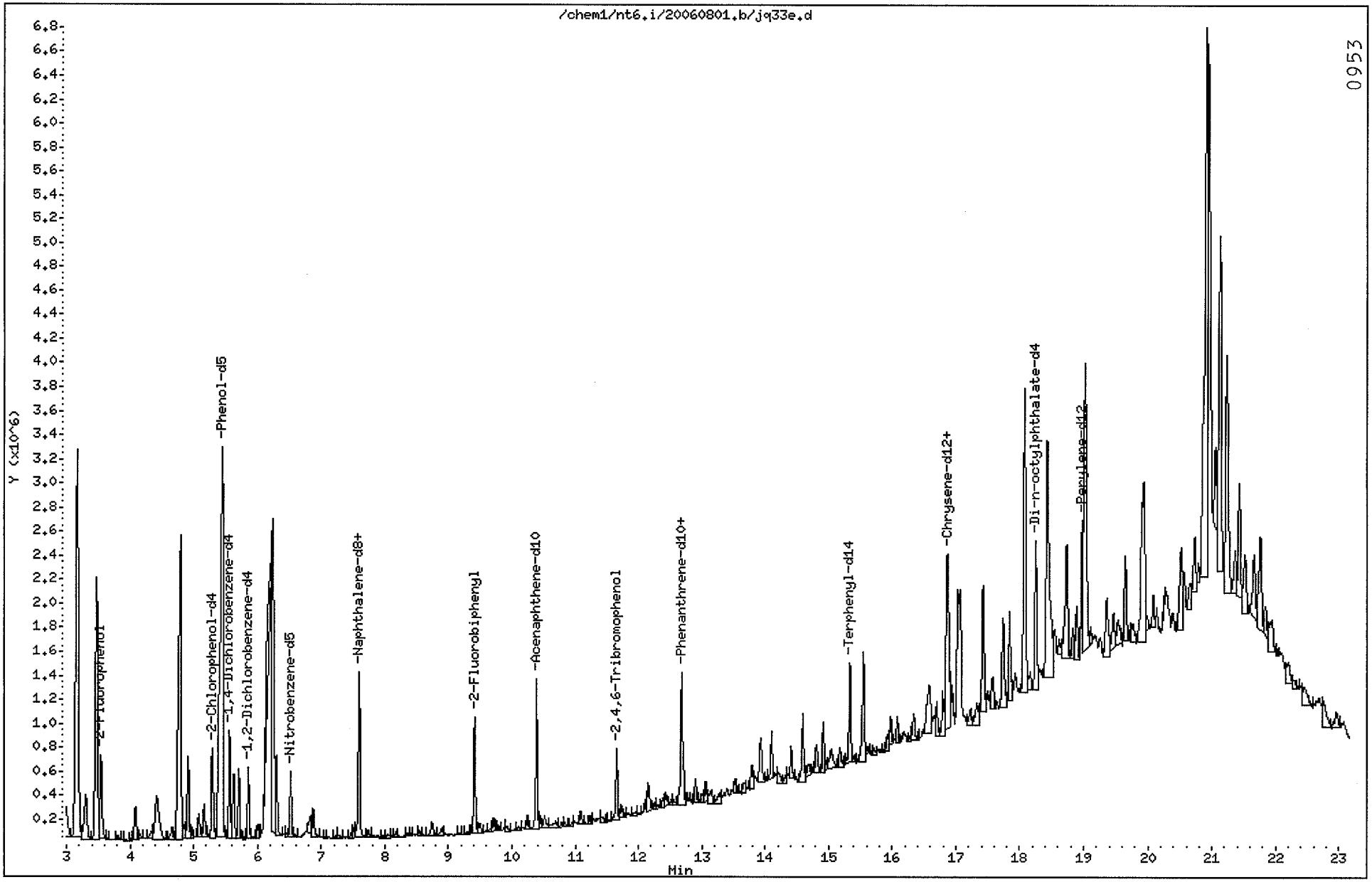
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33E
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12927

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-02-B
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	746.3	413.0	55.34	22-91
$ 2 Phenol-d5	746.3	435.0	58.28	26-99
$ 5 2-Chlorophenol-d4	746.3	402.9	53.98	29-96
$ 10 1,2-Dichlorobenzen	497.6	243.6	48.95	24-87
$ 18 Nitrobenzene-d5	497.6	261.2	52.50	27-101
$ 36 2-Fluorobiphenyl	497.6	275.0	55.27	30-100
$ 55 2,4,6-Tribromophen	746.3	463.6	62.11	20-114
$ 66 Terphenyl-d14	497.6	262.9	52.83	12-120

Data File: /chem1/nt6.i/20060801.b/jq33e.d
Date : 01-AUG-2006 18:35
Client ID: T4-B414-02-B
Sample Info: JQ33E
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



Data File: /chem1/nt6.i/20060801.b/jq33e.d

Date : 01-AUG-2006 18:35

Client ID: T4-B414-02-B

Instrument: nt6.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

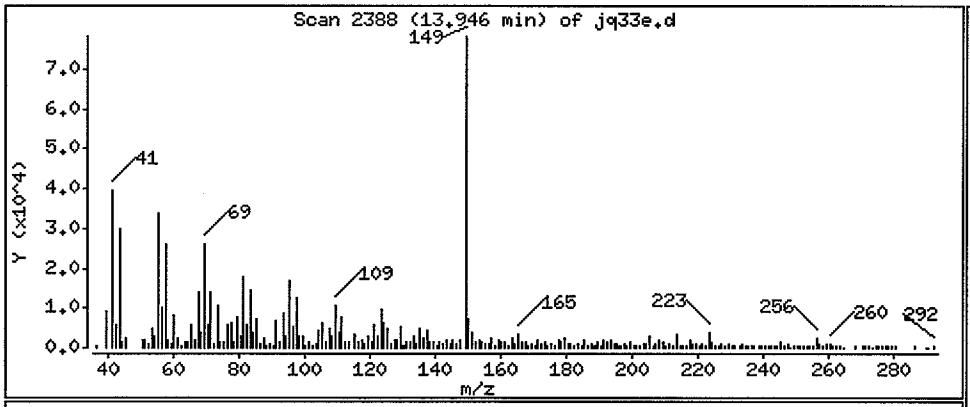
Operator: LJR

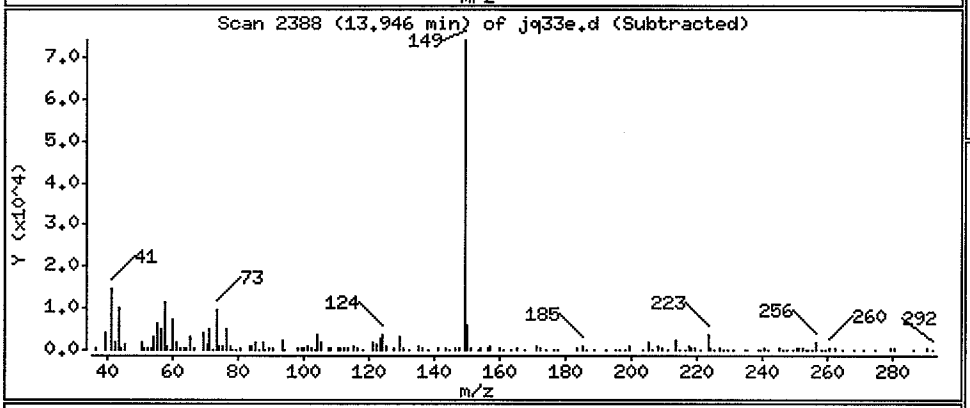
Column phase: ZB-5

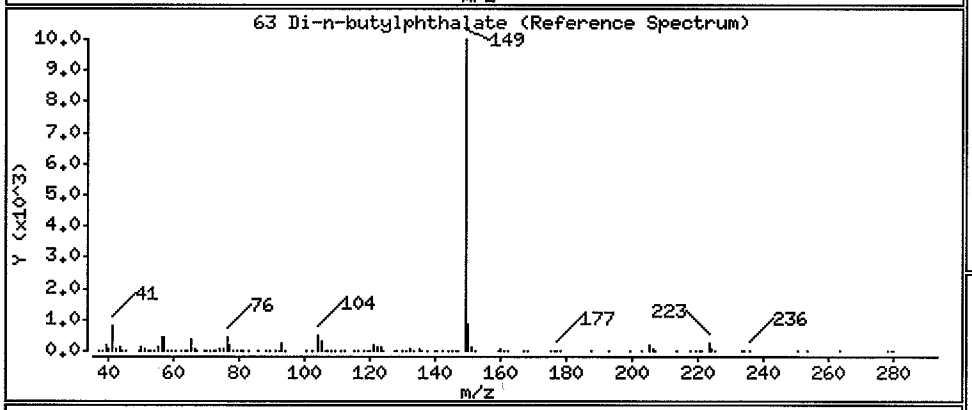
Column diameter: 0.32

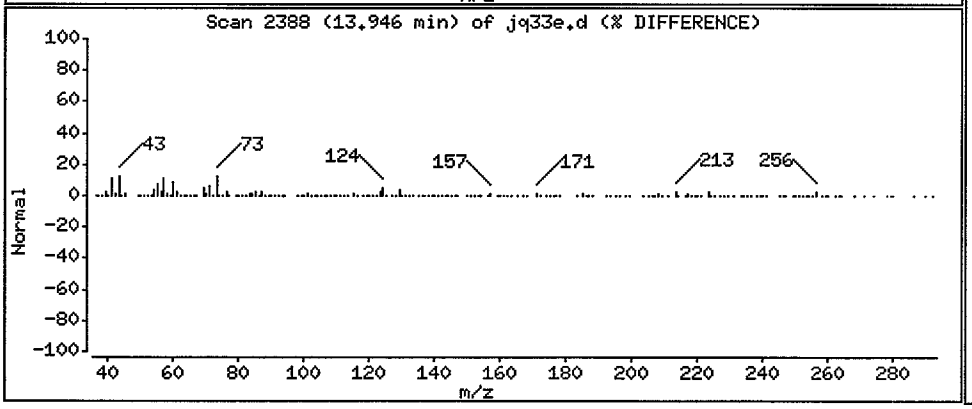
63 Di-n-butylphthalate

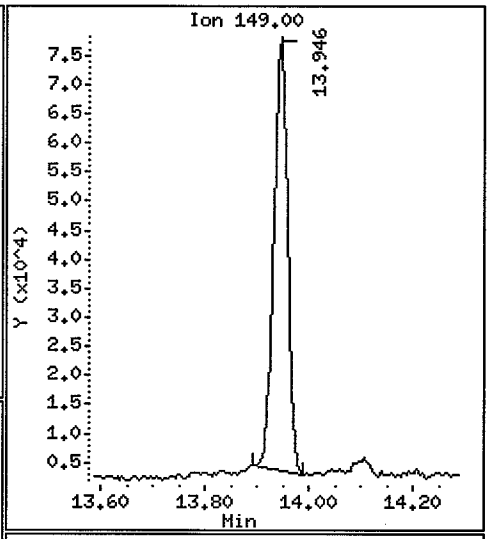
Concentration: 60.25 ug/kg

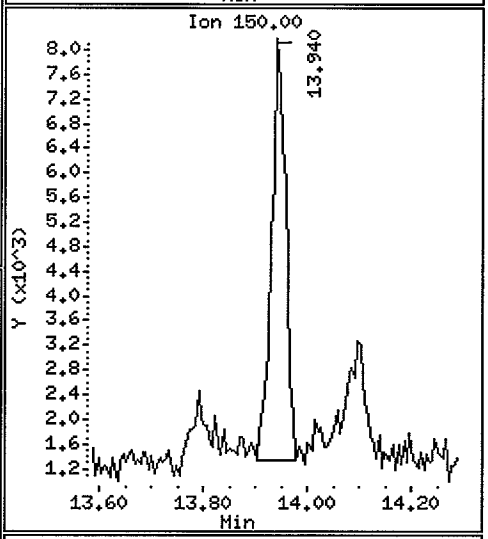


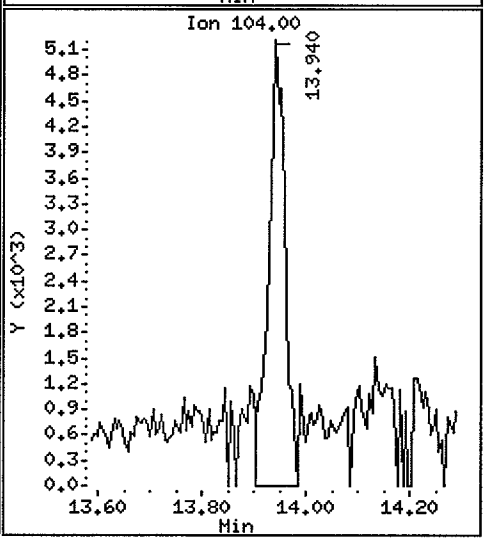












Data File: /chem1/nt6.i/20060801.b/jq33e.d

Date : 01-AUG-2006 18:35

Client ID: T4-B414-02-B

Instrument: nt6.i

Sample Info: JQ33E

Volume Injected (uL): 1.0

Operator: LJR

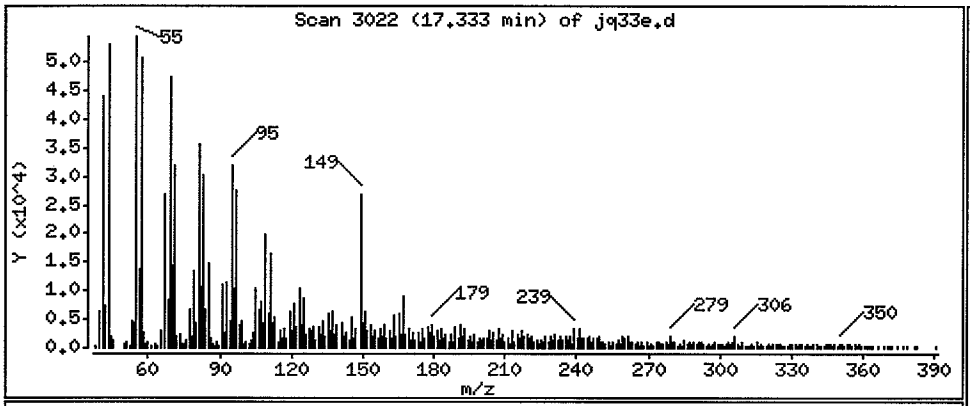
Column phase: ZB-5

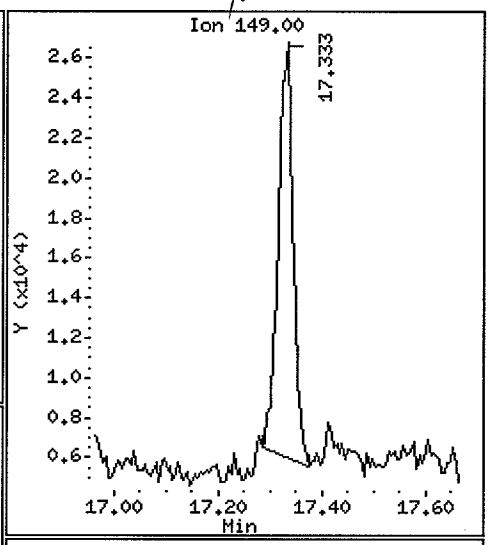
Column diameter: 0.32

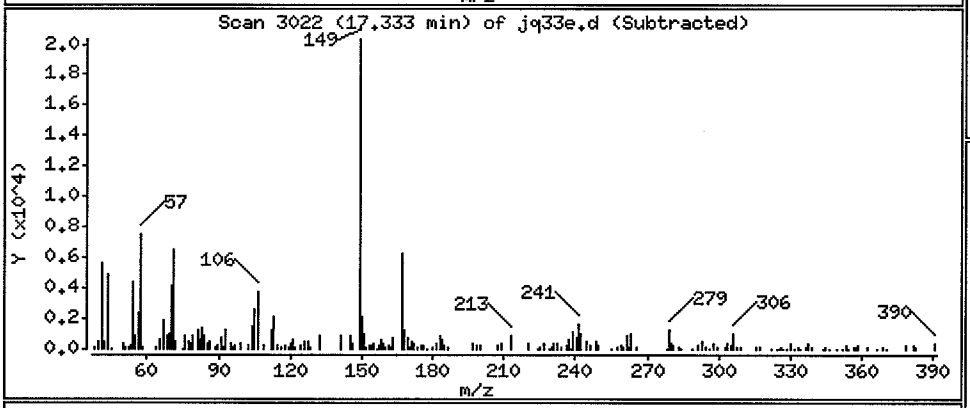
72 bis(2-Ethylhexyl)phthalate

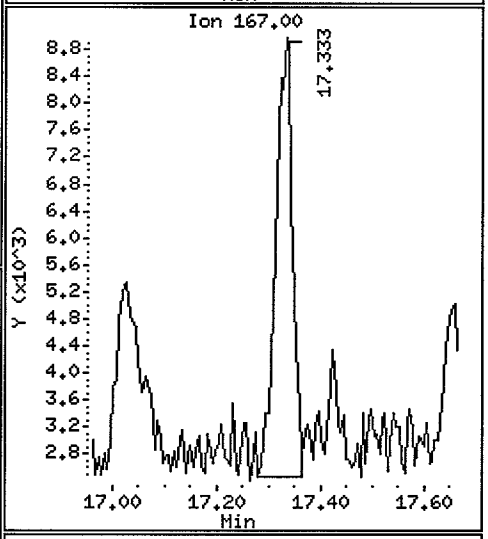
Concentration: 32.81 ug/kg

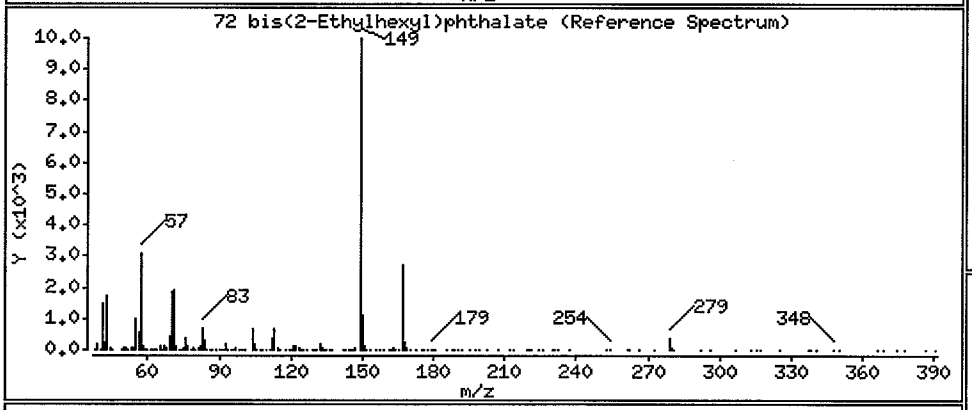
B

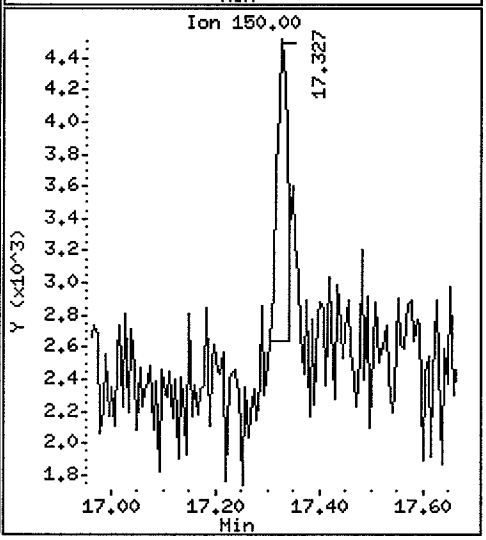


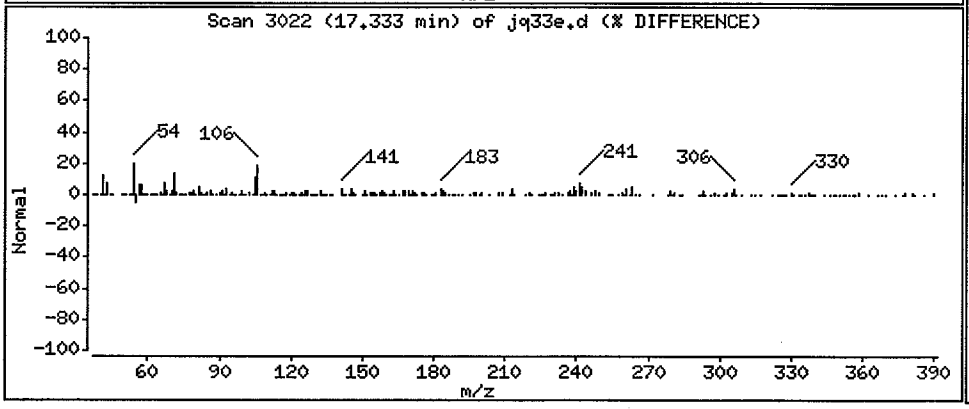




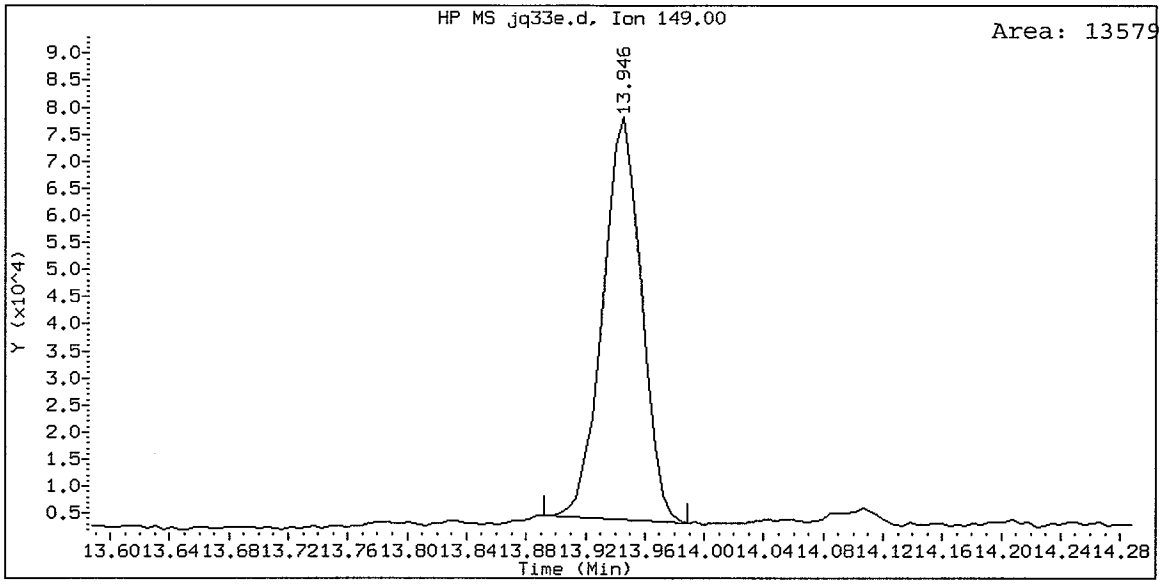


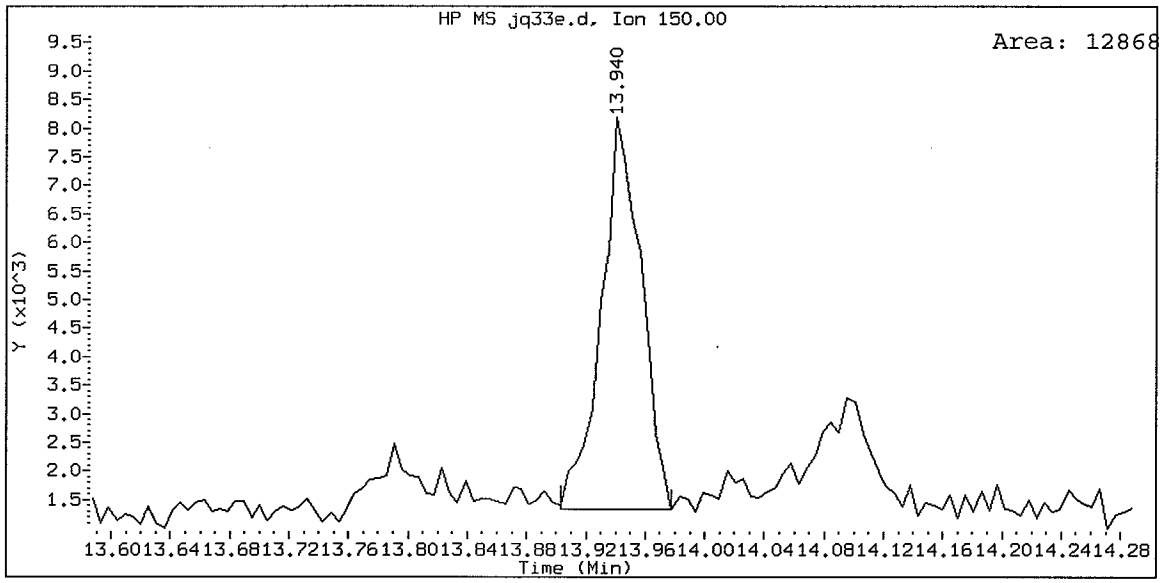


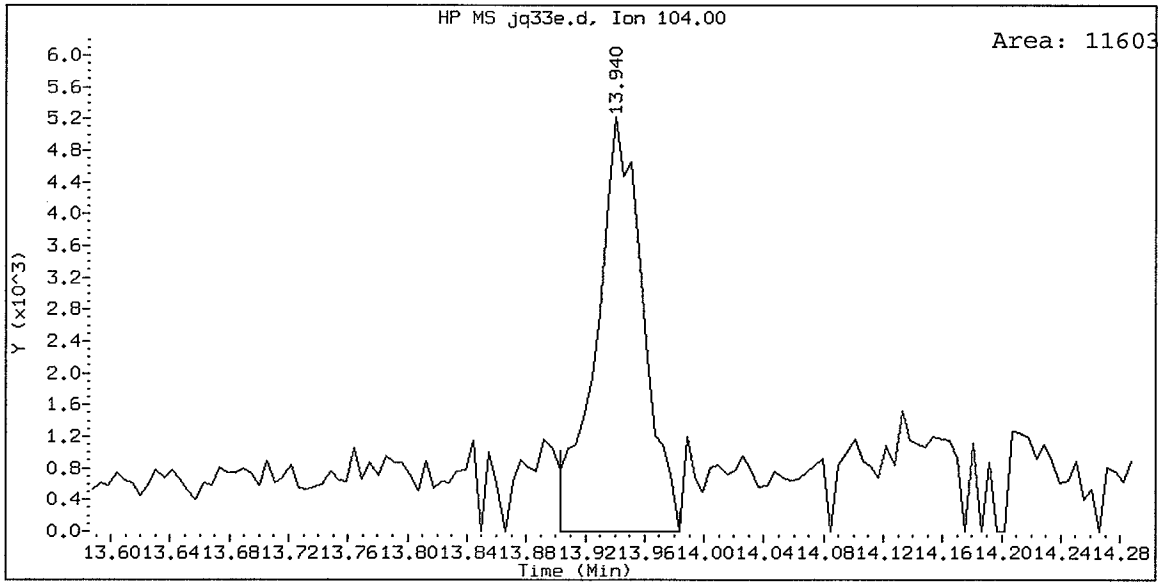




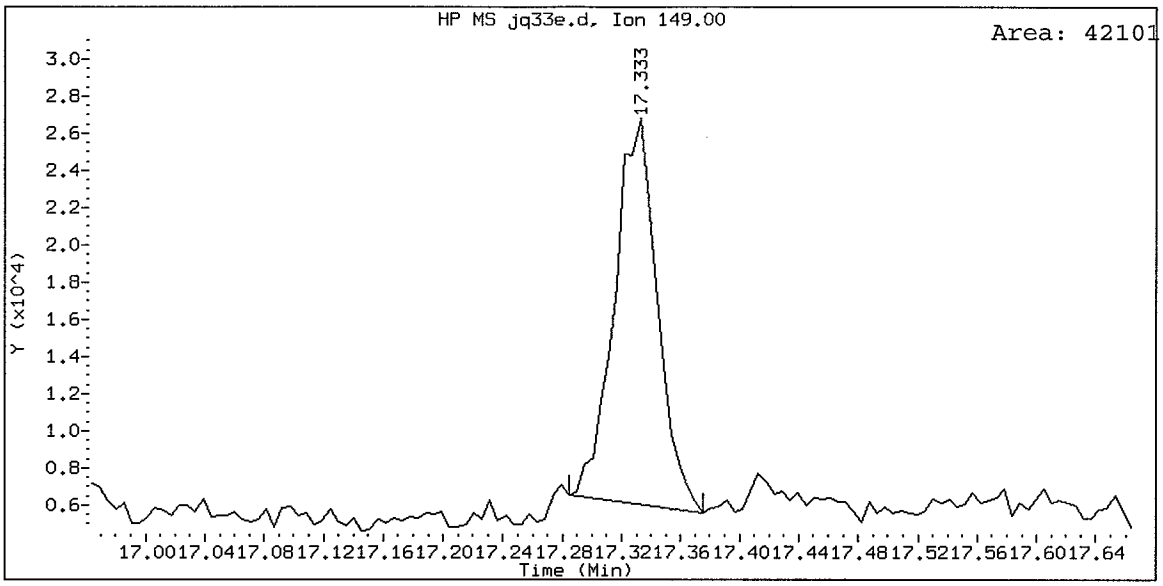
JQ33E, /chem1/nt6.i/20060801.b/jq33e.d
Di-n-butylphthalate Amount: 3.03

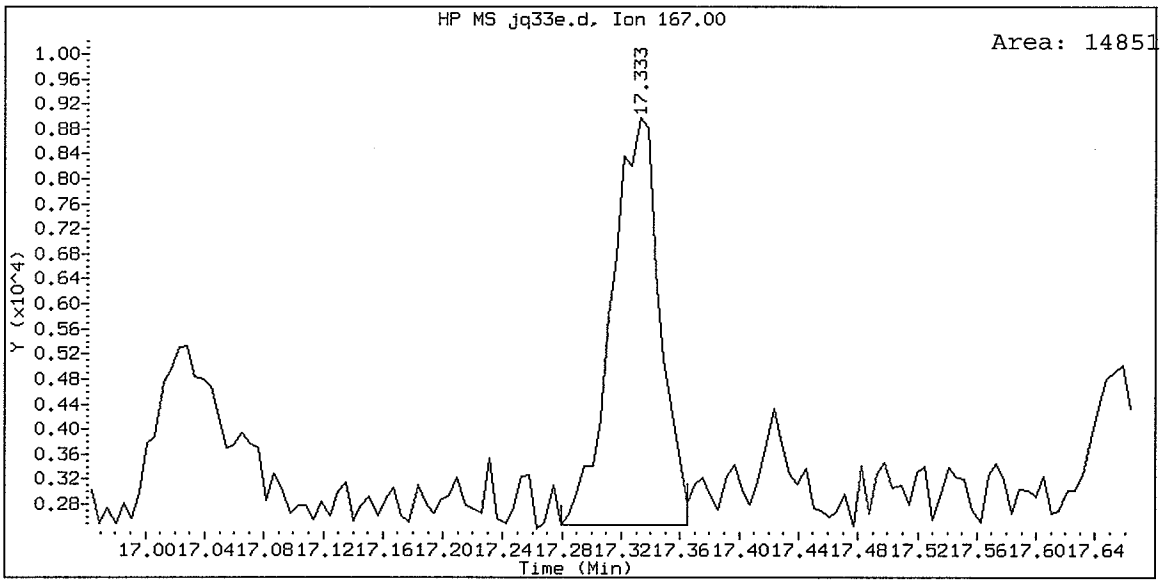


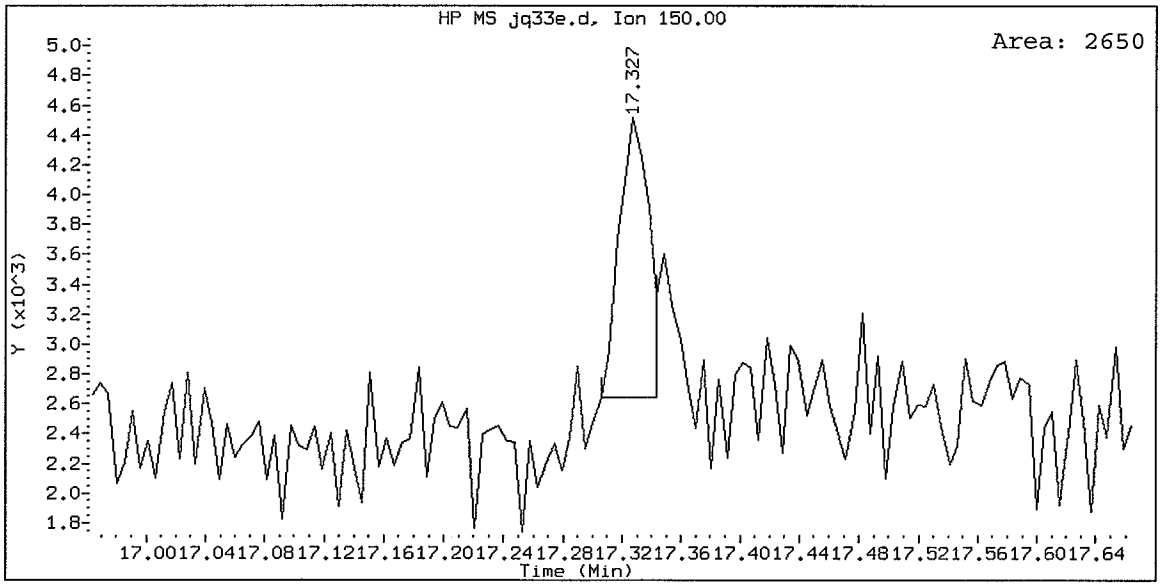




JQ33E, /chem1/nt6.i/20060801.b/jq33e.d
bis(2-Ethylhexyl)phthalate Amount: 1.65







ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	48.0%

0958

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060801.b/jq33f.d
Lab Smp Id: JQ33F Client Smp ID: T4-B414-02-C
Inj Date : 01-AUG-2006 19:06
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33F
Misc Info : 06-12928
Comment : 1ul Injection
Method : /chem1/nt6.i/20060801.b/SW846.m
Meth Date : 03-Aug-2006 13:22 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/3/06

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	97.30000	Weight of sample extracted (g)
M	48.20000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	3.560	3.485	(0.639)	359772	20.8496	413.7
$	2 Phenol-d5	99	5.398	5.307	(0.969)	462015	22.0974	438.4
	3 Phenol	94	5.419	5.323	(0.973)	27088	1.03973 B	20.63
$	5 2-Chlorophenol-d4	132	5.296	5.275	(0.951)	361451	20.3882	404.5
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	5.569	5.558	(1.000)	233847	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.863	5.852	(1.053)	137588	12.0393	238.9
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	6.514	6.498	(1.170)	13458	0.76125 DL	15.10
$	18 Nitrobenzene-d5	82	6.525	6.520	(0.859)	296979	13.1861	261.6
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	7.631	7.647	(1.004)	213661	21.3341	423.3(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.599	7.599	(1.000)	831962	20.0000	
	28 Naphthalene	128	7.626	7.631	(1.004)	107007	2.11574	41.98
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.742	8.742	(1.150)	96074	3.51215	69.68
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.415	9.421	(0.906)	499032	14.2392	282.5
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.393	10.393	(1.000)	469368	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.441	10.441	(1.005)	628269	20.8450	413.6
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.703	10.703	(1.030)	209696	5.05671	100.3
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	11.338	11.344	(1.091)	21417	0.67867 DL	13.47(M)
	49 Fluorene	166	11.242	11.237	(1.082)	438868	13.0463	258.8
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.664	11.659	(1.122)	104051	23.0540	457.4
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.690	12.679	(1.000)	722457	20.0000	
	60 Phenanthrene	178	12.738	12.711	(1.004)	4839219	100.618 E	1996
	61 Anthracene	178	12.797	12.781	(1.008)	803187	16.6350	330.1
	62 Carbazole	167	13.128	13.112	(1.035)	989860	25.4674	505.3

JQR

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	13.951	13.940	(1.099)	115522	2.48132 B	49.23
64	Fluoranthene	202	14.635	14.586	(1.153)	8890481	187.493 E	3720 (M)
65	Pyrene	202	14.960	14.912	(0.884)	7939725	115.842 E	2298
$ 66	Terphenyl-d14	244	15.350	15.329	(0.907)	518731	12.0385	238.9
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	16.905	16.846	(0.999)	7331116	119.315 E	2367
* 69	Chrysene-d12	240	16.921	16.862	(1.000)	813674	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	16.974	16.900	(1.003)	7661391	125.477 E	2490
72	bis(2-Ethylhexyl)phthalate	149	17.343	17.316	(0.949)	138744	4.91152 B	97.45 (M)
* 134	Di-n-octylphthalate-d4	153	18.278	18.235	(1.000)	1118797	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	18.561	18.449	(0.976)	10629527	187.998 E	3730 (M)
75	Benzo(k)fluoranthene	252	18.561	18.481	(0.976)	5075836	86.8162 E	1722 (M)
76	Benzo(a)pyrene	252	18.978	18.860	(0.997)	7105151	130.562 E	2590 (H)
* 77	Perylene-d12	264	19.026	18.946	(1.000)	861212	20.0000	(M)
78	Indeno(1,2,3-cd)pyrene	276	20.377	20.270	(1.071)	5628199	85.0124 E	1687
79	Dibenzo(a,h)anthracene	278	20.404	20.319	(1.072)	2382271	36.6321	726.8
80	Benzo(g,h,i)perylene	276	20.666	20.548	(1.086)	4812024	69.4129	1377
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	8.902	8.902	(1.172)	53360	1.86604	37.02
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

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

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33f.d
Lab Smp Id: JQ33F
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12928

Calibration Date: 01-AUG-2006
Calibration Time: 11:57
Client Smp ID: T4-B414-02-C
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	203506	101753	407012	233847	14.91
27 Naphthalene-d8	730969	365484	1461938	831962	13.82
42 Acenaphthene-d10	404762	202381	809524	469368	15.96
59 Phenanthrene-d10	594244	297122	1188488	722457	21.58
69 Chrysene-d12	406863	203432	813726	813674	99.99
134 Di-n-octylphthala	618730	309365	1237460	1118797	80.82
77 Perylene-d12	432016	216008	864032	861212	99.35

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.56	5.06	6.06	5.57	0.19
27 Naphthalene-d8	7.60	7.10	8.10	7.60	0.00
42 Acenaphthene-d10	10.39	9.89	10.89	10.39	0.00
59 Phenanthrene-d10	12.68	12.18	13.18	12.69	0.08
69 Chrysene-d12	16.86	16.36	17.36	16.92	0.35
134 Di-n-octylphthala	18.24	17.74	18.74	18.28	0.23
77 Perylene-d12	18.95	18.45	19.45	19.03	0.42

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

Analytical Resources, Inc.

RECOVERY REPORT

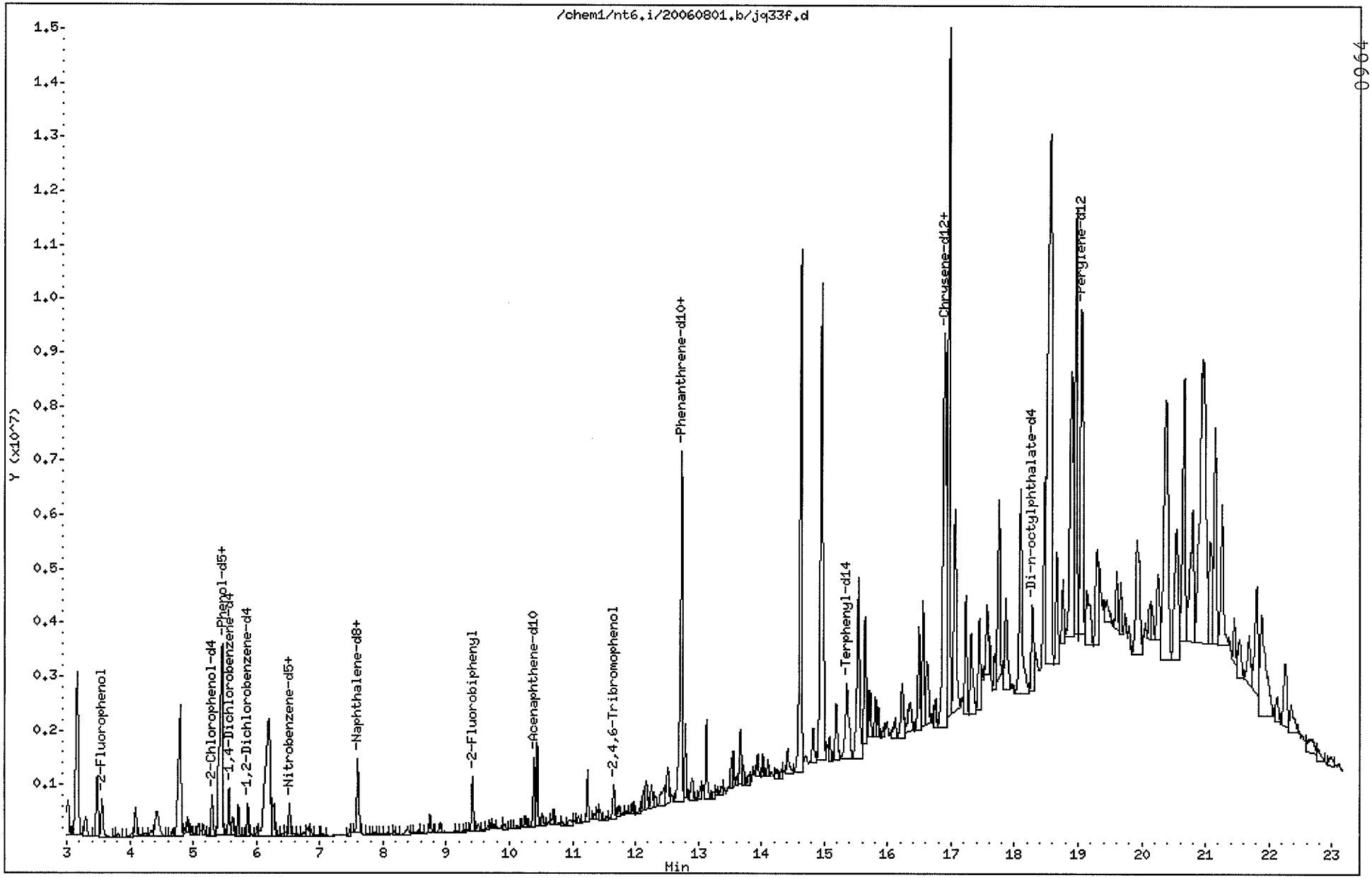
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33F
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12928

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-02-C
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	744.0	413.7	55.60	22-91
$ 2 Phenol-d5	744.0	438.4	58.93	26-99
$ 5 2-Chlorophenol-d4	744.0	404.5	54.37	29-96
$ 10 1,2-Dichlorobenzen	496.0	238.9	48.16	24-87
$ 18 Nitrobenzene-d5	496.0	261.6	52.74	27-101
$ 36 2-Fluorobiphenyl	496.0	282.5	56.96	30-100
$ 55 2,4,6-Tribromophen	744.0	457.4	61.48	20-114
$ 66 Terphenyl-d14	496.0	238.9	48.15	12-120

Data File: /chem1/nt6.i/20060801.b/jq33f.d
Date : 01-AUG-2006 19:06
Client ID: T4-B414-02-C
Sample Info: JQ33F
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



Data File: /chem1/nt6.i/20060801.b/jq33f.d

Date : 01-AUG-2006 19:06

Client ID: T4-B414-02-C

Instrument: nt6.i

Sample Info: JQ33F

Volume Injected (uL): 1.0

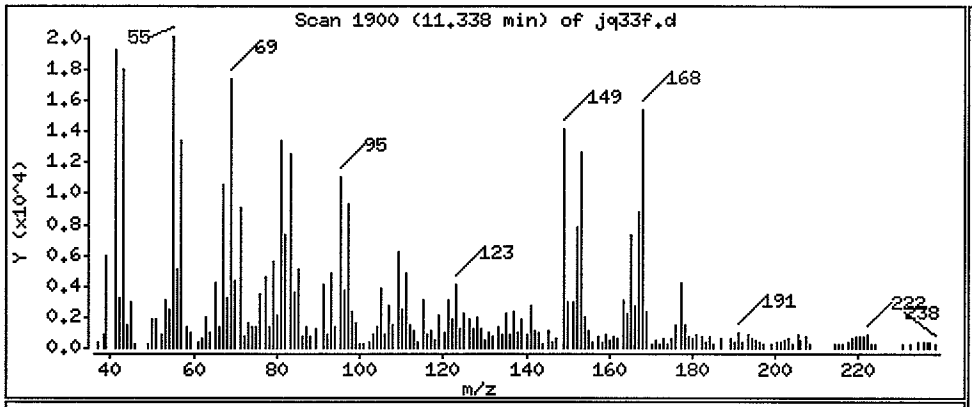
Operator: LJR

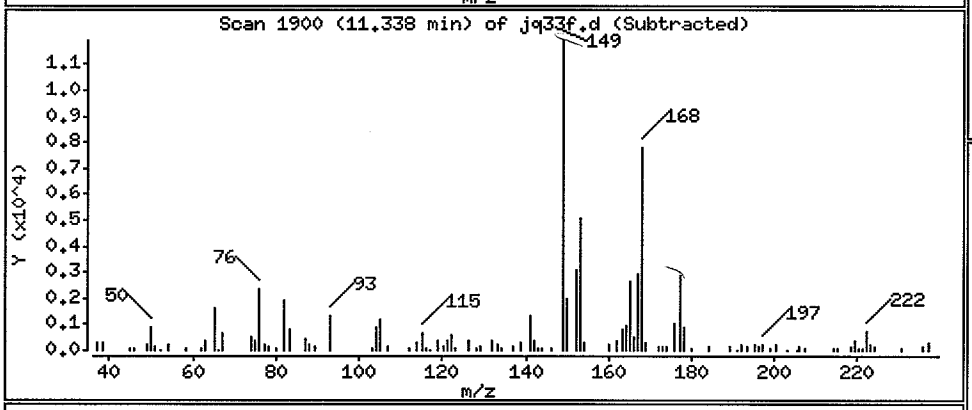
Column phase: ZB-5

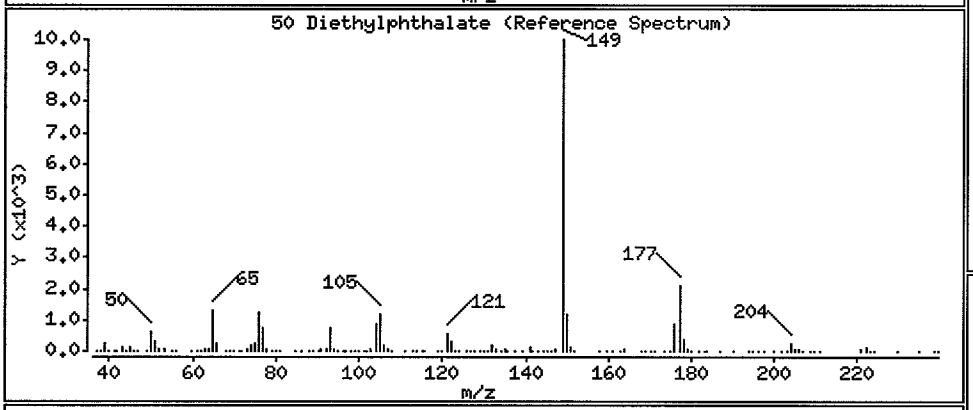
Column diameter: 0.32

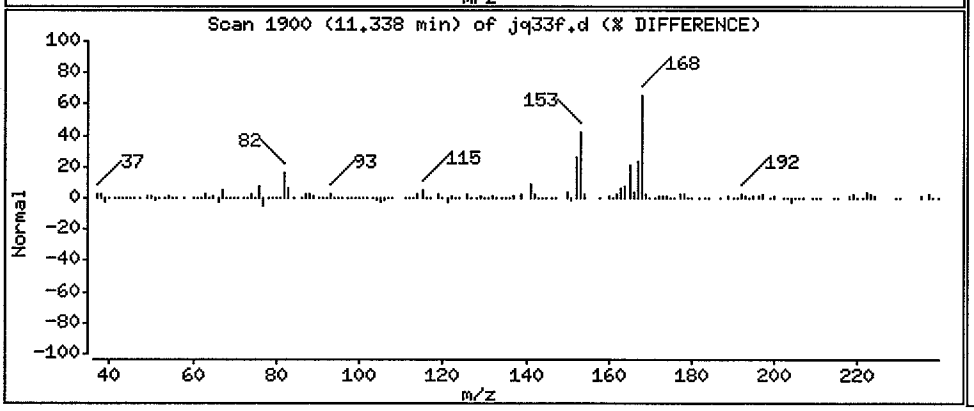
50 Diethylphthalate

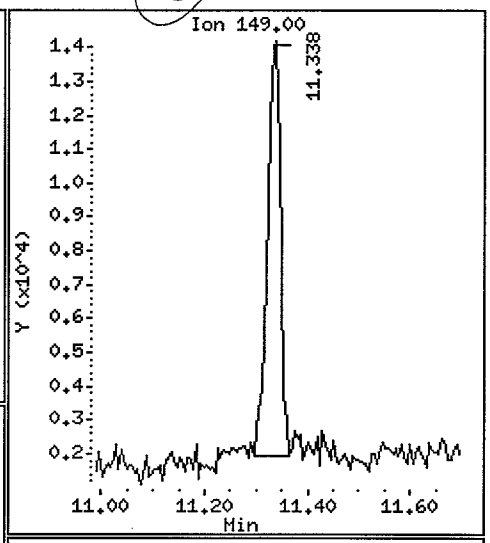
Concentration: 13.47 ug/kg

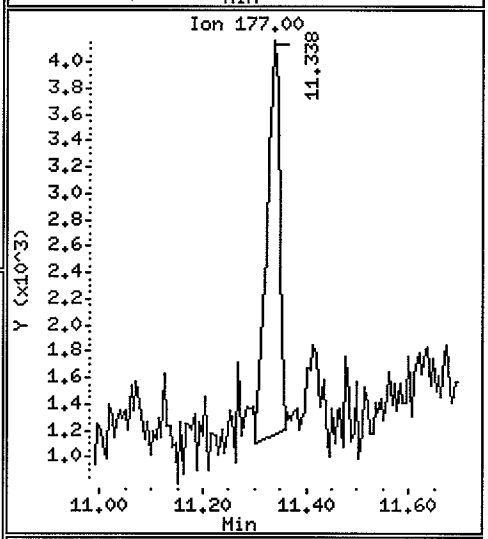


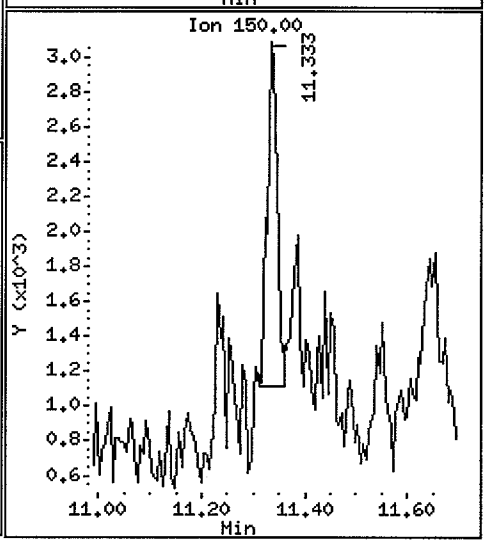












Data File: /chem1/nt6.i/20060801.b/jq33f.d

Date : 01-AUG-2006 19:06

Client ID: T4-B414-02-C

Instrument: nt6.i

Sample Info: JQ33F

Volume Injected (uL): 1.0

Operator: LJR

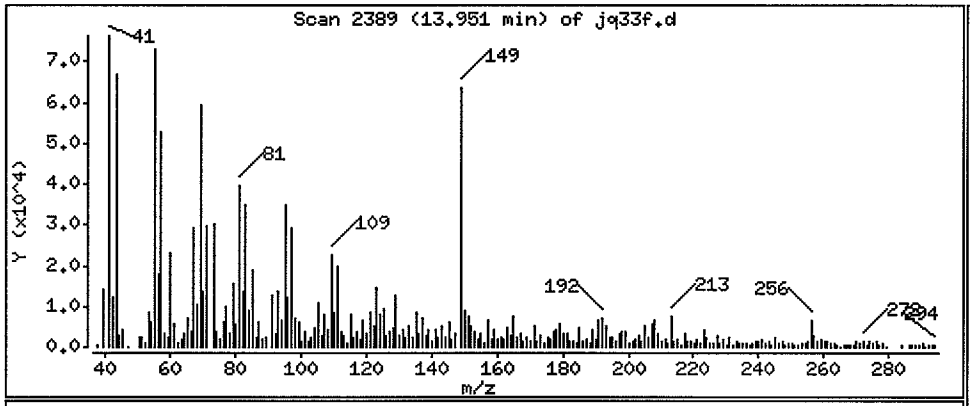
Column phase: ZB-5

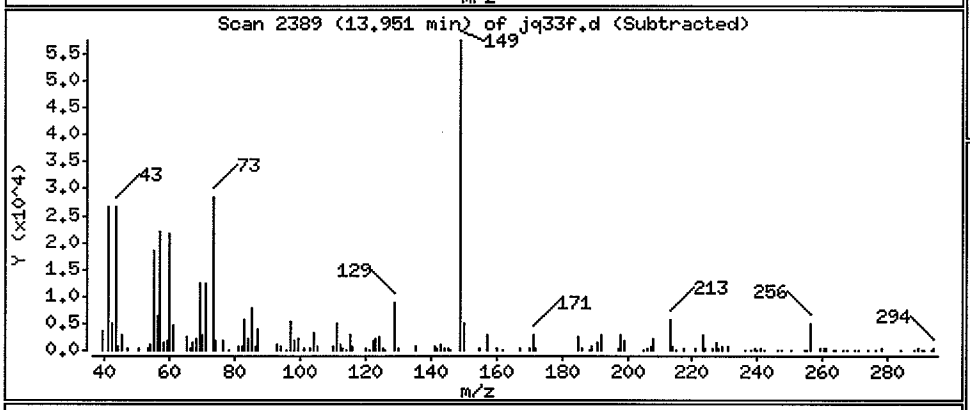
Column diameter: 0.32

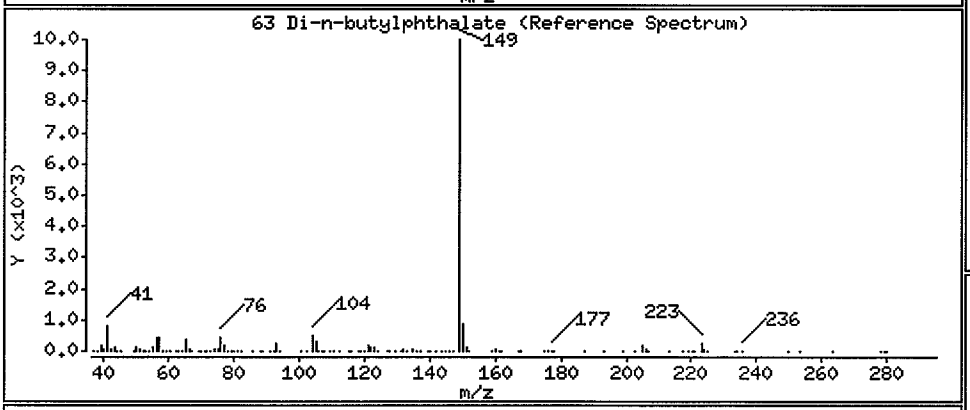
63 Di-n-butylphthalate

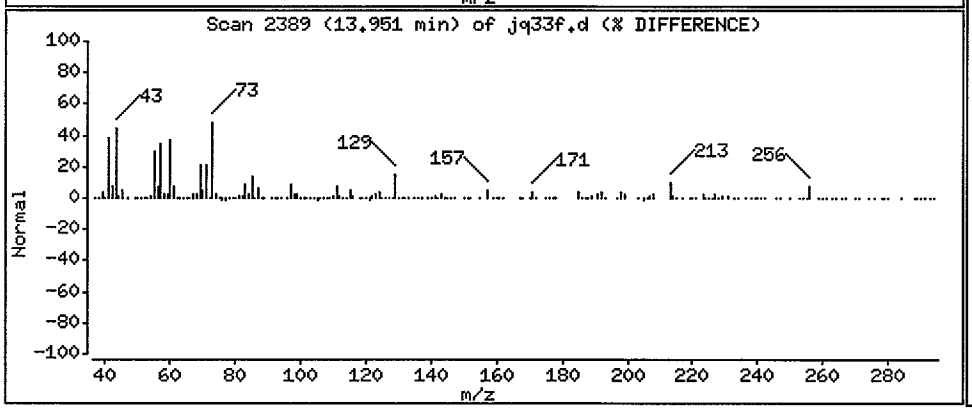
Concentration: 49.23 ug/kg

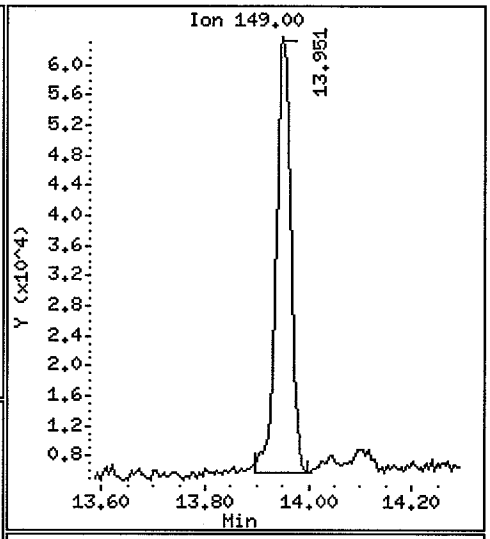
B

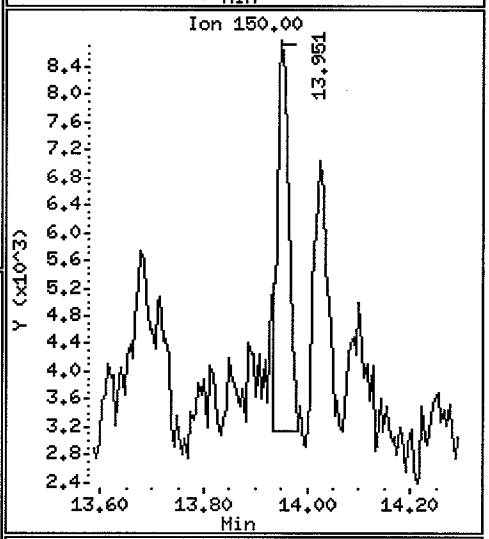


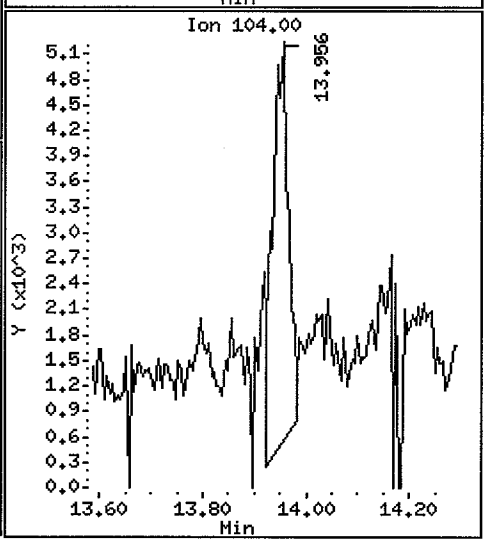












Data File: /chem1/nt6.i/20060801.b/jq33f.d

Date : 01-AUG-2006 19:06

Client ID: T4-B414-02-C

Instrument: nt6.i

Sample Info: JQ33F

Volume Injected (uL): 1.0

Operator: LJR

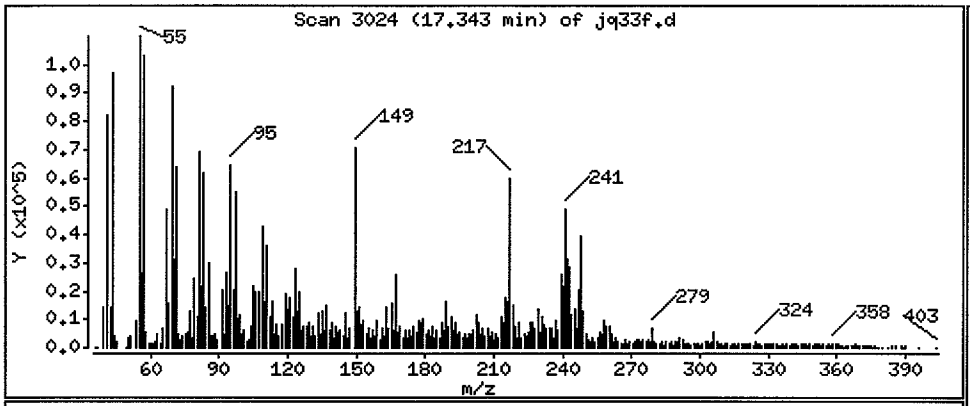
Column phase: ZB-5

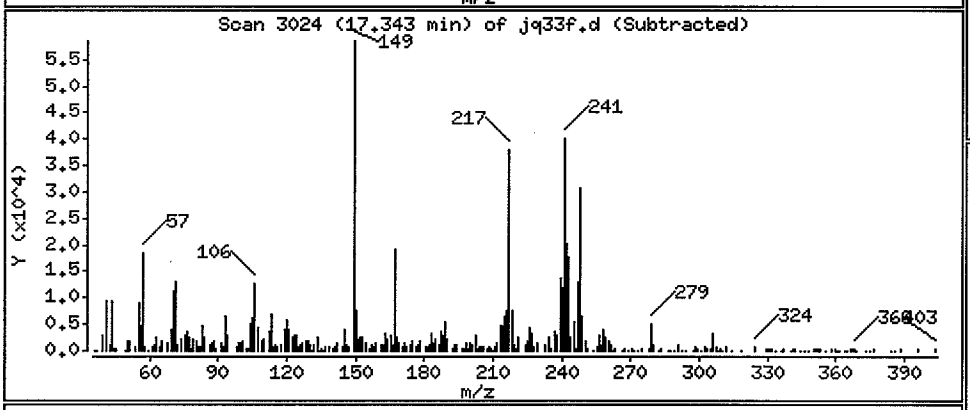
Column diameter: 0.32

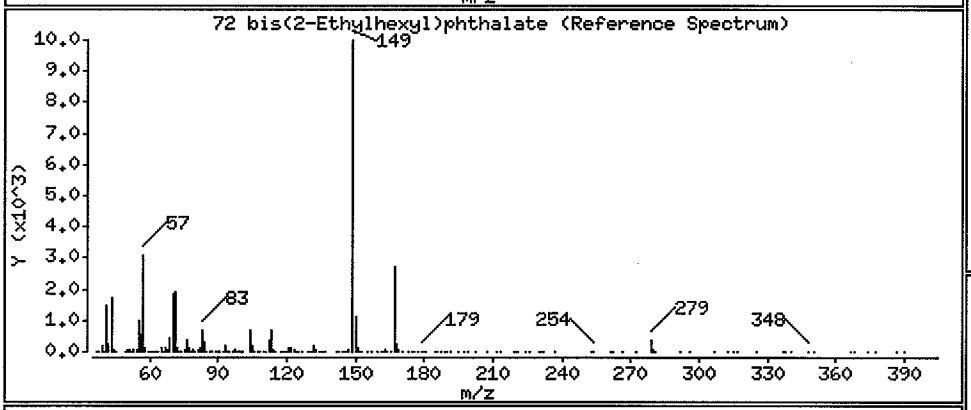
72 bis(2-Ethylhexyl)phthalate

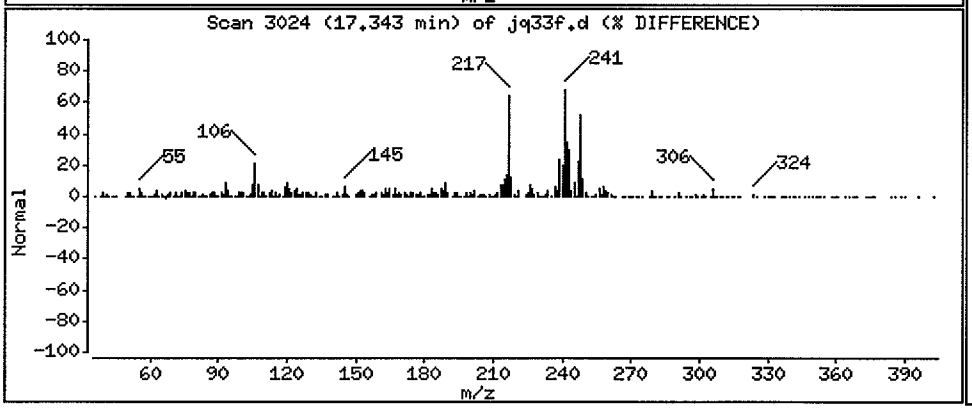
Concentration: 97.45 ug/kg

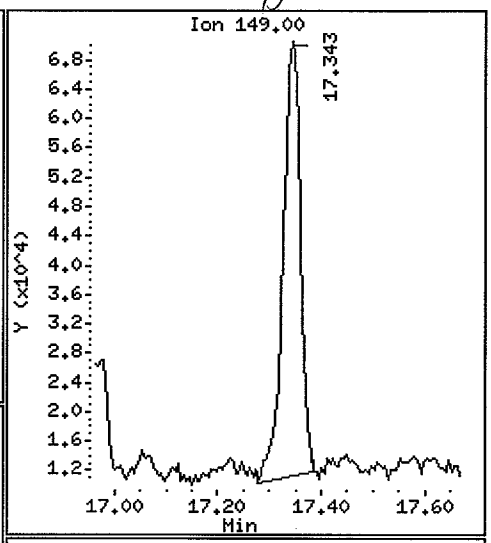
B

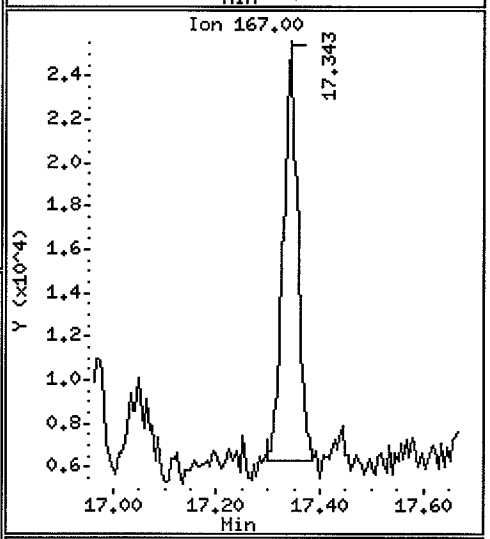


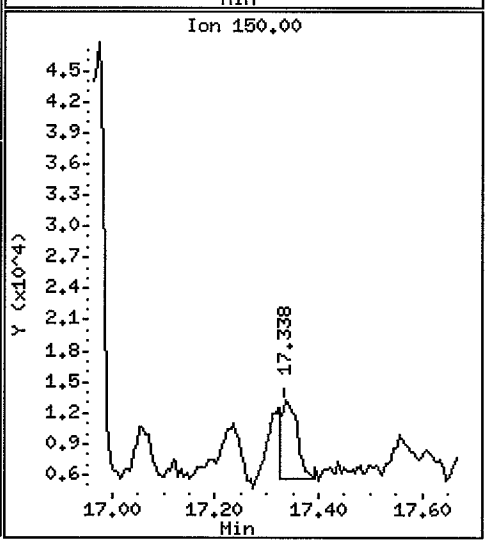












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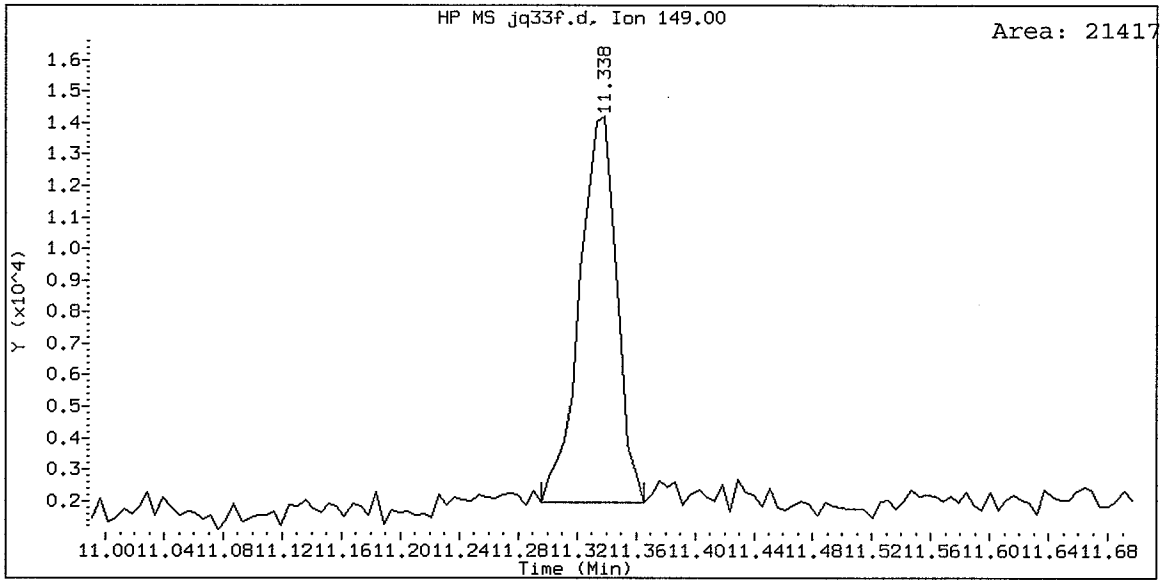
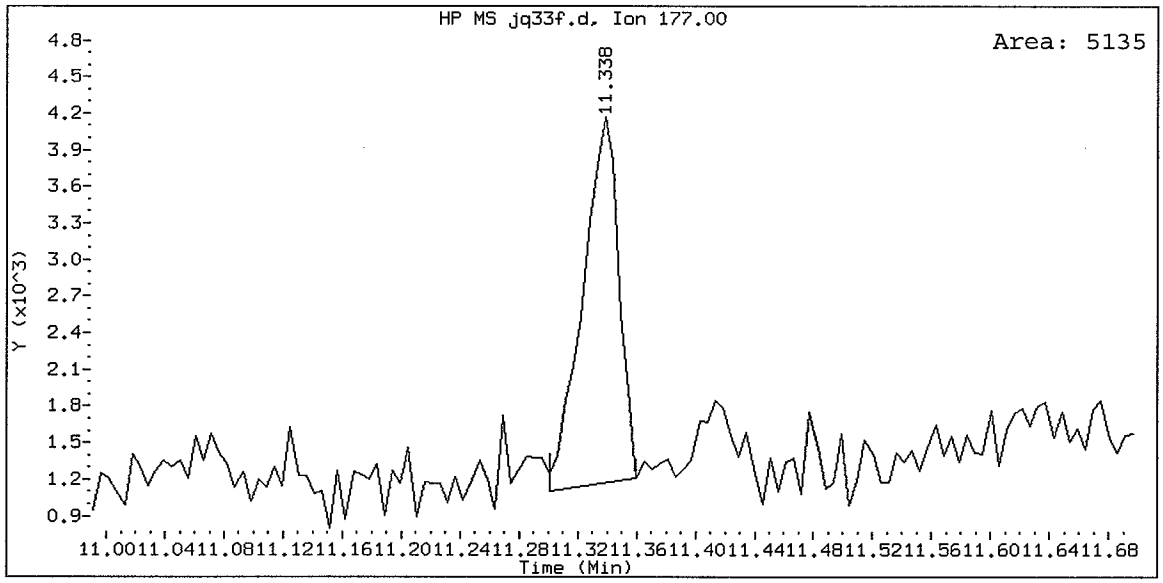
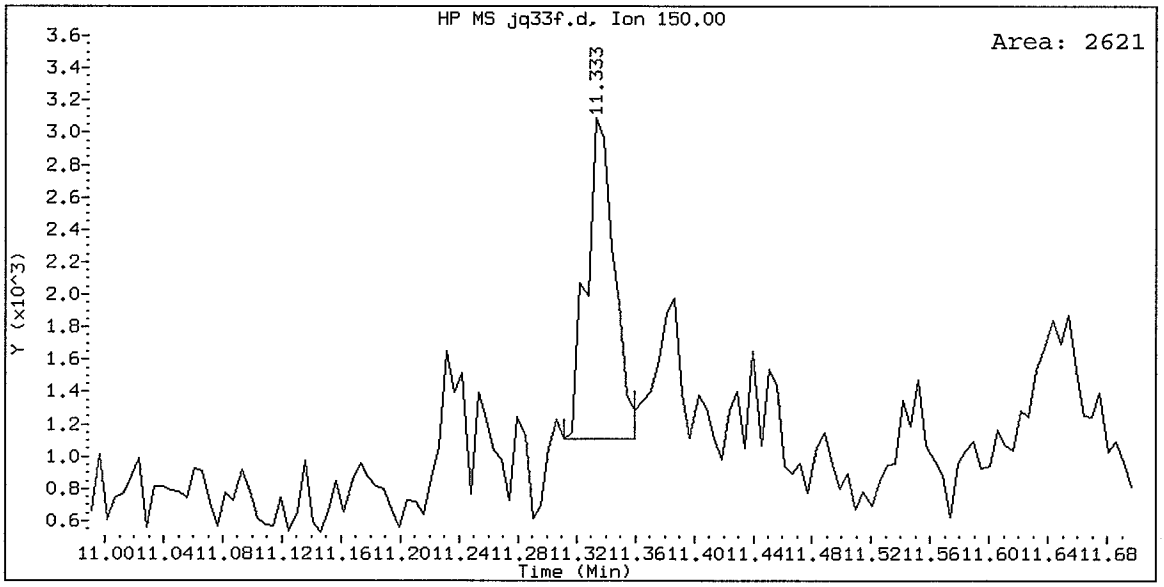
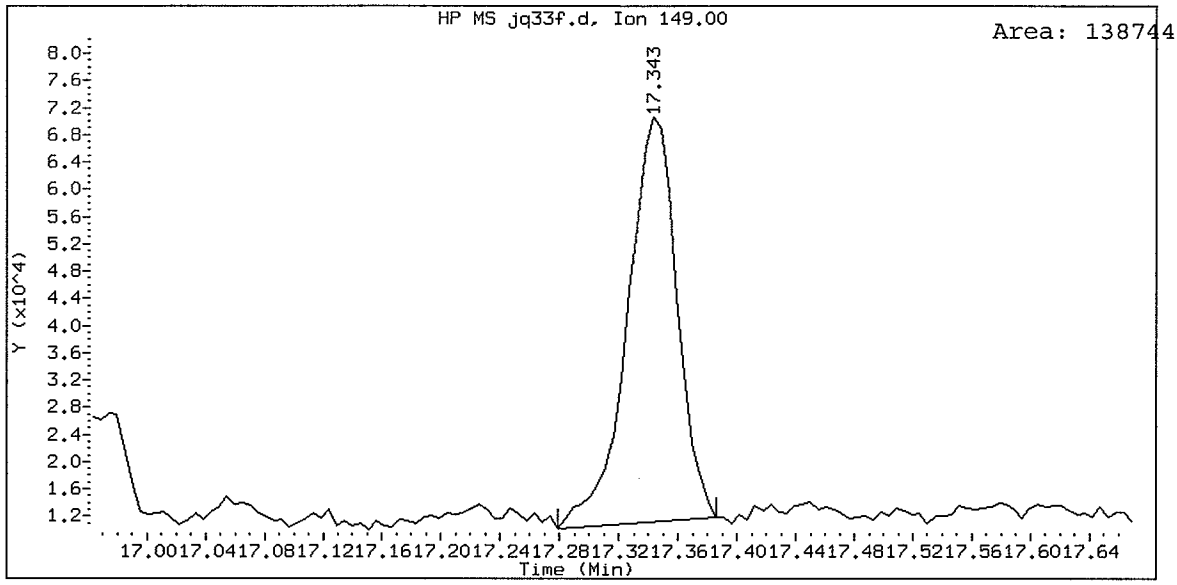
Diethylphthalate Amount: 0.68

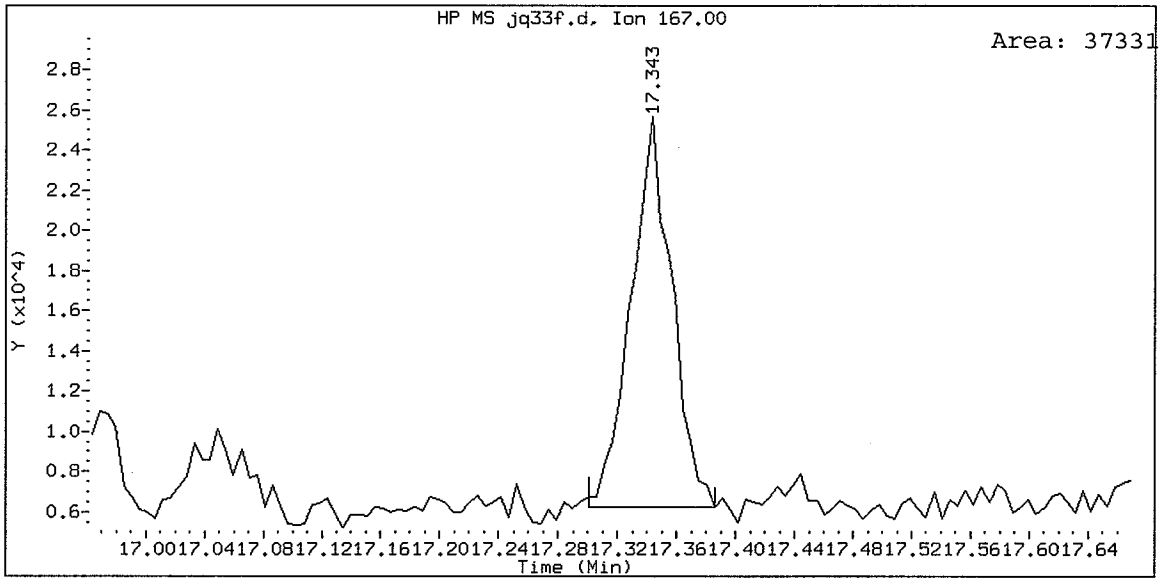


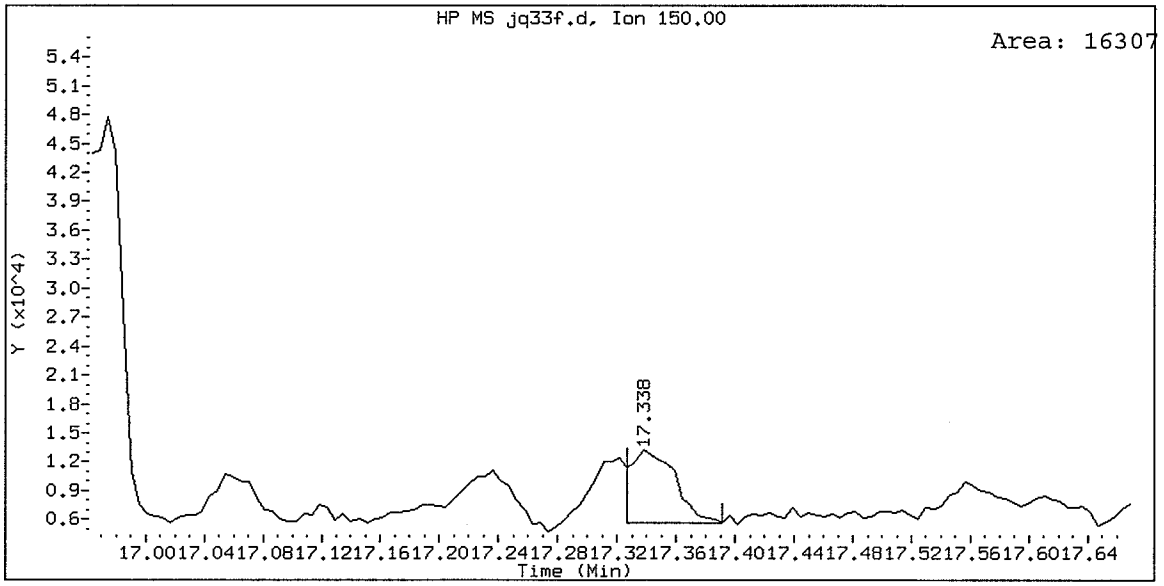




JQ33F, /chem1/nt6.i/20060801.b/jq33f.d
bis(2-Ethylhexyl)phthalate Amount: 4.91







ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	58.4%

0970

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060801.b/jq33g.d
Lab Smp Id: JQ33G Client Smp ID: T4-B414-03-A
Inj Date : 01-AUG-2006 19:36
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33G
Misc Info : 06-12929
Comment : 1ul Injection
Method : /chem1/nt6.i/20060801.b/SW846.m
Meth Date : 03-Aug-2006 13:22 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/3/06

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	100.00000	Weight of sample extracted (g)
M	49.80000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	3.573	3.485	(0.642)	420833	24.0723	479.5
$	2 Phenol-d5	99	5.336	5.307	(0.959)	543659	25.6655	511.3
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	5.299	5.275	(0.952)	419841	23.3750	465.6
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	5.566	5.558	(1.000)	236916	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.859	5.852	(1.053)	144720	12.4994	249.0(M)
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
16	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
15	4-Methylphenol	108	6.511	6.498	(1.170)	9630	0.53766 LDL	10.71
$ 18	Nitrobenzene-d5	82	6.522	6.520	(0.858)	340491	14.6288	291.4
19	Nitrobenzene	77	Compound Not Detected.					
20	Isophorone	82	Compound Not Detected.					
21	2-Nitrophenol	139	Compound Not Detected.					
22	2,4-Dimethylphenol	107	Compound Not Detected.					
23	Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
24	Benzoic acid	105	7.654	7.647	(1.007)	295687	28.5691	569.1(M)
25	2,4-Dichlorophenol	162	Compound Not Detected.					
26	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
* 27	Naphthalene-d8	136	7.601	7.599	(1.000)	859783	20.0000	
28	Naphthalene	128	7.628	7.631	(1.004)	156267	2.98973	59.56
29	4-Chloroaniline	127	Compound Not Detected.					
30	Hexachlorobutadiene	225	Compound Not Detected.					
31	4-Chloro-3-methylphenol	107	Compound Not Detected.					
32	2-Methylnaphthalene	141	8.744	8.742	(1.150)	77233	2.73203	54.42
33	Hexachlorocyclopentadiene	237	Compound Not Detected.					
34	2,4,6-Trichlorophenol	196	Compound Not Detected.					
35	2,4,5-Trichlorophenol	196	Compound Not Detected.					
$ 36	2-Fluorobiphenyl	172	9.417	9.421	(0.906)	575117	15.8866	316.5
37	2-Chloronaphthalene	162	Compound Not Detected.					
38	2-Nitroaniline	65	Compound Not Detected.					
39	Dimethylphthalate	163	Compound Not Detected.					
40	Acenaphthylene	152	Compound Not Detected.					
41	2,6-Dinitrotoluene	165	Compound Not Detected.					
* 42	Acenaphthene-d10	164	10.395	10.393	(1.000)	484838	20.0000	
43	3-Nitroaniline	138	Compound Not Detected.					
44	Acenaphthene	153	10.443	10.441	(1.005)	374782	12.0379	239.8
45	2,4-Dinitrophenol	184	Compound Not Detected.					
46	Dibenzofuran	168	10.699	10.703	(1.029)	155838	3.63805	72.47
47	4-Nitrophenol	109	Compound Not Detected.					
48	2,4-Dinitrotoluene	165	Compound Not Detected.					
50	Diethylphthalate	149	Compound Not Detected.					
49	Fluorene	166	11.239	11.237	(1.081)	269247	7.74856	154.4
51	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
52	4-Nitroaniline	138	Compound Not Detected.					
53	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
54	N-Nitrosodiphenylamine	169	Compound Not Detected.					
$ 55	2,4,6-Tribromophenol	330	11.666	11.659	(1.122)	124376	26.6780	531.4
56	4-Bromophenyl-phenylether	248	Compound Not Detected.					
57	Hexachlorobenzene	284	Compound Not Detected.					
58	Pentachlorophenol	266	Compound Not Detected.					
* 59	Phenanthrene-d10	188	12.692	12.679	(1.000)	726901	20.0000	
60	Phenanthrene	178	12.729	12.711	(1.003)	3247637	67.1130	1337
61	Anthracene	178	12.794	12.781	(1.008)	491505	10.1174	201.5
62	Carbazole	167	13.125	13.112	(1.034)	590891	15.1097	301.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)	
63	Di-n-butylphthalate	149	13.947	13.940	(1.099)	30197	0.64464	12.84	(M)
64	Fluoranthene	202	14.621	14.586	(1.152)	5914685	123.973	2470	
65	Pyrene	202	14.946	14.912	(0.884)	5104204	78.8281	1570	
$ 66	Terphenyl-d14	244	15.342	15.329	(0.908)	592857	14.5637	290.1	
67	Butylbenzylphthalate	149	Compound Not Detected.						
68	Benzo(a)anthracene	228	16.880	16.846	(0.999)	3873462	66.7291	1329	
* 69	Chrysene-d12	240	16.902	16.862	(1.000)	768703	20.0000		
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.						
71	Chrysene	228	16.950	16.900	(1.003)	4556228	78.9864	1573	
72	bis(2-Ethylhexyl)phthalate	149	17.334	17.316	(0.949)	108408	3.99053	79.49	
* 134	Di-n-octylphthalate-d4	153	18.264	18.235	(1.000)	1075931	20.0000		
73	Di-n-octylphthalate	149	Compound Not Detected.						
74	Benzo(b)fluoranthene	252	18.526	18.449	(0.975)	6179788	109.834	2188	(M)
75	Benzo(k)fluoranthene	252	18.531	18.481	(0.975)	3179899	54.6552	1089	(M)
76	Benzo(a)pyrene	252	18.937	18.860	(0.997)	4409681	81.4286	1622	
* 77	Perylene-d12	264	19.001	18.946	(1.000)	857008	20.0000		(M)
78	Indeno(1,2,3-cd)pyrene	276	20.347	20.270	(1.071)	3278229	49.7597	991.2	
79	Dibenzo(a,h)anthracene	278	20.374	20.319	(1.072)	1300624	20.0978	400.4	
80	Benzo(g,h,i)perylene	276	20.630	20.548	(1.086)	2697838	39.1069	779.0	
90	N-Nitrosodimethylamine	74	Compound Not Detected.						
91	Aniline	93	Compound Not Detected.						
93	Benzidine	184	Compound Not Detected.						
103	Pyridine	79	Compound Not Detected.						
105	1-methylnaphthalene	141	8.904	8.902	(1.171)	41538	1.40561	28.00	
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.						

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33g.d
Lab Smp Id: JQ33G
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12929

Calibration Date: 01-AUG-2006
Calibration Time: 11:57
Client Smp ID: T4-B414-03-A
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	203506	101753	407012	236916	16.42
27 Naphthalene-d8	730969	365484	1461938	859783	17.62
42 Acenaphthene-d10	404762	202381	809524	484838	19.78
59 Phenanthrene-d10	594244	297122	1188488	726901	22.32
69 Chrysene-d12	406863	203432	813726	768703	88.93
134 Di-n-octylphthala	618730	309365	1237460	1075931	73.89
77 Perylene-d12	432016	216008	864032	857008	98.37

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.56	5.06	6.06	5.57	0.13
27 Naphthalene-d8	7.60	7.10	8.10	7.60	0.03
42 Acenaphthene-d10	10.39	9.89	10.89	10.39	0.02
59 Phenanthrene-d10	12.68	12.18	13.18	12.69	0.10
69 Chrysene-d12	16.86	16.36	17.36	16.90	0.23
134 Di-n-octylphthala	18.24	17.74	18.74	18.26	0.16
77 Perylene-d12	18.95	18.45	19.45	19.00	0.29

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

Analytical Resources, Inc.

RECOVERY REPORT

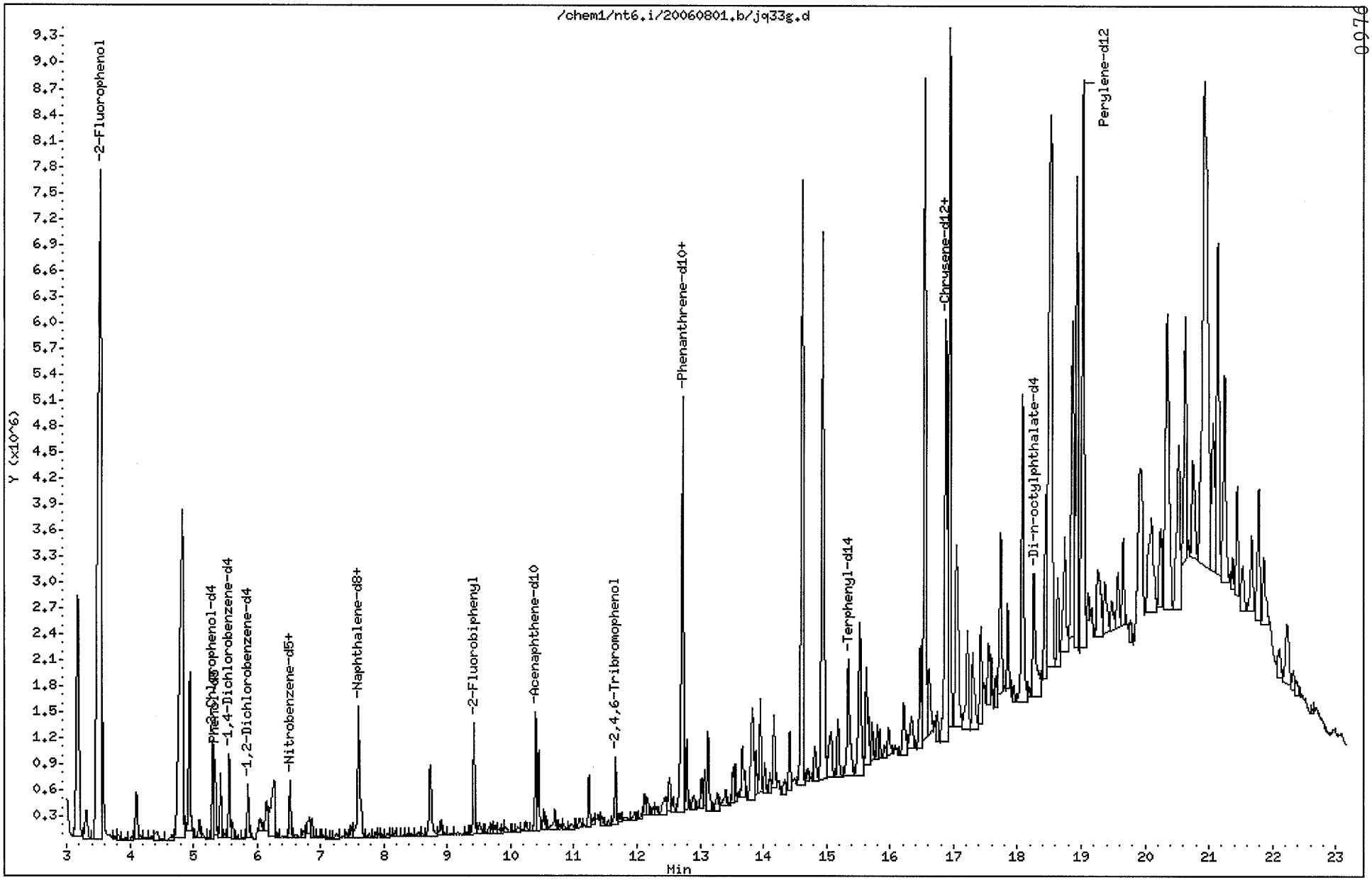
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33G
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12929

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-03-A
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	747.0	479.5	64.19	22-91
$ 2 Phenol-d5	747.0	511.3	68.44	26-99
$ 5 2-Chlorophenol-d4	747.0	465.6	62.33	29-96
$ 10 1,2-Dichlorobenzen	498.0	249.0	50.00	24-87
$ 18 Nitrobenzene-d5	498.0	291.4	58.52	27-101
$ 36 2-Fluorobiphenyl	498.0	316.5	63.55	30-100
$ 55 2,4,6-Tribromophen	747.0	531.4	71.14	20-114
$ 66 Terphenyl-d14	498.0	290.1	58.25	12-120

Data File: /chem1/nt6.i/20060801.b/jq33g.d
Date : 01-AUG-2006 19:36
Client ID: T4-B414-03-A
Sample Info: JQ33G
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



Data File: /chem1/nt6.i/20060801.b/jq33g.d

Date : 01-AUG-2006 19:36

Client ID: T4-B414-03-A

Instrument: nt6.i

Sample Info: JQ33G

Volume Injected (uL): 1.0

Operator: LJR

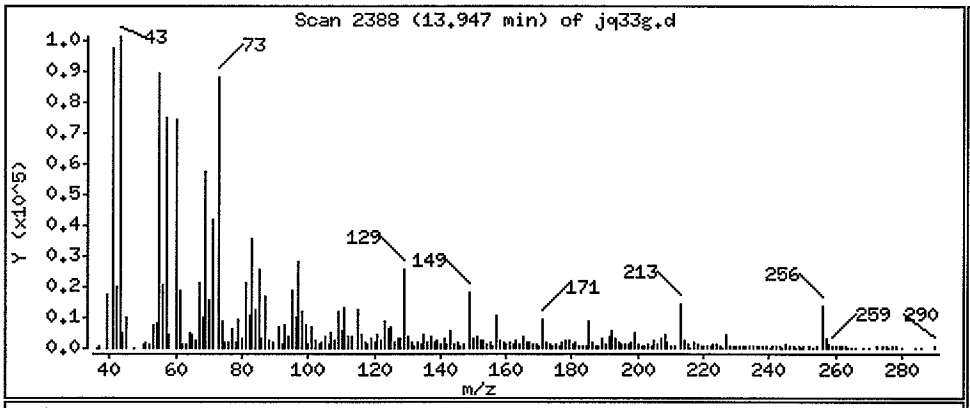
Column phase: ZB-5

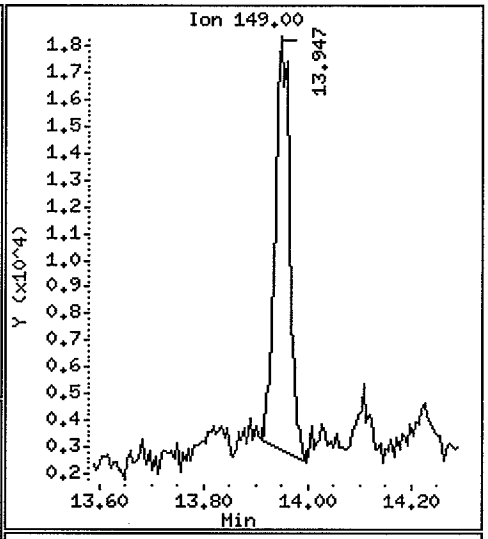
Column diameter: 0.32

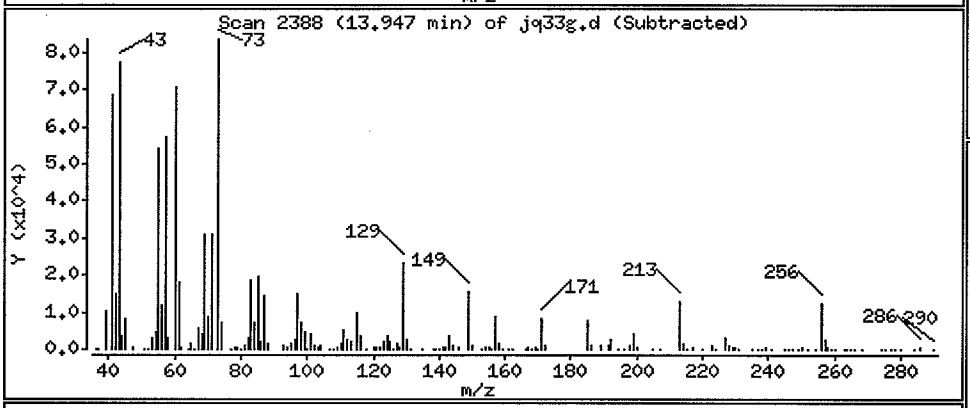
63 Di-n-butylphthalate

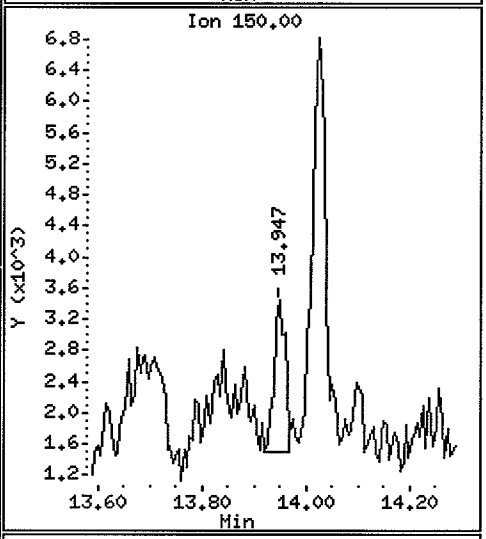
Concentration: 12.84 ug/kg

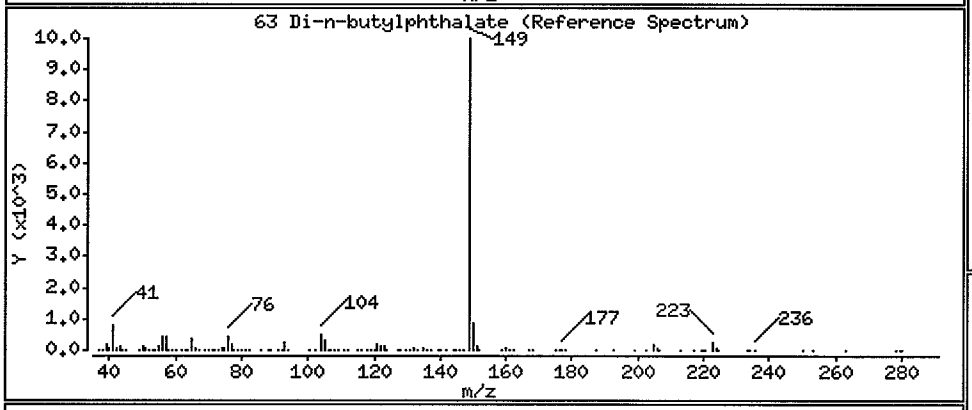
(B) LJR NOT Reported 8/10/06

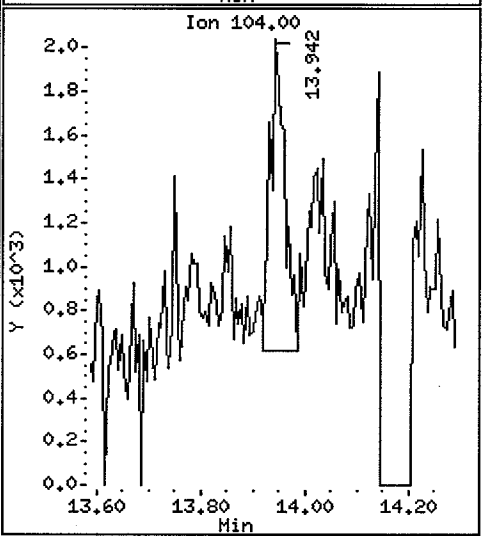


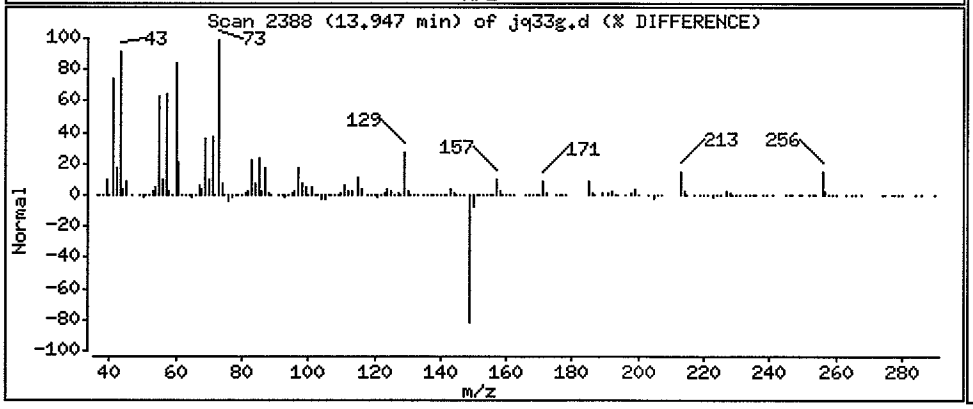












Data File: /chem1/nt6.i/20060801.b/jq33g.d

Date : 01-AUG-2006 19:36

Client ID: T4-B414-03-A

Instrument: nt6.i

Sample Info: JQ33G

Volume Injected (uL): 1.0

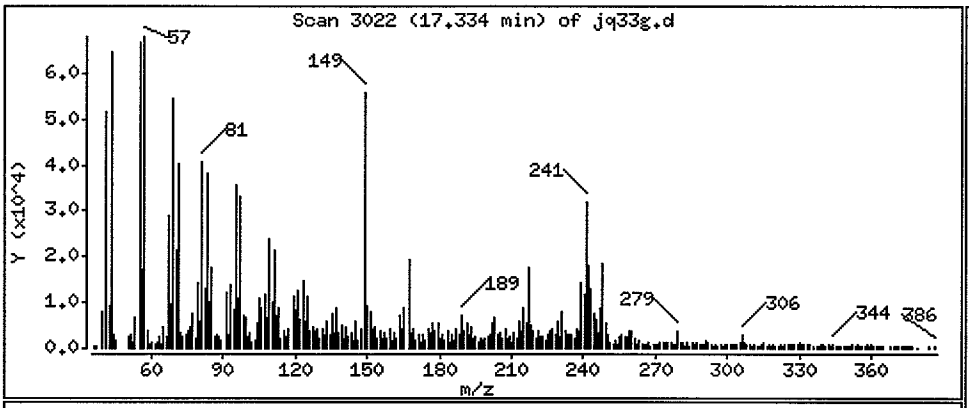
Operator: LJR

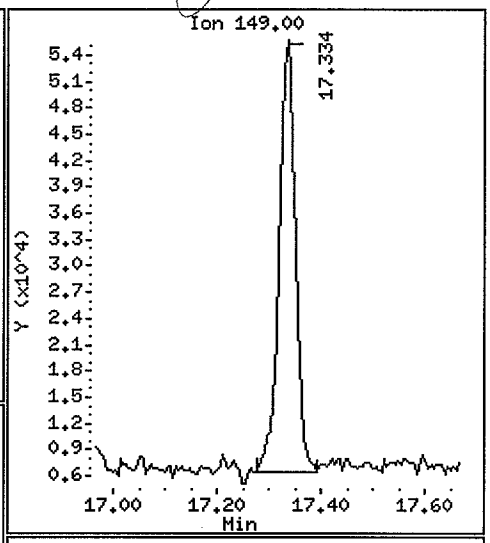
Column phase: ZB-5

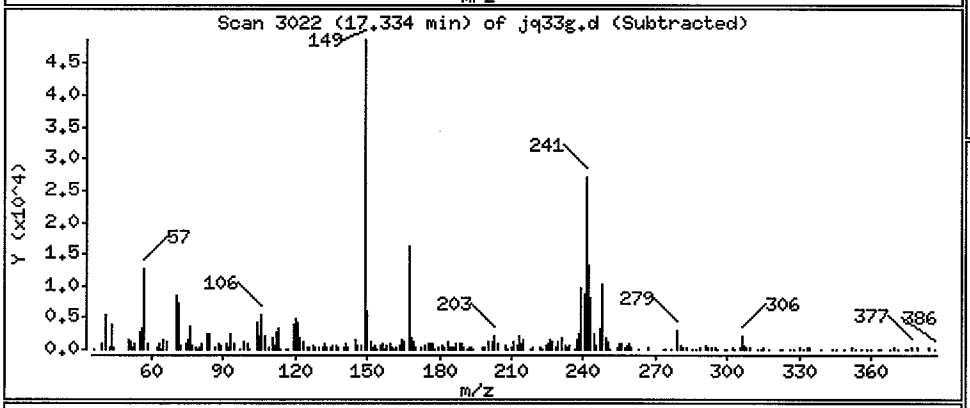
Column diameter: 0.32

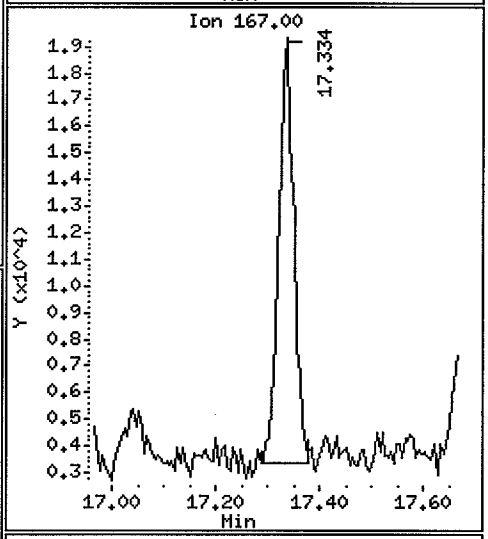
72 bis(2-Ethylhexyl)phthalate

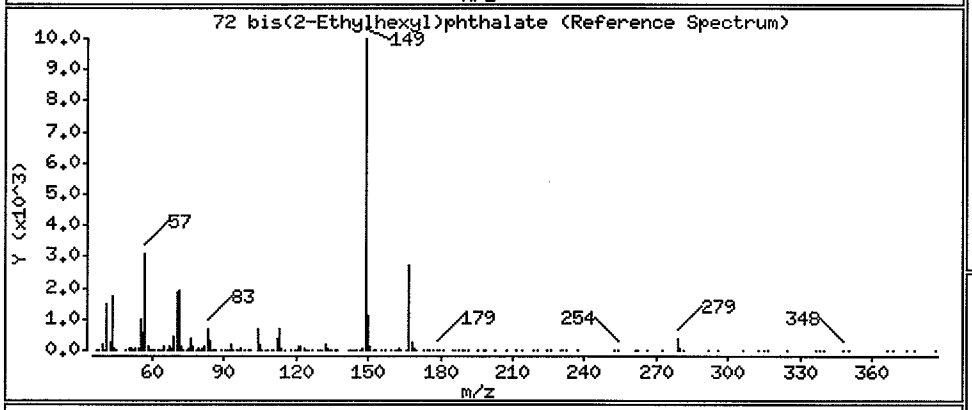
Concentration: 79.49 ug/kg

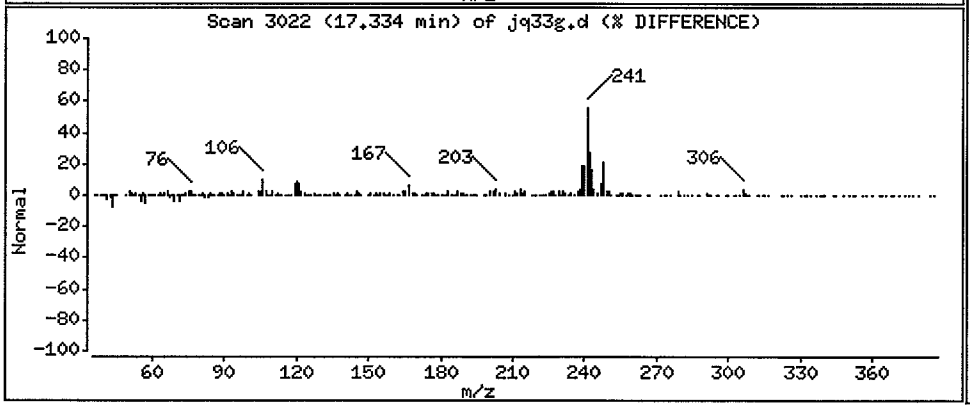


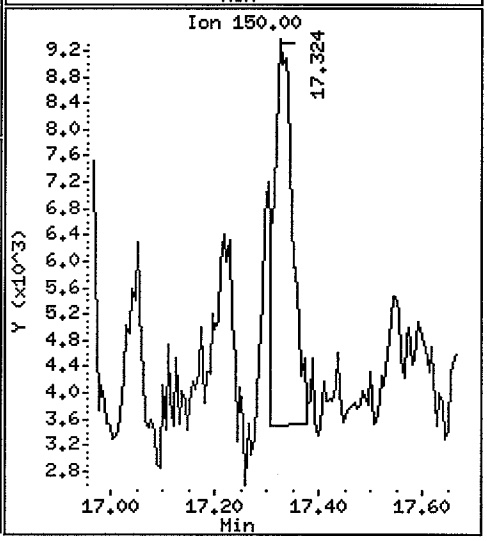




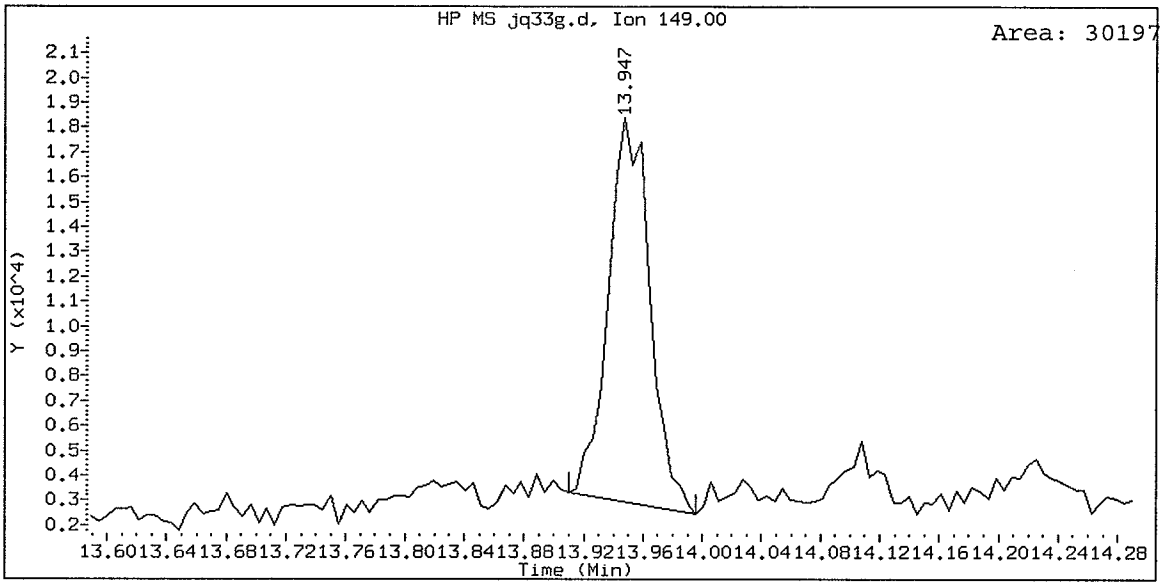


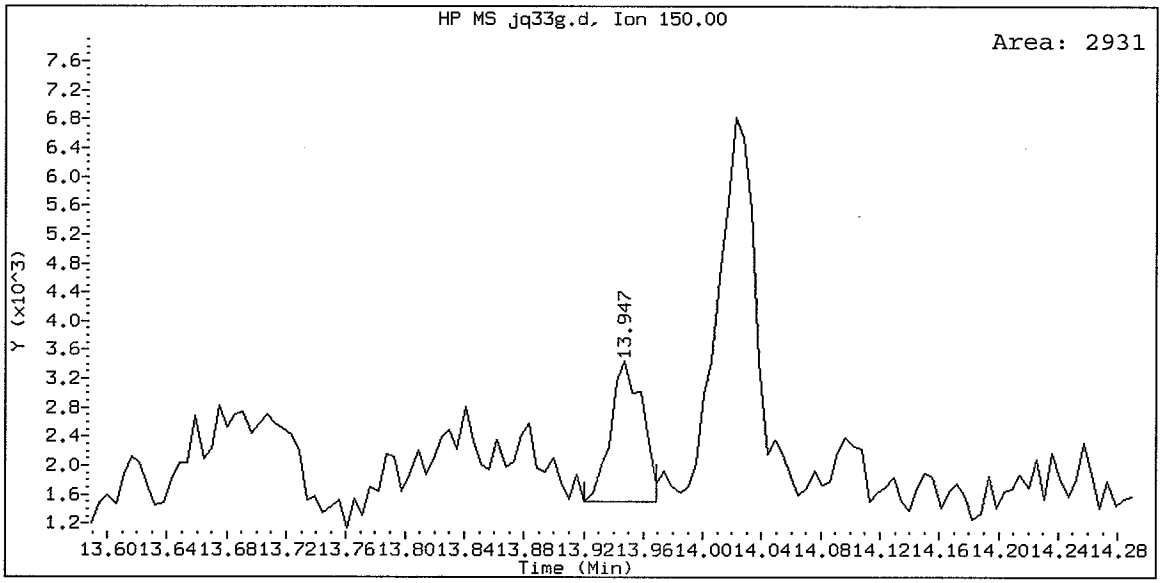


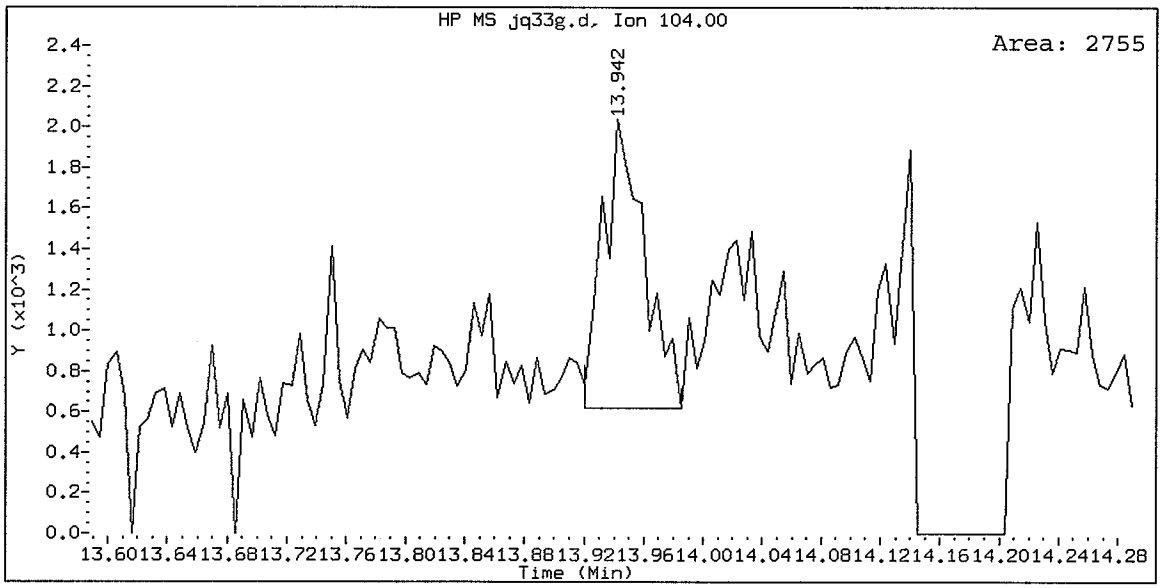




JQ33G, /chem1/nt6.i/20060801.b/jq33g.d
Di-n-butylphthalate Amount: 0.64







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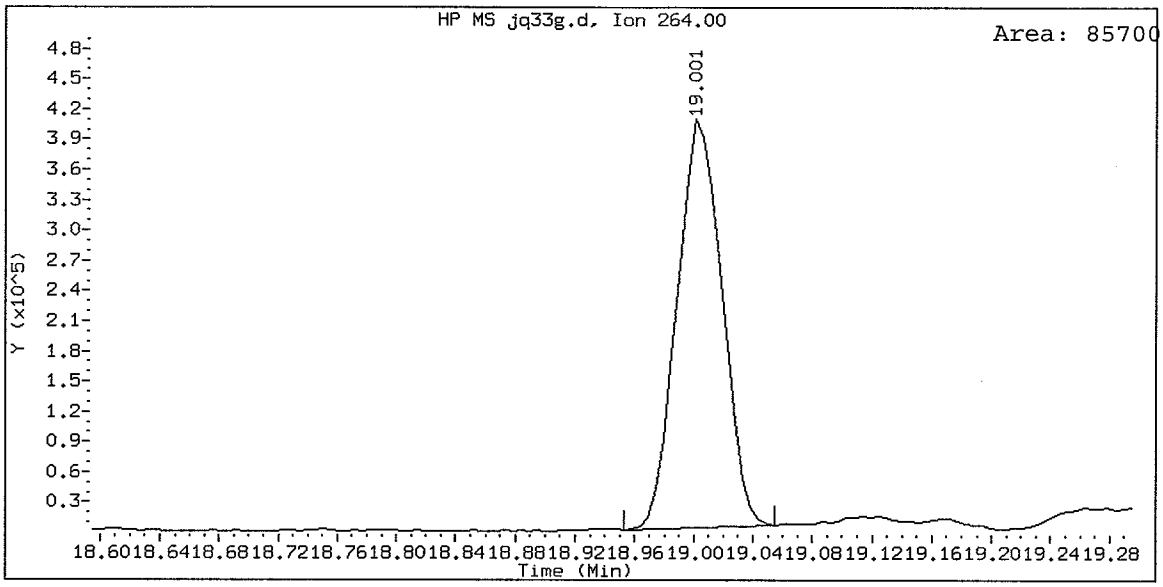
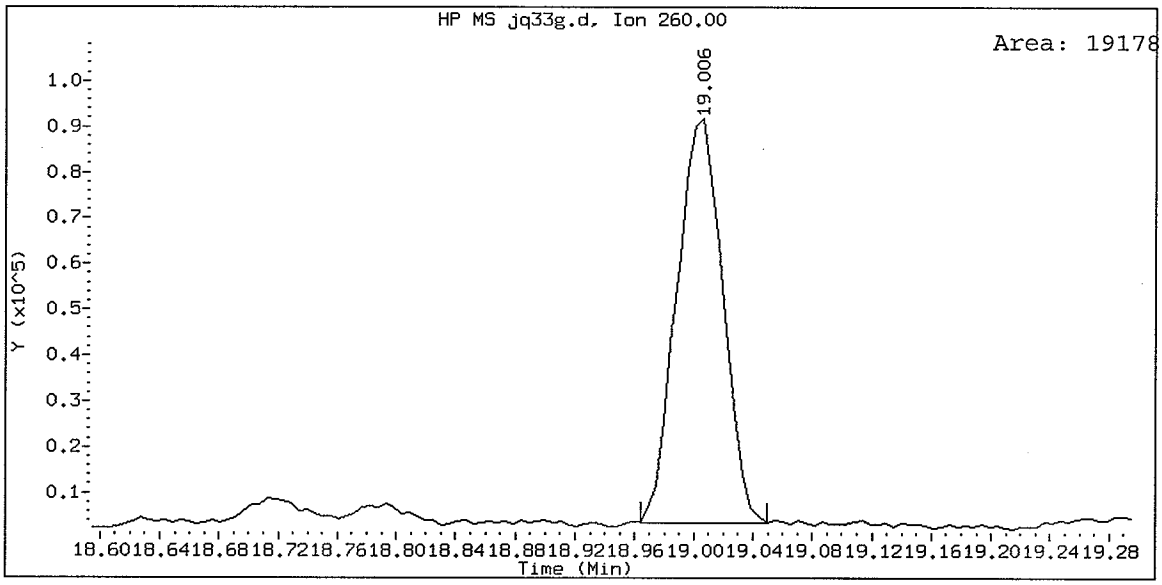
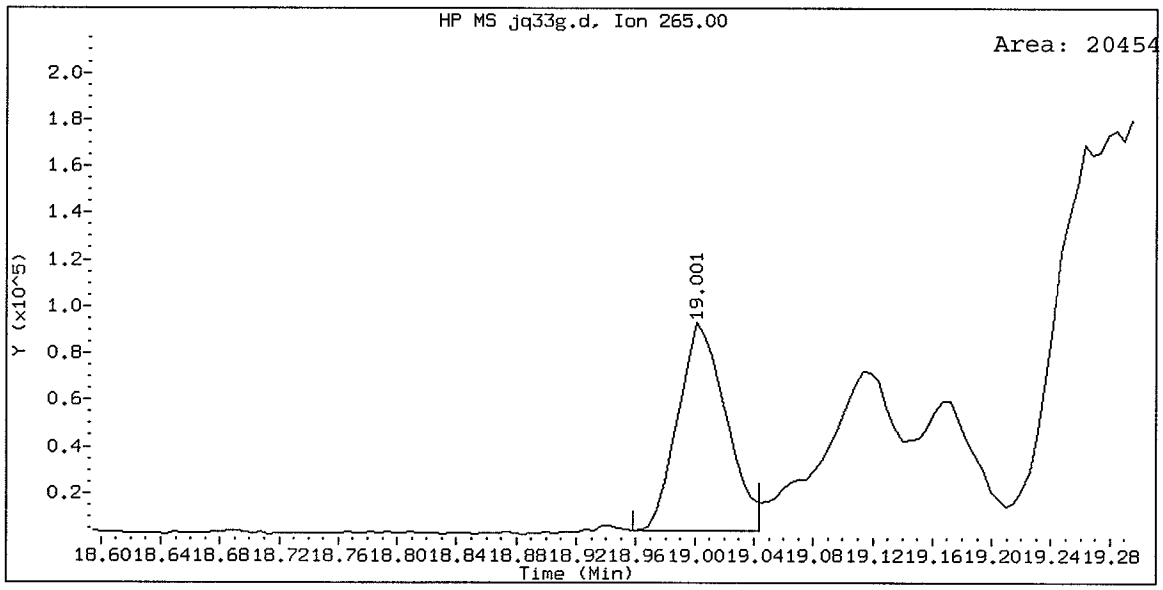
Perylene-d12 Amount: 20.00







ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	46.0%

0981

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060801.b/jq33h.d
Lab Smp Id: JQ33H Client Smp ID: T4-B414-03-B
Inj Date : 01-AUG-2006 20:07
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33H
Misc Info : 06-12930
Comment : 1ul Injection
Method : /chem1/nt6.i/20060801.b/SW846.m
Meth Date : 03-Aug-2006 13:22 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/3/06

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	101.00000	Weight of sample extracted (g)
M	50.40000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)	
$	1 2-Fluorophenol	112	3.566	3.485	(0.641)	338702	18.4245	367.8	
$	2 Phenol-d5	99	5.334	5.307	(0.959)	435029	19.5304	389.9	
	3 Phenol	94	Compound Not Detected.						
$	5 2-Chlorophenol-d4	132	5.297	5.275	(0.952)	342403	18.1291	361.9	
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.						
	6 2-Chlorophenol	128	Compound Not Detected.						
	7 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	8 1,4-Dichlorobenzene-d4	152	5.564	5.558	(1.000)	249129	20.0000		(M)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.						
$	10 1,2-Dichlorobenzene-d4	152	5.863	5.852	(1.054)	129317	10.6215	212.0	
	12 1,2-Dichlorobenzene	146	Compound Not Detected.						
	11 Benzyl alcohol	108	Compound Not Detected.						
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.						
	13 2-Methylphenol	108	Compound Not Detected.						
	17 Hexachloroethane	117	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	6.509	6.498	(1.170)	16127	0.85626	17.09
$	18 Nitrobenzene-d5	82	6.520	6.520	(0.858)	280327	11.8374	236.3
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	7.615	7.647	(1.002)	166212	15.7838	315.1(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.599	7.599	(1.000)	874788	20.0000	
	28 Naphthalene	128	7.631	7.631	(1.004)	99048	1.86250	37.18
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.742	8.742	(1.150)	38225	1.32897	26.53
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.415	9.421	(0.906)	466382	12.6479	252.5
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.393	10.393	(1.000)	493851	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.441	10.441	(1.005)	194618	6.13700	122.5
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.697	10.703	(1.029)	81732	1.87322	37.39
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.237	11.237	(1.081)	136778	3.86444	77.14
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.659	11.659	(1.122)	100489	21.1610	422.4
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.690	12.679	(1.000)	746358	20.0000	
	60 Phenanthrene	178	12.722	12.711	(1.003)	1703204	34.2795	684.3
	61 Anthracene	178	12.786	12.781	(1.008)	249723	5.00644	99.94
	62 Carbazole	167	13.117	13.112	(1.034)	301068	7.49791	149.7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63 Di-n-butylphthalate	149	13.946	13.940	(1.099)	66110	1.37450 B	27.44 (M)
64 Fluoranthene	202	14.608	14.586	(1.151)	3281285	66.9835	1337
65 Pyrene	202	14.928	14.912	(0.884)	2764866	42.5668	849.7
$ 66 Terphenyl-d14	244	15.340	15.329	(0.908)	468273	11.4674	228.9
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.873	16.846	(0.999)	2068680	35.5266	709.2
* 69 Chrysene-d12	240	16.889	16.862	(1.000)	771107	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.932	16.900	(1.003)	2521215	43.5713	869.8
72 bis(2-Ethylhexyl)phthalate	149	17.332	17.316	(0.949)	50412	1.81062 B	36.14 (M)
* 134 Di-n-octylphthalate-d4	153	18.257	18.235	(1.000)	1102704	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	18.502	18.449	(0.974)	2718112	47.1998	942.2 (M)
75 Benzo(k)fluoranthene	252	18.502	18.481	(0.974)	2641050	44.3510	885.3 (M)
76 Benzo(a)pyrene	252	18.919	18.860	(0.996)	2401738	43.3315	865.0
* 77 Perylene-d12	264	18.994	18.946	(1.000)	877156	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	20.324	20.270	(1.070)	1787192	26.5044	529.1
79 Dibenzo(a,h)anthracene	278	20.356	20.319	(1.072)	719506	10.8627	216.8
80 Benzo(g,h,i)perylene	276	20.607	20.548	(1.085)	1495171	21.1756	422.7
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	8.903	8.902	(1.172)	23055	0.76678 LDL	15.31
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33h.d
Lab Smp Id: JQ33H
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12930

Calibration Date: 01-AUG-2006
Calibration Time: 11:57
Client Smp ID: T4-B414-03-B
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	203506	101753	407012	249129	22.42
27 Naphthalene-d8	730969	365484	1461938	874788	19.68
42 Acenaphthene-d10	404762	202381	809524	493851	22.01
59 Phenanthrene-d10	594244	297122	1188488	746358	25.60
69 Chrysene-d12	406863	203432	813726	771107	89.52
134 Di-n-octylphthala	618730	309365	1237460	1102704	78.22
77 Perylene-d12	432016	216008	864032	877156	103.04 <-

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.56	5.06	6.06	5.56	0.10
27 Naphthalene-d8	7.60	7.10	8.10	7.60	0.00
42 Acenaphthene-d10	10.39	9.89	10.89	10.39	0.00
59 Phenanthrene-d10	12.68	12.18	13.18	12.69	0.09
69 Chrysene-d12	16.86	16.36	17.36	16.89	0.16
134 Di-n-octylphthala	18.24	17.74	18.74	18.26	0.12
77 Perylene-d12	18.95	18.45	19.45	18.99	0.25

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

Analytical Resources, Inc.

RECOVERY REPORT

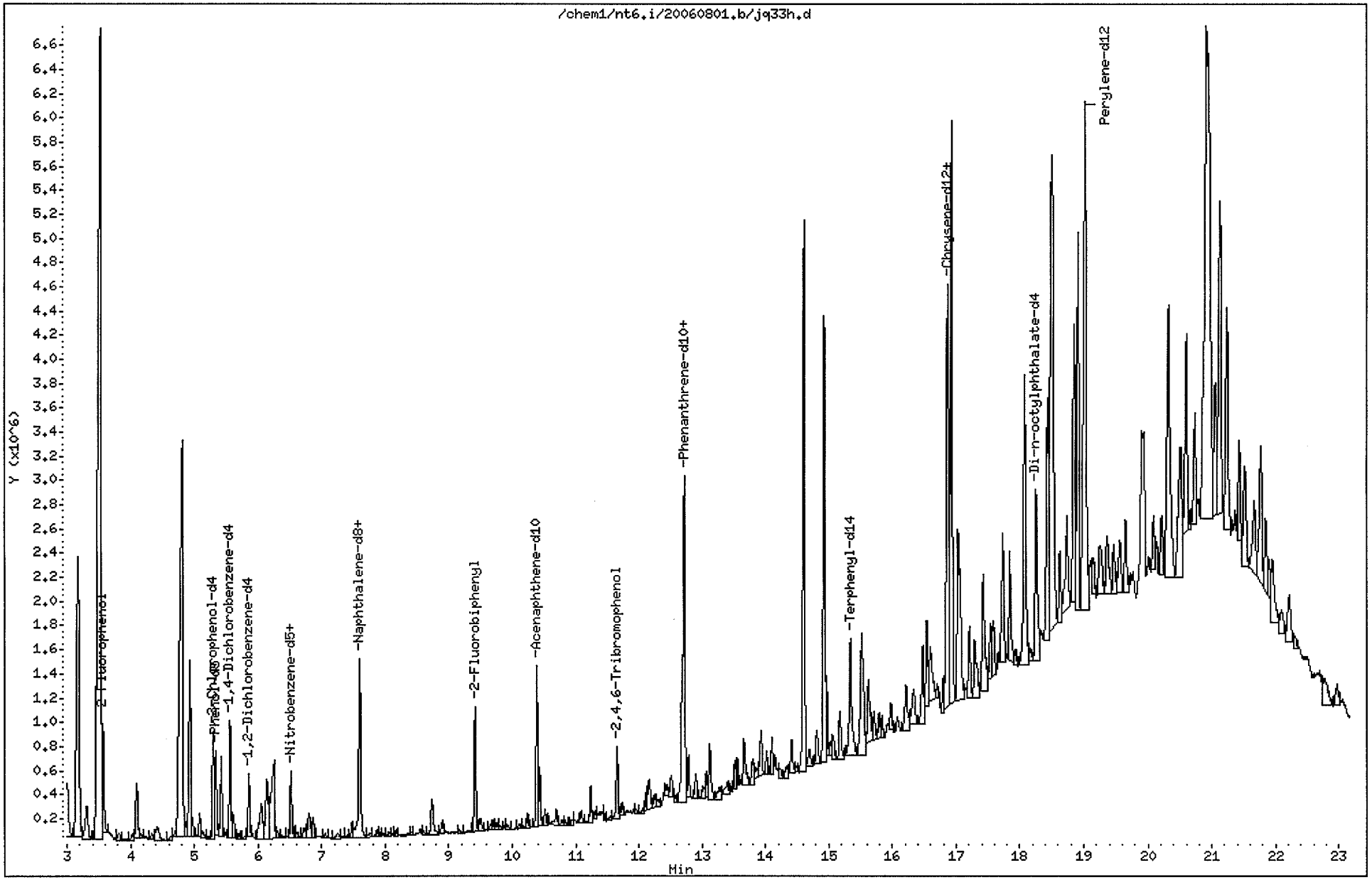
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33H
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12930

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-03-B
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	748.6	367.8	49.13	22-91
$ 2 Phenol-d5	748.6	389.9	52.08	26-99
$ 5 2-Chlorophenol-d4	748.6	361.9	48.34	29-96
$ 10 1,2-Dichlorobenzen	499.0	212.0	42.49	24-87
$ 18 Nitrobenzene-d5	499.0	236.3	47.35	27-101
$ 36 2-Fluorobiphenyl	499.0	252.5	50.59	30-100
$ 55 2,4,6-Tribromophen	748.6	422.4	56.43	20-114
$ 66 Terphenyl-d14	499.0	228.9	45.87	12-120

Data File: /chem1/nt6.i/20060801.b/jq33h.d
Date : 01-AUG-2006 20:07
Client ID: T4-B414-03-B
Sample Info: JQ33H
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



0987

Data File: /chem1/nt6.i/20060801.b/jq33h.d

Date : 01-AUG-2006 20:07

Client ID: T4-B414-03-B

Instrument: nt6.i

Sample Info: JQ33H

Volume Injected (uL): 1.0

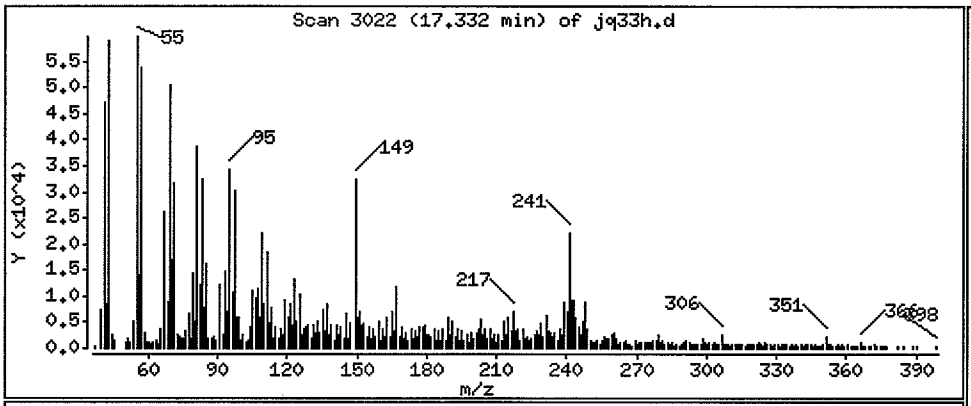
Operator: LJR

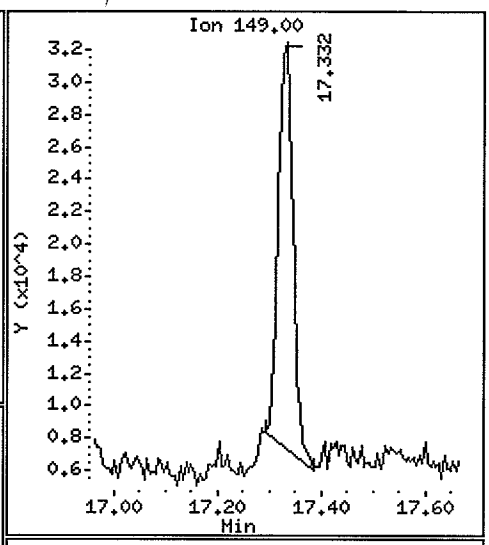
Column phase: ZB-5

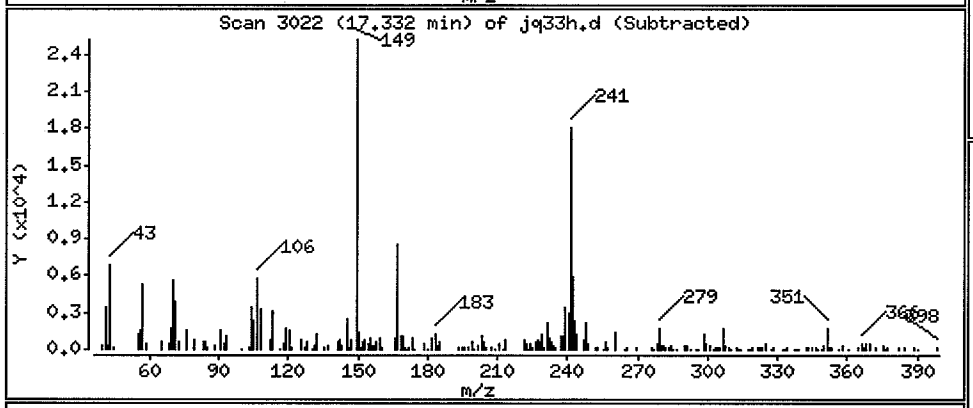
Column diameter: 0.32

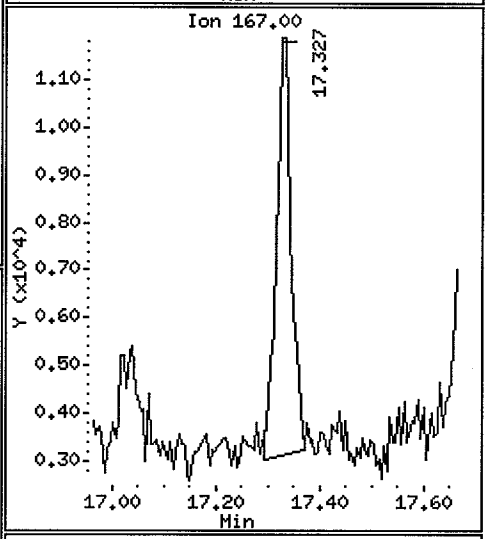
72 bis(2-Ethylhexyl)phthalate

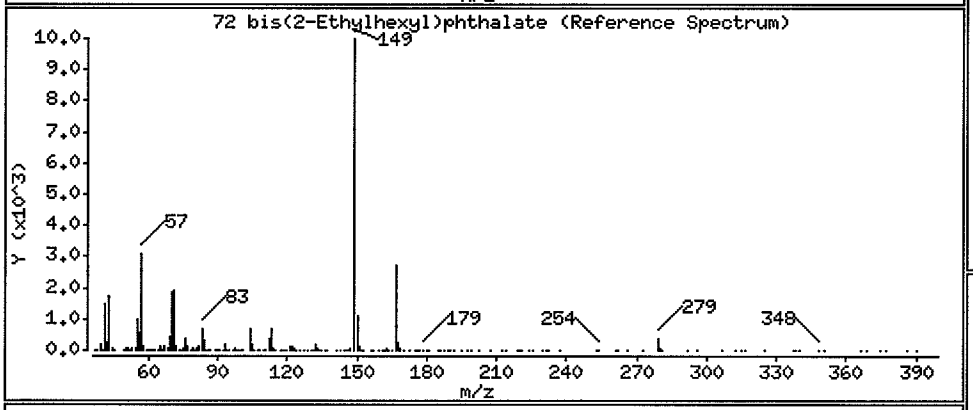
Concentration: 36.14 ug/kg

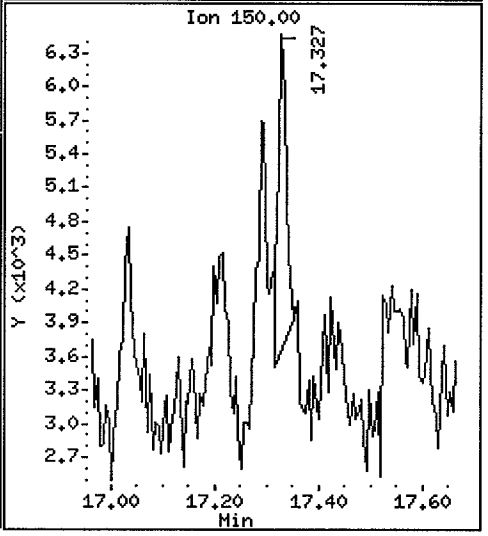


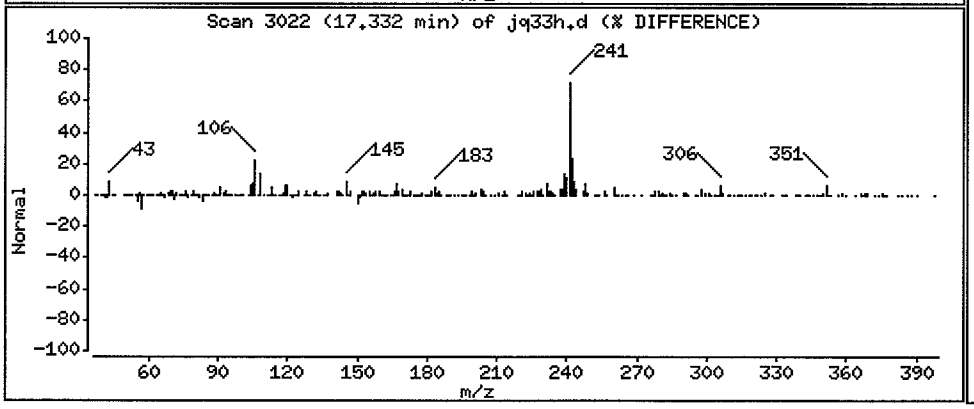












Data File: /chem1/nt6.i/20060801.b/jq33h.d

Date : 01-AUG-2006 20:07

Client ID: T4-B414-03-B

Instrument: nt6.i

Sample Info: JQ33H

Volume Injected (uL): 1.0

Operator: LJR

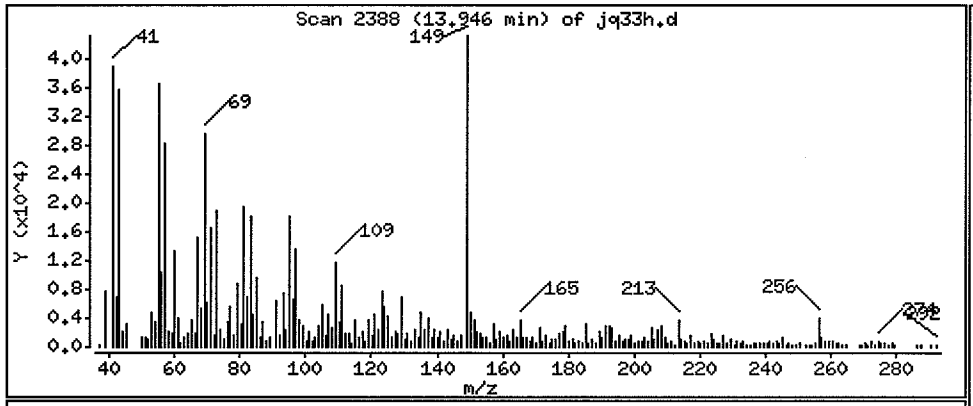
Column phase: ZB-5

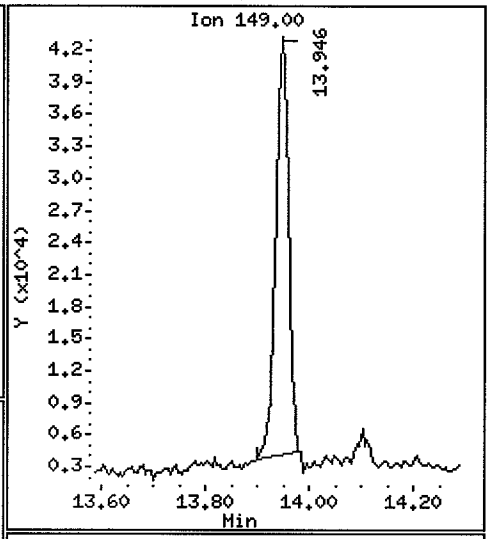
Column diameter: 0.32

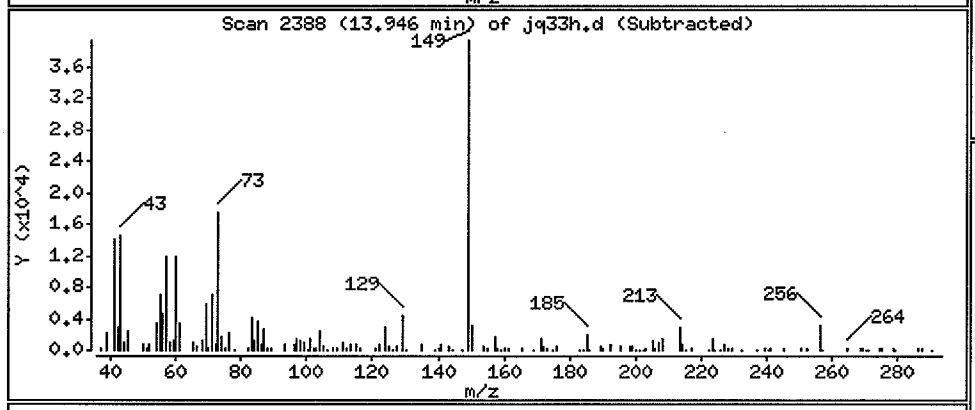
63 Di-n-butylphthalate

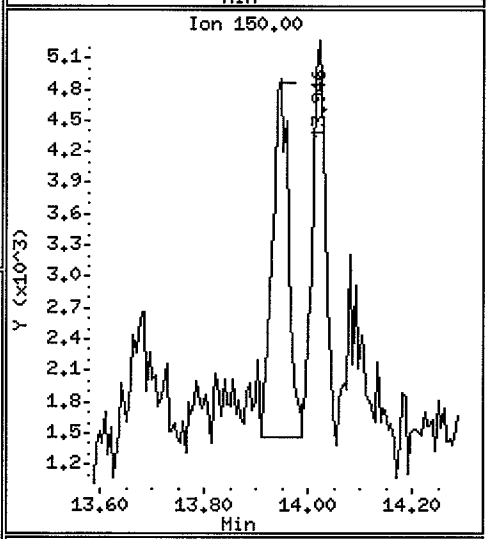
Concentration: 27.44 ug/kg

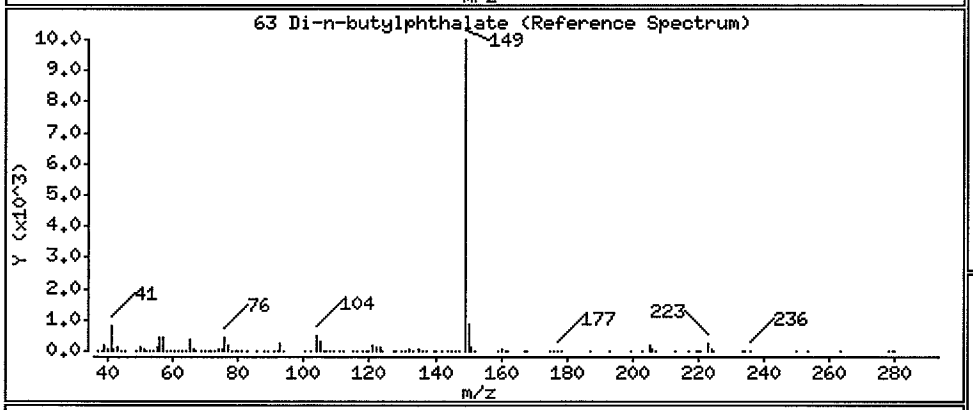
B

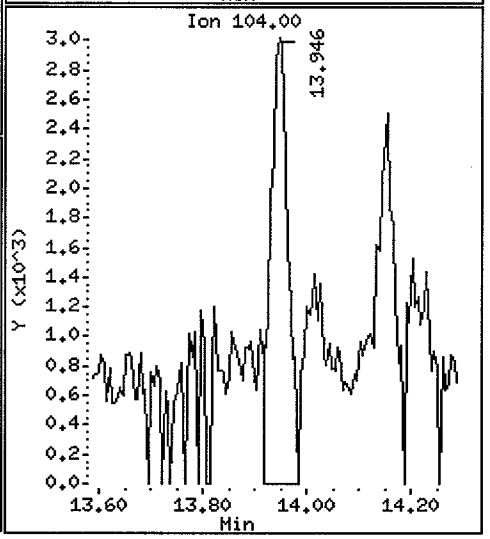


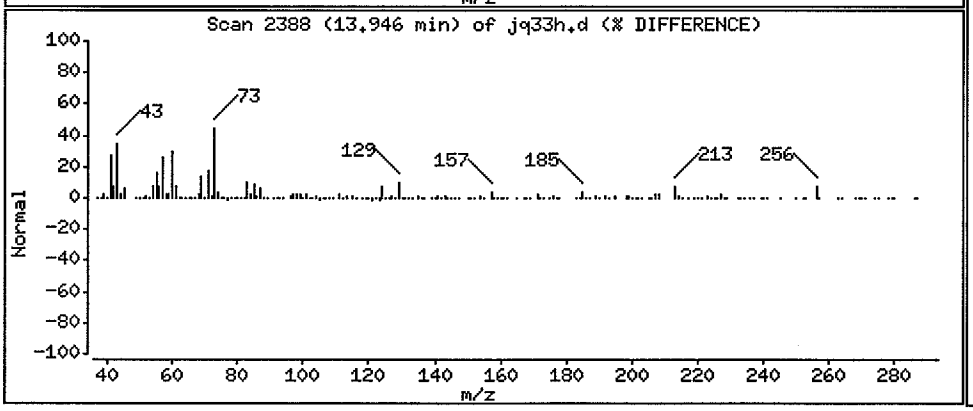




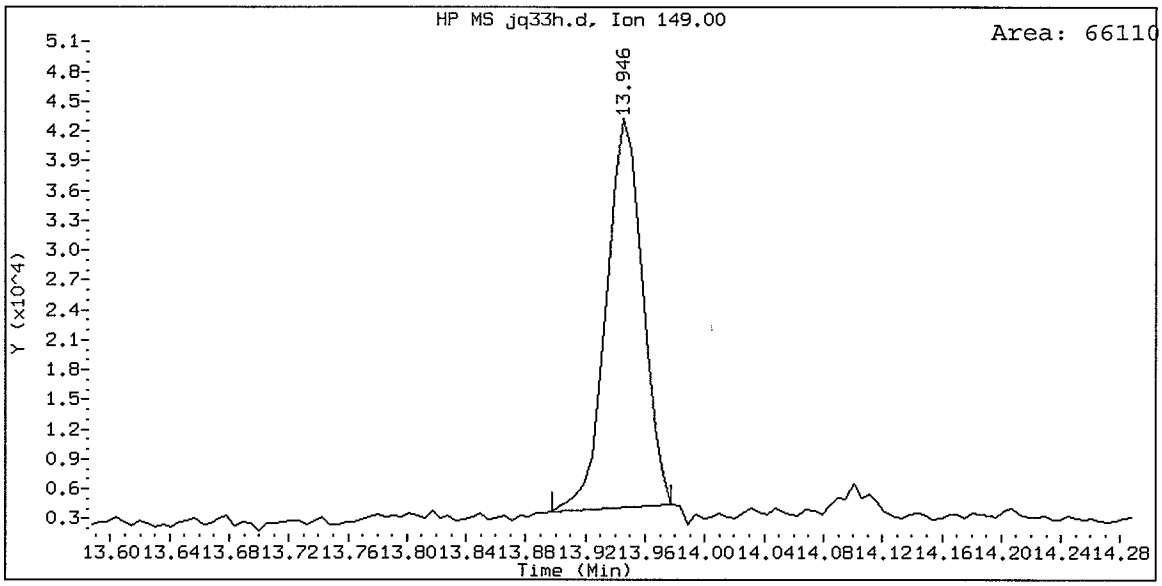


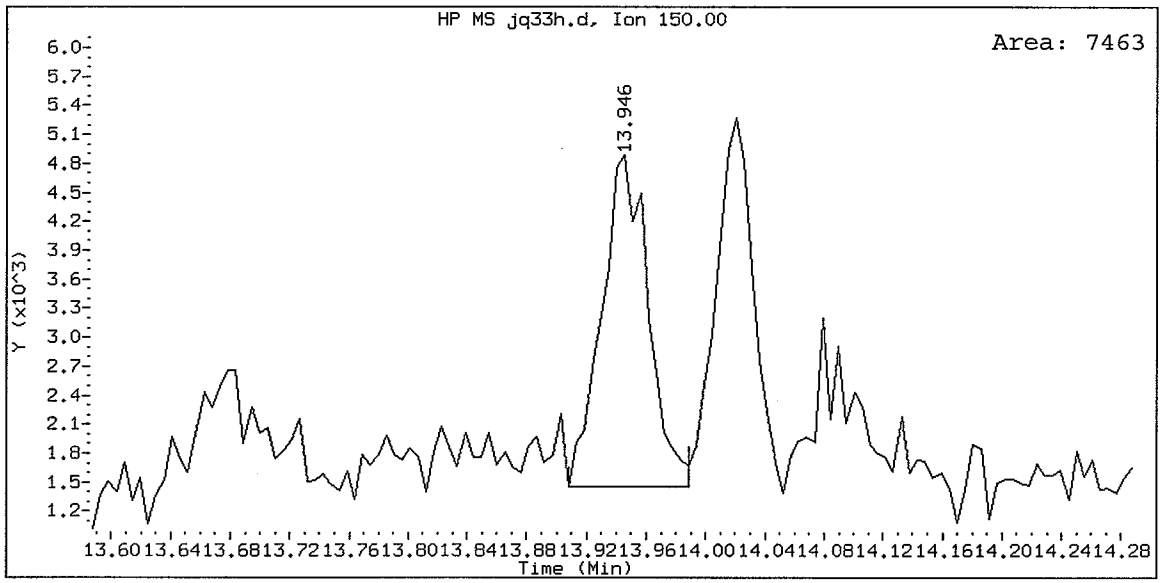


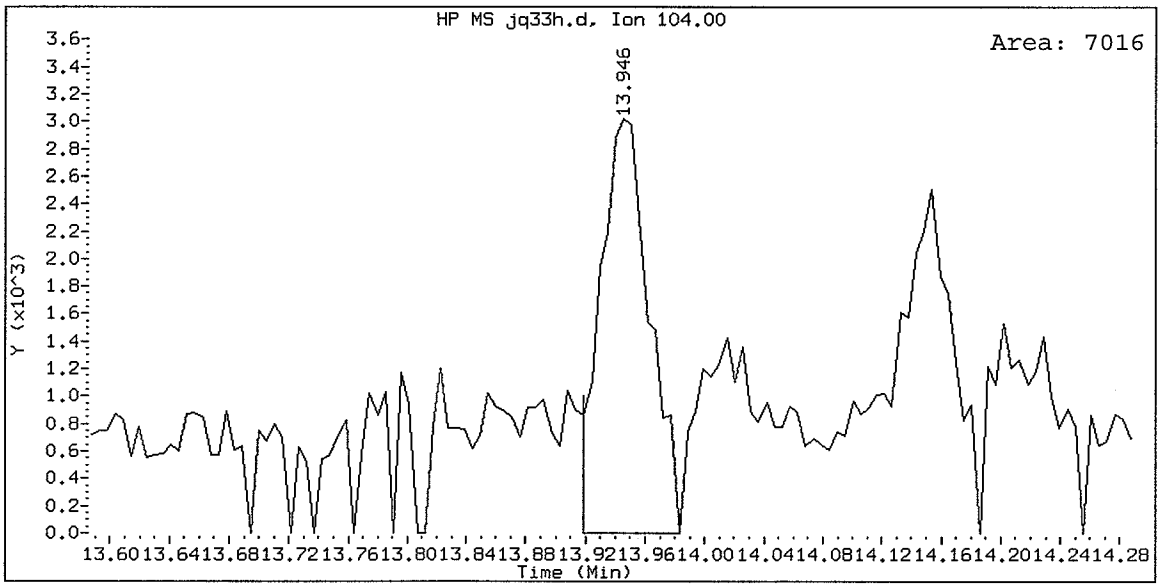




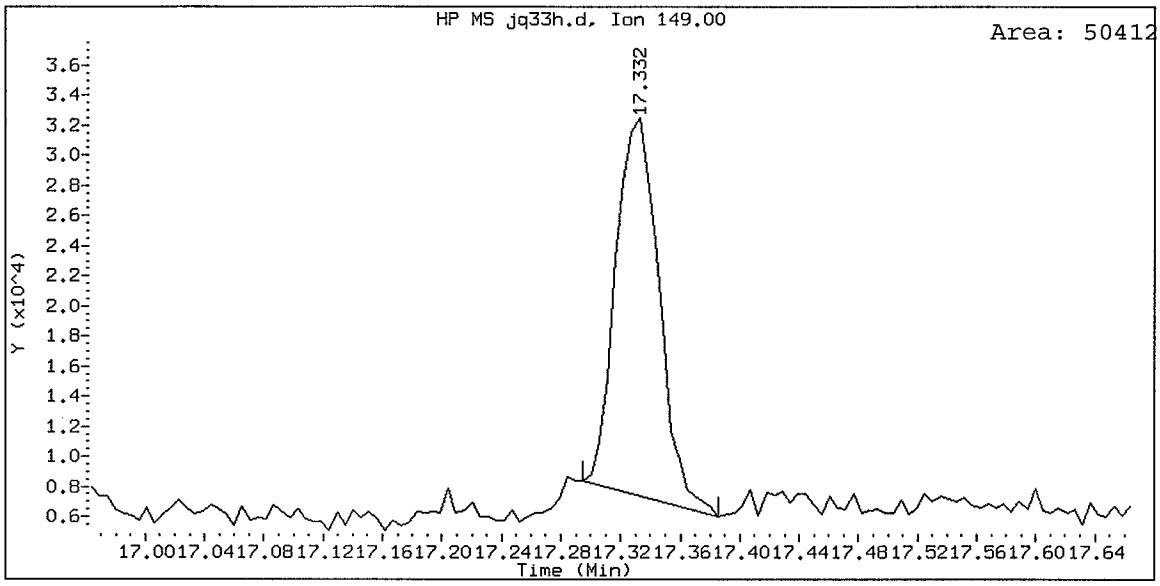
JQ33H, /chem1/nt6.i/20060801.b/jq33h.d
Di-n-butylphthalate Amount: 1.37

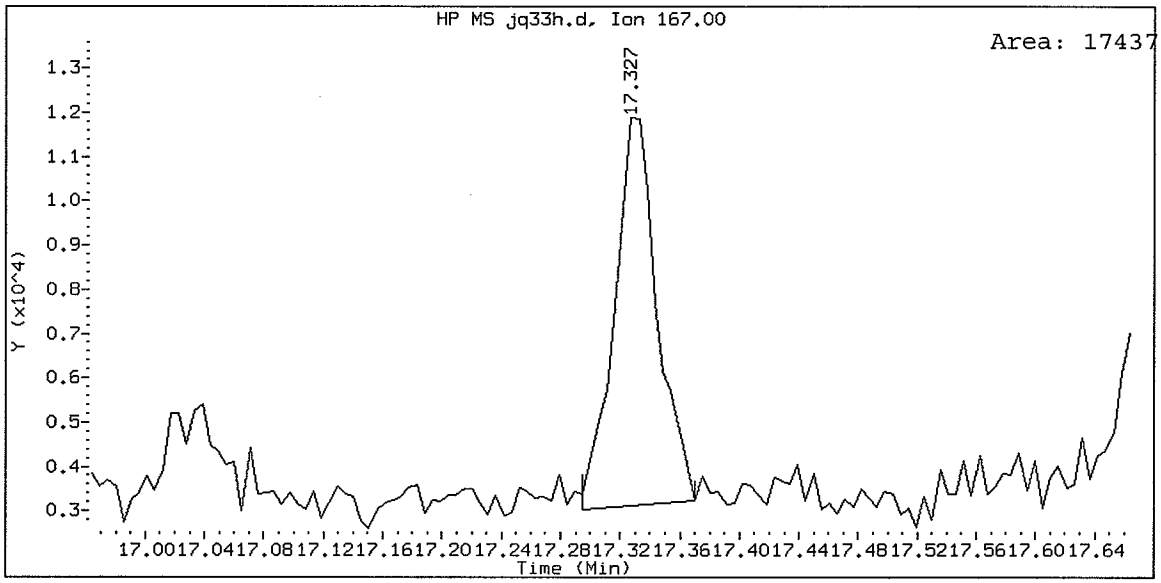


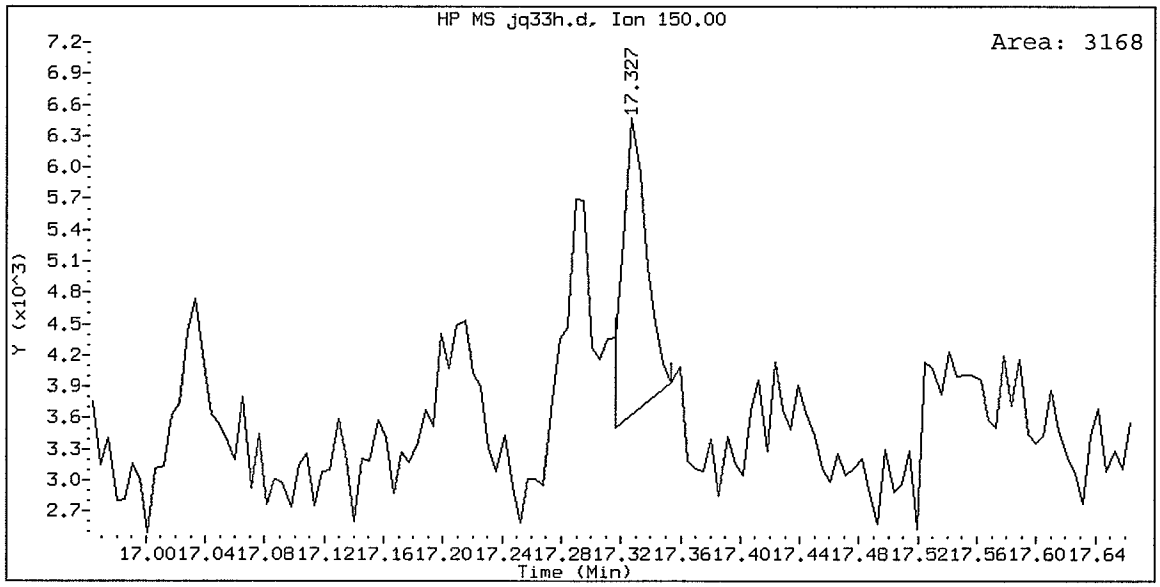




JQ33H, /chem1/nt6.i/20060801.b/jq33h.d
bis(2-Ethylhexyl)phthalate Amount: 1.81







ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	47.6%

0992

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060801.b/jq33i.d
Lab Smp Id: JQ33I Client Smp ID: T4-B414-03-C
Inj Date : 01-AUG-2006 20:38
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33I
Misc Info : 06-12931
Comment : 1ul Injection
Method : /chem1/nt6.i/20060801.b/SW846.m
Meth Date : 03-Aug-2006 13:22 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/3/06

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	101.00000	Weight of sample extracted (g)
M	49.70000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	3.565	3.485	(0.641)	325585	19.9116	391.9(M)
$	2 Phenol-d5	99	5.338	5.307	(0.960)	405511	20.4673	402.9
	3 Phenol	94	5.355	5.323	(0.963)	21309	0.86313 LJR	16.99(M)
$	5 2-Chlorophenol-d4	132	5.296	5.275	(0.952)	318907	18.9830	373.7(M)
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	5.563	5.558	(1.000)	221595	20.0000	(M)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.857	5.852	(1.053)	118737	10.9643	215.8
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	6.514	6.498	(1.171)	8975	0.53574 LOL	10.55(M)
$	18 Nitrobenzene-d5	82	6.519	6.520	(0.858)	252945	11.8881	234.0
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	7.657	7.647	(1.008)	338886	35.8180	705.0(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.598	7.599	(1.000)	785969	20.0000	
	28 Naphthalene	128	7.630	7.631	(1.004)	26865	0.56226 LOL	11.07
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.420	9.421	(0.906)	421280	12.8042	252.0
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.392	10.393	(1.000)	440645	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.440	10.441	(1.005)	44261	1.56423	30.79
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.236	11.237	(1.081)	29690	0.94013 LOL	18.51(M)
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.664	11.659	(1.122)	93383	22.0391	433.8
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.684	12.679	(1.000)	662910	20.0000	
	60 Phenanthrene	178	12.716	12.711	(1.003)	251129	5.69058	112.0
	61 Anthracene	178	12.785	12.781	(1.008)	48310	1.09044	21.46
	62 Carbazole	167	13.117	13.112	(1.034)	18486	0.51834 LOL	10.20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	13.945	13.940	(1.099)	43868	1.02689 B	20.21
64	Fluoranthene	202	14.591	14.586	(1.150)	391437	8.99660	177.1
65	Pyrene	202	14.922	14.912	(0.884)	407887	6.58555	129.6
$ 66	Terphenyl-d14	244	15.339	15.329	(0.909)	461648	11.8558	233.4
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	16.856	16.846	(0.999)	254157	4.57738	90.10
* 69	Chrysene-d12	240	16.878	16.862	(1.000)	735292	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	16.915	16.900	(1.002)	299347	5.42526	106.8
72	bis(2-Ethylhexyl)phthalate	149	17.332	17.316	(0.949)	64577	2.31502 B	45.57(M)
* 134	Di-n-octylphthalate-d4	153	18.256	18.235	(1.000)	1104782	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	18.480	18.449	(0.974)	296286	5.43071	106.9(M)
75	Benzo(k)fluoranthene	252	18.480	18.481	(0.974)	331377	5.87383	115.6(M)
76	Benzo(a)pyrene	252	18.897	18.860	(0.995)	297007	5.65610	111.3
* 77	Perylene-d12	264	18.982	18.946	(1.000)	831006	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	20.307	20.270	(1.070)	225167	3.52471	69.38
79	Dibenzo(a,h)anthracene	278	20.350	20.319	(1.072)	80922	1.28957	25.38
80	Benzo(g,h,i)perylene	276	20.585	20.548	(1.084)	210831	3.15176	62.04
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33i.d
Lab Smp Id: JQ33I
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12931

Calibration Date: 01-AUG-2006
Calibration Time: 11:57
Client Smp ID: T4-B414-03-C
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	203506	101753	407012	221595	8.89
27 Naphthalene-d8	730969	365484	1461938	785969	7.52
42 Acenaphthene-d10	404762	202381	809524	440645	8.87
59 Phenanthrene-d10	594244	297122	1188488	662910	11.56
69 Chrysene-d12	406863	203432	813726	735292	80.72
134 Di-n-octylphthala	618730	309365	1237460	1104782	78.56
77 Perylene-d12	432016	216008	864032	831006	92.36

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.56	5.06	6.06	5.56	0.08
27 Naphthalene-d8	7.60	7.10	8.10	7.60	-0.01
42 Acenaphthene-d10	10.39	9.89	10.89	10.39	-0.01
59 Phenanthrene-d10	12.68	12.18	13.18	12.68	0.04
69 Chrysene-d12	16.86	16.36	17.36	16.88	0.09
134 Di-n-octylphthala	18.24	17.74	18.74	18.26	0.11
77 Perylene-d12	18.95	18.45	19.45	18.98	0.19

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

Analytical Resources, Inc.

RECOVERY REPORT

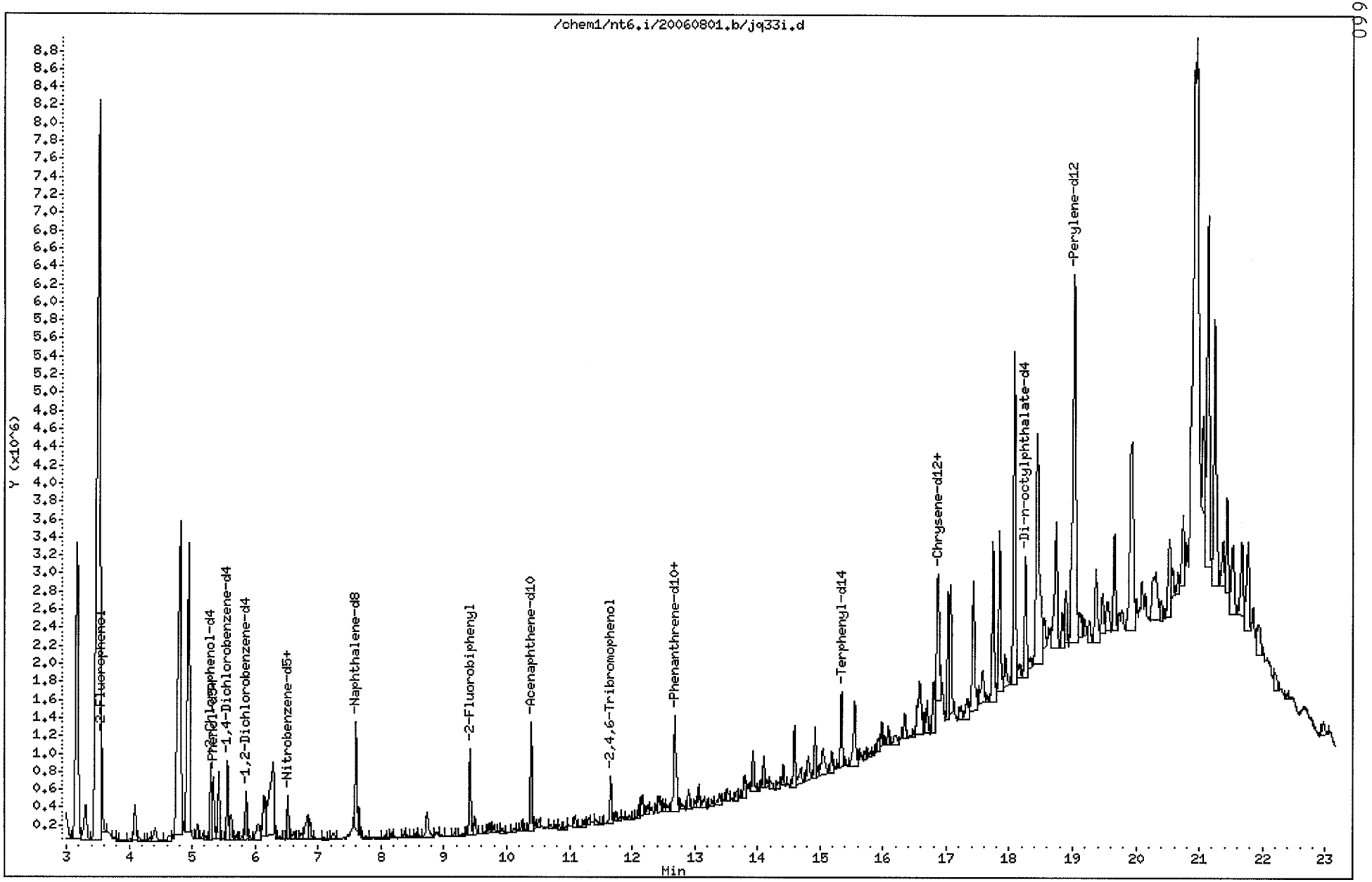
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33I
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12931

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-03-C
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	738.1	391.9	53.10	22-91
$ 2 Phenol-d5	738.1	402.9	54.58	26-99
$ 5 2-Chlorophenol-d4	738.1	373.7	50.62	29-96
$ 10 1,2-Dichlorobenzen	492.1	215.8	43.86	24-87
$ 18 Nitrobenzene-d5	492.1	234.0	47.55	27-101
$ 36 2-Fluorobiphenyl	492.1	252.0	51.22	30-100
$ 55 2,4,6-Tribromophen	738.1	433.8	58.77	20-114
$ 66 Terphenyl-d14	492.1	233.4	47.42	12-120

Data File: /chem1/nt6.i/20060801.b/jq33i.d
Date : 01-AUG-2006 20:38
Client ID: T4-B414-03-C
Sample Info: JQ33I
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



0698

Data File: /chem1/nt6.i/20060801.b/jq33i.d

Date : 01-AUG-2006 20:38

Client ID: T4-B414-03-C

Instrument: nt6.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

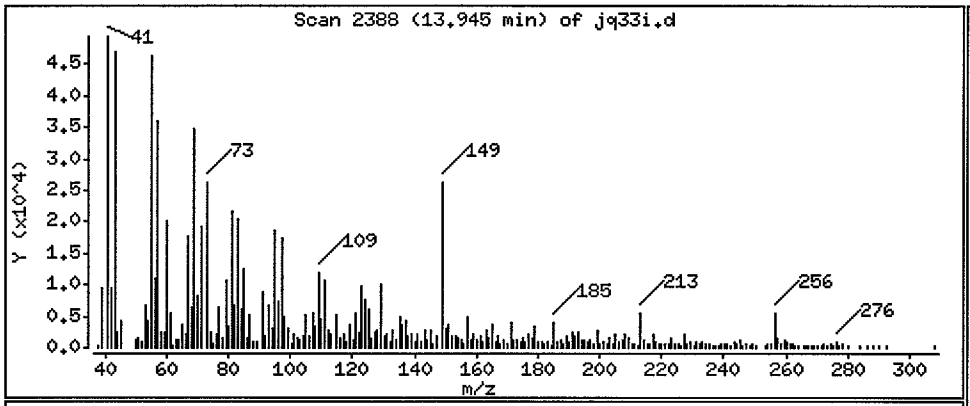
Operator: LJR

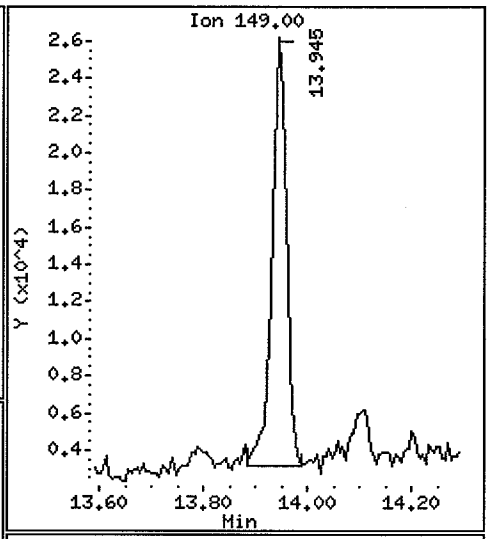
Column phase: ZB-5

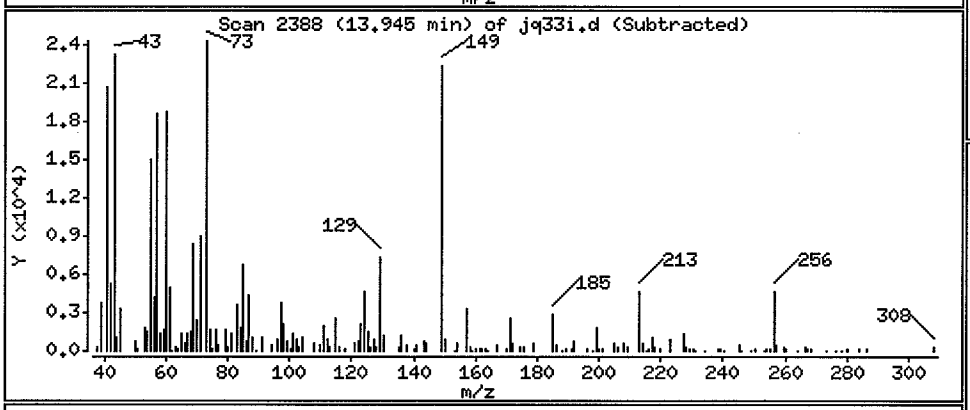
Column diameter: 0.32

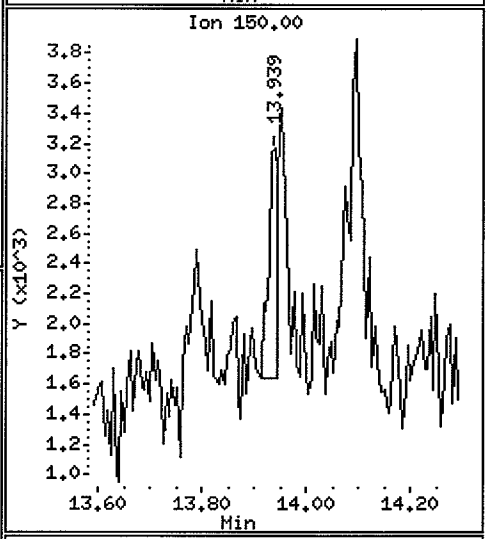
63 Di-n-butylphthalate

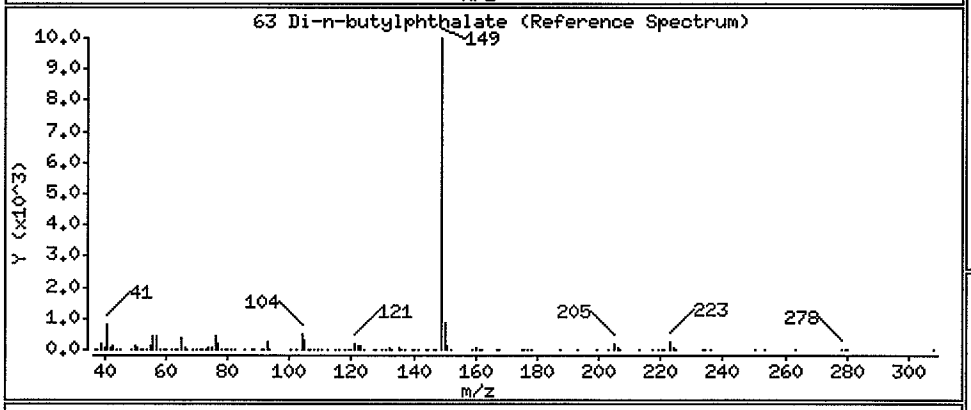
Concentration: 20.21 ug/kg

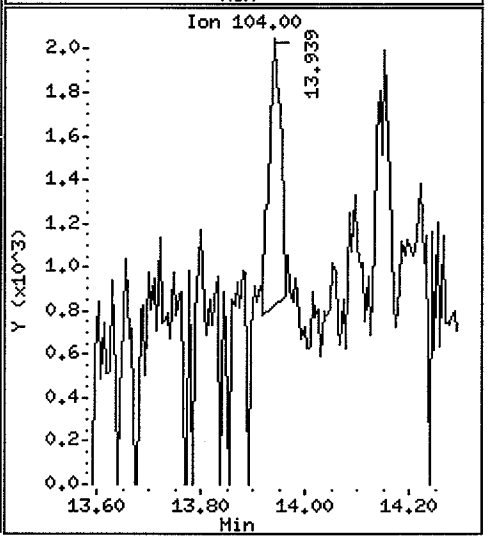


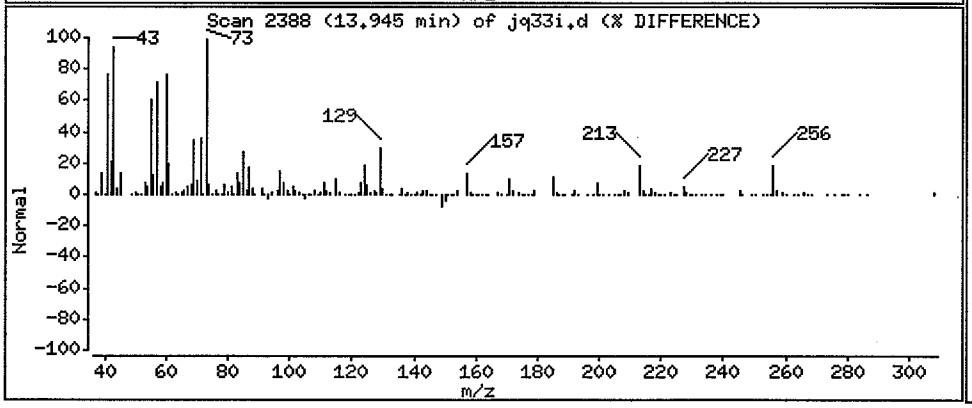












Data File: /chem1/nt6.i/20060801.b/jq33i.d

Date : 01-AUG-2006 20:38

Client ID: T4-B414-03-C

Instrument: nt6.i

Sample Info: JQ33I

Volume Injected (uL): 1.0

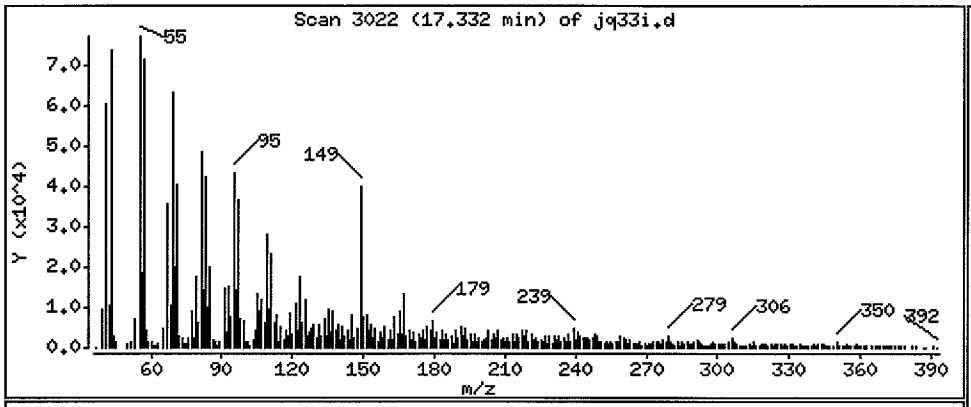
Operator: LJR

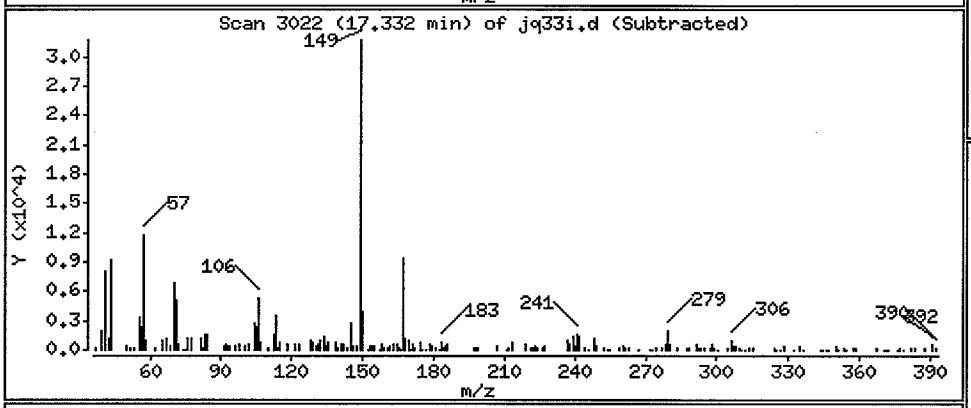
Column phase: ZB-5

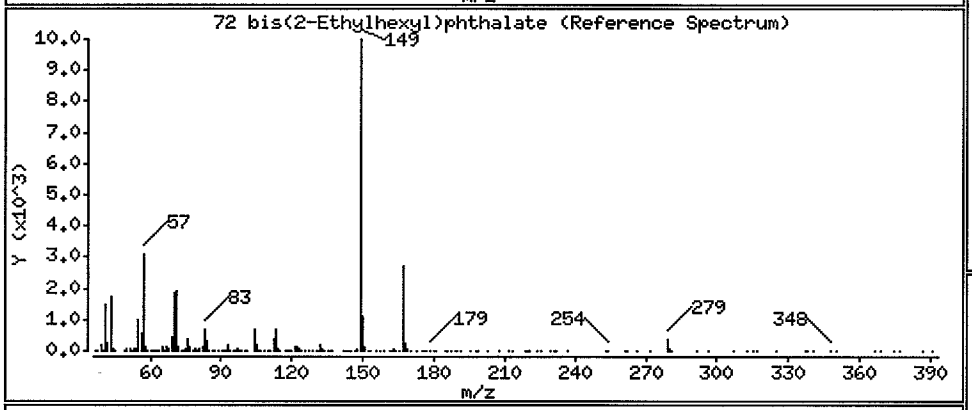
Column diameter: 0.32

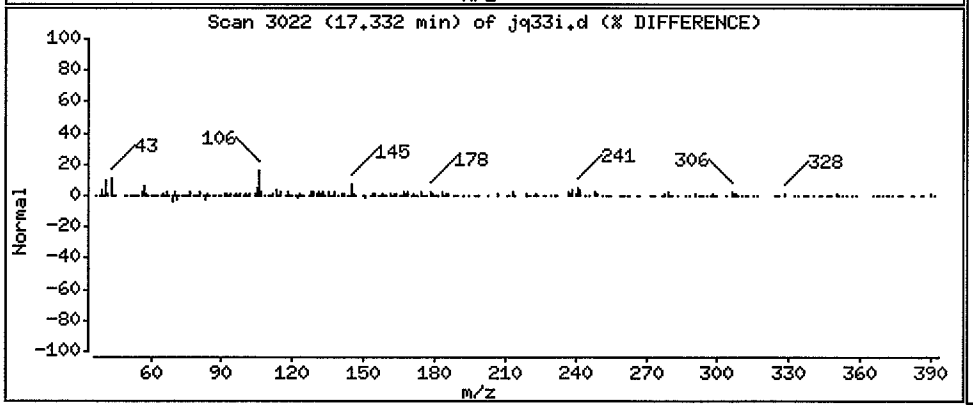
72 bis(2-Ethylhexyl)phthalate

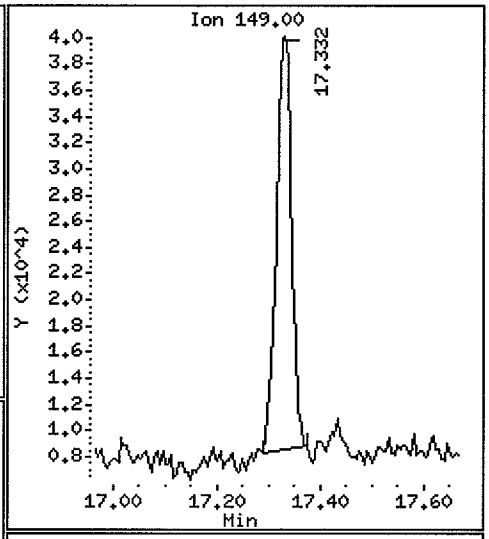
Concentration: 45.57 ug/kg

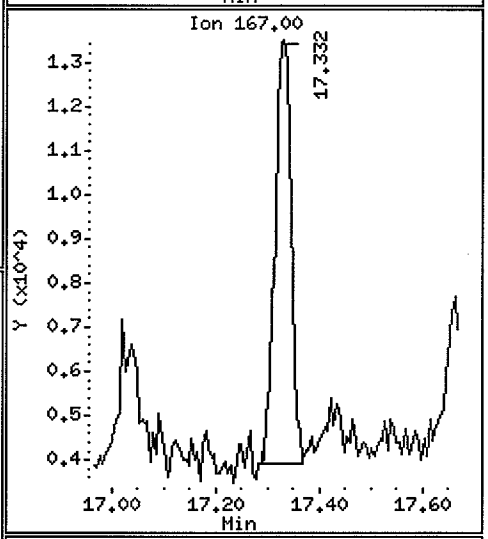


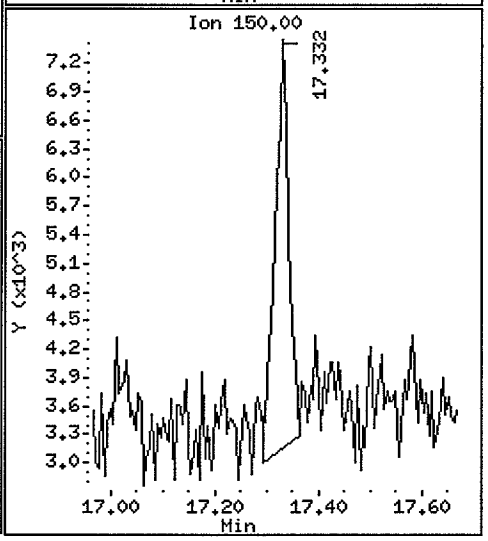




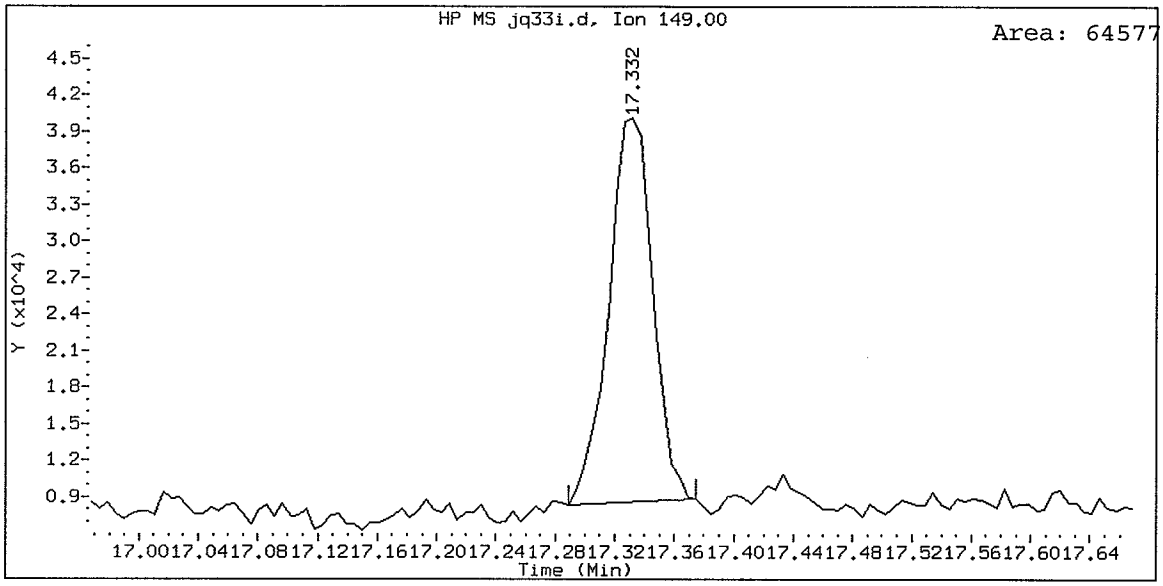


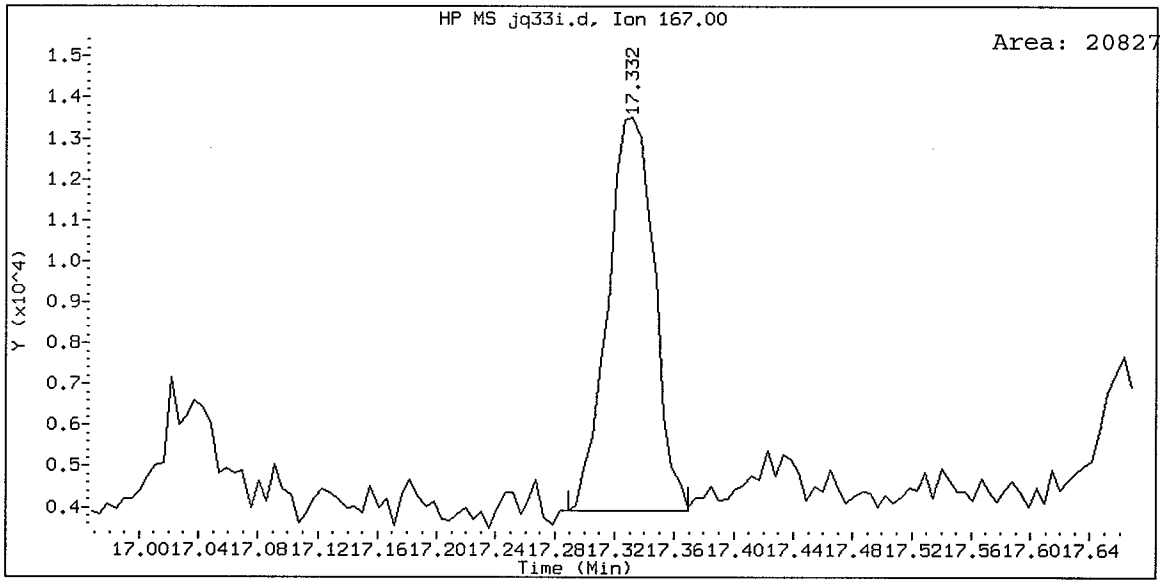


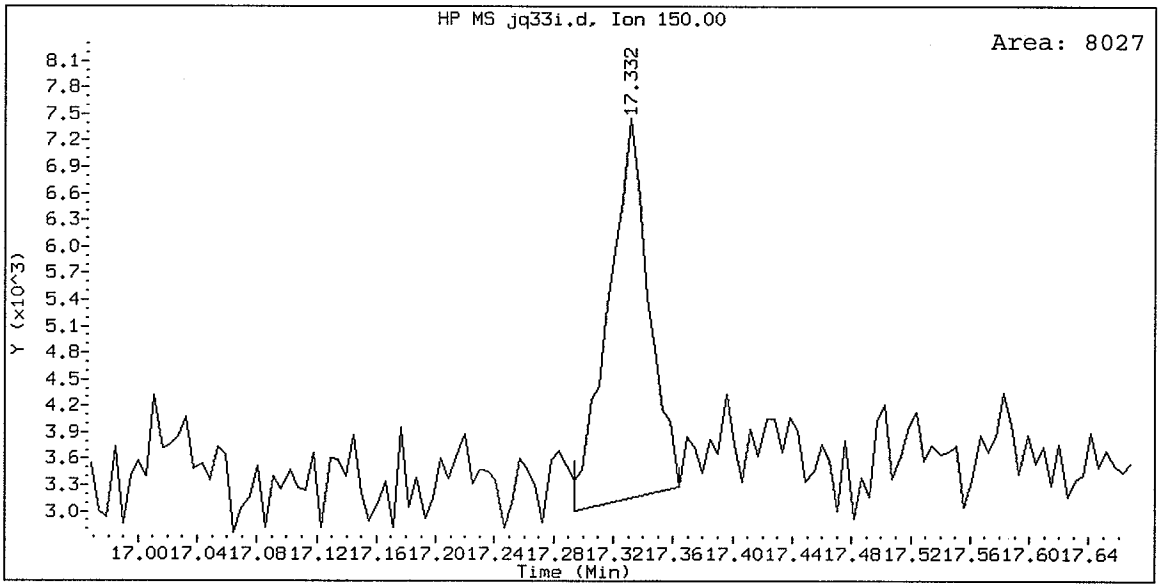




JQ33I, /chem1/nt6.i/20060801.b/jq33i.d
bis(2-Ethylhexyl)phthalate Amount: 2.32







ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	50.8%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060801.b/jq33j.d
Lab Smp Id: JQ33J Client Smp ID: T4-B414-04-A
Inj Date : 01-AUG-2006 21:08
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33J
Misc Info : 06-12932
Comment : 1ul Injection
Method : /chem1/nt6.i/20060801.b/SW846.m
Meth Date : 03-Aug-2006 13:22 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/3/06

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	105.00000	Weight of sample extracted (g)
M	52.30000	% Moisture

Cpnd Variable Local Compound Variable

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	3.588	3.485	(0.644)	393963	20.9359	418.0
$	2 Phenol-d5	99	5.340	5.307	(0.959)	495468	21.7304	433.9
	3 Phenol	94	5.367	5.323	(0.964)	22720	0.79968 LDL	15.97(M)
$	5 2-Chlorophenol-d4	132	5.302	5.275	(0.952)	396945	20.5318	409.9
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	5.569	5.558	(1.000)	255015	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.863	5.852	(1.053)	151937	12.1913	243.4
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.526	6.520	(0.859)	318040	13.2571	264.7
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	7.749	7.647	(1.020)	928514	87.0394 E	1738 (M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.599	7.599	(1.000)	886187	20.0000	
	28 Naphthalene	128	7.626	7.631	(1.004)	49459	0.91806 LPL	18.33
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.421	9.421	(0.906)	516733	14.2592	284.7
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.393	10.393	(1.000)	485335	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.442	10.441	(1.005)	33318	1.06907	21.35 (M)
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.238	11.237	(1.081)	26535	0.76286 LPL	15.23 (M)
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.665	11.659	(1.122)	106876	22.9009	457.2 (M)
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.685	12.679	(1.000)	711563	20.0000	
	60 Phenanthrene	178	12.717	12.711	(1.003)	281761	5.94815	118.8
	61 Anthracene	178	12.787	12.781	(1.008)	56493	1.18795	23.72
	62 Carbazole	167	13.118	13.112	(1.034)	35727	0.93327 LPL	18.63

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	13.946	13.940	(1.099)	90695	1.97788 B	39.49 (M)
64	Fluoranthene	202	14.598	14.586	(1.151)	631141	13.5140	269.8
65	Pyrene	202	14.924	14.912	(0.884)	638070	10.1062	201.8
$ 66	Terphenyl-d14	244	15.335	15.329	(0.909)	505999	12.7479	254.5
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	16.863	16.846	(0.999)	397558	7.02399	140.2
* 69	Chrysene-d12	240	16.879	16.862	(1.000)	749534	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	16.916	16.900	(1.002)	487079	8.65991	172.9
72	bis(2-Ethylhexyl)phthalate	149	17.333	17.316	(0.950)	120031	4.18610 B	83.58 (M)
* 134	Di-n-octylphthalate-d4	153	18.252	18.235	(1.000)	1135631	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	18.481	18.449	(0.974)	611907	10.8905	217.4 (M)
75	Benzo(k)fluoranthene	252	18.497	18.481	(0.975)	271574	4.67415	93.32 (M)
76	Benzo(a)pyrene	252	18.898	18.860	(0.996)	447396	8.27291	165.2
* 77	Perylene-d12	264	18.978	18.946	(1.000)	855832	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	20.308	20.270	(1.070)	351967	5.34979	106.8
79	Dibenzo(a,h)anthracene	278	20.351	20.319	(1.072)	57413	0.88839 LDL	17.74 (M)
80	Benzo(g,h,i)perylene	276	20.592	20.548	(1.085)	319323	4.63515	92.55
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33j.d
Lab Smp Id: JQ33J
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12932

Calibration Date: 01-AUG-2006
Calibration Time: 11:57
Client Smp ID: T4-B414-04-A
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	203506	101753	407012	255015	25.31
27 Naphthalene-d8	730969	365484	1461938	886187	21.23
42 Acenaphthene-d10	404762	202381	809524	485335	19.91
59 Phenanthrene-d10	594244	297122	1188488	711563	19.74
69 Chrysene-d12	406863	203432	813726	749534	84.22
134 Di-n-octylphthala	618730	309365	1237460	1135631	83.54
77 Perylene-d12	432016	216008	864032	855832	98.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.56	5.06	6.06	5.57	0.20
27 Naphthalene-d8	7.60	7.10	8.10	7.60	0.01
42 Acenaphthene-d10	10.39	9.89	10.89	10.39	0.01
59 Phenanthrene-d10	12.68	12.18	13.18	12.69	0.05
69 Chrysene-d12	16.86	16.36	17.36	16.88	0.10
134 Di-n-octylphthala	18.24	17.74	18.74	18.25	0.09
77 Perylene-d12	18.95	18.45	19.45	18.98	0.17

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

Analytical Resources, Inc.

RECOVERY REPORT

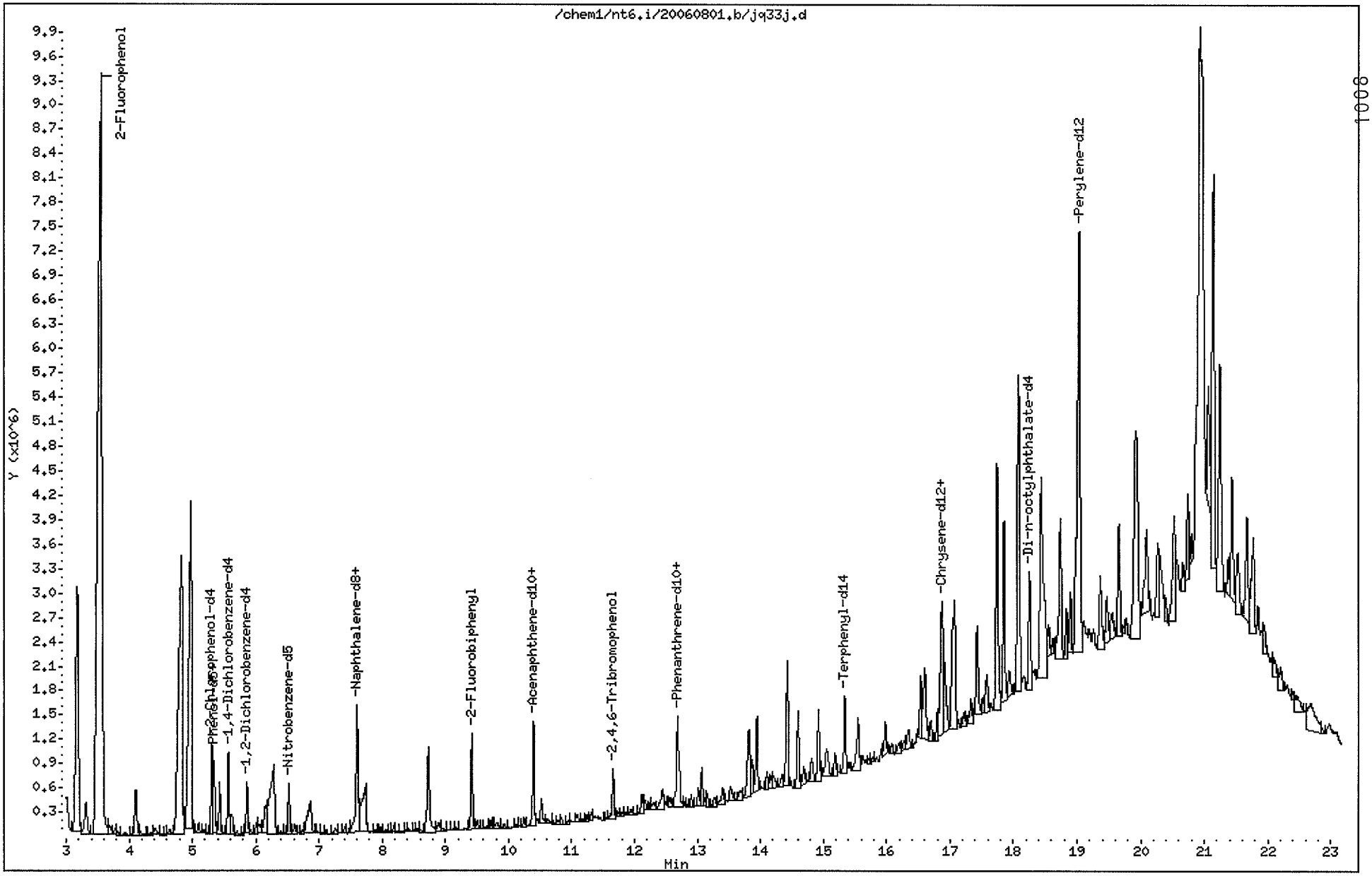
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33J
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12932

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-04-A
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	748.7	418.0	55.83	22-91
$ 2 Phenol-d5	748.7	433.9	57.95	26-99
$ 5 2-Chlorophenol-d4	748.7	409.9	54.75	29-96
$ 10 1,2-Dichlorobenzen	499.2	243.4	48.77	24-87
$ 18 Nitrobenzene-d5	499.2	264.7	53.03	27-101
$ 36 2-Fluorobiphenyl	499.2	284.7	57.04	30-100
$ 55 2,4,6-Tribromophen	748.7	457.2	61.07	20-114
$ 66 Terphenyl-d14	499.2	254.5	50.99	12-120

Data File: /chem1/nt6.i/20060801.b/jq33j.d
Date : 01-AUG-2006 21:08
Client ID: T4-B414-04-A
Sample Info: JQ33J
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



Data File: /chem1/nt6.i/20060801.b/jq33j.d

Date : 01-AUG-2006 21:08

Client ID: T4-B414-04-A

Instrument: nt6.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

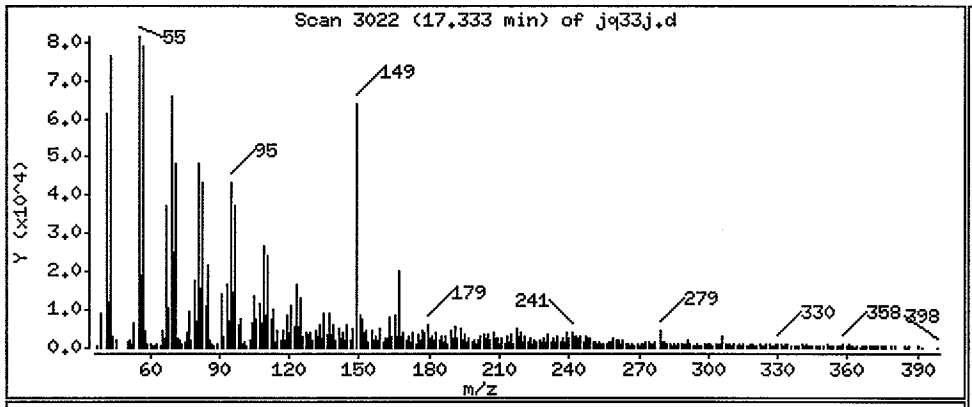
Operator: LJR

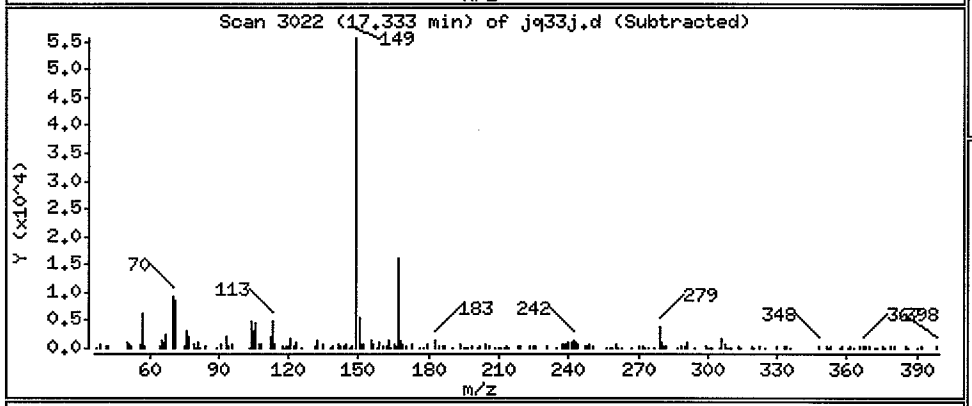
Column phase: ZB-5

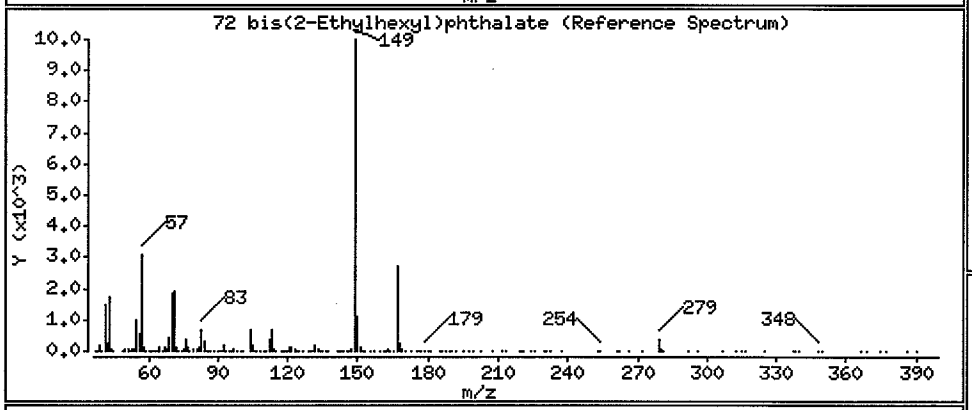
Column diameter: 0.32

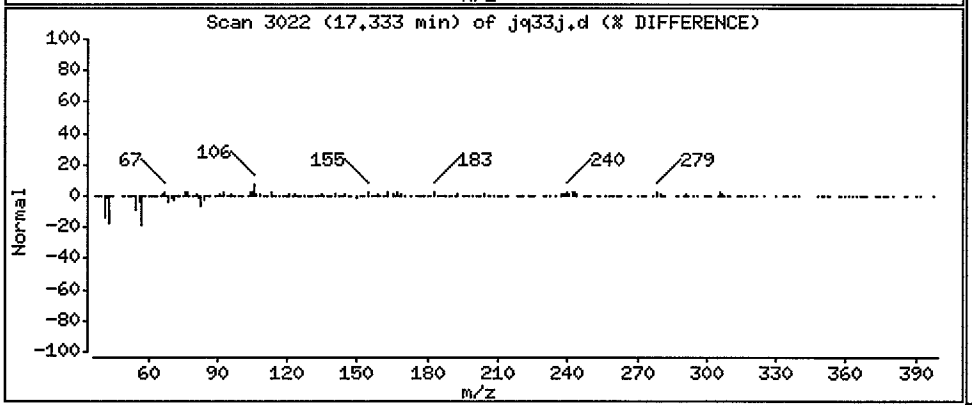
72 bis(2-Ethylhexyl)phthalate

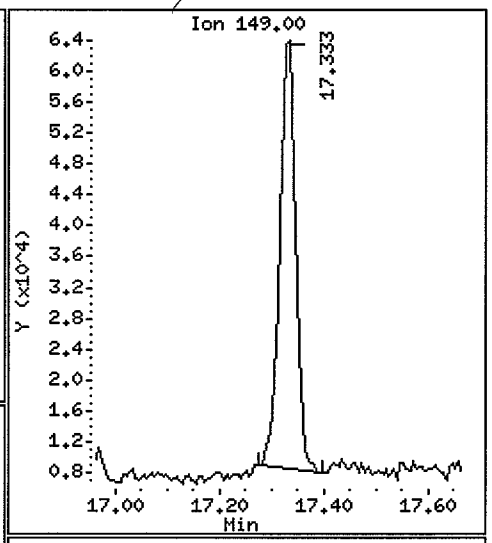
Concentration: 83.58 ug/kg

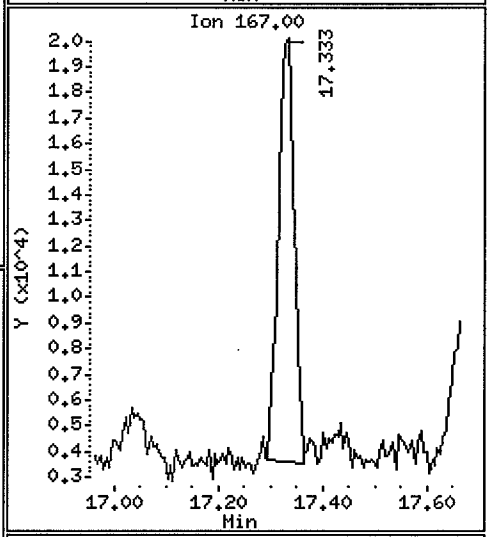


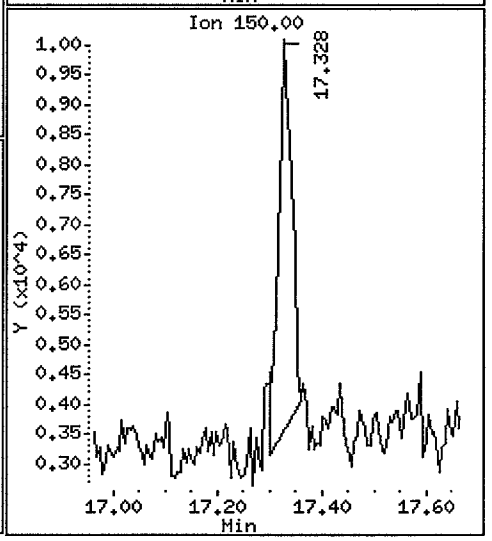












Data File: /chem1/nt6.i/20060801.b/jq33j.d

Date : 01-AUG-2006 21:08

Client ID: T4-B414-04-A

Instrument: nt6.i

Sample Info: JQ33J

Volume Injected (uL): 1.0

Operator: LJR

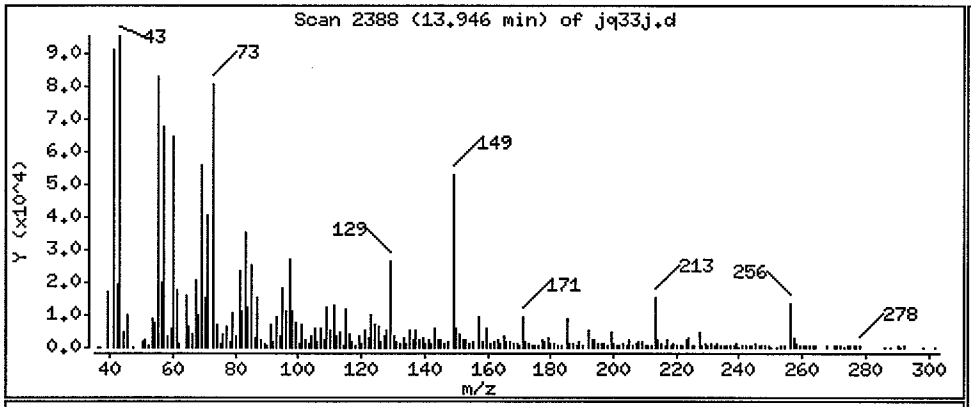
Column phase: ZB-5

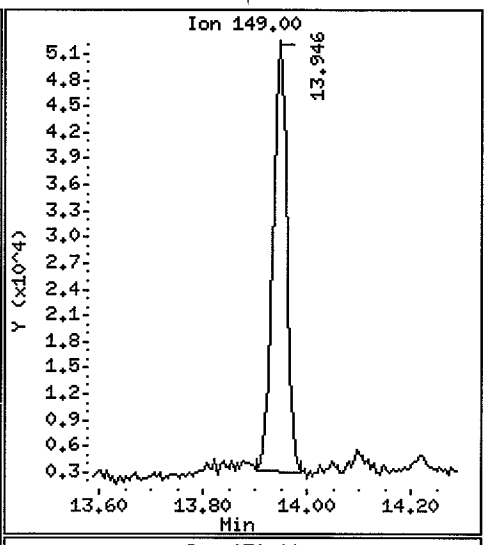
Column diameter: 0.32

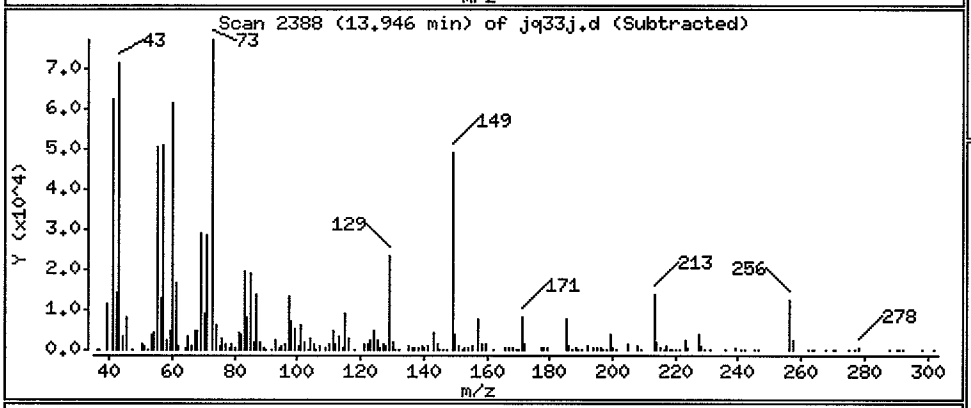
63 Di-n-butylphthalate

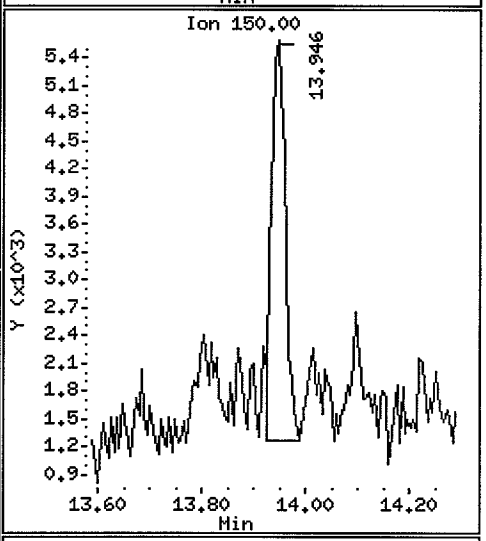
Concentration: 39.49 ug/kg

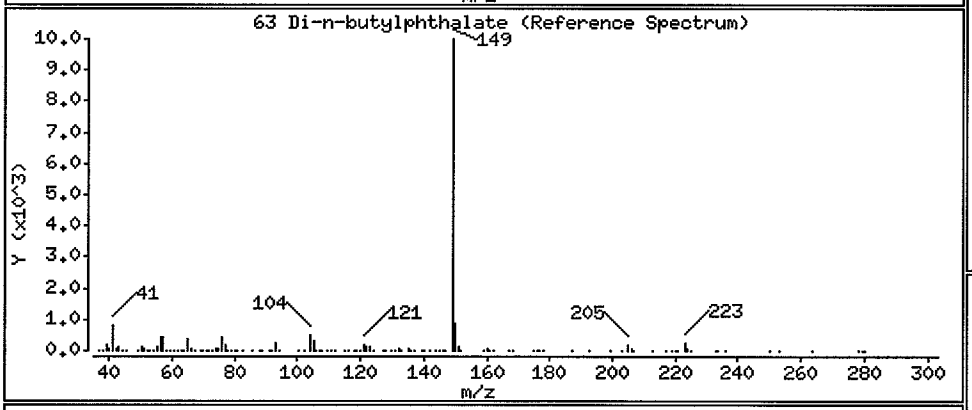
B

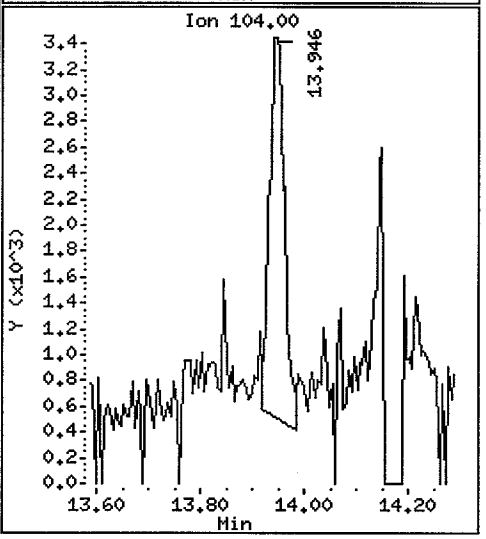


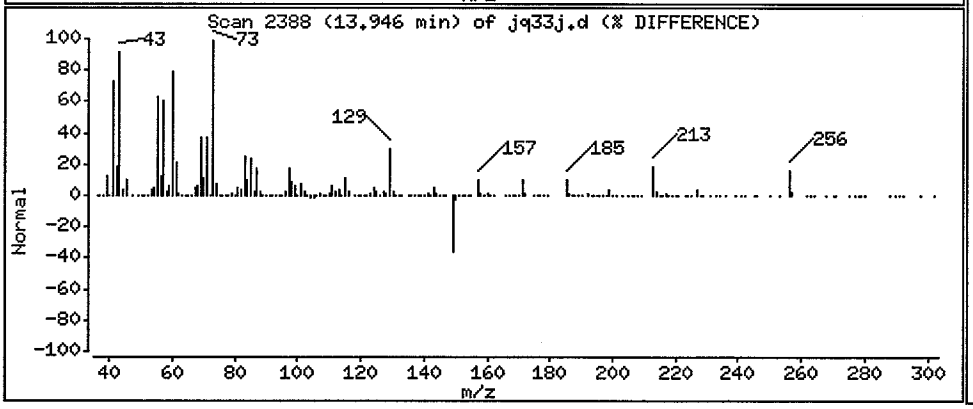




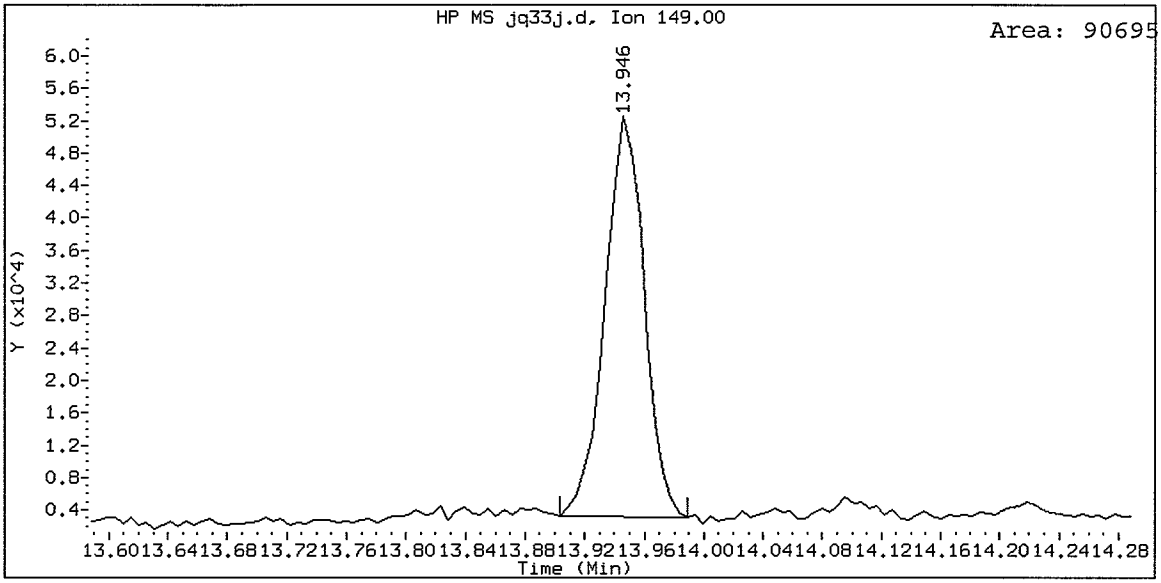


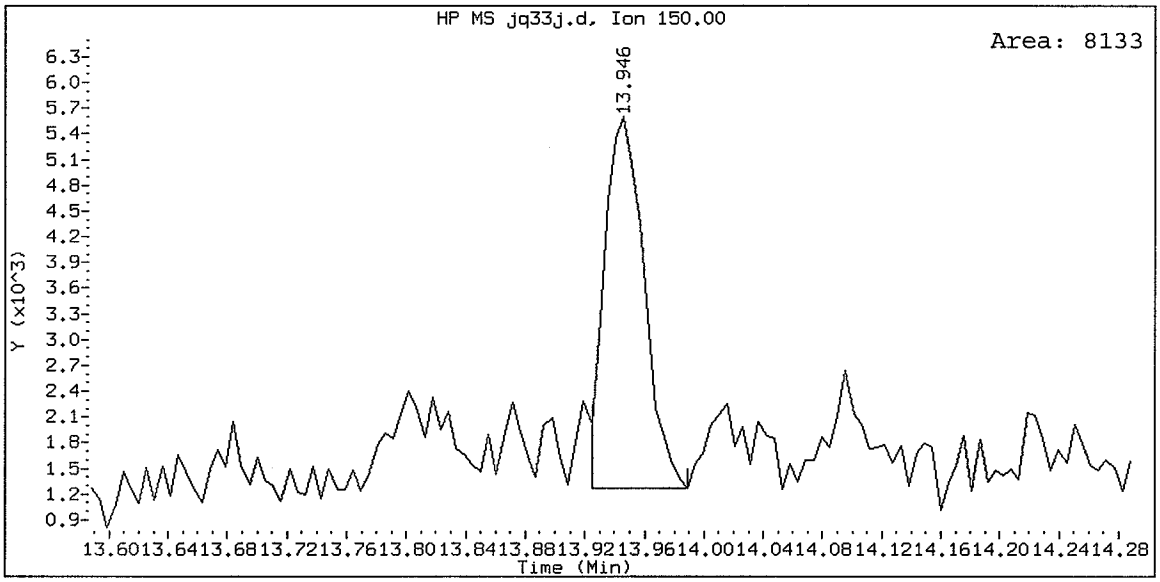


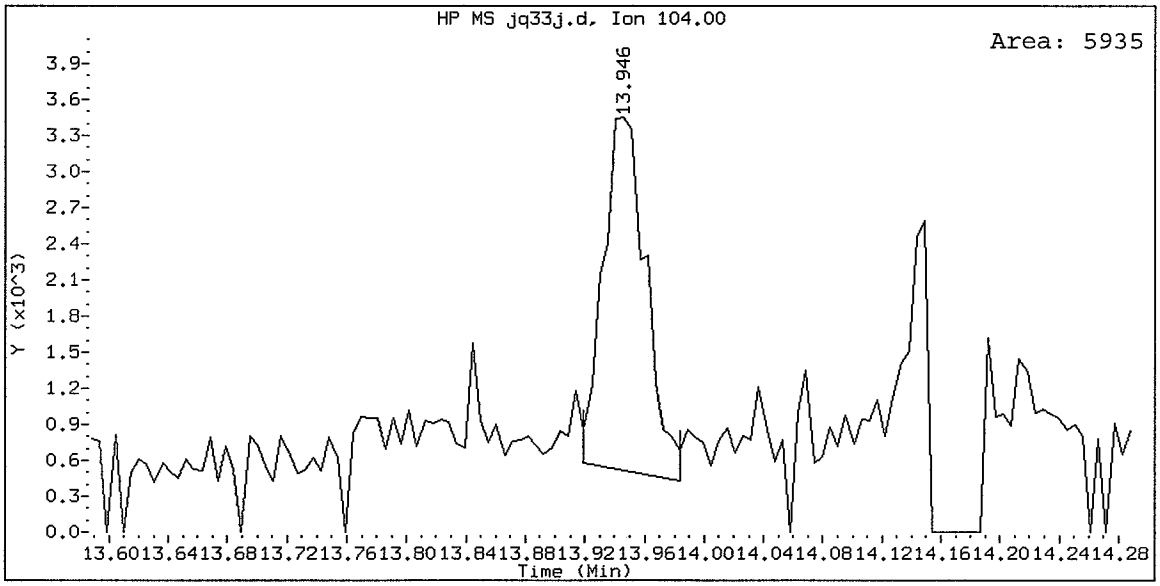




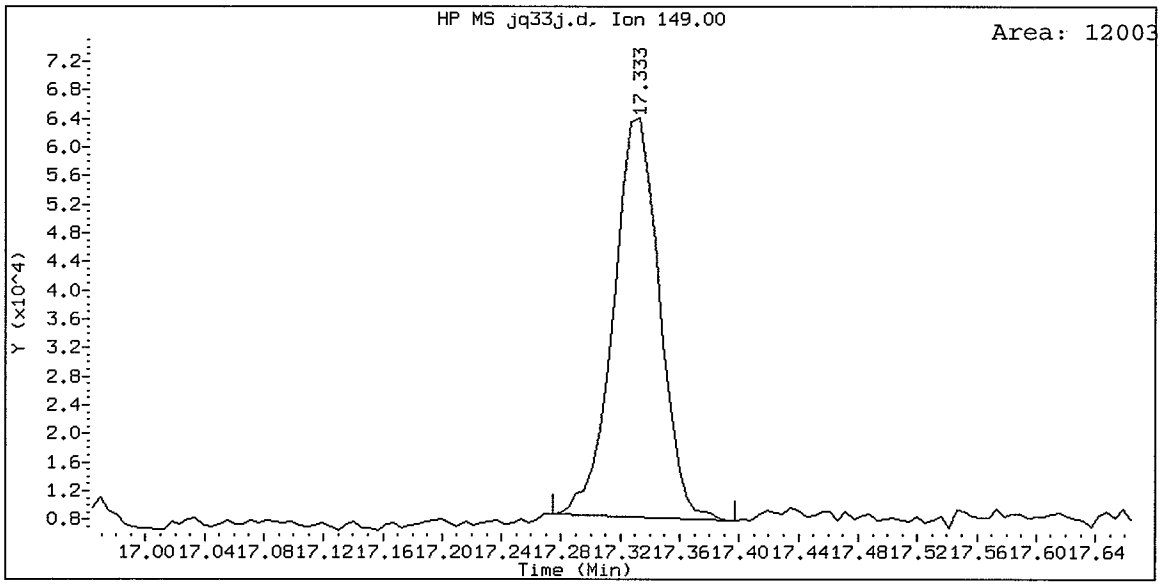
JQ33J, /chem1/nt6.i/20060801.b/jq33j.d
Di-n-butylphthalate Amount: 1.98

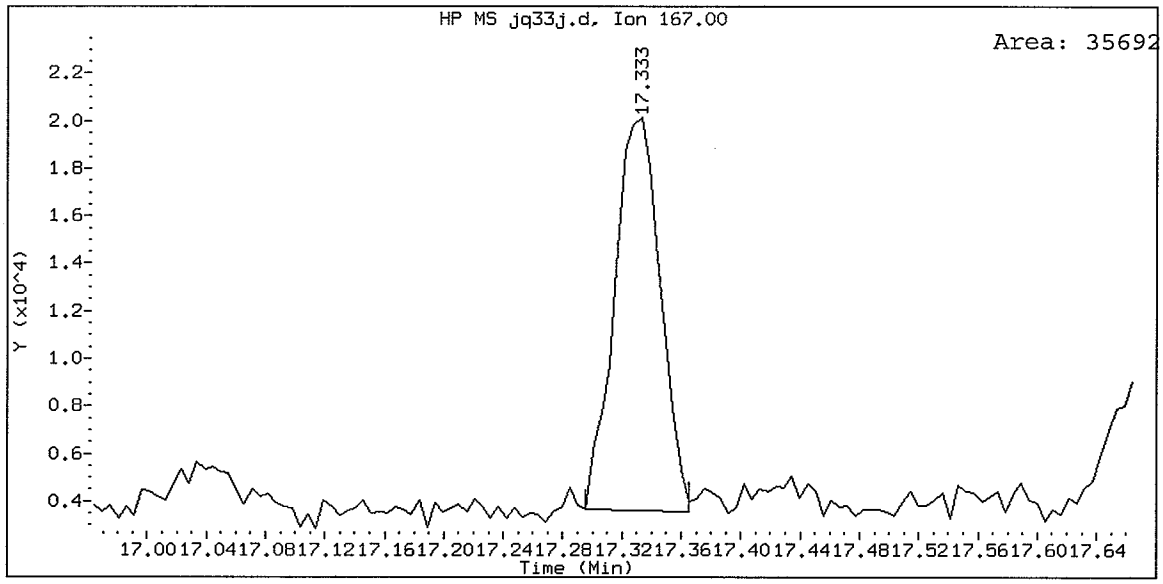


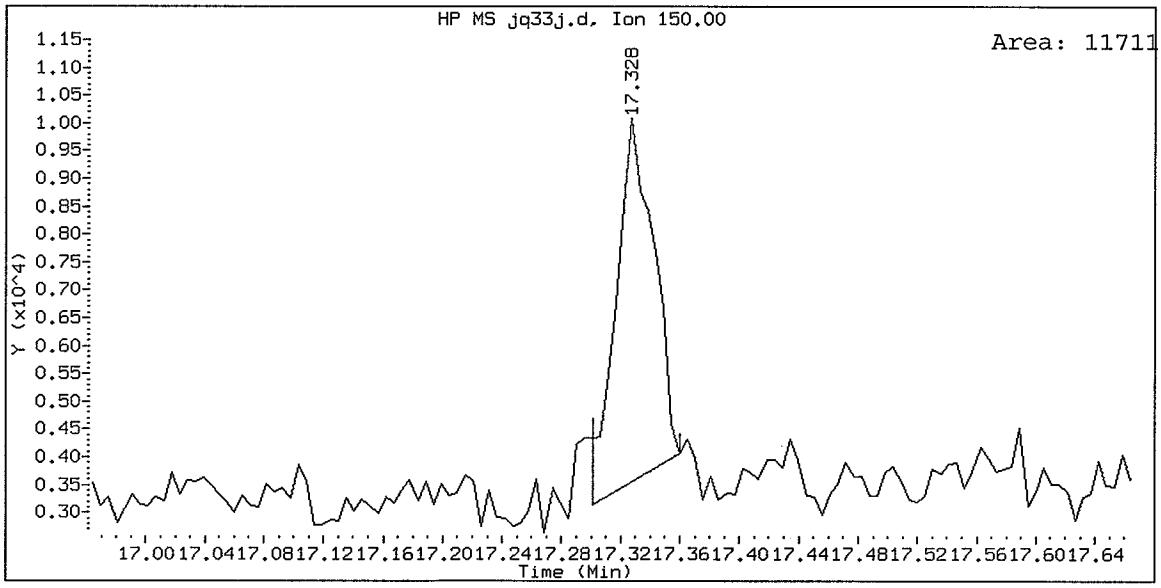




JQ33J, /chem1/nt6.i/20060801.b/jq33j.d
bis(2-Ethylhexyl)phthalate Amount: 4.19







ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	61.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060801.b/jq33k.d
Lab Smp Id: JQ33K Client Smp ID: T4-B414-04-B
Inj Date : 01-AUG-2006 21:39
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33K
Misc Info : 06-12933
Comment : 1ul Injection
Method : /chem1/nt6.i/20060801.b/SW846.m
Meth Date : 03-Aug-2006 13:22 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/3/06

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	95.20000	Weight of sample extracted (g)
M	47.10000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	3.571	3.485	(0.642)	418269	23.8978	474.5(M)
$	2 Phenol-d5	99	5.334	5.307	(0.959)	508900	23.9966	476.5
	3 Phenol	94	5.350	5.323	(0.962)	69553	2.632026	52.26(M)
$	5 2-Chlorophenol-d4	132	5.302	5.275	(0.953)	406038	22.5802	448.4
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	5.564	5.558	(1.000)	237192	20.0000	(M)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.858	5.852	(1.053)	160031	13.8057	274.1(M)
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
16	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
15	4-Methylphenol	108	Compound Not Detected.					
$ 18	Nitrobenzene-d5	82	6.520	6.520	(0.858)	327756	14.5847	289.6
19	Nitrobenzene	77	Compound Not Detected.					
20	Isophorone	82	Compound Not Detected.					
21	2-Nitrophenol	139	Compound Not Detected.					
22	2,4-Dimethylphenol	107	Compound Not Detected.					
23	Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
24	Benzoic acid	105	7.695	7.647	(1.013)	574523	57.4929	1142(M)
25	2,4-Dichlorophenol	162	Compound Not Detected.					
26	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
* 27	Naphthalene-d8	136	7.599	7.599	(1.000)	830129	20.0000	
28	Naphthalene	128	Compound Not Detected.					
29	4-Chloroaniline	127	Compound Not Detected.					
30	Hexachlorobutadiene	225	Compound Not Detected.					
31	4-Chloro-3-methylphenol	107	Compound Not Detected.					
32	2-Methylnaphthalene	141	Compound Not Detected.					
33	Hexachlorocyclopentadiene	237	Compound Not Detected.					
34	2,4,6-Trichlorophenol	196	Compound Not Detected.					
35	2,4,5-Trichlorophenol	196	Compound Not Detected.					
$ 36	2-Fluorobiphenyl	172	9.415	9.421	(0.906)	532840	15.2686	303.2
37	2-Chloronaphthalene	162	Compound Not Detected.					
38	2-Nitroaniline	65	Compound Not Detected.					
39	Dimethylphthalate	163	Compound Not Detected.					
40	Acenaphthylene	152	Compound Not Detected.					
41	2,6-Dinitrotoluene	165	Compound Not Detected.					
* 42	Acenaphthene-d10	164	10.393	10.393	(1.000)	467378	20.0000	
43	3-Nitroaniline	138	Compound Not Detected.					
44	Acenaphthene	153	10.441	10.441	(1.005)	38588	1.28574	25.53
45	2,4-Dinitrophenol	184	Compound Not Detected.					
46	Dibenzofuran	168	Compound Not Detected.					
47	4-Nitrophenol	109	Compound Not Detected.					
48	2,4-Dinitrotoluene	165	Compound Not Detected.					
50	Diethylphthalate	149	Compound Not Detected.					
49	Fluorene	166	11.237	11.237	(1.081)	28775	0.85904 LPL	17.06
51	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
52	4-Nitroaniline	138	Compound Not Detected.					
53	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
54	N-Nitrosodiphenylamine	169	Compound Not Detected.					
$ 55	2,4,6-Tribromophenol	330	11.665	11.659	(1.122)	112851	25.1103	498.6
56	4-Bromophenyl-phenylether	248	Compound Not Detected.					
57	Hexachlorobenzene	284	Compound Not Detected.					
58	Pentachlorophenol	266	Compound Not Detected.					
* 59	Phenanthrene-d10	188	12.685	12.679	(1.000)	667128	20.0000	
60	Phenanthrene	178	12.717	12.711	(1.003)	314903	7.09059	140.8(M)
61	Anthracene	178	12.786	12.781	(1.008)	51715	1.15991	23.03
62	Carbazole	167	13.118	13.112	(1.034)	51732	1.44136	28.62

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	63 Di-n-butylphthalate	149	13.946	13.940	(1.099)	77472	1.80205 B	35.78 (M)
	64 Fluoranthene	202	14.592	14.586	(1.150)	622070	14.2070	282.1
	65 Pyrene	202	14.918	14.912	(0.884)	521545	10.5536	209.6
$	66 Terphenyl-d14	244	15.335	15.329	(0.909)	474534	15.2736	303.3
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	16.852	16.846	(0.998)	346056	7.81117	155.1
*	69 Chrysene-d12	240	16.878	16.862	(1.000)	586685	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	16.910	16.900	(1.002)	421050	9.56388	189.9
	72 bis(2-Ethylhexyl)phthalate	149	17.327	17.316	(0.950)	39335	1.84037 B	36.54 (M)
*	134 Di-n-octylphthalate-d4	153	18.246	18.235	(1.000)	846499	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	18.470	18.449	(0.974)	390864	8.97838	178.3 (M)
	75 Benzo(k)fluoranthene	252	18.470	18.481	(0.974)	477056	10.5973	210.4 (M)
	76 Benzo(a)pyrene	252	18.882	18.860	(0.995)	375964	8.97271	178.2
*	77 Perylene-d12	264	18.967	18.946	(1.000)	663098	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	20.287	20.270	(1.070)	291868	5.72574	113.7
	79 Dibenzo(a,h)anthracene	278	20.335	20.319	(1.072)	89994	1.79728	35.69
	80 Benzo(g,h,i)perylene	276	20.565	20.548	(1.084)	261865	4.90594	97.42
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33k.d
Lab Smp Id: JQ33K
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12933

Calibration Date: 01-AUG-2006
Calibration Time: 11:57
Client Smp ID: T4-B414-04-B
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	203506	101753	407012	237192	16.55
27 Naphthalene-d8	730969	365484	1461938	830129	13.57
42 Acenaphthene-d10	404762	202381	809524	467378	15.47
59 Phenanthrene-d10	594244	297122	1188488	667128	12.26
69 Chrysene-d12	406863	203432	813726	586685	44.20
134 Di-n-octylphthala	618730	309365	1237460	846499	36.81
77 Perylene-d12	432016	216008	864032	663098	53.49

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.56	5.06	6.06	5.56	0.10
27 Naphthalene-d8	7.60	7.10	8.10	7.60	0.00
42 Acenaphthene-d10	10.39	9.89	10.89	10.39	0.00
59 Phenanthrene-d10	12.68	12.18	13.18	12.68	0.04
69 Chrysene-d12	16.86	16.36	17.36	16.88	0.10
134 Di-n-octylphthala	18.24	17.74	18.74	18.25	0.06
77 Perylene-d12	18.95	18.45	19.45	18.97	0.11

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

Analytical Resources, Inc.

RECOVERY REPORT

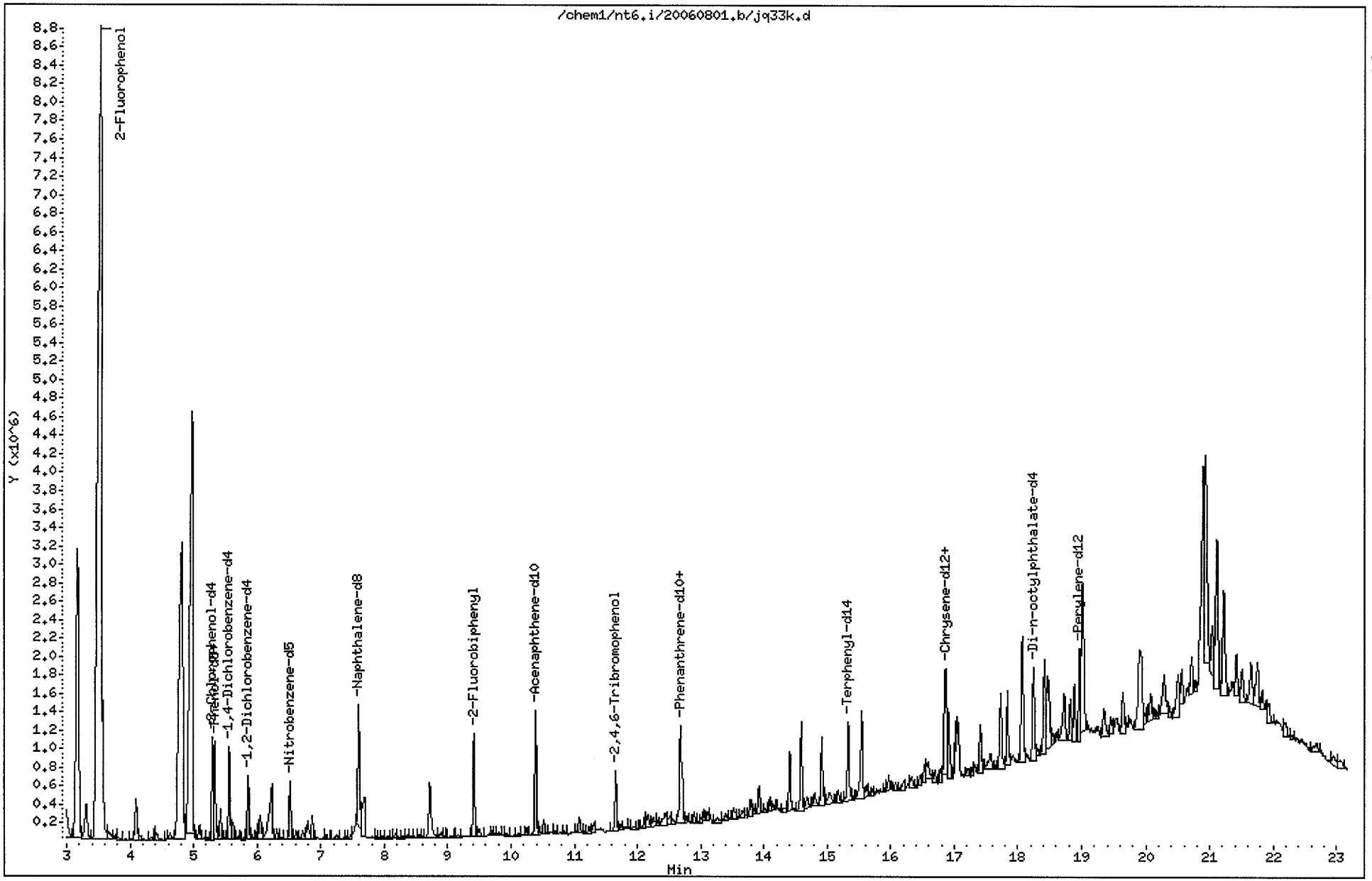
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33K
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12933

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-04-B
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	744.6	474.5	63.73	22-91
$ 2 Phenol-d5	744.6	476.5	63.99	26-99
$ 5 2-Chlorophenol-d4	744.6	448.4	60.21	29-96
$ 10 1,2-Dichlorobenzen	496.4	274.1	55.22	24-87
$ 18 Nitrobenzene-d5	496.4	289.6	58.34	27-101
$ 36 2-Fluorobiphenyl	496.4	303.2	61.07	30-100
$ 55 2,4,6-Tribromophen	744.6	498.6	66.96	20-114
$ 66 Terphenyl-d14	496.4	303.3	61.09	12-120

Data File: /chem1/nt6.i/20060801.b/jq33k.d
Date : 01-AUG-2006 21:39
Client ID: T4-B414-04-B
Sample Info: JQ33K
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



1019

Data File: /chem1/nt6.i/20060801.b/jq33k.d

Date : 01-AUG-2006 21:39

Client ID: T4-B414-04-B

Instrument: nt6.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

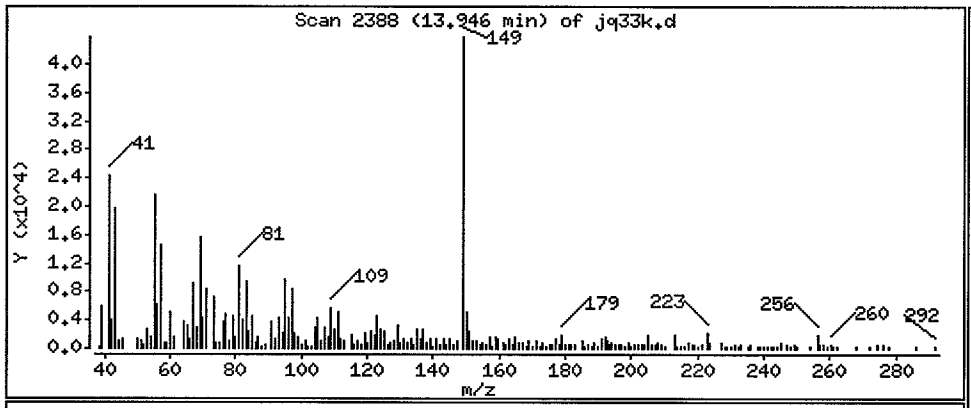
Operator: LJR

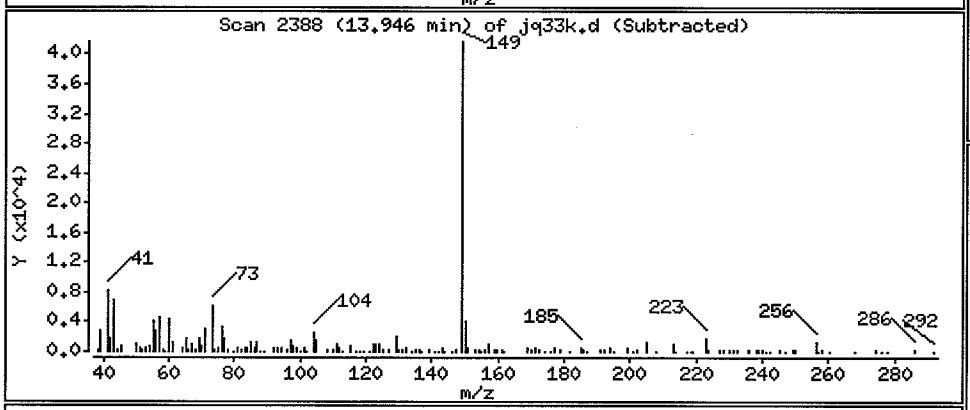
Column phase: ZB-5

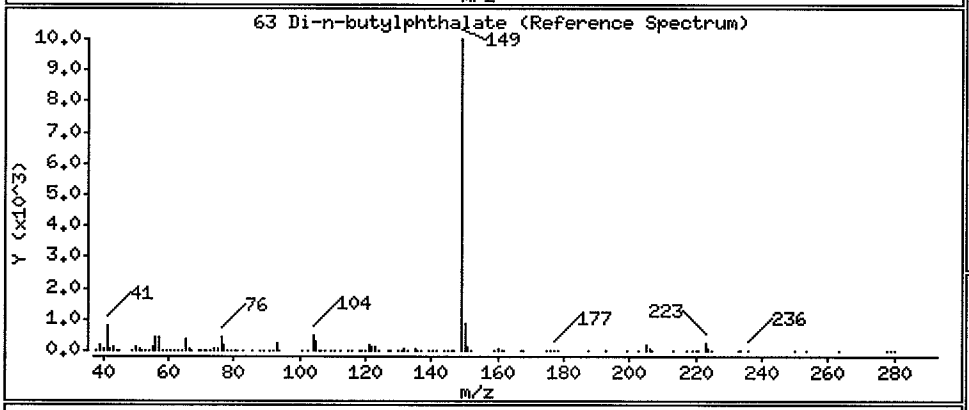
Column diameter: 0.32

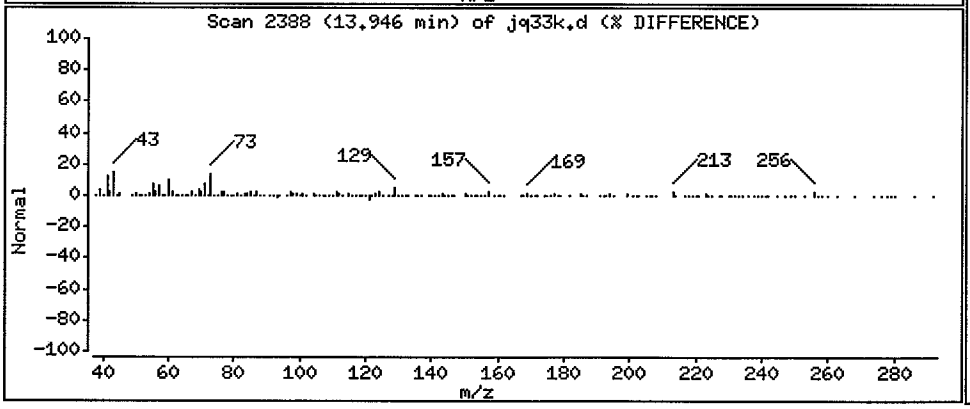
63 Di-n-butylphthalate

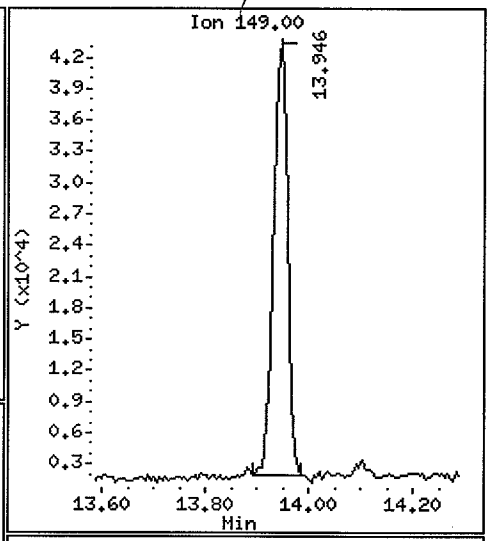
Concentration: 35.78 ug/kg

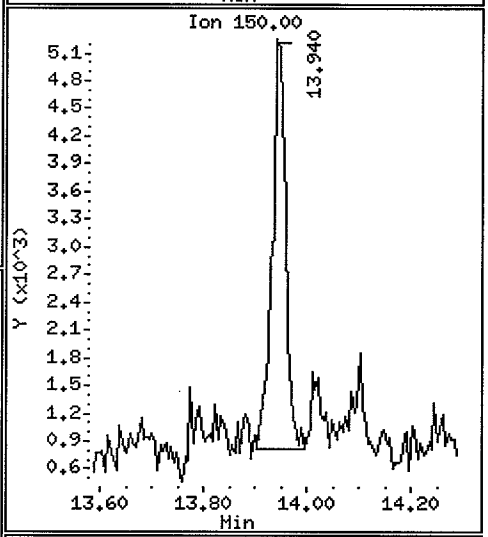


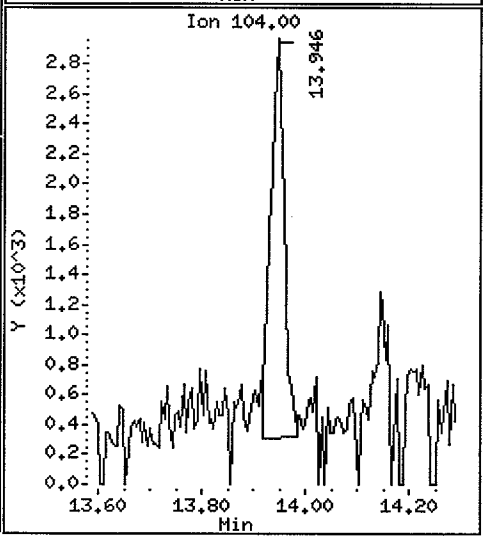












Data File: /chem1/nt6.i/20060801.b/jq33k.d

Date : 01-AUG-2006 21:39

Client ID: T4-B414-04-B

Instrument: nt6.i

Sample Info: JQ33K

Volume Injected (uL): 1.0

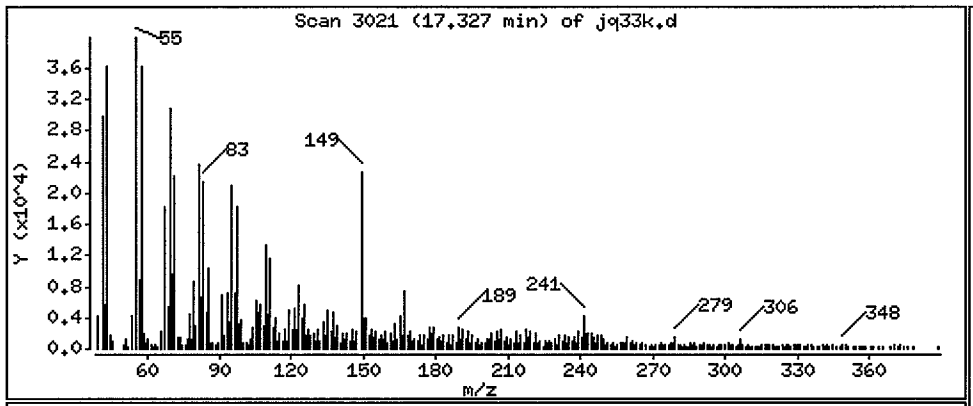
Operator: LJR

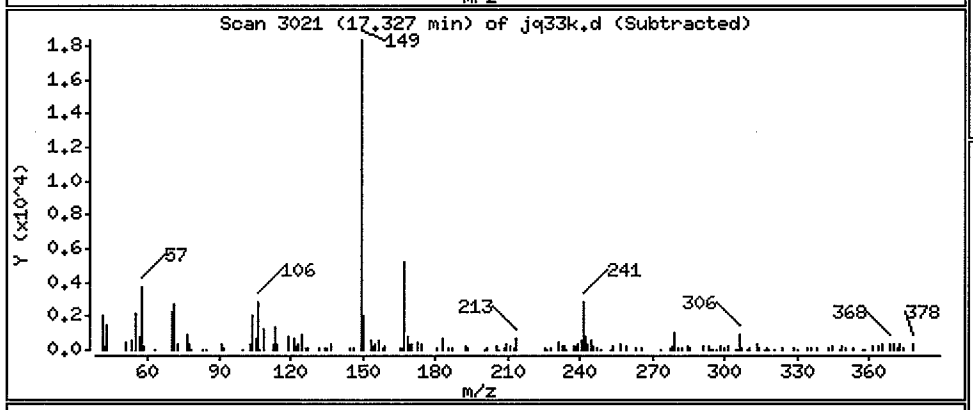
Column phase: ZB-5

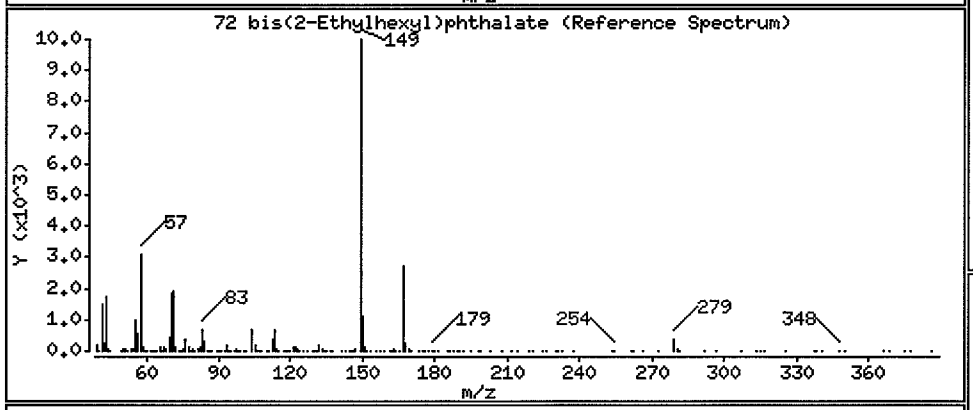
Column diameter: 0.32

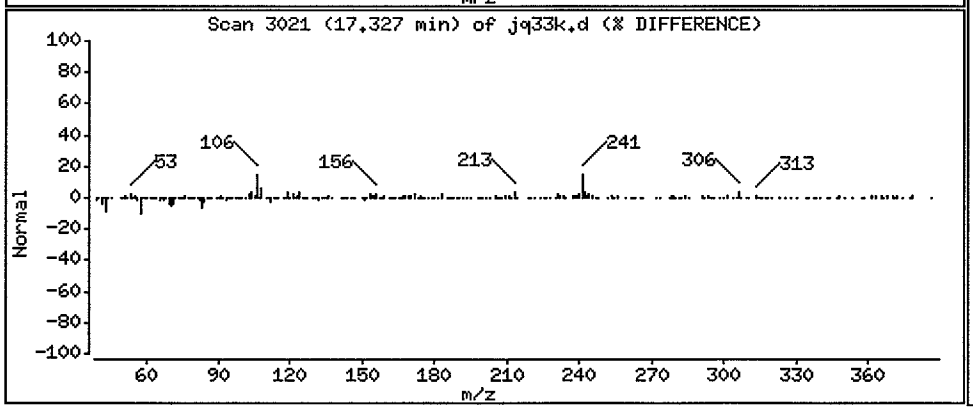
72 bis(2-Ethylhexyl)phthalate

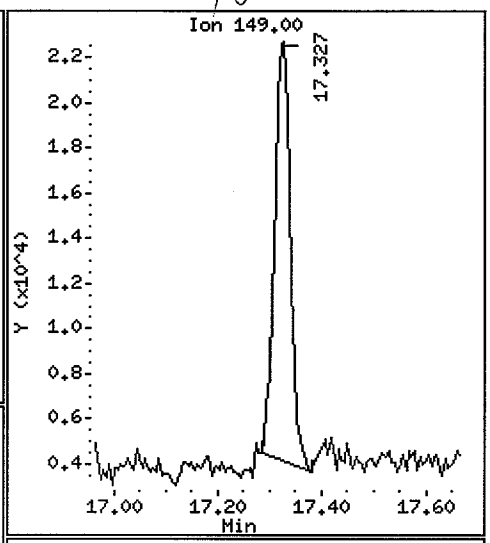
Concentration: 36.54 ug/kg

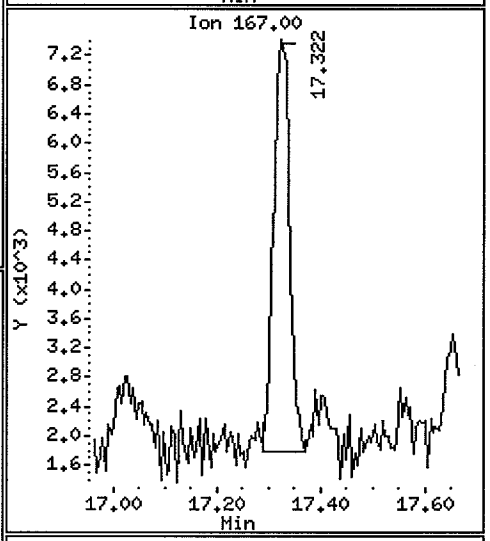


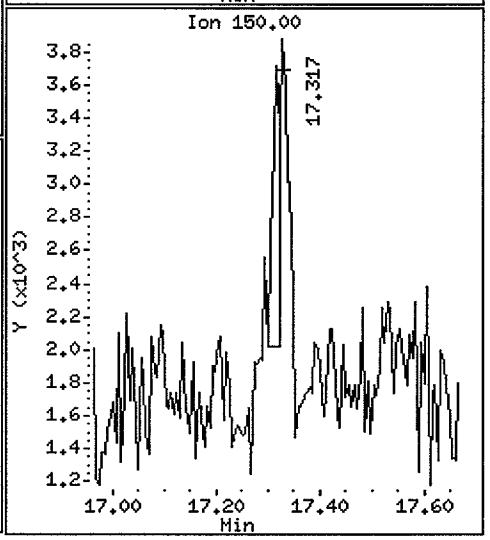




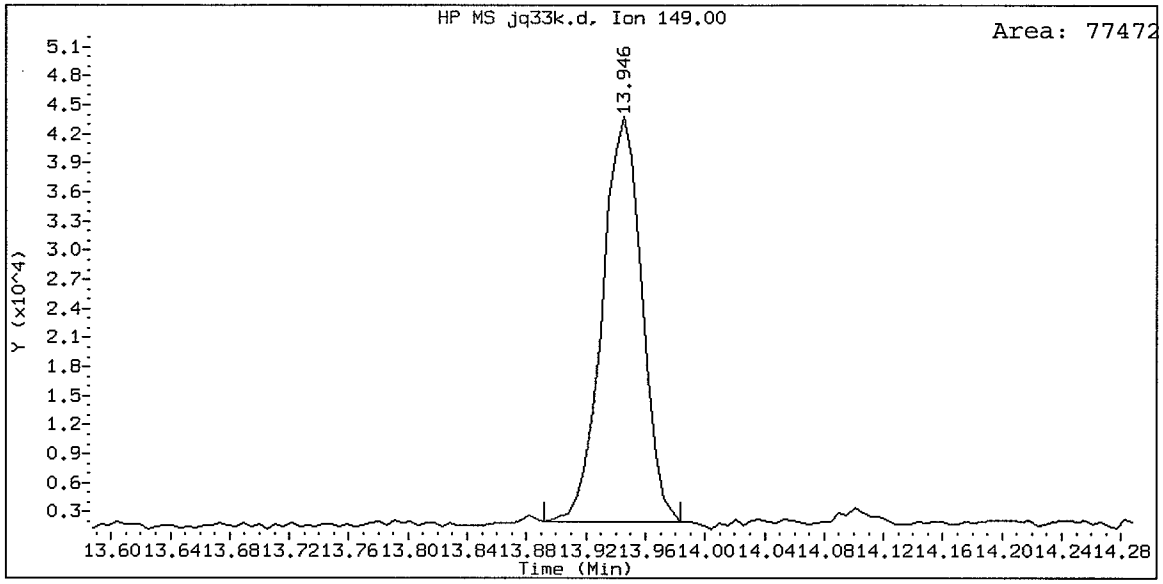


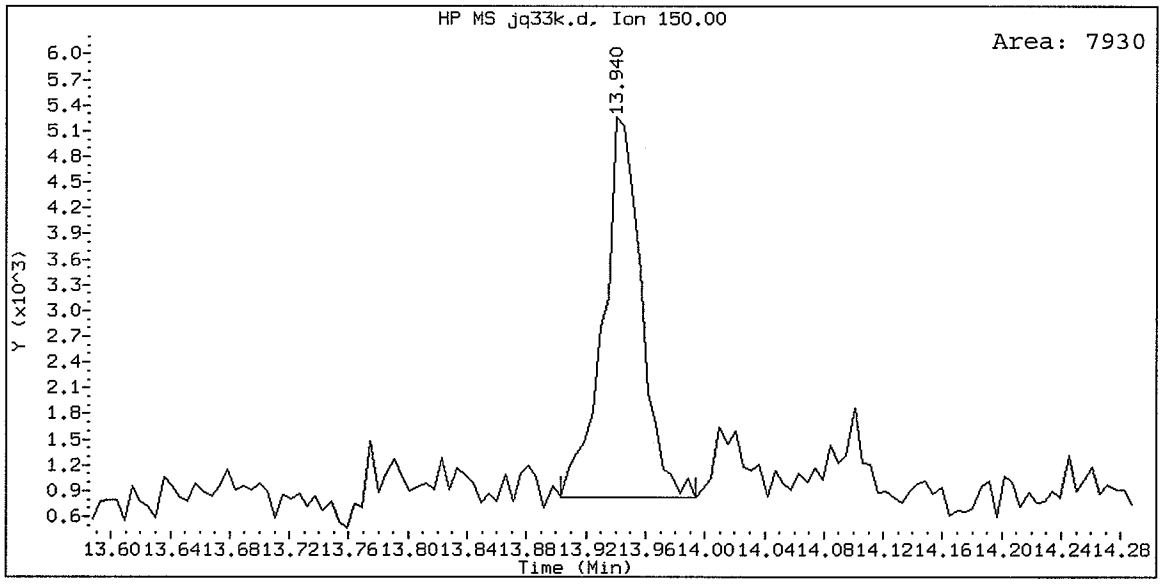


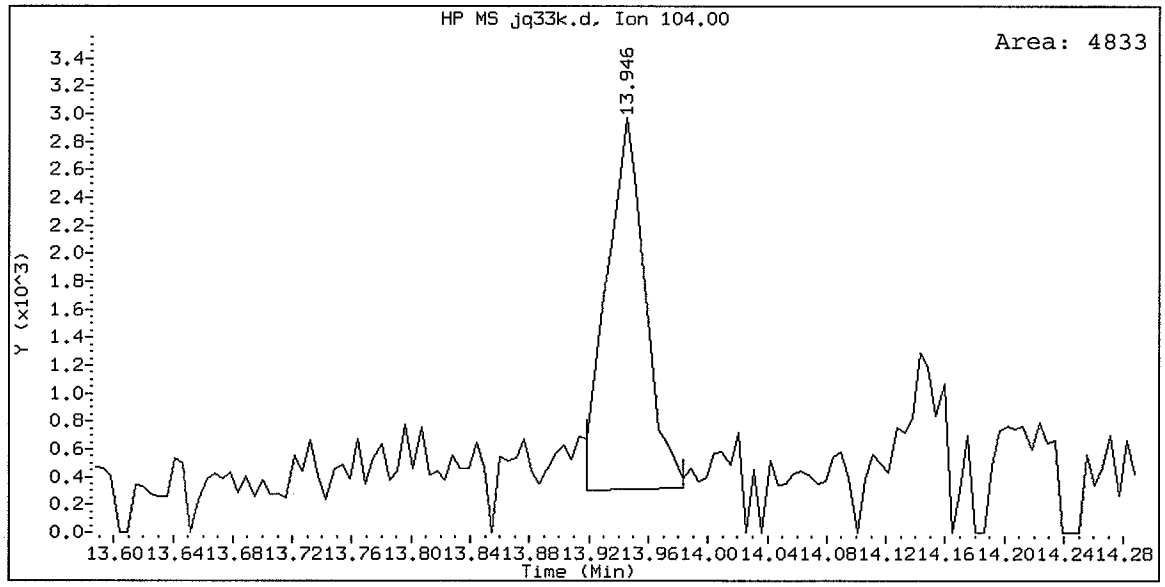




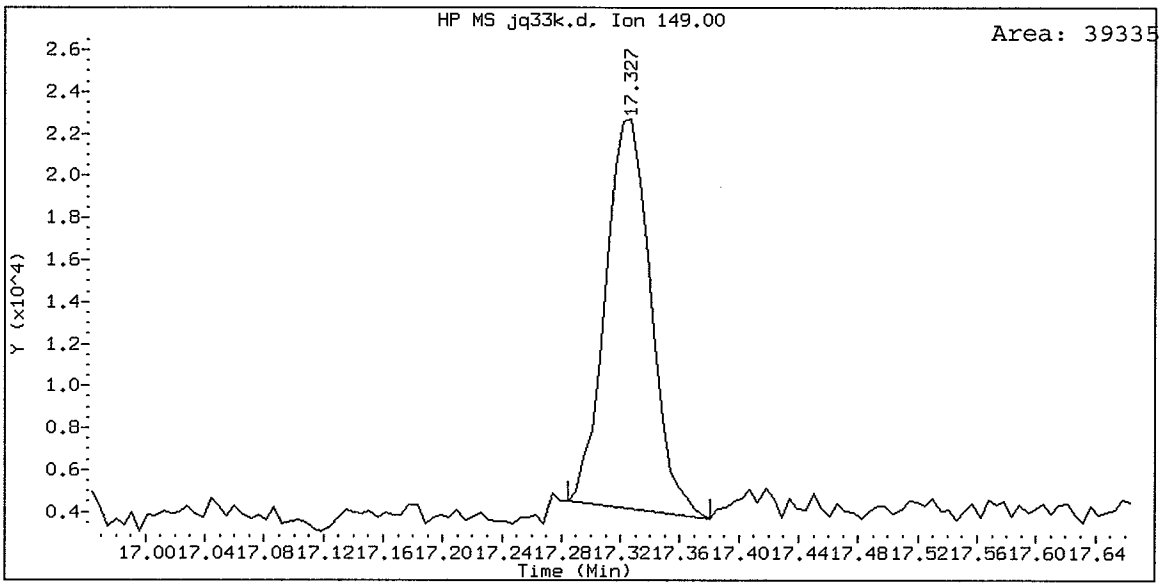
JQ33K, /chem1/nt6.i/20060801.b/jq33k.d
Di-n-butylphthalate Amount: 1.80

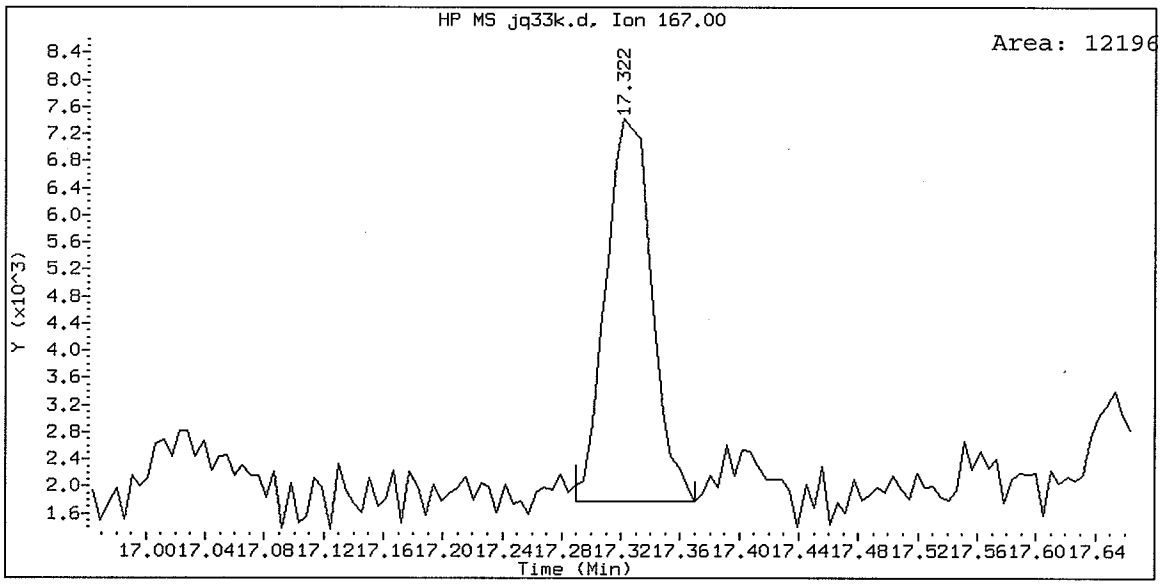


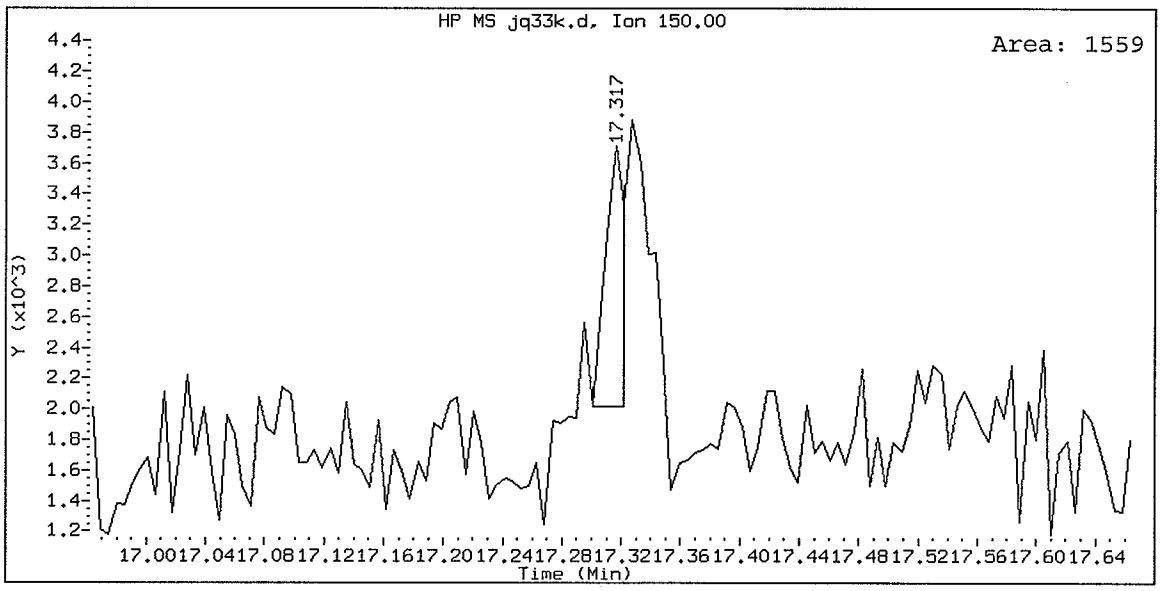




JQ33K, /chem1/nt6.i/20060801.b/jq33k.d
bis(2-Ethylhexyl)phthalate Amount: 1.84







ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	54.0%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060801.b/jq33l.d
Lab Smp Id: JQ33L Client Smp ID: T4-B414-04-C
Inj Date : 01-AUG-2006 22:10
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33L
Misc Info : 06-12934
Comment : 1ul Injection
Method : /chem1/nt6.i/20060801.b/SW846.m
Meth Date : 03-Aug-2006 13:22 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/3/06

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	99.70000	Weight of sample extracted (g)
M	49.30000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	3.576	3.485	(0.643)	439794	22.1514	438.2(M)
$	2 Phenol-d5	99	5.334	5.307	(0.959)	531456	22.0920	437.1
	3 Phenol	94	5.355	5.323	(0.963)	68121	2.27251	44.96(M)
$	5 2-Chlorophenol-d4	132	5.297	5.275	(0.952)	427080	20.9374	414.2(M)
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	5.564	5.558	(1.000)	269060	20.0000	(M)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.863	5.852	(1.054)	154976	11.7861	233.2(M)
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	6.509	6.498	(1.170)	21826	1.07301	21.23
$	18 Nitrobenzene-d5	82	6.520	6.520	(0.858)	345417	13.4188	265.5
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	7.722	7.647	(1.016)	816806	71.3591	1412(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.599	7.599	(1.000)	950873	20.0000	
	28 Naphthalene	128	7.626	7.631	(1.004)	62797	1.08635	21.49
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.748	8.742	(1.151)	18909	0.60481 LDL	11.97
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.421	9.421	(0.906)	562404	14.2360	281.6
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.393	10.393	(1.000)	529095	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.441	10.441	(1.005)	72404	2.13107	42.16
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.697	10.703	(1.029)	31295	0.66947 LDL	13.24
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.237	11.237	(1.081)	50878	1.34172	26.54
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.659	11.659	(1.122)	120678	23.7197	469.3
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.685	12.679	(1.000)	778809	20.0000	
	60 Phenanthrene	178	12.717	12.711	(1.003)	517432	9.98014	197.4
	61 Anthracene	178	12.781	12.781	(1.008)	81949	1.57446	31.15
	62 Carbazole	167	13.117	13.112	(1.034)	71055	1.69585	33.55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	13.945	13.940	(1.099)	48591	0.96818 LDL	19.15(M) J LDL
64	Fluoranthene	202	14.597	14.586	(1.151)	971123	18.9983	375.8
65	Pyrene	202	14.923	14.912	(0.884)	831322	12.7987	253.2
$ 66	Terphenyl-d14	244	15.334	15.329	(0.909)	551332	13.5014	267.1
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	16.857	16.846	(0.999)	565777	9.71639	192.2
* 69	Chrysene-d12	240	16.878	16.862	(1.000)	771108	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	16.916	16.900	(1.002)	695424	12.0182	237.8
72	bis(2-Ethylhexyl)phthalate	149	17.327	17.316	(0.949)	67232	2.36095 B	46.71(M)
* 134	Di-n-octylphthalate-d4	153	18.251	18.235	(1.000)	1127809	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	18.476	18.449	(0.974)	625316	10.9204	216.0(M)
75	Benzo(k)fluoranthene	252	18.476	18.481	(0.974)	840399	14.1931	280.8(M)
76	Benzo(a)pyrene	252	18.892	18.860	(0.995)	636348	11.5462	228.4
* 77	Perylene-d12	264	18.978	18.946	(1.000)	872188	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	20.297	20.270	(1.070)	497323	7.41739	146.7
79	Dibenzo(a,h)anthracene	278	20.340	20.319	(1.072)	185813	2.82128	55.81
80	Benzo(g,h,i)perylene	276	20.580	20.548	(1.084)	441904	6.29420	124.5
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

NOT Reported BB 8/10/06

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33l.d
Lab Smp Id: JQ33L
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12934

Calibration Date: 01-AUG-2006
Calibration Time: 11:57
Client Smp ID: T4-B414-04-C
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	203506	101753	407012	269060	32.21
27 Naphthalene-d8	730969	365484	1461938	950873	30.08
42 Acenaphthene-d10	404762	202381	809524	529095	30.72
59 Phenanthrene-d10	594244	297122	1188488	778809	31.06
69 Chrysene-d12	406863	203432	813726	771108	89.53
134 Di-n-octylphthala	618730	309365	1237460	1127809	82.28
77 Perylene-d12	432016	216008	864032	872188	101.89 <-

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.56	5.06	6.06	5.56	0.10
27 Naphthalene-d8	7.60	7.10	8.10	7.60	0.00
42 Acenaphthene-d10	10.39	9.89	10.89	10.39	0.00
59 Phenanthrene-d10	12.68	12.18	13.18	12.68	0.04
69 Chrysene-d12	16.86	16.36	17.36	16.88	0.10
134 Di-n-octylphthala	18.24	17.74	18.74	18.25	0.09
77 Perylene-d12	18.95	18.45	19.45	18.98	0.17

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

Analytical Resources, Inc.

RECOVERY REPORT

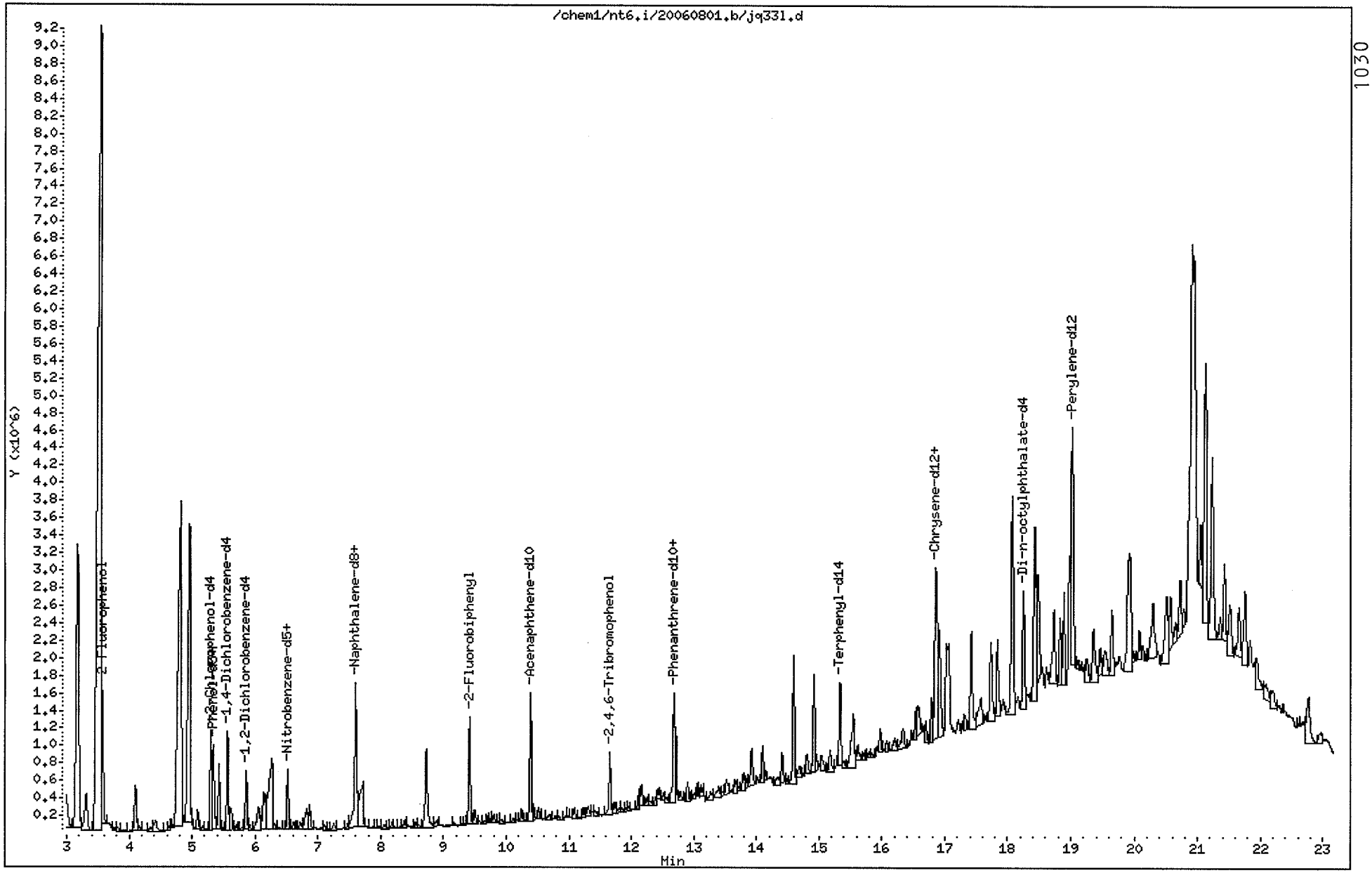
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33L
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info: 06-12934

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-B414-04-C
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	741.9	438.2	59.07	22-91
$ 2 Phenol-d5	741.9	437.1	58.91	26-99
$ 5 2-Chlorophenol-d4	741.9	414.2	55.83	29-96
$ 10 1,2-Dichlorobenzen	494.6	233.2	47.14	24-87
$ 18 Nitrobenzene-d5	494.6	265.5	53.68	27-101
$ 36 2-Fluorobiphenyl	494.6	281.6	56.94	30-100
$ 55 2,4,6-Tribromophen	741.9	469.3	63.25	20-114
$ 66 Terphenyl-d14	494.6	267.1	54.01	12-120

Data File: /chem1/nt6.i/20060801.b/jq331.d
Date : 01-AUG-2006 22:10
Client ID: T4-B414-04-C
Sample Info: JQ33L
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



Data File: /chem1/nt6.i/20060801.b/jq331.d

Date : 01-AUG-2006 22:10

Client ID: T4-B414-04-C

Instrument: nt6.i

Sample Info: JQ33L

Volume Injected (uL): 1.0

Operator: LJR

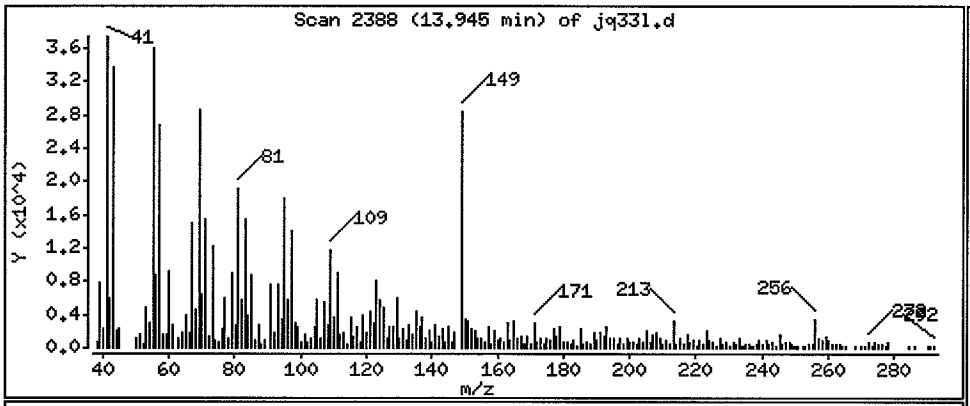
Column phase: ZB-5

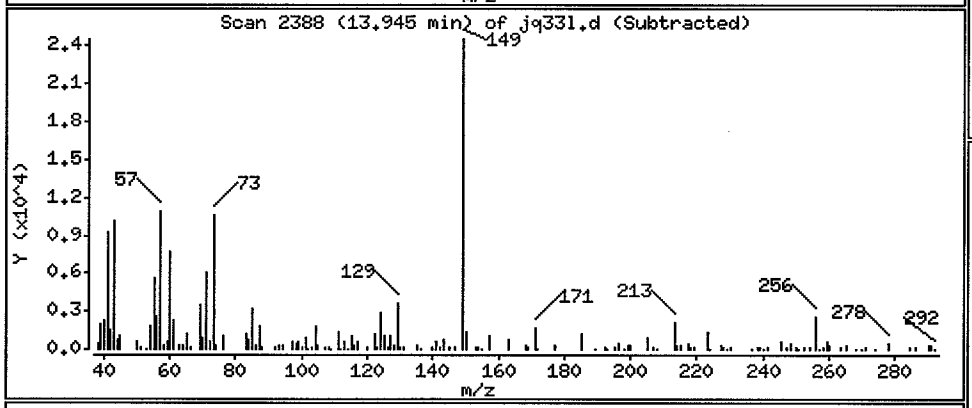
Column diameter: 0.32

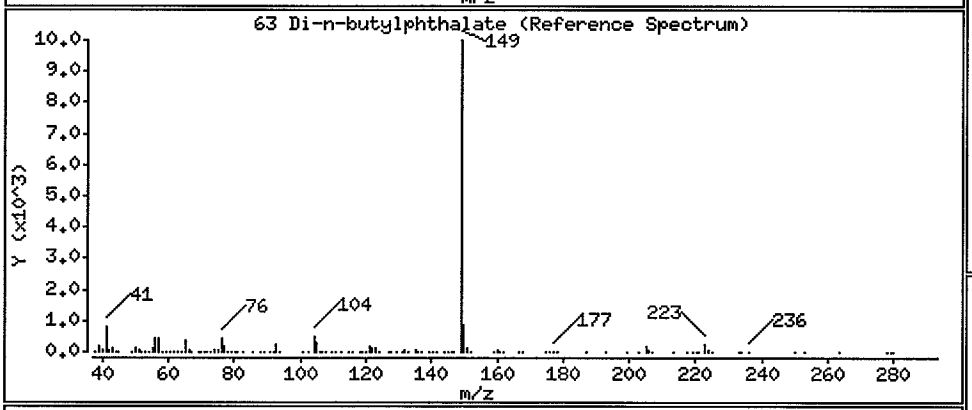
B J CRL not reported BJO 8/10/06

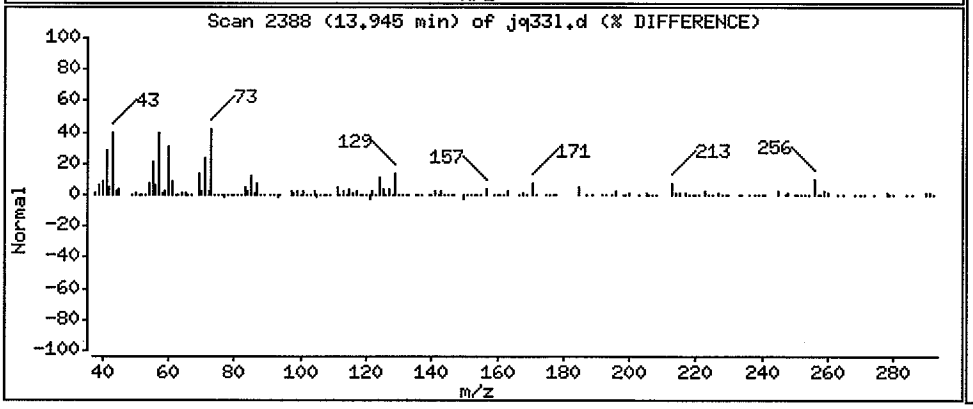
63 Di-n-butylphthalate

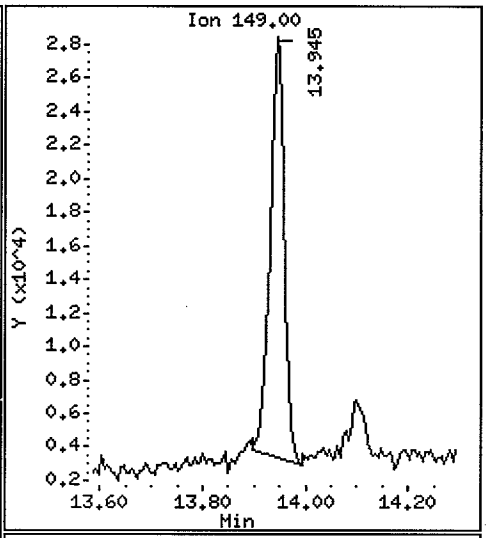
Concentration: 19.15 ug/kg

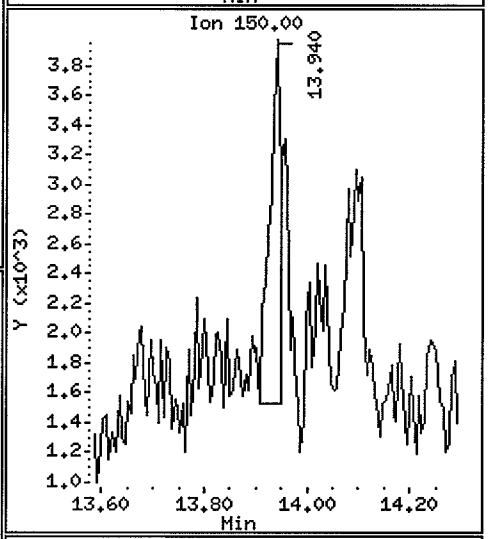


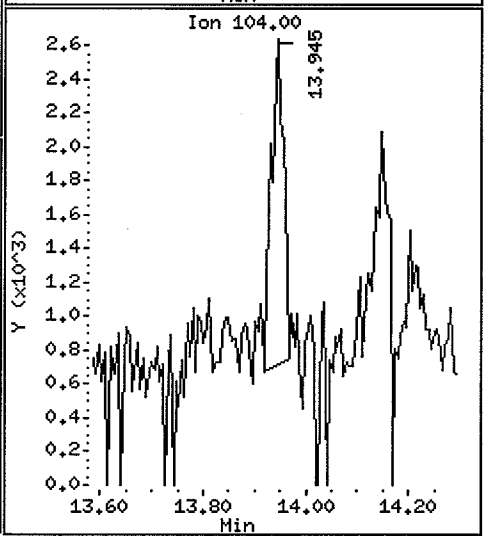












Data File: /chem1/nt6.i/20060801.b/jq331.d

Date : 01-AUG-2006 22:10

Client ID: T4-B414-04-C

Instrument: nt6.i

Sample Info: JQ33L

Volume Injected (uL): 1.0

Operator: LJR

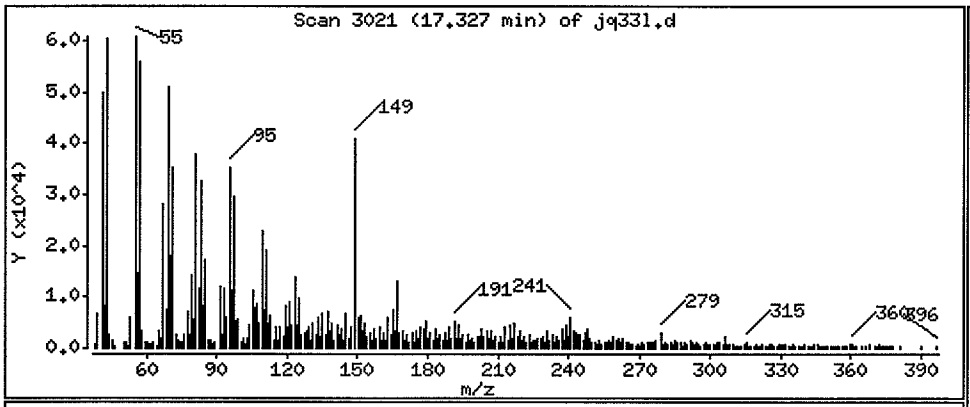
Column phase: ZB-5

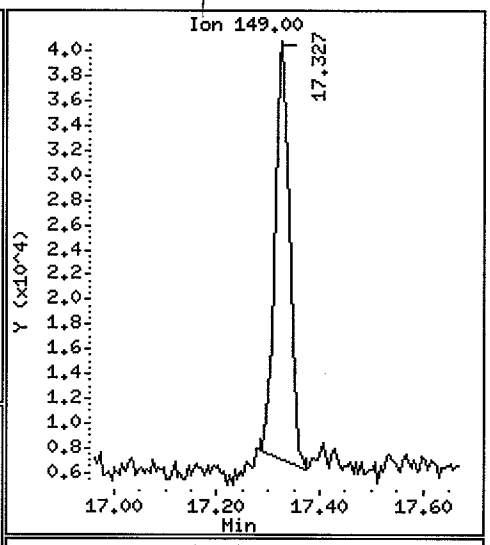
Column diameter: 0.32

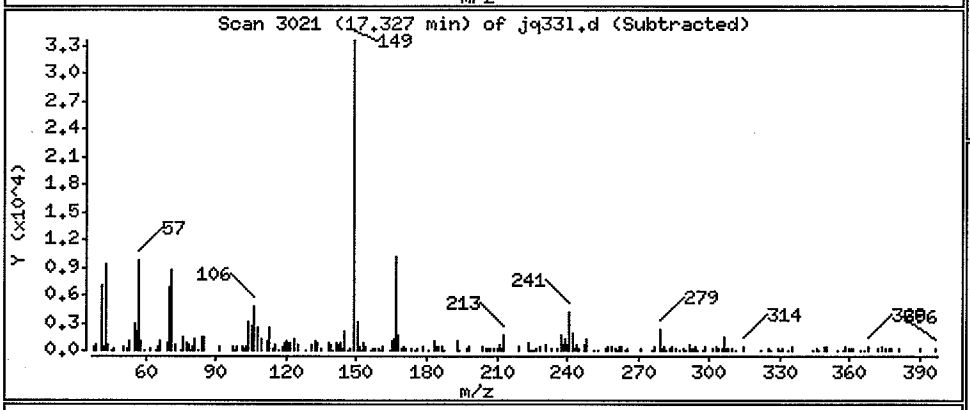
72 bis(2-Ethylhexyl)phthalate

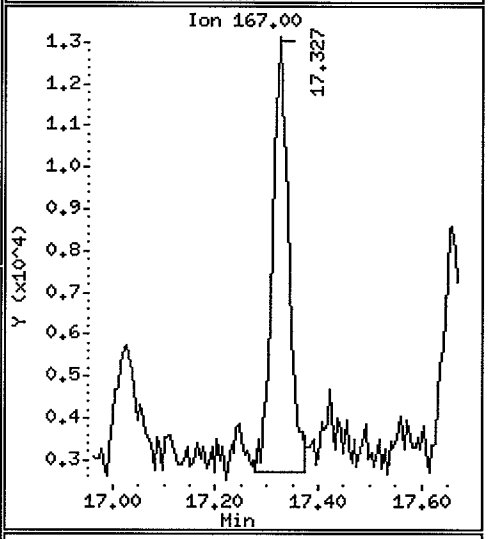
Concentration: 46.71 ug/kg

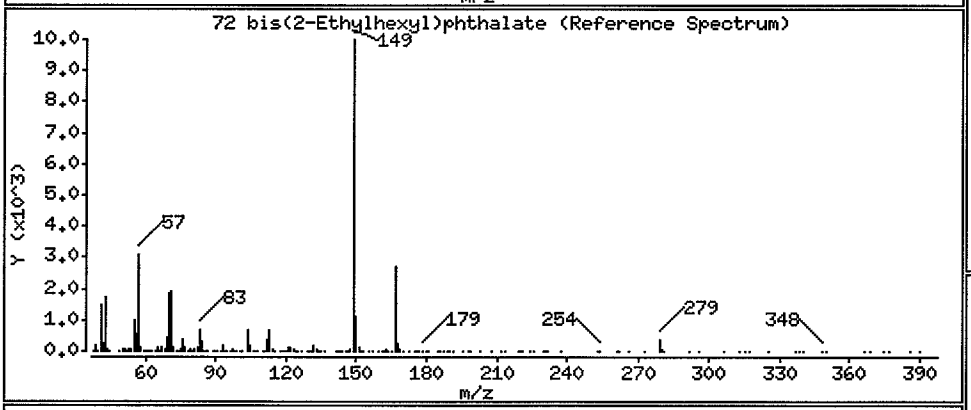
B

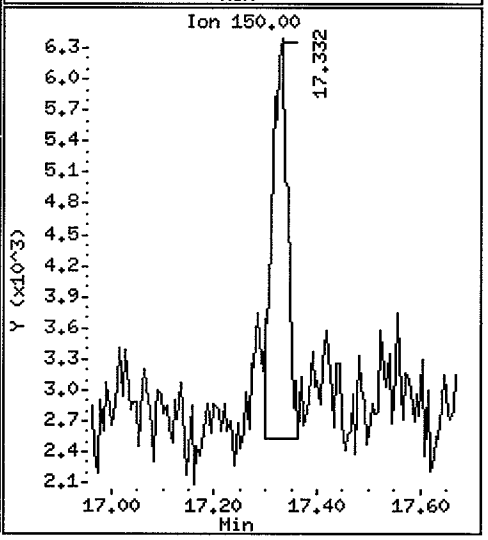


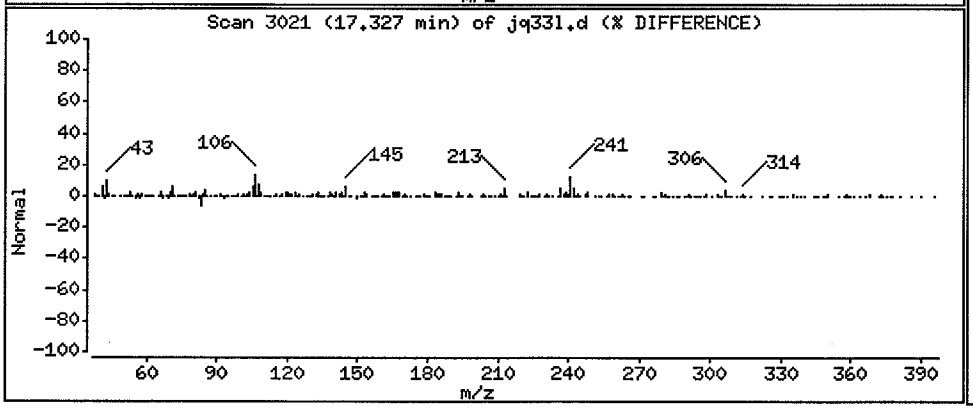






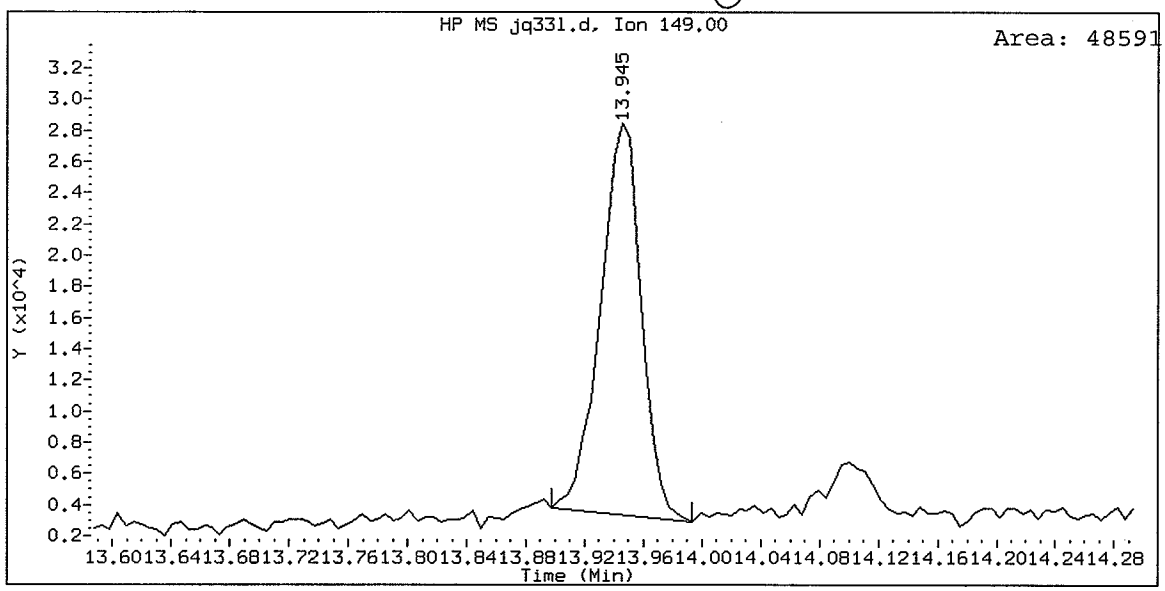


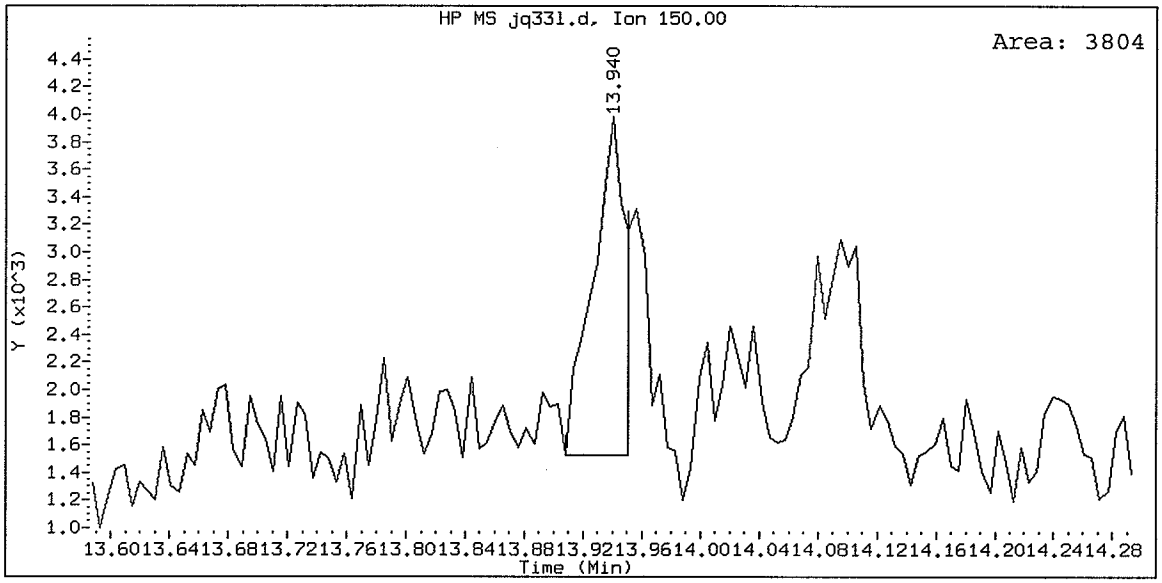


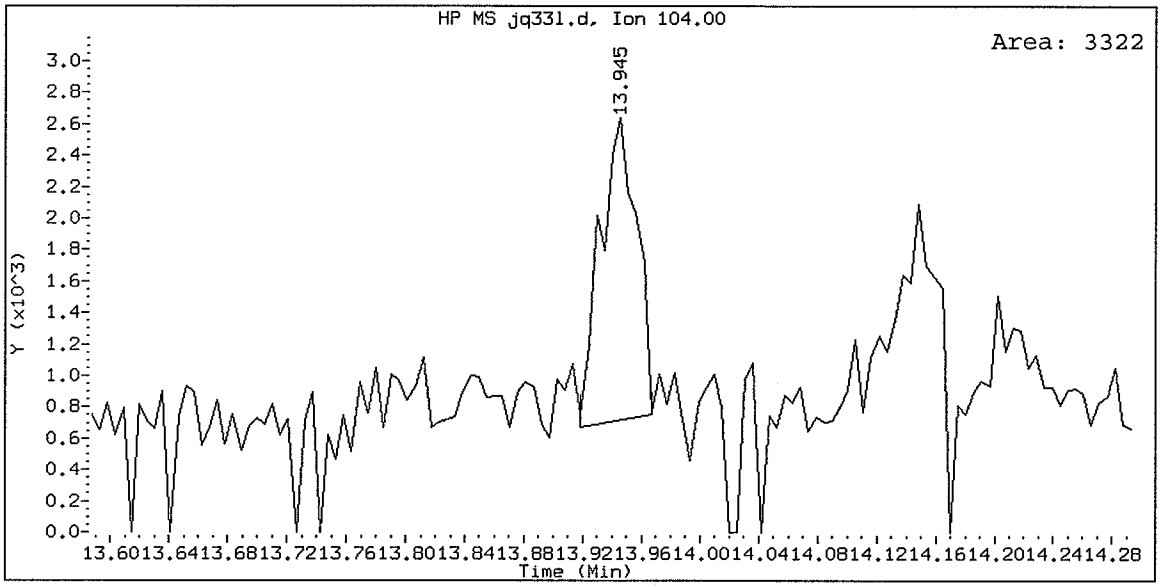


JQ33L, /chem1/nt6.i/20060801.b/jq33l.d
Di-n-butylphthalate Amount: 0.97

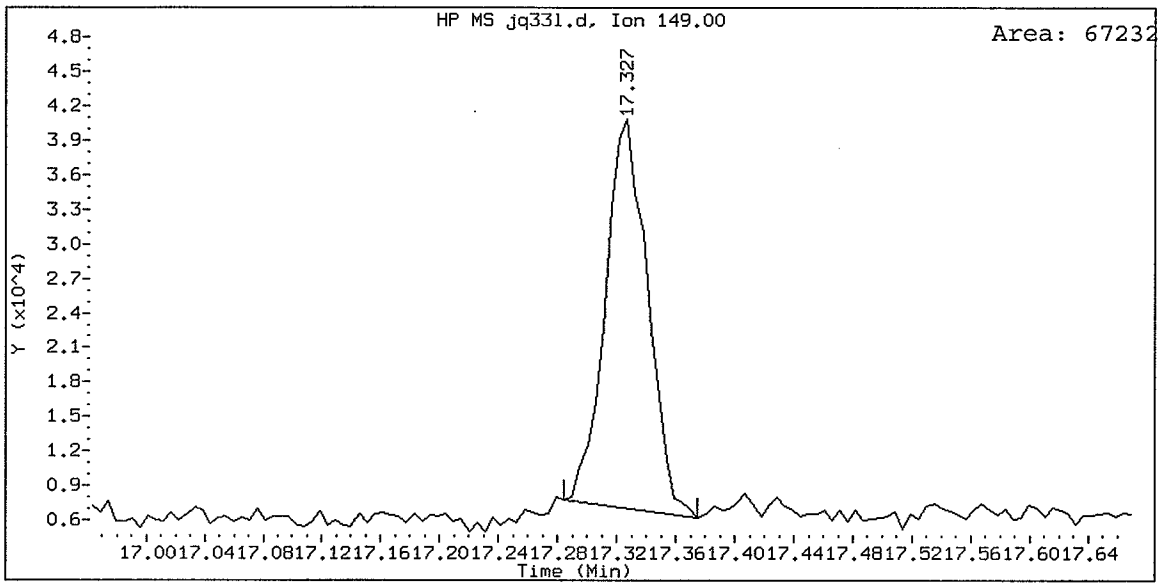
(B) LR

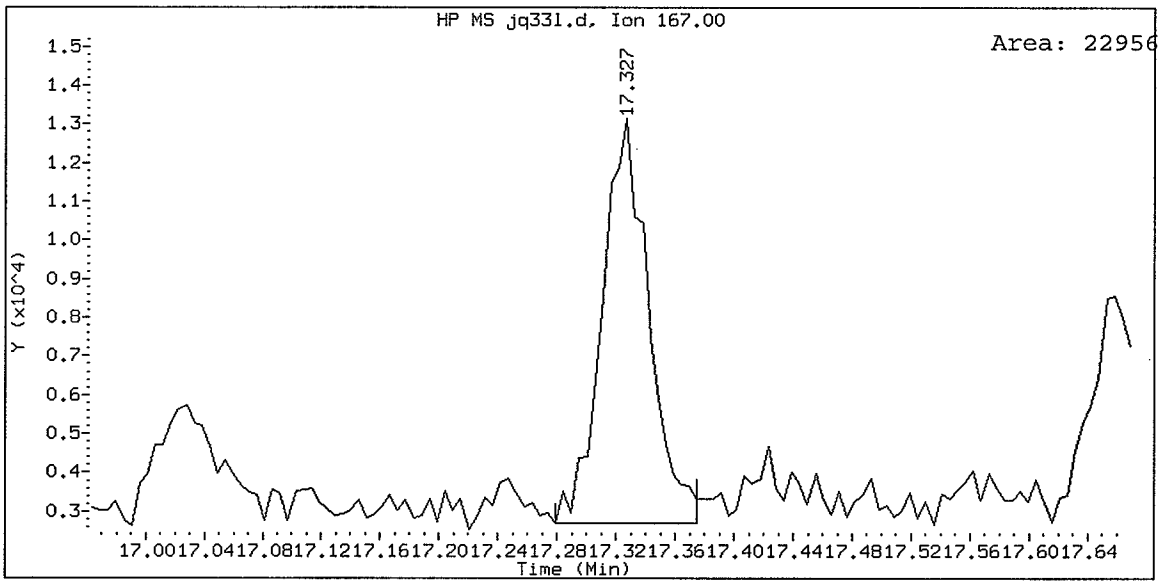


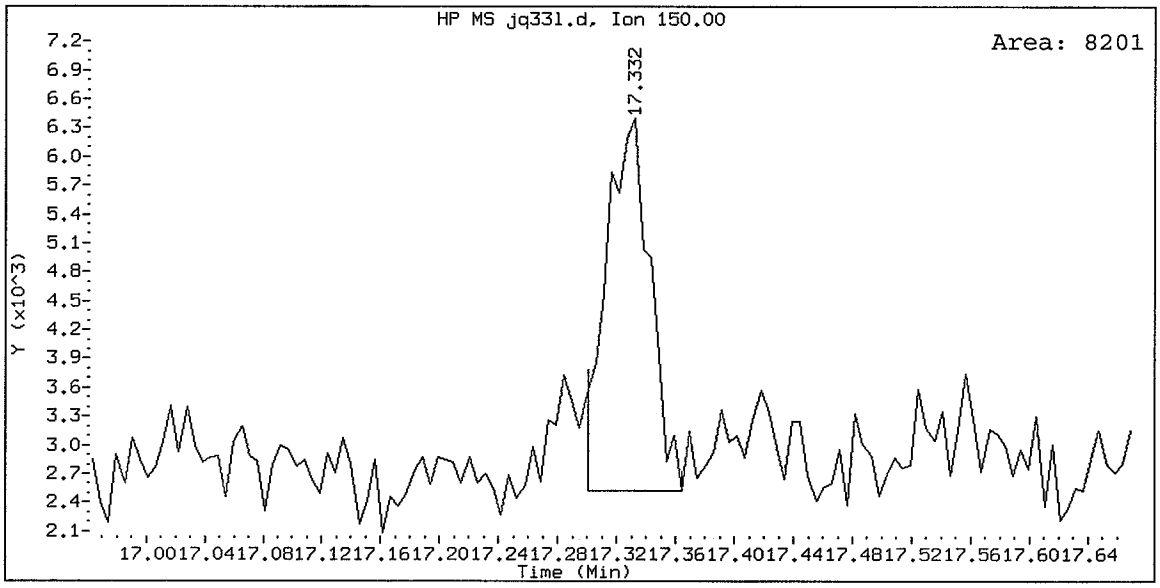




JQ33L, /chem1/nt6.i/20060801.b/jq33l.d
bis(2-Ethylhexyl)phthalate Amount: 2.36







ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	27.6%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060803.b/jq33mdl.d
Lab Smp Id: JQ33M Client Smp ID: T4-S3-01-D
Inj Date : 03-AUG-2006 09:52
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33M,5
Misc Info : 06-12935
Comment : 1ul Injection
Method : /chem1/nt6.i/20060803.b/SW846.m
Meth Date : 04-Aug-2006 12:15 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 4
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/4/06

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

Name	Value	Description
DF	5.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	99.70000	Weight of sample extracted (g)
M	49.10000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	3.444	3.405	(0.626)	45591	3.32068	327.2(M)
$	2 Phenol-d5	99	5.260	5.248	(0.956)	54301	3.26416	321.6(M)
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	5.222	5.216	(0.949)	46061	3.26544	321.7(M)
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	5.500	5.494	(1.000)	186060	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.799	5.798	(1.054)	19117	2.10242	207.1(M)
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.462	6.466	(0.856)	36769	2.13449	210.3
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	7.472	7.577	(0.990)	13567	1.77116 LDL	174.5
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.546	7.545	(1.000)	636326	20.0000	
	28 Naphthalene	128	7.573	7.577	(1.004)	162681	4.20543	414.3
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.690	8.688	(1.151)	46261	2.21109	217.9
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.368	9.367	(0.906)	70566	2.43604	240.0
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.335	10.334	(1.000)	387957	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.383	10.382	(1.005)	537948	21.5936	2128
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.645	10.643	(1.030)	152144	4.43877	437.3
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.179	11.178	(1.082)	267558	9.62279	948.1
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.601	11.605	(1.123)	17619	4.72293	465.3
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.627	12.620	(1.000)	734904	20.0000	
	60 Phenanthrene	178	12.669	12.652	(1.003)	4553937	93.0831 E	9171
	61 Anthracene	178	12.728	12.721	(1.008)	868419	17.6814	1742
	62 Carbazole	167	13.059	13.058	(1.034)	581529	14.7083	1449
	63 Di-n-butylphthalate	149	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64	Fluoranthene	202	14.571	14.522	(1.154)	11098838	230.101 E	22670
65	Pyrene	202	14.897	14.848	(0.884)	11060984	88.1387 E	8684
$ 66	Terphenyl-d14	244	15.282	15.264	(0.907)	108748	1.37836	135.8
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	16.826	16.782	(0.999)	11222848	99.7560 E	9829
* 69	Chrysene-d12	240	16.847	16.798	(1.000)	1489837	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	16.895	16.840	(1.003)	10642707	95.1960 E	9379
72	bis(2-Ethylhexyl)phthalate	149	17.269	17.257	(0.949)	20004	0.52968 LDL	52.19 (M)
* 134	Di-n-octylphthalate-d4	153	18.204	18.181	(1.000)	1495751	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	18.476	18.384	(0.975)	15977522	158.402 E	15610 (M)
75	Benzo(k)fluoranthene	252	18.487	18.416	(0.975)	7114401	68.2092 E	6720 (M)
76	Benzo(a)pyrene	252	18.898	18.801	(0.997)	13202010	135.987 E	13400
* 77	Perylene-d12	264	18.952	18.881	(1.000)	1536380	20.0000	(M)
78	Indeno(1,2,3-cd)pyrene	276	20.298	20.200	(1.071)	11764568	99.6094 E	9814
79	Dibenzo(a,h)anthracene	278	20.319	20.249	(1.072)	5273465	45.4546	4479
80	Benzo(g,h,i)perylene	276	20.586	20.484	(1.086)	10317422	83.4248 E	8220
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	8.844	8.848	(1.172)	26821	1.22632	120.8
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

LRL (B) not reported BB 8/12/06

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33mdl.d
Lab Smp Id: JQ33M
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060803.b/SW846.m
Misc Info: 06-12935

Calibration Date: 03-AUG-2006
Calibration Time: 07:18
Client Smp ID: T4-S3-01-D
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	174091	87046	348182	186060	6.88
27 Naphthalene-d8	604851	302426	1209702	636326	5.20
42 Acenaphthene-d10	360439	180220	720878	387957	7.63
59 Phenanthrene-d10	578581	289290	1157162	734904	27.02
69 Chrysene-d12	569907	284954	1139814	1489837	161.42 <-
134 Di-n-octylphthala	833015	416508	1666030	1495751	79.56
77 Perylene-d12	596448	298224	1192896	1536380	157.59 <-

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.49	4.99	5.99	5.50	0.12
27 Naphthalene-d8	7.54	7.04	8.04	7.55	0.02
42 Acenaphthene-d10	10.33	9.83	10.83	10.33	0.01
59 Phenanthrene-d10	12.62	12.12	13.12	12.63	0.05
69 Chrysene-d12	16.80	16.30	17.30	16.85	0.29
134 Di-n-octylphthala	18.18	17.68	18.68	18.20	0.12
77 Perylene-d12	18.88	18.38	19.38	18.95	0.37

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

Analytical Resources, Inc.

RECOVERY REPORT

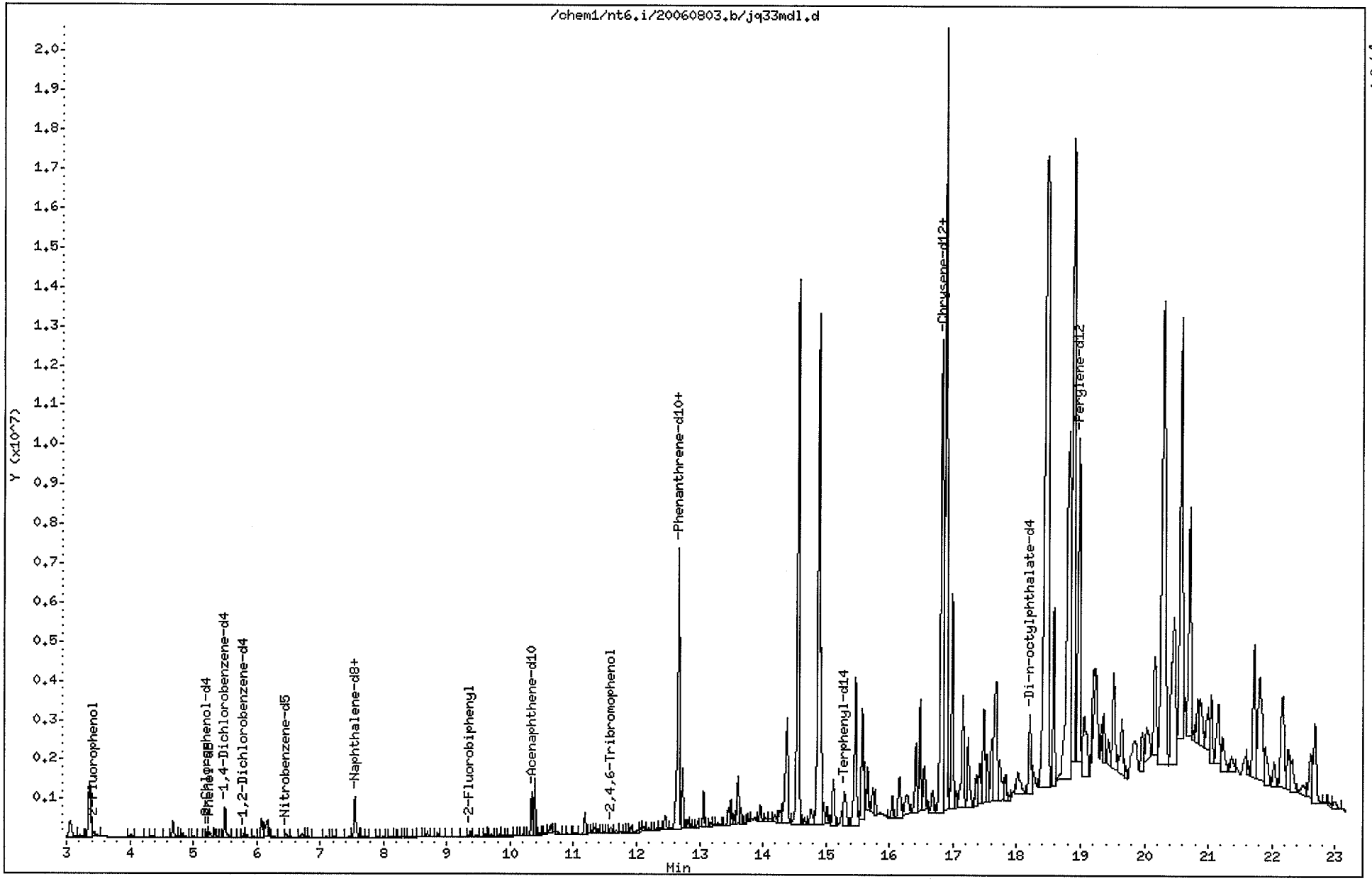
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33M
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060803.b/SW846.m
Misc Info: 06-12935

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-S3-01-D
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	739.0	327.2	44.28	22-91
$ 2 Phenol-d5	739.0	321.6	43.52	26-99
$ 5 2-Chlorophenol-d4	739.0	321.7	43.54	29-96
$ 10 1,2-Dichlorobenzen	492.6	207.1	42.05	24-87
$ 18 Nitrobenzene-d5	492.6	210.3	42.69	27-101
$ 36 2-Fluorobiphenyl	492.6	240.0	48.72	30-100
$ 55 2,4,6-Tribromophen	739.0	465.3	62.97	20-114
$ 66 Terphenyl-d14	492.6	135.8	27.57	12-120

Data File: /chem1/nt6.i/20060803.b/jq33md1.d
Date : 03-AUG-2006 09:52
Client ID: T4-S3-01-D
Sample Info: JQ33M,5
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



1041

Data File: /chem1/nt6.i/20060803.b/jq33mdl.d

Date : 03-AUG-2006 09:52

Client ID: T4-S3-01-D

Instrument: nt6.i

Sample Info: JQ33M,5

Volume Injected (uL): 1.0

Operator: LJR

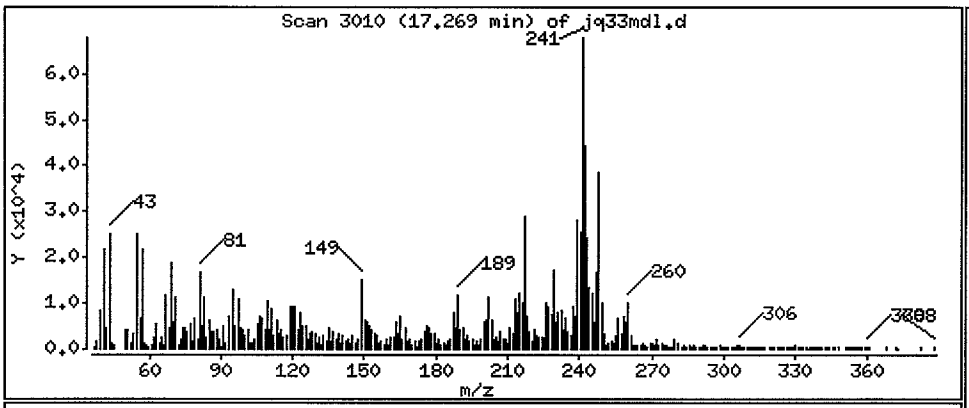
Column phase: ZB-5

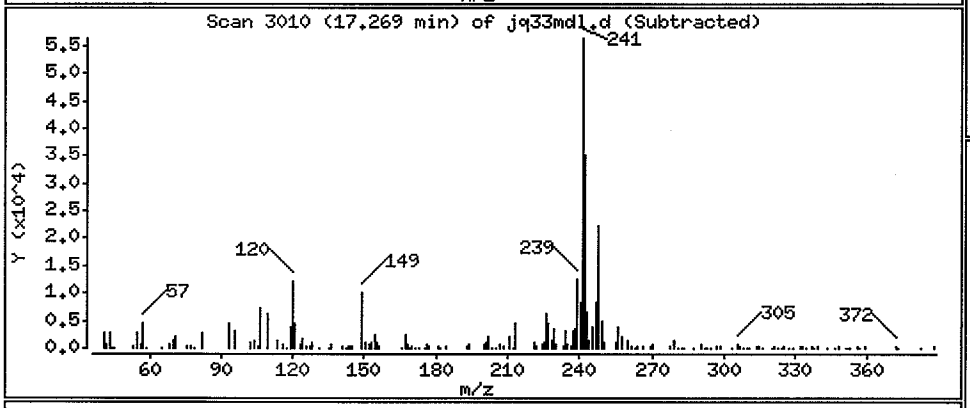
Column diameter: 0.32

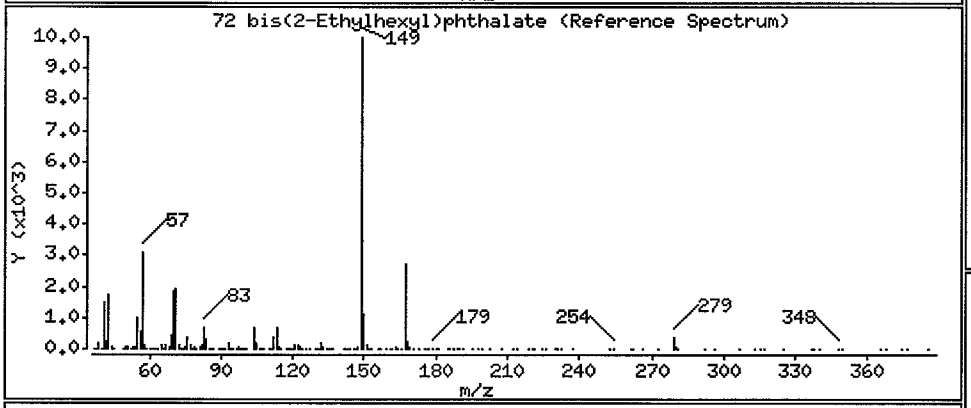
72 bis(2-Ethylhexyl)phthalate

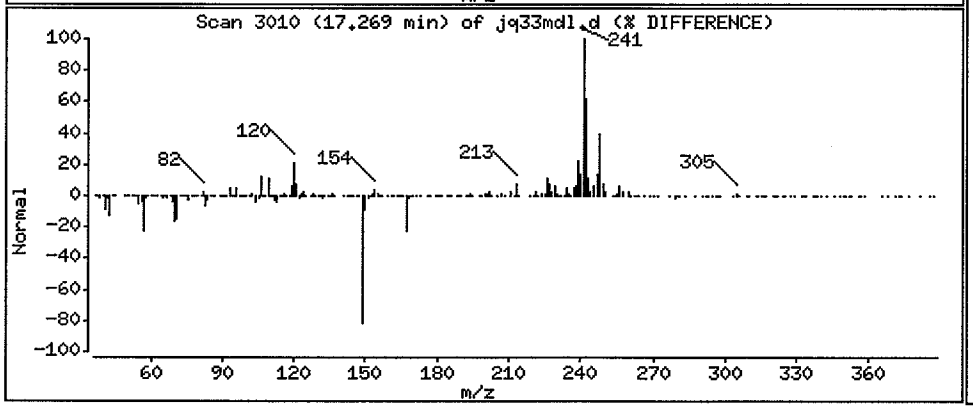
Concentration: 52.19 ug/kg

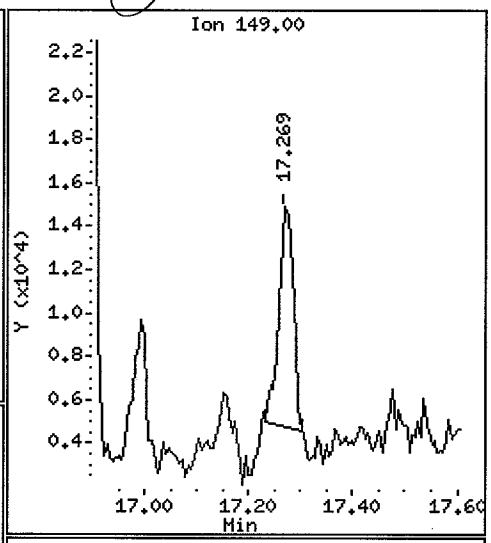
J (B) CPL NOT Reported BB 6/10/06

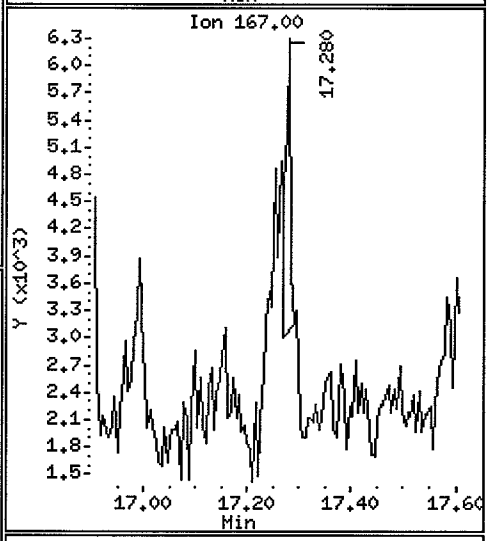


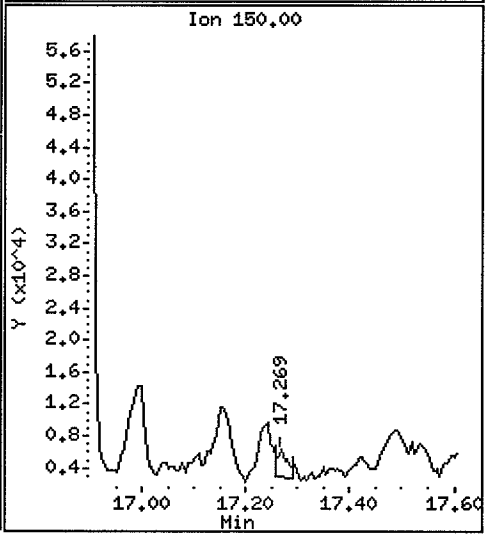




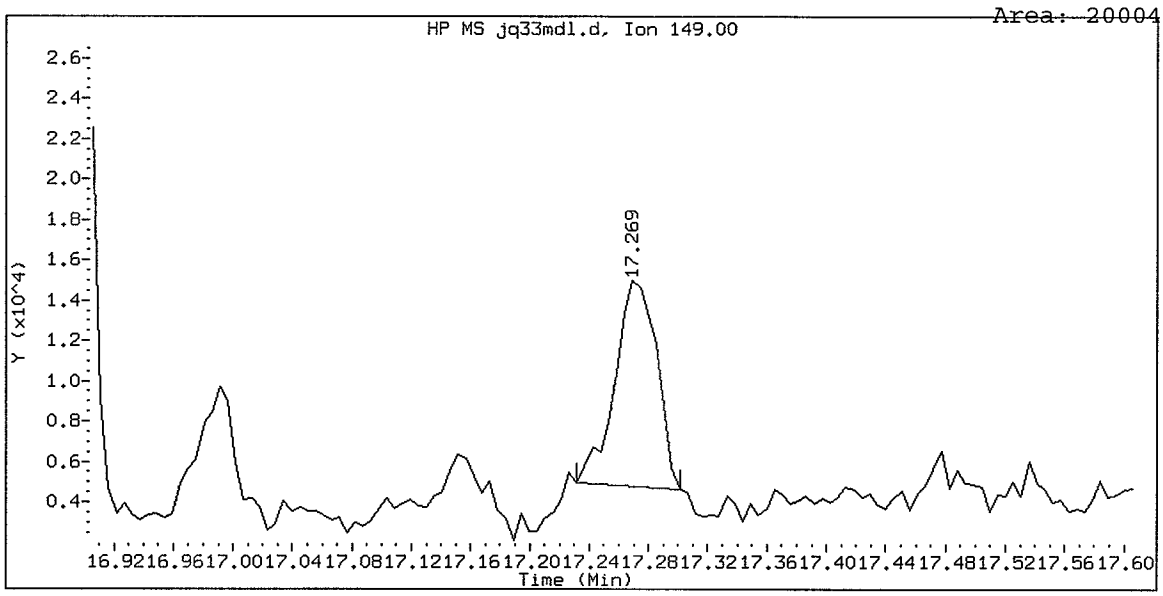


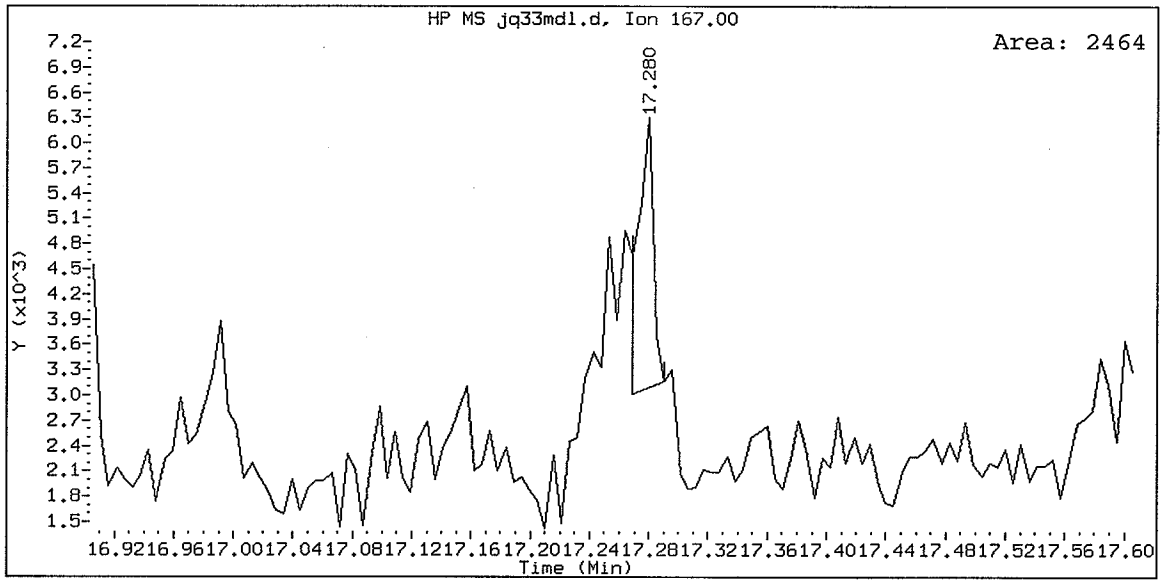


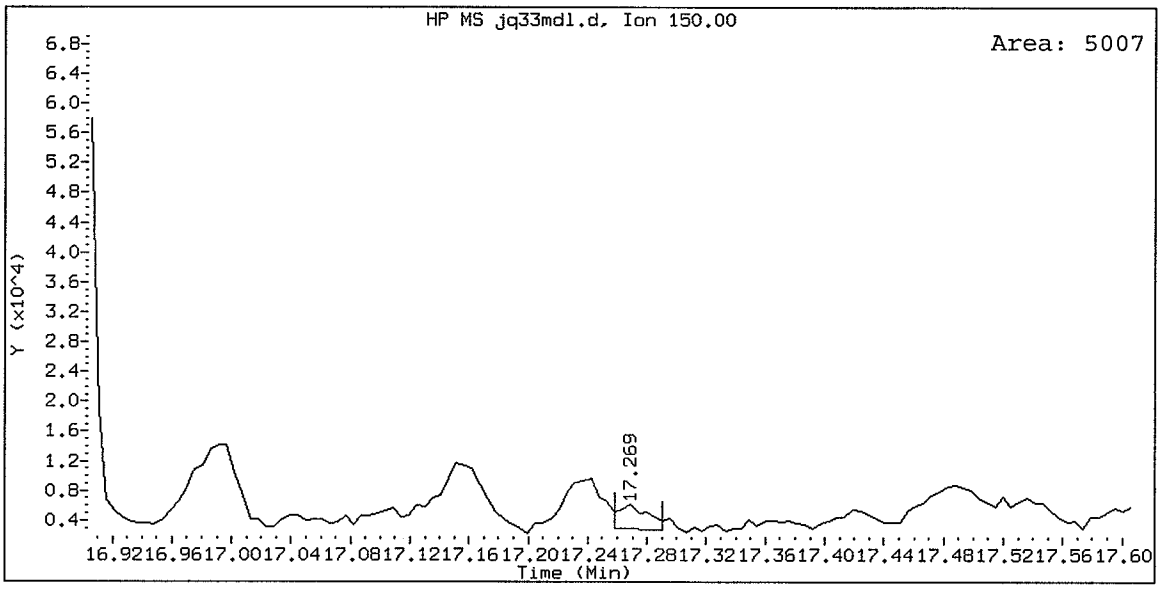




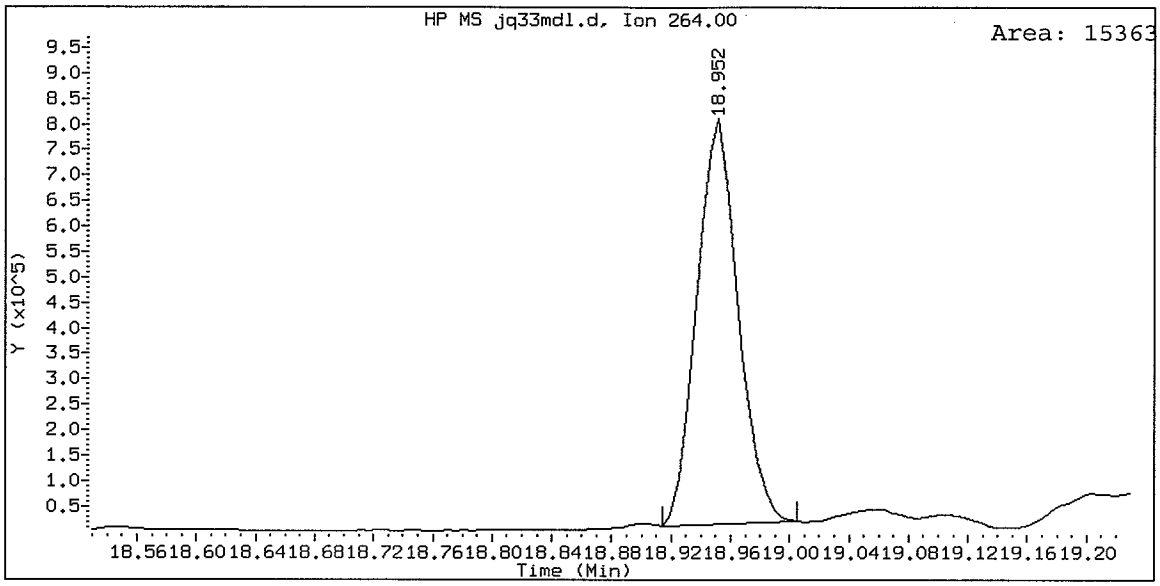
JQ33M, /chem1/nt6.i/20060803.b/jq33mdl.d
bis(2-Ethylhexyl)phthalate Amount: 0.53

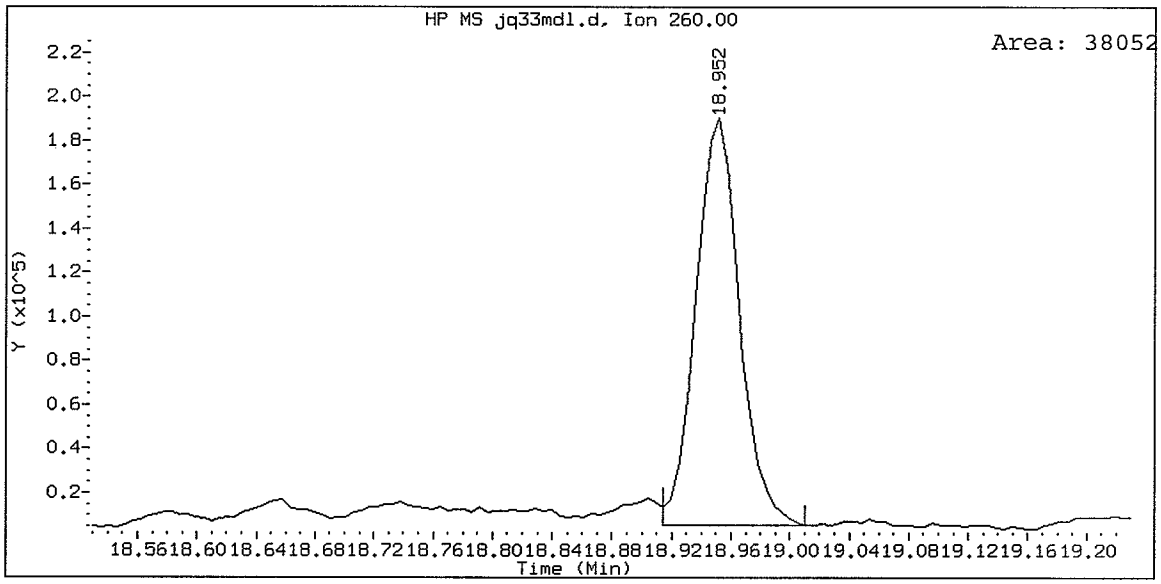


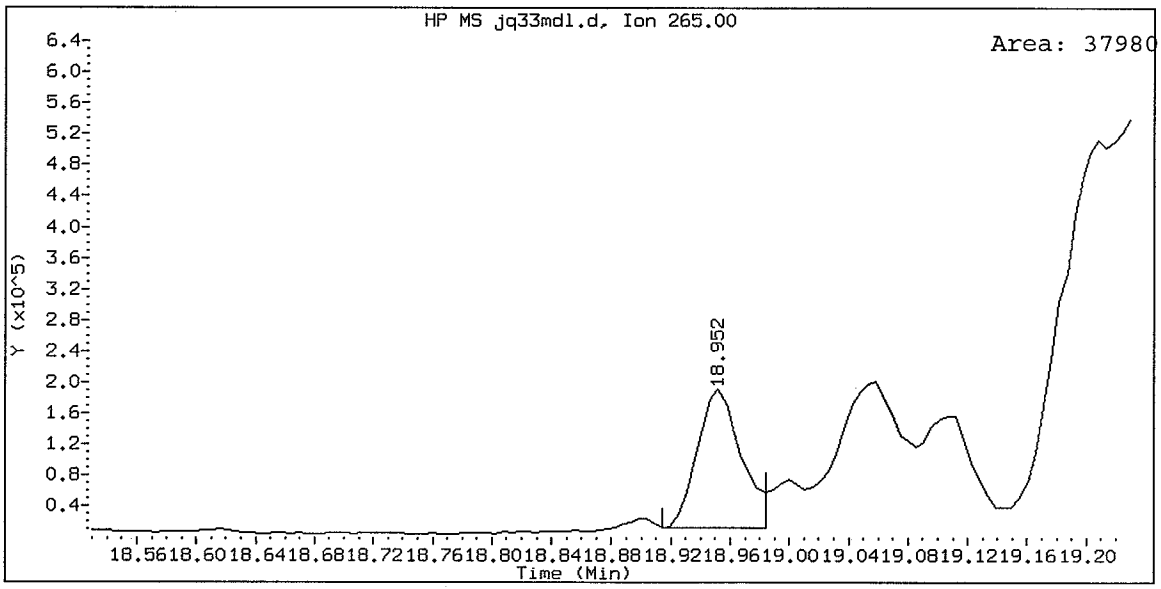




JQ33M, /chem1/nt6.i/20060803.b/jq33mdl.d
Perylene-d12 Amount: 20.00







ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	37.6%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060808.b/jq33mdl2.d
Lab Smp Id: JQ33M Client Smp ID: T4-S3-01-D
Inj Date : 08-AUG-2006 22:55
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33M,20
Misc Info : 06-12935
Comment : 1ul Injection
Method : /chem1/nt6.i/20060808.b/SW846.m
Meth Date : 09-Aug-2006 13:41 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 19
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/10/06

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

Name	Value	Description
DF	20.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	99.70000	Weight of sample extracted (g)
M	49.10000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	2.969	2.956	(0.574)	15372	0.75118	296.0
$	2 Phenol-d5	99	4.962	4.965	(0.959)	21575	0.87012	342.9(M)
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	4.892	4.896	(0.945)	15777	0.75040	295.7
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	5.175	5.179	(1.000)	277326	20.0000	(M)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.485	5.478	(1.060)	6941	0.51214	201.8(M)
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.153	6.167	(0.850)	15941	0.64074	252.5(M)
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.243	7.246	(1.000)	919016	20.0000	
	28 Naphthalene	128	7.269	7.278	(1.004)	57298	1.02558	404.2
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.391	8.389	(1.159)	16254	0.53791 LDL	212.0
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.064	9.068	(0.905)	23314	0.58379	230.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.021	10.024	(1.000)	534851	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.069	10.072	(1.005)	170615	4.96768	1958
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.330	10.329	(1.031)	45715	0.96743 LDL	381.3
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	10.859	10.863	(1.084)	82109	2.14202	844.2
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.281	11.290	(1.126)	4117	0.80050 LDL	315.5
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.291	12.294	(1.000)	848832	20.0000	
	60 Phenanthrene	178	12.323	12.327	(1.003)	1145675	20.2747	7990
	61 Anthracene	178	12.392	12.396	(1.008)	240484	4.23919	1671
	62 Carbazole	167	12.729	12.733	(1.036)	159744	3.49805	1379
	63 Di-n-butylphthalate	149	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	64 Fluoranthene	202	14.187	14.180	(1.154)	3214227	57.6934	22740
	65 Pyrene	202	14.508	14.501	(0.882)	3037016	30.7372	12110
$	66 Terphenyl-d14	244	14.930	14.934	(0.907)	29396	0.47323	186.5
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	16.431	16.424	(0.999)	2575562	29.0772	11460
*	69 Chrysene-d12	240	16.452	16.445	(1.000)	1172991	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	16.490	16.483	(1.002)	2874850	32.6607	12870
	72 bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
*	134 Di-n-octylphthalate-d4	153	17.852	17.850	(1.000)	1522508	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	18.050	18.021	(0.974)	3639035	46.4126	18290(M)
	75 Benzo(k)fluoranthene	252	18.050	18.048	(0.974)	2673765	32.9781	13000(M)
	76 Benzo(a)pyrene	252	18.450	18.427	(0.996)	3338941	44.2449	17440
*	77 Perylene-d12	264	18.531	18.507	(1.000)	1194264	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	19.845	19.827	(1.071)	2227706	24.2650	9563
	79 Dibenzo(a,h)anthracene	278	19.882	19.875	(1.073)	812767	9.01253	3552
	80 Benzo(g,h,i)perylene	276	20.117	20.099	(1.086)	1883134	19.5886	7720
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33mdl2.d
Lab Smp Id: JQ33M
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060808.b/SW846.m
Misc Info: 06-12935

Calibration Date: 08-AUG-2006
Calibration Time: 13:13
Client Smp ID: T4-S3-01-D
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	284616	142308	569232	277326	-2.56
27 Naphthalene-d8	977404	488702	1954808	919016	-5.97
42 Acenaphthene-d10	544393	272196	1088786	534851	-1.75
59 Phenanthrene-d10	824403	412202	1648806	848832	2.96
69 Chrysene-d12	813838	406919	1627676	1172991	44.13
134 Di-n-octylphthala	1238353	619176	2476706	1522508	22.95
77 Perylene-d12	837816	418908	1675632	1194264	42.54

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.18	4.68	5.68	5.18	-0.07
27 Naphthalene-d8	7.25	6.75	7.75	7.24	-0.05
42 Acenaphthene-d10	10.02	9.52	10.52	10.02	-0.04
59 Phenanthrene-d10	12.29	11.79	12.79	12.29	-0.03
69 Chrysene-d12	16.45	15.95	16.95	16.45	0.04
134 Di-n-octylphthala	17.85	17.35	18.35	17.85	0.01
77 Perylene-d12	18.51	18.01	19.01	18.53	0.13

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

Analytical Resources, Inc.

RECOVERY REPORT

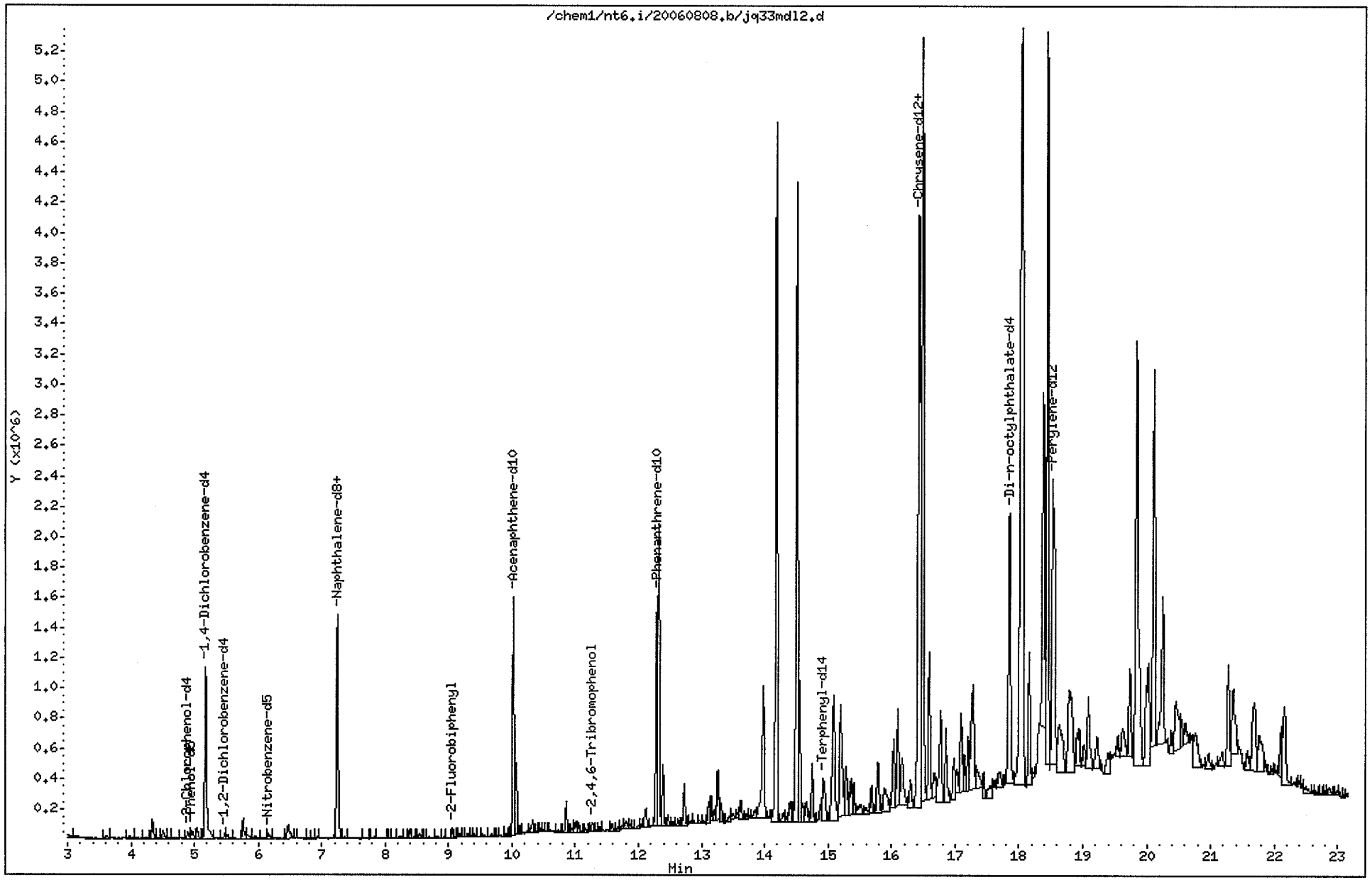
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33M
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060808.b/SW846.m
Misc Info: 06-12935

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-S3-01-D
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	739.0	296.0	40.06	22-91
$ 2 Phenol-d5	739.0	342.9	46.41	26-99
$ 5 2-Chlorophenol-d4	739.0	295.7	40.02	29-96
$ 10 1,2-Dichlorobenzen	492.6	201.8	40.97	24-87
$ 18 Nitrobenzene-d5	492.6	252.5	51.26	27-101
$ 36 2-Fluorobiphenyl	492.6	230.1	46.70	30-100
$ 55 2,4,6-Tribromophen	739.0	315.5	42.69	20-114
$ 66 Terphenyl-d14	492.6	186.5	37.86	12-120

Data File: /chem1/nt6.i/20060808.b/jq33md12.d
Date : 08-AUG-2006 22:55
Client ID: T4-S3-01-D
Sample Info: JQ33M,20
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	30.0%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060803.b/jq33ndl.d
Lab Smp Id: JQ33N Client Smp ID: T4-S3-01-E
Inj Date : 03-AUG-2006 10:53
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33N,5
Misc Info : 06-12936
Comment : 1ul Injection
Method : /chem1/nt6.i/20060803.b/SW846.m
Meth Date : 04-Aug-2006 12:15 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 6
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/4/06

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

Name	Value	Description
DF	5.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	98.50000	Weight of sample extracted (g)
M	48.80000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	3.438	3.405	(0.625)	56084	4.21548	417.9(M)
$	2 Phenol-d5	99	5.265	5.248	(0.957)	64327	3.99040	395.6(M)
	3 Phenol	94	5.286	5.269	(0.961)	12523	0.62343 LDL	61.81
$	5 2-Chlorophenol-d4	132	5.222	5.216	(0.949)	57613	4.21492	417.9(M)
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	5.500	5.494	(1.000)	180299	20.0000	(M)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.799	5.798	(1.054)	23779	2.69870	267.6(M)
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	6.461	6.450	(1.175)	7782	0.57092 LDL	56.60
$	18 Nitrobenzene-d5	82	6.461	6.466	(0.856)	46703	2.77480	275.1
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	7.476	7.577	(0.991)	26575	3.55075	352.0(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.546	7.545	(1.000)	621736	20.0000	
	28 Naphthalene	128	7.573	7.577	(1.004)	272449	7.20829	714.7
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.689	8.688	(1.151)	78876	3.85842	382.5
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.362	9.367	(0.905)	80872	2.85072	282.6(M)
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.340	10.334	(1.000)	379941	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.388	10.382	(1.005)	1122537	46.0101	4562
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.644	10.643	(1.029)	258162	7.69073	762.5
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.184	11.178	(1.082)	486185	17.8547	1770
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.606	11.605	(1.122)	20509	5.61361	556.6
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.637	12.620	(1.000)	763968	20.0000	
	60 Phenanthrene	178	12.685	12.652	(1.004)	8295759	163.116 E	16170
	61 Anthracene	178	12.738	12.721	(1.008)	1690874	33.1172	3283
	62 Carbazole	167	13.070	13.058	(1.034)	1076674	26.1958	2597
	63 Di-n-butylphthalate	149	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64	Fluoranthene	202	14.592	14.522	(1.155)	17364887	346.312 E	34330
65	Pyrene	202	14.918	14.848	(0.884)	17894780	104.363 E	10350
$ 66	Terphenyl-d14	244	15.287	15.264	(0.905)	161164	1.49505	148.2
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	16.873	16.782	(0.999)	21671507	140.985 E	13980 (M)
* 69	Chrysene-d12	240	16.884	16.798	(1.000)	2035591	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	16.921	16.840	(1.002)	14511542	95.0011 E	9419 (M)
72	bis(2-Ethylhexyl)phthalate	149	17.285	17.257	(0.948)	83714	1.82661 B	181.1 (M)
* 134	Di-n-octylphthalate-d4	153	18.225	18.181	(1.000)	1815121	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	18.519	18.384	(0.975)	22258601	185.076 E	18350 (M)
75	Benzo(k)fluoranthene	252	18.524	18.416	(0.975)	11597330	93.2529 E	9245 (M)
76	Benzo(a)pyrene	252	18.957	18.801	(0.998)	16620044	143.578 E	14230 (M)
* 77	Perylene-d12	264	18.999	18.881	(1.000)	1831887	20.0000	(M)
78	Indeno(1,2,3-cd)pyrene	276	20.346	20.200	(1.071)	17331899	123.075 E	12200
79	Dibenzo(a,h)anthracene	278	20.367	20.249	(1.072)	8211093	59.3585	5885 (M)
80	Benzo(g,h,i)perylene	276	20.634	20.484	(1.086)	12918597	87.6071 E	8686 (M)
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	8.849	8.848	(1.173)	41228	1.92928	191.3
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33ndl.d
Lab Smp Id: JQ33N
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060803.b/SW846.m
Misc Info: 06-12936

Calibration Date: 03-AUG-2006
Calibration Time: 07:18
Client Smp ID: T4-S3-01-E
Level: LOW
Sample Type: Sediment

		AREA LIMIT				
	COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8	1,4-Dichlorobenze	174091	87046	348182	180299	3.57
27	Naphthalene-d8	604851	302426	1209702	621736	2.79
42	Acenaphthene-d10	360439	180220	720878	379941	5.41
59	Phenanthrene-d10	578581	289290	1157162	763968	32.04
69	Chrysene-d12	569907	284954	1139814	2035591	257.18 <-
134	Di-n-octylphthala	833015	416508	1666030	1815121	117.90 <-
77	Perylene-d12	596448	298224	1192896	1831887	207.13 <-

		RT LIMIT				
	COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8	1,4-Dichlorobenze	5.49	4.99	5.99	5.50	0.11
27	Naphthalene-d8	7.54	7.04	8.04	7.55	0.01
42	Acenaphthene-d10	10.33	9.83	10.83	10.34	0.06
59	Phenanthrene-d10	12.62	12.12	13.12	12.64	0.13
69	Chrysene-d12	16.80	16.30	17.30	16.88	0.51
134	Di-n-octylphthala	18.18	17.68	18.68	18.22	0.24
77	Perylene-d12	18.88	18.38	19.38	19.00	0.63

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

Analytical Resources, Inc.

RECOVERY REPORT

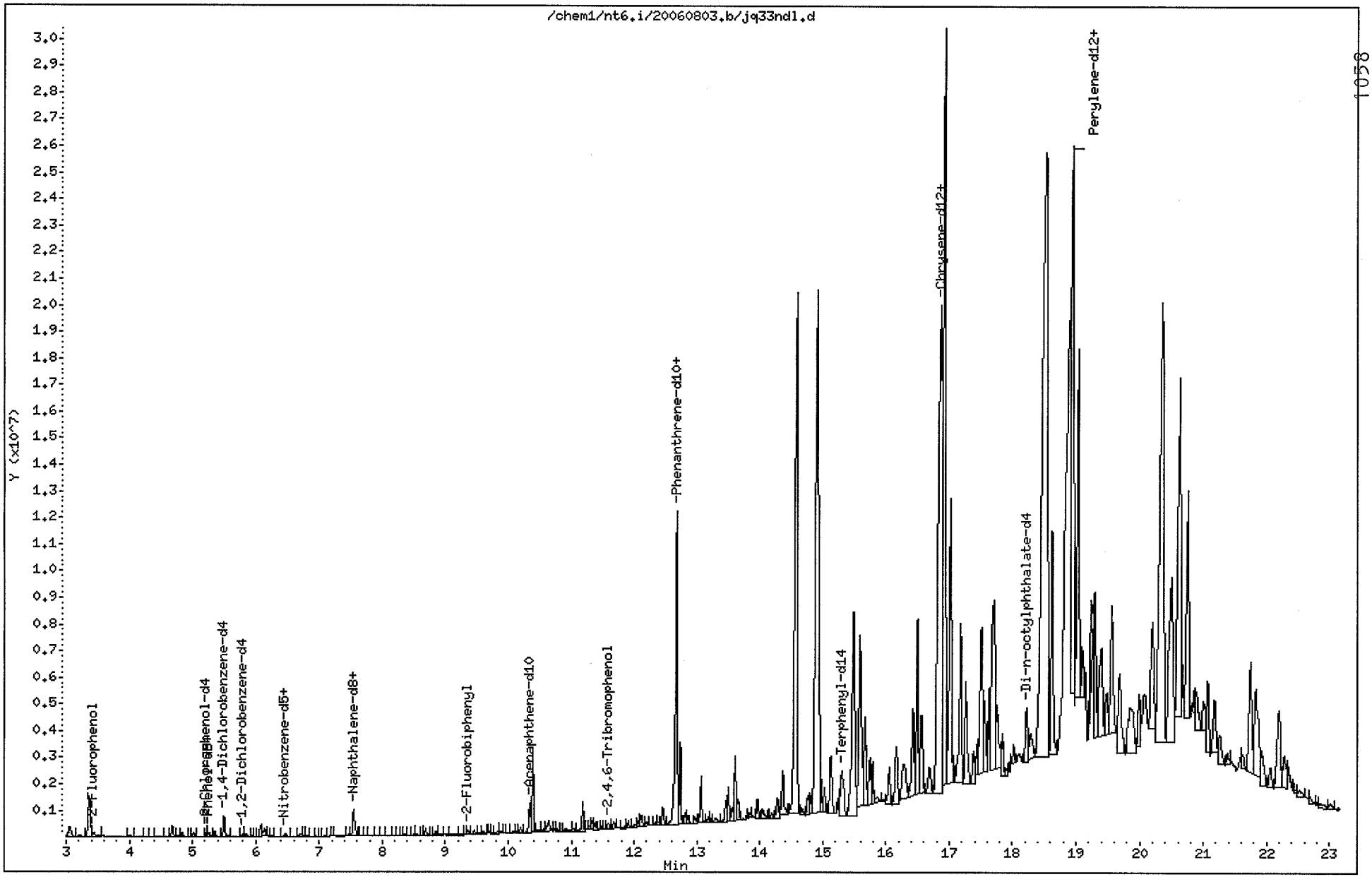
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33N
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060803.b/SW846.m
Misc Info: 06-12936

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-S3-01-E
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	743.6	417.9	56.21	22-91
$ 2 Phenol-d5	743.6	395.6	53.21	26-99
$ 5 2-Chlorophenol-d4	743.6	417.9	56.20	29-96
$ 10 1,2-Dichlorobenzen	495.7	267.6	53.97	24-87
$ 18 Nitrobenzene-d5	495.7	275.1	55.50	27-101
$ 36 2-Fluorobiphenyl	495.7	282.6	57.01	30-100
$ 55 2,4,6-Tribromophen	743.6	556.6	74.85	20-114
$ 66 Terphenyl-d14	495.7	148.2	29.90	12-120

Data File: /chem1/nt6.i/20060803.b/jq33ndl.d
Date : 03-AUG-2006 10:53
Client ID: T4-S3-01-E
Sample Info: JQ33N,5
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



Data File: /chem1/nt6.i/20060803.b/jq33ndl.d

Date : 03-AUG-2006 10:53

Client ID: T4-S3-01-E

Instrument: nt6.i

Sample Info: JQ33N,5

Volume Injected (uL): 1.0

Operator: LJR

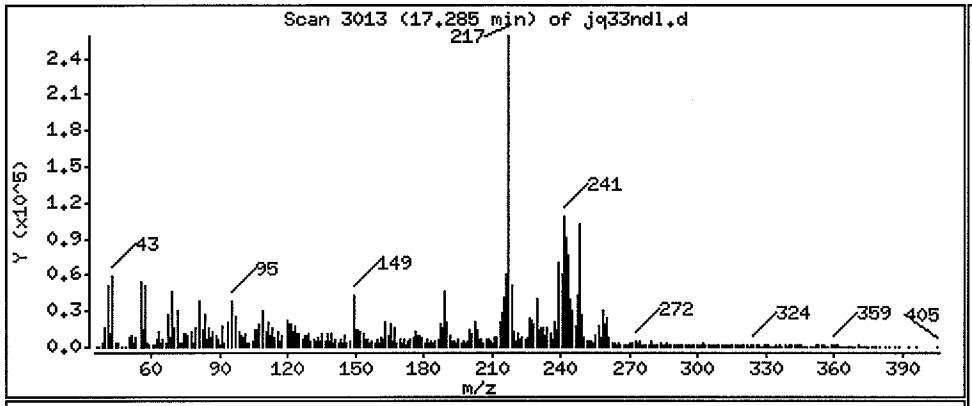
Column phase: ZB-5

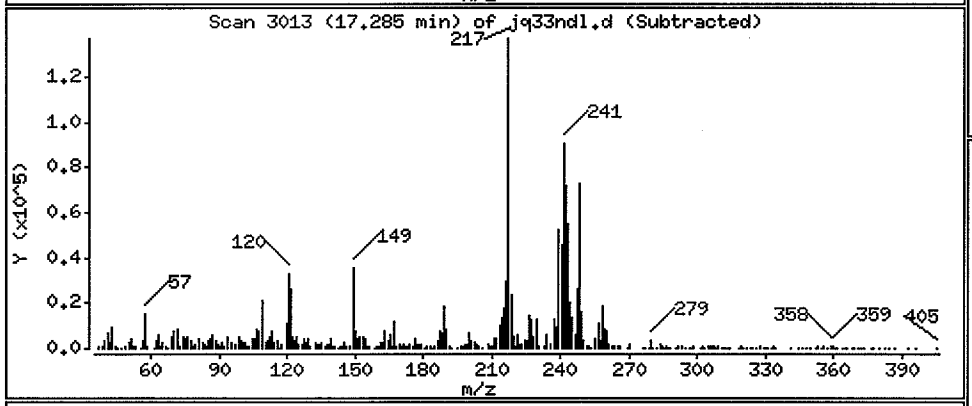
Column diameter: 0.32

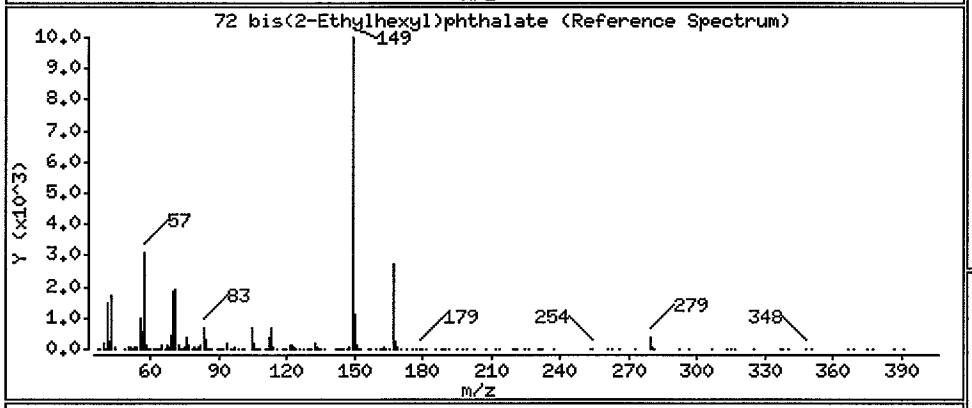
72 bis(2-Ethylhexyl)phthalate

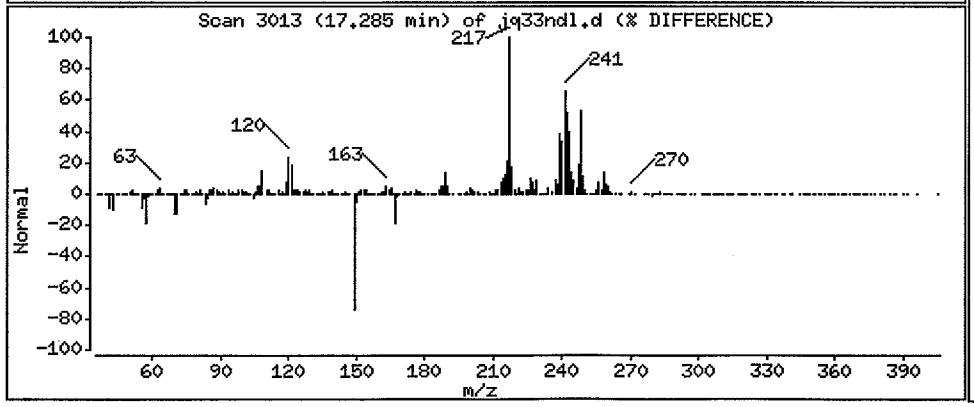
Concentration: 181.1 ug/kg

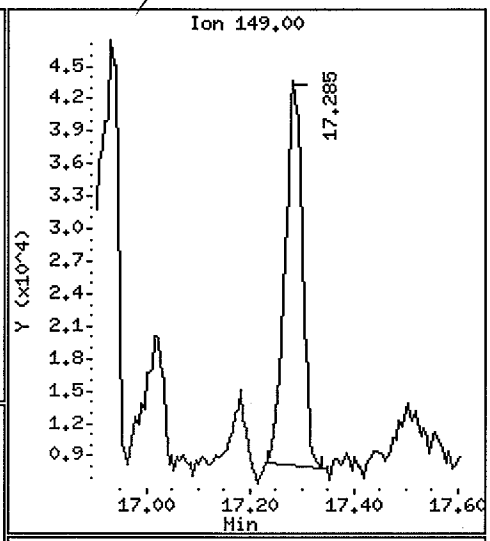
B

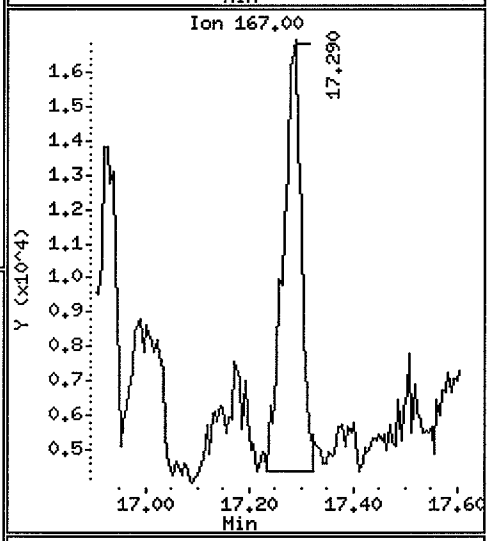


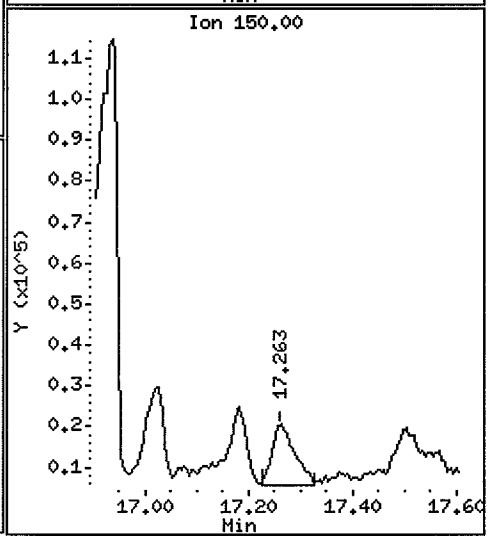




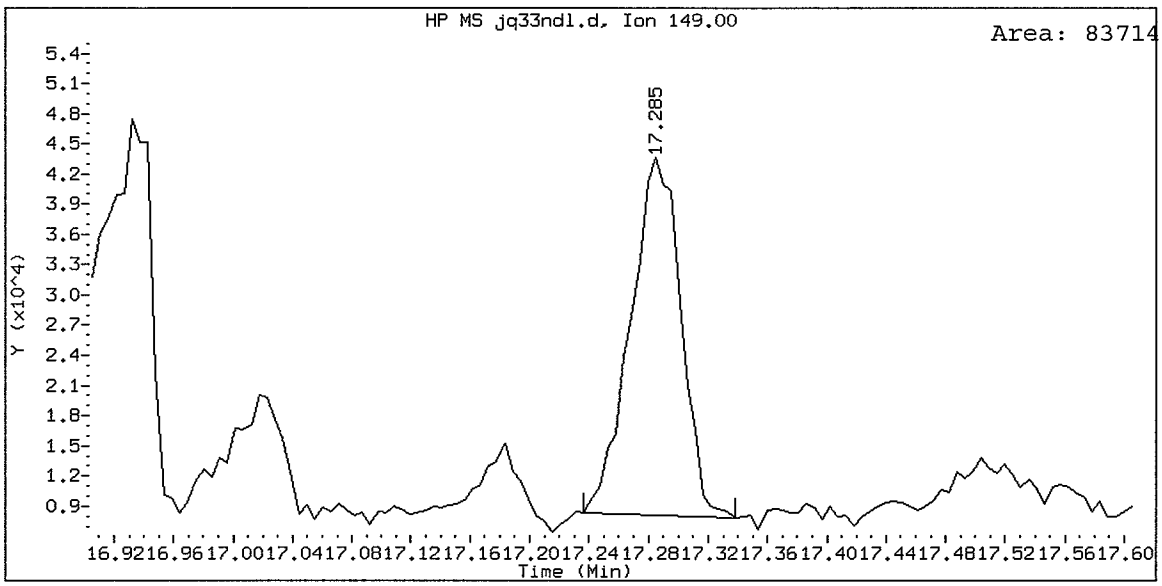


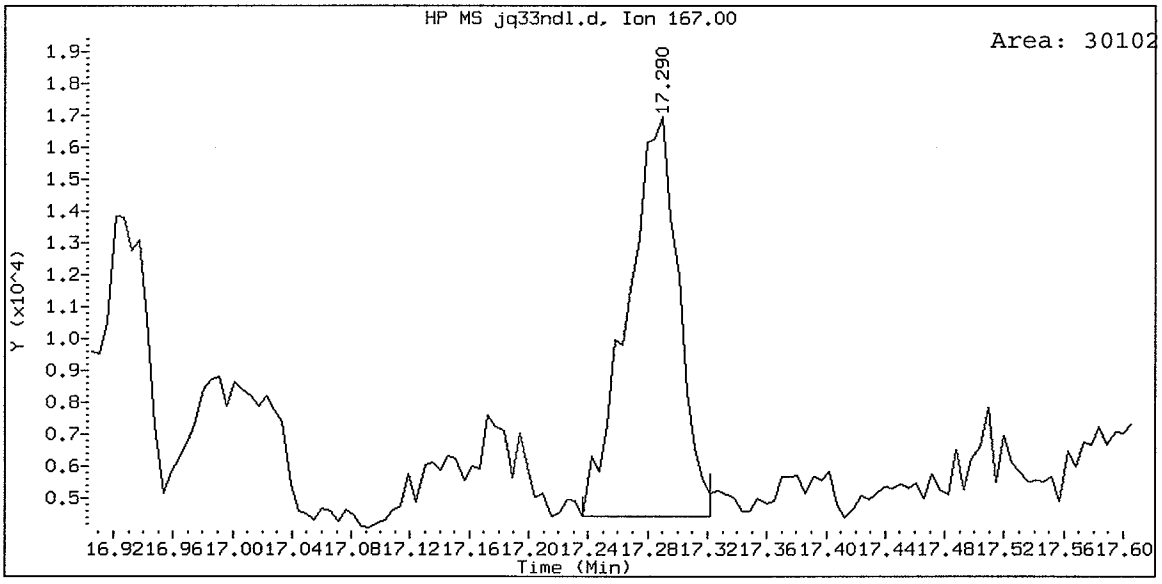


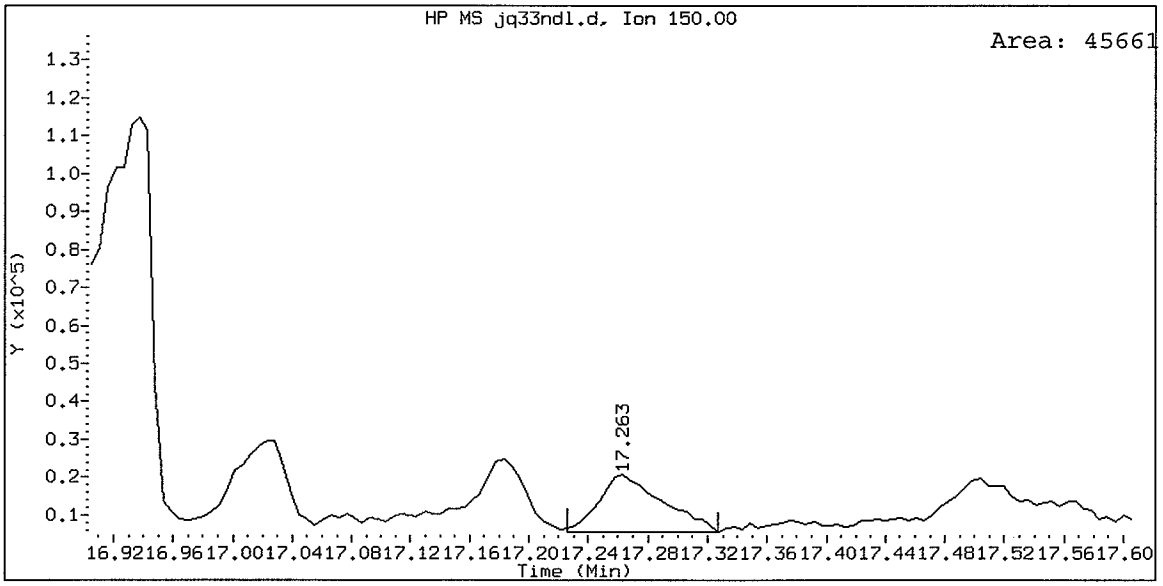




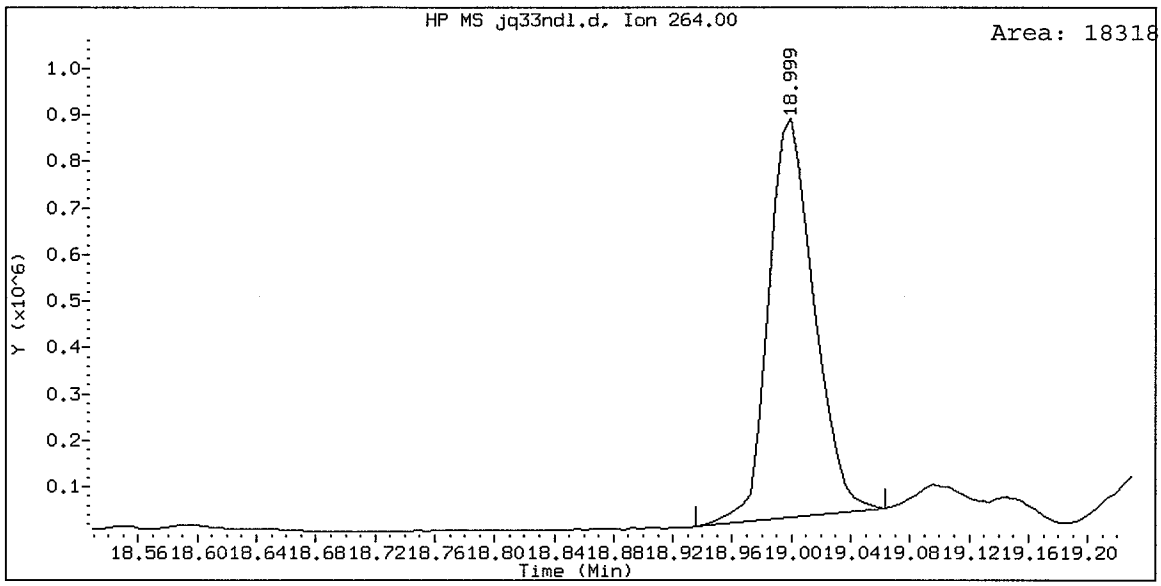
JQ33N, /chem1/nt6.i/20060803.b/jq33ndl.d
bis(2-Ethylhexyl)phthalate Amount: 1.83

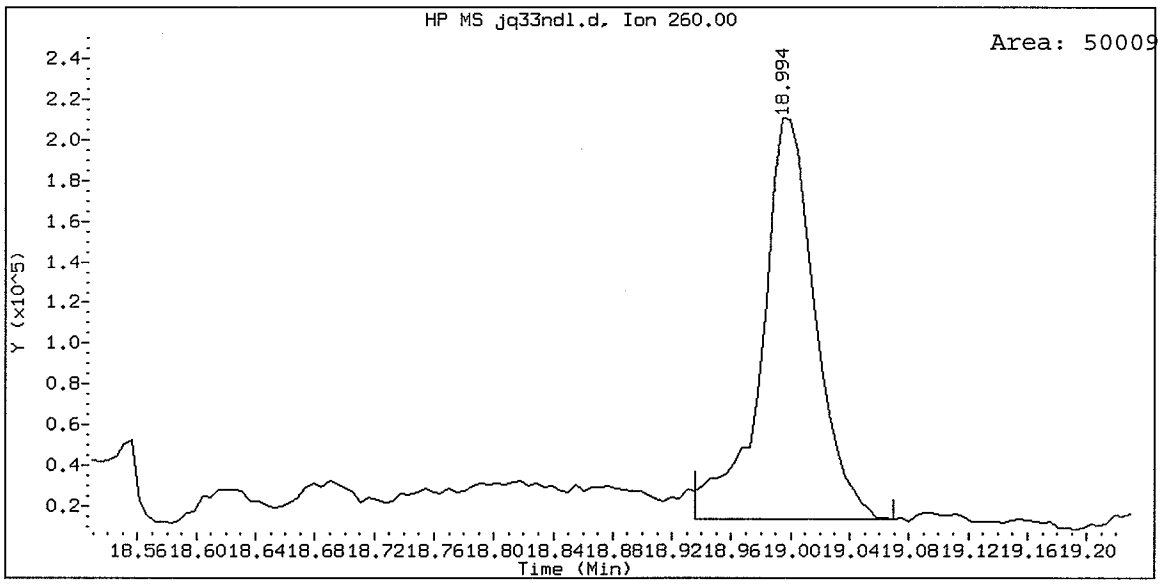


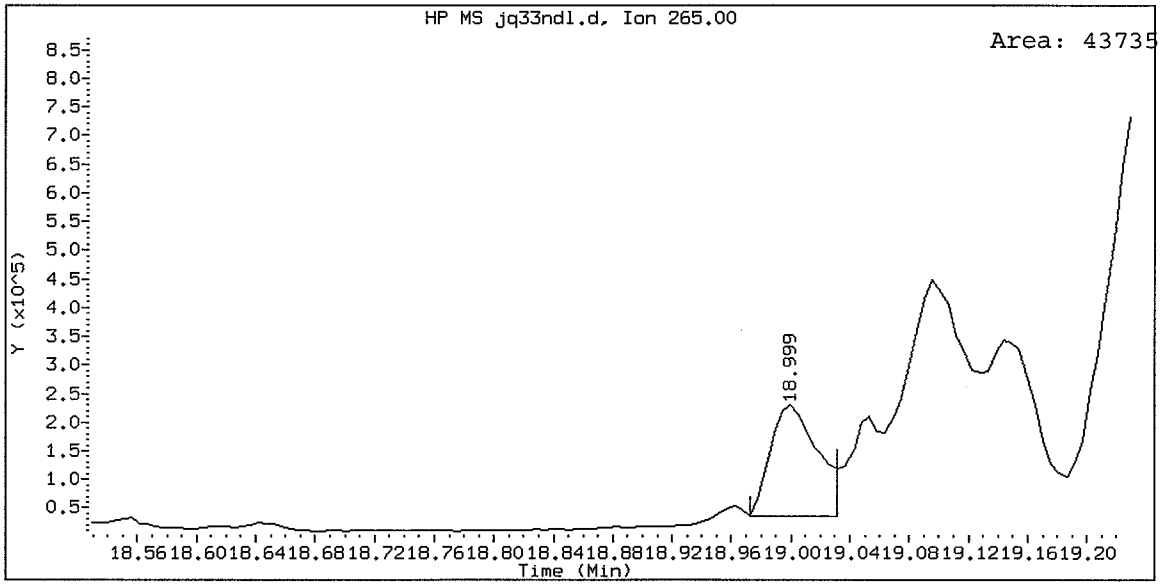




JQ33N, /chem1/nt6.i/20060803.b/jq33ndl.d
Perylene-d12 Amount: 20.00







ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	40.8%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060808.b/jq33ndl2.d
Lab Smp Id: JQ33N Client Smp ID: T4-S3-01-E
Inj Date : 08-AUG-2006 23:25
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33N,20
Misc Info : 06-12936
Comment : 1ul Injection
Method : /chem1/nt6.i/20060808.b/SW846.m
Meth Date : 09-Aug-2006 13:41 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 20
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/10/06

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

Name	Value	Description
DF	20.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	98.50000	Weight of sample extracted (g)
M	48.80000	% Moisture

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 2-Fluorophenol	112	2.964	2.956	(0.573)	19437	0.96221	381.6(M)
$ 2 Phenol-d5	99	4.961	4.965	(0.959)	27805	1.13680	450.5(M)
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	4.892	4.896	(0.945)	21403	1.03128	409.0(M)
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.175	5.179	(1.000)	273754	20.0000	(M)
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.474	5.478	(1.058)	8415	0.62900	249.4(M)
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.163	6.167	(0.851)	19056	0.78238	310.3
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.243	7.246	(1.000)	899719	20.0000	
	28 Naphthalene	128	7.269	7.278	(1.004)	96859	1.77087	702.3
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.386	8.389	(1.158)	26858	0.90790 LDL	360.0
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.059	9.068	(0.904)	29534	0.75392	299.0
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.020	10.024	(1.000)	524649	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.063	10.072	(1.004)	334302	9.92291	3935
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.325	10.329	(1.030)	82648	1.78302	707.1
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	10.859	10.863	(1.084)	151727	4.03516	1600
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.281	11.290	(1.126)	4980	0.98713	391.5
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.291	12.294	(1.000)	837085	20.0000	
	60 Phenanthrene	178	12.328	12.327	(1.003)	2149008	38.5641	15290
	61 Anthracene	178	12.392	12.396	(1.008)	429083	7.66990	3042
	62 Carbazole	167	12.729	12.733	(1.036)	280553	6.22972	2471
	63 Di-n-butylphthalate	149	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64	Fluoranthene	202	14.198	14.180	(1.155)	5652870	102.889E	40800
65	Pyrene	202	14.519	14.501	(0.882)	5449890	49.2927	19550
$ 66	Terphenyl-d14	244	14.930	14.934	(0.907)	35106	0.50506	200.3
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	16.442	16.424	(0.999)	4850986	48.9427	19410
* 69	Chrysene-d12	240	16.463	16.445	(1.000)	1312553	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	16.506	16.483	(1.003)	5429163	55.1215	21860
72	bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
* 134	Di-n-octylphthalate-d4	153	17.857	17.850	(1.000)	1544766	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	18.066	18.021	(0.974)	6685695	81.2495E	32220(M)
75	Benzo(k)fluoranthene	252	18.066	18.048	(0.974)	5269892	61.9340	24560(M)
76	Benzo(a)pyrene	252	18.477	18.427	(0.997)	6637516	83.8079E	33240
* 77	Perylene-d12	264	18.541	18.507	(1.000)	1253359	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	19.866	19.827	(1.071)	4282821	44.4506	17630
79	Dibenzo(a,h)anthracene	278	19.898	19.875	(1.073)	1637248	17.2990	6860
80	Benzo(g,h,i)perylene	276	20.144	20.099	(1.086)	3514910	34.8386	13820
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33ndl2.d
Lab Smp Id: JQ33N
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060808.b/SW846.m
Misc Info: 06-12936

Calibration Date: 08-AUG-2006
Calibration Time: 13:13
Client Smp ID: T4-S3-01-E
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	284616	142308	569232	273754	-3.82
27 Naphthalene-d8	977404	488702	1954808	899719	-7.95
42 Acenaphthene-d10	544393	272196	1088786	524649	-3.63
59 Phenanthrene-d10	824403	412202	1648806	837085	1.54
69 Chrysene-d12	813838	406919	1627676	1312553	61.28
134 Di-n-octylphthala	1238353	619176	2476706	1544766	24.74
77 Perylene-d12	837816	418908	1675632	1253359	49.60

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.18	4.68	5.68	5.18	-0.07
27 Naphthalene-d8	7.25	6.75	7.75	7.24	-0.05
42 Acenaphthene-d10	10.02	9.52	10.52	10.02	-0.04
59 Phenanthrene-d10	12.29	11.79	12.79	12.29	-0.03
69 Chrysene-d12	16.45	15.95	16.95	16.46	0.11
134 Di-n-octylphthala	17.85	17.35	18.35	17.86	0.04
77 Perylene-d12	18.51	18.01	19.01	18.54	0.18

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

Analytical Resources, Inc.

RECOVERY REPORT

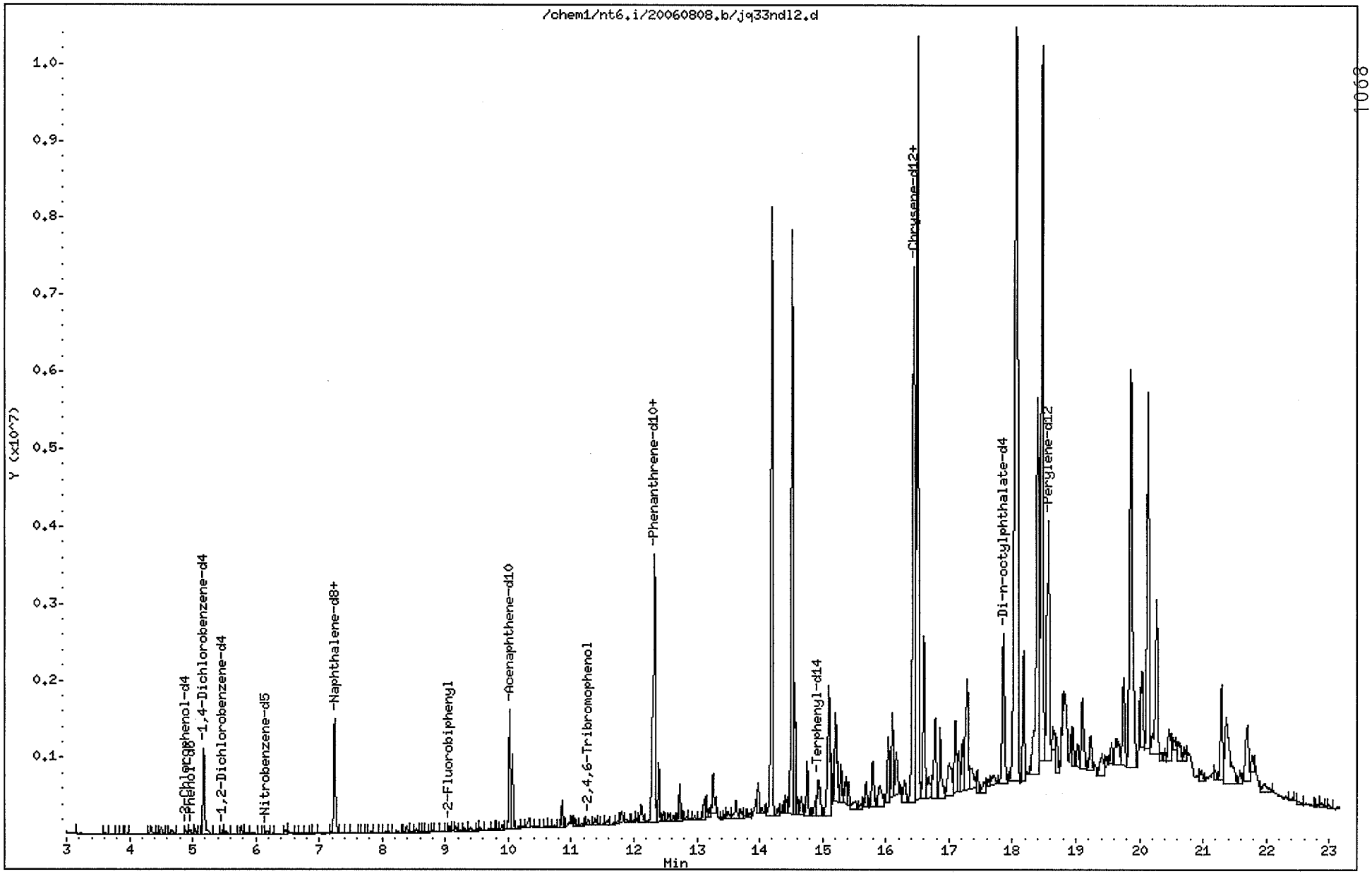
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33N
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060808.b/SW846.m
Misc Info: 06-12936

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-S3-01-E
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	743.6	381.6	51.32	22-91
$ 2 Phenol-d5	743.6	450.5	60.59	26-99
$ 5 2-Chlorophenol-d4	743.6	409.0	55.00	29-96
$ 10 1,2-Dichlorobenzen	495.7	249.4	50.32	24-87
$ 18 Nitrobenzene-d5	495.7	310.3	62.59	27-101
$ 36 2-Fluorobiphenyl	495.7	299.0	60.31	30-100
$ 55 2,4,6-Tribromophen	743.6	391.5	52.65	20-114
$ 66 Terphenyl-d14	495.7	200.3	40.40	12-120

Data File: /chem1/nt6.i/20060808.b/jq33nd12.d
Date : 08-AUG-2006 23:25
Client ID: T4-S3-01-E
Sample Info: JQ33N,20
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	33.6%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060803.b/jq33odl.d
Lab Smp Id: JQ33O Client Smp ID: T4-S3-01-F
Inj Date : 03-AUG-2006 11:23
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33O,5
Misc Info : 06-12937
Comment : 1ul Injection
Method : /chem1/nt6.i/20060803.b/SW846.m
Meth Date : 04-Aug-2006 12:15 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 7
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/4/06

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

Name	Value	Description
DF	5.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	33.10000	Weight of sample extracted (g)
M	49.80000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	3.437	3.405	(0.625)	64890	4.60718	1386 (M)
$	2 Phenol-d5	99	5.259	5.248	(0.956)	74692	4.37670	1317 (M)
	3 Phenol	94	5.280	5.269	(0.960)	11174	0.52546 LAL	158.1 (M)
$	5 2-Chlorophenol-d4	132	5.221	5.216	(0.949)	64250	4.44008	1336 (M)
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	5.499	5.494	(1.000)	190873	20.0000	(M)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.793	5.798	(1.053)	24664	2.64407	795.6
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.461	6.466	(0.856)	49927	2.83656	853.6
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	7.465	7.577	(0.989)	9839	1.25709 LDL	378.3 (MH)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.545	7.545	(1.000)	650184	20.0000	
	28 Naphthalene	128	7.577	7.577	(1.004)	233772	5.91438	1780
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.694	8.688	(1.152)	79712	3.72871	1122
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.367	9.367	(0.906)	92194	3.15472	949.3
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.339	10.334	(1.000)	391393	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.387	10.382	(1.005)	817203	32.5152	9784
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.643	10.643	(1.029)	212144	6.13493	1846
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.183	11.178	(1.082)	402108	14.3350	4314
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.600	11.605	(1.122)	21719	5.77086	1737
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.631	12.620	(1.000)	725631	20.0000	
	60 Phenanthrene	178	12.679	12.652	(1.004)	6459891	133.728 E	40240
	61 Anthracene	178	12.732	12.721	(1.008)	1132990	23.3630	7030
	62 Carbazole	167	13.063	13.058	(1.034)	842863	21.5906	6497
	63 Di-n-butylphthalate	149	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64	Fluoranthene	202	14.581	14.522	(1.154)	14050920	295.026 E	88780
65	Pyrene	202	14.906	14.848	(0.884)	14013111	96.6729 E	29090 (M)
$ 66	Terphenyl-d14	244	15.286	15.264	(0.907)	153289	1.68209	506.2
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	16.851	16.782	(0.999)	15295780	117.708 E	35420
* 69	Chrysene-d12	240	16.862	16.798	(1.000)	1720845	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	16.915	16.840	(1.003)	13691639	106.028 E	31900 (M)
72	bis(2-Ethylhexyl)phthalate	149	17.284	17.257	(0.949)	29748	0.75905 LOL	228.4 (M)
* 134	Di-n-octylphthalate-d4	153	18.213	18.181	(1.000)	1552168	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	18.486	18.384	(0.974)	14937482	144.641 E	43520 (M)
75	Benzo(k)fluoranthene	252	18.507	18.416	(0.976)	13394480	125.428 E	37740 (M)
76	Benzo(a)pyrene	252	18.929	18.801	(0.998)	16132294	162.299 E	48840 (M)
* 77	Perylene-d12	264	18.972	18.881	(1.000)	1573022	20.0000	(M)
78	Indeno(1,2,3-cd)pyrene	276	20.318	20.200	(1.071)	13771821	113.888 E	34270
79	Dibenzo(a,h)anthracene	278	20.339	20.249	(1.072)	6701272	56.4161	16980
80	Benzo(g,h,i)perylene	276	20.606	20.484	(1.086)	10541222	83.2489 E	25050 (M)
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	8.848	8.848	(1.173)	43193	1.93280	581.6
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

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

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33odl.d
Lab Smp Id: JQ33O
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060803.b/SW846.m
Misc Info: 06-12937

Calibration Date: 03-AUG-2006
Calibration Time: 07:18
Client Smp ID: T4-S3-01-F
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF	
8 1,4-Dichlorobenze	174091	87046	348182	190873	9.64	
27 Naphthalene-d8	604851	302426	1209702	650184	7.49	
42 Acenaphthene-d10	360439	180220	720878	391393	8.59	
59 Phenanthrene-d10	578581	289290	1157162	725631	25.42	
69 Chrysene-d12	569907	284954	1139814	1720845	201.95	<-
134 Di-n-octylphthala	833015	416508	1666030	1552168	86.33	
77 Perylene-d12	596448	298224	1192896	1573022	163.73	<-

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.49	4.99	5.99	5.50	0.10
27 Naphthalene-d8	7.54	7.04	8.04	7.54	0.00
42 Acenaphthene-d10	10.33	9.83	10.83	10.34	0.05
59 Phenanthrene-d10	12.62	12.12	13.12	12.63	0.08
69 Chrysene-d12	16.80	16.30	17.30	16.86	0.38
134 Di-n-octylphthala	18.18	17.68	18.68	18.21	0.18
77 Perylene-d12	18.88	18.38	19.38	18.97	0.48

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

Analytical Resources, Inc.

RECOVERY REPORT

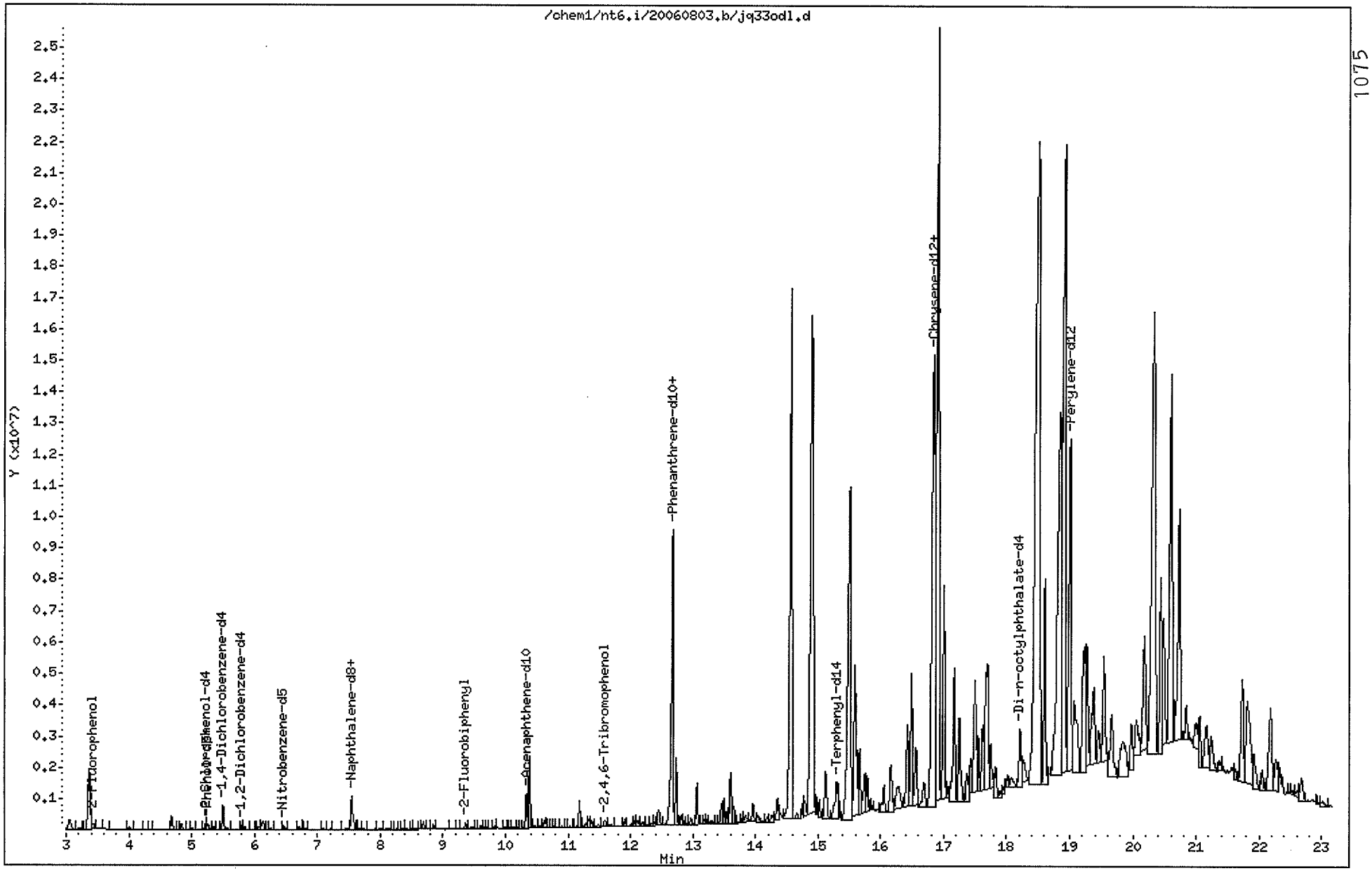
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33O
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060803.b/SW846.m
Misc Info: 06-12937

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-S3-01-F
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	2257	1386	61.43	22-91
$ 2 Phenol-d5	2257	1317	58.36	26-99
$ 5 2-Chlorophenol-d4	2257	1336	59.20	29-96
$ 10 1,2-Dichlorobenzen	1505	795.6	52.88	24-87
$ 18 Nitrobenzene-d5	1505	853.6	56.73	27-101
$ 36 2-Fluorobiphenyl	1505	949.3	63.09	30-100
$ 55 2,4,6-Tribromophen	2257	1737	76.94	20-114
$ 66 Terphenyl-d14	1505	506.2	33.64	12-120

Data File: /chem1/nt6.i/20060803.b/jq33od1.d
Date : 03-AUG-2006 11:23
Client ID: T4-S3-01-F
Sample Info: JQ330,5
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



Data File: /chem1/nt6.i/20060803.b/jq33odl.d

Date : 03-AUG-2006 11:23

Client ID: T4-S3-01-F

Instrument: nt6.i

Sample Info: JQ330,5

Volume Injected (uL): 1.0

Operator: LJR

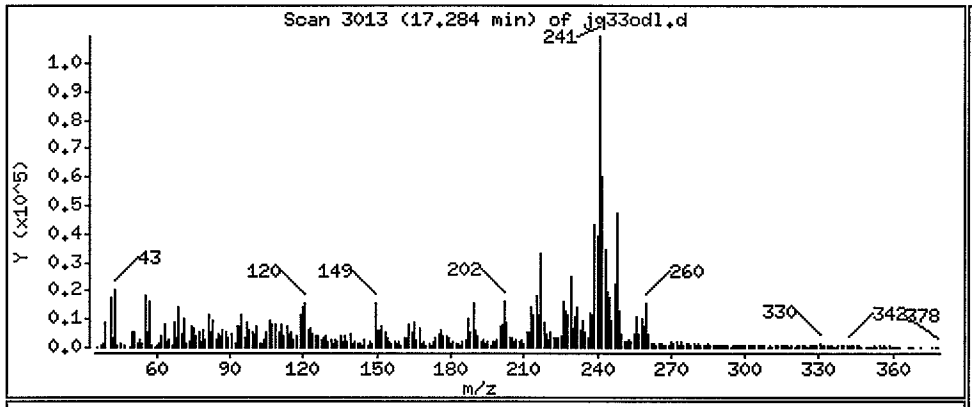
Column phase: ZB-5

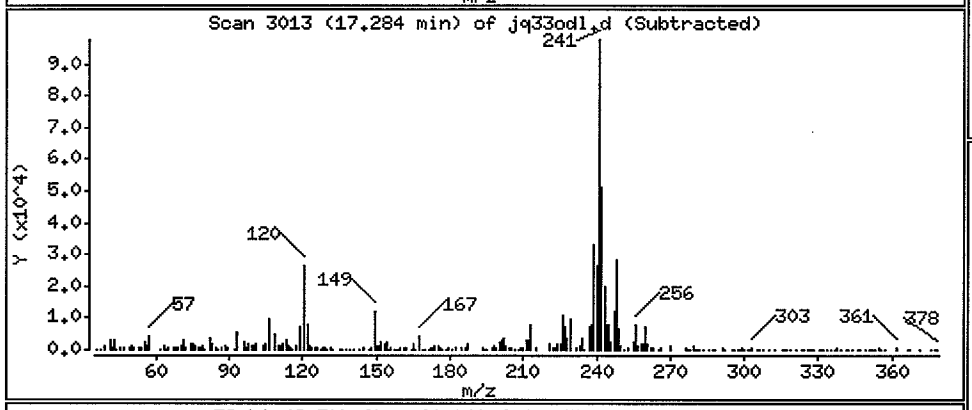
Column diameter: 0.32

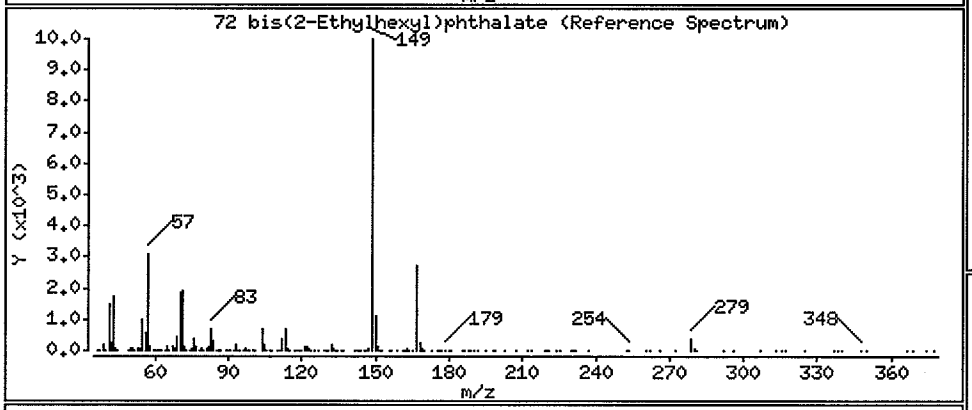
72 bis(2-Ethylhexyl)phthalate

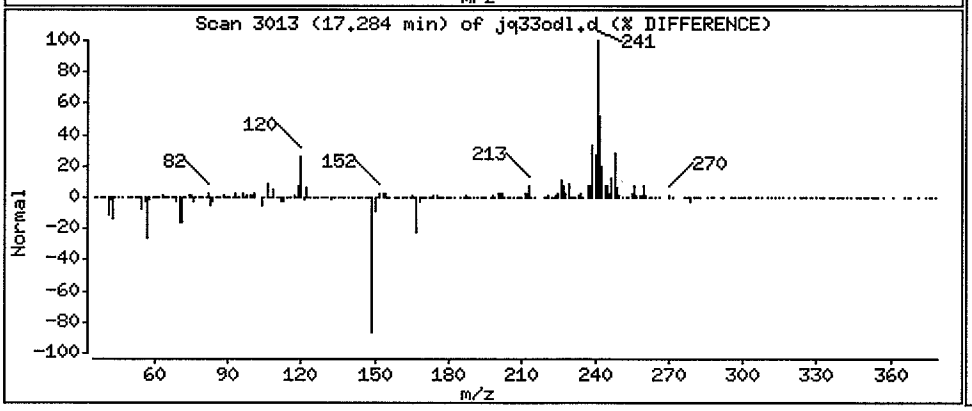
Concentration: 228.4 ug/kg

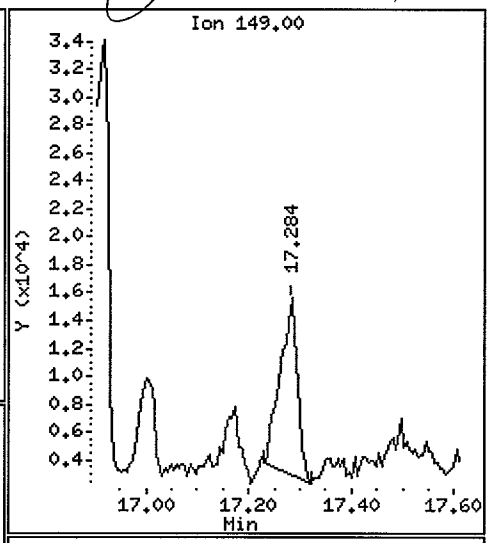
(B) J LRL AUS Reported 8/8 8/10/06

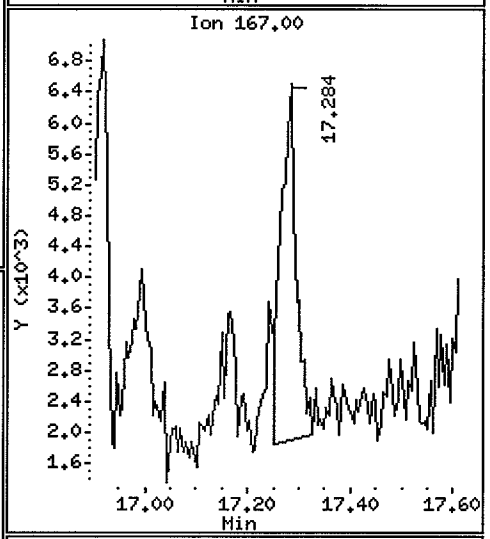


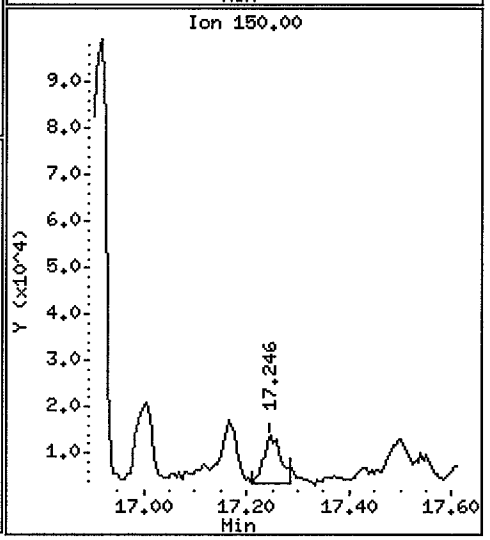




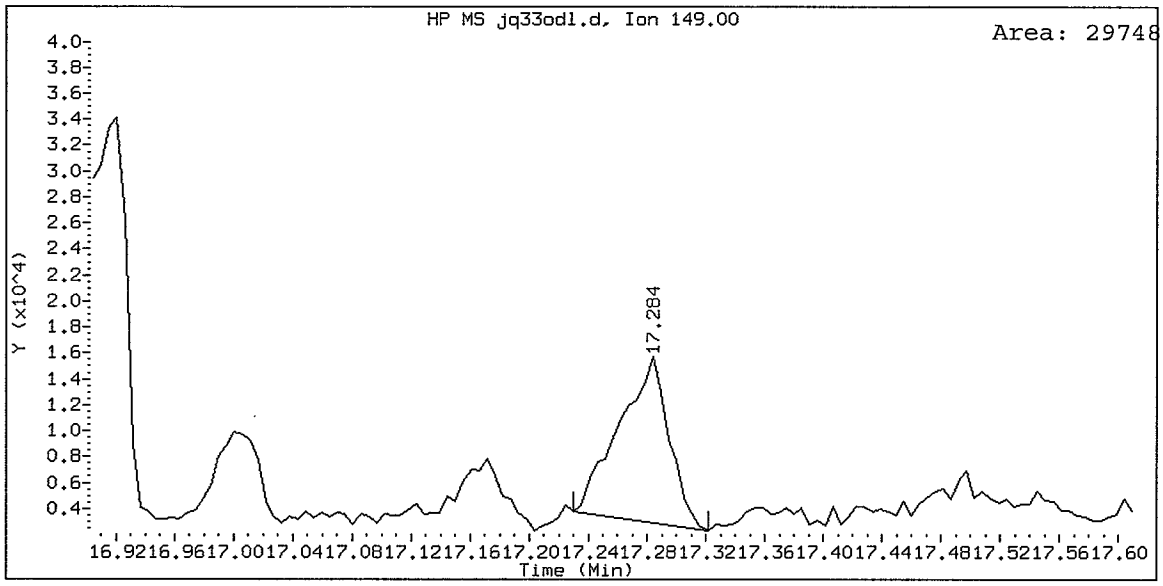


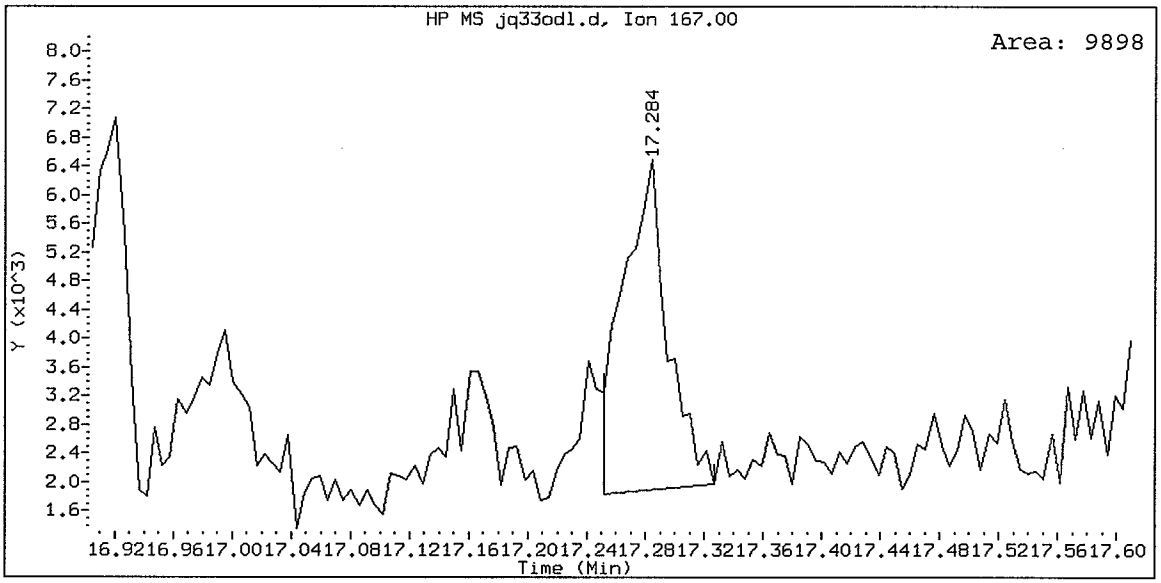


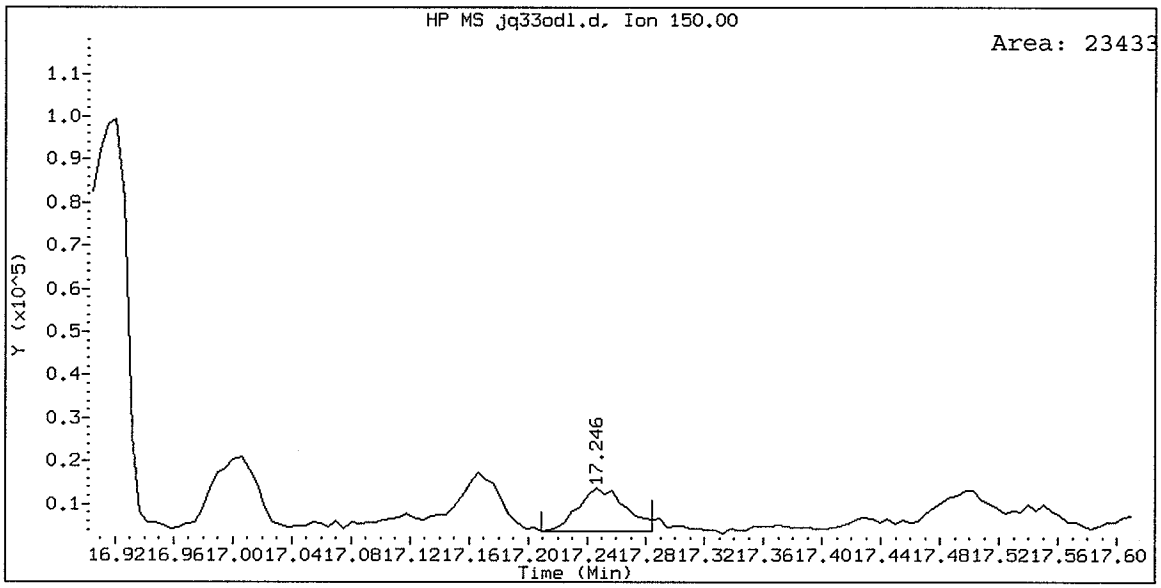




JQ33O, /chem1/nt6.i/20060803.b/jq33odl.d
bis(2-Ethylhexyl)phthalate Amount: 0.76







ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	47.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060808.b/jq33odl2.d
Lab Smp Id: JQ33O Client Smp ID: T4-S3-01-F
Inj Date : 08-AUG-2006 23:56
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33O,20
Misc Info : 06-12937
Comment : 1ul Injection
Method : /chem1/nt6.i/20060808.b/SW846.m
Meth Date : 09-Aug-2006 13:41 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 21
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/10/06

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

Name	Value	Description
DF	20.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	33.10000	Weight of sample extracted (g)
M	49.80000	% Moisture

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 2-Fluorophenol	112	2.962	2.956	(0.573)	23913	1.14706	1381(M)
$	2 Phenol-d5	99	4.960	4.965	(0.959)	32224	1.27570	1535(M)
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	4.896	4.896	(0.946)	24281	1.13265	1365(M)
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	5.174	5.179	(1.000)	282519	20.0000	(M)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.478	5.478	(1.059)	7391	0.53531	644.3(M)
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.157	6.167	(0.850)	22282	0.88702	1068
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.241	7.246	(1.000)	927925	20.0000	
	28 Naphthalene	128	7.268	7.278	(1.004)	86754	1.53791	1851
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.385	8.389	(1.158)	28220	0.92494 LDL	1113
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.068	9.068	(0.905)	32649	0.80537	969.4
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.019	10.024	(1.000)	542934	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.067	10.072	(1.005)	265449	7.61383	9164
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.329	10.329	(1.031)	72680	1.51516	1824
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	10.858	10.863	(1.084)	127844	3.28549	3955
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.280	11.290	(1.126)	6564	1.25729	1513(M)
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.295	12.294	(1.000)	852078	20.0000	
	60 Phenanthrene	178	12.327	12.327	(1.003)	1810470	31.9173	38420
	61 Anthracene	178	12.391	12.396	(1.008)	335157	5.88555	7084
	62 Carbazole	167	12.728	12.733	(1.035)	247989	5.40973	6511
	63 Di-n-butylphthalate	149	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64	Fluoranthene	202	14.191	14.180	(1.154)	4656277	83.2589E	100200
65	Pyrene	202	14.512	14.501	(0.882)	4290193	41.3686	49790
$ 66	Terphenyl-d14	244	14.929	14.934	(0.907)	38251	0.58668	706.2
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	16.440	16.424	(0.999)	3885304	41.7909	50300
* 69	Chrysene-d12	240	16.457	16.445	(1.000)	1231170	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	16.499	16.483	(1.003)	4286379	46.3957	55840
72	bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
* 134	Di-n-octylphthalate-d4	153	17.851	17.850	(1.000)	1498055	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	18.048	18.021	(0.974)	4654874	57.9937	69800
75	Benzo(k)fluoranthene	252	18.064	18.048	(0.975)	4831233	58.2082	70060(M)
76	Benzo(a)pyrene	252	18.465	18.427	(0.996)	5036567	65.1947	78470
* 77	Perylene-d12	264	18.535	18.507	(1.000)	1222579	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	19.854	19.827	(1.071)	3240642	34.4808	41500
79	Dibenzo(a,h)anthracene	278	19.892	19.875	(1.073)	1209537	13.1016	15770
80	Benzo(g,h,i)perylene	276	20.132	20.099	(1.086)	2667578	27.1058	32630
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	8.539	8.550	(1.179)	16122	0.50549 LOL	608.4
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33odl2.d
Lab Smp Id: JQ33O
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060808.b/SW846.m
Misc Info: 06-12937

Calibration Date: 08-AUG-2006
Calibration Time: 13:13
Client Smp ID: T4-S3-01-F
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	284616	142308	569232	282519	-0.74
27 Naphthalene-d8	977404	488702	1954808	927925	-5.06
42 Acenaphthene-d10	544393	272196	1088786	542934	-0.27
59 Phenanthrene-d10	824403	412202	1648806	852078	3.36
69 Chrysene-d12	813838	406919	1627676	1231170	51.28
134 Di-n-octylphthala	1238353	619176	2476706	1498055	20.97
77 Perylene-d12	837816	418908	1675632	1222579	45.92

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.18	4.68	5.68	5.17	-0.09
27 Naphthalene-d8	7.25	6.75	7.75	7.24	-0.07
42 Acenaphthene-d10	10.02	9.52	10.52	10.02	-0.05
59 Phenanthrene-d10	12.29	11.79	12.79	12.29	0.00
69 Chrysene-d12	16.45	15.95	16.95	16.46	0.07
134 Di-n-octylphthala	17.85	17.35	18.35	17.85	0.00
77 Perylene-d12	18.51	18.01	19.01	18.53	0.15

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

Analytical Resources, Inc.

RECOVERY REPORT

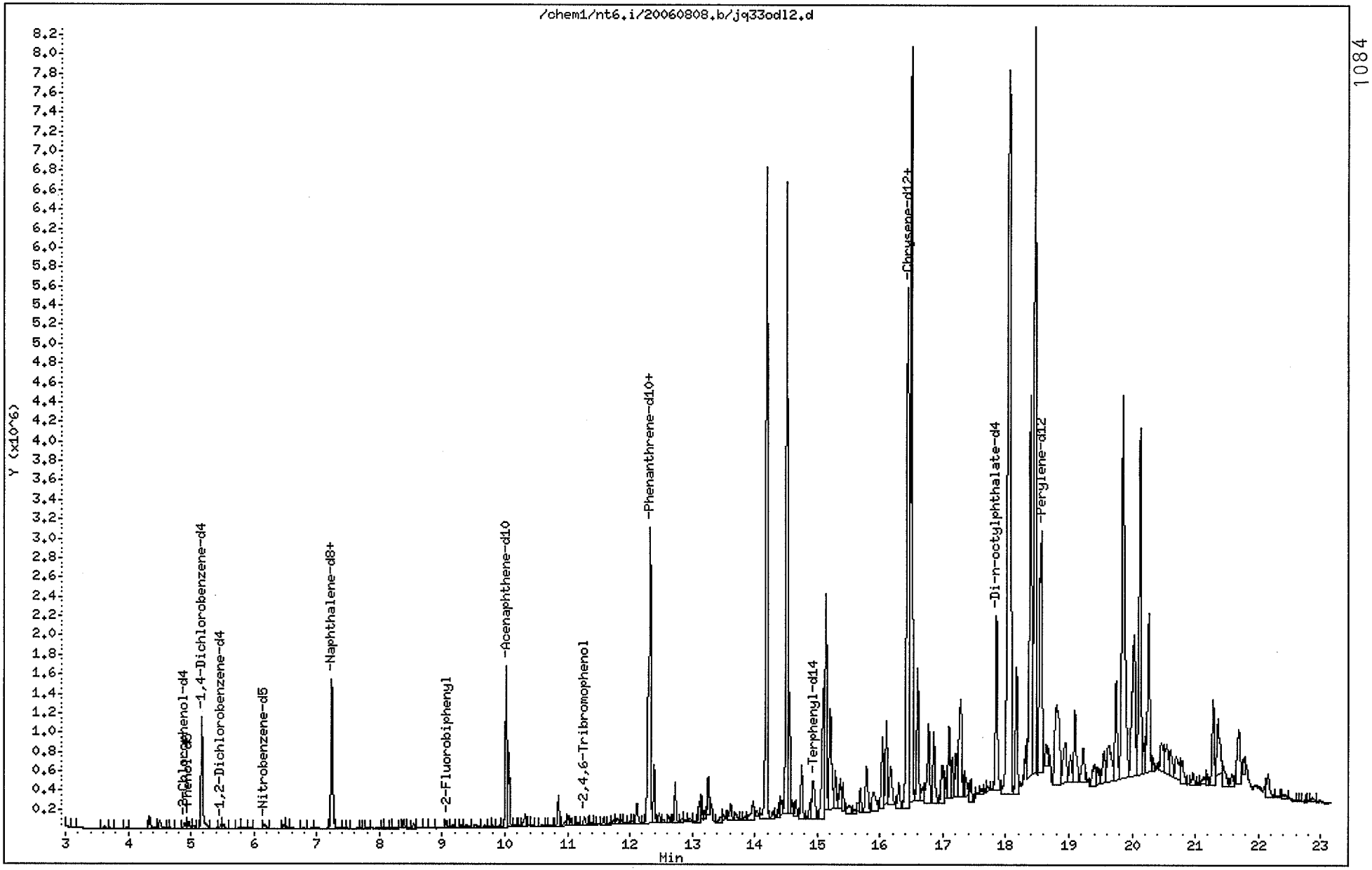
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33O
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060808.b/SW846.m
Misc Info: 06-12937

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-S3-01-F
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	2257	1381	61.18	22-91
$ 2 Phenol-d5	2257	1535	68.04	26-99
$ 5 2-Chlorophenol-d4	2257	1365	60.46	29-96
$ 10 1,2-Dichlorobenzen	1505	644.3	42.83	24-87
$ 18 Nitrobenzene-d5	1505	1068	70.96	27-101
$ 36 2-Fluorobiphenyl	1505	969.4	64.43	30-100
$ 55 2,4,6-Tribromophen	2257	1513	67.06	20-114
$ 66 Terphenyl-d14	1505	706.2	46.93	12-120

Data File: /chem1/nt6.i/20060808.b/jq33od12.d
Date : 08-AUG-2006 23:56
Client ID: T4-S3-01-F
Sample Info: JQ330,20
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	34.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060803.b/jq33pdl.d
Lab Smp Id: JQ33P Client Smp ID: T4-S3-01-G
Inj Date : 03-AUG-2006 11:54
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33P,5
Misc Info : 06-12938
Comment : 1ul Injection
Method : /chem1/nt6.i/20060803.b/SW846.m
Meth Date : 04-Aug-2006 12:15 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 8
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/4/06

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

Name	Value	Description
DF	5.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	35.90000	Weight of sample extracted (g)
M	44.60000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1	2-Fluorophenol	112	3.431	3.405	(0.624)	58524	4.01578	1010(M)
$ 2	Phenol-d5	99	5.258	5.248	(0.956)	71027	4.02229	1011(M)
3	Phenol	94	Compound Not Detected.					
$ 5	2-Chlorophenol-d4	132	5.221	5.216	(0.949)	61361	4.09818	1030(M)
4	Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6	2-Chlorophenol	128	Compound Not Detected.					
7	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8	1,4-Dichlorobenzene-d4	152	5.499	5.494	(1.000)	197500	20.0000	(M)
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	5.803	5.798	(1.055)	25307	2.62200	659.2(M)
12	1,2-Dichlorobenzene	146	Compound Not Detected.					
11	Benzyl alcohol	108	Compound Not Detected.					
14	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13	2-Methylphenol	108	Compound Not Detected.					
17	Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.466	6.466	(0.857)	49552	2.74163	689.2
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.545	7.545	(1.000)	667645	20.0000	
	28 Naphthalene	128	7.572	7.577	(1.004)	141808	3.49388	878.4
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.693	8.688	(1.152)	45025	2.05106	515.6
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.367	9.367	(0.906)	89694	2.96786	746.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.339	10.334	(1.000)	404754	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.387	10.382	(1.005)	529094	20.3569	5118
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.643	10.643	(1.029)	134678	3.76615	946.8
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.183	11.178	(1.082)	257844	8.88858	2235
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.605	11.605	(1.122)	20328	5.22297	1313
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.631	12.620	(1.000)	686643	20.0000	
	60 Phenanthrene	178	12.673	12.652	(1.003)	3923559	85.8348 E	21580
	61 Anthracene	178	12.732	12.721	(1.008)	687557	14.9829	3767
	62 Carbazole	167	13.063	13.058	(1.034)	472847	12.8001	3218 (M)
	63 Di-n-butylphthalate	149	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64	Fluoranthene	202	14.564	14.522	(1.153)	9480716	210.369E	52890
65	Pyrene	202	14.890	14.848	(0.884)	9324762	81.2904E	20440
$ 66	Terphenyl-d14	244	15.280	15.264	(0.907)	123643	1.71450	431.0
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	16.829	16.782	(0.999)	9442404	91.8220E	23080
* 69	Chrysene-d12	240	16.840	16.798	(1.000)	1361791	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	16.899	16.840	(1.003)	9599098	93.9345E	23620
72	bis(2-Ethylhexyl)phthalate	149	17.273	17.257	(0.949)	50542	1.4583B	366.6(M)
* 134	Di-n-octylphthalate-d4	153	18.208	18.181	(1.000)	1372600	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	18.480	18.384	(0.975)	14062741	142.484E	35820(M)
75	Benzo(k)fluoranthene	252	18.480	18.416	(0.975)	7546138	73.9391	18590(M)
76	Benzo(a)pyrene	252	18.902	18.801	(0.997)	11882439	125.085E	31450
* 77	Perylene-d12	264	18.950	18.881	(1.000)	1503329	20.0000	(M)
78	Indeno(1,2,3-cd)pyrene	276	20.297	20.200	(1.071)	9440876	81.6923E	20540(M)
79	Dibenzo(a,h)anthracene	278	20.318	20.249	(1.072)	4266306	37.5819	9448(M)
80	Benzo(g,h,i)perylene	276	20.585	20.484	(1.086)	7600979	62.8113	15790(M)
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	8.854	8.848	(1.173)	24360	1.06155	266.9
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33pdl.d
Lab Smp Id: JQ33P
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060803.b/SW846.m
Misc Info: 06-12938

Calibration Date: 03-AUG-2006
Calibration Time: 07:18
Client Smp ID: T4-S3-01-G
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF	
8 1,4-Dichlorobenze	174091	87046	348182	197500	13.45	
27 Naphthalene-d8	604851	302426	1209702	667645	10.38	
42 Acenaphthene-d10	360439	180220	720878	404754	12.29	
59 Phenanthrene-d10	578581	289290	1157162	686643	18.68	
69 Chrysene-d12	569907	284954	1139814	1361791	138.95	<-
134 Di-n-octylphthala	833015	416508	1666030	1372600	64.77	
77 Perylene-d12	596448	298224	1192896	1503329	152.05	<-

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.49	4.99	5.99	5.50	0.09
27 Naphthalene-d8	7.54	7.04	8.04	7.54	0.00
42 Acenaphthene-d10	10.33	9.83	10.83	10.34	0.05
59 Phenanthrene-d10	12.62	12.12	13.12	12.63	0.08
69 Chrysene-d12	16.80	16.30	17.30	16.84	0.25
134 Di-n-octylphthala	18.18	17.68	18.68	18.21	0.15
77 Perylene-d12	18.88	18.38	19.38	18.95	0.37

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

Analytical Resources, Inc.

RECOVERY REPORT

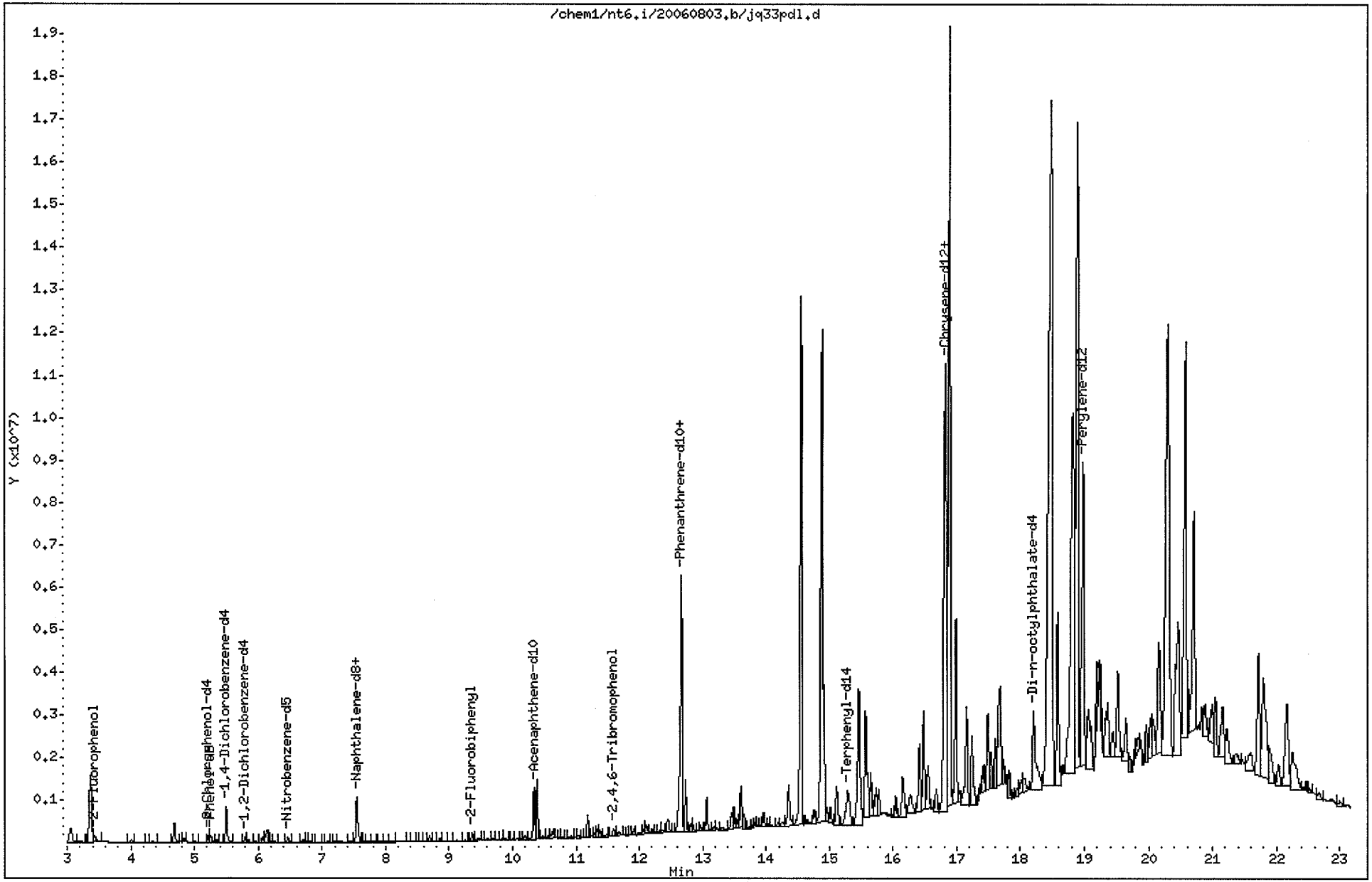
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33P
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060803.b/SW846.m
Misc Info: 06-12938

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-S3-01-G
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	1886	1010	53.54	22-91
$ 2 Phenol-d5	1886	1011	53.63	26-99
$ 5 2-Chlorophenol-d4	1886	1030	54.64	29-96
$ 10 1,2-Dichlorobenzen	1257	659.2	52.44	24-87
$ 18 Nitrobenzene-d5	1257	689.2	54.83	27-101
$ 36 2-Fluorobiphenyl	1257	746.1	59.36	30-100
$ 55 2,4,6-Tribromophen	1886	1313	69.64	20-114
$ 66 Terphenyl-d14	1257	431.0	34.29	12-120

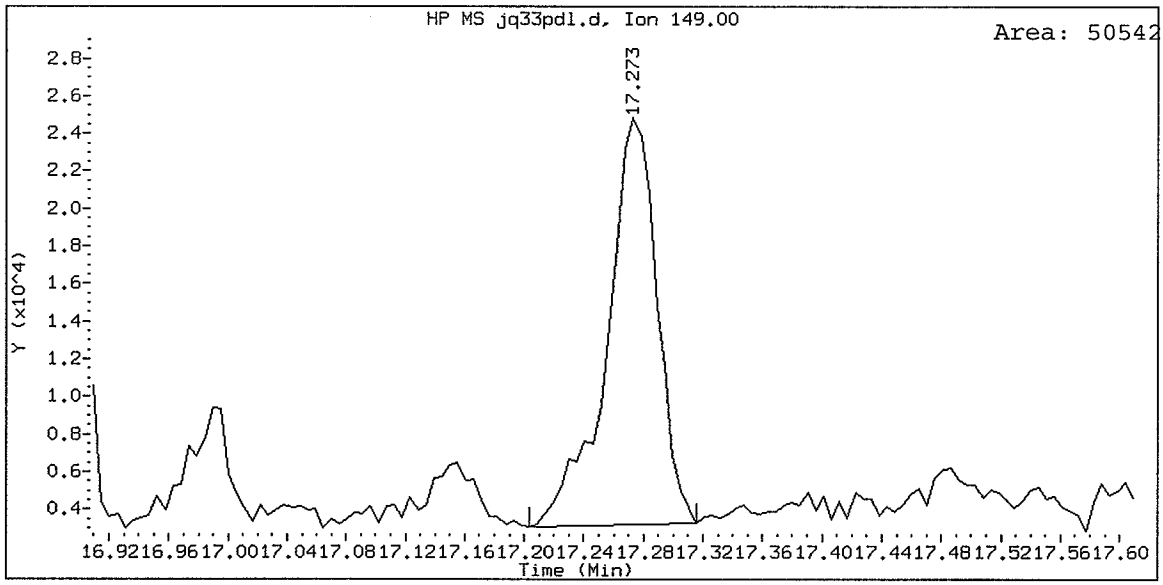
Data File: /chem1/nt6.i/20060803.b/jq33pdl.d
Date : 03-AUG-2006 11:54
Client ID: T4-S3-01-G
Sample Info: JQ33P,5
Volume Injected (uL): 1.0
Column phase: ZB-5

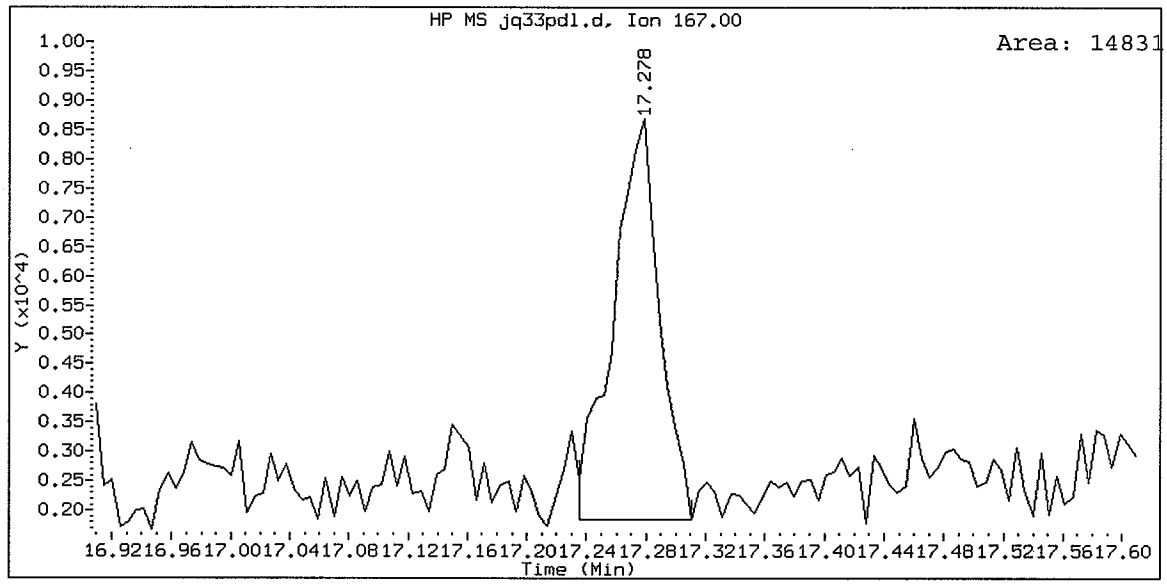
Instrument: nt6.i
Operator: LJR
Column diameter: 0.32

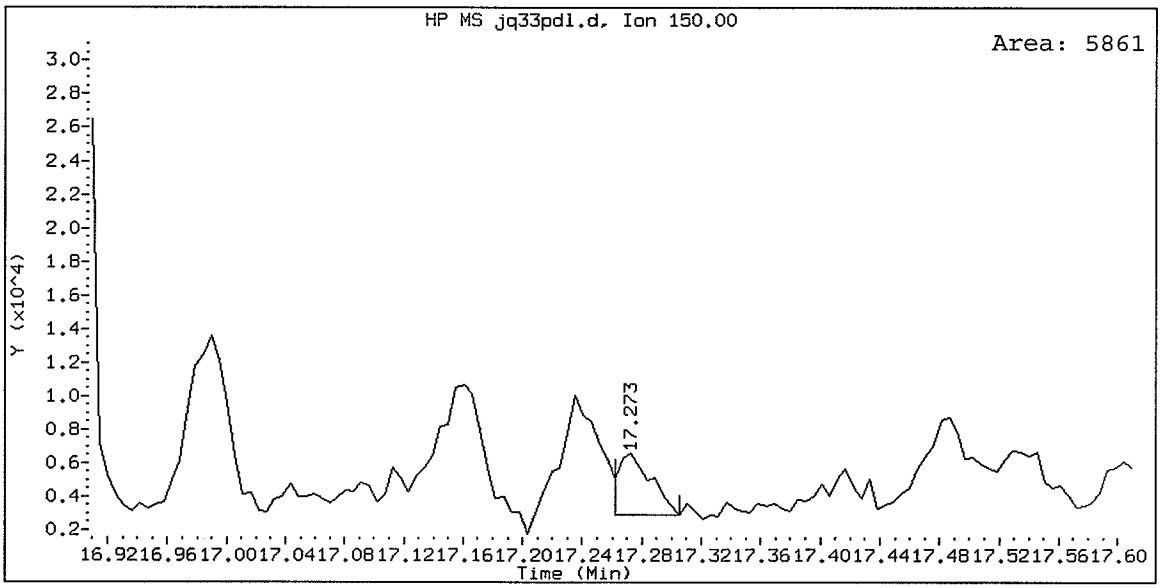


1091

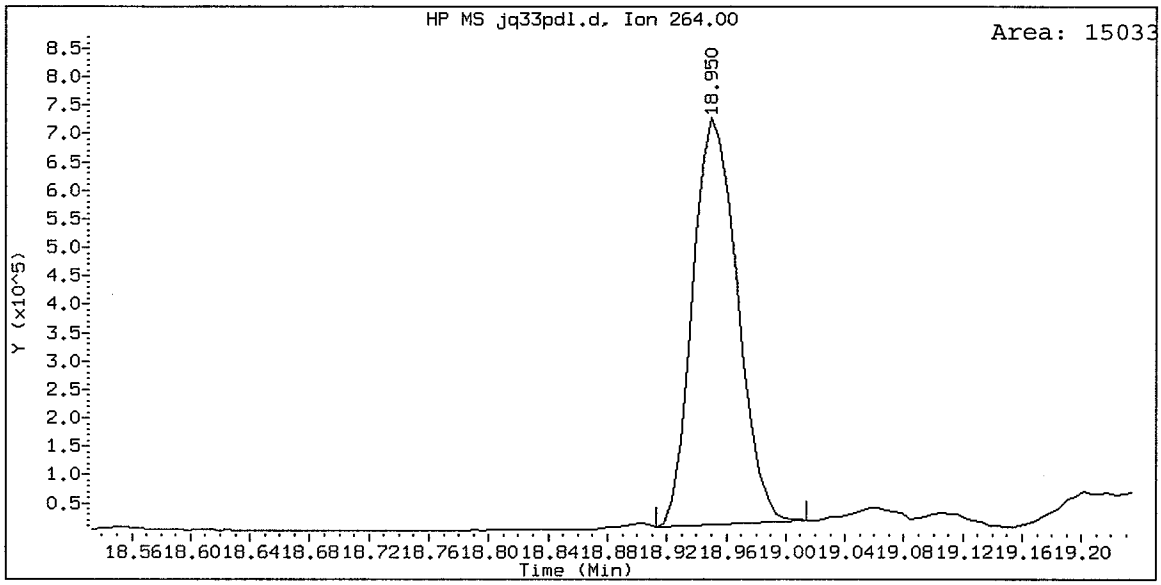
JQ33P, /chem1/nt6.i/20060803.b/jq33pdl.d
bis(2-Ethylhexyl)phthalate Amount: 1.46

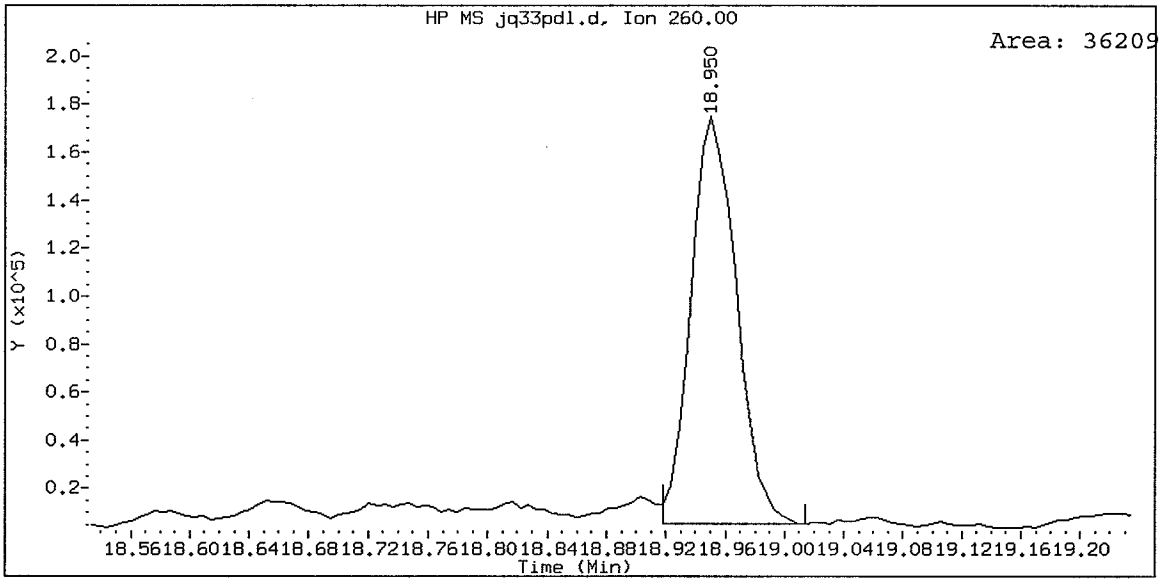


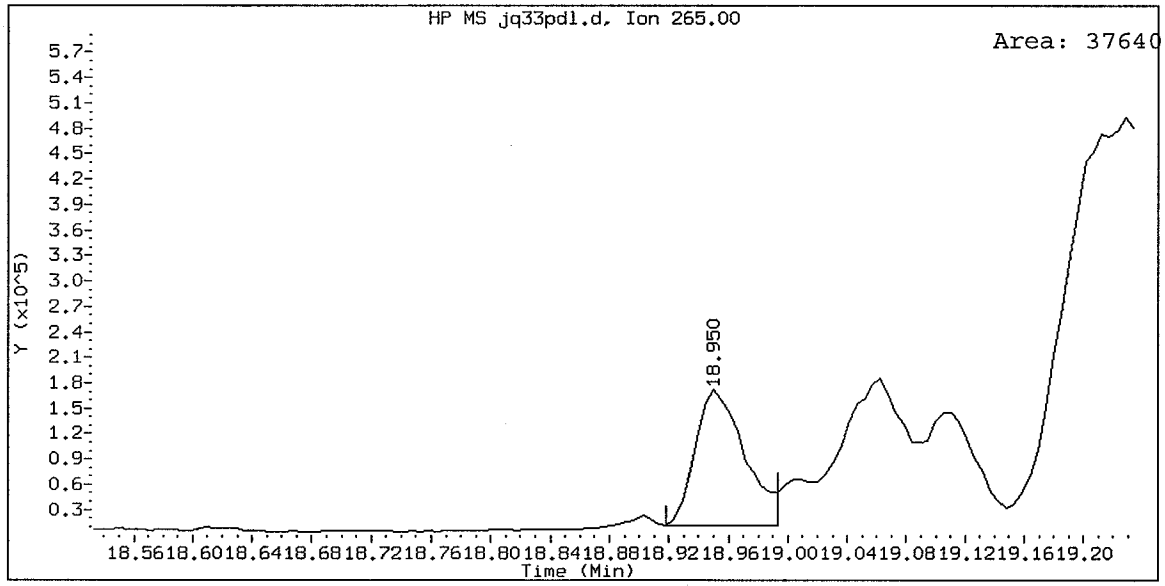




JQ33P, /chem1/nt6.i/20060803.b/jq33pdl.d
Perylene-d12 Amount: 20.00







Data File: /chem1/nt6.i/20060803.b/jq33pdl.d

Date : 03-AUG-2006 11:54

Client ID: T4-S3-01-G

Instrument: nt6.i

Sample Info: JQ33P,5

Volume Injected (uL): 1.0

Operator: LJR

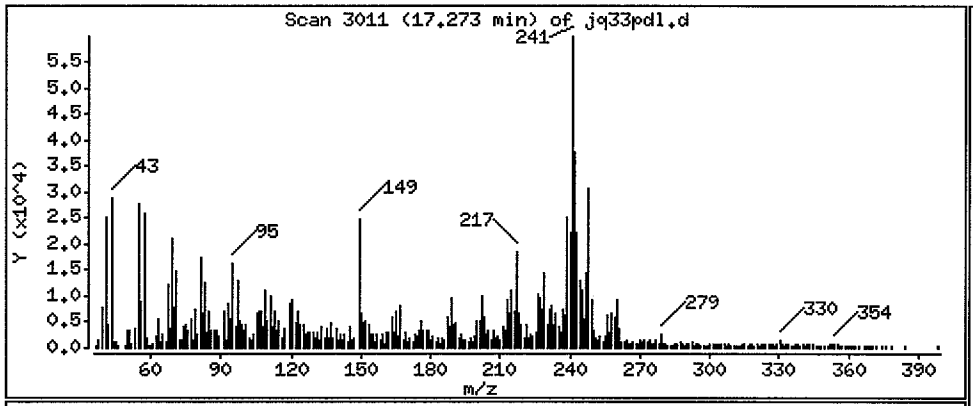
Column phase: ZB-5

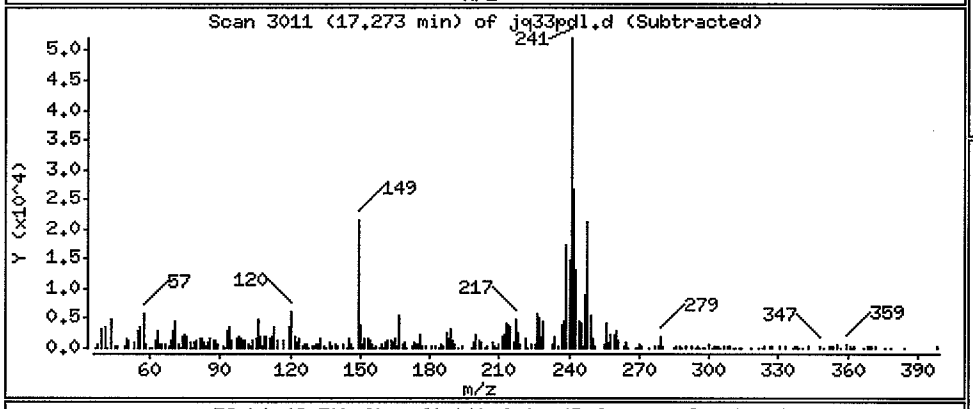
Column diameter: 0.32

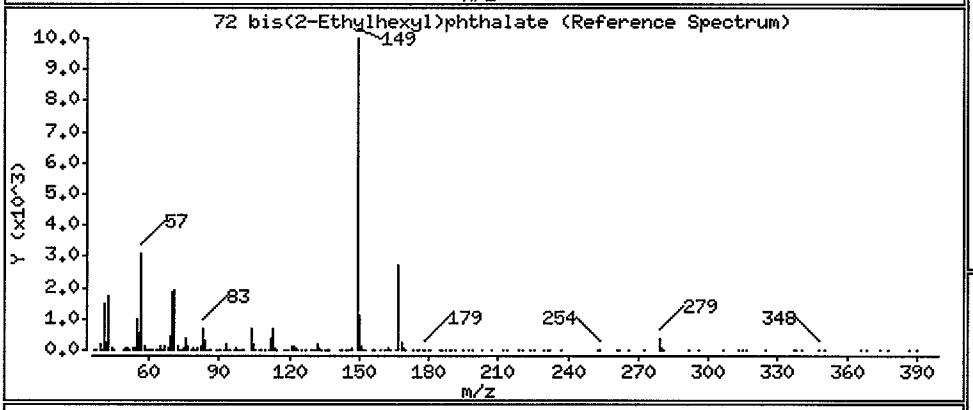
72 bis(2-Ethylhexyl)phthalate

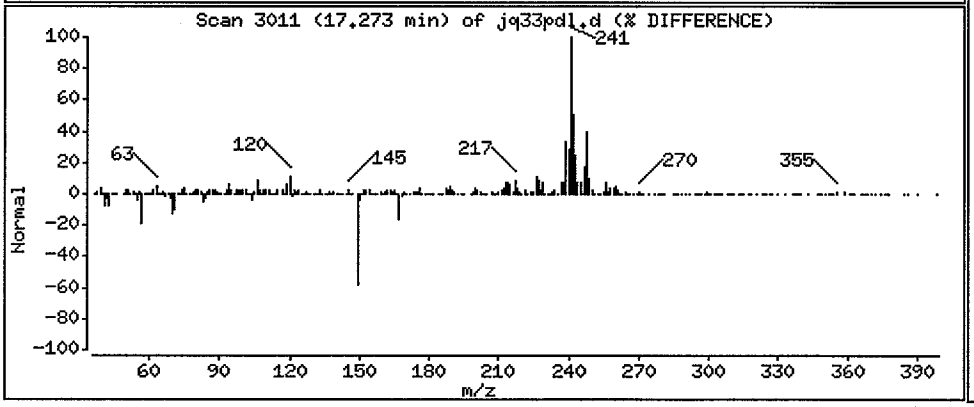
Concentration: 366.6 ug/kg

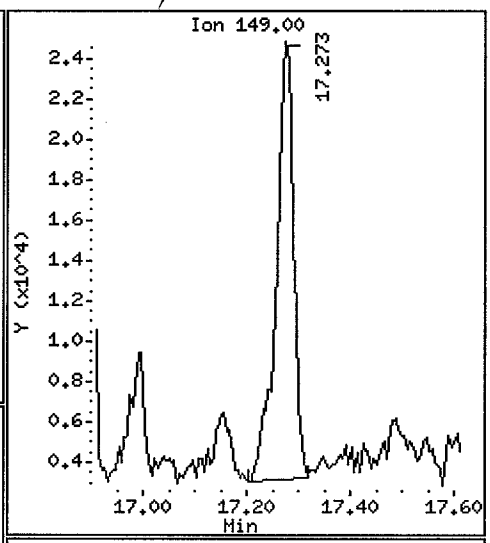
B

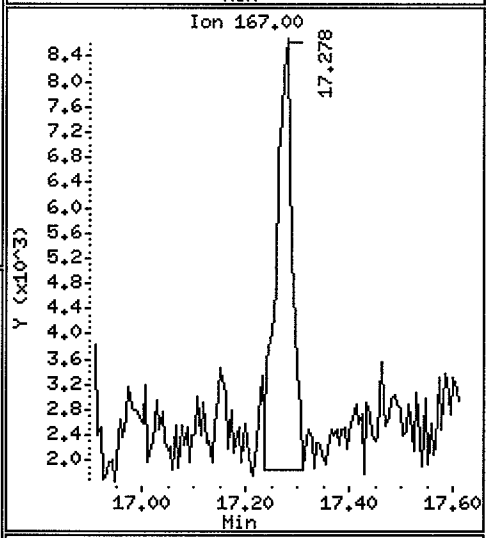


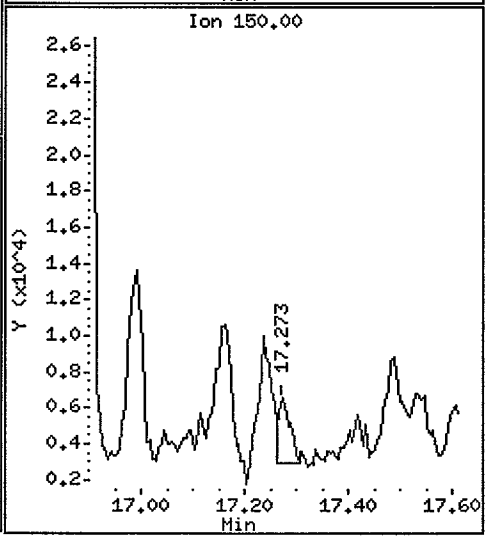












ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	48.0%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060808.b/jq33pdl2.d
Lab Smp Id: JQ33P Client Smp ID: T4-S3-01-G
Inj Date : 09-AUG-2006 00:27
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33P,20
Misc Info : 06-12938
Comment : 1ul Injection
Method : /chem1/nt6.i/20060808.b/SW846.m
Meth Date : 09-Aug-2006 13:41 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 22
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/10/06

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

Name	Value	Description
DF	20.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	35.90000	Weight of sample extracted (g)
M	44.60000	% Moisture

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 2-Fluorophenol	112	2.967	2.956	(0.574)	20007	0.97466	980.1(M)
$	2 Phenol-d5	99	4.960	4.965	(0.959)	28671	1.15273	1159(M)
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	4.896	4.896	(0.946)	21445	1.01685	1023(M)
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	5.173	5.179	(1.000)	278183	20.0000	(M)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.483	5.478	(1.060)	9791	0.72019	724.2(M)
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.156	6.167	(0.850)	20036	0.81614	820.7
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.241	7.246	(1.000)	906855	20.0000	
	28 Naphthalene	128	7.268	7.278	(1.004)	48454	0.87891 LDL	883.8
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.389	8.389	(1.159)	15401	0.51651	519.4
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.068	9.068	(0.905)	29844	0.74334	747.5
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.019	10.024	(1.000)	537701	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.067	10.072	(1.005)	165433	4.79127	4818
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.323	10.329	(1.030)	47014	0.98964 LDL	995.2
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	10.857	10.863	(1.084)	81243	2.10820	2120
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.279	11.290	(1.126)	5135	0.99315	998.7
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.289	12.294	(1.000)	859359	20.0000	
	60 Phenanthrene	178	12.321	12.327	(1.003)	1092295	19.0932	19200
	61 Anthracene	178	12.385	12.396	(1.008)	212258	3.69579	3716
	62 Carbazole	167	12.727	12.733	(1.036)	154257	3.33652	3355
	63 Di-n-butylphthalate	149	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	64 Fluoranthene	202	14.186	14.180	(1.154)	2931812	51.9796	52270
	65 Pyrene	202	14.506	14.501	(0.882)	2692273	26.6576	26810
$	66 Terphenyl-d14	244	14.923	14.934	(0.907)	37813	0.59554	598.9
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	16.429	16.424	(0.999)	2410479	26.6237	26770
*	69 Chrysene-d12	240	16.451	16.445	(1.000)	1198973	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	16.488	16.483	(1.002)	2584979	28.7311	28890
	72 bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
*	134 Di-n-octylphthalate-d4	153	17.850	17.850	(1.000)	1585821	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	18.043	18.021	(0.974)	3185554	40.7912	41020(M)
	75 Benzo(k)fluoranthene	252	18.053	18.048	(0.974)	2451757	30.3607	30530(M)
	76 Benzo(a)pyrene	252	18.454	18.427	(0.996)	2984091	39.7007	39920
*	77 Perylene-d12	264	18.529	18.507	(1.000)	1189512	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	19.838	19.827	(1.071)	1911278	20.9015	21020
	79 Dibenzo(a,h)anthracene	278	19.880	19.875	(1.073)	711492	7.92104	7965
	80 Benzo(g,h,i)perylene	276	20.115	20.099	(1.086)	1566781	16.3630	16450
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33pdl2.d
Lab Smp Id: JQ33P
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060808.b/SW846.m
Misc Info: 06-12938

Calibration Date: 08-AUG-2006
Calibration Time: 13:13
Client Smp ID: T4-S3-01-G
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	284616	142308	569232	278183	-2.26
27 Naphthalene-d8	977404	488702	1954808	906855	-7.22
42 Acenaphthene-d10	544393	272196	1088786	537701	-1.23
59 Phenanthrene-d10	824403	412202	1648806	859359	4.24
69 Chrysene-d12	813838	406919	1627676	1198973	47.32
134 Di-n-octylphthala	1238353	619176	2476706	1585821	28.06
77 Perylene-d12	837816	418908	1675632	1189512	41.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.18	4.68	5.68	5.17	-0.10
27 Naphthalene-d8	7.25	6.75	7.75	7.24	-0.07
42 Acenaphthene-d10	10.02	9.52	10.52	10.02	-0.05
59 Phenanthrene-d10	12.29	11.79	12.79	12.29	-0.04
69 Chrysene-d12	16.45	15.95	16.95	16.45	0.03
134 Di-n-octylphthala	17.85	17.35	18.35	17.85	0.00
77 Perylene-d12	18.51	18.01	19.01	18.53	0.12

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

Analytical Resources, Inc.

RECOVERY REPORT

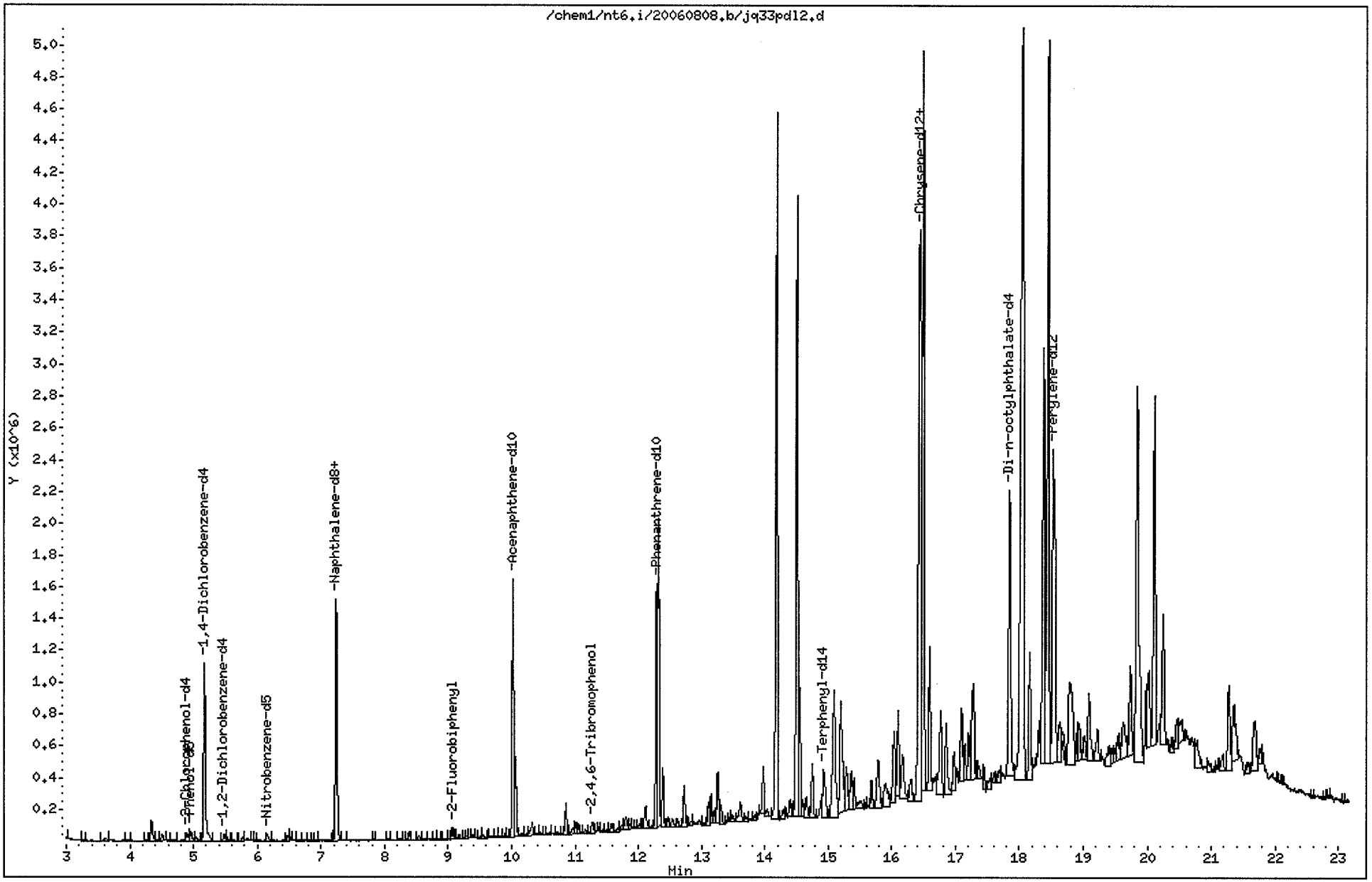
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33P
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060808.b/SW846.m
Misc Info: 06-12938

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-S3-01-G
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	1886	980.1	51.98	22-91
$ 2 Phenol-d5	1886	1159	61.48	26-99
$ 5 2-Chlorophenol-d4	1886	1023	54.23	29-96
$ 10 1,2-Dichlorobenzen	1257	724.2	57.62	24-87
$ 18 Nitrobenzene-d5	1257	820.7	65.29	27-101
$ 36 2-Fluorobiphenyl	1257	747.5	59.47	30-100
$ 55 2,4,6-Tribromophen	1886	998.7	52.97	20-114
$ 66 Terphenyl-d14	1257	598.9	47.64	12-120

Data File: /chem1/nt6.i/20060808.b/jq33pd12.d
Date : 09-AUG-2006 00:27
Client ID: T4-S3-01-G
Sample Info: JQ33P,20
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



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ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	27.6%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060803.b/jq33qdl.d
Lab Smp Id: JQ33Q Client Smp ID: T4-S3-01-H
Inj Date : 03-AUG-2006 12:24
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33Q,5
Misc Info : 06-12939
Comment : 1ul Injection
Method : /chem1/nt6.i/20060803.b/SW846.m
Meth Date : 04-Aug-2006 12:15 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 9
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/15/06

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

Name	Value	Description
DF	5.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	35.20000	Weight of sample extracted (g)
M	45.60000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	3.435	3.405	(0.624)	53584	3.89303	1017(M)
$	2 Phenol-d5	99	5.256	5.248	(0.955)	64479	3.86622	1010
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	5.219	5.216	(0.949)	57684	4.07914	1065(M)
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	5.502	5.494	(1.000)	186530	20.0000	(M)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.796	5.798	(1.053)	24086	2.64222	689.9(M)
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.464	6.466	(0.856)	44940	2.64772	691.4
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.548	7.545	(1.000)	626979	20.0000	
	28 Naphthalene	128	7.575	7.577	(1.004)	239620	6.28671	1642
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.691	8.688	(1.151)	68970	3.34563	873.6
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.364	9.367	(0.906)	79043	2.83505	740.3
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.337	10.334	(1.000)	373400	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.390	10.382	(1.005)	1154562	48.1517	12570
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.647	10.643	(1.030)	227139	6.88508	1798
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.186	11.178	(1.082)	430094	16.0715	4196
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.603	11.605	(1.122)	18629	5.18835	1355
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.634	12.620	(1.000)	690529	20.0000	
	60 Phenanthrene	178	12.682	12.652	(1.004)	7834777	170.435E	44500
	61 Anthracene	178	12.741	12.721	(1.008)	1706432	36.9764	9655
	62 Carbazole	167	13.066	13.058	(1.034)	1034374	27.8432	7270
	63 Di-n-butylphthalate	149	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64	Fluoranthene	202	14.589	14.522	(1.155)	16711524	368.727 E	96280
65	Pyrene	202	14.915	14.848	(0.883)	17739059	109.687 E	28640
$ 66	Terphenyl-d14	244	15.289	15.264	(0.905)	139811	1.37510	359.1
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	16.865	16.782	(0.999)	20595170	142.054 E	37090
* 69	Chrysene-d12	240	16.886	16.798	(1.000)	1919930	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	16.934	16.840	(1.003)	15447031	107.217 E	28000 (M)
72	bis(2-Ethylhexyl)phthalate	149	17.281	17.257	(0.949)	58141	1.39143 B	363.3 (M)
* 134	Di-n-octylphthalate-d4	153	18.216	18.181	(1.000)	1654910	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	18.526	18.384	(0.975)	24856375	252.174 E	65850 (M)
75	Benzo(k)fluoranthene	252	18.532	18.416	(0.975)	8664942	85.0124 E	22200 (M)
76	Benzo(a)pyrene	252	18.959	18.801	(0.998)	16601754	174.994 E	45690 (M)
* 77	Perylene-d12	264	19.002	18.881	(1.000)	1501366	20.0000	(M)
78	Indeno(1,2,3-cd)pyrene	276	20.348	20.200	(1.071)	13987290	121.191 E	31640 (M)
79	Dibenzo(a,h)anthracene	278	20.364	20.249	(1.072)	7168106	63.2264	16510 (M)
80	Benzo(g,h,i)perylene	276	20.620	20.484	(1.085)	10791096	89.2897 E	23310 (M)
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	8.846	8.848	(1.172)	31010	1.43899	375.7
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33qdl.d
Lab Smp Id: JQ33Q
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060803.b/SW846.m
Misc Info: 06-12939

Calibration Date: 03-AUG-2006
Calibration Time: 07:18
Client Smp ID: T4-S3-01-H
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	174091	87046	348182	186530	7.15
27 Naphthalene-d8	604851	302426	1209702	626979	3.66
42 Acenaphthene-d10	360439	180220	720878	373400	3.60
59 Phenanthrene-d10	578581	289290	1157162	690529	19.35
69 Chrysene-d12	569907	284954	1139814	1919930	236.88 <-
134 Di-n-octylphthala	833015	416508	1666030	1654910	98.67
77 Perylene-d12	596448	298224	1192896	1501366	151.72 <-

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.49	4.99	5.99	5.50	0.15
27 Naphthalene-d8	7.54	7.04	8.04	7.55	0.04
42 Acenaphthene-d10	10.33	9.83	10.83	10.34	0.03
59 Phenanthrene-d10	12.62	12.12	13.12	12.63	0.11
69 Chrysene-d12	16.80	16.30	17.30	16.89	0.53
134 Di-n-octylphthala	18.18	17.68	18.68	18.22	0.19
77 Perylene-d12	18.88	18.38	19.38	19.00	0.64

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

Analytical Resources, Inc.

RECOVERY REPORT

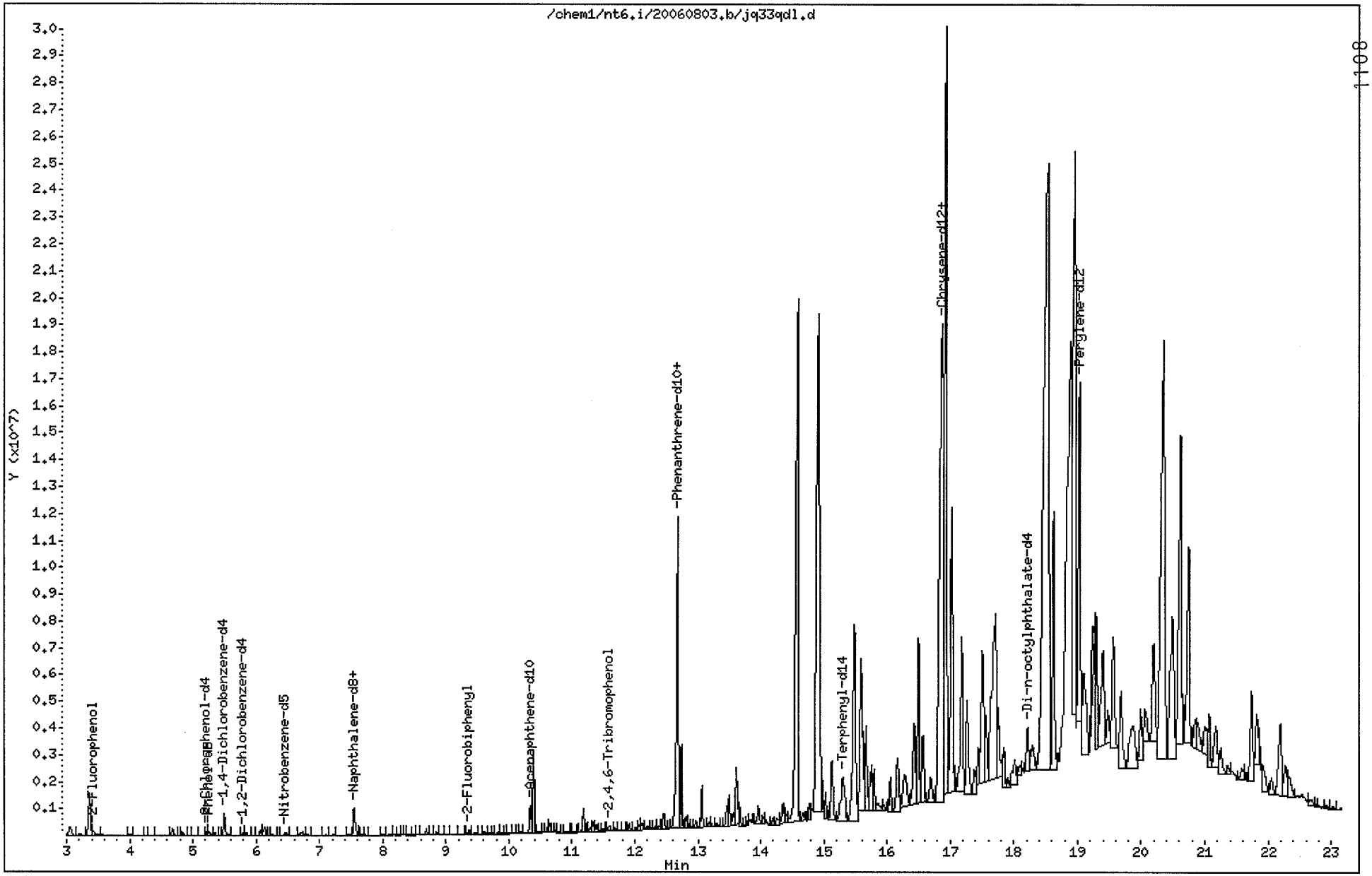
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33Q
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060803.b/SW846.m
Misc Info: 06-12939

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-S3-01-H
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	1958	1017	51.91	22-91
$ 2 Phenol-d5	1958	1010	51.55	26-99
$ 5 2-Chlorophenol-d4	1958	1065	54.39	29-96
$ 10 1,2-Dichlorobenzen	1306	689.9	52.84	24-87
$ 18 Nitrobenzene-d5	1306	691.4	52.95	27-101
$ 36 2-Fluorobiphenyl	1306	740.3	56.70	30-100
$ 55 2,4,6-Tribromophen	1958	1355	69.18	20-114
$ 66 Terphenyl-d14	1306	359.1	27.50	12-120

Data File: /chem1/nt6.i/20060803.b/jq33qdl.d
Date : 03-AUG-2006 12:24
Client ID: T4-S3-01-H
Sample Info: JQ33Q,5
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



Data File: /chem1/nt6.i/20060803.b/jq33qdl.d

Date : 03-AUG-2006 12:24

Client ID: T4-S3-01-H

Instrument: nt6.i

Sample Info: JQ33Q,5

Volume Injected (uL): 1.0

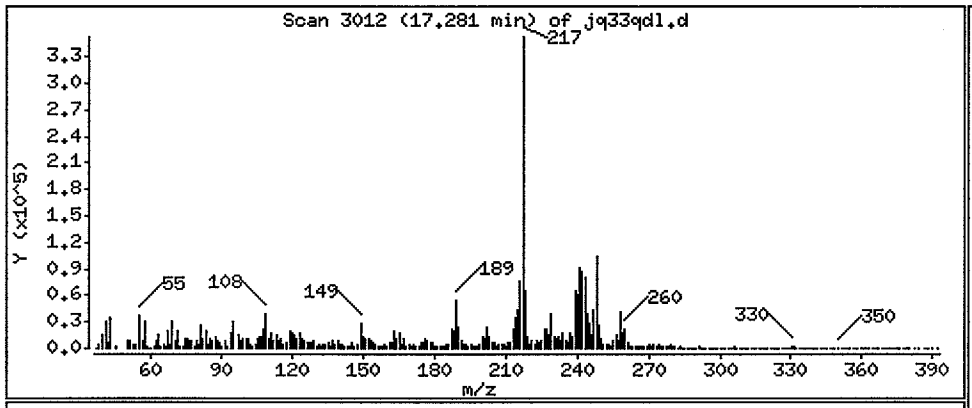
Operator: LJR

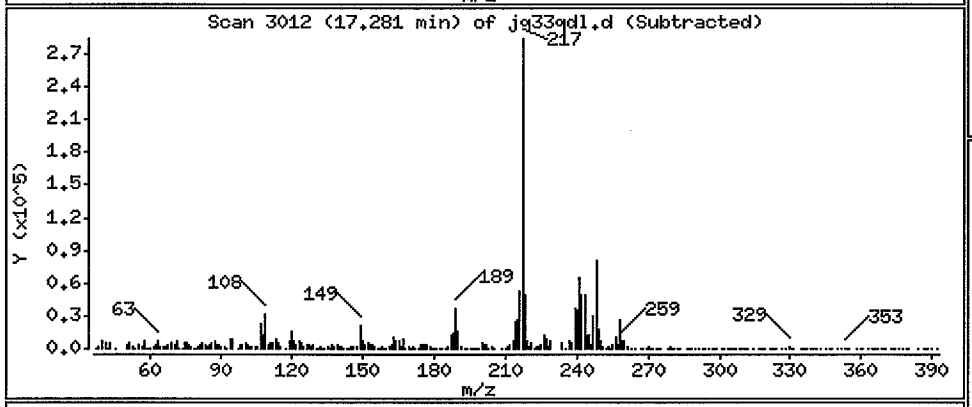
Column phase: ZB-5

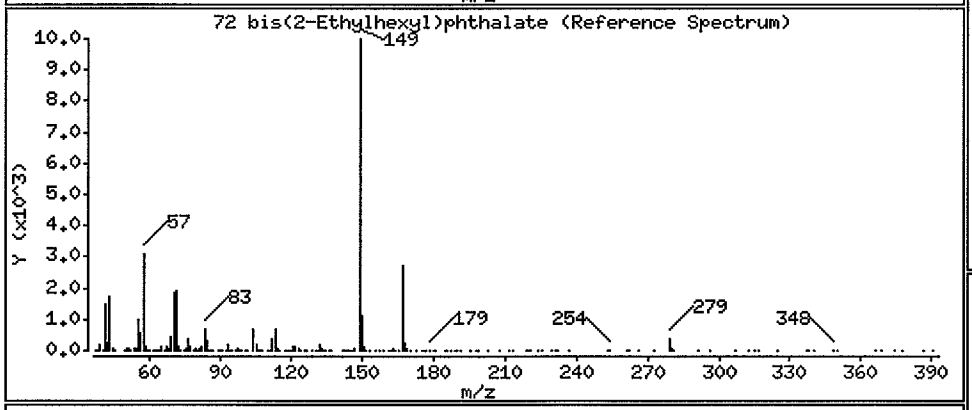
Column diameter: 0.32

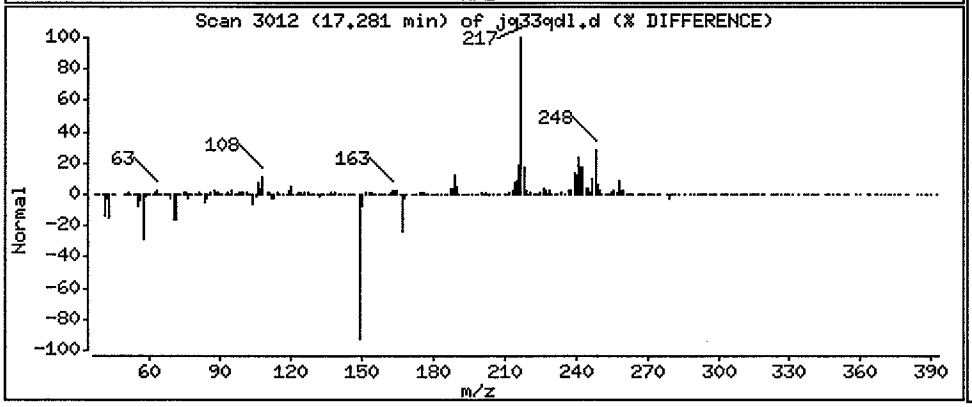
72 bis(2-Ethylhexyl)phthalate

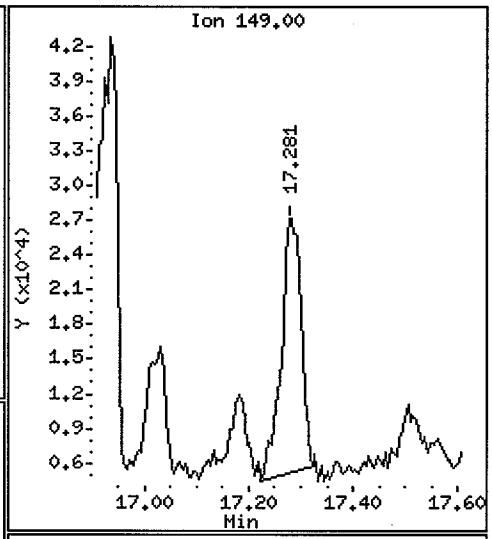
Concentration: 363.3 ug/kg

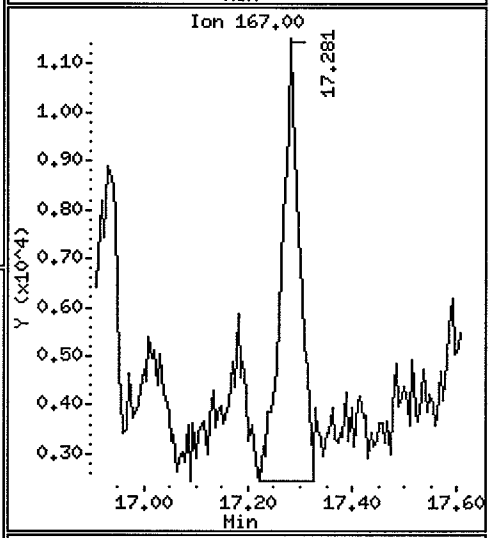


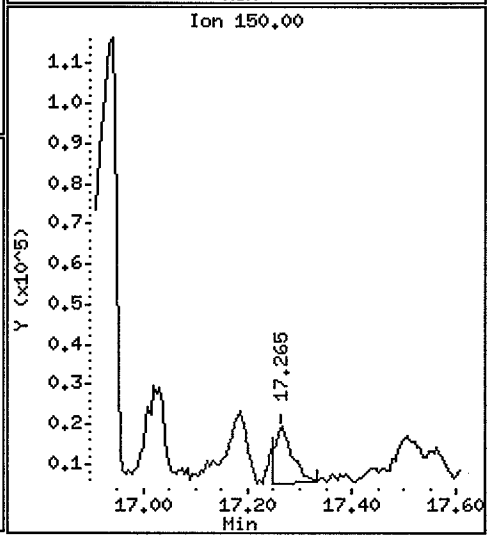




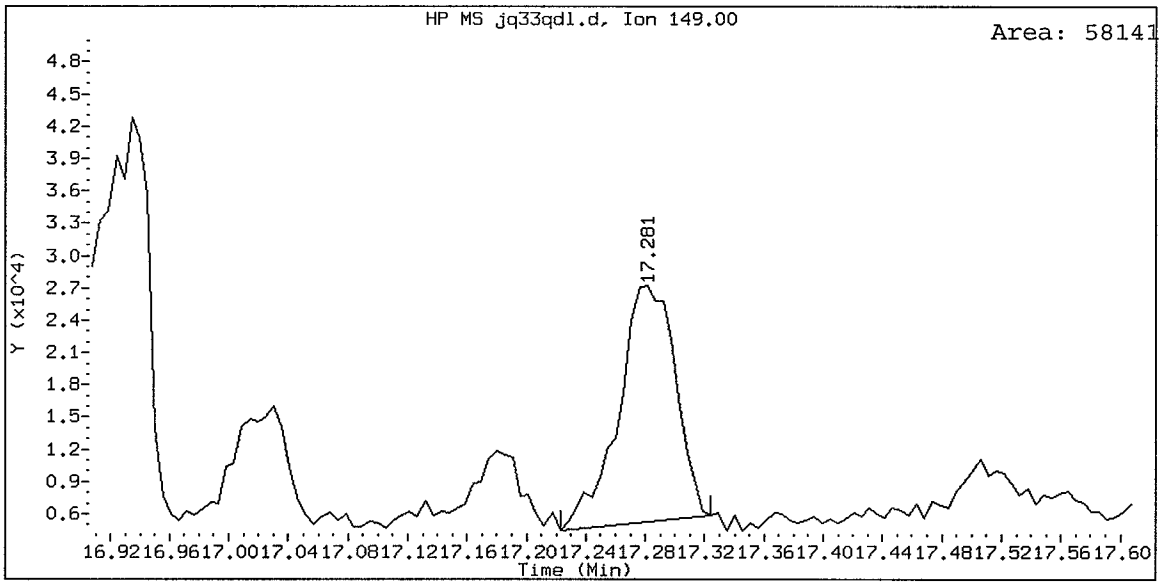


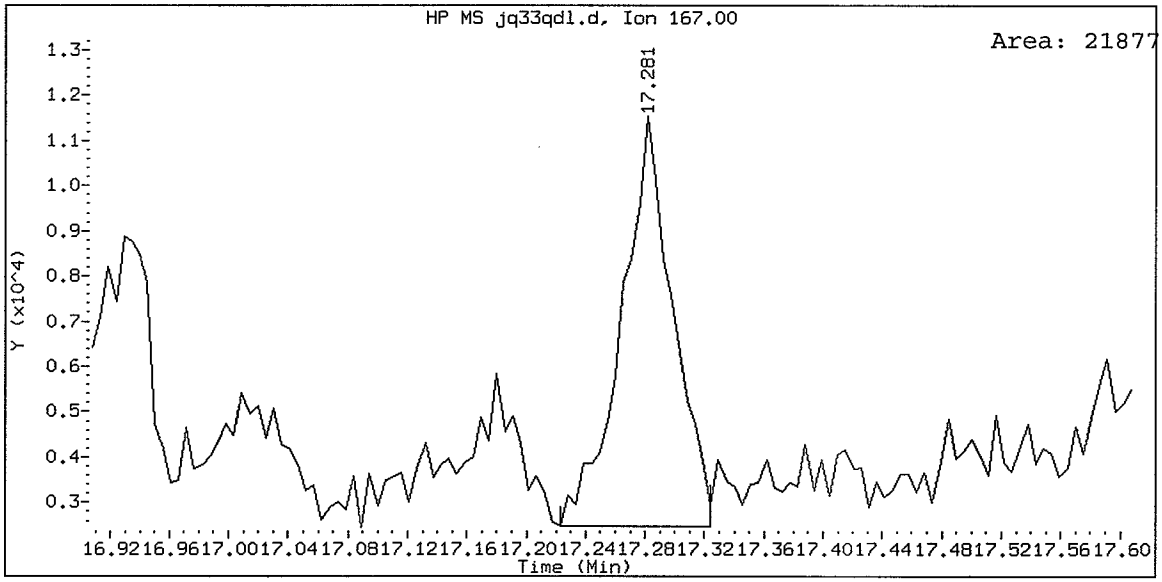


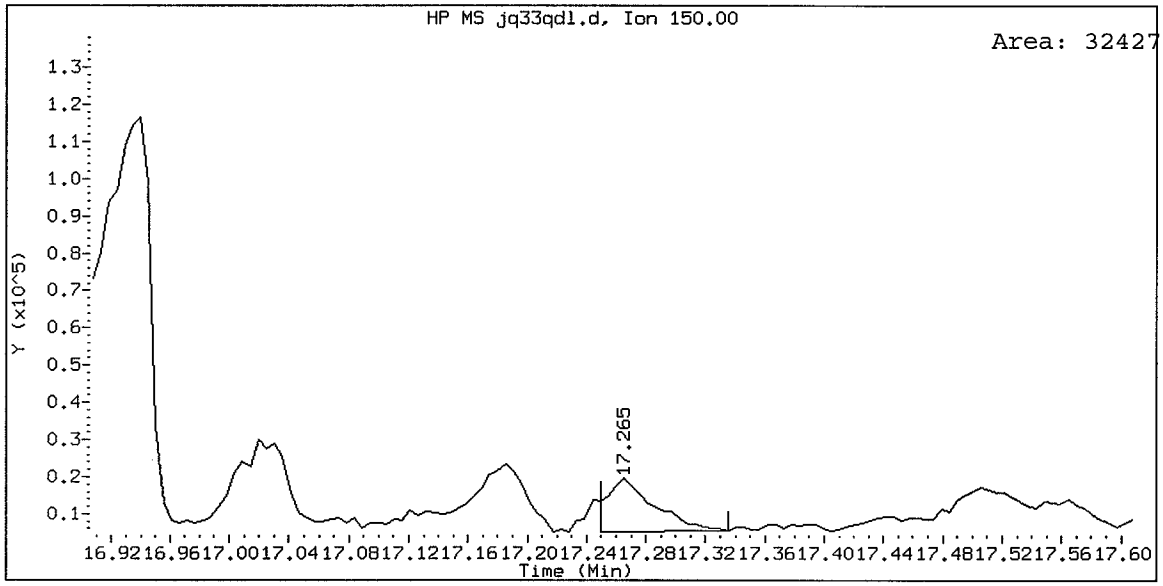




JQ33Q, /chem1/nt6.i/20060803.b/jq33qdl.d
bis(2-Ethylhexyl)phthalate Amount: 1.39







ANALYTICAL RESOURCES INCORPORATED

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

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

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

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

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	41.6%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060808.b/jq33qdl2.d
Lab Smp Id: JQ33Q Client Smp ID: T4-S3-01-H
Inj Date : 09-AUG-2006 00:57
Operator : LJR Inst ID: nt6.i
Smp Info : JQ33Q,20
Misc Info : 06-12939
Comment : 1ul Injection
Method : /chem1/nt6.i/20060808.b/SW846.m
Meth Date : 09-Aug-2006 13:41 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 23
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/10/06

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

Name	Value	Description
DF	20.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	35.20000	Weight of sample extracted (g)
M	45.60000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1	2-Fluorophenol	112	2.962	2.956	(0.572)	21395	1.07336	1121(M)
$ 2	Phenol-d5	99	4.960	4.965	(0.958)	27473	1.13751	1188(M)
3	Phenol	94	Compound Not Detected.					
$ 5	2-Chlorophenol-d4	132	4.901	4.896	(0.946)	20168	0.98482	1029(M)
4	Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6	2-Chlorophenol	128	Compound Not Detected.					
7	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8	1,4-Dichlorobenzene-d4	152	5.179	5.179	(1.000)	270126	20.0000	(M)
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	5.478	5.478	(1.058)	7785	0.58972	615.9(M)
12	1,2-Dichlorobenzene	146	Compound Not Detected.					
11	Benzyl alcohol	108	Compound Not Detected.					
14	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13	2-Methylphenol	108	Compound Not Detected.					
17	Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.156	6.167	(0.850)	18556	0.77664	811.2
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.241	7.246	(1.000)	882589	20.0000	
	28 Naphthalene	128	7.267	7.278	(1.004)	83696	1.55991	1629
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.389	8.389	(1.159)	23932	0.82469	861.4
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.062	9.068	(0.904)	26888	0.70380	735.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.024	10.024	(1.000)	511660	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.067	10.072	(1.004)	360053	10.9586	11450
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.328	10.329	(1.030)	75484	1.66980	1744
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	10.857	10.863	(1.083)	138799	3.78505	3953
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.279	11.290	(1.125)	4936	1.00325	1048
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.294	12.294	(1.000)	823530	20.0000	
	60 Phenanthrene	178	12.326	12.327	(1.003)	2241707	40.8897	42710
	61 Anthracene	178	12.391	12.396	(1.008)	488921	8.88336	9278
	62 Carbazole	167	12.732	12.733	(1.036)	299315	6.75572	7056
	63 Di-n-butylphthalate	149	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64	Fluoranthene	202	14.196	14.180	(1.155)	6128226	113.377 E	118400
65	Pyrene	202	14.517	14.501	(0.882)	5866445	51.5472	53840
$ 66	Terphenyl-d14	244	14.928	14.934	(0.907)	37210	0.52006	543.2
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	16.440	16.424	(0.999)	5509094	53.9974	56400
* 69	Chrysene-d12	240	16.461	16.445	(1.000)	1351083	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	16.509	16.483	(1.003)	5894188	58.1363	60720
72	bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
* 134	Di-n-octylphthalate-d4	153	17.856	17.850	(1.000)	1560322	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	18.075	18.021	(0.975)	8310864	101.112 E	105600(M)
75	Benzo(k)fluoranthene	252	18.075	18.048	(0.975)	5700004	67.0632	70040(M)
76	Benzo(a)pyrene	252	18.481	18.427	(0.997)	7389523	93.4065 E	97560
* 77	Perylene-d12	264	18.545	18.507	(1.000)	1251971	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	19.869	19.827	(1.071)	4502802	46.7855	48870
79	Dibenzo(a,h)anthracene	278	19.902	19.875	(1.073)	1665354	17.6154	18400(M)
80	Benzo(g,h,i)perylene	276	20.147	20.099	(1.086)	3575650	35.4800	37060
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq33qdl2.d
Lab Smp Id: JQ33Q
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060808.b/SW846.m
Misc Info: 06-12939

Calibration Date: 08-AUG-2006
Calibration Time: 13:13
Client Smp ID: T4-S3-01-H
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	284616	142308	569232	270126	-5.09
27 Naphthalene-d8	977404	488702	1954808	882589	-9.70
42 Acenaphthene-d10	544393	272196	1088786	511660	-6.01
59 Phenanthrene-d10	824403	412202	1648806	823530	-0.11
69 Chrysene-d12	813838	406919	1627676	1351083	66.01
134 Di-n-octylphthala	1238353	619176	2476706	1560322	26.00
77 Perylene-d12	837816	418908	1675632	1251971	49.43

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.18	4.68	5.68	5.18	0.00
27 Naphthalene-d8	7.25	6.75	7.75	7.24	-0.08
42 Acenaphthene-d10	10.02	9.52	10.52	10.02	0.00
59 Phenanthrene-d10	12.29	11.79	12.79	12.29	0.00
69 Chrysene-d12	16.45	15.95	16.95	16.46	0.10
134 Di-n-octylphthala	17.85	17.35	18.35	17.86	0.03
77 Perylene-d12	18.51	18.01	19.01	18.54	0.20

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

Analytical Resources, Inc.

RECOVERY REPORT

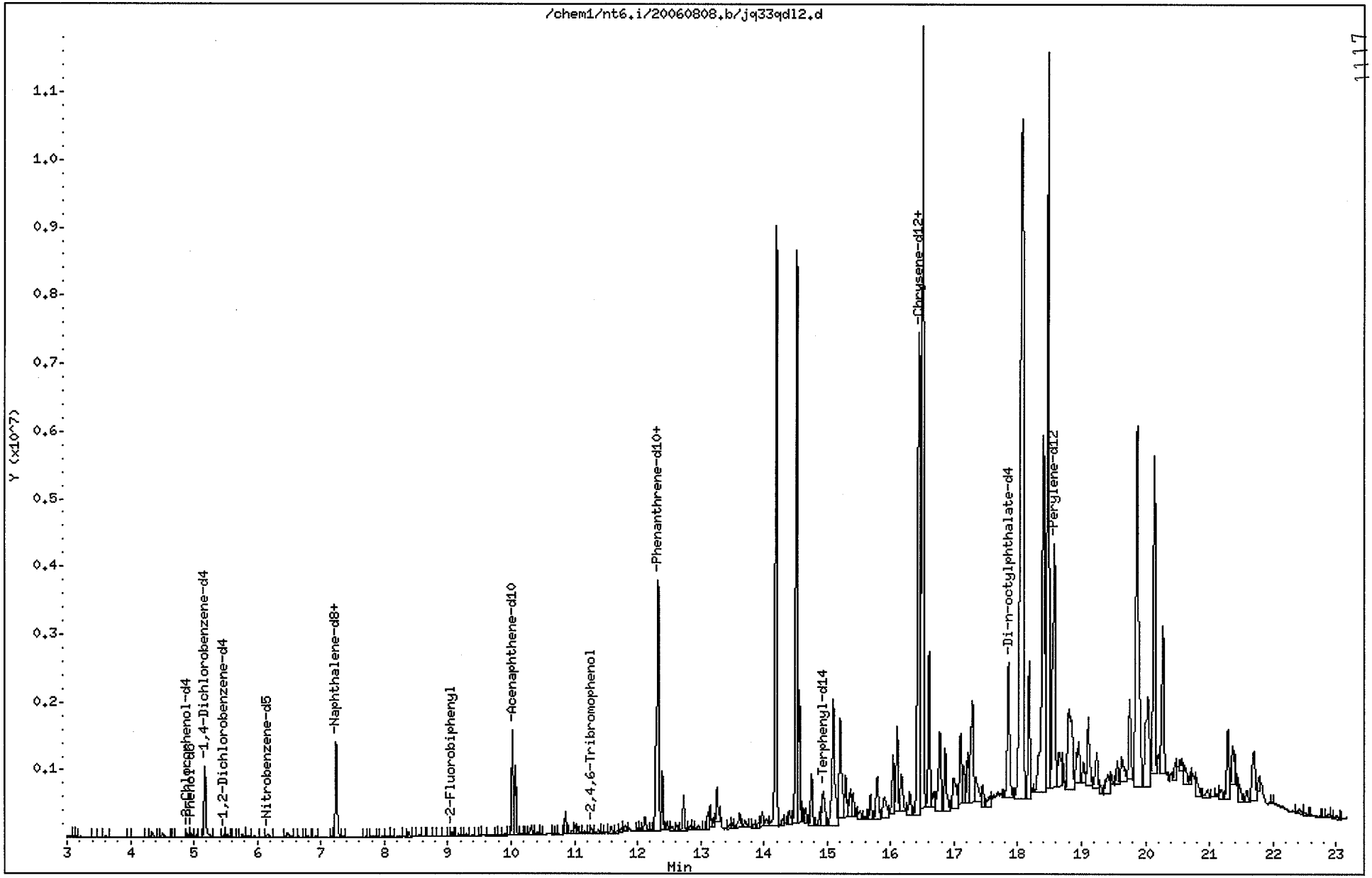
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ33Q
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060808.b/SW846.m
Misc Info: 06-12939

Client SDG: JQ33
Fraction: SV
Client Smp ID: T4-S3-01-H
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	1958	1121	57.25	22-91
$ 2 Phenol-d5	1958	1188	60.67	26-99
$ 5 2-Chlorophenol-d4	1958	1029	52.52	29-96
$ 10 1,2-Dichlorobenzen	1306	615.9	47.18	24-87
$ 18 Nitrobenzene-d5	1306	811.2	62.13	27-101
$ 36 2-Fluorobiphenyl	1306	735.1	56.30	30-100
$ 55 2,4,6-Tribromophen	1958	1048	53.51	20-114
$ 66 Terphenyl-d14	1306	543.2	41.61	12-120

Data File: /chem1/nt6.i/20060808.b/jq33qd12.d
Date : 09-AUG-2006 00:57
Client ID: T4-S3-01-H
Sample Info: JQ33Q,20
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



Semivolatile Organics
Standard Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ33

prepared
by

Analytical Resources, Inc.

6B

SEMIVOLATILE 8270-C INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Instrument ID: NT6 Calibration Date: 07/05/06

LAB FILE ID: RRF1 =0010705 RRF5 =0050705 RRF10 =0100705
RRF25 =0250705 RRF40 =0400705 RRF80 =0800705

COMPOUND	RRF 1	RRF 5	RRF 10	RRF 25	RRF 40	RRF 80	$\overline{RRF}$	%RSD /R^2	
Phenol	2.255	2.277	2.271	2.120	2.173	2.273	2.228	3.0	*
Bis(2-Chloroethyl)ether	1.530	1.673	1.711	1.623	1.660	1.748	1.658	4.6	
2-Chlorophenol	1.509	1.585	1.522	1.467	1.522	1.594	1.533	3.1	
1,3-Dichlorobenzene	1.689	1.660	1.723	1.606	1.619	1.703	1.667	2.8	
1,4-Dichlorobenzene	1.726	1.748	1.763	1.641	1.663	1.734	1.712	2.9	*
1,2-Dichlorobenzene	1.557	1.648	1.717	1.605	1.626	1.725	1.646	4.0	
Benzyl alcohol	0.970	1.050	1.122	1.045	1.067	1.115	1.062	5.2	
2,2'-oxybis(1-Chloropropane)	1.966	2.065	2.128	1.997	1.965	2.062	2.030	3.2	
2-Methylphenol	1.374	1.505	1.485	1.434	1.475	1.524	1.466	3.7	
Hexachloroethane	0.643	0.736	0.775	0.725	0.726	0.744	0.725	6.1	
N-Nitroso-di-n-propylamine	1.358	1.439	1.536	1.359	1.359	1.368	1.403	5.1	~
4-Methylphenol	1.527	1.535	1.499	1.447	1.501	1.564	1.512	2.7	
Nitrobenzene	0.581	0.625	0.639	0.581	0.576	0.565	0.594	5.0	
Isophorone	0.923	0.980	0.990	0.915	0.897	0.888	0.932	4.6	
2-Nitrophenol		0.215	0.217	0.213	0.221	0.227	0.219	2.6	*
2,4-Dimethylphenol	0.454	0.477	0.474	0.436	0.451	0.444	0.456	3.6	
Bis(2-Chloroethoxy)methane	0.525	0.520	0.540	0.509	0.508	0.514	0.519	2.3	
2,4-Dichlorophenol		0.335	0.335	0.320	0.333	0.342	0.333	2.4	*
1,2,4-Trichlorobenzene	0.397	0.384	0.394	0.370	0.368	0.392	0.384	3.2	
Naphthalene	1.250	1.233	1.249	1.185	1.193	1.184	1.216	2.6	
Benzoic acid		0.157	0.222	0.245	0.270	0.309	0.241	23.6	
4-Chloroaniline		0.494	0.498	0.479	0.483	0.498	0.490	1.8	
Hexachlorobutadiene	0.234	0.244	0.252	0.235	0.237	0.245	0.241	3.0	*
4-Chloro-3-methylphenol		0.378	0.384	0.369	0.376	0.374	0.376	1.4	*
2-Methylnaphthalene	0.675	0.665	0.680	0.631	0.640	0.654	0.658	3.0	
Hexachlorocyclopentadiene		0.161	0.220	0.281	0.301	0.371	0.267	29.9	~
2,4,6-Trichlorophenol		0.437	0.436	0.426	0.447	0.482	0.446	4.8	*
2,4,5-Trichlorophenol		0.431	0.442	0.461	0.484	0.497	0.463	6.0	
2-Chloronaphthalene	1.306	1.332	1.350	1.268	1.275	1.340	1.312	2.6	
2-Nitroaniline		0.571	0.560	0.506	0.522	0.517	0.535	5.4	
Acenaphthylene	1.942	2.038	2.104	1.999	2.034	2.053	2.028	2.7	
Dimethylphthalate	1.363	1.419	1.448	1.355	1.373	1.396	1.392	2.6	
2,6-Dinitrotoluene		0.316	0.321	0.313	0.308	0.328	0.317	2.5	
Acenaphthene	1.233	1.316	1.328	1.253	1.258	1.317	1.284	3.2	*
3-Nitroaniline		0.334	0.348	0.334	0.329	0.351	0.339	2.8	
2,4-Dinitrophenol		0.010	0.038	0.048	0.084	0.127	0.061	73.4	~
Dibenzofuran	1.809	1.813	1.806	1.707	1.704	1.762	1.767	2.9	

* Compounds with maximum %RSD = 30%
~ Compounds with minimum average RRF = .05
<- Outside QC limits

FORM VI SV-1

6C

SEMIVOLATILE 8270-C INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Instrument ID: NT6 Calibration Date: 07/05/06

LAB FILE ID: RRF1 =0010705 RRF5 =0050705 RRF10 =0100705
RRF25 =0250705 RRF40 =0400705 RRF80 =0800705

COMPOUND	RRF 1	RRF 5	RRF 10	RRF 25	RRF 40	RRF 80	$\overline{RRF}$	%RSD /R^2	
4-Nitrophenol		0.220	0.227	0.213	0.221	0.223	0.221	2.2	~
2,4-Dinitrotoluene		0.396	0.404	0.399	0.393	0.422	0.403	2.9	
Fluorene	1.387	1.451	1.461	1.413	1.416	1.472	1.433	2.3	
4-Chlorophenyl-phenylether	0.740	0.746	0.774	0.722	0.740	0.797	0.753	3.6	
Diethylphthalate	1.353	1.384	1.381	1.288	1.317	1.345	1.345	2.8	
4-Nitroaniline		0.302	0.297	0.293	0.292	0.304	0.298	1.8	
4,6-Dinitro-2-methylphenol		0.057	0.108	0.112	0.140	0.165	0.116	34.6	
N-Nitrosodiphenylamine (1)	0.665	0.693	0.714	0.672	0.670	0.708	0.687	3.0	
4-Bromophenyl-phenylether	0.276	0.280	0.285	0.278	0.276	0.290	0.281	2.1	
Hexachlorobenzene	0.300	0.292	0.297	0.288	0.288	0.300	0.294	1.8	
Pentachlorophenol		0.126	0.147	0.169	0.171	0.188	0.160	15.1	*
Phenanthrene	1.319	1.379	1.374	1.311	1.296	1.309	1.331	2.7	
Anthracene	1.328	1.340	1.380	1.326	1.311	1.335	1.337	1.8	
Carbazole	1.084	1.100	1.127	1.051	1.036	1.057	1.076	3.2	
Di-n-butylphthalate	1.175	1.328	1.347	1.297	1.291	1.295	1.289	4.7	
Fluoranthene	1.258	1.326	1.334	1.321	1.295	1.341	1.312	2.4	*
Pyrene	1.761	1.761	1.780	1.611	1.624	1.570	1.684	5.5	
Butylbenzylphthalate	0.578	0.659	0.668	0.623	0.618	0.605	0.625	5.4	
Benzo(a)anthracene	1.545	1.559	1.576	1.469	1.450	1.463	1.510	3.7	
3,3'-Dichlorobenzidine		0.561	0.562	0.540	0.522	0.538	0.545	3.1	
Chrysene	1.541	1.512	1.542	1.460	1.477	1.473	1.501	2.4	
bis(2-Ethylhexyl)phthalate	0.436	0.502	0.539	0.517	0.514	0.522	0.505	7.1	
Di-n-octylphthalate	1.005	1.002	0.998	0.934	0.902	0.890	0.955	5.5	*
Benzo(b)fluoranthene	1.189	1.274	1.317	1.342	1.306	1.450	1.313	6.5	
Benzo(k)fluoranthene	1.286	1.392	1.448	1.340	1.417	1.262	1.358	5.5	
Benzo(a)pyrene	1.192	1.265	1.269	1.262	1.292	1.302	1.264	3.0	*
Indeno(1,2,3-cd)pyrene	1.555	1.398	1.532	1.522	1.639	1.580	1.538	5.2	
Dibenzo(a,h)anthracene	1.343	1.433	1.568	1.538	1.614	1.566	1.510	6.8	
Benzo(g,h,i)perylene	1.480	1.554	1.700	1.622	1.703	1.600	1.610	5.3	
N-Nitrosodimethylamine		1.096	1.142	1.068	1.028	1.060	1.079	4.0	
Aniline		2.775	2.644	2.590	2.536	2.607	2.630	3.4	
Benzidine		0.857	0.470	0.590	0.501	0.478	0.579	28.0	
Pyridine		2.244	2.301	2.154	2.126	2.227	2.210	3.2	
1-methylnaphthalene	0.676	0.692	0.711	0.677	0.676	0.691	0.687	2.0	
Azobenzene (1,2-DP-Hydrazine	1.800	2.077	2.050	1.938	1.965	1.912	1.957	5.1	
2-Fluorophenol		1.481	1.485	1.450	1.458	1.506	1.476	1.5	

(1) Cannot be seperated from Diphenylamine
* Compounds with maximum %RSD = 30%
~ Compounds with minimum average RRF = .05
<- Outside QC limits

FORM VI SV-2

SEMIVOLATILE 8270-C INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Instrument ID: NT6 Calibration Date: 07/05/06

LAB FILE ID: RRF1 =0010705 RRF5 =0050705 RRF10 =0100705
RRF25 =0250705 RRF40 =0400705 RRF80 =0800705

COMPOUND	RRF 1	RRF 5	RRF 10	RRF 25	RRF 40	RRF 80	$\overline{RRF}$	%RSD /R^2
Phenol-d5		1.795	1.842	1.723	1.759	1.821	1.788	2.7
2-Chlorophenol-d4		1.502	1.494	1.456	1.508	1.622	1.516	4.1
1,2-Dichlorobenzene-d4		0.997	0.990	0.929	0.953	1.018	0.977	3.6
Nitrobenzene-d5		0.562	0.573	0.516	0.532	0.524	0.541	4.6
2-Fluorobiphenyl		1.508	1.530	1.413	1.493	1.521	1.493	3.1
2,4,6-Tribromophenol		0.186	0.185	0.190	0.193	0.208	0.192	4.8
Terphenyl-d14		1.106	1.114	1.015	1.038	1.022	1.059	4.5

* Compounds with maximum %RSD = 30%
~ Compounds with minimum average RRF = .05
<- Outside QC limits

FORM VI SV-3

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 05-JUL-2006 10:16
End Cal Date : 05-JUL-2006 12:49
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060705.b/SW846.m
Cal Date : 05-Jul-2006 13:24 jeff
Curve Type : Average

Calibration File Names:
Level 1: /chem1/nt6.i/20060705.b/0010705.d
Level 2: /chem1/nt6.i/20060705.b/0050705.d
Level 3: /chem1/nt6.i/20060705.b/0100705.d
Level 4: /chem1/nt6.i/20060705.b/0250705.d
Level 5: /chem1/nt6.i/20060705.b/0400705.d
Level 6: /chem1/nt6.i/20060705.b/0800705.d

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	___ RRF	% RSD	
145 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
147 4,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
148 Dieldrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
149 TCMX	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
150 DCBP	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 Diallate A	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 Diallate B	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
142 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 2,3,5,6-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
136 2,3,4,5-tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
133 Butylatedhydroxytoluene	1.16633	1.20526	1.02174	1.11736	1.12487	1.15714	1.13212	5.530	
132 3,6-Dimethylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
127 2-Isopropylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Analytical Resources, Inc.

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Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060705.b/SW846.m
Cal Date : 05-Jul-2006 13:24 jeff
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	___ RRF	% RSD	
144 alpha-Terpineol	0.36532	0.38065	0.37463	0.35370	0.36305	0.35783	0.36586	2.777	
125 Safrole	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
124 3,4-Dimethylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
123 Acetophenone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
122 Furfuraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
143 1,4-Dioxane	0.74741	0.73752	0.74671	0.74954	0.74141	0.78792	0.75175	2.429	
121 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
120 2,3,4,6-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
119 7,12-Dimethylbenz(a)anthracen	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
118 Triphenyl Phosphate	0.24682	0.25114	0.24027	0.22986	0.22666	0.23704	0.23863	3.971	
117 Butyl Diphenyl Phosphate	0.27496	0.29049	0.31577	0.27863	0.28837	0.27868	0.28782	5.205	
116 Dibutyl Phenyl Phosphate	0.67735	0.78317	0.81427	0.78007	0.80424	0.82974	0.78147	6.955	
115 Tributyl Phosphate	0.89945	1.02971	1.07968	0.99454	1.00995	1.01361	1.00449	5.896	
114 Beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
113 Diphenyl Oxide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
112 Biphenyl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
111 Azobenzene (1,2-DP-Hydrazine)	1.79952	2.07689	2.05033	1.93763	1.96508	1.91169	1.95685	5.129	
110 Tetrachloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
109 3,4,5-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
108 4,5,6-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
107 4,5-Dichloro-2-Methoxyphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
106 Guaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 1-methylnaphthalene	0.67657	0.69191	0.71130	0.67740	0.67592	0.69141	0.68742	2.012	
3 Phenol	2.25530	2.27726	2.27082	2.11981	2.17335	2.27271	2.22821	2.956	
4 Bis(2-Chloroethyl)ether	1.53058	1.67293	1.71143	1.62346	1.66054	1.74847	1.65790	4.570	
6 2-Chlorophenol	1.50896	1.58481	1.52204	1.46702	1.52205	1.59411	1.53316	3.140	
7 1,3-Dichlorobenzene	1.68891	1.66046	1.72301	1.60566	1.61871	1.70287	1.66660	2.819	
9 1,4-Dichlorobenzene	1.72648	1.74775	1.76293	1.64083	1.66312	1.73456	1.71261	2.866	
11 Benzyl alcohol	0.97050	1.05059	1.12196	1.04466	1.06713	1.11469	1.06159	5.194	

Analytical Resources, Inc.

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Integrator : HP RTE
Method file : /chem1/nt6.i/20060705.b/SW846.m
Cal Date : 05-Jul-2006 13:24 jeff
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	___ RRF	% RSD
12 1,2-Dichlorobenzene	1.55681	1.64839	1.71742	1.60531	1.62642	1.72475	1.64652	3.964
13 2-Methylphenol	1.37375	1.50484	1.48513	1.43398	1.47462	1.52422	1.46609	3.720
14 2,2'-oxybis(1-Chloropropane)	1.96563	2.06493	2.12824	1.99677	1.96511	2.06206	2.03046	3.219
15 4-Methylphenol	1.52662	1.53482	1.49867	1.44664	1.50077	1.56449	1.51200	2.656
16 N-Nitroso-di-n-propylamine	1.35780	1.43944	1.53558	1.35913	1.35937	1.36775	1.40318	5.141
17 Hexachloroethane	0.64326	0.73563	0.77492	0.72506	0.72658	0.74450	0.72499	6.066
19 Nitrobenzene	0.58089	0.62470	0.63869	0.58104	0.57576	0.56550	0.59443	5.004
20 Isophorone	0.92284	0.98024	0.99025	0.91531	0.89727	0.88794	0.93231	4.608
21 2-Nitrophenol	+++++	0.21505	0.21725	0.21297	0.22080	0.22732	0.21868	2.577
22 2,4-Dimethylphenol	0.45375	0.47734	0.47429	0.43646	0.45110	0.44395	0.45615	3.597
23 Bis(2-Chloroethoxy)methane	0.52502	0.52050	0.53992	0.50927	0.50792	0.51374	0.51940	2.311
24 Benzoic acid	+++++	0.15695	0.22217	0.24538	0.27010	0.30918	0.24076	23.619
25 2,4-Dichlorophenol	+++++	0.33496	0.33543	0.32021	0.33310	0.34171	0.33308	2.370
26 1,2,4-Trichlorobenzene	0.39669	0.38433	0.39350	0.37044	0.36770	0.39229	0.38416	3.229
28 Naphthalene	1.25015	1.23334	1.24943	1.18525	1.19316	1.18372	1.21584	2.625
29 4-Chloroaniline	+++++	0.49377	0.49803	0.47891	0.48347	0.49763	0.49036	1.771
30 Hexachlorobutadiene	0.23368	0.24451	0.25213	0.23530	0.23702	0.24550	0.24135	2.974
31 4-Chloro-3-methylphenol	+++++	0.37793	0.38416	0.36921	0.37576	0.37439	0.37629	1.447
32 2-Methylnaphthalene	0.67502	0.66502	0.68021	0.63117	0.63990	0.65426	0.65760	2.959
33 Hexachlorocyclopentadiene	+++++	0.16125	0.22054	0.28109	0.30107	0.37094	0.26698	29.908
34 2,4,6-Trichlorophenol	+++++	0.43662	0.43554	0.42654	0.44685	0.48175	0.44546	4.833
35 2,4,5-Trichlorophenol	+++++	0.43097	0.44198	0.46083	0.48389	0.49706	0.46295	5.984
37 2-Chloronaphthalene	1.30570	1.33178	1.35045	1.26801	1.27507	1.34032	1.31189	2.643
38 2-Nitroaniline	+++++	0.57131	0.56002	0.50571	0.52256	0.51673	0.53527	5.359
39 Dimethylphthalate	1.36278	1.41881	1.44777	1.35476	1.37275	1.39632	1.39220	2.582
40 Acenaphthylene	1.94201	2.03849	2.10399	1.99917	2.03423	2.05285	2.02846	2.679
41 2,6-Dinitrotoluene	+++++	0.31591	0.32150	0.31301	0.30813	0.32836	0.31738	2.463
43 3-Nitroaniline	+++++	0.33449	0.34765	0.33423	0.32898	0.35074	0.33922	2.781
44 Acenaphthene	1.23341	1.31583	1.32773	1.25303	1.25830	1.31740	1.28428	3.157

Analytical Resources, Inc.

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End Cal Date : 05-JUL-2006 12:49
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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060705.b/SW846.m
Cal Date : 05-Jul-2006 13:24 jeff
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	___ RRF	% RSD	
45 2,4-Dinitrophenol	+++++	0.01037	0.03824	0.04791	0.08435	0.12713	0.06160	73.364	<-
46 Dibenzofuran	1.80919	1.81339	1.80643	1.70690	1.70361	1.76251	1.76701	2.901	
47 4-Nitrophenol	+++++	0.21998	0.22667	0.21342	0.22101	0.22265	0.22075	2.185	
48 2,4-Dinitrotoluene	+++++	0.39572	0.40352	0.39864	0.39334	0.42213	0.40267	2.861	
49 Fluorene	1.38670	1.45091	1.46097	1.41335	1.41600	1.47238	1.43339	2.308	
50 Diethylphthalate	1.35277	1.38412	1.38141	1.28793	1.31688	1.34497	1.34468	2.775	
51 4-Chlorophenyl-phenylether	0.73959	0.74560	0.77400	0.72186	0.74014	0.79668	0.75298	3.622	
52 4-Nitroaniline	+++++	0.30249	0.29684	0.29282	0.29252	0.30414	0.29776	1.806	
53 4,6-Dinitro-2-methylphenol	+++++	0.05725	0.10820	0.11162	0.14003	0.16468	0.11636	34.586	
54 N-Nitrosodiphenylamine	0.66522	0.69311	0.71373	0.67160	0.67020	0.70764	0.68692	3.034	
56 4-Bromophenyl-phenylether	0.27552	0.27952	0.28500	0.27832	0.27578	0.29027	0.28074	2.065	
57 Hexachlorobenzene	0.29956	0.29231	0.29736	0.28808	0.28822	0.29979	0.29422	1.841	
58 Pentachlorophenol	+++++	0.12553	0.14743	0.16906	0.17128	0.18793	0.16025	15.078	
60 Phenanthrene	1.31938	1.37941	1.37371	1.31103	1.29590	1.30910	1.33142	2.690	
61 Anthracene	1.32801	1.33977	1.38051	1.32561	1.31114	1.33475	1.33663	1.766	
62 Carbazole	1.08376	1.10045	1.12734	1.05123	1.03588	1.05726	1.07599	3.184	
63 Di-n-butylphthalate	1.17502	1.32792	1.34747	1.29713	1.29064	1.29488	1.28884	4.659	
64 Fluoranthene	1.25845	1.32641	1.33412	1.32139	1.29477	1.34093	1.31268	2.357	
65 Pyrene	1.76121	1.76140	1.78002	1.61136	1.62434	1.56976	1.68468	5.508	
67 Butylbenzylphthalate	0.57812	0.65870	0.66806	0.62279	0.61798	0.60505	0.62512	5.373	
68 Benzo(a)anthracene	1.54475	1.55908	1.57590	1.46893	1.44966	1.46332	1.51027	3.683	
70 3,3'-Dichlorobenzidine	+++++	0.56132	0.56182	0.54004	0.52164	0.53843	0.54465	3.129	
71 Chrysene	1.54130	1.51191	1.54166	1.45973	1.47693	1.47332	1.50081	2.392	
72 bis(2-Ethylhexyl)phthalate	0.43602	0.50254	0.53885	0.51674	0.51424	0.52150	0.50498	7.088	
73 Di-n-octylphthalate	1.00491	1.00188	0.99837	0.93457	0.90207	0.88982	0.95527	5.547	
74 Benzo(b)fluoranthene	1.18894	1.27429	1.31729	1.34217	1.30593	1.44966	1.31305	6.505	
75 Benzo(k)fluoranthene	1.28646	1.39242	1.44808	1.34014	1.41730	1.26224	1.35777	5.454	
76 Benzo(a)pyrene	1.19231	1.26536	1.26935	1.26184	1.29157	1.30231	1.26379	3.045	
78 Indeno(1,2,3-cd)pyrene	1.55462	1.39752	1.53205	1.52154	1.63883	1.58026	1.53747	5.225	

BB 7/5/06

Analytical Resources, Inc.

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Curve Type : Average

	Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	RRF	% RSD	
	79 Dibenzo(a,h)anthracene	1.34297	1.43280	1.56768	1.53758	1.61458	1.56591	1.51025	6.753	
	80 Benzo(g,h,i)perylene	1.48010	1.55420	1.70000	1.62187	1.70337	1.60005	1.60993	5.347	
	90 N-Nitrosodimethylamine	+++++	1.09652	1.14171	1.06853	1.02760	1.06053	1.07898	3.968	
	91 Aniline	+++++	2.77542	2.64442	2.59048	2.53612	2.60727	2.63074	3.413	
	92 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	93 Benzidine	+++++	0.85703	0.46998	0.59003	0.50121	0.47815	0.57928	28.040	
	96 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	98 Retene	0.73683	0.75526	0.77150	0.70007	0.71262	0.70080	0.72951	4.092	
	99 Perylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	103 Pyridine	+++++	2.24351	2.30132	2.15422	2.12573	2.22704	2.21036	3.196	
$	1 2-Fluorophenol	+++++	1.48075	1.48462	1.45005	1.45801	1.50559	1.47580	1.503	
$	137 d8-1,4-Dioxane	+++++	0.70062	0.71819	0.71555	0.70284	0.76299	0.72004	3.501	
$	2 Phenol-d5	+++++	1.79546	1.84208	1.72334	1.75887	1.82119	1.78819	2.669	
$	5 2-Chlorophenol-d4	+++++	1.50160	1.49365	1.45583	1.50840	1.62172	1.51624	4.114	
$	10 1,2-Dichlorobenzene-d4	+++++	0.99673	0.98999	0.92921	0.95327	1.01784	0.97741	3.643	
$	18 Nitrobenzene-d5	+++++	0.56202	0.57291	0.51647	0.53168	0.52403	0.54142	4.558	
$	36 2-Fluorobiphenyl	+++++	1.50859	1.53041	1.41349	1.49344	1.52076	1.49334	3.129	
$	55 2,4,6-Tribromophenol	+++++	0.18567	0.18521	0.19020	0.19282	0.20768	0.19232	4.762	
$	66 Terphenyl-d14	+++++	1.10604	1.11388	1.01488	1.03847	1.02240	1.05913	4.462	
$	85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$	86 Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$	87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$	88 Dibenz(a,h)anthracene-d14	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$	89 Diphenyl-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Analytical Resources, Inc.

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Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	___ RRF	% RSD	
$ 95 D10-1-methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060705.b/0010705.d
Lab Smp Id: ABN 1
Inj Date : 05-JUL-2006 11:17
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 1
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060705.b/SW846.m
Meth Date : 05-Jul-2006 13:42 jeff Quant Type: ISTD
Cal Date : 05-JUL-2006 12:49 Cal File: 0100705.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LTK 7/5/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1	2-Fluorophenol	112	4.548	4.548	(0.703)	13368	1.00000	0.9697
$ 2	Phenol-d5	99	6.130	6.134	(0.947)	15266	1.00000	0.9139
3	Phenol	94	6.146	6.150	(0.950)	21068	1.00000	1.012 (M)
$ 5	2-Chlorophenol-d4	132	6.188	6.188	(0.956)	13050	1.00000	0.9213 (M)
4	Bis(2-Chloroethyl)ether	93	6.183	6.188	(0.955)	14298	1.00000	0.9232
6	2-Chlorophenol	128	6.204	6.209	(0.959)	14096	1.00000	0.9842
7	1,3-Dichlorobenzene	146	6.407	6.407	(0.990)	15777	1.00000	1.013
* 8	1,4-Dichlorobenzene-d4	152	6.472	6.476	(1.000)	186831	20.0000	
9	1,4-Dichlorobenzene	146	6.498	6.497	(1.004)	16128	1.00000	1.008
$ 10	1,2-Dichlorobenzene-d4	152	6.765	6.765	(1.045)	8481	1.00000	0.9289 (M)
12	1,2-Dichlorobenzene	146	6.787	6.786	(1.049)	14543	1.00000	0.9455
11	Benzyl alcohol	108	6.787	6.791	(1.049)	9066	1.00000	0.9142
14	2,2'-oxybis(1-Chloropropane)	45	7.054	7.058	(1.090)	18362	1.00000	0.9681
13	2-Methylphenol	108	7.059	7.064	(1.091)	12833	1.00000	0.9370
17	Hexachloroethane	117	7.262	7.267	(1.122)	6009	1.00000	0.8873
16	N-Nitroso-di-n-propylamine	70	7.262	7.267	(1.122)	12684	1.00000	0.9677
15	4-Methylphenol	108	7.300	7.299	(1.128)	14261	1.00000	1.010
$ 18	Nitrobenzene-d5	82	7.396	7.400	(0.871)	16854	1.00000	0.9804
19	Nitrobenzene	77	7.428	7.427	(0.875)	18445	1.00000	0.9772
20	Isophorone	82	7.818	7.817	(0.921)	29303	1.00000	0.9898
21	2-Nitrophenol	139	7.946	7.945	(0.936)	6071	1.00000	0.8743
22	2,4-Dimethylphenol	107	8.117	8.116	(0.956)	14408	1.00000	0.9947
23	Bis(2-Chloroethoxy)methane	93	8.245	8.250	(0.971)	16671	1.00000	1.011
24	Benzoic acid	105	8.304	8.340	(0.978)	2173	5.00000	0.2842 (M)
25	2,4-Dichlorophenol	162	8.341	8.340	(0.982)	9619	1.00000	0.9095
26	1,2,4-Trichlorobenzene	180	8.448	8.447	(0.995)	12596	1.00000	1.033
* 27	Naphthalene-d8	136	8.491	8.490	(1.000)	635059	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	8.518	8.522	(1.003)	39696	1.00000	1.028
	29 4-Chloroaniline	127	8.694	8.698	(1.024)	14992	1.00000	0.9629
	30 Hexachlorobutadiene	225	8.865	8.869	(1.044)	7420	1.00000	0.9682
	31 4-Chloro-3-methylphenol	107	9.554	9.553	(1.125)	11546	1.00000	0.9663
	32 2-Methylnaphthalene	141	9.634	9.639	(1.135)	21434	1.00000	1.027
	33 Hexachlorocyclopentadiene	237	10.029	10.029	(0.887)	873	1.00000	0.1850
	34 2,4,6-Trichlorophenol	196	10.174	10.167	(0.899)	6486	1.00000	0.8236
	35 2,4,5-Trichlorophenol	196	10.232	10.226	(0.905)	7894	1.00000	0.9645
$	36 2-Fluorobiphenyl	172	10.297	10.296	(0.910)	26043	1.00000	0.9865
	37 2-Chloronaphthalene	162	10.398	10.397	(0.919)	23083	1.00000	0.9953
	38 2-Nitroaniline	65	10.649	10.654	(0.941)	8673	1.00000	0.9165
	39 Dimethylphthalate	163	11.055	11.060	(0.977)	24092	1.00000	0.9789
	40 Acenaphthylene	152	11.055	11.060	(0.977)	34332	1.00000	0.9574
	41 2,6-Dinitrotoluene	165	11.130	11.134	(0.984)	4812	1.00000	0.8576
*	42 Acenaphthene-d10	164	11.312	11.316	(1.000)	353572	20.0000	
	43 3-Nitroaniline	138	11.322	11.327	(1.001)	5426	1.00000	0.9048
	44 Acenaphthene	153	11.360	11.364	(1.004)	21805	1.00000	0.9604
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	11.621	11.626	(1.027)	31984	1.00000	1.024
	47 4-Nitrophenol	109	11.723	11.701	(1.036)	1623	1.00000	0.4159
	48 2,4-Dinitrotoluene	165	11.744	11.743	(1.038)	5895	1.00000	0.8281
	50 Diethylphthalate	149	12.204	12.208	(1.079)	23915	1.00000	1.006
	49 Fluorene	166	12.166	12.171	(1.076)	24515	1.00000	0.9674
	51 4-Chlorophenyl-phenylether	204	12.236	12.230	(1.082)	13075	1.00000	0.9822
	52 4-Nitroaniline	138	12.305	12.304	(1.088)	4509	1.00000	0.8566
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	12.439	12.443	(0.912)	17270	1.00000	0.9684
$	55 2,4,6-Tribromophenol	330	12.594	12.593	(1.113)	2547	1.00000	0.7491
	56 4-Bromophenyl-phenylether	248	12.994	12.993	(0.952)	7153	1.00000	0.9814
	57 Hexachlorobenzene	284	13.187	13.180	(0.966)	7777	1.00000	1.018
	58 Pentachlorophenol	266	13.539	13.496	(0.992)	155	1.00000	0.03726 (M)
*	59 Phenanthrene-d10	188	13.646	13.645	(1.000)	519227	20.0000	
	60 Phenanthrene	178	13.678	13.683	(1.002)	34253	1.00000	0.9910
	61 Anthracene	178	13.748	13.752	(1.007)	34477	1.00000	0.9936
	62 Carbazole	167	14.057	14.057	(1.030)	28136	1.00000	1.007
	63 Di-n-butylphthalate	149	14.843	14.842	(1.088)	30505	1.00000	0.9117
	64 Fluoranthene	202	15.585	15.584	(1.142)	32671	1.00000	0.9587
	65 Pyrene	202	15.922	15.926	(0.890)	37240	1.00000	1.045
$	66 Terphenyl-d14	244	16.296	16.300	(0.910)	23077	1.00000	1.030
	67 Butylbenzylphthalate	149	17.220	17.219	(0.962)	12224	1.00000	0.9248
	68 Benzo(a)anthracene	228	17.872	17.876	(0.998)	32663	1.00000	1.023
*	69 Chrysene-d12	240	17.898	17.898	(1.000)	422891	20.0000	
	70 3,3'-Dichlorobenzidine	252	17.925	17.930	(1.001)	11491	1.00000	0.9978
	71 Chrysene	228	17.930	17.935	(1.002)	32590	1.00000	1.027
	72 bis(2-Ethylhexyl)phthalate	149	18.246	18.245	(0.952)	16430	1.00000	0.8634
*	134 Di-n-octylphthalate-d4	153	19.170	19.174	(1.000)	753636	20.0000	
	73 Di-n-octylphthalate	149	19.181	19.180	(1.001)	37867	1.00000	1.052

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	19.501	19.506	(0.974)	33199	1.00000	0.9055
75	Benzo(k)fluoranthene	252	19.538	19.538	(0.976)	35922	1.00000	0.9475
76	Benzo(a)pyrene	252	19.939	19.938	(0.996)	33293	1.00000	0.9434
* 77	Perylene-d12	264	20.019	20.024	(1.000)	558463	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.355	21.359	(1.067)	43410	1.00000	1.011 (M)
79	Dibenzo(a,h)anthracene	278	21.387	21.391	(1.068)	37500	1.00000	0.8892 (M)
80	Benzo(g,h,i)perylene	276	21.638	21.648	(1.081)	41329	1.00000	0.9194 (M)
90	N-Nitrosodimethylamine	74	2.027	2.026	(0.313)	9807	1.00000	0.9730 (M)
103	Pyridine	79	2.027	2.010	(0.313)	18204	1.00000	0.8816 (M)
91	Aniline	93	6.044	6.049	(0.934)	24443	1.00000	0.9946
105	1-methylnaphthalene	141	9.800	9.799	(1.154)	21483	1.00000	0.9842
93	Benzidine	184	15.884	15.878	(0.887)	16576	1.00000	1.353
98	Retene	219	16.525	16.525	(0.923)	15580	1.00000	1.010
111	Azobenzene (1,2-DP-Hydrazine)	77	12.471	12.475	(1.102)	31813	1.00000	0.9196
144	alpha-Terpineol	59	8.587	8.592	(1.011)	11600	1.00000	0.9985
143	1,4-Dioxane	88	1.626	1.625	(0.251)	6982	1.00000	0.9942
$ 137	d8-1,4-Dioxane	96	1.600	1.593	(0.247)	6522	1.00000	0.9696
133	Butylatedhydroxytoluene	205	11.557	11.556	(1.022)	20619	1.00000	1.030
115	Tributyl Phosphate	99	12.599	12.603	(0.923)	23351	1.00000	0.8954
116	Dibutyl Phenyl Phosphate	175	14.292	14.297	(1.047)	17585	1.00000	0.8668
117	Butyl Diphenyl Phosphate	94	15.943	15.942	(0.891)	5814	1.00000	0.9553
118	Triphenyl Phosphate	326	17.508	17.513	(0.978)	5219	1.00000	1.034

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0010705.d
Lab Smp Id: ABN 1
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060705.b/SW846.m
Misc Info:

Calibration Date: 05-JUL-2006
Calibration Time: 10:16
Level:
Sample Type:

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	200696	100348	401392	186831	-6.91
27 Naphthalene-d8	684917	342458	1369834	635059	-7.28
42 Acenaphthene-d10	379750	189875	759500	353572	-6.89
59 Phenanthrene-d10	559641	279820	1119282	519227	-7.22
69 Chrysene-d12	488455	244228	976910	422891	-13.42
134 Di-n-octylphthala	797584	398792	1595168	753636	-5.51
77 Perylene-d12	578815	289408	1157630	558463	-3.52

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.47	5.97	6.97	6.47	-0.02
27 Naphthalene-d8	8.49	7.99	8.99	8.49	-0.01
42 Acenaphthene-d10	11.32	10.82	11.82	11.31	-0.06
59 Phenanthrene-d10	13.65	13.15	14.15	13.65	-0.01
69 Chrysene-d12	17.90	17.40	18.40	17.90	-0.04
134 Di-n-octylphthala	19.18	18.68	19.68	19.17	-0.03
77 Perylene-d12	20.02	19.52	20.52	20.02	-0.01

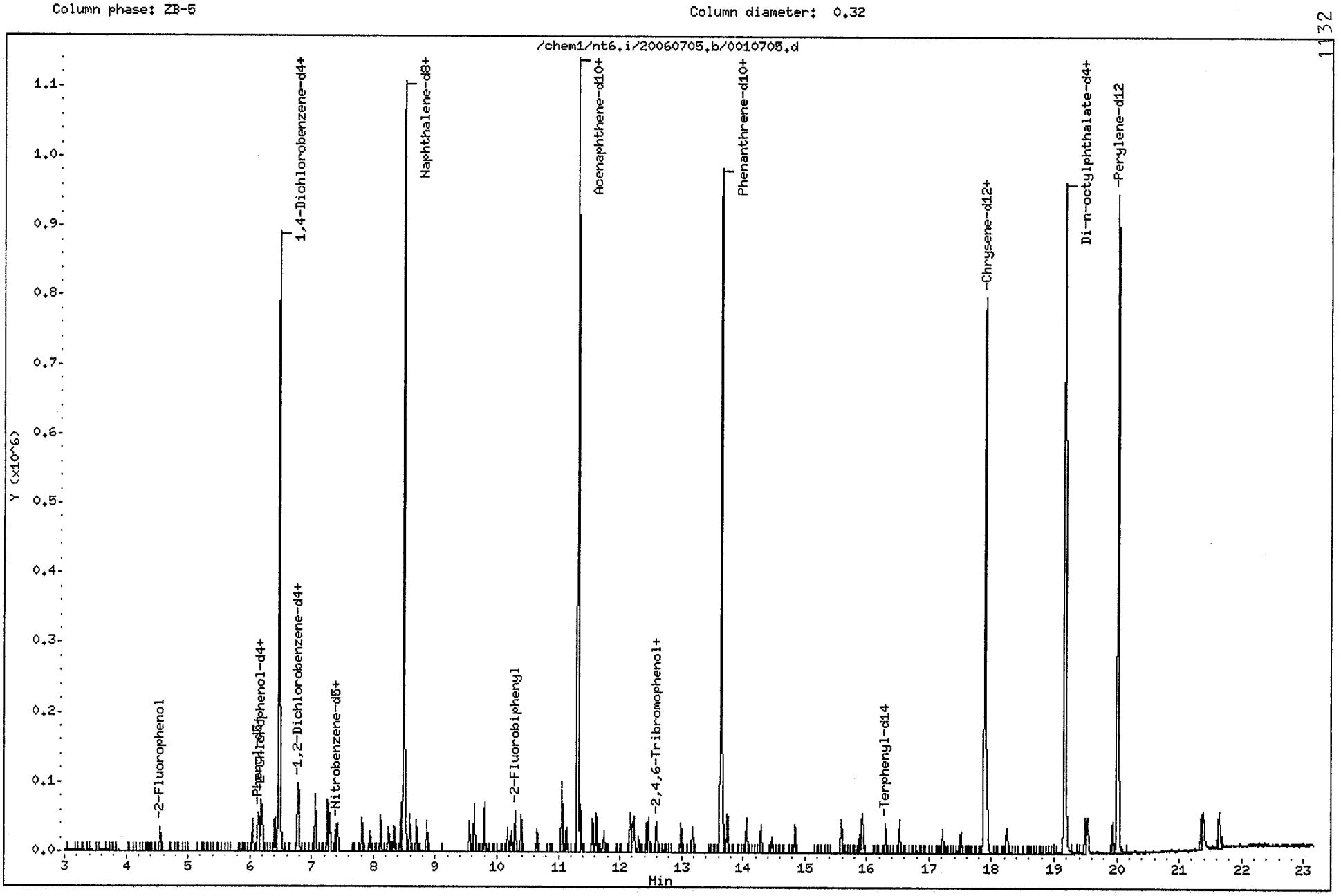
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060705.b/0010705.d
Date : 05-JUL-2006 11:17
Client ID:
Sample Info: ABN 1

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32

Column phase: ZB-5



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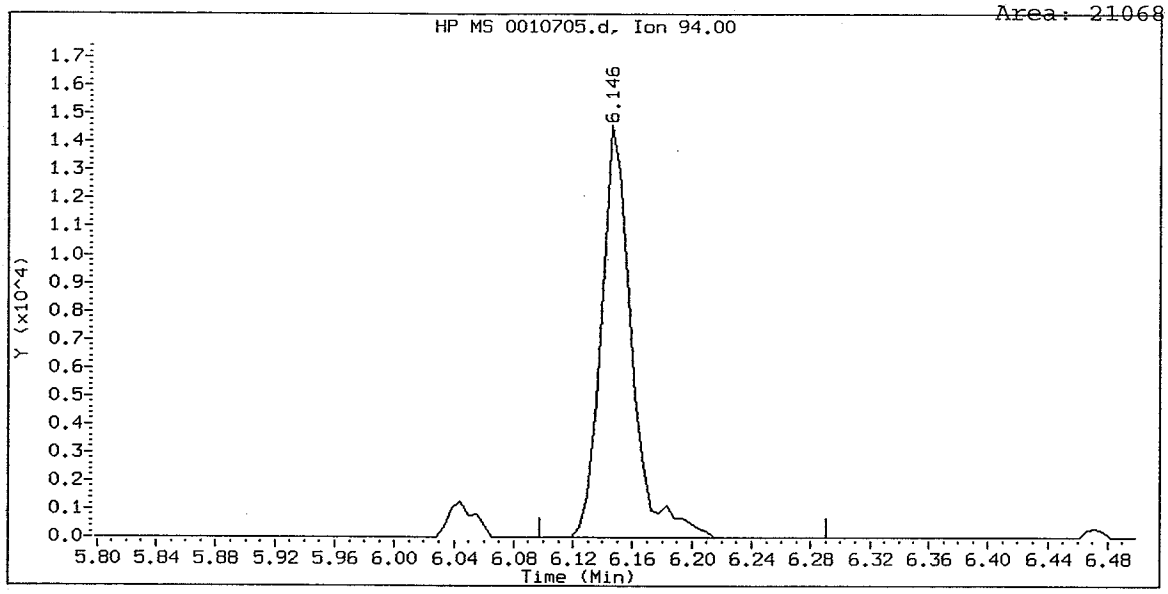
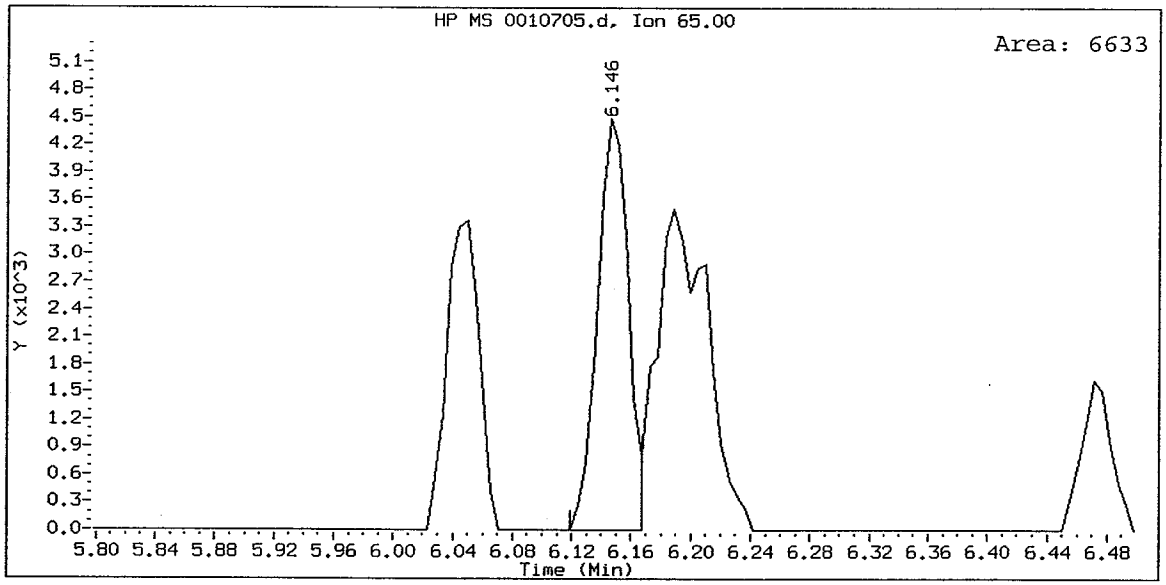
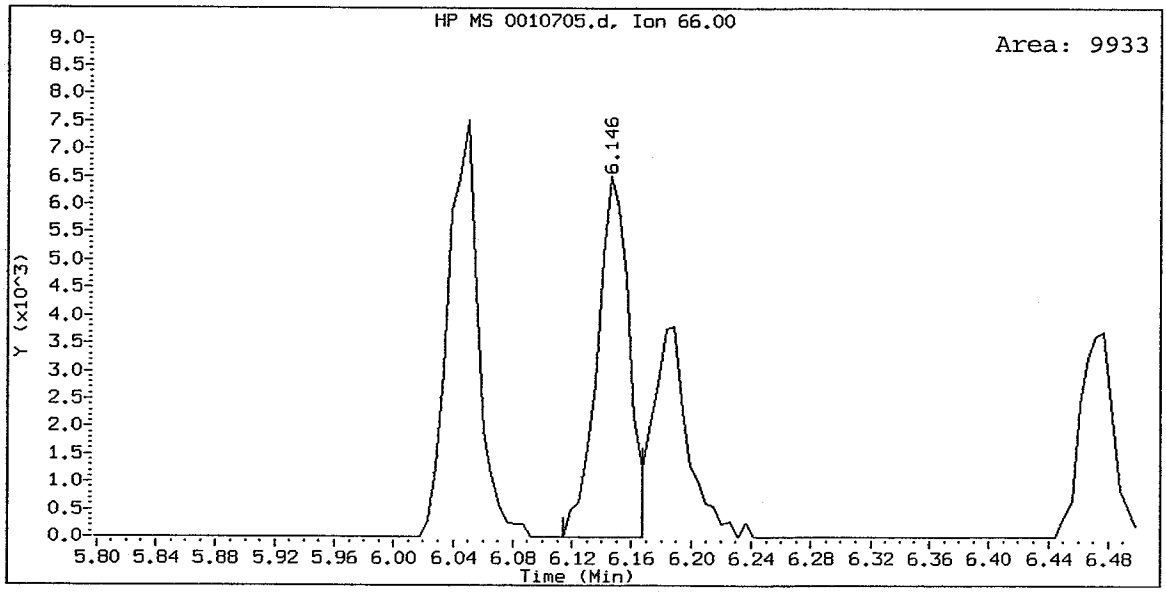
Phenol Amount: 1.01







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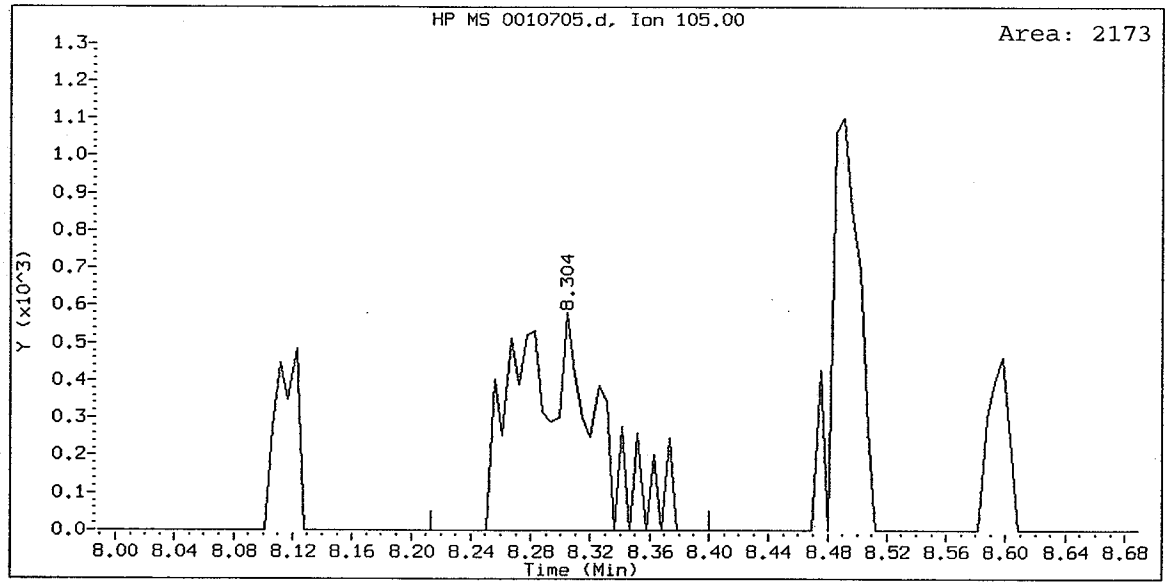
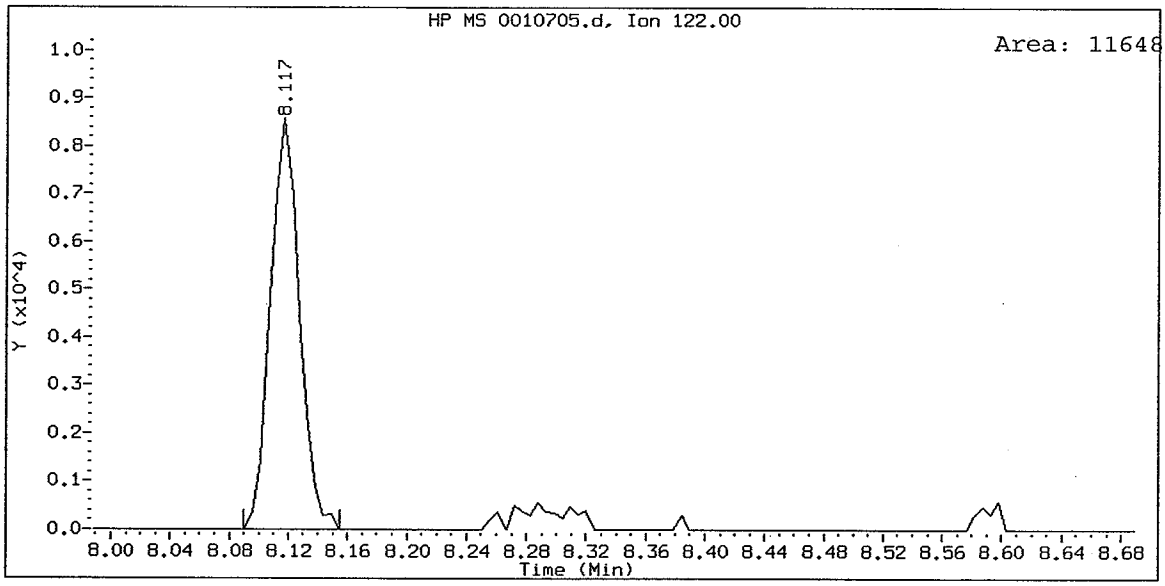
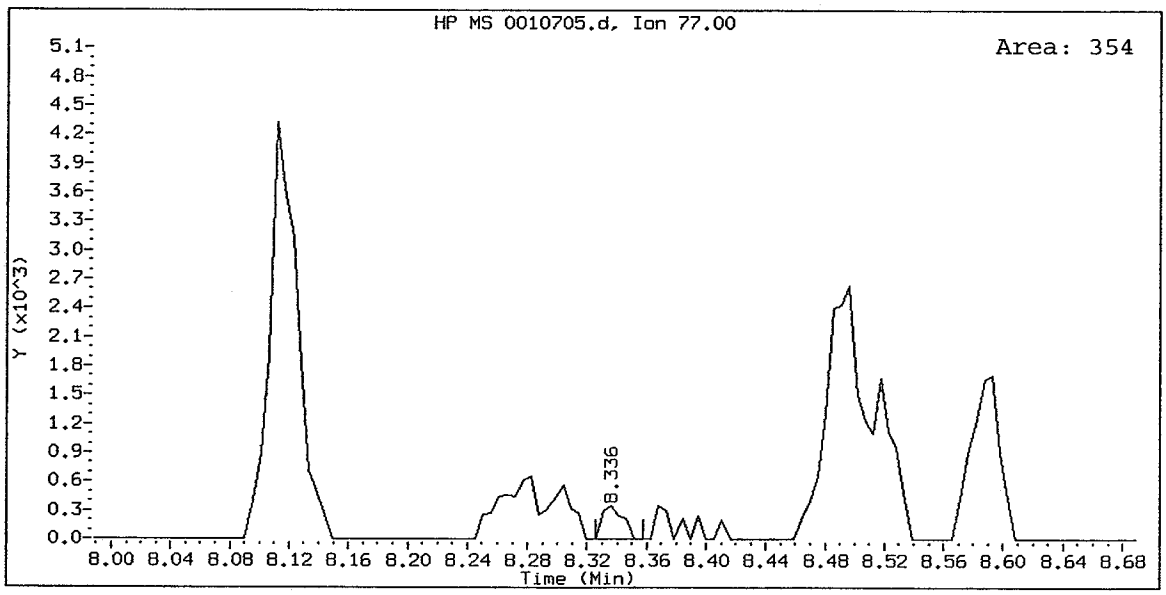
Benzoic acid Amount: 0.28







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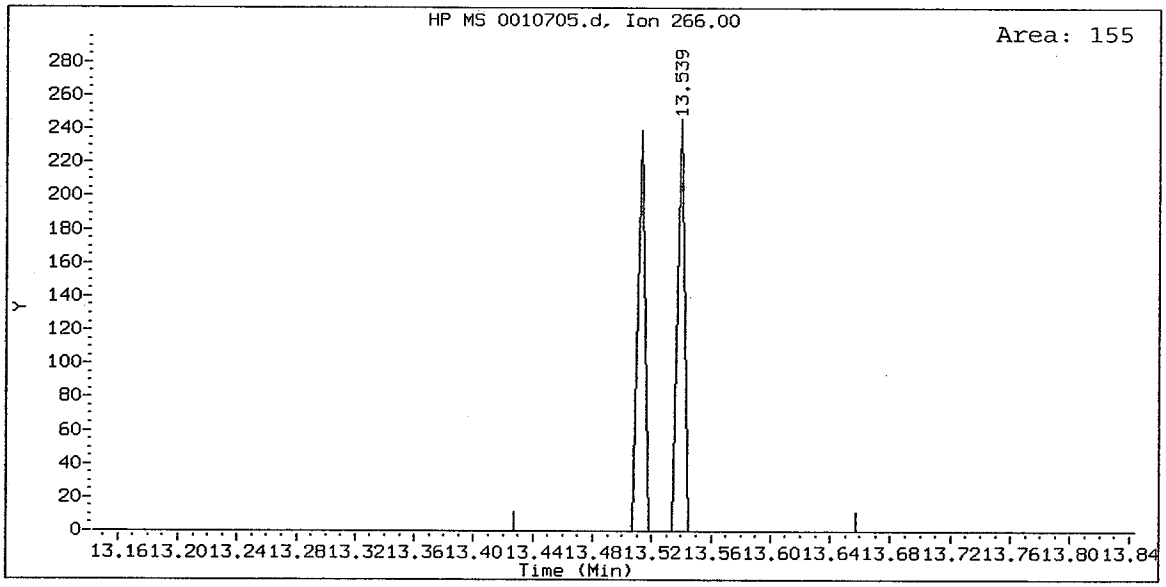
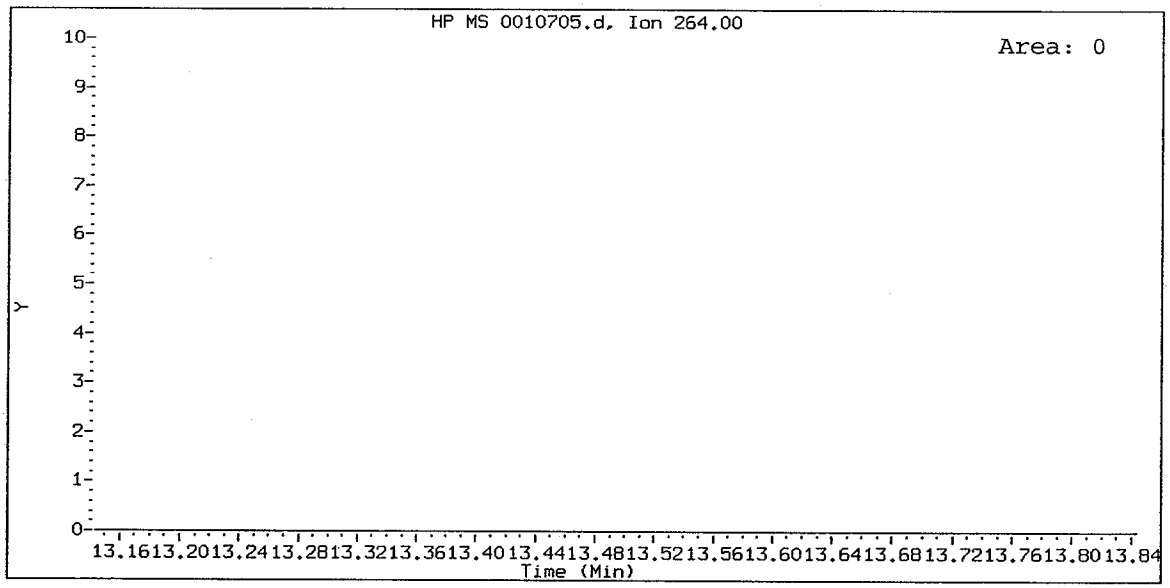
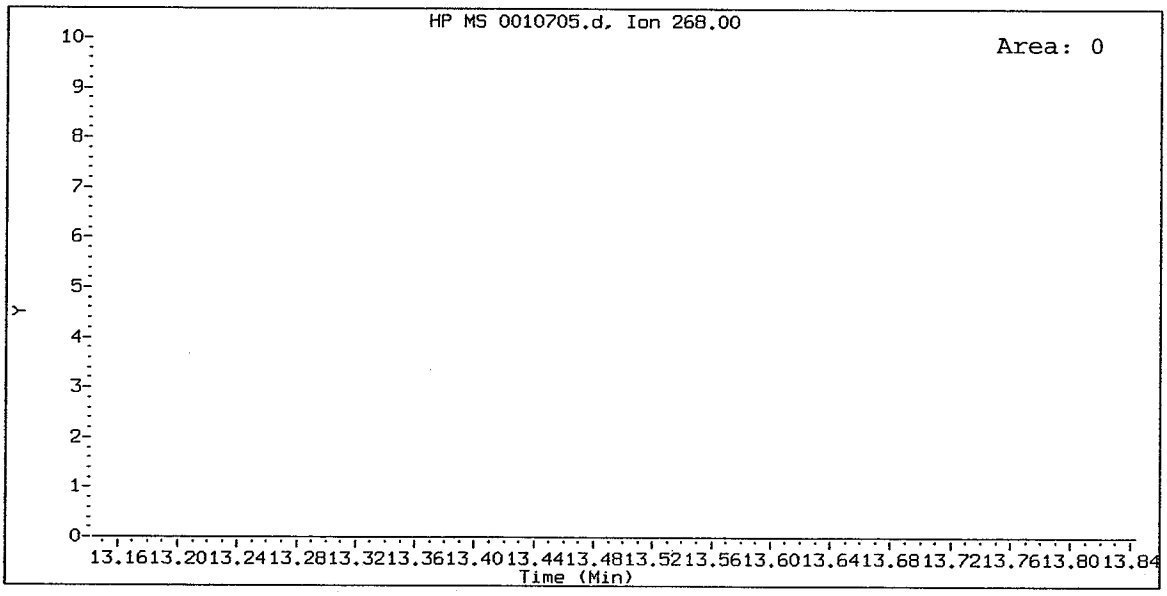
Pentachlorophenol Amount: 0.04







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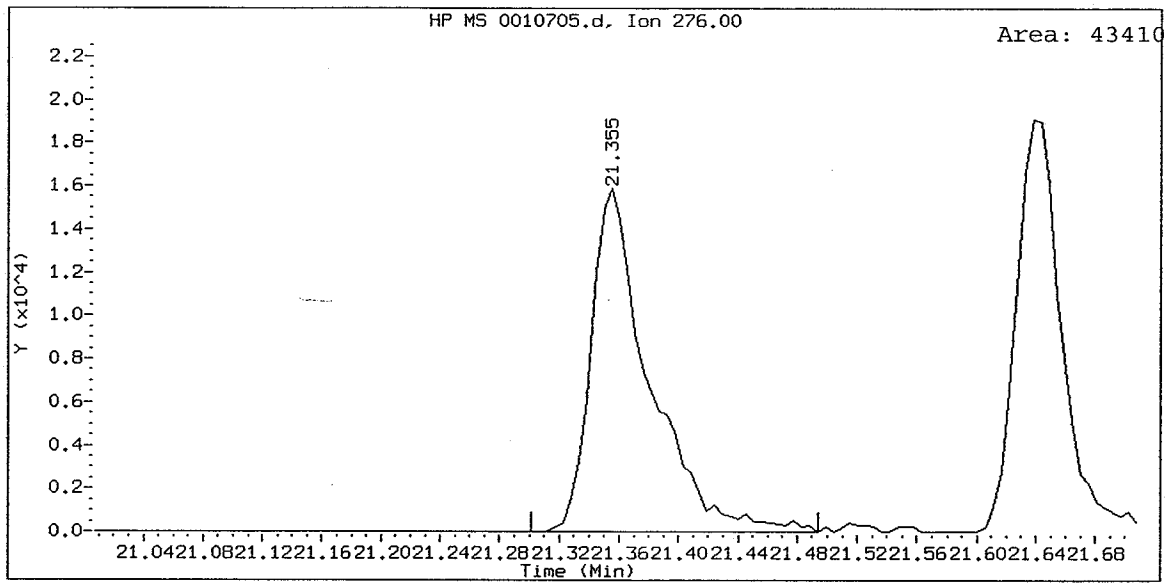
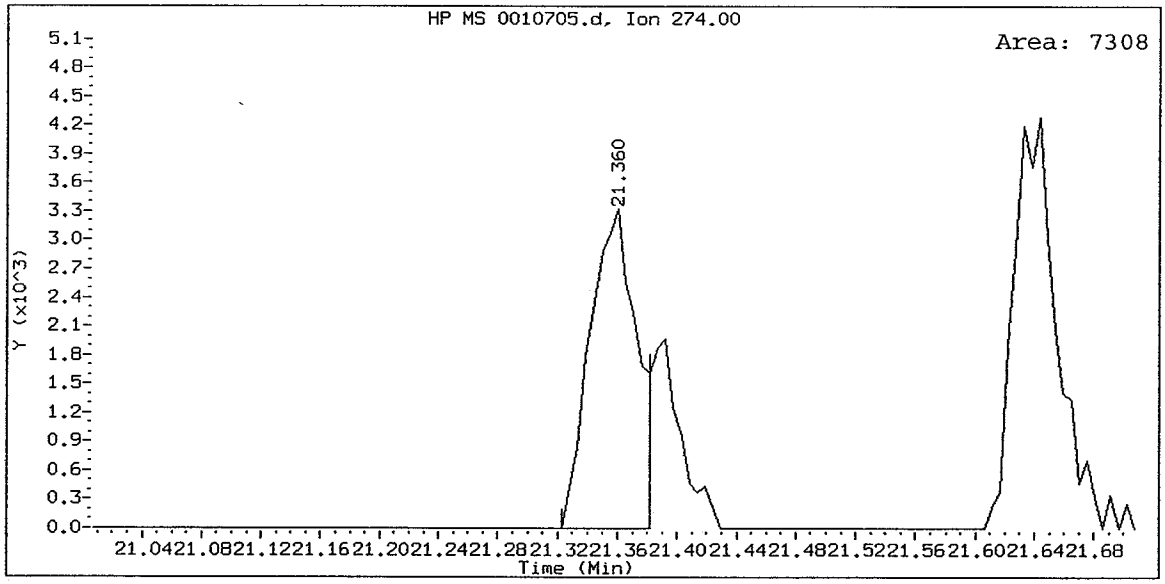
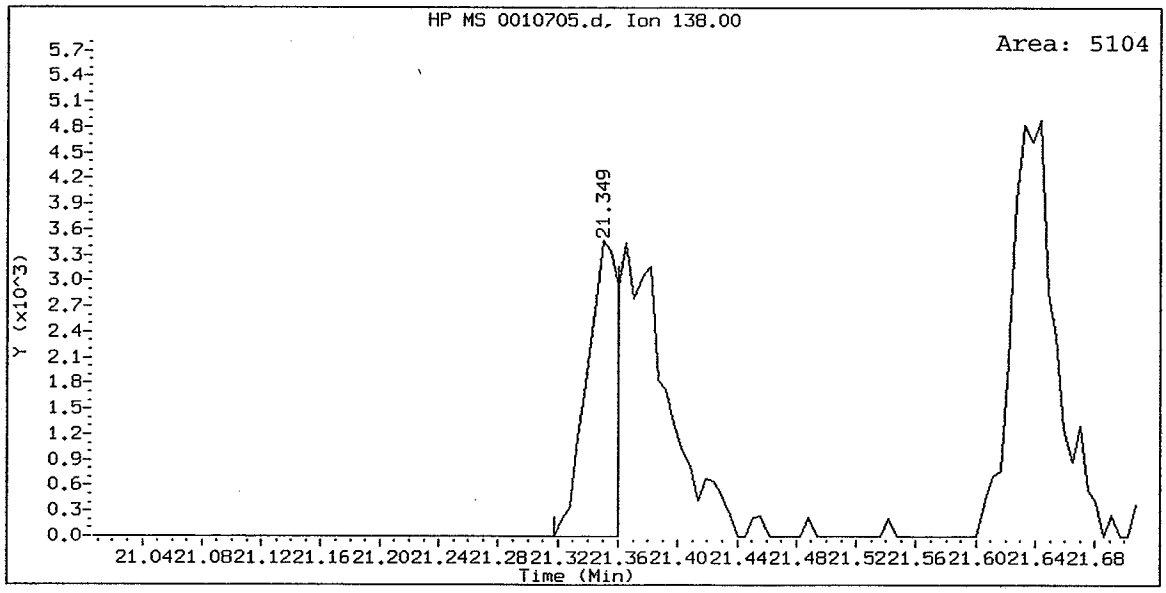
Indeno(1,2,3-cd)pyrene Amount: 1.01







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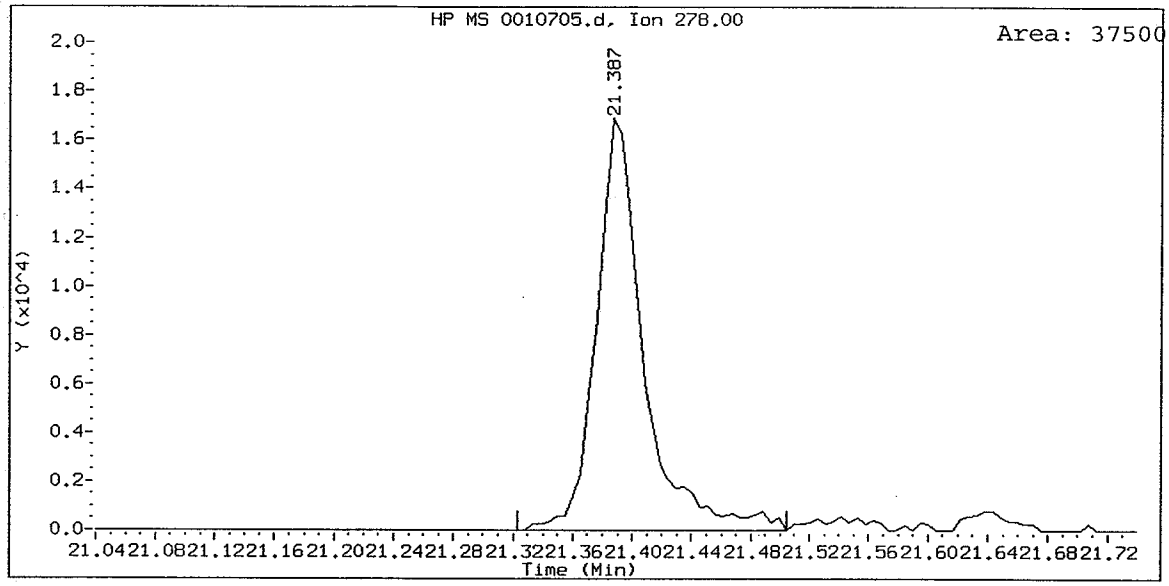
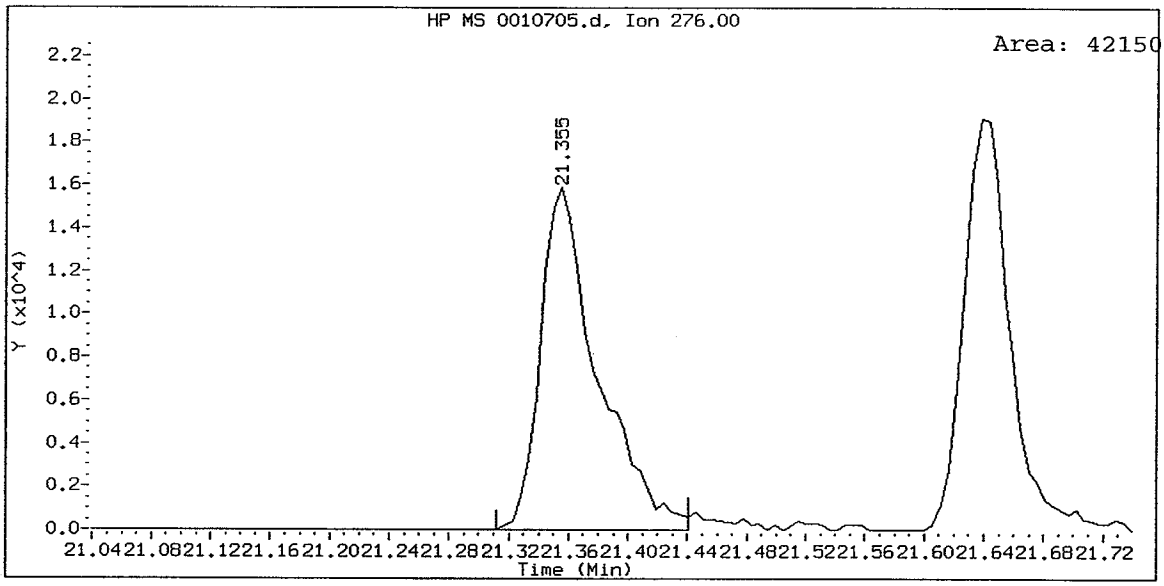
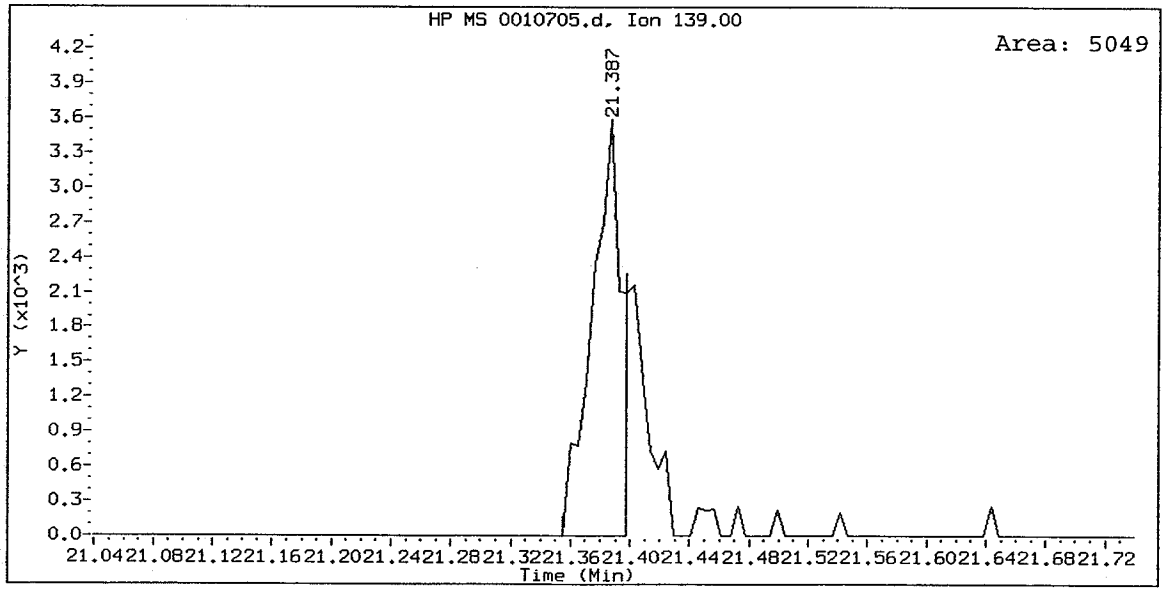
Dibenzo(a,h)anthracene Amount: 0.89







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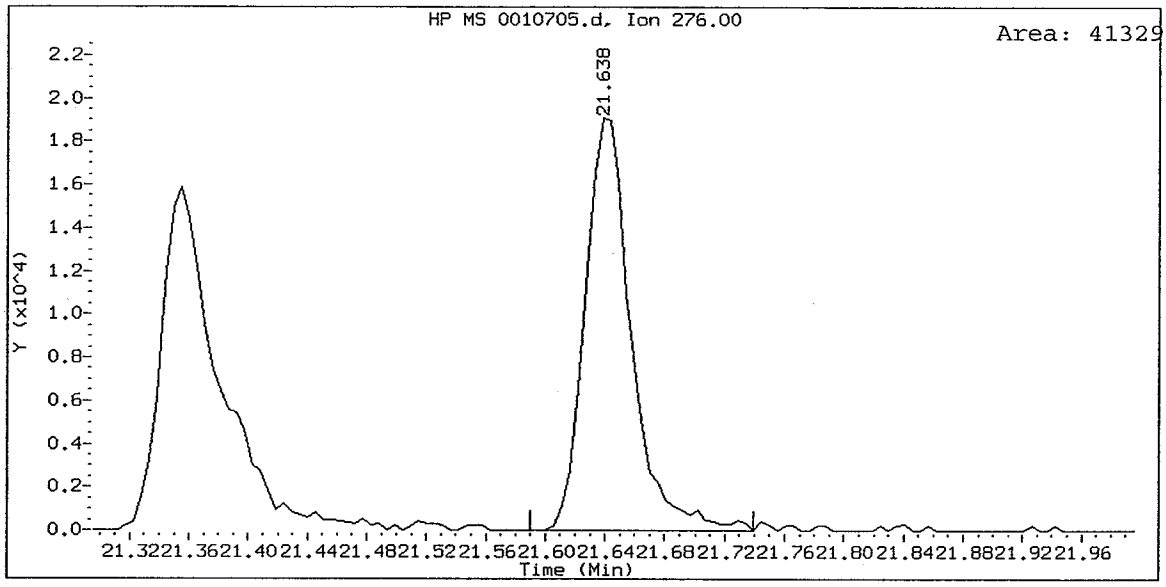
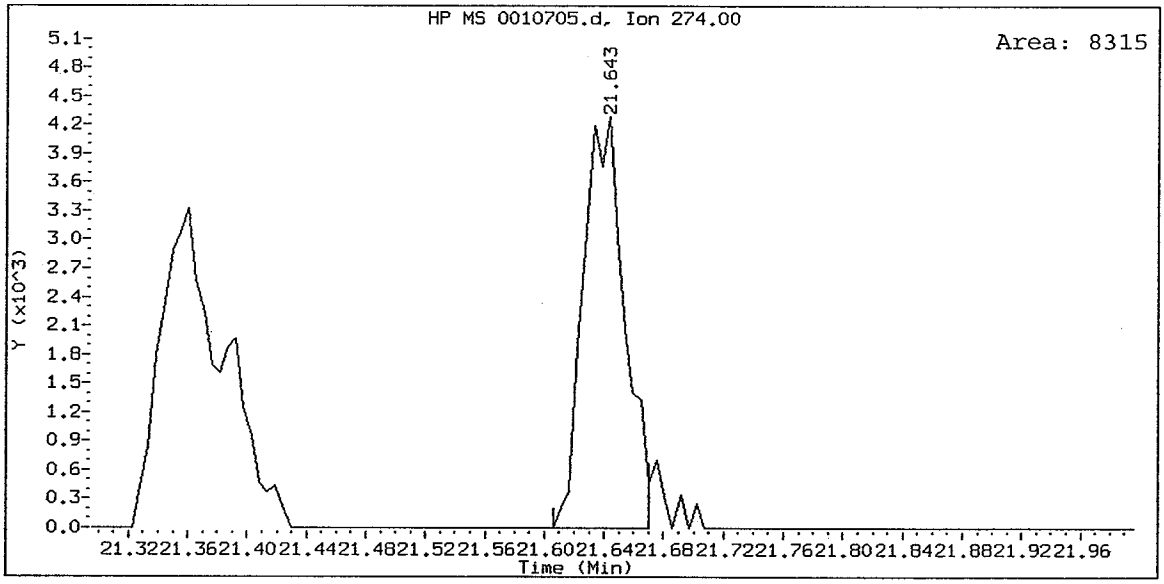
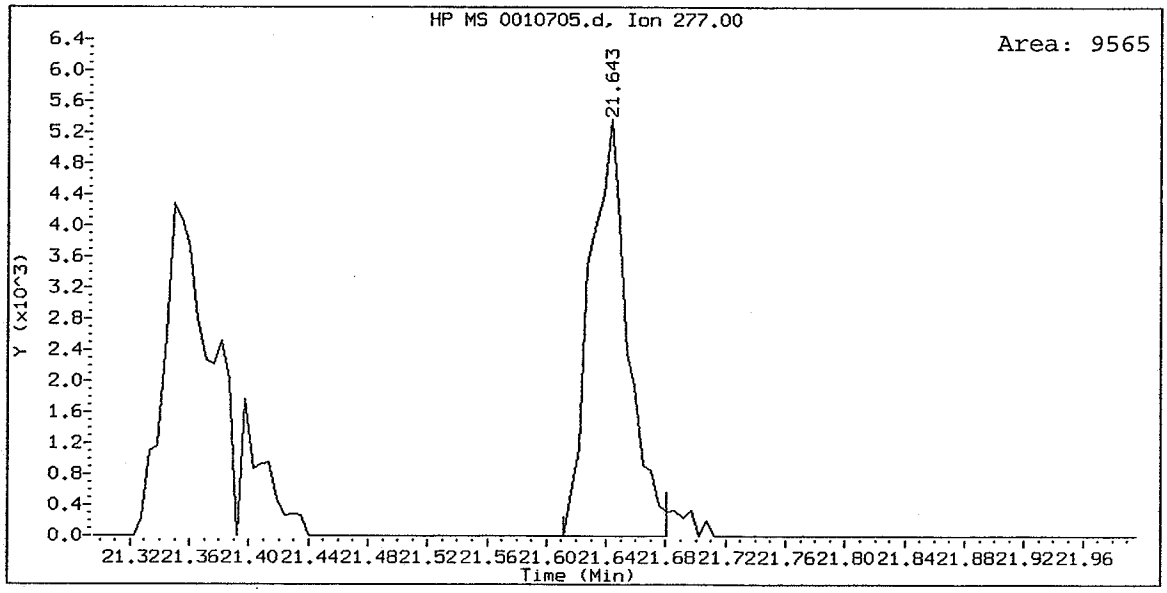
Benzo(g,h,i)perylene Amount: 0.92







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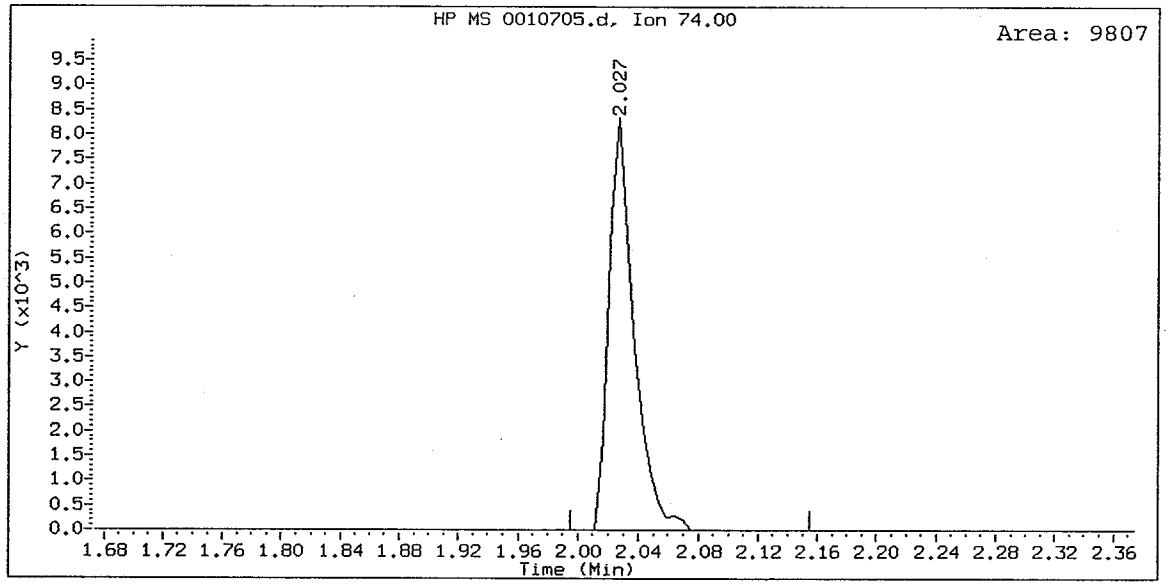
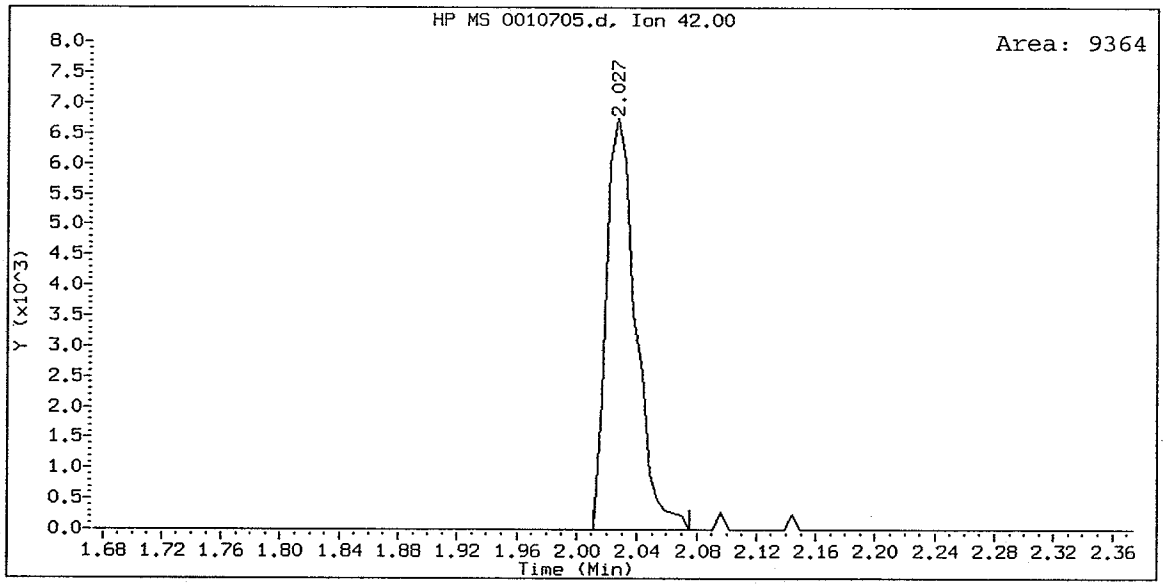
N-Nitrosodimethylamine Amount: 0.97





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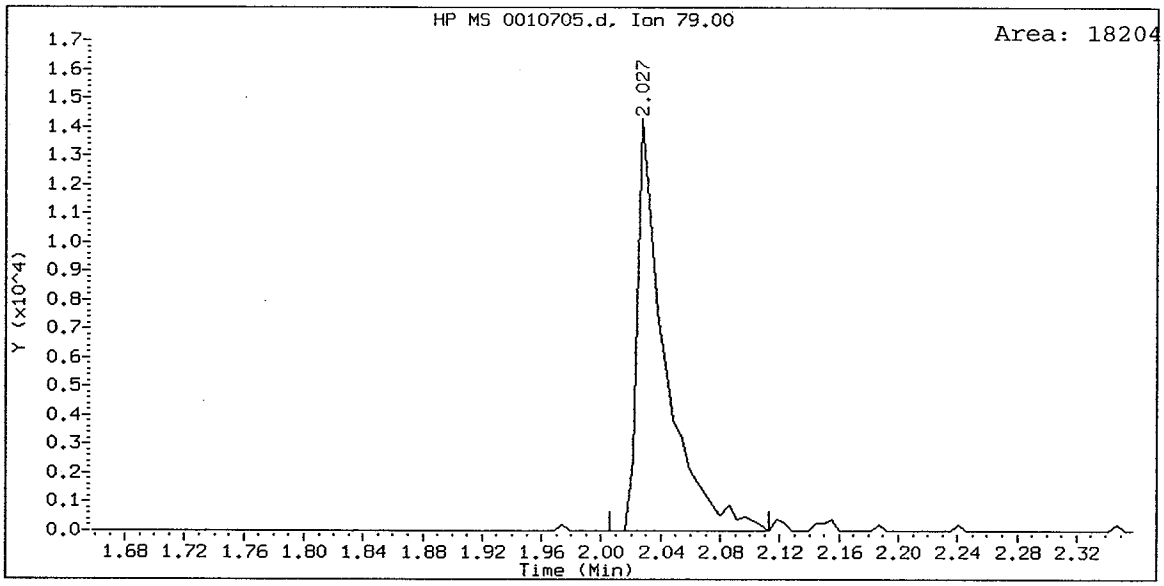
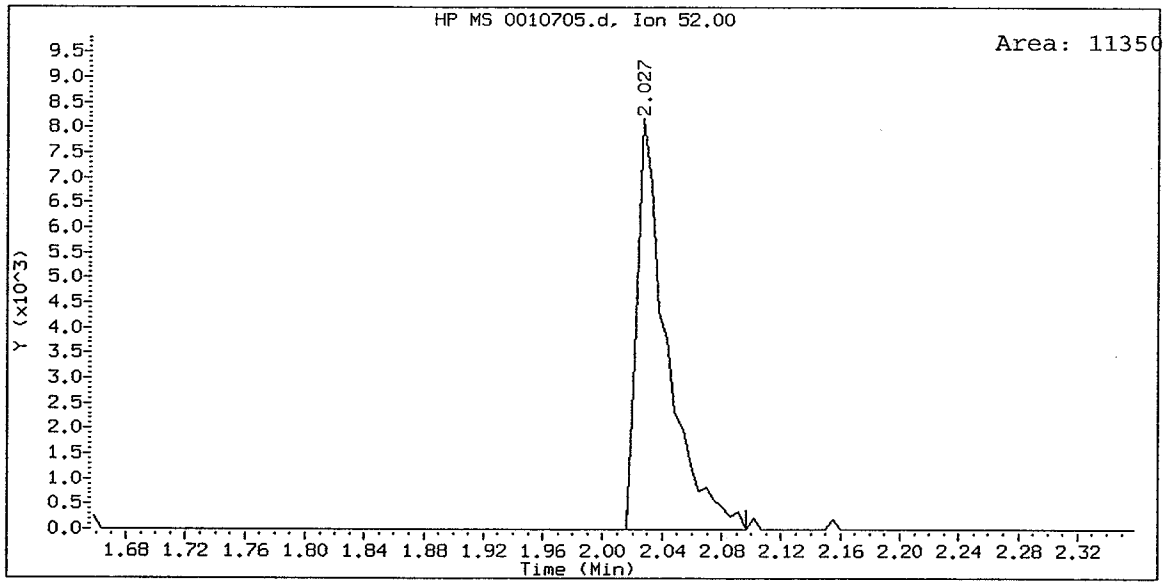
Pyridine Amount: 0.88





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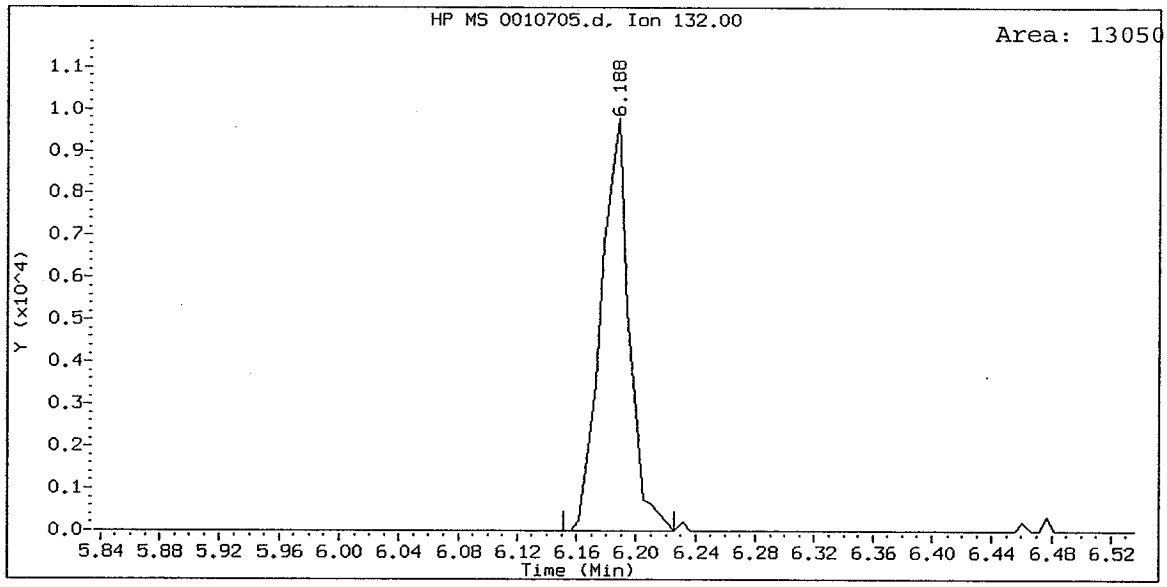
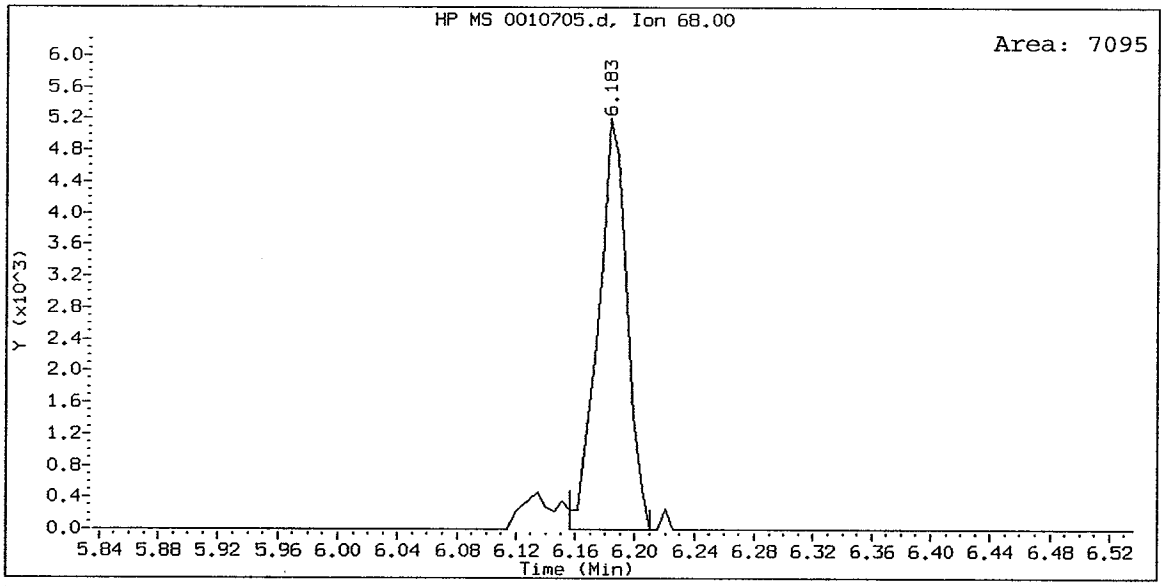
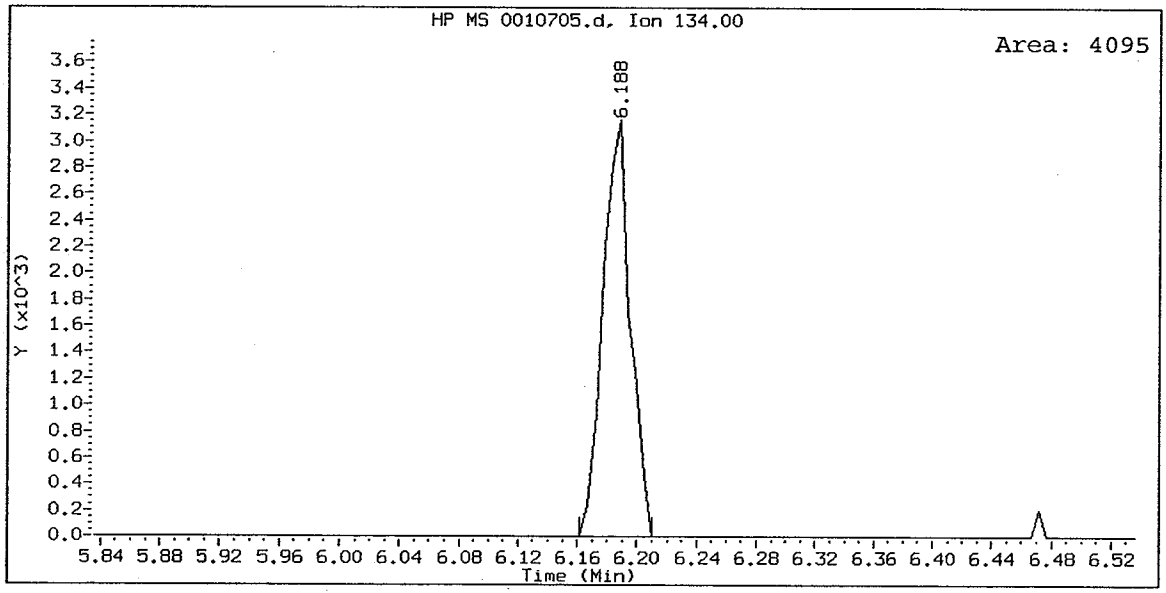
2-Chlorophenol-d4 Amount: 0.92







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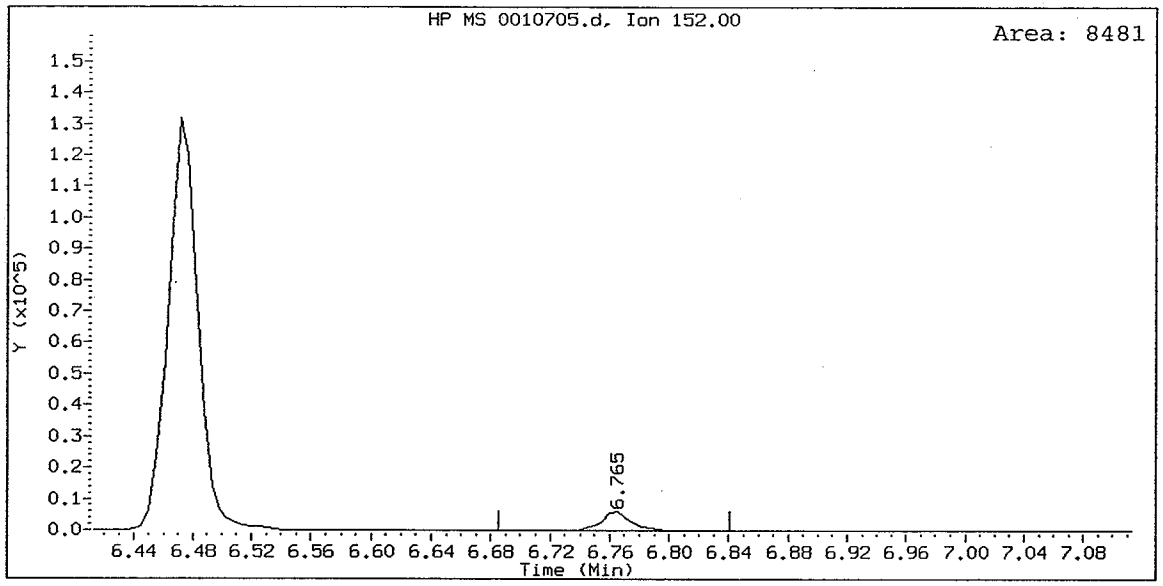
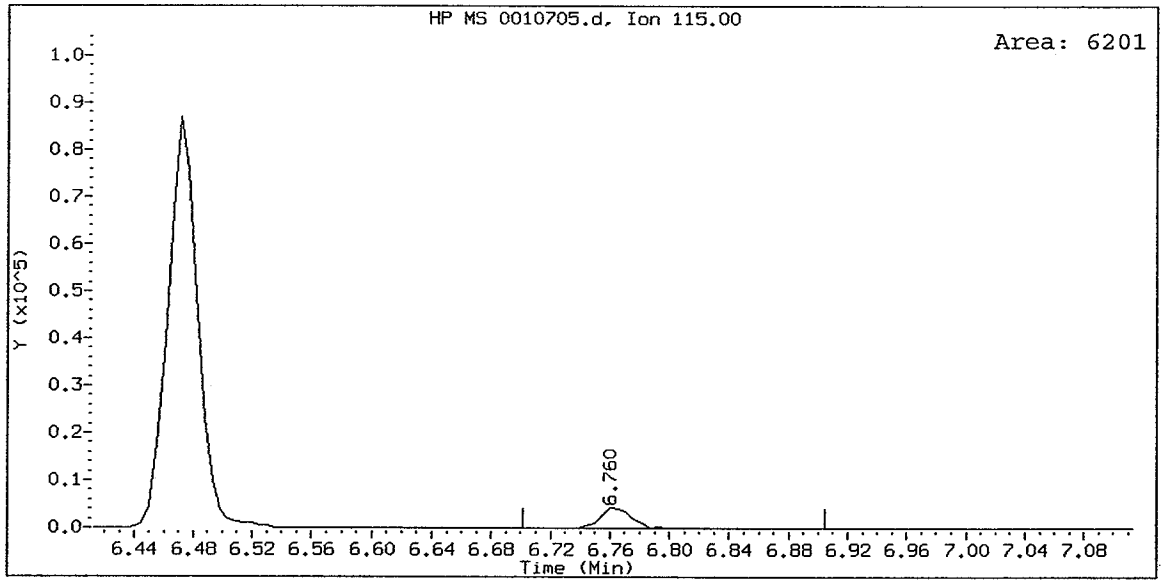
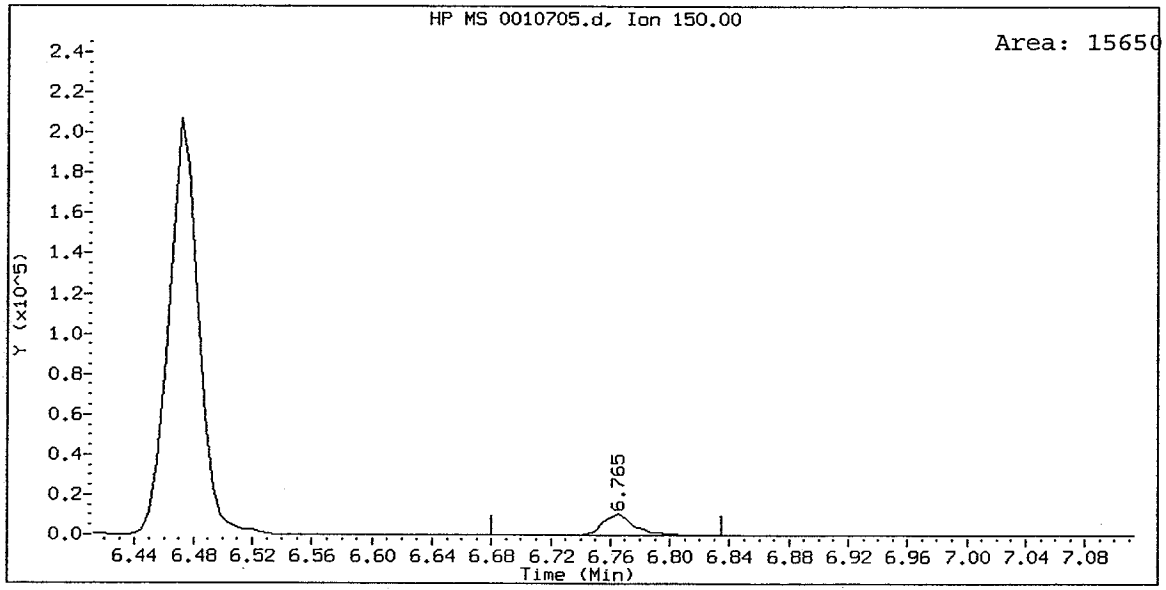
1,2-Dichlorobenzene-d4 Amount: 0.93







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060705.b/0050705.d
Lab Smp Id: ABN 5
Inj Date : 05-JUL-2006 12:18
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 5
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060705.b/SW846.m
Meth Date : 05-Jul-2006 13:42 jeff Quant Type: ISTD
Cal Date : 05-JUL-2006 12:49 Cal File: 0100705.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 7/5/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	4.544	4.548	(0.702)	69584	5.00000	5.017
$	2 Phenol-d5	99	6.131	6.134	(0.947)	84373	5.00000	5.020
	3 Phenol	94	6.147	6.150	(0.950)	107014	5.00000	5.110 (M)
$	5 2-Chlorophenol-d4	132	6.184	6.188	(0.955)	70564	5.00000	4.952
	4 Bis(2-Chloroethyl)ether	93	6.190	6.188	(0.956)	78615	5.00000	5.045
	6 2-Chlorophenol	128	6.206	6.209	(0.959)	74474	5.00000	5.168
	7 1,3-Dichlorobenzene	146	6.409	6.407	(0.990)	78029	5.00000	4.982
*	8 1,4-Dichlorobenzene-d4	152	6.473	6.476	(1.000)	187970	20.0000	
	9 1,4-Dichlorobenzene	146	6.500	6.497	(1.004)	82131	5.00000	5.103
$	10 1,2-Dichlorobenzene-d4	152	6.767	6.765	(1.045)	46839	5.00000	5.099
	12 1,2-Dichlorobenzene	146	6.783	6.786	(1.048)	77462	5.00000	5.006
	11 Benzyl alcohol	108	6.793	6.791	(1.050)	49370	5.00000	4.948
	14 2,2'-oxybis(1-Chloropropane)	45	7.055	7.058	(1.090)	97036	5.00000	5.085
	13 2-Methylphenol	108	7.061	7.064	(1.091)	70716	5.00000	5.132
	17 Hexachloroethane	117	7.264	7.267	(1.122)	34569	5.00000	5.073
	16 N-Nitroso-di-n-propylamine	70	7.264	7.267	(1.122)	67643	5.00000	5.129
	15 4-Methylphenol	108	7.301	7.299	(1.128)	72125	5.00000	5.075
$	18 Nitrobenzene-d5	82	7.397	7.400	(0.871)	91305	5.00000	5.190
	19 Nitrobenzene	77	7.429	7.427	(0.875)	101488	5.00000	5.255
	20 Isophorone	82	7.814	7.817	(0.920)	159247	5.00000	5.257
	21 2-Nitrophenol	139	7.942	7.945	(0.935)	34936	5.00000	4.917
	22 2,4-Dimethylphenol	107	8.118	8.116	(0.956)	77547	5.00000	5.232
	23 Bis(2-Chloroethoxy)methane	93	8.247	8.250	(0.971)	84559	5.00000	5.011
	24 Benzoic acid	105	8.300	8.340	(0.977)	50995	10.0000	6.519 (MH)
	25 2,4-Dichlorophenol	162	8.337	8.340	(0.982)	54417	5.00000	5.028
	26 1,2,4-Trichlorobenzene	180	8.450	8.447	(0.995)	62437	5.00000	5.002
*	27 Naphthalene-d8	136	8.492	8.490	(1.000)	649831	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	8.519	8.522	(1.003)	200366	5.00000	5.072
	29 4-Chloroaniline	127	8.695	8.698	(1.024)	80216	5.00000	5.035
	30 Hexachlorobutadiene	225	8.866	8.869	(1.044)	39722	5.00000	5.065
	31 4-Chloro-3-methylphenol	107	9.550	9.553	(1.125)	61398	5.00000	5.022
	32 2-Methylnaphthalene	141	9.636	9.639	(1.135)	108037	5.00000	5.056
	33 Hexachlorocyclopentadiene	237	10.025	10.029	(0.886)	14312	5.00000	3.020
	34 2,4,6-Trichlorophenol	196	10.170	10.167	(0.899)	38752	5.00000	4.901
	35 2,4,5-Trichlorophenol	196	10.228	10.226	(0.904)	38250	5.00000	4.655
$	36 2-Fluorobiphenyl	172	10.298	10.296	(0.910)	133893	5.00000	5.051
	37 2-Chloronaphthalene	162	10.394	10.397	(0.919)	118201	5.00000	5.076
	38 2-Nitroaniline	65	10.651	10.654	(0.941)	50706	5.00000	5.337
	39 Dimethylphthalate	163	11.057	11.060	(0.977)	125925	5.00000	5.096
	40 Acenaphthylene	152	11.057	11.060	(0.977)	180924	5.00000	5.025
	41 2,6-Dinitrotoluene	165	11.131	11.134	(0.984)	28038	5.00000	4.977
*	42 Acenaphthene-d10	164	11.313	11.316	(1.000)	355016	20.0000	
	43 3-Nitroaniline	138	11.324	11.327	(1.001)	29687	5.00000	4.930
	44 Acenaphthene	153	11.361	11.364	(1.004)	116785	5.00000	5.123
	45 2,4-Dinitrophenol	184	11.500	11.492	(1.017)	1841	10.0000	1.684
	46 Dibenzofuran	168	11.623	11.626	(1.027)	160946	5.00000	5.131
	47 4-Nitrophenol	109	11.703	11.701	(1.034)	19524	5.00000	4.983 (M)
	48 2,4-Dinitrotoluene	165	11.746	11.743	(1.038)	35122	5.00000	4.914
	50 Diethylphthalate	149	12.205	12.208	(1.079)	122846	5.00000	5.147
	49 Fluorene	166	12.168	12.171	(1.076)	128774	5.00000	5.061
	51 4-Chlorophenyl-phenylether	204	12.232	12.230	(1.081)	66175	5.00000	4.951
	52 4-Nitroaniline	138	12.301	12.304	(1.087)	26847	5.00000	5.079
	53 4,6-Dinitro-2-methylphenol	198	12.376	12.384	(0.907)	15069	10.0000	4.920
	54 N-Nitrosodiphenylamine	169	12.440	12.443	(0.912)	91215	5.00000	5.045
$	55 2,4,6-Tribromophenol	330	12.590	12.593	(1.113)	16479	5.00000	4.827
	56 4-Bromophenyl-phenylether	248	12.996	12.993	(0.952)	36786	5.00000	4.978
	57 Hexachlorobenzene	284	13.183	13.180	(0.966)	38469	5.00000	4.968
	58 Pentachlorophenol	266	13.493	13.496	(0.989)	16520	5.00000	3.917
*	59 Phenanthrene-d10	188	13.647	13.645	(1.000)	526410	20.0000	
	60 Phenanthrene	178	13.680	13.683	(1.002)	181534	5.00000	5.180
	61 Anthracene	178	13.749	13.752	(1.007)	176317	5.00000	5.012
	62 Carbazole	167	14.059	14.057	(1.030)	144822	5.00000	5.114
	63 Di-n-butylphthalate	149	14.844	14.842	(1.088)	174758	5.00000	5.152
	64 Fluoranthene	202	15.587	15.584	(1.142)	174559	5.00000	5.052
	65 Pyrene	202	15.923	15.926	(0.890)	188753	5.00000	5.228
$	66 Terphenyl-d14	244	16.297	16.300	(0.911)	118524	5.00000	5.221
	67 Butylbenzylphthalate	149	17.216	17.219	(0.962)	70587	5.00000	5.269
	68 Benzo(a)anthracene	228	17.878	17.876	(0.999)	167072	5.00000	5.162
*	69 Chrysene-d12	240	17.894	17.898	(1.000)	428642	20.0000	
	70 3,3'-Dichlorobenzidine	252	17.927	17.930	(1.002)	60151	5.00000	5.153
	71 Chrysene	228	17.932	17.935	(1.002)	162017	5.00000	5.037
	72 bis(2-Ethylhexyl)phthalate	149	18.247	18.245	(0.952)	91506	5.00000	4.976
*	134 Di-n-octylphthalate-d4	153	19.171	19.174	(1.000)	728345	20.0000	
	73 Di-n-octylphthalate	149	19.182	19.180	(1.001)	182428	5.00000	5.244

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	74 Benzo(b)fluoranthene	252	19.497	19.506	(0.974)	171316	5.00000	4.852(H)
	75 Benzo(k)fluoranthene	252	19.534	19.538	(0.976)	187197	5.00000	5.128
	76 Benzo(a)pyrene	252	19.935	19.938	(0.996)	170115	5.00000	5.006(M)
*	77 Perylene-d12	264	20.021	20.024	(1.000)	537760	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	21.356	21.359	(1.067)	187883	5.00000	4.545(M)
	79 Dibenzo(a,h)anthracene	278	21.394	21.391	(1.069)	192625	5.00000	4.744
	80 Benzo(g,h,i)perylene	276	21.645	21.648	(1.081)	208947	5.00000	4.827
	90 N-Nitrosodimethylamine	74	2.023	2.026	(0.313)	51528	5.00000	5.081
	103 Pyridine	79	2.012	2.010	(0.311)	105428	5.00000	5.075
	91 Aniline	93	6.046	6.049	(0.934)	130424	5.00000	5.275
	105 1-methylnaphthalene	141	9.801	9.799	(1.154)	112406	5.00000	5.033
	93 Benzidine	184	15.880	15.878	(0.887)	91840	5.00000	7.397
	98 Retene	219	16.527	16.525	(0.924)	80934	5.00000	5.176
	111 Azobenzene (1,2-DP-Hydrazine)	77	12.472	12.475	(1.102)	184332	5.00000	5.307
	144 alpha-Terpineol	59	8.588	8.592	(1.011)	61839	5.00000	5.202
	143 1,4-Dioxane	88	1.622	1.625	(0.251)	34658	5.00000	4.905
$	137 d8-1,4-Dioxane	96	1.596	1.593	(0.246)	32924	5.00000	4.865
	133 Butylatedhydroxytoluene	205	11.553	11.556	(1.021)	106972	5.00000	5.323
	115 Tributyl Phosphate	99	12.600	12.603	(0.923)	135513	5.00000	5.126
	116 Dibutyl Phenyl Phosphate	175	14.294	14.297	(1.047)	103067	5.00000	5.011
	117 Butyl Diphenyl Phosphate	94	15.939	15.942	(0.891)	31129	5.00000	5.046
	118 Triphenyl Phosphate	326	17.510	17.513	(0.978)	26912	5.00000	5.262

QC Flag Legend

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

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0050705.d
Lab Smp Id: ABN 5
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060705.b/SW846.m
Misc Info:

Calibration Date: 05-JUL-2006
Calibration Time: 10:16

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	200696	100348	401392	187970	-6.34
27 Naphthalene-d8	684917	342458	1369834	649831	-5.12
42 Acenaphthene-d10	379750	189875	759500	355016	-6.51
59 Phenanthrene-d10	559641	279820	1119282	526410	-5.94
69 Chrysene-d12	488455	244228	976910	428642	-12.25
134 Di-n-octylphthala	797584	398792	1595168	728345	-8.68
77 Perylene-d12	578815	289408	1157630	537760	-7.09

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.47	5.97	6.97	6.47	0.00
27 Naphthalene-d8	8.49	7.99	8.99	8.49	0.00
42 Acenaphthene-d10	11.32	10.82	11.82	11.31	-0.05
59 Phenanthrene-d10	13.65	13.15	14.15	13.65	0.00
69 Chrysene-d12	17.90	17.40	18.40	17.89	-0.06
134 Di-n-octylphthala	19.18	18.68	19.68	19.17	-0.03
77 Perylene-d12	20.02	19.52	20.52	20.02	0.00

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

Data File: /chem1/nt6.i/20060705.b/0050705.d

Date : 05-JUL-2006 12:18

Client ID:

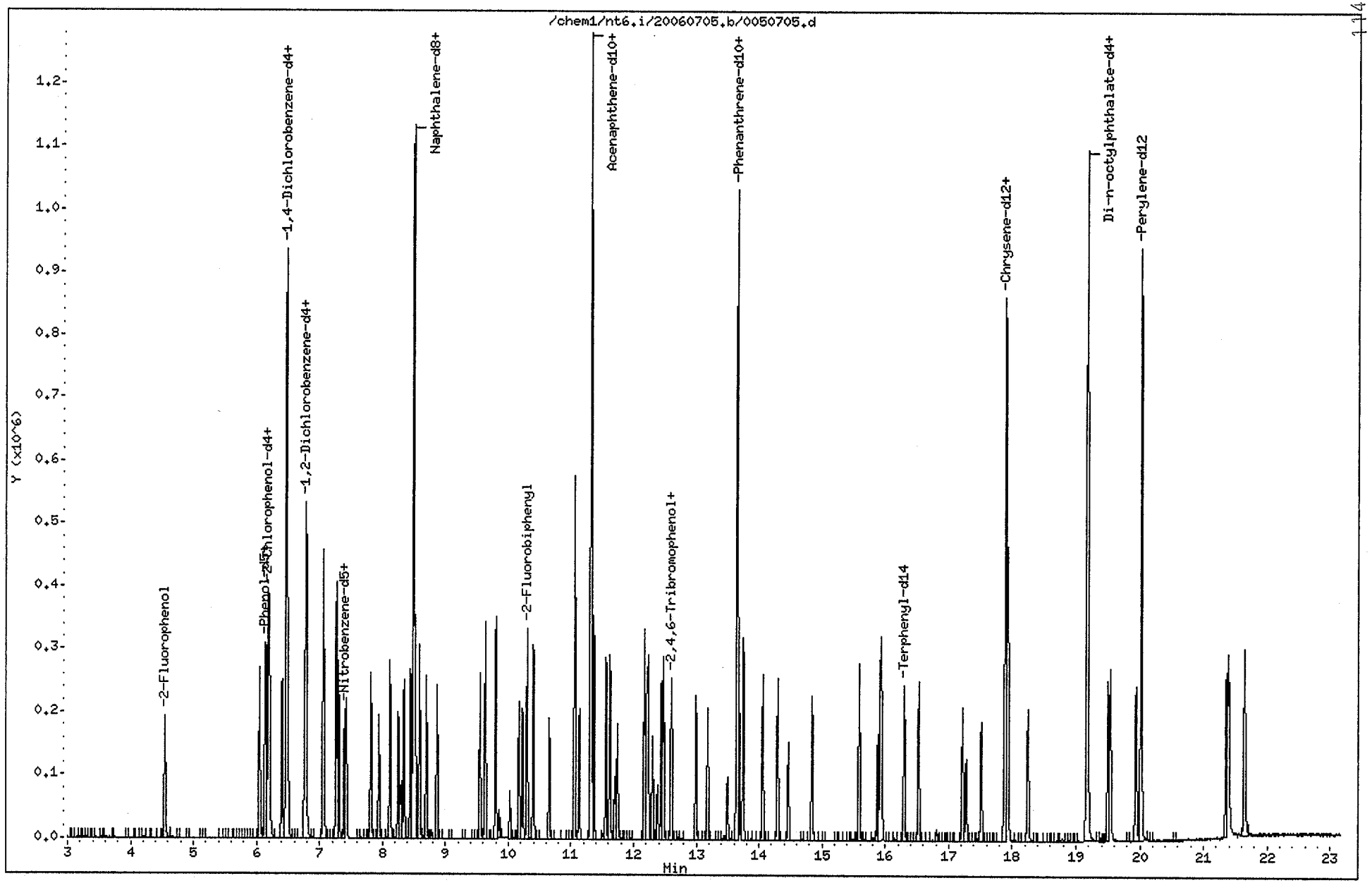
Sample Info: ABN 5

Column phase: ZB-5

Instrument: nt6.i

Operator: LJR

Column diameter: 0.32



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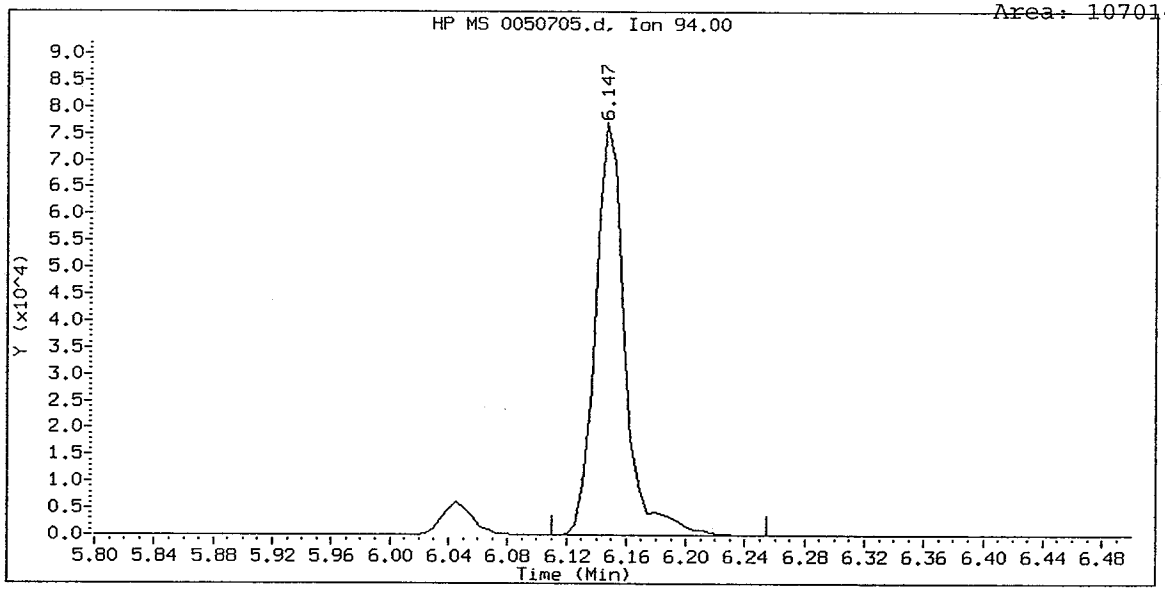

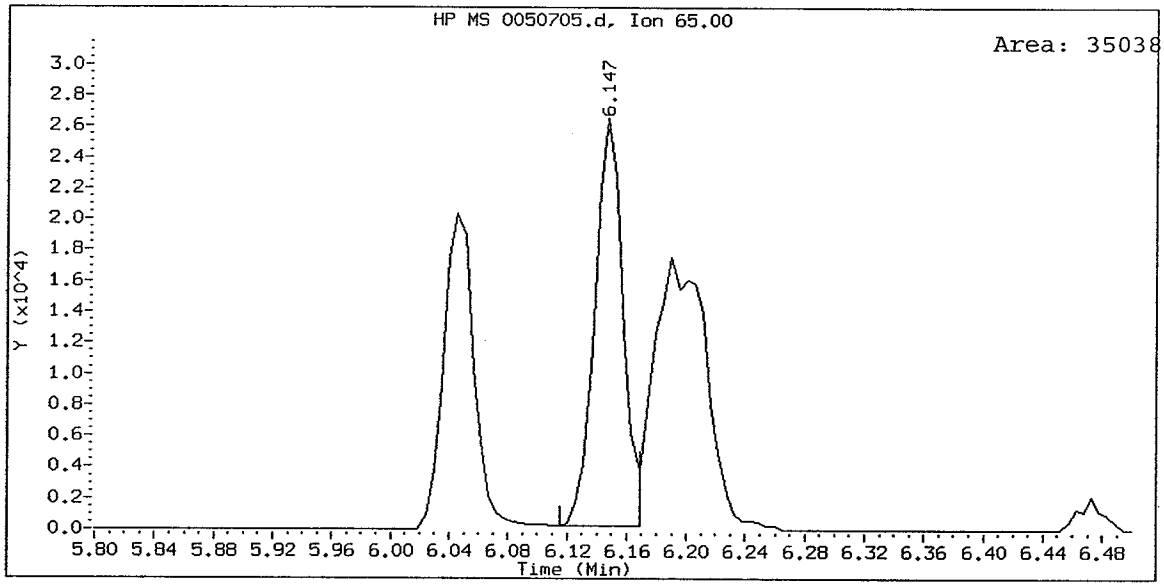

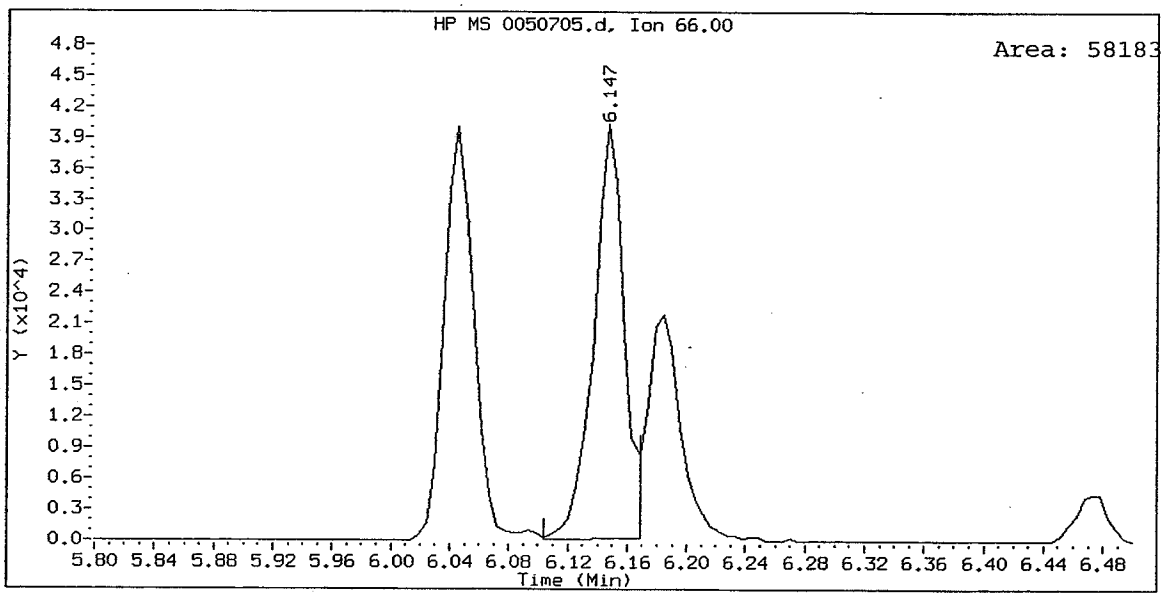

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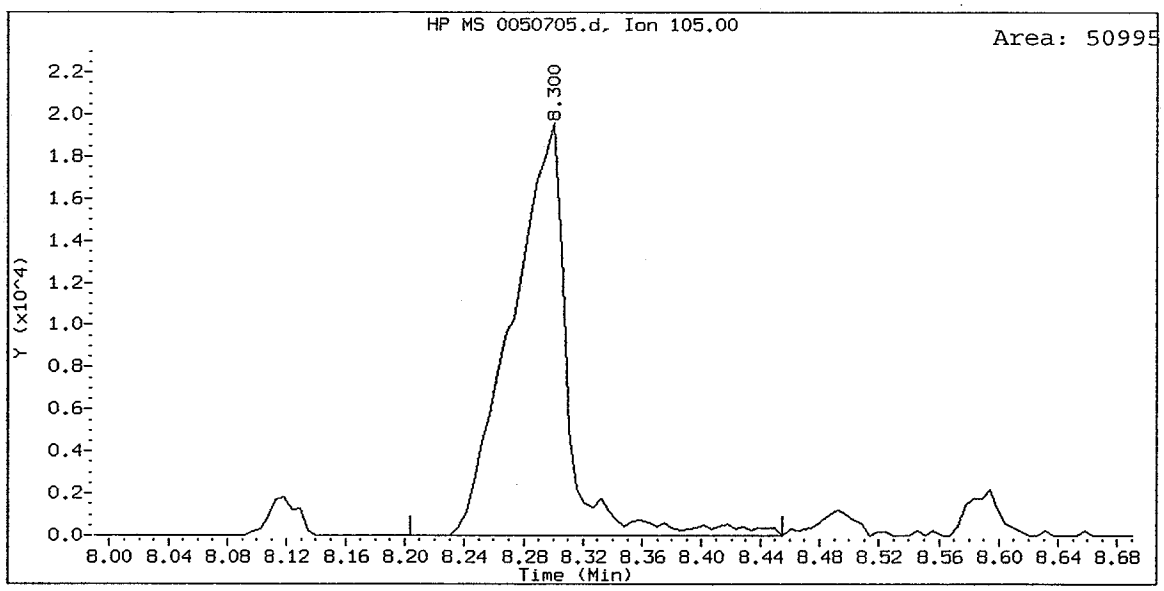
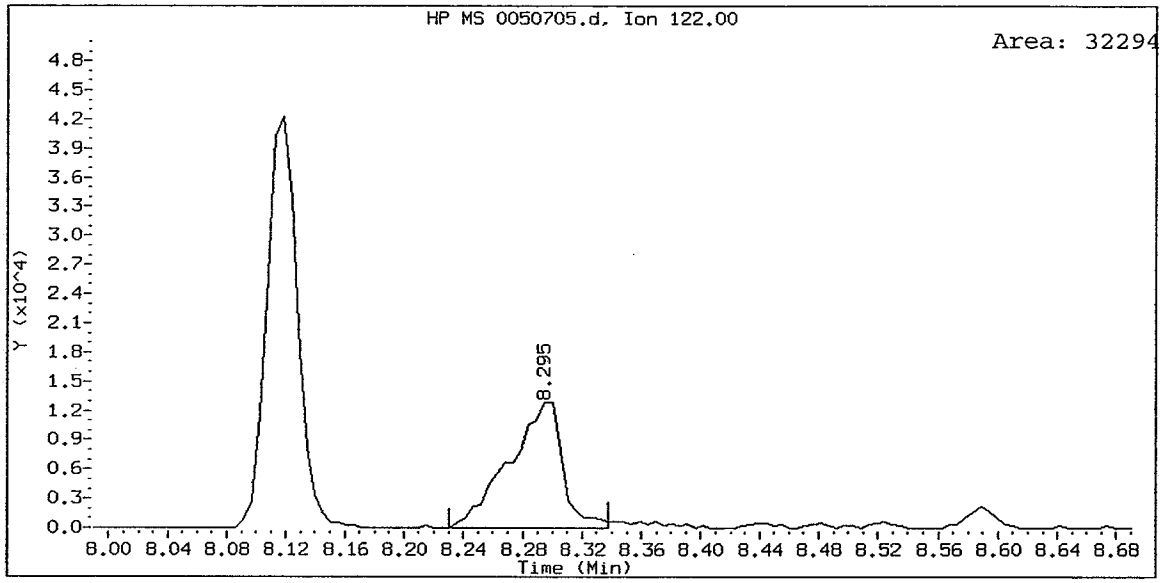
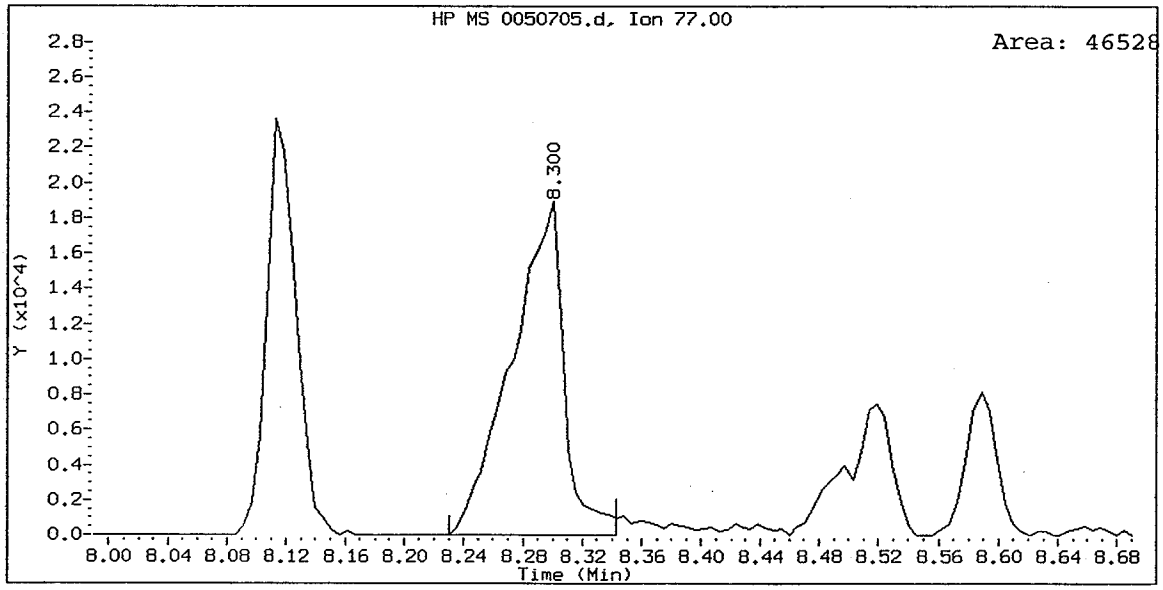
Benzoic acid Amount: 6.52







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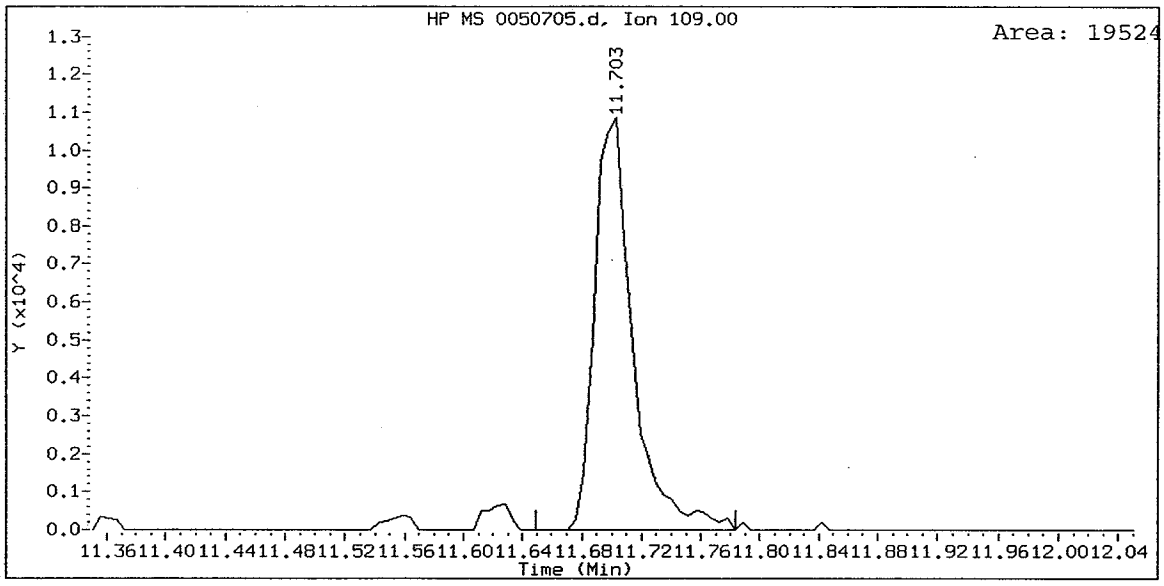
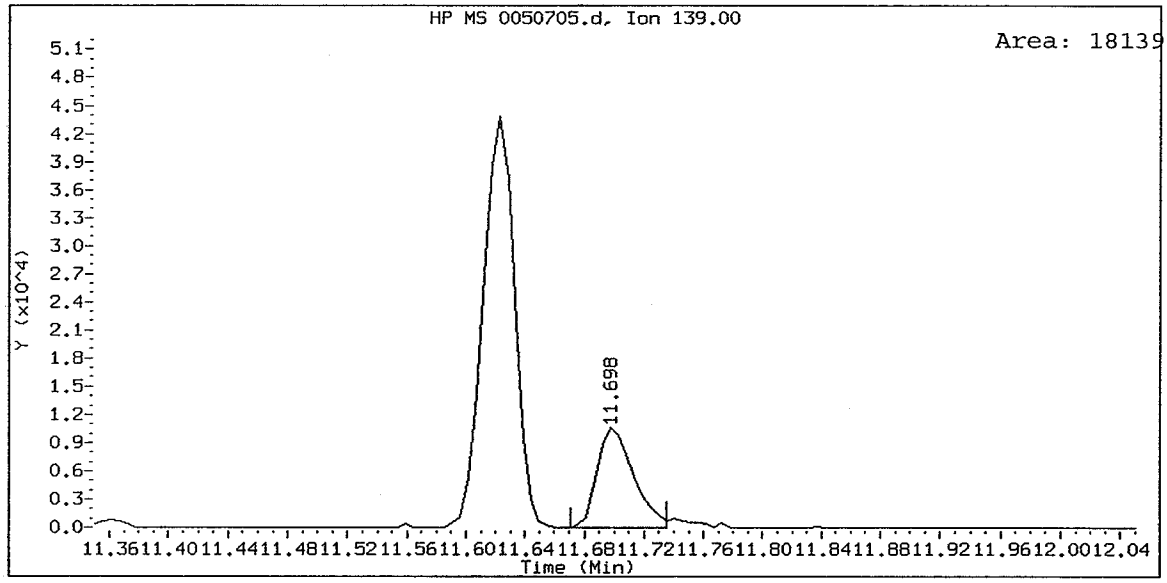
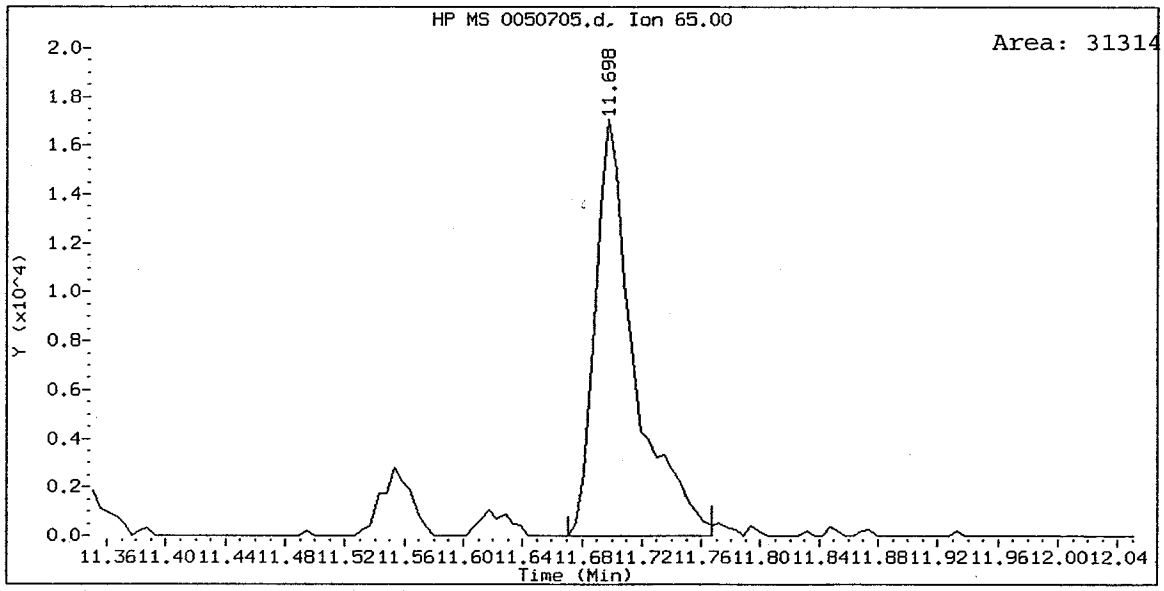
4-Nitrophenol Amount: 4.98







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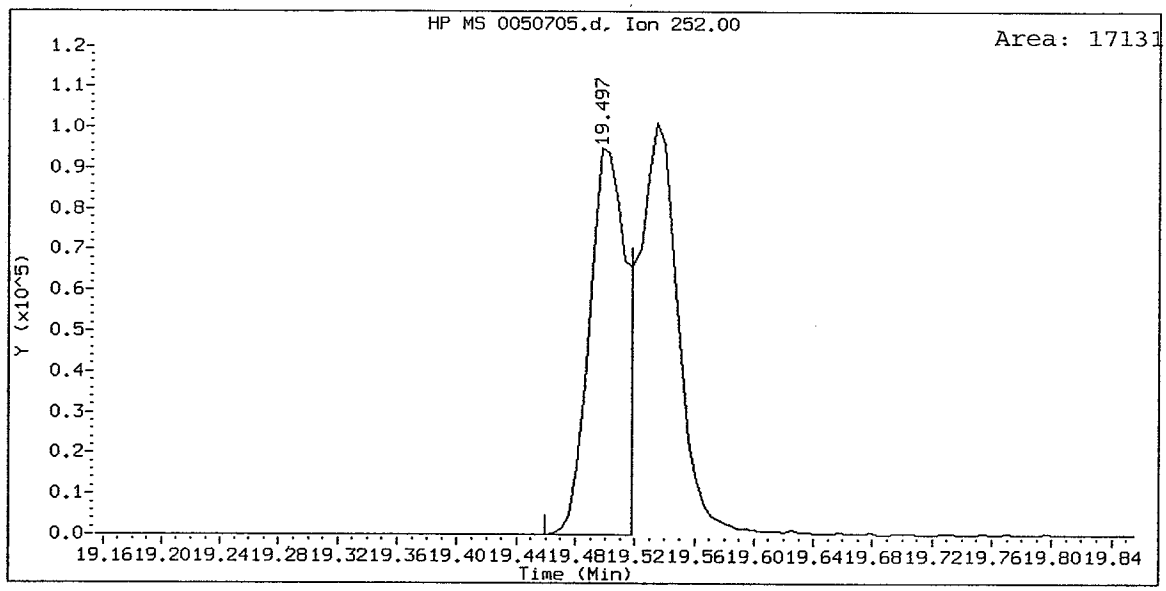
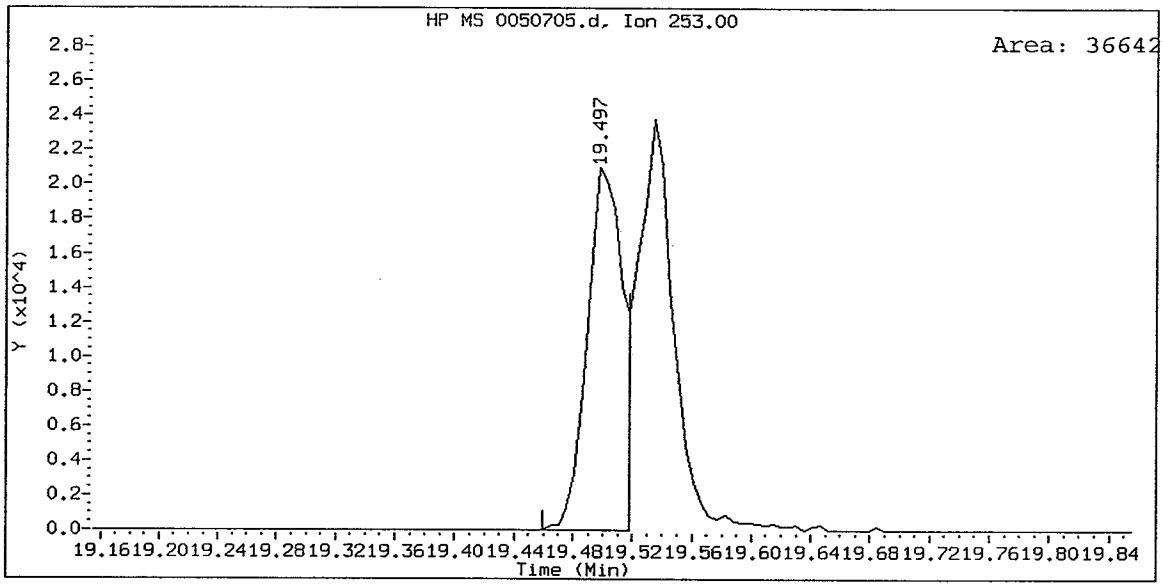
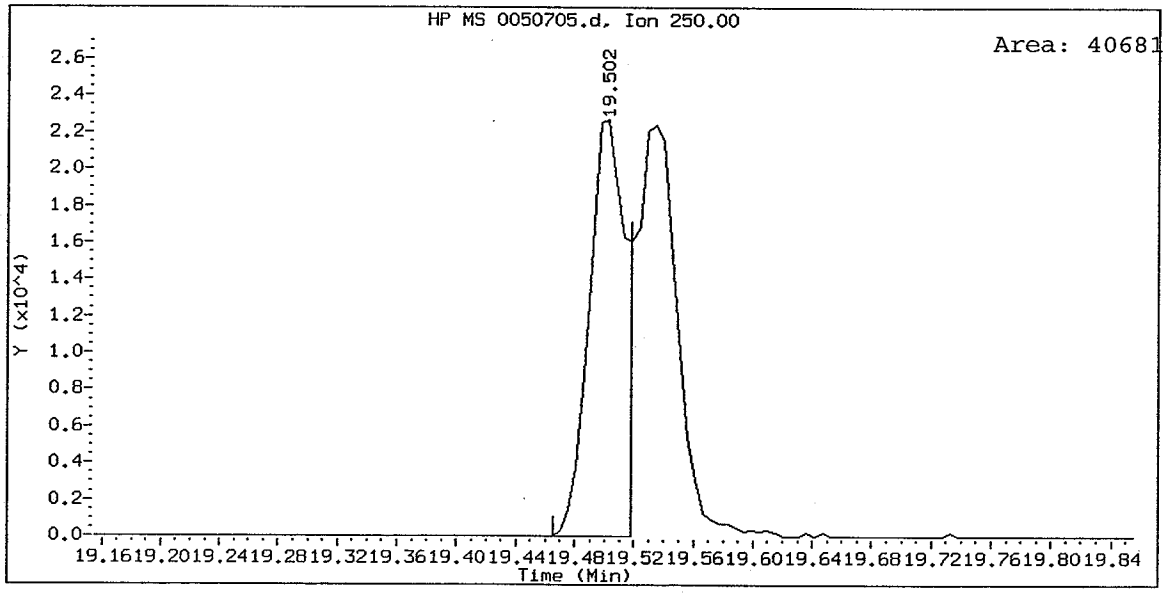
Benzo(b)fluoranthene Amount: 4.85







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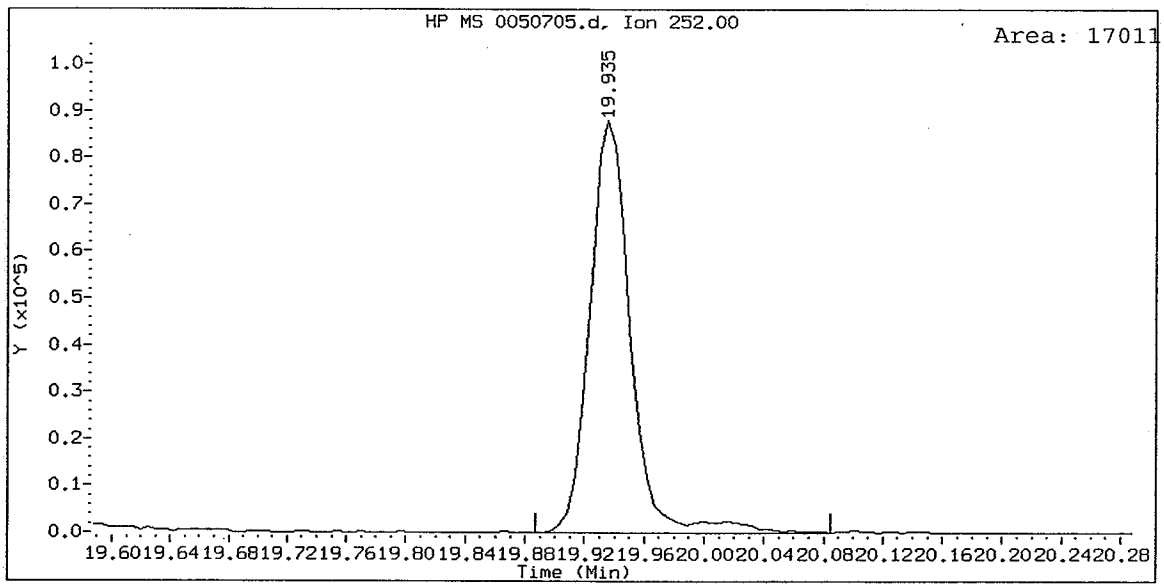
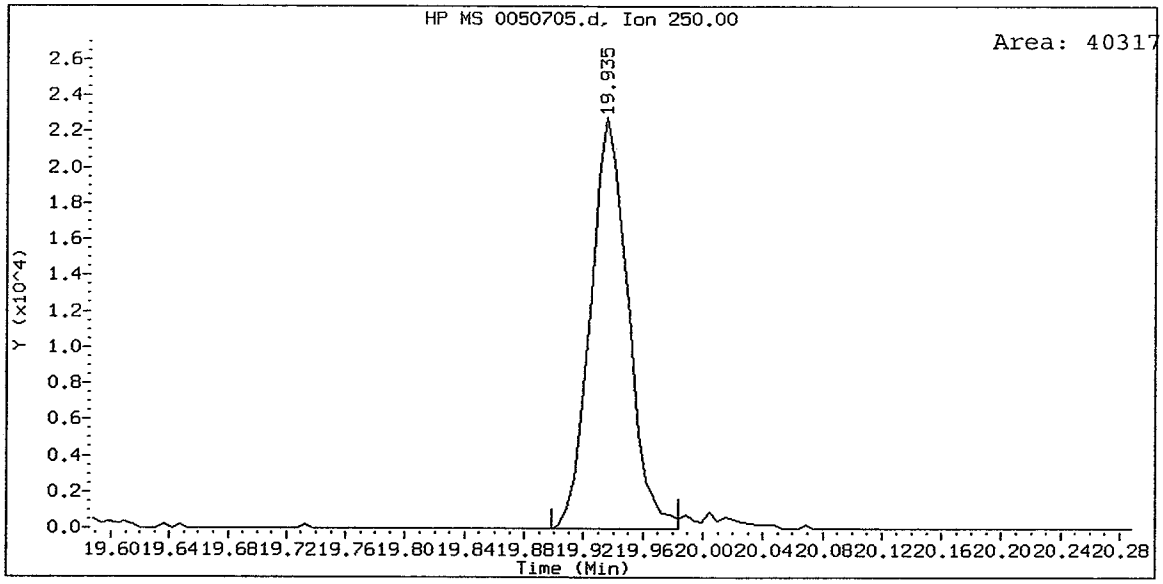
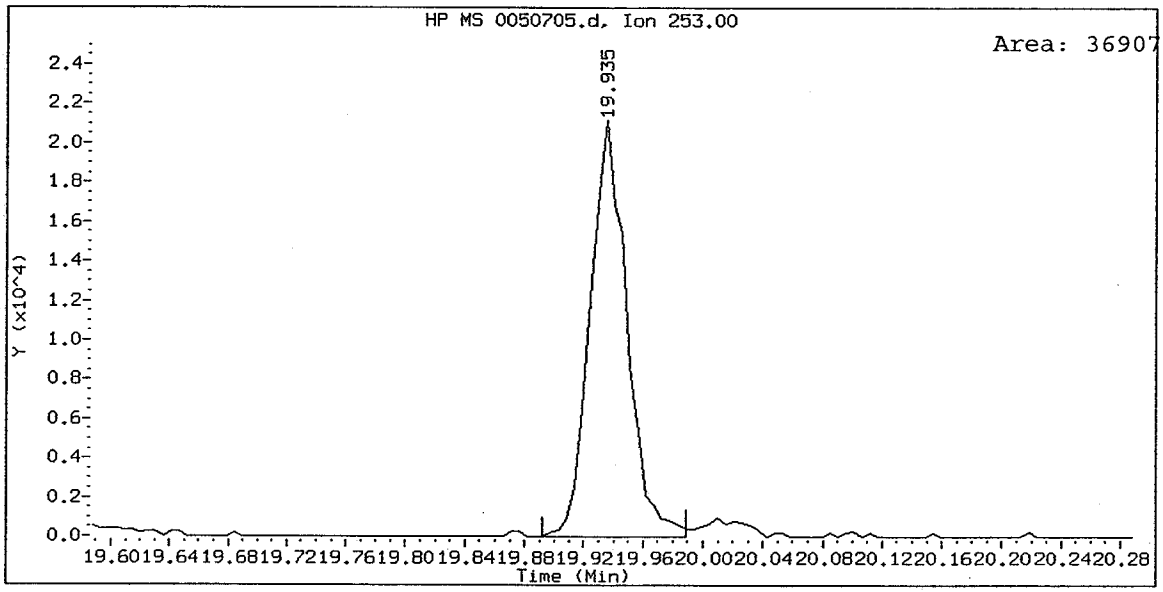
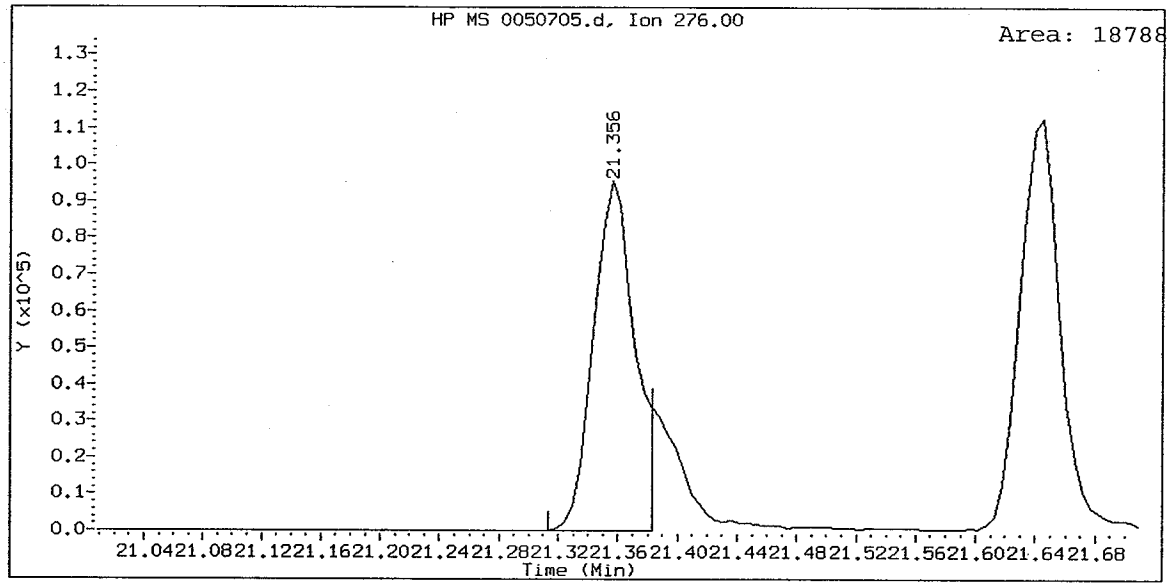
Benzo(a)pyrene Amount: 5.01

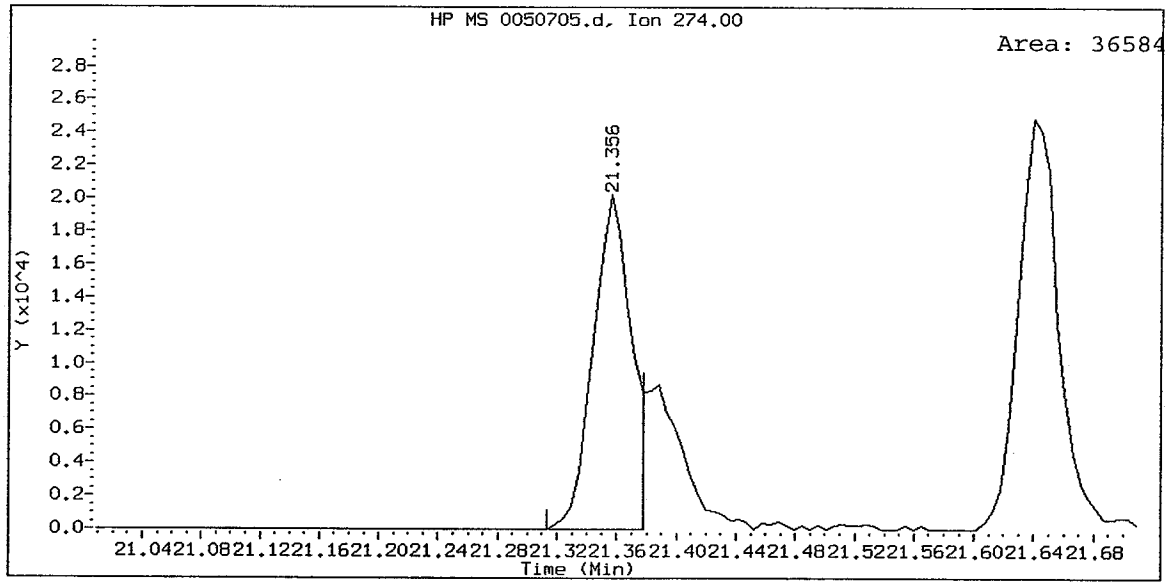


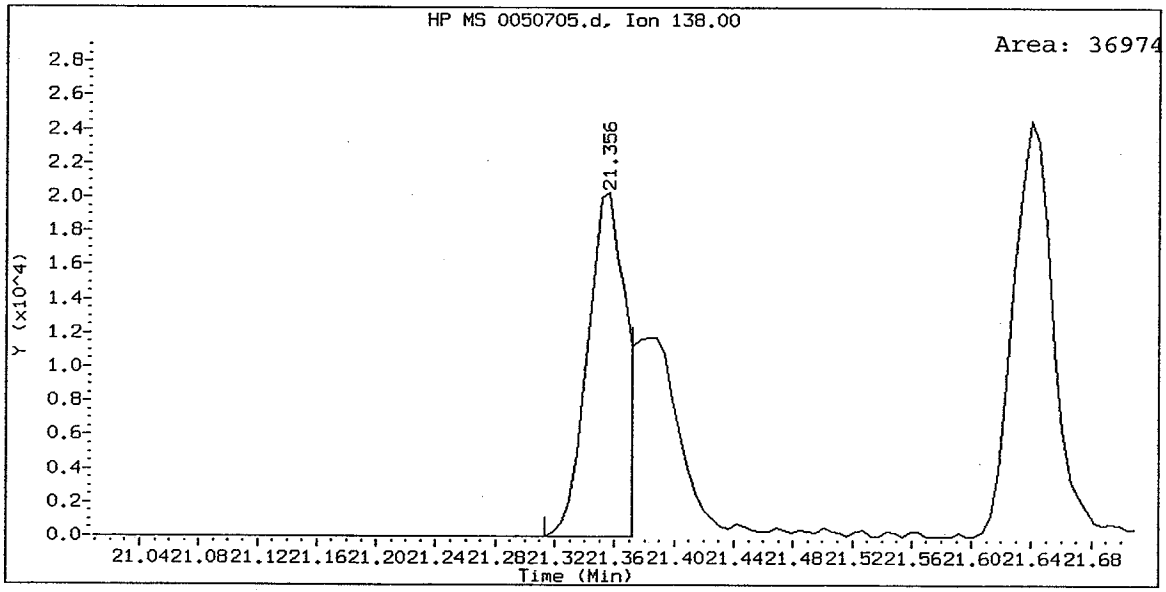




ABN 5, /chem1/nt6.i/20060705.b/0050705.d
Indeno(1,2,3-cd)pyrene Amount: 4.54







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060705.b/0100705.d
Lab Smp Id: ABN 10
Inj Date : 05-JUL-2006 12:49
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 10
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060705.b/SW846.m
Meth Date : 05-Jul-2006 13:42 jeff Quant Type: ISTD
Cal Date : 05-JUL-2006 12:49 Cal File: 0100705.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 7/5/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	4.548	4.548	(0.702)	137288	10.0000	10.06
$	2 Phenol-d5	99	6.134	6.134	(0.947)	170344	10.0000	10.30
	3 Phenol	94	6.150	6.150	(0.950)	209991	10.0000	10.19(M)
$	5 2-Chlorophenol-d4	132	6.188	6.188	(0.955)	138123	10.0000	9.851
	4 Bis(2-Chloroethyl)ether	93	6.188	6.188	(0.955)	158262	10.0000	10.32
	6 2-Chlorophenol	128	6.209	6.209	(0.959)	140748	10.0000	9.927
	7 1,3-Dichlorobenzene	146	6.407	6.407	(0.989)	159333	10.0000	10.34
*	8 1,4-Dichlorobenzene-d4	152	6.476	6.476	(1.000)	184947	20.0000	
	9 1,4-Dichlorobenzene	146	6.497	6.497	(1.003)	163024	10.0000	10.29
$	10 1,2-Dichlorobenzene-d4	152	6.765	6.765	(1.045)	91548	10.0000	10.13
	12 1,2-Dichlorobenzene	146	6.786	6.786	(1.048)	158816	10.0000	10.43
	11 Benzyl alcohol	108	6.791	6.791	(1.049)	103752	10.0000	10.57
	14 2,2'-oxybis(1-Chloropropane)	45	7.058	7.058	(1.090)	196806	10.0000	10.48
	13 2-Methylphenol	108	7.064	7.064	(1.091)	137335	10.0000	10.13
	17 Hexachloroethane	117	7.267	7.267	(1.122)	71660	10.0000	10.69
	16 N-Nitroso-di-n-propylamine	70	7.267	7.267	(1.122)	142000	10.0000	10.94
	15 4-Methylphenol	108	7.299	7.299	(1.127)	138587	10.0000	9.912
$	18 Nitrobenzene-d5	82	7.400	7.400	(0.872)	182964	10.0000	10.58
	19 Nitrobenzene	77	7.427	7.427	(0.875)	203970	10.0000	10.74
	20 Isophorone	82	7.817	7.817	(0.921)	316243	10.0000	10.62
	21 2-Nitrophenol	139	7.945	7.945	(0.936)	69381	10.0000	9.935
	22 2,4-Dimethylphenol	107	8.116	8.116	(0.956)	151469	10.0000	10.40
	23 Bis(2-Chloroethoxy)methane	93	8.250	8.250	(0.972)	172428	10.0000	10.40
	24 Benzoic acid	105	8.340	8.340	(0.982)	141900	20.0000	18.46(MH)
	25 2,4-Dichlorophenol	162	8.340	8.340	(0.982)	107121	10.0000	10.07
	26 1,2,4-Trichlorobenzene	180	8.447	8.447	(0.995)	125667	10.0000	10.24
*	27 Naphthalene-d8	136	8.490	8.490	(1.000)	638713	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	8.522	8.522	(1.004)	399014	10.0000	10.28
	29 4-Chloroaniline	127	8.698	8.698	(1.025)	159048	10.0000	10.16
	30 Hexachlorobutadiene	225	8.869	8.869	(1.045)	80519	10.0000	10.45
	31 4-Chloro-3-methylphenol	107	9.553	9.553	(1.125)	122685	10.0000	10.21
	32 2-Methylnaphthalene	141	9.639	9.639	(1.135)	217228	10.0000	10.34
	33 Hexachlorocyclopentadiene	237	10.029	10.029	(0.886)	38728	10.0000	8.261
	34 2,4,6-Trichlorophenol	196	10.167	10.167	(0.898)	76482	10.0000	9.777
	35 2,4,5-Trichlorophenol	196	10.226	10.226	(0.904)	77613	10.0000	9.547
$	36 2-Fluorobiphenyl	172	10.296	10.296	(0.910)	268743	10.0000	10.25
	37 2-Chloronaphthalene	162	10.397	10.397	(0.919)	237141	10.0000	10.29
	38 2-Nitroaniline	65	10.654	10.654	(0.941)	98341	10.0000	10.46
	39 Dimethylphthalate	163	11.060	11.060	(0.977)	254232	10.0000	10.40
	40 Acenaphthylene	152	11.060	11.060	(0.977)	369465	10.0000	10.37
	41 2,6-Dinitrotoluene	165	11.134	11.134	(0.984)	56456	10.0000	10.13
*	42 Acenaphthene-d10	164	11.316	11.316	(1.000)	351204	20.0000	
	43 3-Nitroaniline	138	11.327	11.327	(1.001)	61048	10.0000	10.25
	44 Acenaphthene	153	11.364	11.364	(1.004)	233152	10.0000	10.34
	45 2,4-Dinitrophenol	184	11.492	11.492	(1.016)	13429	20.0000	12.41 (M)
	46 Dibenzofuran	168	11.626	11.626	(1.027)	317213	10.0000	10.22
	47 4-Nitrophenol	109	11.701	11.701	(1.034)	39803	10.0000	10.27 (M)
	48 2,4-Dinitrotoluene	165	11.743	11.743	(1.038)	70859	10.0000	10.02
	50 Diethylphthalate	149	12.208	12.208	(1.079)	242579	10.0000	10.27
	49 Fluorene	166	12.171	12.171	(1.076)	256550	10.0000	10.19
	51 4-Chlorophenyl-phenylether	204	12.230	12.230	(1.081)	135916	10.0000	10.28
	52 4-Nitroaniline	138	12.304	12.304	(1.087)	52126	10.0000	9.969
	53 4,6-Dinitro-2-methylphenol	198	12.384	12.384	(0.908)	55412	20.0000	18.60
	54 N-Nitrosodiphenylamine	169	12.443	12.443	(0.912)	182757	10.0000	10.39
$	55 2,4,6-Tribromophenol	330	12.593	12.593	(1.113)	32523	10.0000	9.630
	56 4-Bromophenyl-phenylether	248	12.993	12.993	(0.952)	72977	10.0000	10.15
	57 Hexachlorobenzene	284	13.180	13.180	(0.966)	76141	10.0000	10.11
	58 Pentachlorophenol	266	13.496	13.496	(0.989)	37752	10.0000	9.200
*	59 Phenanthrene-d10	188	13.645	13.645	(1.000)	512120	20.0000	
	60 Phenanthrene	178	13.683	13.683	(1.003)	351751	10.0000	10.32
	61 Anthracene	178	13.752	13.752	(1.008)	353494	10.0000	10.33
	62 Carbazole	167	14.057	14.057	(1.030)	288667	10.0000	10.48
	63 Di-n-butylphthalate	149	14.842	14.842	(1.088)	345034	10.0000	10.45
	64 Fluoranthene	202	15.584	15.584	(1.142)	341616	10.0000	10.16
	65 Pyrene	202	15.926	15.926	(0.890)	369931	10.0000	10.57
$	66 Terphenyl-d14	244	16.300	16.300	(0.911)	231491	10.0000	10.52
	67 Butylbenzylphthalate	149	17.219	17.219	(0.962)	138839	10.0000	10.69
	68 Benzo(a)anthracene	228	17.876	17.876	(0.999)	327511	10.0000	10.43
*	69 Chrysene-d12	240	17.898	17.898	(1.000)	415649	20.0000	
	70 3,3'-Dichlorobenzidine	252	17.930	17.930	(1.002)	116759	10.0000	10.32
	71 Chrysene	228	17.935	17.935	(1.002)	320394	10.0000	10.27
	72 bis(2-Ethylhexyl)phthalate	149	18.245	18.245	(0.952)	185862	10.0000	10.67
*	134 Di-n-octylphthalate-d4	153	19.174	19.174	(1.000)	689842	20.0000	
	73 Di-n-octylphthalate	149	19.180	19.180	(1.000)	344359	10.0000	10.45

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	19.506	19.506	(0.974)	325410	10.0000	10.03 (H)
75	Benzo(k)fluoranthene	252	19.538	19.538	(0.976)	357719	10.0000	10.67
76	Benzo(a)pyrene	252	19.938	19.938	(0.996)	313567	10.0000	10.04
* 77	Perylene-d12	264	20.024	20.024	(1.000)	494060	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.359	21.359	(1.067)	378463	10.0000	9.965
79	Dibenzo(a,h)anthracene	278	21.391	21.391	(1.068)	387263	10.0000	10.38
80	Benzo(g,h,i)perylene	276	21.648	21.648	(1.081)	419952	10.0000	10.56
90	N-Nitrosodimethylamine	74	2.026	2.026	(0.313)	105578	10.0000	10.58
103	Pyridine	79	2.010	2.010	(0.310)	212811	10.0000	10.41
91	Aniline	93	6.049	6.049	(0.934)	244539	10.0000	10.05
105	1-methylnaphthalene	141	9.799	9.799	(1.154)	227157	10.0000	10.35
93	Benzidine	184	15.878	15.878	(0.887)	97674	10.0000	8.113
98	Retene	219	16.525	16.525	(0.923)	160336	10.0000	10.58
111	Azobenzene (1,2-DP-Hydrazine)	77	12.475	12.475	(1.102)	360042	10.0000	10.48
144	alpha-Terpineol	59	8.592	8.592	(1.012)	119640	10.0000	10.24
143	1,4-Dioxane	88	1.625	1.625	(0.251)	69051	10.0000	9.933
$ 137	d8-1,4-Dioxane	96	1.593	1.593	(0.246)	66414	10.0000	9.974
133	Butylatedhydroxytoluene	205	11.556	11.556	(1.021)	179420	10.0000	9.025
115	Tributyl Phosphate	99	12.603	12.603	(0.924)	276464	10.0000	10.75
116	Dibutyl Phenyl Phosphate	175	14.297	14.297	(1.048)	208501	10.0000	10.42
117	Butyl Diphenyl Phosphate	94	15.942	15.942	(0.891)	65625	10.0000	10.97
118	Triphenyl Phosphate	326	17.513	17.513	(0.978)	49934	10.0000	10.07

QC Flag Legend

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

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0100705.d
Lab Smp Id: ABN 10
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060705.b/SW846.m
Misc Info:

Calibration Date: 05-JUL-2006
Calibration Time: 10:16

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	200696	100348	401392	184947	-7.85
27 Naphthalene-d8	684917	342458	1369834	638713	-6.75
42 Acenaphthene-d10	379750	189875	759500	351204	-7.52
59 Phenanthrene-d10	559641	279820	1119282	512120	-8.49
69 Chrysene-d12	488455	244228	976910	415649	-14.91
134 Di-n-octylphthala	797584	398792	1595168	689842	-13.51
77 Perylene-d12	578815	289408	1157630	494060	-14.64

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.47	5.97	6.97	6.48	0.05
27 Naphthalene-d8	8.49	7.99	8.99	8.49	-0.02
42 Acenaphthene-d10	11.32	10.82	11.82	11.32	-0.02
59 Phenanthrene-d10	13.65	13.15	14.15	13.65	-0.01
69 Chrysene-d12	17.90	17.40	18.40	17.90	-0.04
134 Di-n-octylphthala	19.18	18.68	19.68	19.17	-0.01
77 Perylene-d12	20.02	19.52	20.52	20.02	0.02

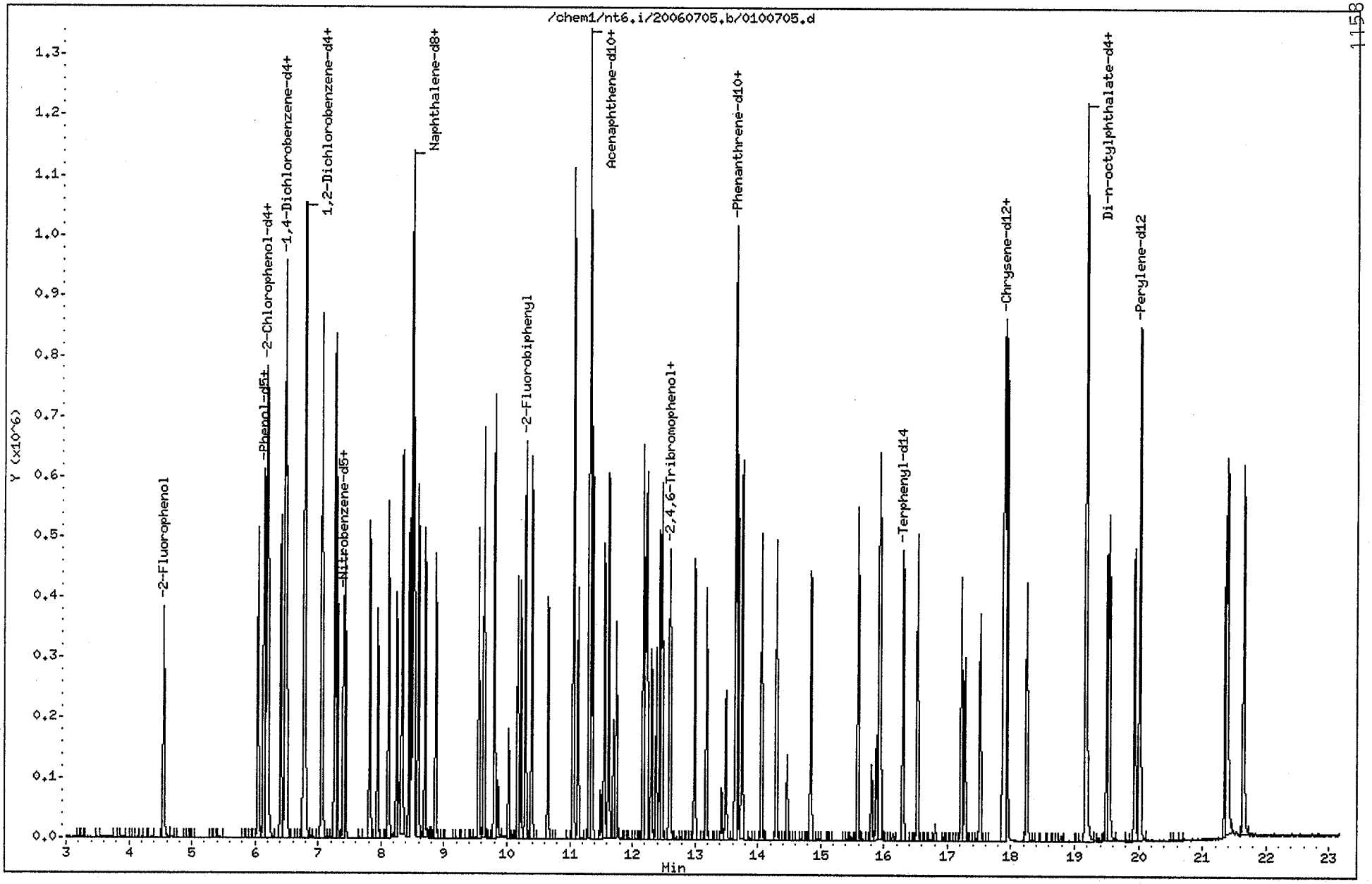
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060705.b/0100705.d
Date : 05-JUL-2006 12:49
Client ID:
Sample Info: ABN 10

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32

Column phase: ZB-5



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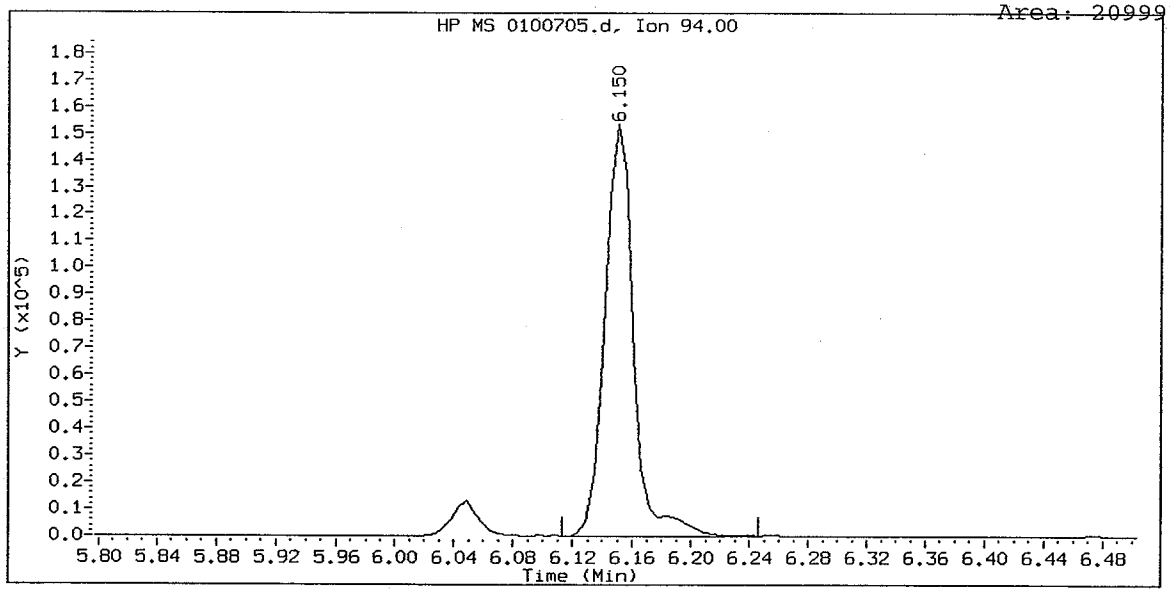
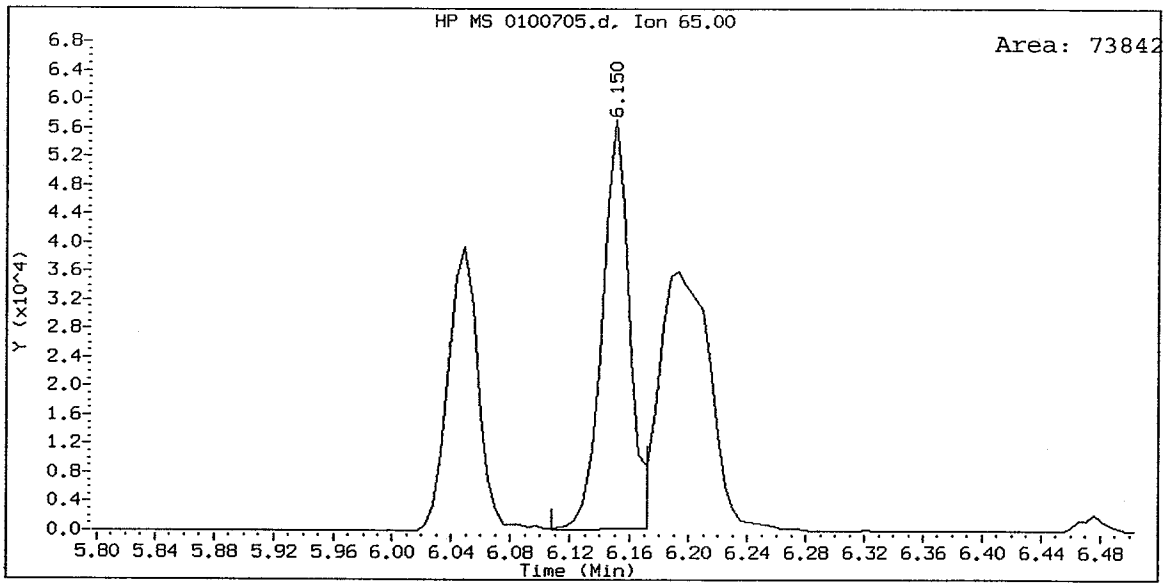
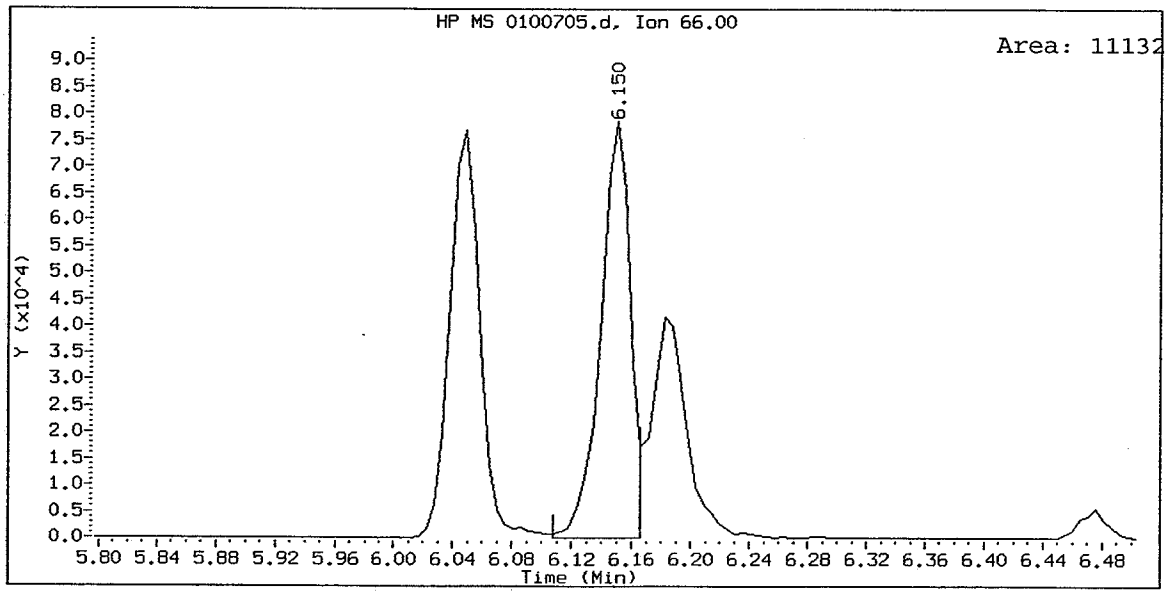
Phenol Amount: 10.19







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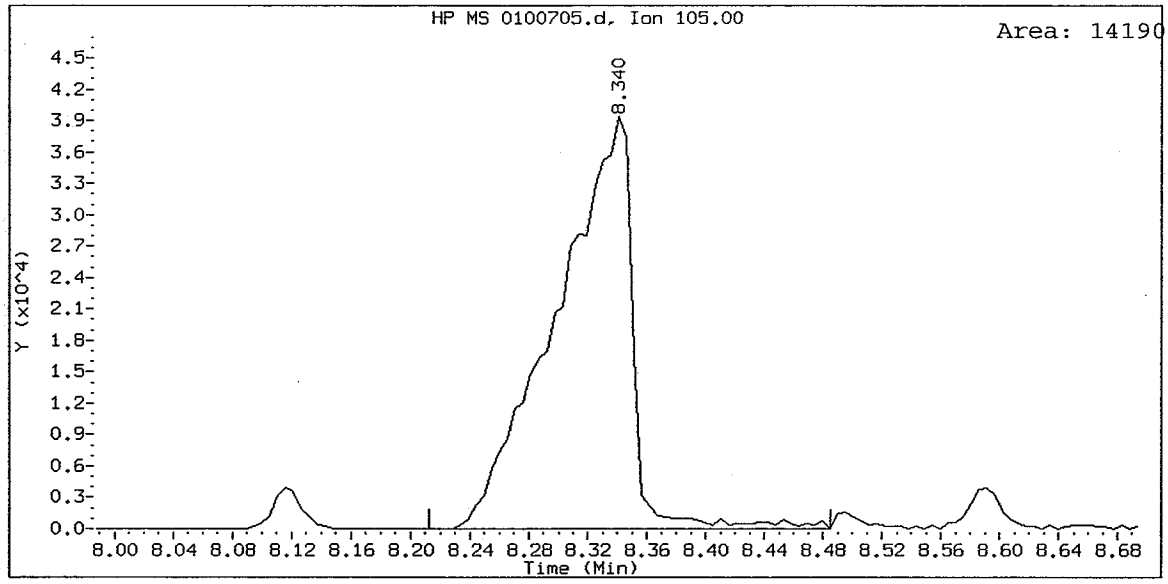
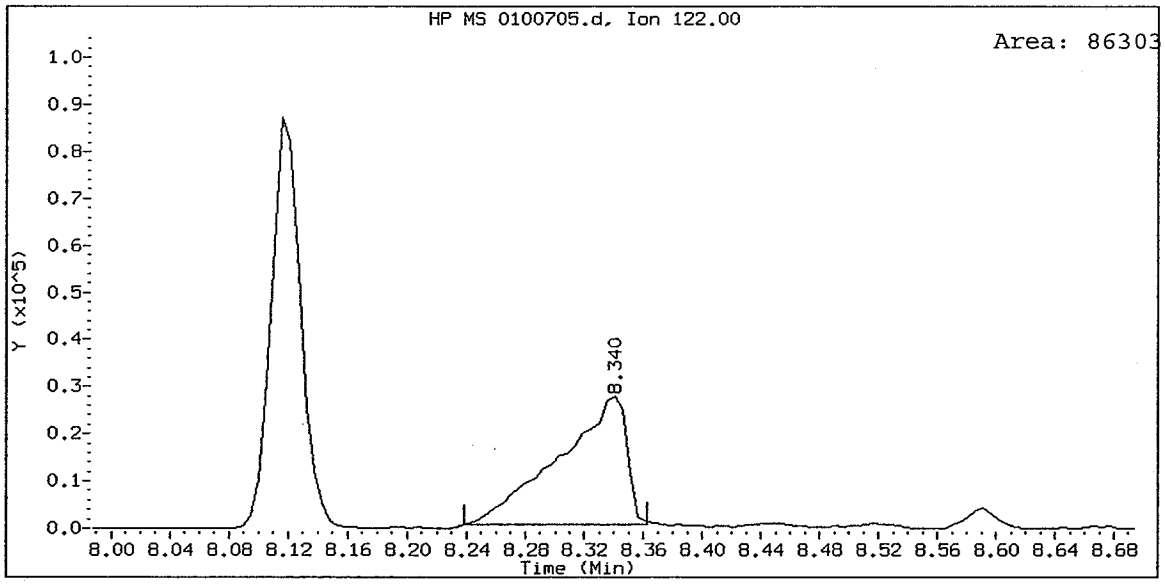
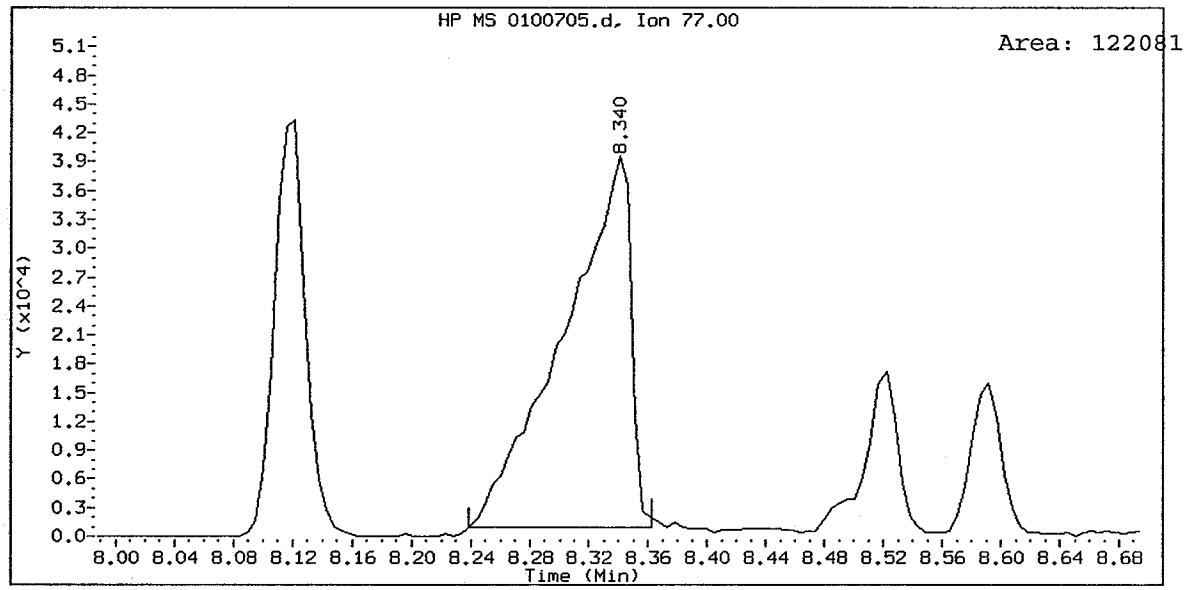
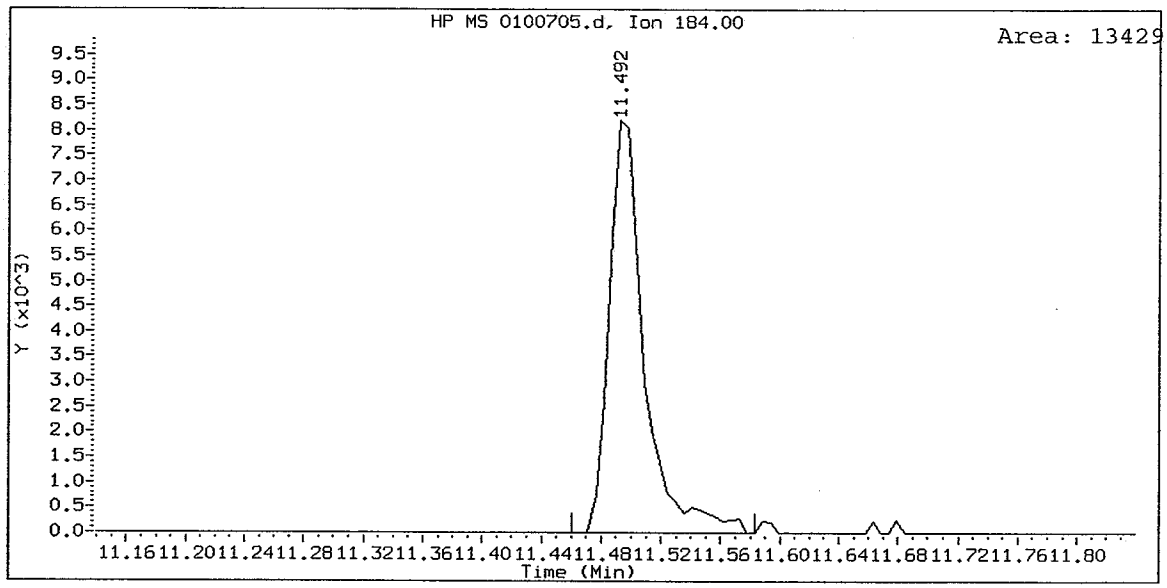
Benzoic acid Amount: 18.46

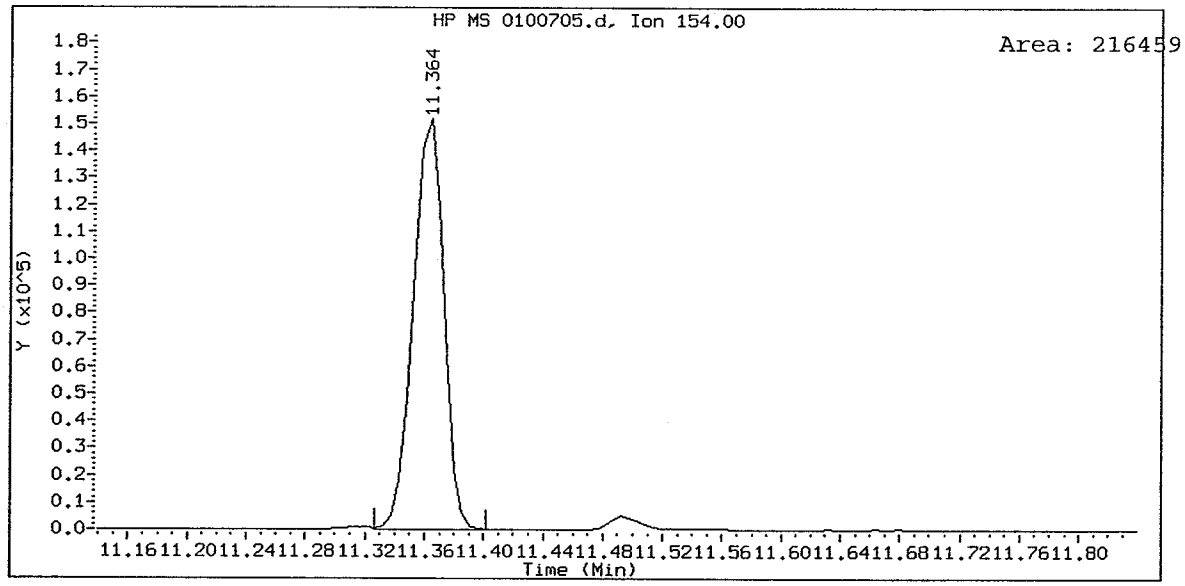


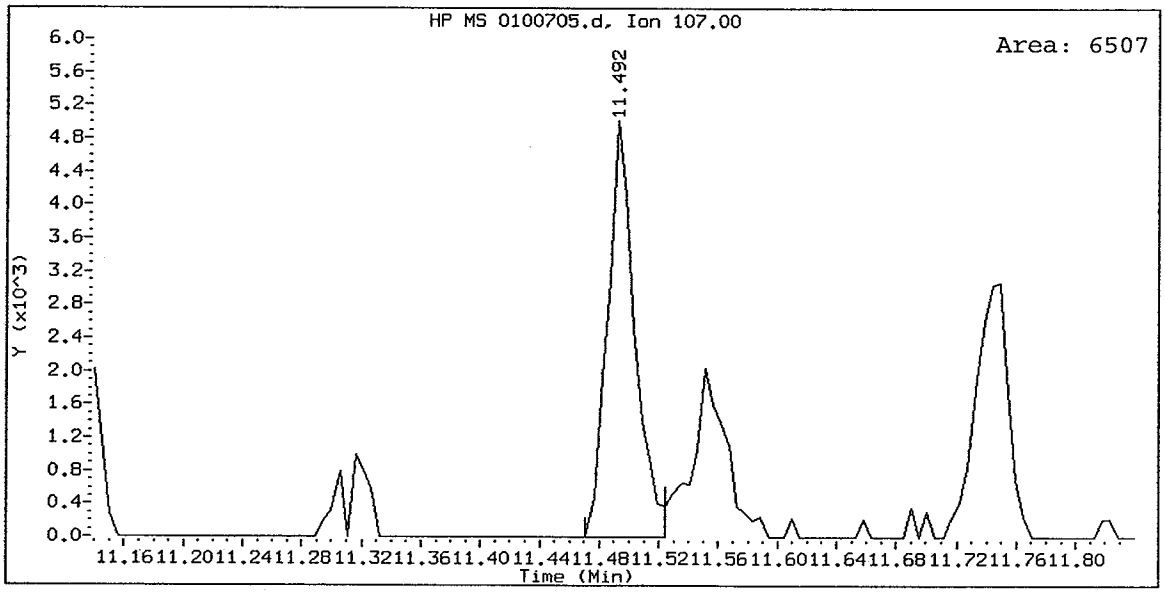




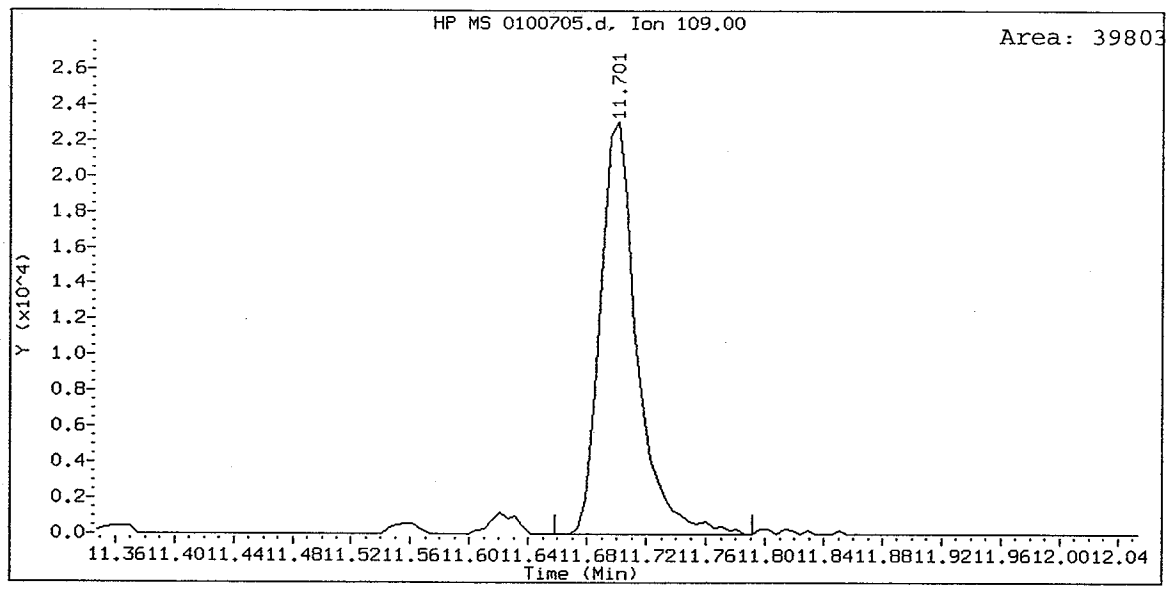
ABN 10, /chem1/nt6.i/20060705.b/0100705.d
2,4-Dinitrophenol Amount: 12.41

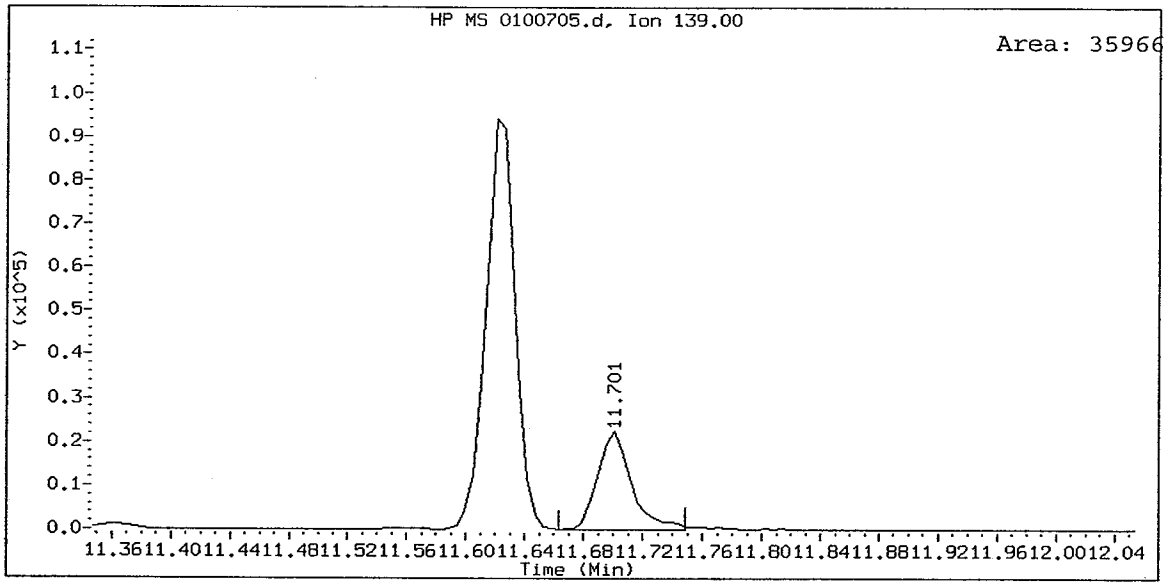


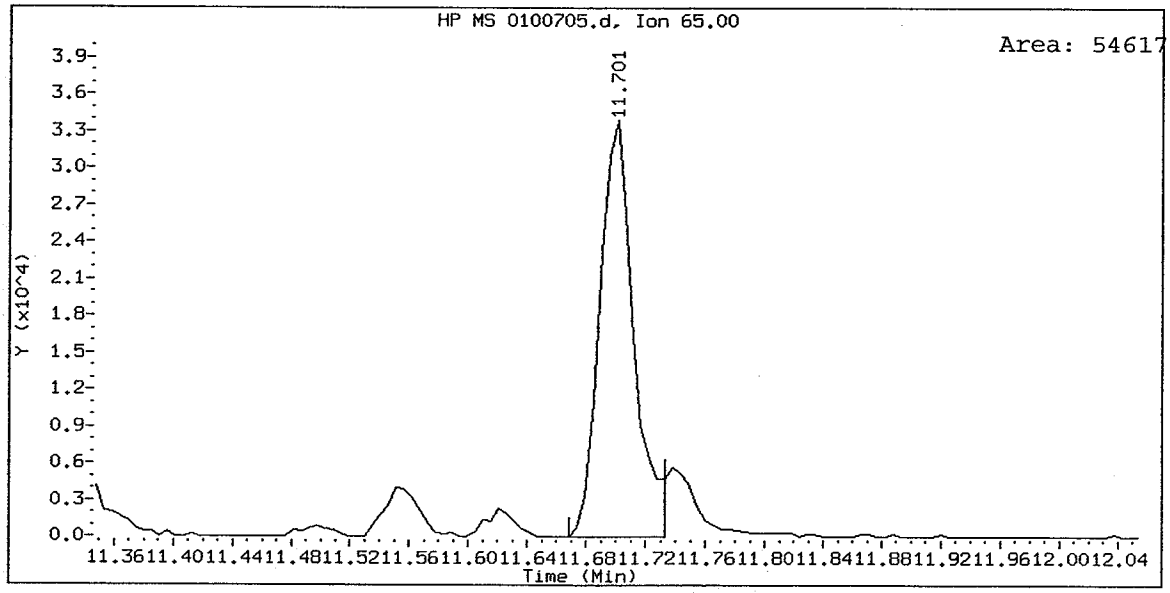




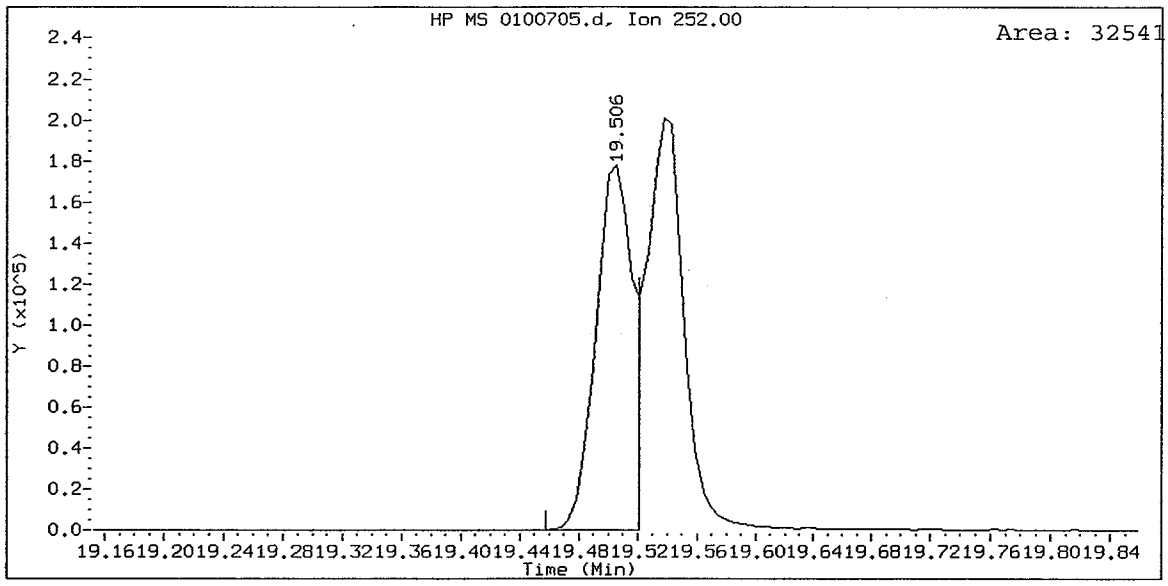
ABN 10, /chem1/nt6.i/20060705.b/0100705.d
4-Nitrophenol Amount: 10.27

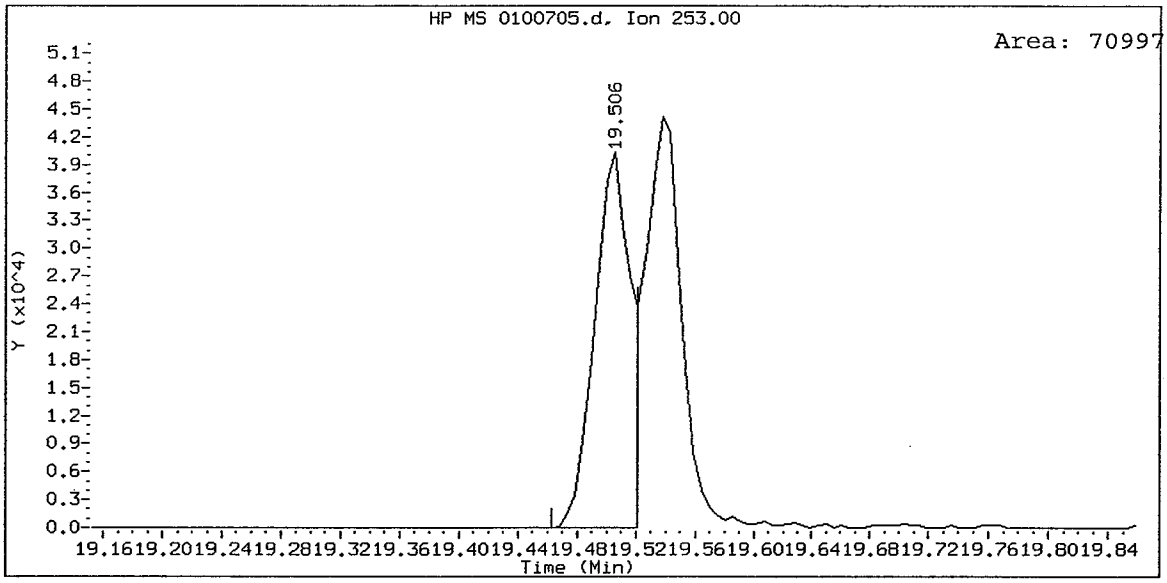


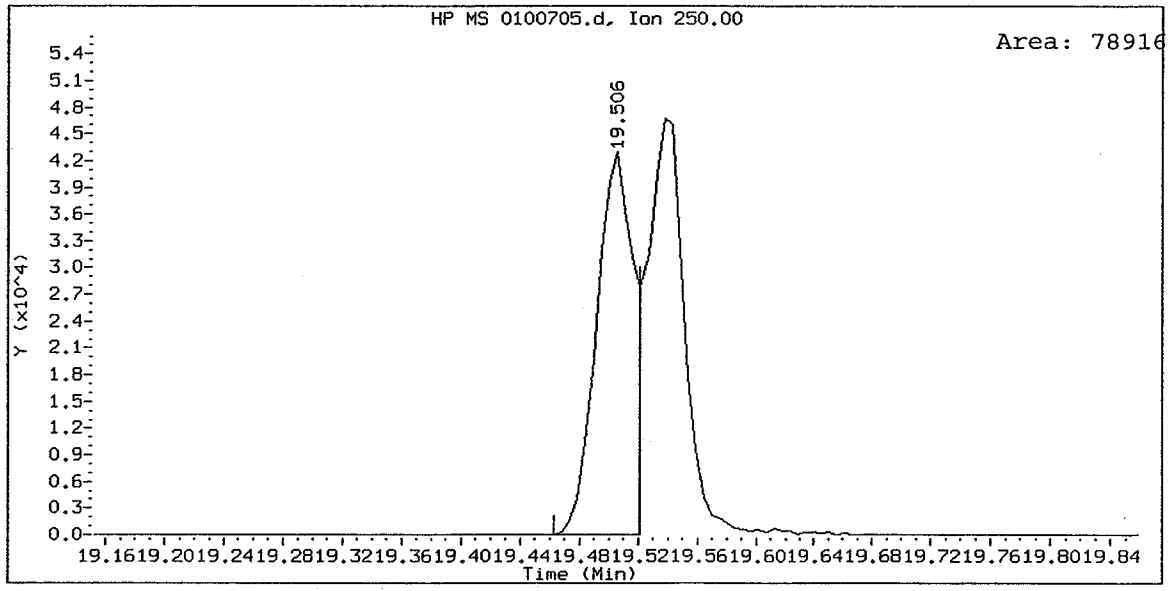




ABN 10, /chem1/nt6.i/20060705.b/0100705.d
Benzo(b)fluoranthene Amount: 10.03







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060705.b/0250705.d
Lab Smp Id: ABN 25
Inj Date : 05-JUL-2006 10:16
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 25
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060705.b/SW846.m
Meth Date : 05-Jul-2006 13:42 jeff Quant Type: ISTD
Cal Date : 05-JUL-2006 12:49 Cal File: 0100705.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 7/5/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	4.544	4.548	(0.702)	363774	25.0000	24.56 (M)
$	2 Phenol-d5	99	6.136	6.134	(0.948)	432334	25.0000	24.09
	3 Phenol	94	6.158	6.150	(0.951)	531797	25.0000	23.78 (M)
$	5 2-Chlorophenol-d4	132	6.184	6.188	(0.955)	365223	25.0000	24.00
	4 Bis(2-Chloroethyl)ether	93	6.190	6.188	(0.956)	407278	25.0000	24.48
	6 2-Chlorophenol	128	6.211	6.209	(0.960)	368031	25.0000	23.92
	7 1,3-Dichlorobenzene	146	6.409	6.407	(0.990)	402813	25.0000	24.09
*	8 1,4-Dichlorobenzene-d4	152	6.473	6.476	(1.000)	200696	20.0000	
	9 1,4-Dichlorobenzene	146	6.499	6.497	(1.004)	411634	25.0000	23.95
$	10 1,2-Dichlorobenzene-d4	152	6.767	6.765	(1.045)	233111	25.0000	23.77
	12 1,2-Dichlorobenzene	146	6.788	6.786	(1.049)	402723	25.0000	24.37
	11 Benzyl alcohol	108	6.793	6.791	(1.050)	262073	25.0000	24.60
	14 2,2'-oxybis(1-Chloropropane)	45	7.055	7.058	(1.090)	500929	25.0000	24.59
	13 2-Methylphenol	108	7.066	7.064	(1.092)	359742	25.0000	24.45
	17 Hexachloroethane	117	7.263	7.267	(1.122)	181895	25.0000	25.00
	16 N-Nitroso-di-n-propylamine	70	7.274	7.267	(1.124)	340966	25.0000	24.22
	15 4-Methylphenol	108	7.306	7.299	(1.129)	362919	25.0000	23.92
$	18 Nitrobenzene-d5	82	7.402	7.400	(0.872)	442175	25.0000	23.85
	19 Nitrobenzene	77	7.429	7.427	(0.875)	497457	25.0000	24.44
	20 Isophorone	82	7.819	7.817	(0.921)	783643	25.0000	24.54
	21 2-Nitrophenol	139	7.947	7.945	(0.936)	182333	25.0000	24.35
	22 2,4-Dimethylphenol	107	8.123	8.116	(0.957)	373677	25.0000	23.92
	23 Bis(2-Chloroethoxy)methane	93	8.252	8.250	(0.972)	436013	25.0000	24.51
	24 Benzoic acid	105	8.364	8.340	(0.985)	210081	25.0000	25.48 (M)
	25 2,4-Dichlorophenol	162	8.342	8.340	(0.982)	274146	25.0000	24.03
	26 1,2,4-Trichlorobenzene	180	8.449	8.447	(0.995)	317155	25.0000	24.11
*	27 Naphthalene-d8	136	8.492	8.490	(1.000)	684917	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	8.524	8.522	(1.004)	1014748	25.0000	24.37
	29 4-Chloroaniline	127	8.700	8.698	(1.025)	410016	25.0000	24.42
	30 Hexachlorobutadiene	225	8.866	8.869	(1.044)	201447	25.0000	24.37
	31 4-Chloro-3-methylphenol	107	9.555	9.553	(1.125)	316100	25.0000	24.53
	32 2-Methylnaphthalene	141	9.641	9.639	(1.135)	540371	25.0000	24.00
	33 Hexachlorocyclopentadiene	237	10.025	10.029	(0.886)	133428	25.0000	26.32
	34 2,4,6-Trichlorophenol	196	10.169	10.167	(0.899)	202472	25.0000	23.94
	35 2,4,5-Trichlorophenol	196	10.228	10.226	(0.904)	218750	25.0000	24.89
$	36 2-Fluorobiphenyl	172	10.303	10.296	(0.910)	670966	25.0000	23.66
	37 2-Chloronaphthalene	162	10.399	10.397	(0.919)	601907	25.0000	24.16
	38 2-Nitroaniline	65	10.661	10.654	(0.942)	240054	25.0000	23.62
	39 Dimethylphthalate	163	11.062	11.060	(0.977)	643086	25.0000	24.33
	40 Acenaphthylene	152	11.062	11.060	(0.977)	948979	25.0000	24.64
	41 2,6-Dinitrotoluene	165	11.136	11.134	(0.984)	148582	25.0000	24.66
*	42 Acenaphthene-d10	164	11.318	11.316	(1.000)	379750	20.0000	
	43 3-Nitroaniline	138	11.334	11.327	(1.001)	158654	25.0000	24.63
	44 Acenaphthene	153	11.366	11.364	(1.004)	594797	25.0000	24.39
	45 2,4-Dinitrophenol	184	11.494	11.492	(1.016)	22742	25.0000	19.44 (M)
	46 Dibenzofuran	168	11.628	11.626	(1.027)	810245	25.0000	24.15
	47 4-Nitrophenol	109	11.703	11.701	(1.034)	101307	25.0000	24.17
	48 2,4-Dinitrotoluene	165	11.745	11.743	(1.038)	189231	25.0000	24.75
	50 Diethylphthalate	149	12.216	12.208	(1.079)	611365	25.0000	23.94
	49 Fluorene	166	12.173	12.171	(1.076)	670900	25.0000	24.65
	51 4-Chlorophenyl-phenylether	204	12.232	12.230	(1.081)	342659	25.0000	23.97
	52 4-Nitroaniline	138	12.312	12.304	(1.088)	139000	25.0000	24.59 (M)
	53 4,6-Dinitro-2-methylphenol	198	12.386	12.384	(0.908)	78086	25.0000	23.98
	54 N-Nitrosodiphenylamine	169	12.445	12.443	(0.912)	469822	25.0000	24.44
$	55 2,4,6-Tribromophenol	330	12.595	12.593	(1.113)	90285	25.0000	24.72
	56 4-Bromophenyl-phenylether	248	12.995	12.993	(0.952)	194700	25.0000	24.78
	57 Hexachlorobenzene	284	13.182	13.180	(0.966)	201529	25.0000	24.48
	58 Pentachlorophenol	266	13.498	13.496	(0.989)	118263	25.0000	26.37
*	59 Phenanthrene-d10	188	13.647	13.645	(1.000)	559641	20.0000	
	60 Phenanthrene	178	13.685	13.683	(1.003)	917135	25.0000	24.62
	61 Anthracene	178	13.754	13.752	(1.008)	927330	25.0000	24.79
	62 Carbazole	167	14.064	14.057	(1.031)	735387	25.0000	24.42
	63 Di-n-butylphthalate	149	14.844	14.842	(1.088)	907406	25.0000	25.16
	64 Fluoranthene	202	15.592	15.584	(1.142)	924380	25.0000	25.17
	65 Pyrene	202	15.928	15.926	(0.890)	983849	25.0000	23.91
$	66 Terphenyl-d14	244	16.302	16.300	(0.910)	619651	25.0000	23.96
	67 Butylbenzylphthalate	149	17.221	17.219	(0.962)	380254	25.0000	24.91
	68 Benzo(a)anthracene	228	17.878	17.876	(0.998)	896880	25.0000	24.32
*	69 Chrysene-d12	240	17.905	17.898	(1.000)	488455	20.0000	
	70 3,3'-Dichlorobenzidine	252	17.932	17.930	(1.001)	329732	25.0000	24.79
	71 Chrysene	228	17.942	17.935	(1.002)	891264	25.0000	24.32
	72 bis(2-Ethylhexyl)phthalate	149	18.247	18.245	(0.952)	515180	25.0000	25.58
*	134 Di-n-octylphthalate-d4	153	19.176	19.174	(1.000)	797584	20.0000	
	73 Di-n-octylphthalate	149	19.182	19.180	(1.000)	931747	25.0000	24.46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	19.513	19.506	(0.975)	971082	25.0000	25.55
75	Benzo(k)fluoranthene	252	19.545	19.538	(0.976)	969613	25.0000	24.68
76	Benzo(a)pyrene	252	19.946	19.938	(0.996)	912968	25.0000	24.96
* 77	Perylene-d12	264	20.020	20.024	(1.000)	578815	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.367	21.359	(1.067)	1100865	25.0000	24.74
79	Dibenzo(a,h)anthracene	278	21.404	21.391	(1.069)	1112466	25.0000	25.45
80	Benzo(g,h,i)perylene	276	21.660	21.648	(1.082)	1173451	25.0000	25.19
90	N-Nitrosodimethylamine	74	2.028	2.026	(0.313)	268061	25.0000	24.76
103	Pyridine	79	2.007	2.010	(0.310)	540429	25.0000	24.36
91	Aniline	93	6.051	6.049	(0.935)	649874	25.0000	24.62
105	1-methylnaphthalene	141	9.801	9.799	(1.154)	579953	25.0000	24.64
93	Benzidine	184	15.886	15.878	(0.887)	360254	25.0000	25.46
98	Retene	219	16.527	16.525	(0.923)	427440	25.0000	23.99
111	Azobenzene (1,2-DP-Hydrazine)	77	12.477	12.475	(1.102)	919768	25.0000	24.75
144	alpha-Terpineol	59	8.594	8.592	(1.012)	302823	25.0000	24.17
143	1,4-Dioxane	88	1.617	1.625	(0.250)	188036	25.0000	24.93
$ 137	d8-1,4-Dioxane	96	1.590	1.593	(0.246)	179510	25.0000	24.84
133	Butylatedhydroxytoluene	205	11.558	11.556	(1.021)	530398	25.0000	24.67
115	Tributyl Phosphate	99	12.611	12.603	(0.924)	695732	25.0000	24.75
116	Dibutyl Phenyl Phosphate	175	14.299	14.297	(1.048)	545696	25.0000	24.95
117	Butyl Diphenyl Phosphate	94	15.944	15.942	(0.890)	170121	25.0000	24.20
118	Triphenyl Phosphate	326	17.515	17.513	(0.978)	140344	25.0000	24.08

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0250705.d
Lab Smp Id: ABN 25
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060705.b/SW846.m
Misc Info:

Calibration Date: 05-JUL-2006
Calibration Time: 10:16

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	200696	100348	401392	200696	0.00
27 Naphthalene-d8	684917	342458	1369834	684917	0.00
42 Acenaphthene-d10	379750	189875	759500	379750	0.00
59 Phenanthrene-d10	559641	279820	1119282	559641	0.00
69 Chrysene-d12	488455	244228	976910	488455	0.00
134 Di-n-octylphthala	797584	398792	1595168	797584	0.00
77 Perylene-d12	578815	289408	1157630	578815	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.47	5.97	6.97	6.47	0.00
27 Naphthalene-d8	8.49	7.99	8.99	8.49	0.00
42 Acenaphthene-d10	11.32	10.82	11.82	11.32	0.00
59 Phenanthrene-d10	13.65	13.15	14.15	13.65	0.00
69 Chrysene-d12	17.90	17.40	18.40	17.90	0.00
134 Di-n-octylphthala	19.18	18.68	19.68	19.18	0.00
77 Perylene-d12	20.02	19.52	20.52	20.02	0.00

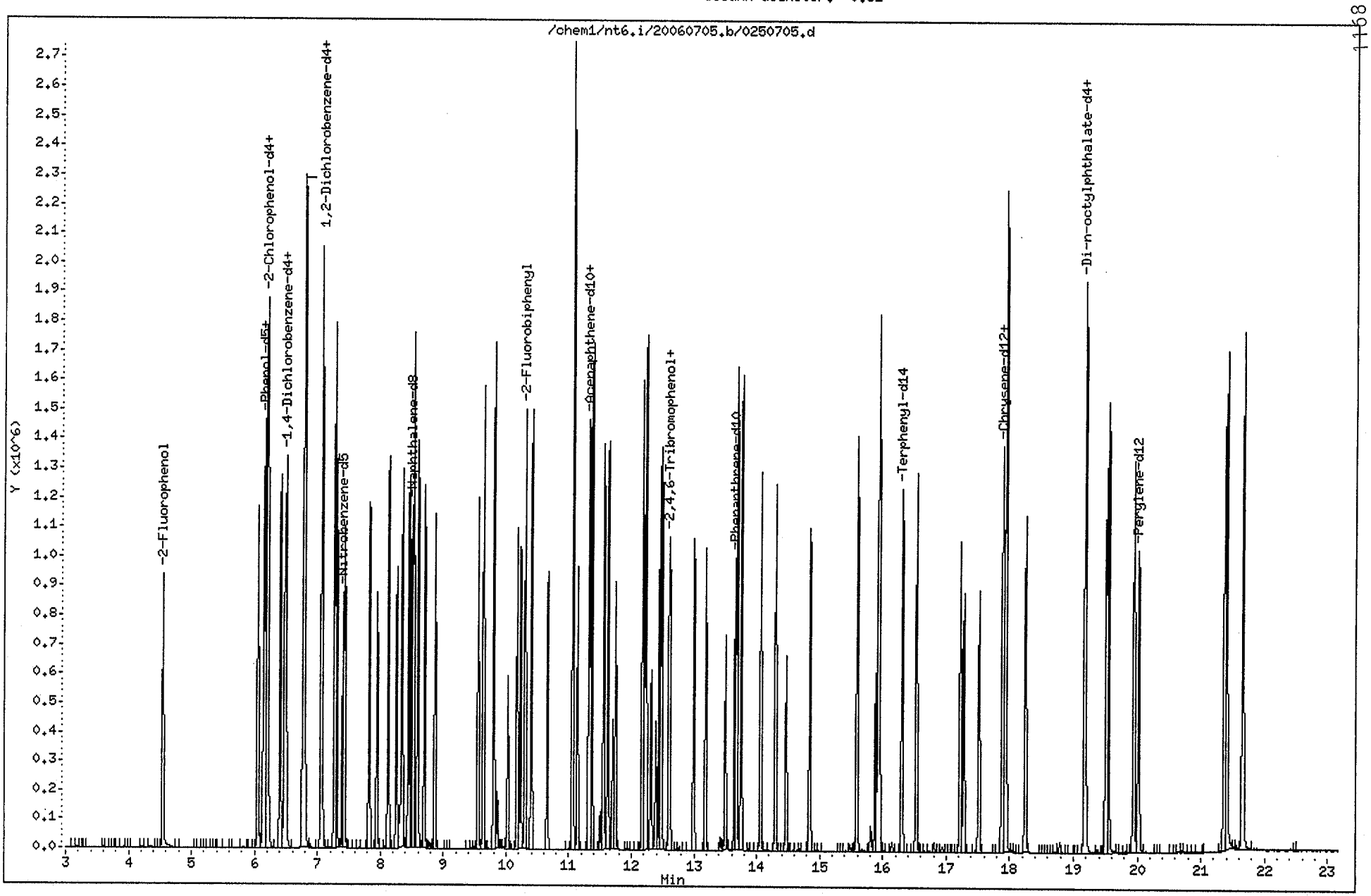
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060705.b/0250705.d
Date : 05-JUL-2006 10:16
Client ID:
Sample Info: ABN 25

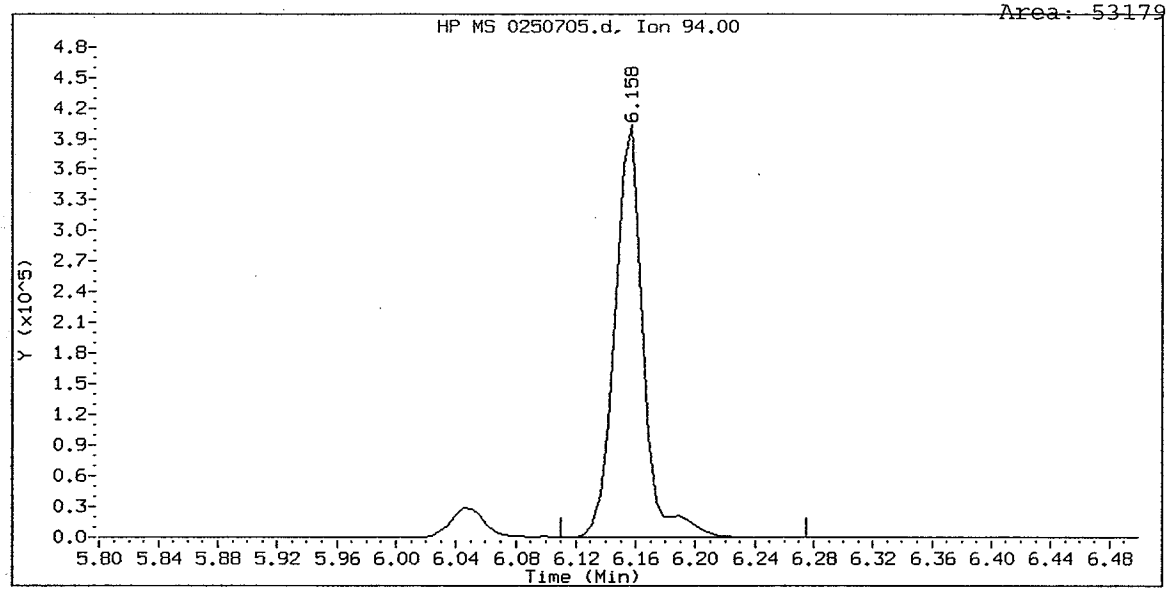
Instrument: nt6.i

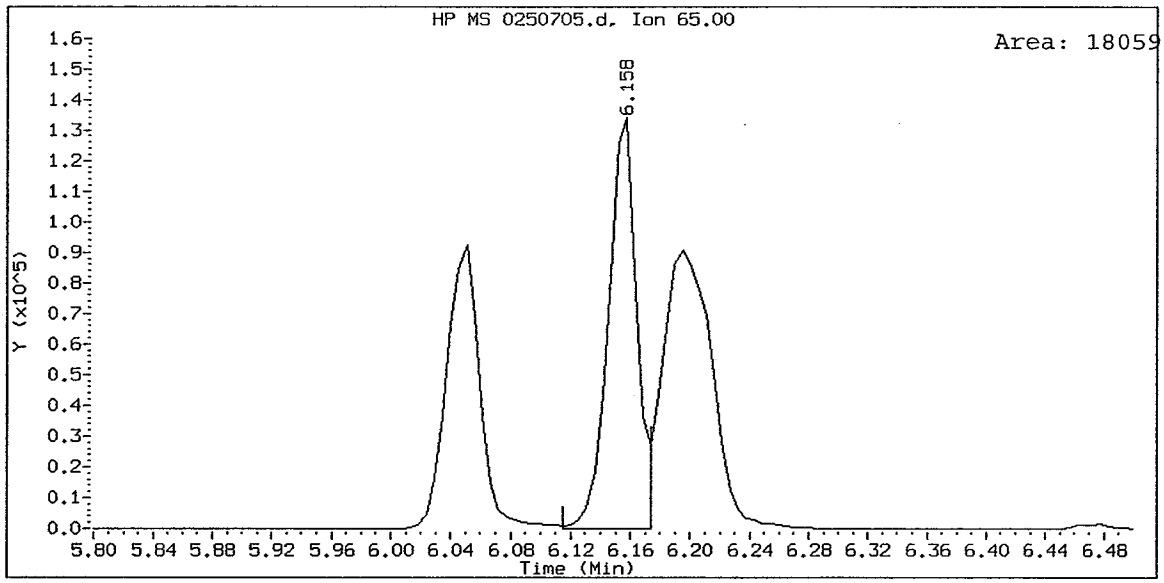
Operator: LJR
Column diameter: 0.32

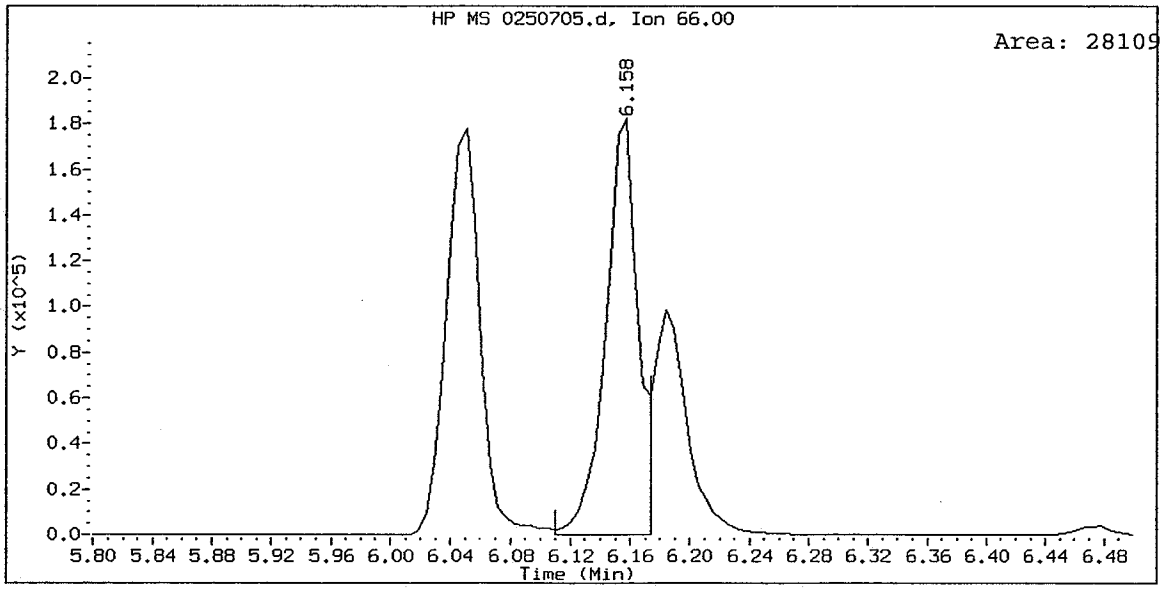
Column phase: ZB-5



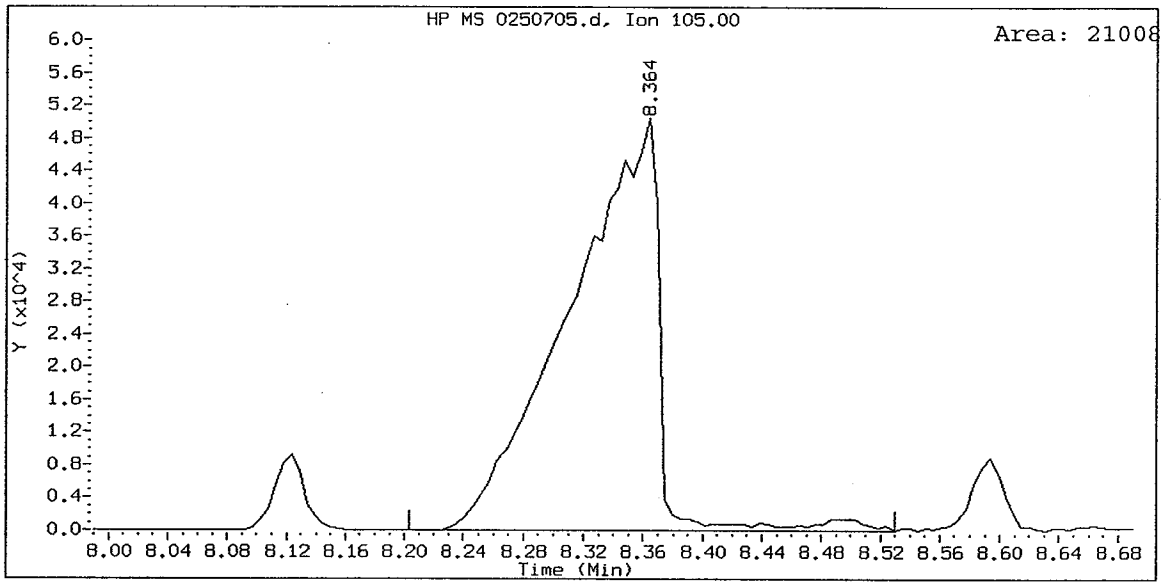
ABN 25, /chem1/nt6.i/20060705.b/0250705.d
Phenol Amount: 23.78

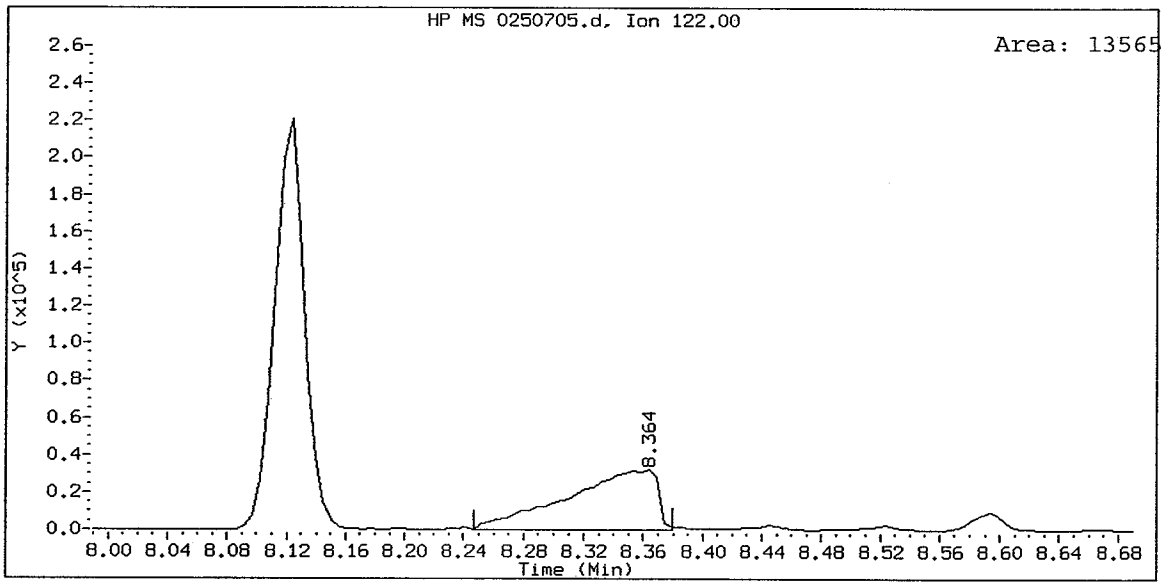


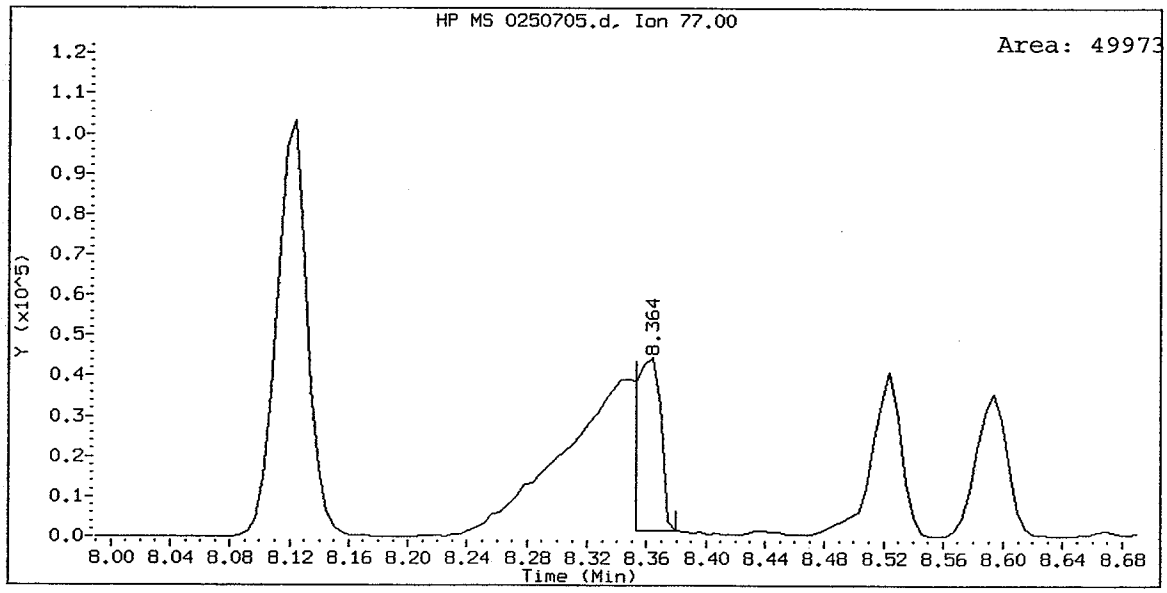




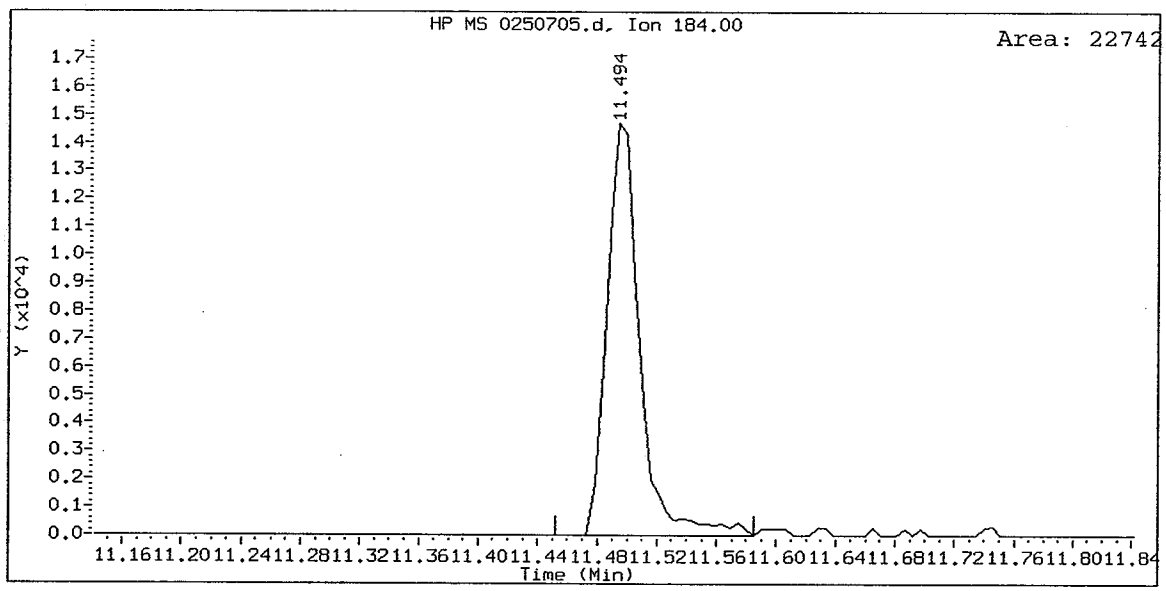
ABN 25, /chem1/nt6.i/20060705.b/0250705.d
Benzoic acid Amount: 25.48

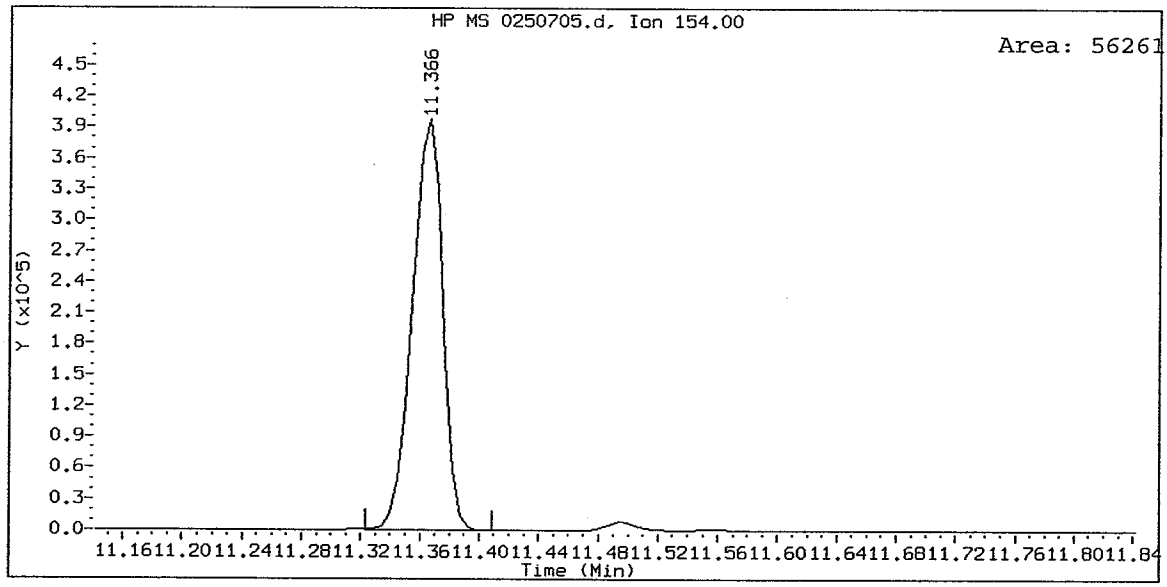


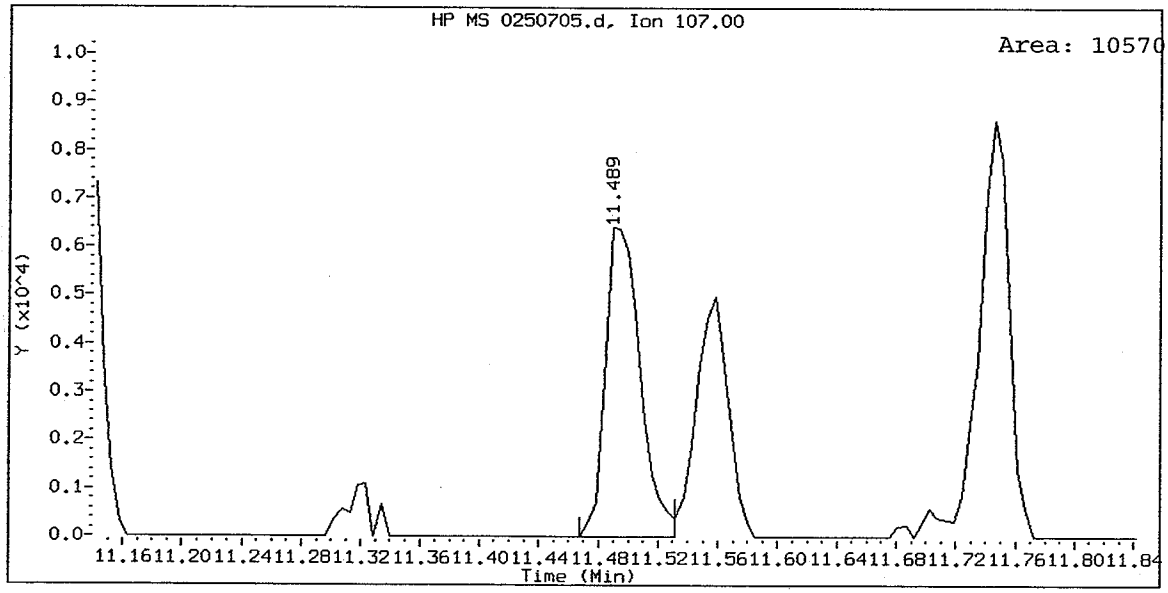




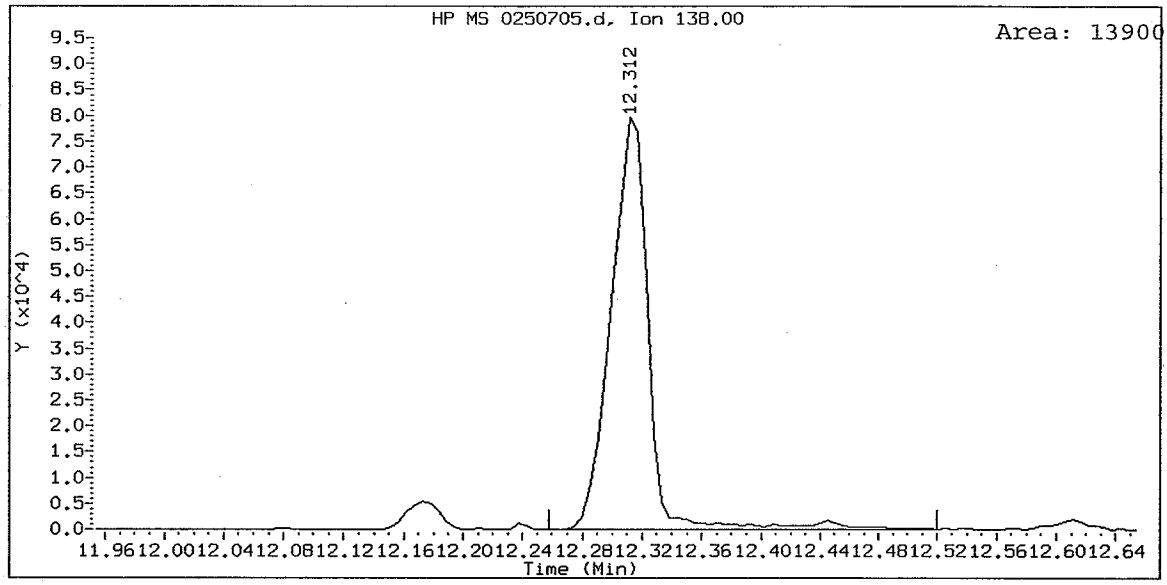
ABN 25, /chem1/nt6.i/20060705.b/0250705.d
2,4-Dinitrophenol Amount: 19.44

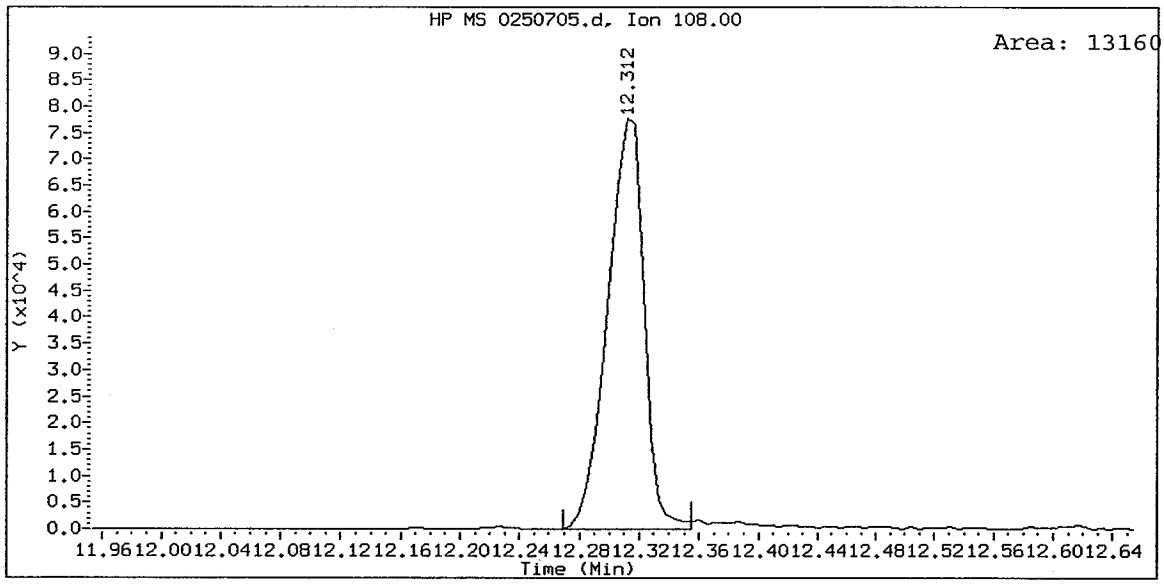


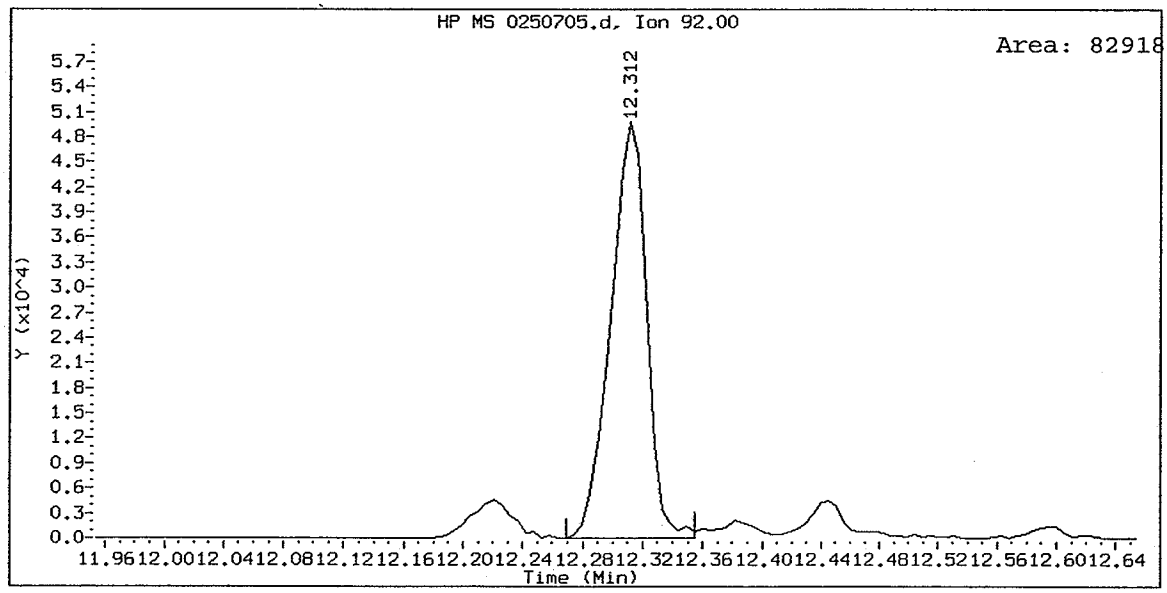




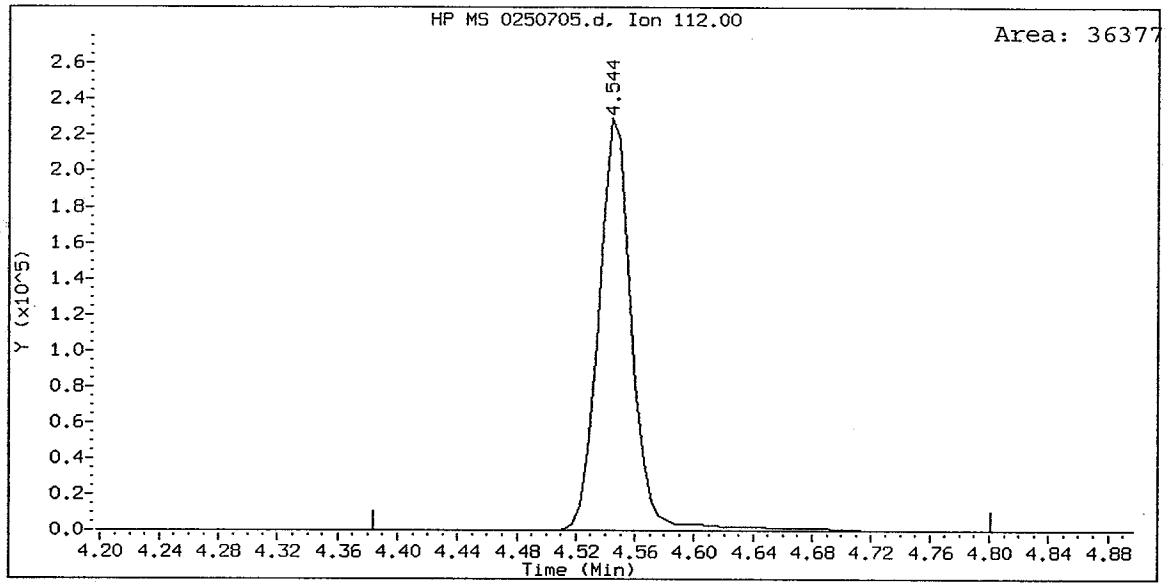
ABN 25, /chem1/nt6.i/20060705.b/0250705.d
4-Nitroaniline Amount: 24.59

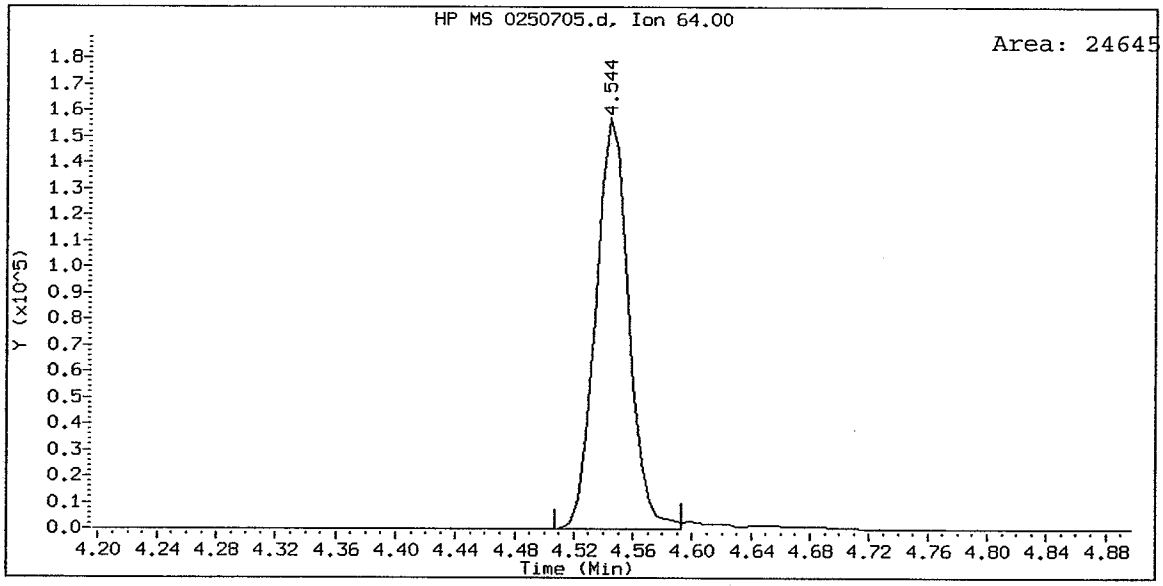






ABN 25, /chem1/nt6.i/20060705.b/0250705.d
2-Fluorophenol Amount: 24.56





Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem1/nt6.i/20060705.b/ddt.b/0250705.d
Method: /chem1/nt6.i/20060705.b/ddt.b/sw846ddt.m
Analysis Date: 05-JUL-2006 10:16

ARI ID:
Misc:
Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	13.498	118263
Benzidine	15.886	360254
4,4'-DDE	----	----
4,4'-DDD	16.810	10841
4,4'-DDT	17.280	269133

LTK 7/5/06

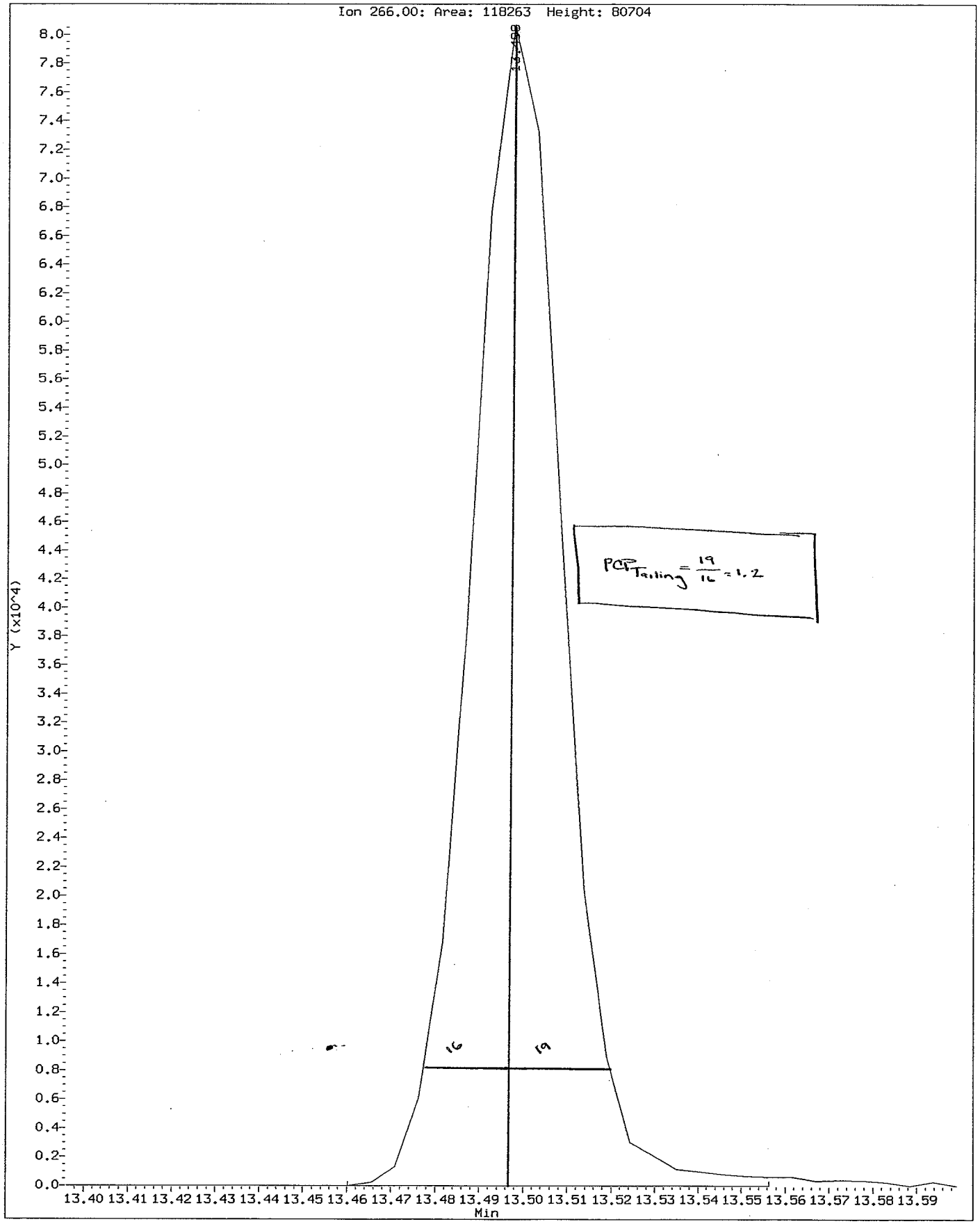
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 10841) * 100}{(0 + 10841 + 269133)}$$

DDT Percent Breakdown = 3.9 %

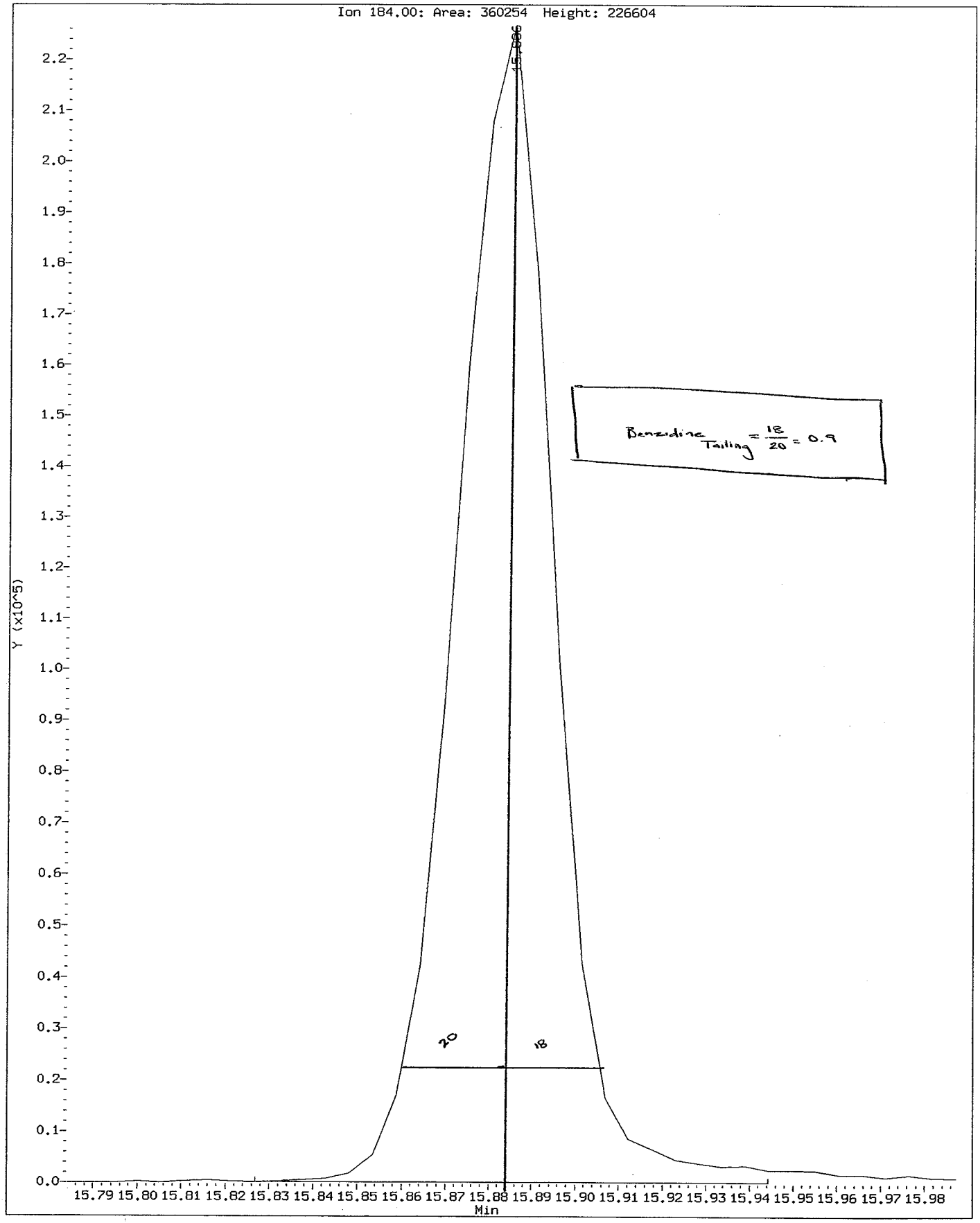
Data File: /chem1/nt6.i/20060705.b/ddt.b/0250705.d
Injection Date: 05-JUL-2006 10:16
Instrument: nt6.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem1/nt6.i/20060705.b/ddt.b/0250705.d
Injection Date: 05-JUL-2006 10:16
Instrument: nt6.i
Client Sample ID:

Compound: Benzidine
CAS Number:



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060705.b/0400705.d
Lab Smp Id: ABN 40
Inj Date : 05-JUL-2006 11:47
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 40
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060705.b/SW846.m
Meth Date : 05-Jul-2006 13:42 jeff Quant Type: ISTD
Cal Date : 05-JUL-2006 12:49 Cal File: 0100705.d
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	4.554	4.548	(0.703)	549921	40.0000	39.52(M)
$	2 Phenol-d5	99	6.146	6.134	(0.949)	663395	40.0000	39.34
	3 Phenol	94	6.167	6.150	(0.952)	819727	40.0000	39.02(M)
$	5 2-Chlorophenol-d4	132	6.194	6.188	(0.956)	568927	40.0000	39.79
	4 Bis(2-Chloroethyl)ether	93	6.199	6.188	(0.957)	626309	40.0000	40.06
	6 2-Chlorophenol	128	6.215	6.209	(0.960)	574073	40.0000	39.71
	7 1,3-Dichlorobenzene	146	6.413	6.407	(0.990)	610533	40.0000	38.85
*	8 1,4-Dichlorobenzene-d4	152	6.477	6.476	(1.000)	188586	20.0000	
	9 1,4-Dichlorobenzene	146	6.504	6.497	(1.004)	627283	40.0000	38.84
$	10 1,2-Dichlorobenzene-d4	152	6.771	6.765	(1.045)	359548	40.0000	39.01
	12 1,2-Dichlorobenzene	146	6.792	6.786	(1.049)	613439	40.0000	39.51
	11 Benzyl alcohol	108	6.803	6.791	(1.050)	402492	40.0000	40.21
	14 2,2'-oxybis(1-Chloropropane)	45	7.059	7.058	(1.090)	741186	40.0000	38.71
	13 2-Methylphenol	108	7.070	7.064	(1.092)	556184	40.0000	40.23
	17 Hexachloroethane	117	7.267	7.267	(1.122)	274045	40.0000	40.09
	16 N-Nitroso-di-n-propylamine	70	7.284	7.267	(1.125)	512717	40.0000	38.75
	15 4-Methylphenol	108	7.310	7.299	(1.129)	566048	40.0000	39.70
$	18 Nitrobenzene-d5	82	7.412	7.400	(0.872)	684339	40.0000	39.28
	19 Nitrobenzene	77	7.438	7.427	(0.876)	741076	40.0000	38.74
	20 Isophorone	82	7.828	7.817	(0.921)	1154903	40.0000	38.50
	21 2-Nitrophenol	139	7.951	7.945	(0.936)	284197	40.0000	40.39
	22 2,4-Dimethylphenol	107	8.128	8.116	(0.957)	580618	40.0000	39.56
	23 Bis(2-Chloroethoxy)methane	93	8.261	8.250	(0.972)	653759	40.0000	39.12
	24 Benzoic acid	105	8.405	8.340	(0.989)	347656	40.0000	44.88(M)
	25 2,4-Dichlorophenol	162	8.347	8.340	(0.982)	428737	40.0000	40.00
	26 1,2,4-Trichlorobenzene	180	8.453	8.447	(0.995)	473273	40.0000	38.29
*	27 Naphthalene-d8	136	8.496	8.490	(1.000)	643563	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	8.528	8.522	(1.004)	1535743	40.0000	39.25
	29 4-Chloroaniline	127	8.705	8.698	(1.025)	622287	40.0000	39.44
	30 Hexachlorobutadiene	225	8.870	8.869	(1.044)	305069	40.0000	39.28
	31 4-Chloro-3-methylphenol	107	9.559	9.553	(1.125)	483647	40.0000	39.94
	32 2-Methylnaphthalene	141	9.645	9.639	(1.135)	823633	40.0000	38.92
	33 Hexachlorocyclopentadiene	237	10.029	10.029	(0.886)	212891	40.0000	45.11
	34 2,4,6-Trichlorophenol	196	10.174	10.167	(0.899)	315976	40.0000	40.12
	35 2,4,5-Trichlorophenol	196	10.232	10.226	(0.904)	342172	40.0000	41.81
$	36 2-Fluorobiphenyl	172	10.302	10.296	(0.910)	1056047	40.0000	40.00
	37 2-Chloronaphthalene	162	10.403	10.397	(0.919)	901629	40.0000	38.88
	38 2-Nitroaniline	65	10.665	10.654	(0.942)	369514	40.0000	39.05
	39 Dimethylphthalate	163	11.066	11.060	(0.978)	970700	40.0000	39.44
	40 Acenaphthylene	152	11.066	11.060	(0.978)	1438450	40.0000	40.11
	41 2,6-Dinitrotoluene	165	11.146	11.134	(0.985)	217884	40.0000	38.83
*	42 Acenaphthene-d10	164	11.317	11.316	(1.000)	353561	20.0000	
	43 3-Nitroaniline	138	11.338	11.327	(1.002)	232630	40.0000	38.79
	44 Acenaphthene	153	11.370	11.364	(1.005)	889774	40.0000	39.19
	45 2,4-Dinitrophenol	184	11.498	11.492	(1.016)	59649	40.0000	54.78 (M)
	46 Dibenzofuran	168	11.632	11.626	(1.028)	1204659	40.0000	38.56
	47 4-Nitrophenol	109	11.707	11.701	(1.034)	156282	40.0000	40.05
	48 2,4-Dinitrotoluene	165	11.755	11.743	(1.039)	278138	40.0000	39.07
	50 Diethylphthalate	149	12.220	12.208	(1.080)	931194	40.0000	39.17
	49 Fluorene	166	12.177	12.171	(1.076)	1001286	40.0000	39.51
	51 4-Chlorophenyl-phenylether	204	12.236	12.230	(1.081)	523367	40.0000	39.32
	52 4-Nitroaniline	138	12.326	12.304	(1.089)	206849	40.0000	39.30 (M)
	53 4,6-Dinitro-2-methylphenol	198	12.396	12.384	(0.908)	146143	40.0000	48.14
	54 N-Nitrosodiphenylamine	169	12.449	12.443	(0.912)	699467	40.0000	39.03
$	55 2,4,6-Tribromophenol	330	12.599	12.593	(1.113)	136350	40.0000	40.11
	56 4-Bromophenyl-phenylether	248	13.000	12.993	(0.952)	287824	40.0000	39.29
	57 Hexachlorobenzene	284	13.187	13.180	(0.966)	300806	40.0000	39.18
	58 Pentachlorophenol	266	13.502	13.496	(0.989)	178756	40.0000	42.75
*	59 Phenanthrene-d10	188	13.651	13.645	(1.000)	521831	20.0000	
	60 Phenanthrene	178	13.689	13.683	(1.003)	1352479	40.0000	38.93
	61 Anthracene	178	13.758	13.752	(1.008)	1368387	40.0000	39.24
	62 Carbazole	167	14.068	14.057	(1.031)	1081110	40.0000	38.51
	63 Di-n-butylphthalate	149	14.848	14.842	(1.088)	1346987	40.0000	40.06
	64 Fluoranthene	202	15.591	15.584	(1.142)	1351302	40.0000	39.45
	65 Pyrene	202	15.932	15.926	(0.890)	1491315	40.0000	38.57
$	66 Terphenyl-d14	244	16.306	16.300	(0.911)	953425	40.0000	39.22
	67 Butylbenzylphthalate	149	17.220	17.219	(0.962)	567371	40.0000	39.54
	68 Benzo(a)anthracene	228	17.882	17.876	(0.999)	1330937	40.0000	38.39
*	69 Chrysene-d12	240	17.904	17.898	(1.000)	459052	20.0000	
	70 3,3'-Dichlorobenzidine	252	17.936	17.930	(1.002)	478923	40.0000	38.31
	71 Chrysene	228	17.946	17.935	(1.002)	1355978	40.0000	39.36
	72 bis(2-Ethylhexyl)phthalate	149	18.246	18.245	(0.951)	771998	40.0000	40.73
*	134 Di-n-octylphthalate-d4	153	19.180	19.174	(1.000)	750624	20.0000	
	73 Di-n-octylphthalate	149	19.186	19.180	(1.000)	1354228	40.0000	37.77

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	19.517	19.506	(0.975)	1358467	40.0000	39.78
75	Benzo(k)fluoranthene	252	19.554	19.538	(0.977)	1474316	40.0000	41.75
76	Benzo(a)pyrene	252	19.950	19.938	(0.996)	1343531	40.0000	40.88
* 77	Perylene-d12	264	20.024	20.024	(1.000)	520114	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.376	21.359	(1.067)	1704755	40.0000	42.64 (M)
79	Dibenzo(a,h)anthracene	278	21.408	21.391	(1.069)	1679529	40.0000	42.76
80	Benzo(g,h,i)perylene	276	21.670	21.648	(1.082)	1771892	40.0000	42.32
90	N-Nitrosodimethylamine	74	2.038	2.026	(0.315)	387583	40.0000	38.10
103	Pyridine	79	2.011	2.010	(0.310)	801765	40.0000	38.47
91	Aniline	93	6.055	6.049	(0.935)	956553	40.0000	38.56
105	1-methylnaphthalene	141	9.805	9.799	(1.154)	869995	40.0000	39.33
93	Benzidine	184	15.890	15.878	(0.888)	460159	40.0000	34.61
98	Retene	219	16.531	16.525	(0.923)	654258	40.0000	39.07
111	Azobenzene (1,2-DP-Hydrazine)	77	12.481	12.475	(1.103)	1389548	40.0000	40.17
144	alpha-Terpineol	59	8.598	8.592	(1.012)	467291	40.0000	39.69
143	1,4-Dioxane	88	1.626	1.625	(0.251)	279639	40.0000	39.45
$ 137	d8-1,4-Dioxane	96	1.594	1.593	(0.246)	265091	40.0000	39.04
133	Butylatedhydroxytoluene	205	11.563	11.556	(1.022)	795420	40.0000	39.74
115	Tributyl Phosphate	99	12.620	12.603	(0.924)	1054049	40.0000	40.22
116	Dibutyl Phenyl Phosphate	175	14.298	14.297	(1.047)	839352	40.0000	41.17
117	Butyl Diphenyl Phosphate	94	15.948	15.942	(0.891)	264751	40.0000	40.08
118	Triphenyl Phosphate	326	17.519	17.513	(0.978)	208097	40.0000	37.99

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0400705.d
Lab Smp Id: ABN 40
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060705.b/SW846.m
Misc Info:

Calibration Date: 05-JUL-2006
Calibration Time: 10:16

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	200696	100348	401392	188586	-6.03
27 Naphthalene-d8	684917	342458	1369834	643563	-6.04
42 Acenaphthene-d10	379750	189875	759500	353561	-6.90
59 Phenanthrene-d10	559641	279820	1119282	521831	-6.76
69 Chrysene-d12	488455	244228	976910	459052	-6.02
134 Di-n-octylphthala	797584	398792	1595168	750624	-5.89
77 Perylene-d12	578815	289408	1157630	520114	-10.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.47	5.97	6.97	6.48	0.06
27 Naphthalene-d8	8.49	7.99	8.99	8.50	0.05
42 Acenaphthene-d10	11.32	10.82	11.82	11.32	-0.01
59 Phenanthrene-d10	13.65	13.15	14.15	13.65	0.03
69 Chrysene-d12	17.90	17.40	18.40	17.90	-0.01
134 Di-n-octylphthala	19.18	18.68	19.68	19.18	0.02
77 Perylene-d12	20.02	19.52	20.52	20.02	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.

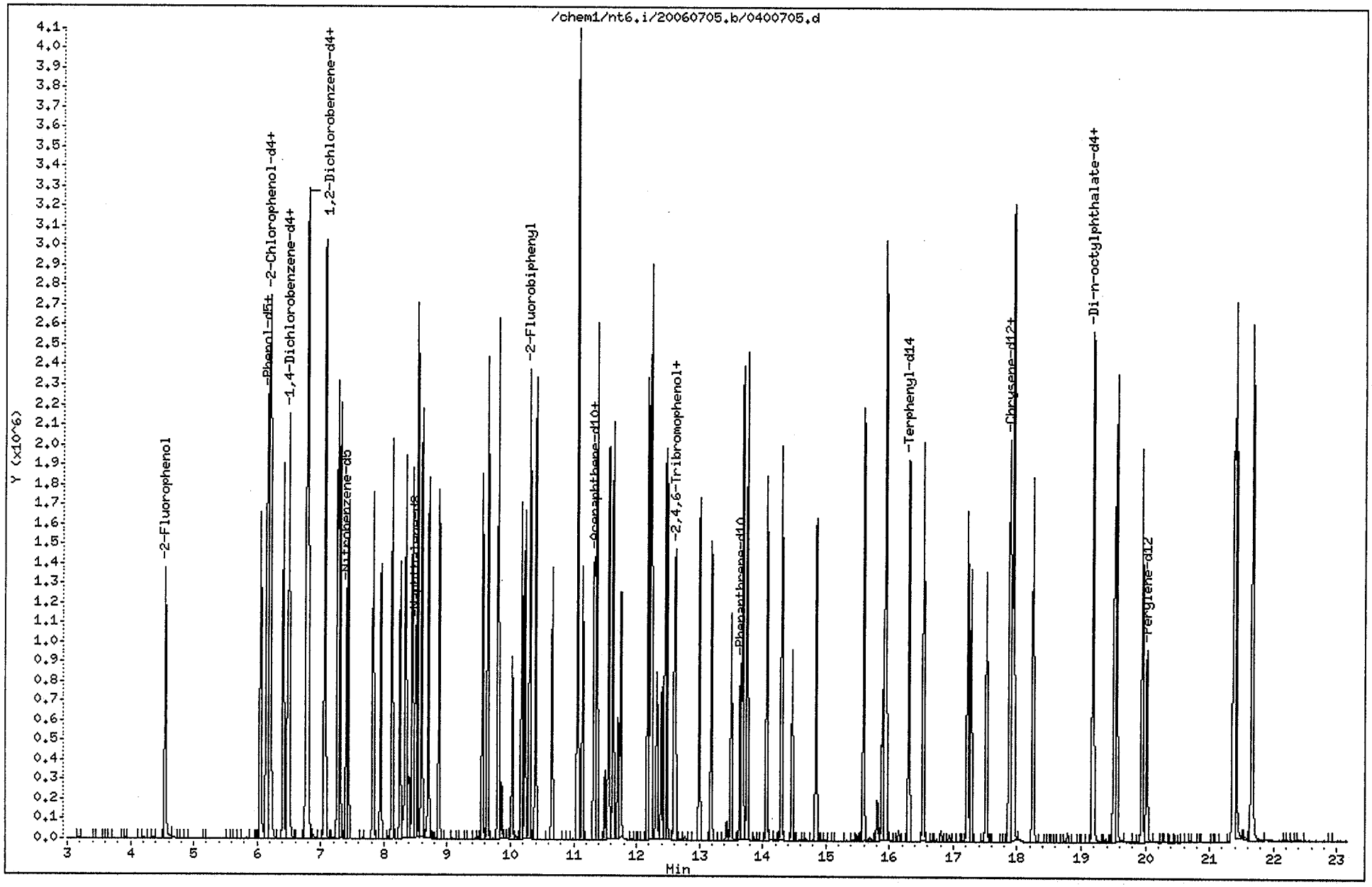
Data File: /chem1/nt6.i/20060705.b/0400705.d
Date : 05-JUL-2006 11:47
Client ID:
Sample Info: ABN 40

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32

Column phase: ZB-5

1181



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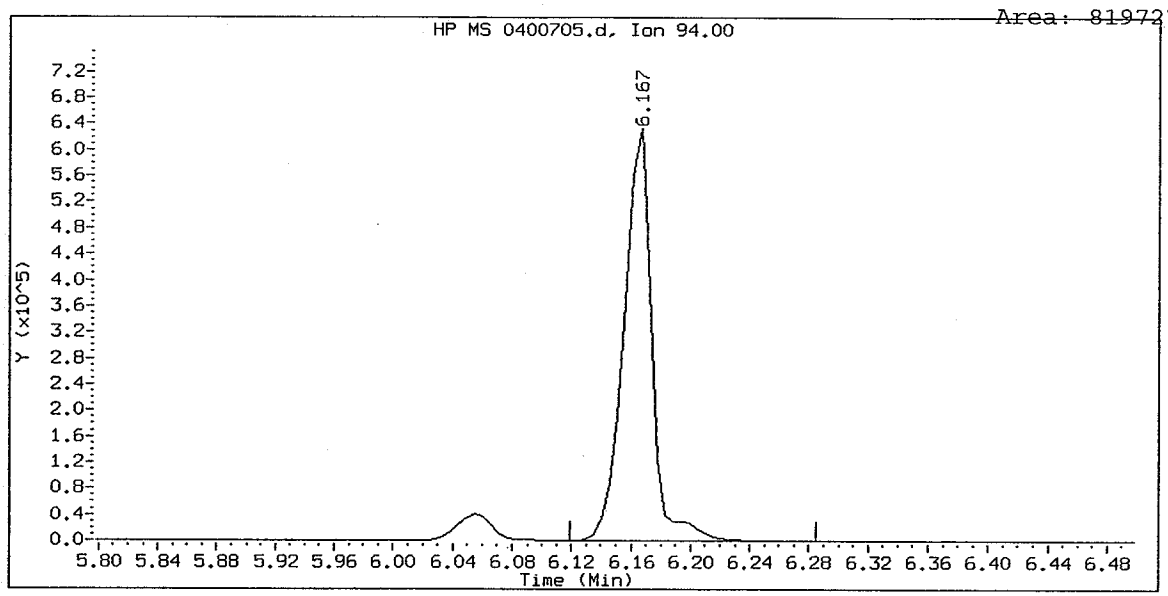
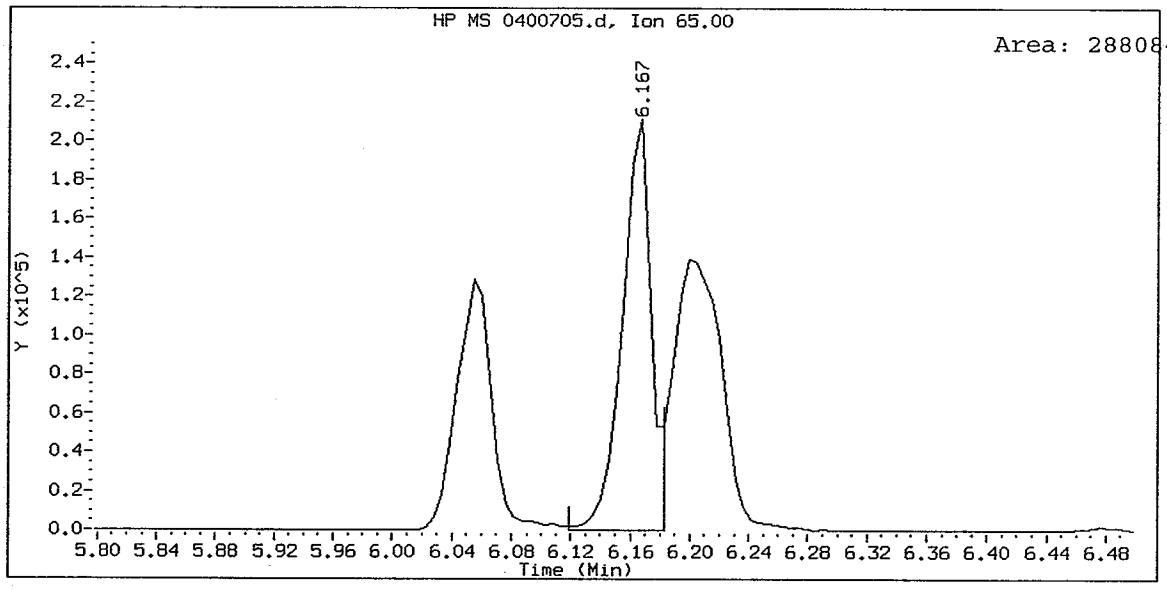
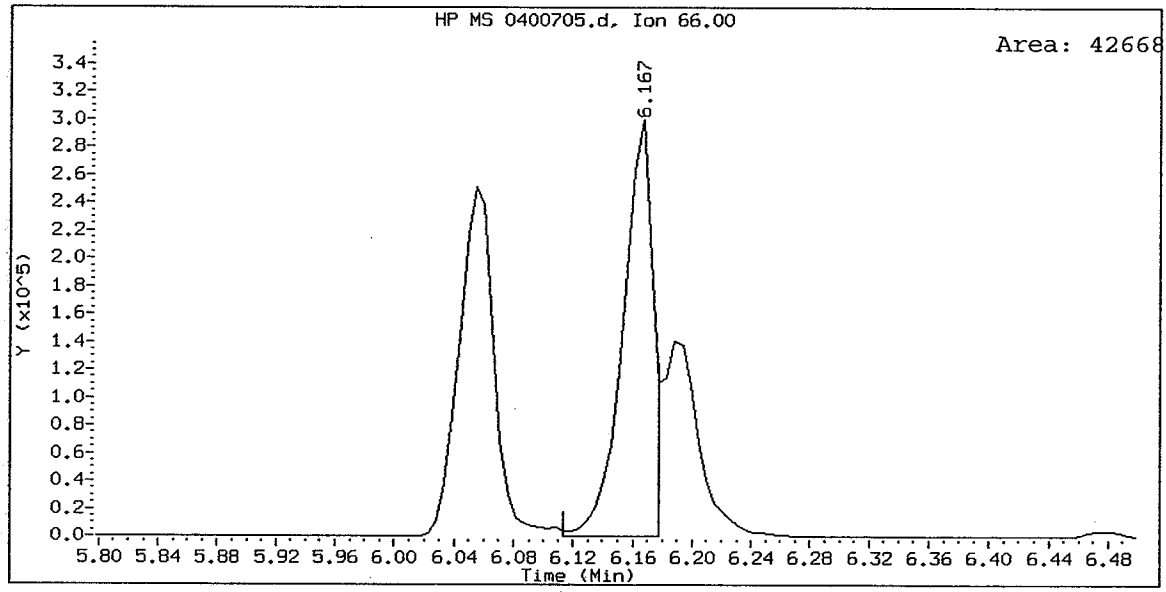
Phenol Amount: 39.02







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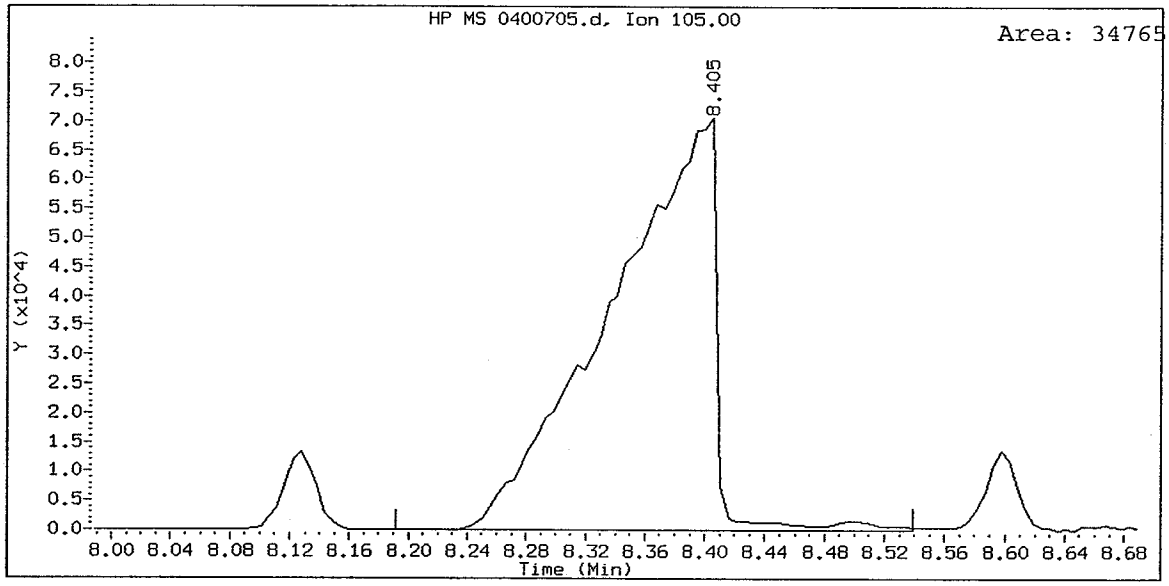
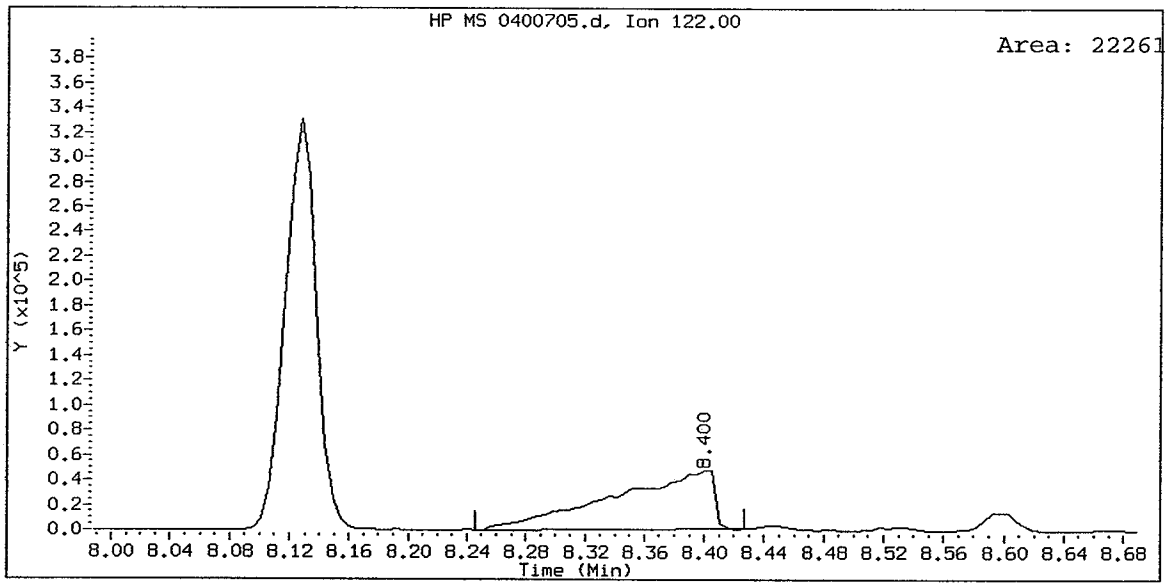
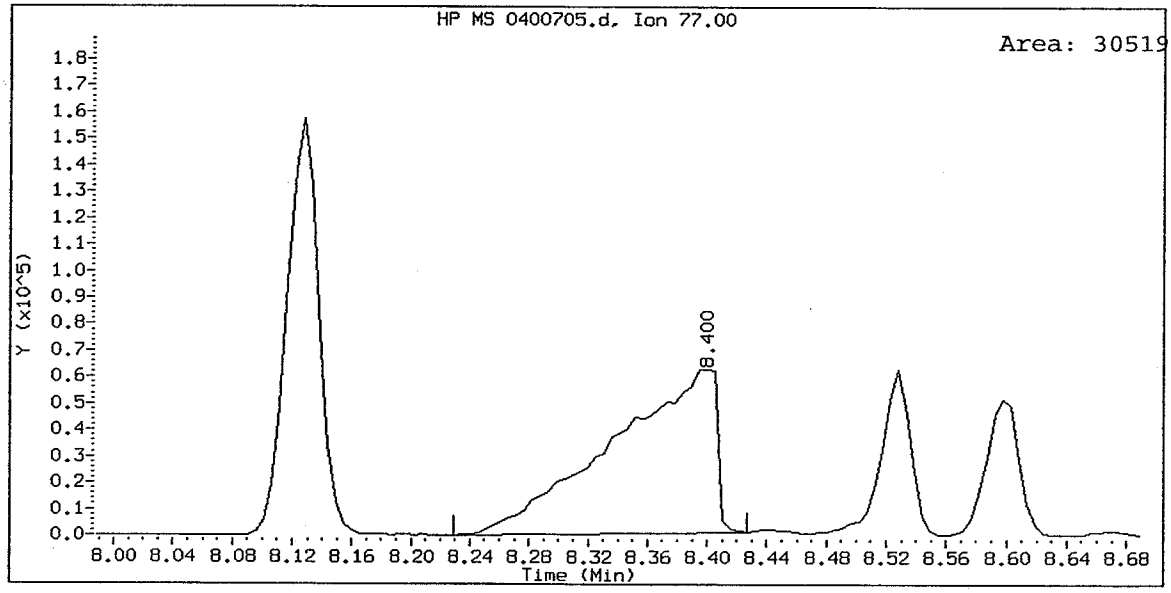
Benzoic acid Amount: 44.88







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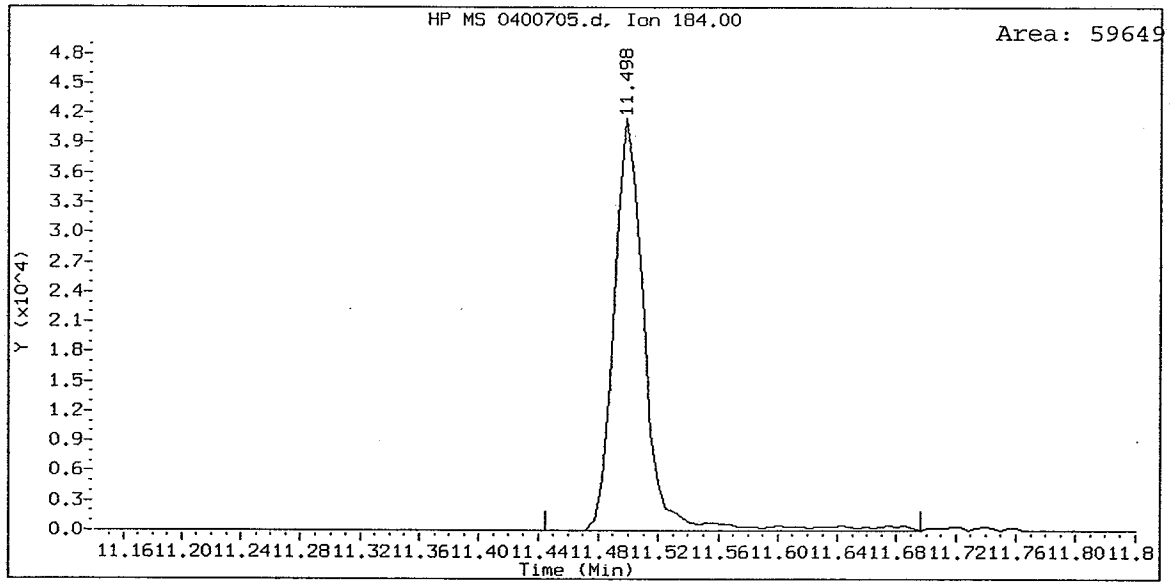
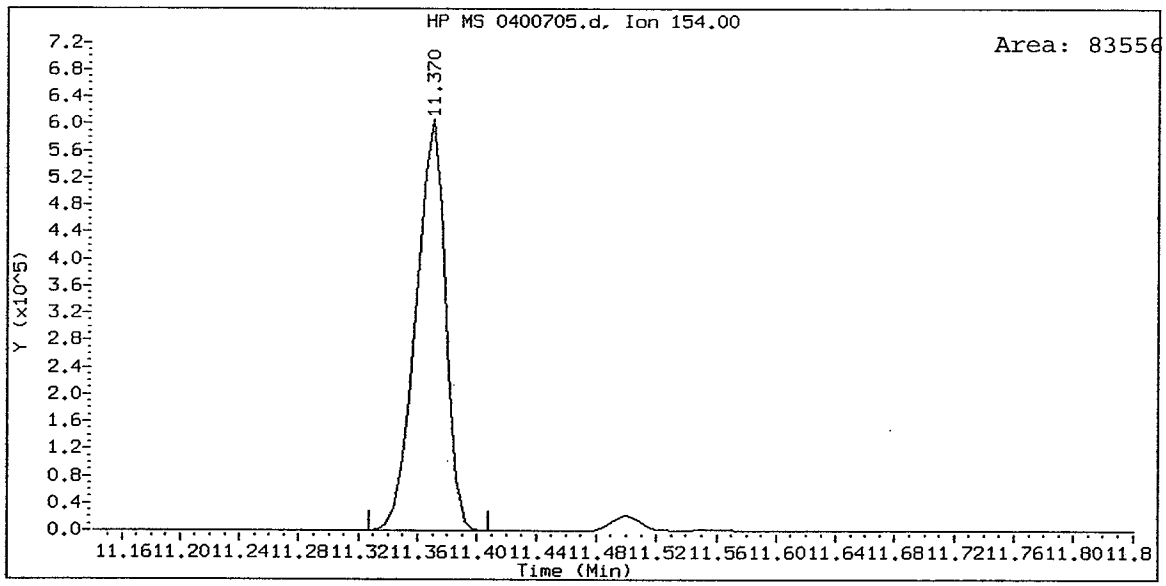
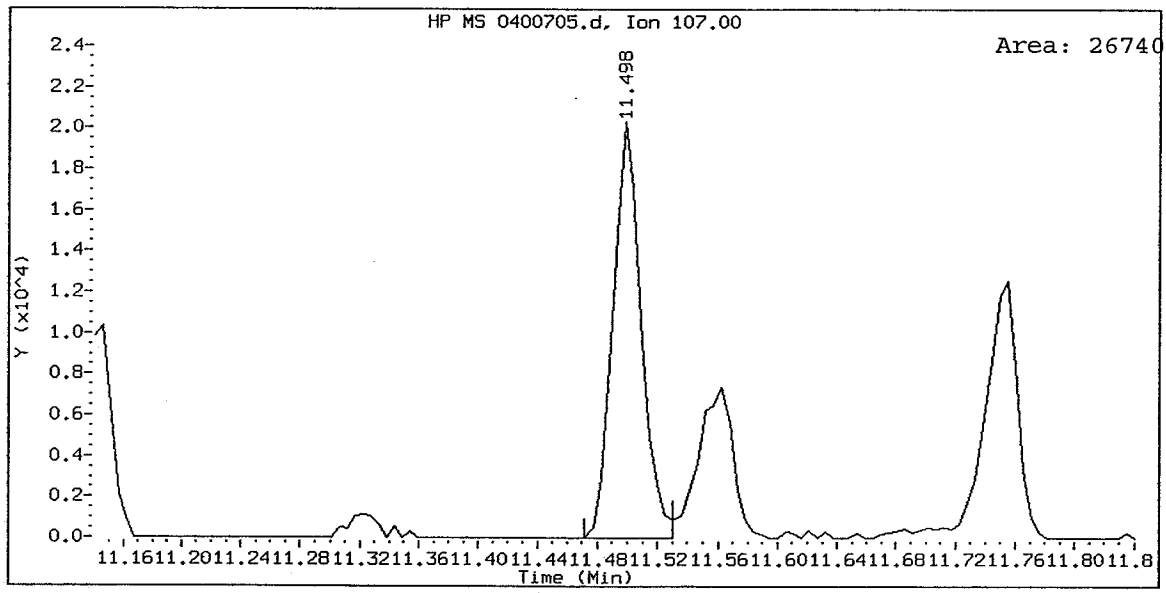
2,4-Dinitrophenol Amount: 54.78







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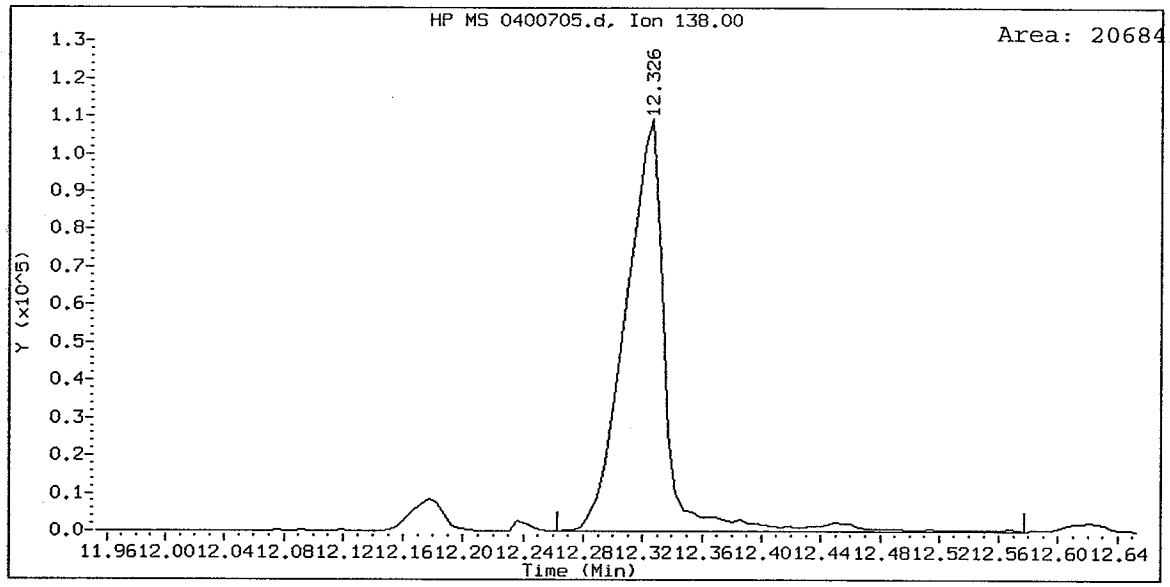
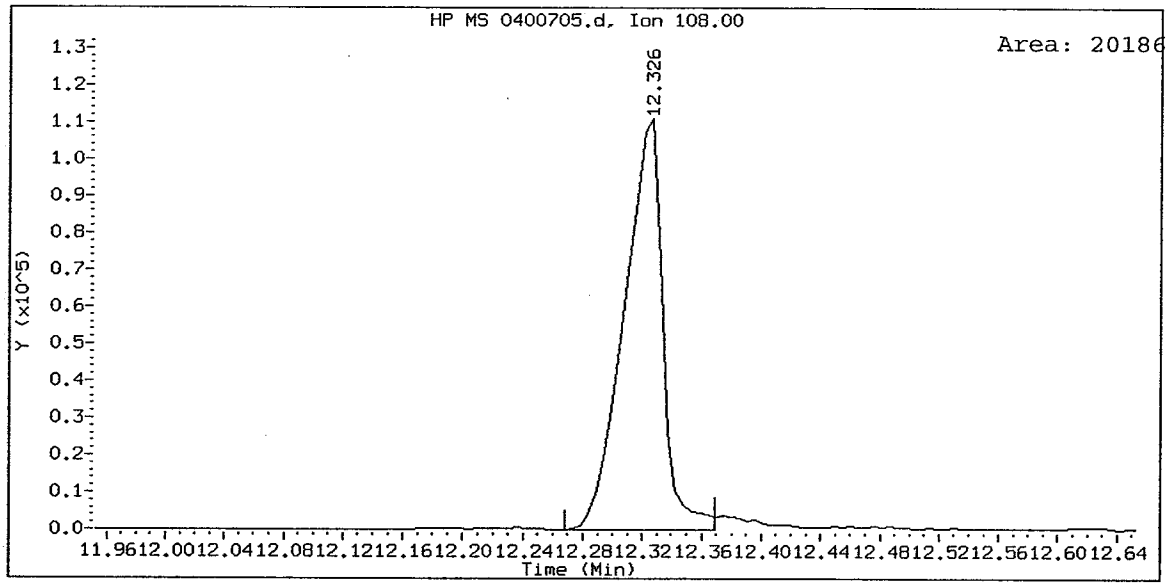
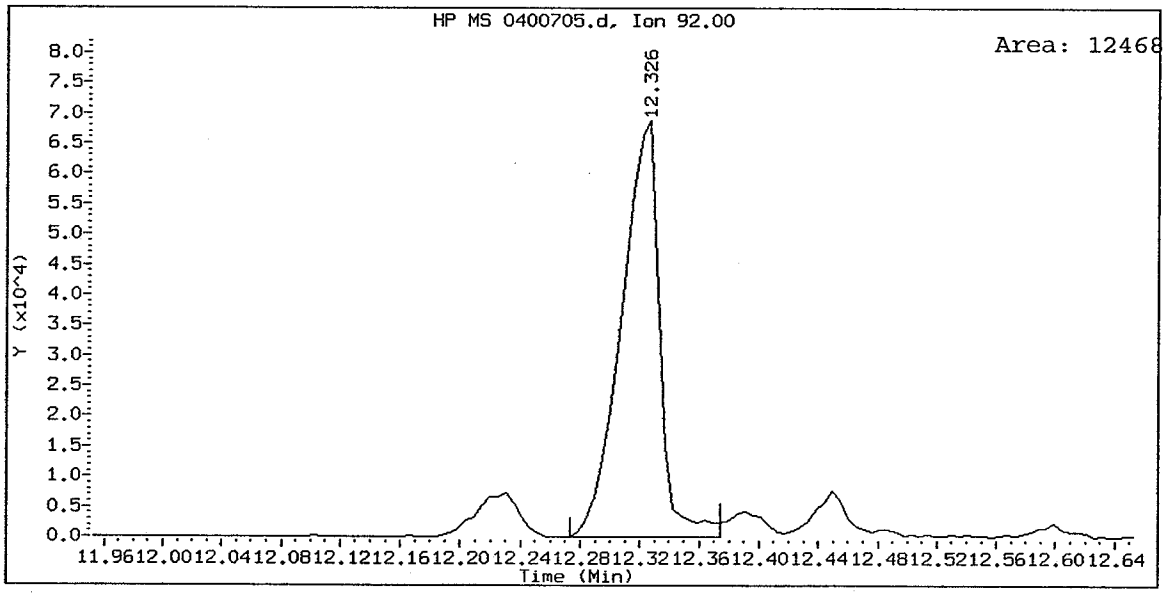
4-Nitroaniline Amount: 39.30







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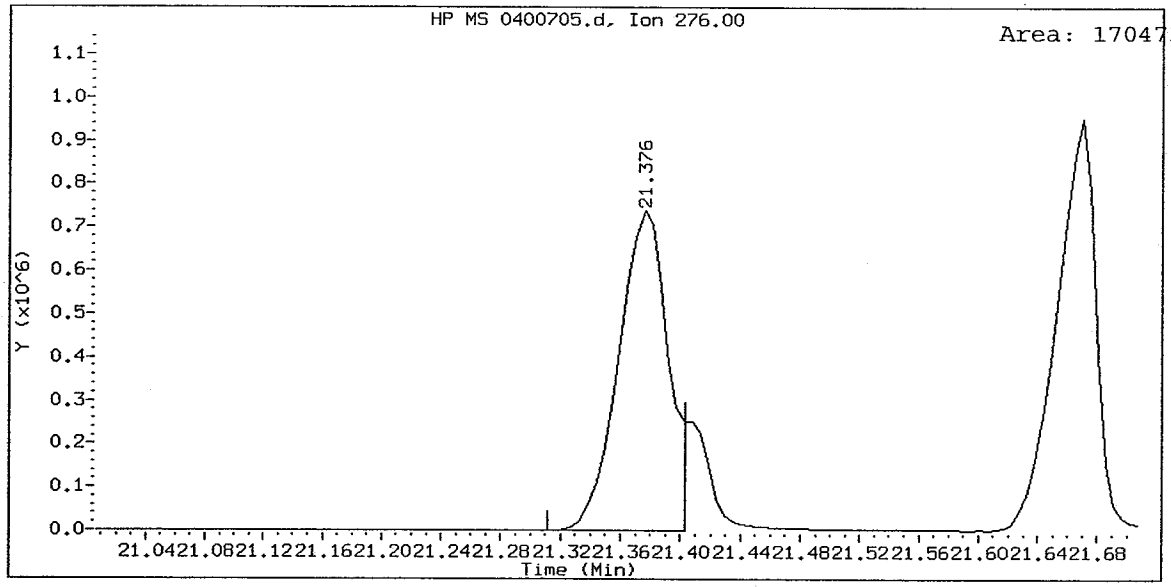
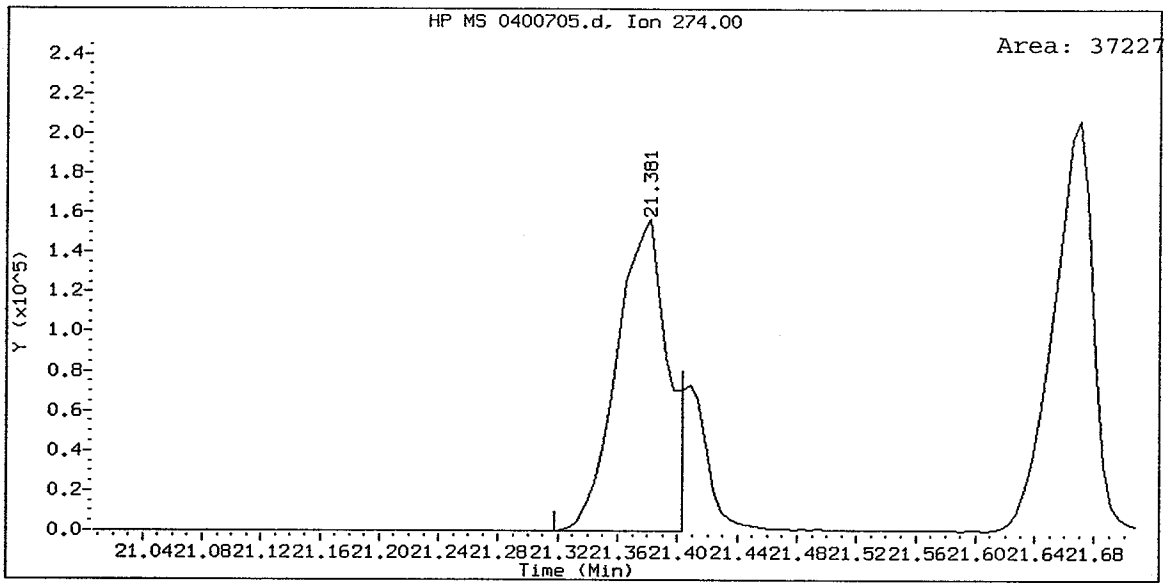
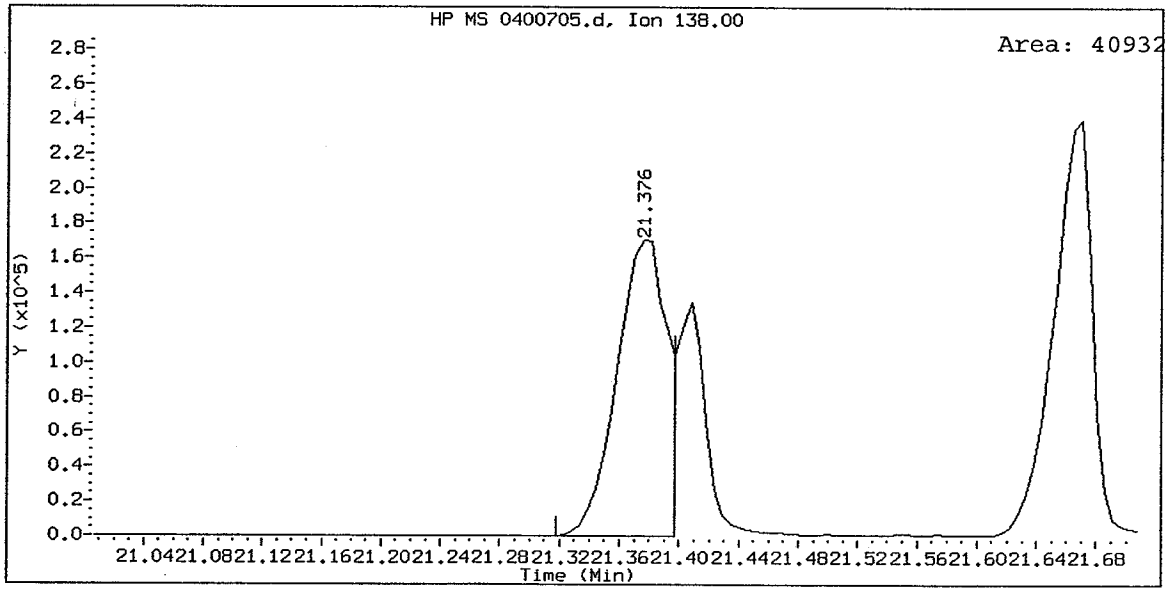
Indeno(1,2,3-cd)pyrene Amount: 42.64







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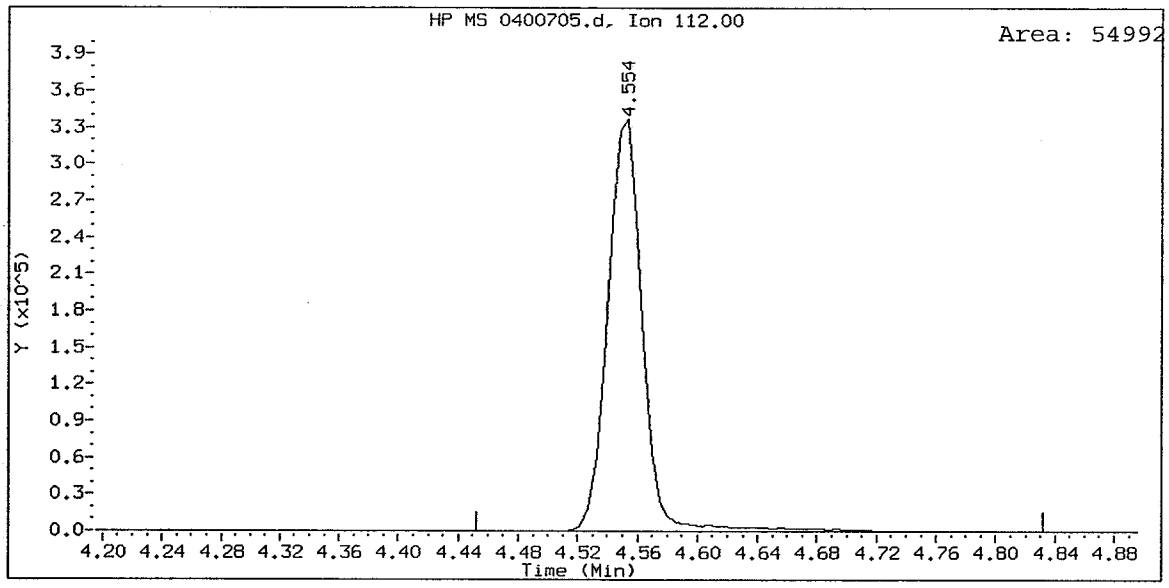
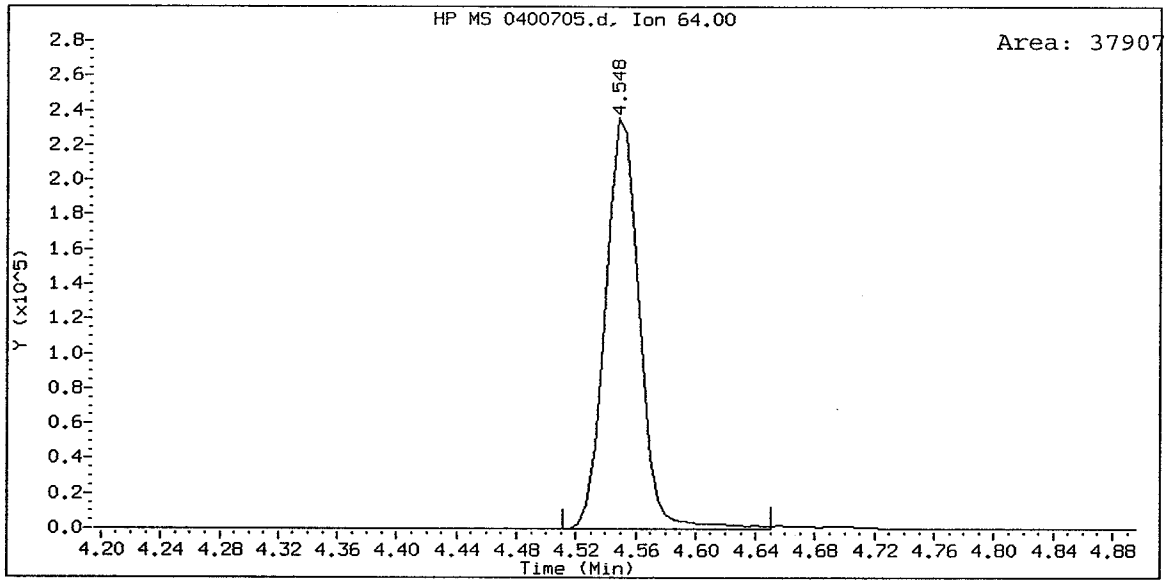
2-Fluorophenol Amount: 39.52





Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060705.b/0800705.d
Lab Smp Id: ABN 80
Inj Date : 05-JUL-2006 10:46
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 80
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060705.b/SW846.m
Meth Date : 05-Jul-2006 13:42 jeff Quant Type: ISTD
Cal Date : 05-JUL-2006 12:49 Cal File: 0100705.d
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 7/5/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	4.558	4.548	(0.703)	1172998	80.0000	81.61(M)
$	2 Phenol-d5	99	6.166	6.134	(0.951)	1418883	80.0000	81.48
	3 Phenol	94	6.182	6.150	(0.953)	1770663	80.0000	81.60
$	5 2-Chlorophenol-d4	132	6.198	6.188	(0.956)	1263479	80.0000	85.57
	4 Bis(2-Chloroethyl)ether	93	6.208	6.188	(0.957)	1362226	80.0000	84.37
	6 2-Chlorophenol	128	6.224	6.209	(0.960)	1241963	80.0000	83.18
	7 1,3-Dichlorobenzene	146	6.422	6.407	(0.990)	1326696	80.0000	81.74
*	8 1,4-Dichlorobenzene-d4	152	6.486	6.476	(1.000)	194774	20.0000	
	9 1,4-Dichlorobenzene	146	6.508	6.497	(1.003)	1351386	80.0000	81.03
$	10 1,2-Dichlorobenzene-d4	152	6.775	6.765	(1.044)	792993	80.0000	83.31(M)
	12 1,2-Dichlorobenzene	146	6.796	6.786	(1.048)	1343749	80.0000	83.80
	11 Benzyl alcohol	108	6.817	6.791	(1.051)	868450	80.0000	84.00
	14 2,2'-oxybis(1-Chloropropane)	45	7.068	7.058	(1.090)	1606543	80.0000	81.25
	13 2-Methylphenol	108	7.079	7.064	(1.091)	1187514	80.0000	83.17
	17 Hexachloroethane	117	7.271	7.267	(1.121)	580034	80.0000	82.15
	16 N-Nitroso-di-n-propylamine	70	7.303	7.267	(1.126)	1065608	80.0000	77.98
	15 4-Methylphenol	108	7.325	7.299	(1.129)	1218888	80.0000	82.78
$	18 Nitrobenzene-d5	82	7.421	7.400	(0.872)	1407311	80.0000	77.43
	19 Nitrobenzene	77	7.453	7.427	(0.876)	1518677	80.0000	76.11
	20 Isophorone	82	7.848	7.817	(0.923)	2384626	80.0000	76.19
	21 2-Nitrophenol	139	7.961	7.945	(0.936)	610489	80.0000	83.16
	22 2,4-Dimethylphenol	107	8.142	8.116	(0.957)	1192241	80.0000	77.86
	23 Bis(2-Chloroethoxy)methane	93	8.270	8.250	(0.972)	1379668	80.0000	79.13
	24 Benzoic acid	105	8.473	8.340	(0.996)	830331	80.0000	102.7(M)
	25 2,4-Dichlorophenol	162	8.361	8.340	(0.983)	917691	80.0000	82.07
	26 1,2,4-Trichlorobenzene	180	8.457	8.447	(0.994)	1053525	80.0000	81.69
*	27 Naphthalene-d8	136	8.505	8.490	(1.000)	671389	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	8.537	8.522	(1.004)	3178935	80.0000	77.89
	29 4-Chloroaniline	127	8.714	8.698	(1.024)	1336415	80.0000	81.19
	30 Hexachlorobutadiene	225	8.874	8.869	(1.043)	659294	80.0000	81.37
	31 4-Chloro-3-methylphenol	107	9.563	9.553	(1.124)	1005447	80.0000	79.60
	32 2-Methylnaphthalene	141	9.649	9.639	(1.134)	1757055	80.0000	79.59
	33 Hexachlorocyclopentadiene	237	10.033	10.029	(0.886)	539965	80.0000	111.2
	34 2,4,6-Trichlorophenol	196	10.183	10.167	(0.899)	701266	80.0000	86.52
	35 2,4,5-Trichlorophenol	196	10.236	10.226	(0.904)	723549	80.0000	85.90
$	36 2-Fluorobiphenyl	172	10.311	10.296	(0.911)	2213700	80.0000	81.47
	37 2-Chloronaphthalene	162	10.413	10.397	(0.920)	1951044	80.0000	81.73
	38 2-Nitroaniline	65	10.674	10.654	(0.943)	752175	80.0000	77.23
	39 Dimethylphthalate	163	11.080	11.060	(0.979)	2032551	80.0000	80.24
	40 Acenaphthylene	152	11.070	11.060	(0.978)	2988229	80.0000	80.96
	41 2,6-Dinitrotoluene	165	11.155	11.134	(0.985)	477985	80.0000	82.77
*	42 Acenaphthene-d10	164	11.321	11.316	(1.000)	363913	20.0000	
	43 3-Nitroaniline	138	11.358	11.327	(1.003)	510554	80.0000	82.72
	44 Acenaphthene	153	11.380	11.364	(1.005)	1917676	80.0000	82.06
	45 2,4-Dinitrophenol	184	11.513	11.492	(1.017)	185054	80.0000	165.1 (M)
	46 Dibenzofuran	168	11.641	11.626	(1.028)	2565607	80.0000	79.80
	47 4-Nitrophenol	109	11.716	11.701	(1.035)	324099	80.0000	80.69 (M)
	48 2,4-Dinitrotoluene	165	11.764	11.743	(1.039)	614468	80.0000	83.87
	50 Diethylphthalate	149	12.234	12.208	(1.081)	1957815	80.0000	80.02
	49 Fluorene	166	12.186	12.171	(1.076)	2143273	80.0000	82.18
	51 4-Chlorophenyl-phenylether	204	12.240	12.230	(1.081)	1159694	80.0000	84.64
	52 4-Nitroaniline	138	12.346	12.304	(1.091)	442715	80.0000	81.71
	53 4,6-Dinitro-2-methylphenol	198	12.416	12.384	(0.909)	361657	80.0000	113.2
	54 N-Nitrosodiphenylamine	169	12.464	12.443	(0.913)	1554036	80.0000	82.41
$	55 2,4,6-Tribromophenol	330	12.608	12.593	(1.114)	302309	80.0000	86.39
	56 4-Bromophenyl-phenylether	248	13.009	12.993	(0.953)	637455	80.0000	82.72
	57 Hexachlorobenzene	284	13.196	13.180	(0.966)	658374	80.0000	81.52
	58 Pentachlorophenol	266	13.511	13.496	(0.989)	412720	80.0000	93.82
*	59 Phenanthrene-d10	188	13.655	13.645	(1.000)	549021	20.0000	
	60 Phenanthrene	178	13.698	13.683	(1.003)	2874886	80.0000	78.66
	61 Anthracene	178	13.773	13.752	(1.009)	2931233	80.0000	79.89
	62 Carbazole	167	14.077	14.057	(1.031)	2321830	80.0000	78.61
	63 Di-n-butylphthalate	149	14.852	14.842	(1.088)	2843660	80.0000	80.37
	64 Fluoranthene	202	15.605	15.584	(1.143)	2944804	80.0000	81.72
	65 Pyrene	202	15.947	15.926	(0.890)	3235404	80.0000	74.54
$	66 Terphenyl-d14	244	16.310	16.300	(0.911)	2107247	80.0000	77.23
	67 Butylbenzylphthalate	149	17.229	17.219	(0.962)	1247067	80.0000	77.43
	68 Benzo(a)anthracene	228	17.897	17.876	(0.999)	3016019	80.0000	77.51
*	69 Chrysene-d12	240	17.913	17.898	(1.000)	515271	20.0000	
	70 3,3'-Dichlorobenzidine	252	17.945	17.930	(1.002)	1109754	80.0000	79.09
	71 Chrysene	228	17.961	17.935	(1.003)	3036626	80.0000	78.53
	72 bis(2-Ethylhexyl)phthalate	149	18.250	18.245	(0.951)	1723899	80.0000	82.62
*	134 Di-n-octylphthalate-d4	153	19.184	19.174	(1.000)	826407	20.0000	
	73 Di-n-octylphthalate	149	19.195	19.180	(1.001)	2941418	80.0000	74.52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	19.537	19.506	(0.975)	3780567	80.0000	88.32
75	Benzo(k)fluoranthene	252	19.574	19.538	(0.977)	3291788	80.0000	74.37(H)
76	Benzo(a)pyrene	252	19.970	19.938	(0.997)	3396299	80.0000	82.44
* 77	Perylene-d12	264	20.034	20.024	(1.000)	651976	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.391	21.359	(1.068)	4121160	80.0000	82.23(M)
79	Dibenzo(a,h)anthracene	278	21.433	21.391	(1.070)	4083741	80.0000	82.95
80	Benzo(g,h,i)perylene	276	21.701	21.648	(1.083)	4172777	80.0000	79.51
90	N-Nitrosodimethylamine	74	2.052	2.026	(0.316)	826257	80.0000	78.63
103	Pyridine	79	2.015	2.010	(0.311)	1735078	80.0000	80.60(M)
91	Aniline	93	6.064	6.049	(0.935)	2031317	80.0000	79.29
105	1-methylnaphthalene	141	9.814	9.799	(1.154)	1856826	80.0000	80.46
93	Benzidine	184	15.899	15.878	(0.888)	985501	80.0000	66.03
98	Retene	219	16.540	16.525	(0.923)	1444403	80.0000	76.85
111	Azobenzene (1,2-DP-Hydrazine)	77	12.491	12.475	(1.103)	2782752	80.0000	78.15
144	alpha-Terpineol	59	8.612	8.592	(1.013)	960962	80.0000	78.24
143	1,4-Dioxane	88	1.630	1.625	(0.251)	613869	80.0000	83.85
$ 137	d8-1,4-Dioxane	96	1.598	1.593	(0.246)	594443	80.0000	84.77
133	Butylatedhydroxytoluene	205	11.566	11.556	(1.022)	1684394	80.0000	81.77
115	Tributyl Phosphate	99	12.635	12.603	(0.925)	2225978	80.0000	80.73
116	Dibutyl Phenyl Phosphate	175	14.307	14.297	(1.048)	1822188	80.0000	84.94
117	Butyl Diphenyl Phosphate	94	15.952	15.942	(0.891)	574393	80.0000	77.46
118	Triphenyl Phosphate	326	17.528	17.513	(0.979)	488569	80.0000	79.47

QC Flag Legend

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

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0800705.d
Lab Smp Id: ABN 80
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060705.b/SW846.m
Misc Info:

Calibration Date: 05-JUL-2006
Calibration Time: 10:16

Level:
Sample Type:

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	200696	100348	401392	194774	-2.95
27 Naphthalene-d8	684917	342458	1369834	671389	-1.98
42 Acenaphthene-d10	379750	189875	759500	363913	-4.17
59 Phenanthrene-d10	559641	279820	1119282	549021	-1.90
69 Chrysene-d12	488455	244228	976910	515271	5.49
134 Di-n-octylphthala	797584	398792	1595168	826407	3.61
77 Perylene-d12	578815	289408	1157630	651976	12.64

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.47	5.97	6.97	6.49	0.21
27 Naphthalene-d8	8.49	7.99	8.99	8.51	0.16
42 Acenaphthene-d10	11.32	10.82	11.82	11.32	0.02
59 Phenanthrene-d10	13.65	13.15	14.15	13.66	0.06
69 Chrysene-d12	17.90	17.40	18.40	17.91	0.05
134 Di-n-octylphthala	19.18	18.68	19.68	19.18	0.04
77 Perylene-d12	20.02	19.52	20.52	20.03	0.07

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.

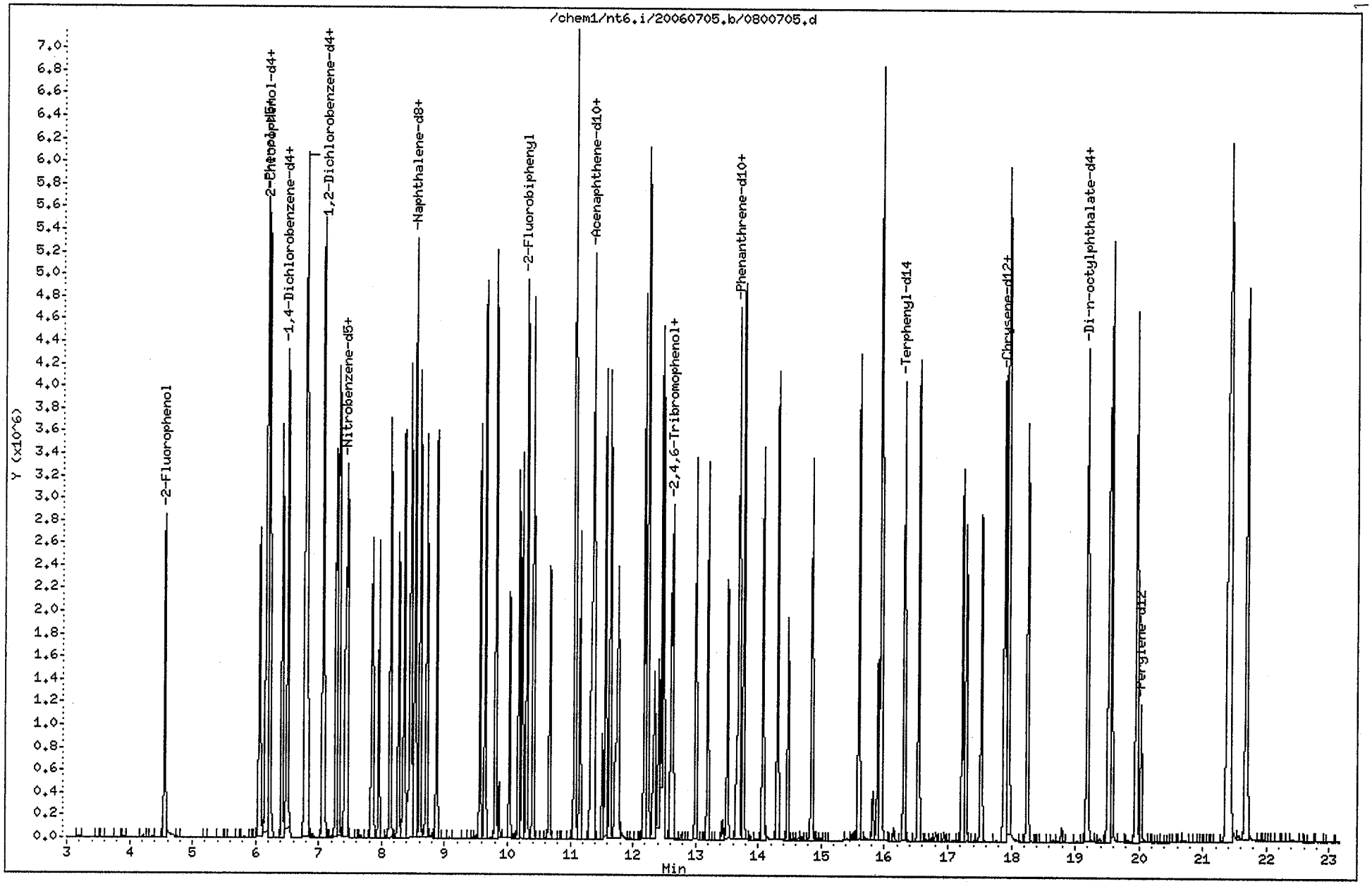
Data File: /chem1/nt6.i/20060705.b/0800705.d
Date : 05-JUL-2006 10:46
Client ID:
Sample Info: ABN 80

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32

Column phase: ZB-5

1192



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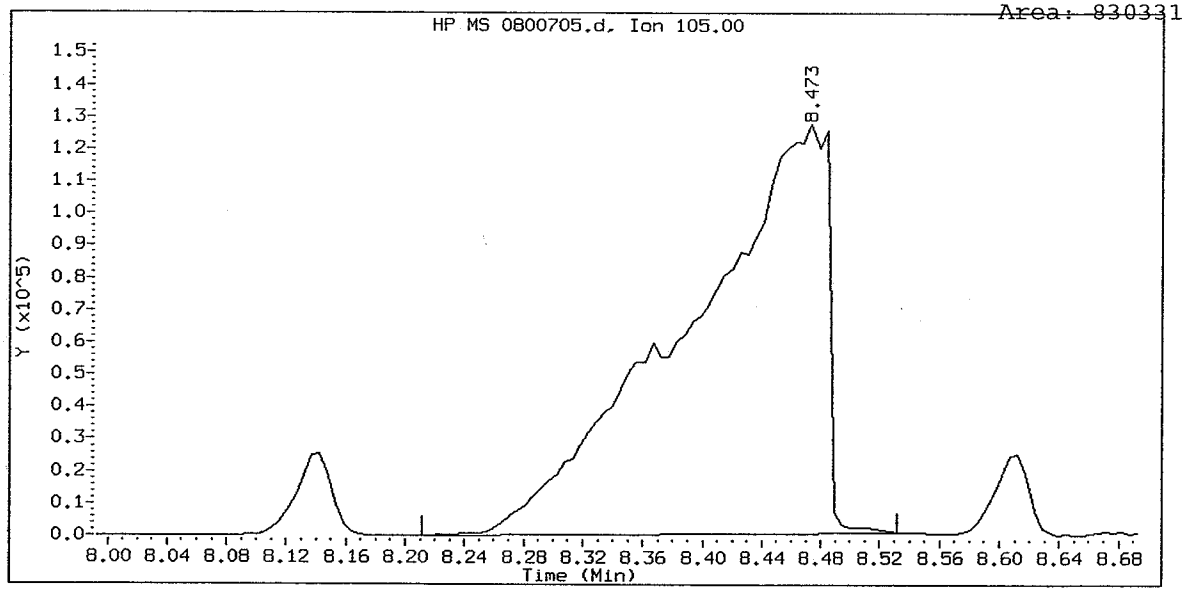
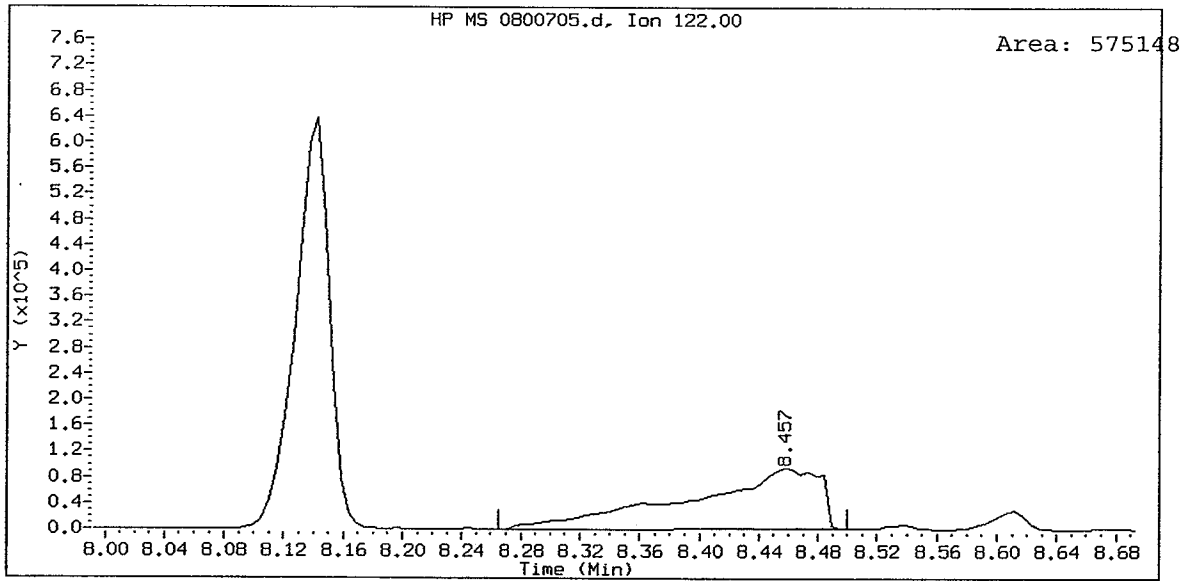
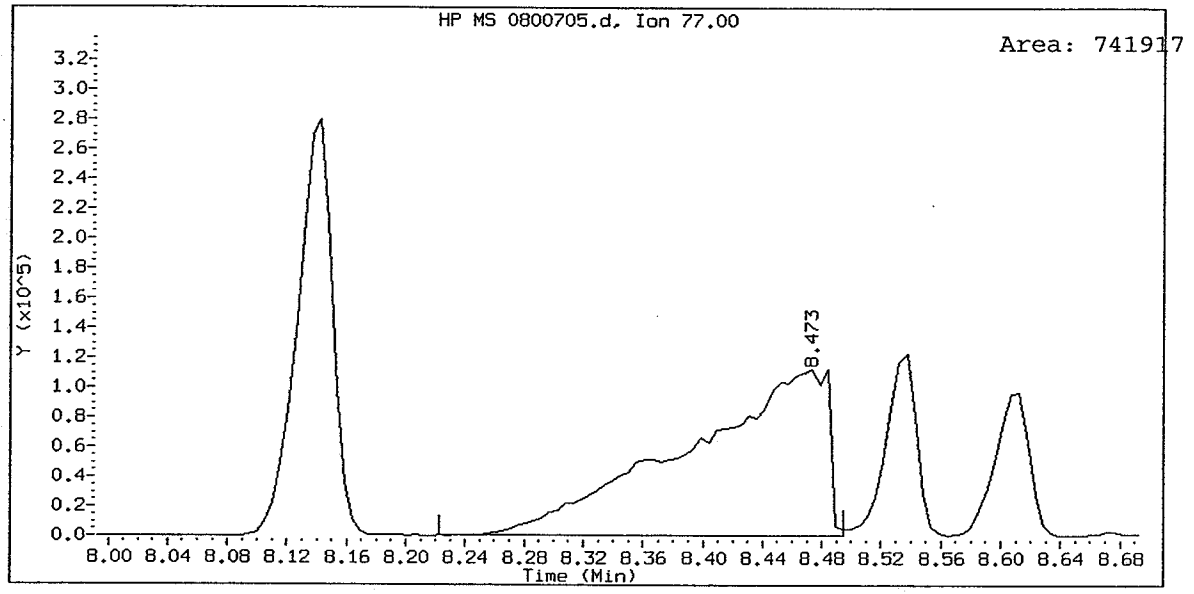
Benzoic acid Amount: 102.74







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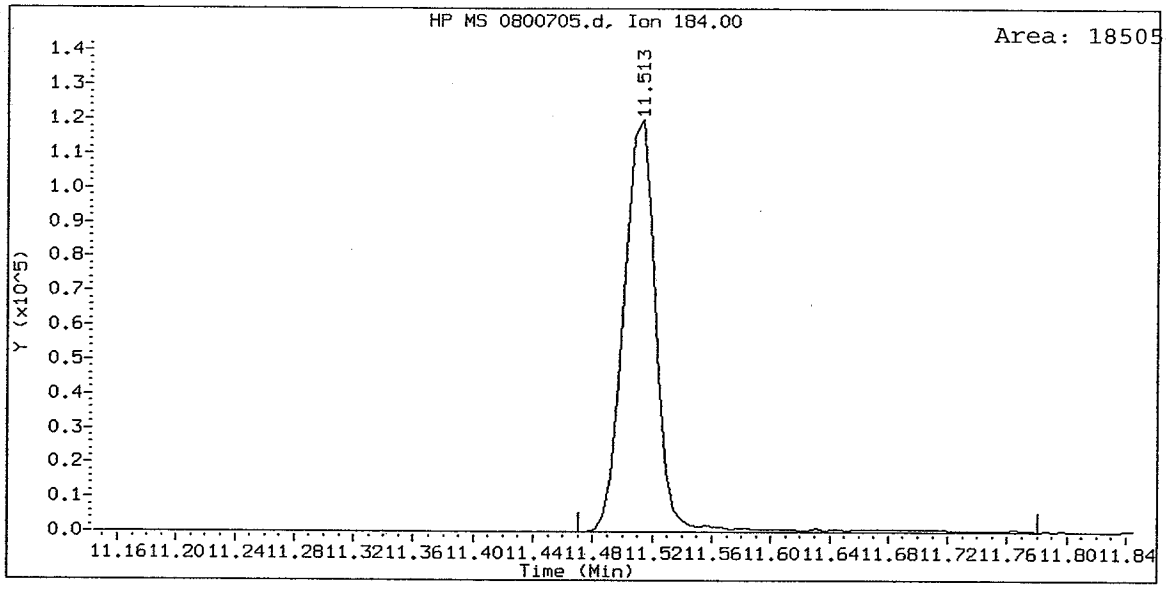
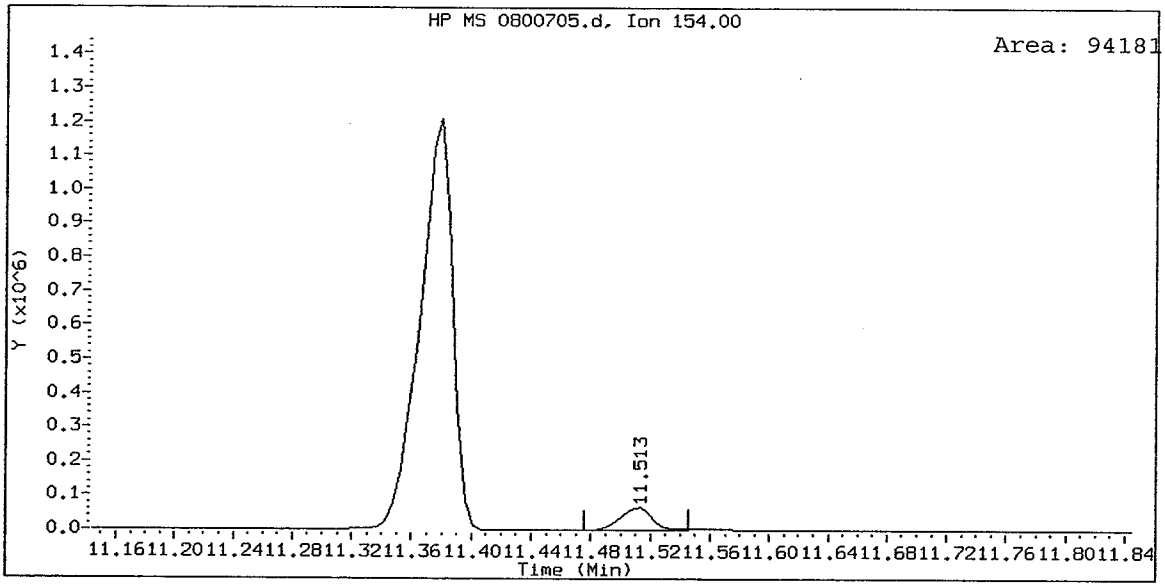
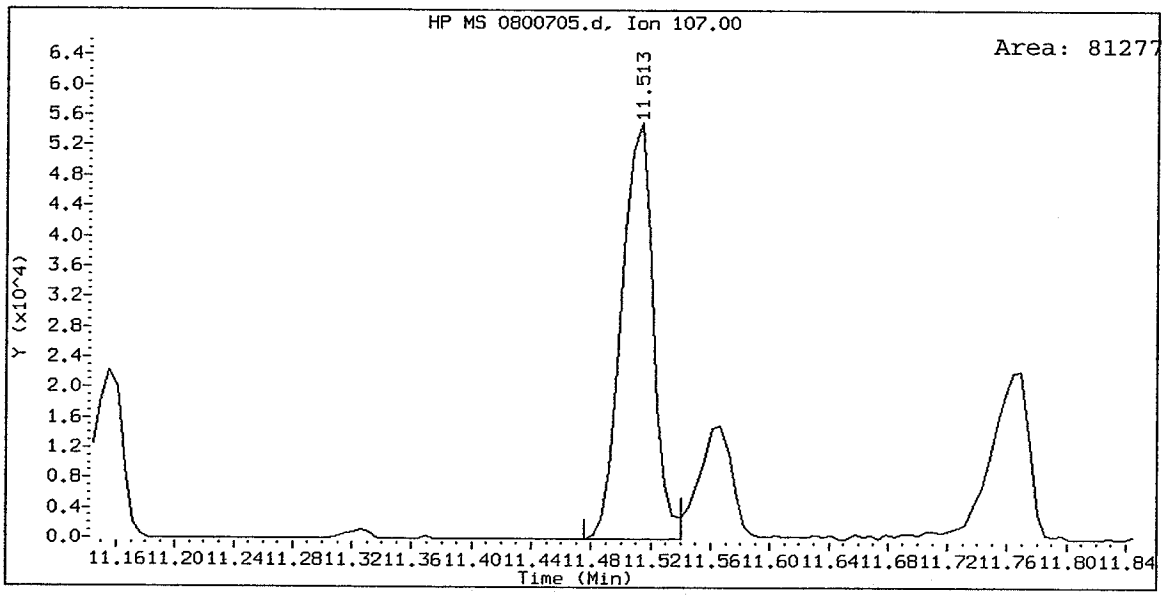
2,4-Dinitrophenol Amount: 165.10







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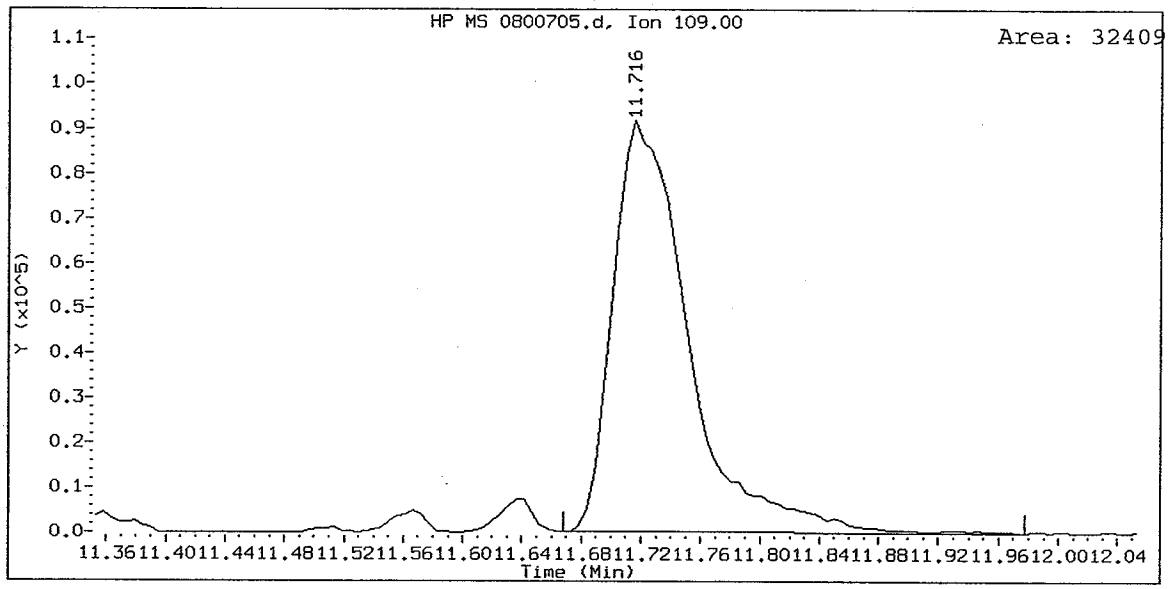
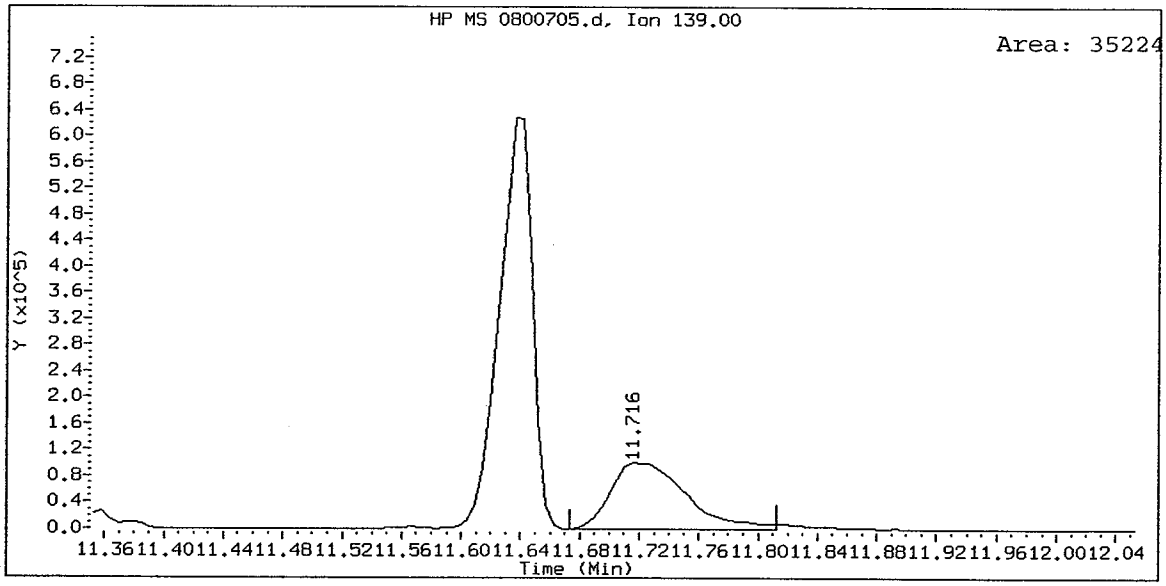
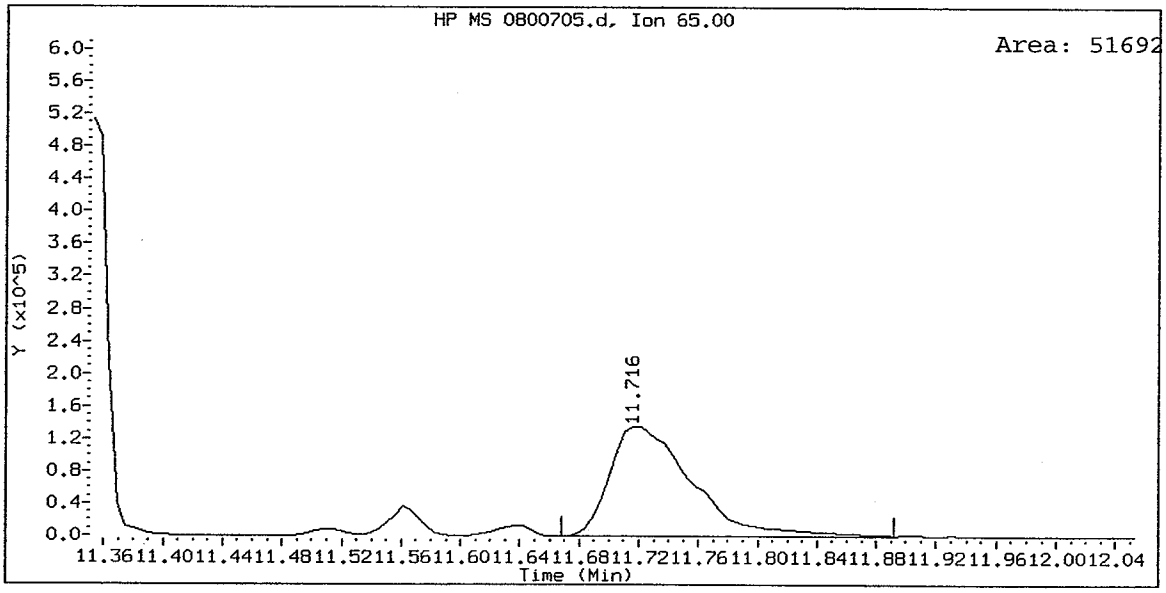
4-Nitrophenol Amount: 80.69







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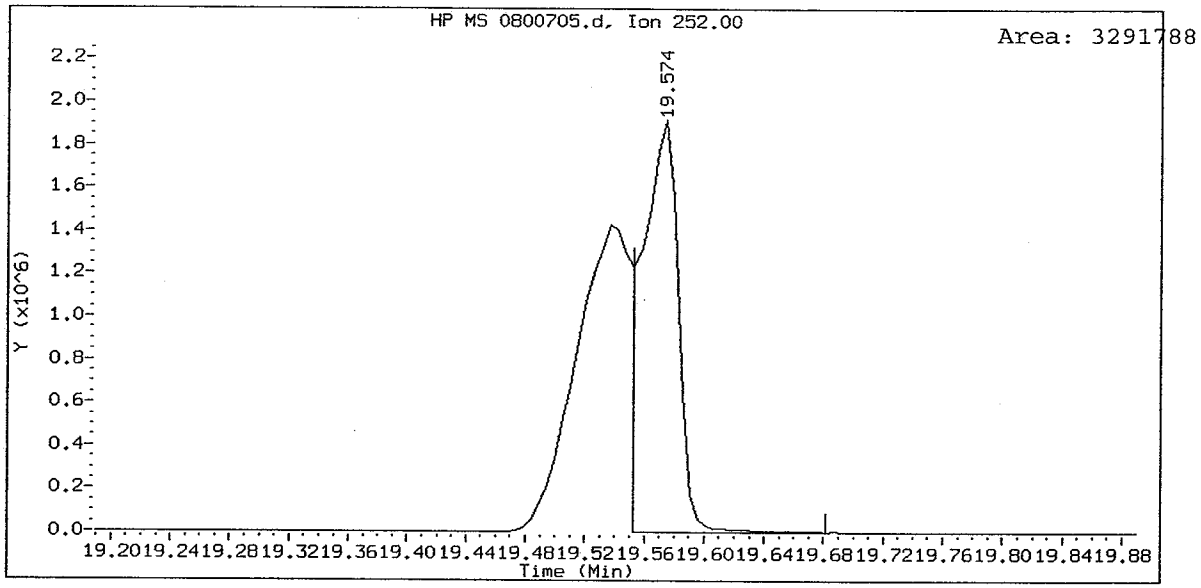
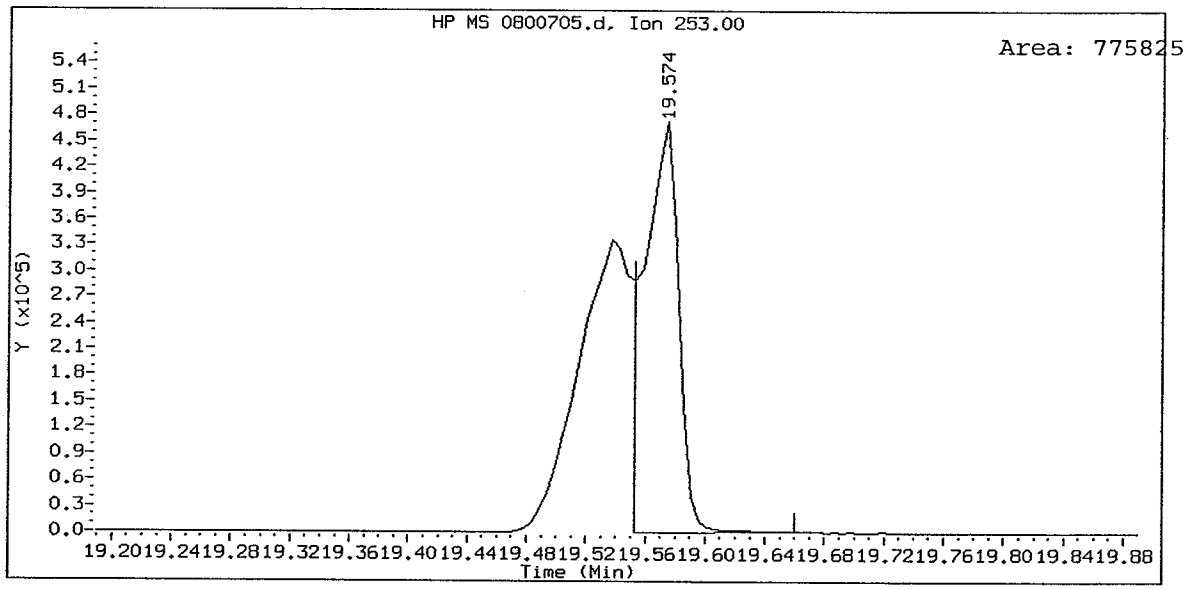
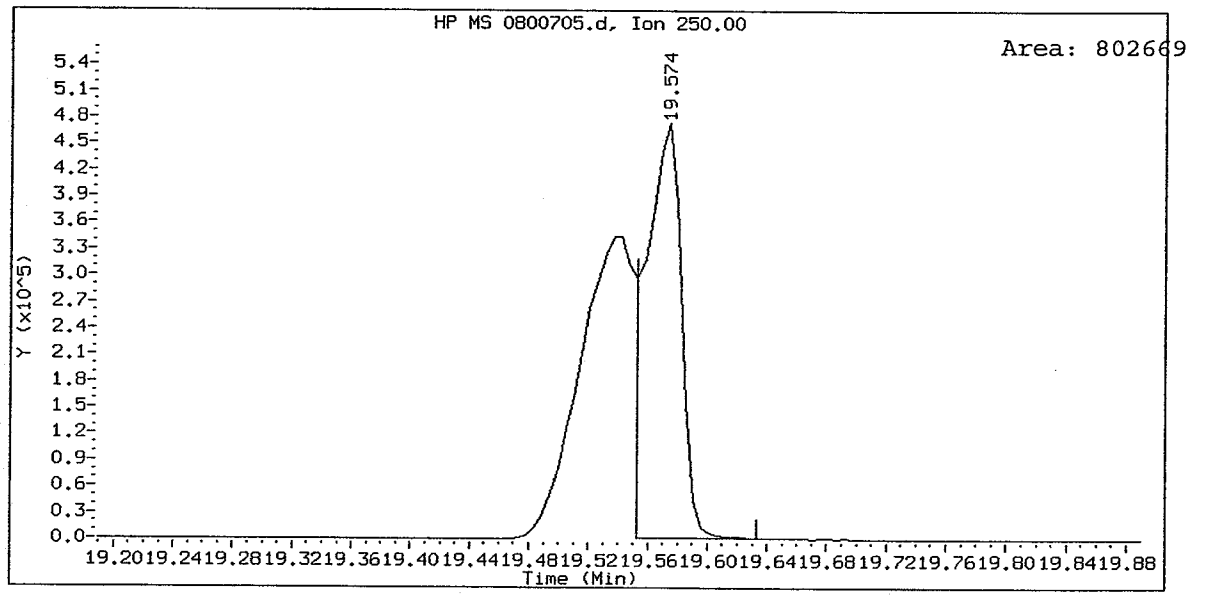
Benzo(k)fluoranthene Amount: 74.37







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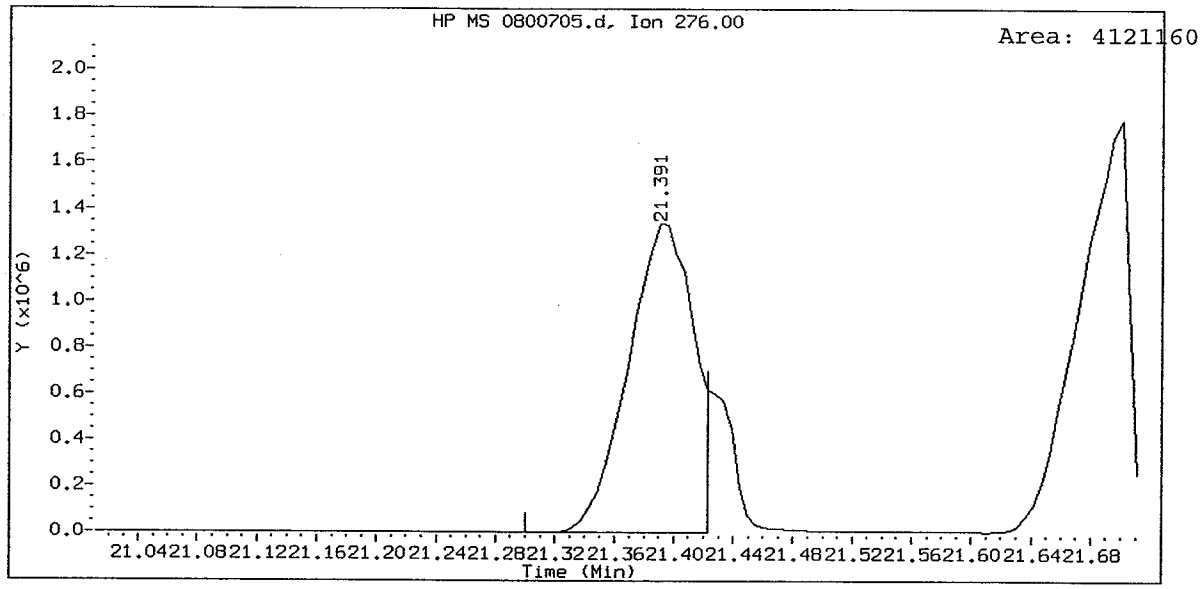
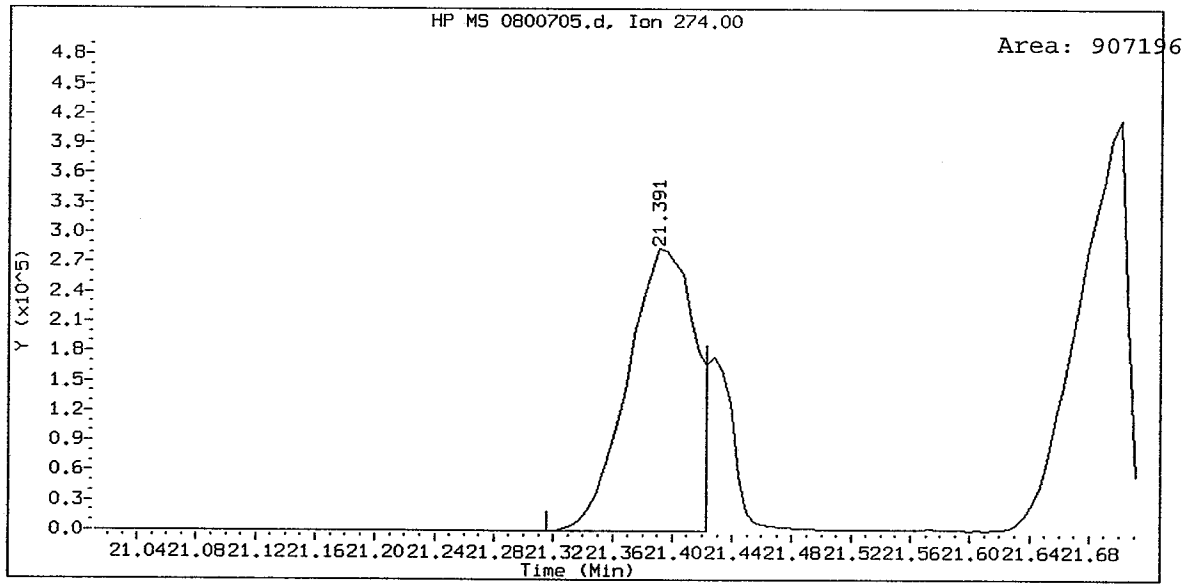
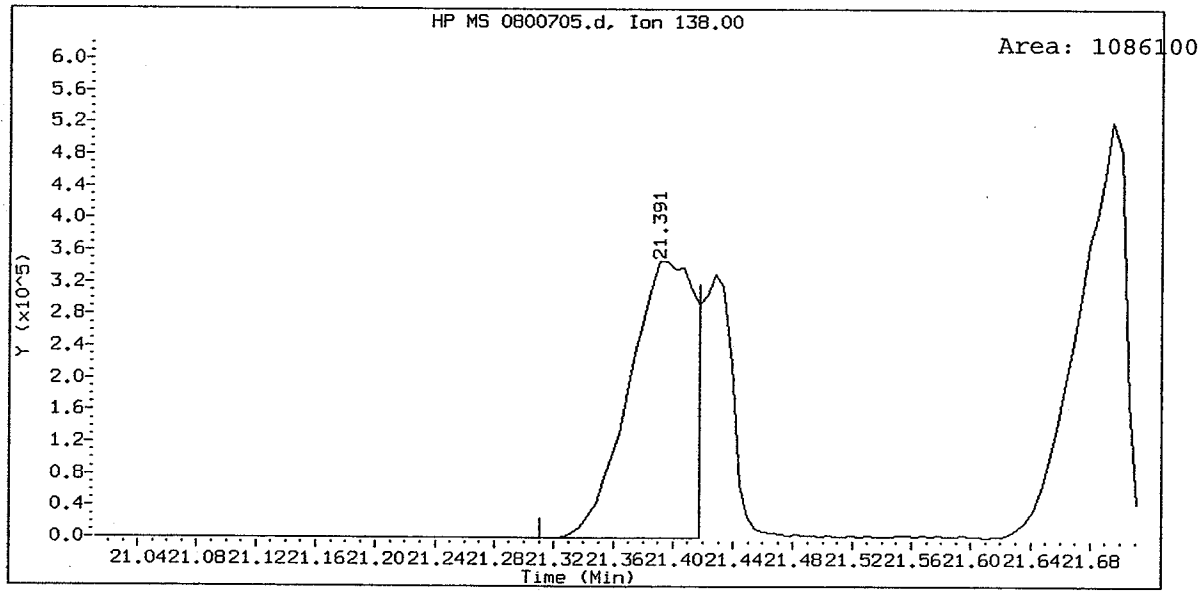
Indeno(1,2,3-cd)pyrene Amount: 82.23







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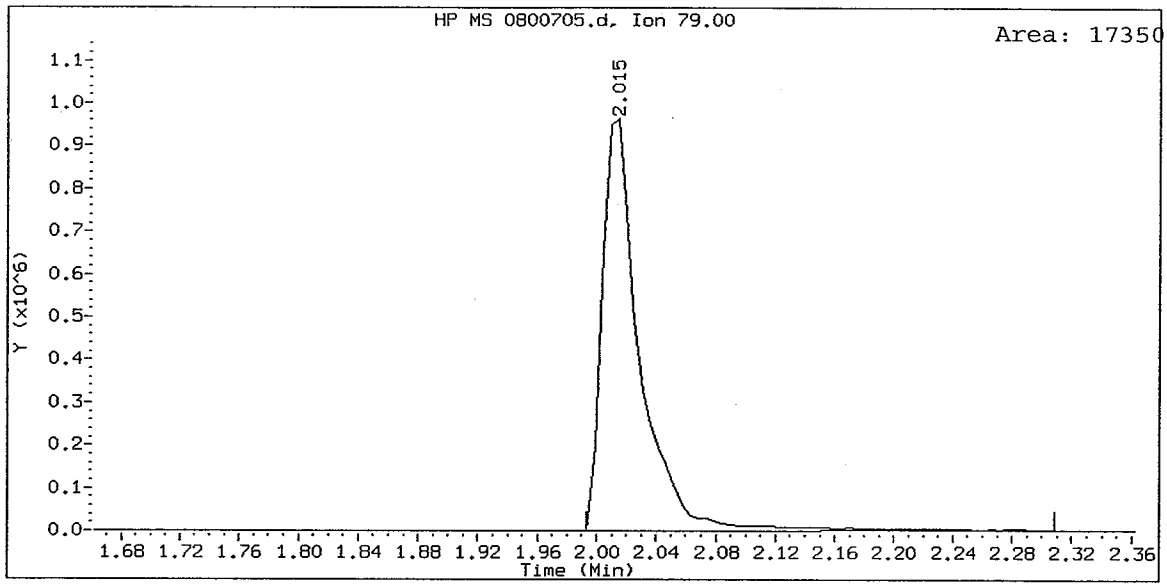
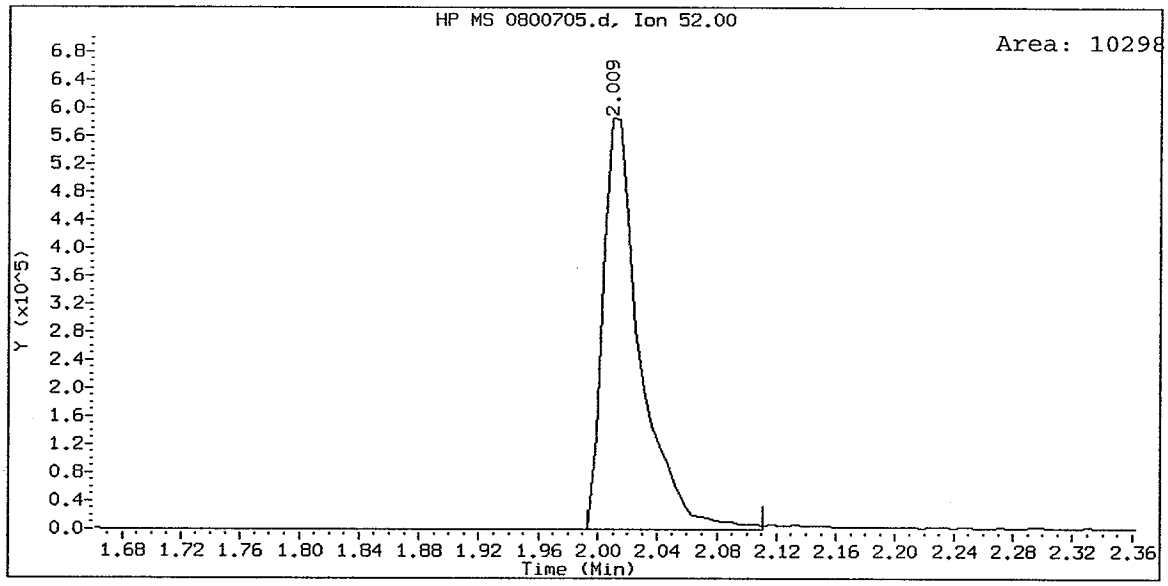
Pyridine Amount: 80.60





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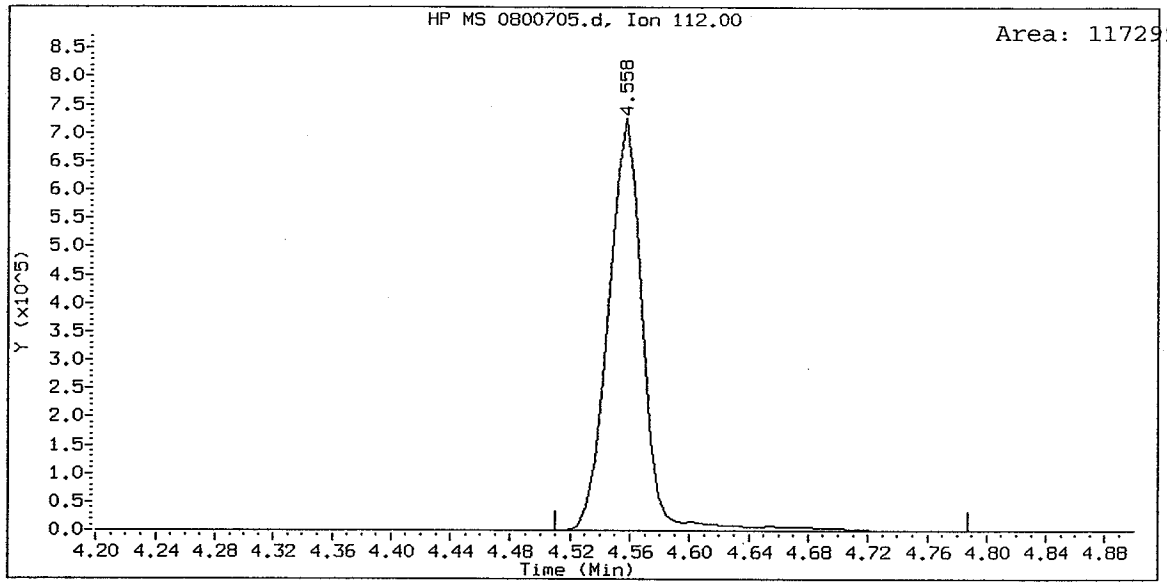
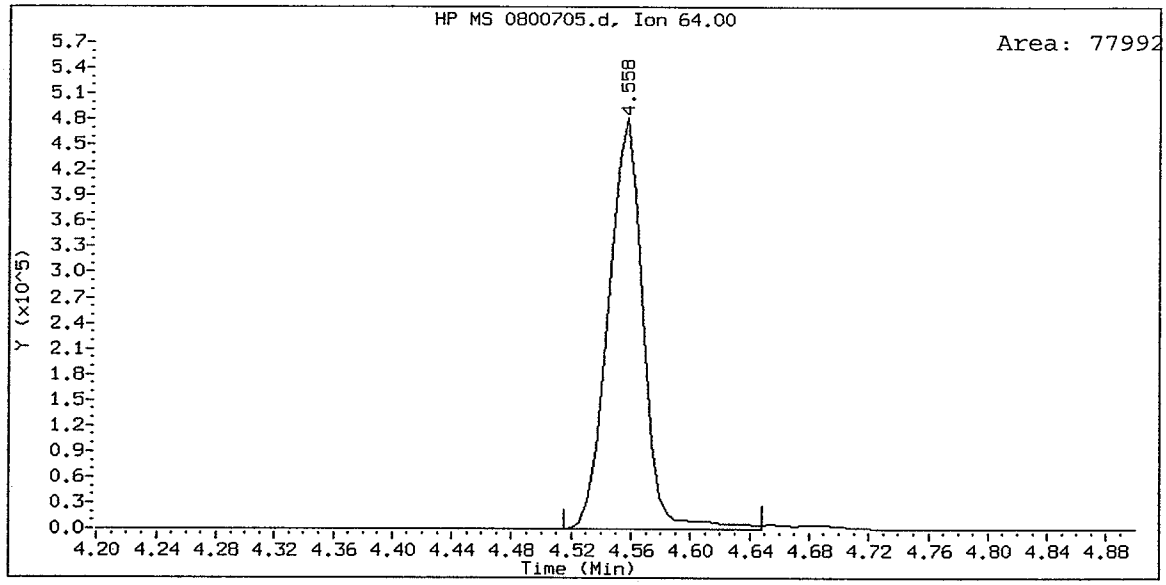
2-Fluorophenol Amount: 81.61





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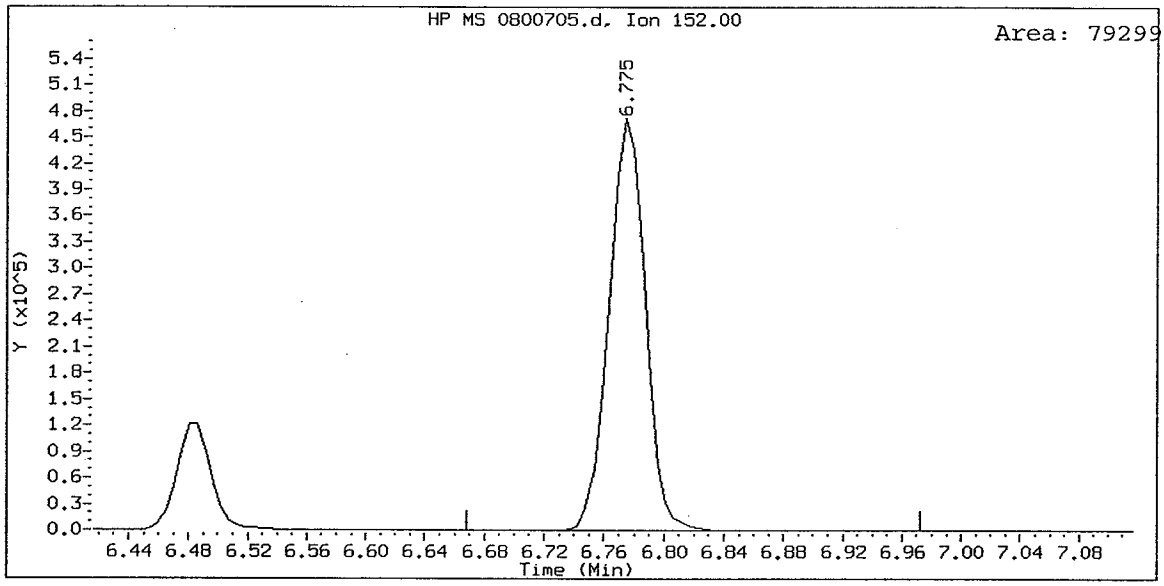
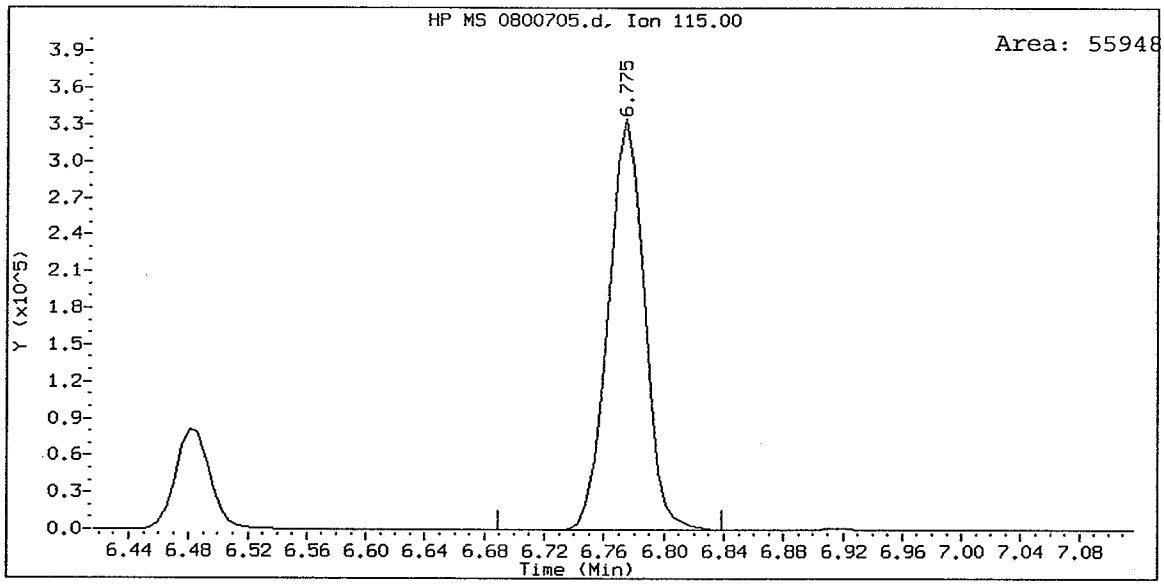
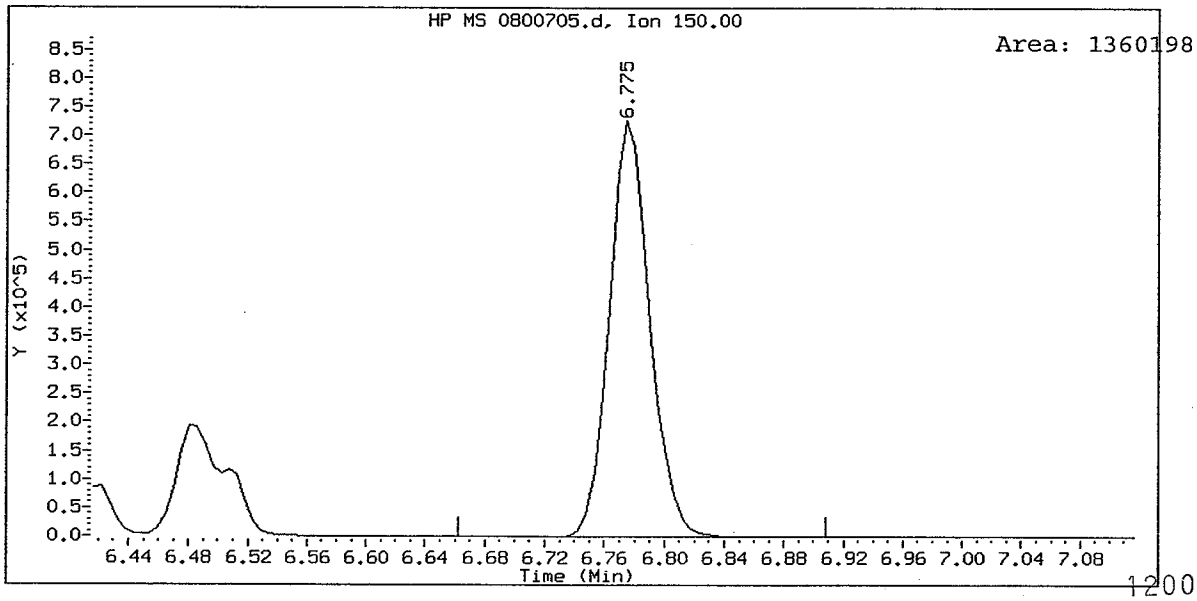
1,2-Dichlorobenzene-d4 Amount: 83.31







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060705.b/icv0705.d
Lab Smp Id: ABN ICV
Inj Date : 05-JUL-2006 13:20
Operator : LJR Inst ID: nt6.i
Smp Info : ABN ICV
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060705.b/SW846.m
Meth Date : 05-Jul-2006 14:06 jeff Quant Type: ISTD
Cal Date : 05-JUL-2006 12:49 Cal File: 0100705.d
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICV.sub
Target Version: 3.50

LJR 7/5/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
	3 Phenol	94	6.153	6.150	(0.950)	434125	20.4539	20.45
	4 Bis(2-Chloroethyl)ether	93	6.191	6.188	(0.956)	320659	20.3049	20.30
	6 2-Chlorophenol	128	6.212	6.209	(0.960)	300438	20.5723	20.57
	7 1,3-Dichlorobenzene	146	6.410	6.407	(0.990)	325211	20.4857	20.49
*	8 1,4-Dichlorobenzene-d4	152	6.474	6.476	(1.000)	190508	20.0000	
	9 1,4-Dichlorobenzene	146	6.501	6.497	(1.004)	336722	20.6410	20.64
	11 Benzyl alcohol	108	6.795	6.791	(1.050)	222926	22.0455	22.05
	12 1,2-Dichlorobenzene	146	6.789	6.786	(1.049)	318129	20.2840	20.28
	13 2-Methylphenol	108	7.067	7.064	(1.092)	299547	21.4497	21.45
	14 2,2'-oxybis(1-Chloropropane)	45	7.062	7.058	(1.091)	393927	20.3676	20.37
	15 4-Methylphenol	108	7.302	7.299	(1.128)	296193	20.5655	20.57
	16 N-Nitroso-di-n-propylamine	70	7.270	7.267	(1.123)	287319	21.4965	21.50
	17 Hexachloroethane	117	7.265	7.267	(1.122)	145961	21.1359	21.14
	19 Nitrobenzene	77	7.430	7.427	(0.875)	403573	20.8858	20.89
	20 Isophorone	82	7.820	7.817	(0.921)	618915	20.4222	20.42
	21 2-Nitrophenol	139	7.948	7.945	(0.936)	149315	21.0053	21.01
	22 2,4-Dimethylphenol	107	8.119	8.116	(0.956)	300379	20.2579	20.26
	23 Bis(2-Chloroethoxy)methane	93	8.253	8.250	(0.972)	359712	21.3053	21.31
	24 Benzoic acid	105	8.349	8.340	(0.983)	170513	21.7877	21.79 (M)
	25 2,4-Dichlorophenol	162	8.338	8.340	(0.982)	232081	21.4348	21.43
	26 1,2,4-Trichlorobenzene	180	8.451	8.447	(0.995)	251544	20.1435	20.14
*	27 Naphthalene-d8	136	8.493	8.490	(1.000)	650128	20.0000	
	28 Naphthalene	128	8.525	8.522	(1.004)	817092	20.6740	20.67
	29 4-Chloroaniline	127	8.702	8.698	(1.025)	321095	20.1442	20.14
	30 Hexachlorobutadiene	225	8.867	8.869	(1.044)	160410	20.4460	20.45
	31 4-Chloro-3-methylphenol	107	9.551	9.553	(1.125)	264886	21.6554	21.66
	32 2-Methylnaphthalene	141	9.637	9.639	(1.135)	427665	20.0067	20.01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
	33 Hexachlorocyclopentadiene	237	10.027	10.029	(0.886)	87399	17.9495	17.95
	34 2,4,6-Trichlorophenol	196	10.171	10.167	(0.899)	167599	20.6293	20.63
	35 2,4,5-Trichlorophenol	196	10.224	10.226	(0.904)	174796	20.7025	20.70
	37 2-Chloronaphthalene	162	10.400	10.397	(0.919)	472074	19.7304	19.73
	38 2-Nitroaniline	65	10.657	10.654	(0.942)	207038	21.2082	21.21
	39 Dimethylphthalate	163	11.063	11.060	(0.978)	530704	20.9014	20.90
	40 Acenaphthylene	152	11.063	11.060	(0.978)	731078	19.7616	19.76
	41 2,6-Dinitrotoluene	165	11.138	11.134	(0.984)	113890	19.6755	19.68
*	42 Acenaphthene-d10	164	11.314	11.316	(1.000)	364760	20.0000	
	43 3-Nitroaniline	138	11.330	11.327	(1.001)	124779	20.1691	20.17
	44 Acenaphthene	153	11.367	11.364	(1.005)	474800	20.2709	20.27
	45 2,4-Dinitrophenol	184	11.496	11.492	(1.016)	19891	17.7056	17.71(M)
	46 Dibenzofuran	168	11.624	11.626	(1.027)	625032	19.3949	19.39
	47 4-Nitrophenol	109	11.693	11.701	(1.034)	89647	22.2673	22.27
	48 2,4-Dinitrotoluene	165	11.747	11.743	(1.038)	143852	19.5880	19.59
	49 Fluorene	166	12.174	12.171	(1.076)	522742	19.9962	20.00
	50 Diethylphthalate	149	12.217	12.208	(1.080)	508897	20.7507	20.75
	51 4-Chlorophenyl-phenylether	204	12.233	12.230	(1.081)	280199	20.4036	20.40
	52 4-Nitroaniline	138	12.313	12.304	(1.088)	103938	19.1394	19.14
	53 4,6-Dinitro-2-methylphenol	198	12.388	12.384	(0.908)	72411	23.1962	23.20
	54 N-Nitrosodiphenylamine	169	12.441	12.443	(0.912)	283335	15.3746	15.37(R)
	56 4-Bromophenyl-phenylether	248	12.997	12.993	(0.952)	153833	20.4248	20.42
	57 Hexachlorobenzene	284	13.184	13.180	(0.966)	155439	19.6922	19.69
	58 Pentachlorophenol	266	13.494	13.496	(0.989)	89136	20.7335	20.73
*	59 Phenanthrene-d10	188	13.648	13.645	(1.000)	536565	20.0000	
	60 Phenanthrene	178	13.686	13.683	(1.003)	711590	19.9215	19.92
	61 Anthracene	178	13.755	13.752	(1.008)	696857	19.4330	19.43
	62 Carbazole	167	14.060	14.057	(1.030)	556593	19.2814	19.28
	63 Di-n-butylphthalate	149	14.845	14.842	(1.088)	706011	20.4183	20.42
	64 Fluoranthene	202	15.588	15.584	(1.142)	736752	20.9204	20.92
	65 Pyrene	202	15.930	15.926	(0.890)	750136	20.0449	20.04
	67 Butylbenzylphthalate	149	17.222	17.219	(0.962)	298551	21.5001	21.50
	68 Benzo(a)anthracene	228	17.879	17.876	(0.999)	687878	20.5040	20.50
*	69 Chrysene-d12	240	17.901	17.898	(1.000)	444271	20.0000	
	70 3,3'-Dichlorobenzidine	252	17.933	17.930	(1.002)	248659	20.5527	20.55
	71 Chrysene	228	17.938	17.935	(1.002)	691197	20.7329	20.73
	72 bis(2-Ethylhexyl)phthalate	149	18.248	18.245	(0.952)	386911	21.0808	21.08
*	134 Di-n-octylphthalate-d4	153	19.178	19.174	(1.000)	726904	20.0000	
	73 Di-n-octylphthalate	149	19.183	19.180	(1.000)	723545	20.8397	20.84
	74 Benzo(b)fluoranthene	252	19.509	19.506	(0.974)	650279	20.0679	20.07
	75 Benzo(k)fluoranthene	252	19.541	19.538	(0.976)	738789	22.0484	22.05
	76 Benzo(a)pyrene	252	19.942	19.938	(0.996)	613879	19.6830	19.68
*	77 Perylene-d12	264	20.022	20.024	(1.000)	493568	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	21.368	21.359	(1.067)	790396	20.8315	20.83(M)
	79 Dibenzo(a,h)anthracene	278	21.400	21.391	(1.069)	783072	21.0105	21.01
	80 Benzo(g,h,i)perylene	276	21.656	21.648	(1.082)	849899	21.3916	21.39
	103 Pyridine	79	2.013	2.010	(0.311)	422787	20.0805	20.08

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
90 N-Nitrosodimethylamine	74	2.029	2.026	(0.313)	213344	20.7580	20.76
91 Aniline	93	6.047	6.049	(0.934)	471774	18.8266	18.83
105 1-methylnaphthalene	141	9.802	9.799	(1.154)	441584	19.7617	19.76
111 Azobenzene (1,2-DP-Hydrazine)	77	12.473	12.475	(1.102)	732433	20.5226	20.52
93 Benzidine	184	15.881	15.878	(0.887)	149439	11.6134	11.61 (RM)

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: nt6.i
Lab File ID: icv0705.d
Lab Smp Id: ABN ICV
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060705.b/SW846.m
Misc Info:

Calibration Date: 05-JUL-2006
Calibration Time: 10:16

Level:
Sample Type:

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	200696	100348	401392	190508	-5.08
27 Naphthalene-d8	684917	342458	1369834	650128	-5.08
42 Acenaphthene-d10	379750	189875	759500	364760	-3.95
59 Phenanthrene-d10	559641	279820	1119282	536565	-4.12
69 Chrysene-d12	488455	244228	976910	444271	-9.05
134 Di-n-octylphthala	797584	398792	1595168	726904	-8.86
77 Perylene-d12	578815	289408	1157630	493568	-14.73

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.47	5.97	6.97	6.47	0.02
27 Naphthalene-d8	8.49	7.99	8.99	8.49	0.01
42 Acenaphthene-d10	11.32	10.82	11.82	11.31	-0.04
59 Phenanthrene-d10	13.65	13.15	14.15	13.65	0.01
69 Chrysene-d12	17.90	17.40	18.40	17.90	-0.02
134 Di-n-octylphthala	19.18	18.68	19.68	19.18	0.01
77 Perylene-d12	20.02	19.52	20.52	20.02	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: Client SDG: 20060705
Sample Matrix: NONE Fraction: SV
Lab Smp Id: ABN ICV
Level: Operator: LJR
Data Type: MS DATA SampleType: LCS
SpikeList File: ICV.spk Quant Type: ISTD
Sublist File: ICV.sub
Method File: /chem1/nt6.i/20060705.b/SW846.m
Misc Info:

SPIKE	COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
3	Phenol	25.00	20.45	81.82	
4	Bis(2-Chloroethyl)	25.00	20.30	81.22	
6	2-Chlorophenol	25.00	20.57	82.29	
7	1,3-Dichlorobenzen	25.00	20.49	81.94	
9	1,4-Dichlorobenzen	25.00	20.64	82.56	
11	Benzyl alcohol	25.00	22.05	88.18	
12	1,2-Dichlorobenzen	25.00	20.28	81.14	
13	2-Methylphenol	25.00	21.45	85.80	
14	2,2'-oxybis(1-Chlo	25.00	20.37	81.47	
15	4-Methylphenol	25.00	20.57	82.26	
16	N-Nitroso-di-n-pro	25.00	21.50	85.99	
19	Nitrobenzene	25.00	20.89	83.54	
20	Isophorone	25.00	20.42	OK 81.69	
21	2-Nitrophenol	25.00	21.01	84.02	
22	2,4-Dimethylphenol	25.00	20.26	81.03	
23	Bis(2-Chloroethoxy	25.00	21.31	85.22	
24	Benzoic acid	25.00	21.79	87.15	
25	2,4-Dichlorophenol	25.00	21.43	85.74	
26	1,2,4-Trichloroben	25.00	20.14	80.57	
28	Naphthalene	25.00	20.67	82.70	
29	4-Chloroaniline	25.00	20.14	80.58	
30	Hexachlorobutadien	25.00	20.45	81.78	
31	4-Chloro-3-methylp	25.00	21.66	86.62	
32	2-Methylnaphthalen	25.00	20.01	80.03	
33	Hexachlorocyclopen	25.00	17.95	71.80	
34	2,4,6-Trichlorophe	25.00	20.63	82.52	
35	2,4,5-Trichlorophe	25.00	20.70	82.81	
37	2-Chloronaphthalen	25.00	19.73	78.92	
39	Dimethylphthalate	25.00	20.90	83.61	
40	Acenaphthylene	25.00	19.76	79.05	
43	3-Nitroaniline	25.00	20.17	80.68	
44	Acenaphthene	25.00	20.27	81.08	
46	Dibenzofuran	25.00	19.39	77.58	

SPIKE	COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
48	2,4-Dinitrotoluene	25.00	19.59	78.35	
49	Fluorene	25.00	20.00	79.98	
50	Diethylphthalate	25.00	20.75	83.00	
51	4-Chlorophenyl-phe	25.00	20.40	81.61	
52	4-Nitroaniline	25.00	19.14	76.56	
53	4,6-Dinitro-2-meth	25.00	23.20	92.78	
54	N-Nitrosodiphenyla	25.00	15.37	61.50*	
56	4-Bromophenyl-phen	25.00	20.42	81.70	
57	Hexachlorobenzene	25.00	19.69	78.77	
58	Pentachlorophenol	25.00	20.73	82.93	
60	Phenanthrene	25.00	19.92	79.69	
61	Anthracene	25.00	19.43	77.73	
62	Carbazole	25.00	19.28	77.13	
63	Di-n-butylphthalat	25.00	20.42	81.67	
64	Fluoranthene	25.00	20.92	83.68	
65	Pyrene	25.00	20.04	80.18	
67	Butylbenzylphthala	25.00	21.50	86.00	
68	Benzo(a)anthracene	25.00	20.50	82.02	
70	3,3'-Dichlorobenzi	25.00	20.55	82.21	
71	Chrysene	25.00	20.73	82.93	
72	bis(2-Ethylhexyl)p	25.00	21.08	84.32	
73	Di-n-octylphthalat	25.00	20.84	83.36	
74	Benzo(b)fluoranthe	25.00	20.07	80.27	
75	Benzo(k)fluoranthe	25.00	22.05	88.19	
76	Benzo(a)pyrene	25.00	19.68	78.73	
78	Indeno(1,2,3-cd)py	25.00	20.83	83.33	
79	Dibenzo(a,h)anthra	25.00	21.01	84.04	
80	Benzo(g,h,i)peryle	25.00	21.39	85.57	
103	Pyridine	25.00	20.08	80.32	
90	N-Nitrosodimethyla	25.00	20.76	83.03	
91	Aniline	25.00	18.83	75.31	
105	1-methylnaphthalen	25.00	19.76	79.05	
111	Azobenzene (1,2-DP	25.00	20.52	82.09	
93	Benzidine	25.00	11.61	46.45*	

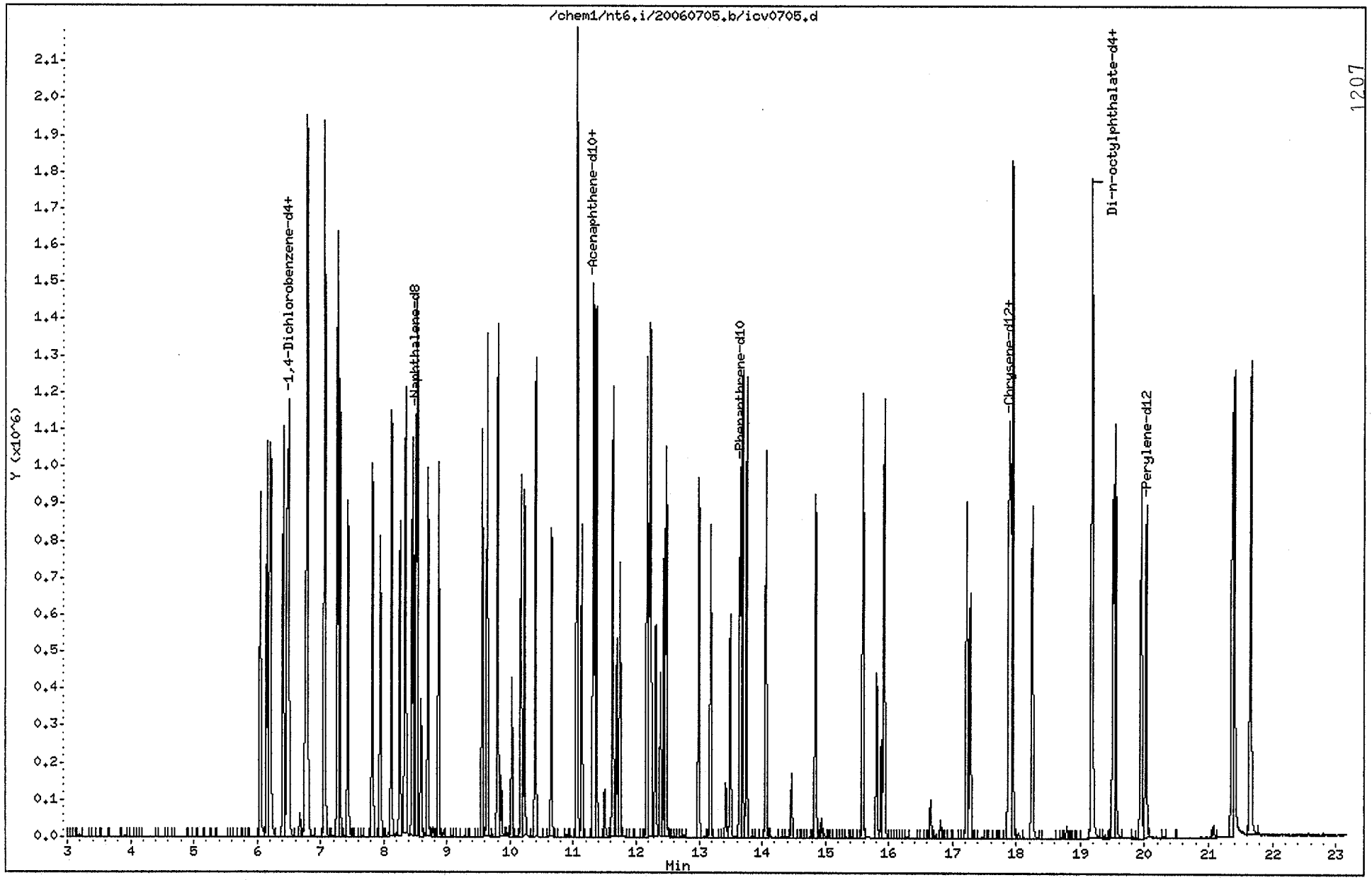
OK

Data File: /chem1/nt6.i/20060705.b/icv0705.d
Date : 05-JUL-2006 13:20
Client ID:
Sample Info: ABN ICV

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32

Column phase: ZB-5



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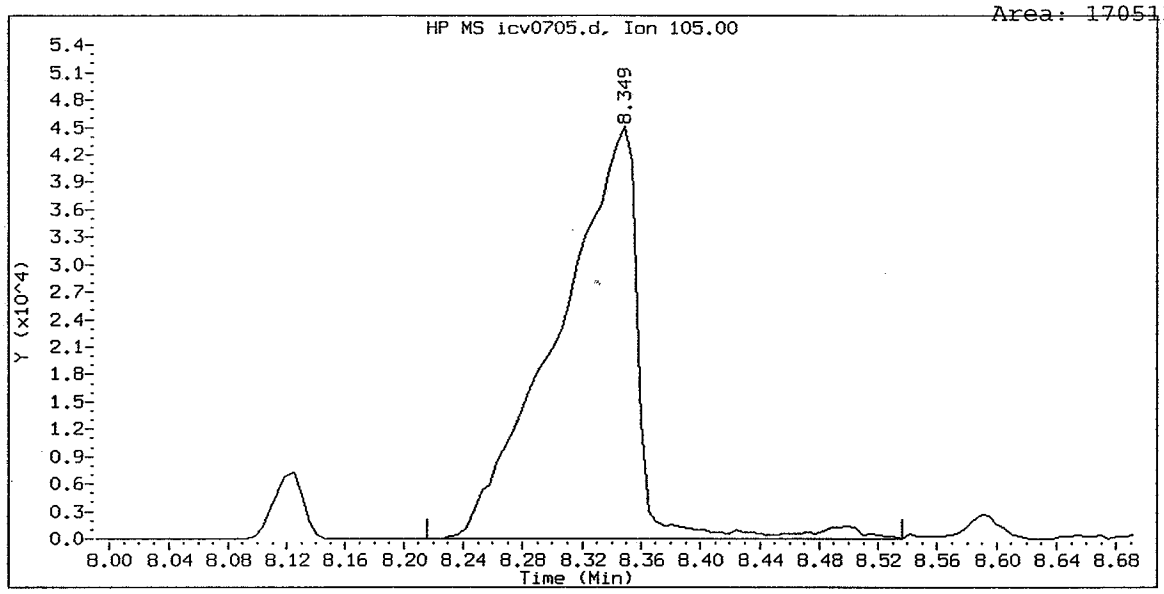
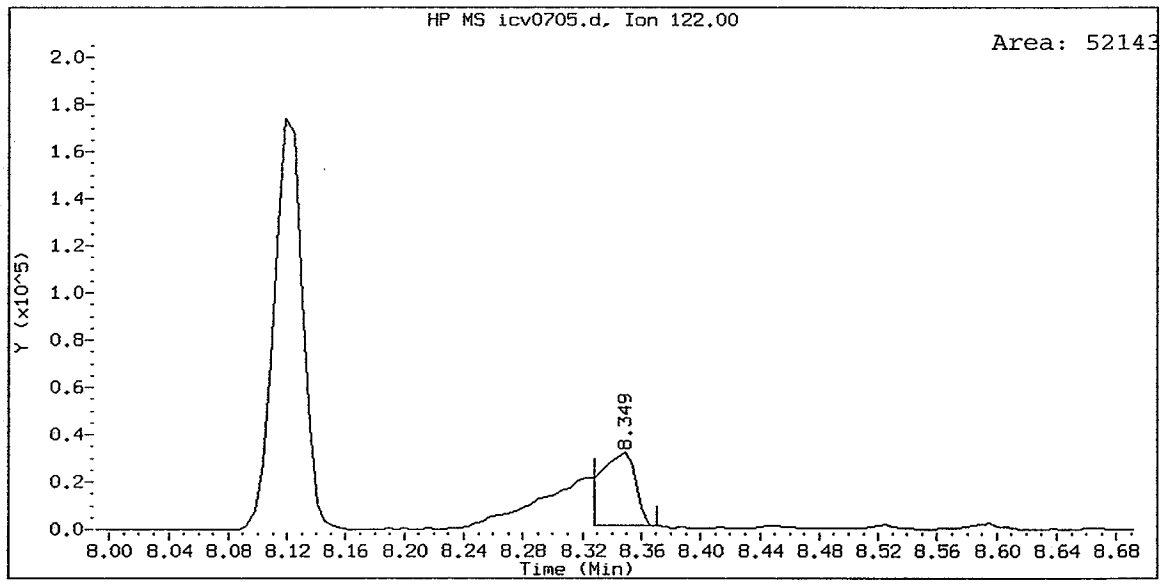
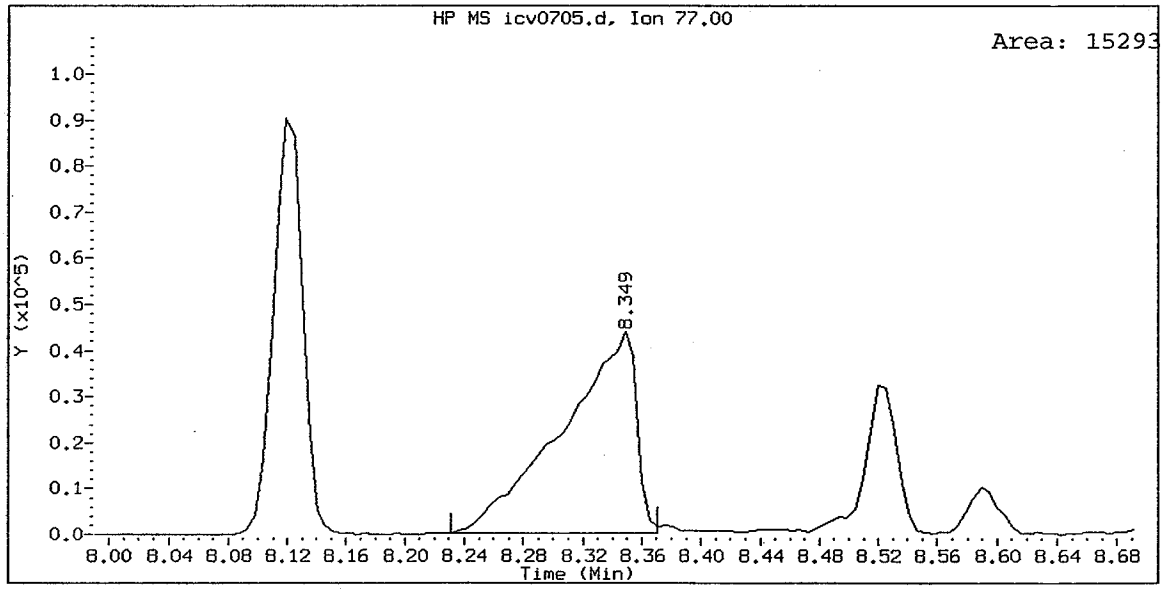
Benzoic acid Amount: 21.79







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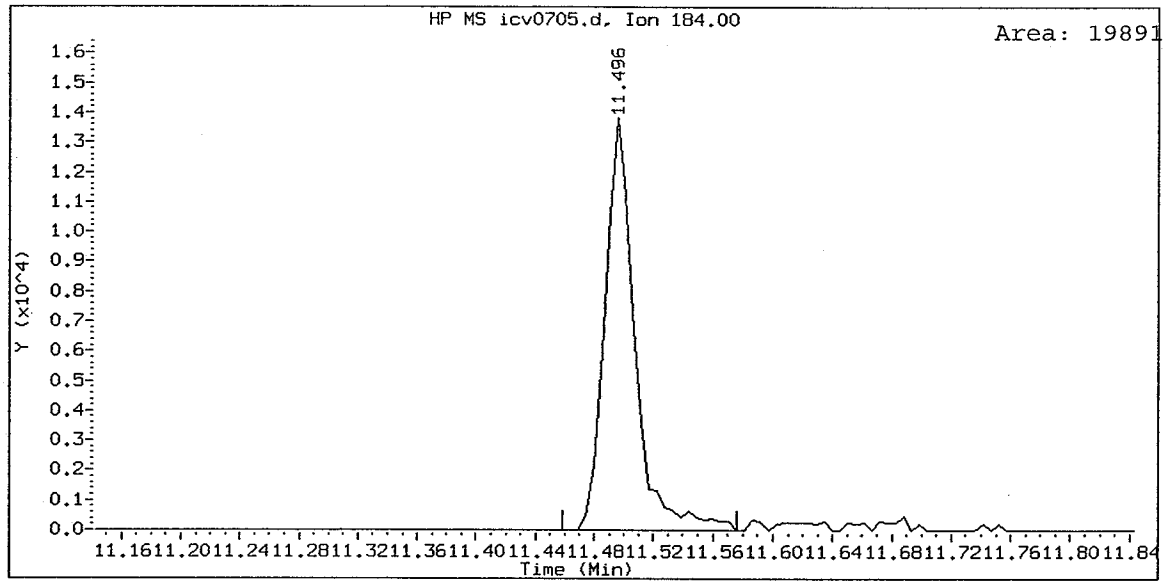
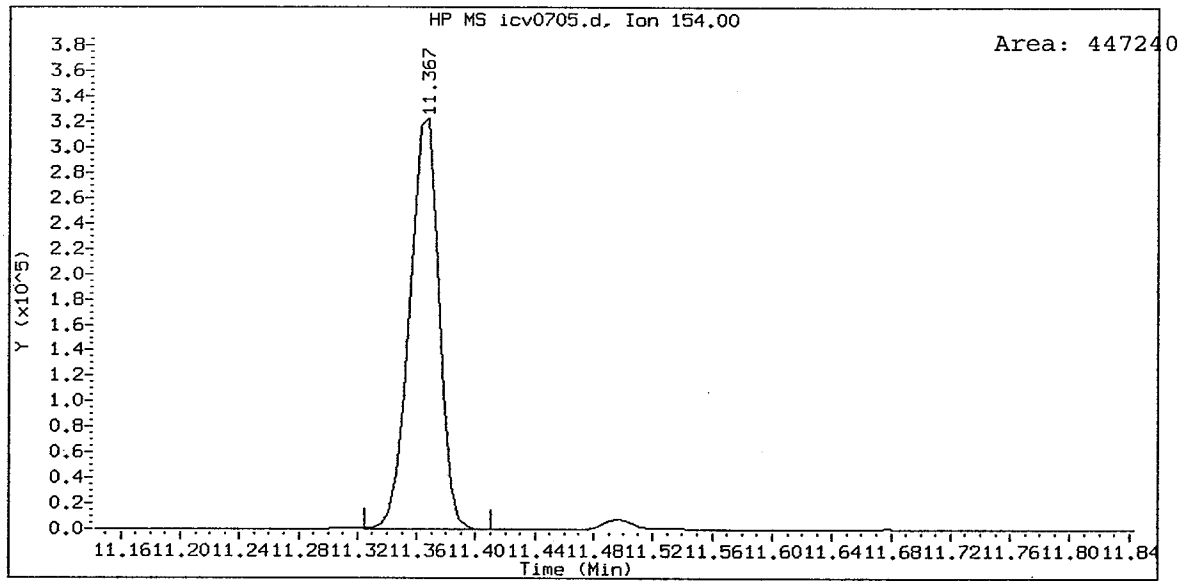
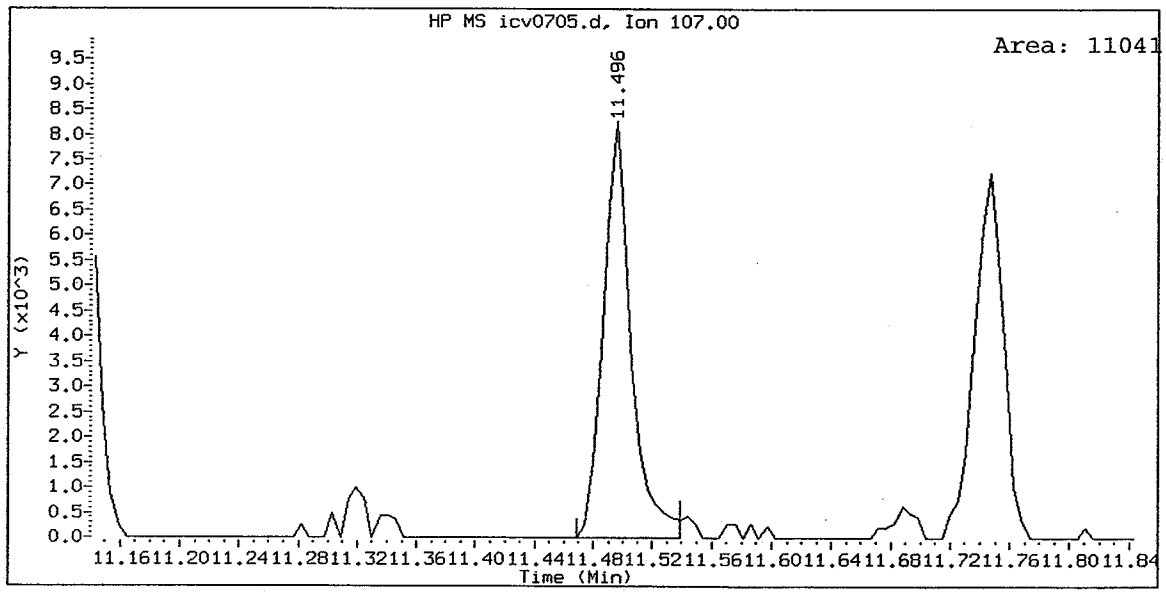
2,4-Dinitrophenol Amount: 17.71







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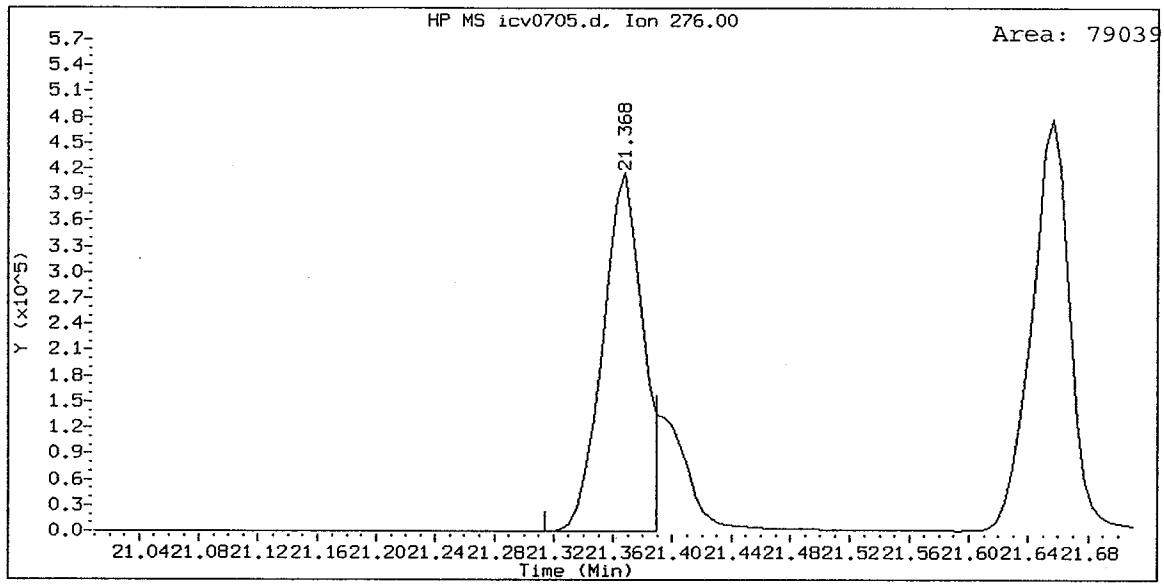
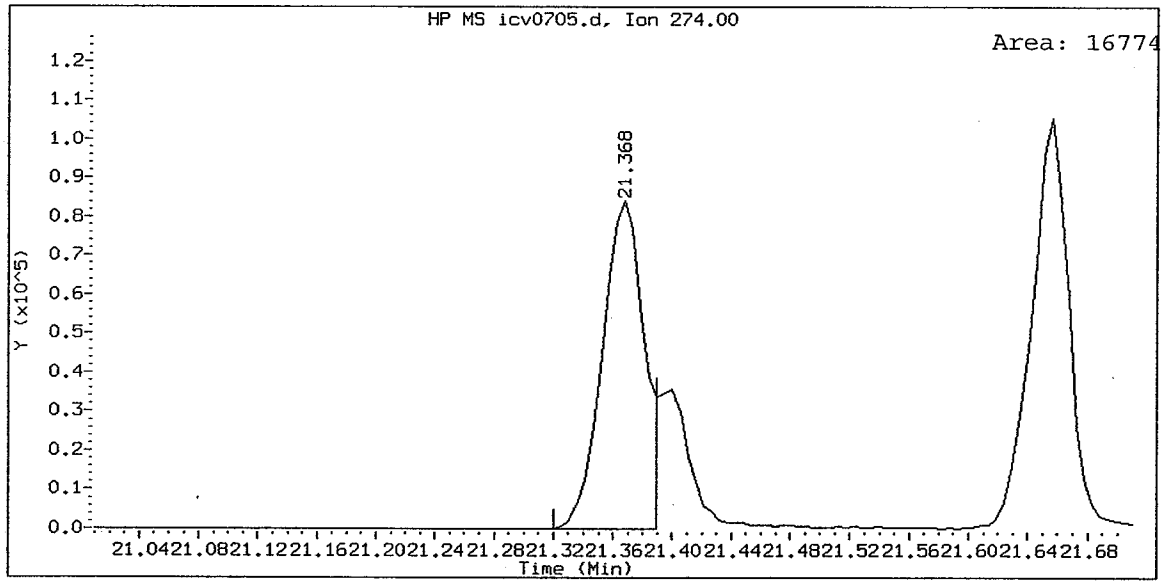
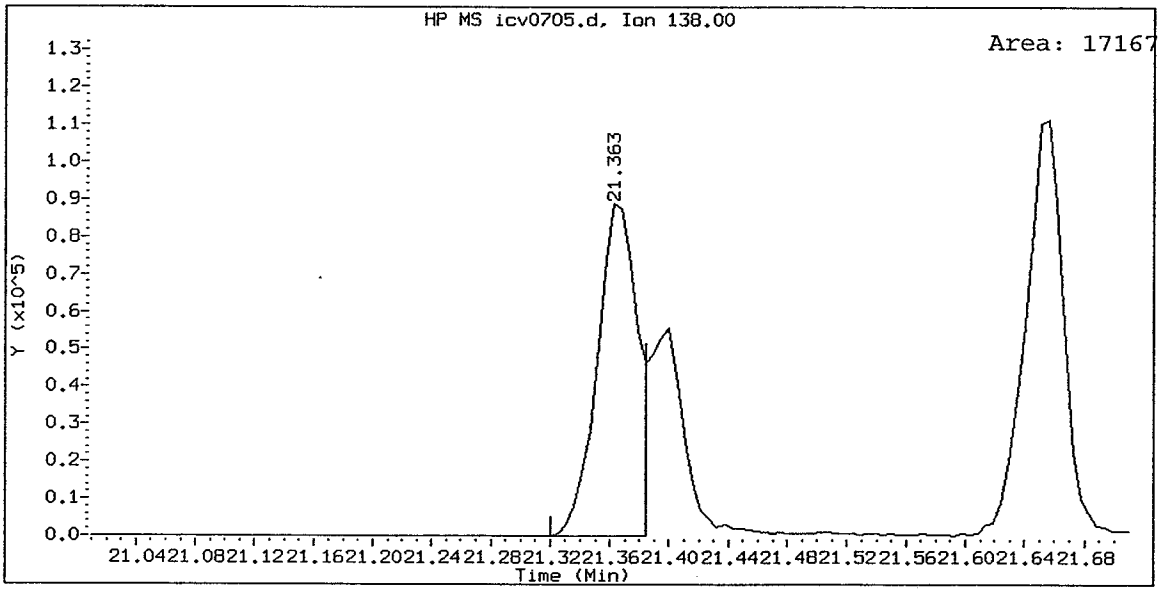
Indeno(1,2,3-cd)pyrene Amount: 20.83







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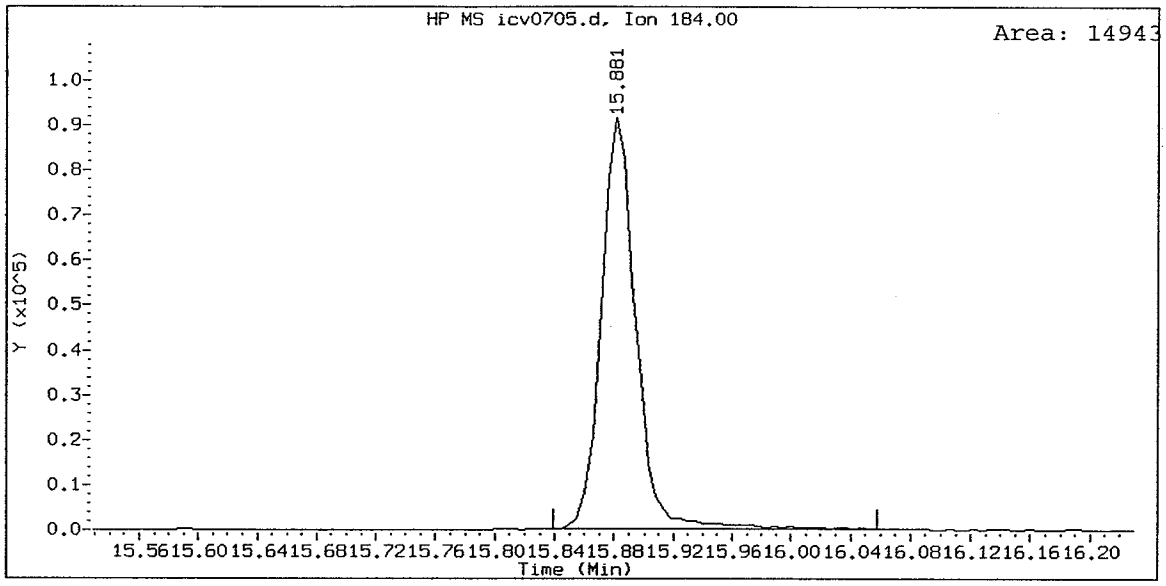
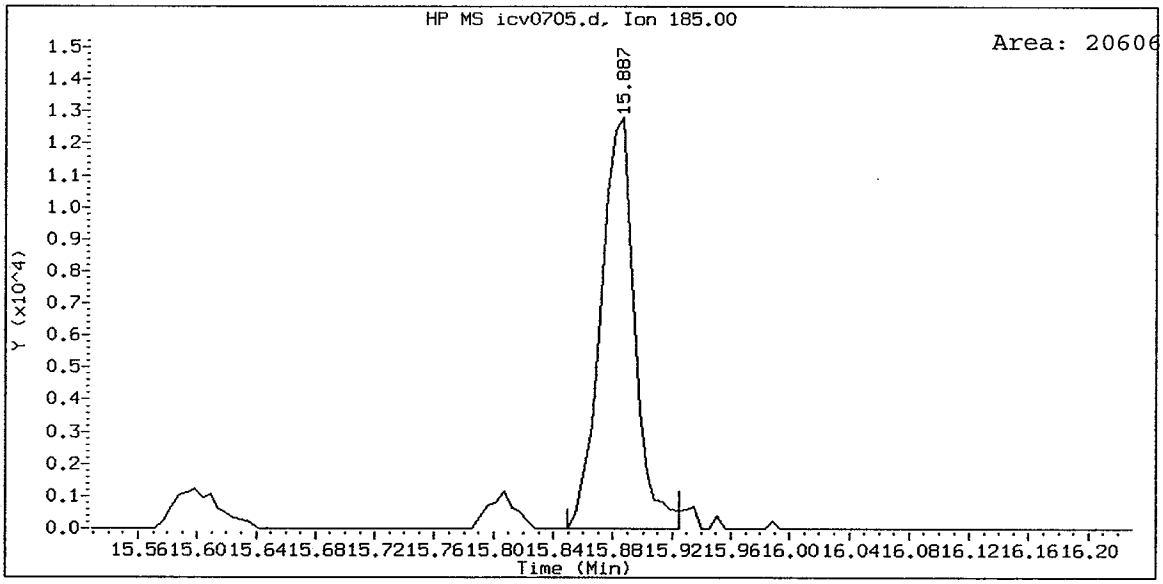
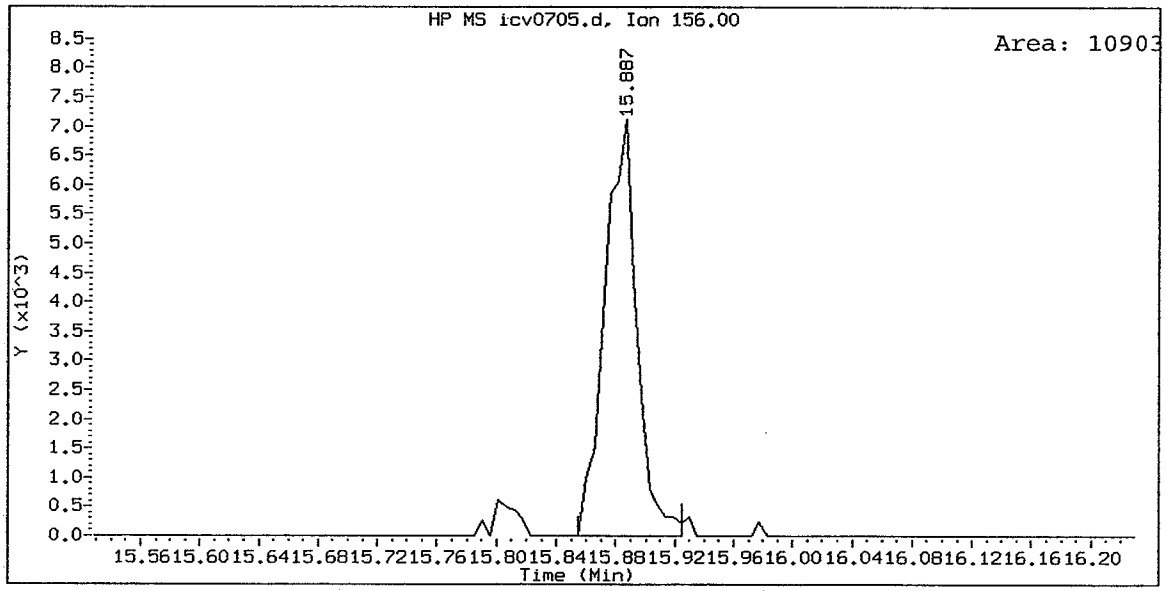
Benzidine Amount: 11.61







7B

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Instrument ID: NT6 Cont. Calib. Date: 08/01/06

Init. Calib. Date: 07/05/06 Cont. Calib. Time: 1157

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
Phenol	2.228	2.352	0.100	-5.6	20.0
Bis(2-Chloroethyl)ether	1.658	1.800	0.100	-8.6	
2-Chlorophenol	1.533	1.586	0.100	-3.4	
1,3-Dichlorobenzene	1.667	1.632	0.100	2.1	
1,4-Dichlorobenzene	1.712	1.734	0.100	-1.3	20.0
1,2-Dichlorobenzene	1.646	1.599	0.100	2.8	
Benzyl alcohol	1.062	1.034	0.100	2.6	
2,2'-oxybis(1-Chloropropane)	2.030	2.558	0.100	-26.0	
2-Methylphenol	1.466	1.539	0.100	-5.0	
Hexachloroethane	0.725	0.710	0.100	2.1	
N-Nitroso-di-n-propylamine	1.403	1.498	0.050	-6.8	
4-Methylphenol	1.512	1.632	0.100	-7.9	
Nitrobenzene	0.594	0.596	0.100	-0.3	
Isophorone	0.932	0.963	0.100	-3.3	
2-Nitrophenol	0.219	0.214	0.100	2.3	20.0
2,4-Dimethylphenol	0.456	0.436	0.100	4.4	
Bis(2-Chloroethoxy)methane	0.519	0.539	0.100	-3.8	
2,4-Dichlorophenol	0.333	0.325	0.100	2.4	20.0
1,2,4-Trichlorobenzene	0.384	0.364	0.100	5.2	
Naphthalene	1.216	1.203	0.100	1.1	
Benzoic acid	0.241	0.307	0.100	-27.4	
4-Chloroaniline	0.490	0.473	0.100	3.5	
Hexachlorobutadiene	0.241	0.220	0.100	8.7	20.0
4-Chloro-3-methylphenol	0.376	0.383	0.100	-1.9	20.0
2-Methylnaphthalene	0.658	0.669	0.100	-1.7	
Hexachlorocyclopentadiene	0.267	0.289	0.050	-8.2	
2,4,6-Trichlorophenol	0.446	0.447	0.100	-0.2	20.0
2,4,5-Trichlorophenol	0.463	0.484	0.100	-4.5	
2-Chloronaphthalene	1.312	1.281	0.100	2.4	
2-Nitroaniline	0.535	0.530	0.100	0.9	
Acenaphthylene	2.028	2.013	0.100	0.7	
Dimethylphthalate	1.392	1.359	0.100	2.4	
2,6-Dinitrotoluene	0.317	0.313	0.100	1.3	
Acenaphthene	1.284	1.316	0.100	-2.5	20.0
3-Nitroaniline	0.339	0.327	0.100	3.5	
2,4-Dinitrophenol	0.061	0.093	0.050	-52.4	
Dibenzofuran	1.767	1.742	0.100	1.4	

<- Outside QC limits

FORM VII SV-1

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Instrument ID: NT6 Cont. Calib. Date: 08/01/06

Init. Calib. Date: 07/05/06 Cont. Calib. Time: 1157

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
4-Nitrophenol	0.221	0.180	0.050	18.6	
2,4-Dinitrotoluene	0.403	0.391	0.100	3.0	
Fluorene	1.433	1.450	0.100	-1.2	
4-Chlorophenyl-phenylether	0.753	0.736	0.100	2.2	
Diethylphthalate	1.345	1.313	0.100	2.4	
4-Nitroaniline	0.298	0.257	0.100	13.8	
4,6-Dinitro-2-methylphenol	0.116	0.133	0.100	-14.6	
N-Nitrosodiphenylamine(1)	0.687	0.705	0.100	-2.6	
4-Bromophenyl-phenylether	0.281	0.286	0.100	-1.8	
Hexachlorobenzene	0.294	0.303	0.100	-3.1	
Pentachlorophenol	0.160	0.174	0.100	-8.8	20.0
Phenanthrene	1.331	1.329	0.100	0.2	
Anthracene	1.337	1.332	0.100	0.4	
Carbazole	1.076	1.026	0.100	4.6	
Di-n-butylphthalate	1.289	1.297	0.100	-0.6	
Fluoranthene	1.312	1.215	0.100	7.4	20.0
Pyrene	1.684	1.865	0.100	-10.7	
Butylbenzylphthalate	0.625	0.674	0.100	-7.8	
Benzo(a)anthracene	1.510	1.524	0.100	-0.9	
3,3'-Dichlorobenzidine	0.545	0.470	0.100	13.8	
Chrysene	1.501	1.449	0.100	3.5	
bis(2-Ethylhexyl)phthalate	0.505	0.572	0.100	-13.3	
Di-n-octylphthalate	0.955	0.917	0.100	4.0	20.0
Benzo(b)fluoranthene	1.313	1.422	0.100	-8.3	
Benzo(k)fluoranthene	1.358	1.424	0.100	-4.9	
Benzo(a)pyrene	1.264	1.285	0.100	-1.7	20.0
Indeno(1,2,3-cd)pyrene	1.538	1.325	0.100	13.8	
Dibenzo(a,h)anthracene	1.510	1.387	0.100	8.1	
Benzo(g,h,i)perylene	1.610	1.464	0.100	9.1	
N-Nitrosodimethylamine	1.079	1.305	0.100	-20.9	
Aniline	2.630	2.800	0.100	-6.5	
Benzidine	0.579	0.424	0.100	26.8	
Pyridine	2.210	2.548	0.100	-15.3	
1-methylnaphthalene	0.687	0.687	0.100	0.0	
Azobenzene (1,2-DP-Hydrazine	1.957	2.113	0.100	-8.0	

(1) Cannot be separated from Diphenylamine

<- Outside QC limits

FORM VII SV-2

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Instrument ID: NT6 Cont. Calib. Date: 08/01/06

Init. Calib. Date: 07/05/06 Cont. Calib. Time: 1157

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
2-Fluorophenol	1.476	1.536	0.100	-4.1	
Phenol-d5	1.788	2.005	0.100	-12.1	
2-Chlorophenol-d4	1.516	1.477	0.100	2.6	
1,2-Dichlorobenzene-d4	0.977	0.936	0.100	4.2	
Nitrobenzene-d5	0.541	0.519	0.100	4.1	
2-Fluorobiphenyl	1.493	1.418	0.100	5.0	
2,4,6-Tribromophenol	0.192	0.192	0.100	0.0	
Terphenyl-d14	1.059	1.147	0.100	-8.3	

<- Outside QC limits

FORM VII SV-3

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0801.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060801.b/SW846.m

Injection Date: 01-AUG-2006 11:57
Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Init. Cal. Times: 10:16 17:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	1.47580	1.53630	1.53630	0.010	-4.09928	100	Averaged
$ 2 Phenol-d5	1.78819	2.00465	2.00465	0.010	-12.10516	100	Averaged
3 Phenol	2.22821	2.35243	2.35243	0.010	-5.57472	20.00000	Averaged
$ 5 2-Chlorophenol-d4	1.51624	1.47720	1.47720	0.010	2.57478	100	Averaged
4 Bis(2-Chloroethyl)ether	1.65790	1.79951	1.79951	0.010	-8.54169	100	Averaged
6 2-Chlorophenol	1.53316	1.58623	1.58623	0.010	-3.46156	100	Averaged
7 1,3-Dichlorobenzene	1.66660	1.63156	1.63156	0.010	2.10273	100	Averaged
9 1,4-Dichlorobenzene	1.71261	1.73407	1.73407	0.010	-1.25329	20.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.97741	0.93560	0.93560	0.010	4.27726	100	Averaged
12 1,2-Dichlorobenzene	1.64652	1.59936	1.59936	0.010	2.86381	100	Averaged
11 Benzyl alcohol	1.06159	1.03423	1.03423	0.010	2.57761	100	Averaged
14 2,2'-oxybis(1-Chloropropane	2.03046	2.55796	2.55796	0.010	-25.97973	100	Averaged
13 2-Methylphenol	1.46609	1.53888	1.53888	0.010	-4.96522	100	Averaged
17 Hexachloroethane	0.72499	0.71004	0.71004	0.010	2.06249	100	Averaged
16 N-Nitroso-di-n-propylamine	1.40318	1.49783	1.49783	0.050	-6.74522	100	Averaged
15 4-Methylphenol	1.51200	1.63181	1.63181	0.010	-7.92362	100	Averaged
$ 18 Nitrobenzene-d5	0.54142	0.51932	0.51932	0.010	4.08262	100	Averaged
19 Nitrobenzene	0.59443	0.59593	0.59593	0.010	-0.25237	100	Averaged
20 Isophorone	0.93231	0.96262	0.96262	0.010	-3.25093	100	Averaged
21 2-Nitrophenol	0.21868	0.21368	0.21368	0.010	2.28609	20.00000	Averaged
22 2,4-Dimethylphenol	0.45615	0.43600	0.43600	0.010	4.41613	100	Averaged
23 Bis(2-Chloroethoxy)methane	0.51940	0.53927	0.53927	0.010	-3.82679	100	Averaged
24 Benzoic acid	0.24076	0.30688	0.30688	0.010	-27.46434	100	Averaged
25 2,4-Dichlorophenol	0.33308	0.32502	0.32502	0.010	2.41946	20.00000	Averaged
26 1,2,4-Trichlorobenzene	0.38416	0.36452	0.36452	0.010	5.11125	100	Averaged
28 Naphthalene	1.21584	1.20266	1.20266	0.010	1.08386	100	Averaged
29 4-Chloroaniline	0.49036	0.47289	0.47289	0.010	3.56228	100	Averaged
30 Hexachlorobutadiene	0.24135	0.21976	0.21976	0.010	8.94696	20.00000	Averaged
31 4-Chloro-3-methylphenol	0.37629	0.38308	0.38308	0.010	-1.80429	20.00000	Averaged
32 2-Methylnaphthalene	0.65760	0.66877	0.66877	0.010	-1.69949	100	Averaged
33 Hexachlorocyclopentadiene	0.26698	0.28895	0.28895	0.050	-8.22873	100	Averaged
34 2,4,6-Trichlorophenol	0.44546	0.44748	0.44748	0.010	-0.45347	20.00000	Averaged
35 2,4,5-Trichlorophenol	0.46295	0.48425	0.48425	0.010	-4.60186	100	Averaged
$ 36 2-Fluorobiphenyl	1.49334	1.41793	1.41793	0.010	5.04967	100	Averaged
37 2-Chloronaphthalene	1.31189	1.28066	1.28066	0.010	2.38012	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0801.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060801.b/SW846.m

Injection Date: 01-AUG-2006 11:57
Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Init. Cal. Times: 10:16 17:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
38 2-Nitroaniline	0.53527	0.53043	0.53043	0.010	0.90357	100	Averaged
39 Dimethylphthalate	1.39220	1.35884	1.35884	0.010	2.39564	100	Averaged
40 Acenaphthylene	2.02846	2.01310	2.01310	0.010	0.75699	100	Averaged
41 2,6-Dinitrotoluene	0.31738	0.31346	0.31346	0.010	1.23500	100	Averaged
43 3-Nitroaniline	0.33922	0.32721	0.32721	0.010	3.53887	100	Averaged
44 Acenaphthene	1.28428	1.31648	1.31648	0.010	-2.50690	20.00000	Averaged
45 2,4-Dinitrophenol	0.06160	0.09318	0.09318	0.050	-51.27360	100	Averaged
46 Dibenzofuran	1.76701	1.74236	1.74236	0.010	1.39479	100	Averaged
47 4-Nitrophenol	0.22074	0.17950	0.17950	0.050	18.68385	100	Averaged
48 2,4-Dinitrotoluene	0.40267	0.39087	0.39087	0.010	2.93029	100	Averaged
50 Diethylphthalate	1.34468	1.31284	1.31284	0.010	2.36797	100	Averaged
49 Fluorene	1.43339	1.45029	1.45029	0.010	-1.17954	100	Averaged
51 4-Chlorophenyl-phenylether	0.75298	0.73639	0.73639	0.010	2.20277	100	Averaged
52 4-Nitroaniline	0.29776	0.25738	0.25738	0.010	13.56328	100	Averaged
53 4,6-Dinitro-2-methylphenol	0.11636	0.13336	0.13336	0.010	-14.61514	100	Averaged
54 N-Nitrosodiphenylamine	0.68692	0.70545	0.70545	0.010	-2.69814	20.00000	Averaged
$ 55 2,4,6-Tribromophenol	0.19232	0.19238	0.19238	0.010	-0.03300	100	Averaged
56 4-Bromophenyl-phenylether	0.28074	0.28656	0.28656	0.010	-2.07366	100	Averaged
57 Hexachlorobenzene	0.29422	0.30298	0.30298	0.010	-2.97777	100	Averaged
58 Pentachlorophenol	0.16025	0.17409	0.17409	0.010	-8.64077	20.00000	Averaged
60 Phenanthrene	1.33142	1.32928	1.32928	0.010	0.16062	100	Averaged
61 Anthracene	1.33663	1.33180	1.33180	0.010	0.36182	100	Averaged
62 Carbazole	1.07599	1.02647	1.02647	0.010	4.60229	100	Averaged
63 Di-n-butylphthalate	1.28884	1.29740	1.29740	0.010	-0.66431	100	Averaged
64 Fluoranthene	1.31268	1.21495	1.21495	0.010	7.44504	20.00000	Averaged
65 Pyrene	1.68468	1.86543	1.86543	0.010	-10.72873	100	Averaged
$ 66 Terphenyl-d14	1.05913	1.14731	1.14731	0.010	-8.32552	100	Averaged
67 Butylbenzylphthalate	0.62512	0.67370	0.67370	0.010	-7.77235	100	Averaged
68 Benzo(a)anthracene	1.51027	1.52440	1.52440	0.010	-0.93514	100	Averaged
70 3,3'-Dichlorobenzidine	0.54465	0.46996	0.46996	0.010	13.71323	100	Averaged
71 Chrysene	1.50081	1.44948	1.44948	0.010	3.42000	100	Averaged
72 bis(2-Ethylhexyl)phthalate	0.50498	0.57163	0.57163	0.010	-13.19768	100	Averaged
73 Di-n-octylphthalate	0.95527	0.91679	0.91679	0.010	4.02791	20.00000	Averaged
74 Benzo(b)fluoranthene	1.31305	1.42253	1.42253	0.010	-8.33775	100	Averaged
75 Benzo(k)fluoranthene	1.35777	1.42357	1.42357	0.010	-4.84588	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0801.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060801.b/SW846.m

Injection Date: 01-AUG-2006 11:57
Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Init. Cal. Times: 10:16 17:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
76 Benzo(a)pyrene	1.26379	1.28539	1.28539	0.010	-1.70949	20.00000	Averaged	
78 Indeno(1,2,3-cd)pyrene	1.53747	1.32518	1.32518	0.010	13.80780	100	Averaged	
79 Dibenzo(a,h)anthracene	1.51025	1.38668	1.38668	0.010	8.18228	100	Averaged	
80 Benzo(g,h,i)perylene	1.60993	1.46408	1.46408	0.010	9.05955	100	Averaged	
90 N-Nitrosodimethylamine	1.07898	1.30548	1.30548	0.010	-20.99223	100	Averaged	
103 Pyridine	2.21036	2.54773	2.54773	0.010	-15.26300	100	Averaged	
91 Aniline	2.63074	2.80033	2.80033	0.010	-6.44619	100	Averaged	
105 1-methylnaphthalene	0.68742	0.68746	0.68746	0.010	-0.00573	100	Averaged	
93 Benzidine	0.57928	0.42456	0.42456	0.010	26.70870	100	Averaged	
98 Retene	0.72951	0.77035	0.77035	0.010	-5.59748	100	Averaged	
111 Azobenzene (1,2-DP-Hydrazin	1.95685	2.11325	2.11325	0.010	-7.99217	100	Averaged	
144 alpha-Terpineol	0.36586	0.40208	0.40208	0.010	-9.90004	100	Averaged	
143 1,4-Dioxane	0.75175	0.00064	0.00064	0.010	100	100	Averaged	<-
$ 137 d8-1,4-Dioxane	0.72004	0.00032	0.00032	0.010	100	100	Averaged	<-
133 Butylatedhydroxytoluene	1.13212	1.07871	1.07871	0.010	4.71783	100	Averaged	
115 Tributyl Phosphate	1.00449	1.07687	1.07687	0.010	-7.20503	100	Averaged	
116 Dibutyl Phenyl Phosphate	0.78147	0.75636	0.75636	0.010	3.21332	100	Averaged	
117 Butyl Diphenyl Phosphate	0.28782	0.32229	0.32229	0.010	-11.97736	100	Averaged	
118 Triphenyl Phosphate	0.23863	0.22548	0.22548	0.010	5.51266	100	Averaged	

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060801.b/cc0801.d
Lab Smp Id: ABN 25
Inj Date : 01-AUG-2006 11:57
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 25
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060801.b/SW846.m
Meth Date : 01-Aug-2006 15:43 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 8/1/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	3.485	3.485	(0.627)	390808	25.0000	26.02(M)
$	2 Phenol-d5	99	5.307	5.307	(0.955)	509948	25.0000	28.03
	3 Phenol	94	5.323	5.323	(0.958)	598416	25.0000	26.39(M)
$	5 2-Chlorophenol-d4	132	5.275	5.275	(0.949)	375774	25.0000	24.36(M)
	4 Bis(2-Chloroethyl)ether	93	5.302	5.302	(0.954)	457765	25.0000	27.14
	6 2-Chlorophenol	128	5.296	5.296	(0.953)	403510	25.0000	25.87(M)
	7 1,3-Dichlorobenzene	146	5.483	5.483	(0.987)	415040	25.0000	24.47
*	8 1,4-Dichlorobenzene-d4	152	5.558	5.558	(1.000)	203506	20.0000	(M)
	9 1,4-Dichlorobenzene	146	5.585	5.585	(1.005)	441118	25.0000	25.31
$	10 1,2-Dichlorobenzene-d4	152	5.852	5.852	(1.053)	238001	25.0000	23.93(M)
	12 1,2-Dichlorobenzene	146	5.873	5.873	(1.057)	406850	25.0000	24.28
	11 Benzyl alcohol	108	5.938	5.938	(1.068)	263089	25.0000	24.36
	14 2,2'-oxybis(1-Chloropropane)	45	6.199	6.199	(1.115)	650701	25.0000	31.49
	13 2-Methylphenol	108	6.247	6.247	(1.124)	391465	25.0000	26.24
	17 Hexachloroethane	117	6.354	6.354	(1.143)	180621	25.0000	24.48
	16 N-Nitroso-di-n-propylamine	70	6.424	6.424	(1.156)	381021	25.0000	26.69
	15 4-Methylphenol	108	6.498	6.498	(1.169)	415103	25.0000	26.98
$	18 Nitrobenzene-d5	82	6.520	6.520	(0.843)	474508	25.0000	23.98
	19 Nitrobenzene	77	6.552	6.552	(0.847)	544509	25.0000	25.06
	20 Isophorone	82	6.958	6.958	(0.899)	879556	25.0000	25.81
	21 2-Nitrophenol	139	7.070	7.070	(0.914)	195241	25.0000	24.43
	22 2,4-Dimethylphenol	107	7.310	7.310	(0.945)	398382	25.0000	23.90
	23 Bis(2-Chloroethoxy)methane	93	7.417	7.417	(0.959)	492739	25.0000	25.96
	24 Benzoic acid	105	7.647	7.647	(0.988)	280398	25.0000	31.87(H)
	25 2,4-Dichlorophenol	162	7.487	7.487	(0.968)	296977	25.0000	24.40
	26 1,2,4-Trichlorobenzene	180	7.567	7.567	(0.978)	333069	25.0000	23.72
*	27 Naphthalene-d8	136	7.599	7.599	(1.000)	730969	20.0000	(H)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	7.631	7.631	(0.986)	1098887	25.0000	24.73
	29 4-Chloroaniline	127	7.845	7.845	(1.014)	432087	25.0000	24.11
	30 Hexachlorobutadiene	225	7.994	7.994	(1.033)	200797	25.0000	22.76
	31 4-Chloro-3-methylphenol	107	8.742	8.742	(1.130)	350025	25.0000	25.45
	32 2-Methylnaphthalene	141	8.742	8.742	(1.130)	611064	25.0000	25.42 (H)
	33 Hexachlorocyclopentadiene	237	9.137	9.137	(0.879)	146194	25.0000	27.06
	34 2,4,6-Trichlorophenol	196	9.298	9.298	(0.895)	226404	25.0000	25.11
	35 2,4,5-Trichlorophenol	196	9.356	9.356	(0.900)	245008	25.0000	26.15
$	36 2-Fluorobiphenyl	172	9.421	9.421	(0.906)	717405	25.0000	23.74
	37 2-Chloronaphthalene	162	9.490	9.490	(0.913)	647955	25.0000	24.40
	38 2-Nitroaniline	65	9.778	9.778	(0.941)	268372	25.0000	24.77
	39 Dimethylphthalate	163	10.201	10.201	(0.981)	687511	25.0000	24.40
	40 Acenaphthylene	152	10.136	10.136	(0.975)	1018533	25.0000	24.81
	41 2,6-Dinitrotoluene	165	10.265	10.265	(0.988)	158597	25.0000	24.69
*	42 Acenaphthene-d10	164	10.393	10.393	(1.000)	404762	20.0000	
	43 3-Nitroaniline	138	10.446	10.446	(1.005)	165554	25.0000	24.12
	44 Acenaphthene	153	10.441	10.441	(1.005)	666076	25.0000	25.63
	45 2,4-Dinitrophenol	184	10.607	10.607	(1.021)	47147	25.0000	37.82
	46 Dibenzofuran	168	10.703	10.703	(1.030)	881552	25.0000	24.65
	47 4-Nitrophenol	109	10.879	10.879	(1.047)	90819	25.0000	20.33
	48 2,4-Dinitrotoluene	165	10.858	10.858	(1.045)	197762	25.0000	24.27
	50 Diethylphthalate	149	11.344	11.344	(1.091)	664234	25.0000	24.41
	49 Fluorene	166	11.237	11.237	(1.081)	733780	25.0000	25.29
	51 4-Chlorophenyl-phenylether	204	11.322	11.322	(1.089)	372580	25.0000	24.45
	52 4-Nitroaniline	138	11.419	11.419	(1.099)	130220	25.0000	21.61
	53 4,6-Dinitro-2-methylphenol	198	11.483	11.483	(0.906)	99063	25.0000	28.65
	54 N-Nitrosodiphenylamine	169	11.541	11.541	(0.910)	524013	25.0000	25.67
$	55 2,4,6-Tribromophenol	330	11.659	11.659	(1.122)	97335	25.0000	25.01
	56 4-Bromophenyl-phenylether	248	12.070	12.070	(0.952)	212857	25.0000	25.52
	57 Hexachlorobenzene	284	12.231	12.231	(0.965)	225057	25.0000	25.74
	58 Pentachlorophenol	266	12.562	12.562	(0.991)	129317	25.0000	27.16
*	59 Phenanthrene-d10	188	12.679	12.679	(1.000)	594244	20.0000	
	60 Phenanthrene	178	12.711	12.711	(1.003)	987398	25.0000	24.96
	61 Anthracene	178	12.781	12.781	(1.008)	989265	25.0000	24.91
	62 Carbazole	167	13.112	13.112	(1.034)	762465	25.0000	23.85
	63 Di-n-butylphthalate	149	13.940	13.940	(1.099)	963718	25.0000	25.17
	64 Fluoranthene	202	14.586	14.586	(1.150)	902471	25.0000	23.14
	65 Pyrene	202	14.912	14.912	(0.884)	948717	25.0000	27.68
$	66 Terphenyl-d14	244	15.329	15.329	(0.909)	583498	25.0000	27.08
	67 Butylbenzylphthalate	149	16.275	16.275	(0.965)	342631	25.0000	26.94
	68 Benzo(a)anthracene	228	16.846	16.846	(0.999)	775275	25.0000	25.23
*	69 Chrysene-d12	240	16.862	16.862	(1.000)	406863	20.0000	
	70 3,3'-Dichlorobenzidine	252	16.932	16.932	(1.004)	239012	25.0000	21.57
	71 Chrysene	228	16.900	16.900	(1.002)	737174	25.0000	24.14
	72 bis(2-Ethylhexyl)phthalate	149	17.316	17.316	(0.950)	442105	25.0000	28.30
*	134 Di-n-octylphthalate-d4	153	18.235	18.235	(1.000)	618730	20.0000	
	73 Di-n-octylphthalate	149	18.246	18.246	(1.001)	709059	25.0000	23.99

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	18.449	18.449	(0.974)	768192	25.0000	27.08
75	Benzo(k)fluoranthene	252	18.481	18.481	(0.975)	768755	25.0000	26.21
76	Benzo(a)pyrene	252	18.860	18.860	(0.995)	694139	25.0000	25.43
* 77	Perylene-d12	264	18.946	18.946	(1.000)	432016	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	20.270	20.270	(1.070)	715624	25.0000	21.55
79	Dibenzo(a,h)anthracene	278	20.319	20.319	(1.072)	748834	25.0000	22.95
80	Benzo(g,h,i)perylene	276	20.548	20.548	(1.085)	790632	25.0000	22.74
90	N-Nitrosodimethylamine	74	1.295	1.295	(0.233)	332091	25.0000	30.25
103	Pyridine	79	1.284	1.284	(0.231)	648098	25.0000	28.82
91	Aniline	93	5.136	5.136	(0.924)	712354	25.0000	26.61
105	1-methylnaphthalene	141	8.902	8.902	(1.151)	628137	25.0000	25.00
93	Benzidine	184	14.918	14.918	(0.885)	215923	25.0000	18.32
98	Retene	219	15.537	15.537	(0.921)	391782	25.0000	26.40
111	Azobenzene (1,2-DP-Hydrazine)	77	11.563	11.563	(1.113)	1069204	25.0000	27.00
144	alpha-Terpineol	59	7.738	7.738	(1.000)	367388	25.0000	27.48
143	1,4-Dioxane	88	Compound Not Detected.					
$ 137	d8-1,4-Dioxane	96	Compound Not Detected.					
133	Butylatedhydroxytoluene	205	10.687	10.687	(1.028)	545774	25.0000	23.82
115	Tributyl Phosphate	99	11.771	11.771	(0.928)	799902	25.0000	26.80
116	Dibutyl Phenyl Phosphate	175	13.406	13.406	(1.057)	561829	25.0000	24.20
117	Butyl Diphenyl Phosphate	94	15.014	15.014	(0.890)	163910	25.0000	27.99
118	Triphenyl Phosphate	326	16.552	16.552	(0.982)	114673	25.0000	23.62

QC Flag Legend

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

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: cc0801.d
Lab Smp Id: ABN 25
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060801.b/SW846.m
Misc Info:

Calibration Date: 01-AUG-2006
Calibration Time: 11:57

Level:
Sample Type:

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	203506	101753	407012	203506	0.00
27 Naphthalene-d8	730969	365484	1461938	730969	0.00
42 Acenaphthene-d10	404762	202381	809524	404762	0.00
59 Phenanthrene-d10	594244	297122	1188488	594244	0.00
69 Chrysene-d12	406863	203432	813726	406863	0.00
134 Di-n-octylphthala	618730	309365	1237460	618730	0.00
77 Perylene-d12	432016	216008	864032	432016	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.56	5.06	6.06	5.56	0.00
27 Naphthalene-d8	7.60	7.10	8.10	7.60	0.00
42 Acenaphthene-d10	10.39	9.89	10.89	10.39	0.00
59 Phenanthrene-d10	12.68	12.18	13.18	12.68	0.00
69 Chrysene-d12	16.86	16.36	17.36	16.86	0.00
134 Di-n-octylphthala	18.24	17.74	18.74	18.24	0.00
77 Perylene-d12	18.95	18.45	19.45	18.95	0.00

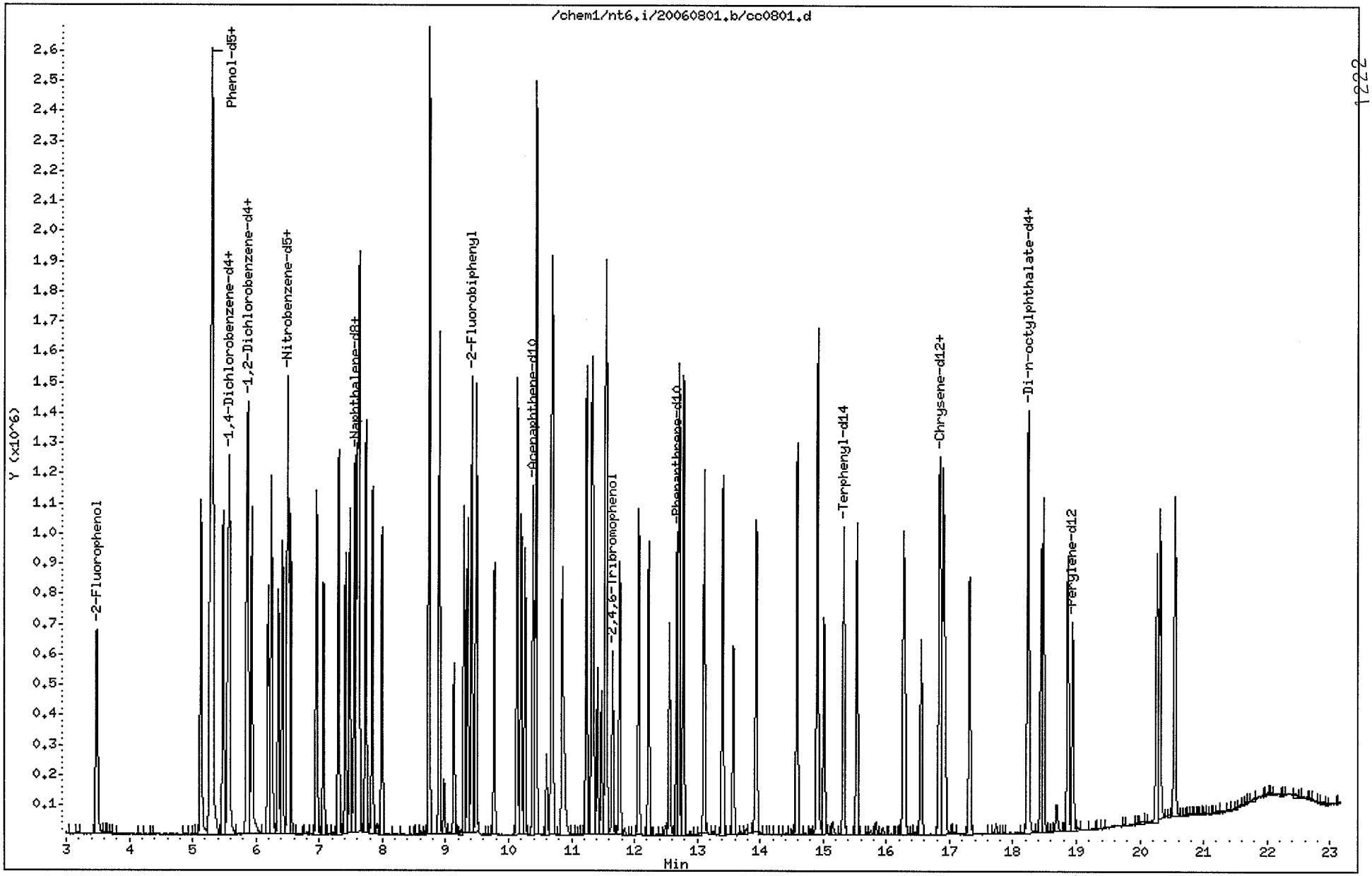
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060801.b/cc0801.d
Date : 01-AUG-2006 11:57
Client ID:
Sample Info: ABN 25

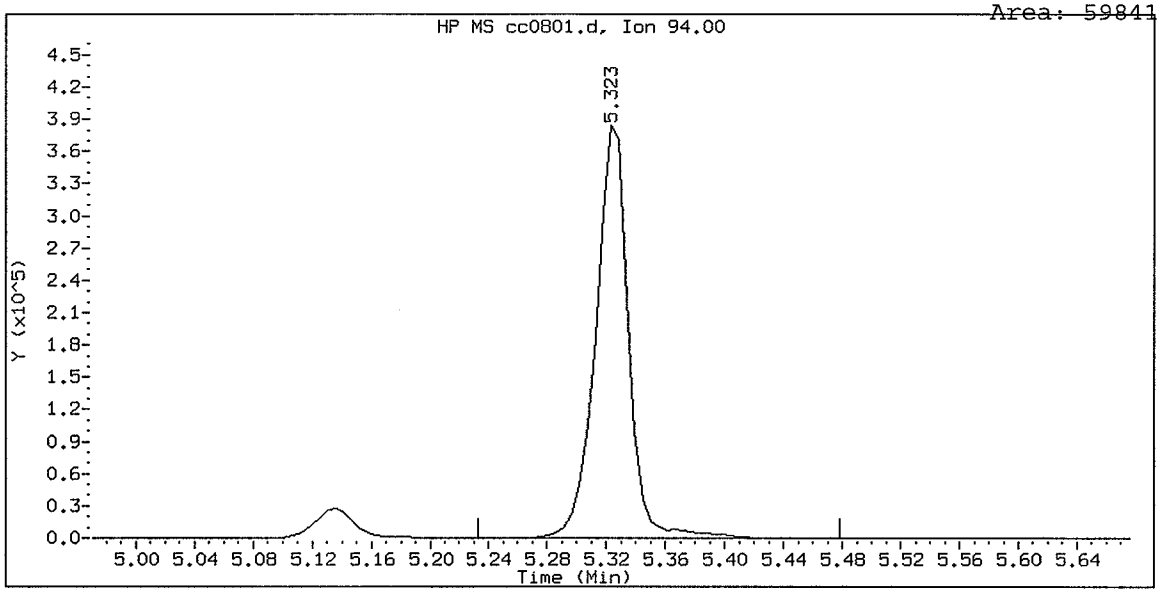
Instrument: nt6.i

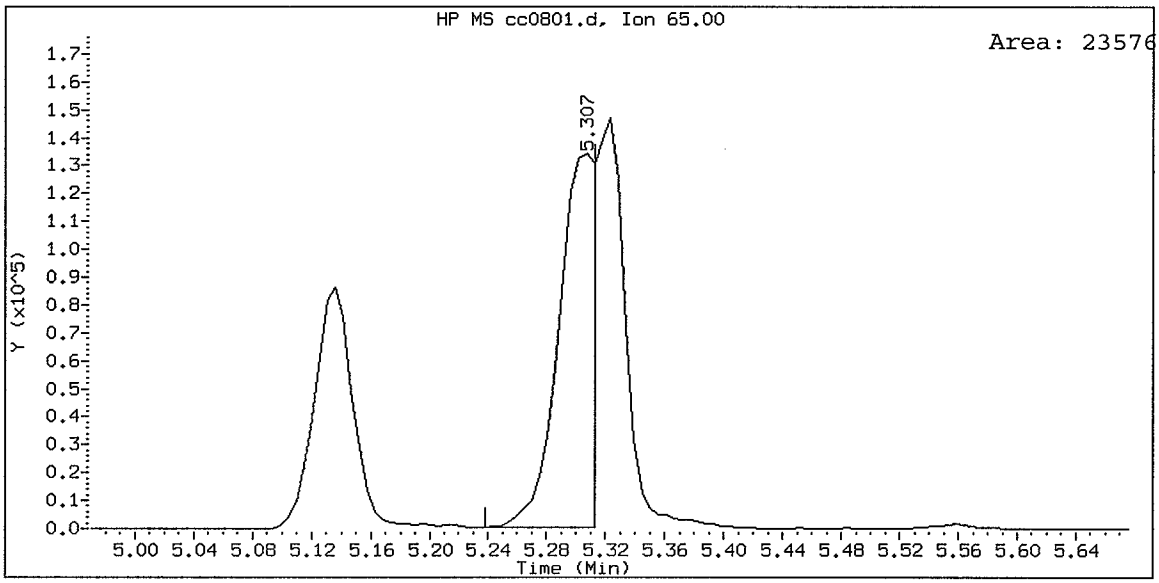
Operator: LJR
Column diameter: 0.32

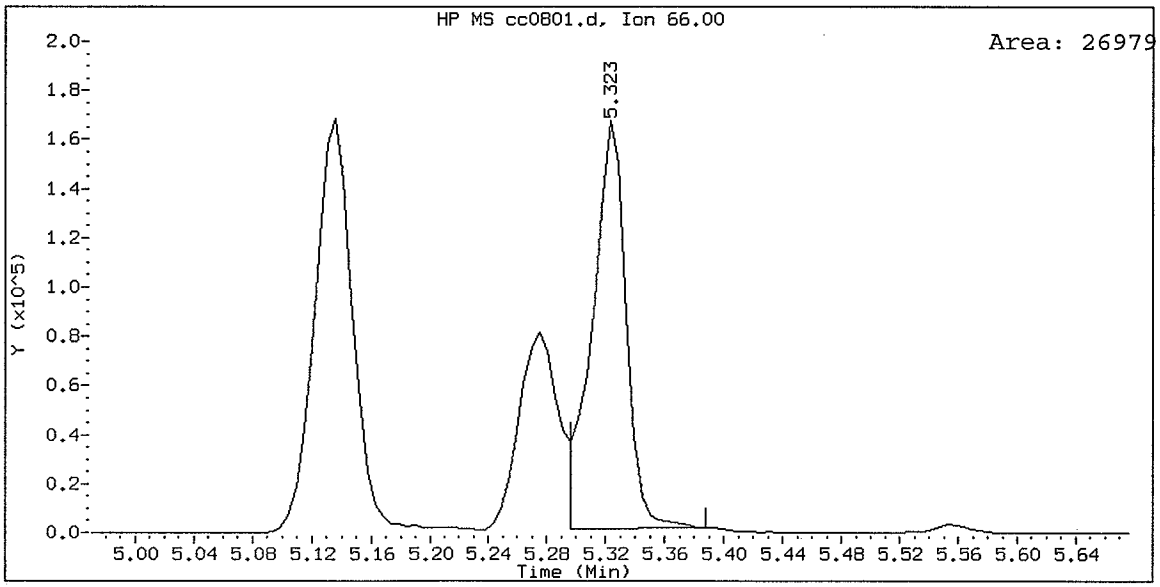
Column phase: ZB-5



ABN 25, /chem1/nt6.i/20060801.b/cc0801.d
Phenol Amount: 26.39







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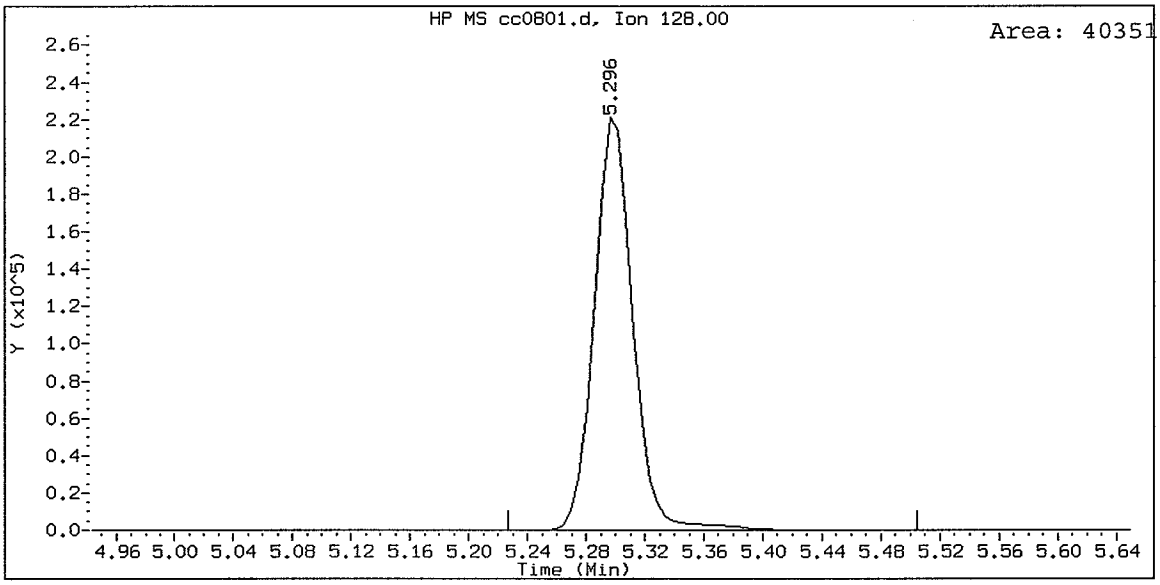
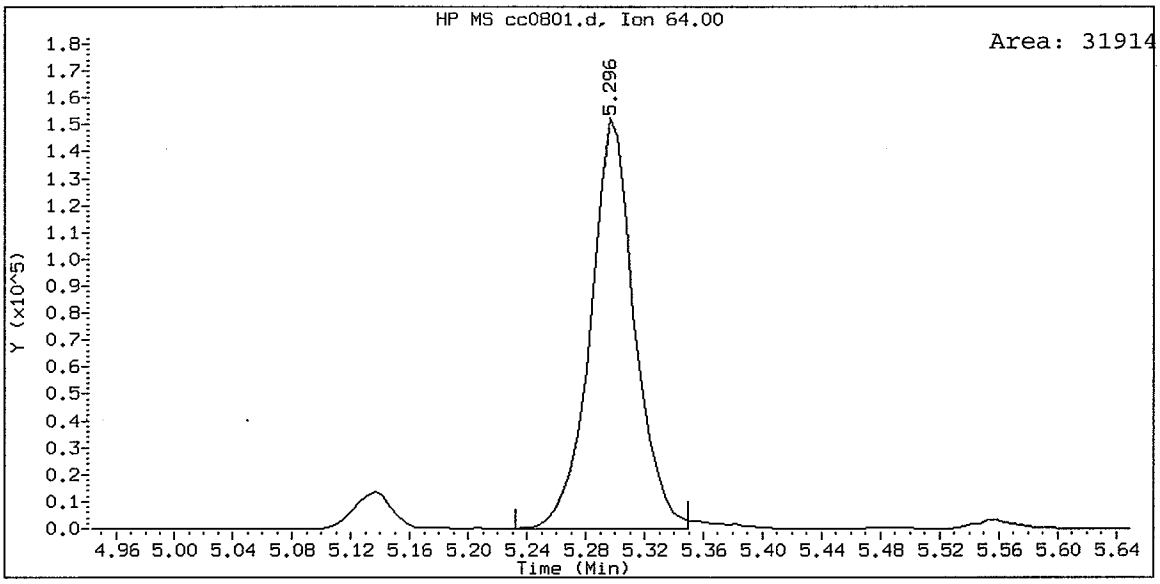
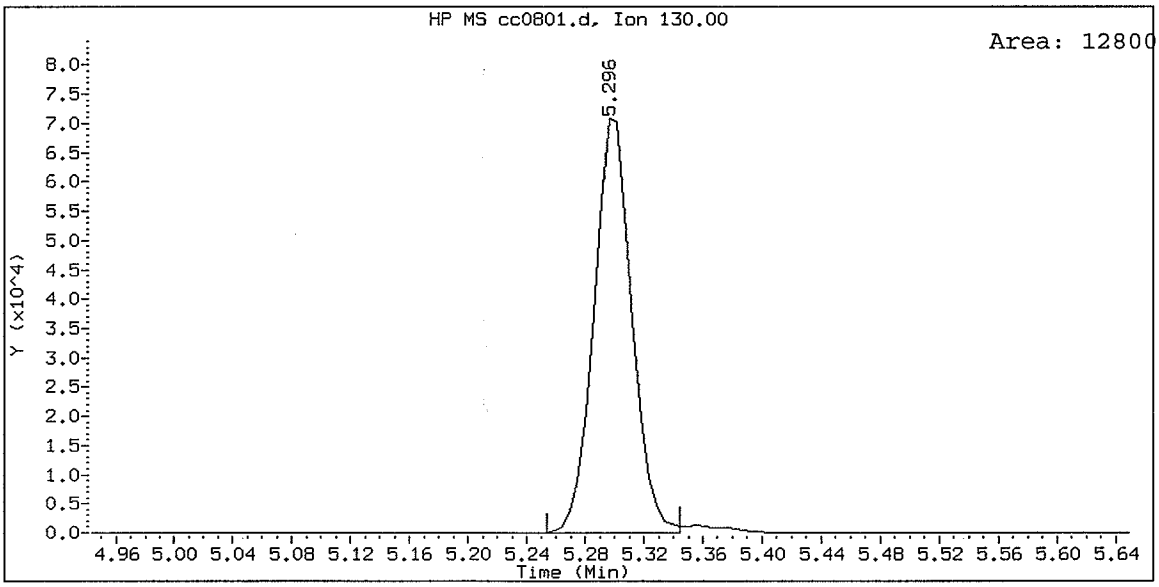
2-Chlorophenol Amount: 25.87







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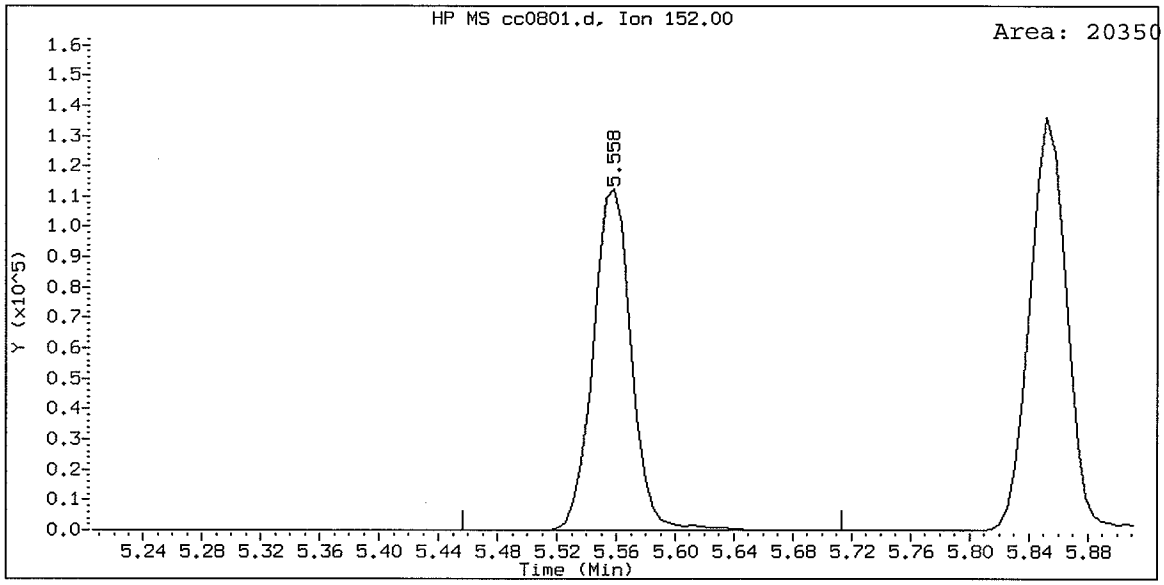
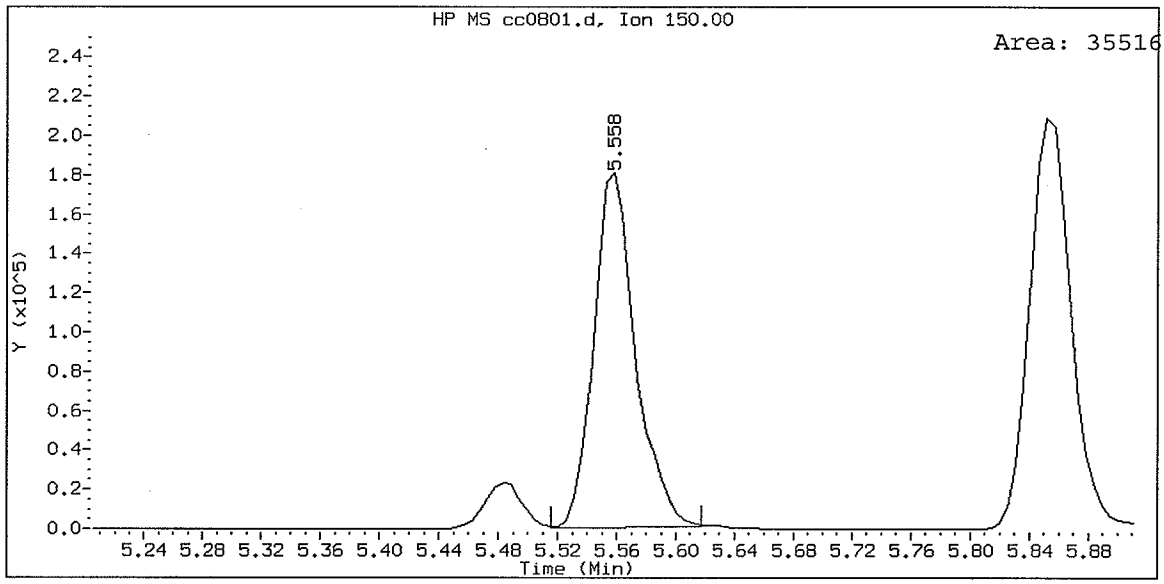
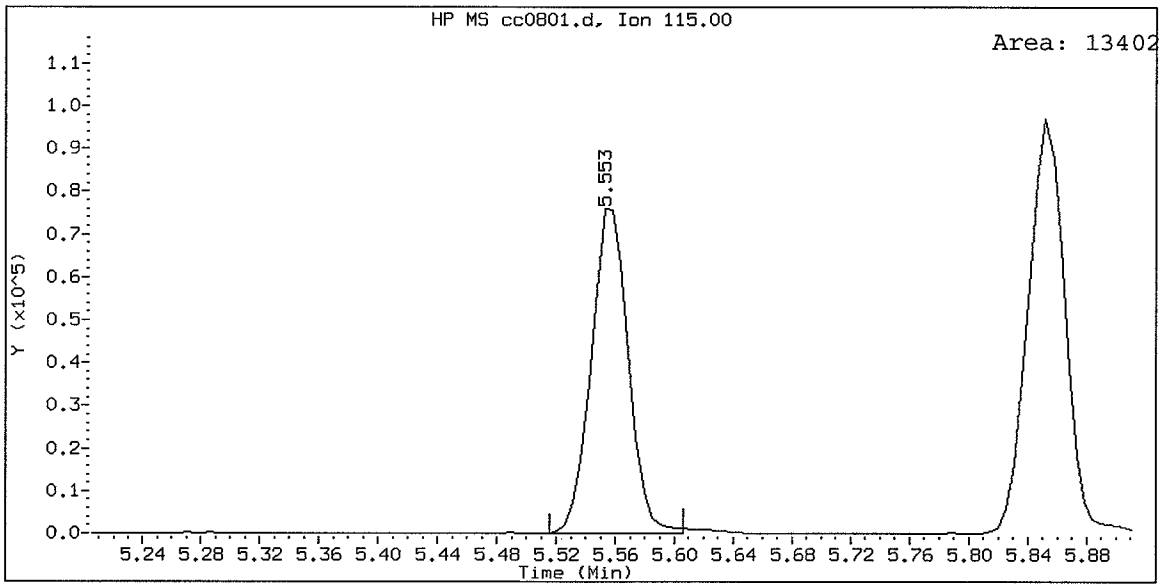
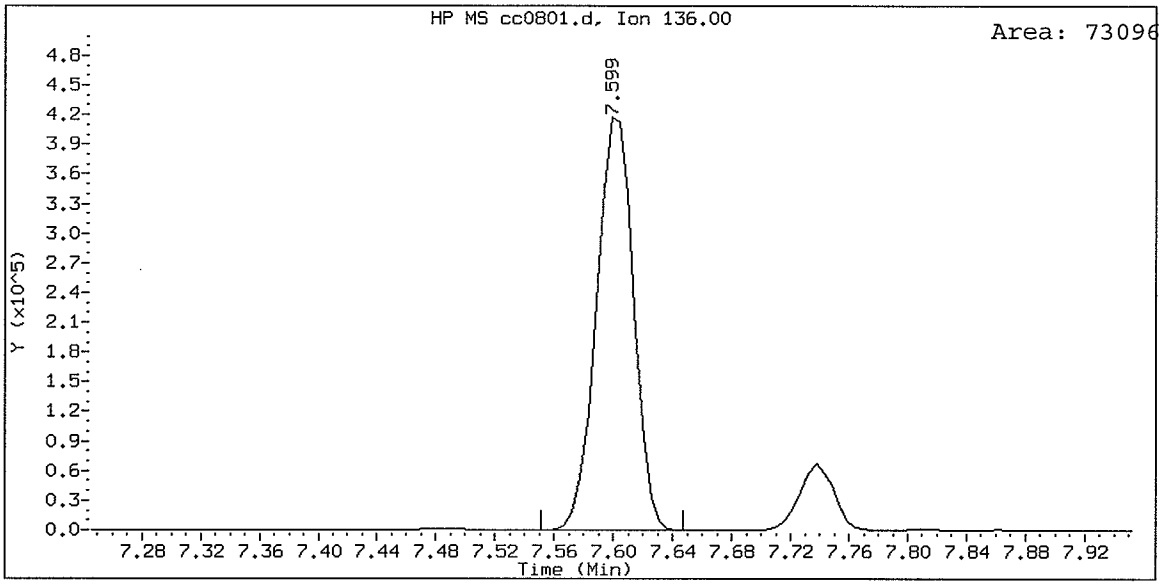
1,4-Dichlorobenzene-d4 Amount: 20.00

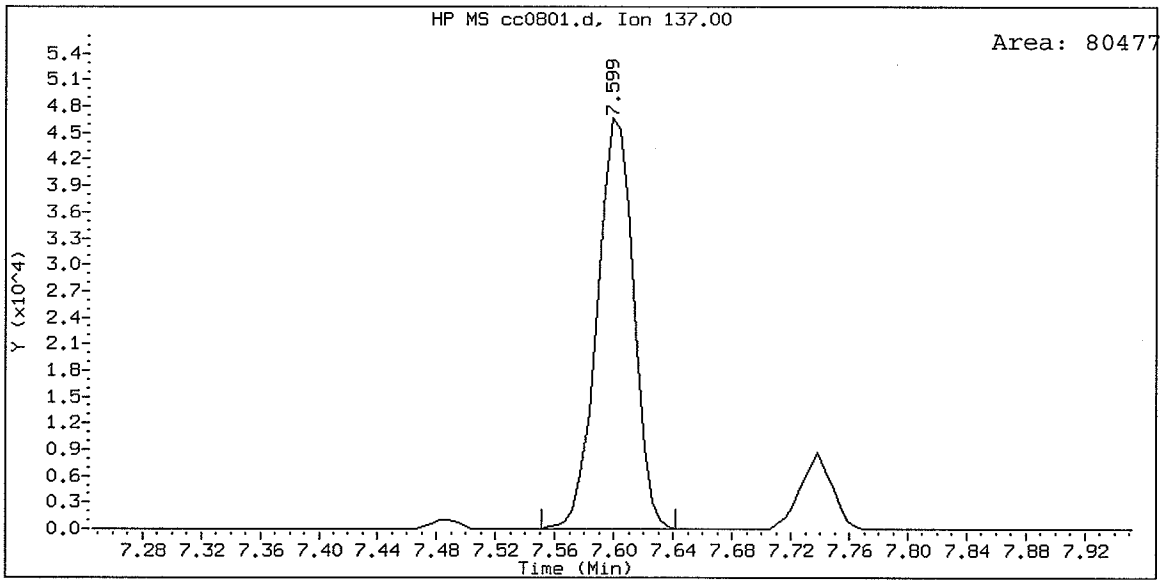


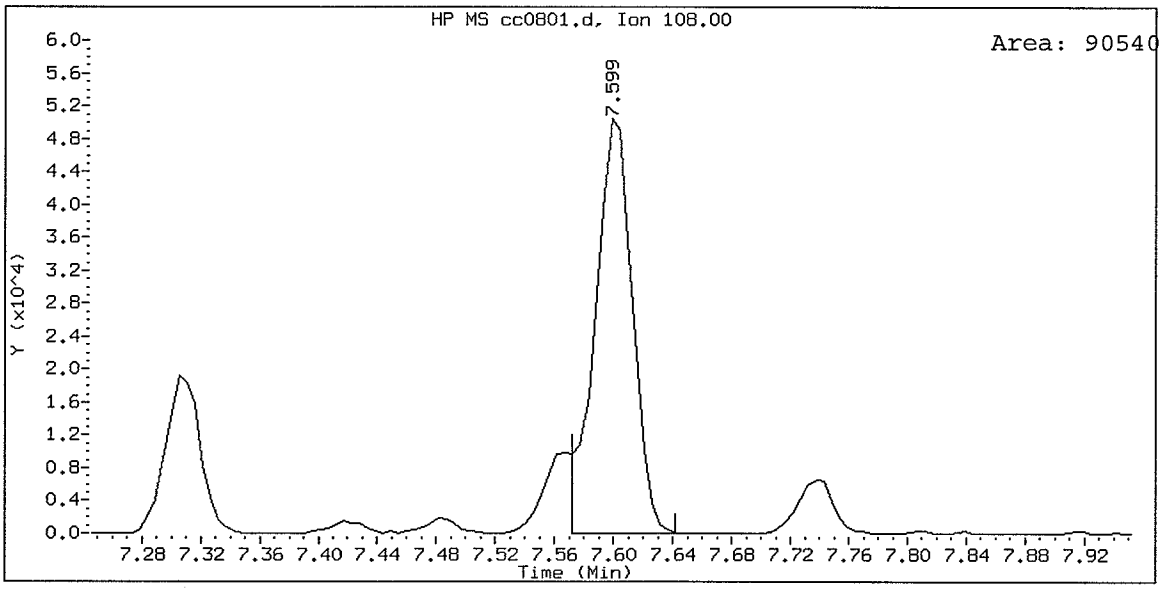




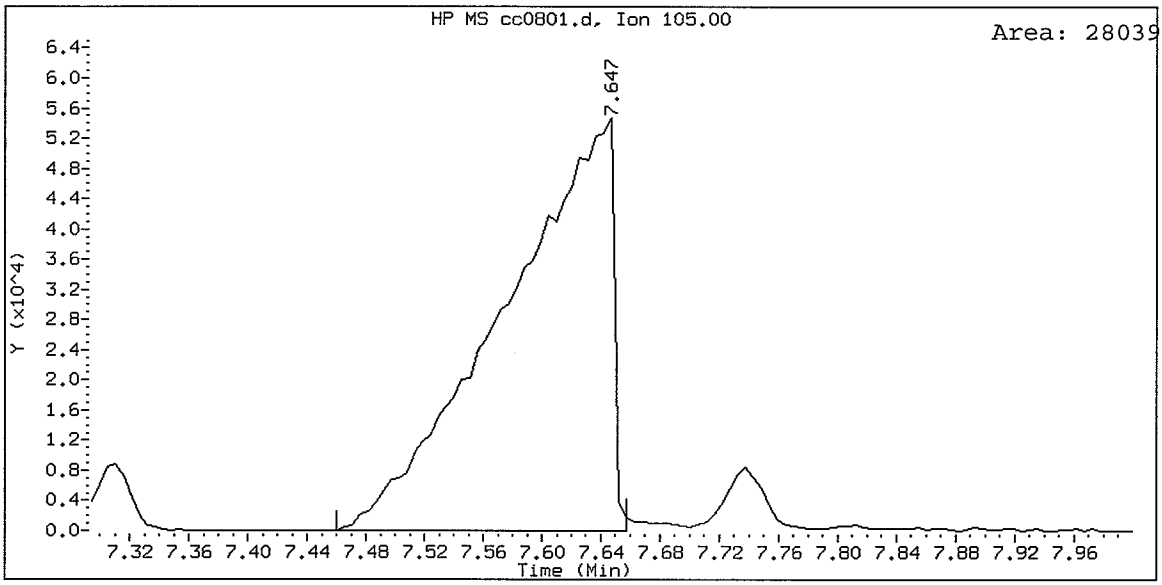
ABN 25, /chem1/nt6.i/20060801.b/cc0801.d
Naphthalene-d8 Amount: 20.00

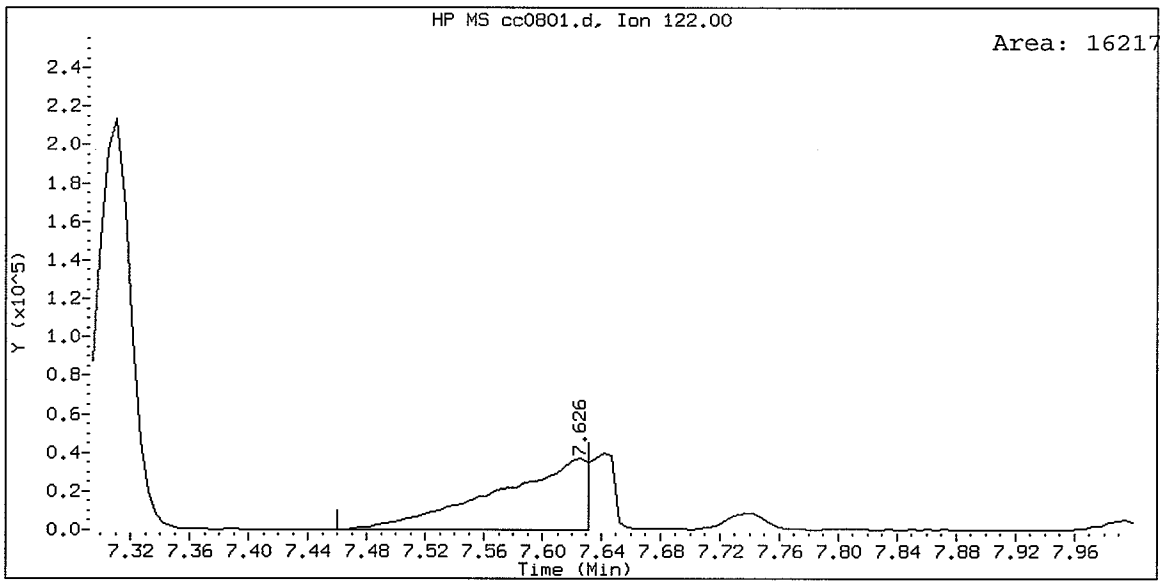


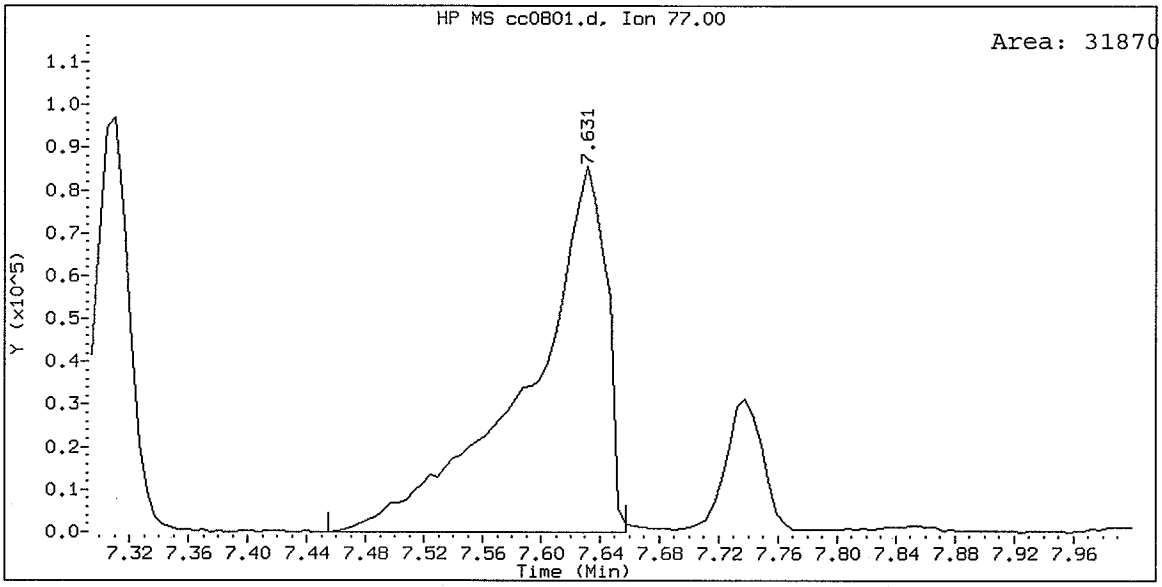




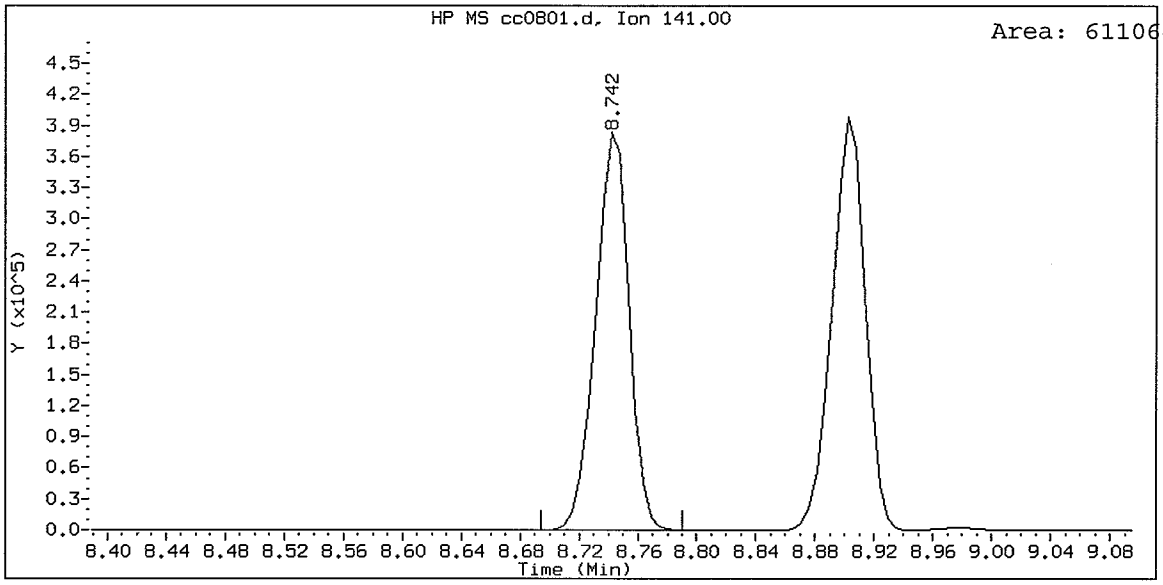
ABN 25, /chem1/nt6.i/20060801.b/cc0801.d
Benzoic acid Amount: 31.87

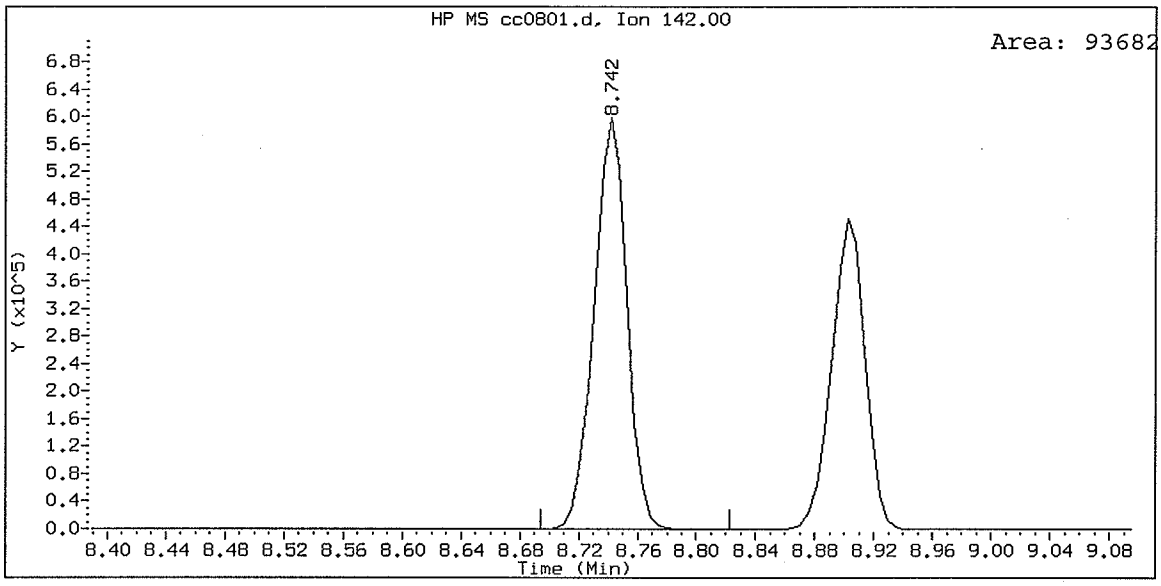






ABN 25, /chem1/nt6.i/20060801.b/cc0801.d
2-Methylnaphthalene Amount: 25.42





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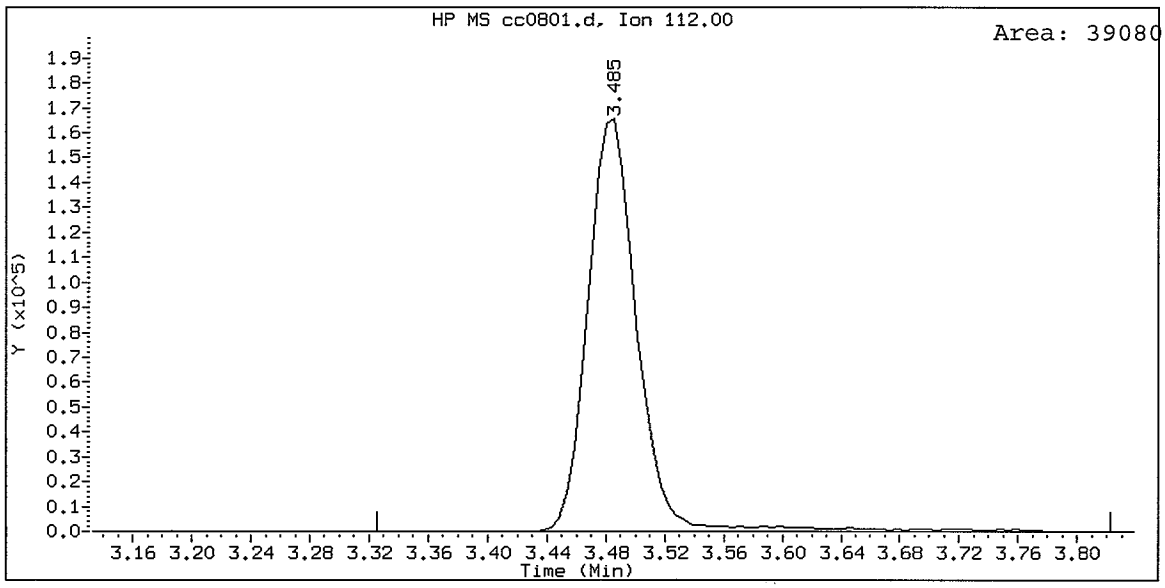
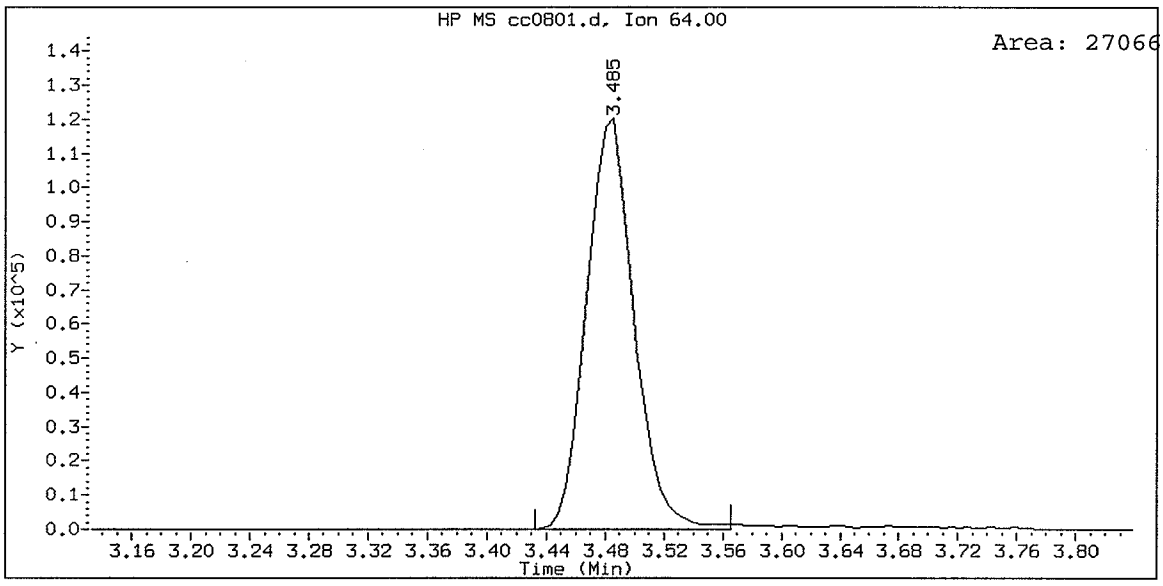
2-Fluorophenol Amount: 26.02





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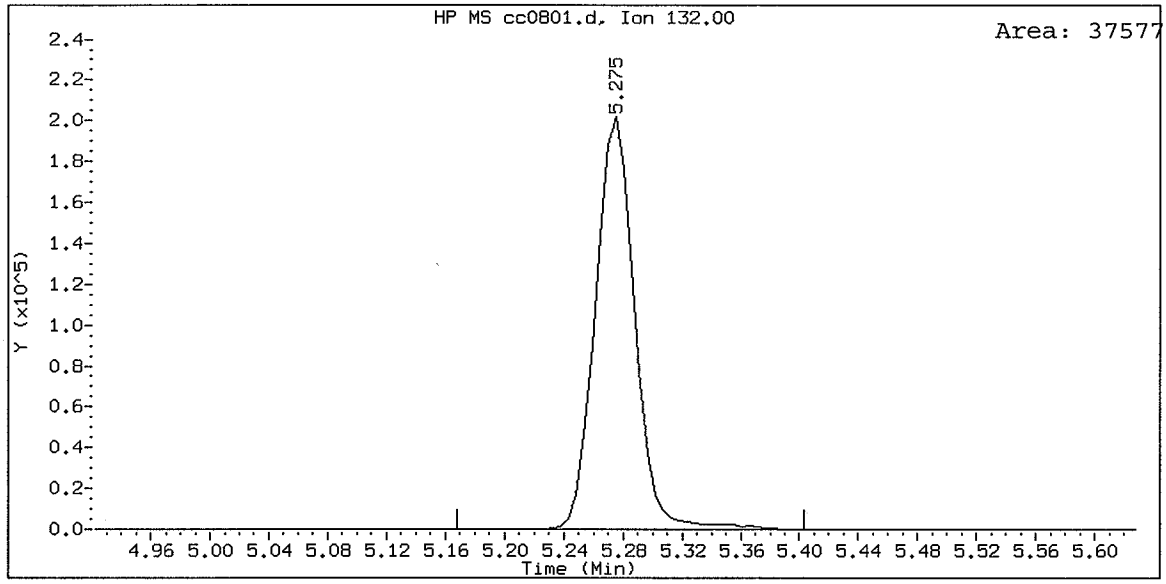
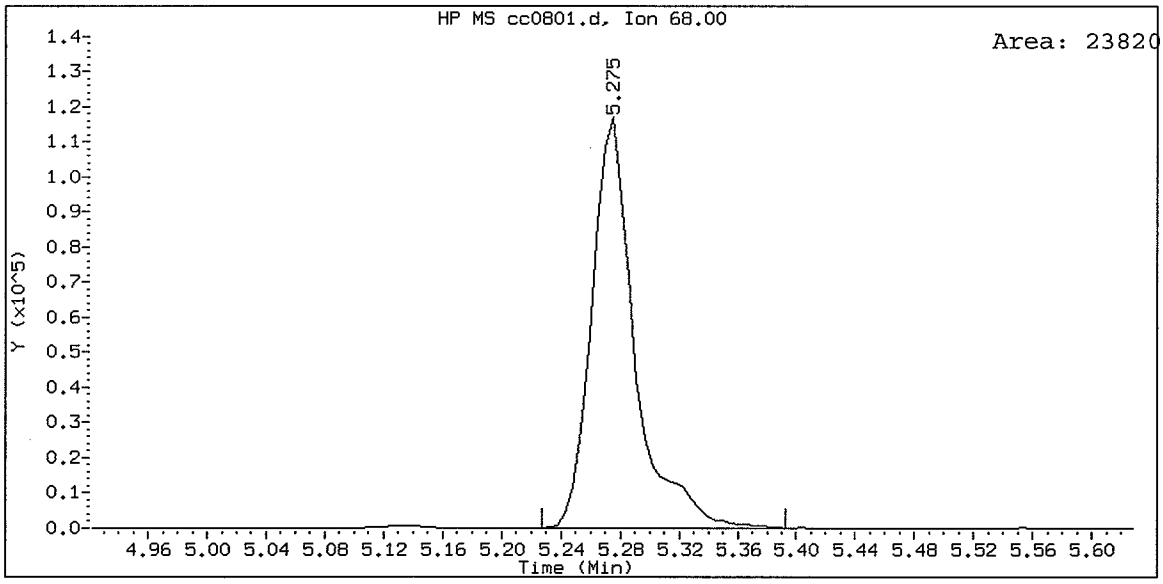
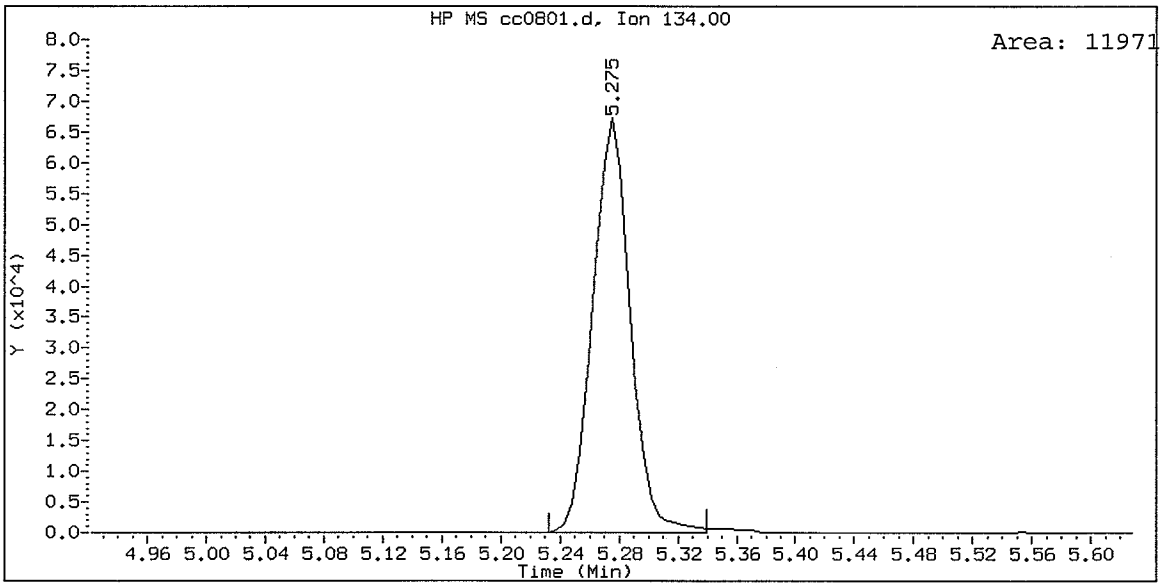
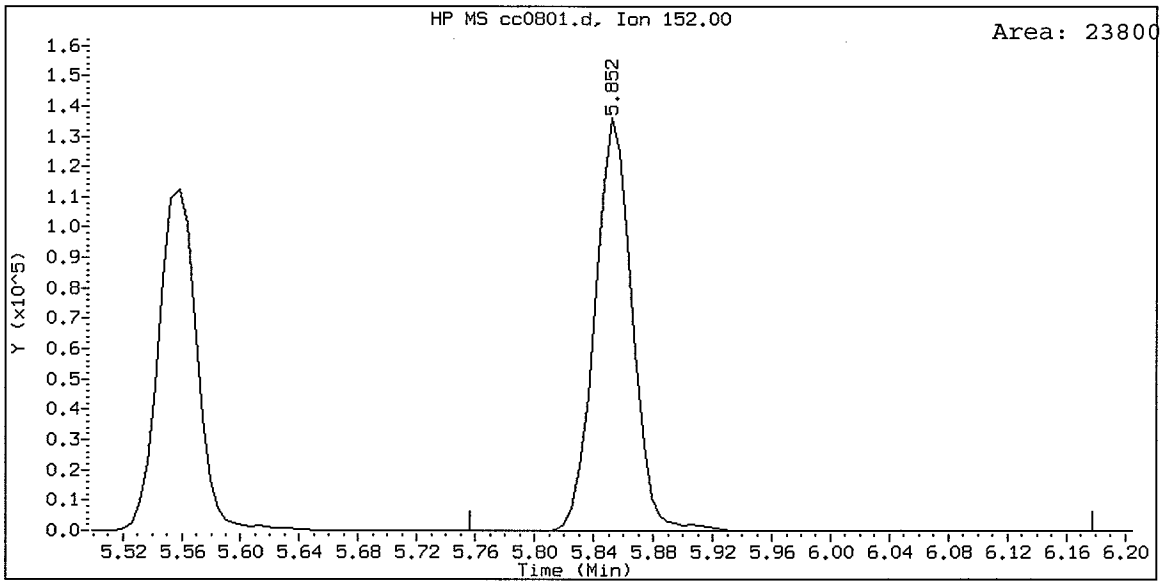
2-Chlorophenol-d4 Amount: 24.36

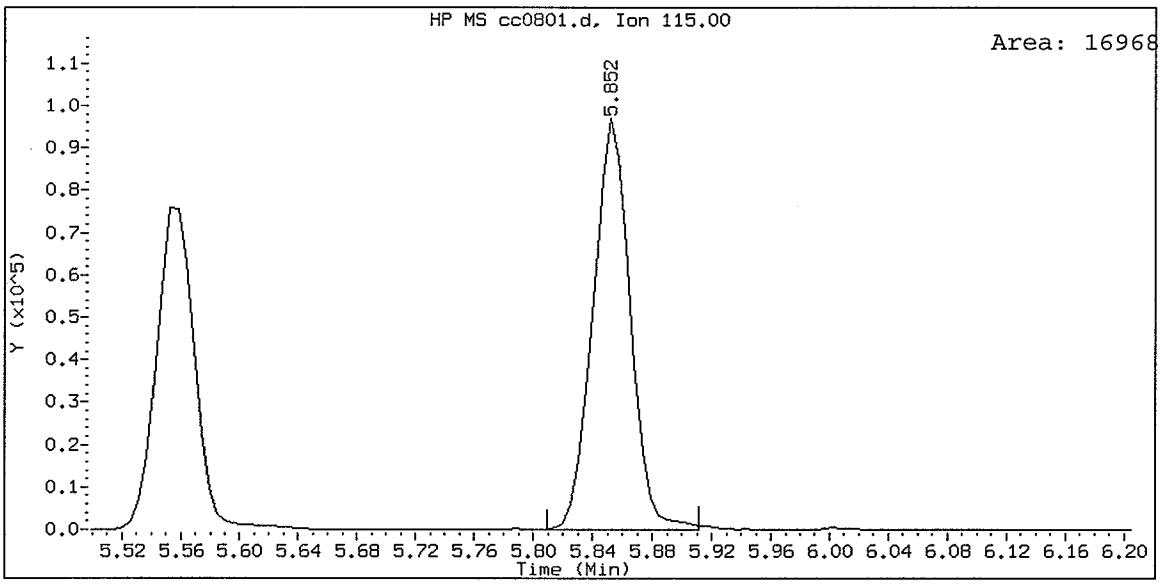


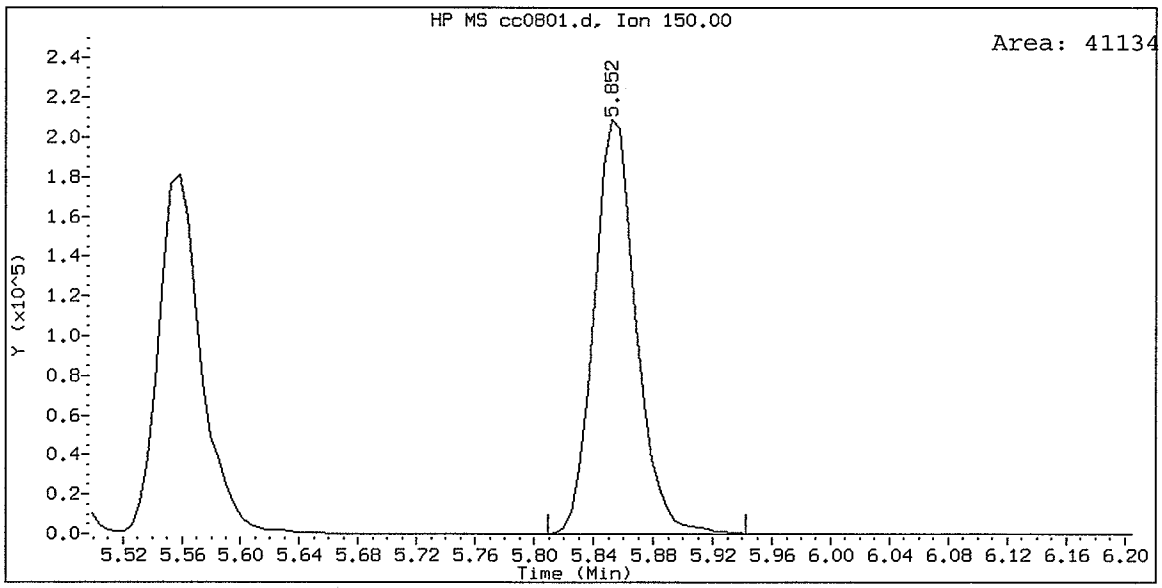




ABN 25, /chem1/nt6.i/20060801.b/cc0801.d
1,2-Dichlorobenzene-d4 Amount: 23.93







Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem1/nt6.i/20060801.b/ddt.b/cc0801.d ARI ID:
Method: /chem1/nt6.i/20060801.b/ddt.b/sw846ddt.m Misc:
Analysis Date: 01-AUG-2006 11:57 Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	12.562	129317
Benzidine	14.918	214532
4,4'-DDE	----	----
4,4'-DDD	15.842	18192
4,4'-DDT	16.296	207461

LJR
8/1/06

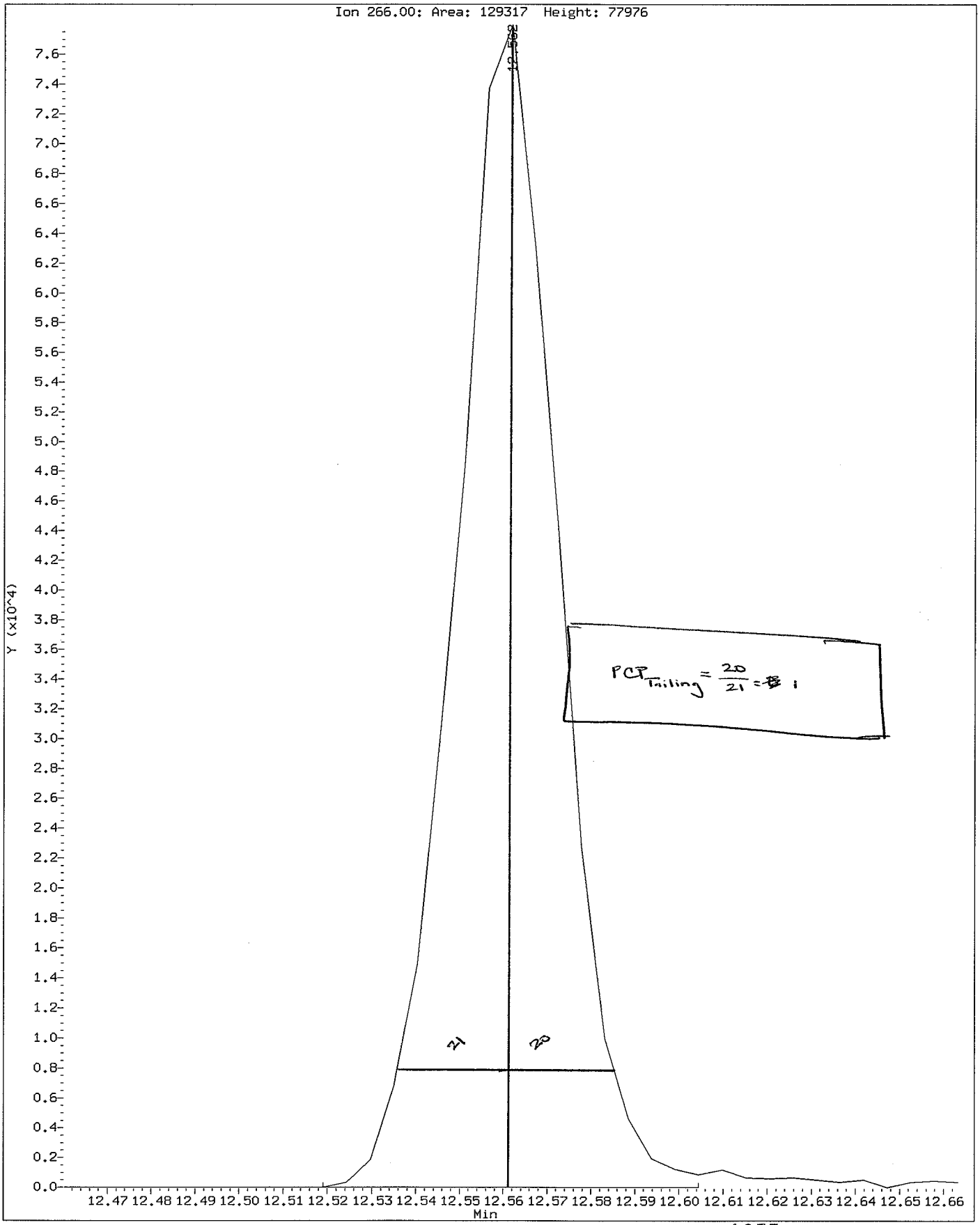
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 18192) * 100}{(0 + 18192 + 207461)}$$

DDT Percent Breakdown = 8.1 %

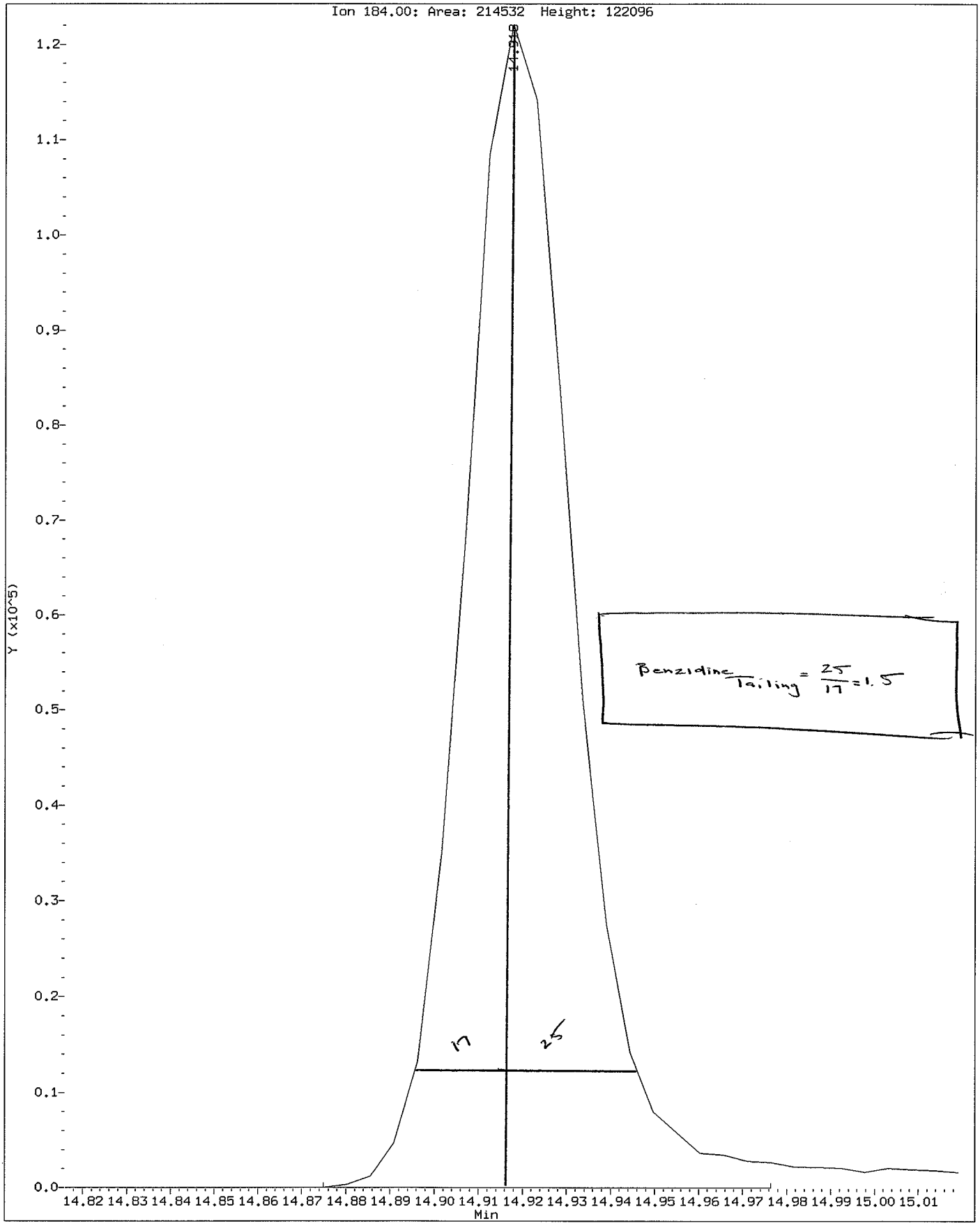
Data File: /chem1/nt6.i/20060801.b/ddt.b/cc0801.d
Injection Date: 01-AUG-2006 11:57
Instrument: nt6.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem1/nt6.i/20060801.b/ddt.b/cc0801.d
Injection Date: 01-AUG-2006 11:57
Instrument: nt6.i
Client Sample ID:

Compound: Benzidine
CAS Number:



7B

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Instrument ID: NT6 Cont. Calib. Date: 08/03/06

Init. Calib. Date: 07/05/06 Cont. Calib. Time: 0718

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
Phenol	2.228	1.903	0.100	14.6	20.0
Bis(2-Chloroethyl)ether	1.658	1.450	0.100	12.5	
2-Chlorophenol	1.533	1.424	0.100	7.1	
1,3-Dichlorobenzene	1.667	1.538	0.100	7.7	
1,4-Dichlorobenzene	1.712	1.659	0.100	3.1	20.0
1,2-Dichlorobenzene	1.646	1.544	0.100	6.2	
Benzyl alcohol	1.062	0.832	0.100	21.6	
2,2'-oxybis(1-Chloropropane)	2.030	1.701	0.100	16.2	
2-Methylphenol	1.466	1.251	0.100	14.7	
Hexachloroethane	0.725	0.672	0.100	7.3	
N-Nitroso-di-n-propylamine	1.403	1.082	0.050	22.9	
4-Methylphenol	1.512	1.359	0.100	10.1	
Nitrobenzene	0.594	0.501	0.100	15.6	
Isophorone	0.932	0.762	0.100	18.2	
2-Nitrophenol	0.219	0.197	0.100	10.0	20.0
2,4-Dimethylphenol	0.456	0.389	0.100	14.7	
Bis(2-Chloroethoxy)methane	0.519	0.426	0.100	17.9	
2,4-Dichlorophenol	0.333	0.323	0.100	3.0	20.0
1,2,4-Trichlorobenzene	0.384	0.395	0.100	-2.9	
Naphthalene	1.216	1.153	0.100	5.2	
Benzoic acid	0.241	0.274	0.100	-13.7	
4-Chloroaniline	0.490	0.431	0.100	12.0	
Hexachlorobutadiene	0.241	0.268	0.100	-11.2	20.0
4-Chloro-3-methylphenol	0.376	0.358	0.100	4.8	20.0
2-Methylnaphthalene	0.658	0.695	0.100	-5.6	
Hexachlorocyclopentadiene	0.267	0.409	0.050	-53.2	
2,4,6-Trichlorophenol	0.446	0.458	0.100	-2.7	20.0
2,4,5-Trichlorophenol	0.463	0.482	0.100	-4.1	
2-Chloronaphthalene	1.312	1.266	0.100	3.5	
2-Nitroaniline	0.535	0.428	0.100	20.0	
Acenaphthylene	2.028	1.874	0.100	7.6	
Dimethylphthalate	1.392	1.336	0.100	4.0	
2,6-Dinitrotoluene	0.317	0.297	0.100	6.3	
Acenaphthene	1.284	1.278	0.100	0.5	20.0
3-Nitroaniline	0.339	0.314	0.100	7.4	
2,4-Dinitrophenol	0.061	0.158	0.050	-99.9	
Dibenzofuran	1.767	1.866	0.100	-5.6	

<- Outside QC limits

FORM VII SV-1

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Instrument ID: NT6 Cont. Calib. Date: 08/03/06

Init. Calib. Date: 07/05/06 Cont. Calib. Time: 0718

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
4-Nitrophenol	0.221	0.205	0.050	7.2	
2,4-Dinitrotoluene	0.403	0.390	0.100	3.2	
Fluorene	1.433	1.436	0.100	-0.2	
4-Chlorophenyl-phenylether	0.753	0.806	0.100	-7.0	
Diethylphthalate	1.345	1.319	0.100	1.9	
4-Nitroaniline	0.298	0.251	0.100	15.8	
4,6-Dinitro-2-methylphenol	0.116	0.159	0.100	-37.1	
N-Nitrosodiphenylamine(1)	0.687	0.691	0.100	-0.6	
4-Bromophenyl-phenylether	0.281	0.296	0.100	-5.3	
Hexachlorobenzene	0.294	0.329	0.100	-11.9	
Pentachlorophenol	0.160	0.172	0.100	-7.5	20.0
Phenanthrene	1.331	1.278	0.100	4.0	
Anthracene	1.337	1.256	0.100	6.0	
Carbazole	1.076	1.032	0.100	4.1	
Di-n-butylphthalate	1.289	1.202	0.100	6.7	
Fluoranthene	1.312	1.344	0.100	-2.4	20.0
Pyrene	1.684	1.552	0.100	7.8	
Butylbenzylphthalate	0.625	0.534	0.100	14.6	
Benzo(a)anthracene	1.510	1.450	0.100	4.0	
3,3'-Dichlorobenzidine	0.545	0.484	0.100	11.2	
Chrysene	1.501	1.412	0.100	5.9	
bis(2-Ethylhexyl)phthalate	0.505	0.499	0.100	1.2	
Di-n-octylphthalate	0.955	0.912	0.100	4.5	20.0
Benzo(b)fluoranthene	1.313	1.296	0.100	1.3	
Benzo(k)fluoranthene	1.358	1.648	0.100	-21.4	
Benzo(a)pyrene	1.264	1.231	0.100	2.6	20.0
Indeno(1,2,3-cd)pyrene	1.538	1.364	0.100	11.3	
Dibenzo(a,h)anthracene	1.510	1.422	0.100	5.8	
Benzo(g,h,i)perylene	1.610	1.481	0.100	8.0	
N-Nitrosodimethylamine	1.079	1.068	0.100	1.0	
Aniline	2.630	1.821	0.100	30.8	
Benzidine	0.579	0.123	0.100	78.8	
Pyridine	2.210	2.114	0.100	4.3	
1-methylnaphthalene	0.687	0.661	0.100	3.8	
Azobenzene (1,2-DP-Hydrazine	1.957	1.836	0.100	6.2	

(1) Cannot be separated from Diphenylamine

<- Outside QC limits

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Instrument ID: NT6 Cont. Calib. Date: 08/03/06

Init. Calib. Date: 07/05/06 Cont. Calib. Time: 0718

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
2-Fluorophenol	1.476	1.200	0.100	18.7	
Phenol-d5	1.788	1.717	0.100	4.0	
2-Chlorophenol-d4	1.516	1.350	0.100	10.9	
1,2-Dichlorobenzene-d4	0.977	0.901	0.100	7.8	
Nitrobenzene-d5	0.541	0.445	0.100	17.7	
2-Fluorobiphenyl	1.493	1.466	0.100	1.8	
2,4,6-Tribromophenol	0.192	0.228	0.100	-18.8	
Terphenyl-d14	1.059	1.009	0.100	4.7	

<- Outside QC limits

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i Injection Date: 03-AUG-2006 07:18
Lab File ID: cc0803.d Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Analysis Type: Init. Cal. Times: 10:16 17:54
Lab Sample ID: CC0803 Quant Type: ISTD
Method: /chem1/nt6.i/20060803.b/SW846.m

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	1.47580	1.19969	1.19969	0.010	18.70937	100	Averaged
$ 2 Phenol-d5	1.78819	1.71731	1.71731	0.010	3.96372	100	Averaged
3 Phenol	2.22821	1.90340	1.90340	0.010	14.57716	20.00000	Averaged
$ 5 2-Chlorophenol-d4	1.51624	1.34987	1.34987	0.010	10.97235	100	Averaged
4 Bis(2-Chloroethyl)ether	1.65790	1.45044	1.45044	0.010	12.51370	100	Averaged
6 2-Chlorophenol	1.53316	1.42416	1.42416	0.010	7.10986	100	Averaged
7 1,3-Dichlorobenzene	1.66660	1.53765	1.53765	0.010	7.73741	100	Averaged
9 1,4-Dichlorobenzene	1.71261	1.65913	1.65913	0.010	3.12257	20.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.97741	0.90112	0.90112	0.010	7.80530	100	Averaged
12 1,2-Dichlorobenzene	1.64652	1.54419	1.54419	0.010	6.21442	100	Averaged
11 Benzyl alcohol	1.06159	0.83258	0.83258	0.010	21.57270	100	Averaged
14 2,2'-oxybis(1-Chloropropane	2.03046	1.70097	1.70097	0.010	16.22707	100	Averaged
13 2-Methylphenol	1.46609	1.25083	1.25083	0.010	14.68247	100	Averaged
17 Hexachloroethane	0.72499	0.67179	0.67179	0.010	7.33848	100	Averaged
16 N-Nitroso-di-n-propylamine	1.40318	1.08254	1.08254	0.050	22.85112	100	Averaged
15 4-Methylphenol	1.51200	1.35943	1.35943	0.010	10.09088	100	Averaged
$ 18 Nitrobenzene-d5	0.54142	0.44527	0.44527	0.010	17.75905	100	Averaged
19 Nitrobenzene	0.59443	0.50140	0.50140	0.010	15.65006	100	Averaged
20 Isophorone	0.93231	0.76184	0.76184	0.010	18.28467	100	Averaged
21 2-Nitrophenol	0.21868	0.19660	0.19660	0.010	10.09451	20.00000	Averaged
22 2,4-Dimethylphenol	0.45615	0.38925	0.38925	0.010	14.66529	100	Averaged
23 Bis(2-Chloroethoxy)methane	0.51940	0.42629	0.42629	0.010	17.92516	100	Averaged
24 Benzoic acid	0.24076	0.27421	0.27421	0.010	-13.89427	100	Averaged
25 2,4-Dichlorophenol	0.33308	0.32310	0.32310	0.010	2.99642	20.00000	Averaged
26 1,2,4-Trichlorobenzene	0.38416	0.39486	0.39486	0.010	-2.78695	100	Averaged
28 Naphthalene	1.21584	1.15326	1.15326	0.010	5.14707	100	Averaged
29 4-Chloroaniline	0.49036	0.43137	0.43137	0.010	12.02897	100	Averaged
30 Hexachlorobutadiene	0.24135	0.26838	0.26838	0.010	-11.19763	20.00000	Averaged
31 4-Chloro-3-methylphenol	0.37629	0.35793	0.35793	0.010	4.87983	20.00000	Averaged
32 2-Methylnaphthalene	0.65760	0.69542	0.69542	0.010	-5.75255	100	Averaged
33 Hexachlorocyclopentadiene	0.26698	0.40879	0.40879	0.050	-53.11700	100	Averaged
34 2,4,6-Trichlorophenol	0.44546	0.45760	0.45760	0.010	-2.72605	20.00000	Averaged
35 2,4,5-Trichlorophenol	0.46295	0.48154	0.48154	0.010	-4.01615	100	Averaged
$ 36 2-Fluorobiphenyl	1.49334	1.46619	1.46619	0.010	1.81781	100	Averaged
37 2-Chloronaphthalene	1.31189	1.26633	1.26633	0.010	3.47296	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i Injection Date: 03-AUG-2006 07:18
Lab File ID: cc0803.d Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Analysis Type: Init. Cal. Times: 10:16 17:54
Lab Sample ID: CC0803 Quant Type: ISTD
Method: /chem1/nt6.i/20060803.b/SW846.m

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2-Nitroaniline	0.53527	0.42844	0.42844	0.010	19.95756	100	Averaged	
39 Dimethylphthalate	1.39220	1.33558	1.33558	0.010	4.06656	100	Averaged	
40 Acenaphthylene	2.02846	1.87352	1.87352	0.010	7.63832	100	Averaged	
41 2,6-Dinitrotoluene	0.31738	0.29740	0.29740	0.010	6.29739	100	Averaged	
43 3-Nitroaniline	0.33922	0.31393	0.31393	0.010	7.45567	100	Averaged	
44 Acenaphthene	1.28428	1.27756	1.27756	0.010	0.52389	20.00000	Averaged	
45 2,4-Dinitrophenol	0.06160	0.15817	0.15817	0.050	-157	100	Averaged	<-
46 Dibenzofuran	1.76701	1.86642	1.86642	0.010	-5.62616	100	Averaged	
47 4-Nitrophenol	0.22074	0.20522	0.20522	0.050	7.03447	100	Averaged	
48 2,4-Dinitrotoluene	0.40267	0.39040	0.39040	0.010	3.04676	100	Averaged	
50 Diethylphthalate	1.34468	1.31889	1.31889	0.010	1.91832	100	Averaged	
49 Fluorene	1.43339	1.43591	1.43591	0.010	-0.17580	100	Averaged	
51 4-Chlorophenyl-phenylether	0.75298	0.80657	0.80657	0.010	-7.11766	100	Averaged	
52 4-Nitroaniline	0.29776	0.25124	0.25124	0.010	15.62535	100	Averaged	
53 4,6-Dinitro-2-methylphenol	0.11636	0.15911	0.15911	0.010	-36.73927	100	Averaged	
54 N-Nitrosodiphenylamine	0.68692	0.69140	0.69140	0.010	-0.65221	20.00000	Averaged	
$ 55 2,4,6-Tribromophenol	0.19232	0.22843	0.22843	0.010	-18.77733	100	Averaged	
56 4-Bromophenyl-phenylether	0.28074	0.29618	0.29618	0.010	-5.50234	100	Averaged	
57 Hexachlorobenzene	0.29422	0.32879	0.32879	0.010	-11.75080	100	Averaged	
58 Pentachlorophenol	0.16025	0.17166	0.17166	0.010	-7.12173	20.00000	Averaged	
60 Phenanthrene	1.33142	1.27789	1.27789	0.010	4.02100	100	Averaged	
61 Anthracene	1.33663	1.25554	1.25554	0.010	6.06688	100	Averaged	
62 Carbazole	1.07599	1.03188	1.03188	0.010	4.09933	100	Averaged	
63 Di-n-butylphthalate	1.28884	1.20208	1.20208	0.010	6.73164	100	Averaged	
64 Fluoranthene	1.31268	1.34413	1.34413	0.010	-2.39589	20.00000	Averaged	
65 Pyrene	1.68468	1.55248	1.55248	0.010	7.84705	100	Averaged	
$ 66 Terphenyl-d14	1.05913	1.00941	1.00941	0.010	4.69430	100	Averaged	
67 Butylbenzylphthalate	0.62512	0.53406	0.53406	0.010	14.56694	100	Averaged	
68 Benzo(a)anthracene	1.51027	1.44965	1.44965	0.010	4.01390	100	Averaged	
70 3,3'-Dichlorobenzidine	0.54465	0.48453	0.48453	0.010	11.03754	100	Averaged	
71 Chrysene	1.50081	1.41239	1.41239	0.010	5.89150	100	Averaged	
72 bis(2-Ethylhexyl)phthalate	0.50498	0.49941	0.49941	0.010	1.10417	100	Averaged	
73 Di-n-octylphthalate	0.95527	0.91216	0.91216	0.010	4.51285	20.00000	Averaged	
74 Benzo(b)fluoranthene	1.31305	1.29645	1.29645	0.010	1.26400	100	Averaged	
75 Benzo(k)fluoranthene	1.35777	1.64767	1.64767	0.010	-21.35127	100	Averaged	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i Injection Date: 03-AUG-2006 07:18
Lab File ID: cc0803.d Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Analysis Type: Init. Cal. Times: 10:16 17:54
Lab Sample ID: CC0803 Quant Type: ISTD
Method: /chem1/nt6.i/20060803.b/SW846.m

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
76 Benzo(a)pyrene	1.26379	1.23105	1.23105	0.010	2.59095	20.00000	Averaged
78 Indeno(1,2,3-cd)pyrene	1.53747	1.36377	1.36377	0.010	11.29798	100	Averaged
79 Dibenzo(a,h)anthracene	1.51025	1.42256	1.42256	0.010	5.80647	100	Averaged
80 Benzo(g,h,i)perylene	1.60993	1.48136	1.48136	0.010	7.98614	100	Averaged
90 N-Nitrosodimethylamine	1.07898	1.06761	1.06761	0.010	1.05338	100	Averaged
91 Aniline	2.63074	1.82130	1.82130	0.010	30.76861	100	Averaged
93 Benzidine	0.57928	0.12322	0.12322	0.010	78.72849	100	Averaged
103 Pyridine	2.21036	2.11448	2.11448	0.010	4.33806	100	Averaged
105 1-methylnaphthalene	0.68742	0.66119	0.66119	0.010	3.81589	100	Averaged
111 Azobenzene (1,2-DP-Hydrazin	1.95685	1.83620	1.83620	0.010	6.16593	100	Averaged

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060803.b/cc0803.d
Lab Smp Id: CC0803
Inj Date : 03-AUG-2006 07:18
Operator : LJR Inst ID: nt6.i
Smp Info : CC0803
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060803.b/SW846.m
Meth Date : 03-Aug-2006 07:56 van Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50
Processing Host: cserv3

LJR 8/31/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	3.405	3.405	(0.620)	261069	25.0000	20.32
$	2 Phenol-d5	99	5.248	5.248	(0.955)	373710	25.0000	24.01
	3 Phenol	94	5.269	5.269	(0.959)	414206	25.0000	21.36
$	5 2-Chlorophenol-d4	132	5.216	5.216	(0.949)	293751	25.0000	22.26
	4 Bis(2-Chloroethyl)ether	93	5.242	5.242	(0.954)	315635	25.0000	21.87
	6 2-Chlorophenol	128	5.242	5.242	(0.954)	309916	25.0000	23.22
	7 1,3-Dichlorobenzene	146	5.424	5.424	(0.987)	334614	25.0000	23.07
*	8 1,4-Dichlorobenzene-d4	152	5.494	5.494	(1.000)	174091	20.0000	
	9 1,4-Dichlorobenzene	146	5.520	5.520	(1.005)	361050	25.0000	24.22
$	10 1,2-Dichlorobenzene-d4	152	5.798	5.798	(1.055)	196096	25.0000	23.05
	12 1,2-Dichlorobenzene	146	5.814	5.814	(1.058)	336038	25.0000	23.45
	11 Benzyl alcohol	108	5.878	5.878	(1.070)	181180	25.0000	19.61
	14 2,2'-oxybis(1-Chloropropane)	45	6.145	6.145	(1.119)	370155	25.0000	20.94
	13 2-Methylphenol	108	6.199	6.199	(1.128)	272198	25.0000	21.33
	17 Hexachloroethane	117	6.300	6.300	(1.147)	146190	25.0000	23.17
	16 N-Nitroso-di-n-propylamine	70	6.364	6.364	(1.159)	235575	25.0000	19.29
	15 4-Methylphenol	108	6.450	6.450	(1.174)	295830	25.0000	22.48
$	18 Nitrobenzene-d5	82	6.466	6.466	(0.857)	336654	25.0000	20.56
	19 Nitrobenzene	77	6.493	6.493	(0.860)	379092	25.0000	21.09
	20 Isophorone	82	6.904	6.904	(0.915)	576000	25.0000	20.43
	21 2-Nitrophenol	139	7.016	7.016	(0.930)	148645	25.0000	22.48
	22 2,4-Dimethylphenol	107	7.256	7.256	(0.962)	294300	25.0000	21.33
	23 Bis(2-Chloroethoxy)methane	93	7.369	7.369	(0.977)	322305	25.0000	20.52
	24 Benzoic acid	105	7.577	7.577	(1.004)	207318	25.0000	28.47 (M)
	25 2,4-Dichlorophenol	162	7.433	7.433	(0.985)	244285	25.0000	24.25
	26 1,2,4-Trichlorobenzene	180	7.513	7.513	(0.996)	298543	25.0000	25.70

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	27 Naphthalene-d8	136	7.545	7.545	(1.000)	604851	20.0000	
	28 Naphthalene	128	7.577	7.577	(1.004)	871939	25.0000	23.71
	29 4-Chloroaniline	127	7.791	7.791	(1.033)	326147	25.0000	21.99
	30 Hexachlorobutadiene	225	7.940	7.940	(1.052)	202912	25.0000	27.80
	31 4-Chloro-3-methylphenol	107	8.688	8.688	(1.152)	270617	25.0000	23.78
	32 2-Methylnaphthalene	141	8.688	8.688	(1.152)	525785	25.0000	26.44
	33 Hexachlorocyclopentadiene	237	9.084	9.084	(0.879)	184180	25.0000	38.28
	34 2,4,6-Trichlorophenol	196	9.244	9.244	(0.895)	206173	25.0000	25.68
	35 2,4,5-Trichlorophenol	196	9.303	9.303	(0.900)	216957	25.0000	26.00
$	36 2-Fluorobiphenyl	172	9.367	9.367	(0.906)	660591	25.0000	24.55
	37 2-Chloronaphthalene	162	9.436	9.436	(0.913)	570542	25.0000	24.13
	38 2-Nitroaniline	65	9.725	9.725	(0.941)	193033	25.0000	20.01
	39 Dimethylphthalate	163	10.147	10.147	(0.982)	601745	25.0000	23.98
	40 Acenaphthylene	152	10.082	10.082	(0.976)	844110	25.0000	23.09
	41 2,6-Dinitrotoluene	165	10.205	10.205	(0.988)	133991	25.0000	23.43
*	42 Acenaphthene-d10	164	10.334	10.334	(1.000)	360439	20.0000	
	43 3-Nitroaniline	138	10.392	10.392	(1.006)	141439	25.0000	23.14
	44 Acenaphthene	153	10.382	10.382	(1.005)	575601	25.0000	24.87
	45 2,4-Dinitrophenol	184	10.553	10.553	(1.021)	71263	25.0000	64.19
	46 Dibenzofuran	168	10.643	10.643	(1.030)	840914	25.0000	26.41
	47 4-Nitrophenol	109	10.830	10.830	(1.048)	92460	25.0000	23.24
	48 2,4-Dinitrotoluene	165	10.798	10.798	(1.045)	175895	25.0000	24.24
	50 Diethylphthalate	149	11.290	11.290	(1.093)	594222	25.0000	24.52
	49 Fluorene	166	11.178	11.178	(1.082)	646946	25.0000	25.04
	51 4-Chlorophenyl-phenylether	204	11.263	11.263	(1.090)	363401	25.0000	26.78
	52 4-Nitroaniline	138	11.359	11.359	(1.099)	113194	25.0000	21.09
	53 4,6-Dinitro-2-methylphenol	198	11.429	11.429	(0.906)	115070	25.0000	34.18
	54 N-Nitrosodiphenylamine	169	11.487	11.487	(0.910)	500037	25.0000	25.16
$	55 2,4,6-Tribromophenol	330	11.605	11.605	(1.123)	102918	25.0000	29.69
	56 4-Bromophenyl-phenylether	248	12.016	12.016	(0.952)	214208	25.0000	26.38
	57 Hexachlorobenzene	284	12.171	12.171	(0.964)	237793	25.0000	27.94
	58 Pentachlorophenol	266	12.508	12.508	(0.991)	124148	25.0000	26.78
*	59 Phenanthrene-d10	188	12.620	12.620	(1.000)	578581	20.0000	
	60 Phenanthrene	178	12.652	12.652	(1.003)	924200	25.0000	23.99
	61 Anthracene	178	12.721	12.721	(1.008)	908040	25.0000	23.48
	62 Carbazole	167	13.058	13.058	(1.035)	746282	25.0000	23.98
	63 Di-n-butylphthalate	149	13.886	13.886	(1.100)	869377	25.0000	23.32
	64 Fluoranthene	202	14.522	14.522	(1.151)	972110	25.0000	25.60
	65 Pyrene	202	14.848	14.848	(0.884)	1105965	25.0000	23.04
$	66 Terphenyl-d14	244	15.264	15.264	(0.909)	719090	25.0000	23.83
	67 Butylbenzylphthalate	149	16.210	16.210	(0.965)	380453	25.0000	21.36
	68 Benzo(a)anthracene	228	16.782	16.782	(0.999)	1032708	25.0000	24.00
*	69 Chrysene-d12	240	16.798	16.798	(1.000)	569907	20.0000	
	70 3,3'-Dichlorobenzidine	252	16.872	16.872	(1.004)	345174	25.0000	22.24
	71 Chrysene	228	16.840	16.840	(1.003)	1006161	25.0000	23.53
	72 bis(2-Ethylhexyl)phthalate	149	17.257	17.257	(0.949)	520017	25.0000	24.72
*	134 Di-n-octylphthalate-d4	153	18.181	18.181	(1.000)	833015	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
73	Di-n-octylphthalate	149	18.181	18.181	(1.000)	949804	25.0000	23.87
74	Benzo(b)fluoranthene	252	18.384	18.384	(0.974)	966581	25.0000	24.68
75	Benzo(k)fluoranthene	252	18.416	18.416	(0.975)	1228439	25.0000	30.34 (M)
76	Benzo(a)pyrene	252	18.801	18.801	(0.996)	917819	25.0000	24.35
* 77	Perylene-d12	264	18.881	18.881	(1.000)	596448	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	20.200	20.200	(1.070)	1016771	25.0000	22.18
79	Dibenzo(a,h)anthracene	278	20.249	20.249	(1.072)	1060603	25.0000	23.55
80	Benzo(g,h,i)perylene	276	20.484	20.484	(1.085)	1104443	25.0000	23.00
90	N-Nitrosodimethylamine	74	1.257	1.257	(0.229)	232327	25.0000	24.74
91	Aniline	93	5.072	5.072	(0.923)	396340	25.0000	17.31
93	Benzidine	184	14.858	14.858	(0.885)	87781	25.0000	5.318
103	Pyridine	79	1.247	1.247	(0.227)	460139	25.0000	23.92
105	1-methylnaphthalene	141	8.848	8.848	(1.173)	499899	25.0000	24.05
111	Azobenzene (1,2-DP-Hydrazine)	77	11.503	11.503	(1.113)	827296	25.0000	23.46

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: cc0803.d
Lab Smp Id: CC0803
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060803.b/SW846.m
Misc Info:

Calibration Date: 03-AUG-2006
Calibration Time: 07:18

Level:
Sample Type:

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	174091	87046	348182	174091	0.00
27 Naphthalene-d8	604851	302426	1209702	604851	0.00
42 Acenaphthene-d10	360439	180220	720878	360439	0.00
59 Phenanthrene-d10	578581	289290	1157162	578581	0.00
69 Chrysene-d12	569907	284954	1139814	569907	0.00
134 Di-n-octylphthala	833015	416508	1666030	833015	0.00
77 Perylene-d12	596448	298224	1192896	596448	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.49	4.99	5.99	5.49	0.00
27 Naphthalene-d8	7.54	7.04	8.04	7.54	0.00
42 Acenaphthene-d10	10.33	9.83	10.83	10.33	0.00
59 Phenanthrene-d10	12.62	12.12	13.12	12.62	0.00
69 Chrysene-d12	16.80	16.30	17.30	16.80	0.00
134 Di-n-octylphthala	18.18	17.68	18.68	18.18	0.00
77 Perylene-d12	18.88	18.38	19.38	18.88	0.00

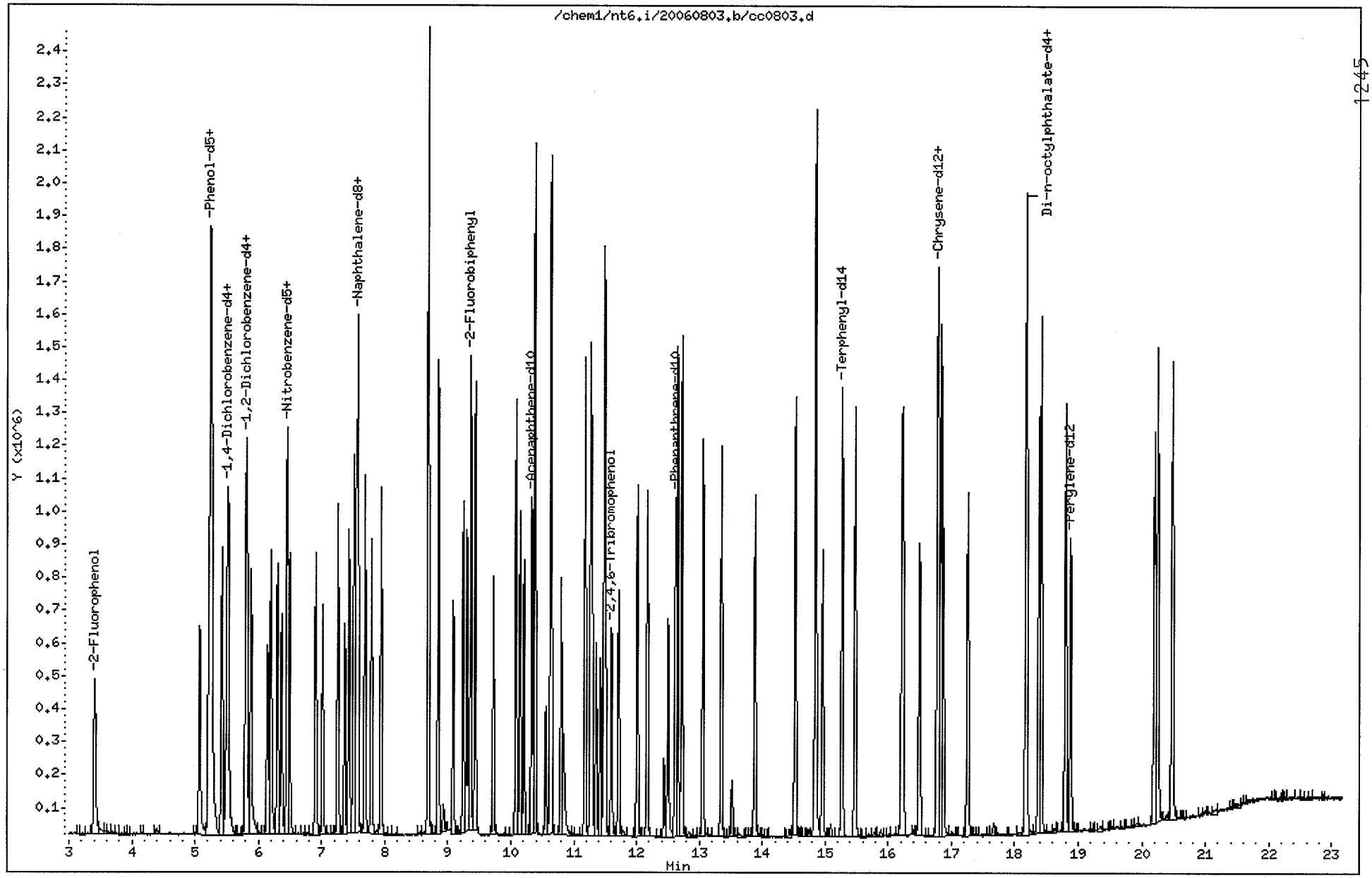
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060803.b/cc0803.d
Date : 03-AUG-2006 07:18
Client ID:
Sample Info: CC0803

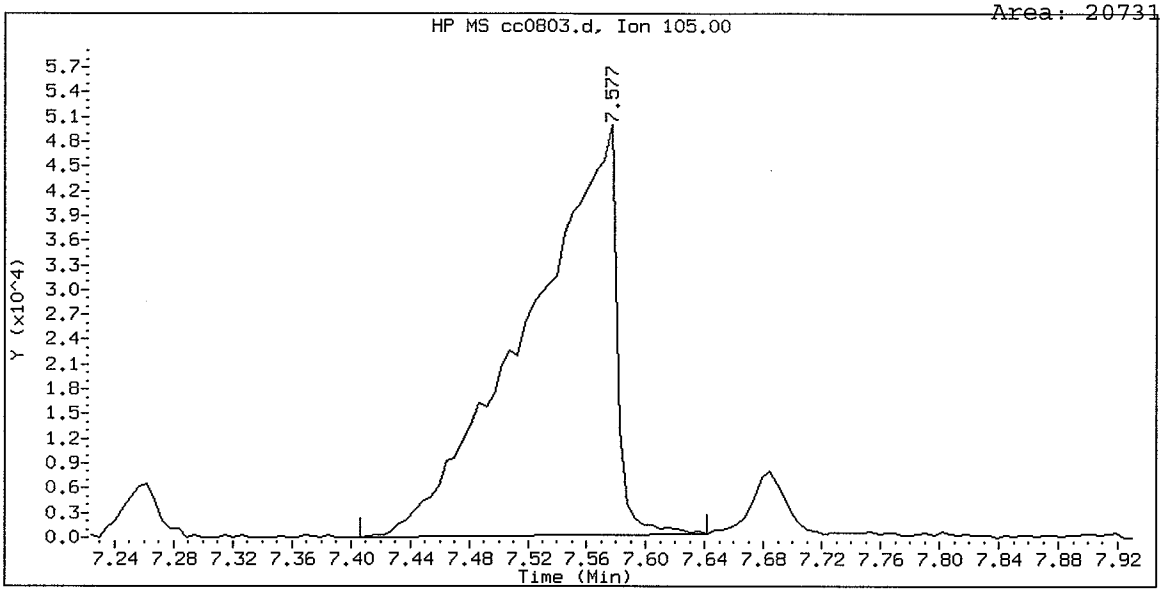
Instrument: nt6.i

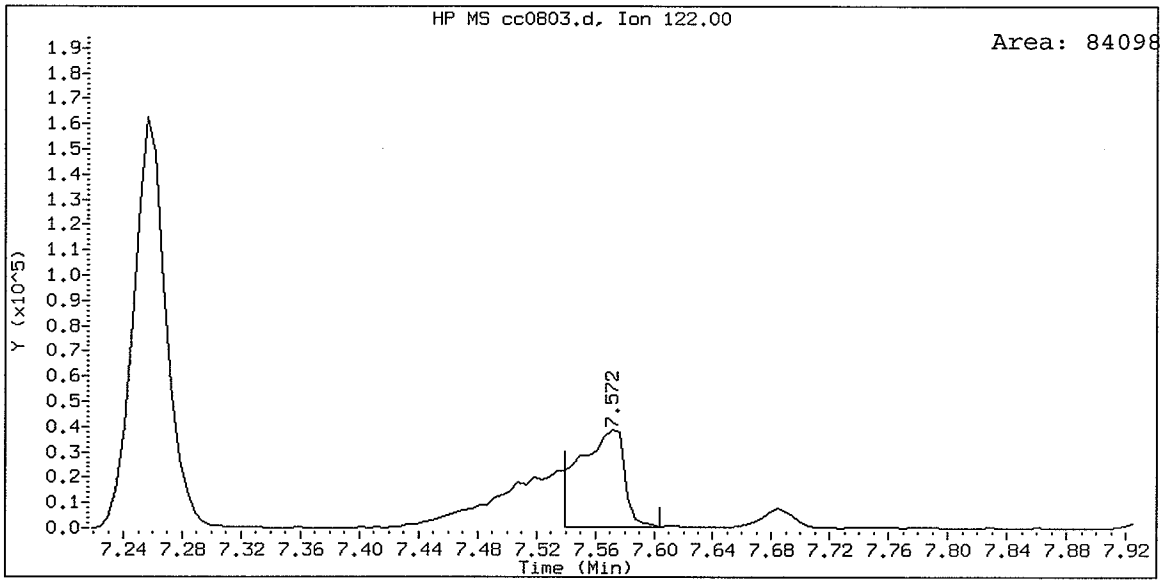
Operator: LJR
Column diameter: 0.32

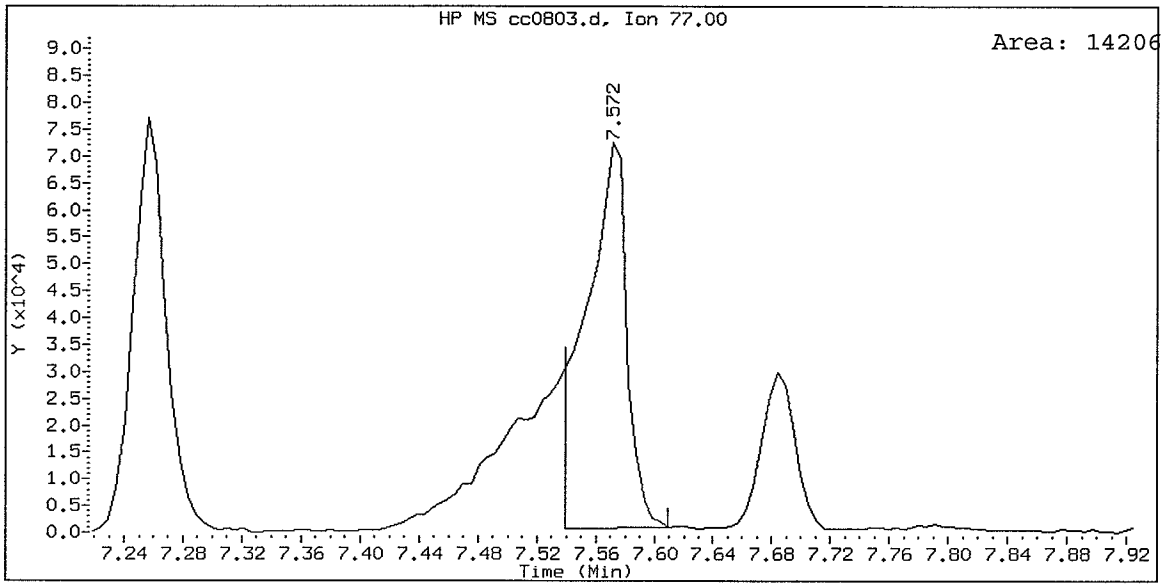
Column phase: ZB-5



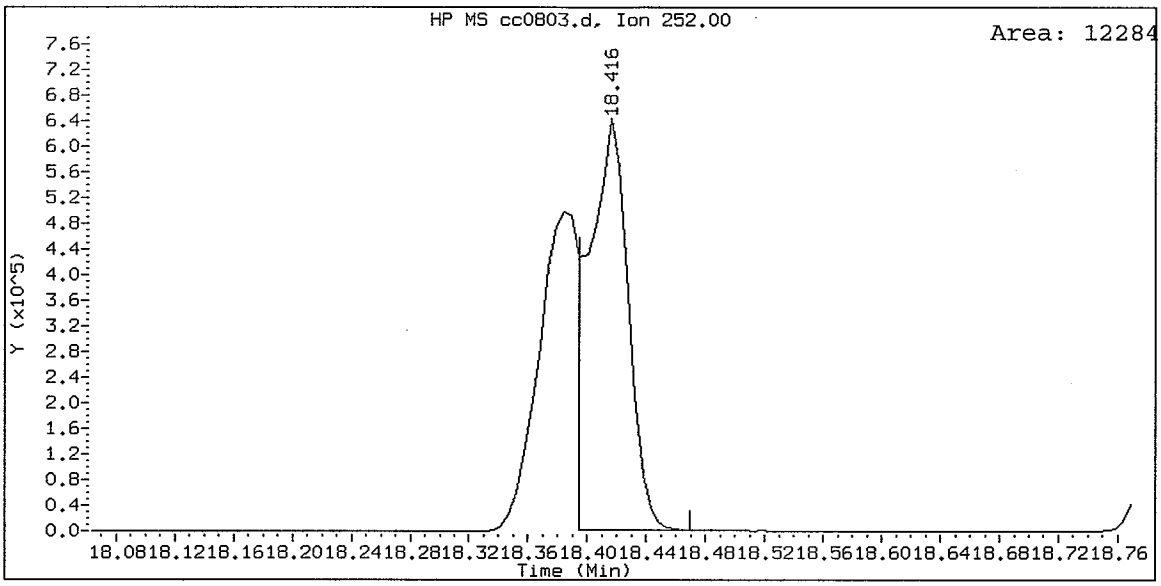
CC0803, /chem1/nt6.i/20060803.b/cc0803.d
Benzoic acid Amount: 28.47

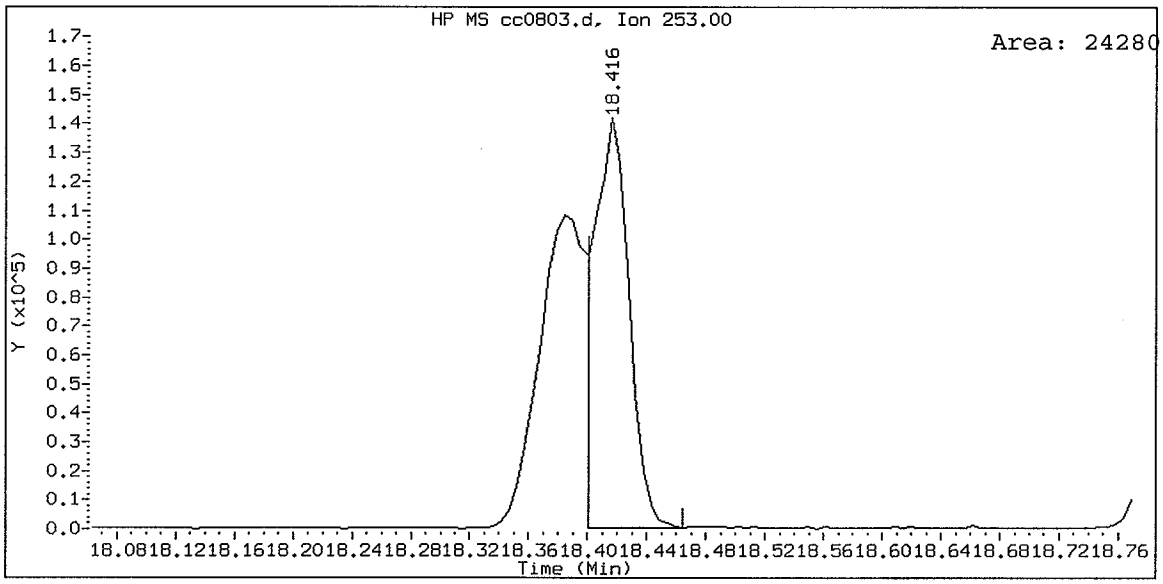


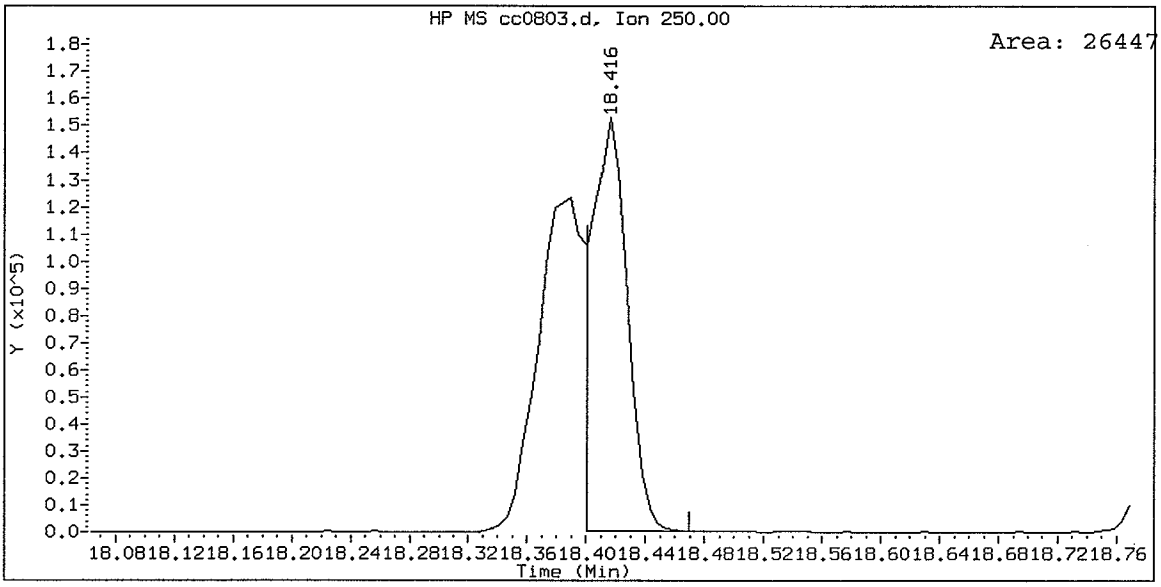




CC0803, /chem1/nt6.i/20060803.b/cc0803.d
Benzo(k)fluoranthene Amount: 30.34

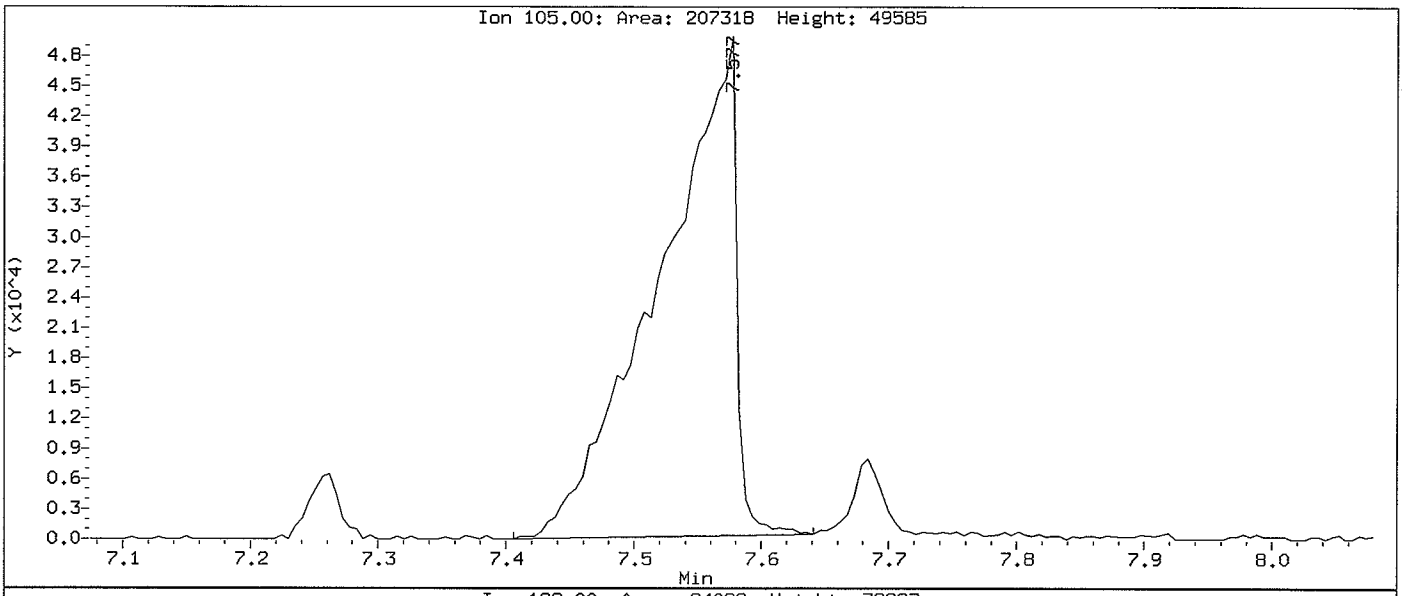


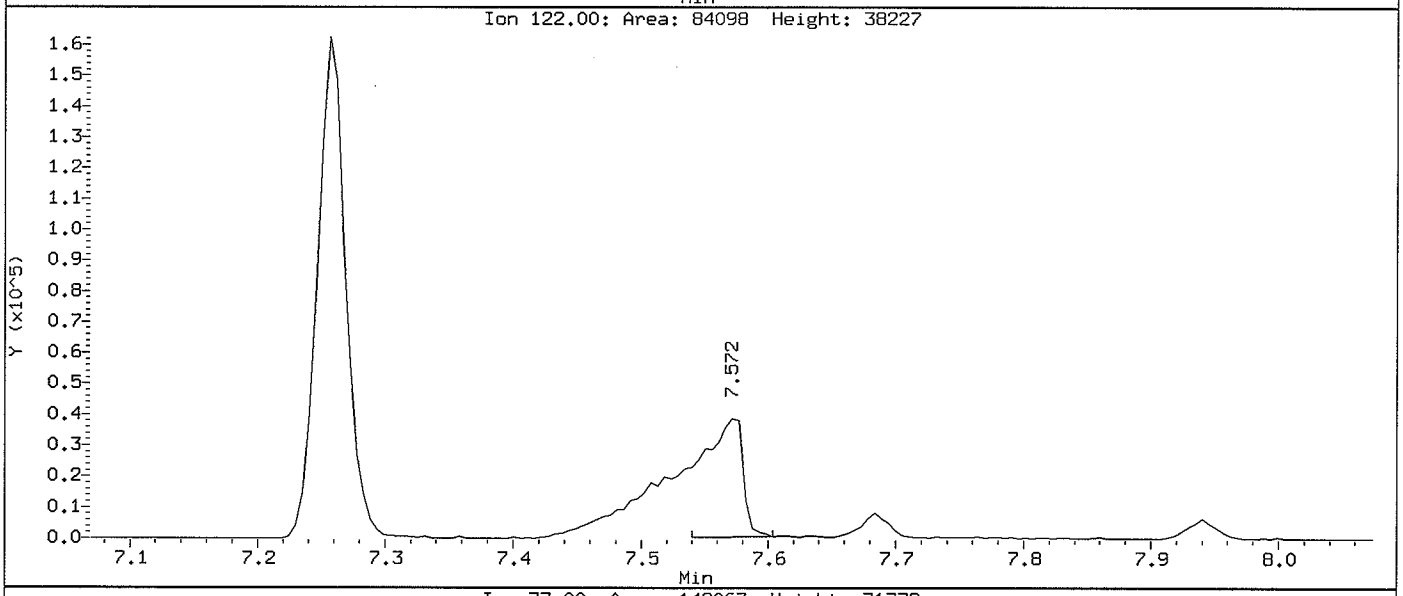


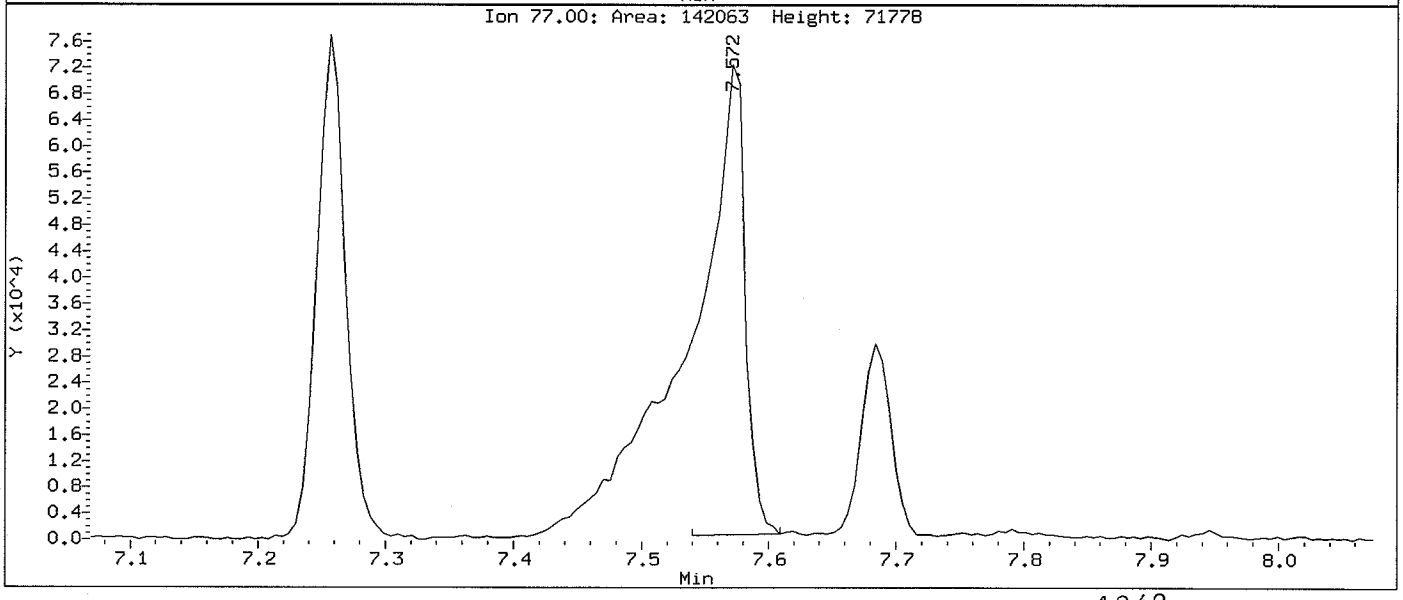


Data File: /chem1/nt6.i/20060803.b/cc0803.d
Injection Date: 03-AUG-2006 07:18
Instrument: nt6.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0

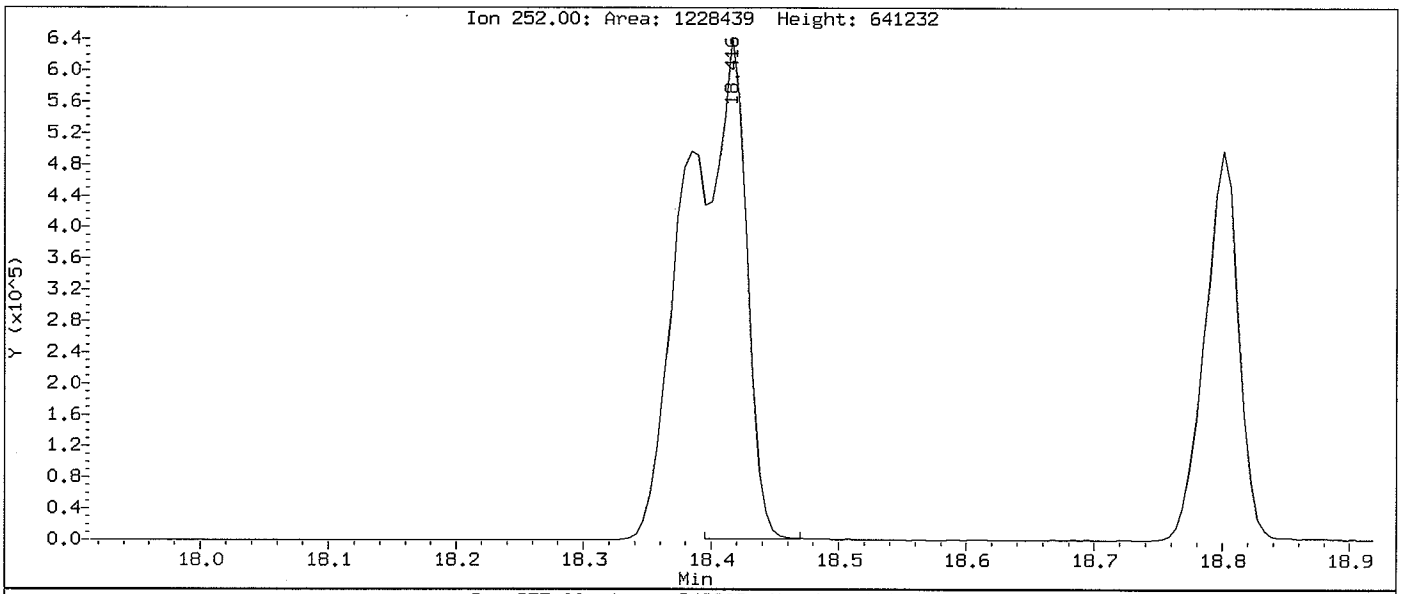


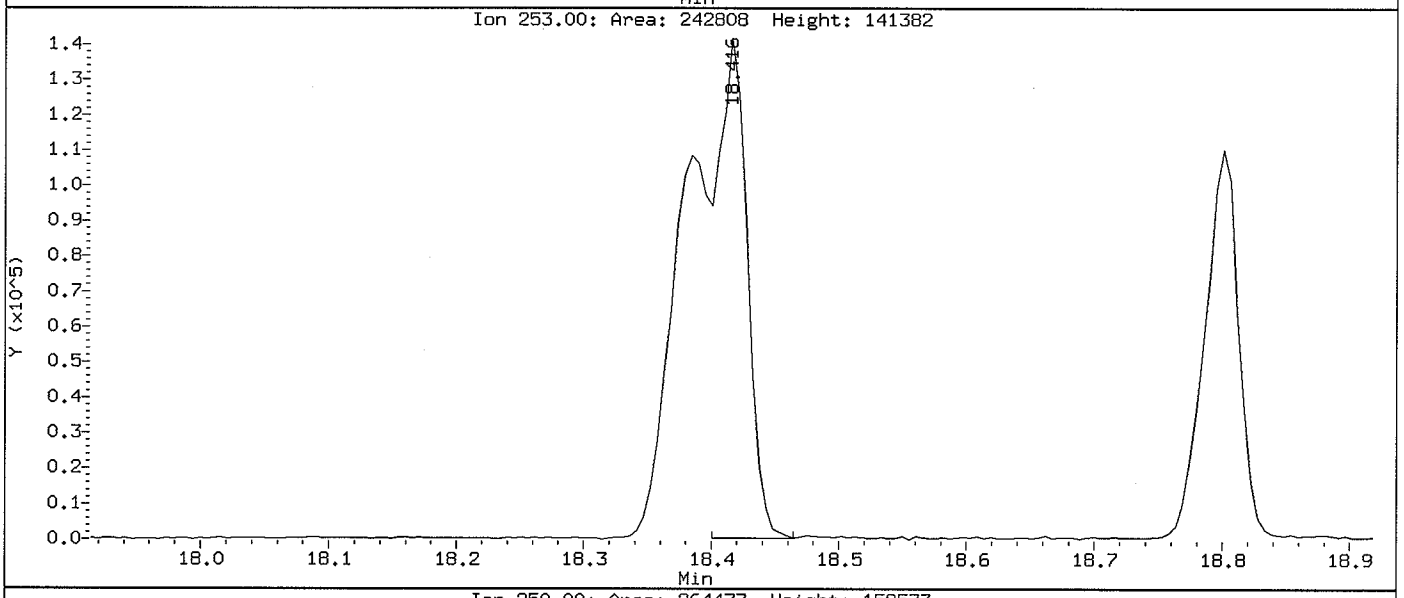


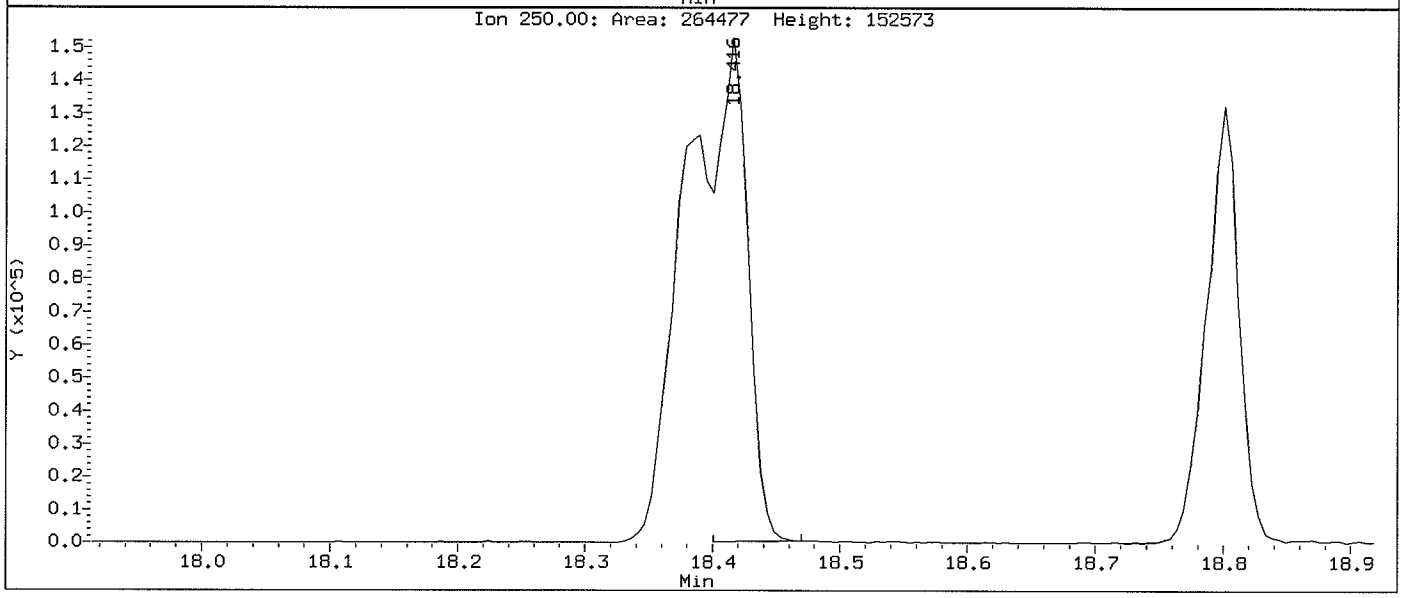


Data File: /chem1/nt6.i/20060803.b/cc0803.d
Injection Date: 03-AUG-2006 07:18
Instrument: nt6.i
Client Sample ID:

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9







Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem1/nt6.i/20060803.b/ddt.b/cc0803.d
Method: /chem1/nt6.i/20060803.b/ddt.b/sw846ddt.m
Analysis Date: 03-AUG-2006 07:18

ARI ID:
Misc:
Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	12.508	124148
Benzidine	14.858	87781
4,4'-DDE	----	----
4,4'-DDD	15.788	18203
4,4'-DDT	16.237	295040

LTC 8/31/06

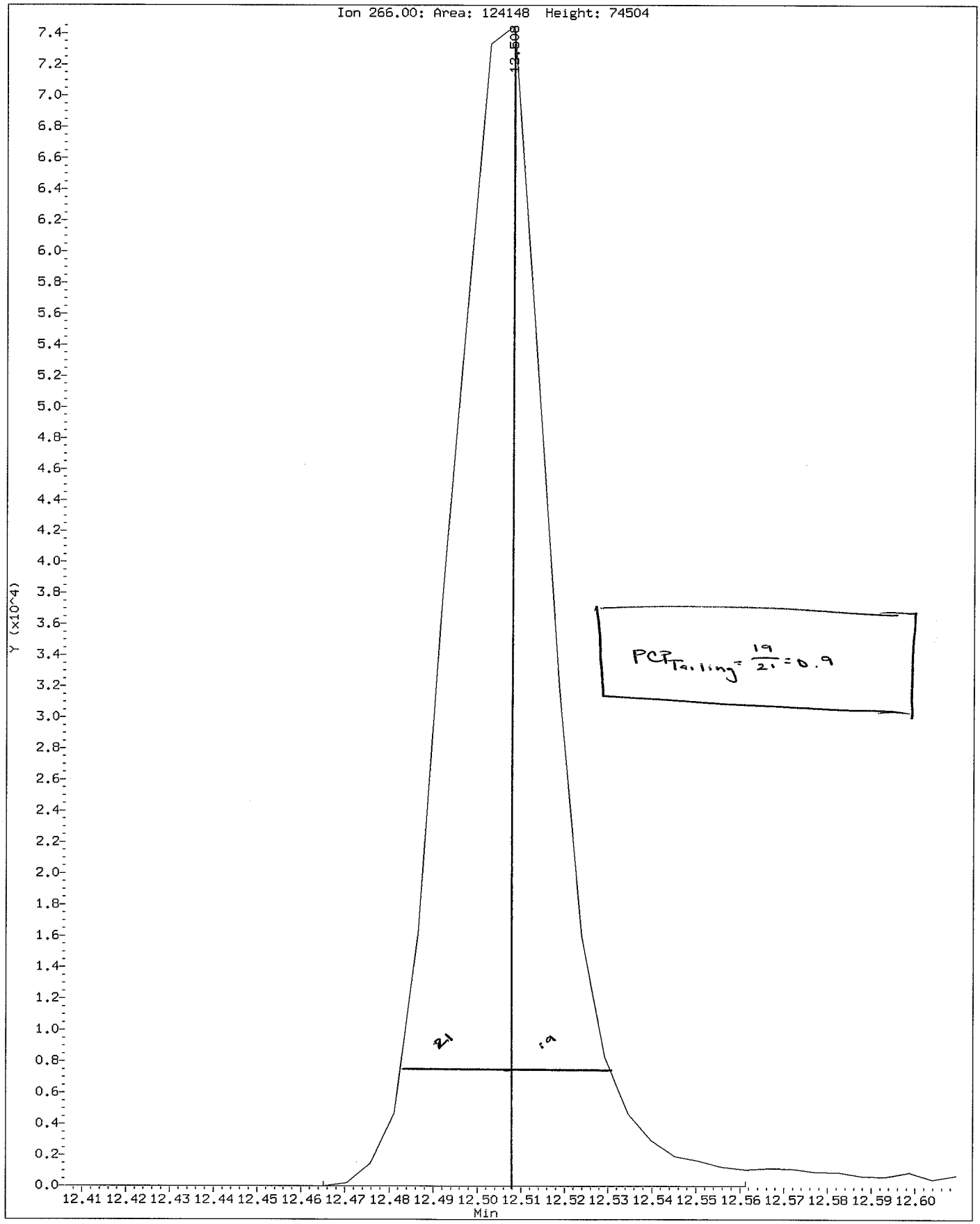
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 18203) * 100}{(0 + 18203 + 295040)}$$

DDT Percent Breakdown = 5.8 %

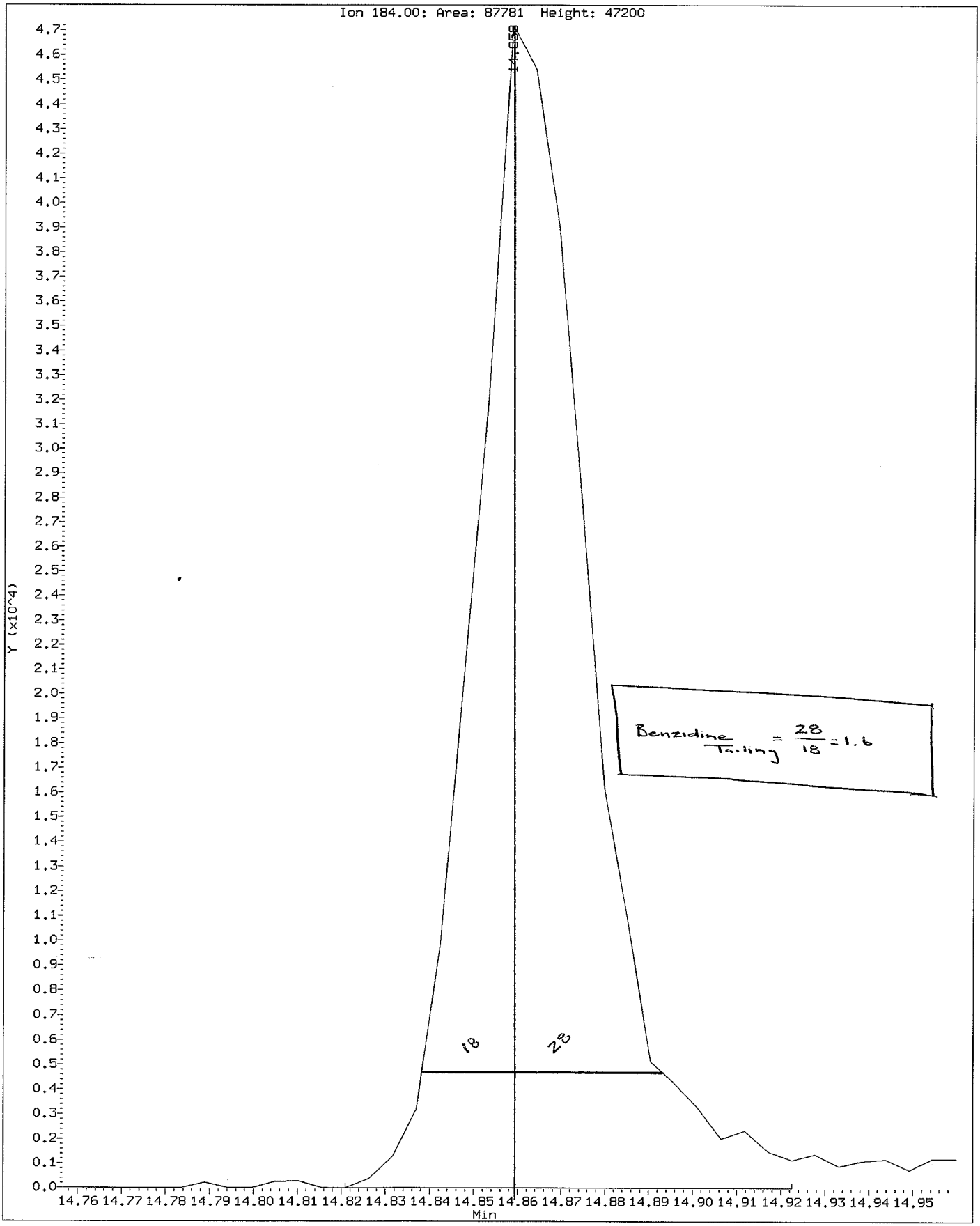
Data File: /chem1/nt6.i/20060803.b/ddt.b/cc0803.d
Injection Date: 03-AUG-2006 07:18
Instrument: nt6.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem1/nt6.i/20060803.b/ddt.b/cc0803.d
Injection Date: 03-AUG-2006 07:18
Instrument: nt6.i
Client Sample ID:

Compound: Benzidine
CAS Number:



7B

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Instrument ID: NT6 Cont. Calib. Date: 08/08/06

Init. Calib. Date: 07/05/06 Cont. Calib. Time: 1313

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D	
Phenol	2.228	2.190	0.100	1.7	20.0	
Bis(2-Chloroethyl)ether	1.658	1.477	0.100	10.9		
2-Chlorophenol	1.533	1.526	0.100	0.4		
1,3-Dichlorobenzene	1.667	1.488	0.100	10.7		
1,4-Dichlorobenzene	1.712	1.539	0.100	10.1	20.0	
1,2-Dichlorobenzene	1.646	1.577	0.100	4.2		
Benzyl alcohol	1.062	0.937	0.100	11.8		
2,2'-oxybis(1-Chloropropane)	2.030	1.652	0.100	18.6		
2-Methylphenol	1.466	1.431	0.100	2.4		
Hexachloroethane	0.725	0.735	0.100	-1.4		
N-Nitroso-di-n-propylamine	1.403	1.361	0.050	3.0		
4-Methylphenol	1.512	1.613	0.100	-6.7		
Nitrobenzene	0.594	0.815	0.100	-37.2		
Isophorone	0.932	0.931	0.100	0.1		
2-Nitrophenol	0.219	0.201	0.100	8.2	20.0	
2,4-Dimethylphenol	0.456	0.454	0.100	0.4		
Bis(2-Chloroethoxy)methane	0.519	0.487	0.100	6.2		
2,4-Dichlorophenol	0.333	0.330	0.100	0.9	20.0	
1,2,4-Trichlorobenzene	0.384	0.392	0.100	-2.1		
Naphthalene	1.216	1.163	0.100	4.4		
Benzoic acid	0.241	0.222	0.100	7.9		
4-Chloroaniline	0.490	0.459	0.100	6.3		
Hexachlorobutadiene	0.241	0.259	0.100	-7.5	20.0	
4-Chloro-3-methylphenol	0.376	0.375	0.100	0.3	20.0	
2-Methylnaphthalene	0.658	0.645	0.100	2.0		
Hexachlorocyclopentadiene	0.267	0.242	0.050	9.4		
2,4,6-Trichlorophenol	0.446	0.452	0.100	-1.3	20.0	
2,4,5-Trichlorophenol	0.463	0.480	0.100	-3.7		
2-Chloronaphthalene	1.312	1.294	0.100	1.4		
2-Nitroaniline	0.535	0.532	0.100	0.6		
Acenaphthylene	2.028	1.939	0.100	4.4		
Dimethylphthalate	1.392	1.340	0.100	3.7		
2,6-Dinitrotoluene	0.317	0.300	0.100	5.4		
Acenaphthene	1.284	1.285	0.100	-0.1	20.0	
3-Nitroaniline	0.339	0.316	0.100	6.8		
2,4-Dinitrophenol	0.061	0.040	0.050	34.4		<-
Dibenzofuran	1.767	1.855	0.100	-5.0		

<- Outside QC limits

FORM VII SV-1

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Instrument ID: NT6 Cont. Calib. Date: 08/08/06

Init. Calib. Date: 07/05/06 Cont. Calib. Time: 1313

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
4-Nitrophenol	0.221	0.264	0.050	-19.4	
2,4-Dinitrotoluene	0.403	0.380	0.100	5.7	
Fluorene	1.433	1.425	0.100	0.6	
4-Chlorophenyl-phenylether	0.753	0.775	0.100	-2.9	
Diethylphthalate	1.345	1.335	0.100	0.7	
4-Nitroaniline	0.298	0.274	0.100	8.0	
4,6-Dinitro-2-methylphenol	0.116	0.098	0.100	15.5	
N-Nitrosodiphenylamine(1)	0.687	0.727	0.100	-5.8	
4-Bromophenyl-phenylether	0.281	0.297	0.100	-5.7	
Hexachlorobenzene	0.294	0.295	0.100	-0.3	
Pentachlorophenol	0.160	0.174	0.100	-8.8	20.0
Phenanthrene	1.331	1.327	0.100	0.3	
Anthracene	1.337	1.325	0.100	0.9	
Carbazole	1.076	1.080	0.100	-0.4	
Di-n-butylphthalate	1.289	1.332	0.100	-3.3	
Fluoranthene	1.312	1.377	0.100	-5.0	20.0
Pyrene	1.684	1.510	0.100	10.3	
Butylbenzylphthalate	0.625	0.618	0.100	1.1	
Benzo(a)anthracene	1.510	1.483	0.100	1.8	
3,3'-Dichlorobenzidine	0.545	0.487	0.100	10.6	
Chrysene	1.501	1.452	0.100	3.3	
bis(2-Ethylhexyl)phthalate	0.505	0.516	0.100	-2.2	
Di-n-octylphthalate	0.955	0.939	0.100	1.7	20.0
Benzo(b)fluoranthene	1.313	1.426	0.100	-8.6	
Benzo(k)fluoranthene	1.358	1.676	0.100	-23.4	
Benzo(a)pyrene	1.264	1.357	0.100	-7.4	20.0
Indeno(1,2,3-cd)pyrene	1.538	1.441	0.100	6.3	
Dibenzo(a,h)anthracene	1.510	1.539	0.100	-1.9	
Benzo(g,h,i)perylene	1.610	1.588	0.100	1.4	
N-Nitrosodimethylamine	1.079	0.001	0.100	99.9	
Aniline	2.630	2.380	0.100	9.5	
Benzidine	0.579	0.394	0.100	32.0	
Pyridine	2.210	0.001	0.100	100.0	
1-methylnaphthalene	0.687	0.662	0.100	3.6	
Azobenzene (1,2-DP-Hydrazine	1.957	2.218	0.100	-13.3	

(1) Cannot be separated from Diphenylamine
<- Outside QC limits

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ33 Project: T4 EARLY ACTION

Instrument ID: NT6 Cont. Calib. Date: 08/08/06

Init. Calib. Date: 07/05/06 Cont. Calib. Time: 1313

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
2-Fluorophenol	1.476	1.390	0.100	5.8	
Phenol-d5	1.788	1.906	0.100	-6.6	
2-Chlorophenol-d4	1.516	1.404	0.100	7.4	
1,2-Dichlorobenzene-d4	0.977	0.933	0.100	4.5	
Nitrobenzene-d5	0.541	0.562	0.100	-3.9	
2-Fluorobiphenyl	1.493	1.464	0.100	1.9	
2,4,6-Tribromophenol	0.192	0.187	0.100	2.6	
Terphenyl-d14	1.059	0.972	0.100	8.2	

<- Outside QC limits

FORM VII SV-3

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0808.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060808.b/SW846.m

Injection Date: 08-AUG-2006 13:13
Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Init. Cal. Times: 10:16 17:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	1.47580	1.39032	1.39032	0.010	5.79235	100	Averaged
$ 2 Phenol-d5	1.78819	1.90555	1.90555	0.010	-6.56313	100	Averaged
3 Phenol	2.22821	2.19057	2.19057	0.010	1.68911	20.00000	Averaged
$ 5 2-Chlorophenol-d4	1.51624	1.40429	1.40429	0.010	7.38311	100	Averaged
4 Bis(2-Chloroethyl)ether	1.65790	1.47739	1.47739	0.010	10.88814	100	Averaged
6 2-Chlorophenol	1.53316	1.52631	1.52631	0.010	0.44716	100	Averaged
7 1,3-Dichlorobenzene	1.66660	1.48789	1.48789	0.010	10.72312	100	Averaged
9 1,4-Dichlorobenzene	1.71261	1.53922	1.53922	0.010	10.12451	20.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.97741	0.93295	0.93295	0.010	4.54886	100	Averaged
12 1,2-Dichlorobenzene	1.64652	1.57732	1.57732	0.010	4.20261	100	Averaged
11 Benzyl alcohol	1.06159	0.93688	0.93688	0.010	11.74712	100	Averaged
14 2,2'-oxybis(1-Chloropropane	2.03046	1.65183	1.65183	0.010	18.64741	100	Averaged
13 2-Methylphenol	1.46609	1.43125	1.43125	0.010	2.37647	100	Averaged
17 Hexachloroethane	0.72499	0.73508	0.73508	0.010	-1.39160	100	Averaged
16 N-Nitroso-di-n-propylamine	1.40318	1.36063	1.36063	0.050	3.03264	100	Averaged
15 4-Methylphenol	1.51200	1.61329	1.61329	0.010	-6.69876	100	Averaged
$ 18 Nitrobenzene-d5	0.54142	0.56168	0.56168	0.010	-3.74170	100	Averaged
19 Nitrobenzene	0.59443	0.81513	0.81513	0.010	-37.12803	100	Averaged
20 Isophorone	0.93231	0.93126	0.93126	0.010	0.11272	100	Averaged
21 2-Nitrophenol	0.21868	0.20113	0.20113	0.010	8.02492	20.00000	Averaged
22 2,4-Dimethylphenol	0.45615	0.45411	0.45411	0.010	0.44725	100	Averaged
23 Bis(2-Chloroethoxy)methane	0.51940	0.48665	0.48665	0.010	6.30463	100	Averaged
24 Benzoic acid	0.24076	0.22216	0.22216	0.010	7.72338	100	Averaged
25 2,4-Dichlorophenol	0.33308	0.32988	0.32988	0.010	0.95986	20.00000	Averaged
26 1,2,4-Trichlorobenzene	0.38416	0.39250	0.39250	0.010	-2.17075	100	Averaged
28 Naphthalene	1.21584	1.16274	1.16274	0.010	4.36755	100	Averaged
29 4-Chloroaniline	0.49036	0.45893	0.45893	0.010	6.40930	100	Averaged
30 Hexachlorobutadiene	0.24135	0.25936	0.25936	0.010	-7.45910	20.00000	Averaged
31 4-Chloro-3-methylphenol	0.37629	0.37463	0.37463	0.010	0.44169	20.00000	Averaged
32 2-Methylnaphthalene	0.65760	0.64485	0.64485	0.010	1.93794	100	Averaged
33 Hexachlorocyclopentadiene	0.26698	0.24220	0.24220	0.050	9.27962	100	Averaged
34 2,4,6-Trichlorophenol	0.44546	0.45256	0.45256	0.010	-1.59366	20.00000	Averaged
35 2,4,5-Trichlorophenol	0.46295	0.48012	0.48012	0.010	-3.70939	100	Averaged
$ 36 2-Fluorobiphenyl	1.49334	1.46380	1.46380	0.010	1.97781	100	Averaged
37 2-Chloronaphthalene	1.31189	1.29361	1.29361	0.010	1.39297	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i Injection Date: 08-AUG-2006 13:13
Lab File ID: cc0808.d Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Analysis Type: Init. Cal. Times: 10:16 17:54
Lab Sample ID: ABN 25 Quant Type: ISTD
Method: /chem1/nt6.i/20060808.b/SW846.m

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2-Nitroaniline	0.53527	0.53238	0.53238	0.010	0.53911	100	Averaged	
39 Dimethylphthalate	1.39220	1.33994	1.33994	0.010	3.75329	100	Averaged	
40 Acenaphthylene	2.02846	1.93909	1.93909	0.010	4.40571	100	Averaged	
41 2,6-Dinitrotoluene	0.31738	0.30027	0.30027	0.010	5.39163	100	Averaged	
43 3-Nitroaniline	0.33922	0.31610	0.31610	0.010	6.81363	100	Averaged	
44 Acenaphthene	1.28428	1.28508	1.28508	0.010	-0.06181	20.00000	Averaged	
45 2,4-Dinitrophenol	0.06160	0.03995	0.03995	0.050	35.15244	100	Averaged	<-
46 Dibenzofuran	1.76701	1.85512	1.85512	0.010	-4.98681	100	Averaged	
47 4-Nitrophenol	0.22074	0.26425	0.26425	0.050	-19.70859	100	Averaged	
48 2,4-Dinitrotoluene	0.40267	0.37969	0.37969	0.010	5.70756	100	Averaged	
50 Diethylphthalate	1.34468	1.33547	1.33547	0.010	0.68502	100	Averaged	
49 Fluorene	1.43339	1.42535	1.42535	0.010	0.56081	100	Averaged	
51 4-Chlorophenyl-phenylether	0.75298	0.77524	0.77524	0.010	-2.95669	100	Averaged	
52 4-Nitroaniline	0.29776	0.27358	0.27358	0.010	8.12172	100	Averaged	
53 4,6-Dinitro-2-methylphenol	0.11636	0.09756	0.09756	0.010	16.15830	100	Averaged	
54 N-Nitrosodiphenylamine	0.68692	0.72674	0.72674	0.010	-5.79735	20.00000	Averaged	
$ 55 2,4,6-Tribromophenol	0.19232	0.18663	0.18663	0.010	2.95907	100	Averaged	
56 4-Bromophenyl-phenylether	0.28074	0.29697	0.29697	0.010	-5.78313	100	Averaged	
57 Hexachlorobenzene	0.29422	0.29545	0.29545	0.010	-0.41912	100	Averaged	
58 Pentachlorophenol	0.16025	0.17396	0.17396	0.010	-8.55703	20.00000	Averaged	
60 Phenanthrene	1.33142	1.32706	1.32706	0.010	0.32738	100	Averaged	
61 Anthracene	1.33663	1.32470	1.32470	0.010	0.89269	100	Averaged	
62 Carbazole	1.07599	1.08056	1.08056	0.010	-0.42479	100	Averaged	
63 Di-n-butylphthalate	1.28884	1.33203	1.33203	0.010	-3.35109	100	Averaged	
64 Fluoranthene	1.31268	1.37729	1.37729	0.010	-4.92199	20.00000	Averaged	
65 Pyrene	1.68468	1.51040	1.51040	0.010	10.34526	100	Averaged	
$ 66 Terphenyl-d14	1.05913	0.97151	0.97151	0.010	8.27303	100	Averaged	
67 Butylbenzylphthalate	0.62512	0.61776	0.61776	0.010	1.17648	100	Averaged	
68 Benzo(a)anthracene	1.51027	1.48271	1.48271	0.010	1.82466	100	Averaged	
70 3,3'-Dichlorobenzidine	0.54465	0.48715	0.48715	0.010	10.55801	100	Averaged	
71 Chrysene	1.50081	1.45252	1.45252	0.010	3.21761	100	Averaged	
72 bis(2-Ethylhexyl)phthalate	0.50498	0.51600	0.51600	0.010	-2.18248	100	Averaged	
73 Di-n-octylphthalate	0.95527	0.93920	0.93920	0.010	1.68209	20.00000	Averaged	
74 Benzo(b)fluoranthene	1.31305	1.42633	1.42633	0.010	-8.62748	100	Averaged	
75 Benzo(k)fluoranthene	1.35777	1.67614	1.67614	0.010	-23.44763	100	Averaged	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0808.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060808.b/SW846.m

Injection Date: 08-AUG-2006 13:13
Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Init. Cal. Times: 10:16 17:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
76 Benzo(a)pyrene	1.26379	1.35712	1.35712	0.010	-7.38465	20.00000	Averaged	
78 Indeno(1,2,3-cd)pyrene	1.53747	1.44150	1.44150	0.010	6.24221	100	Averaged	
79 Dibenzo(a,h)anthracene	1.51025	1.53935	1.53935	0.010	-1.92687	100	Averaged	
80 Benzo(g,h,i)perylene	1.60993	1.58831	1.58831	0.010	1.34322	100	Averaged	
90 N-Nitrosodimethylamine	1.07898	0.00085	0.00085	0.010	100	100	Averaged	<-
103 Pyridine	2.21036	0.00146	0.00146	0.010	100	100	Averaged	<-
91 Aniline	2.63074	2.37991	2.37991	0.010	9.53455	100	Averaged	
105 1-methylnaphthalene	0.68742	0.66179	0.66179	0.010	3.72822	100	Averaged	
93 Benzidine	0.57928	0.39460	0.39460	0.010	31.88135	100	Averaged	
98 Retene	0.72951	0.64331	0.64331	0.010	11.81707	100	Averaged	
111 Azobenzene (1,2-DP-Hydrazin	1.95685	2.21827	2.21827	0.010	-13.35885	100	Averaged	
144 alpha-Terpineol	0.36586	0.35439	0.35439	0.010	3.13462	100	Averaged	
143 1,4-Dioxane	0.75175	0.00024	0.00024	0.010	100	100	Averaged	<-
$ 137 d8-1,4-Dioxane	0.72004	0.00027	0.00027	0.010	100	100	Averaged	<-
133 Butylatedhydroxytoluene	1.13212	1.19484	1.19484	0.010	-5.54001	100	Averaged	
115 Tributyl Phosphate	1.00449	0.99496	0.99496	0.010	0.94921	100	Averaged	
116 Dibutyl Phenyl Phosphate	0.78147	0.80627	0.80627	0.010	-3.17276	100	Averaged	
117 Butyl Diphenyl Phosphate	0.28782	0.25125	0.25125	0.010	12.70575	100	Averaged	
118 Triphenyl Phosphate	0.23863	0.20100	0.20100	0.010	15.76911	100	Averaged	

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060808.b/cc0808.d
Lab Smp Id: ABN 25
Inj Date : 08-AUG-2006 13:13
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 25
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060808.b/SW846.m
Meth Date : 09-Aug-2006 08:47 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 8/9/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	2.956	2.956	(0.540)	494634	25.0000	23.55 (M)
$	2 Phenol-d5	99	4.965	4.965	(0.906)	677937	25.0000	26.64 (M)
	3 Phenol	94	4.981	4.981	(0.909)	779340	25.0000	24.58 (M)
$	5 2-Chlorophenol-d4	132	4.896	4.896	(0.894)	499606	25.0000	23.15 (M)
	4 Bis(2-Chloroethyl)ether	93	4.933	4.933	(0.901)	525610	25.0000	22.28
	6 2-Chlorophenol	128	4.922	4.922	(0.899)	543014	25.0000	24.89 (M)
	7 1,3-Dichlorobenzene	146	5.099	5.099	(0.931)	529347	25.0000	22.32 (H)
*	8 1,4-Dichlorobenzene-d4	152	5.179	5.179	(1.000)	284616	20.0000	(MH)
	9 1,4-Dichlorobenzene	146	5.205	5.205	(0.950)	547607	25.0000	22.47 (H)
$	10 1,2-Dichlorobenzene-d4	152	5.478	5.478	(1.058)	331915	25.0000	23.86 (M)
	12 1,2-Dichlorobenzene	146	5.499	5.499	(1.004)	561163	25.0000	23.95
	11 Benzyl alcohol	108	5.585	5.585	(1.078)	333315	25.0000	22.06 (MH)
	14 2,2'-oxybis(1-Chloropropane)	45	5.852	5.852	(1.068)	587671	25.0000	20.34
	13 2-Methylphenol	108	5.927	5.927	(1.082)	509195	25.0000	24.41 (H)
	17 Hexachloroethane	117	5.991	5.991	(1.157)	261519	25.0000	25.35 (M)
	16 N-Nitroso-di-n-propylamine	70	6.076	6.076	(1.109)	484070	25.0000	24.24
	15 4-Methylphenol	108	6.183	6.183	(1.129)	573959	25.0000	26.67
$	18 Nitrobenzene-d5	82	6.167	6.167	(0.834)	686238	25.0000	25.94
	19 Nitrobenzene	77	6.194	6.194	(0.837)	995891	25.0000	34.28
	20 Isophorone	82	6.610	6.610	(0.894)	1137771	25.0000	24.97
	21 2-Nitrophenol	139	6.717	6.717	(0.908)	245731	25.0000	22.99
	22 2,4-Dimethylphenol	107	6.990	6.990	(0.945)	554809	25.0000	24.89
	23 Bis(2-Chloroethoxy)methane	93	7.086	7.086	(0.958)	594567	25.0000	23.42
	24 Benzoic acid	105	7.332	7.332	(0.991)	271427	25.0000	23.07 (M)
	25 2,4-Dichlorophenol	162	7.150	7.150	(0.967)	403038	25.0000	24.76
	26 1,2,4-Trichlorobenzene	180	7.214	7.214	(0.975)	479536	25.0000	25.54
*	27 Naphthalene-d8	136	7.246	7.246	(1.000)	977404	20.0000	(H)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	7.278	7.278	(0.984)	1420582	25.0000	23.91
	29 4-Chloroaniline	127	7.503	7.503	(1.014)	560702	25.0000	23.40
	30 Hexachlorobutadiene	225	7.647	7.647	(1.034)	316870	25.0000	26.86
	31 4-Chloro-3-methylphenol	107	8.421	8.421	(1.139)	457705	25.0000	24.89
	32 2-Methylnaphthalene	141	8.389	8.389	(1.134)	787851	25.0000	24.52 (H)
	33 Hexachlorocyclopentadiene	237	8.785	8.785	(0.876)	164818	25.0000	22.68
	34 2,4,6-Trichlorophenol	196	8.956	8.956	(0.893)	307963	25.0000	25.40
	35 2,4,5-Trichlorophenol	196	9.020	9.020	(0.900)	326717	25.0000	25.93
$	36 2-Fluorobiphenyl	172	9.068	9.068	(0.905)	996105	25.0000	24.51
	37 2-Chloronaphthalene	162	9.132	9.132	(0.911)	880293	25.0000	24.65
	38 2-Nitroaniline	65	9.426	9.426	(0.940)	362280	25.0000	24.87
	39 Dimethylphthalate	163	9.853	9.853	(0.983)	911820	25.0000	24.06
	40 Acenaphthylene	152	9.768	9.768	(0.974)	1319532	25.0000	23.90
	41 2,6-Dinitrotoluene	165	9.912	9.912	(0.989)	204331	25.0000	23.65
*	42 Acenaphthene-d10	164	10.024	10.024	(1.000)	544393	20.0000	
	43 3-Nitroaniline	138	10.094	10.094	(1.007)	215106	25.0000	23.30
	44 Acenaphthene	153	10.072	10.072	(1.005)	874484	25.0000	25.02
	45 2,4-Dinitrophenol	184	10.259	10.259	(1.023)	27183	25.0000	16.21 (M)
	46 Dibenzofuran	168	10.329	10.329	(1.030)	1262396	25.0000	26.25
	47 4-Nitrophenol	109	10.558	10.558	(1.053)	179820	25.0000	29.93
	48 2,4-Dinitrotoluene	165	10.500	10.500	(1.047)	258374	25.0000	23.57
	50 Diethylphthalate	149	10.991	10.991	(1.096)	908775	25.0000	24.83
	49 Fluorene	166	10.863	10.863	(1.084)	969937	25.0000	24.86
	51 4-Chlorophenyl-phenylether	204	10.959	10.959	(1.093)	527546	25.0000	25.74
	52 4-Nitroaniline	138	11.060	11.060	(1.103)	186168	25.0000	22.97
	53 4,6-Dinitro-2-methylphenol	198	11.130	11.130	(0.905)	100532	25.0000	20.96
	54 N-Nitrosodiphenylamine	169	11.183	11.183	(0.910)	748909	25.0000	26.45
$	55 2,4,6-Tribromophenol	330	11.290	11.290	(1.126)	126997	25.0000	24.26
	56 4-Bromophenyl-phenylether	248	11.696	11.696	(0.951)	306031	25.0000	26.45
	57 Hexachlorobenzene	284	11.851	11.851	(0.964)	304467	25.0000	25.10
	58 Pentachlorophenol	266	12.193	12.193	(0.992)	179265	25.0000	27.14
*	59 Phenanthrene-d10	188	12.294	12.294	(1.000)	824403	20.0000	
	60 Phenanthrene	178	12.327	12.327	(1.003)	1367543	25.0000	24.92
	61 Anthracene	178	12.396	12.396	(1.008)	1365109	25.0000	24.78
	62 Carbazole	167	12.733	12.733	(1.036)	1113519	25.0000	25.11
	63 Di-n-butylphthalate	149	13.577	13.577	(1.104)	1372664	25.0000	25.84
	64 Fluoranthene	202	14.180	14.180	(1.153)	1419302	25.0000	26.23
	65 Pyrene	202	14.501	14.501	(0.882)	1536524	25.0000	22.41
$	66 Terphenyl-d14	244	14.934	14.934	(0.908)	988315	25.0000	22.93
	67 Butylbenzylphthalate	149	15.884	15.884	(0.966)	628448	25.0000	24.71
	68 Benzo(a)anthracene	228	16.424	16.424	(0.999)	1508362	25.0000	24.54
*	69 Chrysene-d12	240	16.445	16.445	(1.000)	813838	20.0000	
	70 3,3'-Dichlorobenzidine	252	16.525	16.525	(1.005)	495572	25.0000	22.36
	71 Chrysene	228	16.483	16.483	(1.002)	1477641	25.0000	24.20
	72 bis(2-Ethylhexyl)phthalate	149	16.931	16.931	(0.949)	798744	25.0000	25.55
*	134 Di-n-octylphthalate-d4	153	17.850	17.850	(1.000)	1238353	20.0000	
	73 Di-n-octylphthalate	149	17.856	17.856	(1.000)	1453829	25.0000	24.58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	18.021	18.021	(0.974)	1493752	25.0000	27.16
75	Benzo(k)fluoranthene	252	18.048	18.048	(0.975)	1755368	25.0000	30.86(M)
76	Benzo(a)pyrene	252	18.427	18.427	(0.996)	1421268	25.0000	26.85
* 77	Perylene-d12	264	18.507	18.507	(1.000)	837816	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	19.827	19.827	(1.071)	1509639	25.0000	23.44
79	Dibenzo(a,h)anthracene	278	19.875	19.875	(1.074)	1612117	25.0000	25.48
80	Benzo(g,h,i)perylene	276	20.099	20.099	(1.086)	1663386	25.0000	24.66
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
91	Aniline	93	4.751	4.751	(0.867)	846702	25.0000	22.62
105	1-methylnaphthalene	141	8.550	8.550	(1.156)	808544	25.0000	24.07
93	Benzidine	184	14.527	14.527	(0.883)	401423	25.0000	17.03
98	Retene	219	15.131	15.131	(0.920)	654433	25.0000	22.05
111	Azobenzene (1,2-DP-Hydrazine)	77	11.194	11.194	(1.117)	1509512	25.0000	28.34
144	alpha-Terpineol	59	7.396	7.396	(1.000)	432983	25.0000	24.22
143	1,4-Dioxane	88	Compound Not Detected.					
$ 137	d8-1,4-Dioxane	96	Compound Not Detected.					
133	Butylatedhydroxytoluene	205	10.334	10.334	(1.031)	813076	25.0000	26.39
115	Tributyl Phosphate	99	11.424	11.424	(0.929)	1025308	25.0000	24.76
116	Dibutyl Phenyl Phosphate	175	13.042	13.042	(1.061)	830861	25.0000	25.79
117	Butyl Diphenyl Phosphate	94	14.634	14.634	(0.890)	255594	25.0000	21.82
118	Triphenyl Phosphate	326	16.162	16.162	(0.983)	204479	25.0000	21.06

QC Flag Legend

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

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: cc0808.d
Lab Smp Id: ABN 25
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060808.b/SW846.m
Misc Info:

Calibration Date: 08-AUG-2006
Calibration Time: 13:13

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	284616	142308	569232	284616	0.00
27 Naphthalene-d8	977404	488702	1954808	977404	0.00
42 Acenaphthene-d10	544393	272196	1088786	544393	0.00
59 Phenanthrene-d10	824403	412202	1648806	824403	0.00
69 Chrysene-d12	813838	406919	1627676	813838	0.00
134 Di-n-octylphthala	1238353	619176	2476706	1238353	0.00
77 Perylene-d12	837816	418908	1675632	837816	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.18	4.68	5.68	5.18	0.00
27 Naphthalene-d8	7.25	6.75	7.75	7.25	0.00
42 Acenaphthene-d10	10.02	9.52	10.52	10.02	0.00
59 Phenanthrene-d10	12.29	11.79	12.79	12.29	0.00
69 Chrysene-d12	16.45	15.95	16.95	16.45	0.00
134 Di-n-octylphthala	17.85	17.35	18.35	17.85	0.00
77 Perylene-d12	18.51	18.01	19.01	18.51	0.00

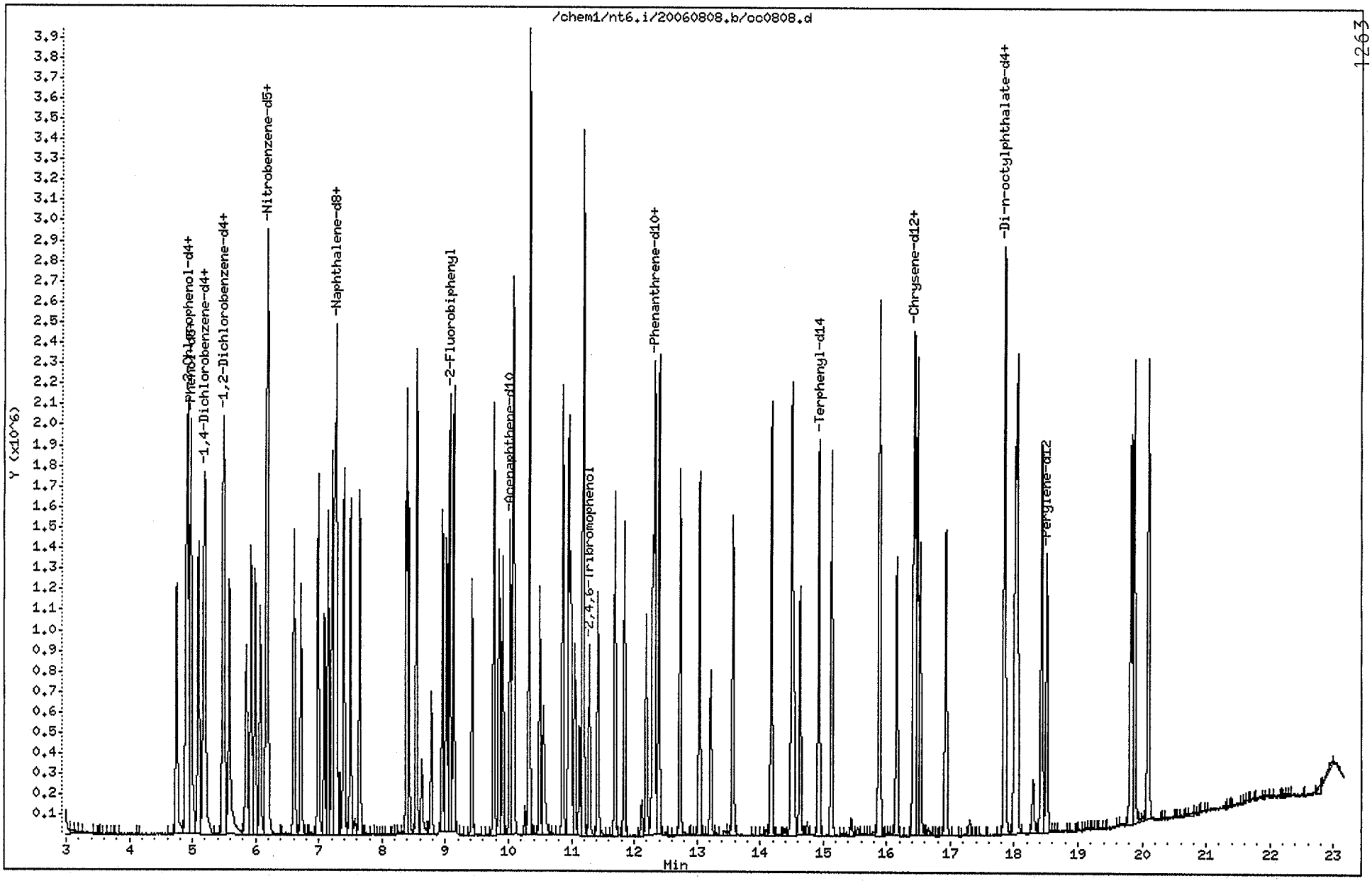
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060808.b/cc0808.d
Date : 08-AUG-2006 13:13
Client ID:
Sample Info: ABN 25

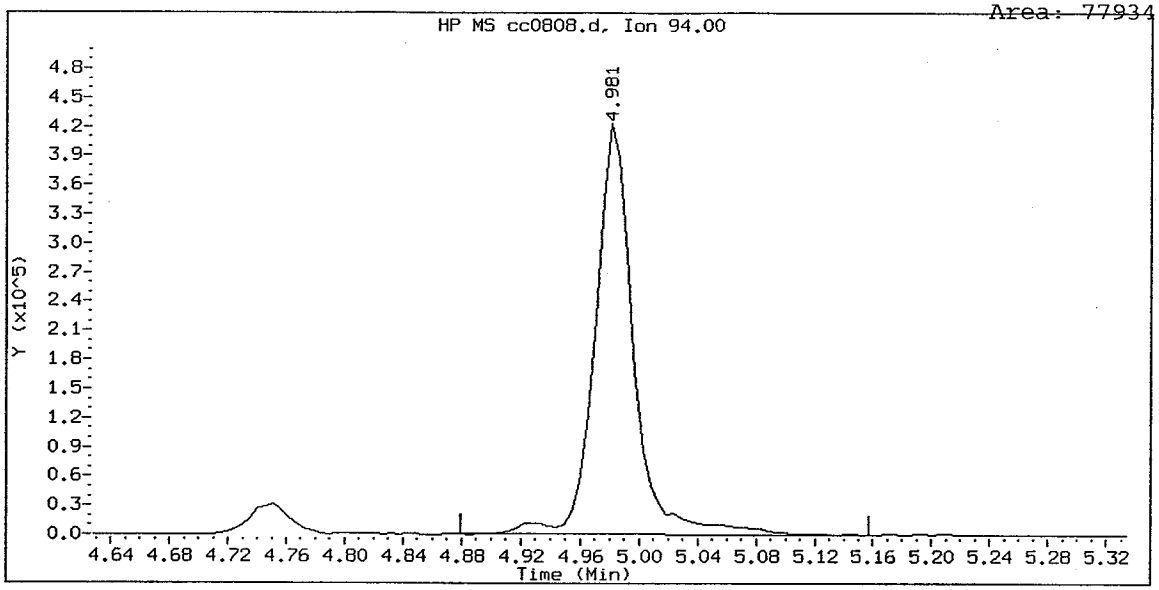
Instrument: nt6.i

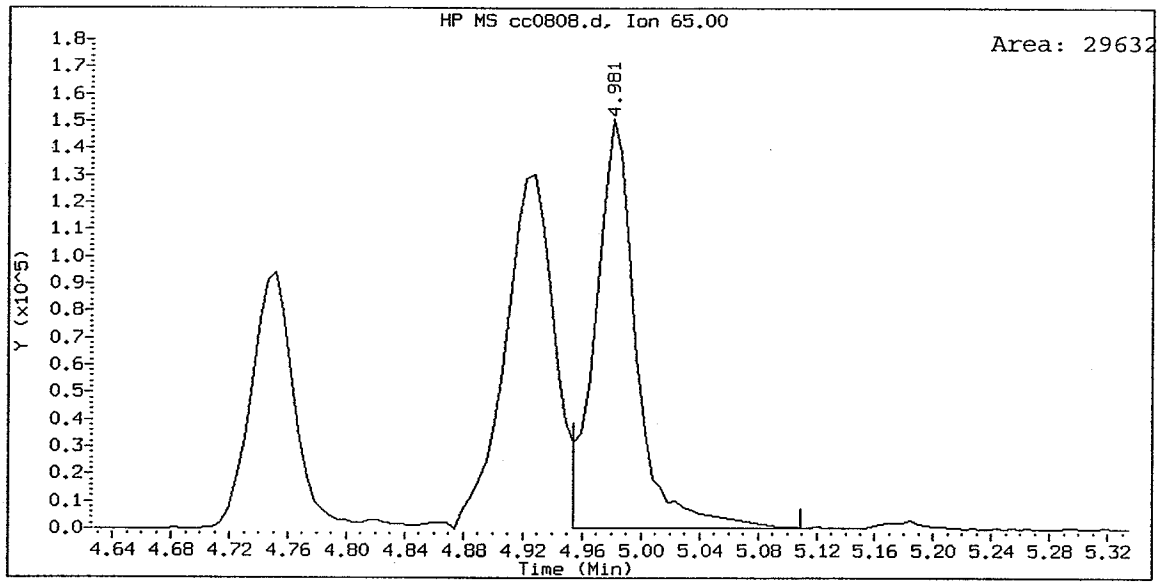
Operator: LJR
Column diameter: 0.32

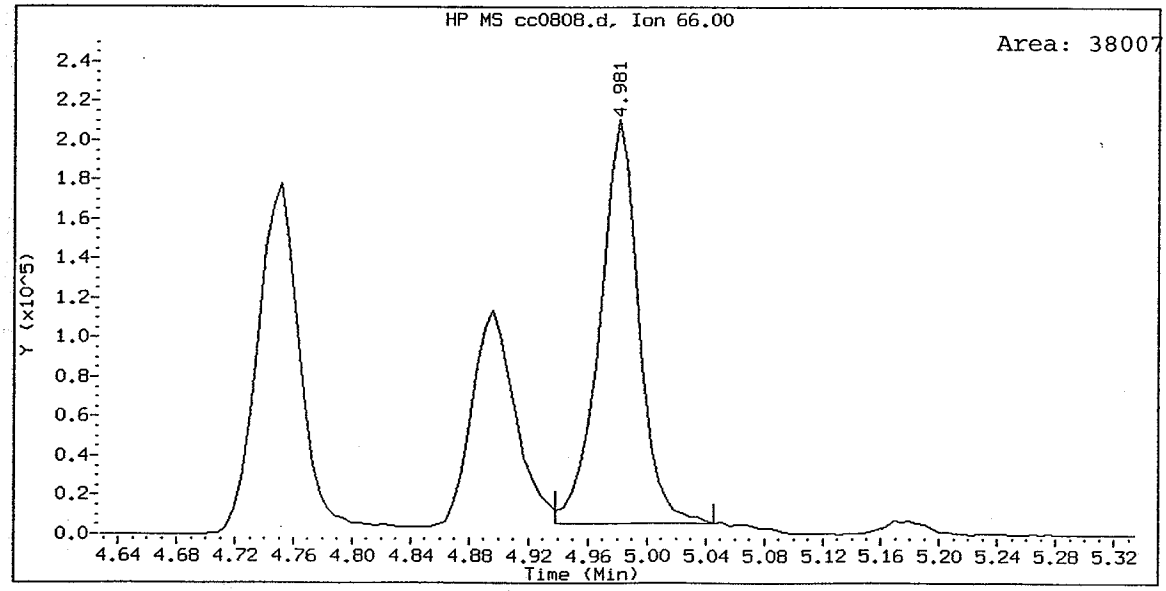
Column phase: ZB-5



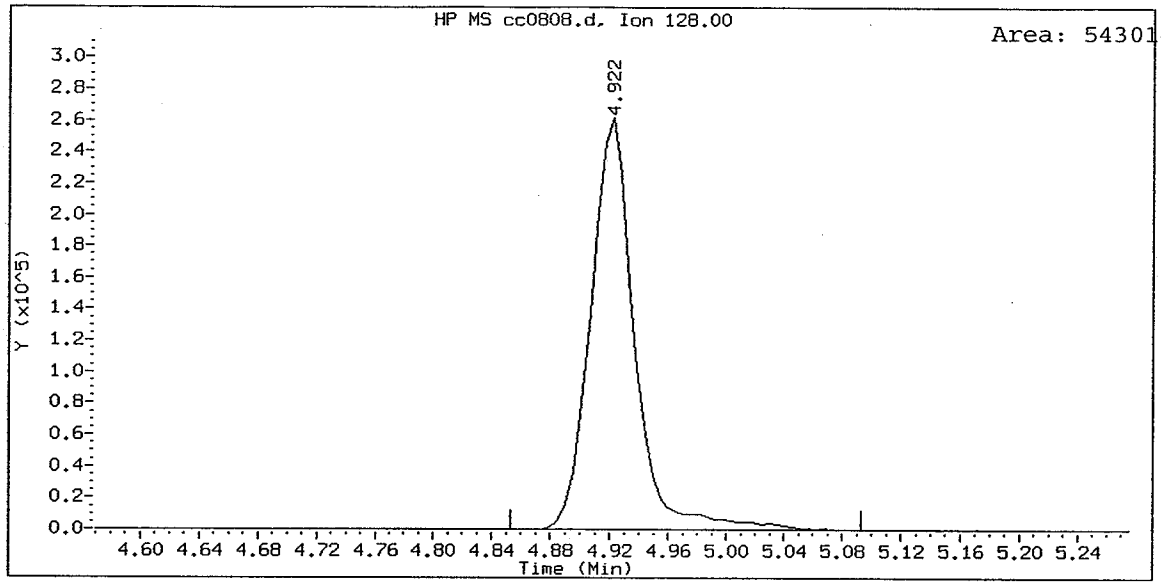
ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
Phenol Amount: 24.58

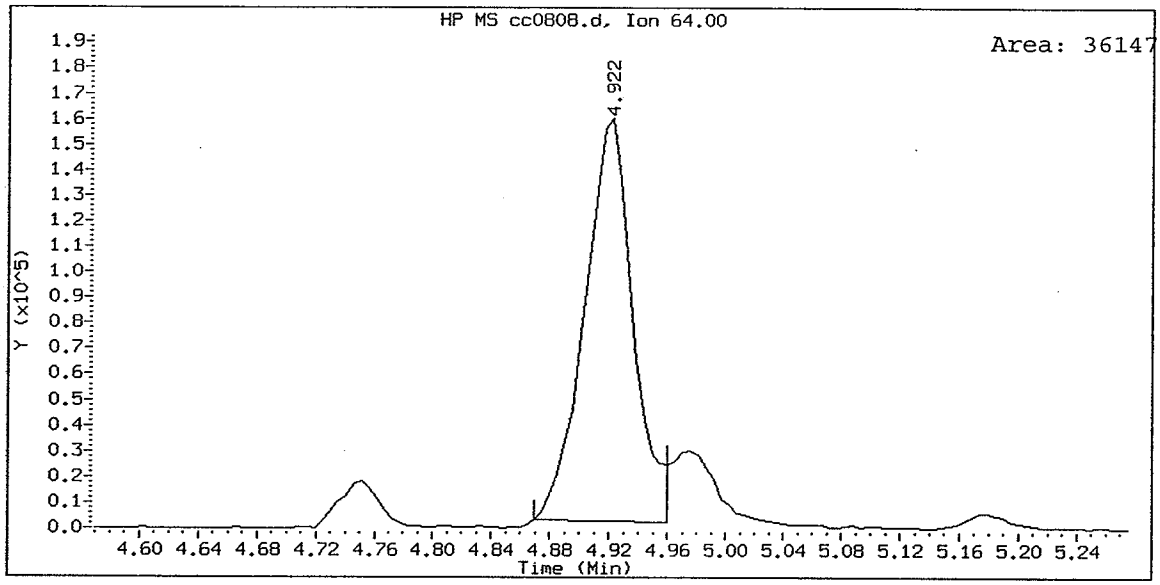


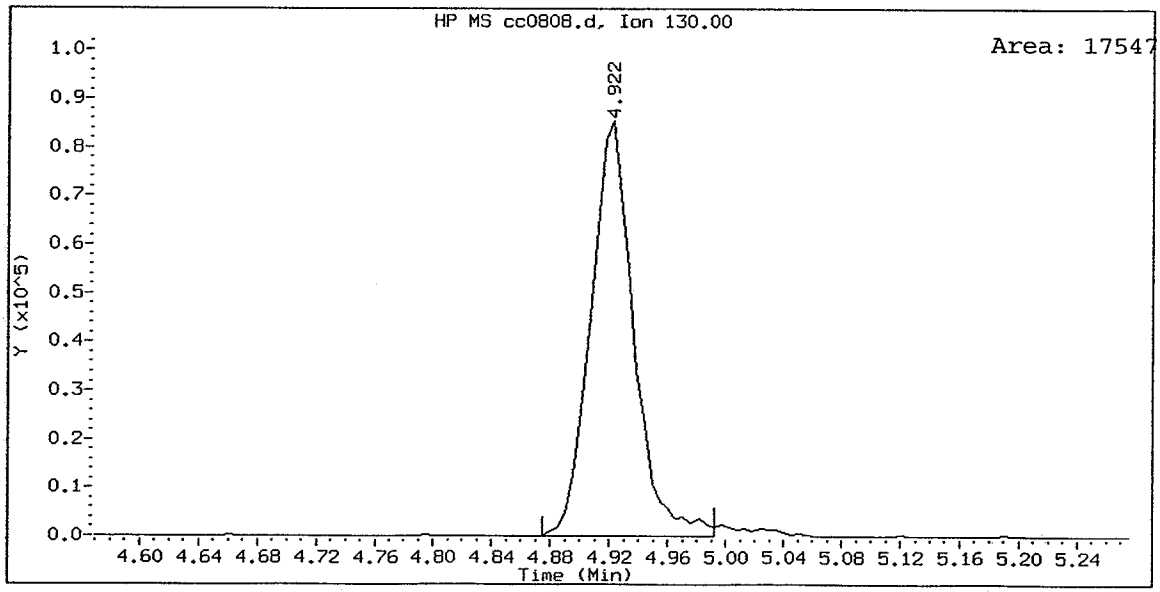




ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
2-Chlorophenol Amount: 24.89







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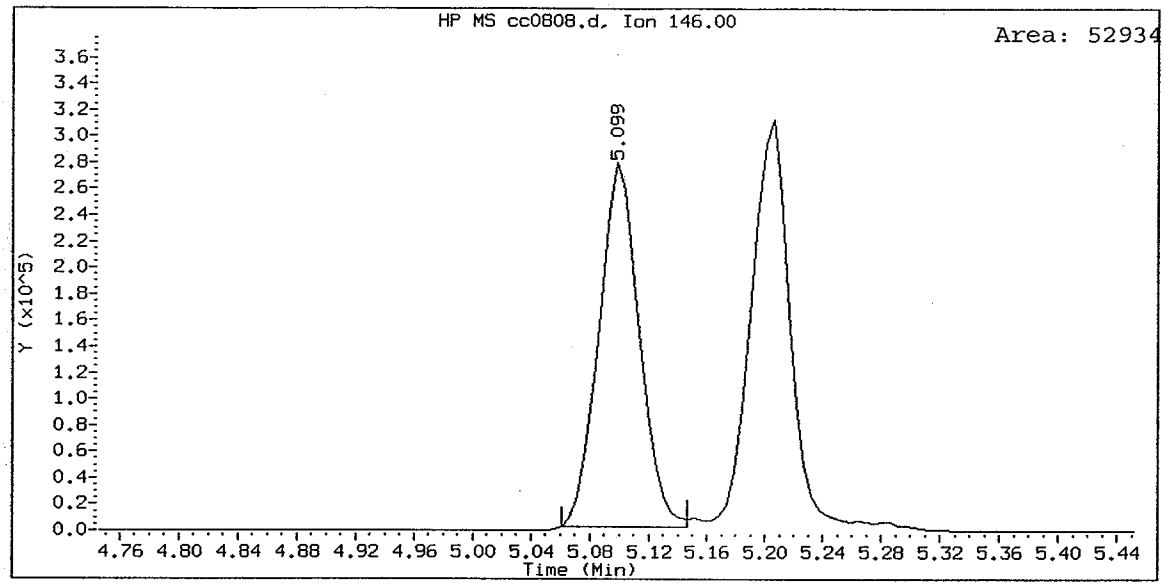
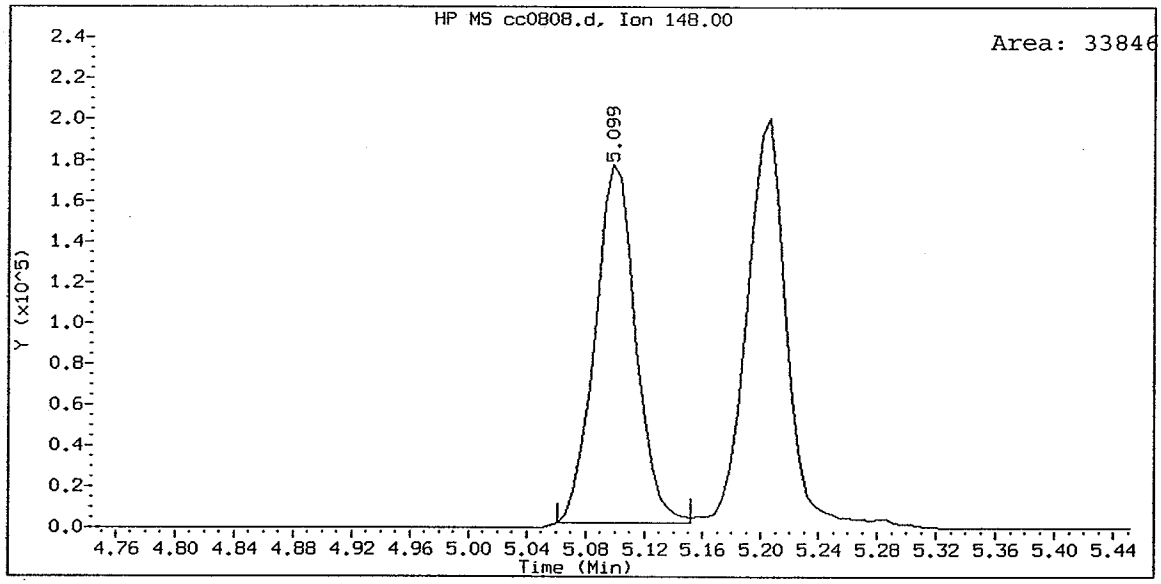
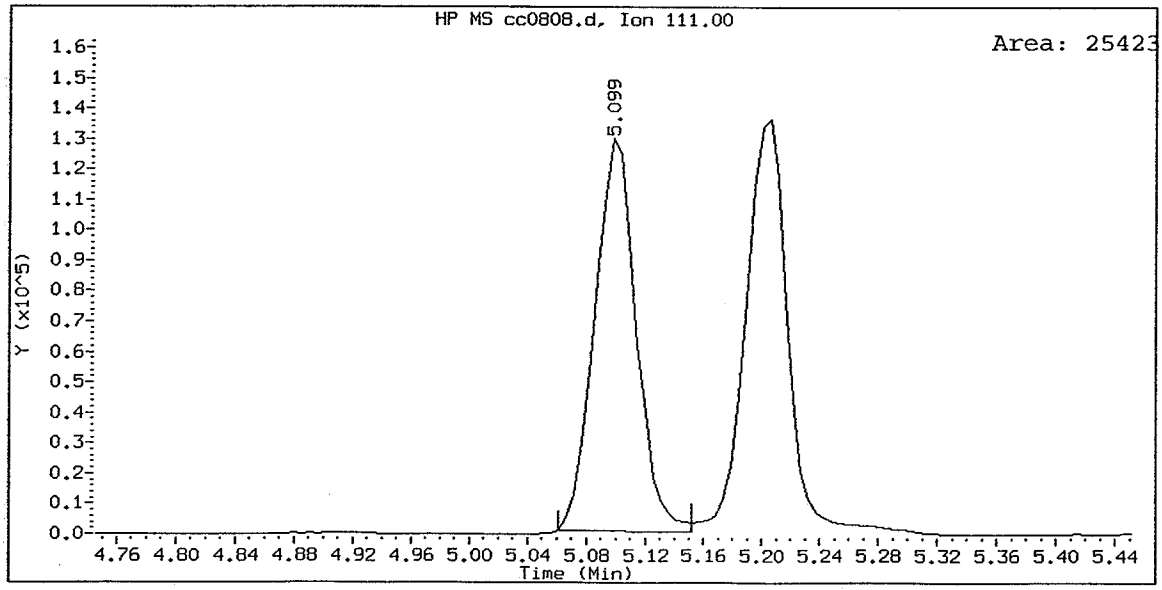
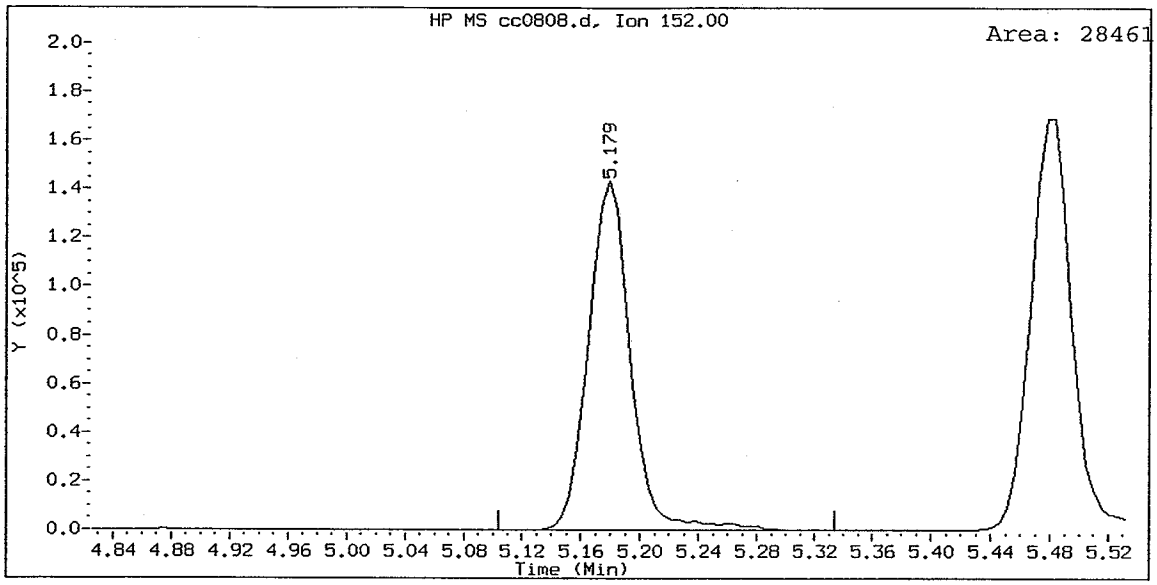
1,3-Dichlorobenzene Amount: 22.32

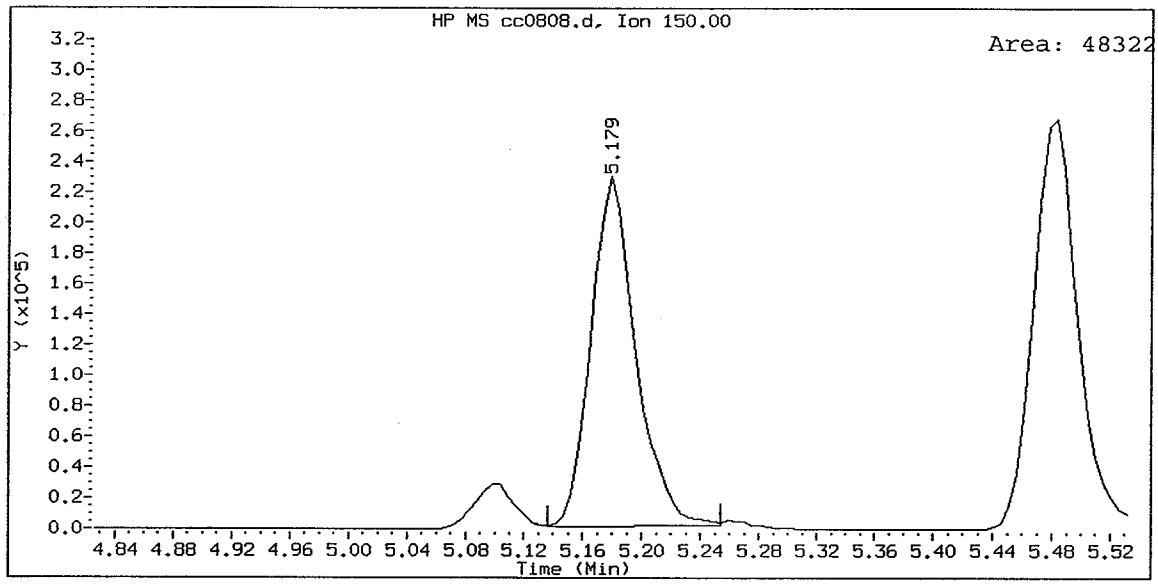


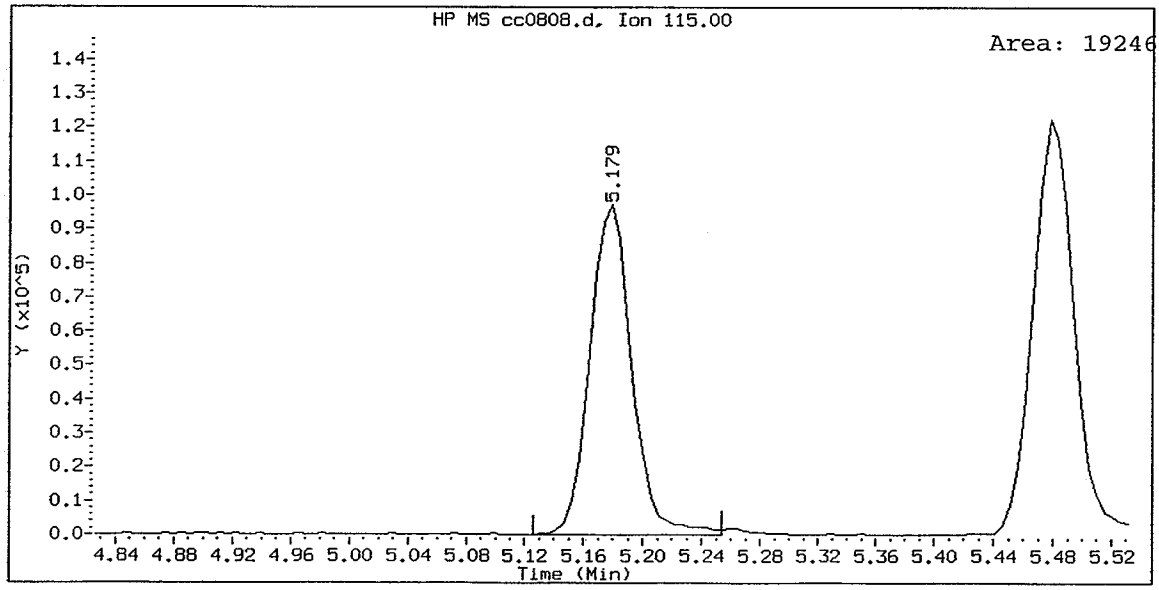




ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
1,4-Dichlorobenzene-d4 Amount: 20.00







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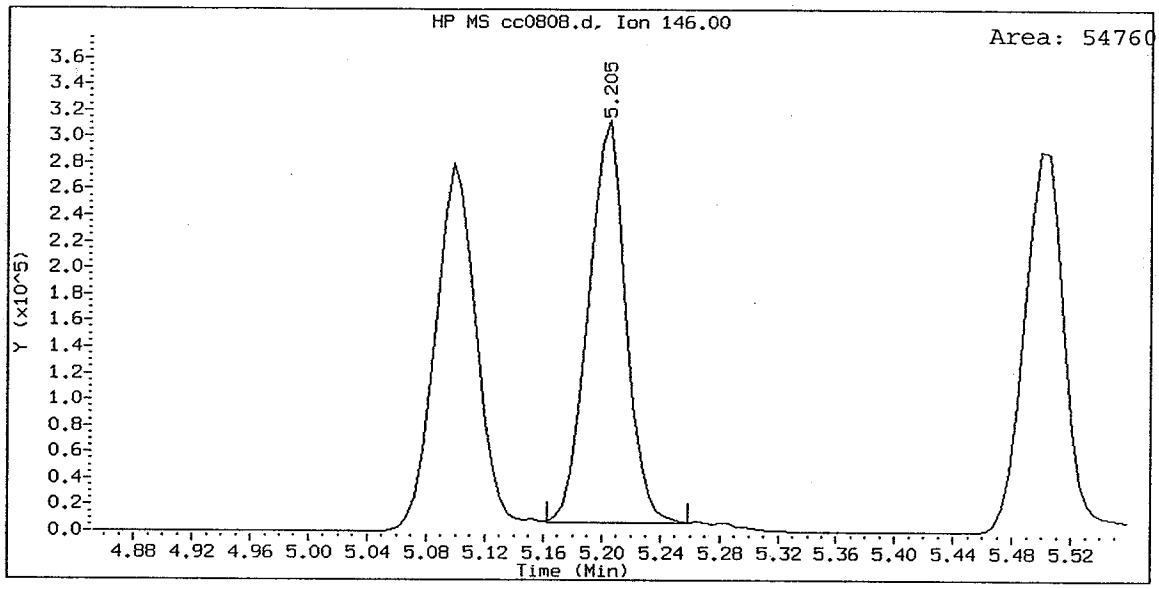
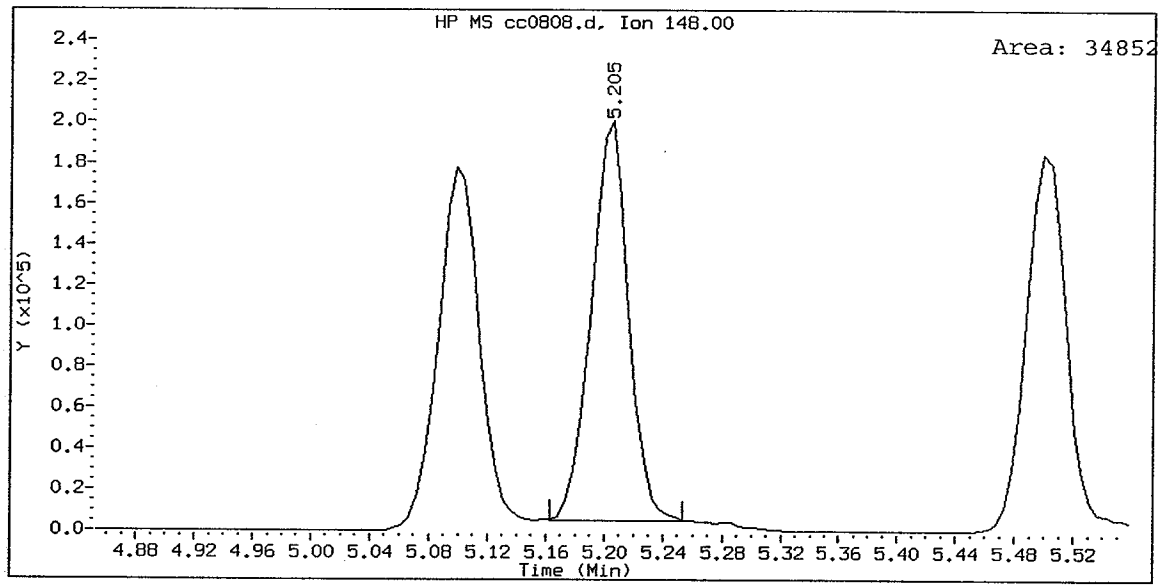
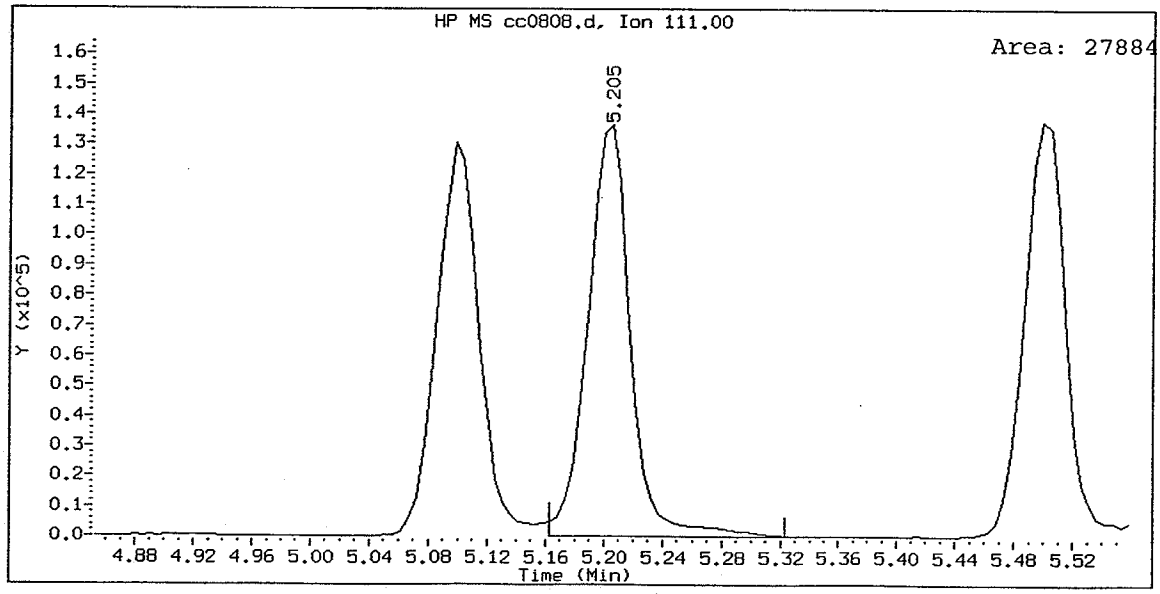
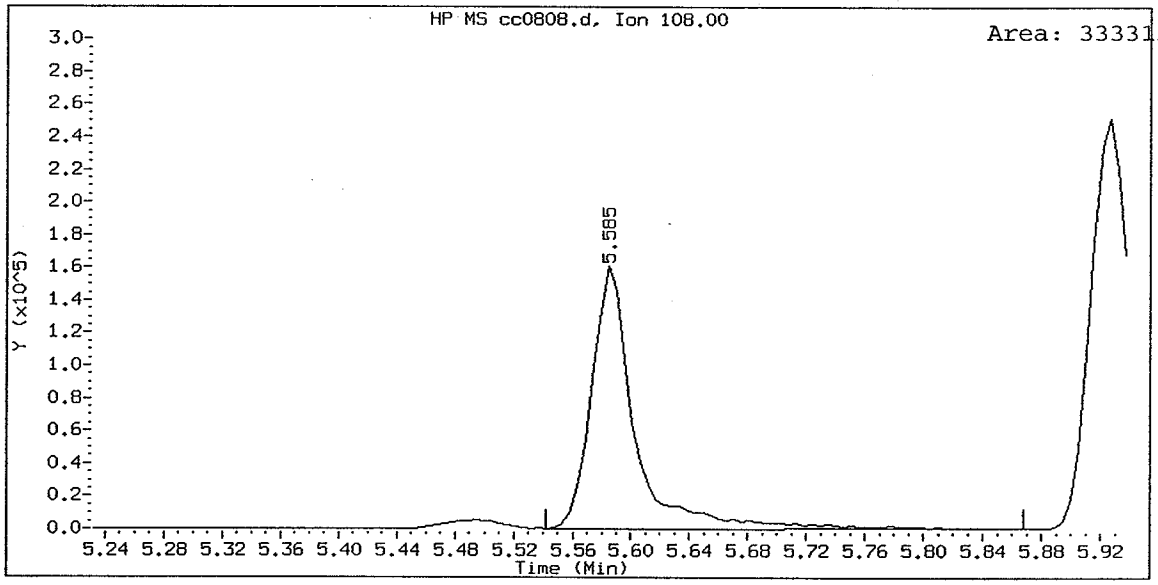
1,4-Dichlorobenzene Amount: 22.47

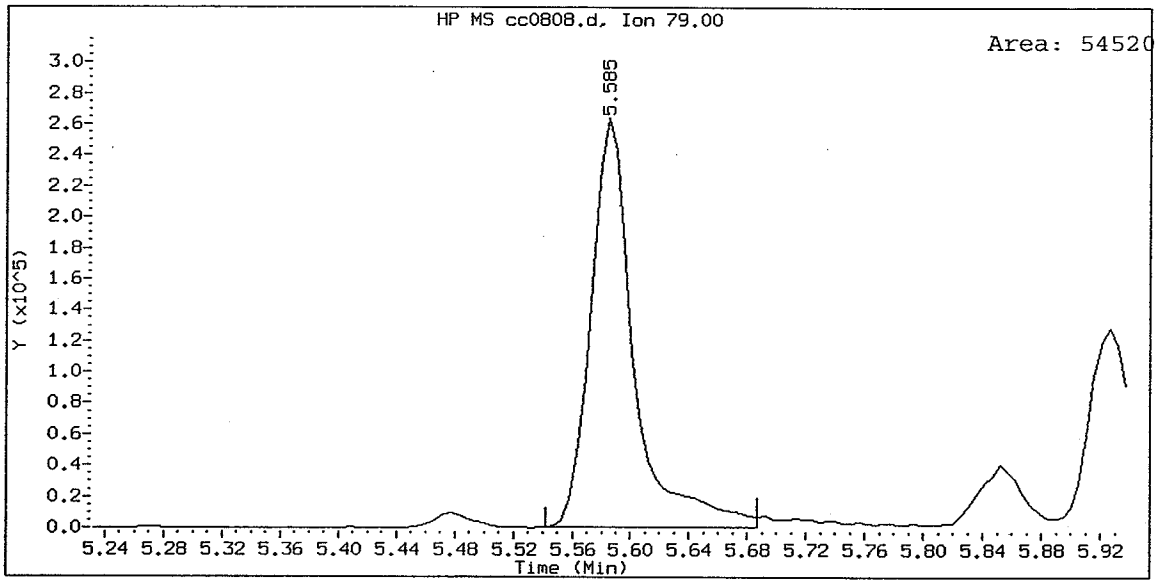


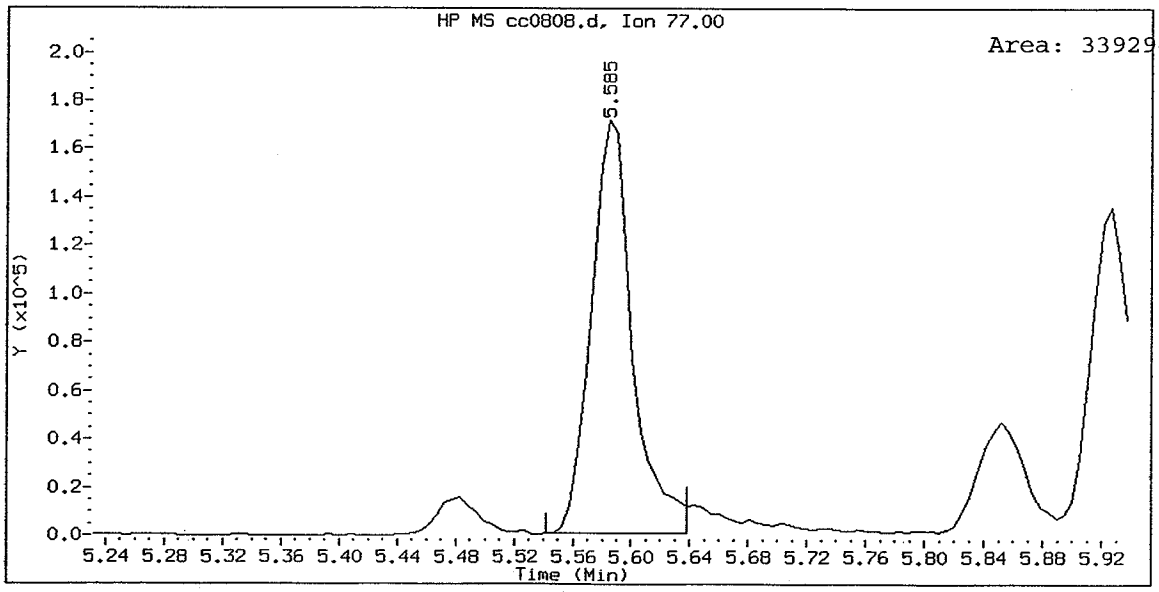




ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
Benzyl alcohol Amount: 22.06







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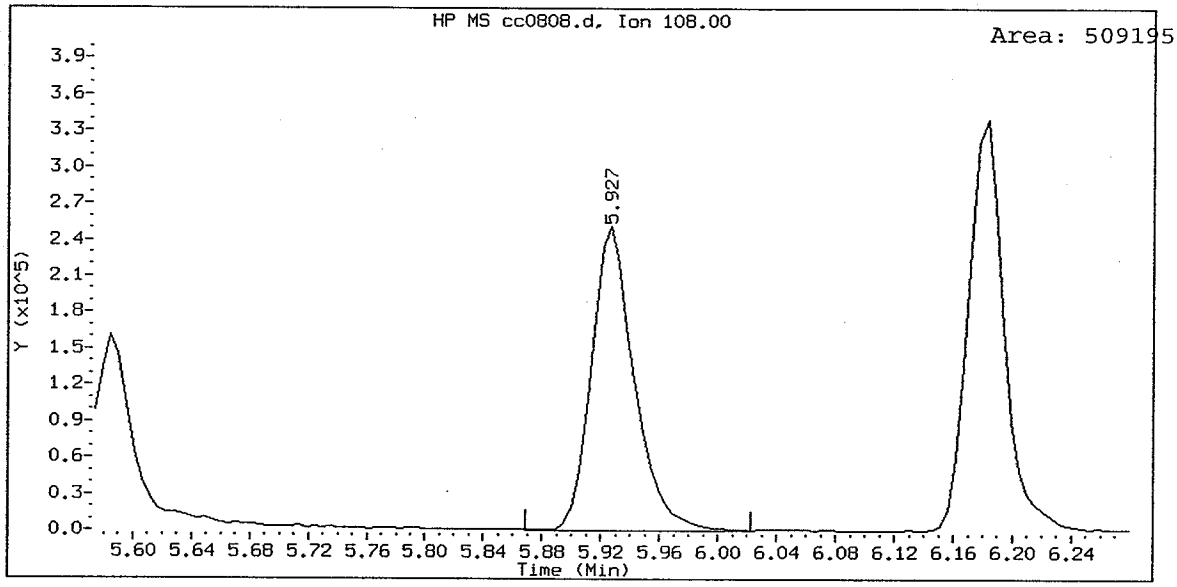
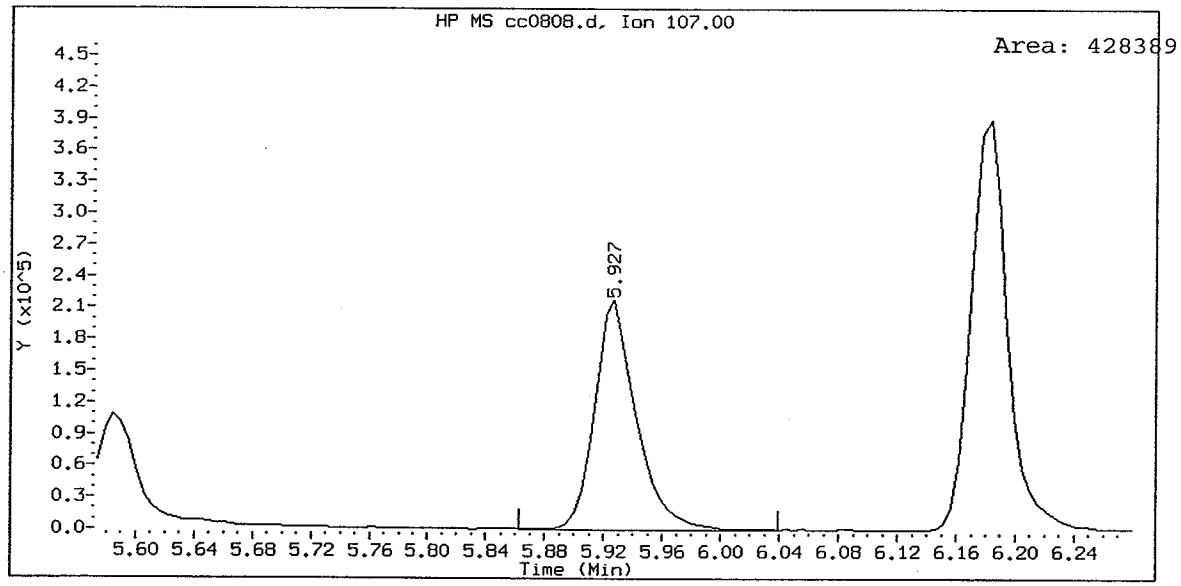
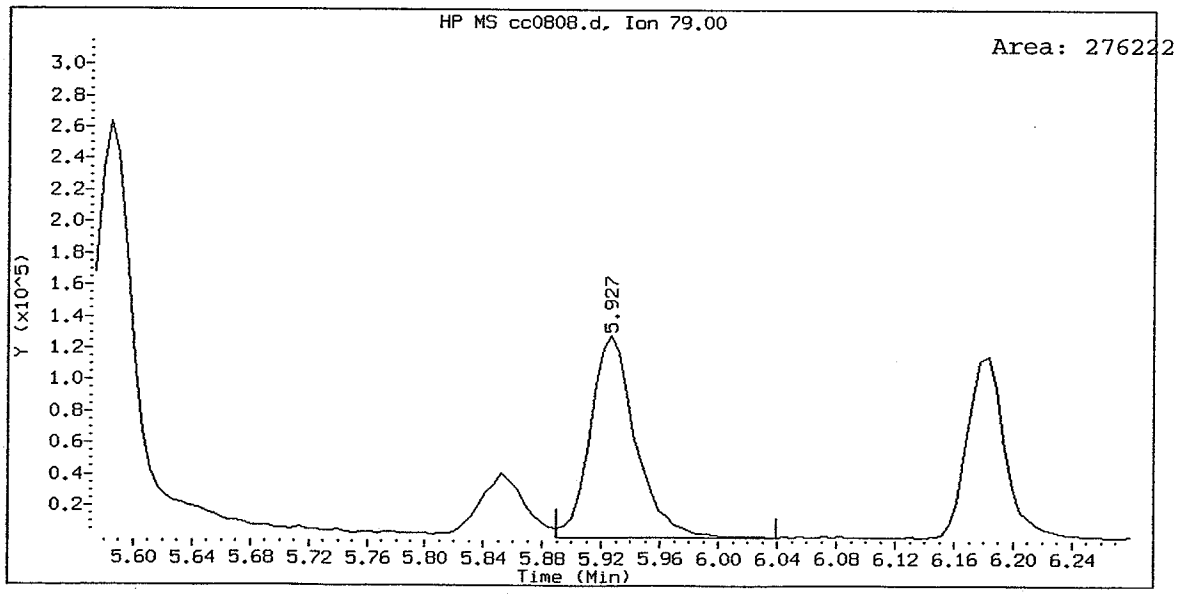
2-Methylphenol Amount: 24.41







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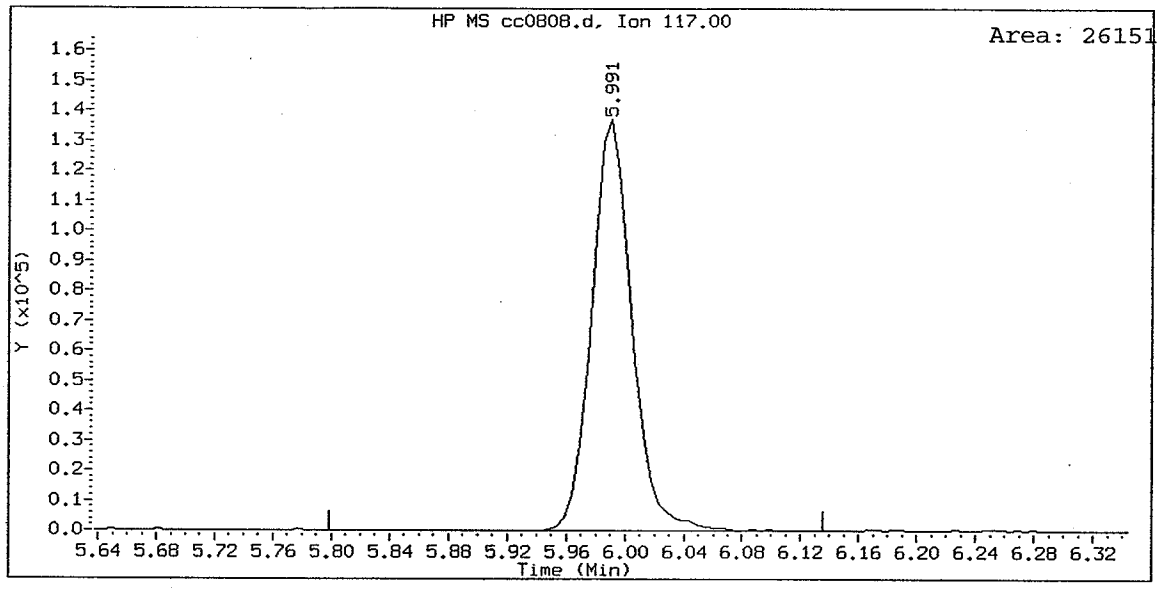
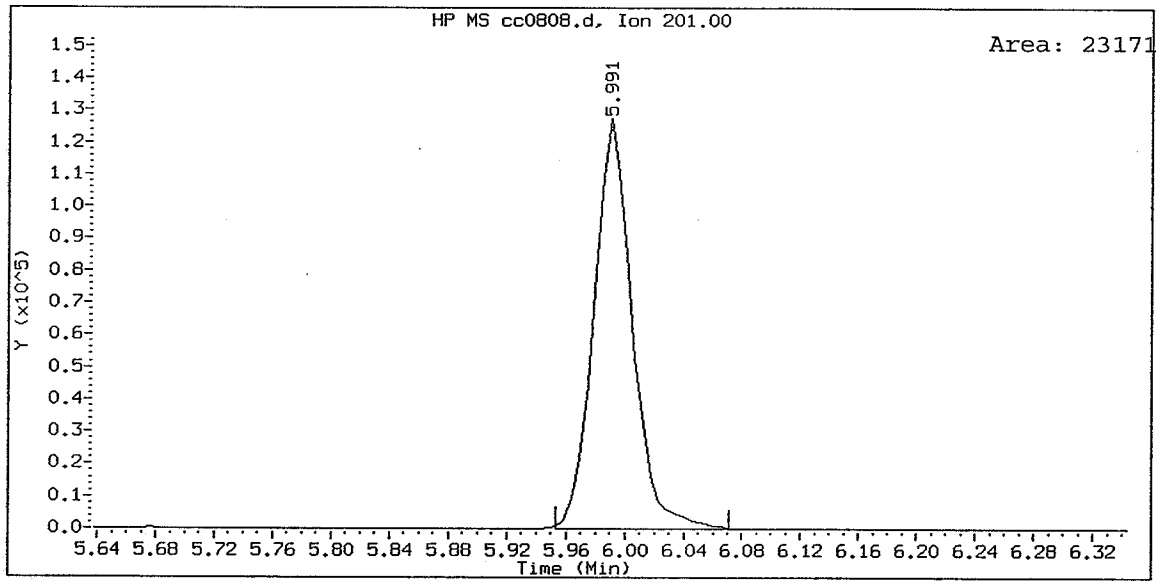
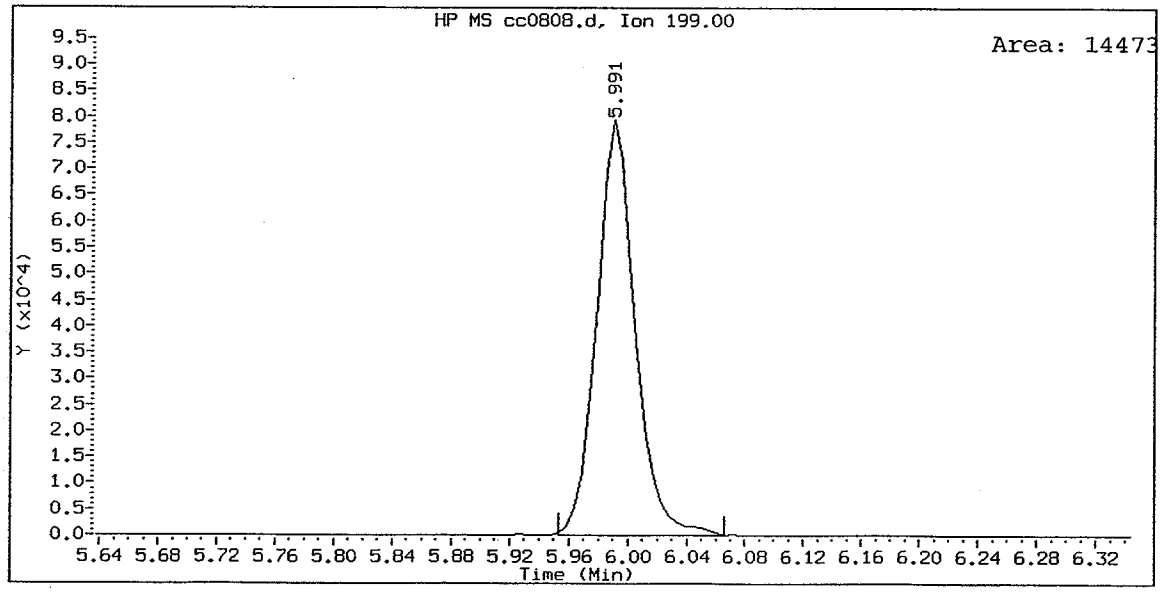
Hexachloroethane Amount: 25.35







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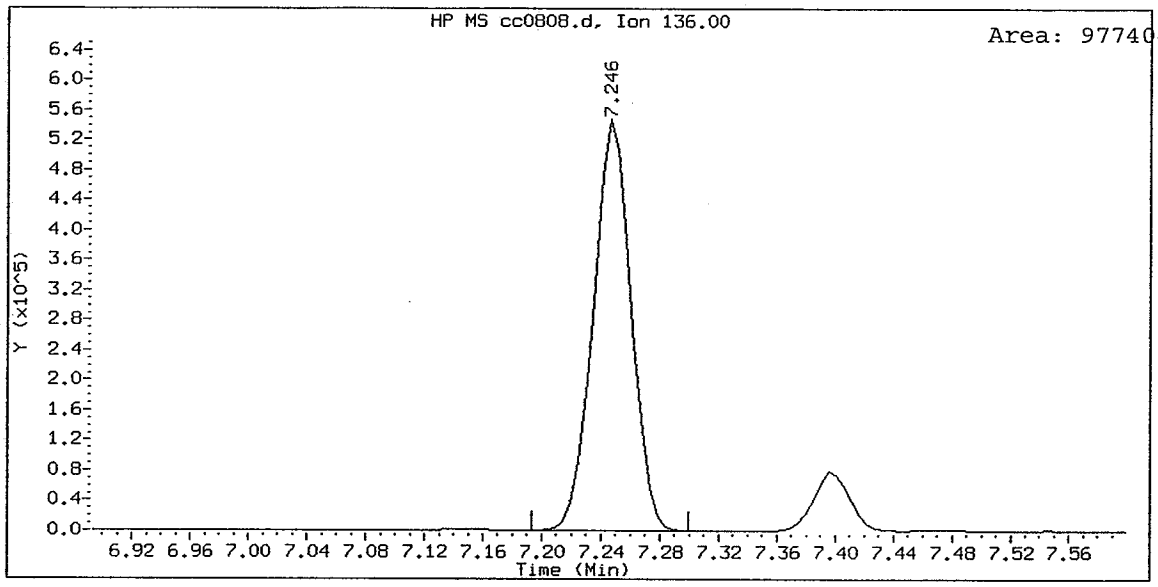
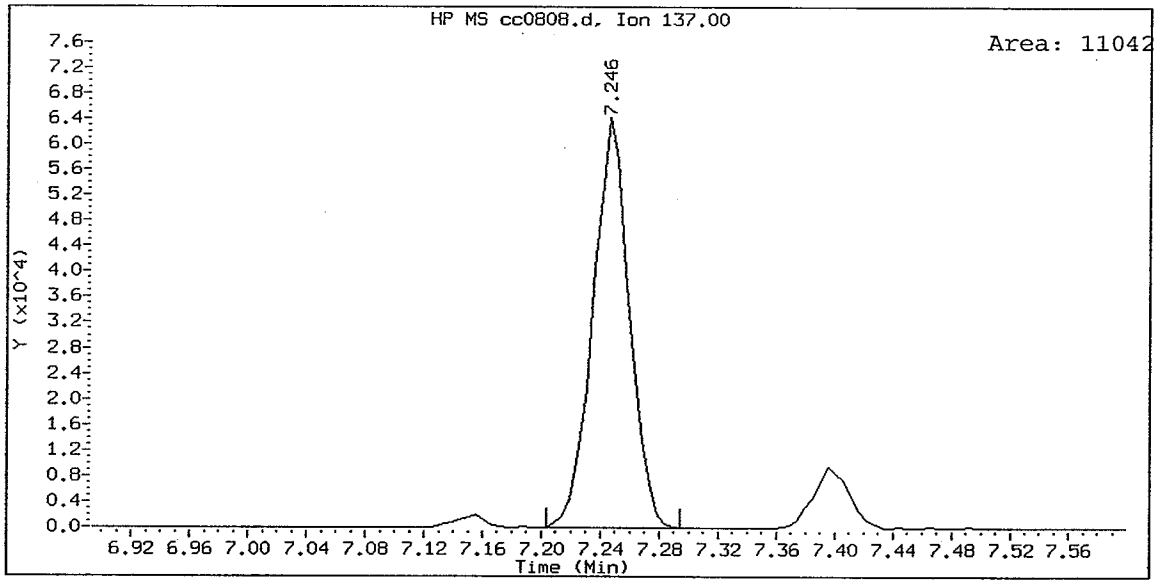
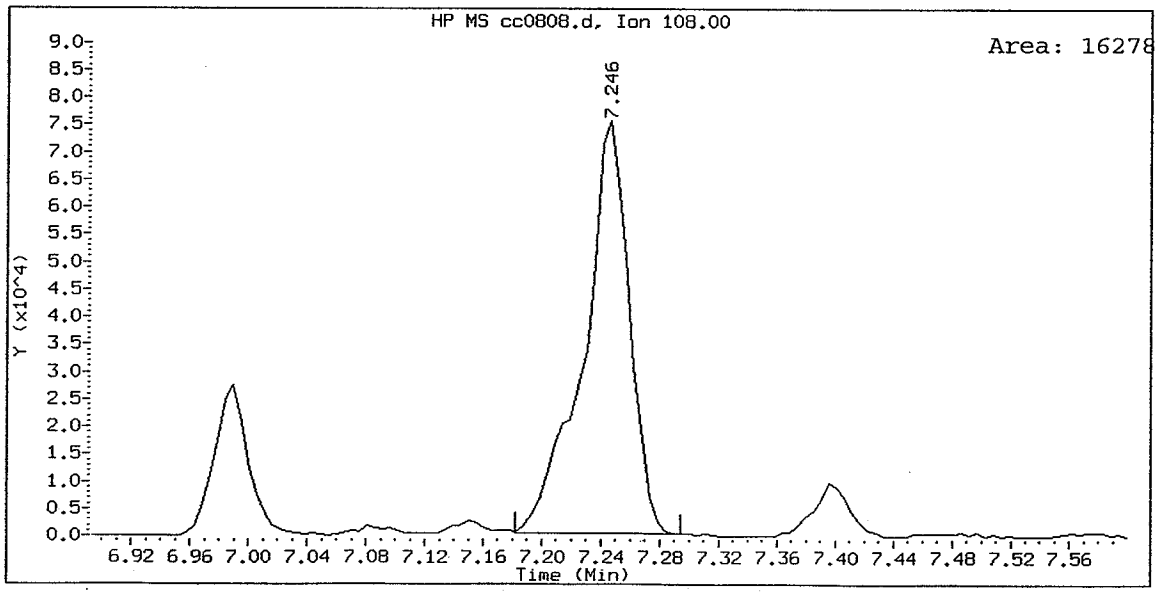
Naphthalene-d8 Amount: 20.00







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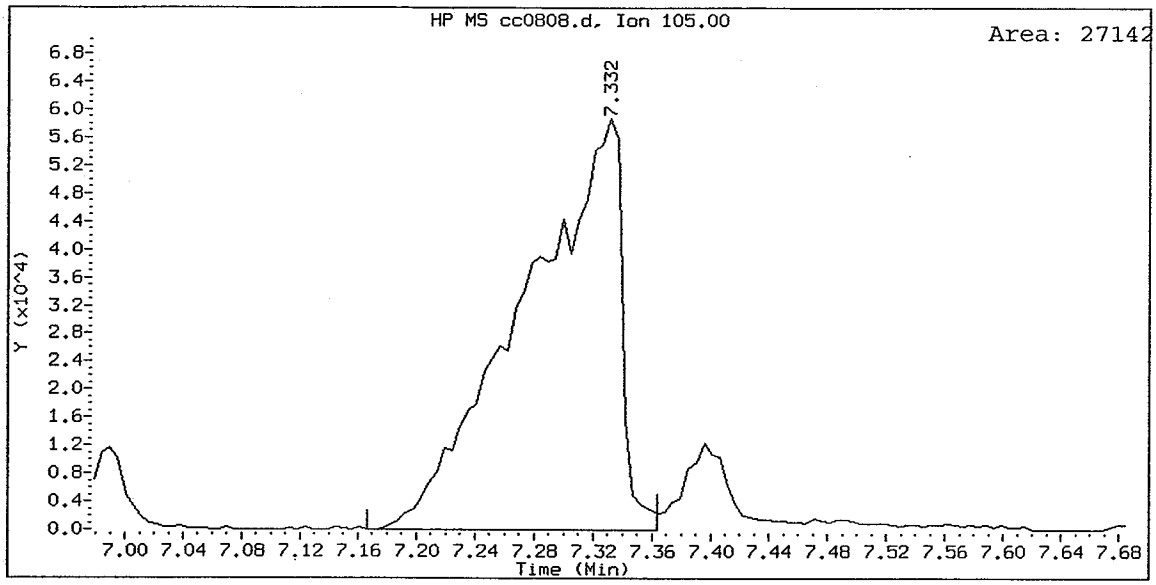
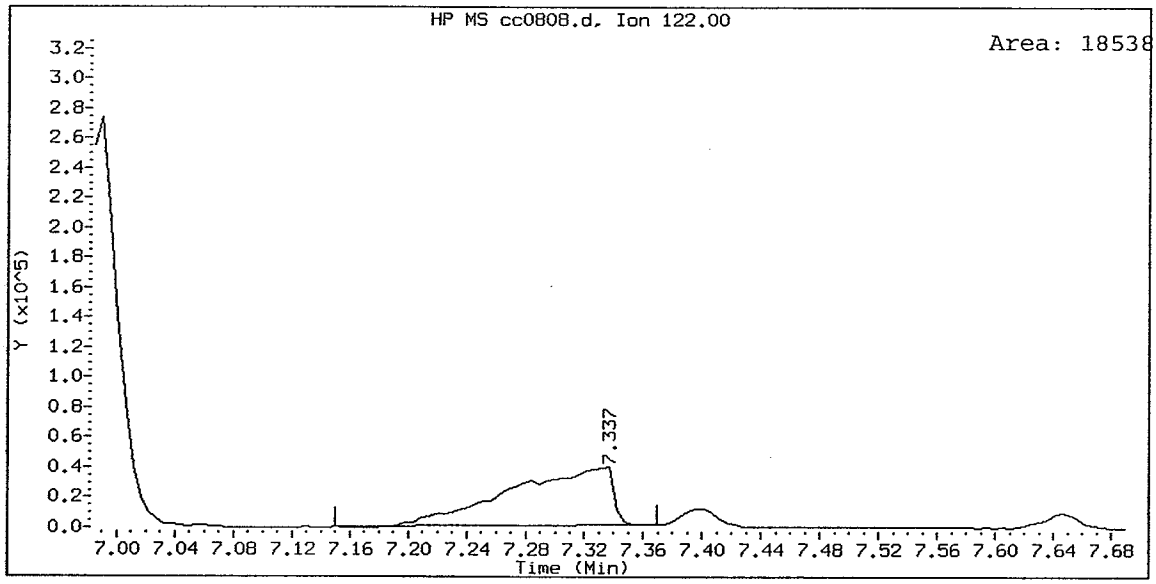
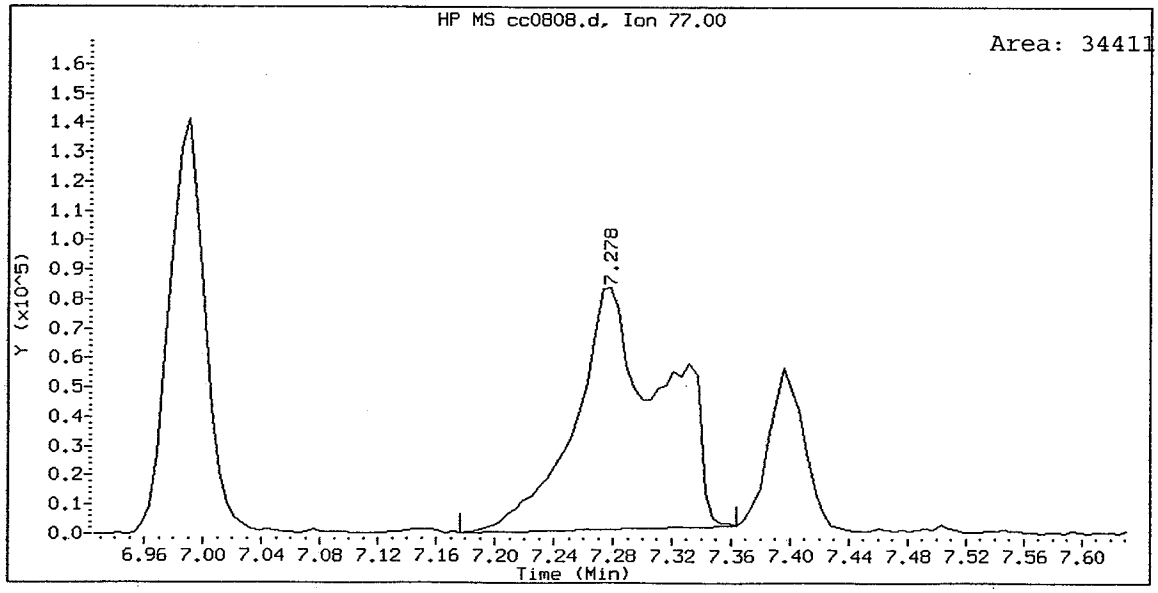
Benzoic acid Amount: 23.07







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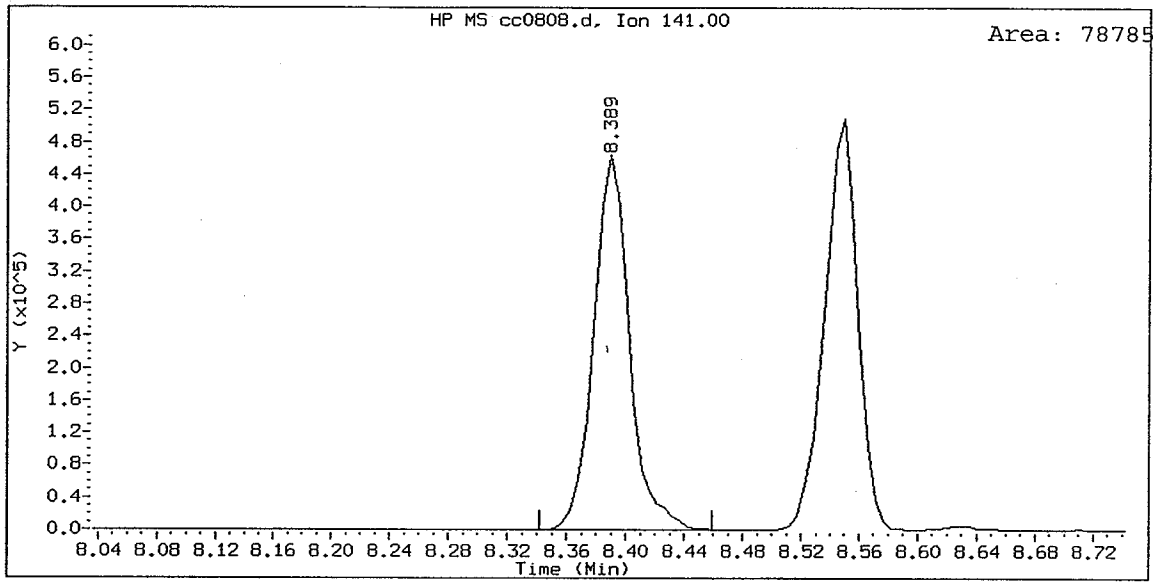
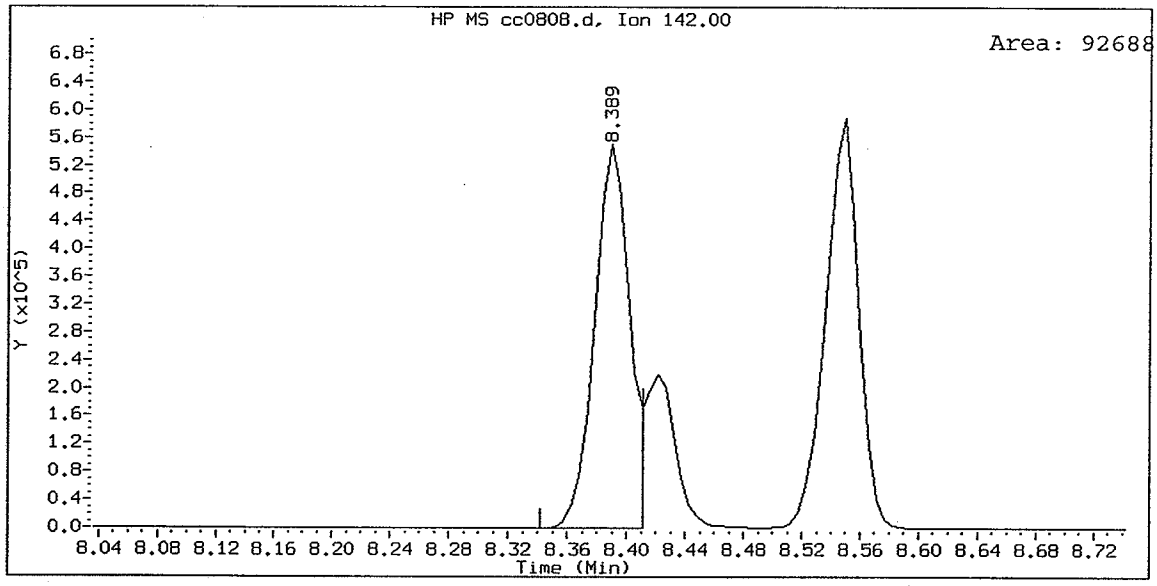
2-Methylnaphthalene Amount: 24.52





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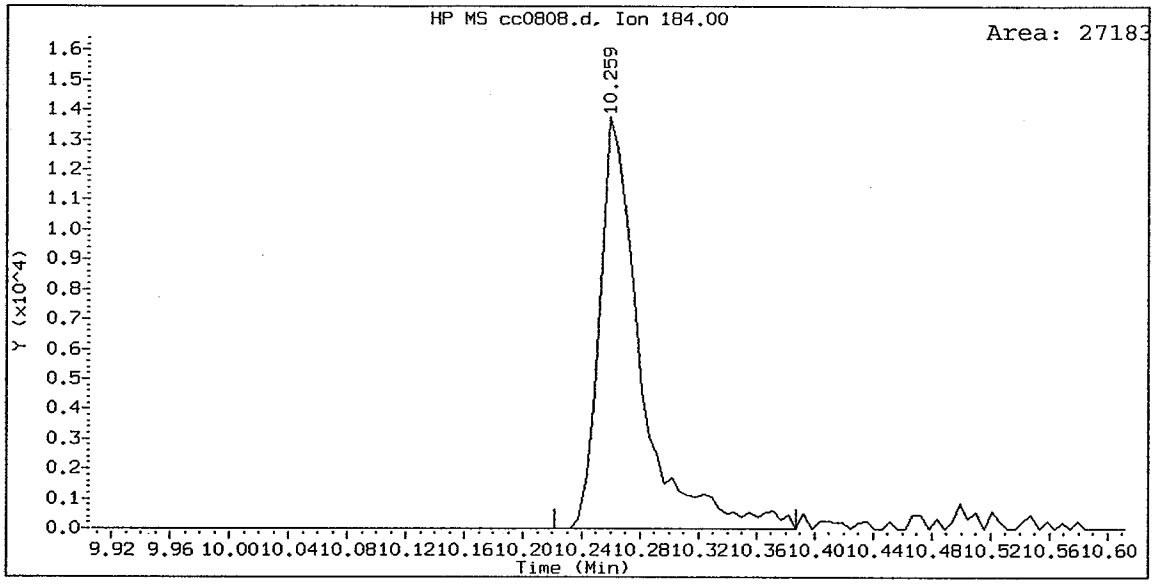
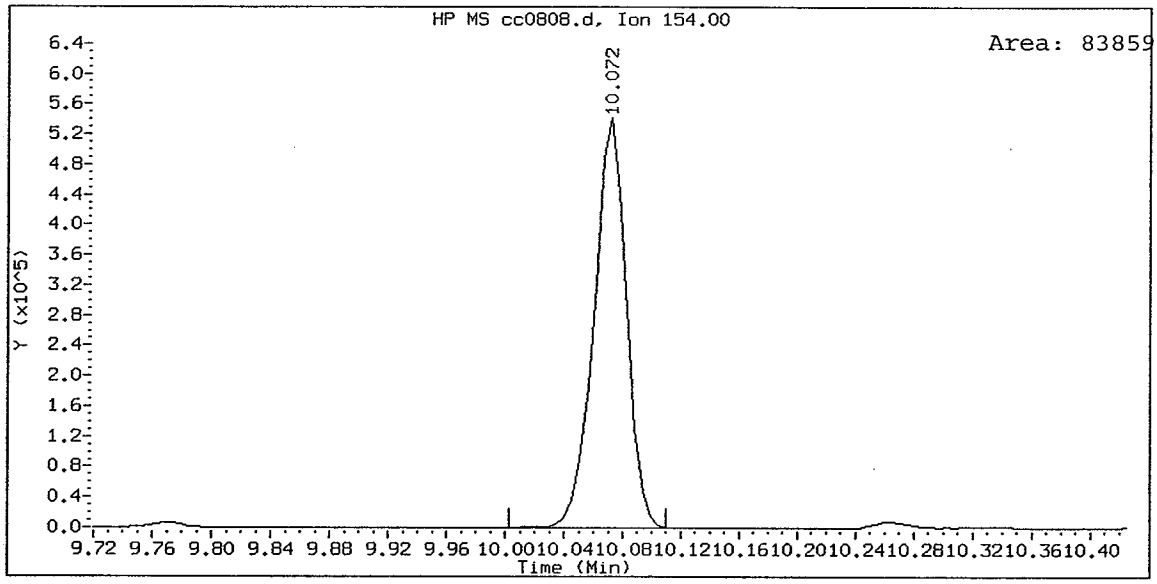
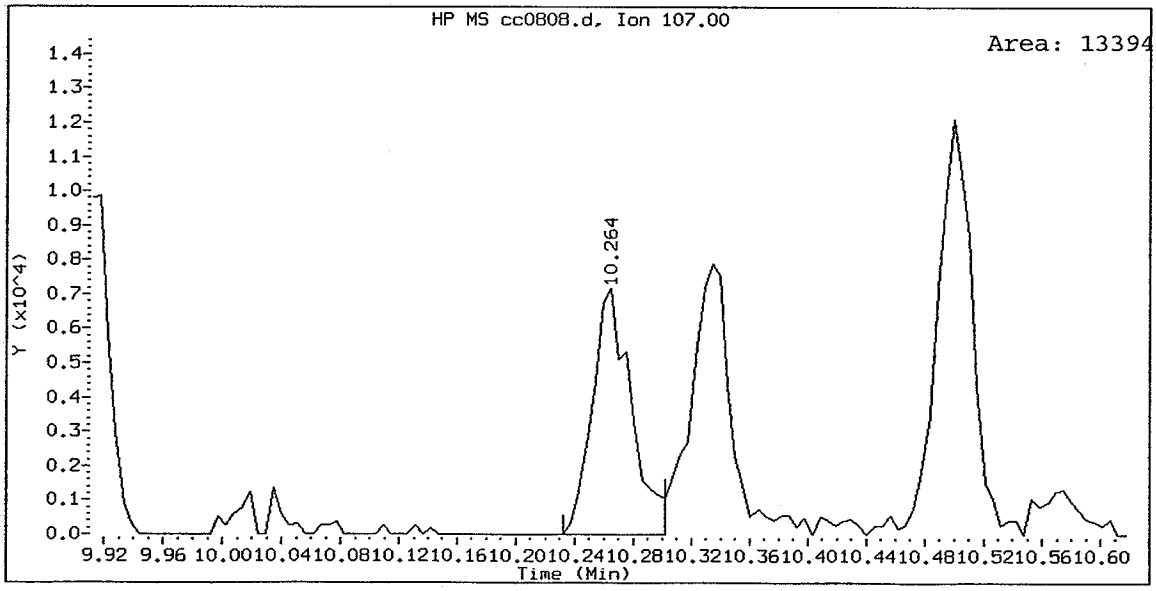
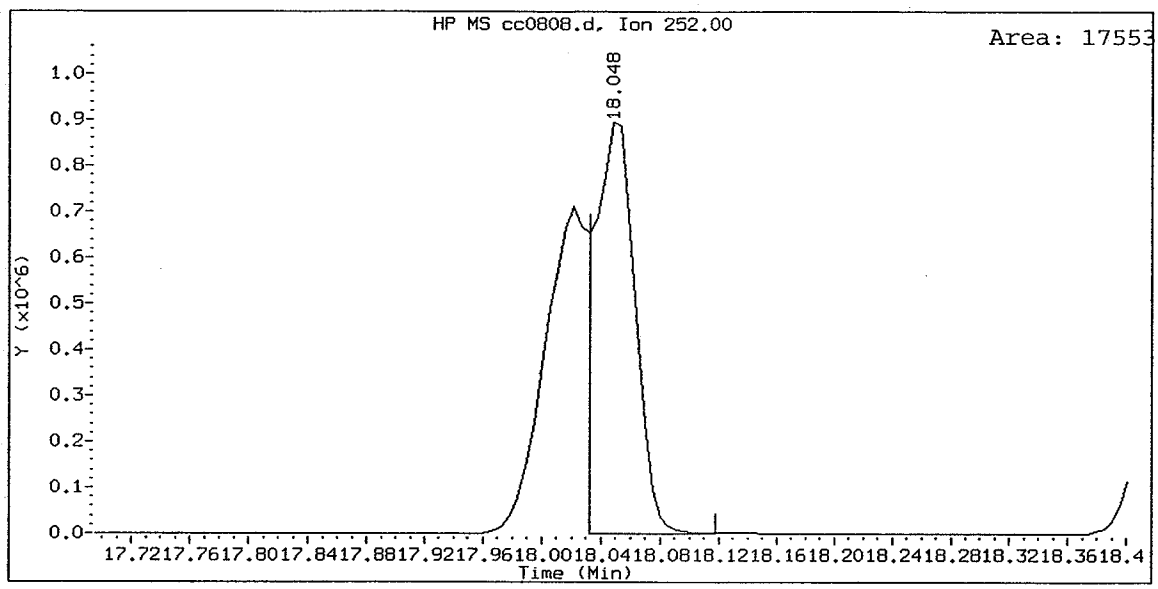
2,4-Dinitrophenol Amount: 16.21

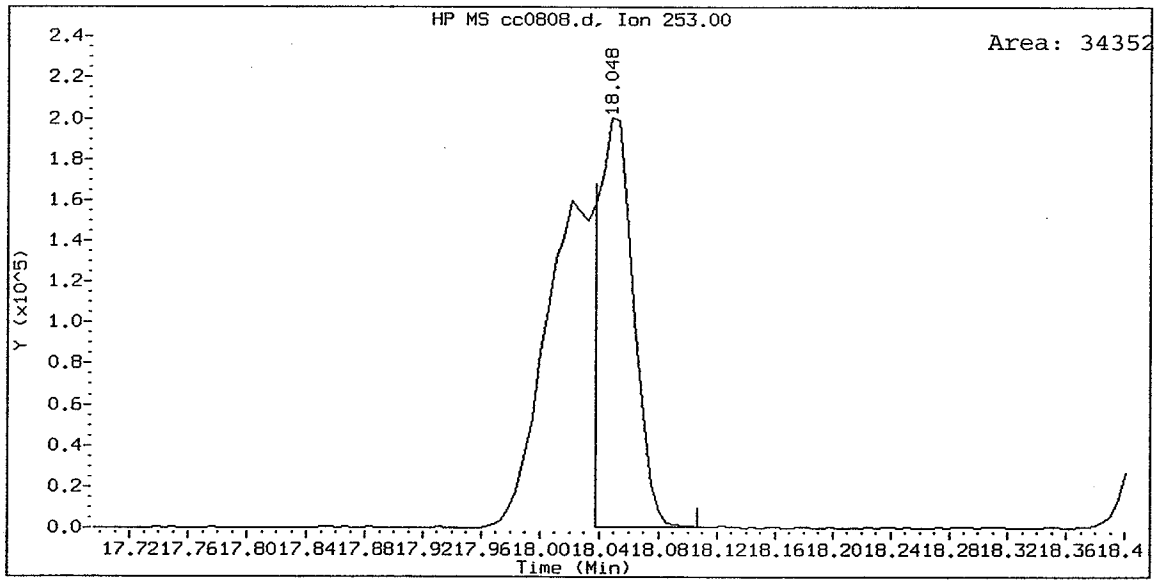


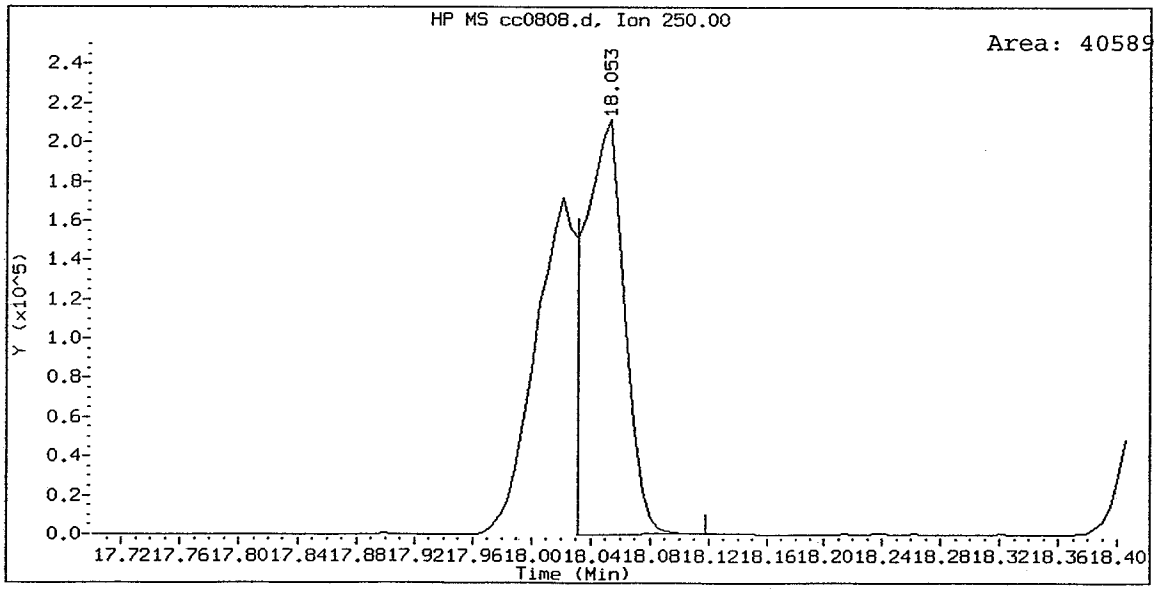




ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
Benzo(k)fluoranthene Amount: 30.86







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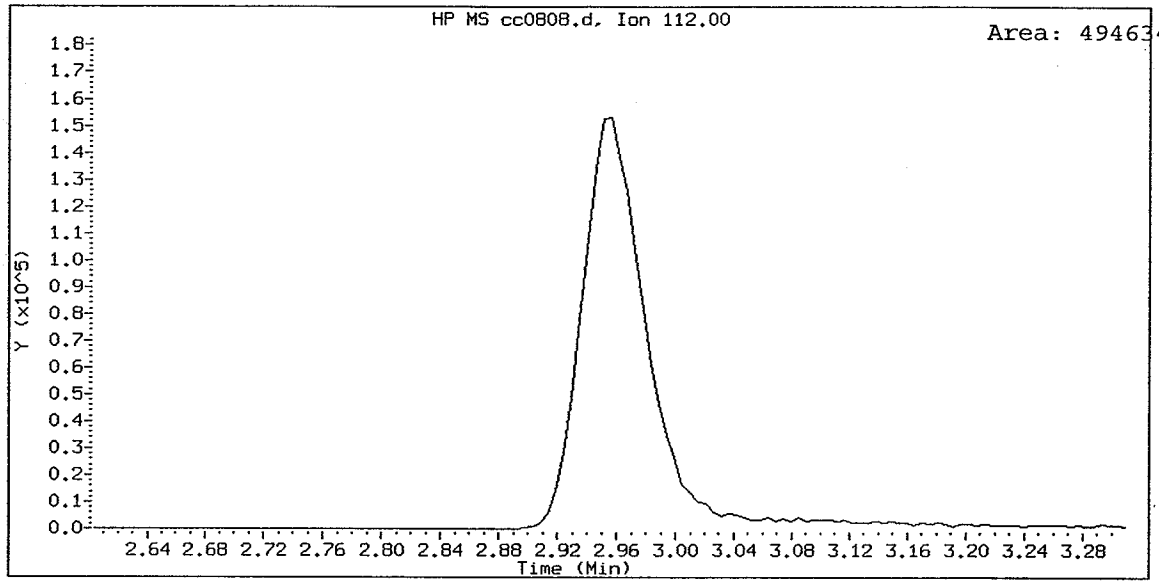
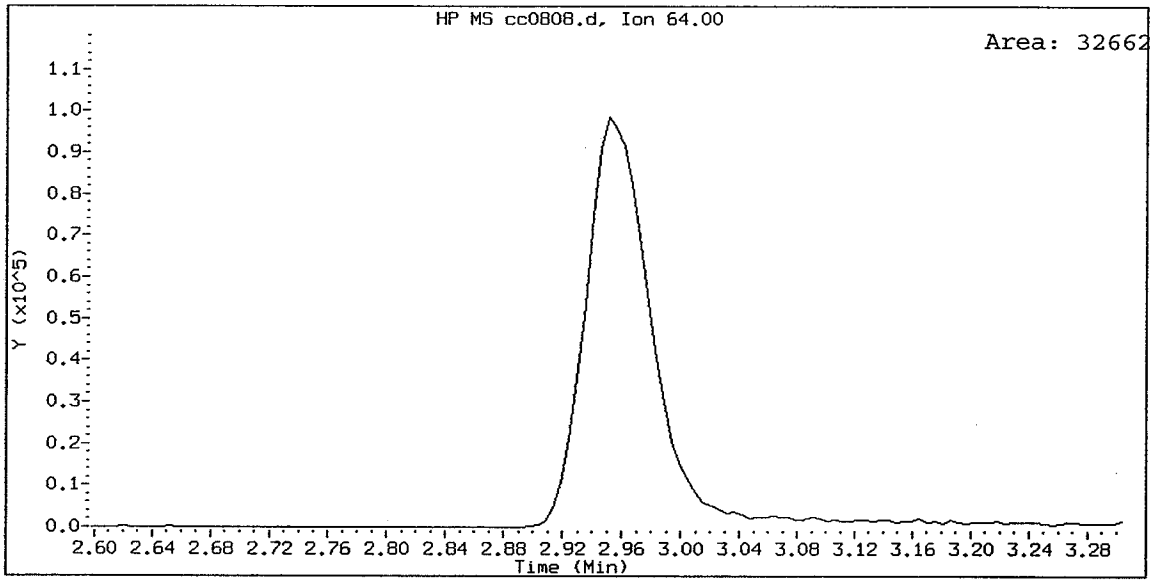
2-Fluorophenol Amount: 23.55





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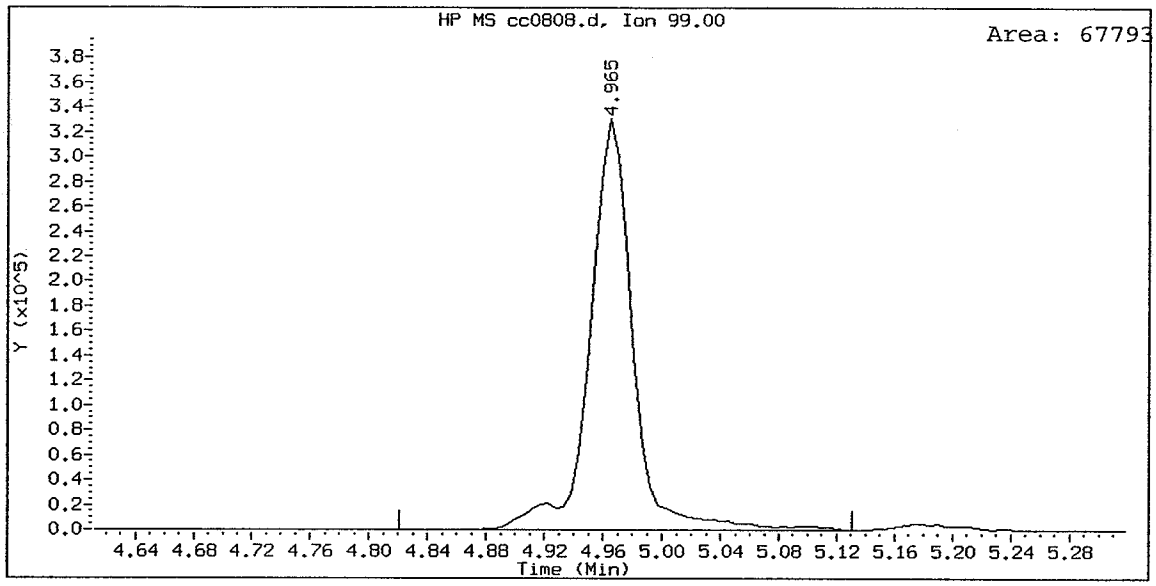
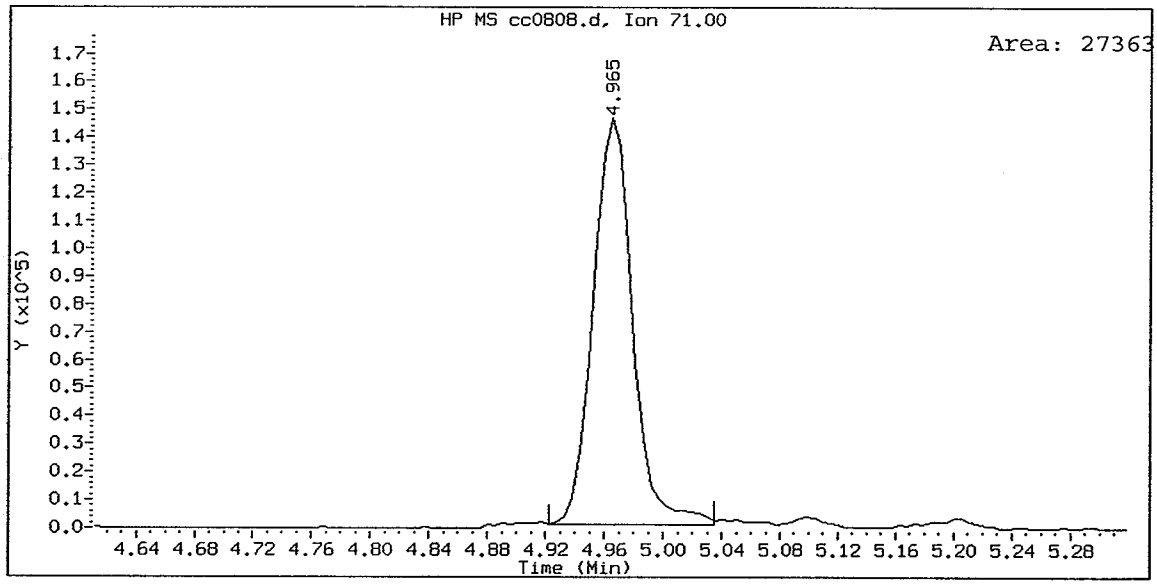
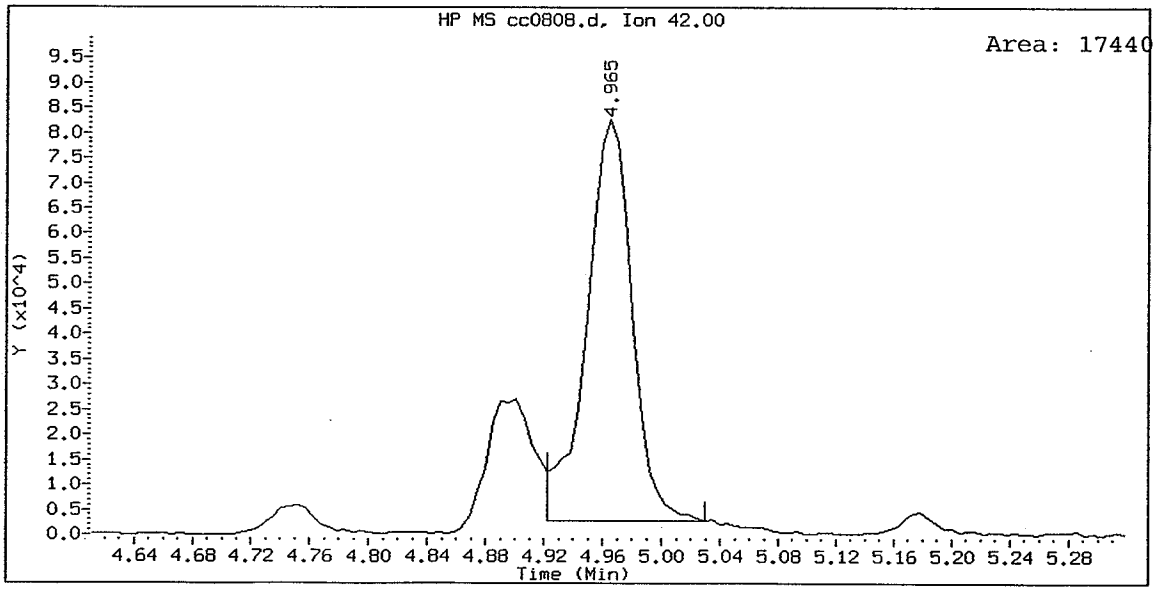
Phenol-d5 Amount: 26.64







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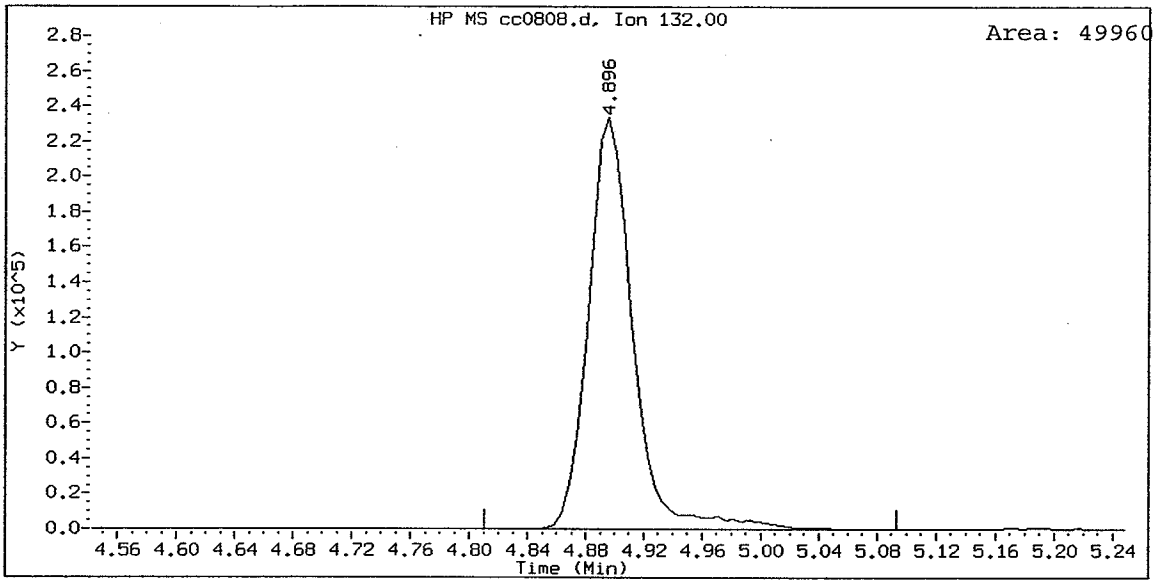
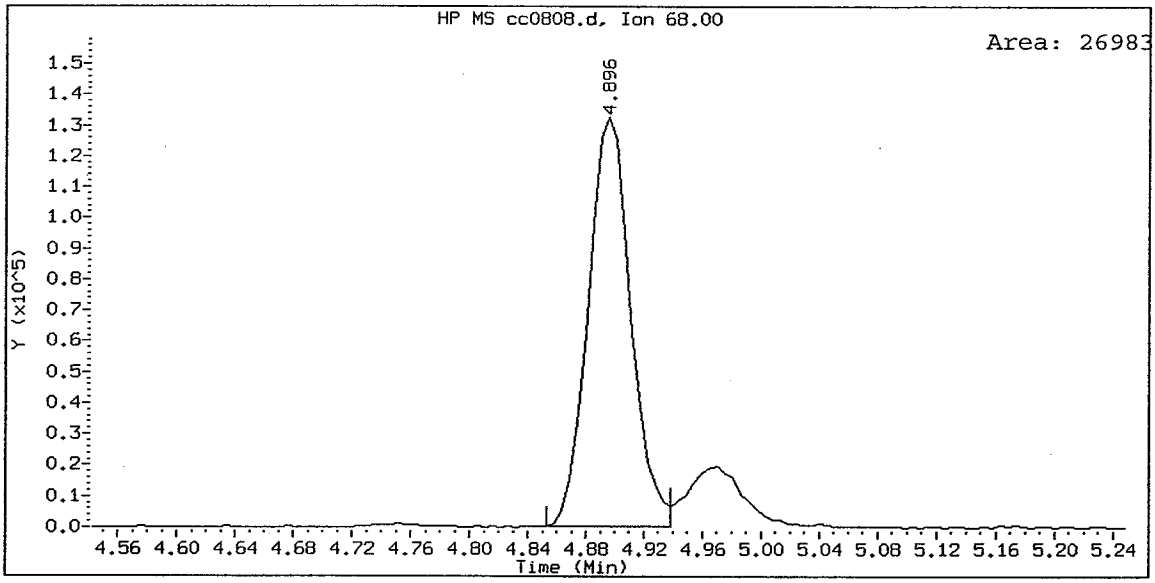
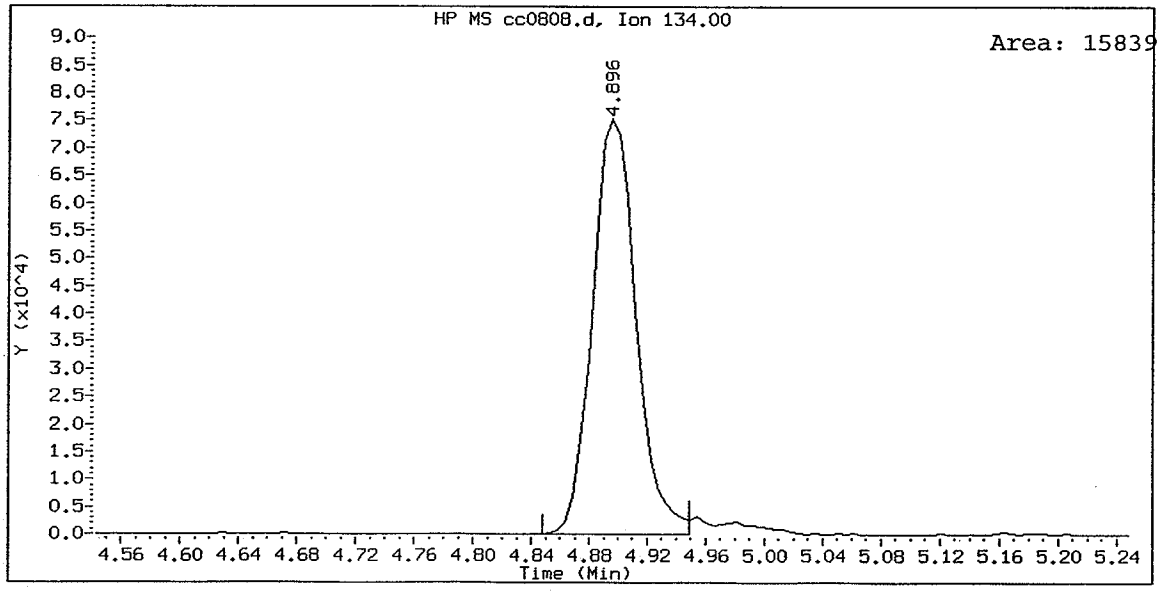
2-Chlorophenol-d4 Amount: 23.15







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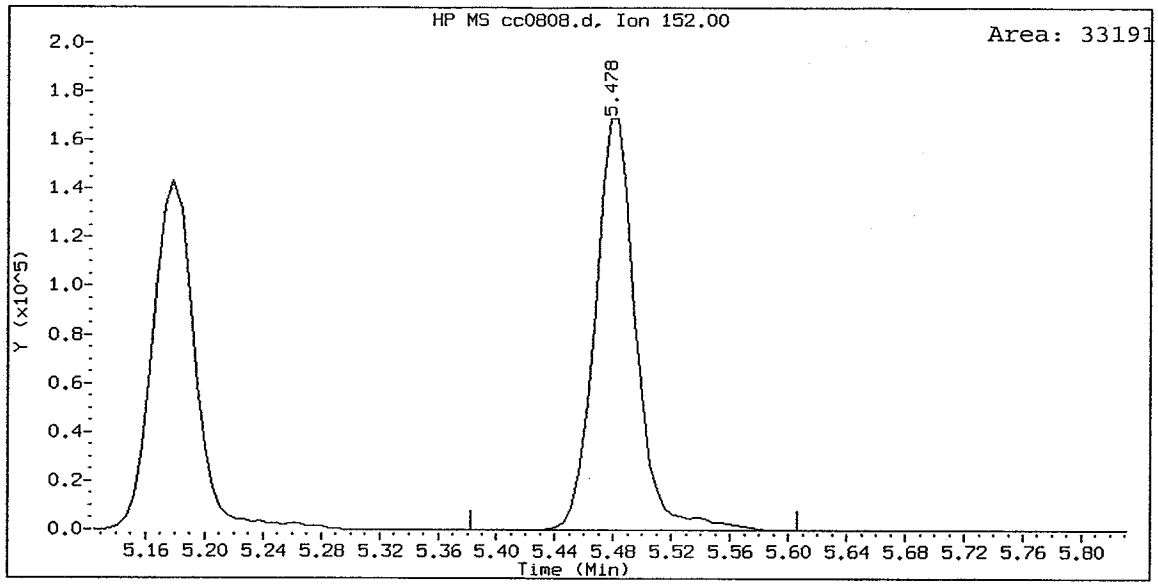
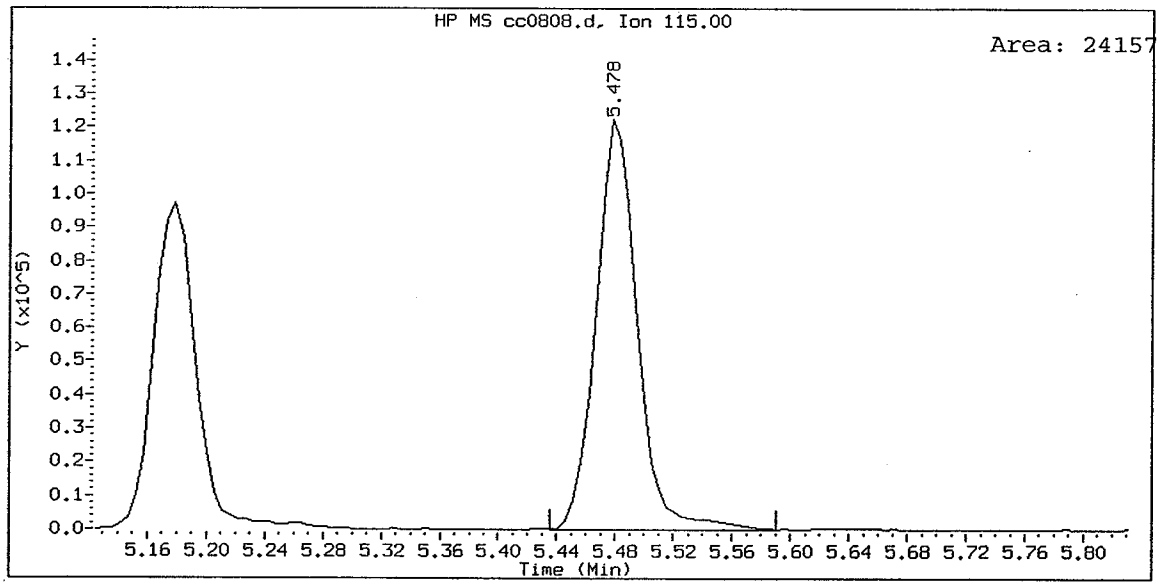
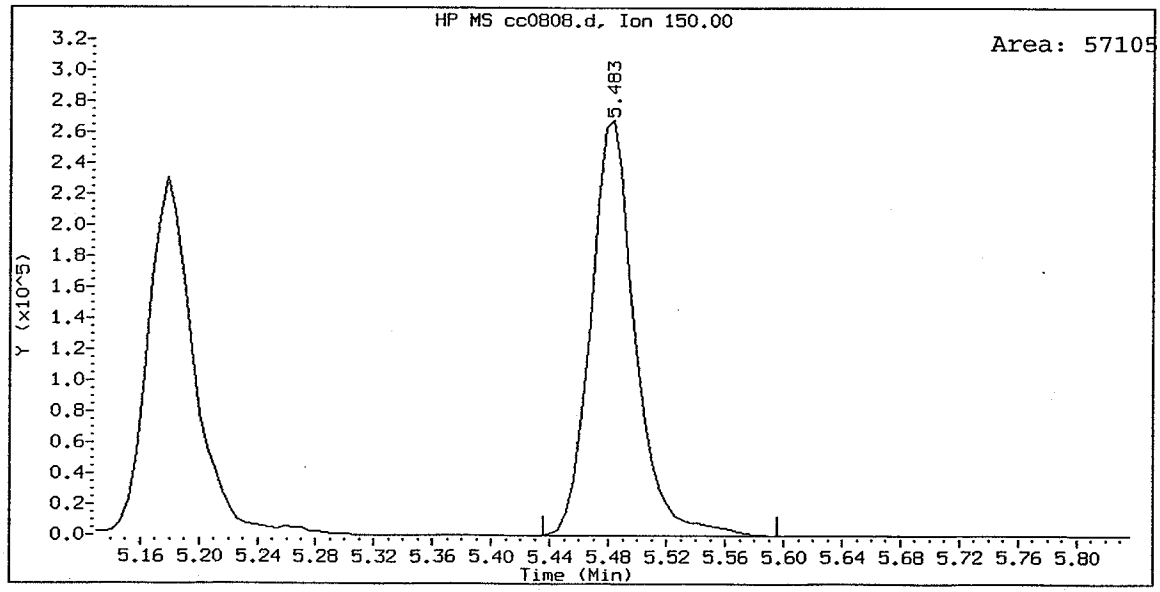
1,2-Dichlorobenzene-d4 Amount: 23.86







Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem1/nt6.i/20060808.b/ddt.b/cc0808.d ARI ID:
Method: /chem1/nt6.i/20060808.b/ddt.b/sw846ddt.m Misc:
Analysis Date: 08-AUG-2006 13:13 Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	12.193	179265
Benzidine	14.527	401423
4,4'-DDE	----	----
4,4'-DDD	15.441	39840
4,4'-DDT	15.895	339709

LJK 8/9/06

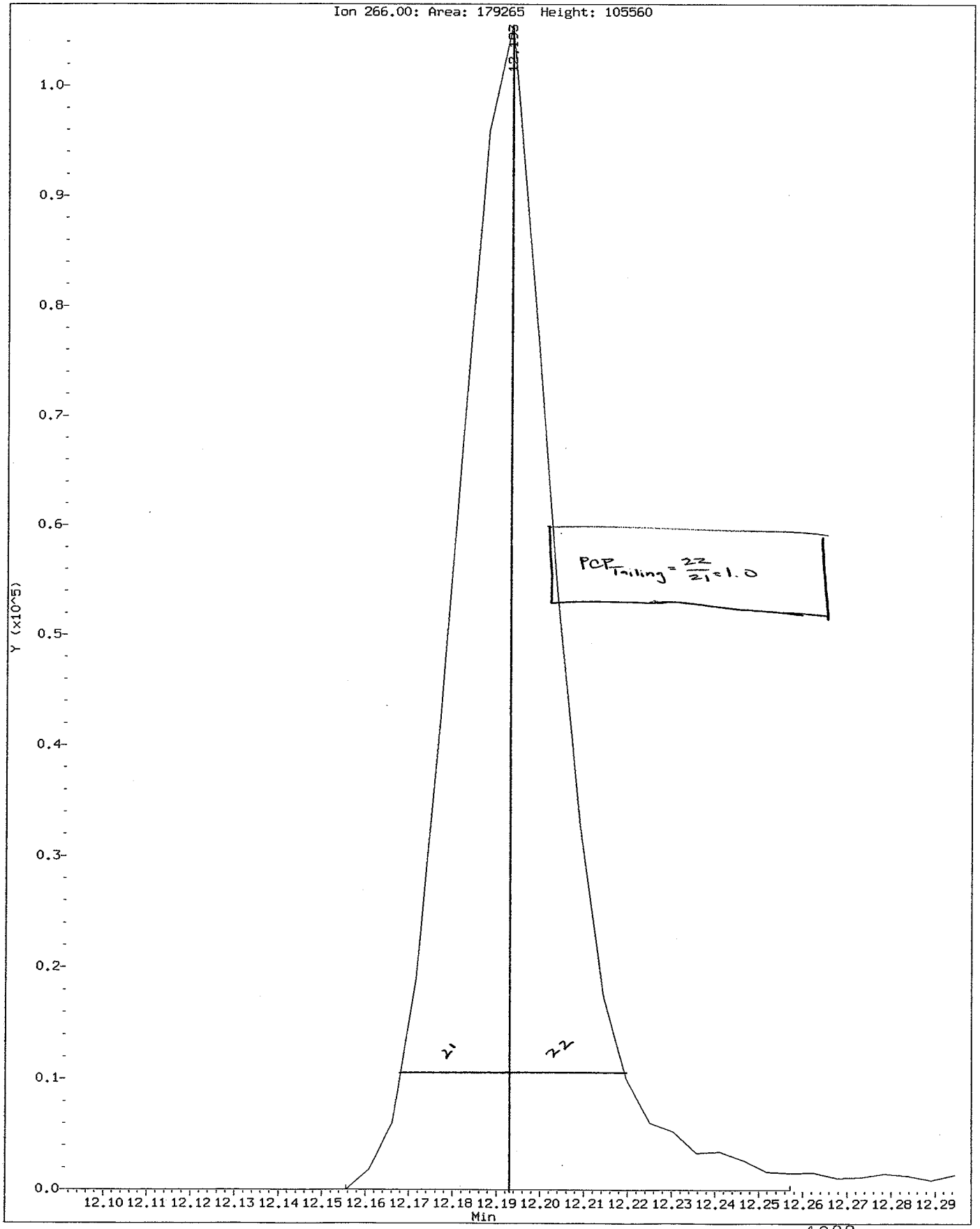
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 39840) * 100}{(0 + 39840 + 339709)}$$

DDT Percent Breakdown = 10.5 %

Data File: /chem1/nt6.i/20060808.b/ddt.b/cc0808.d
Injection Date: 08-AUG-2006 13:13
Instrument: nt6.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



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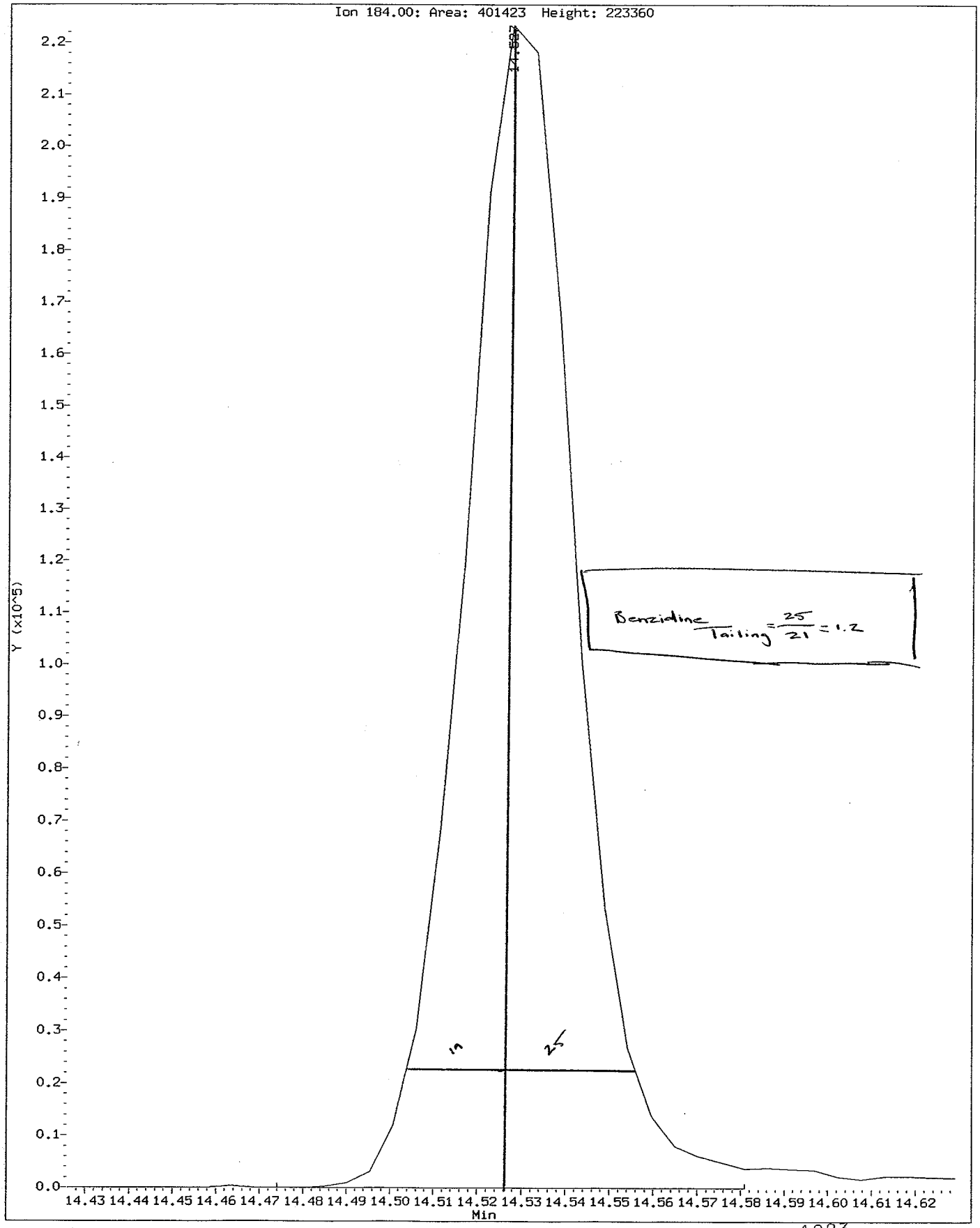
Compound: Benzidine
CAS Number: