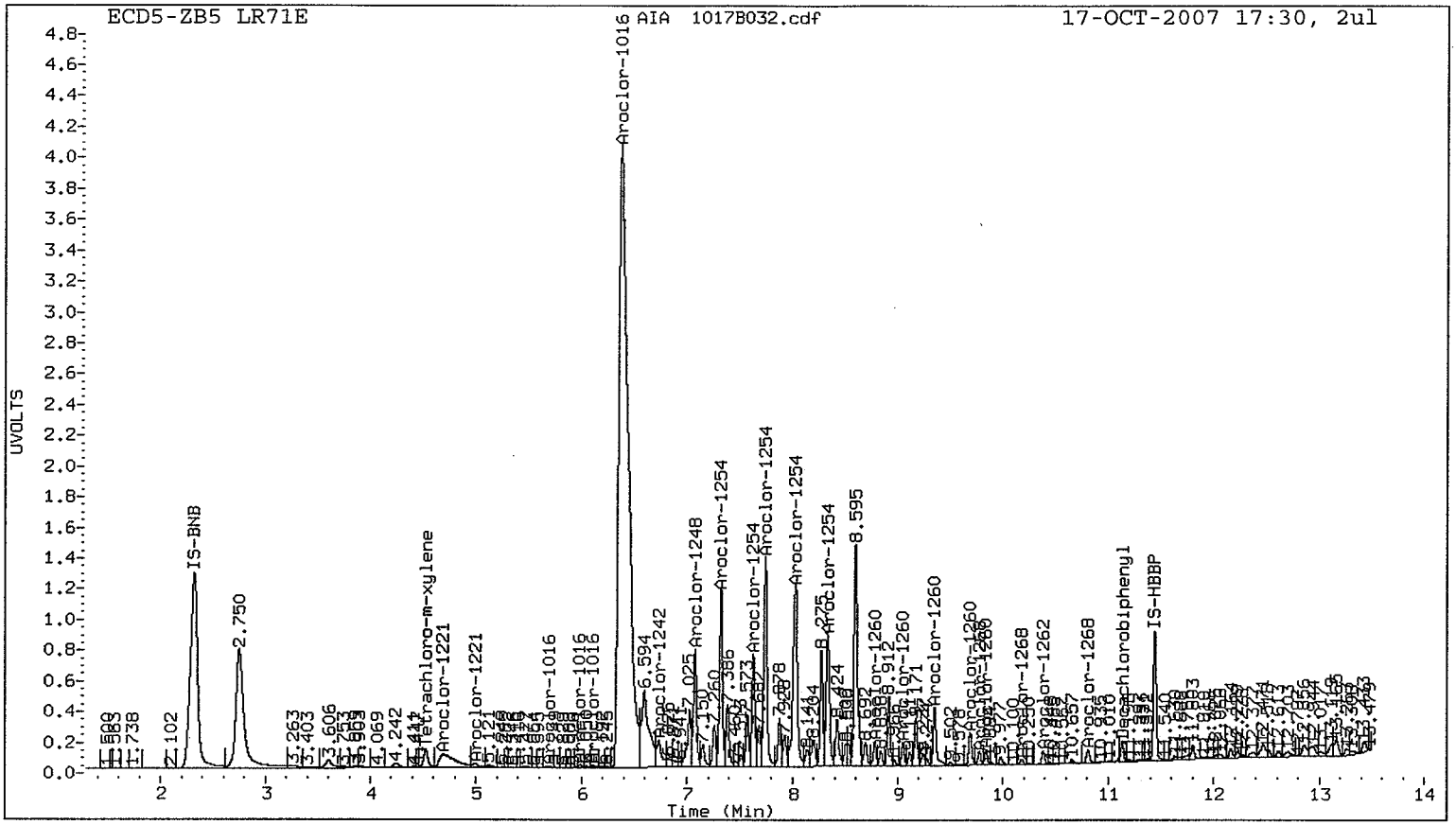
Total Col1Ave (4 peaks):	14.5	Total Col2Ave (4 peaks):	22.6	RPD = 44*
Corrected Ave (4 peaks):	14.5	Corrected Ave (3 peaks):	9.9	RPD = 38

Total PCB Area Col1 (4.623 - 11.035) = 305446941 Col1 Total PCB = 1.3 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 208082656 Col2 Total PCB = 1.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.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Time (Min)
IS-BNB
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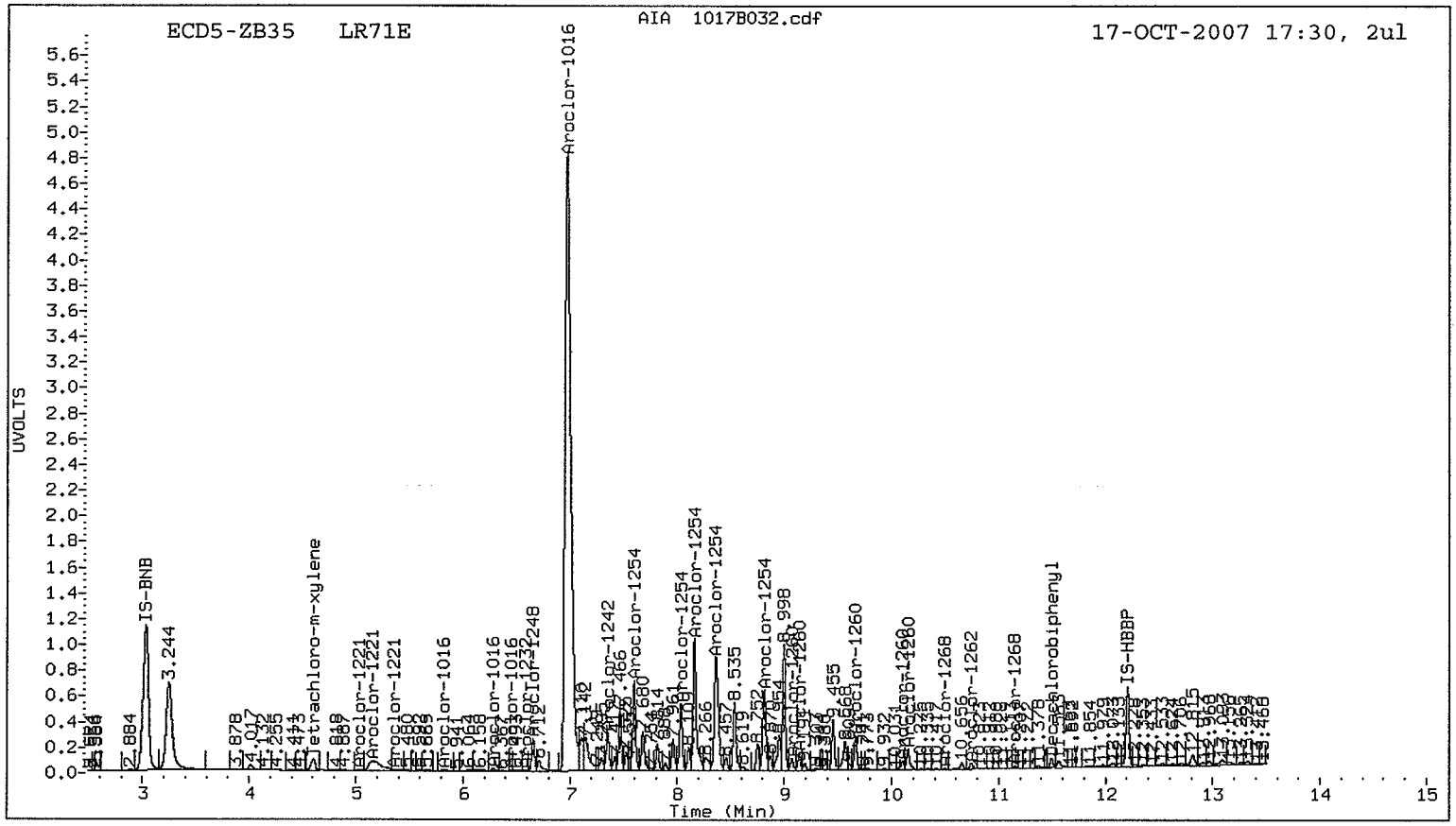
Tetrachloro-m-xylene
Aroclor-1221
Aroclor-1016
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
8.595
IS-HBBP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IS-BNB
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Aroclor-1221
Aroclor-1016
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
IS-HBBP

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-11-070928
SAMPLE

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 14:04
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 32.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	39	< 39 Y
11097-69-1	**Aroclor 1254**	**3.9**	**220 E**
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	91.2%
Tetrachlorometaxylene	79.8%

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B020.d
Data file 2: 20071016.b/1017-2.b/1017B020.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71F
Client ID: AN-SS-11-070928
Injection Date: 17-OCT-2007 14:04
Report Date: 10/17/2007 15:17
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.523	0.000	11572767	4.605	0.000	8499516	31.6	31.9	0.9	Tetrachloro-m-xylene
11.135	0.000	11071129	11.494	-0.002	7366344	34.9	36.5	4.4	DecachlorobiphenylN

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	79.0	79.8
Decachlorobiphenyl	87.3	91.2

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	27949068	-11.5
Hexabromobiphenyl	9983366	9980902	0.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	20263407	-0.3
Hexabromobiphenyl	6610345	8404341	27.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	5.694	-0.002	5524103	626.2	1	5.822	-0.002	5219488	521.0
Aroclor-1016	2	5.984	-0.007	11723314	439.7	2	6.289	-0.004	7878719	372.0
Aroclor-1016	3	6.102	-0.001	4164764	356.0	3	6.452	-0.001	1860375	220.0
Aroclor-1016	4	6.356	0.000	26639327	3713.6	4	6.991	0.001	13802162	2078.1
	Total Col1Ave (4 peaks):			1283.9		Total Col2Ave (4 peaks):			797.8	RPD = 47*
	Corrected Ave (3 peaks):			474.0		Corrected Ave (3 peaks):			371.0	RPD = 24
Aroclor-1221	1	4.770	-0.013	227204	59.0	1	5.030	-0.036	193914	58.8
Aroclor-1221	2	4.910	0.001	619274	241.3	2	5.188	-0.052	577723	304.0
Aroclor-1221	3	4.998	0.012	3760659	433.9	3	5.294	-0.029	61278366	10577.3
Aroclor-1221	NS	---			----	4	5.822	-0.014	5219488	2228.3
	Total Col1Ave (3 peaks):			244.7		Total Col2Ave (4 peaks):			3292.1	RPD = 172*
	Corrected Ave: < 3 Peaks					Corrected Ave (3 peaks):			863.7	
Aroclor-1232	1	4.998	0.014	3760659	516.8	1	5.294	-0.029	61278366	12461.5
Aroclor-1232	2	5.694	-0.002	5524103	1393.3	2	5.822	-0.003	5219488	1057.3
Aroclor-1232	3	5.984	-0.007	11723314	992.6	3	6.289	-0.005	7878719	843.9
Aroclor-1232	4	6.102	-0.003	4164764	776.5	4	6.588	-0.002	1618104	692.1
	Total Col1Ave (4 peaks):			919.8		Total Col2Ave (4 peaks):			3763.7	RPD = 121*
	Corrected Ave (4 peaks):			919.8		Corrected Ave (3 peaks):			864.4	RPD = 6
Aroclor-1242	1	5.694	-0.002	5524103	776.8	1	5.294	-0.029	61278366	15012.0
Aroclor-1242	2	5.984	-0.008	11723314	549.4	2	5.822	-0.002	5219488	653.5
Aroclor-1242	3	6.102	-0.002	4164764	441.0	3	6.289	-0.004	7878719	473.2
Aroclor-1242	4	6.732	-0.004	12747841	1410.2	4	6.452	-0.001	1860375	279.5
Aroclor-1242	NS	---			----	5	7.350	0.001	22498661	3528.7
	Total Col1Ave (4 peaks):			794.4		Total Col2Ave (5 peaks):			3989.4	RPD = 134*
	Corrected Ave (3 peaks):			589.1		Corrected Ave (4 peaks):			1233.7	RPD = 71*
Aroclor-1248	1	5.984	-0.008	11723314	752.5	1	6.289	-0.002	7878719	630.7
Aroclor-1248	2	6.102	-0.004	4164764	702.5	2	6.656	0.000	18214201	2631.2
Aroclor-1248	3	6.356	-0.001	26639327	2881.8	3	6.991	0.001	13802162	1698.7
Aroclor-1248	4	6.732	-0.004	12747841	936.1	4	7.350	0.001	22498661	1999.0
Aroclor-1248	5	7.075	0.001	66085704	3666.4	NS	---			----
	Total Col1Ave (5 peaks):			1787.9		Total Col2Ave (4 peaks):			1739.9	RPD = 3
	Corrected Ave (4 peaks):			1318.3		Corrected Ave (4 peaks):			1739.9	RPD = 28
Aroclor-1254	1	7.322	-0.001	93851934	4714.2	1	7.599	0.001	58834413	5095.1
Aroclor-1254	2	7.628	-0.004	60590859	4943.2	2	8.035	0.000	45234556	5141.5
Aroclor-1254	3	7.741	-0.004	121404194	4985.3	3	8.162	0.000	106143094	5601.3
Aroclor-1254	4	8.024	-0.008	150183901	5729.0	4	8.360	-0.004	118943824	6218.5
Aroclor-1254	5	8.332	-0.004	89456160	5808.2	5	8.814	-0.002	69429622	6450.5
	Total Col1Ave (5 peaks):			5236.0		Total Col2Ave (5 peaks):			5701.4	RPD = 9
	Corrected Ave (5 peaks):			5236.0		Corrected Ave (5 peaks):			5701.4	RPD = 9
Aroclor-1260	1	8.780	0.000	12263502	685.7	1	9.073	0.000	8647244	668.5
Aroclor-1260	2	9.048	0.000	12606460	832.5	2	9.138	-0.002	14815113	2022.9
Aroclor-1260	3	9.348	0.000	36160514	906.8	3	9.666	0.002	28494232	922.9
Aroclor-1260	4	9.689	-0.001	26602682	1441.3	4	10.106	0.002	7618416	913.1
Aroclor-1260	5	9.840	0.000	5535966	484.3	5	10.154	0.000	22554297	1172.6
	Total Col1Ave (5 peaks):			870.1		Total Col2Ave (5 peaks):			1140.0	RPD = 27
	Corrected Ave (5 peaks):			870.1		Corrected Ave (4 peaks):			919.3	RPD = 5
Aroclor-1262	1	9.048	-0.001	12606460	619.1	1	9.073	-0.001	8647244	409.7
Aroclor-1262	2	9.348	-0.002	36160514	704.8	2	9.666	0.000	28494232	729.2
Aroclor-1262	3	9.689	-0.002	26602682	1696.8	3	10.106	0.003	7618416	462.5
Aroclor-1262	4	9.840	-0.002	5535966	246.0	4	10.154	-0.003	22554297	888.1
Aroclor-1262	5	10.382	-0.004	9174283	537.6	5	10.745	-0.001	6023323	483.2
	Total Col1Ave (5 peaks):			760.8		Total Col2Ave (5 peaks):			594.5	RPD = 25
	Corrected Ave (4 peaks):			526.9		Corrected Ave (5 peaks):			594.5	RPD = 12
Aroclor-1268	1	9.777	0.000	4405618	77.7	1	10.106	0.005	7618416	195.3
Aroclor-1268	2	9.840	0.002	5535966	102.7	2	10.154	-0.005	22554297	609.0
Aroclor-1268	3	10.182	0.020	2937496	64.4	3	10.494	0.001	627546	21.5

1000Y

R

Aroclor-1268	4	10.801	0.001	3132201	25.7	4	11.153	0.001	753066	8.8

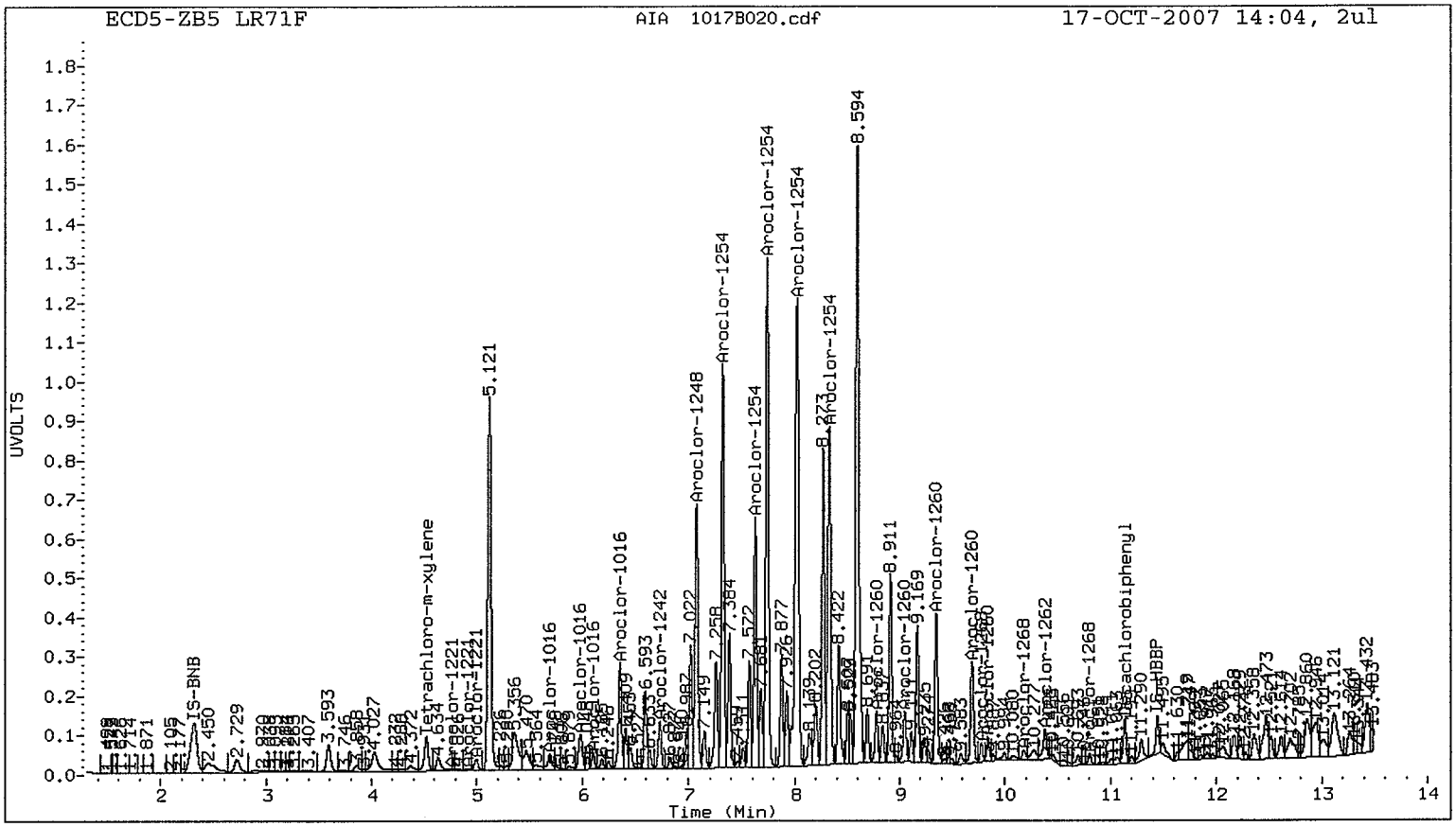
Total Col1Ave (4 peaks): 67.6 Total Col2Ave (4 peaks): 208.7 RPD = 102*

Corrected Ave (4 peaks): 67.6 Corrected Ave (3 peaks): 75.2 RPD = 11

Total PCB Area Col1 (4.623 - 11.035) = 1608801798 Col1 Total PCB = 7.7 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 1192755986 Col2 Total PCB = 8.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical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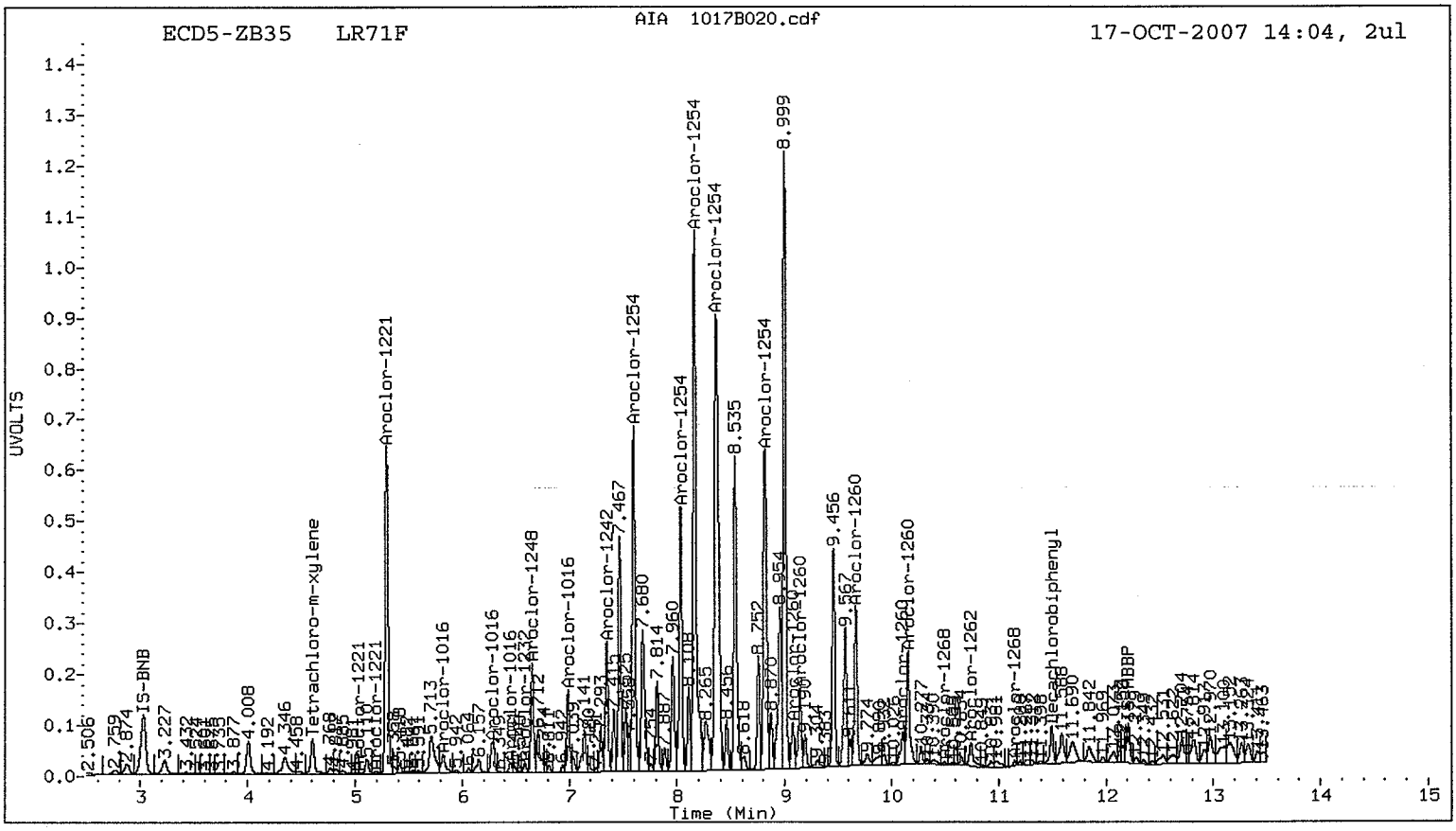
AIA 1017B020.cdf
17-OCT-2007 14:04, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1221
Aroclor-1016
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
HBBP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UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1221
Aroclor-1016
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
HBBP

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-11-070928
DILUTION

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 17:47
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 10.0
Silica Gel: No

Percent Moisture: 32.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	39	< 39 U
53469-21-9	Aroclor 1242	39	< 39 U
12672-29-6	Aroclor 1248	39	< 39 U
11097-69-1	**Aroclor 1254**	**39**	**220**
11096-82-5	Aroclor 1260	39	< 39 U
11104-28-2	Aroclor 1221	39	< 39 U
11141-16-5	Aroclor 1232	39	< 39 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	121%
Tetrachlorometaxylene	85.5%

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B033.d
Data file 2: 20071016.b/1017-2.b/1017B033.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71F
Client ID: AN-SS-11-070928
Injection Date: 17-OCT-2007 17:47
Report Date: 10/18/2007 09:43
Matrix: SOIL
Dilution Factor: 10.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.525	0.002	1491434	4.605	0.000	939458	3.4	3.4	0.9	Tetrachloro-m-xylene
11.134	-0.001	1318678	11.497	0.000	733434	4.3	4.8	10.7	DecachlorobiphenylN

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	85.5	84.7
Decachlorobiphenyl	108.5	120.8

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	33268391	5.4
Hexabromobiphenyl	9983366	9571972	-4.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	21082541	3.7
Hexabromobiphenyl	6610345	6321495	-4.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	5.695	-0.001	527891	50.3	1	5.822	-0.002	437334	42.0
Aroclor-1016	2	5.988	-0.003	1305136	41.1	2	6.288	-0.005	1008354	45.8
Aroclor-1016	3	6.104	0.001	548360	39.4	3	6.453	0.000	245228	27.9
Aroclor-1016	4	6.359	0.002	3010312	352.5	4	6.990	0.001	1693496	245.1
	Total Col1Ave (4 peaks):				120.8	Total Col2Ave (4 peaks):				90.2 RPD = 29
	Corrected Ave (3 peaks):				43.6	Corrected Ave (3 peaks):				38.5 RPD = 12
Aroclor-1221	1	4.689	-0.094	1783551	388.9	1	5.063	-0.003	18181	5.3
Aroclor-1221	2	4.899	-0.010	118457	38.8	2	5.294	0.053	6921889	3501.2
Aroclor-1221	3	4.997	0.011	443991	43.0	3	---			0.0
Aroclor-1221	NS	---			----	4	5.822	-0.014	437334	179.5
	Total Col1Ave (3 peaks):				156.9	Total Col2Ave (3 peaks):				1228.6 RPD = 155*
	Corrected Ave: < 3 Peaks					Corrected Ave: < 3 Peaks				
Aroclor-1232	1	4.997	0.013	443991	51.3	1	5.294	-0.029	6921889	1352.9
Aroclor-1232	2	5.695	-0.001	527891	111.9	2	5.822	-0.003	437334	85.2
Aroclor-1232	3	5.988	-0.002	1305136	92.8	3	6.288	-0.006	1008354	103.8
Aroclor-1232	4	6.104	-0.001	548360	85.9	4	6.588	-0.001	227848	93.7
	Total Col1Ave (4 peaks):				85.5	Total Col2Ave (4 peaks):				408.9 RPD = 131*
	Corrected Ave (4 peaks):				85.5	Corrected Ave (3 peaks):				94.2 RPD = 10
Aroclor-1242	1	5.695	-0.001	527891	62.4	1	5.294	-0.029	6921889	1629.8
Aroclor-1242	2	5.988	-0.003	1305136	51.4	2	5.822	-0.002	437334	52.6
Aroclor-1242	3	6.104	0.000	548360	48.8	3	6.288	-0.005	1008354	58.2
Aroclor-1242	4	6.734	-0.002	1574558	146.3	4	6.453	0.000	245228	35.4
Aroclor-1242	NS	---			----	5	7.349	0.000	2509622	378.3
	Total Col1Ave (4 peaks):				77.2	Total Col2Ave (5 peaks):				430.9 RPD = 139*
	Corrected Ave (3 peaks):				54.2	Corrected Ave (4 peaks):				131.1 RPD = 83*
Aroclor-1248	1	5.988	-0.004	1305136	70.4	1	6.288	-0.003	1008354	77.6
Aroclor-1248	2	6.104	-0.002	548360	77.7	2	6.655	0.000	2136256	296.6
Aroclor-1248	3	6.359	0.001	3010312	273.6	3	6.990	0.001	1693496	200.3
Aroclor-1248	4	6.734	-0.002	1574558	97.1	4	7.349	0.000	2509622	214.3
Aroclor-1248	5	7.075	0.002	7405743	345.2	NS	---			----
	Total Col1Ave (5 peaks):				172.8	Total Col2Ave (4 peaks):				197.2 RPD = 13
	Corrected Ave (4 peaks):				129.7	Corrected Ave (4 peaks):				197.2 RPD = 41*
Aroclor-1254	1	7.322	-0.001	11062654	466.8	1	7.598	0.000	6160702	512.8
Aroclor-1254	2	7.629	-0.003	6923489	474.5	2	8.035	-0.001	4679737	511.2
Aroclor-1254	3	7.742	-0.003	13621657	469.9	3	8.160	-0.002	10645827	540.0
Aroclor-1254	4	8.025	-0.007	16856570	540.2	4	8.360	-0.004	12092260	607.6
Aroclor-1254	5	8.333	-0.003	9986562	544.7	5	8.815	-0.002	6882399	614.6
	Total Col1Ave (5 peaks):				499.2	Total Col2Ave (5 peaks):				557.2 RPD = 11
	Corrected Ave (5 peaks):				499.2	Corrected Ave (5 peaks):				557.2 RPD = 11
Aroclor-1260	1	8.779	-0.001	1484157	86.5	1	9.072	-0.001	913618	93.9
Aroclor-1260	2	9.048	0.000	1490059	102.6	2	9.139	-0.001	1498553	272.0
Aroclor-1260	3	9.349	0.001	4043189	105.7	3	9.664	0.000	2802227	120.7
Aroclor-1260	4	9.688	-0.002	2736134	154.6	4	10.107	0.004	776100	123.7
Aroclor-1260	5	9.841	0.001	631223	57.6	5	10.153	-0.001	2126783	147.0
	Total Col1Ave (5 peaks):				101.4	Total Col2Ave (5 peaks):				151.5 RPD = 40
	Corrected Ave (5 peaks):				101.4	Corrected Ave (4 peaks):				121.3 RPD = 18
Aroclor-1262	1	9.048	-0.001	1490059	76.3	1	9.072	-0.002	913618	57.5
Aroclor-1262	2	9.349	-0.001	4043189	82.2	2	9.664	-0.002	2802227	95.3
Aroclor-1262	3	9.688	-0.002	2736134	182.0	3	10.107	0.005	776100	62.6
Aroclor-1262	4	9.841	-0.001	631223	29.2	4	10.153	-0.005	2126783	111.3
Aroclor-1262	5	10.381	-0.005	876114	53.5	5	10.744	-0.002	553462	59.0
	Total Col1Ave (5 peaks):				84.6	Total Col2Ave (5 peaks):				77.2 RPD = 9
	Corrected Ave (4 peaks):				60.3	Corrected Ave (5 peaks):				77.2 RPD = 25
Aroclor-1268	1	9.777	-0.001	484621	8.9	1	10.107	0.006	776100	26.5
Aroclor-1268	2	9.841	0.002	631223	12.2	2	10.153	-0.006	2126783	76.3
Aroclor-1268	3	10.179	0.017	285024	6.5	3	10.494	0.001	57571	2.6

Aroclor-1268	4	10.809	0.009	885719	7.6	4	11.152	0.001	141138	2.2

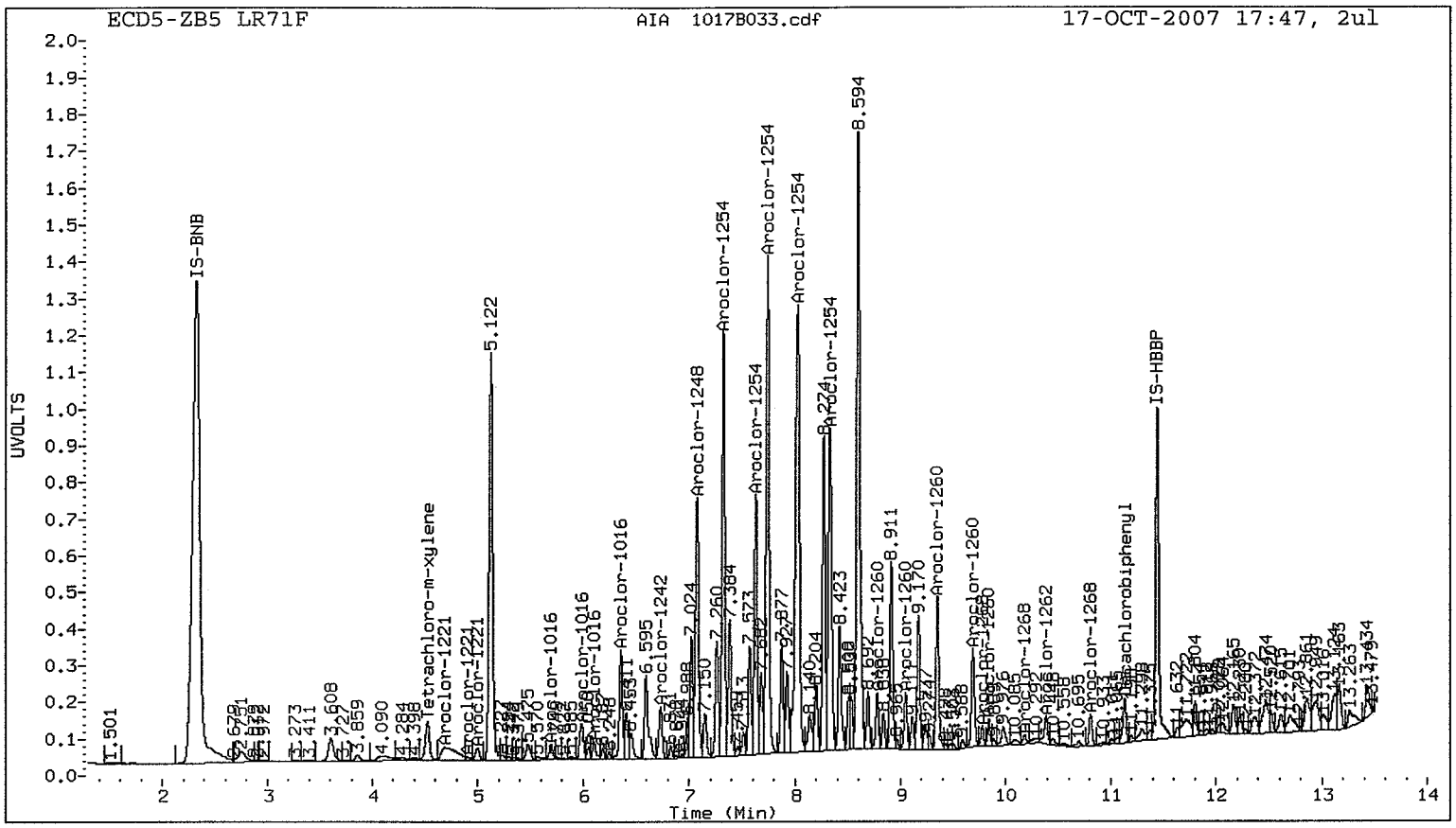
Total Col1Ave (4 peaks): 8.8 Total Col2Ave (4 peaks): 26.9 RPD = 101*

Corrected Ave (4 peaks): 8.8 Corrected Ave (3 peaks): 10.4 RPD = 17

Total PCB Area Col1 (4.623 - 11.035) = 181954498 Col1 Total PCB = 0.7 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 124760481 Col2 Total PCB = 0.8 ppm*

* Quantitated against AR1660 0.25ppm in Ical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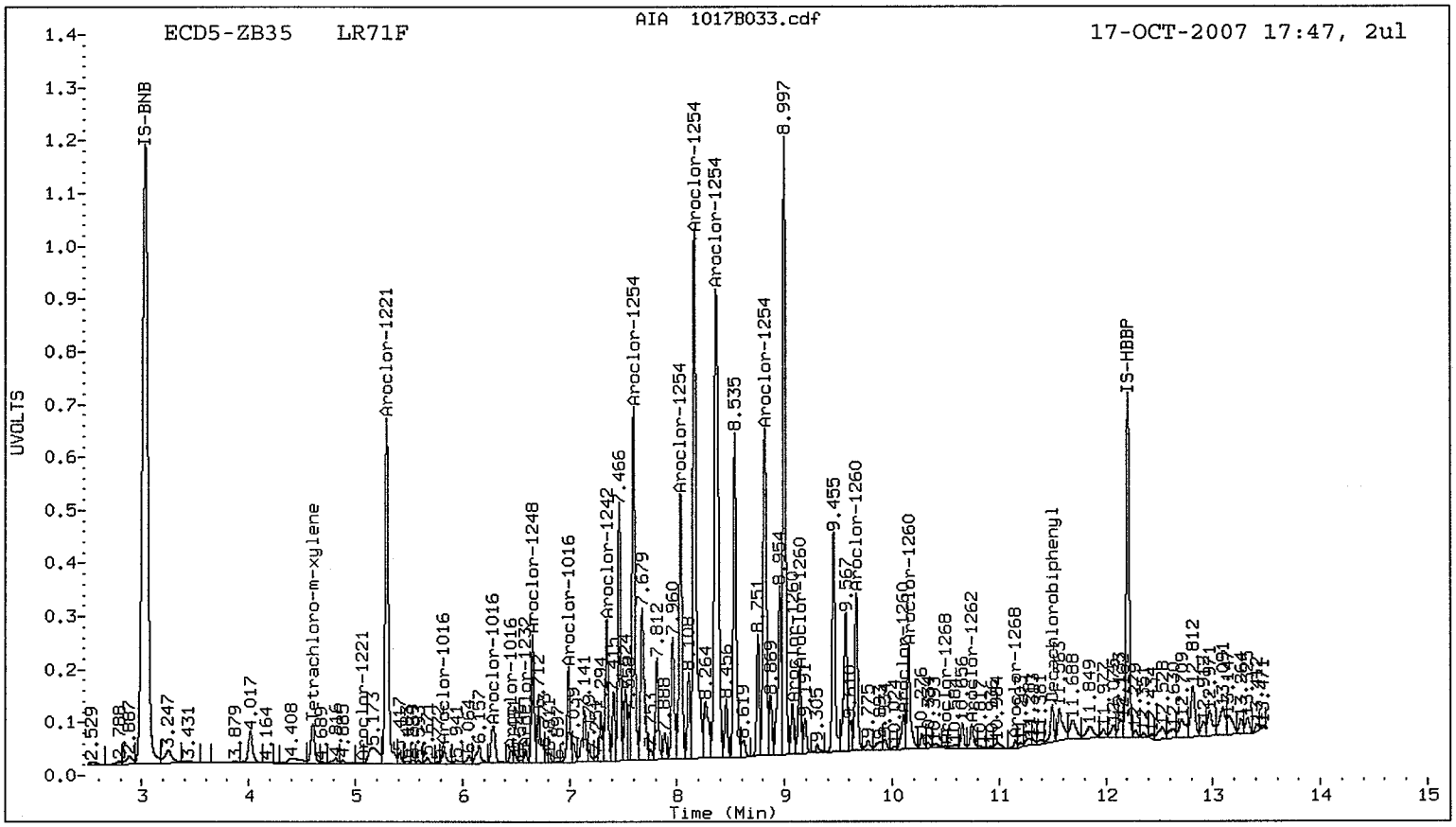
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1221
Aroclor-1016
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1242
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP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IS-BNB
Tetrachloro-m-xylene
Aroclor-1221
Aroclor-1016
Aroclor-1248
Aroclor-1254
Aroclor-1242
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-04
SAMPLE

Lab Sample ID: LR71H
LIMS ID: 07-20773
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 14:21
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 36.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	47	< 47 Y
11097-69-1	**Aroclor 1254**	**3.9**	**190 E**
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	86.0%
Tetrachlorometaxylene	77.0%

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B021.d
Data file 2: 20071016.b/1017-2.b/1017B021.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71H
Client ID: AN-SS-04
Injection Date: 17-OCT-2007 14:21
Report Date: 10/17/2007 15:17
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.524	0.001	10142452	4.606	0.001	7805420	29.9	30.8	2.9	Tetrachloro-m-xylene
11.137	0.002	10295225	11.502	0.005	7173602	30.6	34.4	11.8	Decachlorobiphenyl MN

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	74.8	76.9
Decachlorobiphenyl	76.4	85.9

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	25886290	-18.0
Hexabromobiphenyl	9983366	10611687	6.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	19293984	-5.1
Hexabromobiphenyl	6610345	8689696	31.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	ZB5 Col Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	5.693	-0.002	3503127	428.7	1	5.825	0.001	3737588	391.8
Aroclor-1016	2	5.989	-0.002	18466194	747.8	2	6.293	0.001	13545735	671.8
Aroclor-1016	3	6.104	0.001	3727885	344.0	3	6.453	0.000	1450668	180.2
Aroclor-1016	4	6.357	0.000	28262333	4253.7	4	6.991	0.001	14389362	2275.4
	Total Col1Ave (4 peaks):				1443.6	Total Col2Ave (4 peaks):				879.8 RPD = 49*
	Corrected Ave (3 peaks):				506.9	Corrected Ave (3 peaks):				414.6 RPD = 20
Aroclor-1221	1	4.782	-0.001	250166	70.1	1	5.065	-0.001	188948	60.2
Aroclor-1221	2	4.914	0.005	284830	119.8	2	5.219	-0.022	525140	290.2
Aroclor-1221	3	4.981	-0.005	869388	108.3	3	5.295	-0.028	1785894	323.8
Aroclor-1221	NS	---			----	4	5.825	-0.011	3737588	1675.8
	Total Col1Ave (3 peaks):				99.4	Total Col2Ave (4 peaks):				587.5 RPD = 142*
	Corrected Ave (3 peaks):				99.4	Corrected Ave (3 peaks):				224.7 RPD = 77*
Aroclor-1232	1	4.981	-0.003	869388	129.0	1	5.295	-0.028	1785894	381.4
Aroclor-1232	2	5.693	-0.002	3503127	954.0	2	5.825	0.000	3737588	795.2
Aroclor-1232	3	5.989	-0.001	18466194	1688.1	3	6.293	0.000	13545735	1523.7
Aroclor-1232	4	6.104	-0.001	3727885	750.4	4	6.588	-0.002	2546153	1143.8
	Total Col1Ave (4 peaks):				880.4	Total Col2Ave (4 peaks):				961.0 RPD = 9
	Corrected Ave (3 peaks):				611.1	Corrected Ave (4 peaks):				961.0 RPD = 45*
Aroclor-1242	1	5.693	-0.002	3503127	531.9	1	5.295	-0.028	1785894	459.5
Aroclor-1242	2	5.989	-0.002	18466194	934.4	2	5.825	0.001	3737588	491.4
Aroclor-1242	3	6.104	0.000	3727885	426.2	3	6.293	0.001	13545735	854.4
Aroclor-1242	4	6.732	-0.003	19863245	2372.5	4	6.453	0.000	1450668	228.9
Aroclor-1242	NS	---			----	5	7.349	0.000	21146614	3483.3
	Total Col1Ave (4 peaks):				1066.2	Total Col2Ave (5 peaks):				1103.5 RPD = 3
	Corrected Ave (3 peaks):				630.8	Corrected Ave (4 peaks):				508.6 RPD = 21
Aroclor-1248	1	5.989	-0.003	18466194	1279.9	1	6.293	0.002	13545735	1138.9
Aroclor-1248	2	6.104	-0.002	3727885	678.9	2	6.657	0.001	21108466	3202.5
Aroclor-1248	3	6.357	0.000	28262333	3301.0	3	6.991	0.001	14389362	1860.0
Aroclor-1248	4	6.732	-0.003	19863245	1574.9	4	7.349	0.000	21146614	1973.3
Aroclor-1248	5	7.074	0.000	66110854	3960.1	NS	---			----
	Total Col1Ave (5 peaks):				2159.0	Total Col2Ave (4 peaks):				2043.7 RPD = 5
	Corrected Ave (4 peaks):				1708.7	Corrected Ave (4 peaks):				2043.7 RPD = 18
Aroclor-1254	1	7.322	0.000	76985149	4175.1	1	7.598	0.000	48031497	4368.5
Aroclor-1254	2	7.628	-0.003	51924590	4573.8	2	8.036	0.000	37918520	4526.4
Aroclor-1254	3	7.741	-0.004	106463125	4720.1	3	8.162	0.001	93055013	5157.4
Aroclor-1254	4	8.025	-0.006	116273574	4788.9	4	8.361	-0.003	90695522	4979.9
Aroclor-1254	5	8.333	-0.003	72155763	5058.3	5	8.816	-0.001	52918014	5163.5
	Total Col1Ave (5 peaks):				4663.3	Total Col2Ave (5 peaks):				4839.1 RPD = 4
	Corrected Ave (5 peaks):				4663.3	Corrected Ave (5 peaks):				4839.1 RPD = 4
Aroclor-1260	1	8.778	-0.002	16315161	858.0	1	9.074	0.002	9532458	712.7
Aroclor-1260	2	9.048	0.000	12582072	781.5	2	9.142	0.001	12503620	1651.2
Aroclor-1260	3	9.351	0.003	36468487	860.2	3	9.668	0.004	27469362	860.5
Aroclor-1260	4	9.688	-0.002	19827650	1010.4	4	10.106	0.003	7073540	820.0
Aroclor-1260	5	9.842	0.002	5562799	457.8	5	10.155	0.002	19957829	1003.6
	Total Col1Ave (5 peaks):				793.6	Total Col2Ave (5 peaks):				1009.6 RPD = 24
	Corrected Ave (5 peaks):				793.6	Corrected Ave (5 peaks):				1009.6 RPD = 24
Aroclor-1262	1	9.048	-0.002	12582072	581.1	1	9.074	0.001	9532458	436.8
Aroclor-1262	2	9.351	0.001	36468487	668.5	2	9.668	0.002	27469362	679.8
Aroclor-1262	3	9.688	-0.002	19827650	1189.5	3	10.106	0.004	7073540	415.3
Aroclor-1262	4	9.842	0.001	5562799	232.5	4	10.155	-0.002	19957829	760.1
Aroclor-1262	5	10.386	0.001	8950264	493.3	5	10.748	0.003	7097669	550.7
	Total Col1Ave (5 peaks):				633.0	Total Col2Ave (5 peaks):				568.6 RPD = 11
	Corrected Ave (4 peaks):				493.9	Corrected Ave (5 peaks):				568.6 RPD = 14
Aroclor-1268	1	9.781	0.003	4488233	74.5	1	10.106	0.006	7073540	175.4
Aroclor-1268	2	9.842	0.004	5562799	97.1	2	10.155	-0.003	19957829	521.2
Aroclor-1268	3	10.182	0.021	2905366	60.0	3	10.500	0.007	574420	19.0

Aroclor-1268	4	10.805	0.005	2347662	18.1	4	11.154	0.003	890700	10.1

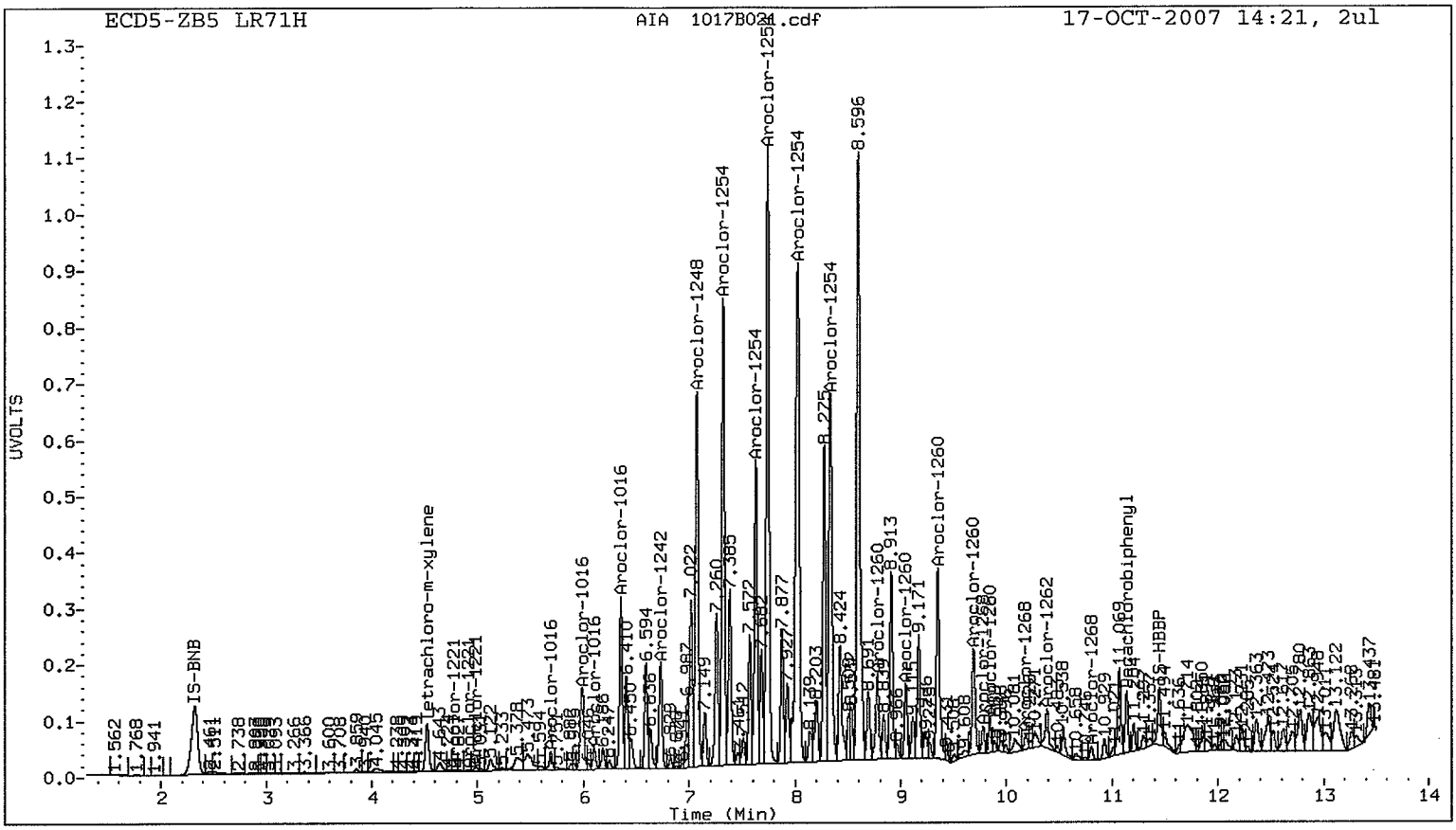
Total Col1Ave (4 peaks): 62.4 Total Col2Ave (4 peaks): 181.4 RPD = 98*

Corrected Ave (4 peaks): 62.4 Corrected Ave (3 peaks): 68.2 RPD = 9

Total PCB Area Col1 (4.623 - 11.035) = 1282383286 Col1 Total PCB = 6.6 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 966807013 Col2 Total PCB = 6.9 ppm*

* Quantitated against AR1660 0.25ppm in Ical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Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
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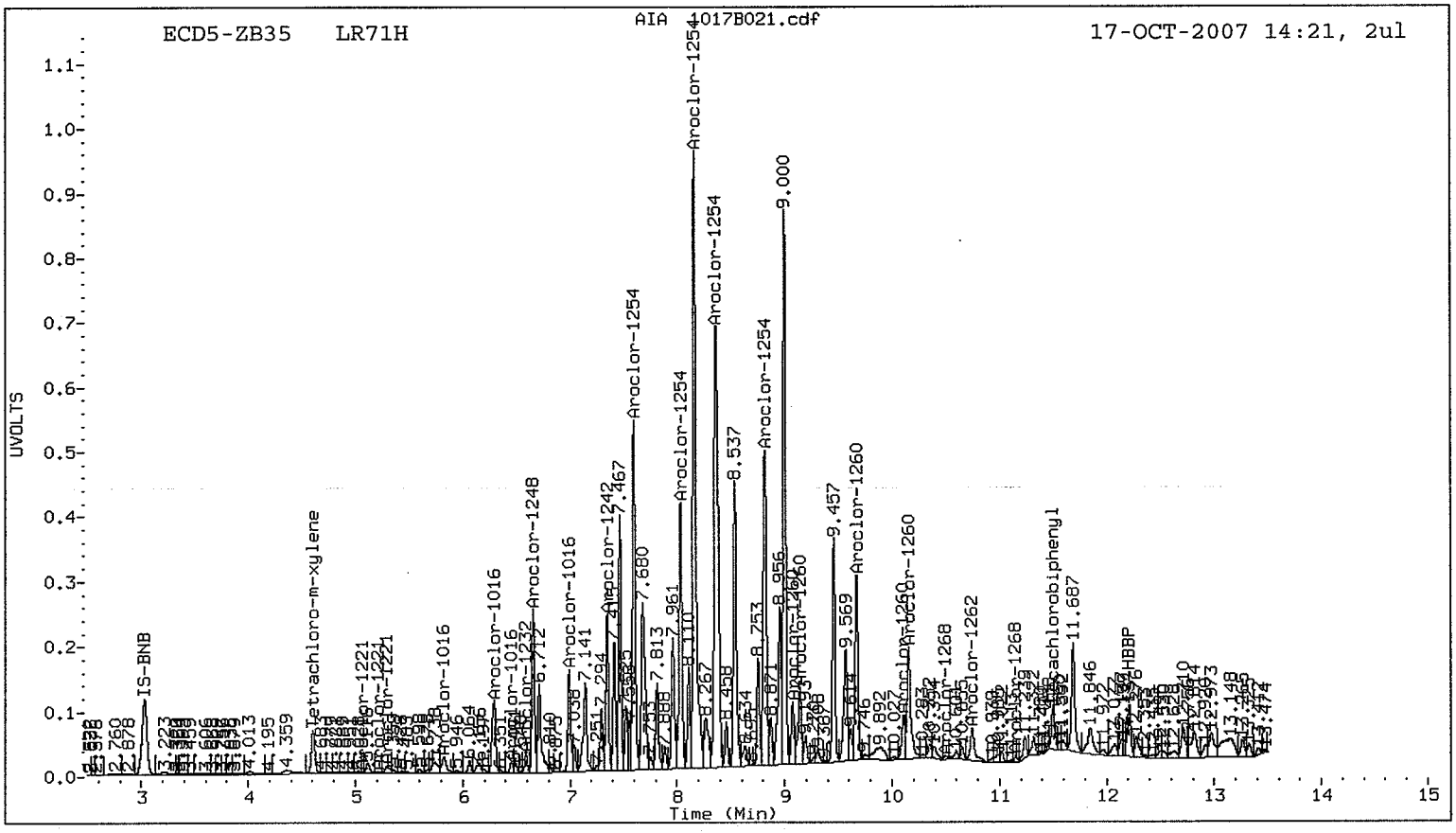
Aroclor-1268
Decachlorobiphenyl
HBBP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Time (Min)
IS-BNB
Tetrachloro-m-xylene
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Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
HBBP

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-04
DILUTION

Lab Sample ID: LR71H
LIMS ID: 07-20773
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 18:04
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 10.0
Silica Gel: No

Percent Moisture: 36.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	39	< 39 U
53469-21-9	Aroclor 1242	39	< 39 U
12672-29-6	Aroclor 1248	79	< 79 Y
11097-69-1	**Aroclor 1254**	**39**	**180**
11096-82-5	Aroclor 1260	39	< 39 U
11104-28-2	Aroclor 1221	39	< 39 U
11141-16-5	Aroclor 1232	39	< 39 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	107%
Tetrachlorometaxylene	85.5%

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B034.d
Data file 2: 20071016.b/1017-2.b/1017B034.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71H
Client ID: AN-SS-04
Injection Date: 17-OCT-2007 18:04
Report Date: 10/18/2007 09:43
Matrix: SOIL
Dilution Factor: 10.000

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
4.524	0.001	1420334	4.606	0.001	905321	3.4	3.3	4.1	Tetrachloro-m-xylene
11.134	-0.001	1252444	11.494	-0.003	591163	4.3	3.9	9.7	Decachlorobiphenyl MN

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	85.6	82.2
Decachlorobiphenyl	107.0	97.2

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	31648776	0.3
Hexabromobiphenyl	9983366	9212077	-7.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	20953076	3.1
Hexabromobiphenyl	6610345	6333393	-4.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	5.694	-0.001	442604	44.3	1	5.825	0.001	336805	32.5
Aroclor-1016	2	5.994	0.003	2357017	78.1	2	6.294	0.001	1695435	77.4
Aroclor-1016	3	6.106	0.003	537853	40.6	3	6.454	0.001	211977	24.2
Aroclor-1016	4	6.358	0.001	3355867	413.1	4	6.990	0.000	1574235	229.2
Total Col1Ave (4 peaks):					144.0	Total Col2Ave (4 peaks):				90.9 RPD = 45*
Corrected Ave (3 peaks):					54.3	Corrected Ave (3 peaks):				44.7 RPD = 19
Aroclor-1221	1	4.723	-0.060	1153892	264.5	1	5.062	-0.003	14355	4.2
Aroclor-1221	2	4.910	0.001	106665	36.7	2	5.293	0.053	324965	165.4
Aroclor-1221	3	4.984	-0.002	161410	16.4	3	---			0.0
Aroclor-1221	NS	---			----	4	5.825	-0.011	336805	139.1
Total Col1Ave (3 peaks):					105.9	Total Col2Ave (3 peaks):				102.9 RPD = 3
Corrected Ave: < 3 Peaks						Corrected Ave (3 peaks):				102.9
Aroclor-1232	1	4.984	0.000	161410	19.6	1	5.293	-0.030	324965	63.9
Aroclor-1232	2	5.694	-0.001	442604	98.6	2	5.825	0.000	336805	66.0
Aroclor-1232	3	5.994	0.003	2357017	176.2	3	6.294	0.000	1695435	175.6
Aroclor-1232	4	6.106	0.001	537853	88.6	4	6.590	0.000	319863	132.3
Total Col1Ave (4 peaks):					95.7	Total Col2Ave (4 peaks):				109.5 RPD = 13
Corrected Ave (3 peaks):					68.9	Corrected Ave (4 peaks):				109.5 RPD = 45*
Aroclor-1242	1	5.694	-0.001	442604	55.0	1	5.293	-0.029	324965	77.0
Aroclor-1242	2	5.994	0.002	2357017	97.5	2	5.825	0.001	336805	40.8
Aroclor-1242	3	6.106	0.002	537853	50.3	3	6.294	0.001	1695435	98.5
Aroclor-1242	4	6.733	-0.002	2448036	239.2	4	6.454	0.001	211977	30.8
Aroclor-1242	NS	---			----	5	7.349	0.000	2297581	348.5
Total Col1Ave (4 peaks):					110.5	Total Col2Ave (5 peaks):				119.1 RPD = 8
Corrected Ave (3 peaks):					67.6	Corrected Ave (4 peaks):				61.8 RPD = 9
Aroclor-1248	1	5.994	0.002	2357017	133.6	1	6.294	0.003	1695435	131.3
Aroclor-1248	2	6.106	0.000	537853	80.1	2	6.656	0.001	2398445	335.1
Aroclor-1248	3	6.358	0.000	3355867	320.6	3	6.990	0.000	1574235	187.4
Aroclor-1248	4	6.733	-0.003	2448036	158.8	4	7.349	0.000	2297581	197.4
Aroclor-1248	5	7.075	0.001	7839823	384.1	NS	---			----
Total Col1Ave (5 peaks):					215.4	Total Col2Ave (4 peaks):				212.8 RPD = 1
Corrected Ave (4 peaks):					173.3	Corrected Ave (4 peaks):				212.8 RPD = 20
Aroclor-1254	1	7.321	-0.002	8851533	392.6	1	7.597	0.000	4955594	415.0
Aroclor-1254	2	7.629	-0.002	5691011	410.0	2	8.035	-0.001	3825481	420.5
Aroclor-1254	3	7.741	-0.004	11813637	428.4	3	8.160	-0.002	9257118	472.4
Aroclor-1254	4	8.026	-0.006	12653377	426.3	4	8.360	-0.004	9083845	459.3
Aroclor-1254	5	8.334	-0.002	7635366	437.8	5	8.815	-0.002	5167061	464.3
Total Col1Ave (5 peaks):					419.0	Total Col2Ave (5 peaks):				446.3 RPD = 6
Corrected Ave (5 peaks):					419.0	Corrected Ave (5 peaks):				446.3 RPD = 6
Aroclor-1260	1	8.780	0.000	1759483	106.6	1	9.072	0.000	994035	102.0
Aroclor-1260	2	9.049	0.001	1400711	100.2	2	9.140	-0.001	1229051	222.7
Aroclor-1260	3	9.348	-0.001	3955934	107.5	3	9.665	0.001	2679669	115.2
Aroclor-1260	4	9.685	-0.004	2116845	124.3	4	10.104	0.000	658912	104.8
Aroclor-1260	5	9.840	0.000	636997	60.4	5	10.151	-0.003	1909169	131.7
Total Col1Ave (5 peaks):					99.8	Total Col2Ave (5 peaks):				135.3 RPD = 30
Corrected Ave (5 peaks):					99.8	Corrected Ave (5 peaks):				135.3 RPD = 30
Aroclor-1262	1	9.049	-0.001	1400711	74.5	1	9.072	-0.001	994035	62.5
Aroclor-1262	2	9.348	-0.002	3955934	83.5	2	9.665	-0.001	2679669	91.0
Aroclor-1262	3	9.685	-0.005	2116845	146.3	3	10.104	0.001	658912	53.1
Aroclor-1262	4	9.840	-0.002	636997	30.7	4	10.151	-0.006	1909169	99.8
Aroclor-1262	5	10.383	-0.002	889168	56.5	5	10.745	-0.001	561223	59.7
Total Col1Ave (5 peaks):					78.3	Total Col2Ave (5 peaks):				73.2 RPD = 7
Corrected Ave (4 peaks):					61.3	Corrected Ave (5 peaks):				73.2 RPD = 18
Aroclor-1268	1	9.776	-0.002	564361	10.8	1	10.104	0.003	658912	22.4
Aroclor-1268	2	9.840	0.002	636997	12.8	2	10.151	-0.008	1909169	68.4
Aroclor-1268	3	10.178	0.016	247807	5.9	3	10.491	-0.002	39287	1.8

2004

Aroclor-1268	4	10.809	0.010	793667	7.0	4	11.150	-0.001	102599	1.6

Total Col1Ave (4 peaks): 9.1 Total Col2Ave (4 peaks): 23.6 RPD = 88*

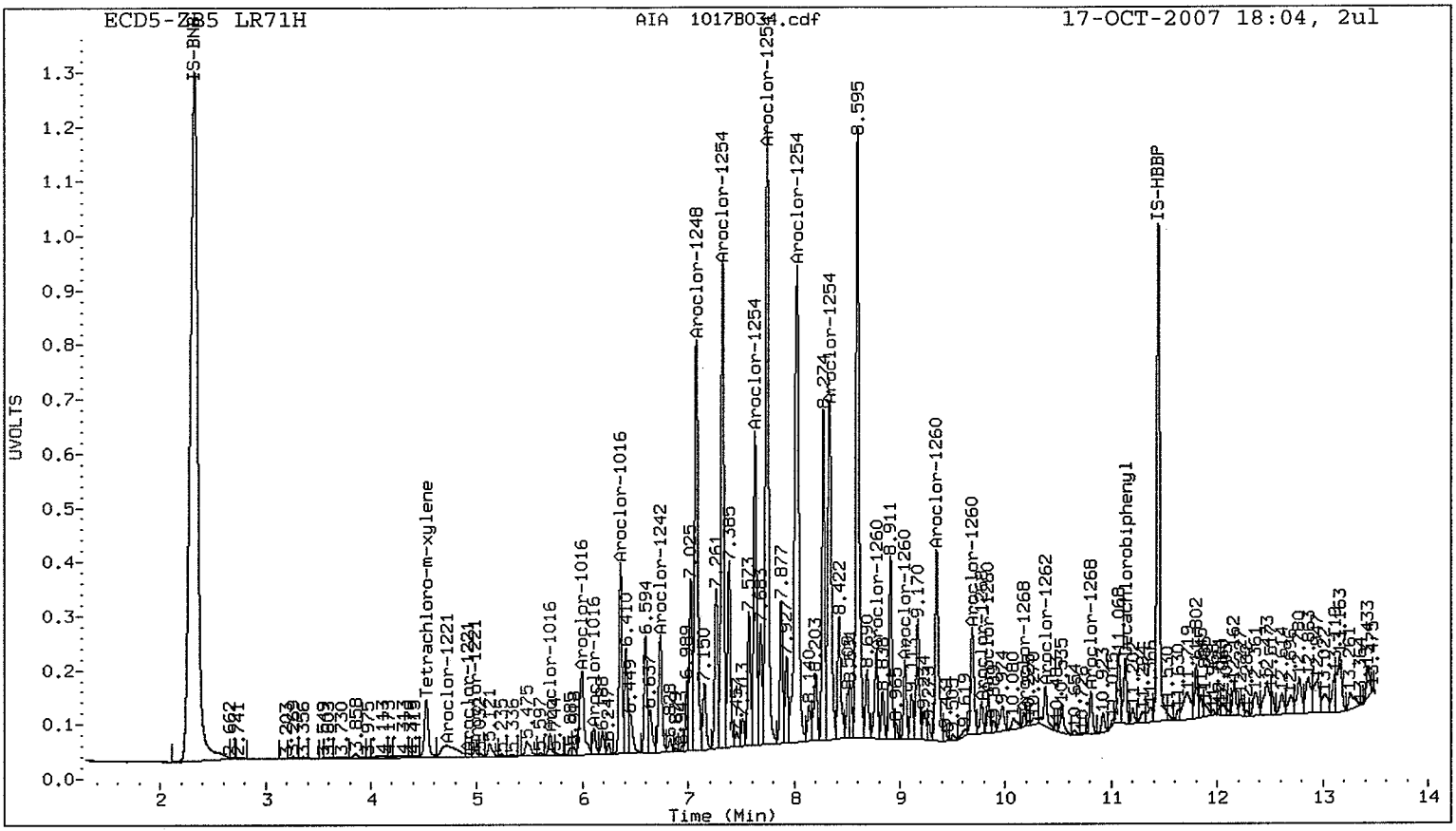
Corrected Ave (4 peaks): 9.1 Corrected Ave (3 peaks): 8.6 RPD = 6

Total PCB Area Col1 (4.623 - 11.035) = 143780455 Col1 Total PCB = 0.6 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 101195654 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.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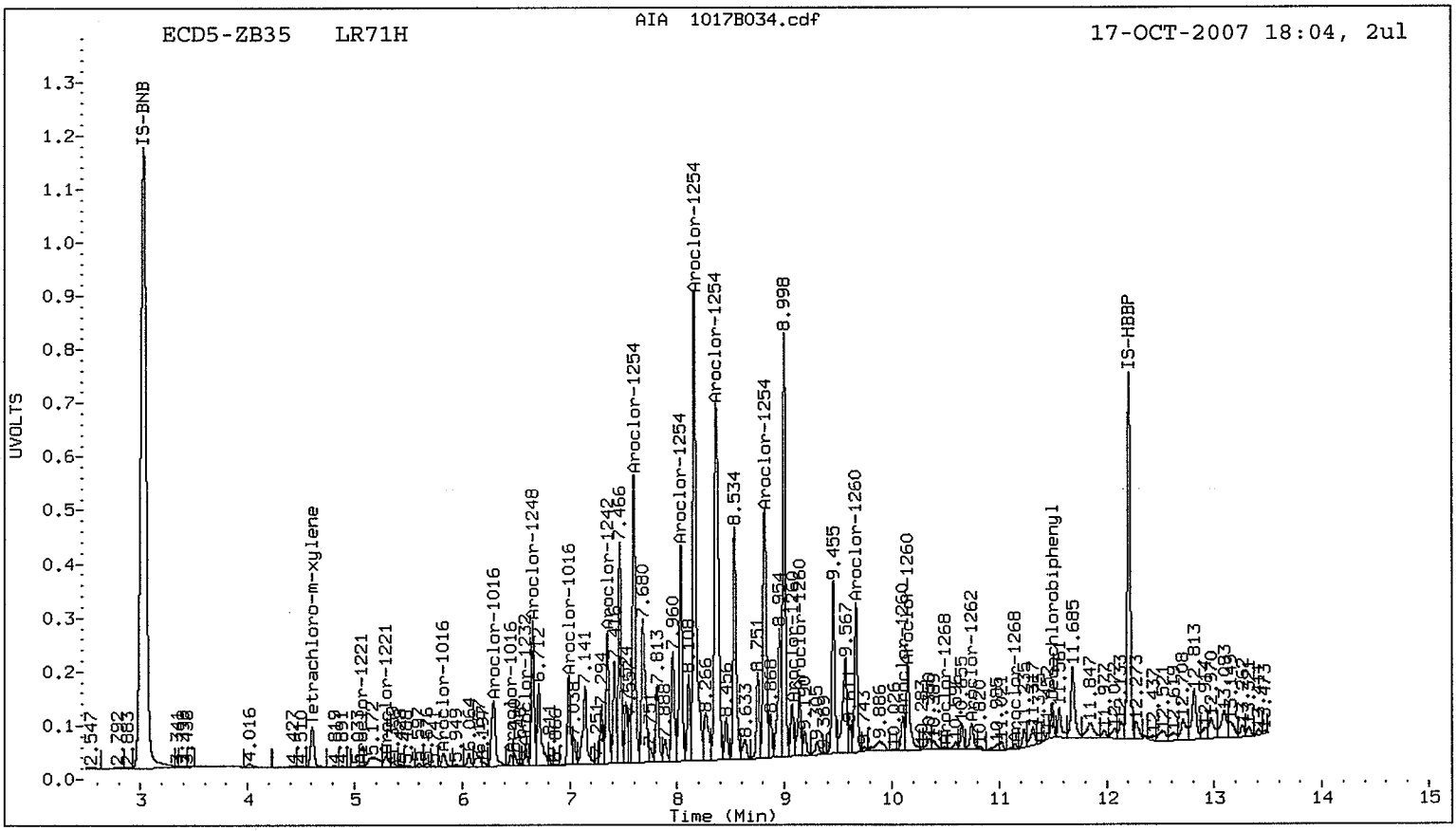
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP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Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-05
SAMPLE

Lab Sample ID: LR71I
LIMS ID: 07-20774
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 14:39
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 48.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	Aroclor 1254	3.9	< 3.9 U
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	94.5%
Tetrachlorometaxylene	88.5%

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B022.d
Data file 2: 20071016.b/1017-2.b/1017B022.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71I
Client ID: AN-SS-05
Injection Date: 17-OCT-2007 14:39
Report Date: 10/17/2007 15:17
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.521	-0.002	12435665	4.608	0.003	7714756	35.4	32.2	9.6	Tetrachloro-m-xylene MN
11.135	0.000	9345854	11.497	0.000	6608451	34.1	37.8	10.3	Decachlorobiphenyl MN

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	88.6	80.4
Decachlorobiphenyl	85.3	94.5

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	26785157	-15.2
Hexabromobiphenyl	9983366	8627398	-13.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	18237246	-10.3
Hexabromobiphenyl	6610345	7277244	10.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	5.696	0.001	24118861	2852.8	1	5.816	-0.008	99460	11.0
Aroclor-1016	2	6.053	0.062	13415488	525.1	2	6.299	0.007	481784	25.3
Aroclor-1016	3	6.053	-0.050	13415488	1196.5	3	6.438	-0.015	103284	13.6
Aroclor-1016	4	6.328	-0.029	1002863	145.9	4	6.981	-0.009	67096	11.2
Total Col1Ave (4 peaks):		1180.1				Total Col2Ave (4 peaks):			15.3	RPD = 195*
Corrected Ave (3 peaks):		622.5				Corrected Ave (4 peaks):			15.3	RPD = 190*
Aroclor-1221	1	4.834	0.051	733239	198.6	1	5.111	0.045	2122017	715.3
Aroclor-1221	2	4.906	-0.003	344883	140.2	2	5.294	0.054	1079804	631.4
Aroclor-1221	3	4.998	0.012	1031198	124.1	3	---			0.0
Aroclor-1221	NS	---			----	4	5.837	0.001	25136	11.9
Total Col1Ave (3 peaks):		154.3				Total Col2Ave (3 peaks):			452.9	RPD = 98*
Corrected Ave (3 peaks):		154.3				Corrected Ave (3 peaks):			452.9	RPD = 98*
Aroclor-1232	1	4.998	0.014	1031198	147.9	1	5.294	-0.028	1079804	244.0
Aroclor-1232	2	5.696	0.001	24118861	6347.7	2	5.816	-0.009	99460	22.4
Aroclor-1232	3	6.053	0.062	13415488	1185.2	3	6.299	0.006	481784	57.3
Aroclor-1232	4	6.053	-0.052	13415488	2610.0	4	6.537	-0.052	350202	166.4
Total Col1Ave (4 peaks):		2572.7				Total Col2Ave (4 peaks):			122.5	RPD = 182*
Corrected Ave (3 peaks):		1314.4				Corrected Ave (3 peaks):			82.1	RPD = 176*
Aroclor-1242	1	5.696	0.000	24118861	3539.1	1	5.294	-0.028	1079804	293.9
Aroclor-1242	2	6.053	0.061	13415488	656.0	2	5.816	-0.008	99460	13.8
Aroclor-1242	3	6.053	-0.051	13415488	1482.3	3	6.299	0.007	481784	32.2
Aroclor-1242	4	6.738	0.003	263589	30.4	4	6.438	-0.015	103284	17.2
Aroclor-1242	NS	---			----	5	7.349	0.000	153916	26.8
Total Col1Ave (4 peaks):		1426.9				Total Col2Ave (5 peaks):			76.8	RPD = 180*
Corrected Ave (3 peaks):		722.9				Corrected Ave (4 peaks):			22.5	RPD = 188*
Aroclor-1248	1	6.053	0.061	13415488	898.6	1	6.299	0.008	481784	42.9
Aroclor-1248	2	6.053	-0.053	13415488	2361.3	2	6.675	0.019	718573	115.3
Aroclor-1248	3	6.328	-0.029	1002863	113.2	3	6.981	-0.009	67096	9.2
Aroclor-1248	4	6.738	0.002	263589	20.2	4	7.349	0.000	153916	15.2
Aroclor-1248	5	7.084	0.010	39725903	2299.8	NS	---			----
Total Col1Ave (5 peaks):		1138.6				Total Col2Ave (4 peaks):			45.6	RPD = 185*
Corrected Ave (3 peaks):		344.0				Corrected Ave (3 peaks):			22.4	RPD = 176*
Aroclor-1254	1	7.329	0.006	868963	45.5	1	7.636	0.039	783108	75.4
Aroclor-1254	2	7.642	0.011	249209	21.2	2	8.035	0.000	725268	91.6
Aroclor-1254	3	7.749	0.005	403561	17.3	3	8.166	0.005	174172	10.2
Aroclor-1254	4	---			0.0	4	8.323	-0.041	1114826	64.8
Aroclor-1254	5	8.327	-0.009	911652	61.8	5	8.837	0.020	595737	61.5
Total Col1Ave (4 peaks):		36.5				Total Col2Ave (5 peaks):			60.7	RPD = 50*
Corrected Ave (4 peaks):		36.5				Corrected Ave (5 peaks):			60.7	RPD = 50*
Aroclor-1260	1	8.772	-0.008	577656	37.4	1	9.114	0.042	2003590	178.9
Aroclor-1260	2	9.021	-0.027	977667	74.7	2	9.152	0.012	458302	72.3
Aroclor-1260	3	9.360	0.011	1288789	37.4	3	9.600	-0.064	3103306	116.1
Aroclor-1260	4	9.710	0.021	1604583	100.6	4	10.070	-0.033	2383994	330.0
Aroclor-1260	5	9.888	0.048	1308461	132.4	5	10.174	0.020	2102227	126.2
Total Col1Ave (5 peaks):		76.5				Total Col2Ave (5 peaks):			164.7	RPD = 73*
Corrected Ave (4 peaks):		62.5				Corrected Ave (4 peaks):			123.4	RPD = 65*
Aroclor-1262	1	9.021	-0.028	977667	55.5	1	9.114	0.041	2003590	109.6
Aroclor-1262	2	9.360	0.010	1288789	29.1	2	9.600	-0.066	3103306	91.7
Aroclor-1262	3	9.710	0.020	1604583	118.4	3	10.070	-0.032	2383994	167.1
Aroclor-1262	4	9.888	0.046	1308461	67.3	4	10.174	0.017	2102227	95.6
Aroclor-1262	5	10.371	-0.015	3838627	260.2	5	10.755	0.010	1648428	152.7
Total Col1Ave (5 peaks):		106.1				Total Col2Ave (5 peaks):			123.4	RPD = 15
Corrected Ave (4 peaks):		67.6				Corrected Ave (5 peaks):			123.4	RPD = 58*
Aroclor-1268	1	9.773	-0.005	426725	8.7	1	10.070	-0.030	2383994	70.6
Aroclor-1268	2	9.888	0.049	1308461	28.1	2	10.174	0.015	2102227	65.6
Aroclor-1268	3	10.135	-0.027	4711912	119.6	3	10.502	0.009	219311	8.7

Aroclor-1268	4	10.809	0.009	551506	5.2	4	11.109	-0.043	393497	5.3

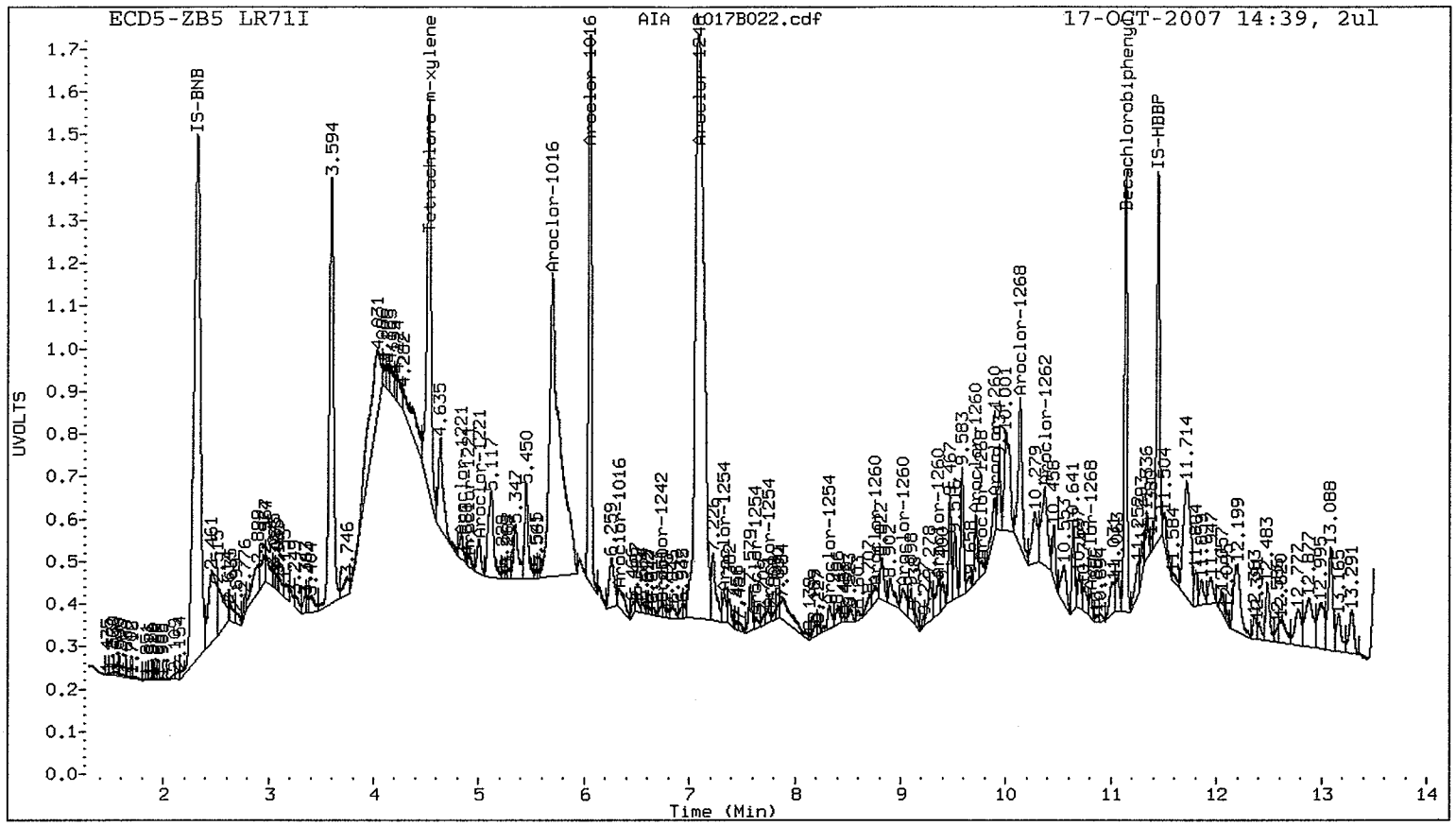
Total Col1Ave (4 peaks): 40.4 Total Col2Ave (4 peaks): 37.5 RPD = 7

Corrected Ave (3 peaks): 14.0 Corrected Ave: < 3 Peaks

Total PCB Area Col1 (4.623 - 11.035) = 154477848 Col1 Total PCB = 0.8 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 83386848 Col2 Total PCB = 0.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical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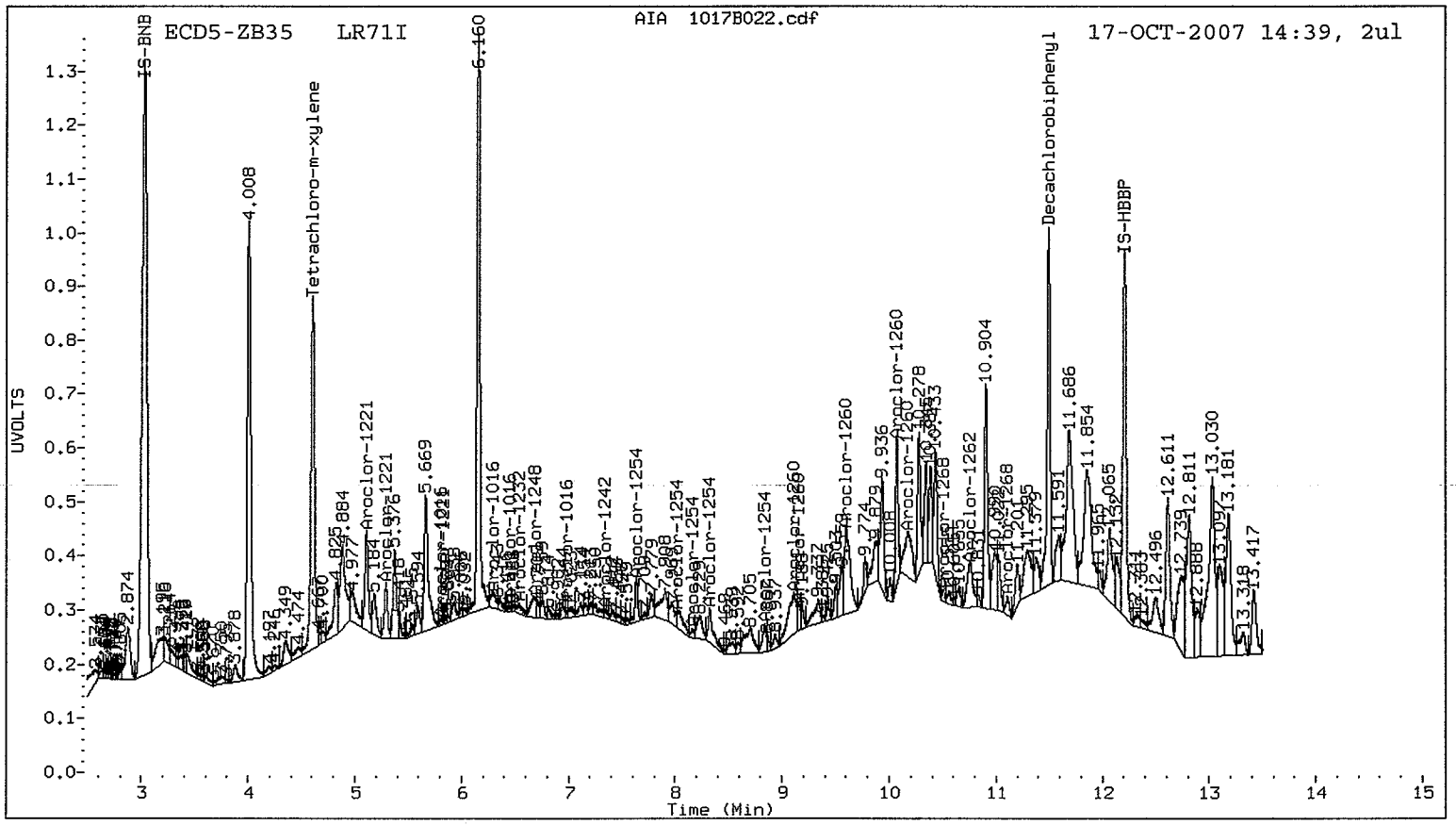
Decachlorobiphenyl
IS-HBBP
UVOLTS
Time (Min)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Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP
UVOLTS
Time (Min)

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-06
SAMPLE

Lab Sample ID: LR71J
LIMS ID: 07-20775
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 14:56
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 22.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	**Aroclor 1254**	**3.9**	**46 E**
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	91.2%
Tetrachlorometaxylene	76.2%

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B023.d
Data file 2: 20071016.b/1017-2.b/1017B023.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71J
Client ID: AN-SS-06
Injection Date: 17-OCT-2007 14:56
Report Date: 10/18/2007 09:49
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
4.522	-0.001	10913588	4.606	0.001	7667623	30.5	30.3	0.4	Tetrachloro-m-xylene MN
11.135	0.000	9974127	11.497	0.000	6155663	36.5	31.9	13.3	Decachlorobiphenyl MN

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	76.2	75.8
Decachlorobiphenyl	91.3	79.9

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	27335710	-13.4
Hexabromobiphenyl	9983366	8603163	-13.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	19224243	-5.4
Hexabromobiphenyl	6610345	8023706	21.4

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	5.692	-0.003	1293378	149.9	1	5.822	-0.003	412753	43.4
Aroclor-1016	2	5.987	-0.004	1747718	67.0	2	6.294	0.001	905508	45.1
Aroclor-1016	3	6.103	0.000	801608	70.1	3	6.452	-0.001	178210	22.2
Aroclor-1016	4	6.356	-0.001	5998892	855.0	4	6.991	0.001	1928668	306.1
	Total Col1Ave (4 peaks):				285.5	Total Col2Ave (4 peaks):				104.2 RPD = 93*
	Corrected Ave (3 peaks):				95.7	Corrected Ave (3 peaks):				36.9 RPD = 89*
Aroclor-1221	1	4.762	-0.021	192544	51.1	1	5.025	-0.041	142965	45.7
Aroclor-1221	2	4.913	0.004	336783	134.1	2	5.205	-0.036	145309	80.6
Aroclor-1221	3	4.992	0.006	404006	47.7	3	5.292	-0.030	1576250	286.8
Aroclor-1221	NS	---			----	4	5.822	-0.015	412753	185.7
	Total Col1Ave (3 peaks):				77.6	Total Col2Ave (4 peaks):				149.7 RPD = 63*
	Corrected Ave: < 3 Peaks					Corrected Ave (3 peaks):				104.0
Aroclor-1232	1	4.992	0.008	404006	56.8	1	5.292	-0.031	1576250	337.9
Aroclor-1232	2	5.692	-0.004	1293378	333.5	2	5.822	-0.004	412753	88.1
Aroclor-1232	3	5.987	-0.004	1747718	151.3	3	6.294	0.000	905508	102.2
Aroclor-1232	4	6.103	-0.002	801608	152.8	4	6.589	-0.001	253741	114.4
	Total Col1Ave (4 peaks):				173.6	Total Col2Ave (4 peaks):				160.7 RPD = 8
	Corrected Ave (3 peaks):				120.3	Corrected Ave (3 peaks):				101.6 RPD = 17
Aroclor-1242	1	5.692	-0.004	1293378	186.0	1	5.292	-0.030	1576250	407.0
Aroclor-1242	2	5.987	-0.005	1747718	83.7	2	5.822	-0.003	412753	54.5
Aroclor-1242	3	6.103	-0.001	801608	86.8	3	6.294	0.001	905508	57.3
Aroclor-1242	4	6.731	-0.004	1323678	149.7	4	6.452	-0.001	178210	28.2
Aroclor-1242	NS	---			----	5	7.349	0.000	3162329	522.8
	Total Col1Ave (4 peaks):				126.6	Total Col2Ave (5 peaks):				214.0 RPD = 51*
	Corrected Ave (4 peaks):				126.6	Corrected Ave (3 peaks):				46.7 RPD = 92*
Aroclor-1248	1	5.987	-0.005	1747718	114.7	1	6.294	0.003	905508	76.4
Aroclor-1248	2	6.103	-0.003	801608	138.2	2	6.656	0.000	3084262	469.6
Aroclor-1248	3	6.356	-0.001	5998892	663.5	3	6.991	0.001	1928668	250.2
Aroclor-1248	4	6.731	-0.005	1323678	99.4	4	7.349	0.000	3162329	296.2
Aroclor-1248	5	7.075	0.001	13260319	752.2	NS	---			----
	Total Col1Ave (5 peaks):				353.6	Total Col2Ave (4 peaks):				273.1 RPD = 26
	Corrected Ave (3 peaks):				117.4	Corrected Ave (3 peaks):				207.6 RPD = 55*
Aroclor-1254	1	7.321	-0.002	19760221	1014.8	1	7.597	-0.001	12148678	1108.9
Aroclor-1254	2	7.628	-0.003	12343752	1029.6	2	8.034	-0.002	8427840	1009.7
Aroclor-1254	3	7.740	-0.005	25209850	1058.4	3	8.160	-0.002	21019777	1169.2
Aroclor-1254	4	8.024	-0.008	30627743	1194.6	4	8.359	-0.005	22840191	1258.7
Aroclor-1254	5	8.330	-0.006	17957161	1192.1	5	8.815	-0.002	13382620	1310.5
	Total Col1Ave (5 peaks):				1097.9	Total Col2Ave (5 peaks):				1171.4 RPD = 6
	Corrected Ave (5 peaks):				1097.9	Corrected Ave (5 peaks):				1171.4 RPD = 6
Aroclor-1260	1	8.778	-0.002	3510531	227.7	1	9.071	-0.001	1976329	160.0
Aroclor-1260	2	9.046	-0.002	3622196	277.5	2	9.139	-0.001	3459063	494.7
Aroclor-1260	3	9.345	-0.003	11507778	334.8	3	9.665	0.001	7147247	242.5
Aroclor-1260	4	9.686	-0.004	6067859	381.4	4	10.103	-0.001	1689871	212.1
Aroclor-1260	5	9.838	-0.002	2008450	203.9	5	10.154	0.000	5156261	280.8
	Total Col1Ave (5 peaks):				285.1	Total Col2Ave (5 peaks):				278.0 RPD = 2
	Corrected Ave (5 peaks):				285.1	Corrected Ave (4 peaks):				223.9 RPD = 24
Aroclor-1262	1	9.046	-0.003	3622196	206.4	1	9.071	-0.003	1976329	98.1
Aroclor-1262	2	9.345	-0.005	11507778	260.2	2	9.665	-0.001	7147247	191.6
Aroclor-1262	3	9.686	-0.004	6067859	449.0	3	10.103	0.000	1689871	107.5
Aroclor-1262	4	9.838	-0.003	2008450	103.5	4	10.154	-0.004	5156261	212.7
Aroclor-1262	5	10.381	-0.004	2659827	180.8	5	10.743	-0.003	1590086	133.6
	Total Col1Ave (5 peaks):				240.0	Total Col2Ave (5 peaks):				148.7 RPD = 47*
	Corrected Ave (4 peaks):				187.7	Corrected Ave (5 peaks):				148.7 RPD = 23
Aroclor-1268	1	9.777	-0.001	1615053	33.1	1	10.103	0.002	1689871	45.4
Aroclor-1268	2	9.838	0.000	2008450	43.2	2	10.154	-0.005	5156261	145.8
Aroclor-1268	3	10.179	0.018	931324	23.7	3	10.494	0.001	319888	11.5

Aroclor-1268	4	10.806	0.006	1342721	12.8	4	11.153	0.002	468975	5.8

Total Col1Ave (4 peaks): 28.2 Total Col2Ave (4 peaks): 52.1 RPD = 60*

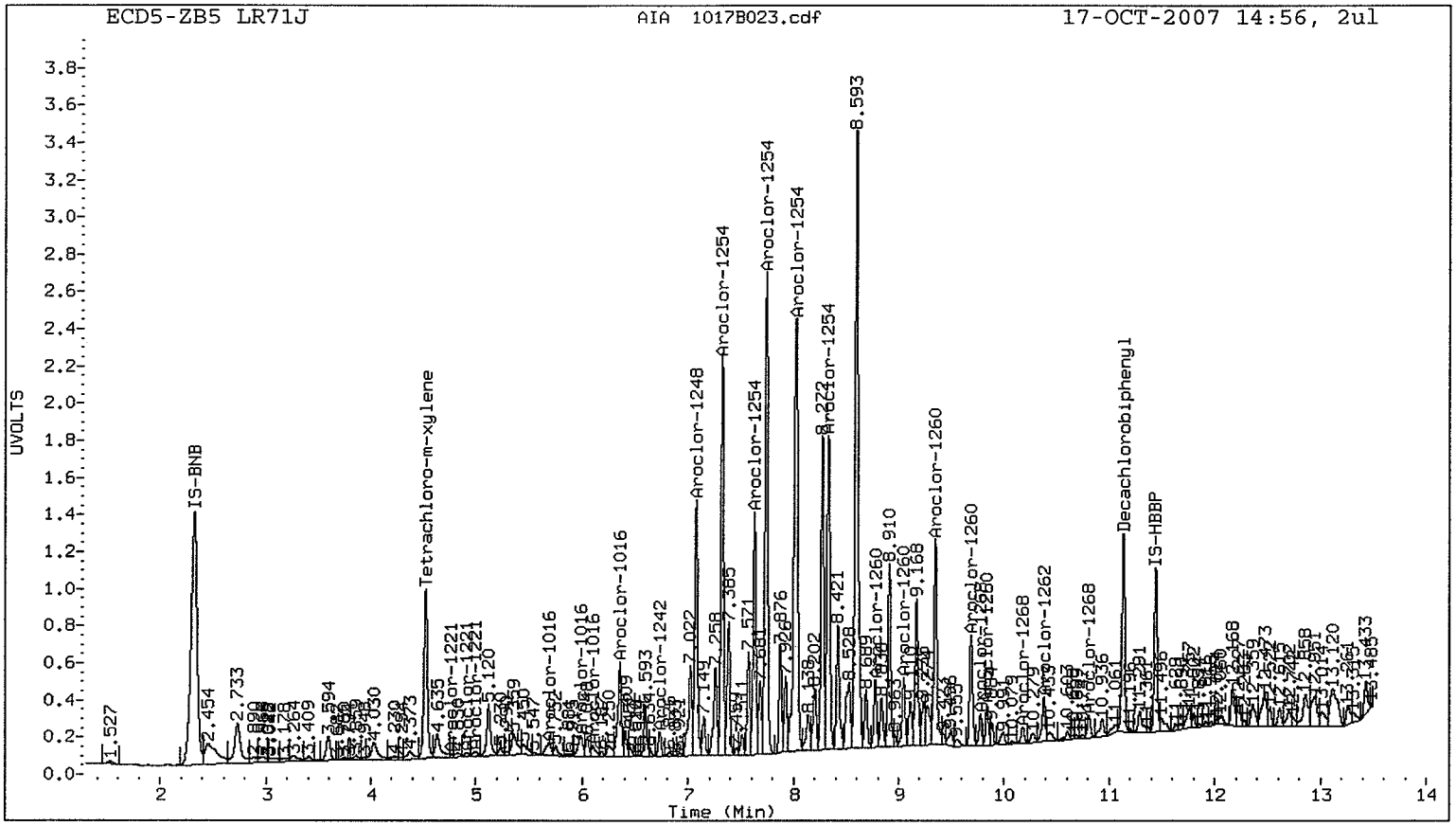
Corrected Ave (4 peaks): 28.2 Corrected Ave (3 peaks): 20.9 RPD = 30

Total PCB Area Col1 (4.623 - 11.035) = 329985606 Col1 Total PCB = 1.6 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 227015832 Col2 Total PCB = 1.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.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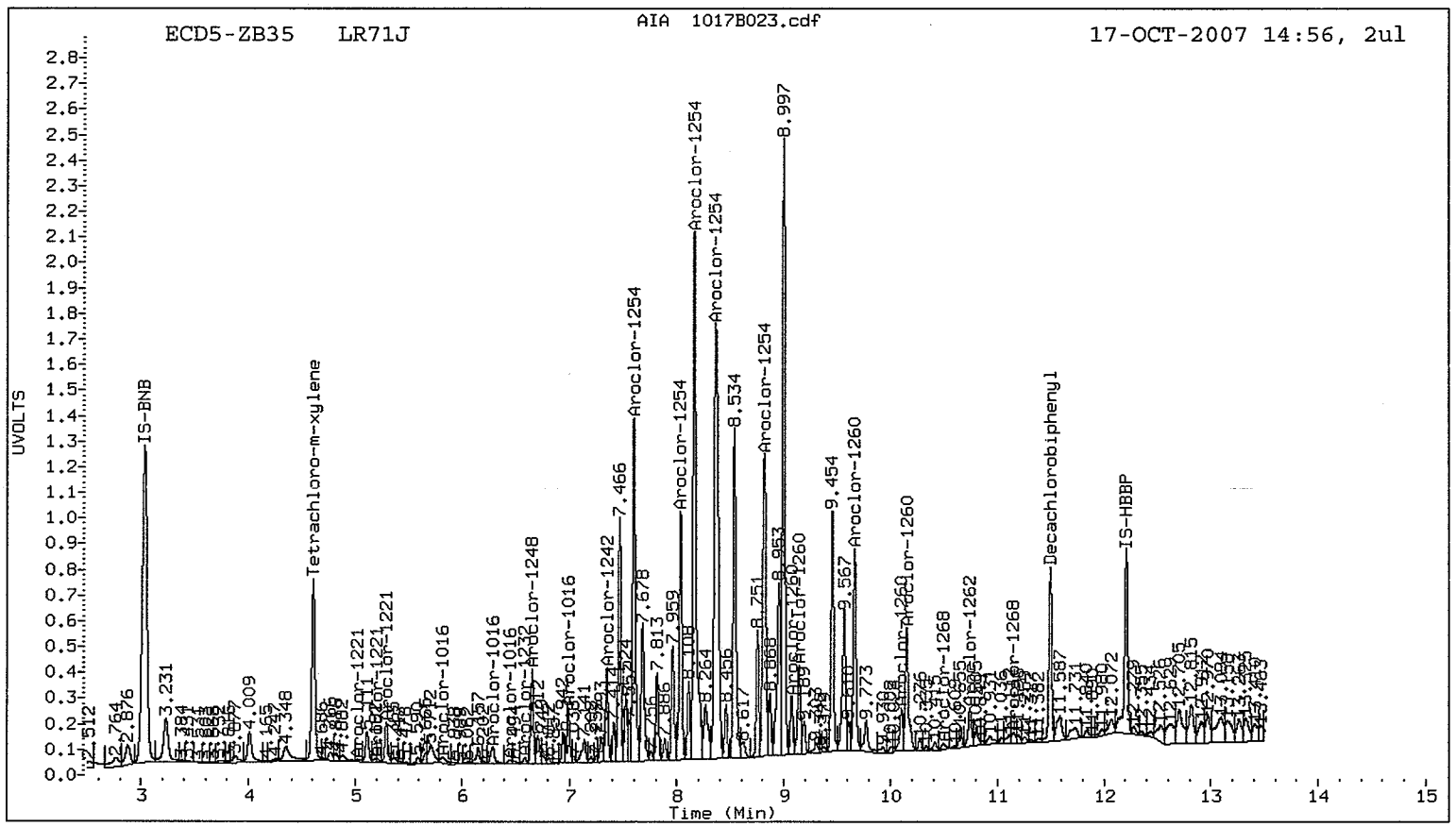
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP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Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-06
DILUTION

Lab Sample ID: LR71J
LIMS ID: 07-20775
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 18:22
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Silica Gel: No

Percent Moisture: 22.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	12	< 12 U
53469-21-9	Aroclor 1242	12	< 12 U
12672-29-6	Aroclor 1248	12	< 12 U
11097-69-1	**Aroclor 1254**	**12**	**45**
11096-82-5	Aroclor 1260	12	< 12 U
11104-28-2	Aroclor 1221	12	< 12 U
11141-16-5	Aroclor 1232	12	< 12 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	95.2%
Tetrachlorometaxylene	88.5%

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B035.d
Data file 2: 20071016.b/1017-2.b/1017B035.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71J
Client ID: AN-SS-06
Injection Date: 17-OCT-2007 18:22
Report Date: 10/18/2007 09:43
Matrix: SOIL
Dilution Factor: 3.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.522	-0.001	4224205	4.605	0.000	3183085	11.0	11.8	7.6	Tetrachloro-m-xylene M
11.133	-0.002	3453966	11.495	-0.001	1854090	12.1	12.7	5.1	DecachlorobiphenylN

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	82.1	88.6
Decachlorobiphenyl	90.8	95.6

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	29440958	-6.7
Hexabromobiphenyl	9983366	8981736	-10.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	20496114	0.8
Hexabromobiphenyl	6610345	6059703	-8.3

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

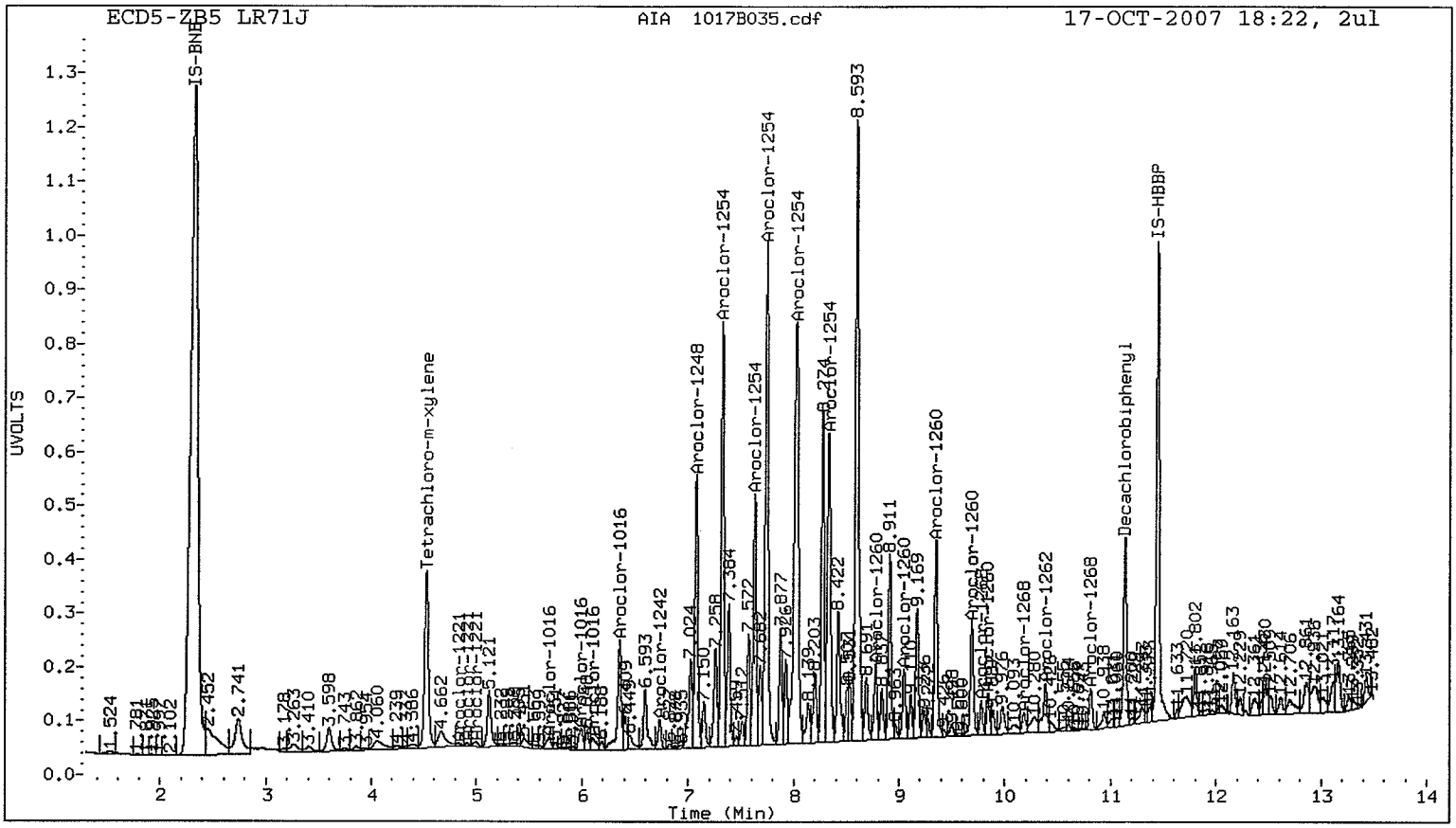
Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	5.692	-0.004	342838	36.9	1	5.824	0.000	264416	26.1
Aroclor-1016	2	5.993	0.002	551157	19.6	2	6.293	0.000	341148	15.9
Aroclor-1016	3	6.102	0.000	373193	30.3	3	6.453	0.000	70000	8.2
Aroclor-1016	4	6.356	-0.001	2529051	334.7	4	6.991	0.001	822201	122.4
	Total Col1Ave (4 peaks):				105.4		Total Col2Ave (4 peaks):			43.1 RPD = 84*
	Corrected Ave (3 peaks):				28.9		Corrected Ave (3 peaks):			16.7 RPD = 53*
Aroclor-1221	1	4.827	0.044	117640	29.0	1	5.032	-0.034	120532	36.1
Aroclor-1221	2	4.914	0.005	92357	34.2	2	5.293	0.053	669607	348.4
Aroclor-1221	3	4.994	0.008	145919	16.0	3	---			0.0
Aroclor-1221	NS	---			----	4	5.824	-0.012	264416	111.6
	Total Col1Ave (3 peaks):				26.4		Total Col2Ave (3 peaks):			165.4 RPD = 145*
	Corrected Ave (3 peaks):				26.4		Corrected Ave: < 3 Peaks			
Aroclor-1232	1	4.994	0.011	145919	19.0	1	5.293	-0.030	669607	134.6
Aroclor-1232	2	5.692	-0.004	342838	82.1	2	5.824	-0.001	264416	53.0
Aroclor-1232	3	5.993	0.002	551157	44.3	3	6.293	-0.001	341148	36.1
Aroclor-1232	4	6.102	-0.002	373193	66.1	4	6.588	-0.001	104065	44.0
	Total Col1Ave (4 peaks):				52.9		Total Col2Ave (4 peaks):			66.9 RPD = 23
	Corrected Ave (4 peaks):				52.9		Corrected Ave (3 peaks):			44.4 RPD = 18
Aroclor-1242	1	5.692	-0.004	342838	45.8	1	5.293	-0.030	669607	162.2
Aroclor-1242	2	5.993	0.001	551157	24.5	2	5.824	0.000	264416	32.7
Aroclor-1242	3	6.102	-0.002	373193	37.5	3	6.293	0.000	341148	20.3
Aroclor-1242	4	6.732	-0.004	574086	60.3	4	6.453	0.000	70000	10.4
Aroclor-1242	NS	---			----	5	7.349	0.000	1209796	187.6
	Total Col1Ave (4 peaks):				42.0		Total Col2Ave (5 peaks):			82.6 RPD = 65*
	Corrected Ave (4 peaks):				42.0		Corrected Ave (3 peaks):			21.1 RPD = 66*
Aroclor-1248	1	5.993	0.001	551157	33.6	1	6.293	0.002	341148	27.0
Aroclor-1248	2	6.102	-0.003	373193	59.8	2	6.655	0.000	1202318	171.7
Aroclor-1248	3	6.356	-0.002	2529051	259.7	3	6.991	0.001	822201	100.0
Aroclor-1248	4	6.732	-0.004	574086	40.0	4	7.349	0.000	1209796	106.3
Aroclor-1248	5	7.075	0.001	4983042	262.4	NS	---			----
	Total Col1Ave (5 peaks):				131.1		Total Col2Ave (4 peaks):			101.3 RPD = 26
	Corrected Ave (3 peaks):				44.5		Corrected Ave (4 peaks):			101.3 RPD = 78*
Aroclor-1254	1	7.321	-0.001	7514753	358.3	1	7.597	0.000	4290392	367.3
Aroclor-1254	2	7.630	-0.002	4644679	359.7	2	8.034	-0.002	3038122	341.4
Aroclor-1254	3	7.741	-0.004	9500139	370.3	3	8.160	-0.002	7332209	382.5
Aroclor-1254	4	8.024	-0.008	11473910	415.5	4	8.362	-0.002	7989299	412.9
Aroclor-1254	5	8.331	-0.005	6598590	406.7	5	8.814	-0.003	4447168	408.5
	Total Col1Ave (5 peaks):				382.1		Total Col2Ave (5 peaks):			382.5 RPD = 0
	Corrected Ave (5 peaks):				382.1		Corrected Ave (5 peaks):			382.5 RPD = 0
Aroclor-1260	1	8.779	-0.001	1451873	90.2	1	9.071	-0.002	800642	85.8
Aroclor-1260	2	9.047	-0.001	1339992	98.3	2	9.141	0.001	1106087	209.5
Aroclor-1260	3	9.348	-0.001	3611017	100.6	3	9.665	0.001	2389061	107.3
Aroclor-1260	4	9.688	-0.002	2304731	138.8	4	10.104	0.001	600260	99.8
Aroclor-1260	5	9.839	-0.001	741524	72.1	5	10.152	-0.002	1874167	135.1
	Total Col1Ave (5 peaks):				100.0		Total Col2Ave (5 peaks):			127.5 RPD = 24
	Corrected Ave (5 peaks):				100.0		Corrected Ave (5 peaks):			127.5 RPD = 24
Aroclor-1262	1	9.047	-0.003	1339992	73.1	1	9.071	-0.003	800642	52.6
Aroclor-1262	2	9.348	-0.003	3611017	78.2	2	9.665	-0.001	2389061	84.8
Aroclor-1262	3	9.688	-0.003	2304731	163.4	3	10.104	0.002	600260	50.5
Aroclor-1262	4	9.839	-0.003	741524	36.6	4	10.152	-0.005	1874167	102.4
Aroclor-1262	5	10.382	-0.004	1218084	79.3	5	10.743	-0.002	523136	58.2
	Total Col1Ave (5 peaks):				86.1		Total Col2Ave (5 peaks):			69.7 RPD = 21
	Corrected Ave (4 peaks):				66.8		Corrected Ave (5 peaks):			69.7 RPD = 4
Aroclor-1268	1	9.776	-0.002	585042	11.5	1	10.104	0.004	600260	21.3
Aroclor-1268	2	9.839	0.001	741524	15.3	2	10.152	-0.006	1874167	70.2
Aroclor-1268	3	10.179	0.018	459021	11.2	3	10.500	0.007	46789	2.2

Aroclor-1268	4	10.809	0.010	786127	7.2	4	11.150	-0.001	116200	1.9
	Total Col1Ave (4 peaks):			11.3		Total Col2Ave (4 peaks):			23.9	RPD = 72*
	Corrected Ave (4 peaks):			11.3		Corrected Ave (3 peaks):			8.5	RPD = 28

Total PCB Area Col1 (4.623 - 11.035) = 122342045 Col1 Total PCB = 0.6 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 81520840 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical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Time (Min)
IS-BNB
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Aroclor-1221
Aroclor-1232
Aroclor-1242
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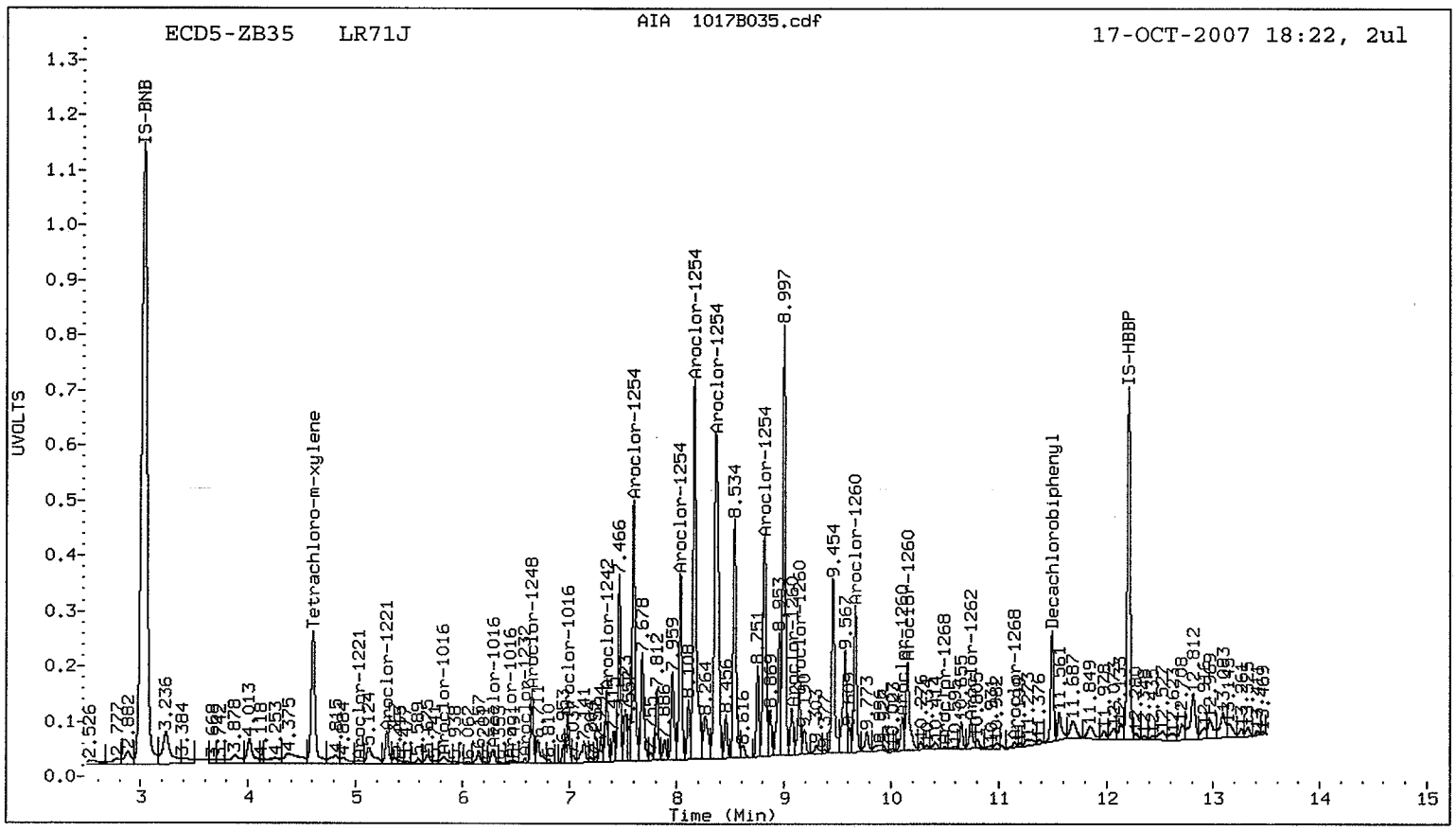
Decachlorobiphenyl
IS-HBBP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Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-08
SAMPLE

Lab Sample ID: LR71K
LIMS ID: 07-20776
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/18/07 09:53
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 0.61 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 41.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	82	< 82 U
53469-21-9	Aroclor 1242	82	< 82 U
12672-29-6	Aroclor 1248	82	< 82 U
11097-69-1	**Aroclor 1254**	**82**	**100**
11096-82-5	Aroclor 1260	82	< 82 U
11104-28-2	Aroclor 1221	82	< 82 U
11141-16-5	Aroclor 1232	82	< 82 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	98.8%
Tetrachlorometaxylene	76.2%

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1018-1.b/1018B003.d
Data file 2: 20071016.b/1018-2.b/1018B003.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71K
Client ID: AN-SS-08
Injection Date: 18-OCT-2007 09:53
Report Date: 10/18/2007 15:33
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.528	0.005	11352746	4.608	0.003	7836083	30.5	30.5	0.2	Tetrachloro-m-xylene M
11.137	0.002	9808478	11.497	0.001	5438026	38.2	39.5	3.2	Decachlorobiphenyl M

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	76.1	76.3
Decachlorobiphenyl	95.6	98.7

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	28444578	-9.9
Hexabromobiphenyl	9983366	8078427	-19.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	19525495	-3.9
Hexabromobiphenyl	6610345	5733646	-13.3

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

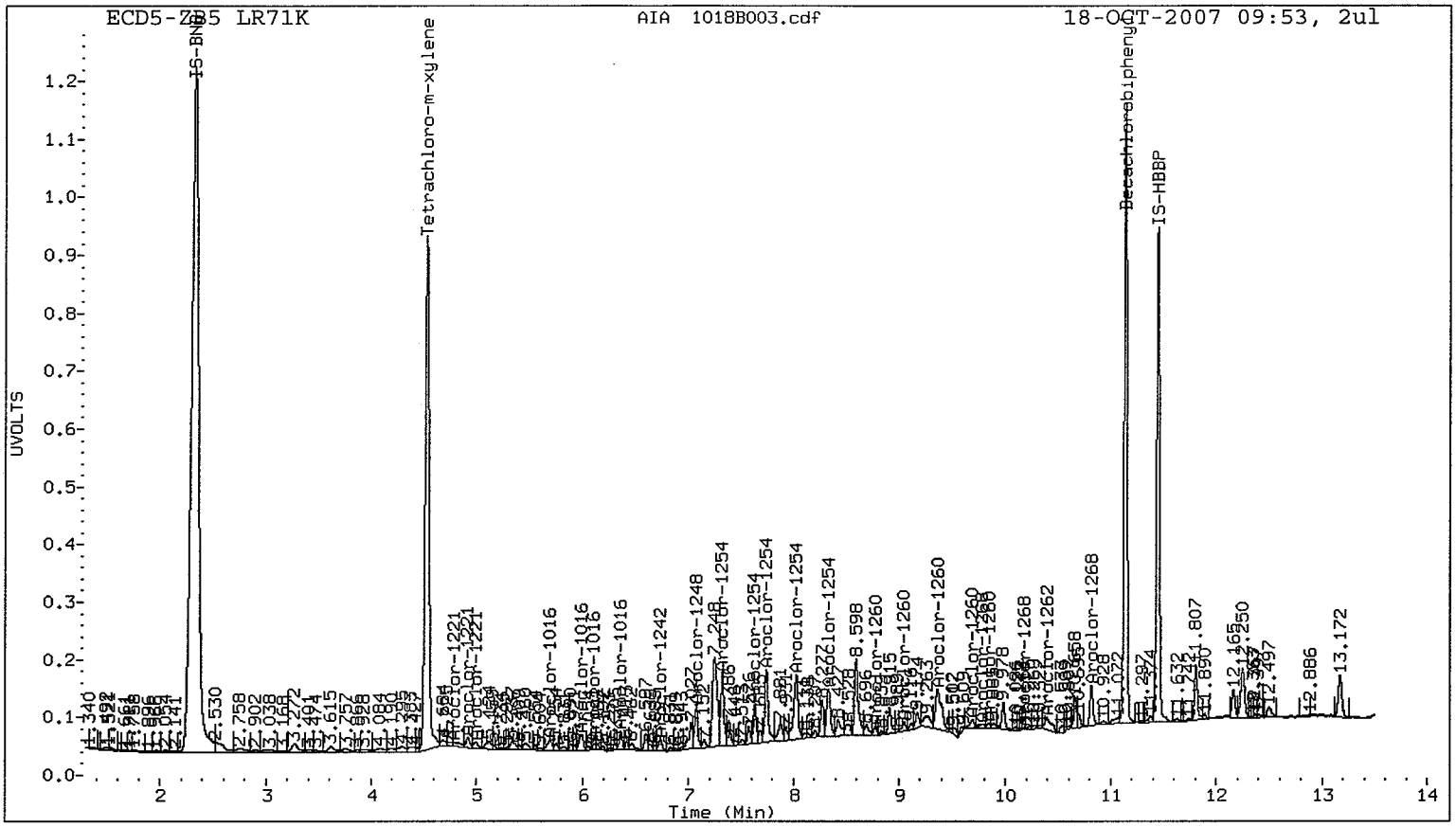
Aroclor	Peak#	RT	ZB5 Col Shift	Area	Amount	Peak#	RT	ZB35 Col Shift	Area	Amount
Aroclor-1016	1	5.700	0.004	300869	33.5	1	5.828	0.003	171128	17.7
Aroclor-1016	2	5.992	0.001	375476	13.8	2	6.296	0.003	248267	12.2
Aroclor-1016	3	6.109	0.007	123435	10.4	3	6.449	-0.004	143450	17.6
Aroclor-1016	4	6.360	0.003	302085	41.4	4	6.991	0.001	190232	29.7
Total Col1Ave (4 peaks):					24.8	Total Col2Ave (4 peaks):				19.3 RPD = 25
Corrected Ave (4 peaks):					24.8	Corrected Ave (4 peaks):				19.3 RPD = 25
Aroclor-1221	1	4.780	-0.003	204046	52.0	1	5.034	-0.032	99694	31.4
Aroclor-1221	2	4.919	0.010	230077	88.1	2	5.208	-0.032	155955	85.2
Aroclor-1221	3	4.995	0.009	158584	18.0	3	5.281	-0.041	128827	23.1
Aroclor-1221	NS	---			----	4	5.828	-0.009	171128	75.8
Total Col1Ave (3 peaks):					52.7	Total Col2Ave (4 peaks):				53.9 RPD = 2
Corrected Ave (3 peaks):					52.7	Corrected Ave (4 peaks):				53.9 RPD = 2
Aroclor-1232	1	4.995	0.011	158584	21.4	1	5.281	-0.041	128827	27.2
Aroclor-1232	2	5.700	0.004	300869	74.6	2	5.828	0.002	171128	36.0
Aroclor-1232	3	5.992	0.002	375476	31.2	3	6.296	0.002	248267	27.6
Aroclor-1232	4	6.109	0.005	123435	22.6	4	6.593	0.003	82088	36.4
Total Col1Ave (4 peaks):					37.5	Total Col2Ave (4 peaks):				31.8 RPD = 16
Corrected Ave (3 peaks):					25.1	Corrected Ave (4 peaks):				31.8 RPD = 24
Aroclor-1242	1	5.700	0.004	300869	41.6	1	5.281	-0.041	128827	32.8
Aroclor-1242	2	5.992	0.001	375476	17.3	2	5.828	0.003	171128	22.2
Aroclor-1242	3	6.109	0.005	123435	12.8	3	6.296	0.003	248267	15.5
Aroclor-1242	4	6.737	0.002	253927	27.6	4	6.449	-0.004	143450	22.4
Aroclor-1242	NS	---			----	5	7.350	0.001	323240	52.6
Total Col1Ave (4 peaks):					24.8	Total Col2Ave (5 peaks):				29.1 RPD = 16
Corrected Ave (4 peaks):					24.8	Corrected Ave (4 peaks):				23.2 RPD = 7
Aroclor-1248	1	5.992	0.000	375476	23.7	1	6.296	0.005	248267	20.6
Aroclor-1248	2	6.109	0.004	123435	20.5	2	6.656	0.001	271174	40.7
Aroclor-1248	3	6.360	0.003	302085	32.1	3	6.991	0.002	190232	24.3
Aroclor-1248	4	6.737	0.001	253927	18.3	4	7.350	0.001	323240	29.8
Aroclor-1248	5	7.077	0.003	817471	44.6	NS	---			----
Total Col1Ave (5 peaks):					27.8	Total Col2Ave (4 peaks):				28.8 RPD = 4
Corrected Ave (5 peaks):					27.8	Corrected Ave (4 peaks):				28.8 RPD = 4
Aroclor-1254	1	7.324	0.001	1393566	68.8	1	7.598	0.001	454955	40.9
Aroclor-1254	2	7.633	0.001	701887	56.3	2	8.035	-0.001	440239	51.9
Aroclor-1254	3	7.745	0.000	1482773	59.8	3	8.162	0.000	895842	49.1
Aroclor-1254	4	8.031	-0.001	1694094	63.5	4	8.362	-0.002	1079899	58.6
Aroclor-1254	5	8.339	0.003	1024007	65.3	5	8.813	-0.004	630885	60.8
Total Col1Ave (5 peaks):					62.7	Total Col2Ave (5 peaks):				52.3 RPD = 18
Corrected Ave (5 peaks):					62.7	Corrected Ave (5 peaks):				52.3 RPD = 18
Aroclor-1260	1	8.779	-0.001	148302	10.2	1	9.073	0.001	60841	6.9
Aroclor-1260	2	9.051	0.003	180908	14.8	2	9.141	0.001	99378	19.9
Aroclor-1260	3	9.361	0.013	1431376	44.3	3	9.669	0.005	191189	9.1
Aroclor-1260	4	9.686	-0.003	230225	15.4	4	10.075	-0.028	547315	96.2
Aroclor-1260	5	9.844	0.004	98044	10.6	5	10.155	0.001	106008	8.1
Total Col1Ave (5 peaks):					19.1	Total Col2Ave (5 peaks):				28.0 RPD = 38
Corrected Ave (4 peaks):					12.8	Corrected Ave (4 peaks):				11.0 RPD = 15
Aroclor-1262	1	9.051	0.002	180908	11.0	1	9.073	-0.001	60841	4.2
Aroclor-1262	2	9.361	0.011	1431376	34.5	2	9.669	0.003	191189	7.2
Aroclor-1262	3	9.686	-0.004	230225	18.1	3	10.075	-0.027	547315	48.7
Aroclor-1262	4	9.844	0.002	98044	5.4	4	10.155	-0.003	106008	6.1
Aroclor-1262	5	10.391	0.006	450582	32.6	5	10.740	-0.006	208832	24.6
Total Col1Ave (5 peaks):					20.3	Total Col2Ave (5 peaks):				18.2 RPD = 11
Corrected Ave (5 peaks):					20.3	Corrected Ave (4 peaks):				10.5 RPD = 64*
Aroclor-1268	1	9.785	0.007	143191	3.1	1	10.075	-0.026	547315	20.6
Aroclor-1268	2	9.844	0.006	98044	2.2	2	10.155	-0.004	106008	4.2
Aroclor-1268	3	10.181	0.019	31909	0.9	3	10.576	0.083	1189415	59.8

Aroclor-1268	4	10.814	0.014	721537	7.3	4	11.113	-0.039	83047	1.4	
Total Col1Ave (4 peaks):				3.4	Total Col2Ave (4 peaks):				21.5	RPD =	146*
Corrected Ave (3 peaks):				2.1	Corrected Ave (3 peaks):				8.7	RPD =	123*

Total PCB Area Col1 (4.623 - 11.035) = 28090392 Col1 Total PCB = 0.1 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 18451591 Col2 Total PCB = 0.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical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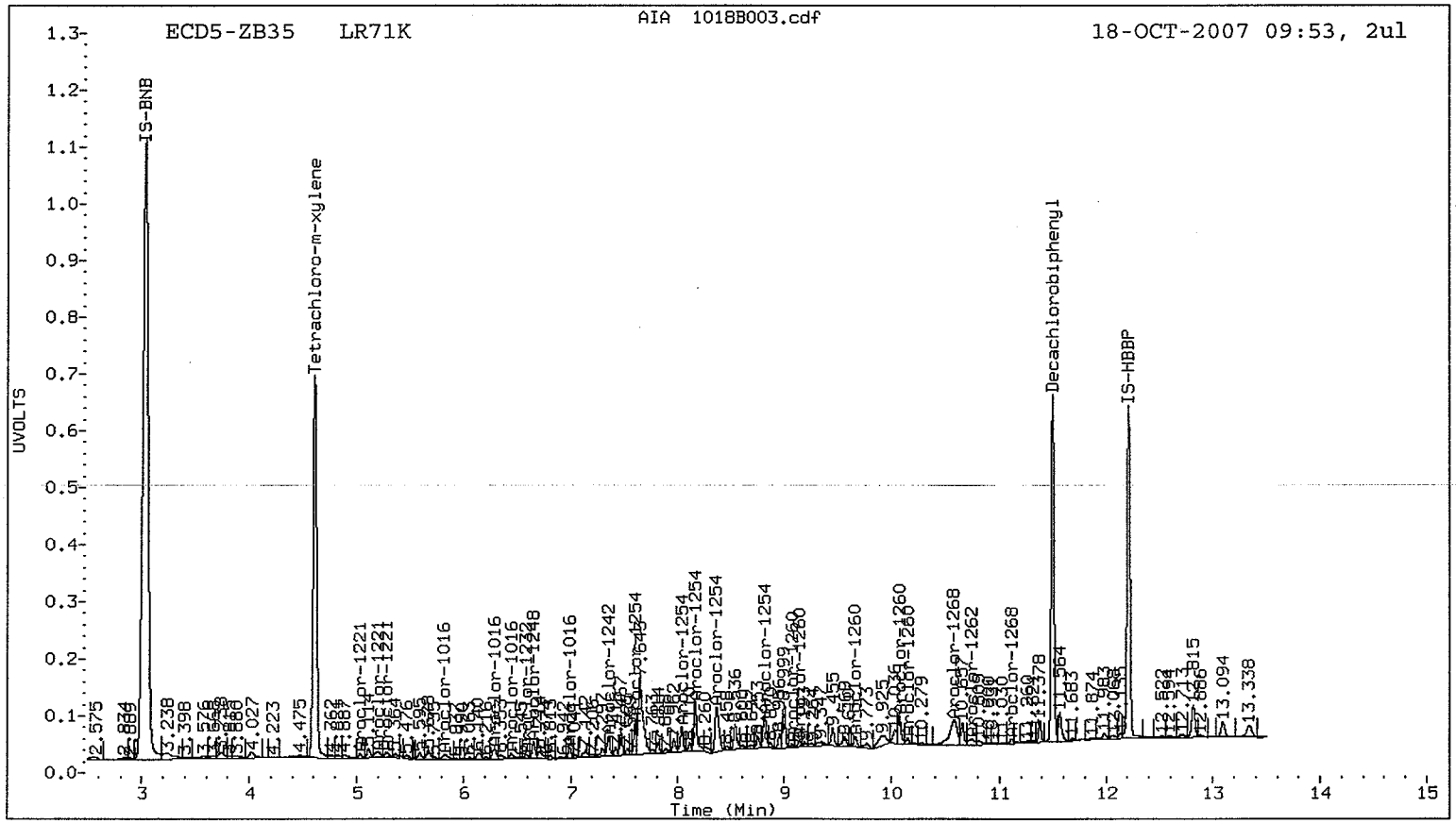
Decachlorobiphenyl
IS-HBBP
UVOLTS
Time (Min)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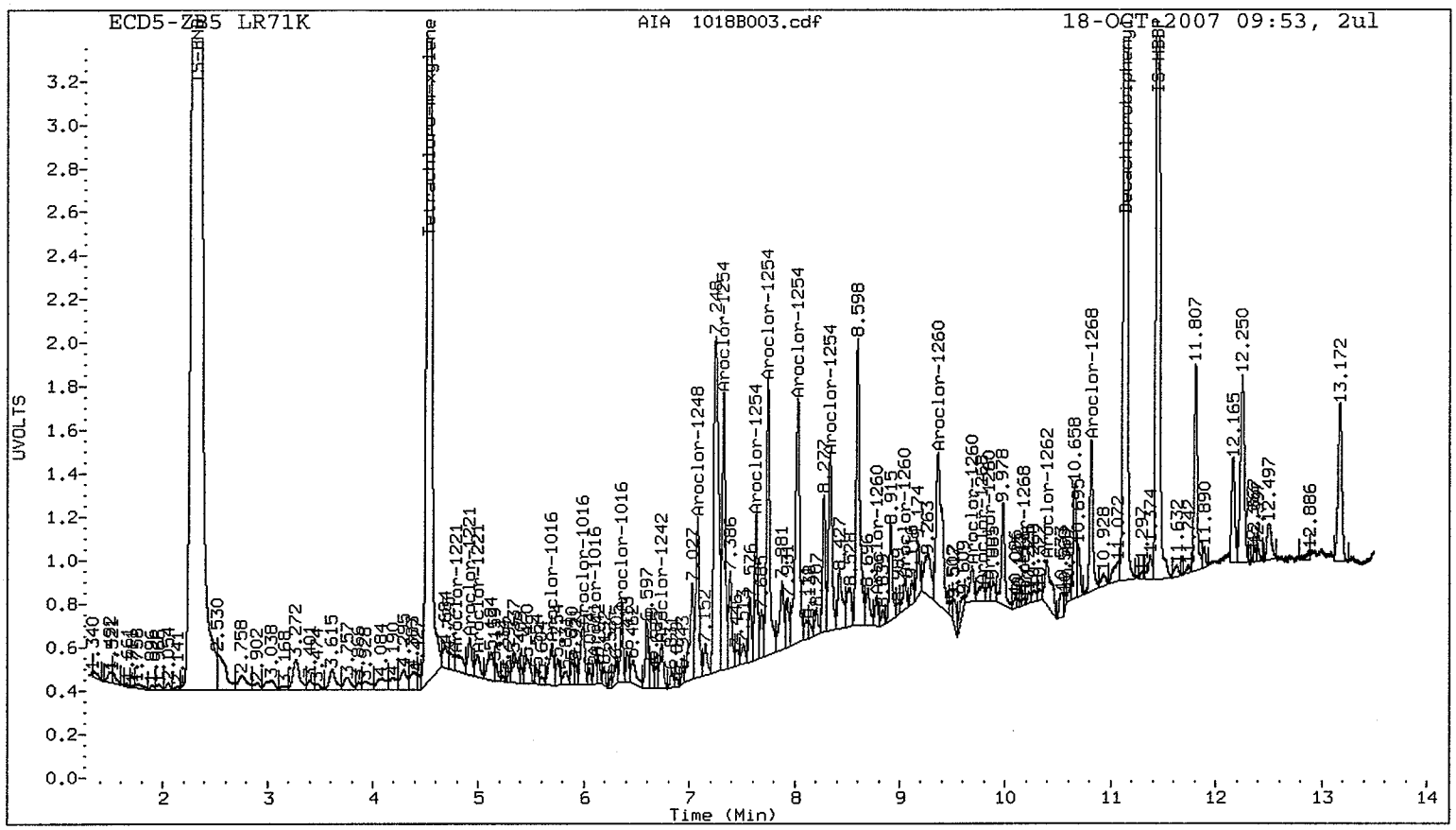
Time (Min)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IS=HBBP
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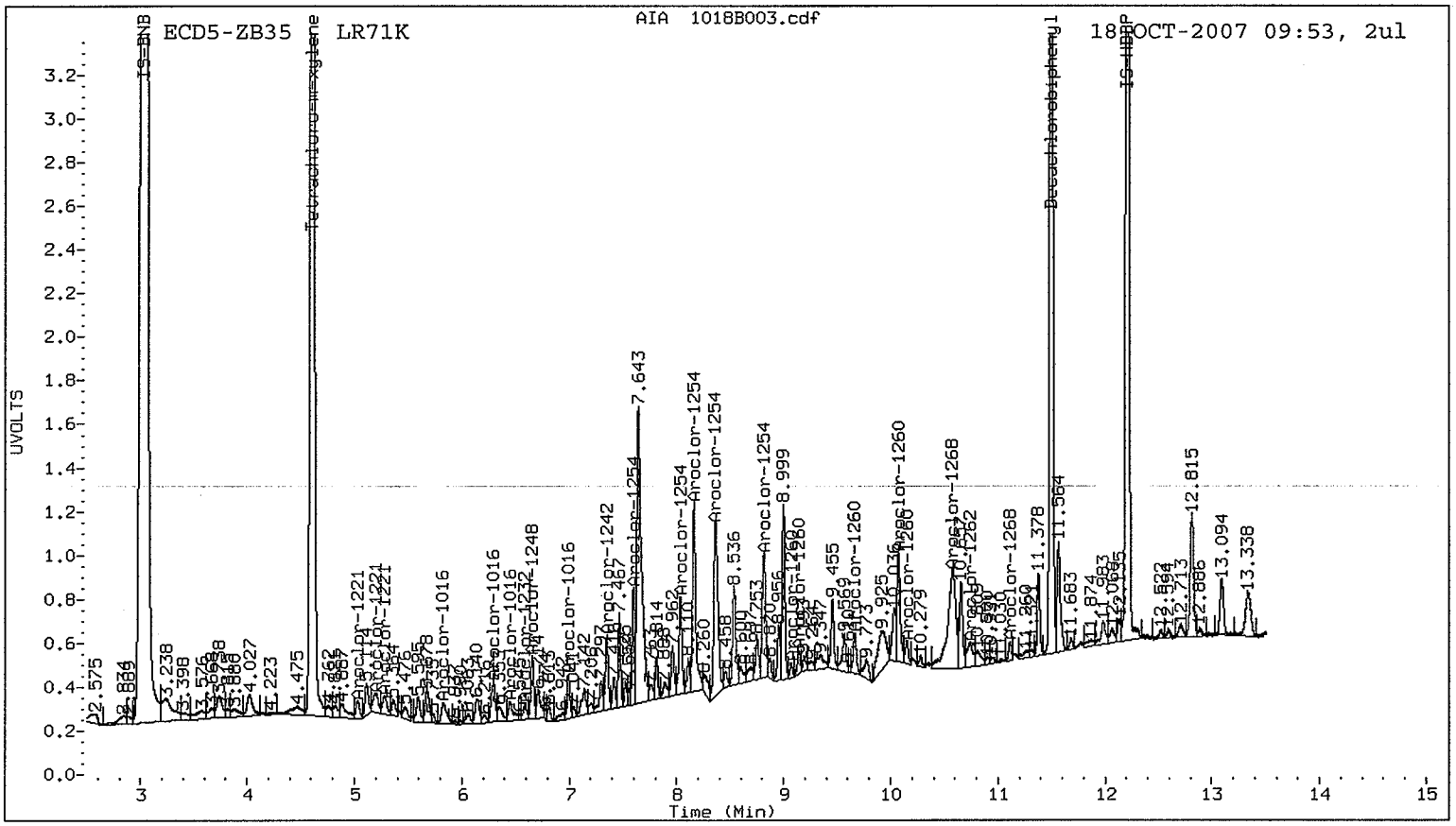
Aroclor-1016
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268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Time (Min)
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Tetrachloro-m-xylene
Decachlorobiphenyl
IS=HBBP
Aroclor-1221
Aroclor-1016
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-09
SAMPLE

Lab Sample ID: LR71L
LIMS ID: 07-20777
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/18/07 10:10
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 0.71 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 34.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	70	< 70 U
53469-21-9	Aroclor 1242	70	< 70 U
12672-29-6	Aroclor 1248	70	< 70 U
11097-69-1	**Aroclor 1254**	**70**	**99**
11096-82-5	Aroclor 1260	70	< 70 U
11104-28-2	Aroclor 1221	70	< 70 U
11141-16-5	Aroclor 1232	70	< 70 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	94.0%
Tetrachlorometaxylene	70.0%

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1018-1.b/1018B004.d
Data file 2: 20071016.b/1018-2.b/1018B004.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71L
Client ID: AN-SS-09
Injection Date: 18-OCT-2007 10:10
Report Date: 10/18/2007 15:33
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.525	0.002	11085187	4.607	0.001	7694598	28.0	27.9	0.3	Tetrachloro-m-xylene MN
11.134	-0.001	10140313	11.496	0.000	5430965	37.6	37.6	0.0	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	69.9	69.7
Decachlorobiphenyl	94.1	94.1

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	30235999	-4.2
Hexabromobiphenyl	9983366	8481610	-15.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	20977271	3.2
Hexabromobiphenyl	6610345	6008669	-9.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	5.692	-0.004	374537	39.2	1	5.829	0.005	384791	37.1
Aroclor-1016	2	5.989	-0.002	441122	15.3	2	6.295	0.003	341285	15.6
Aroclor-1016	3	6.105	0.002	163520	12.9	3	6.452	-0.001	142773	16.3
Aroclor-1016	4	6.359	0.002	558050	71.9	4	6.990	0.000	297255	43.2
Total Col1Ave (4 peaks):				34.8		Total Col2Ave (4 peaks):			28.1	RPD = 22
Corrected Ave (3 peaks):				22.5		Corrected Ave (4 peaks):			28.1	RPD = 22
Aroclor-1221	1	4.825	0.042	157793	37.9	1	5.027	-0.039	151611	44.4
Aroclor-1221	2	4.914	0.005	214516	77.3	2	5.210	-0.030	317708	161.5
Aroclor-1221	3	4.989	0.003	184892	19.7	3	5.323	0.000	21346	3.6
Aroclor-1221	NS	---			----	4	5.829	-0.007	384791	158.7
Total Col1Ave (3 peaks):				44.9		Total Col2Ave (4 peaks):			92.0	RPD = 69*
Corrected Ave: < 3 Peaks						Corrected Ave: < 3 Peaks				
Aroclor-1232	1	4.989	0.005	184892	23.5	1	5.323	0.000	21346	4.2
Aroclor-1232	2	5.692	-0.004	374537	87.3	2	5.829	0.004	384791	75.3
Aroclor-1232	3	5.989	-0.002	441122	34.5	3	6.295	0.002	341285	35.3
Aroclor-1232	4	6.105	0.000	163520	28.2	4	6.587	-0.003	89919	37.2
Total Col1Ave (4 peaks):				43.4		Total Col2Ave (4 peaks):			38.0	RPD = 13
Corrected Ave (3 peaks):				28.7		Corrected Ave (3 peaks):			25.6	RPD = 12
Aroclor-1242	1	5.692	-0.004	374537	48.7	1	5.323	0.000	21346	5.1
Aroclor-1242	2	5.989	-0.003	441122	19.1	2	5.829	0.005	384791	46.5
Aroclor-1242	3	6.105	0.000	163520	16.0	3	6.295	0.002	341285	19.8
Aroclor-1242	4	6.733	-0.002	347070	35.5	4	6.452	-0.001	142773	20.7
Aroclor-1242	NS	---			----	5	7.349	0.000	527497	79.9
Total Col1Ave (4 peaks):				29.8		Total Col2Ave (5 peaks):			34.4	RPD = 14
Corrected Ave (4 peaks):				29.8		Corrected Ave (4 peaks):			23.0	RPD = 26
Aroclor-1248	1	5.989	-0.003	441122	26.2	1	6.295	0.004	341285	26.4
Aroclor-1248	2	6.105	-0.001	163520	25.5	2	6.655	-0.001	428290	59.8
Aroclor-1248	3	6.359	0.001	558050	55.8	3	6.990	0.000	297255	35.3
Aroclor-1248	4	6.733	-0.003	347070	23.6	4	7.349	0.000	527497	45.3
Aroclor-1248	5	7.073	-0.001	1280136	65.6	NS	---			----
Total Col1Ave (5 peaks):				39.3		Total Col2Ave (4 peaks):			41.7	RPD = 6
Corrected Ave (5 peaks):				39.3		Corrected Ave (4 peaks):			41.7	RPD = 6
Aroclor-1254	1	7.322	-0.001	1509303	70.1	1	7.597	-0.001	811832	67.9
Aroclor-1254	2	7.630	-0.002	941969	71.0	2	8.033	-0.002	624670	68.6
Aroclor-1254	3	7.741	-0.004	1891421	71.8	3	8.160	-0.002	1358292	69.2
Aroclor-1254	4	8.027	-0.005	1943778	68.5	4	8.358	-0.006	1336161	67.5
Aroclor-1254	5	8.338	0.002	1194669	71.7	5	8.812	-0.005	797439	71.6
Total Col1Ave (5 peaks):				70.6		Total Col2Ave (5 peaks):			69.0	RPD = 2
Corrected Ave (5 peaks):				70.6		Corrected Ave (5 peaks):			69.0	RPD = 2
Aroclor-1260	1	8.779	-0.001	153460	10.1	1	9.072	0.000	77529	8.4
Aroclor-1260	2	9.048	0.000	126906	9.9	2	9.140	0.000	131373	25.1
Aroclor-1260	3	9.349	0.001	408633	12.1	3	9.663	-0.001	260257	11.8
Aroclor-1260	4	9.688	-0.002	279248	17.8	4	10.073	-0.030	330676	55.4
Aroclor-1260	5	9.840	0.000	89907	9.3	5	10.151	-0.003	143074	10.4
Total Col1Ave (5 peaks):				11.8		Total Col2Ave (5 peaks):			22.2	RPD = 61*
Corrected Ave (5 peaks):				11.8		Corrected Ave (4 peaks):			13.9	RPD = 16
Aroclor-1262	1	9.048	-0.001	126906	7.3	1	9.072	-0.002	77529	5.1
Aroclor-1262	2	9.349	-0.001	408633	9.4	2	9.663	-0.003	260257	9.3
Aroclor-1262	3	9.688	-0.003	279248	21.0	3	10.073	-0.030	330676	28.1
Aroclor-1262	4	9.840	-0.002	89907	4.7	4	10.151	-0.006	143074	7.9
Aroclor-1262	5	10.387	0.001	131156	9.0	5	10.740	-0.006	95942	10.8
Total Col1Ave (5 peaks):				10.3		Total Col2Ave (5 peaks):			12.2	RPD = 17
Corrected Ave (4 peaks):				7.6		Corrected Ave (4 peaks):			8.3	RPD = 8
Aroclor-1268	1	9.774	-0.004	94877	2.0	1	10.073	-0.028	330676	11.9
Aroclor-1268	2	9.840	0.002	89907	2.0	2	10.151	-0.007	143074	5.4
Aroclor-1268	3	10.172	0.011	48399	1.2	3	10.417	-0.076	18937	0.9

Aroclor-1268	4	10.812	0.013	792726	7.6	4	11.152	0.001	26591	0.4

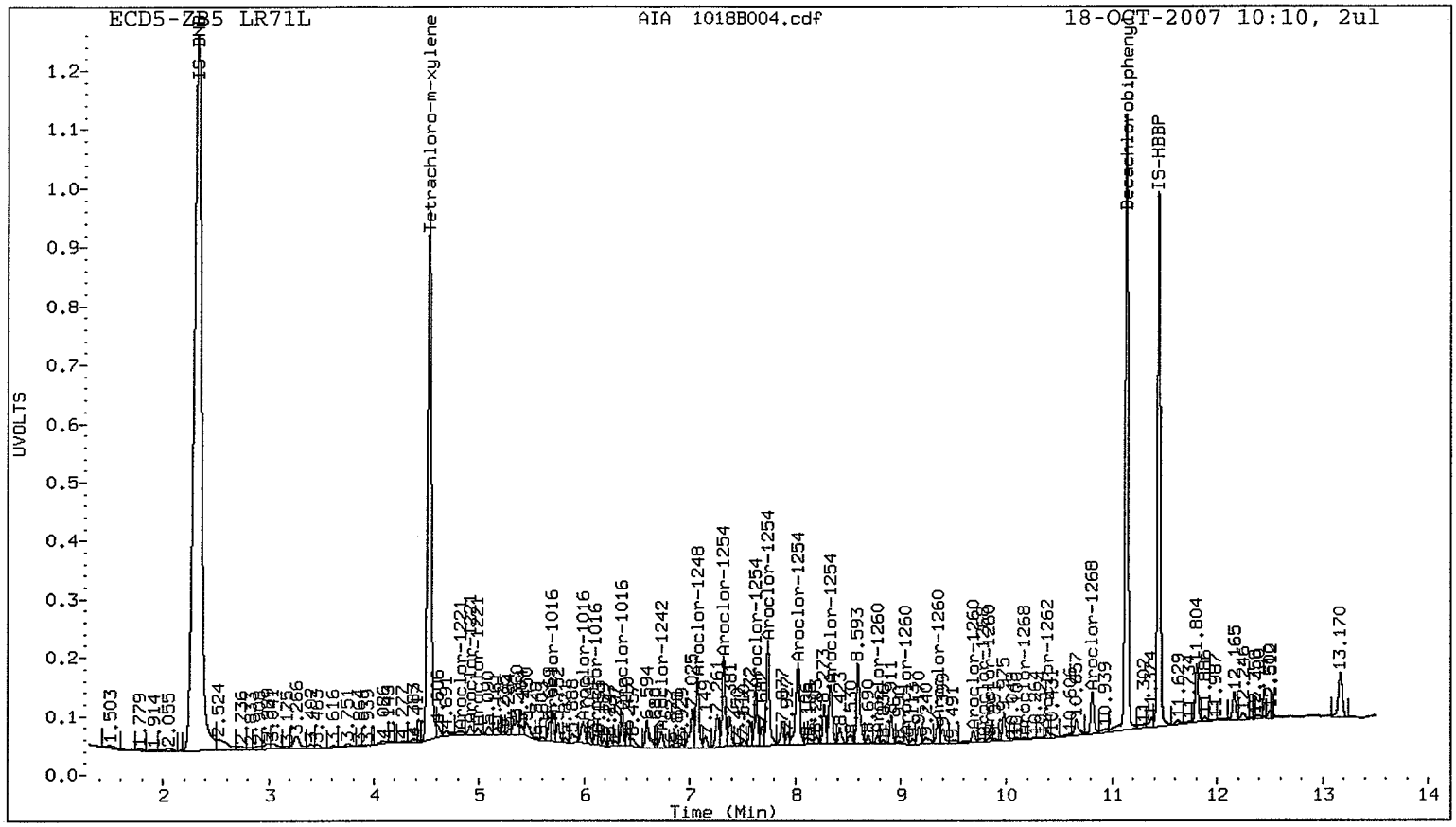
Total Col1Ave (4 peaks): 3.2 Total Col2Ave (4 peaks): 4.7 RPD = 37

Corrected Ave (3 peaks): 1.7 Corrected Ave (3 peaks): 2.2 RPD = 26

Total PCB Area Col1 (4.623 - 11.035) = 28044673 Col1 Total PCB = 0.1 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 19654741 Col2 Total PCB = 0.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical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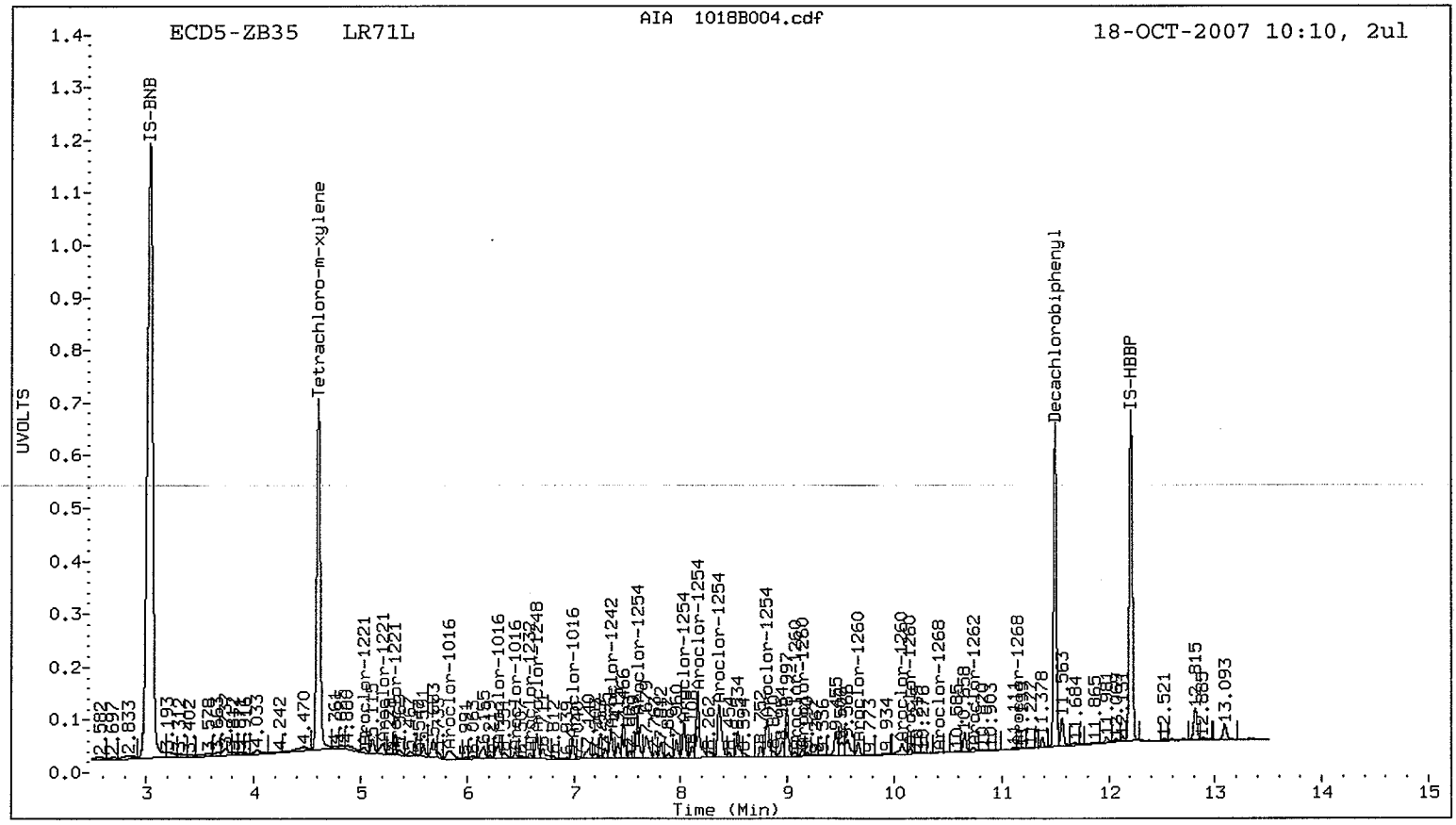
UVOLTS
Time (Min)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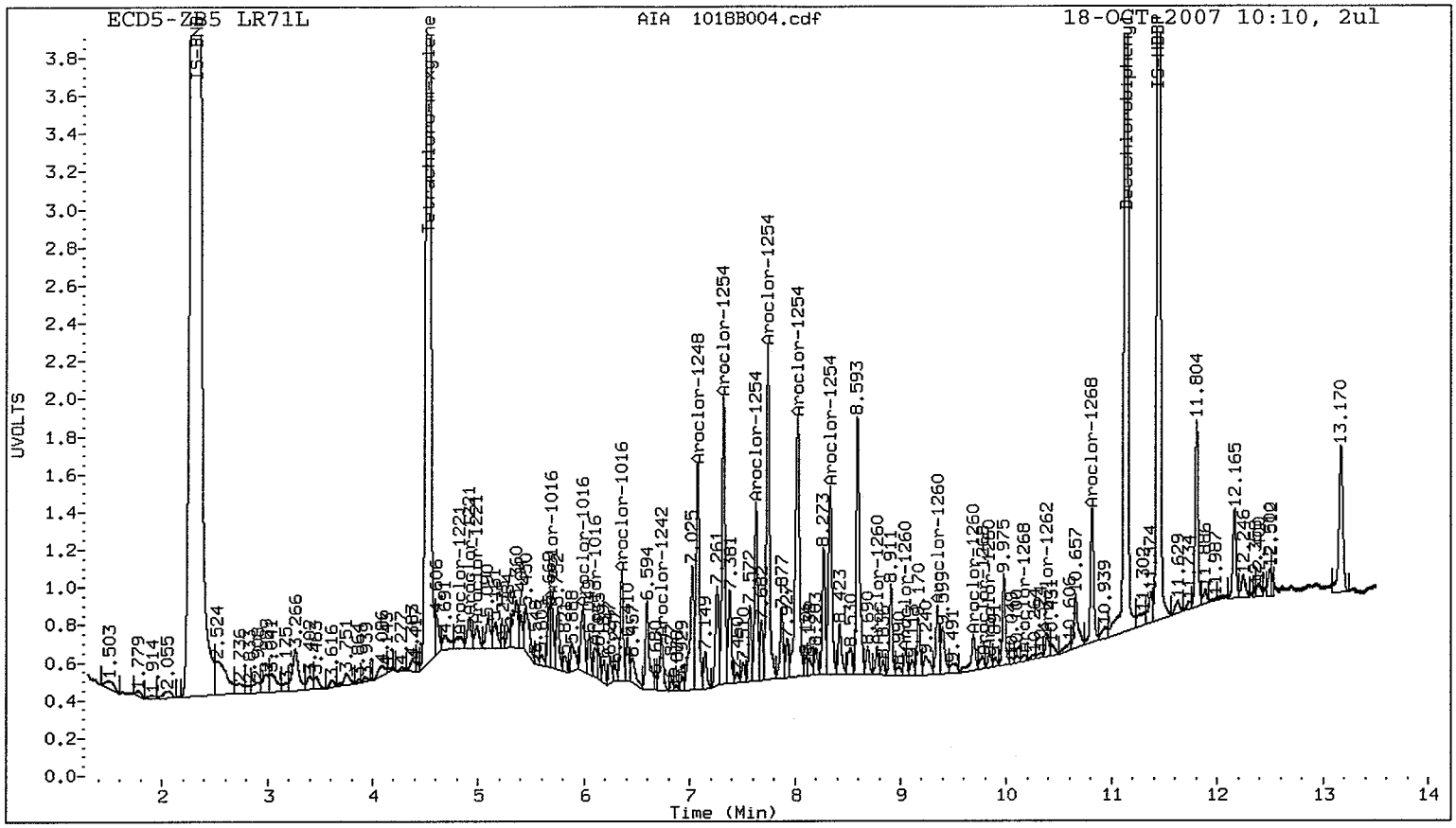
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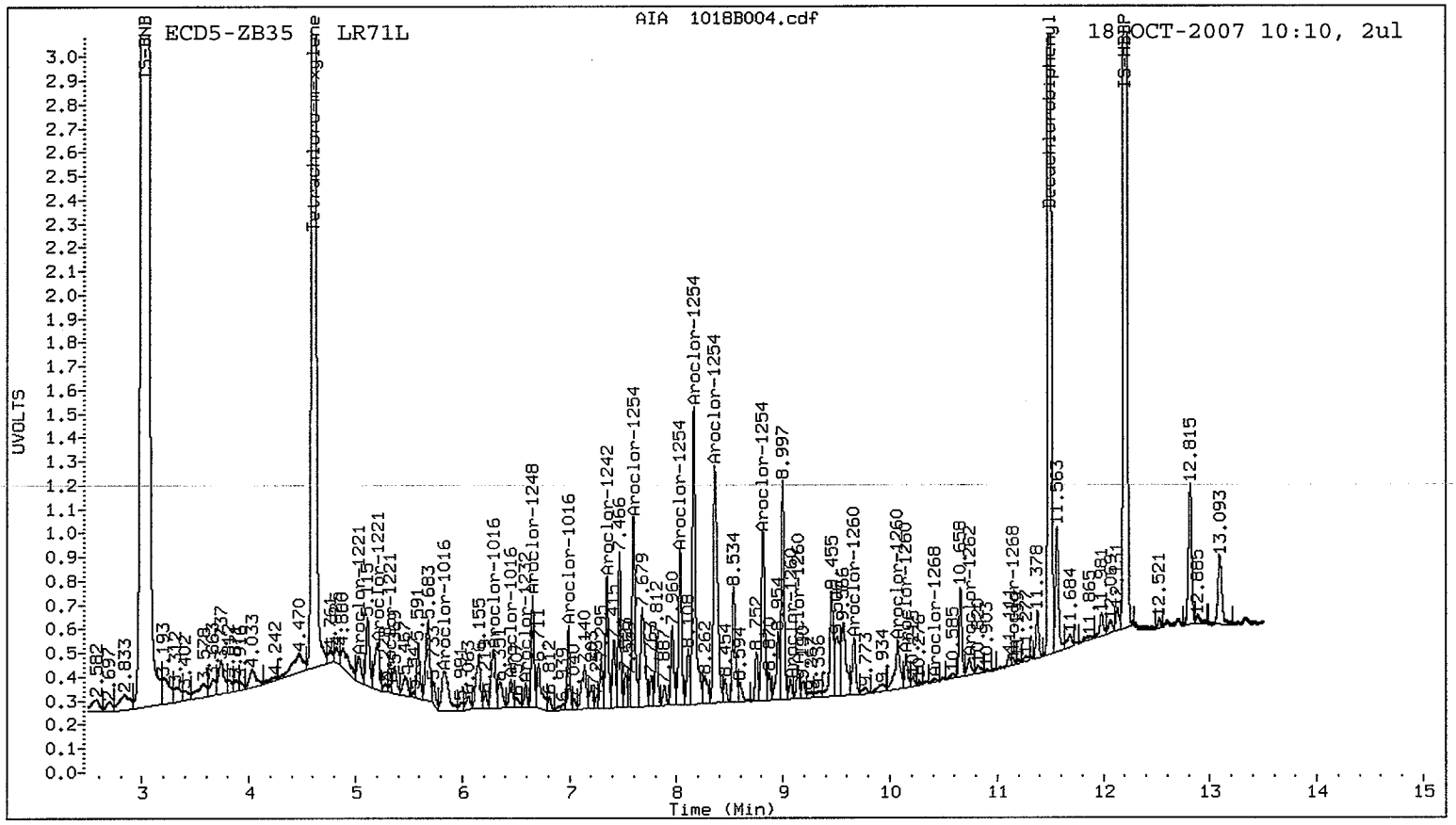
Aroclor-1268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Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

PCB Analysis
Standard Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

Project : KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

6F

8082 INITIAL CALIBRATION OF AROCLOR 1016/1260

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB5 Instrument ID: ECD5

Calibration Date: 10/16/07

SURROGATES

	RT WIN	LVL1	LVL2	LVL3	LVL4	LVL5	MEAN	%RSD
TCX	4.42- 4.62	1.2017	1.0483	1.0469	0.9776	0.9667	1.0482	8.9
DCB	11.04-11.24	3.1114	2.4841	2.4131	2.2637	2.4299	2.5404	13.0

Aroclor-1016 Peak	RT WIN	LVL1 .02	LVL2 0.1	LVL3 .25	LVL4 0.5	LVL5 1.0	MEAN	%RSD
1	5.60- 5.80	0.0325	0.0252	0.0245	0.0216	0.0224	0.0253	17.1
2	5.89- 6.09	0.0905	0.0753	0.0738	0.0683	0.0736	0.0763	11.0
3	6.00- 6.20	0.0427	0.0334	0.0328	0.0285	0.0300	0.0335	16.6
4	6.26- 6.46	0.0256	0.0204	0.0201	0.0177	0.0189	0.0205	14.7

AROCLOR AVERAGE %RSD = 14.8

Aroclor-1260 Peak	RT WIN	LVL1 .02	LVL2 0.1	LVL3 .25	LVL4 0.5	LVL5 1.0	MEAN	%RSD
1	8.68- 8.88	0.1733	0.1448	0.1430	0.1295	0.1262	0.1434	13.0
2	8.95- 9.15	0.1447	0.1209	0.1200	0.1093	0.1120	0.1214	11.5
3	9.25- 9.45	0.3693	0.3153	0.3175	0.2924	0.3036	0.3196	9.2
4	9.59- 9.79	0.1737	0.1428	0.1432	0.1314	0.1487	0.1479	10.6
5	9.74- 9.94	0.1078	0.0931	0.0941	0.0855	0.0775	0.0916	12.3

AROCLOR AVERAGE %RSD = 11.3

6F

8082 INITIAL CALIBRATION OF AROCLOR 1016/1260

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB35 Instrument ID: ECD5

Calibration Date: 10/16/07

SURROGATES

	RT WIN	LVL1	LVL2	LVL3	LVL4	LVL5	MEAN	%RSD
TCX	4.51- 4.71	1.1288	1.0193	1.0594	1.0164	1.0354	1.0519	4.4
DCB	11.40-11.60	1.9642	1.8402	1.9463	1.8431	2.0126	1.9213	4.0

Aroclor-1016 Peak	RT WIN	LVL1 .02	LVL2 0.1	LVL3 .25	LVL4 0.5	LVL5 1.0	MEAN	%RSD
1	5.72- 5.92	0.0493	0.0398	0.0377	0.0341	0.0369	0.0396	14.8
2	6.19- 6.39	0.0999	0.0813	0.0799	0.0744	0.0825	0.0836	11.5
3	6.35- 6.55	0.0407	0.0332	0.0321	0.0292	0.0318	0.0334	12.9
4	6.89- 7.09	0.0322	0.0256	0.0250	0.0234	0.0249	0.0262	13.0

AROCLOR AVERAGE %RSD = 13.1

Aroclor-1260 Peak	RT WIN	LVL1 .02	LVL2 0.1	LVL3 .25	LVL4 0.5	LVL5 1.0	MEAN	%RSD
1	8.97- 9.17	0.1577	0.1236	0.1230	0.1081	0.1033	0.1231	17.3
2	9.04- 9.24	0.0861	0.0692	0.0699	0.0607	0.0628	0.0697	14.3
3	9.56- 9.76	0.3685	0.2795	0.2896	0.2618	0.2702	0.2939	14.6
4	10.00-10.20	0.0970	0.0806	0.0793	0.0722	0.0680	0.0794	14.0
5	10.05-10.25	0.2145	0.1772	0.1821	0.1671	0.1745	0.1831	10.0

AROCLOR AVERAGE %RSD = 14.0

6G

8082 INITIAL CALIBRATION OF SINGLE POINT PCBs

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB5 Instrument ID: ECD5

Calibration Date: 10/16/07

Aroclor-1221			
Peak	RT	RT WIN	Cal Factor
1	4.783	4.68- 4.88	0.01103
2	4.909	4.81- 5.01	0.00735
3	4.986	4.89- 5.09	0.02481

Aroclor-1232			
Peak	RT	RT WIN	Cal Factor
1	4.984	4.88- 5.08	0.02083
2	5.696	5.60- 5.80	0.01135
3	5.991	5.89- 6.09	0.03381
4	6.104	6.00- 6.20	0.01535

Aroclor-1242			
Peak	RT	RT WIN	Cal Factor
1	5.696	5.60- 5.80	0.02035
2	5.992	5.89- 6.09	0.06108
3	6.104	6.00- 6.20	0.02703
4	6.735	6.64- 6.84	0.02587

Aroclor-1248			
Peak	RT	RT WIN	Cal Factor
1	5.992	5.89- 6.09	0.04459
2	6.105	6.01- 6.21	0.01697
3	6.357	6.26- 6.46	0.02646
4	6.736	6.64- 6.84	0.03898
5	7.074	6.97- 7.17	0.05159

6G

8082 INITIAL CALIBRATION OF SINGLE POINT PCBs

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB5 Instrument ID: ECD5

Calibration Date: 10/16/07

Aroclor-1254			
Peak	RT	RT WIN	Cal Factor
1	7.323	7.22- 7.42	0.05698
2	7.632	7.53- 7.73	0.03508
3	7.745	7.64- 7.84	0.06971
4	8.032	7.93- 8.13	0.07503
5	8.336	8.24- 8.44	0.04408

Aroclor-1262			
Peak	RT	RT WIN	Cal Factor
1	9.050	8.95- 9.15	0.16322
2	9.350	9.25- 9.45	0.41124
3	9.691	9.59- 9.79	0.12567
4	9.842	9.74- 9.94	0.18037
5	10.386	10.29-10.49	0.13678

Aroclor-1268			
Peak	RT	RT WIN	Cal Factor
1	9.778	9.68- 9.88	0.45433
2	9.838	9.74- 9.94	0.43186
3	10.161	10.06-10.26	0.36536
4	10.800	10.70-10.90	0.97790

6G

8082 INITIAL CALIBRATION OF SINGLE POINT PCBs

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB35 Instrument ID: ECD5

Calibration Date: 10/16/07

Aroclor-1221			
Peak	RT	RT WIN	Cal Factor
1	5.066	4.97- 5.17	0.01301
2	5.240	5.14- 5.34	0.00750
3	5.323	5.22- 5.42	0.02287
4	5.836	5.74- 5.94	0.00925

Aroclor-1232			
Peak	RT	RT WIN	Cal Factor
1	5.323	5.22- 5.42	0.01941
2	5.825	5.73- 5.93	0.01949
3	6.294	6.19- 6.39	0.03686
4	6.590	6.49- 6.69	0.00923

Aroclor-1242			
Peak	RT	RT WIN	Cal Factor
1	5.323	5.22- 5.42	0.01612
2	5.824	5.72- 5.92	0.03153
3	6.293	6.19- 6.39	0.06573
4	6.453	6.35- 6.55	0.02628
5	7.349	7.25- 7.45	0.02517

Aroclor-1248			
Peak	RT	RT WIN	Cal Factor
1	6.291	6.19- 6.39	0.04932
2	6.656	6.56- 6.76	0.02733
3	6.990	6.89- 7.09	0.03208
4	7.349	7.25- 7.45	0.04443

6G

8082 INITIAL CALIBRATION OF SINGLE POINT PCBs

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB35 Instrument ID: ECD5

Calibration Date: 10/16/07

Aroclor-1254			
Peak	RT	RT WIN	Cal Factor
1	7.597	7.50- 7.70	0.04559
2	8.036	7.94- 8.14	0.03473
3	8.162	8.06- 8.26	0.07481
4	8.364	8.26- 8.46	0.07551
5	8.817	8.72- 8.92	0.04249

Aroclor-1262			
Peak	RT	RT WIN	Cal Factor
1	9.074	8.97- 9.17	0.20093
2	9.666	9.57- 9.77	0.37198
3	10.102	10.00-10.20	0.15680
4	10.157	10.06-10.26	0.24173
5	10.746	10.65-10.85	0.11865

Aroclor-1268			
Peak	RT	RT WIN	Cal Factor
1	10.101	10.00-10.20	0.37123
2	10.159	10.06-10.26	0.35255
3	10.493	10.39-10.59	0.27764
4	11.151	11.05-11.25	0.81050

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-OCT-2007 13:41
End Cal Date : 16-OCT-2007 16:33
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP Genie
Method file : /chem2/ecd5.i/20071016.b/PCB1.m
Cal Date : 17-Oct-2007 08:58 peter
Curve Type : Average

Calibration File Names:
Level 1: /chem2/ecd5.i/20071016.b/ical-1.b/1016B003.d
Level 2: /chem2/ecd5.i/20071016.b/ical-1.b/1016B005.d
Level 3: /chem2/ecd5.i/20071016.b/ical-1.b/1016B002.d
Level 4: /chem2/ecd5.i/20071016.b/ical-1.b/1016B006.d
Level 5: /chem2/ecd5.i/20071016.b/ical-1.b/1016B004.d
Level 7: /chem2/ecd5.i/20071016.b/ical-1.b/1016B012.d

Compound	20.000 Level 1	100.000 Level 2	250.000 Level 3	500.000 Level 4	1000.000 Level 5	250.000 Level 7	RRF	% RSD
2 Aroclor-1221(1)	+++++	+++++	+++++	+++++	+++++	0.01103	0.01103	0.000
(2)	+++++	+++++	+++++	+++++	+++++	0.00735	0.00735	0.000
(3)	+++++	+++++	+++++	+++++	+++++	0.02481	0.02481	0.000
3 Aroclor-1242(1)	+++++	+++++	+++++	+++++	+++++	0.02035	0.02035	0.000
(2)	+++++	+++++	+++++	+++++	+++++	0.06108	0.06108	0.000
(3)	+++++	+++++	+++++	+++++	+++++	0.02703	0.02703	0.000
(4)	+++++	+++++	+++++	+++++	+++++	0.02587	0.02587	0.000
4 Aroclor-1232(1)	+++++	+++++	+++++	+++++	+++++	0.02083	0.02083	0.000
(2)	+++++	+++++	+++++	+++++	+++++	0.01135	0.01135	0.000
(3)	+++++	+++++	+++++	+++++	+++++	0.03381	0.03381	0.000
(4)	+++++	+++++	+++++	+++++	+++++	0.01535	0.01535	0.000
7 Aroclor-1016(1)	0.03249	0.02521	0.02454	0.02157	0.02244	+++++	0.02525	17.072
(2)	0.09052	0.07531	0.07383	0.06828	0.07363	+++++	0.07631	10.977
(3)	0.04274	0.03341	0.03279	0.02848	0.03002	+++++	0.03349	16.578
(4)	0.02560	0.02040	0.02008	0.01774	0.01886	+++++	0.02053	14.711
6 Aroclor-1248(1)	+++++	+++++	+++++	+++++	+++++	0.04459	0.04459	0.000
(2)	+++++	+++++	+++++	+++++	+++++	0.01697	0.01697	0.000
(3)	+++++	+++++	+++++	+++++	+++++	0.02646	0.02646	0.000
(4)	+++++	+++++	+++++	+++++	+++++	0.03898	0.03898	0.000
(5)	+++++	+++++	+++++	+++++	+++++	0.05159	0.05159	0.000
8 Aroclor-1254(1)	+++++	+++++	+++++	+++++	+++++	0.05698	0.05698	0.000

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-OCT-2007 13:41
End Cal Date : 16-OCT-2007 16:33
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP Genie
Method file : /chem2/ecd5.i/20071016.b/PCB1.m
Cal Date : 17-Oct-2007 08:58 peter
Curve Type : Average

Compound	20.000 Level 1	100.000 Level 2	250.000 Level 3	500.000 Level 4	1000.000 Level 5	250.000 Level 7	RRF	RRF	% RSD
(2)	+++++	+++++	+++++	+++++	+++++	0.03508	0.03508	0.03508	0.000
(3)	+++++	+++++	+++++	+++++	+++++	0.06971	0.06971	0.06971	0.000
(4)	+++++	+++++	+++++	+++++	+++++	0.07503	0.07503	0.07503	0.000
(5)	+++++	+++++	+++++	+++++	+++++	0.04408	0.04408	0.04408	0.000
9 Aroclor-1260(1)	0.17333	0.14480	0.14297	0.12950	0.12616	+++++	0.14335	0.14335	12.997
(2)	0.14466	0.12094	0.12002	0.10931	0.11196	+++++	0.12138	0.12138	11.491
(3)	0.36933	0.31534	0.31746	0.29243	0.30357	+++++	0.31963	0.31963	9.243
(4)	0.17367	0.14279	0.14323	0.13136	0.14868	+++++	0.14794	0.14794	10.613
(5)	0.10781	0.09314	0.09409	0.08554	0.07750	+++++	0.09162	0.09162	12.290
10 Aroclor-1262(1)	+++++	+++++	+++++	+++++	+++++	0.16322	0.16322	0.16322	0.000
(2)	+++++	+++++	+++++	+++++	+++++	0.41124	0.41124	0.41124	0.000
(3)	+++++	+++++	+++++	+++++	+++++	0.12567	0.12567	0.12567	0.000
(4)	+++++	+++++	+++++	+++++	+++++	0.18037	0.18037	0.18037	0.000
(5)	+++++	+++++	+++++	+++++	+++++	0.13678	0.13678	0.13678	0.000
11 Aroclor-1268(1)	+++++	+++++	+++++	+++++	+++++	0.45433	0.45433	0.45433	0.000
(2)	+++++	+++++	+++++	+++++	+++++	0.43186	0.43186	0.43186	0.000
(3)	+++++	+++++	+++++	+++++	+++++	0.36536	0.36536	0.36536	0.000
(4)	+++++	+++++	+++++	+++++	+++++	0.97790	0.97790	0.97790	0.000
$ 1 Tetrachloro-m-xylene	1.20166	1.04829	1.04694	0.97762	0.96672	+++++	1.04824	1.04824	8.945
$ 13 Decachlorobiphenyl	3.11137	2.48412	2.41308	2.26369	2.42993	+++++	2.54044	2.54044	12.968

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-OCT-2007 13:41
End Cal Date : 16-OCT-2007 16:33
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP Genie
Method file : /chem2/ecd5.i/20071016.b/PCB2.m
Cal Date : 17-Oct-2007 08:57 peter
Curve Type : Average

Calibration File Names:
Level 1: /chem2/ecd5.i/20071016.b/ical-2.b/1016B003.d
Level 2: /chem2/ecd5.i/20071016.b/ical-2.b/1016B005.d
Level 3: /chem2/ecd5.i/20071016.b/ical-2.b/1016B002.d
Level 4: /chem2/ecd5.i/20071016.b/ical-2.b/1016B006.d
Level 5: /chem2/ecd5.i/20071016.b/ical-2.b/1016B004.d
Level 7: /chem2/ecd5.i/20071016.b/ical-2.b/1016B012.d

Compound	20.000 Level 1	100.000 Level 2	250.000 Level 3	500.000 Level 4	1000.000 Level 5	250.000 Level 7	___ RRF	% RSD
1 Aroclor-1221(1)	+++++	+++++	+++++	+++++	+++++	0.01301	0.01301	0.000
(2)	+++++	+++++	+++++	+++++	+++++	0.00750	0.00750	0.000
(3)	+++++	+++++	+++++	+++++	+++++	0.02287	0.02287	0.000
(4)	+++++	+++++	+++++	+++++	+++++	0.00925	0.00925	0.000
4 Aroclor-1232(1)	+++++	+++++	+++++	+++++	+++++	0.01941	0.01941	0.000
(2)	+++++	+++++	+++++	+++++	+++++	0.01949	0.01949	0.000
(3)	+++++	+++++	+++++	+++++	+++++	0.03686	0.03686	0.000
(4)	+++++	+++++	+++++	+++++	+++++	0.00923	0.00923	0.000
3 Aroclor-1242(1)	+++++	+++++	+++++	+++++	+++++	0.01612	0.01612	0.000
(2)	+++++	+++++	+++++	+++++	+++++	0.03153	0.03153	0.000
(3)	+++++	+++++	+++++	+++++	+++++	0.06573	0.06573	0.000
(4)	+++++	+++++	+++++	+++++	+++++	0.02628	0.02628	0.000
(5)	+++++	+++++	+++++	+++++	+++++	0.02517	0.02517	0.000
6 Aroclor-1248(1)	+++++	+++++	+++++	+++++	+++++	0.04932	0.04932	0.000
(2)	+++++	+++++	+++++	+++++	+++++	0.02733	0.02733	0.000
(3)	+++++	+++++	+++++	+++++	+++++	0.03208	0.03208	0.000
(4)	+++++	+++++	+++++	+++++	+++++	0.04443	0.04443	0.000
7 Aroclor-1016(1)	0.04933	0.03983	0.03765	0.03408	0.03688	+++++	0.03955	14.762
(2)	0.09990	0.08127	0.07993	0.07444	0.08250	+++++	0.08361	11.497
(3)	0.04066	0.03318	0.03206	0.02924	0.03176	+++++	0.03338	12.932
(4)	0.03215	0.02558	0.02502	0.02341	0.02494	+++++	0.02622	13.015

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-OCT-2007 13:41
End Cal Date : 16-OCT-2007 16:33
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP Genie
Method file : /chem2/ecd5.i/20071016.b/PCB2.m
Cal Date : 17-Oct-2007 08:57 peter
Curve Type : Average

Compound	20.000 Level 1	100.000 Level 2	250.000 Level 3	500.000 Level 4	1000.000 Level 5	250.000 Level 7	RRF	% RSD
8 Aroclor-1254(1)	+++++	+++++	+++++	+++++	+++++	0.04559	0.04559	0.000
(2)	+++++	+++++	+++++	+++++	+++++	0.03473	0.03473	0.000
(3)	+++++	+++++	+++++	+++++	+++++	0.07481	0.07481	0.000
(4)	+++++	+++++	+++++	+++++	+++++	0.07551	0.07551	0.000
(5)	+++++	+++++	+++++	+++++	+++++	0.04249	0.04249	0.000
10 Aroclor-1262(1)	+++++	+++++	+++++	+++++	+++++	0.20093	0.20093	0.000
(2)	+++++	+++++	+++++	+++++	+++++	0.37198	0.37198	0.000
(3)	+++++	+++++	+++++	+++++	+++++	0.15680	0.15680	0.000
(4)	+++++	+++++	+++++	+++++	+++++	0.24173	0.24173	0.000
(5)	+++++	+++++	+++++	+++++	+++++	0.11865	0.11865	0.000
9 Aroclor-1260(1)	0.15765	0.12362	0.12302	0.10808	0.10330	+++++	0.12313	17.285
(2)	0.08605	0.06917	0.06988	0.06068	0.06278	+++++	0.06971	14.288
(3)	0.36847	0.27949	0.28955	0.26176	0.27017	+++++	0.29389	14.620
(4)	0.09697	0.08064	0.07926	0.07222	0.06801	+++++	0.07942	13.959
(5)	0.21450	0.17720	0.18215	0.16707	0.17452	+++++	0.18309	10.043
11 Aroclor-1268(1)	+++++	+++++	+++++	+++++	+++++	0.37123	0.37123	0.000
(2)	+++++	+++++	+++++	+++++	+++++	0.35255	0.35255	0.000
(3)	+++++	+++++	+++++	+++++	+++++	0.27764	0.27764	0.000
(4)	+++++	+++++	+++++	+++++	+++++	0.81050	0.81050	0.000
$ 2 Tetrachloro-m-xylene	1.12879	1.01925	1.05943	1.01638	1.03544	+++++	1.05186	4.400
$ 13 Decachlorobiphenyl	1.96423	1.84017	1.94632	1.84305	2.01259	+++++	1.92127	3.990

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/ical-1.b/1016B001.d
Data file 2: 20071016.b/ical-2.b/1016B001.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: IB
Client ID:
Injection Date: 16-OCT-2007 13:24
Report Date: 10/17/2007 08:58
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.537	0.014	16069352	4.607	0.002	10873651	41.3	41.7	1.1	Tetrachloro-m-xylene
11.143	0.007	11626986	11.501	0.005	6431236	39.3	42.7	8.3	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	103.3	104.4
Decachlorobiphenyl	98.3	106.8

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	29692546	-5.9
Hexabromobiphenyl	9983366	9310326	-6.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	19808511	-2.5
Hexabromobiphenyl	6610345	6267398	-5.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

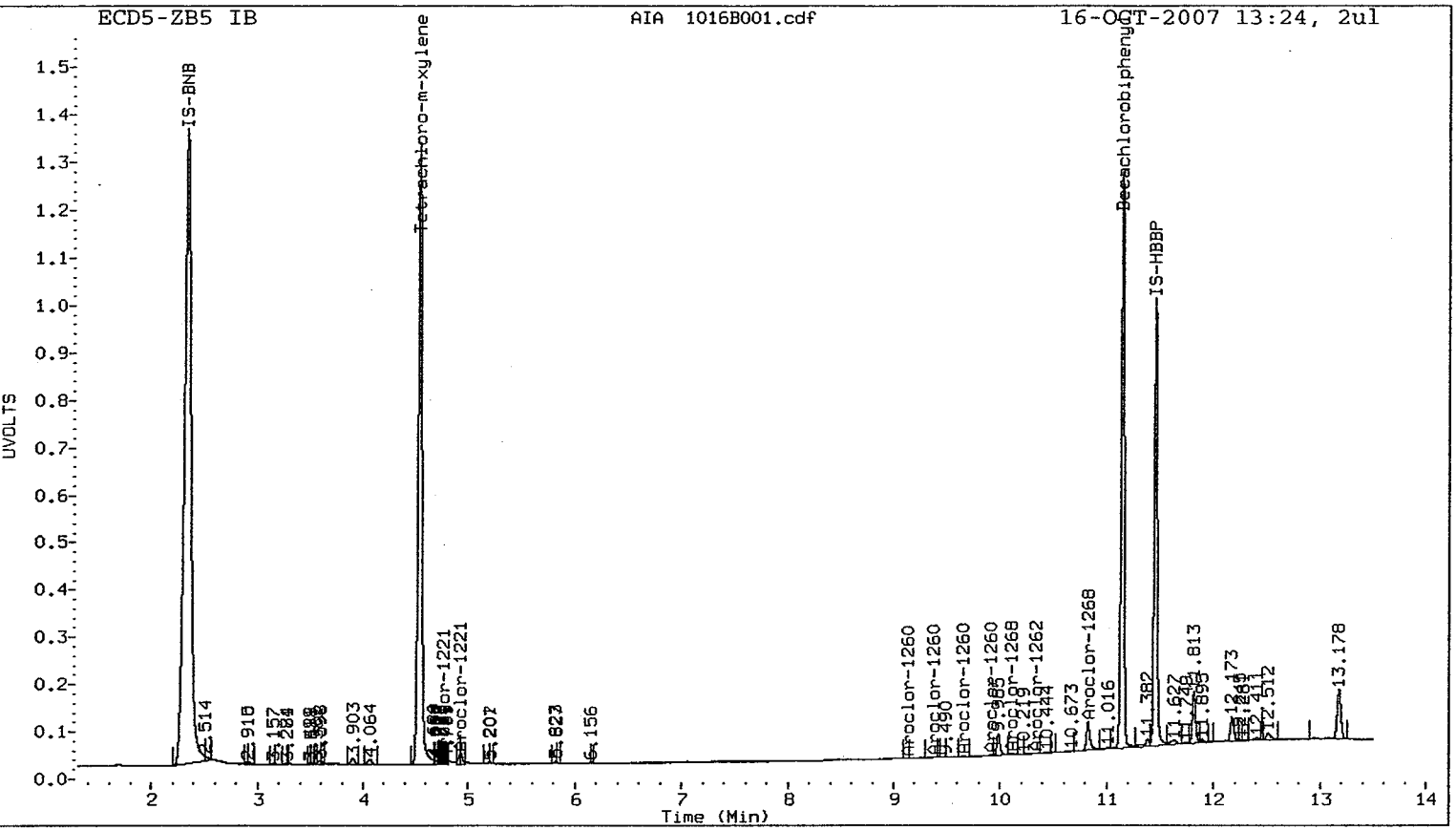
Aroclor	Peak#	RT	ZB5 Col Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	---			0.0	1	---			0.0
Aroclor-1016	2	---			0.0	2	---			0.0
Aroclor-1016	3	---			0.0	3	---			0.0
Aroclor-1016	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1221	1	4.765	-0.018	13493	3.3	1	---			0.0
Aroclor-1221	2	4.926	0.017	135530	49.7	2	---			0.0
Aroclor-1221	3	4.930	-0.056	151090	16.4	3	---			0.0
Aroclor-1221	NS	---			----	4	---			0.0
	Total Col1Ave (3 peaks):		23.1			Col2Ave: <3 Quant Peaks				
Aroclor-1232	1	---			0.0	1	---			0.0
Aroclor-1232	2	---			0.0	2	---			0.0
Aroclor-1232	3	---			0.0	3	---			0.0
Aroclor-1232	4	---			0.0	4	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1242	1	---			0.0	1	---			0.0
Aroclor-1242	2	---			0.0	2	---			0.0
Aroclor-1242	3	---			0.0	3	---			0.0
Aroclor-1242	4	---			0.0	4	---			0.0
Aroclor-1242	NS	---			----	5	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1248	1	---			0.0	1	---			0.0
Aroclor-1248	2	---			0.0	2	---			0.0
Aroclor-1248	3	---			0.0	3	---			0.0
Aroclor-1248	4	---			0.0	4	---			0.0
Aroclor-1248	5	---			0.0	NS	---			----
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1254	1	---			0.0	1	---			0.0
Aroclor-1254	2	---			0.0	2	---			0.0
Aroclor-1254	3	---			0.0	3	---			0.0
Aroclor-1254	4	---			0.0	4	---			0.0
Aroclor-1254	5	---			0.0	5	---			0.0
	Col1Ave: <3 Quant Peaks					Col2Ave: <3 Quant Peaks				
Aroclor-1260	1	---			0.0	1	---			0.0
Aroclor-1260	2	9.140	0.091	14310	1.0	2	---			0.0
Aroclor-1260	3	9.382	0.033	17619	0.5	3	---			0.0
Aroclor-1260	4	9.654	-0.036	23120	1.3	4	---			0.0
Aroclor-1260	5	9.915	0.075	39094	3.7	5	---			0.0
	Total Col1Ave (4 peaks):		1.6			Col2Ave: <3 Quant Peaks				
Aroclor-1262	1	---			0.0	1	---			0.0
Aroclor-1262	2	9.382	0.032	17619	0.4	2	---			0.0
Aroclor-1262	3	9.654	-0.037	23120	1.6	3	---			0.0
Aroclor-1262	4	---			0.0	4	---			0.0
Aroclor-1262	5	10.339	-0.047	22805	1.4	5	---			0.0
	Total Col1Ave (3 peaks):		1.1			Col2Ave: <3 Quant Peaks				
Aroclor-1268	1	9.654	-0.124	23120	0.4	1	---			0.0
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	10.110	-0.052	54448	1.3	3	---			0.0
Aroclor-1268	4	10.825	0.026	734185	6.5	4	---			0.0
	Total Col1Ave (3 peaks):		2.7			Col2Ave: <3 Quant Peaks				

Total PCB Area Col1 (4.623 - 11.035) = 2198589 Col1 Total PCB = 0.0 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 3048566 Col2 Total PCB = 0.0 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.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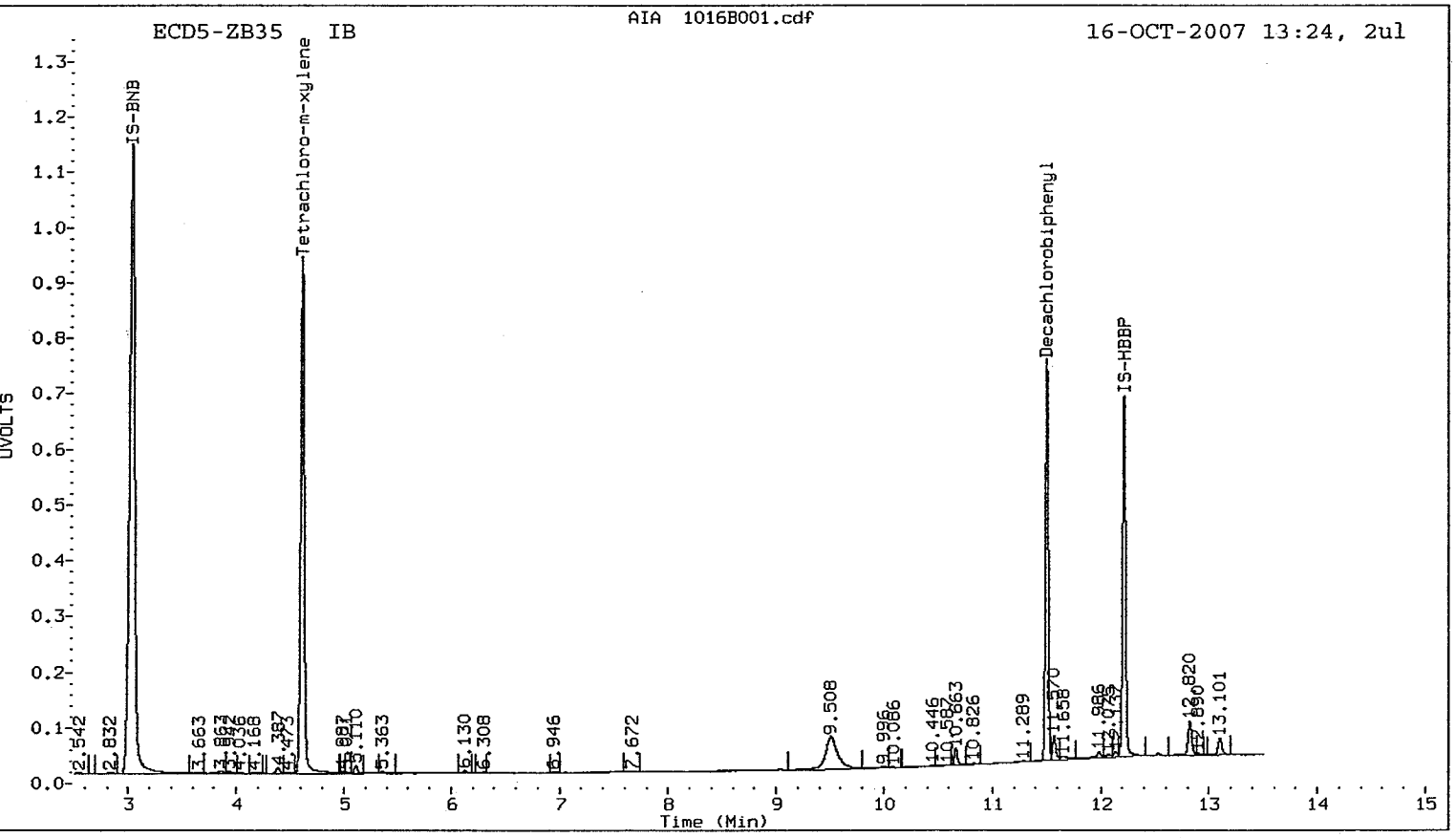
AIA 1016B001.cdf
16-OCT-2007 13:24, 2ul
IS-BNB
Tetrachloro-m-xylene
Decachlorobiphenyl
IS-HBBP
Aroclor-1260
Aroclor-1221
Aroclor-1268
Aroclor-1262
UVOLTS
Time (Min)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16-OCT-2007 13:24, 2ul
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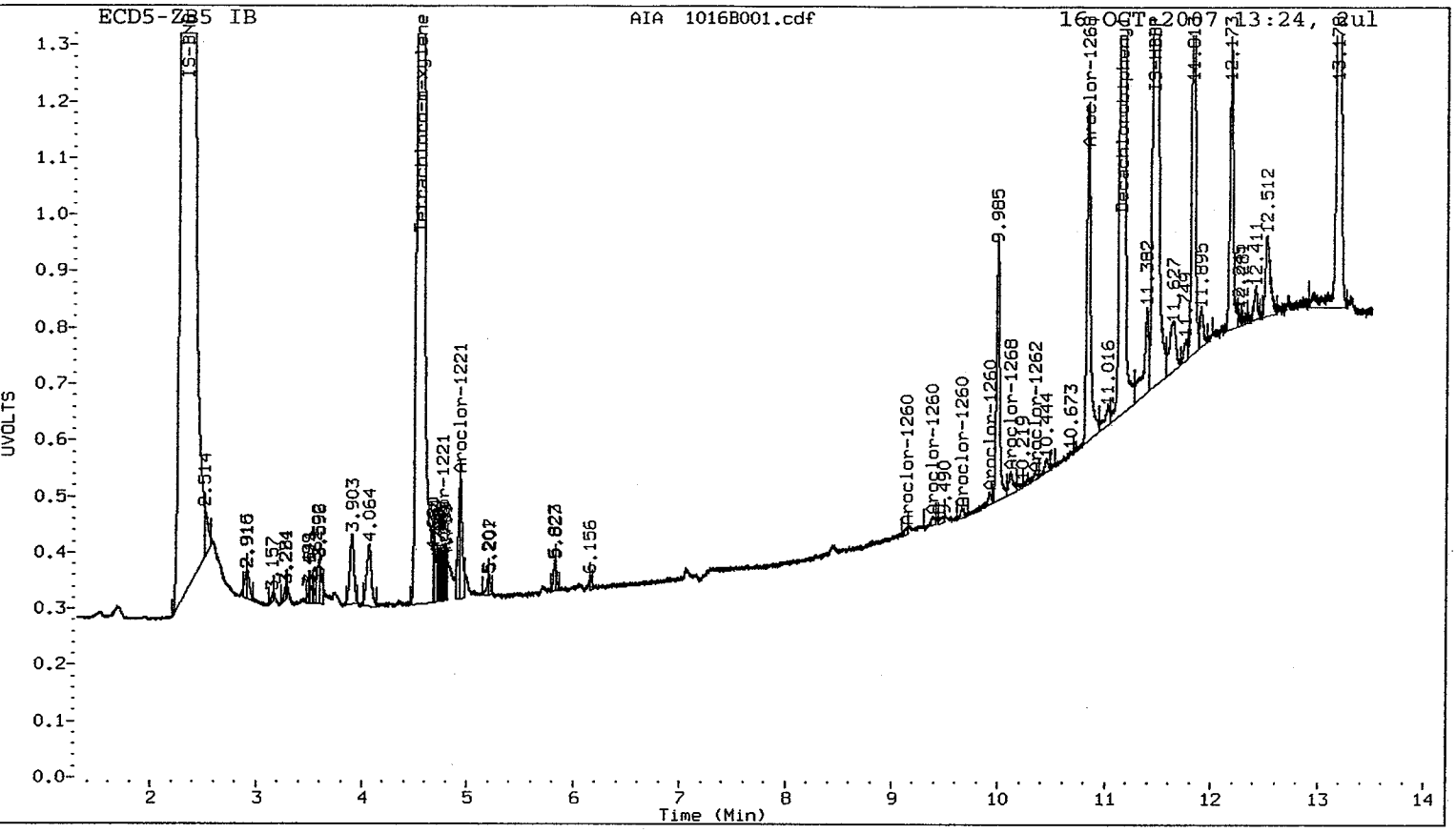
Tetrachloro-m-xylene
Decachlorobiphenyl
IS-HBBP
UVOLTS
Time (Min)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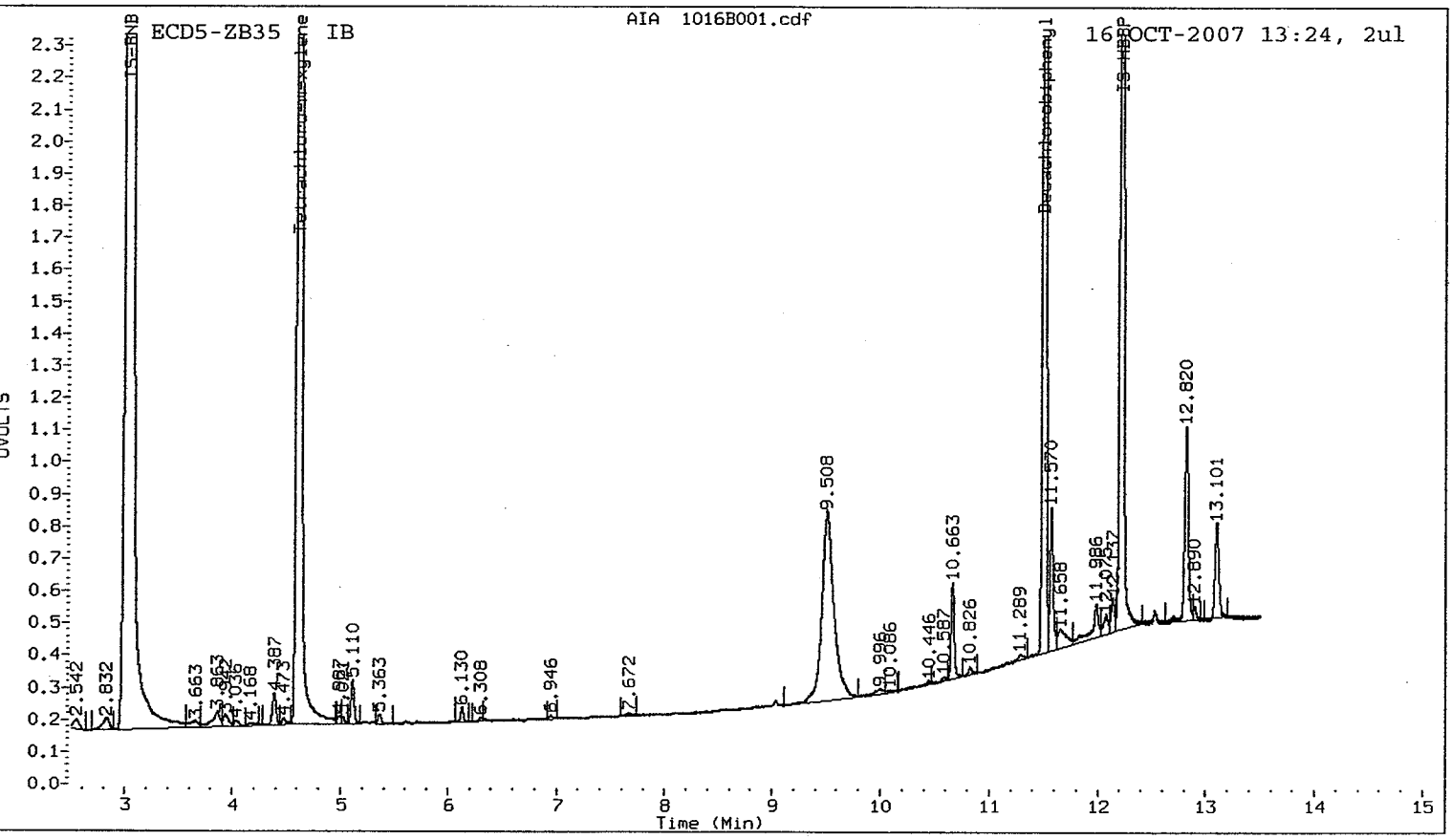
AIA 1016B001.cdf
16-OCT-2007 13:24, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1221
Aroclor-1260
Aroclor-1268
Decachlorobiphenyl
IS-HBBP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AIA 1016B001.cdf
16-OCT-2007 13:24, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Decachlorobiphenyl
IS-HBBP

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/ical-1.b/1016B002.d
Data file 2: 20071016.b/ical-2.b/1016B002.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1660
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660 .25
Client ID:
Injection Date: 16-OCT-2007 13:41
Report Date: 10/17/2007 08:58
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
4.525	0.000	8262810	4.607	0.002	5383211	20.0	20.1	0.8	Tetrachloro-m-xylene
11.138	0.000	6022666	11.498	0.002	3216455	19.0	20.3	6.4	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	49.9	50.4
Decachlorobiphenyl	47.5	50.7

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	31569414	0.0
Hexabromobiphenyl	9983366	9983366	0.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	20324893	0.0
Hexabromobiphenyl	6610345	6610345	0.0

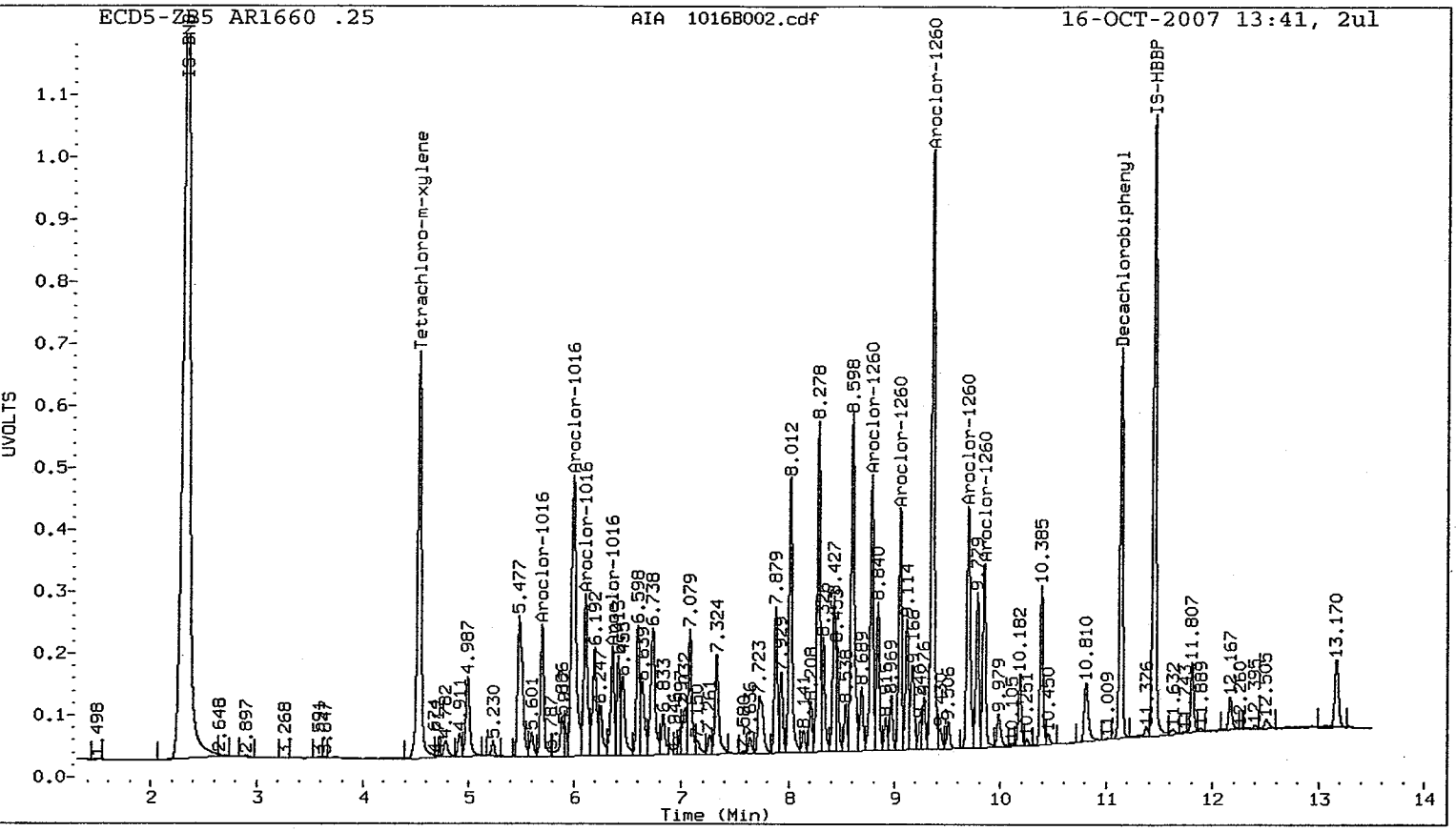
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

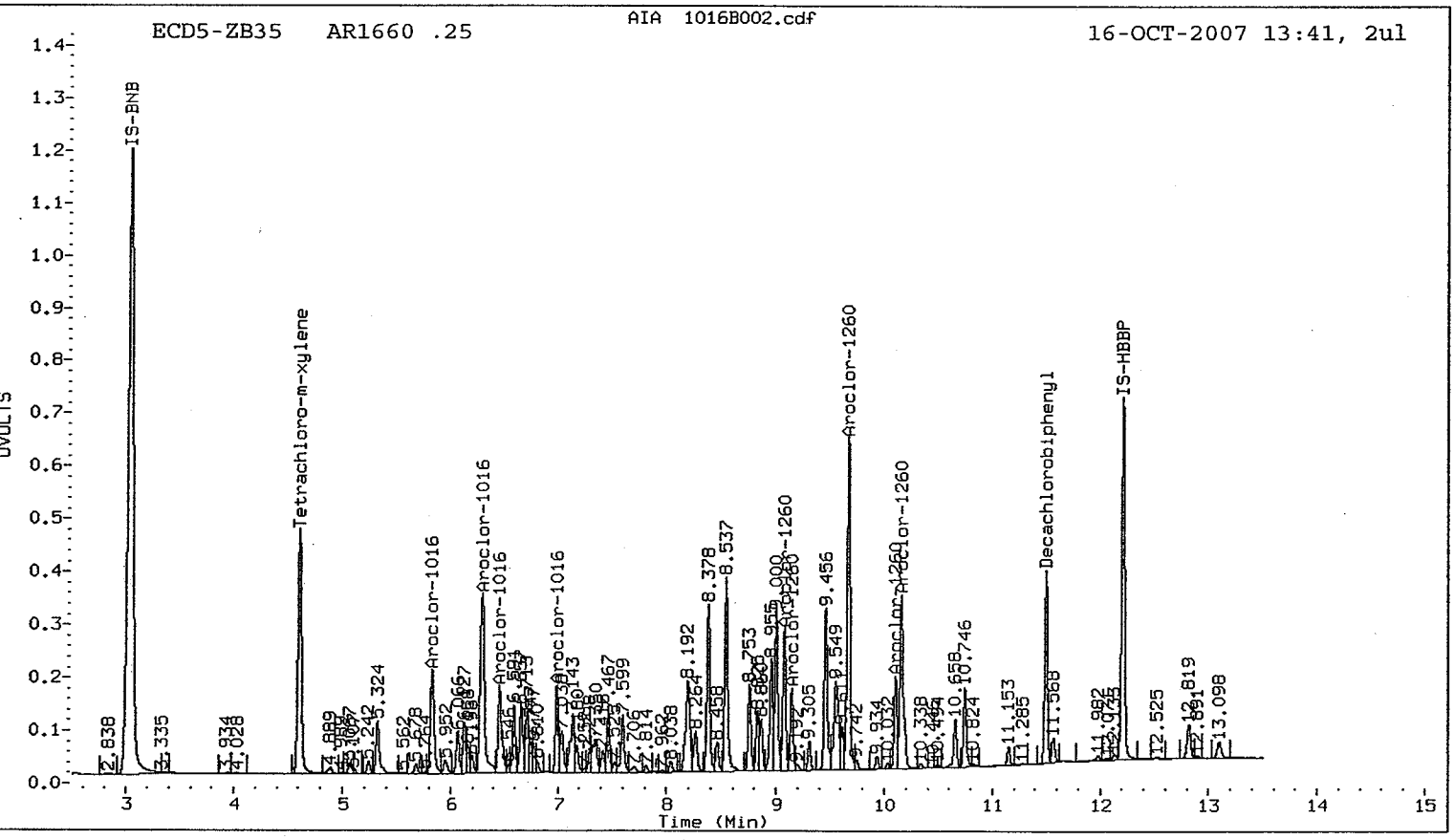
		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	5.697	0.000	2421365	243.0	1	5.825	0.001	2391576	238.0
Aroclor-1016	2	5.994	0.000	7283513	241.9	2	6.294	0.002	5077065	239.0
Aroclor-1016	3	6.106	0.000	3234997	244.8	3	6.455	0.002	2036137	240.1
Aroclor-1016	4	6.359	0.000	1980776	244.5	4	6.992	0.002	1589325	238.6
Total Col1Ave (4 peaks):					243.5	Total Col2Ave (4 peaks):				238.9 RPD = 2
Corrected Ave (4 peaks):					243.5	Corrected Ave (4 peaks):				238.9 RPD = 2
Aroclor-1260	1	8.781	0.000	4460246	249.3	1	9.074	0.002	2541335	249.8
Aroclor-1260	2	9.050	0.000	3744280	247.2	2	9.142	0.002	1443592	250.6
Aroclor-1260	3	9.351	0.000	9904107	248.3	3	9.665	0.002	5981349	246.3
Aroclor-1260	4	9.691	0.000	4468480	242.0	4	10.104	0.001	1637340	249.5
Aroclor-1260	5	9.842	0.000	2935446	256.8	5	10.156	0.002	3762636	248.7
Total Col1Ave (5 peaks):					248.7	Total Col2Ave (5 peaks):				249.0 RPD = 0
Corrected Ave (5 peaks):					248.7	Corrected Ave (5 peaks):				249.0 RPD = 0

Total PCB Area Col1 (4.625 - 11.038) = 118232515 Col1 Total PCB = 0.5 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 73786945 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical


ECD5-ZB5 AR1660 .25
AIA 1016B002.cdf
16-OCT-2007 13:41, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP


ECD5-ZB35 AR1660 .25
AIA 1016B002.cdf
16-OCT-2007 13:41, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/ical-1.b/1016B003.d
Data file 2: 20071016.b/ical-2.b/1016B003.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1660
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660 .02
Client ID:
Injection Date: 16-OCT-2007 13:59
Report Date: 10/17/2007 08:58
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
4.523	0.000	765915	4.605	0.000	473279	1.8	1.7	6.6	Tetrachloro-m-xylene
11.136	0.000	624943	11.498	0.001	264888	2.0	1.6	18.0	Decachlorobiphenyl M

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	4.6	4.3
Decachlorobiphenyl	4.9	4.1

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	31869113	0.9
Hexabromobiphenyl	9983366	10042884	0.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	20963919	3.1
Hexabromobiphenyl	6610345	6742790	2.0

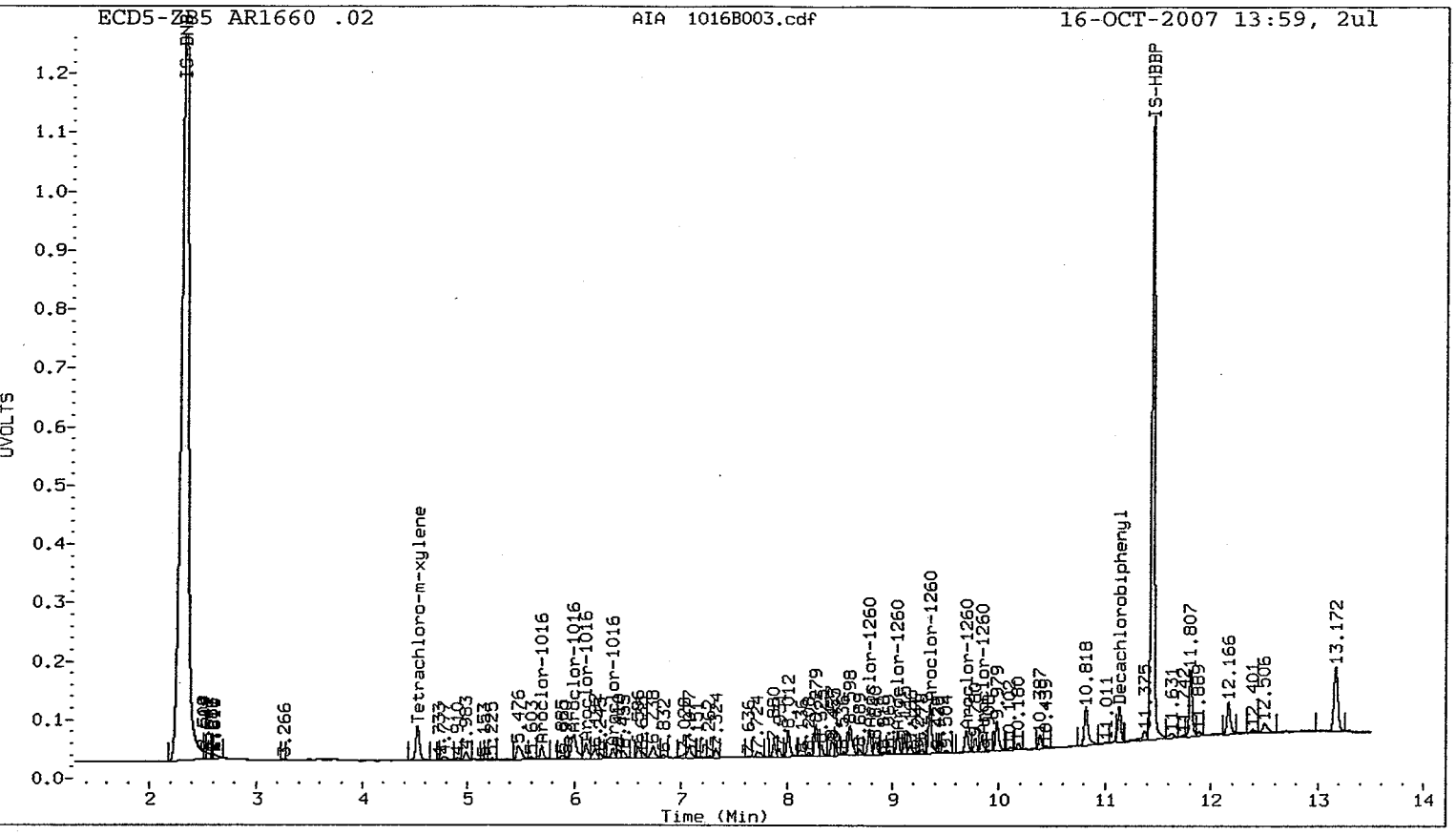
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	ZB5 Col Shift	Area	Amount	Peak#	RT	ZB35 Col Shift	Area	Amount
Aroclor-1016	1	5.697	0.000	258845	25.7	1	5.825	0.001	258530	24.9
Aroclor-1016	2	5.993	0.000	721184	23.7	2	6.294	0.001	523549	23.9
Aroclor-1016	3	6.107	0.000	340551	25.5	3	6.455	0.002	213088	24.4
Aroclor-1016	4	6.360	0.000	203932	24.9	4	6.991	0.001	168516	24.5
Total Col1Ave (4 peaks):				25.0		Total Col2Ave (4 peaks):			24.4	RPD = 2
Corrected Ave (4 peaks):				25.0		Corrected Ave (4 peaks):			24.4	RPD = 2
Aroclor-1260	1	8.781	0.000	435190	24.2	1	9.074	0.002	265755	25.6
Aroclor-1260	2	9.051	0.000	363190	23.8	2	9.141	0.001	145059	24.7
Aroclor-1260	3	9.352	0.000	927287	23.1	3	9.666	0.002	621137	25.1
Aroclor-1260	4	9.693	0.000	436033	23.5	4	10.103	0.000	163466	24.4
Aroclor-1260	5	9.843	0.000	270689	23.5	5	10.156	0.002	361580	23.4
Total Col1Ave (5 peaks):				23.6		Total Col2Ave (5 peaks):			24.6	RPD = 4
Corrected Ave (5 peaks):				23.6		Corrected Ave (5 peaks):			24.6	RPD = 4

Total PCB Area Col1 (4.623 - 11.036) = 12964584 Col1 Total PCB = 0.1 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 9029522 Col2 Total PCB = 0.1 ppm*

* Quantitated against AR1660 0.25ppm in Ical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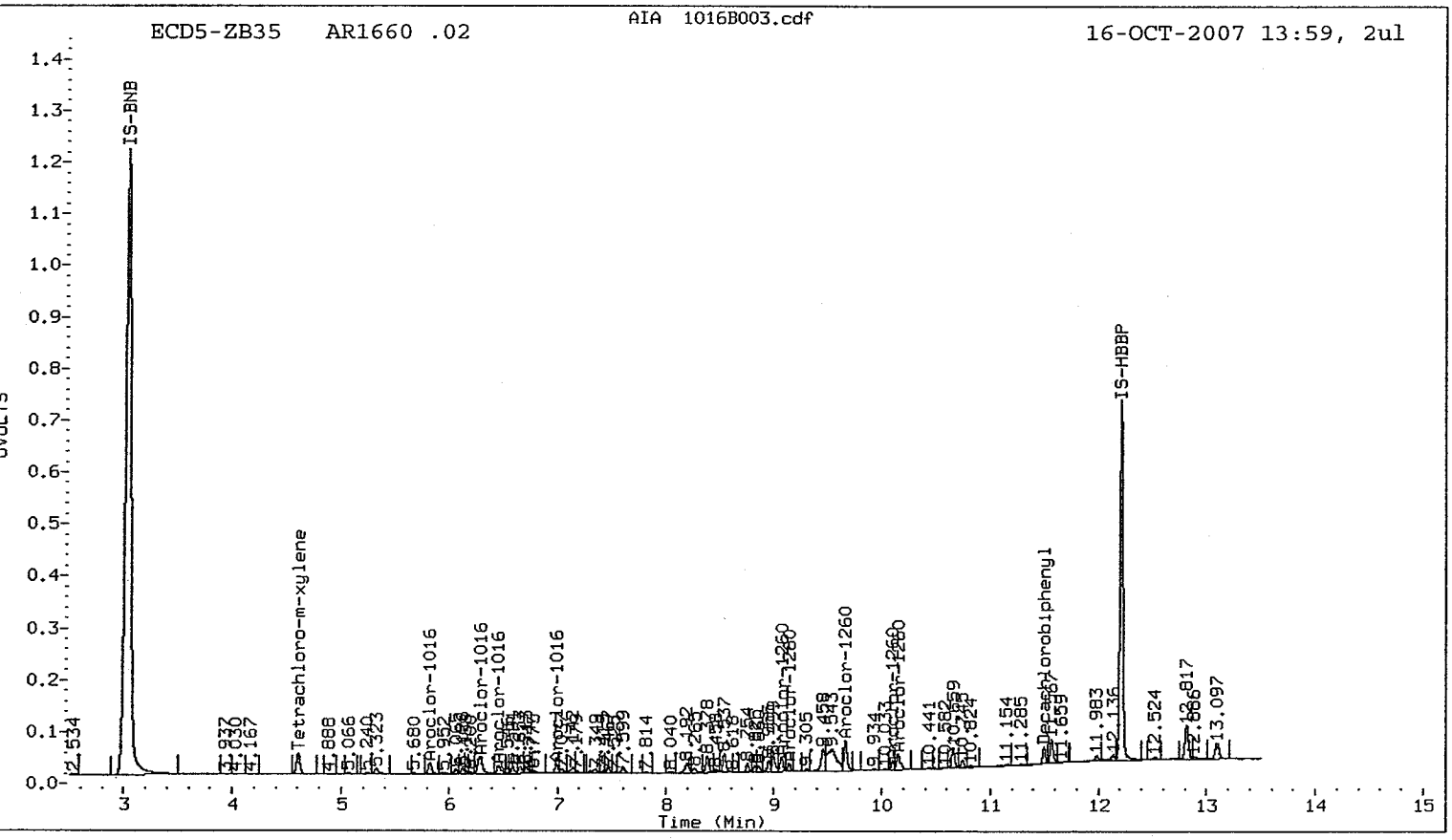
AIA 1016B003.cdf
16-OCT-2007 13:59, 2ul
IS-BNB
IS-HBBP
Tetrachloro-m-xylene
Decachlorobiphenyl
UVOLTS
Time (Min)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AIA 1016B003.cdf
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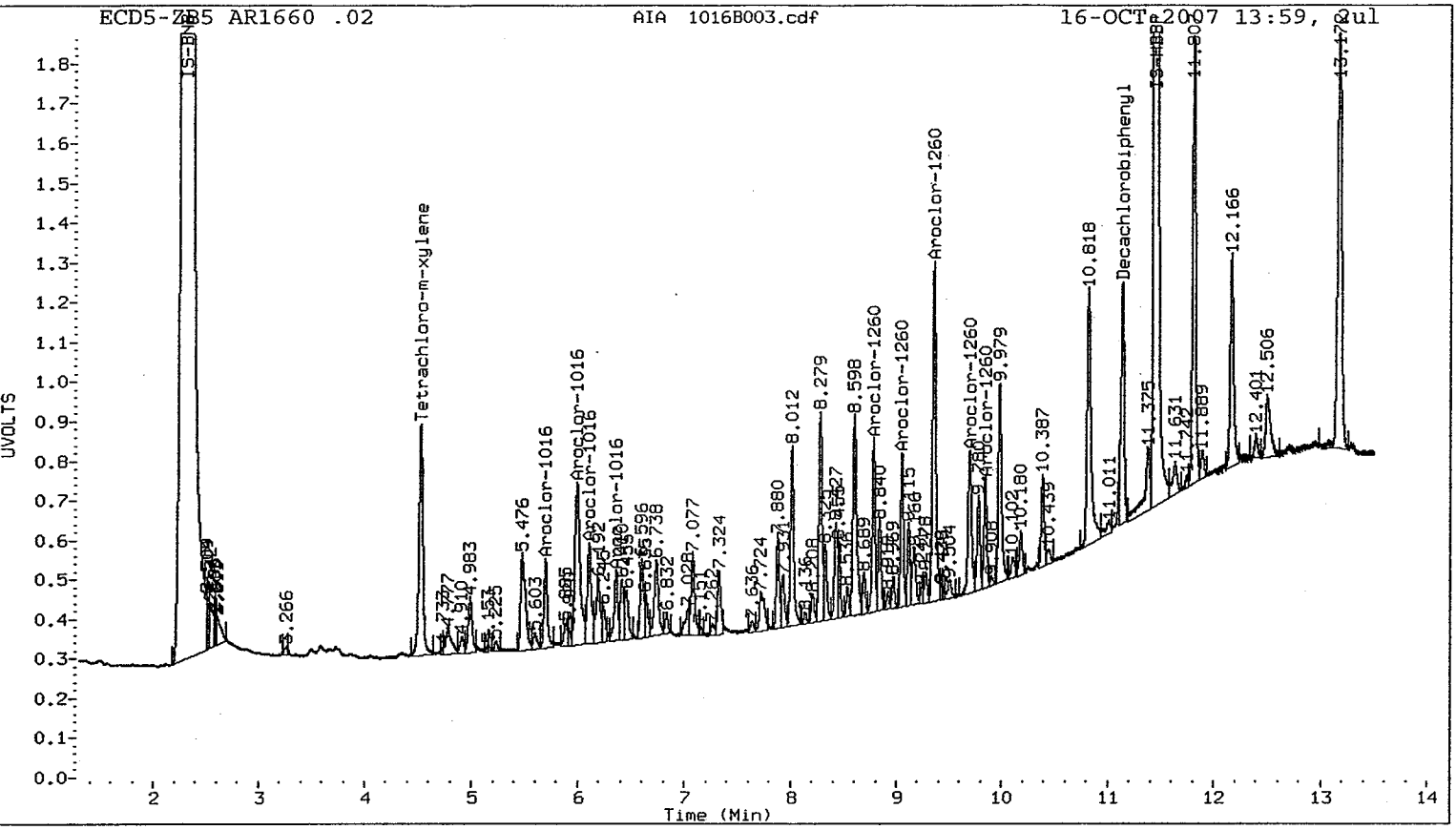
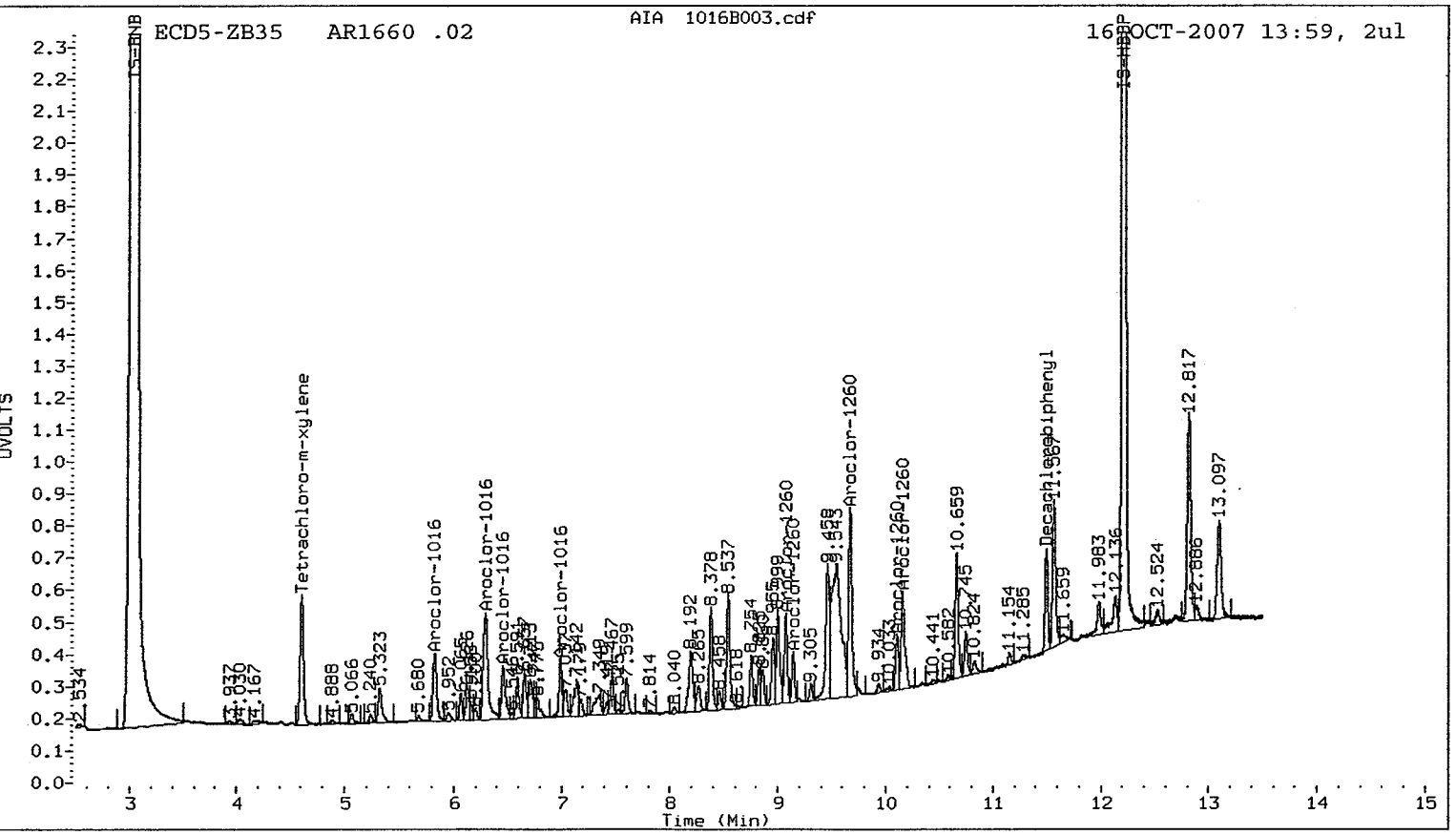
IS-HBBP
Tetrachloro-m-xylene
Decachlorobiphenyl
Time (Min)


ECD5-ZB5 AR1660 .02
AIA 1016B003.cdf
16-OCT-2007 13:59, 2ul
UVOLTS
Time (Min)
IS-DNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP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16-OCT-2007 13:59, 2ul
UVOLTS
Time (Min)
IS-DNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/ical-1.b/1016B004.d
Data file 2: 20071016.b/ical-2.b/1016B004.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1660
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660 1.0
Client ID:
Injection Date: 16-OCT-2007 14:16
Report Date: 10/17/2007 08:58
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.523	0.000	30391204	4.604	-0.001	20461209	73.8	78.8	6.5	Tetrachloro-m-xylene
11.136	0.000	23351692	11.497	0.001	13368027	76.5	83.8	9.1	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	184.4	196.9
Decachlorobiphenyl	191.3	209.5

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	31437582	-0.4
Hexabromobiphenyl	9983366	9610019	-3.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	19760964	-2.8
Hexabromobiphenyl	6610345	6642198	0.5

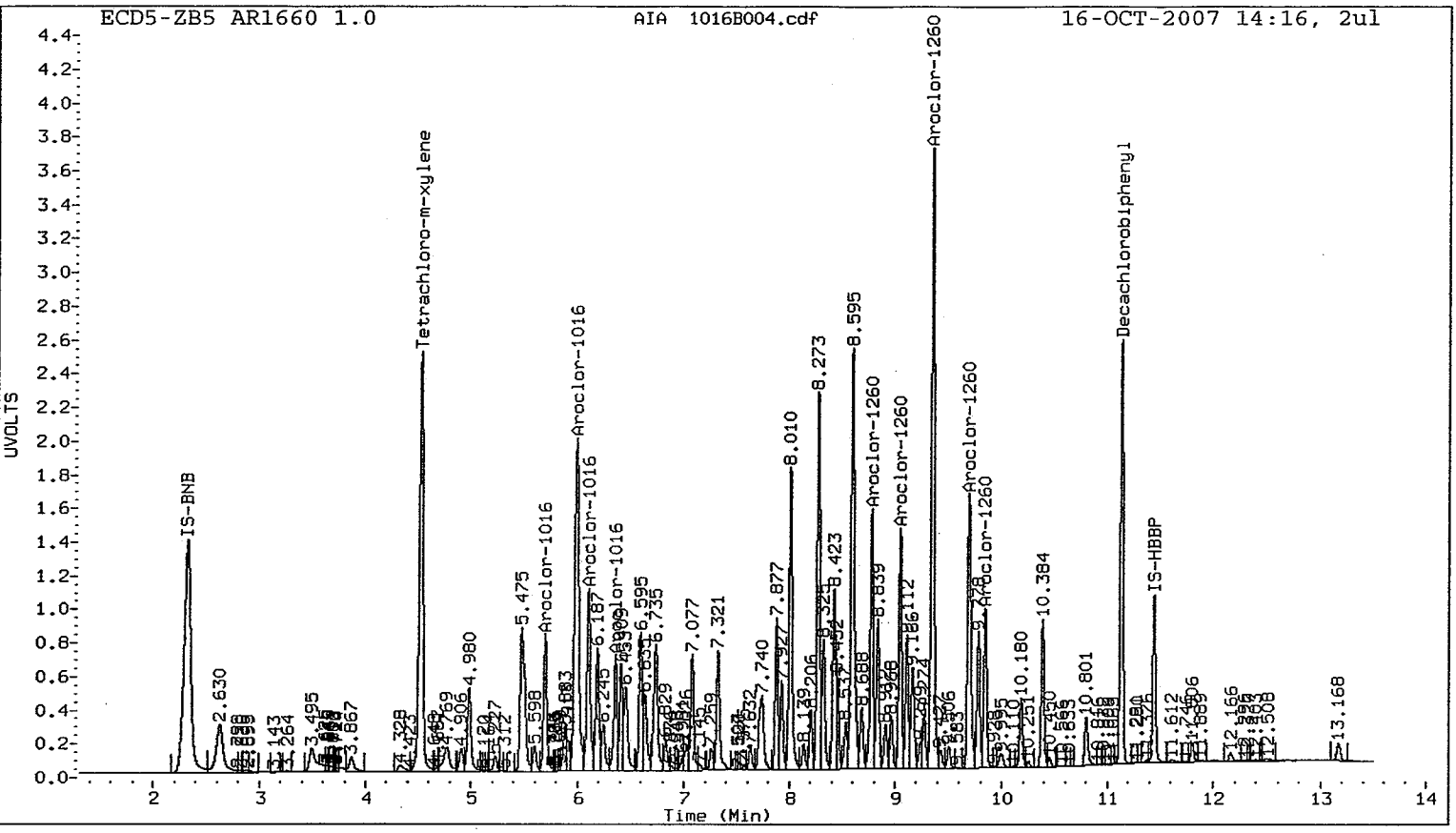
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	5.695	0.000	8818619	888.7	1	5.824	0.000	9108570	932.3
Aroclor-1016	2	5.991	0.000	28932490	964.8	2	6.293	0.000	20379627	986.8
Aroclor-1016	3	6.102	0.000	11797461	896.5	3	6.453	0.000	7844918	951.5
Aroclor-1016	4	6.359	0.000	7409893	918.3	4	6.990	0.000	6159627	951.0
Total Col1Ave (4 peaks):				917.1		Total Col2Ave (4 peaks):			955.4	RPD = 4
Corrected Ave (4 peaks):				917.1		Corrected Ave (4 peaks):			955.4	RPD = 4
Aroclor-1260	1	8.779	0.000	15155483	880.1	1	9.071	-0.001	8576875	838.9
Aroclor-1260	2	9.049	0.000	13449662	922.4	2	9.141	0.000	5212625	900.6
Aroclor-1260	3	9.349	0.000	36466967	949.8	3	9.665	0.001	22431219	919.3
Aroclor-1260	4	9.688	0.000	17859761	1004.9	4	10.103	0.000	5646728	856.3
Aroclor-1260	5	9.841	0.000	9309109	845.9	5	10.153	-0.001	14489819	953.2
Total Col1Ave (5 peaks):				920.6		Total Col2Ave (5 peaks):			893.7	RPD = 3
Corrected Ave (5 peaks):				920.6		Corrected Ave (5 peaks):			893.7	RPD = 3

Total PCB Area Col1 (4.623 - 11.036) = 437149606 Col1 Total PCB = 1.9 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 275476760 Col2 Total PCB = 1.9 ppm*

* Quantitated against AR1660 0.25ppm in Ical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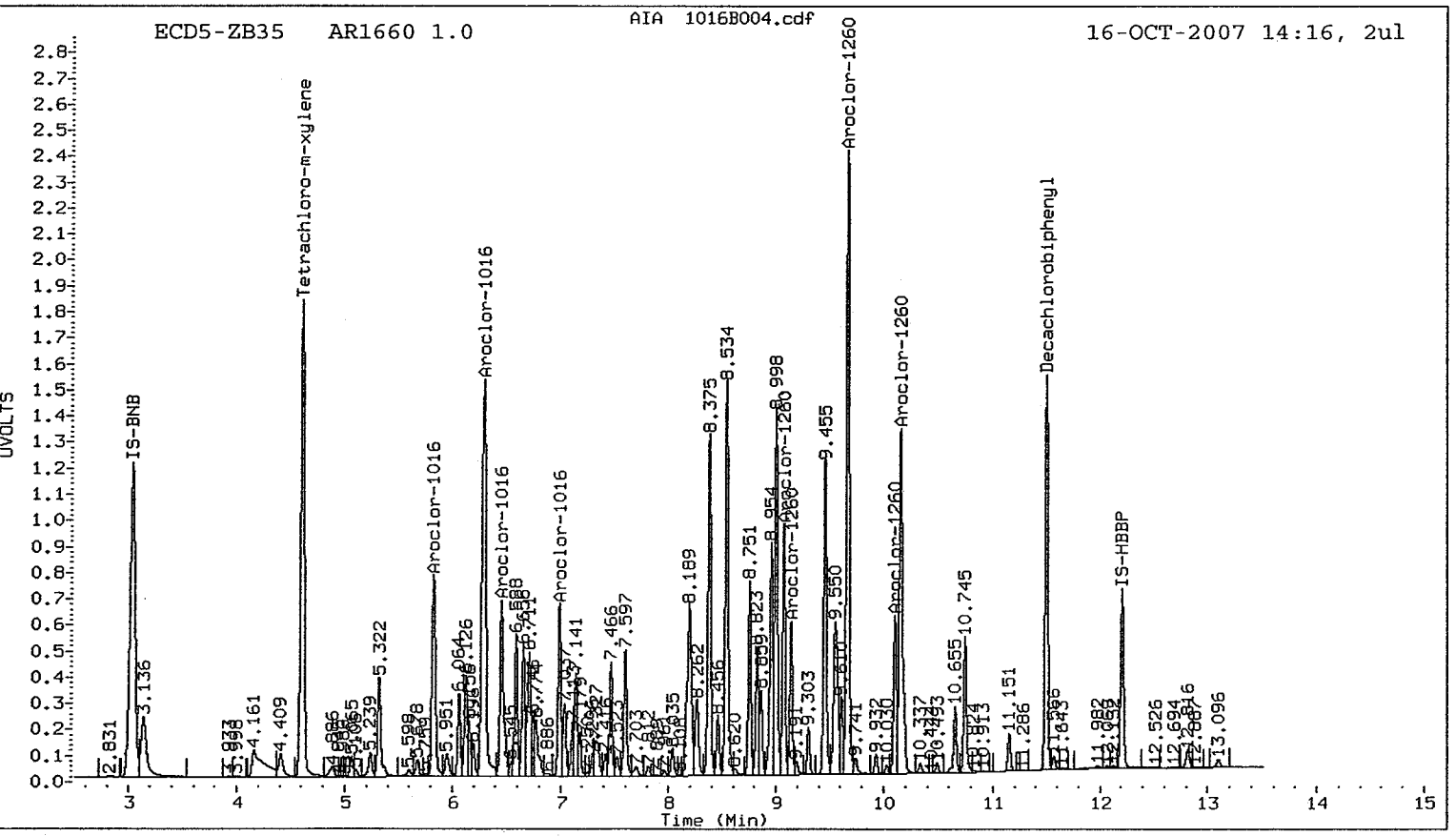
AIA 1016B004.cdf
16-OCT-2007 14:16, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP


ECD5-ZB35 AR1660 1.0
AIA 1016B004.cdf
16-OCT-2007 14:16, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/ical-1.b/1016B005.d
Data file 2: 20071016.b/ical-2.b/1016B005.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1660
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660 0.1
Client ID:
Injection Date: 16-OCT-2007 14:33
Report Date: 10/17/2007 08:58
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
4.524	0.000	3578625	4.606	0.001	2231735	8.0	7.8	3.2	Tetrachloro-m-xylene
11.136	0.000	2703295	11.497	0.001	1345071	7.8	7.7	2.1	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	20.0	19.4
Decachlorobiphenyl	19.6	19.2

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	34137766	8.1
Hexabromobiphenyl	9983366	10882314	9.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	21895824	7.7
Hexabromobiphenyl	6610345	7309482	10.6

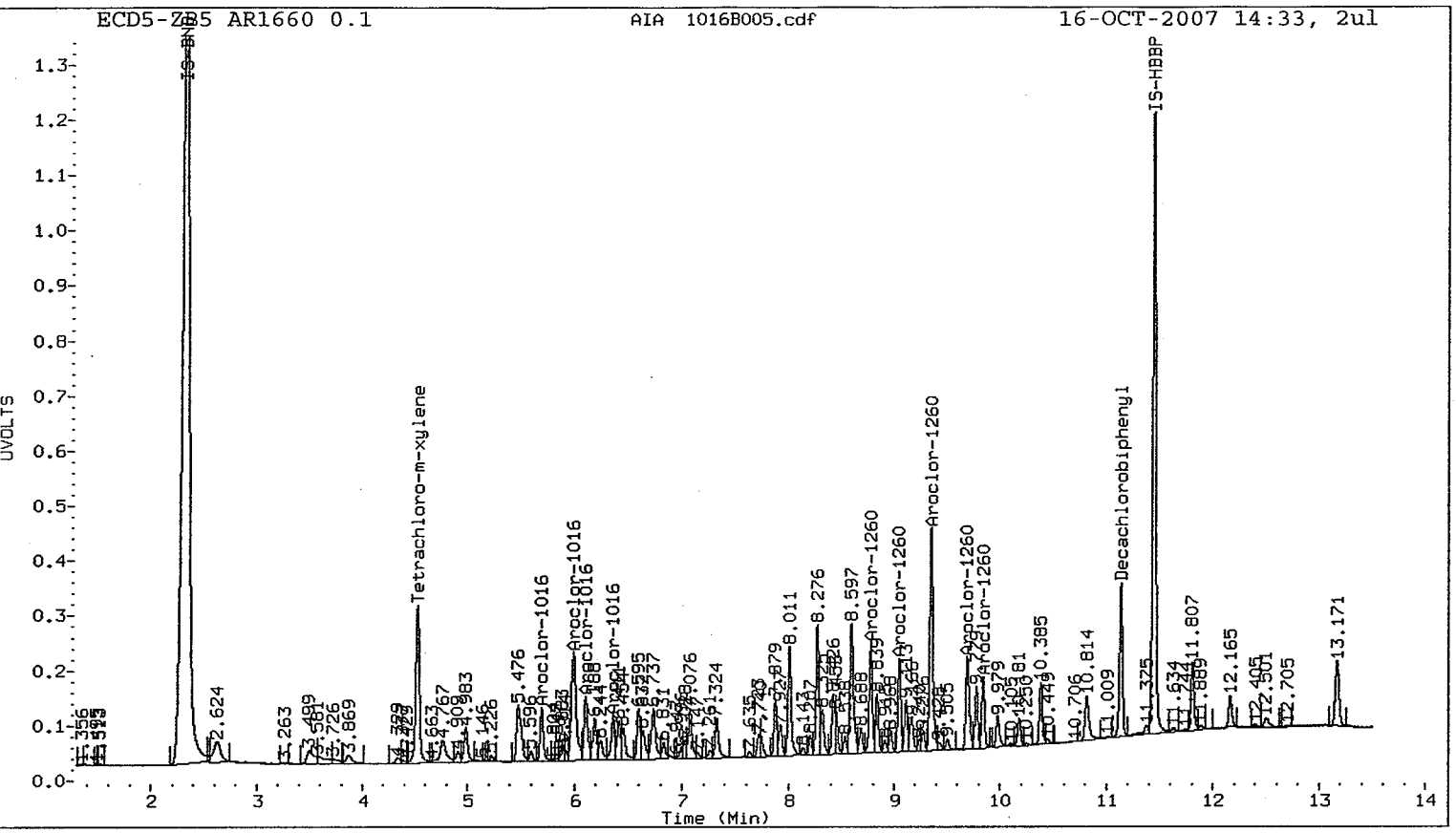
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col				
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	5.695	0.000	1075905	99.8	1	5.825	0.001	1090019	100.7
Aroclor-1016	2	5.992	0.000	3213461	98.7	2	6.293	0.001	2224312	97.2
Aroclor-1016	3	6.104	0.000	1425642	99.8	3	6.454	0.001	907994	99.4
Aroclor-1016	4	6.358	0.000	870498	99.3	4	6.991	0.001	700124	97.6
Total Col1Ave (4 peaks):					99.4	Total Col2Ave (4 peaks):			98.7	RPD = 1
Corrected Ave (4 peaks):					99.4	Corrected Ave (4 peaks):			98.7	RPD = 1
Aroclor-1260	1	8.781	0.000	1969668	101.0	1	9.073	0.001	1129475	100.4
Aroclor-1260	2	9.049	0.000	1645167	99.6	2	9.141	0.001	632014	99.2
Aroclor-1260	3	9.350	0.000	4289497	98.7	3	9.665	0.001	2553650	95.1
Aroclor-1260	4	9.690	0.000	1942315	96.5	4	10.104	0.001	736809	101.5
Aroclor-1260	5	9.841	0.000	1266941	101.7	5	10.155	0.001	1619047	96.8
Total Col1Ave (5 peaks):					99.5	Total Col2Ave (5 peaks):			98.6	RPD = 1
Corrected Ave (5 peaks):					99.5	Corrected Ave (5 peaks):			98.6	RPD = 1

Total PCB Area Col1 (4.624 - 11.036) = 53787104 Col1 Total PCB = 0.2 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 33574025 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical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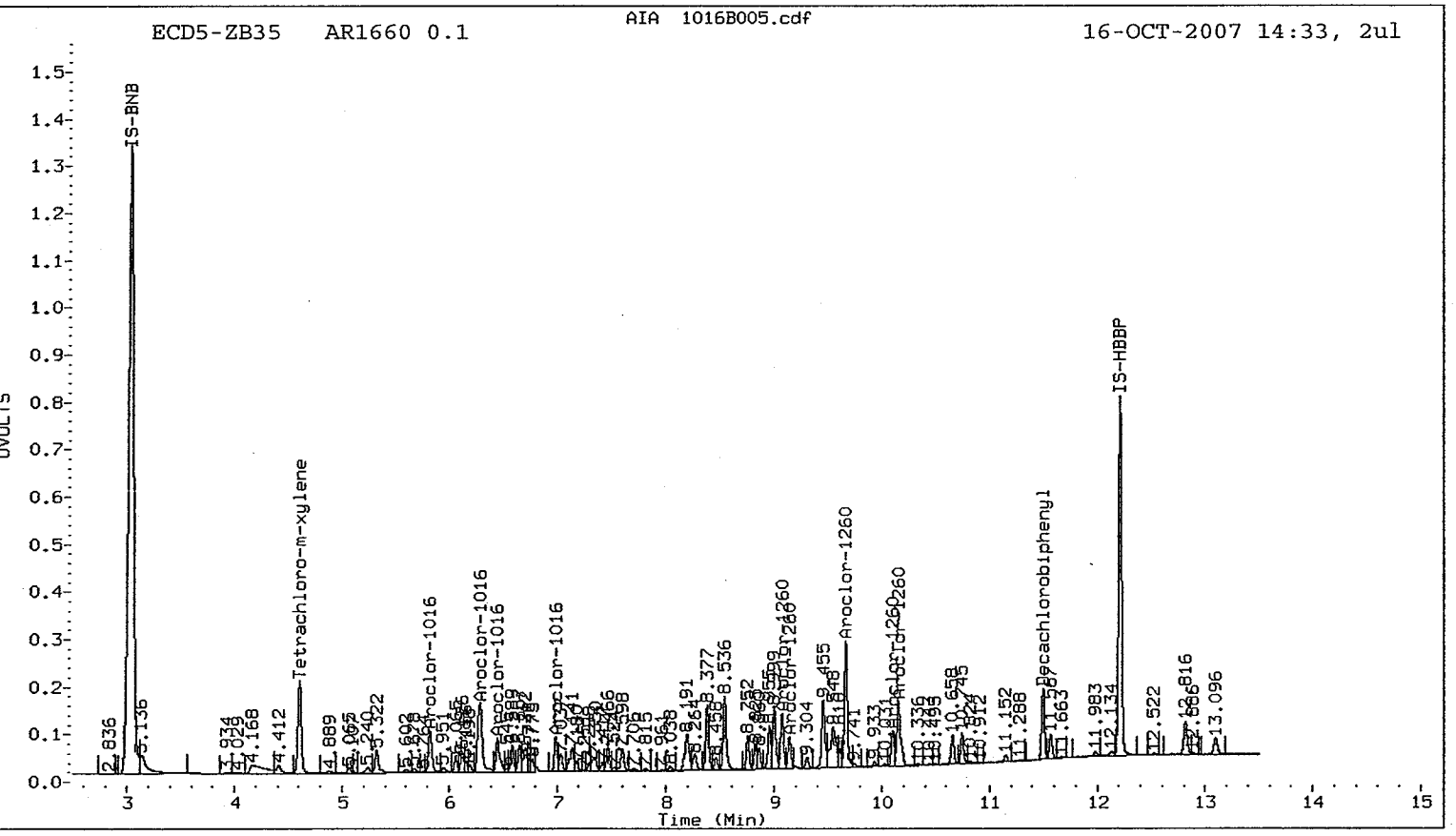
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP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Time (Min)
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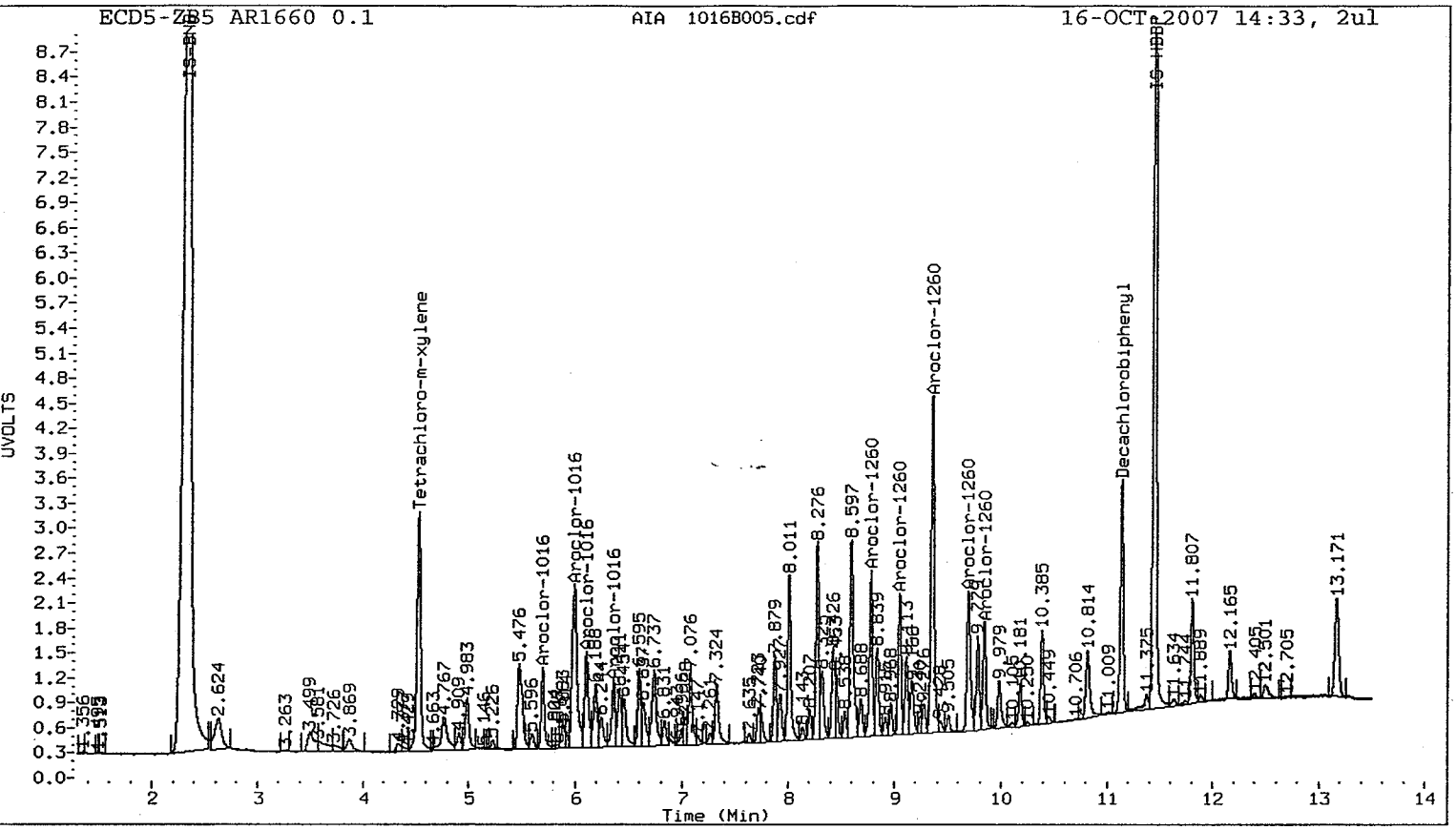
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP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UVOLTS
Time (Min)
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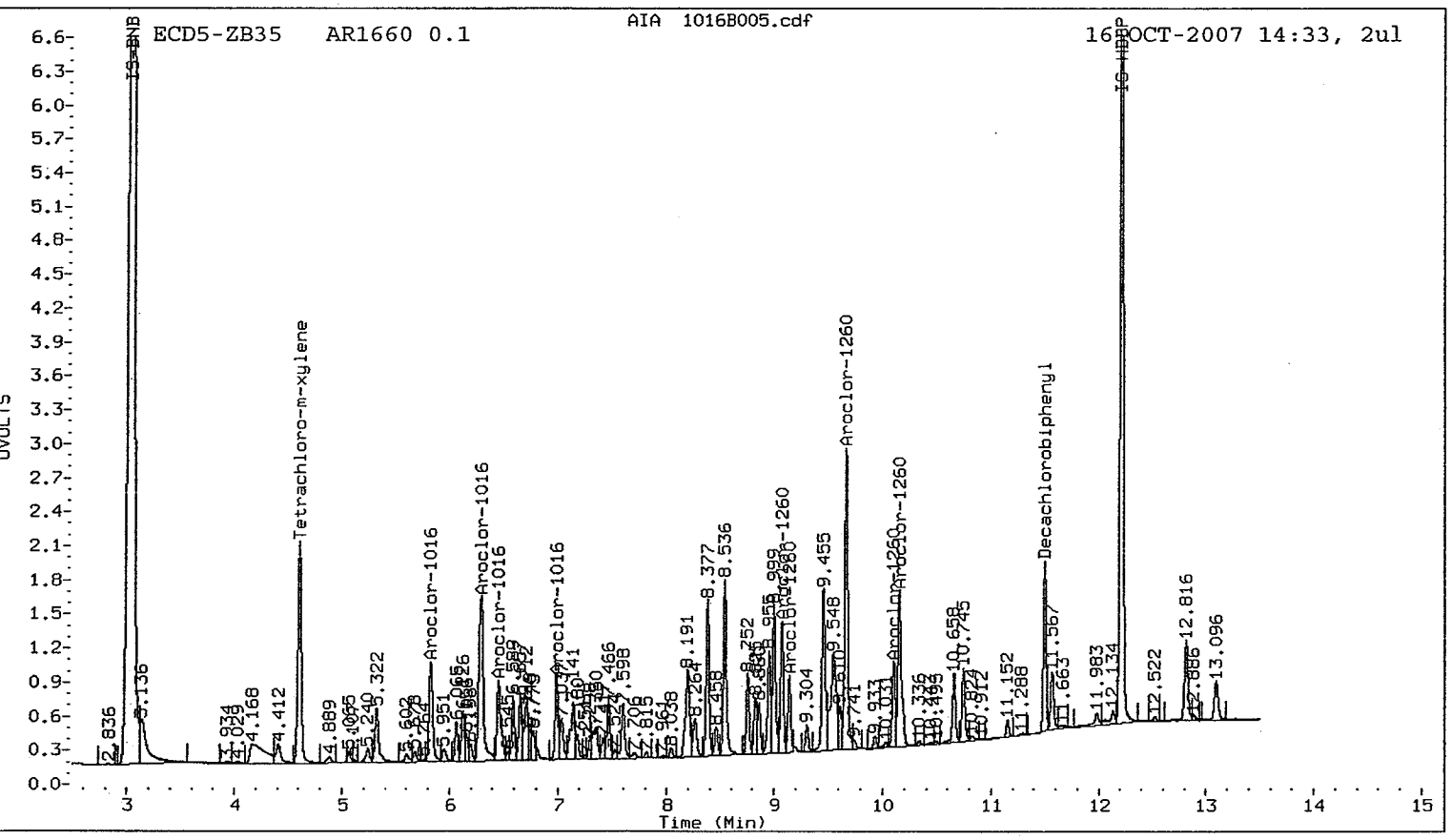
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP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UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/ical-1.b/1016B006.d
Data file 2: 20071016.b/ical-2.b/1016B006.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1660
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR1660 0.5
Client ID:
Injection Date: 16-OCT-2007 14:50
Report Date: 10/17/2007 08:58
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
4.524	0.000	16488908	4.605	0.000	10868287	37.3	38.7	3.5	Tetrachloro-m-xylene
11.136	0.000	12621094	11.498	0.001	6928220	35.6	38.4	7.4	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	93.3	96.6
Decachlorobiphenyl	89.1	95.9

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	33732708	6.9
Hexabromobiphenyl	9983366	11150922	11.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	21386221	5.2
Hexabromobiphenyl	6610345	7518202	13.7

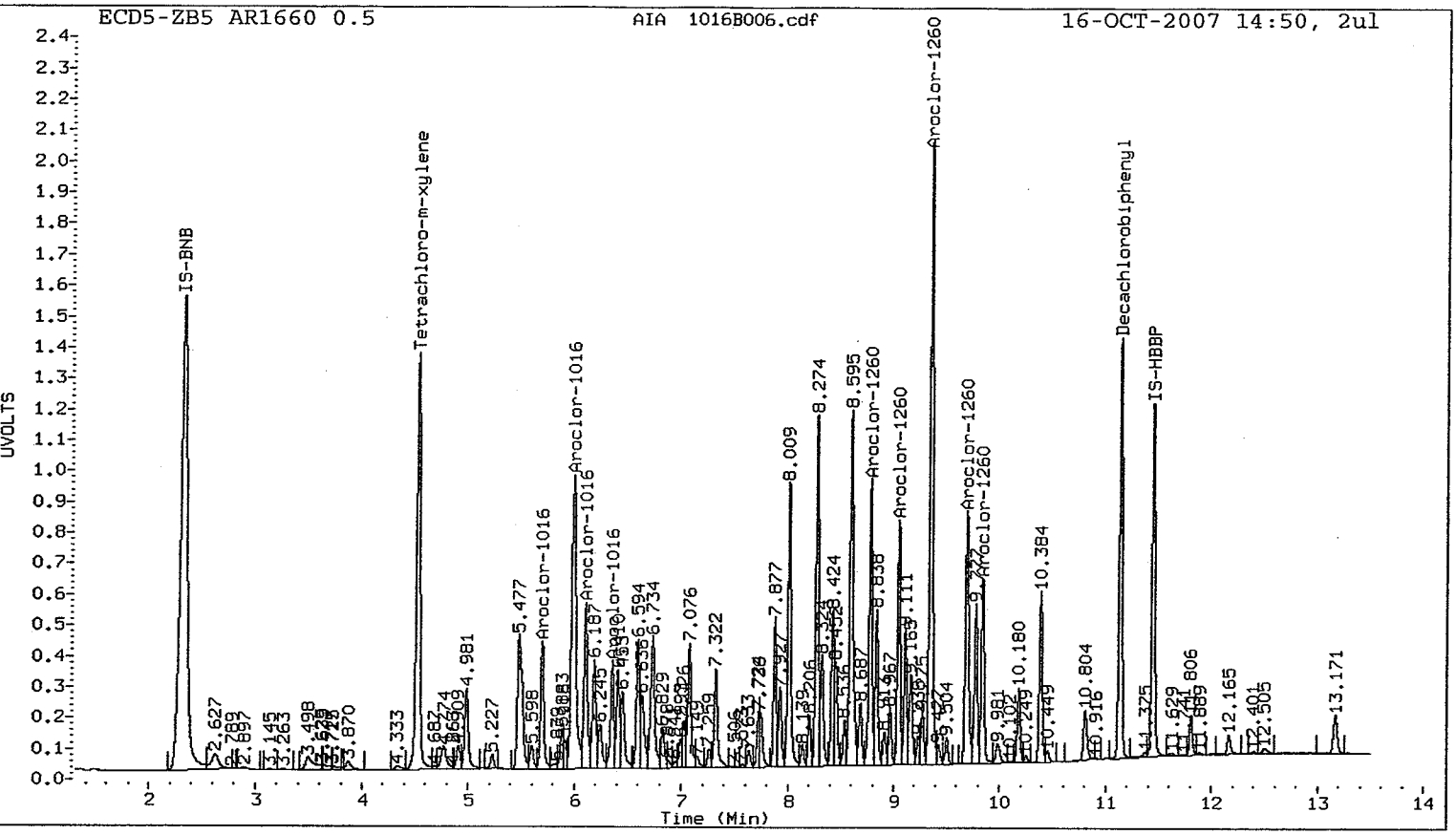
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	5.695	0.000	4547453	427.1	1	5.824	0.000	4555324	430.8
Aroclor-1016	2	5.991	0.000	14396086	447.4	2	6.293	0.000	9949476	445.2
Aroclor-1016	3	6.103	0.000	6003759	425.2	3	6.453	0.000	3908370	438.0
Aroclor-1016	4	6.357	0.000	3739285	431.9	4	6.990	0.000	3129283	446.4
Total Col1Ave (4 peaks):					432.9	Total Col2Ave (4 peaks):				440.1 RPD = 2
Corrected Ave (4 peaks):					432.9	Corrected Ave (4 peaks):				440.1 RPD = 2
Aroclor-1260	1	8.780	0.000	9025039	451.7	1	9.072	0.000	5078318	438.9
Aroclor-1260	2	9.048	0.000	7618106	450.3	2	9.140	0.000	2851501	435.2
Aroclor-1260	3	9.349	0.000	20380431	457.5	3	9.664	0.000	12299838	445.3
Aroclor-1260	4	9.690	0.000	9154803	443.9	4	10.103	0.000	3393428	454.7
Aroclor-1260	5	9.840	0.000	5961507	466.8	5	10.154	0.000	7850331	456.3
Total Col1Ave (5 peaks):					454.0	Total Col2Ave (5 peaks):				446.1 RPD = 2
Corrected Ave (5 peaks):					454.0	Corrected Ave (5 peaks):				446.1 RPD = 2

Total PCB Area Col1 (4.624 - 11.036) = 233318641 Col1 Total PCB = 0.9 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 144514016 Col2 Total PCB = 0.9 ppm*

* Quantitated against AR1660 0.25ppm in Ical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AIA 1016B006.cdf
16-OCT-2007 14:50, 2ul
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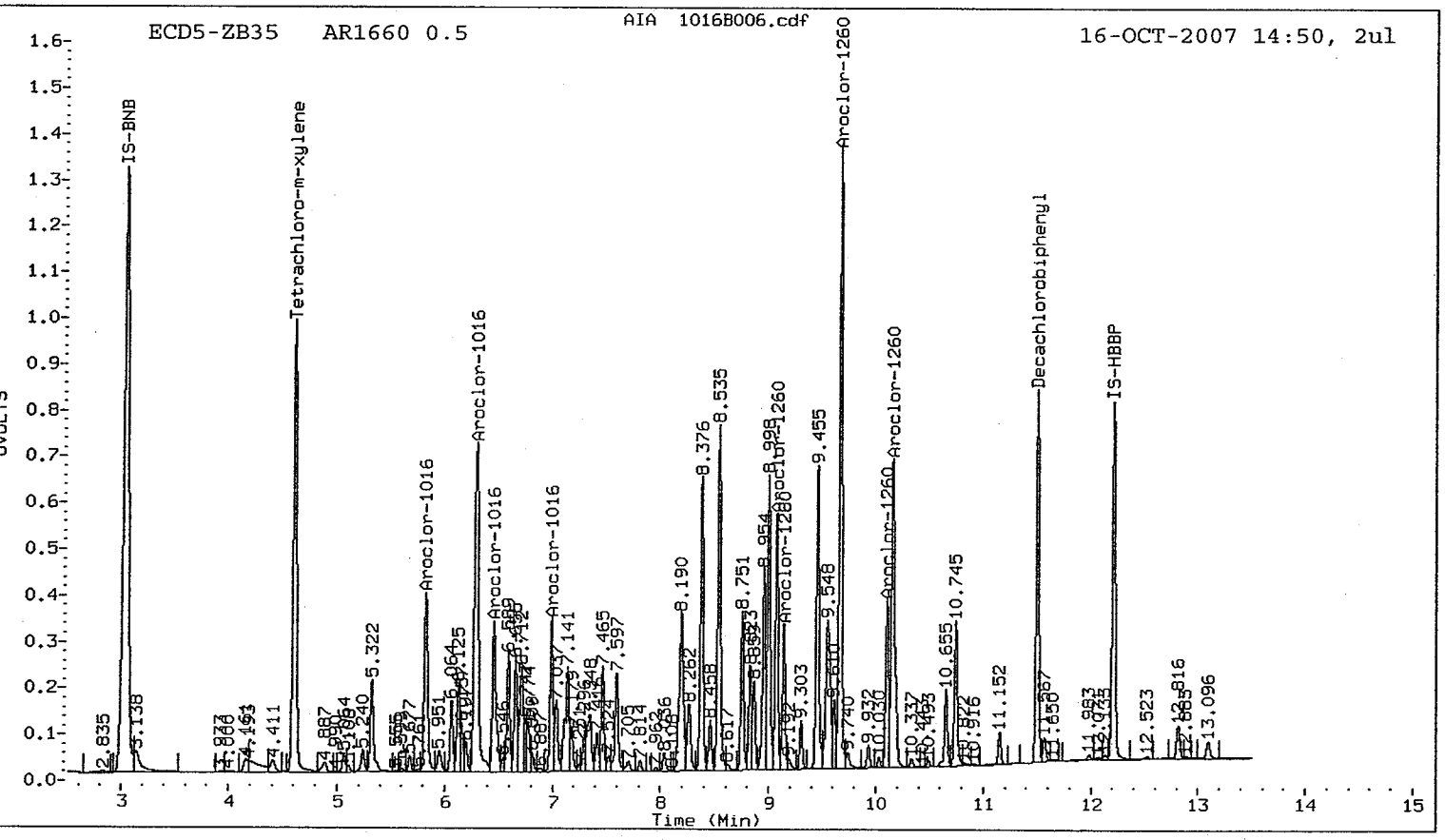
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP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UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/ical-1.b/1016B007.d
Data file 2: 20071016.b/ical-2.b/1016B007.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1660
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: ICV
Client ID:
Injection Date: 16-OCT-2007 15:07
Report Date: 10/17/2007 08:58
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.475	-0.049	224426	4.625	0.020	54128	0.5	0.2	93.1*	Tetrachloro-m-xylene A B
11.112	-0.024	259399	11.498	0.002	35445	0.8	0.2	114.6*	Decachlorobiphenyl A B

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	1.3	0.5
Decachlorobiphenyl	1.9	0.5

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	32611268	3.3
Hexabromobiphenyl	9983366	10722755	7.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	21496463	5.8
Hexabromobiphenyl	6610345	7132843	7.9

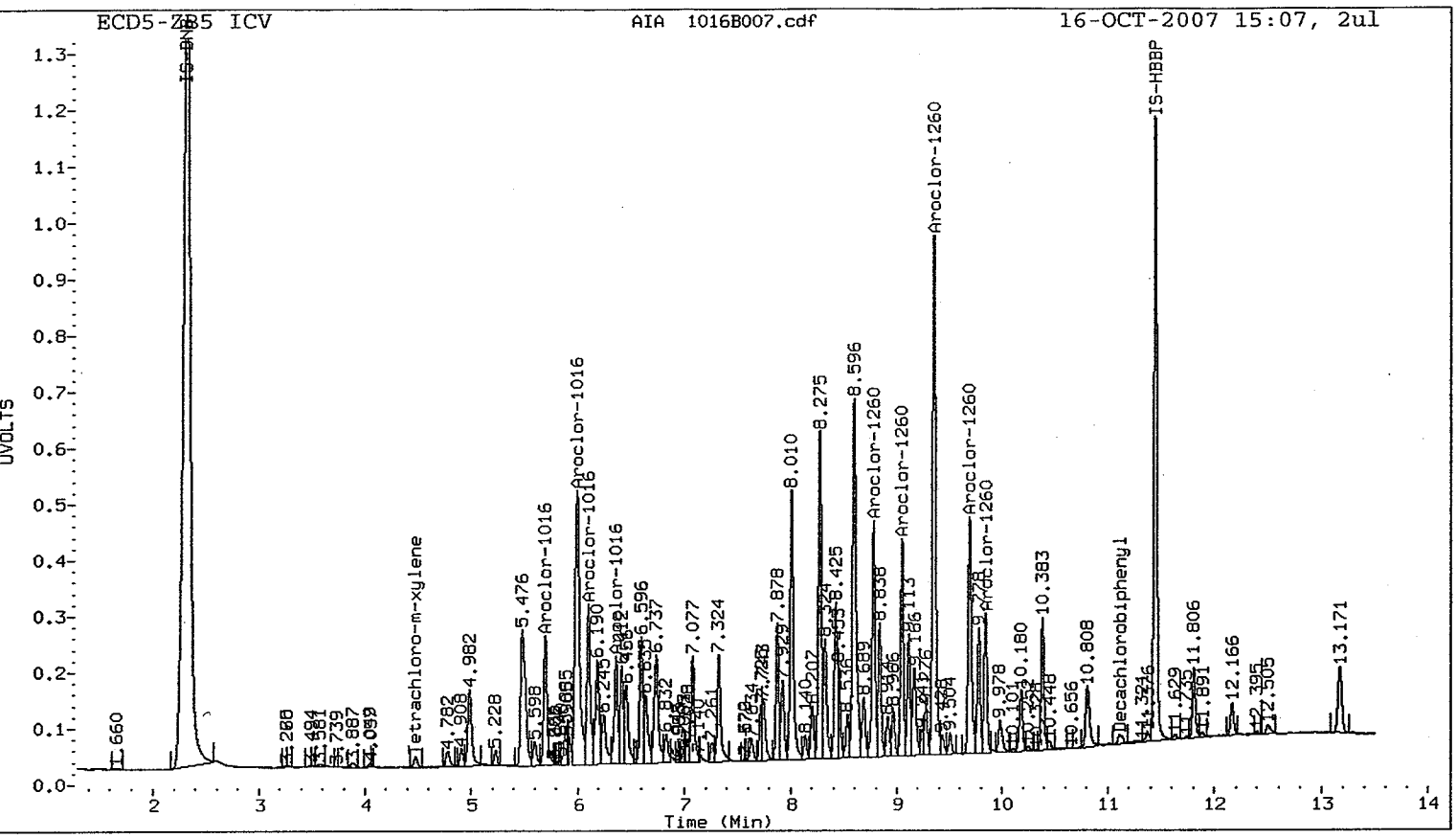
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	5.696	0.001	2569493	249.6	1	5.824	-0.001	2566783	241.5
Aroclor-1016	2	5.994	0.003	7842038	252.1	2	6.293	0.000	5475852	243.7
Aroclor-1016	3	6.104	0.002	3453876	253.0	3	6.454	0.001	2173248	242.3
Aroclor-1016	4	6.357	0.001	2144120	256.2	4	6.991	0.001	1638432	232.5
Total Col1Ave (4 peaks):					252.7	Total Col2Ave (4 peaks):				240.0 RPD = 5
Corrected Ave (4 peaks):					252.7	Corrected Ave (4 peaks):				240.0 RPD = 5
Aroclor-1260	1	8.781	0.001	4180884	217.6	1	9.073	0.001	2353664	214.4
Aroclor-1260	2	9.049	0.001	3662494	225.1	2	9.141	0.001	1431848	230.4
Aroclor-1260	3	9.349	0.001	9691460	226.2	3	9.665	0.001	5785599	220.8
Aroclor-1260	4	9.690	0.000	4755072	239.8	4	10.104	0.001	1490410	210.5
Aroclor-1260	5	9.841	0.001	2495139	203.2	5	10.155	0.001	3741148	229.2
Total Col1Ave (5 peaks):					222.4	Total Col2Ave (5 peaks):				221.0 RPD = 1
Corrected Ave (5 peaks):					222.4	Corrected Ave (5 peaks):				221.0 RPD = 1

Total PCB Area Col1 (4.624 - 11.036) = 120786590 Col1 Total PCB = 0.5 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 75942885 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical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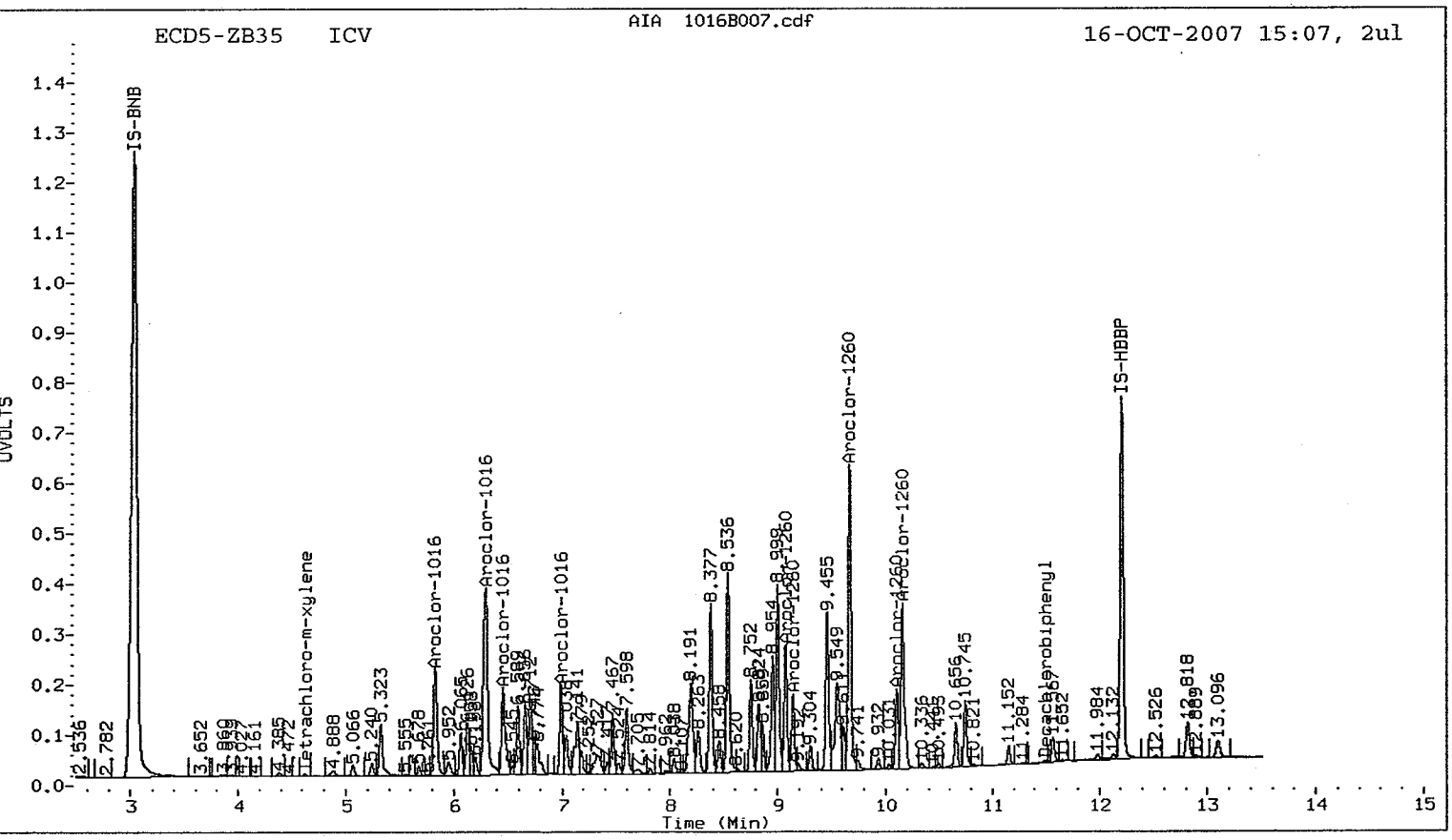
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
IS-HBBP
Decachlorobiphenyl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UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
IS-HBBP
Decachlorobiphenyl

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/ical-1.b/1016B008.d
Data file 2: 20071016.b/ical-2.b/1016B008.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1242
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR1242
Client ID:
Injection Date: 16-OCT-2007 15:24
Report Date: 10/17/2007 08:58
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.524	0.000	8250946	4.606	0.001	5384092	19.1	19.3	1.1	Tetrachloro-m-xylene
11.136	0.000	6507140	11.497	0.001	3376749	18.0	18.7	3.5	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	47.7	48.2
Decachlorobiphenyl	45.1	46.7

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	33033563	4.6
Hexabromobiphenyl	9983366	11364938	13.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	21255964	4.6
Hexabromobiphenyl	6610345	7527133	13.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1242	1	5.696	0.000	2101192	250.0	1	5.323	0.000	1070473	250.0
Aroclor-1242	2	5.992	0.000	6305078	250.0	2	5.824	0.000	2094679	250.0
Aroclor-1242	3	6.104	0.000	2790517	250.0	3	6.293	0.000	4366375	250.0
Aroclor-1242	4	6.735	0.000	2671015	250.0	4	6.453	0.000	1745365	250.0
Aroclor-1242	NS	---			----	5	7.349	0.000	1672071	250.0

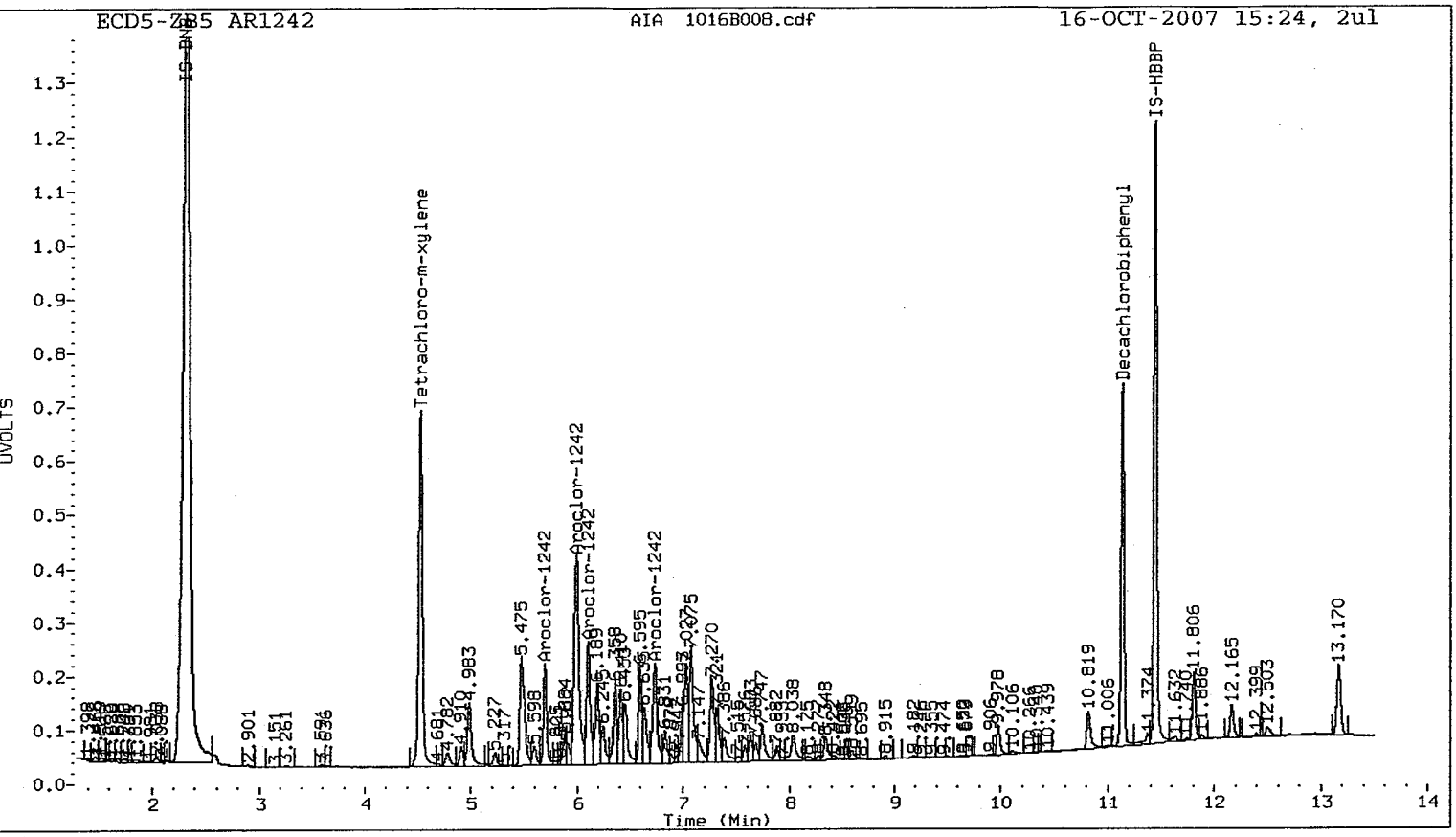
Total Col1Ave (4 peaks): 250.0 Total Col2Ave (5 peaks): 250.0 RPD = 0

Corrected Ave (4 peaks): 250.0 Corrected Ave (5 peaks): 250.0 RPD = 0

Total PCB Area Col1 (4.624 - 11.036) = 50386819 Col1 Total PCB = 0.2 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 32915700 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical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Aroclor-1242
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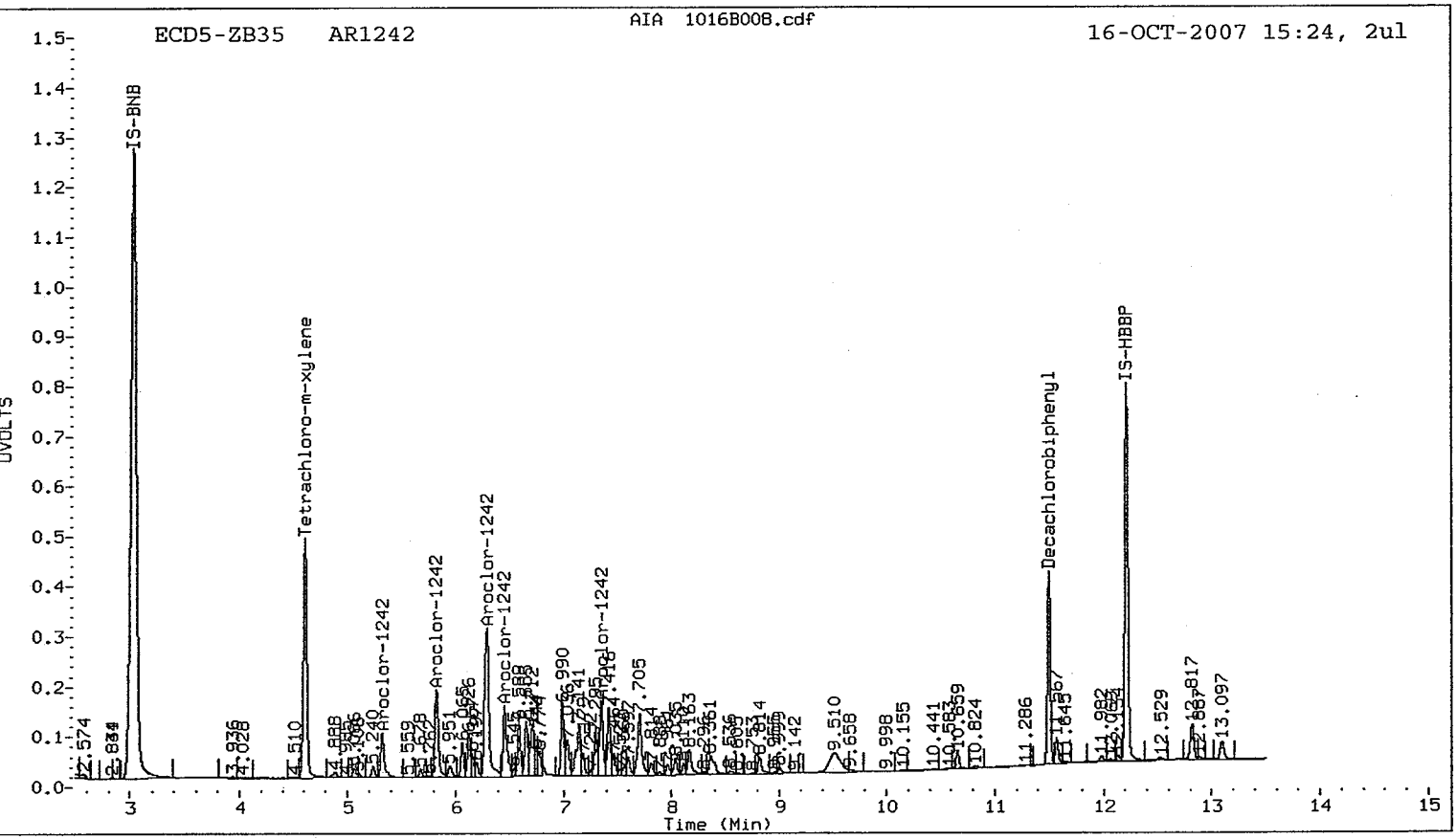
Aroclor-1242
Decachlorobiphenyl
IS-HBBP
UVOLTS
Time (Min)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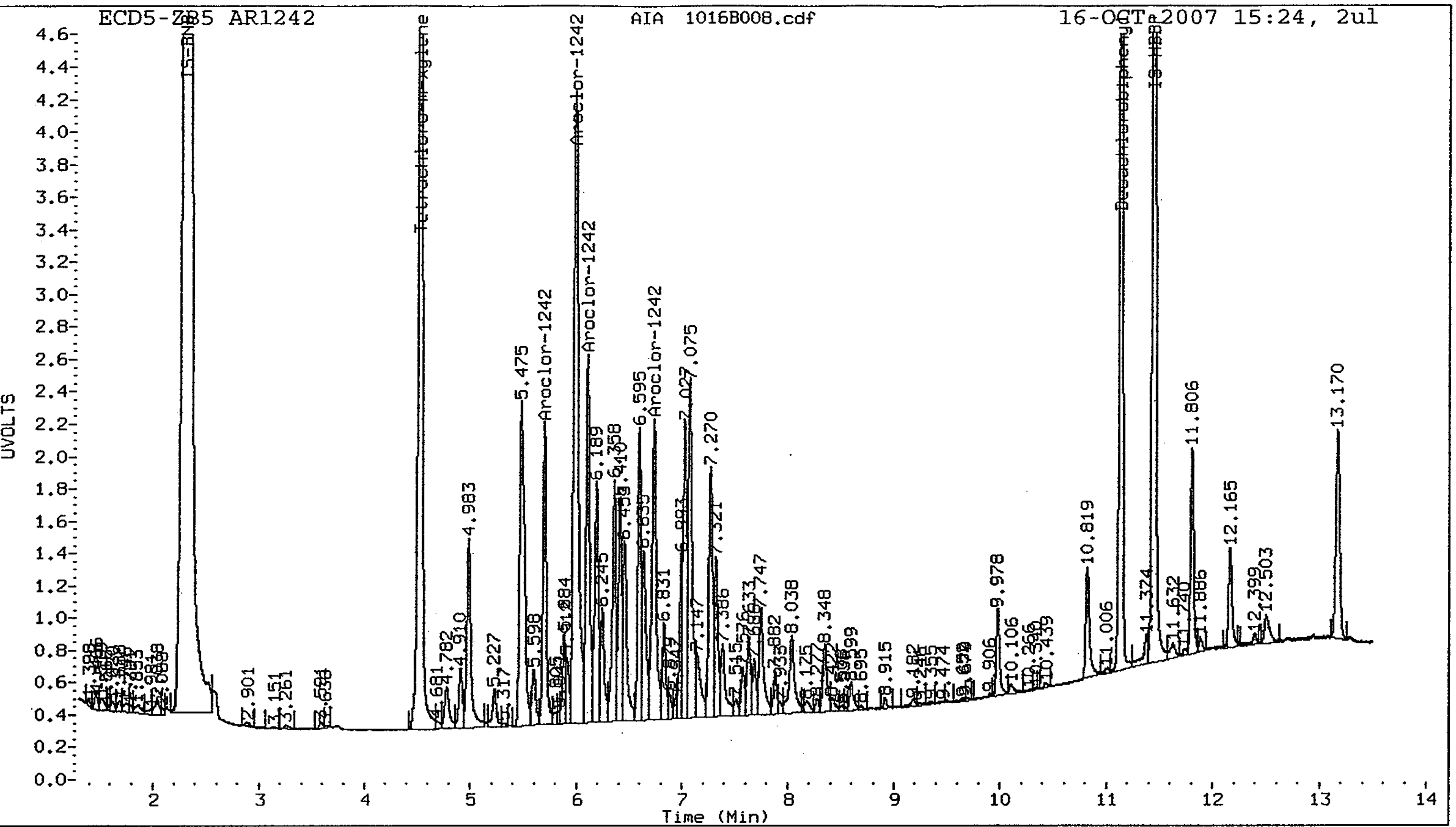
Decachlorobiphenyl
IS-HBBP
UVOLTS
Time (Min)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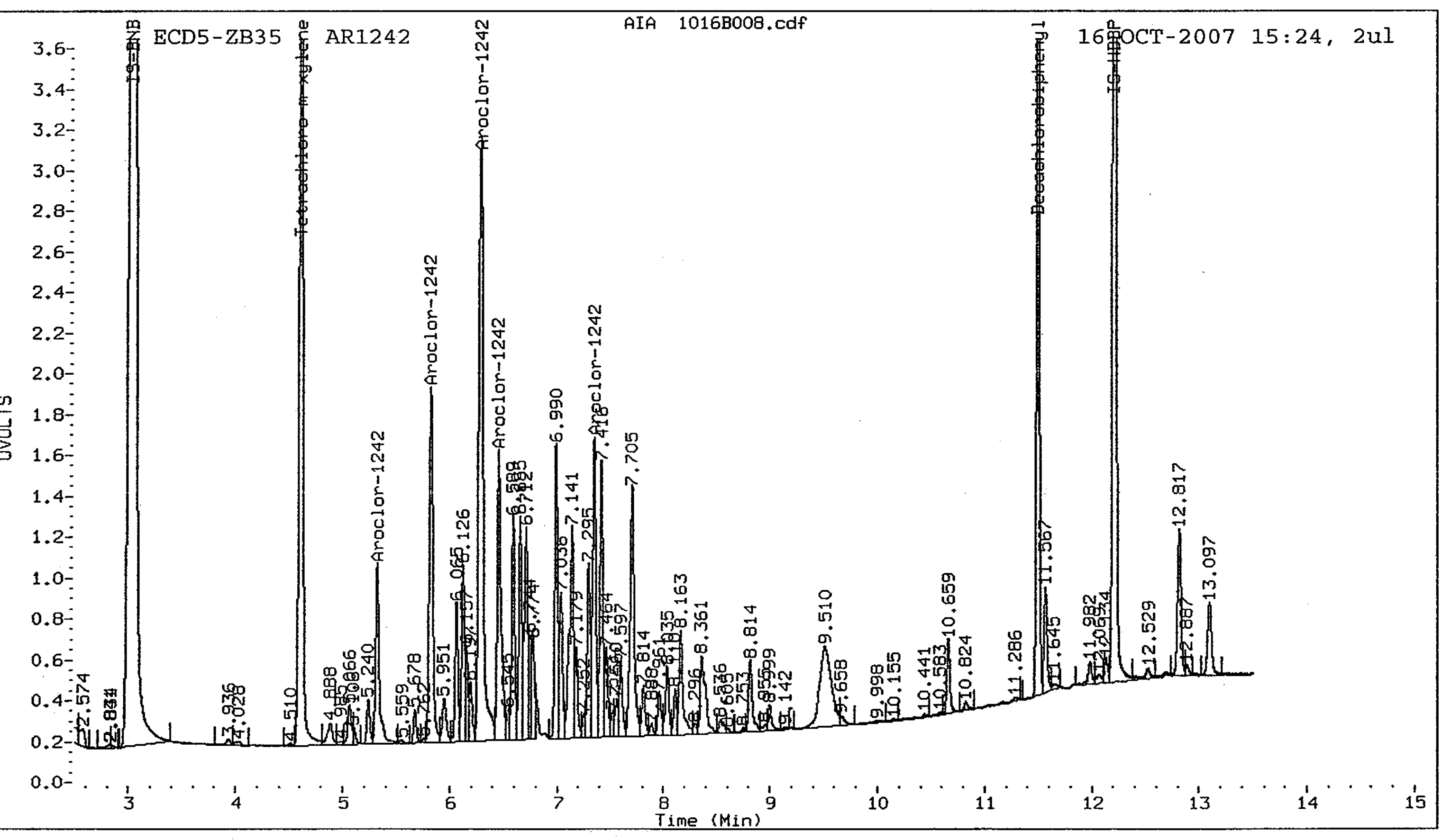
Time (Min)
IS-DNB
Tetrachloro-m-xylene
Aroclor-1242
Decachlorobiphenyl
IS-HBB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UVOLTS
Time (Min)
IS-DNB
Tetrachloro-m-xylene
Aroclor-1242
Decachlorobiphenyl
IS-HBB

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/ical-1.b/1016B009.d
Data file 2: 20071016.b/ical-2.b/1016B009.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1248
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR1248
Client ID:
Injection Date: 16-OCT-2007 15:42
Report Date: 10/17/2007 08:58
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.524	0.000	8372462	4.605	0.000	5450380	19.1	19.4	1.6	Tetrachloro-m-xylene
11.136	0.000	6329098	11.497	0.000	3350716	19.0	20.3	6.5	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	47.7	48.5
Decachlorobiphenyl	47.4	50.6

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	33462797	6.0
Hexabromobiphenyl	9983366	10503875	5.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	21354940	5.1
Hexabromobiphenyl	6610345	6887836	4.2

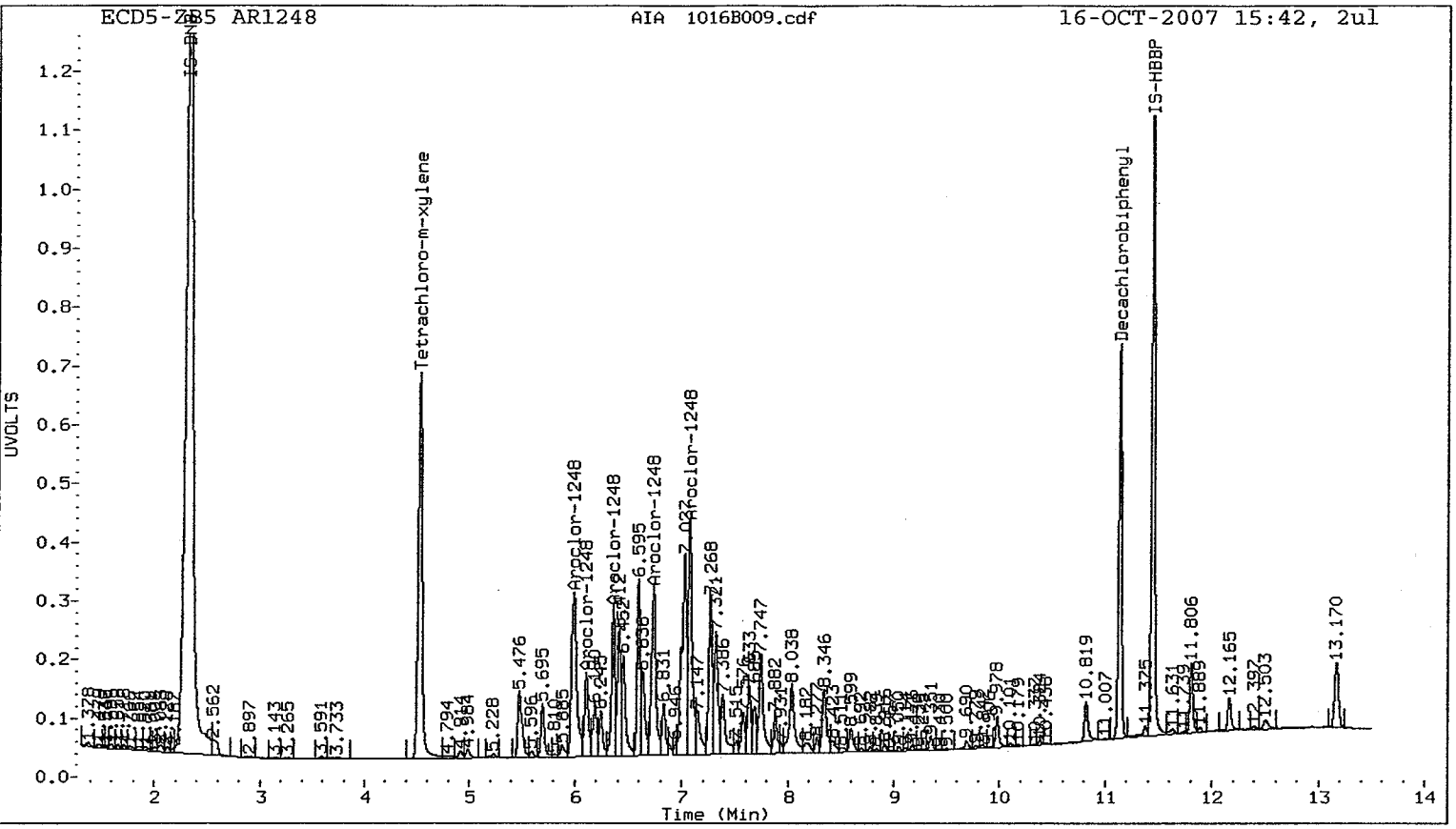
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak# RT	Shift	Area	Amount	Peak# RT	Shift	Area	Amount
Aroclor-1248	1 5.992	0.000	4662834	250.0	1 6.291	0.000	3291007	250.0
Aroclor-1248	2 6.105	0.000	1774479	250.0	2 6.656	0.000	1823855	250.0
Aroclor-1248	3 6.357	0.000	2766891	250.0	3 6.990	0.000	2140686	250.0
Aroclor-1248	4 6.736	0.000	4076014	250.0	4 7.349	0.000	2965303	250.0
Aroclor-1248	5 7.074	0.000	5395115	250.0	NS ---			----
Total Col1Ave (5 peaks):			250.0		Total Col2Ave (4 peaks):		250.0	RPD = 0
Corrected Ave (5 peaks):			250.0		Corrected Ave (4 peaks):		250.0	RPD = 0

Total PCB Area Col1 (4.624 - 11.036) = 63564074 Col1 Total PCB = 0.3 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 41389890 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical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Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1248
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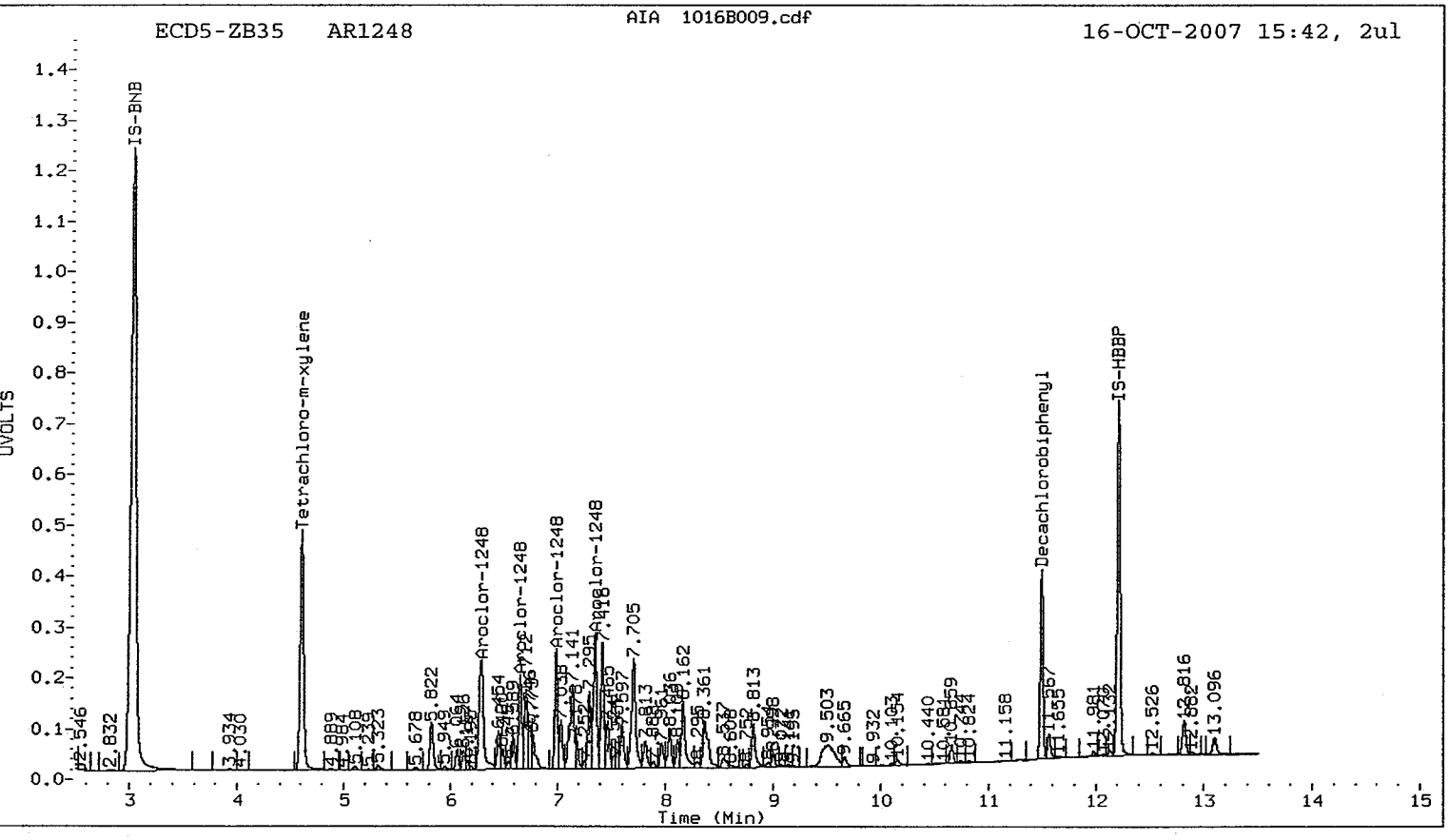
Aroclor-1248
Aroclor-1248
Decachlorobiphenyl
IS-HBBP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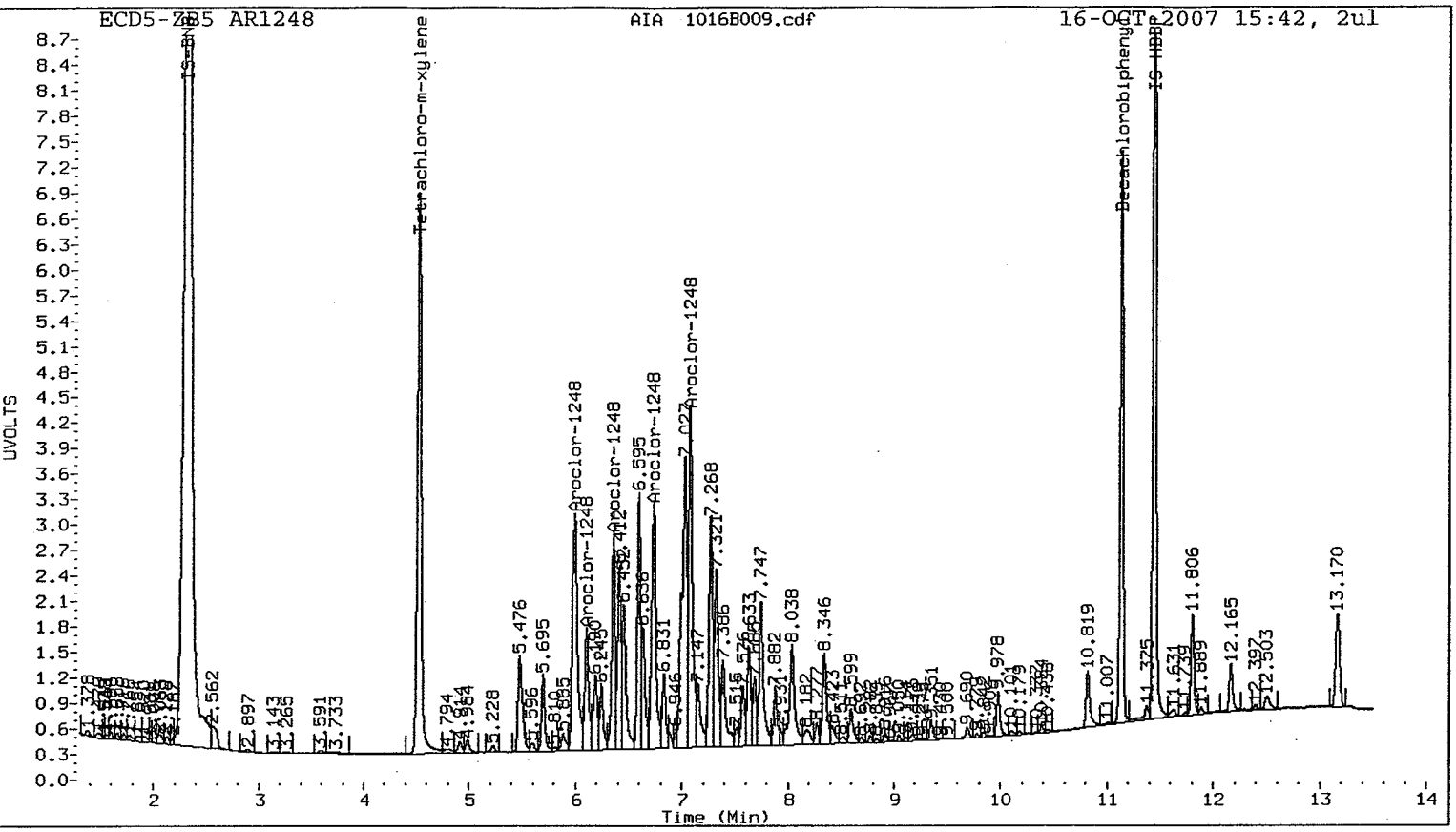
16-OCT-2007 15:42, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1248
Aroclor-1248
Aroclor-1248
Aroclor-1248
Aroclor-1248
Decachlorobiphenyl
IS-HBBP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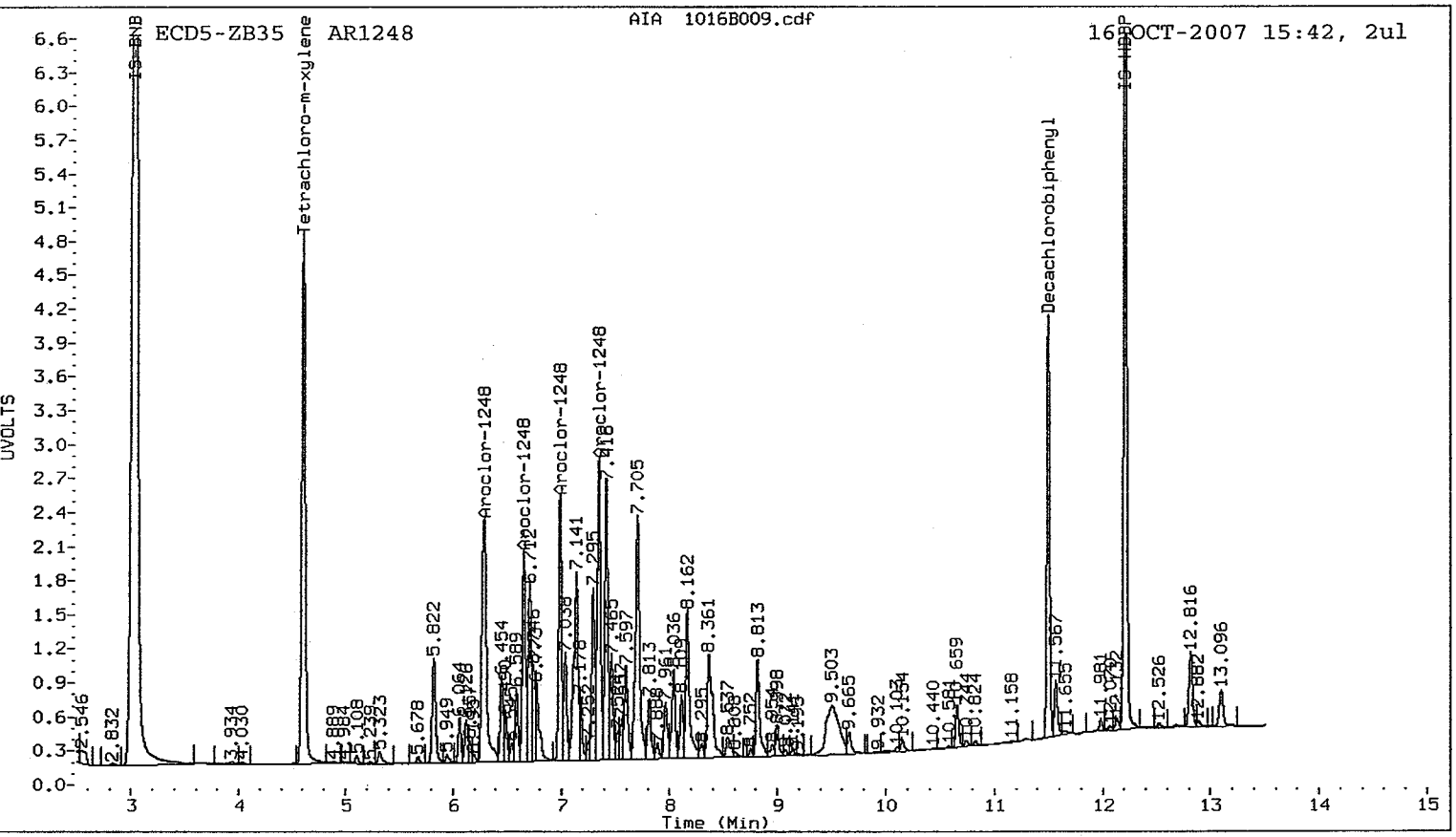
Aroclor-1248
Decachlorobiphenyl
IS-HBBP
UVOLTS
Time (Min)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IS-BNB
Tetrachloro-m-xylene
Aroclor-1248
Decachlorobiphenyl
IS-HBBP
UVOLTS
Time (Min)

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/ical-1.b/1016B010.d
Data file 2: 20071016.b/ical-2.b/1016B010.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1254
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR1254
Client ID:
Injection Date: 16-OCT-2007 15:59
Report Date: 10/17/2007 08:58
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
4.524	0.000	8326150	4.605	0.000	5507578	19.2	19.5	1.3	Tetrachloro-m-xylene
11.136	0.000	6465211	11.497	0.001	3394369	18.6	19.6	5.2	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	48.1	48.7
Decachlorobiphenyl	46.6	49.1

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	33035889	4.6
Hexabromobiphenyl	9983366	10920808	9.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	21491816	5.7
Hexabromobiphenyl	6610345	7199807	8.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

	ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1254	1	7.323	0.000	5882899	250.0	1	7.597	0.000	3061835	250.0
Aroclor-1254	2	7.632	0.000	3622043	250.0	2	8.036	0.000	2332840	250.0
Aroclor-1254	3	7.745	0.000	7196160	250.0	3	8.162	0.000	5024625	250.0
Aroclor-1254	4	8.032	0.000	7746396	250.0	4	8.364	0.000	5071731	250.0
Aroclor-1254	5	8.336	0.000	4551184	250.0	5	8.817	0.000	2853990	250.0

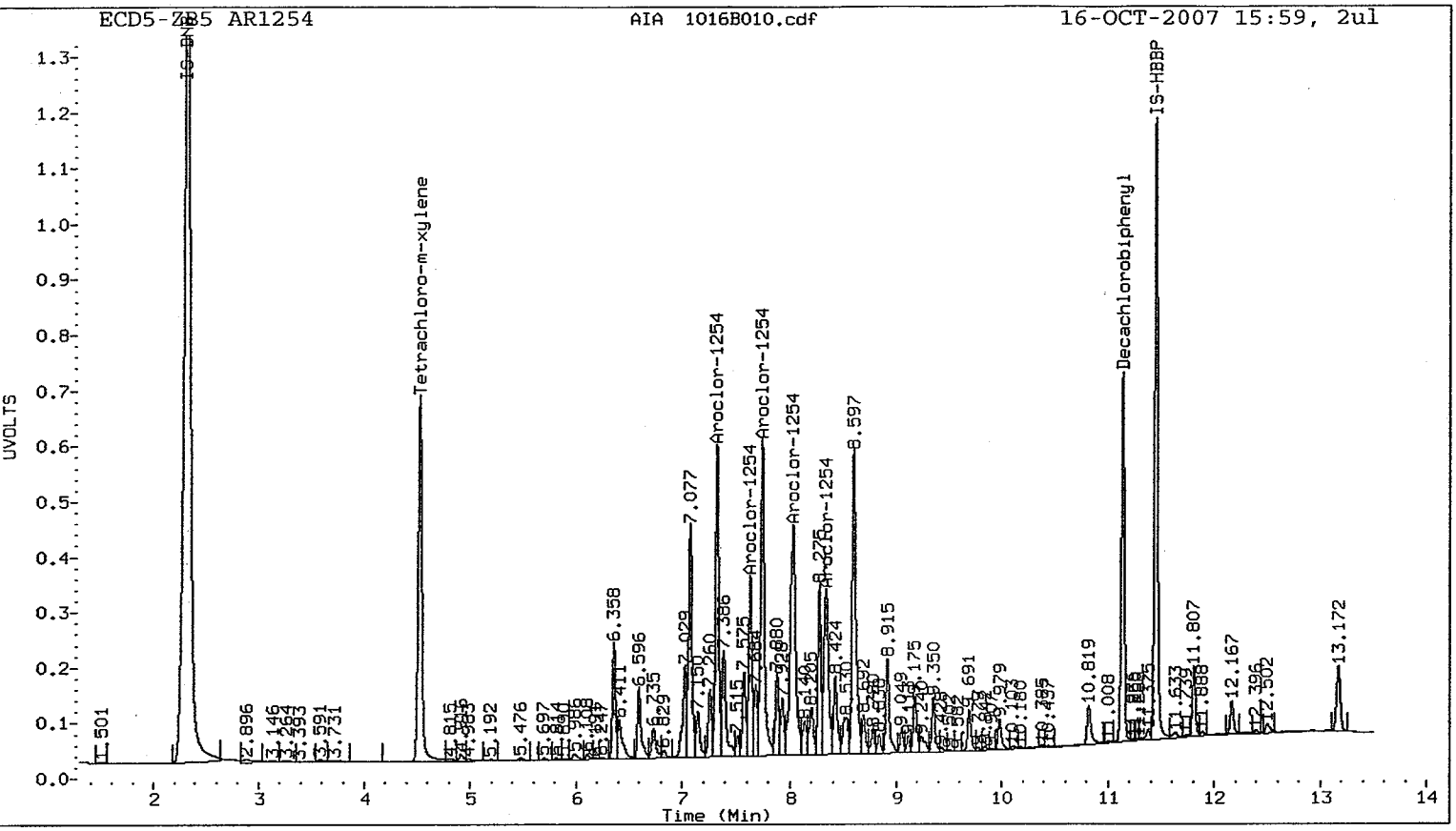
Total Col1Ave (5 peaks): 250.0 Total Col2Ave (5 peaks): 250.0 RPD = 0

Corrected Ave (5 peaks): 250.0 Corrected Ave (5 peaks): 250.0 RPD = 0

Total PCB Area Col1 (4.624 - 11.036) = 78048346 Col1 Total PCB = 0.3 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 49750239 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical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Tetrachloro-m-xylene
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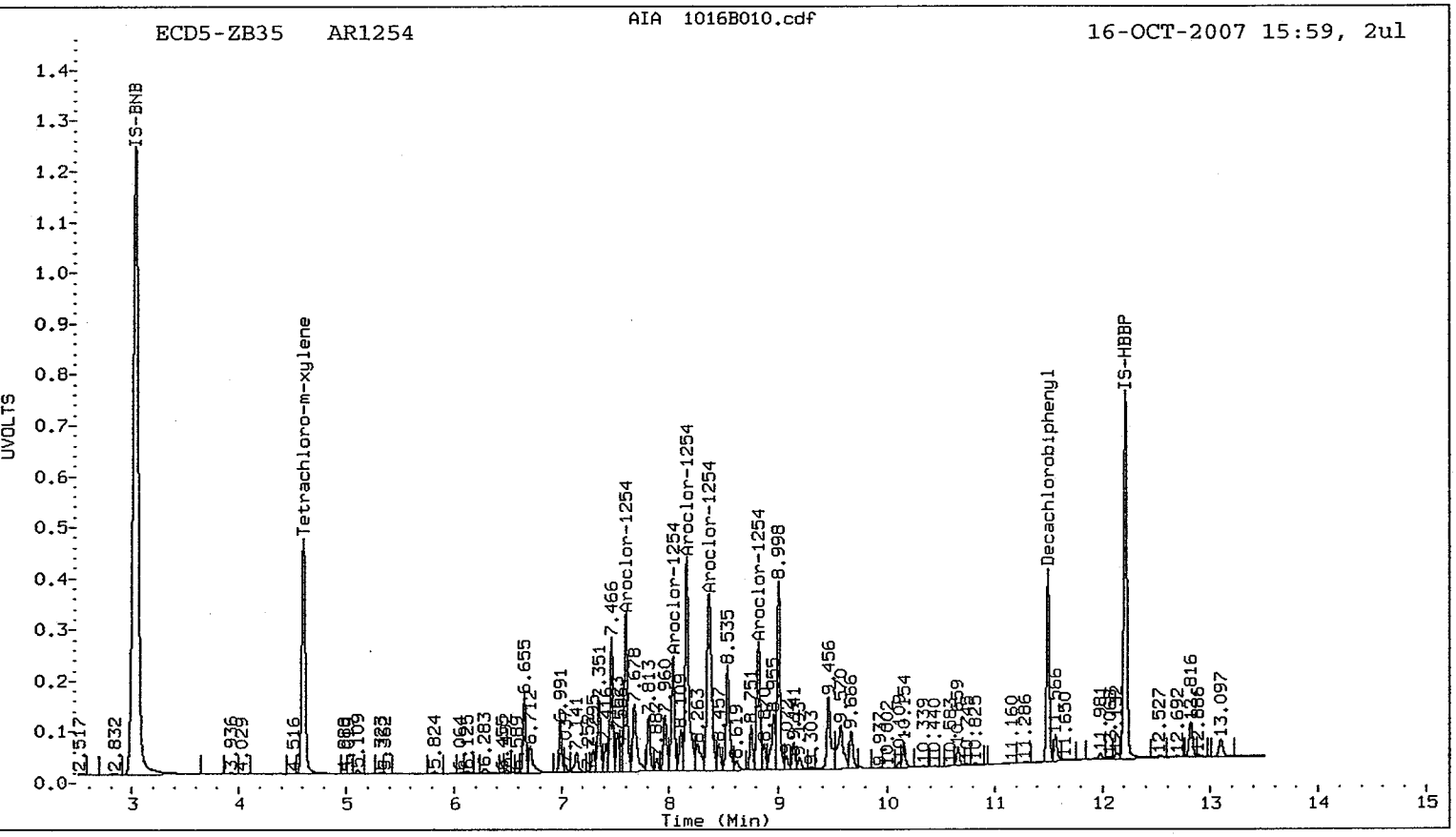
IS-HBBP
UVOLTS
Time (Min)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Tetrachloro-m-xylene
Aroclor-1254
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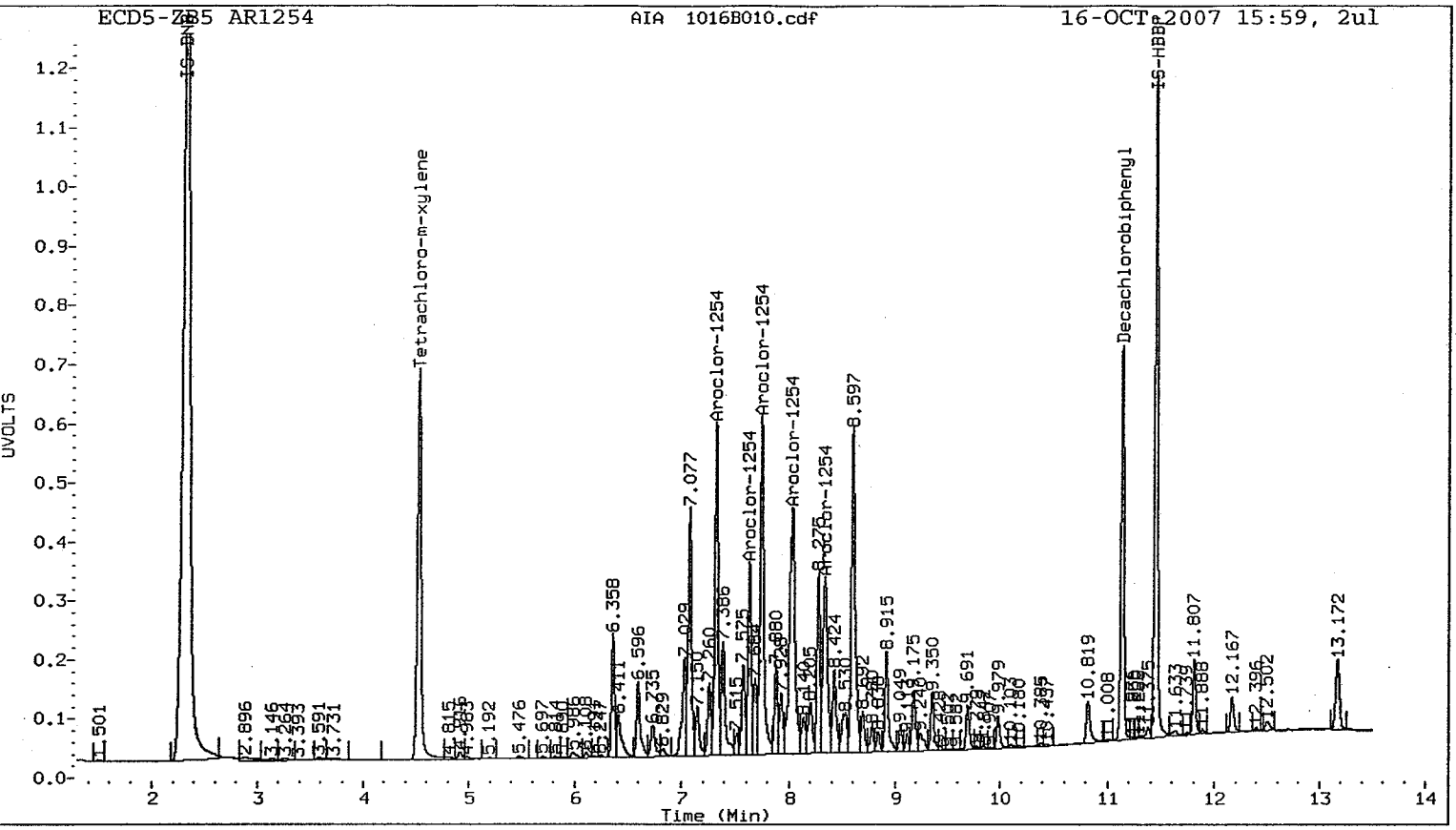
Aroclor-1254
Decachlorobiphenyl
IS-HBBP
UVOLTS
Time (Min)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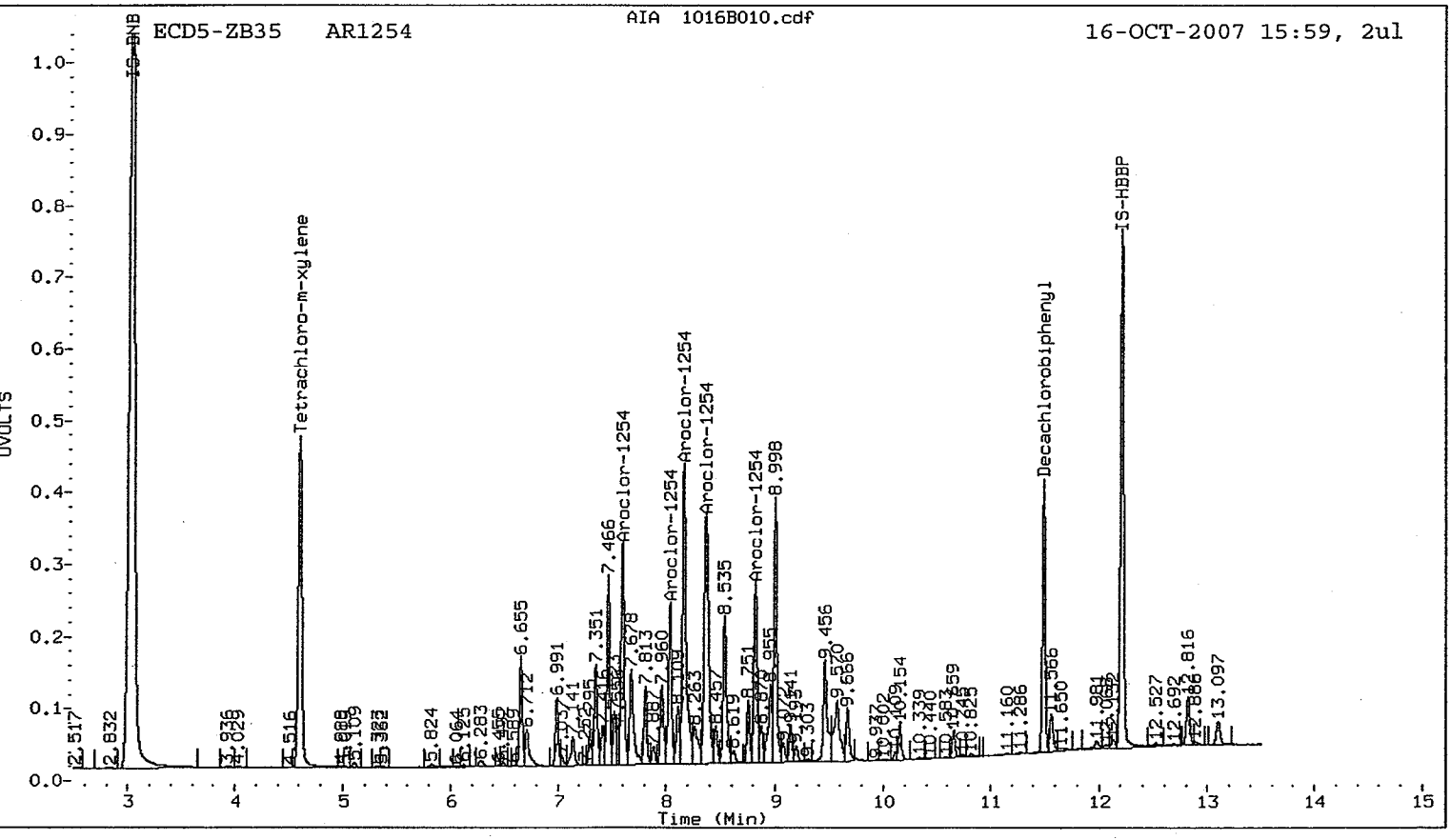
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1254
Decachlorobiphenyl
IS-HBBP


ECD5-ZB35 AR1254
AIA 1016B010.cdf
16-OCT-2007 15:59, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1254
Decachlorobiphenyl
IS-HBBP

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/ical-1.b/1016B011.d
Data file 2: 20071016.b/ical-2.b/1016B011.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR2162
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR2162
Client ID:
Injection Date: 16-OCT-2007 16:16
Report Date: 10/17/2007 08:58
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.525	0.000	8614113	4.606	0.001	5481045	20.2	20.3	0.5	Tetrachloro-m-xylene
11.136	0.000	6421816	11.498	0.002	3322229	19.4	20.5	5.2	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	50.5	50.8
Decachlorobiphenyl	48.6	51.2

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	32536980	3.1
Hexabromobiphenyl	9983366	10398524	4.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	20535027	1.0
Hexabromobiphenyl	6610345	6749695	2.1

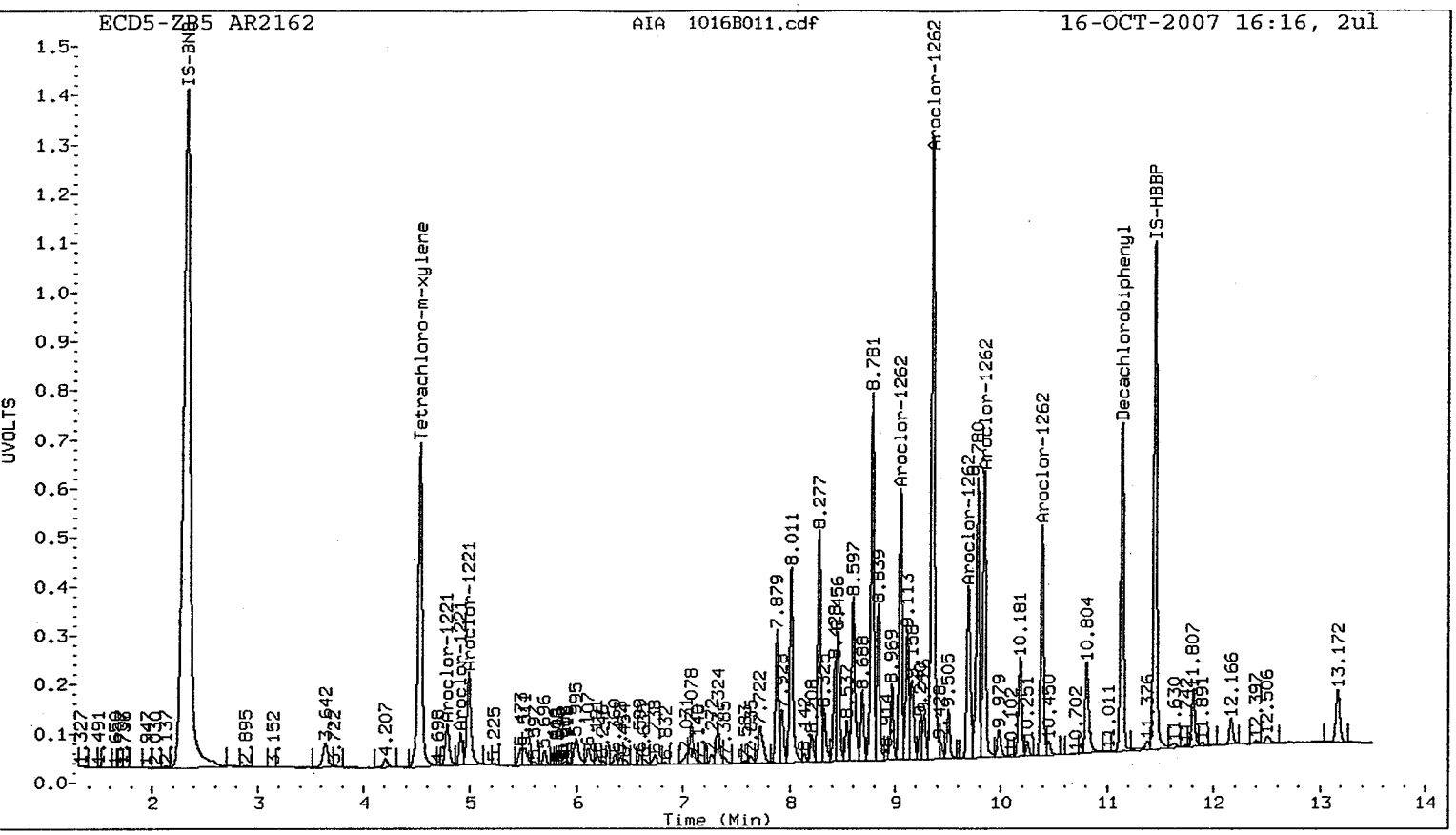
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1221	1	4.783	0.000	1121244	250.0	1	5.066	0.000	835140	250.0
Aroclor-1221	2	4.909	0.000	747047	250.0	2	5.240	0.000	481416	250.0
Aroclor-1221	3	4.986	0.000	2522704	250.0	3	5.323	0.000	1467762	250.0
Aroclor-1221	NS	---			----	4	5.836	0.000	593447	250.0
	Total Col1Ave (3 peaks):			250.0		Total Col2Ave (4 peaks):			250.0	RPD = 0
	Corrected Ave (3 peaks):			250.0		Corrected Ave (4 peaks):			250.0	RPD = 0
Aroclor-1262	1	9.050	0.000	5304025	250.0	1	9.074	0.000	4238097	250.0
Aroclor-1262	2	9.350	0.000	13363249	250.0	2	9.666	0.000	7846180	250.0
Aroclor-1262	3	9.691	0.000	4083575	250.0	3	10.102	0.000	3307282	250.0
Aroclor-1262	4	9.842	0.000	5861283	250.0	4	10.157	0.000	5098754	250.0
Aroclor-1262	5	10.386	0.000	4444773	250.0	5	10.746	0.000	2502660	250.0
	Total Col1Ave (5 peaks):			250.0		Total Col2Ave (5 peaks):			250.0	RPD = 0
	Corrected Ave (5 peaks):			250.0		Corrected Ave (5 peaks):			250.0	RPD = 0

Total PCB Area Col1 (4.625 - 11.036) = 103171947 Col1 Total PCB = 0.4 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 62804211 Col2 Total PCB = 0.4 ppm*

* Quantitated against AR1660 0.25ppm in Ical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Time (Min)
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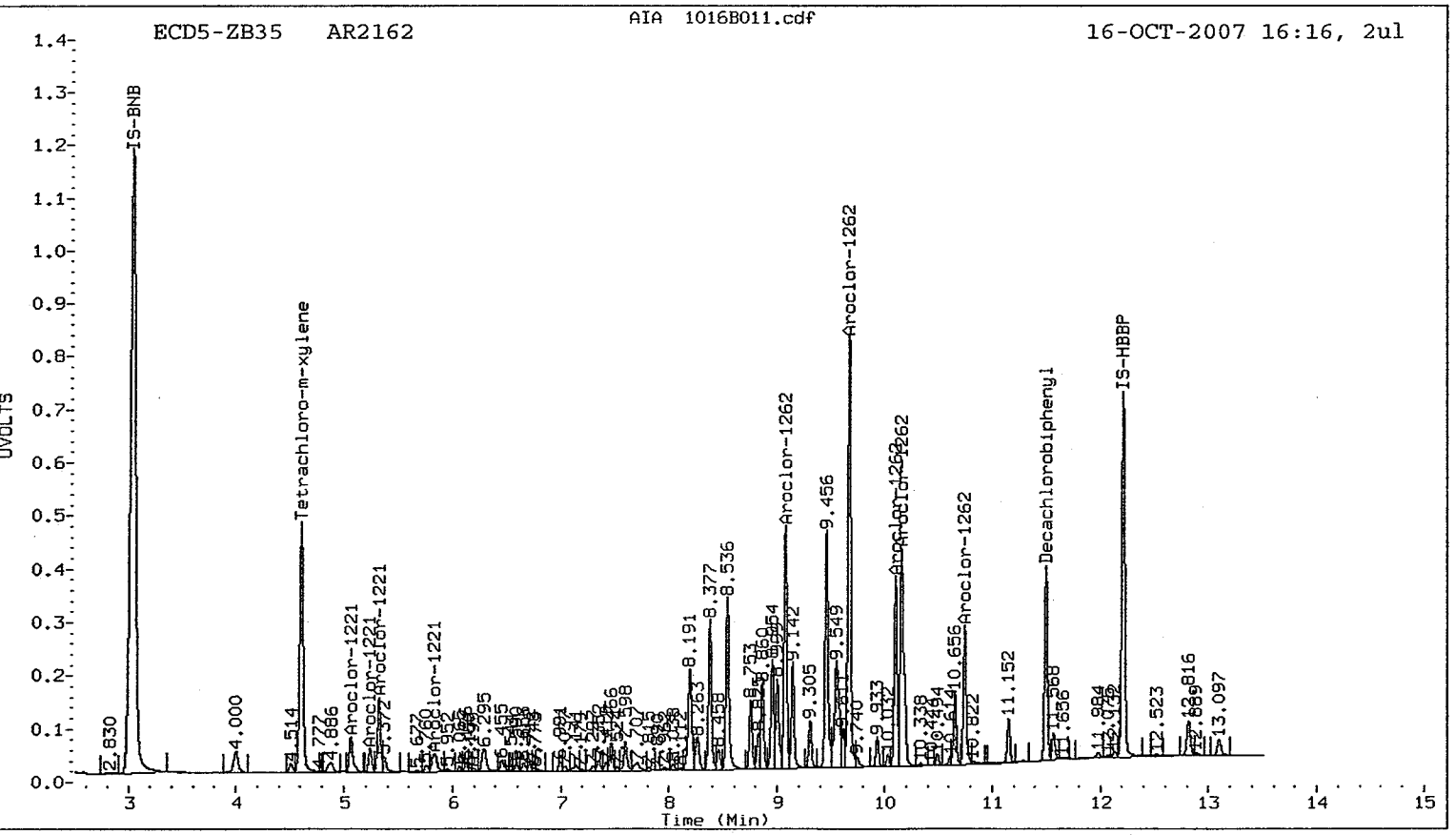
Tetrachloro-m-xylene
Aroclor-1221
Aroclor-1262
Decachlorobiphenyl
IS-HBBP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AIA 1016B011.cdf
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UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1221
Aroclor-1262
Decachlorobiphenyl
IS-HBBP

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/ical-1.b/1016B012.d
Data file 2: 20071016.b/ical-2.b/1016B012.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR3268
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR3268
Client ID:
Injection Date: 16-OCT-2007 16:33
Report Date: 10/17/2007 08:58
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.523	0.000	8586862	4.605	0.000	5539483	19.3	19.4	0.3	Tetrachloro-m-xylene
11.135	0.000	12377286	11.496	0.000	6817481	35.4	38.6	8.6	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	48.3	48.5
Decachlorobiphenyl	88.5	96.5

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	33893543	7.4
Hexabromobiphenyl	9983366	11004559	10.2

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	21719653	6.9
Hexabromobiphenyl	6610345	7350682	11.2

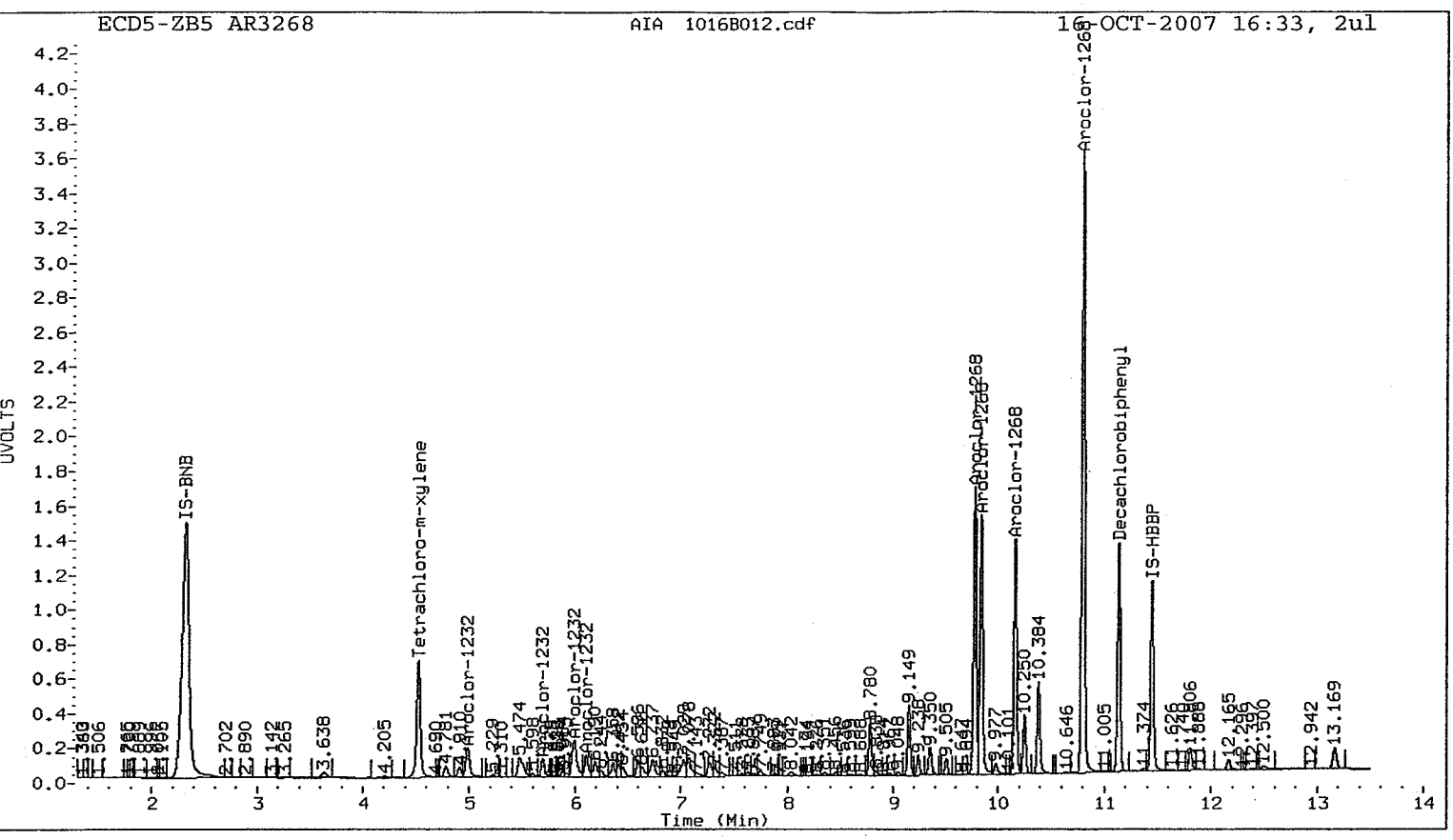
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1232	1	4.984	0.000	2206000	250.0	1	5.323	0.000	1317704	250.0
Aroclor-1232	2	5.696	0.000	1201990	250.0	2	5.825	0.000	1322786	250.0
Aroclor-1232	3	5.991	0.000	3580785	250.0	3	6.294	0.000	2501869	250.0
Aroclor-1232	4	6.104	0.000	1626029	250.0	4	6.590	0.000	626475	250.0
Total Col1Ave (4 peaks):					250.0	Total Col2Ave (4 peaks):			250.0	RPD = 0
Corrected Ave (4 peaks):					250.0	Corrected Ave (4 peaks):			250.0	RPD = 0
Aroclor-1268	1	9.778	0.000	15624135	250.0	1	10.101	0.000	8527549	250.0
Aroclor-1268	2	9.838	0.000	14851451	250.0	2	10.159	0.000	8098354	250.0
Aroclor-1268	3	10.161	0.000	12564288	250.0	3	10.493	0.000	6377592	250.0
Aroclor-1268	4	10.800	0.000	33629231	250.0	4	11.151	0.000	18617934	250.0
Total Col1Ave (4 peaks):					250.0	Total Col2Ave (4 peaks):			250.0	RPD = 0
Corrected Ave (4 peaks):					250.0	Corrected Ave (4 peaks):			250.0	RPD = 0

Total PCB Area Col1 (4.623 - 11.035) = 126234031 Col1 Total PCB = 0.5 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 73814236 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical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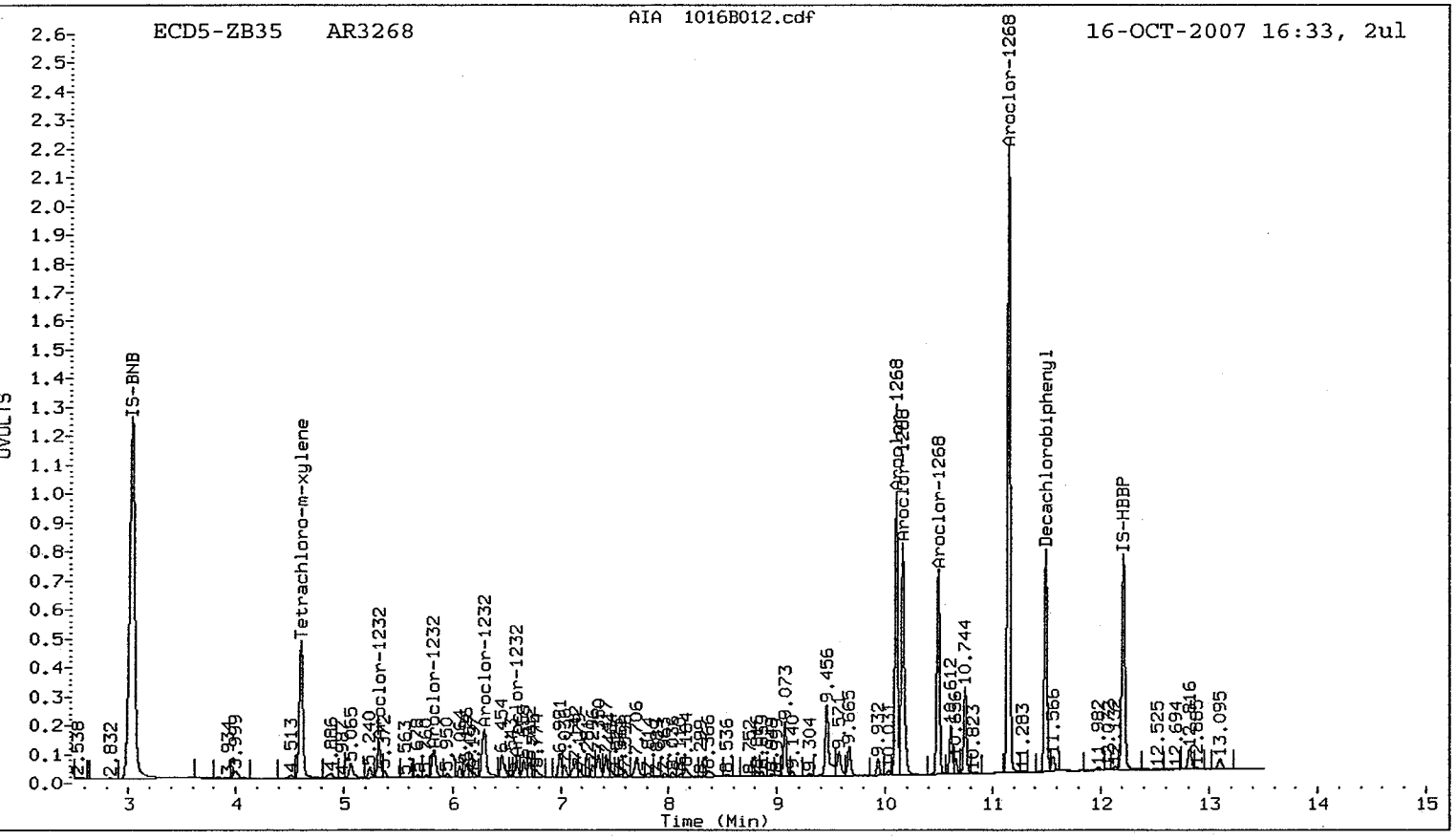
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1232
Aroclor-1268
Decachlorobiphenyl
IS-HBBP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UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1232
Aroclor-1268
Decachlorobiphenyl
IS-HBBP

7F

PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB5 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/17/07

Lab Standard ID: AR12422 Time Analyzed :0838

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1242-1	5.71	5.60	5.80	238.6	250.0	-4.5
Aroclor-1242-2	6.01	5.89	6.09	254.4	250.0	1.8
Aroclor-1242-3	6.12	6.00	6.20	230.2	250.0	-7.9
Aroclor-1242-4	6.75	6.64	6.84	226.0	250.0	-9.6

AVERAGE %D = 5.9

FORM VII PCB

7F

PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB35 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/17/07

Lab Standard ID: AR12422 Time Analyzed :0838

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1242-1	5.33	5.22	5.42	237.2	250.0	-5.1
Aroclor-1242-2	5.83	5.72	5.92	242.9	250.0	-2.8
Aroclor-1242-3	6.30	6.19	6.39	242.6	250.0	-3.0
Aroclor-1242-4	6.46	6.35	6.55	239.5	250.0	-4.2
Aroclor-1242-5	7.36	7.25	7.45	242.7	250.0	-2.9

AVERAGE %D = 3.6

FORM VII PCB

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B001.d
Data file 2: 20071016.b/1017-2.b/1017B001.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1242
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR12422
Client ID:
Injection Date: 17-OCT-2007 08:38
Report Date: 10/19/2007 10:28
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
4.546	0.023	8619399	4.612	0.007	5433847	19.1	19.0	0.7	Tetrachloro-m-xylene
11.151	0.016	6395515	11.506	0.010	3378906	19.5	19.5	0.2	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	47.7	47.4
Decachlorobiphenyl	48.8	48.9

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	34484538	9.2
Hexabromobiphenyl	9983366	10321880	3.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	21806832	7.3
Hexabromobiphenyl	6610345	7197679	8.9

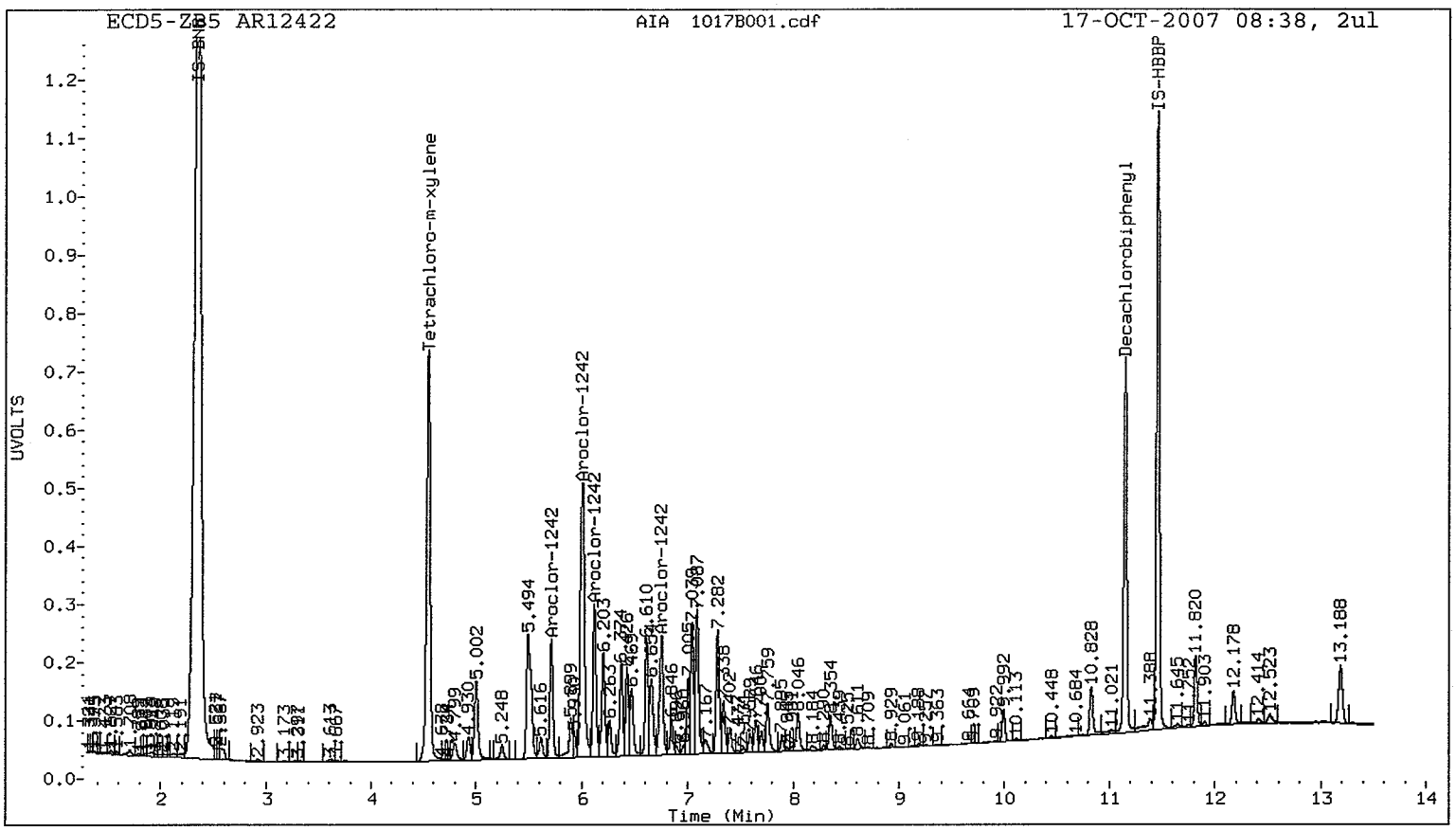
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1242	1	5.714	0.018	2093827	238.6	1	5.329	0.007	1042030	237.2
Aroclor-1242	2	6.007	0.015	6698423	254.4	2	5.832	0.007	2088182	242.9
Aroclor-1242	3	6.119	0.015	2682058	230.2	3	6.300	0.008	4346243	242.6
Aroclor-1242	4	6.751	0.016	2520823	226.0	4	6.462	0.008	1715455	239.5
Aroclor-1242	NS	---			----	5	7.358	0.009	1665015	242.7
Total Col1Ave (4 peaks):					237.3	Total Col2Ave (5 peaks):			241.0	RPD = 2
Corrected Ave (4 peaks):					237.3	Corrected Ave (5 peaks):			241.0	RPD = 2

Total PCB Area Col1 (4.623 - 11.035) = 49654017 Col1 Total PCB = 0.2 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 32113681 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical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AIA 1017B001.cdf
17-OCT-2007 08:38, 2ul
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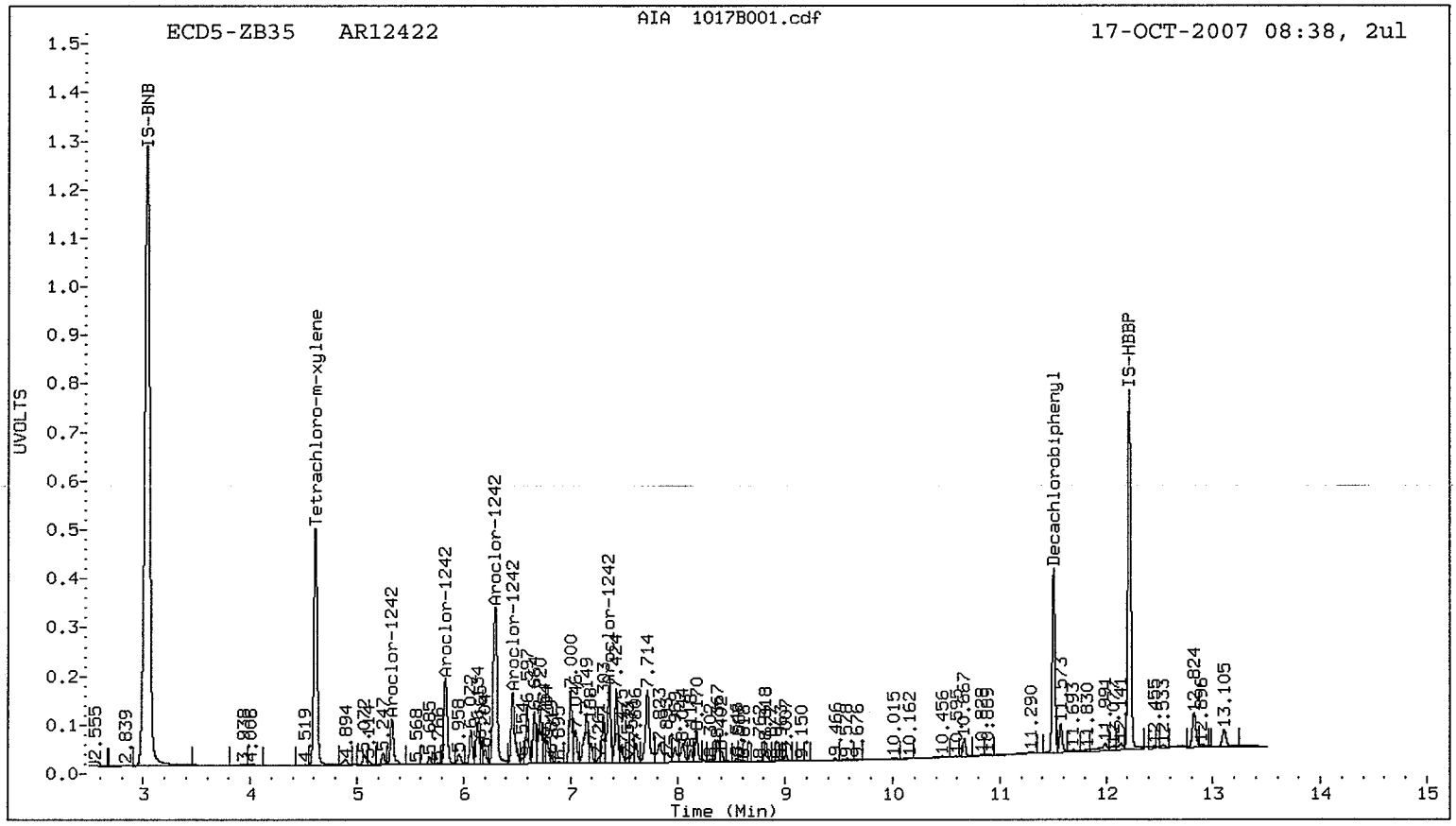
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1242
Decachlorobiphenyl
IS-HBBP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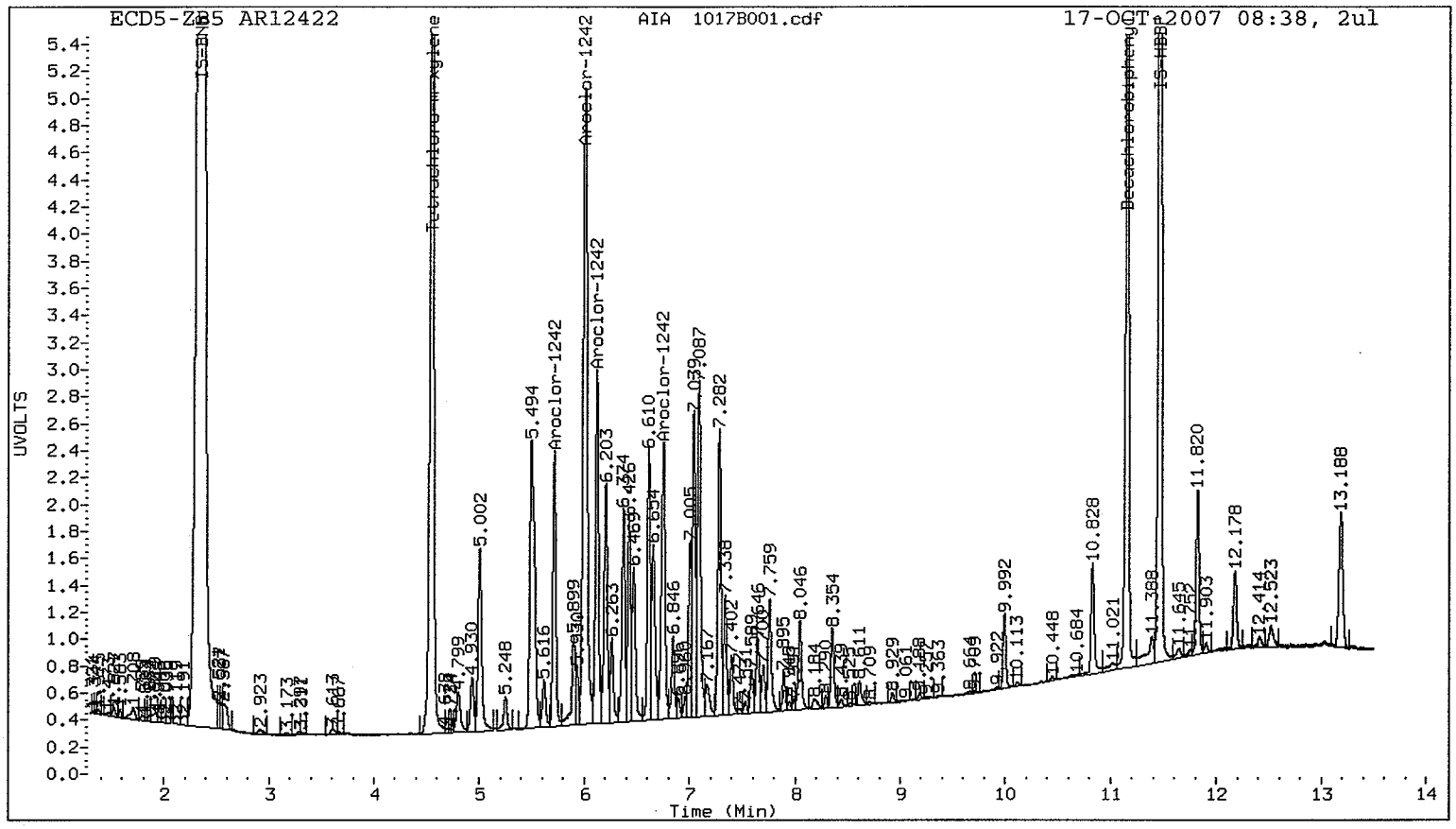
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1242
Decachlorobiphenyl
IS-HBBP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Time (Min)
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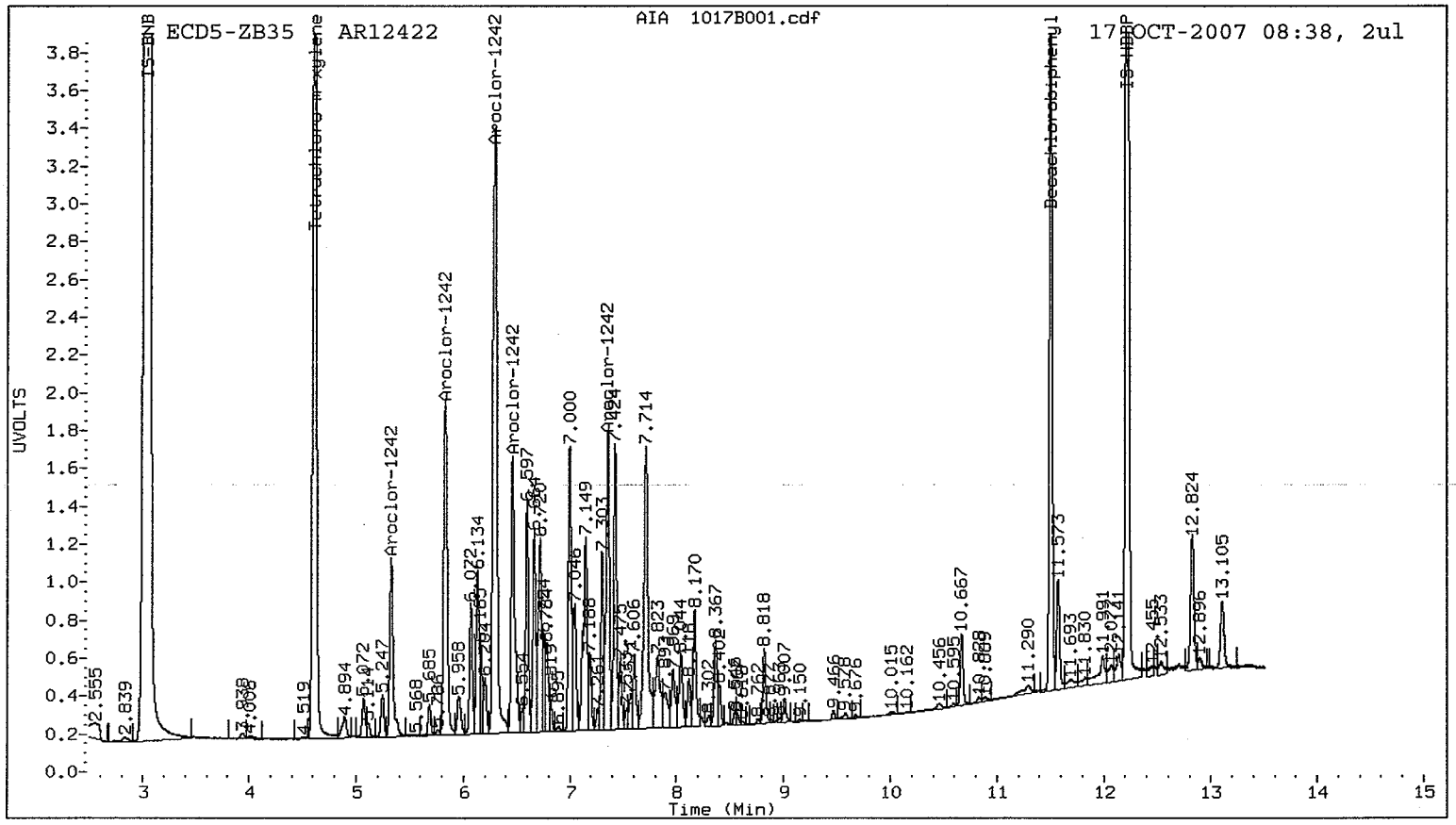
Aroclor-1242
Decachlorobiphenyl
IS-HBBP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Time (Min)
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Tetrachloro-m-xylene
Aroclor-1242
Decachlorobiphenyl
IS-HBBP

7F

PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB5 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/17/07

Lab Standard ID: AR16602 Time Analyzed :0856

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1016-1	5.70	5.60	5.80	237.8	250.0	-4.9
Aroclor-1016-2	6.00	5.89	6.09	239.4	250.0	-4.2
Aroclor-1016-3	6.11	6.00	6.20	239.8	250.0	-4.1
Aroclor-1016-4	6.36	6.26	6.46	236.5	250.0	-5.4

AVERAGE %D = 4.7

Date Analyzed :10/17/07

Lab Standard ID: AR16602 Time Analyzed :0856

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1260-1	8.79	8.68	8.88	247.6	250.0	-1.0
Aroclor-1260-2	9.05	8.95	9.15	249.3	250.0	-0.3
Aroclor-1260-3	9.35	9.25	9.45	251.1	250.0	0.4
Aroclor-1260-4	9.69	9.59	9.79	242.7	250.0	-2.9
Aroclor-1260-5	9.85	9.74	9.94	255.5	250.0	2.2

AVERAGE %D = 1.4

7F
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB35 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/17/07

Lab Standard ID: AR16602 Time Analyzed :0856

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1016-1	5.83	5.72	5.92	234.3	250.0	-6.3
Aroclor-1016-2	6.30	6.19	6.39	235.2	250.0	-5.9
Aroclor-1016-3	6.46	6.35	6.55	235.9	250.0	-5.6
Aroclor-1016-4	6.99	6.89	7.09	238.9	250.0	-4.4

AVERAGE %D = 5.5

Date Analyzed :10/17/07

Lab Standard ID: AR16602 Time Analyzed :0856

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1260-1	9.08	8.97	9.17	242.3	250.0	-3.1
Aroclor-1260-2	9.14	9.04	9.24	243.1	250.0	-2.8
Aroclor-1260-3	9.67	9.56	9.76	245.4	250.0	-1.8
Aroclor-1260-4	10.11	10.00	10.20	252.7	250.0	1.1
Aroclor-1260-5	10.16	10.05	10.25	249.1	250.0	-0.4

AVERAGE %D = 1.8

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B002.d
Data file 2: 20071016.b/1017-2.b/1017B002.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1660
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR16602
Client ID:
Injection Date: 17-OCT-2007 08:56
Report Date: 10/19/2007 10:28
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
4.528	0.005	8566835	4.609	0.004	5528177	19.8	20.0	1.1	Tetrachloro-m-xylene
11.140	0.005	6590659	11.500	0.004	3608379	19.5	21.1	7.8	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	49.4	50.0
Decachlorobiphenyl	48.7	52.7

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	33072634	4.8
Hexabromobiphenyl	9983366	10646112	6.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	21040880	3.5
Hexabromobiphenyl	6610345	7127495	7.8

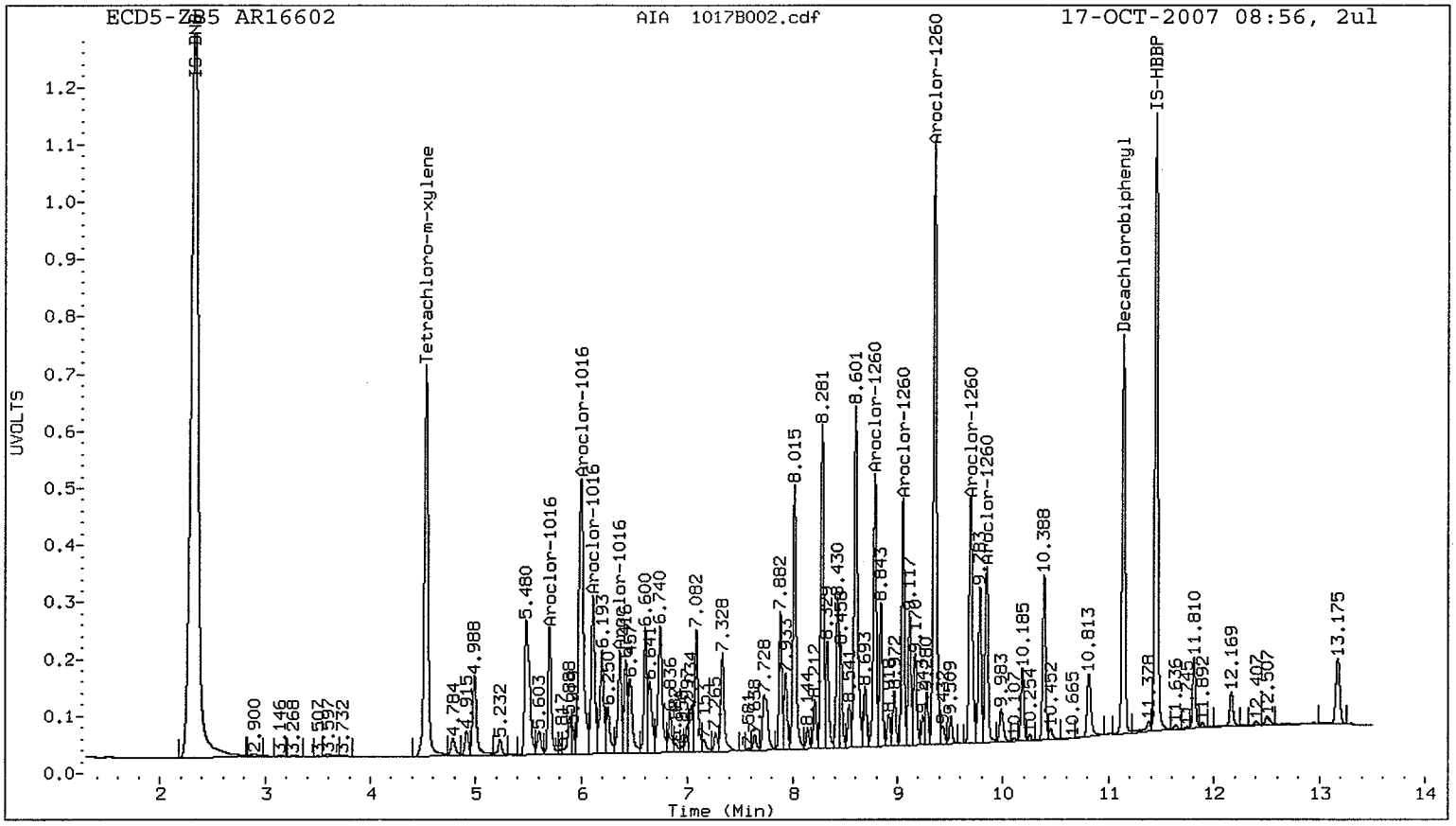
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1016	1	5.700	0.004	2482382	237.8	1	5.828	0.004	2437568	234.3
Aroclor-1016	2	5.997	0.006	7551256	239.4	2	6.296	0.003	5170925	235.2
Aroclor-1016	3	6.108	0.006	3319228	239.8	3	6.457	0.004	2070975	235.9
Aroclor-1016	4	6.363	0.006	2007305	236.5	4	6.994	0.004	1647576	238.9
Total Col1Ave (4 peaks):					238.3	Total Col2Ave (4 peaks):				236.1 RPD = 1
Corrected Ave (4 peaks):					238.3	Corrected Ave (4 peaks):				236.1 RPD = 1
Aroclor-1260	1	8.785	0.005	4723795	247.6	1	9.075	0.003	2658642	242.3
Aroclor-1260	2	9.053	0.005	4026475	249.3	2	9.144	0.004	1509867	243.1
Aroclor-1260	3	9.354	0.006	10680795	251.1	3	9.668	0.004	6426011	245.4
Aroclor-1260	4	9.694	0.004	4777287	242.7	4	10.106	0.003	1787784	252.7
Aroclor-1260	5	9.845	0.005	3115284	255.5	5	10.157	0.003	4063619	249.1
Total Col1Ave (5 peaks):					249.2	Total Col2Ave (5 peaks):				246.5 RPD = 1
Corrected Ave (5 peaks):					249.2	Corrected Ave (5 peaks):				246.5 RPD = 1

Total PCB Area Col1 (4.623 - 11.035) = 124148575 Col1 Total PCB = 0.5 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 76671450 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical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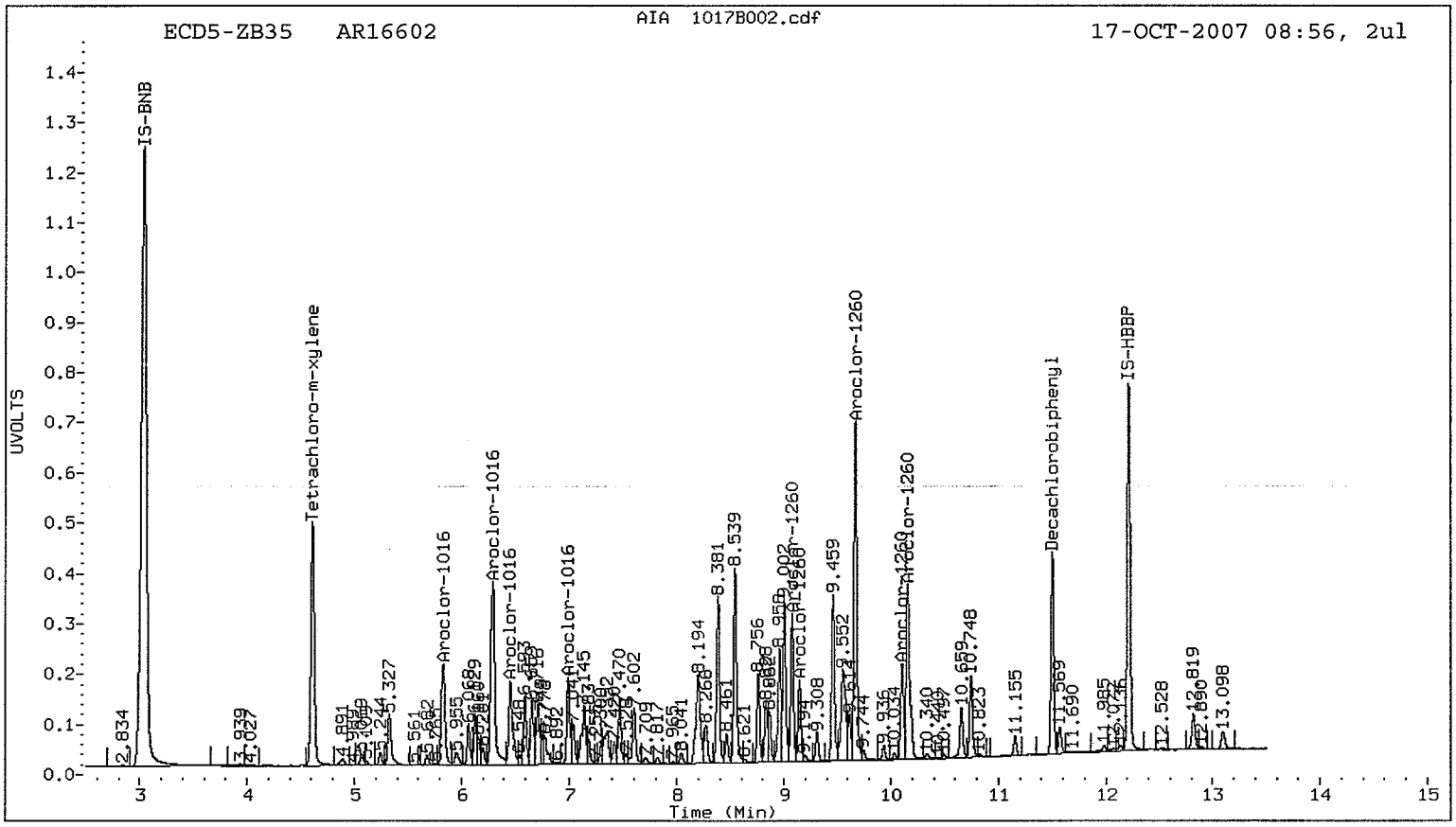
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP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Time (Min)
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Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP

7F
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB5 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/17/07

Lab Standard ID: AR12542 Time Analyzed :1656

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1254-1	7.32	7.22	7.42	233.1	250.0	-6.8
Aroclor-1254-2	7.63	7.53	7.73	227.2	250.0	-9.1
Aroclor-1254-3	7.75	7.64	7.84	223.1	250.0	-10.8
Aroclor-1254-4	8.03	7.93	8.13	223.7	250.0	-10.5
Aroclor-1254-5	8.34	8.24	8.44	219.5	250.0	-12.2

AVERAGE %D = 9.9

FORM VII PCB

7F
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB35 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/17/07

Lab Standard ID: AR12542 Time Analyzed :1656

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1254-1	7.60	7.50	7.70	237.0	250.0	-5.2
Aroclor-1254-2	8.04	7.94	8.14	230.9	250.0	-7.6
Aroclor-1254-3	8.16	8.06	8.26	232.1	250.0	-7.2
Aroclor-1254-4	8.36	8.26	8.46	231.3	250.0	-7.5
Aroclor-1254-5	8.82	8.72	8.92	226.8	250.0	-9.3

AVERAGE %D = 7.4

FORM VII PCB

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B030.d
Data file 2: 20071016.b/1017-2.b/1017B030.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1254
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR12542
Client ID:
Injection Date: 17-OCT-2007 16:56
Report Date: 10/19/2007 10:28
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.524	0.001	7882545	4.606	0.001	5206693	18.5	18.9	2.0	Tetrachloro-m-xylene
11.135	0.000	5223221	11.498	0.001	3055346	20.8	21.2	2.2	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	46.3	47.3
Decachlorobiphenyl	51.9	53.1

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	32465949	2.8
Hexabromobiphenyl	9983366	7915567	-20.7

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	20945819	3.1
Hexabromobiphenyl	6610345	5991719	-9.4

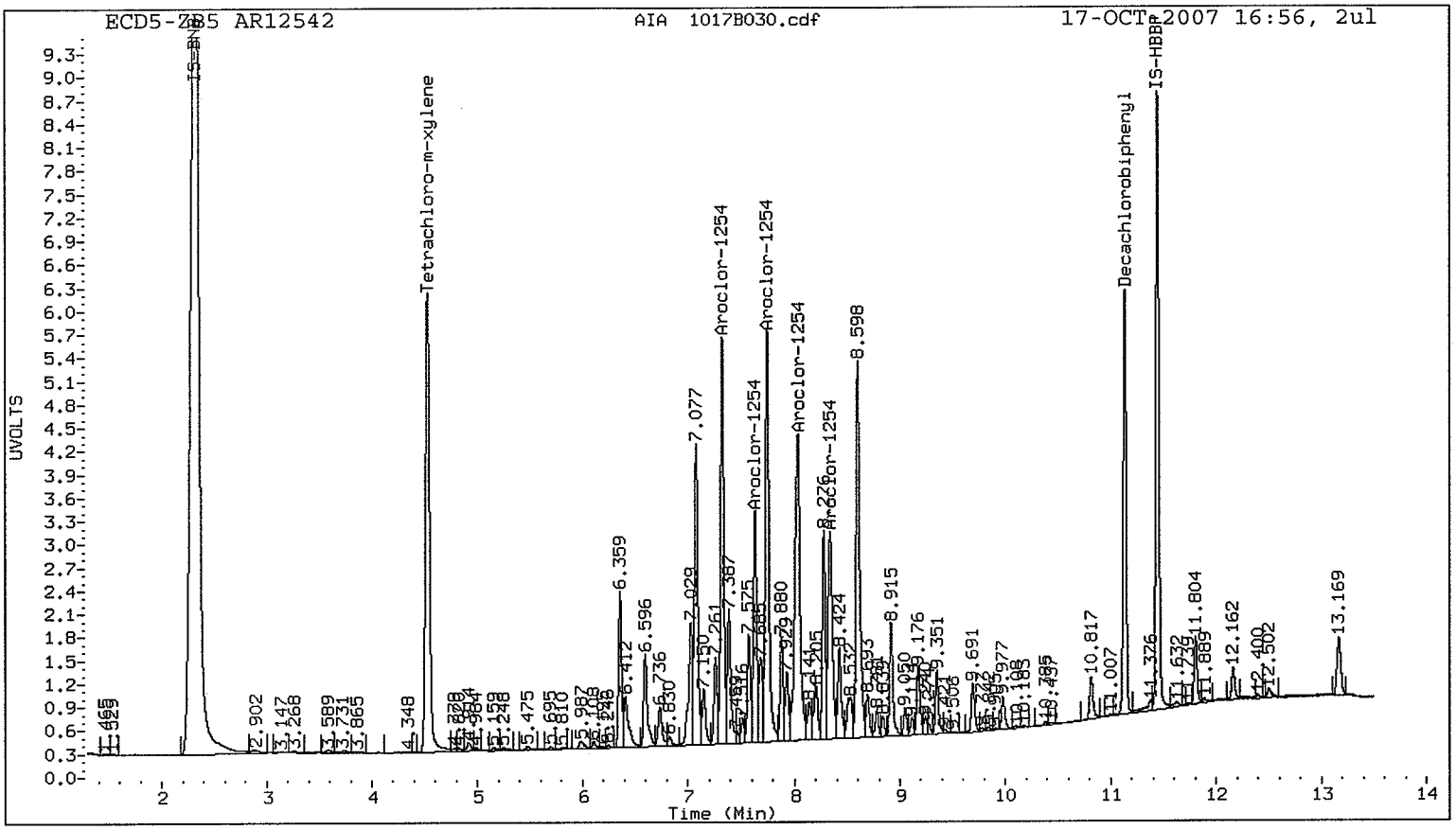
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	ZB5 Col Shift	Area	Amount	Peak#	RT	ZB35 Col Shift	Area	Amount
Aroclor-1254	1	7.323	0.001	5391046	233.1	1	7.599	0.001	2828526	237.0
Aroclor-1254	2	7.632	0.001	3234710	227.2	2	8.036	0.000	2099768	230.9
Aroclor-1254	3	7.746	0.001	6309662	223.1	3	8.162	0.000	4545644	232.1
Aroclor-1254	4	8.034	0.002	6813178	223.7	4	8.364	0.000	4573509	231.3
Aroclor-1254	5	8.336	0.000	3926237	219.5	5	8.818	0.001	2523299	226.8
Total Col1Ave (5 peaks):					225.3	Total Col2Ave (5 peaks):				231.6 RPD = 3
Corrected Ave (5 peaks):					225.3	Corrected Ave (5 peaks):				231.6 RPD = 3

Total PCB Area Col1 (4.623 - 11.035) = 67634075 Col1 Total PCB = 0.3 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 44811634 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical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Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1254
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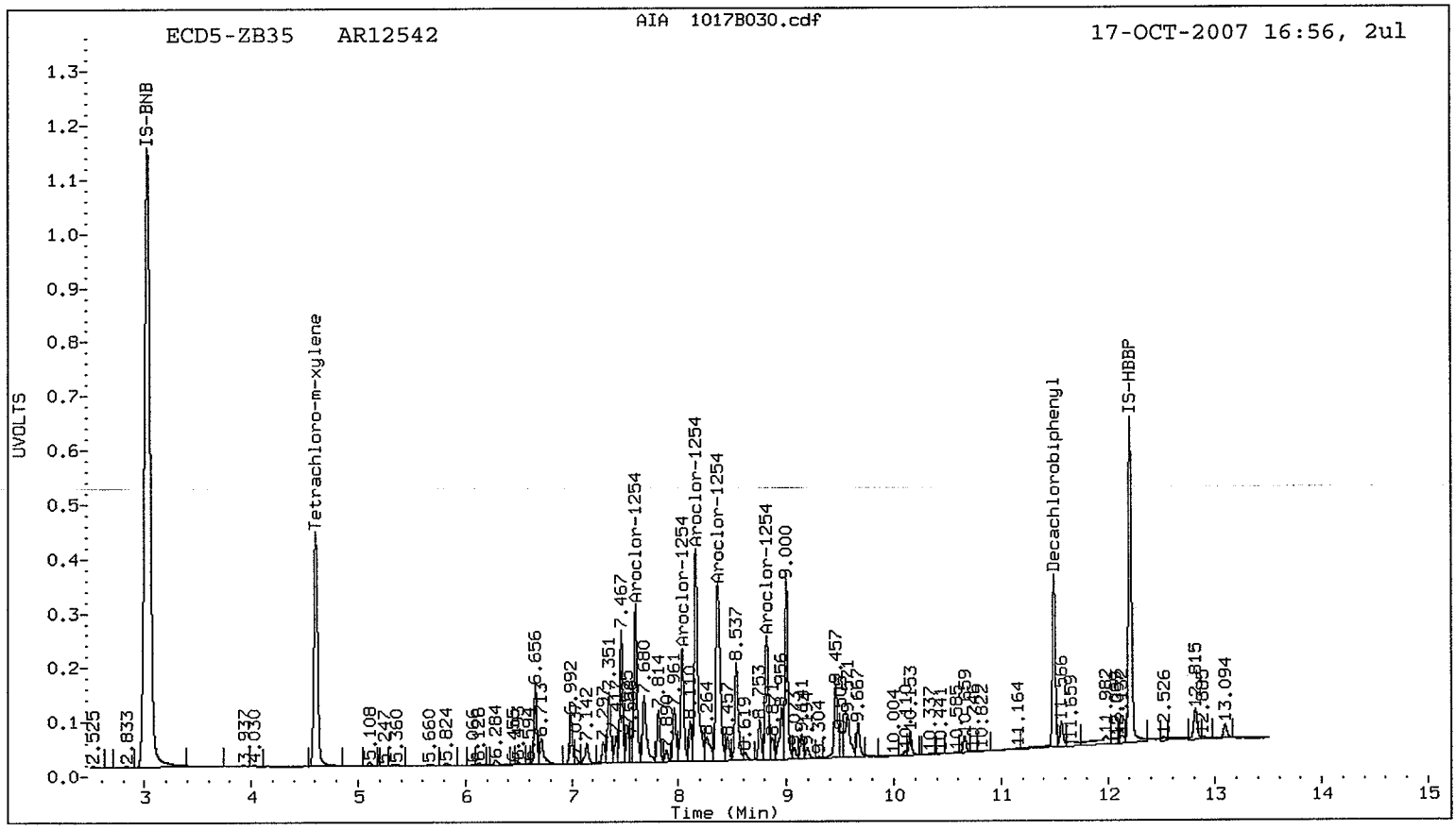
Aroclor-1254
Aroclor-1254
Aroclor-1254
Decachlorobiphenyl
IS-HBBP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Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1254
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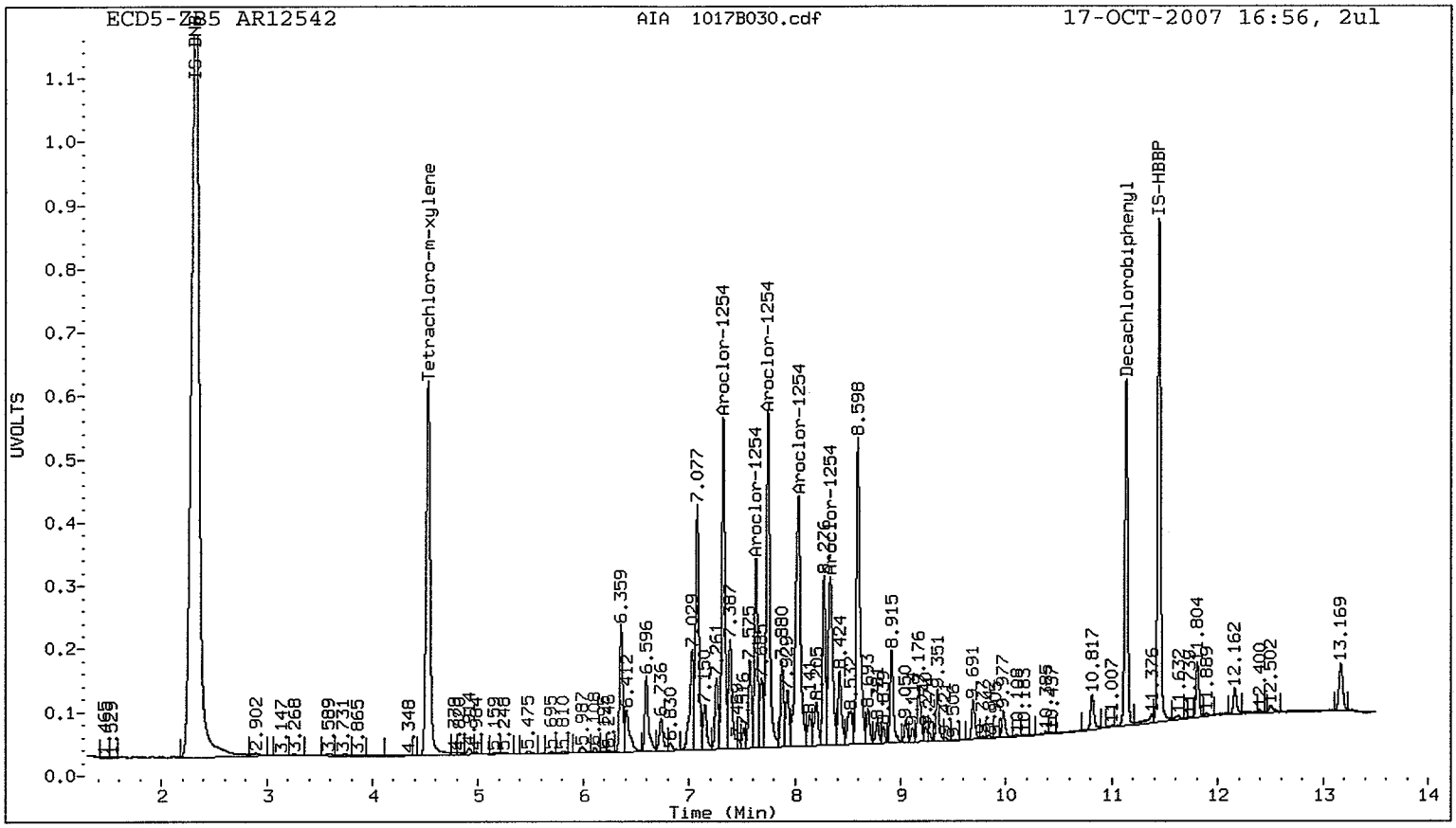
Decachlorobiphenyl
IS-HBBP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Time (Min)
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Tetrachloro-m-xylene
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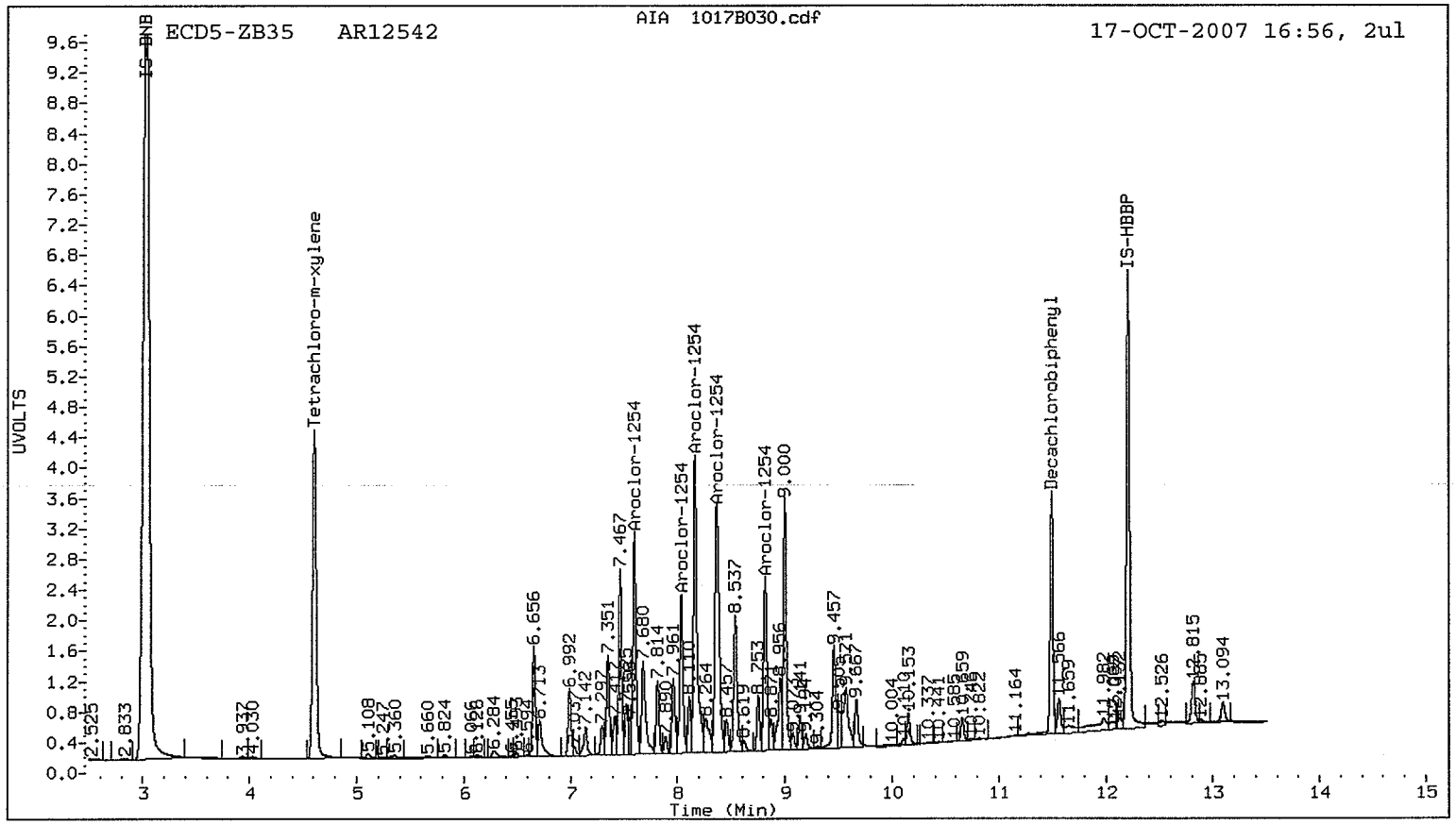
IS-HBBP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UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1254
Decachlorobiphenyl
IS-HBBP

7F

PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB5 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/17/07

Lab Standard ID: AR16603 Time Analyzed :1713

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1016-1	5.70	5.60	5.80	239.0	250.0	-4.4
Aroclor-1016-2	5.99	5.89	6.09	244.3	250.0	-2.3
Aroclor-1016-3	6.10	6.00	6.20	241.9	250.0	-3.2
Aroclor-1016-4	6.36	6.26	6.46	238.2	250.0	-4.7

AVERAGE %D = 3.7

Date Analyzed :10/17/07

Lab Standard ID: AR16603 Time Analyzed :1713

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1260-1	8.78	8.68	8.88	284.6	250.0	13.8
Aroclor-1260-2	9.05	8.95	9.15	283.2	250.0	13.3
Aroclor-1260-3	9.35	9.25	9.45	289.5	250.0	15.8
Aroclor-1260-4	9.69	9.59	9.79	275.0	250.0	10.0
Aroclor-1260-5	9.84	9.74	9.94	287.1	250.0	14.8

AVERAGE %D = 13.5

7F
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB35 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/17/07

Lab Standard ID: AR16603 Time Analyzed :1713

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1016-1	5.82	5.72	5.92	238.9	250.0	-4.4
Aroclor-1016-2	6.29	6.19	6.39	239.7	250.0	-4.1
Aroclor-1016-3	6.45	6.35	6.55	236.5	250.0	-5.4
Aroclor-1016-4	6.99	6.89	7.09	235.1	250.0	-6.0

AVERAGE %D = 5.0

Date Analyzed :10/17/07

Lab Standard ID: AR16603 Time Analyzed :1713

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1260-1	9.07	8.97	9.17	269.1	250.0	7.6
Aroclor-1260-2	9.14	9.04	9.24	267.2	250.0	6.9
Aroclor-1260-3	9.66	9.56	9.76	267.4	250.0	6.9
Aroclor-1260-4	10.10	10.00	10.20	268.4	250.0	7.4
Aroclor-1260-5	10.15	10.05	10.25	269.7	250.0	7.9

AVERAGE %D = 7.3

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B031.d
Data file 2: 20071016.b/1017-2.b/1017B031.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1660
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR16603
Client ID:
Injection Date: 17-OCT-2007 17:13
Report Date: 10/19/2007 10:28
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
4.523	0.001	8271205	4.605	0.000	5403659	20.1	20.2	0.5	Tetrachloro-m-xylene
11.134	-0.001	5387752	11.497	0.000	2822351	20.9	20.3	2.7	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	50.2	50.5
Decachlorobiphenyl	52.2	50.8

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	31408365	-0.5
Hexabromobiphenyl	9983366	8124236	-18.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	20341604	0.1
Hexabromobiphenyl	6610345	5780410	-12.6

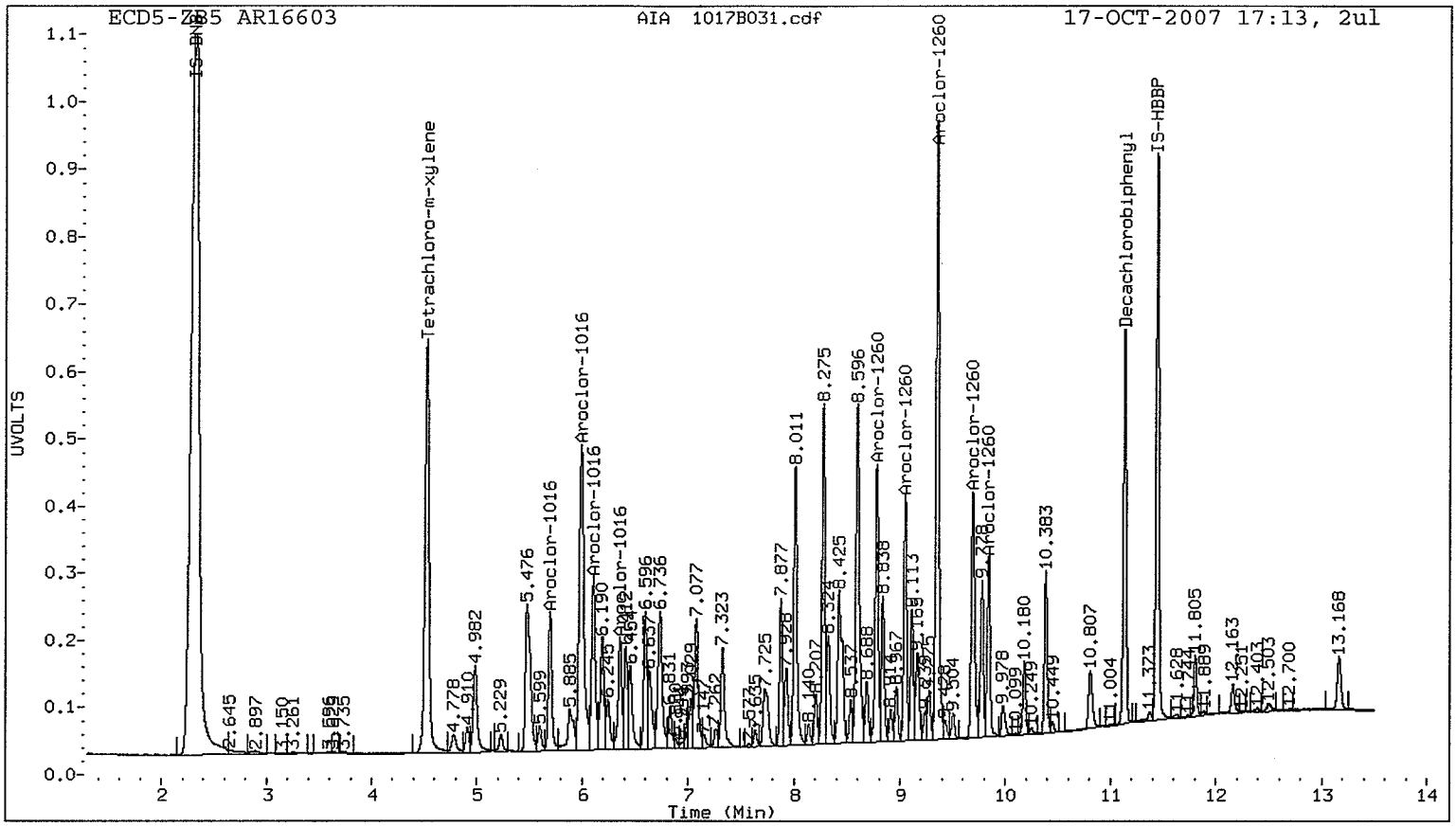
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	ZB5 Col Shift	Area	Amount	Peak#	RT	ZB35 Col Shift	Area	Amount
Aroclor-1016	1	5.695	0.000	2369124	239.0	1	5.824	0.000	2402795	238.9
Aroclor-1016	2	5.992	0.001	7318340	244.3	2	6.294	0.001	5094963	239.7
Aroclor-1016	3	6.104	0.001	3180390	241.9	3	6.455	0.002	2006898	236.5
Aroclor-1016	4	6.358	0.002	1919882	238.2	4	6.991	0.001	1567214	235.1
Total Col1Ave (4 peaks):					240.8	Total Col2Ave (4 peaks):				237.5 RPD = 1
Corrected Ave (4 peaks):					240.8	Corrected Ave (4 peaks):				237.5 RPD = 1
Aroclor-1260	1	8.780	0.000	4143566	284.6	1	9.073	0.001	2394524	269.1
Aroclor-1260	2	9.049	0.000	3491232	283.2	2	9.141	0.001	1345863	267.2
Aroclor-1260	3	9.350	0.001	9395779	289.5	3	9.665	0.001	5677430	267.4
Aroclor-1260	4	9.690	0.000	4132121	275.0	4	10.103	-0.001	1540241	268.4
Aroclor-1260	5	9.840	0.000	2670884	287.1	5	10.155	0.001	3567535	269.7
Total Col1Ave (5 peaks):					283.9	Total Col2Ave (5 peaks):				268.4 RPD = 6
Corrected Ave (5 peaks):					283.9	Corrected Ave (5 peaks):				268.4 RPD = 6

Total PCB Area Col1 (4.623 - 11.035) = 111419137 Col1 Total PCB = 0.5 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 70396507 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical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Aroclor-1016
Aroclor-1260
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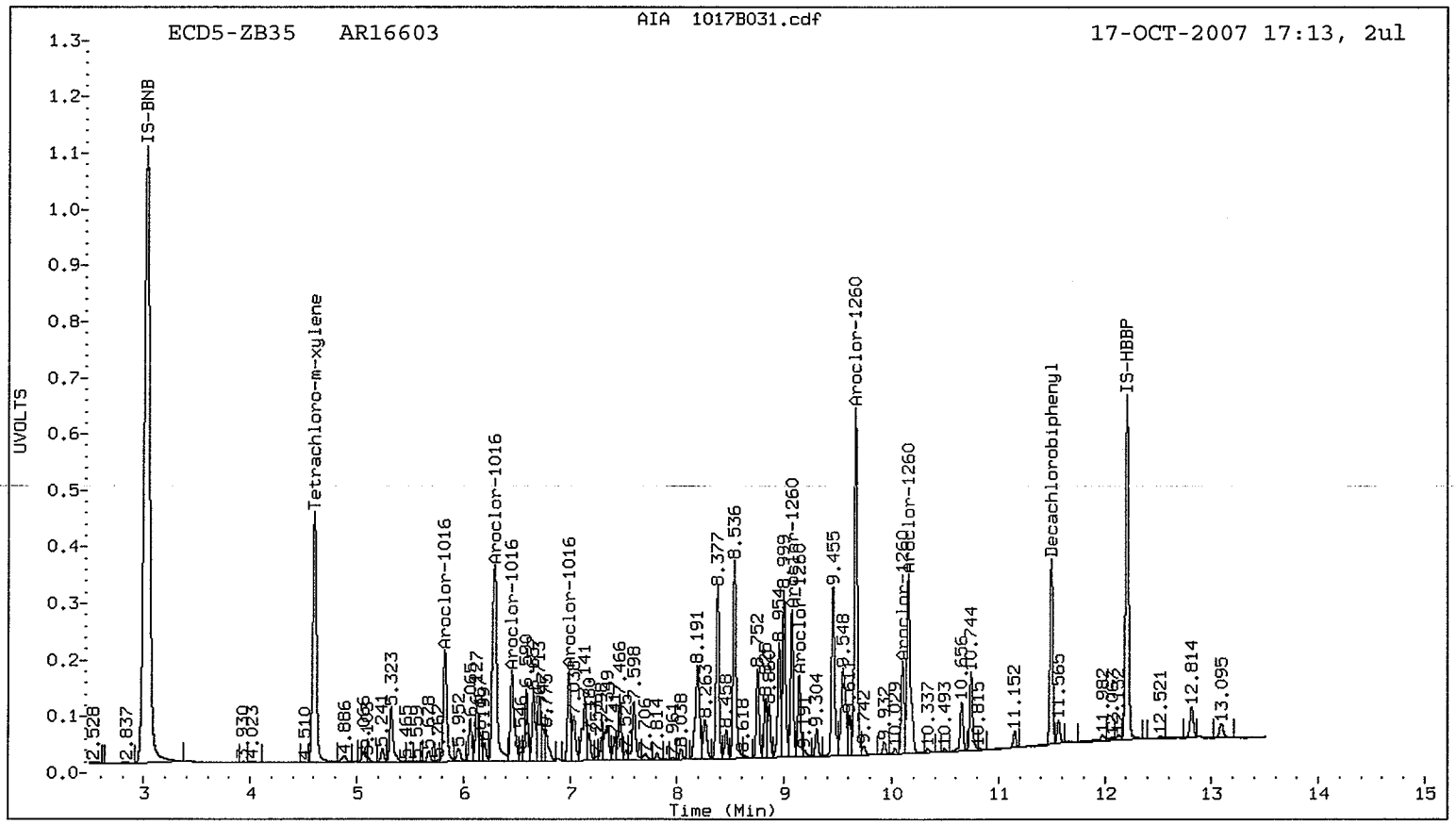
IS-HBBP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Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP

7F
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB5 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/17/07

Lab Standard ID: AR12482 Time Analyzed :2313

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1248-1	5.99	5.89	6.09	252.6	250.0	1.0
Aroclor-1248-2	6.11	6.01	6.21	247.9	250.0	-0.8
Aroclor-1248-3	6.36	6.26	6.46	247.1	250.0	-1.1
Aroclor-1248-4	6.74	6.64	6.84	242.6	250.0	-3.0
Aroclor-1248-5	7.07	6.97	7.17	241.3	250.0	-3.5

AVERAGE %D = 1.9

FORM VII PCB

7F
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB35 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/17/07

Lab Standard ID: AR12482 Time Analyzed :2313

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1248-1	6.29	6.19	6.39	244.5	250.0	-2.2
Aroclor-1248-2	6.66	6.56	6.76	241.3	250.0	-3.5
Aroclor-1248-3	6.99	6.89	7.09	243.2	250.0	-2.7
Aroclor-1248-4	7.35	7.25	7.45	239.7	250.0	-4.1

AVERAGE %D = 3.1

FORM VII PCB

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B052.d
Data file 2: 20071016.b/1017-2.b/1017B052.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1248
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR12482
Client ID:
Injection Date: 17-OCT-2007 23:13
Report Date: 10/19/2007 10:28
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
4.523	0.000	7959962	4.605	0.000	5340017	18.9	19.2	2.0	Tetrachloro-m-xylene
11.133	-0.002	5649329	11.495	-0.002	3050605	21.2	21.6	2.0	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	47.2	48.1
Decachlorobiphenyl	52.9	54.0

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	32189513	2.0
Hexabromobiphenyl	9983366	8404718	-15.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	21104119	3.8
Hexabromobiphenyl	6610345	5880298	-11.0

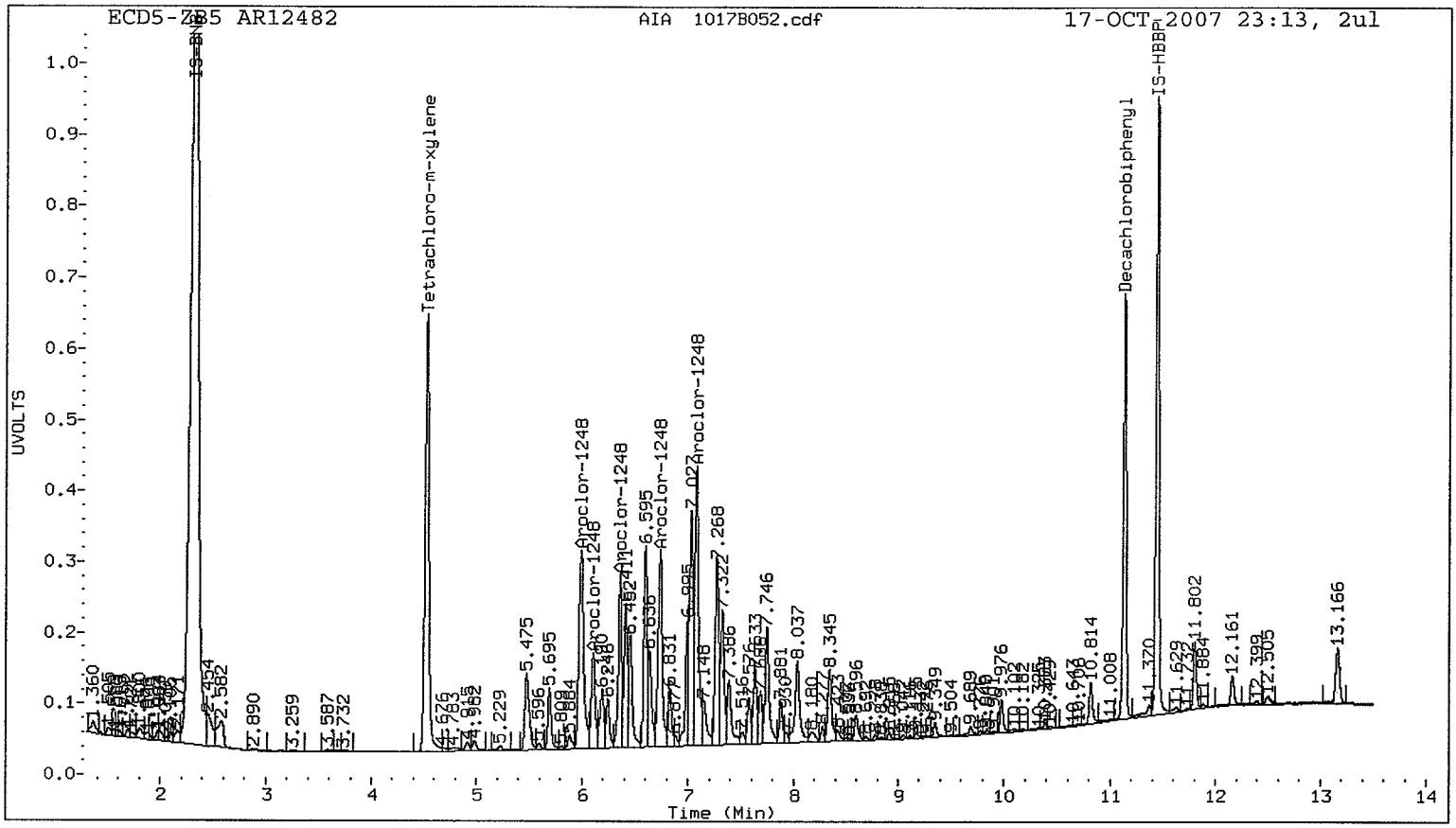
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1248	1	5.992	0.000	4531296	252.6	1	6.292	0.001	3180907	244.5
Aroclor-1248	2	6.106	0.000	1692279	247.9	2	6.656	0.000	1739942	241.3
Aroclor-1248	3	6.357	0.000	2631127	247.1	3	6.990	0.001	2058186	243.2
Aroclor-1248	4	6.735	-0.001	3805087	242.6	4	7.351	0.001	2810270	239.7
Aroclor-1248	5	7.074	0.000	5008970	241.3	NS	---			----
Total Col1Ave (5 peaks):					246.3	Total Col2Ave (4 peaks):			242.2	RPD = 2
Corrected Ave (5 peaks):					246.3	Corrected Ave (4 peaks):			242.2	RPD = 2

Total PCB Area Col1 (4.623 - 11.035) = 58902873 Col1 Total PCB = 0.2 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 38483330 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical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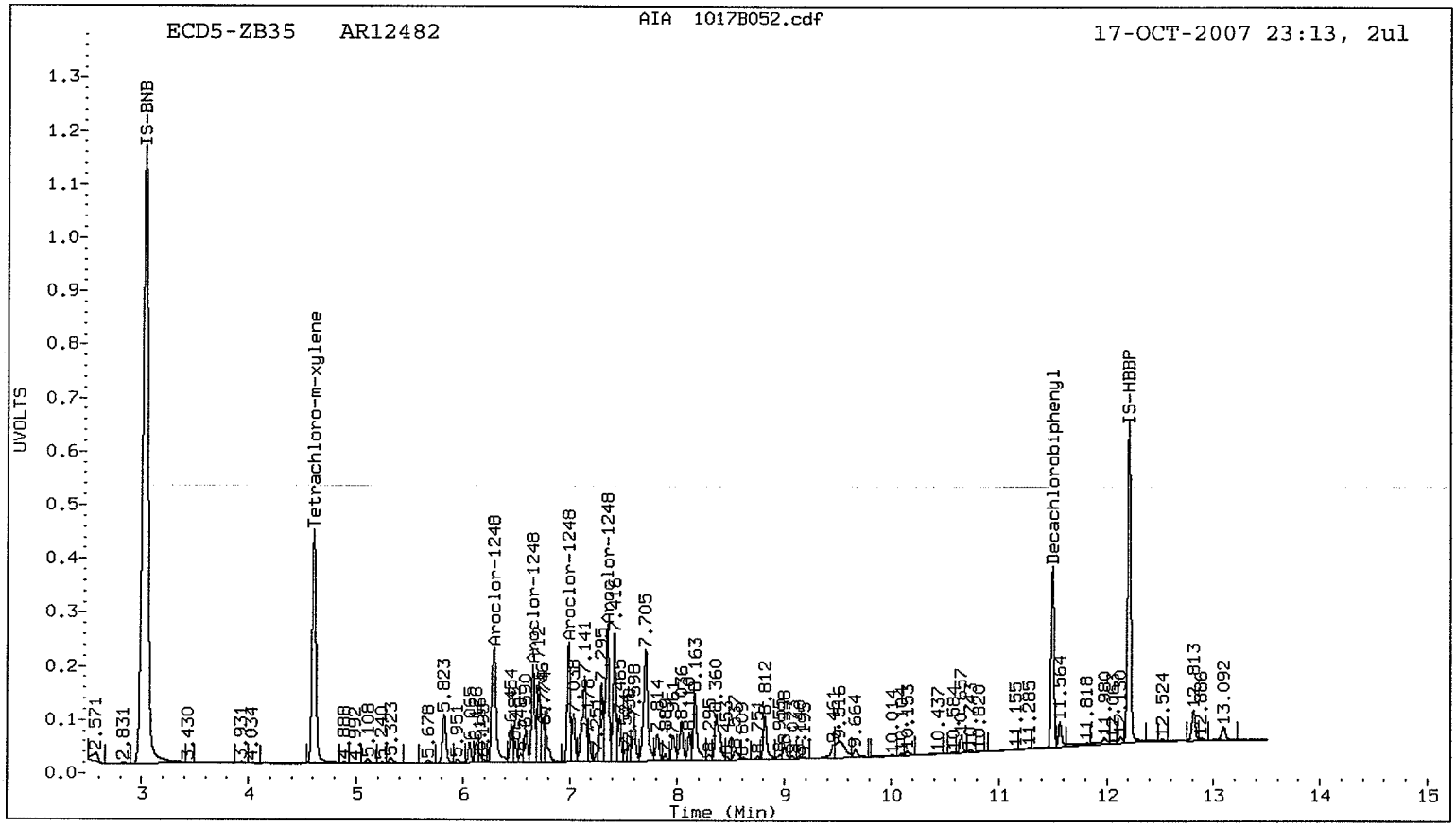
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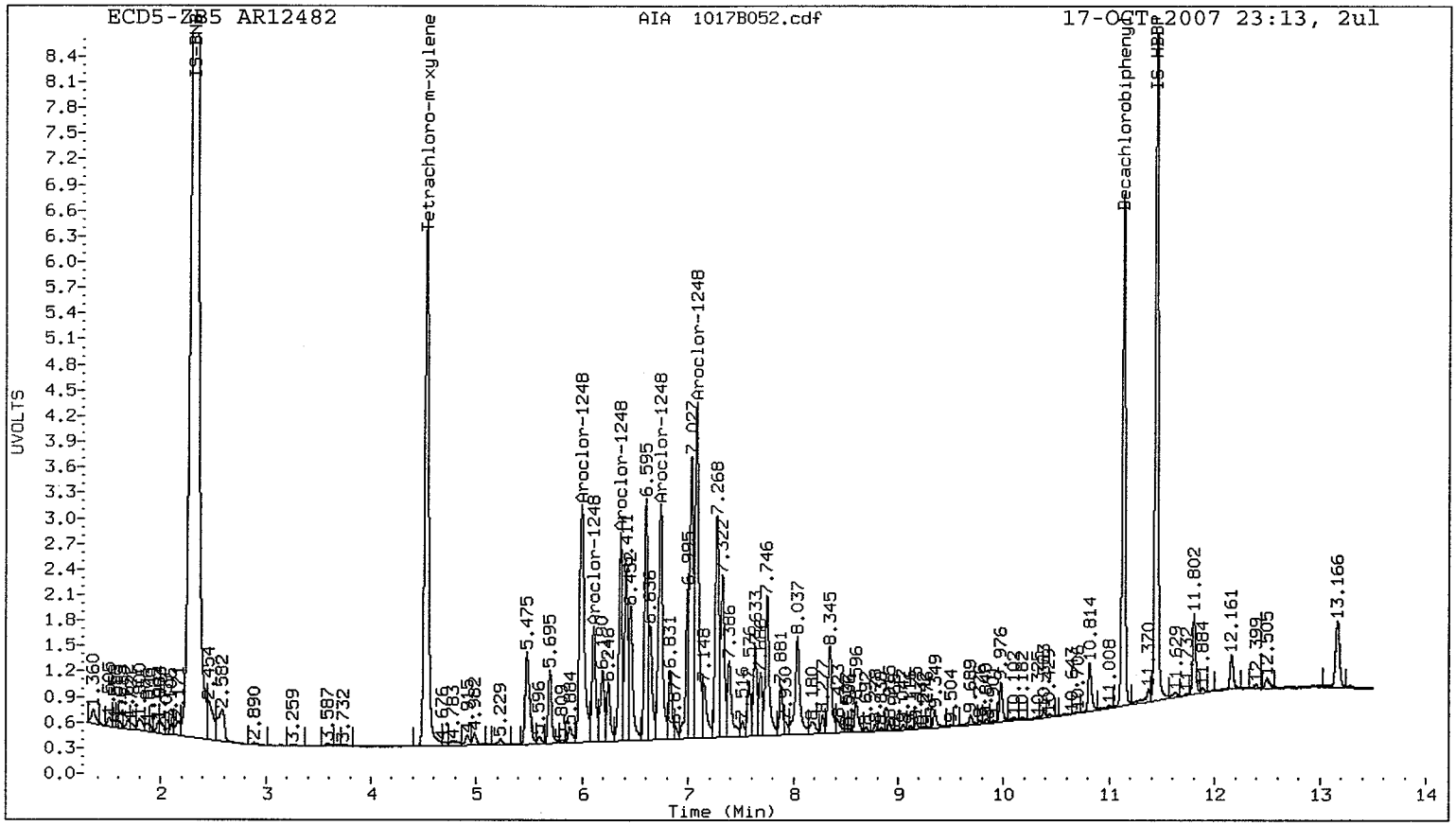
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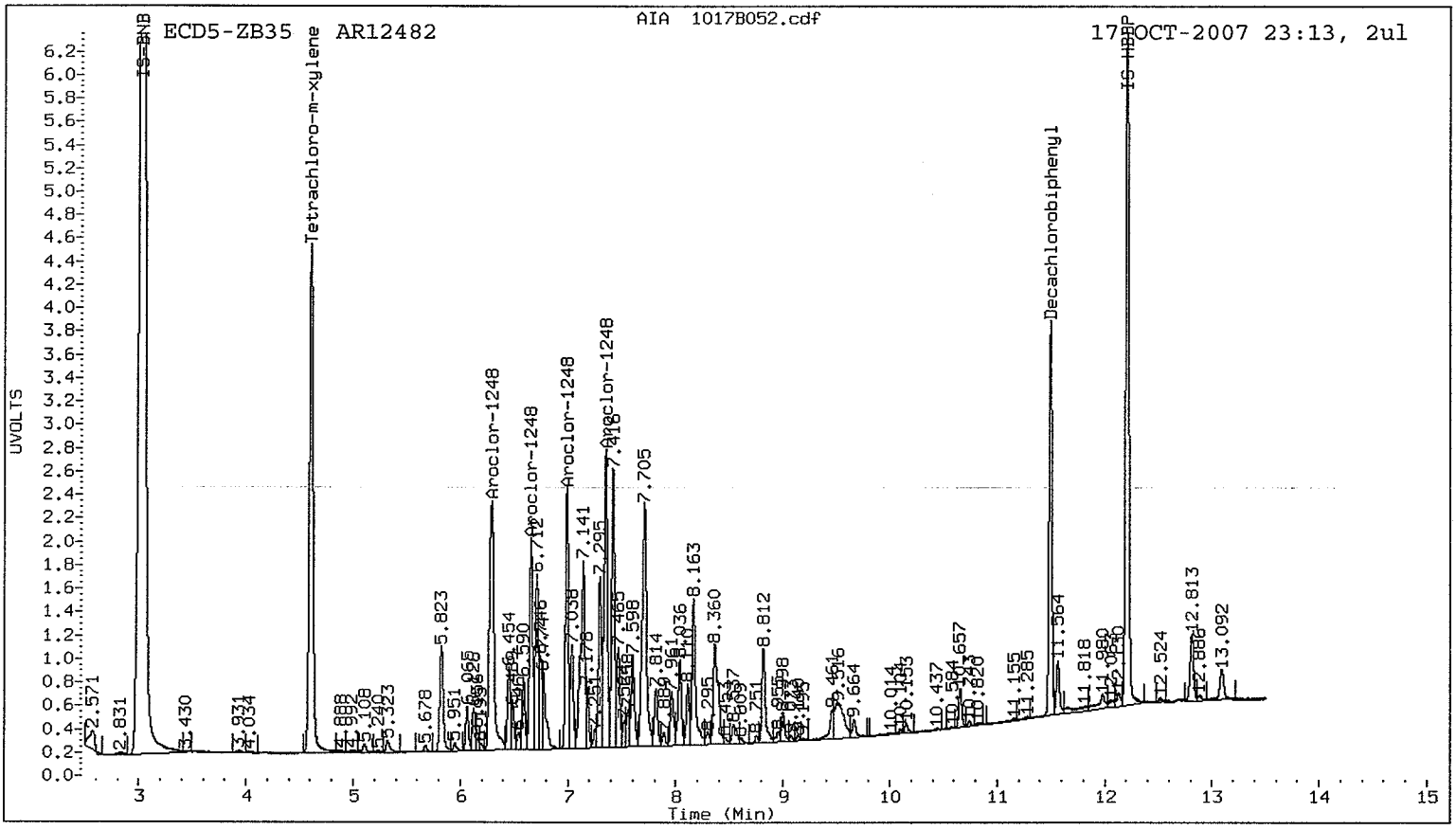
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Aroclor-1248
Decachlorobiphenyl
IS-HBBP

7F

PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB5 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/17/07

Lab Standard ID: AR16604 Time Analyzed :2330

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1016-1	5.70	5.60	5.80	237.2	250.0	-5.1
Aroclor-1016-2	5.99	5.89	6.09	238.4	250.0	-4.6
Aroclor-1016-3	6.10	6.00	6.20	237.1	250.0	-5.2
Aroclor-1016-4	6.36	6.26	6.46	234.6	250.0	-6.2

AVERAGE %D = 5.3

Date Analyzed :10/17/07

Lab Standard ID: AR16604 Time Analyzed :2330

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1260-1	8.78	8.68	8.88	287.4	250.0	15.0
Aroclor-1260-2	9.05	8.95	9.15	285.6	250.0	14.2
Aroclor-1260-3	9.35	9.25	9.45	291.8	250.0	16.7
Aroclor-1260-4	9.69	9.59	9.79	280.0	250.0	12.0
Aroclor-1260-5	9.84	9.74	9.94	288.9	250.0	15.6

AVERAGE %D = 14.7

7F
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB35 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/17/07

Lab Standard ID: AR16604 Time Analyzed :2330

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1016-1	5.82	5.72	5.92	234.2	250.0	-6.3
Aroclor-1016-2	6.29	6.19	6.39	235.9	250.0	-5.6
Aroclor-1016-3	6.45	6.35	6.55	233.6	250.0	-6.6
Aroclor-1016-4	6.99	6.89	7.09	231.8	250.0	-7.3

AVERAGE %D = 6.5

Date Analyzed :10/17/07

Lab Standard ID: AR16604 Time Analyzed :2330

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1260-1	9.07	8.97	9.17	268.7	250.0	7.5
Aroclor-1260-2	9.14	9.04	9.24	267.8	250.0	7.1
Aroclor-1260-3	9.66	9.56	9.76	265.3	250.0	6.1
Aroclor-1260-4	10.10	10.00	10.20	270.3	250.0	8.1
Aroclor-1260-5	10.15	10.05	10.25	271.5	250.0	8.6

AVERAGE %D = 7.5

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B053.d
Data file 2: 20071016.b/1017-2.b/1017B053.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1660
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR16604
Client ID:
Injection Date: 17-OCT-2007 23:30
Report Date: 10/19/2007 10:28
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.523	0.000	8118482	4.604	-0.001	5293351	19.6	19.8	1.0	Tetrachloro-m-xylene
11.134	-0.001	5612934	11.495	-0.001	3014583	21.3	21.2	0.6	Decachlorobiphenyl M

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	49.0	49.5
Decachlorobiphenyl	53.3	53.0

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	31587087	0.1
Hexabromobiphenyl	9983366	8289248	-17.0

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	20325001	0.0
Hexabromobiphenyl	6610345	5921235	-10.4

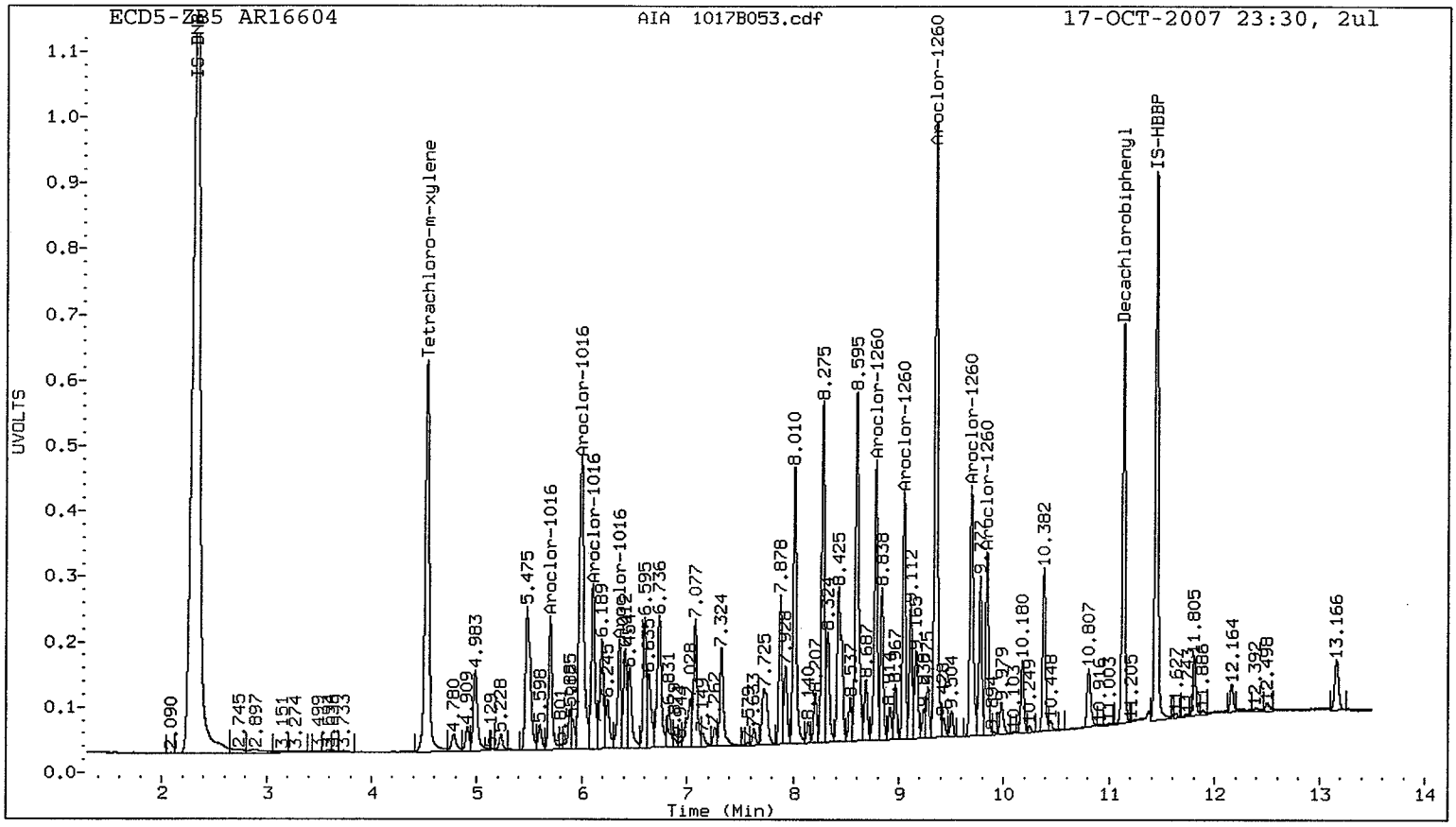
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	5.695	0.000	2364635	237.2	1	5.824	0.000	2353873	234.2
Aroclor-1016	2	5.992	0.001	7184379	238.4	2	6.294	0.001	5011925	235.9
Aroclor-1016	3	6.104	0.001	3134896	237.1	3	6.454	0.001	1980818	233.6
Aroclor-1016	4	6.358	0.001	1901958	234.6	4	6.990	0.000	1544016	231.8
Total Col1Ave (4 peaks):					236.8	Total Col2Ave (4 peaks):				233.9 RPD = 1
Corrected Ave (4 peaks):					236.8	Corrected Ave (4 peaks):				233.9 RPD = 1
Aroclor-1260	1	8.780	0.000	4269153	287.4	1	9.071	-0.001	2449288	268.7
Aroclor-1260	2	9.048	0.000	3592213	285.6	2	9.140	0.000	1381776	267.8
Aroclor-1260	3	9.349	0.000	9664402	291.8	3	9.664	0.000	5770653	265.3
Aroclor-1260	4	9.689	-0.001	4292180	280.0	4	10.102	-0.001	1589066	270.3
Aroclor-1260	5	9.840	0.000	2742905	288.9	5	10.153	-0.001	3679547	271.5
Total Col1Ave (5 peaks):					286.8	Total Col2Ave (5 peaks):				268.7 RPD = 6
Corrected Ave (5 peaks):					286.8	Corrected Ave (5 peaks):				268.7 RPD = 6

Total PCB Area Col1 (4.623 - 11.035) = 112961639 Col1 Total PCB = 0.5 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 70804116 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical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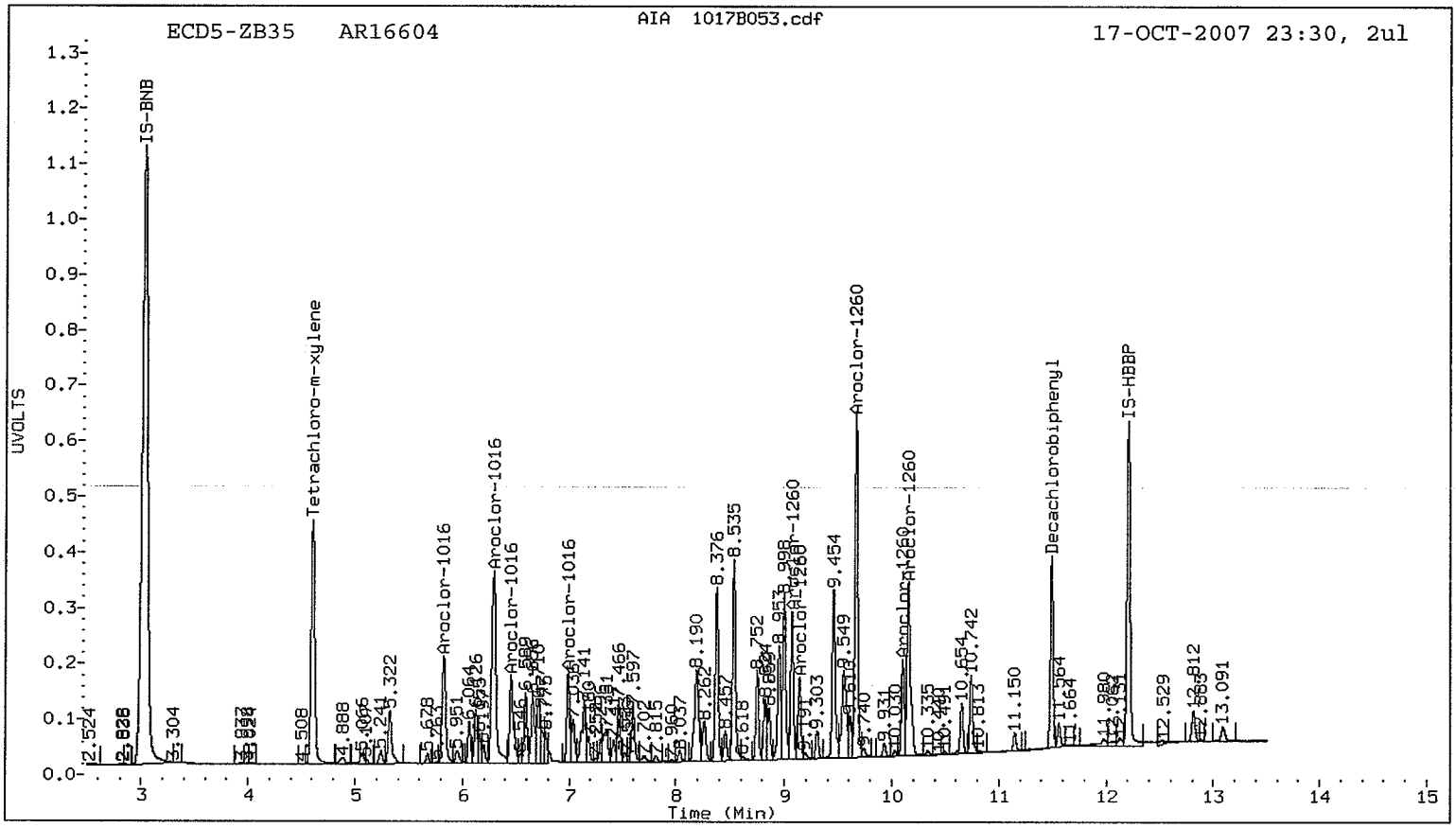
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Time (Min)
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Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP

7F

PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB5 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/18/07

Lab Standard ID: AR12543 Time Analyzed :0918

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1254-1	7.34	7.22	7.42	230.2	250.0	-7.9
Aroclor-1254-2	7.65	7.53	7.73	232.6	250.0	-7.0
Aroclor-1254-3	7.76	7.64	7.84	219.4	250.0	-12.2
Aroclor-1254-4	8.04	7.93	8.13	227.3	250.0	-9.1
Aroclor-1254-5	8.35	8.24	8.44	226.4	250.0	-9.4

AVERAGE %D = 9.1

7F
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB35 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/18/07

Lab Standard ID: AR12543 Time Analyzed :0918

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1254-1	7.61	7.50	7.70	232.0	250.0	-7.2
Aroclor-1254-2	8.04	7.94	8.14	233.3	250.0	-6.7
Aroclor-1254-3	8.17	8.06	8.26	232.1	250.0	-7.2
Aroclor-1254-4	8.37	8.26	8.46	234.4	250.0	-6.2
Aroclor-1254-5	8.82	8.72	8.92	239.6	250.0	-4.1

AVERAGE %D = 6.3

FORM VII PCB

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1018-1.b/1018B001.d
Data file 2: 20071016.b/1018-2.b/1018B001.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1254
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR12543
Client ID:
Injection Date: 18-OCT-2007 09:18
Report Date: 10/19/2007 10:28
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
4.547	0.025	8637755	4.612	0.007	5694304	18.3	18.8	2.7	Tetrachloro-m-xylene
11.152	0.017	5976066	11.506	0.010	3301163	21.3	20.6	3.7	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	45.7	47.0
Decachlorobiphenyl	53.3	51.4

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	36072509	14.3
Hexabromobiphenyl	9983366	8827155	-11.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	23056781	13.4
Hexabromobiphenyl	6610345	6687432	1.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	ZB5 Col Peak#	RT	Shift	Area	Amount	ZB35 Col Peak#	RT	Shift	Area	Amount
Aroclor-1254	1	7.339	0.016	5913997	230.2	1	7.606	0.009	3048072	232.0
Aroclor-1254	2	7.646	0.015	3679241	232.6	2	8.044	0.008	2335320	233.3
Aroclor-1254	3	7.759	0.014	6894739	219.4	3	8.170	0.008	5004550	232.1
Aroclor-1254	4	8.044	0.012	7692036	227.3	4	8.368	0.004	5100511	234.4
Aroclor-1254	5	8.349	0.013	4499469	226.4	5	8.822	0.005	2934945	239.6

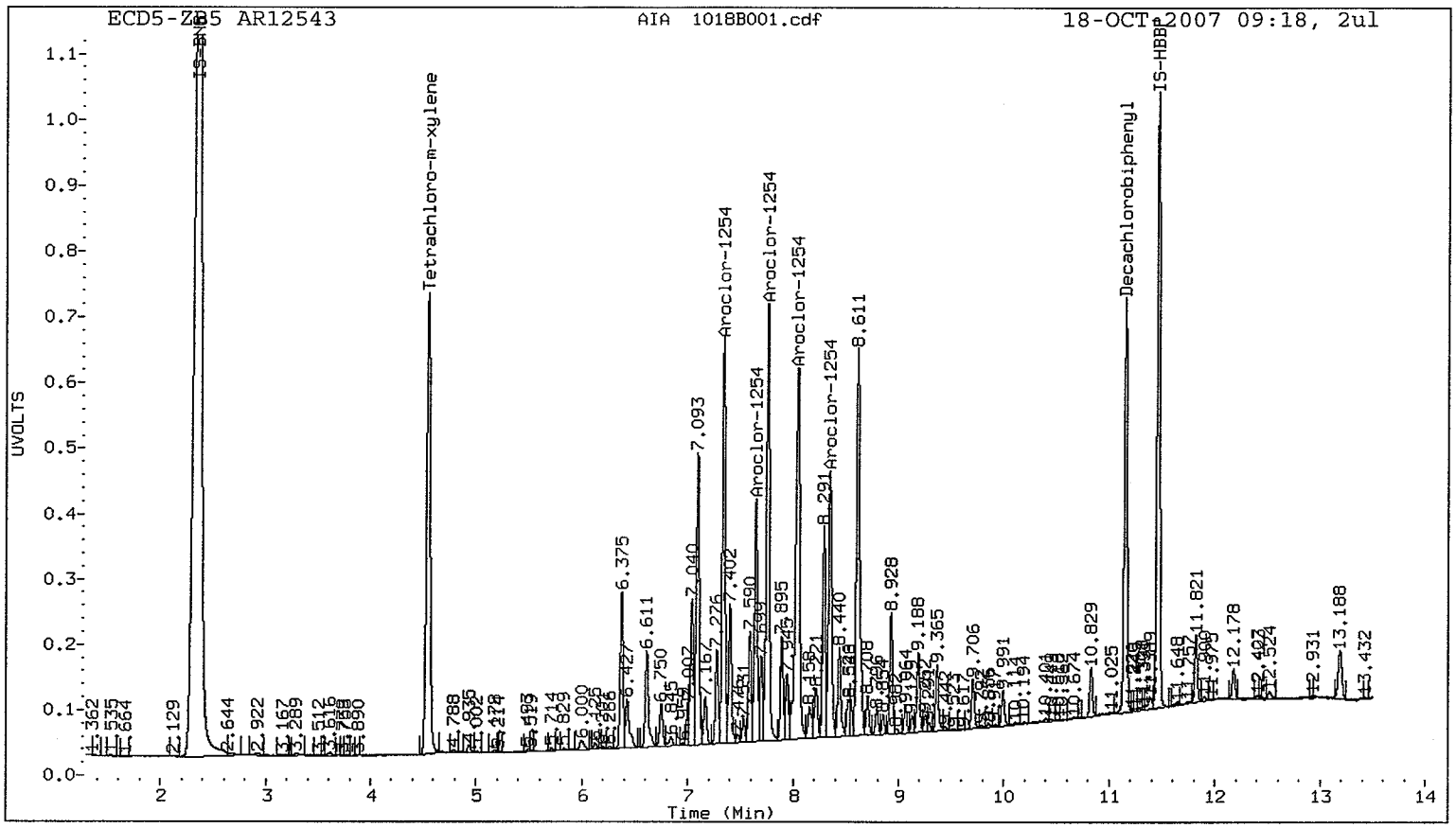
Total Col1Ave (5 peaks): 227.2 Total Col2Ave (5 peaks): 234.3 RPD = 3

Corrected Ave (5 peaks): 227.2 Corrected Ave (5 peaks): 234.3 RPD = 3

Total PCB Area Col1 (4.623 - 11.035) = 74277174 Col1 Total PCB = 0.3 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 47732393 Col2 Total PCB = 0.3 ppm*

* Quantitated against AR1660 0.25ppm in Ical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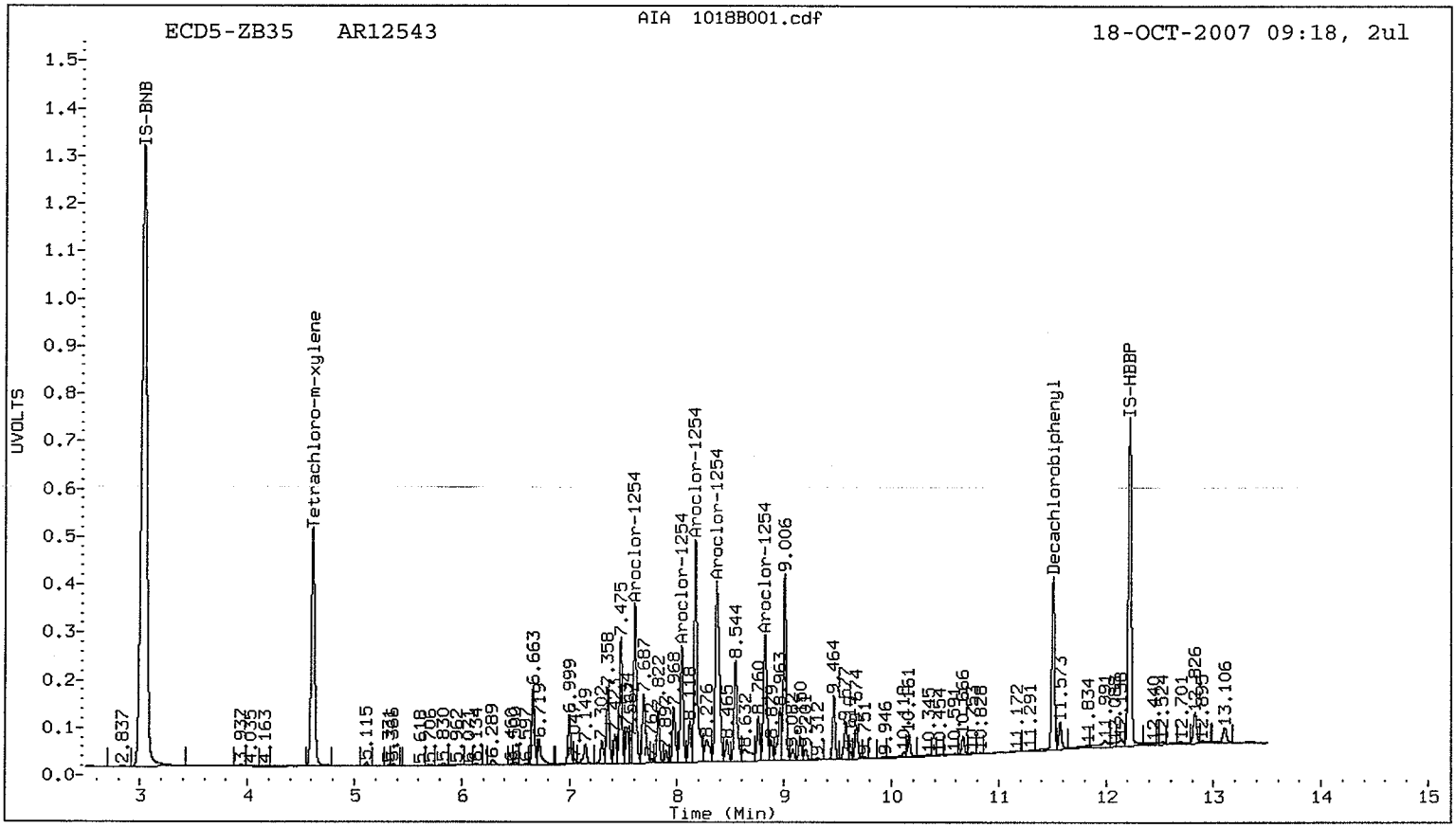
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Tetrachloro-m-xylene
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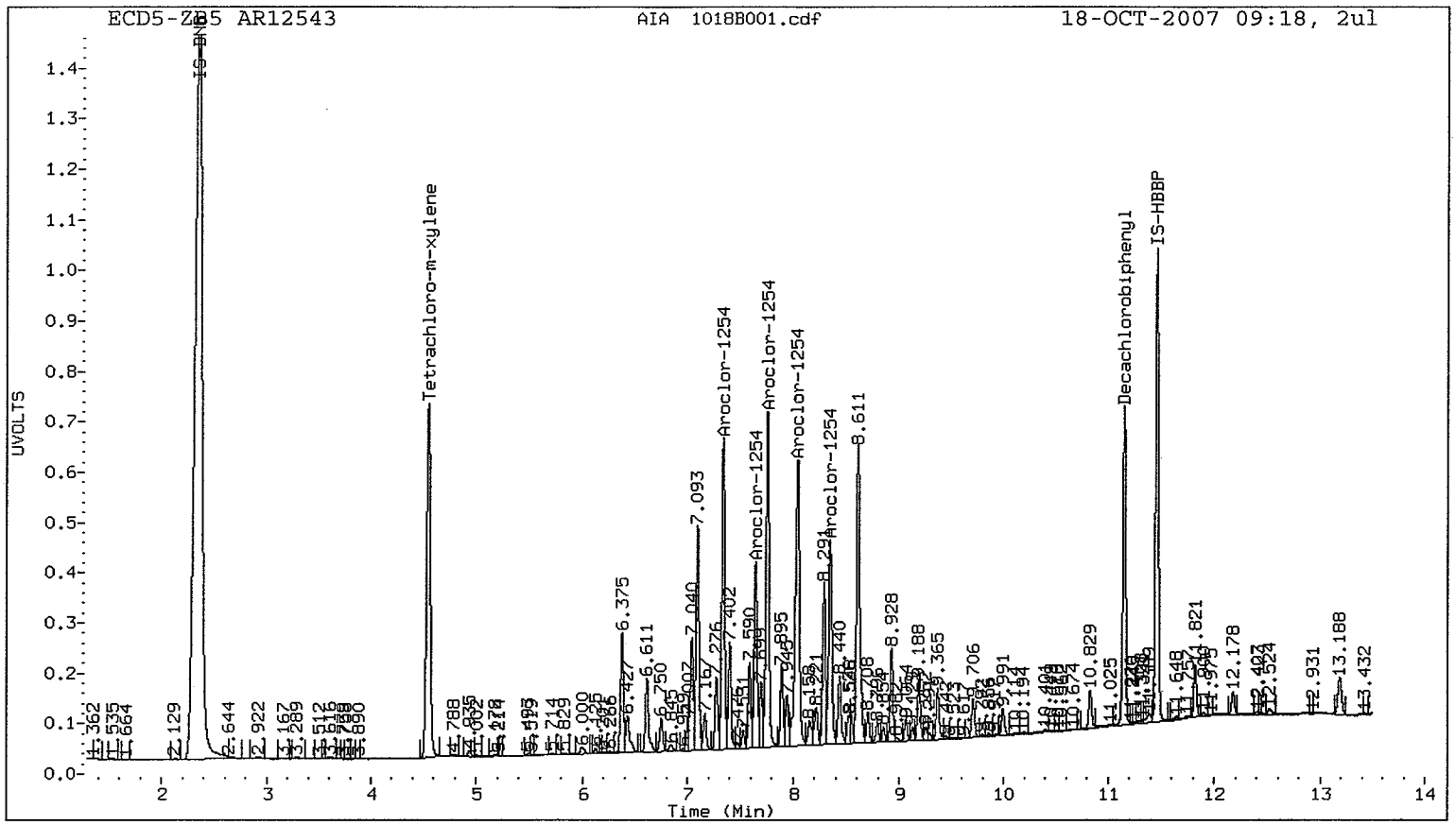
Decachlorobiphenyl
IS-HBBP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UVOLTS
Time (Min)
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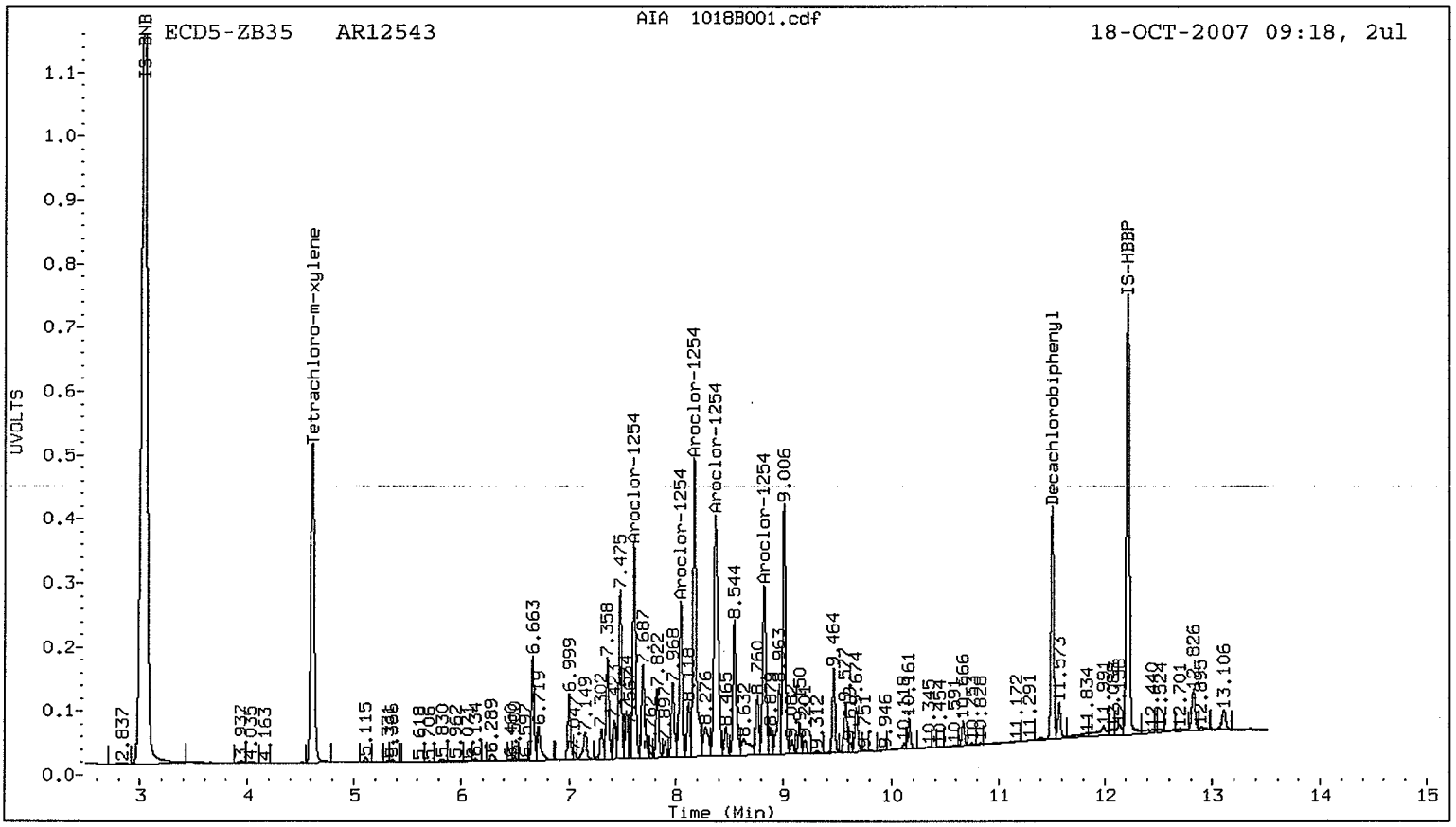
Tetrachloro-m-xylene
Aroclor-1254
Decachlorobiphenyl
IS-HBBP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Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1254
Decachlorobiphenyl
IS-HBBP

7F

PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB5 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/18/07

Lab Standard ID: AR16605 Time Analyzed :0935

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1016-1	5.70	5.60	5.80	236.1	250.0	-5.6
Aroclor-1016-2	6.00	5.89	6.09	242.5	250.0	-3.0
Aroclor-1016-3	6.11	6.00	6.20	237.2	250.0	-5.1
Aroclor-1016-4	6.36	6.26	6.46	233.0	250.0	-6.8

AVERAGE %D = 5.1

Date Analyzed :10/18/07

Lab Standard ID: AR16605 Time Analyzed :0935

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1260-1	8.78	8.68	8.88	280.0	250.0	12.0
Aroclor-1260-2	9.05	8.95	9.15	282.3	250.0	12.9
Aroclor-1260-3	9.35	9.25	9.45	285.2	250.0	14.1
Aroclor-1260-4	9.69	9.59	9.79	273.7	250.0	9.5
Aroclor-1260-5	9.84	9.74	9.94	286.0	250.0	14.4

AVERAGE %D = 12.6

7F

PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB35 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/18/07

Lab Standard ID: AR16605 Time Analyzed :0935

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1016-1	5.83	5.72	5.92	235.0	250.0	-6.0
Aroclor-1016-2	6.29	6.19	6.39	236.0	250.0	-5.6
Aroclor-1016-3	6.46	6.35	6.55	234.8	250.0	-6.1
Aroclor-1016-4	6.99	6.89	7.09	232.1	250.0	-7.2

AVERAGE %D = 6.2

Date Analyzed :10/18/07

Lab Standard ID: AR16605 Time Analyzed :0935

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1260-1	9.07	8.97	9.17	261.2	250.0	4.5
Aroclor-1260-2	9.14	9.04	9.24	260.3	250.0	4.1
Aroclor-1260-3	9.67	9.56	9.76	265.1	250.0	6.0
Aroclor-1260-4	10.11	10.00	10.20	269.3	250.0	7.7
Aroclor-1260-5	10.16	10.05	10.25	267.1	250.0	6.8

AVERAGE %D = 5.8

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1018-1.b/1018B002.d
Data file 2: 20071016.b/1018-2.b/1018B002.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1660
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR16605
Client ID:
Injection Date: 18-OCT-2007 09:35
Report Date: 10/19/2007 10:28
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
4.529	0.006	8638542	4.609	0.004	5647094	19.7	20.1	2.0	Tetrachloro-m-xylene
11.140	0.004	6209298	11.500	0.004	3292199	21.6	21.4	0.9	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	49.2	50.2
Decachlorobiphenyl	54.0	53.5

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	33472339	6.0
Hexabromobiphenyl	9983366	9053161	-9.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	21382355	5.2
Hexabromobiphenyl	6610345	6406522	-3.1

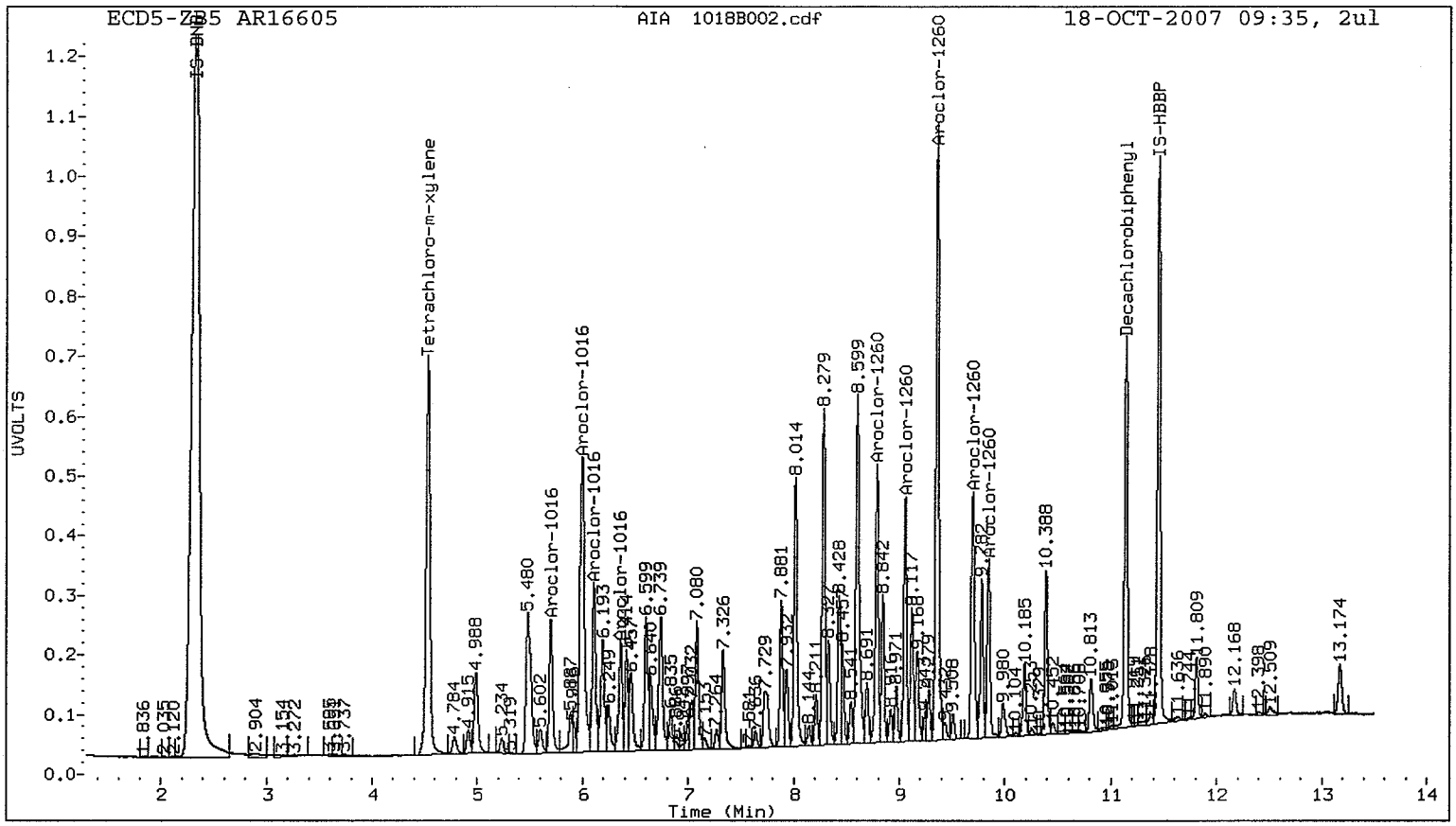
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	5.700	0.004	2494698	236.1	1	5.827	0.003	2484476	235.0
Aroclor-1016	2	5.995	0.005	7742382	242.5	2	6.295	0.002	5273184	236.0
Aroclor-1016	3	6.107	0.005	3322897	237.2	3	6.456	0.003	2094410	234.8
Aroclor-1016	4	6.362	0.005	2001432	233.0	4	6.993	0.003	1626708	232.1
Total Col1Ave (4 peaks):					237.2	Total Col2Ave (4 peaks):				234.5 RPD = 1
Corrected Ave (4 peaks):					237.2	Corrected Ave (4 peaks):				234.5 RPD = 1
Aroclor-1260	1	8.784	0.005	4541839	280.0	1	9.075	0.003	2575621	261.2
Aroclor-1260	2	9.052	0.004	3877289	282.3	2	9.144	0.004	1453417	260.3
Aroclor-1260	3	9.353	0.004	10315504	285.2	3	9.667	0.003	6238199	265.1
Aroclor-1260	4	9.694	0.004	4582701	273.7	4	10.105	0.002	1712498	269.3
Aroclor-1260	5	9.845	0.005	2965274	286.0	5	10.157	0.003	3916096	267.1
Total Col1Ave (5 peaks):					281.4	Total Col2Ave (5 peaks):				264.6 RPD = 6
Corrected Ave (5 peaks):					281.4	Corrected Ave (5 peaks):				264.6 RPD = 6

Total PCB Area Col1 (4.623 - 11.035) = 120544190 Col1 Total PCB = 0.5 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 75091630 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical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Time (Min)
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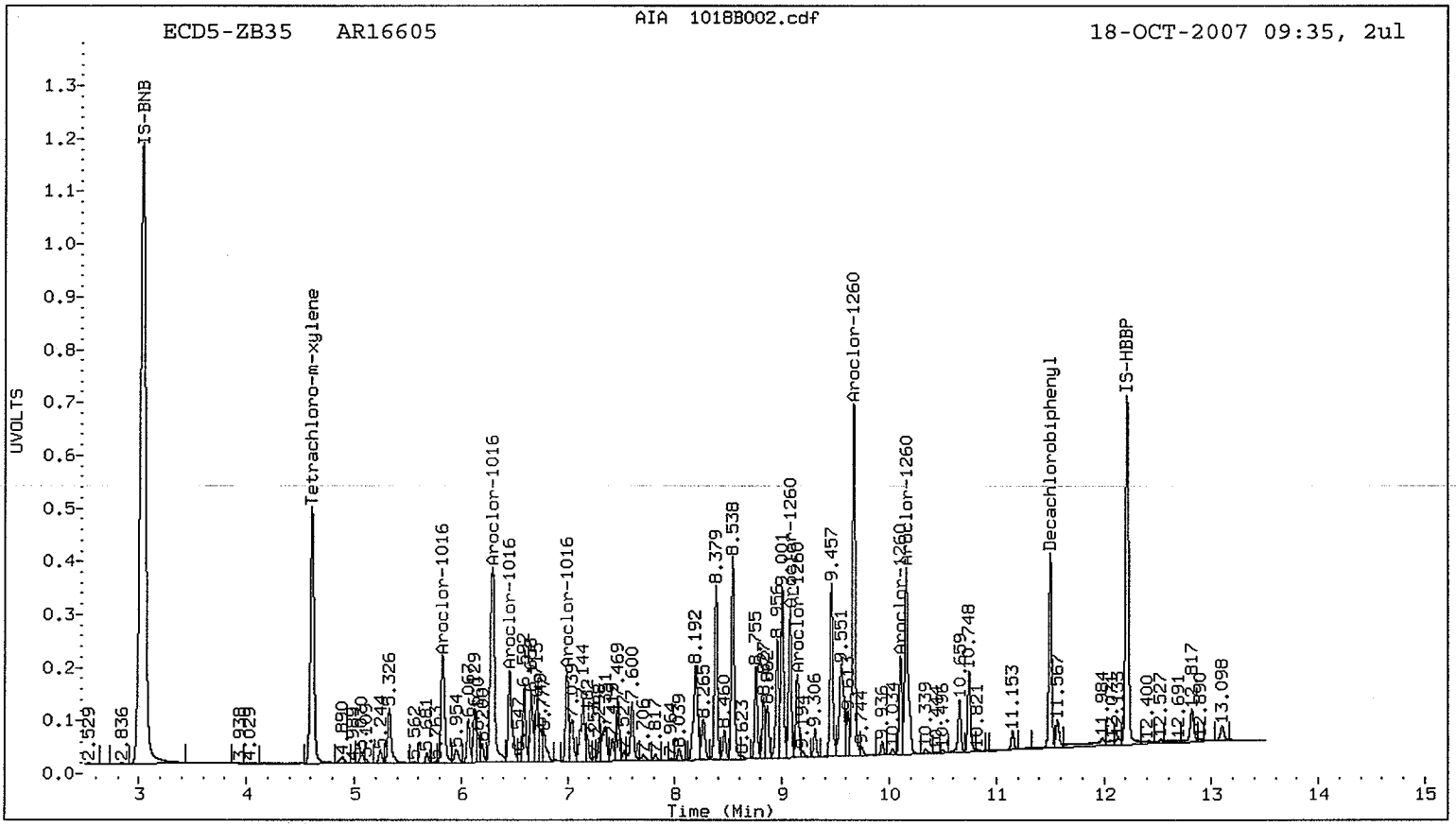
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP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IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP

7F

PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB5 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/18/07

Lab Standard ID: AR12423 Time Analyzed :1719

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1242-1	5.70	5.60	5.80	247.1	250.0	-1.2
Aroclor-1242-2	5.99	5.89	6.09	244.4	250.0	-2.2
Aroclor-1242-3	6.11	6.00	6.20	244.1	250.0	-2.3
Aroclor-1242-4	6.74	6.64	6.84	236.4	250.0	-5.4

AVERAGE %D = 2.8

7F

PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB35 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/18/07

Lab Standard ID: AR12423 Time Analyzed :1719

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1242-1	5.32	5.22	5.42	247.8	250.0	-0.9
Aroclor-1242-2	5.83	5.72	5.92	247.7	250.0	-0.9
Aroclor-1242-3	6.29	6.19	6.39	247.2	250.0	-1.1
Aroclor-1242-4	6.46	6.35	6.55	244.8	250.0	-2.1
Aroclor-1242-5	7.35	7.25	7.45	236.8	250.0	-5.3

AVERAGE %D = 2.1

FORM VII PCB

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1018-1.b/1018B029.d
Data file 2: 20071016.b/1018-2.b/1018B029.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1242
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR12423
Client ID:
Injection Date: 18-OCT-2007 17:19
Report Date: 10/19/2007 10:28
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
4.525	0.002	8509902	4.608	0.003	5577680	18.6	19.0	2.3	Tetrachloro-m-xylene
11.137	0.002	5158544	11.497	0.000	2665110	21.0	20.2	4.0	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	46.5	47.5
Decachlorobiphenyl	52.4	50.4

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	34952186	10.7
Hexabromobiphenyl	9983366	7745613	-22.4

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	22319519	9.8
Hexabromobiphenyl	6610345	5506781	-16.7

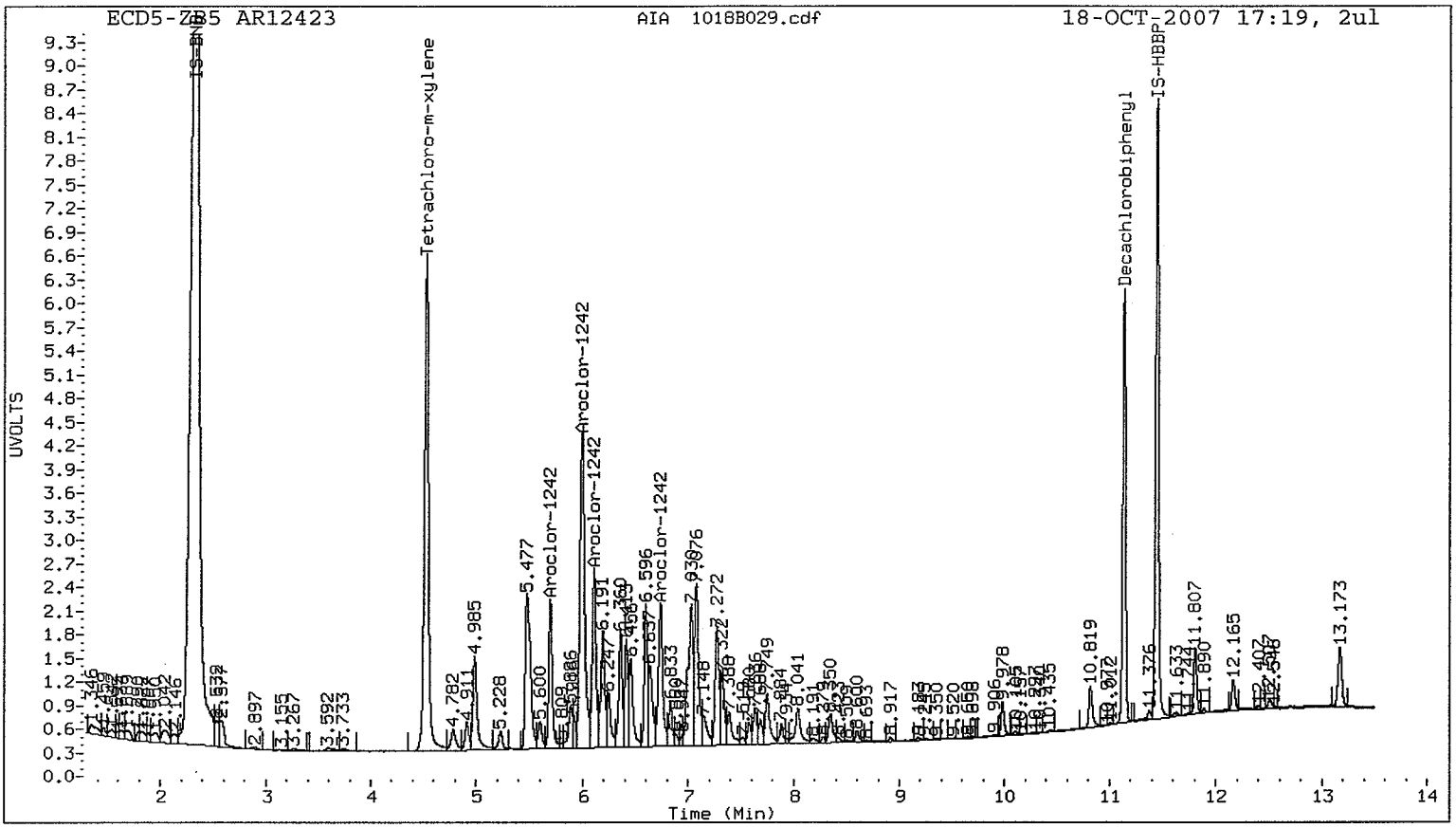
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
		ZB5 Col					ZB35 Col			
Aroclor-1242	1	5.697	0.001	2197414	247.1	1	5.324	0.001	1114362	247.8
Aroclor-1242	2	5.995	0.003	6521233	244.4	2	5.825	0.001	2179474	247.7
Aroclor-1242	3	6.106	0.002	2883333	244.1	3	6.293	0.001	4533957	247.2
Aroclor-1242	4	6.738	0.003	2672273	236.4	4	6.455	0.002	1794398	244.8
Aroclor-1242	NS	---			----	5	7.350	0.001	1662802	236.8
Total Col1Ave (4 peaks):					243.0	Total Col2Ave (5 peaks):			244.9	RPD = 1
Corrected Ave (4 peaks):					243.0	Corrected Ave (5 peaks):			244.9	RPD = 1

Total PCB Area Col1 (4.623 - 11.035) = 49906325 Col1 Total PCB = 0.2 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 32713313 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical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Time (Min)
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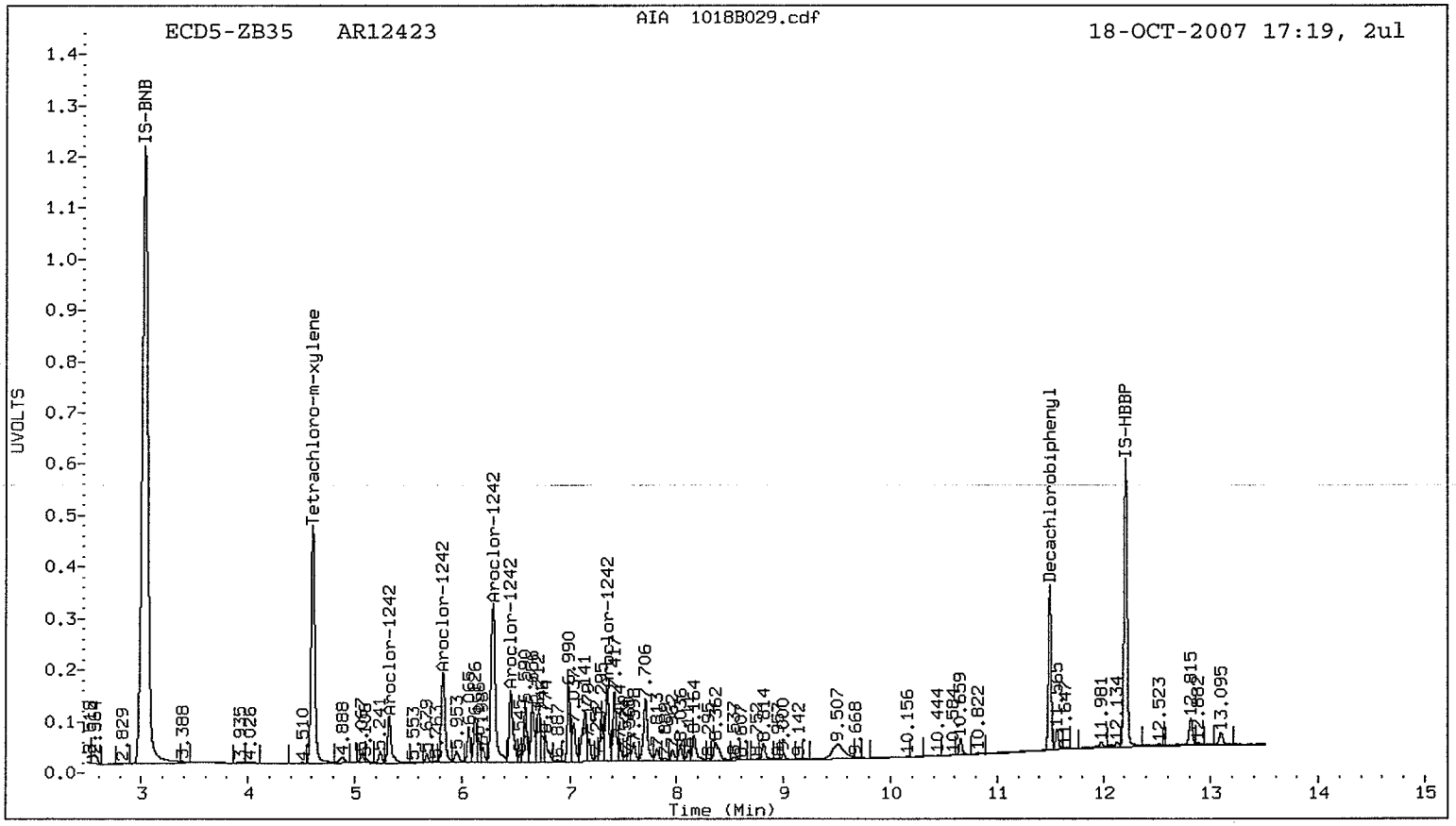
Tetrachloro-m-xylene
Aroclor-1242
Decachlorobiphenyl
IS-HBBP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Time (Min)
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Tetrachloro-m-xylene
Aroclor-1242
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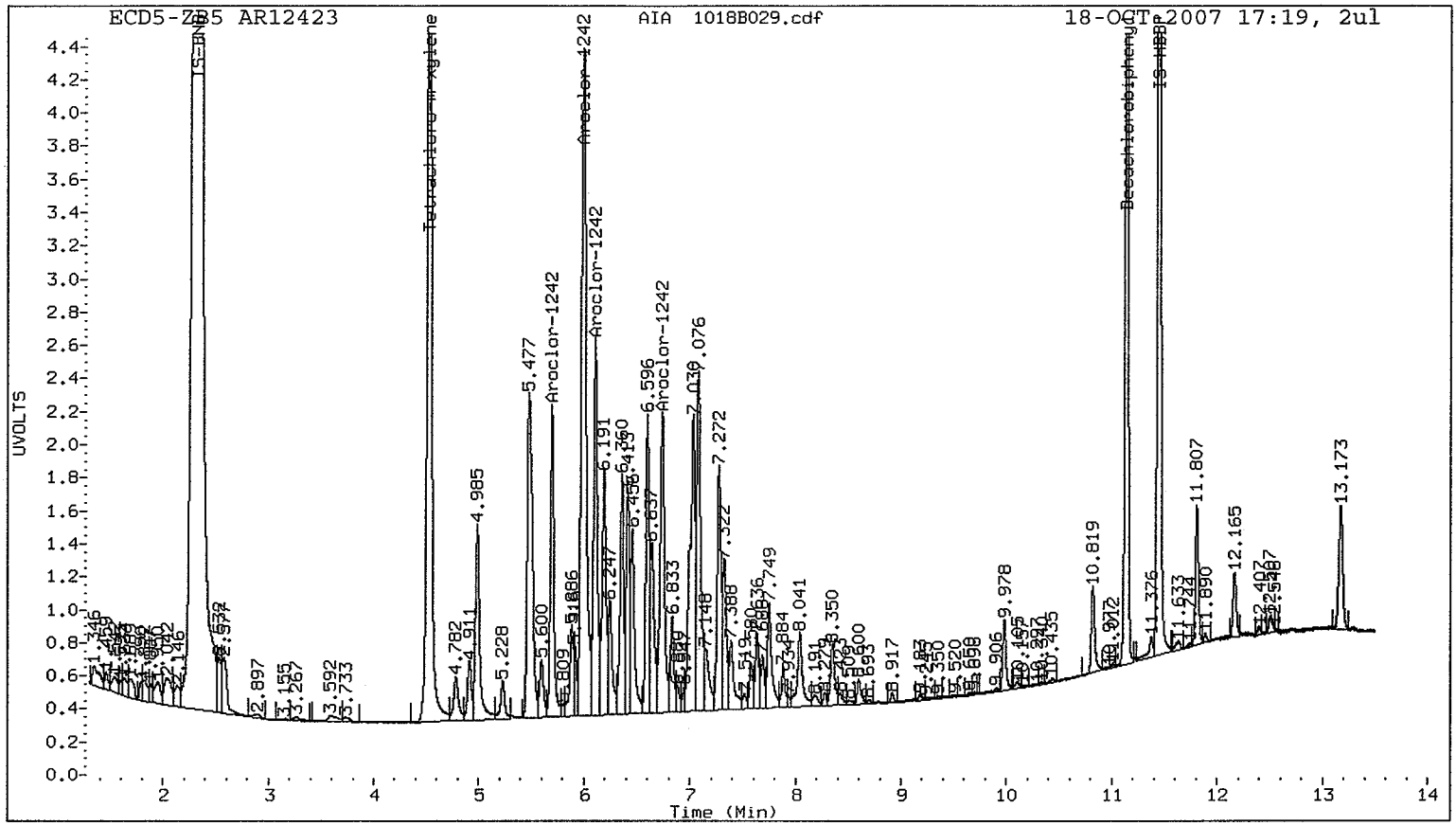
IS-HBBP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Time (Min)
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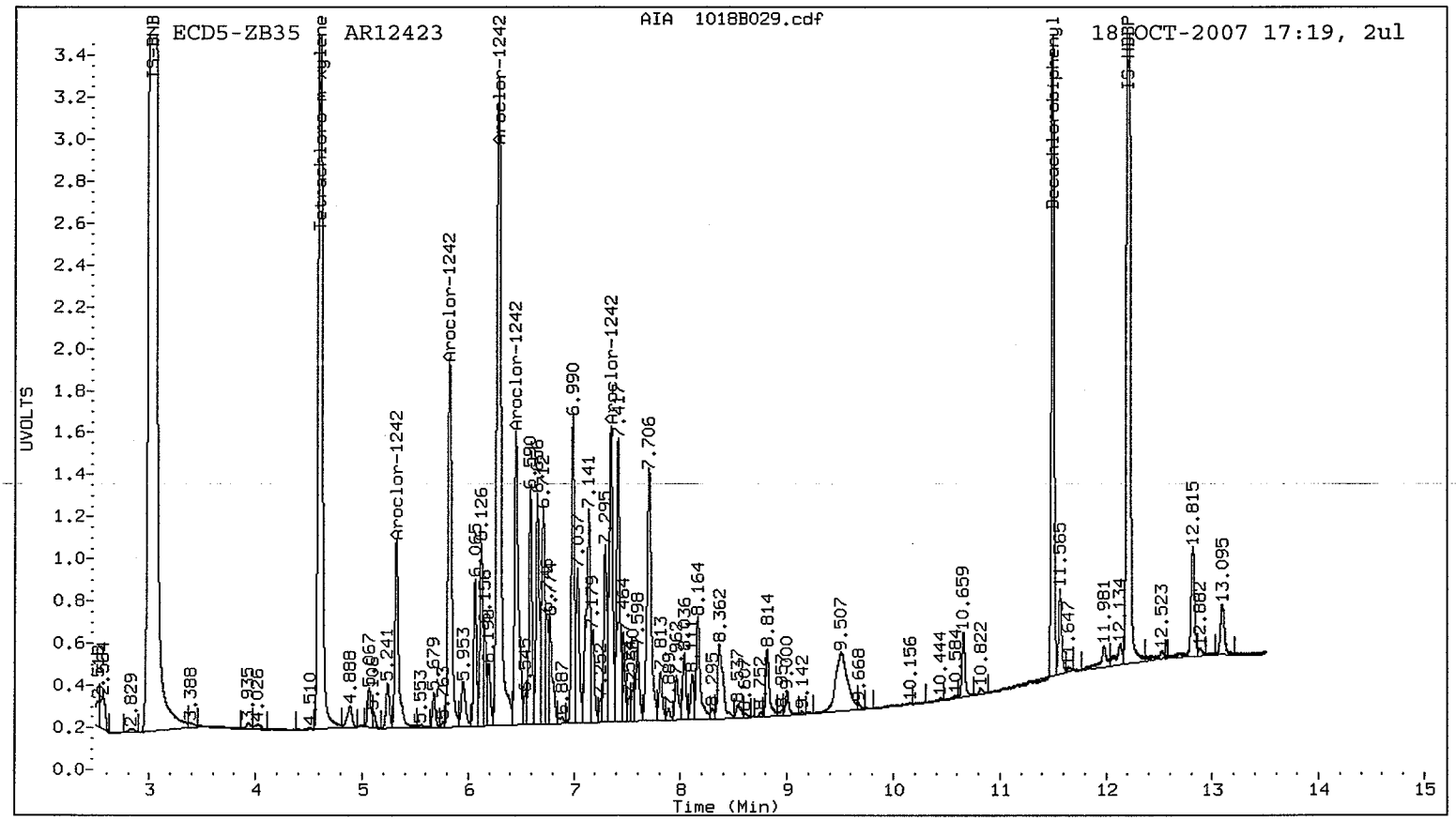
Tetrachloro-m-xylene
Aroclor-1242
Decachlorobiphenyl
IS-HBBP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UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1242
Decachlorobiphenyl
IS-HBBP

7F

PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB5 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/18/07

Lab Standard ID: AR16606 Time Analyzed :1736

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D	
Aroclor-1016-1	5.70	5.60	5.80	242.6	250.0	-2.9	
Aroclor-1016-2	5.99	5.89	6.09	244.8	250.0	-2.1	
Aroclor-1016-3	6.11	6.00	6.20	242.9	250.0	-2.8	
Aroclor-1016-4	6.36	6.26	6.46	237.6	250.0	-5.0	

AVERAGE %D = 3.2

Date Analyzed :10/18/07

Lab Standard ID: AR16606 Time Analyzed :1736

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D	
Aroclor-1260-1	8.78	8.68	8.88	314.6	250.0	25.8	<-
Aroclor-1260-2	9.05	8.95	9.15	311.8	250.0	24.7	
Aroclor-1260-3	9.35	9.25	9.45	316.2	250.0	26.5	<-
Aroclor-1260-4	9.69	9.59	9.79	298.6	250.0	19.4	
Aroclor-1260-5	9.84	9.74	9.94	313.9	250.0	25.6	<-

AVERAGE %D = 24.4

7F
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

GC Column: ZB35 Intrument: ECD5

Init. Calib. Date: 10/16/07

Date Analyzed :10/18/07

Lab Standard ID: AR16606 Time Analyzed :1736

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1016-1	5.82	5.72	5.92	236.3	250.0	-5.5
Aroclor-1016-2	6.29	6.19	6.39	237.5	250.0	-5.0
Aroclor-1016-3	6.45	6.35	6.55	235.9	250.0	-5.6
Aroclor-1016-4	6.99	6.89	7.09	229.7	250.0	-8.1

AVERAGE %D = 6.1

Date Analyzed :10/18/07

Lab Standard ID: AR16606 Time Analyzed :1736

COMPOUND/PEAK NO.	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Aroclor-1260-1	9.07	8.97	9.17	300.7	250.0	20.3
Aroclor-1260-2	9.14	9.04	9.24	295.9	250.0	18.4
Aroclor-1260-3	9.66	9.56	9.76	292.3	250.0	16.9
Aroclor-1260-4	10.10	10.00	10.20	292.1	250.0	16.8
Aroclor-1260-5	10.15	10.05	10.25	294.9	250.0	18.0

AVERAGE %D = 18.1

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1018-1.b/1018B030.d
Data file 2: 20071016.b/1018-2.b/1018B030.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: AR1660
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: AR16606
Client ID:
Injection Date: 18-OCT-2007 17:36
Report Date: 10/19/2007 10:28
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.523	0.000	8886695	4.605	0.000	5958273	19.7	20.1	2.1	Tetrachloro-m-xylene
11.136	0.001	5514455	11.496	-0.001	2927280	22.3	22.2	0.5	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	49.3	50.3
Decachlorobiphenyl	55.7	55.4

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	34420131	9.0
Hexabromobiphenyl	9983366	7800988	-21.9

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	22516899	10.8
Hexabromobiphenyl	6610345	5502565	-16.8

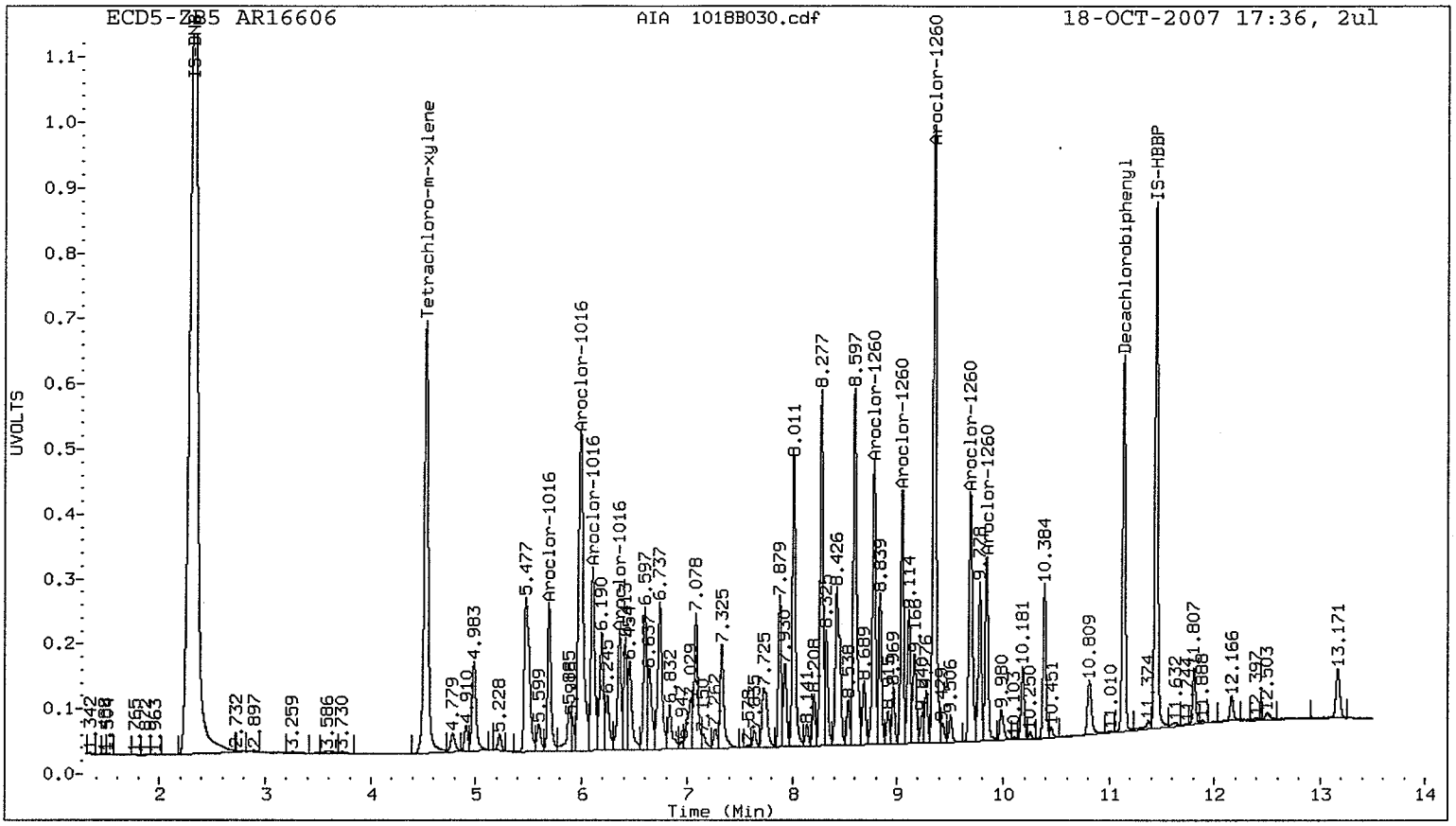
* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	5.696	0.001	2636076	242.6	1	5.824	-0.001	2630818	236.3
Aroclor-1016	2	5.994	0.003	8038629	244.8	2	6.293	0.000	5588643	237.5
Aroclor-1016	3	6.105	0.002	3499419	242.9	3	6.453	0.000	2216491	235.9
Aroclor-1016	4	6.358	0.001	2099156	237.6	4	6.990	0.000	1695288	229.7
Total Col1Ave (4 peaks):					242.0	Total Col2Ave (4 peaks):				234.9 RPD = 3
Corrected Ave (4 peaks):					242.0	Corrected Ave (4 peaks):				234.9 RPD = 3
Aroclor-1260	1	8.781	0.002	4398243	314.6	1	9.072	0.000	2546767	300.7
Aroclor-1260	2	9.050	0.002	3690674	311.8	2	9.141	0.001	1419078	295.9
Aroclor-1260	3	9.351	0.002	9854170	316.2	3	9.664	0.000	5909274	292.3
Aroclor-1260	4	9.691	0.001	4308050	298.6	4	10.102	-0.001	1595890	292.1
Aroclor-1260	5	9.841	0.001	2804634	313.9	5	10.154	0.000	3714176	294.9
Total Col1Ave (5 peaks):					311.0	Total Col2Ave (5 peaks):				295.2 RPD = 5
Corrected Ave (5 peaks):					311.0	Corrected Ave (5 peaks):				295.2 RPD = 5

Total PCB Area Col1 (4.623 - 11.035) = 119630494 Col1 Total PCB = 0.5 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 75516313 Col2 Total PCB = 0.5 ppm*

* Quantitated against AR1660 0.25ppm in Ical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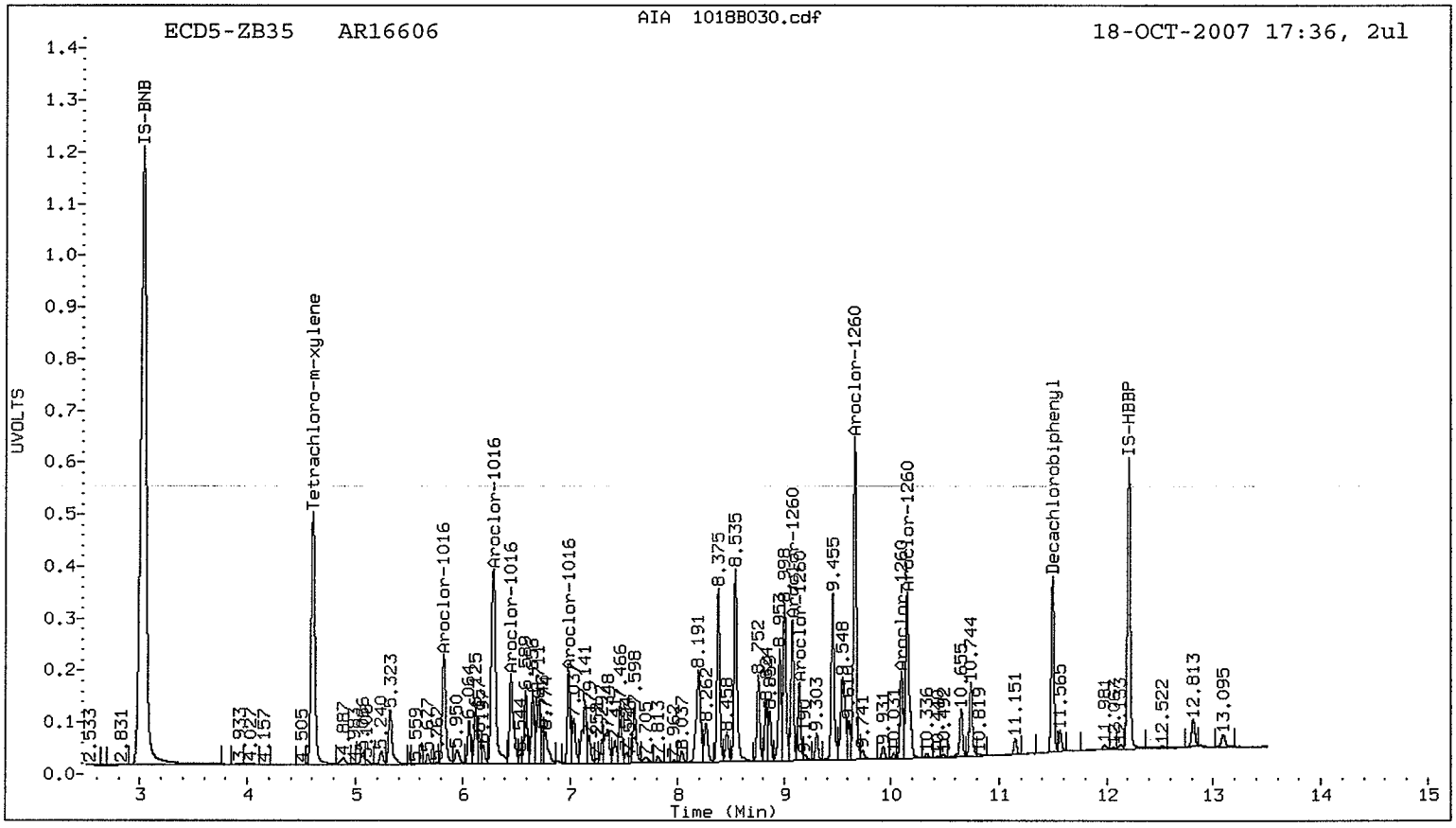
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP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AIA 1018B030.cdf
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UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1260
Decachlorobiphenyl
IS-HBBP

PCB Analysis
Raw QC Data

prepared
for

ANCHOR ENVIRONMENTAL

Project : KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: MB-101107
METHOD BLANK

Lab Sample ID: MB-101107
LIMS ID: 07-20768
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: NA
Date Received: NA

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 09:13
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.0 g
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: NA

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	4.0	< 4.0 U
53469-21-9	Aroclor 1242	4.0	< 4.0 U
12672-29-6	Aroclor 1248	4.0	< 4.0 U
11097-69-1	Aroclor 1254	4.0	< 4.0 U
11096-82-5	Aroclor 1260	4.0	< 4.0 U
11104-28-2	Aroclor 1221	4.0	< 4.0 U
11141-16-5	Aroclor 1232	4.0	< 4.0 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	95.8%
Tetrachlorometaxylene	81.5%

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B003.d
Data file 2: 20071016.b/1017-2.b/1017B003.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71MBS1
Client ID: LR71MBS1
Injection Date: 17-OCT-2007 09:13
Report Date: 10/17/2007 13:48
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
4.526	0.003	12564873	4.608	0.003	7993361	32.6	29.6	9.5	Tetrachloro-m-xylene
11.138	0.003	11464716	11.499	0.003	6218471	36.0	38.3	6.4	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	81.4	74.1
Decachlorobiphenyl	89.9	95.8

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	29444181	-6.7
Hexabromobiphenyl	9983366	10041602	0.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	20520625	1.0
Hexabromobiphenyl	6610345	6754471	2.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	5.698	0.003	73629	7.9	1	5.785	-0.040	66942	6.6
Aroclor-1016	2	6.035	0.044	62564	2.2	2	6.336	0.043	126195	5.9
Aroclor-1016	3	6.146	0.043	179979	14.6	3	6.447	-0.007	61493	7.2
Aroclor-1016	4	6.350	-0.007	114936	15.2	4	6.988	-0.002	14689	2.2
Total Col1Ave (4 peaks):					10.0	Total Col2Ave (4 peaks):				5.5 RPD = 59*
Corrected Ave (4 peaks):					10.0	Corrected Ave (4 peaks):				5.5 RPD = 59*
Aroclor-1221	1	---			0.0	1	5.111	0.045	96217	28.8
Aroclor-1221	2	---			0.0	2	5.296	0.056	128628	66.8
Aroclor-1221	3	---			0.0	3	---			0.0
Aroclor-1221	NS	---			----	4	5.785	-0.052	66942	28.2
Col1Ave: <3 Quant Peaks						Col2Ave: 41.3				
Aroclor-1232	1	4.918	-0.066	464779	60.6	1	5.296	-0.027	128628	25.8
Aroclor-1232	2	5.698	0.003	73629	17.6	2	5.785	-0.041	66942	13.4
Aroclor-1232	3	6.035	0.044	62564	5.0	3	6.336	0.043	126195	13.3
Aroclor-1232	4	6.146	0.042	179979	31.9	4	6.598	0.008	52844	22.3
Total Col1Ave (4 peaks):					28.8	Total Col2Ave (4 peaks):				18.7 RPD = 42*
Corrected Ave (3 peaks):					18.2	Corrected Ave (4 peaks):				18.7 RPD = 3
Aroclor-1242	1	5.698	0.003	73629	9.8	1	5.296	-0.027	128628	31.1
Aroclor-1242	2	6.035	0.043	62564	2.8	2	5.785	-0.039	66942	8.3
Aroclor-1242	3	6.146	0.042	179979	18.1	3	6.336	0.043	126195	7.5
Aroclor-1242	4	6.760	0.025	92955	9.8	4	6.447	-0.007	61493	9.1
Aroclor-1242	NS	---			----	5	7.353	0.004	19028	2.9
Total Col1Ave (4 peaks):					10.1	Total Col2Ave (5 peaks):				11.8 RPD = 15
Corrected Ave (3 peaks):					7.5	Corrected Ave (4 peaks):				7.0 RPD = 7
Aroclor-1248	1	6.035	0.043	62564	3.8	1	6.336	0.045	126195	10.0
Aroclor-1248	2	6.146	0.041	179979	28.8	2	6.598	-0.058	52844	7.5
Aroclor-1248	3	6.350	-0.008	114936	11.8	3	6.988	-0.002	14689	1.8
Aroclor-1248	4	6.760	0.024	92955	6.5	4	7.353	0.004	19028	1.7
Aroclor-1248	5	7.125	0.051	140345	7.4	NS	---			----
Total Col1Ave (5 peaks):					11.7	Total Col2Ave (4 peaks):				5.2 RPD = 76*
Corrected Ave (4 peaks):					7.4	Corrected Ave (3 peaks):				3.7 RPD = 67*
Aroclor-1254	1	7.322	-0.001	379136	18.1	1	7.608	0.011	13114	1.1
Aroclor-1254	2	7.636	0.004	64181	5.0	2	8.086	0.050	22332	2.5
Aroclor-1254	3	7.696	-0.048	50795	2.0	3	8.142	-0.020	41626	2.2
Aroclor-1254	4	8.002	-0.030	115942	4.2	4	8.368	0.004	54125	2.8
Aroclor-1254	5	8.335	-0.001	112035	6.9	5	8.812	-0.005	14266	1.3
Total Col1Ave (5 peaks):					7.2	Total Col2Ave (5 peaks):				2.0 RPD = 114*
Corrected Ave (4 peaks):					4.5	Corrected Ave (5 peaks):				2.0 RPD = 78*
Aroclor-1260	1	8.781	0.001	83499	4.6	1	9.022	-0.050	436543	42.0
Aroclor-1260	2	8.999	-0.050	53435	3.5	2	9.150	0.010	11741	2.0
Aroclor-1260	3	9.406	0.057	888609	22.1	3	---			0.0
Aroclor-1260	4	9.650	-0.040	22796	1.2	4	10.077	-0.026	393697	58.7
Aroclor-1260	5	9.906	0.066	28012	2.4	5	---			0.0
Total Col1Ave (5 peaks):					6.8	Total Col2Ave (3 peaks):				34.2 RPD = 134*
Corrected Ave (4 peaks):					3.0	Corrected Ave: < 3 Peaks				
Aroclor-1262	1	9.099	0.049	46310	2.3	1	9.022	-0.052	436543	25.7
Aroclor-1262	2	9.406	0.055	888609	17.2	2	---			0.0
Aroclor-1262	3	9.650	-0.040	22796	1.4	3	10.077	-0.025	393697	29.7
Aroclor-1262	4	9.906	0.065	28012	1.2	4	---			0.0
Aroclor-1262	5	10.394	0.008	205296	12.0	5	10.824	0.079	68816	6.9
Total Col1Ave (5 peaks):					6.8	Total Col2Ave (3 peaks):				20.8 RPD = 101*
Corrected Ave (3 peaks):					1.6	Corrected Ave (3 peaks):				20.8 RPD = 171*
Aroclor-1268	1	9.771	-0.007	11567	0.2	1	10.077	-0.024	393697	12.6
Aroclor-1268	2	---			0.0	2	---			0.0
Aroclor-1268	3	10.106	-0.055	89215	1.9	3	10.444	-0.049	19735	0.8
Aroclor-1268	4	10.818	0.019	859811	7.0	4	11.167	0.016	11162	0.2

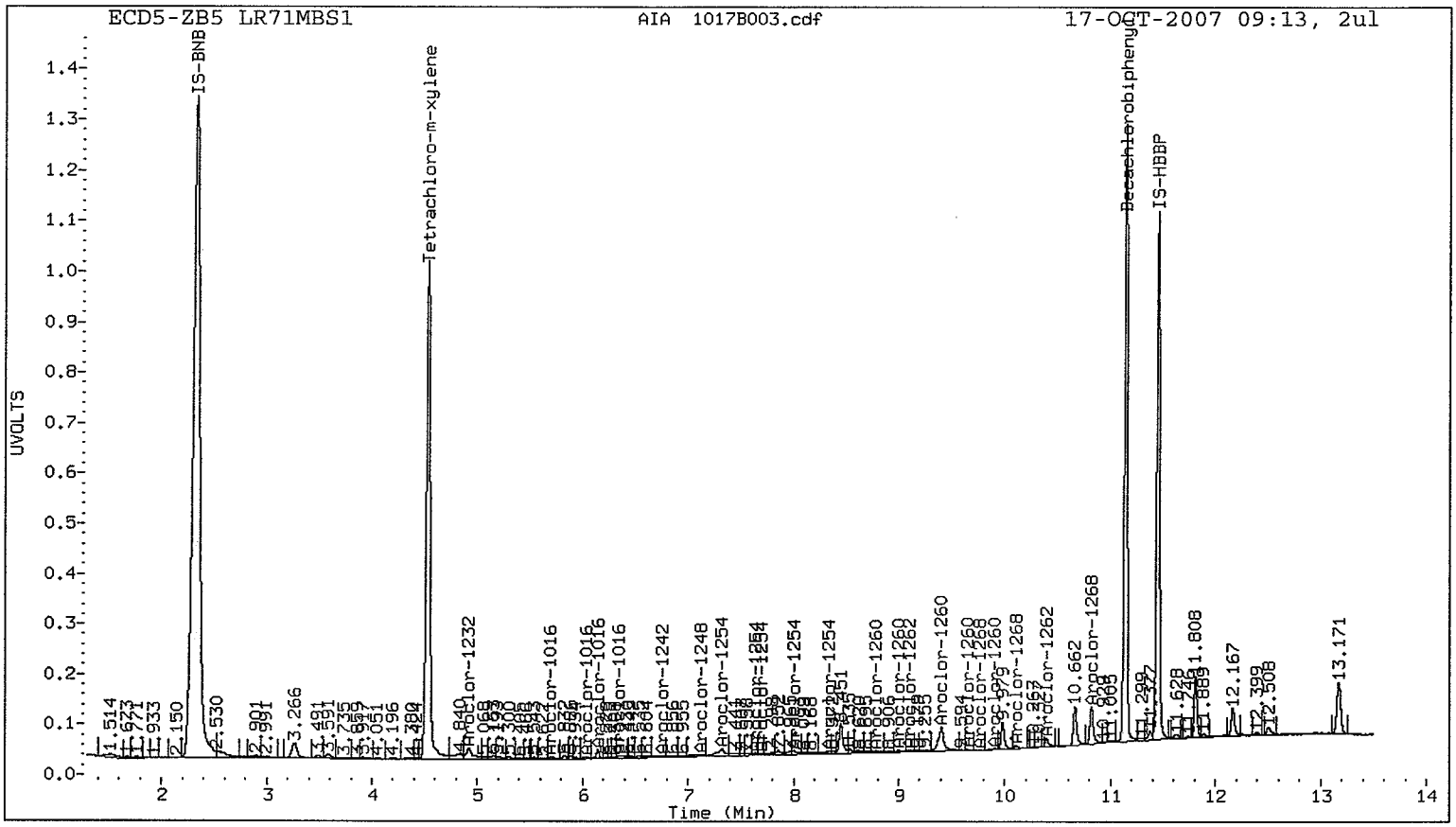
Total Col1Ave (3 peaks): 3.1 Total Col2Ave (3 peaks): 4.5 RPD = 39
Corrected Ave: < 3 Peaks Corrected Ave: < 3 Peaks

Total PCB Area Col1 (4.623 - 11.035) = 8855491 Col1 Total PCB = 0.0 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 5333417 Col2 Total PCB = 0.0 ppm*

* Quantitated against AR1660 0.25ppm in Ical

PCB-Form 10 Mod.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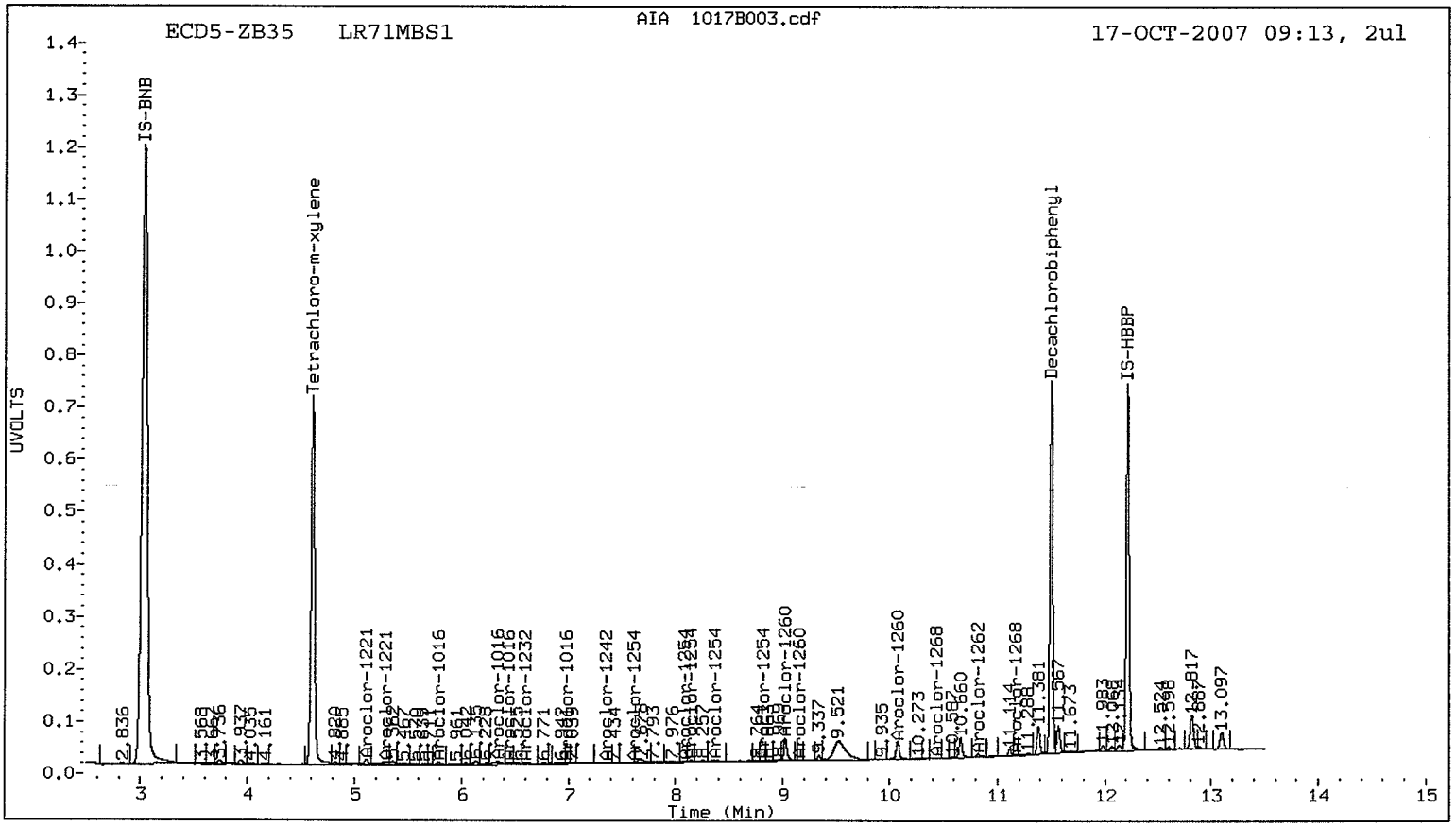
17-OCT-2007 09:13, 2ul
IS-BNB
Tetrachloro-m-xylene
Decachlorobiphenyl
IS-HBBP
UVOLTS
Time (Min)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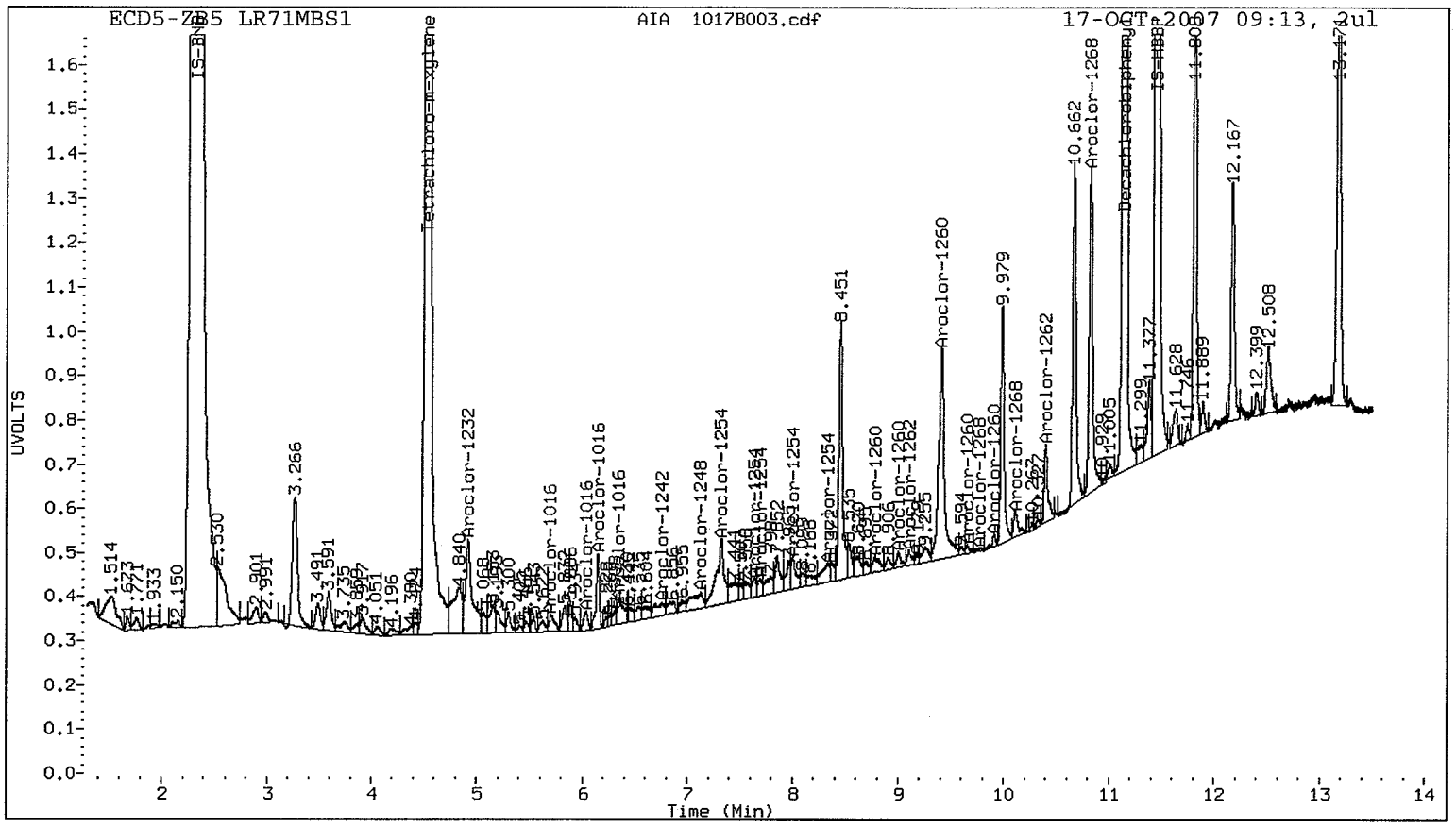
Tetrachloro-m-xylene
Decachlorobiphenyl
IS-HBBP
UVOLTS
Time (Min)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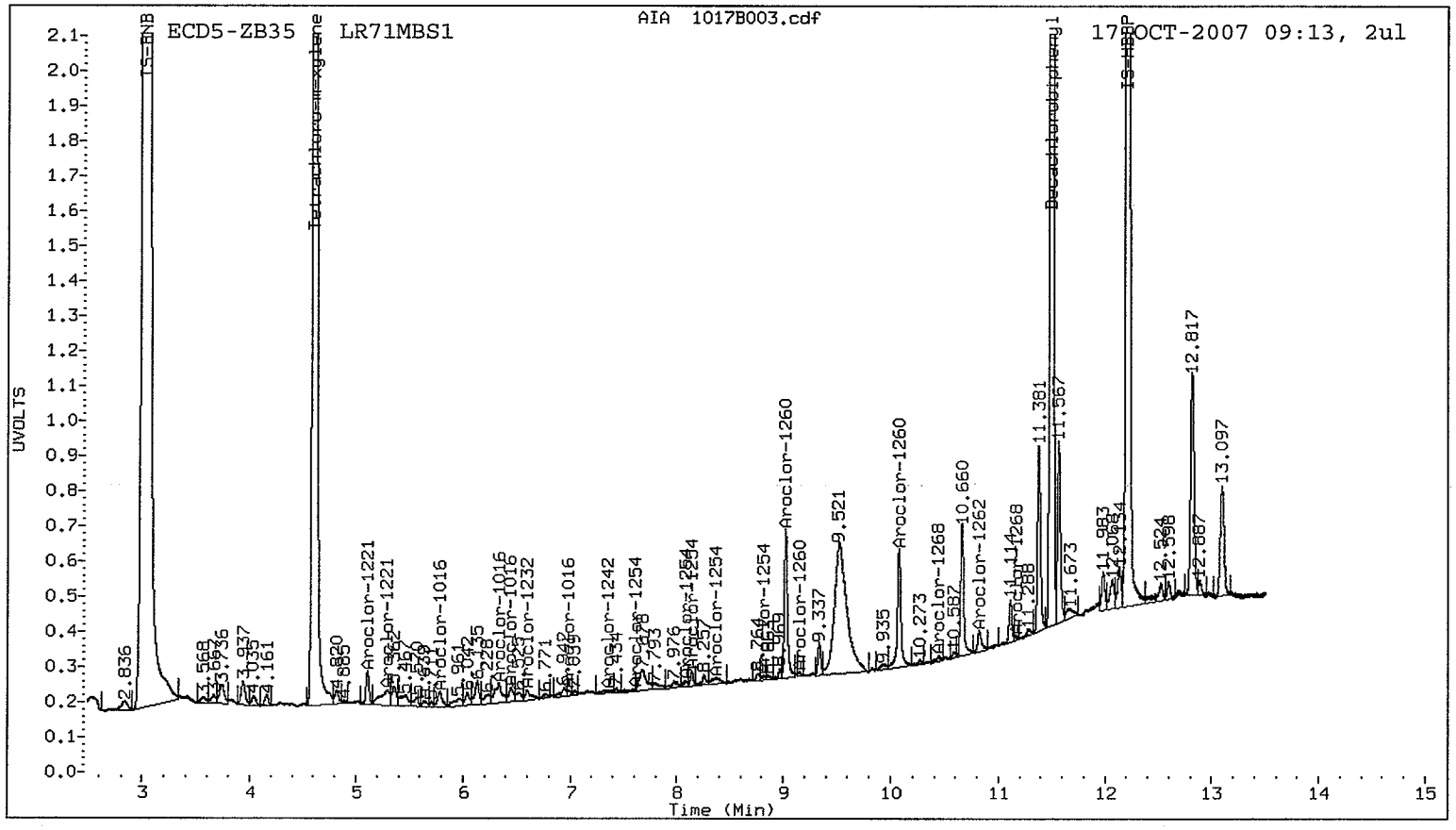
UVOLTS
Time (Min)
IS-DNB
Tetrachloro-m-xylene
Aroclor-1232
Aroclor-1016
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP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17-OCT-2007 09:13, 2ul
UVOLTS
Time (Min)
IS-DNB
Tetrachloro-m-xylene
Aroclor-1221
Aroclor-1016
Aroclor-1232
Aroclor-1242
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B004.d
Data file 2: 20071016.b/1017-2.b/1017B004.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71LCSS1
Client ID: LR71LCSS1
Injection Date: 17-OCT-2007 09:30
Report Date: 10/17/2007 13:48
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.524	0.001	13122610	4.607	0.001	8537480	33.0	31.4	5.0	Tetrachloro-m-xylene
11.136	0.000	11475205	11.497	0.001	6221052	35.6	38.4	7.4	Decachlorobiphenyl

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	82.5	78.5
Decachlorobiphenyl	89.1	95.9

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	30348589	-3.9
Hexabromobiphenyl	9983366	10141332	1.6

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	20690521	1.8
Hexabromobiphenyl	6610345	6753305	2.2

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

		ZB5 Col				ZB35 Col			
Aroclor	Peak#	RT	Shift	Area	Amount	Peak#	RT	Shift	Area	Amount
Aroclor-1016	1	5.697	0.001	3410024	356.0	1	5.826	0.001	3420922	334.4
Aroclor-1016	2	5.992	0.002	10358828	357.8	2	6.293	0.000	7299589	337.6
Aroclor-1016	3	6.105	0.002	4457884	350.9	3	6.454	0.001	2858411	331.1
Aroclor-1016	4	6.358	0.002	2756358	353.9	4	6.992	0.002	2287594	337.3
Total Col1Ave (4 peaks):					354.6	Total Col2Ave (4 peaks):				335.1 RPD = 6
Corrected Ave (4 peaks):					354.6	Corrected Ave (4 peaks):				335.1 RPD = 6
Aroclor-1221	1	4.781	-0.002	758104	181.2	1	5.067	0.001	317402	94.3
Aroclor-1221	2	4.911	0.002	763325	273.9	2	5.242	0.002	409492	211.1
Aroclor-1221	3	4.984	-0.002	2587778	274.9	3	5.324	0.001	1766612	298.6
Aroclor-1221	NS	---			----	4	5.826	-0.011	3420922	1430.3
Total Col1Ave (3 peaks):					243.3	Total Col2Ave (4 peaks):				508.6 RPD = 71*
Corrected Ave (3 peaks):					243.3	Corrected Ave (3 peaks):				201.3 RPD = 19
Aroclor-1232	1	4.984	0.000	2587778	327.5	1	5.324	0.001	1766612	351.8
Aroclor-1232	2	5.697	0.001	3410024	792.1	2	5.826	0.000	3420922	678.7
Aroclor-1232	3	5.992	0.002	10358828	807.7	3	6.293	-0.001	7299589	765.7
Aroclor-1232	4	6.105	0.001	4457884	765.5	4	6.590	0.001	1756016	735.6
Total Col1Ave (4 peaks):					673.2	Total Col2Ave (4 peaks):				633.0 RPD = 6
Corrected Ave (4 peaks):					673.2	Corrected Ave (4 peaks):				633.0 RPD = 6
Aroclor-1242	1	5.697	0.001	3410024	441.6	1	5.324	0.001	1766612	423.9
Aroclor-1242	2	5.992	0.001	10358828	447.1	2	5.826	0.002	3420922	419.4
Aroclor-1242	3	6.105	0.001	4457884	434.7	3	6.293	0.000	7299589	429.4
Aroclor-1242	4	6.735	0.000	4207207	428.6	4	6.454	0.001	2858411	420.6
Aroclor-1242	NS	---			----	5	7.349	0.000	1398352	214.8
Total Col1Ave (4 peaks):					438.0	Total Col2Ave (5 peaks):				381.6 RPD = 14
Corrected Ave (4 peaks):					438.0	Corrected Ave (5 peaks):				381.6 RPD = 14
Aroclor-1248	1	5.992	0.001	10358828	612.4	1	6.293	0.002	7299589	572.3
Aroclor-1248	2	6.105	0.000	4457884	692.5	2	6.656	0.000	1782730	252.2
Aroclor-1248	3	6.358	0.001	2756358	274.6	3	6.992	0.002	2287594	275.7
Aroclor-1248	4	6.735	-0.001	4207207	284.5	4	7.349	0.000	1398352	121.7
Aroclor-1248	5	7.077	0.003	3353736	171.4	NS	---			----
Total Col1Ave (5 peaks):					407.1	Total Col2Ave (4 peaks):				305.5 RPD = 29
Corrected Ave (4 peaks):					335.7	Corrected Ave (3 peaks):				216.5 RPD = 43*
Aroclor-1254	1	7.323	0.000	3851743	178.2	1	7.599	0.001	1582130	134.2
Aroclor-1254	2	7.632	0.001	558851	42.0	2	8.036	0.000	340684	37.9
Aroclor-1254	3	7.725	-0.020	2578662	97.5	3	8.191	0.029	3479315	179.8
Aroclor-1254	4	8.010	-0.022	7154627	251.3	4	8.377	0.013	3654679	187.1
Aroclor-1254	5	8.324	-0.012	2789141	166.8	5	8.825	0.008	1458302	132.7
Total Col1Ave (5 peaks):					147.2	Total Col2Ave (5 peaks):				134.3 RPD = 9
Corrected Ave (4 peaks):					121.1	Corrected Ave (5 peaks):				134.3 RPD = 10
Aroclor-1260	1	8.780	0.001	6993691	384.9	1	9.073	0.001	3929135	378.0
Aroclor-1260	2	9.048	0.000	5995841	389.7	2	9.141	0.001	2223849	377.9
Aroclor-1260	3	9.349	0.001	17022098	420.1	3	9.664	0.001	9451058	381.0
Aroclor-1260	4	9.689	-0.001	5009014	267.1	4	10.103	-0.001	2959504	441.4
Aroclor-1260	5	9.841	0.001	3483411	299.9	5	10.154	0.000	6096290	394.4
Total Col1Ave (5 peaks):					352.3	Total Col2Ave (5 peaks):				394.5 RPD = 11
Corrected Ave (5 peaks):					352.3	Corrected Ave (5 peaks):				394.5 RPD = 11
Aroclor-1262	1	9.048	-0.001	5995841	289.8	1	9.073	-0.001	3929135	231.7
Aroclor-1262	2	9.349	-0.001	17022098	326.5	2	9.664	-0.002	9451058	301.0
Aroclor-1262	3	9.689	-0.001	5009014	314.4	3	10.103	0.000	2959504	223.6
Aroclor-1262	4	9.841	-0.001	3483411	152.3	4	10.154	-0.003	6096290	298.8
Aroclor-1262	5	10.383	-0.003	4194739	241.9	5	10.745	-0.001	2340726	233.7
Total Col1Ave (5 peaks):					265.0	Total Col2Ave (5 peaks):				257.7 RPD = 3
Corrected Ave (5 peaks):					265.0	Corrected Ave (5 peaks):				257.7 RPD = 3
Aroclor-1268	1	9.778	0.000	2830683	49.1	1	10.103	0.002	2959504	94.4
Aroclor-1268	2	9.841	0.003	3483411	63.6	2	10.154	-0.004	6096290	204.8
Aroclor-1268	3	10.180	0.019	1928832	41.6	3	10.494	0.001	108205	4.6

Aroclor-1268	4	10.805	0.005	1758683	14.2	4	11.151	0.000	590335	8.6

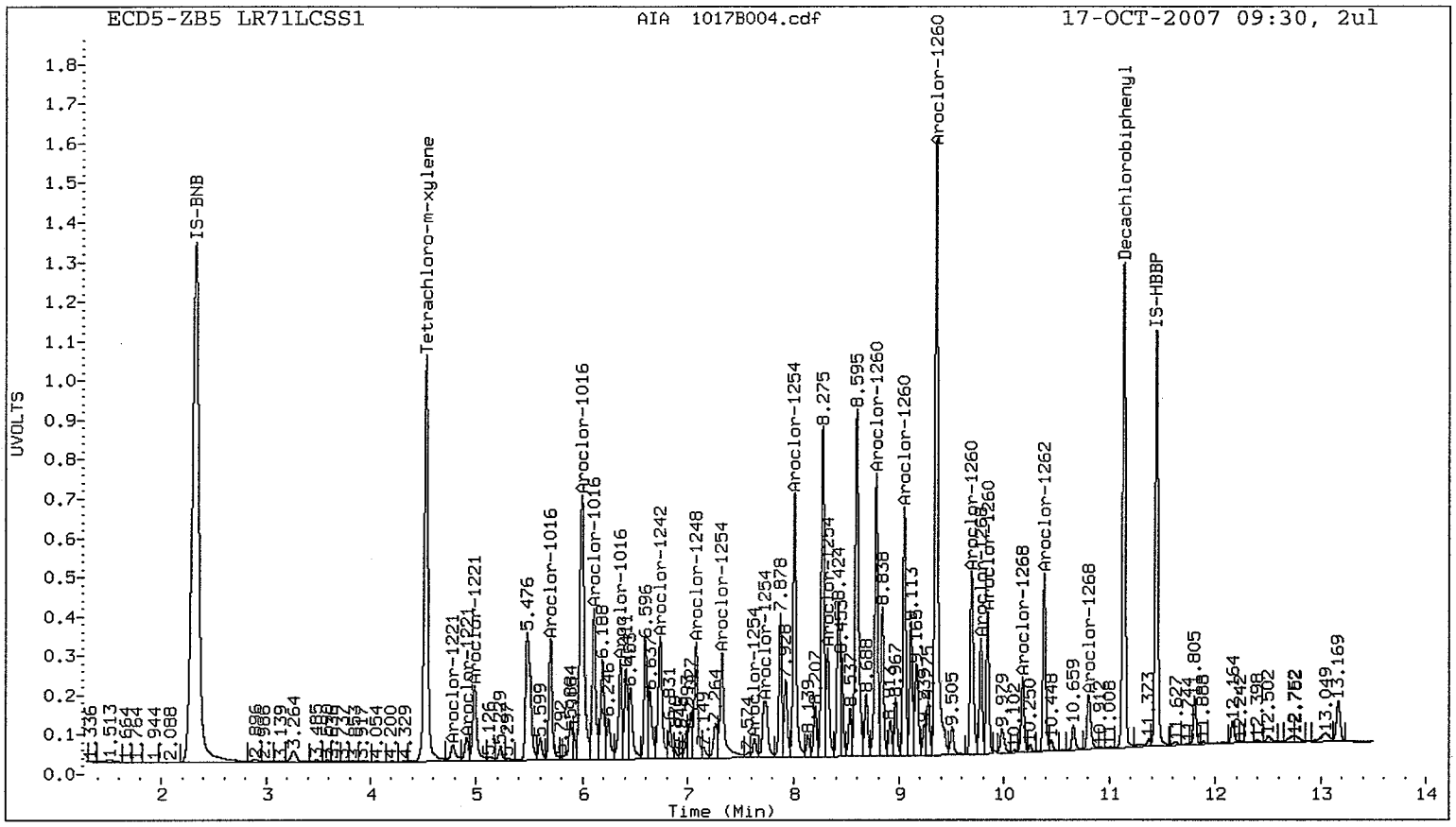
Total Col1Ave (4 peaks): 42.2 Total Col2Ave (4 peaks): 78.1 RPD = 60*

Corrected Ave (4 peaks): 42.2 Corrected Ave (3 peaks): 35.9 RPD = 16

Total PCB Area Col1 (4.623 - 11.035) = 178274060 Col1 Total PCB = 0.8 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 108534202 Col2 Total PCB = 0.7 ppm*

* Quantitated against AR1660 0.25ppm in Ical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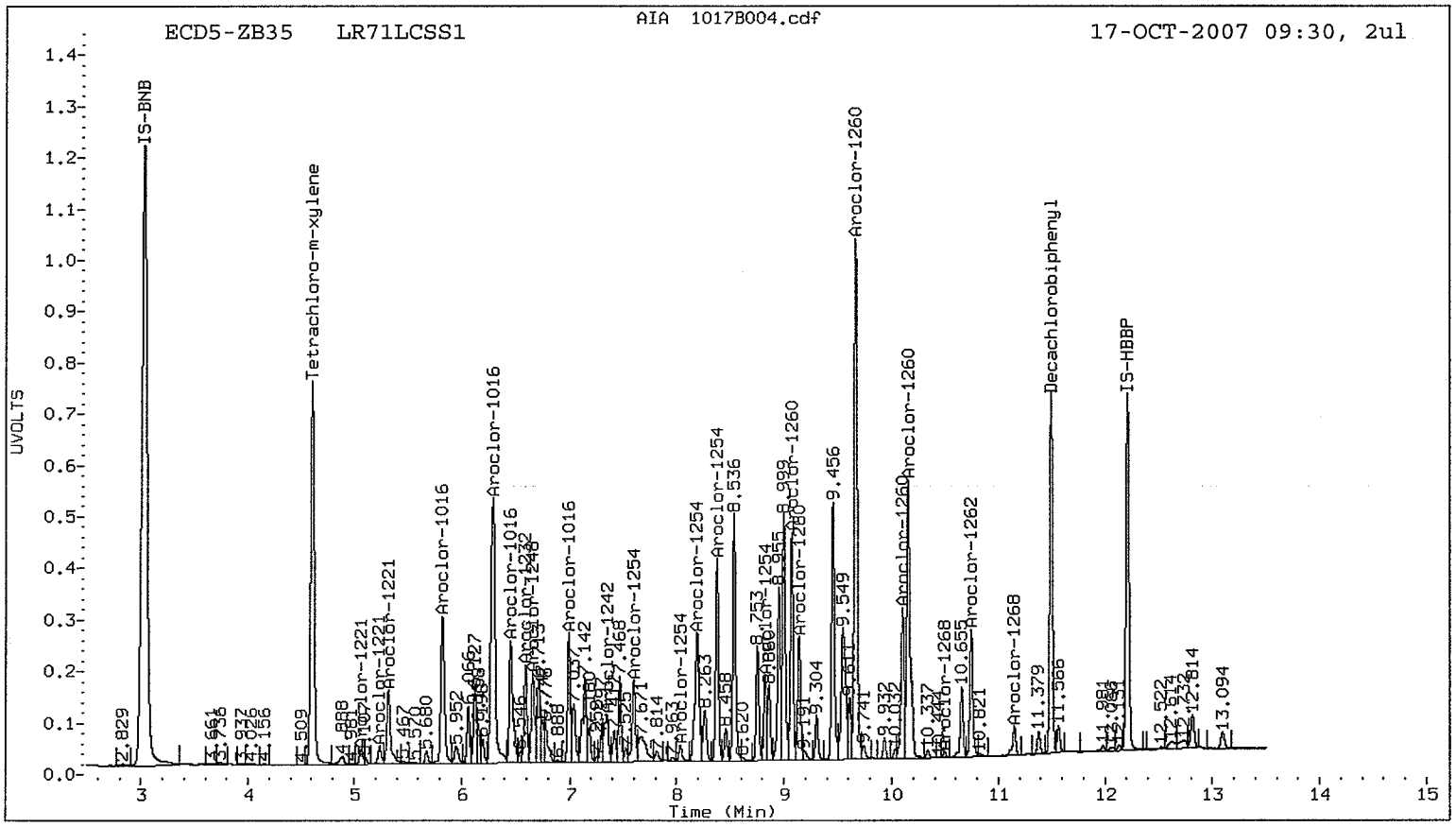
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1221
Aroclor-1016
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP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AIA 1017B004.cdf
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UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1221
Aroclor-1016
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-03-070928
MATRIX SPIKE

Lab Sample ID: LR71C
LIMS ID: 07-20768
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 12:56
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 33.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	---
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	Aroclor 1254	3.9	< 3.9 U
11096-82-5	Aroclor 1260	3.9	---
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	99.0%
Tetrachlorometaxylene	80.0%

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B016.d
Data file 2: 20071016.b/1017-2.b/1017B016.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71CMS
Client ID: AN-SS-03-070928 MS
Injection Date: 17-OCT-2007 12:56
Report Date: 10/17/2007 13:48
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.524	0.002	10793401	4.607	0.002	7552297	32.0	32.0	0.0	Tetrachloro-m-xylene MN
11.134	-0.002	9986998	11.497	0.001	5972687	36.1	39.6	9.2	Decachlorobiphenyl MN

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	80.0	80.0
Decachlorobiphenyl	90.3	99.1

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	25745709	-18.4
Hexabromobiphenyl	9983366	8704641	-12.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	17951609	-11.7
Hexabromobiphenyl	6610345	6275679	-5.1

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	ZB5 Col Area	Amount	Peak#	RT	Shift	ZB35 Col Area	Amount
Aroclor-1016	1	5.693	-0.002	3678533	452.7	1	5.823	-0.002	2766913	311.8
Aroclor-1016	2	5.986	-0.005	8466337	344.7	2	6.293	0.001	5813459	309.9
Aroclor-1016	3	6.100	-0.003	3149455	292.2	3	6.452	-0.001	2149981	287.1
Aroclor-1016	4	6.354	-0.003	2673599	404.6	4	6.990	0.000	2137397	363.3
Total Col1Ave (4 peaks):					373.6	Total Col2Ave (4 peaks):				318.0 RPD = 16
Corrected Ave (4 peaks):					373.6	Corrected Ave (4 peaks):				318.0 RPD = 16
Aroclor-1221	1	4.777	-0.006	456566	128.7	1	5.065	-0.001	341962	117.1
Aroclor-1221	2	4.906	-0.003	504792	213.5	2	5.235	-0.005	338271	200.9
Aroclor-1221	3	4.983	-0.003	2137998	267.8	3	5.321	-0.002	1808511	352.4
Aroclor-1221	NS	---			----	4	5.823	-0.014	2766913	1333.4
Total Col1Ave (3 peaks):					203.3	Total Col2Ave (4 peaks):				500.9 RPD = 85*
Corrected Ave (3 peaks):					203.3	Corrected Ave (3 peaks):				223.5 RPD = 9
Aroclor-1232	1	4.983	-0.001	2137998	319.0	1	5.321	-0.002	1808511	415.1
Aroclor-1232	2	5.693	-0.002	3678533	1007.2	2	5.823	-0.003	2766913	632.7
Aroclor-1232	3	5.986	-0.005	8466337	778.2	3	6.293	0.000	5813459	702.8
Aroclor-1232	4	6.100	-0.005	3149455	637.5	4	6.588	-0.002	1562149	754.2
Total Col1Ave (4 peaks):					685.5	Total Col2Ave (4 peaks):				626.2 RPD = 9
Corrected Ave (4 peaks):					685.5	Corrected Ave (4 peaks):				626.2 RPD = 9
Aroclor-1242	1	5.693	-0.003	3678533	561.6	1	5.321	-0.002	1808511	500.1
Aroclor-1242	2	5.986	-0.006	8466337	430.7	2	5.823	-0.001	2766913	391.0
Aroclor-1242	3	6.100	-0.004	3149455	362.0	3	6.293	0.000	5813459	394.1
Aroclor-1242	4	6.731	-0.004	2794221	335.6	4	6.452	-0.001	2149981	364.6
Aroclor-1242	NS	---			----	5	7.346	-0.004	1024798	181.4
Total Col1Ave (4 peaks):					422.5	Total Col2Ave (5 peaks):				366.3 RPD = 14
Corrected Ave (4 peaks):					422.5	Corrected Ave (5 peaks):				366.3 RPD = 14
Aroclor-1248	1	5.986	-0.006	8466337	590.0	1	6.293	0.002	5813459	525.3
Aroclor-1248	2	6.100	-0.006	3149455	576.7	2	6.655	-0.001	1329981	216.9
Aroclor-1248	3	6.354	-0.004	2673599	314.0	3	6.990	0.001	2137397	296.9
Aroclor-1248	4	6.731	-0.005	2794221	222.8	4	7.346	-0.004	1024798	102.8
Aroclor-1248	5	7.075	0.002	4089033	246.3	NS	---			----
Total Col1Ave (5 peaks):					389.9	Total Col2Ave (4 peaks):				285.5 RPD = 31
Corrected Ave (5 peaks):					389.9	Corrected Ave (3 peaks):				205.5 RPD = 62*
Aroclor-1254	1	7.319	-0.003	2191082	119.5	1	7.596	-0.001	1291059	126.2
Aroclor-1254	2	7.629	-0.003	733835	65.0	2	8.035	0.000	428549	55.0
Aroclor-1254	3	7.736	-0.009	2227208	99.3	3	8.189	0.027	3080481	183.5
Aroclor-1254	4	8.008	-0.024	6430265	266.3	4	8.375	0.011	4528459	267.2
Aroclor-1254	5	8.323	-0.013	2593474	182.8	5	8.822	0.005	1784882	187.2
Total Col1Ave (5 peaks):					146.6	Total Col2Ave (5 peaks):				163.8 RPD = 11
Corrected Ave (4 peaks):					116.6	Corrected Ave (5 peaks):				163.8 RPD = 34
Aroclor-1260	1	8.777	-0.002	5327141	341.5	1	9.072	0.000	3211622	332.5
Aroclor-1260	2	9.045	-0.003	4525179	342.6	2	9.140	0.000	2005444	366.7
Aroclor-1260	3	9.348	-0.001	13957831	401.3	3	9.663	-0.001	8433278	365.8
Aroclor-1260	4	9.687	-0.003	5660683	351.7	4	10.104	0.000	2752241	441.8
Aroclor-1260	5	9.839	-0.001	3888066	390.0	5	10.153	-0.001	5464730	380.5
Total Col1Ave (5 peaks):					365.4	Total Col2Ave (5 peaks):				377.4 RPD = 3
Corrected Ave (5 peaks):					365.4	Corrected Ave (5 peaks):				377.4 RPD = 3
Aroclor-1262	1	9.045	-0.004	4525179	254.8	1	9.072	-0.002	3211622	203.8
Aroclor-1262	2	9.348	-0.003	13957831	311.9	2	9.663	-0.003	8433278	289.0
Aroclor-1262	3	9.687	-0.004	5660683	414.0	3	10.104	0.001	2752241	223.8
Aroclor-1262	4	9.839	-0.003	3888066	198.1	4	10.153	-0.004	5464730	288.2
Aroclor-1262	5	10.380	-0.005	3983430	267.7	5	10.745	-0.001	2438080	261.9
Total Col1Ave (5 peaks):					289.3	Total Col2Ave (5 peaks):				253.3 RPD = 13
Corrected Ave (5 peaks):					289.3	Corrected Ave (5 peaks):				253.3 RPD = 13
Aroclor-1268	1	9.776	-0.002	3453186	69.9	1	10.104	0.003	2752241	94.5
Aroclor-1268	2	9.839	0.000	3888066	82.7	2	10.153	-0.006	5464730	197.6
Aroclor-1268	3	10.180	0.018	1868807	47.0	3	10.501	0.008	362480	16.6

Aroclor-1268	4	10.806	0.006	2507440	23.6	4	11.153	0.002	507664	8.0

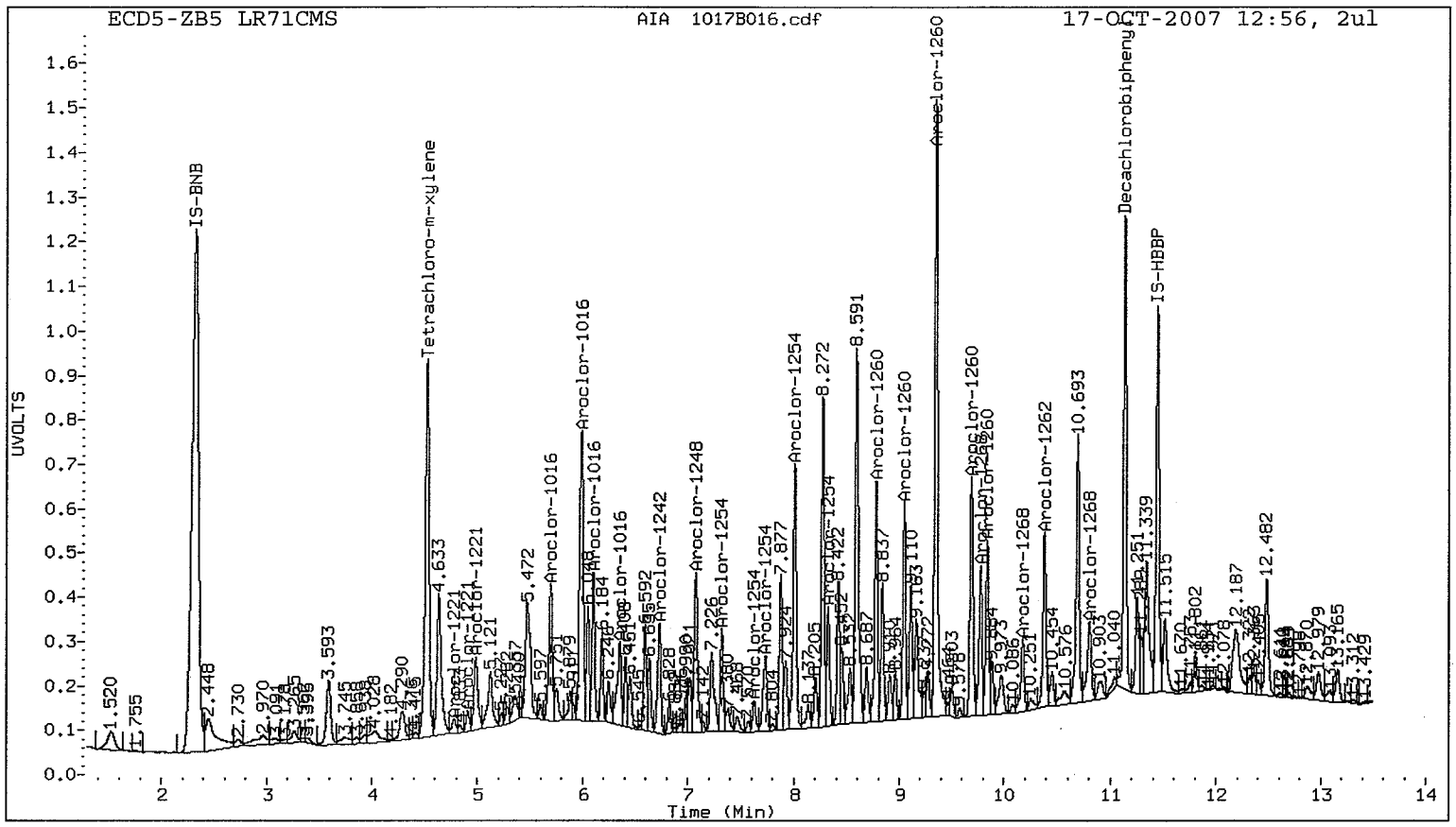
Total Col1Ave (4 peaks): 55.8 Total Col2Ave (4 peaks): 79.2 RPD = 35

Corrected Ave (4 peaks): 55.8 Corrected Ave (3 peaks): 39.7 RPD = 34

Total PCB Area Col1 (4.623 - 11.035) = 176699534 Col1 Total PCB = 0.9 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 114244136 Col2 Total PCB = 0.9 ppm*

* Quantitated against AR1660 0.25ppm in Ical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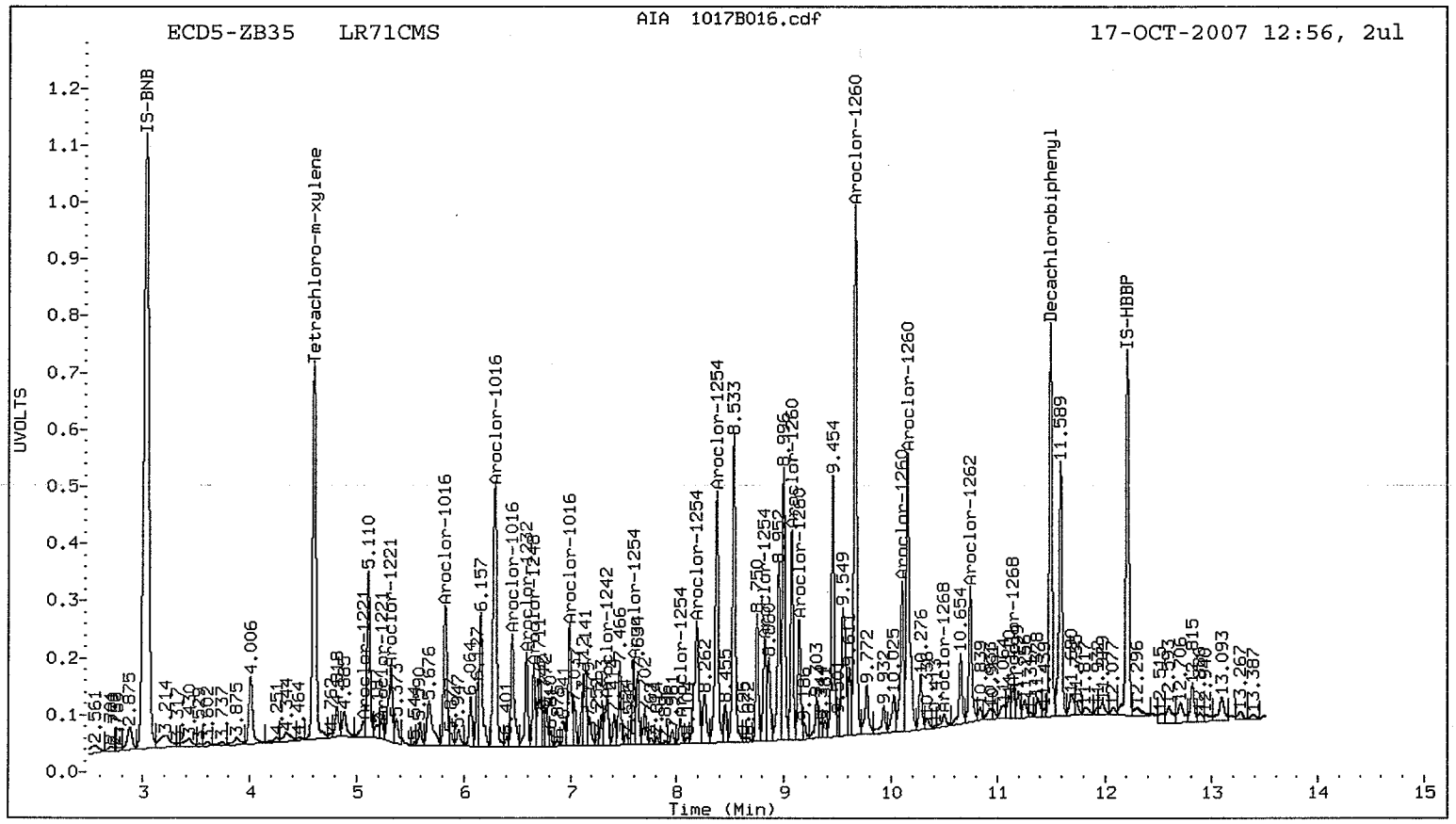
17-OCT-2007 12:56, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1221
Aroclor-1254
Aroclor-1248
Aroclor-1242
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP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UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
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Aroclor-1248
Aroclor-1242
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-03-070928
MATRIX SPIKE DUP

Lab Sample ID: LR71C
LIMS ID: 07-20768
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 13:13
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 33.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	---
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	Aroclor 1254	3.9	< 3.9 U
11096-82-5	Aroclor 1260	3.9	---
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	98.2%
Tetrachlorometaxylene	78.8%

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B017.d
Data file 2: 20071016.b/1017-2.b/1017B017.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71CMSD
Client ID: AN-SS-03-070928 MSD
Injection Date: 17-OCT-2007 13:13
Report Date: 10/17/2007 13:48
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.525	0.002	11722980	4.604	-0.001	7941145	31.5	30.4	3.7	Tetrachloro-m-xylene MN
11.134	-0.001	10424827	11.498	0.002	6005411	39.3	38.2	2.9	Decachlorobiphenyl MN

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	78.9	76.0
Decachlorobiphenyl	98.3	95.4

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	28362985	-10.2
Hexabromobiphenyl	9983366	8352625	-16.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	19868718	-2.2
Hexabromobiphenyl	6610345	6549618	-0.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	ZB5 Col Area	Amount	Peak#	RT	Shift	ZB35 Col Area	Amount
Aroclor-1016	1	5.696	0.000	3626517	405.1	1	5.825	0.001	2900837	295.3
Aroclor-1016	2	5.988	-0.003	8553255	316.1	2	6.292	-0.001	5956632	286.9
Aroclor-1016	3	6.100	-0.002	3227662	271.9	3	6.452	-0.001	2156823	260.2
Aroclor-1016	4	6.355	-0.002	2497649	343.1	4	6.990	0.000	2132731	327.5
	Total Col1Ave (4 peaks):			334.0		Total Col2Ave (4 peaks):			292.5	RPD = 13
	Corrected Ave (4 peaks):			334.0		Corrected Ave (4 peaks):			292.5	RPD = 13
Aroclor-1221	1	4.775	-0.008	510771	130.6	1	5.063	-0.003	531615	164.5
Aroclor-1221	2	4.912	0.003	604641	232.1	2	5.226	-0.014	958994	514.7
Aroclor-1221	3	4.981	-0.005	2082797	236.8	3	5.321	-0.002	1877578	330.5
Aroclor-1221	NS	---			----	4	5.825	-0.011	2900837	1263.0
	Total Col1Ave (3 peaks):			199.8		Total Col2Ave (4 peaks):			568.2	RPD = 96*
	Corrected Ave (3 peaks):			199.8		Corrected Ave (3 peaks):			336.6	RPD = 51*
Aroclor-1232	1	4.981	-0.002	2082797	282.1	1	5.321	-0.002	1877578	389.4
Aroclor-1232	2	5.696	0.000	3626517	901.4	2	5.825	0.000	2900837	599.3
Aroclor-1232	3	5.988	-0.003	8553255	713.6	3	6.292	-0.002	5956632	650.7
Aroclor-1232	4	6.100	-0.004	3227662	593.0	4	6.588	-0.002	1547631	675.1
	Total Col1Ave (4 peaks):			622.5		Total Col2Ave (4 peaks):			578.6	RPD = 7
	Corrected Ave (4 peaks):			622.5		Corrected Ave (4 peaks):			578.6	RPD = 7
Aroclor-1242	1	5.696	0.000	3626517	502.5	1	5.321	-0.002	1877578	469.1
Aroclor-1242	2	5.988	-0.004	8553255	395.0	2	5.825	0.001	2900837	370.4
Aroclor-1242	3	6.100	-0.004	3227662	336.8	3	6.292	-0.001	5956632	364.9
Aroclor-1242	4	6.734	-0.001	2906031	316.8	4	6.452	-0.001	2156823	330.5
Aroclor-1242	NS	---			----	5	7.346	-0.003	1045044	167.2
	Total Col1Ave (4 peaks):			387.8		Total Col2Ave (5 peaks):			340.4	RPD = 13
	Corrected Ave (4 peaks):			387.8		Corrected Ave (5 peaks):			340.4	RPD = 13
Aroclor-1248	1	5.988	-0.004	8553255	541.0	1	6.292	0.001	5956632	486.3
Aroclor-1248	2	6.100	-0.005	3227662	536.5	2	6.656	0.000	1380802	203.4
Aroclor-1248	3	6.355	-0.002	2497649	266.3	3	6.990	0.001	2132731	267.7
Aroclor-1248	4	6.734	-0.002	2906031	210.3	4	7.346	-0.003	1045044	94.7
Aroclor-1248	5	7.073	-0.001	3024039	165.3	NS	---			----
	Total Col1Ave (5 peaks):			343.9		Total Col2Ave (4 peaks):			263.0	RPD = 27
	Corrected Ave (5 peaks):			343.9		Corrected Ave (3 peaks):			188.6	RPD = 58*
Aroclor-1254	1	7.321	-0.001	2193285	108.6	1	7.597	0.000	1184724	104.6
Aroclor-1254	2	7.630	-0.001	540199	43.4	2	8.038	0.002	474527	55.0
Aroclor-1254	3	7.735	-0.010	2211171	89.5	3	8.190	0.028	3126148	168.2
Aroclor-1254	4	8.009	-0.023	5853168	220.0	4	8.376	0.012	4229181	225.5
Aroclor-1254	5	8.325	-0.011	2620615	167.7	5	8.824	0.007	1647714	156.1
	Total Col1Ave (5 peaks):			125.8		Total Col2Ave (5 peaks):			141.9	RPD = 12
	Corrected Ave (4 peaks):			102.3		Corrected Ave (5 peaks):			141.9	RPD = 32
Aroclor-1260	1	8.779	0.000	6170640	412.3	1	9.073	0.001	3249411	322.3
Aroclor-1260	2	9.047	-0.001	4911239	387.5	2	9.143	0.002	1982340	347.3
Aroclor-1260	3	9.348	0.000	13912974	416.9	3	9.665	0.001	8650682	359.5
Aroclor-1260	4	9.688	-0.002	5737026	371.4	4	10.104	0.000	2558606	393.5
Aroclor-1260	5	9.841	0.001	3969168	415.0	5	10.153	-0.001	5487379	366.1
	Total Col1Ave (5 peaks):			400.6		Total Col2Ave (5 peaks):			357.8	RPD = 11
	Corrected Ave (5 peaks):			400.6		Corrected Ave (5 peaks):			357.8	RPD = 11
Aroclor-1262	1	9.047	-0.002	4911239	288.2	1	9.073	-0.001	3249411	197.5
Aroclor-1262	2	9.348	-0.002	13912974	324.0	2	9.665	-0.001	8650682	284.1
Aroclor-1262	3	9.688	-0.003	5737026	437.3	3	10.104	0.001	2558606	199.3
Aroclor-1262	4	9.841	-0.001	3969168	210.8	4	10.153	-0.004	5487379	277.3
Aroclor-1262	5	10.382	-0.004	3941915	276.0	5	10.744	-0.002	2376888	244.7
	Total Col1Ave (5 peaks):			307.3		Total Col2Ave (5 peaks):			240.6	RPD = 24
	Corrected Ave (5 peaks):			307.3		Corrected Ave (5 peaks):			240.6	RPD = 24
Aroclor-1268	1	9.778	0.000	3396099	71.6	1	10.104	0.003	2558606	84.2
Aroclor-1268	2	9.841	0.003	3969168	88.0	2	10.153	-0.005	5487379	190.1
Aroclor-1268	3	10.180	0.018	1795793	47.1	3	10.497	0.004	210215	9.2

Aroclor-1268	4	10.805	0.005	1920067	18.8	4	11.152	0.000	435456	6.6

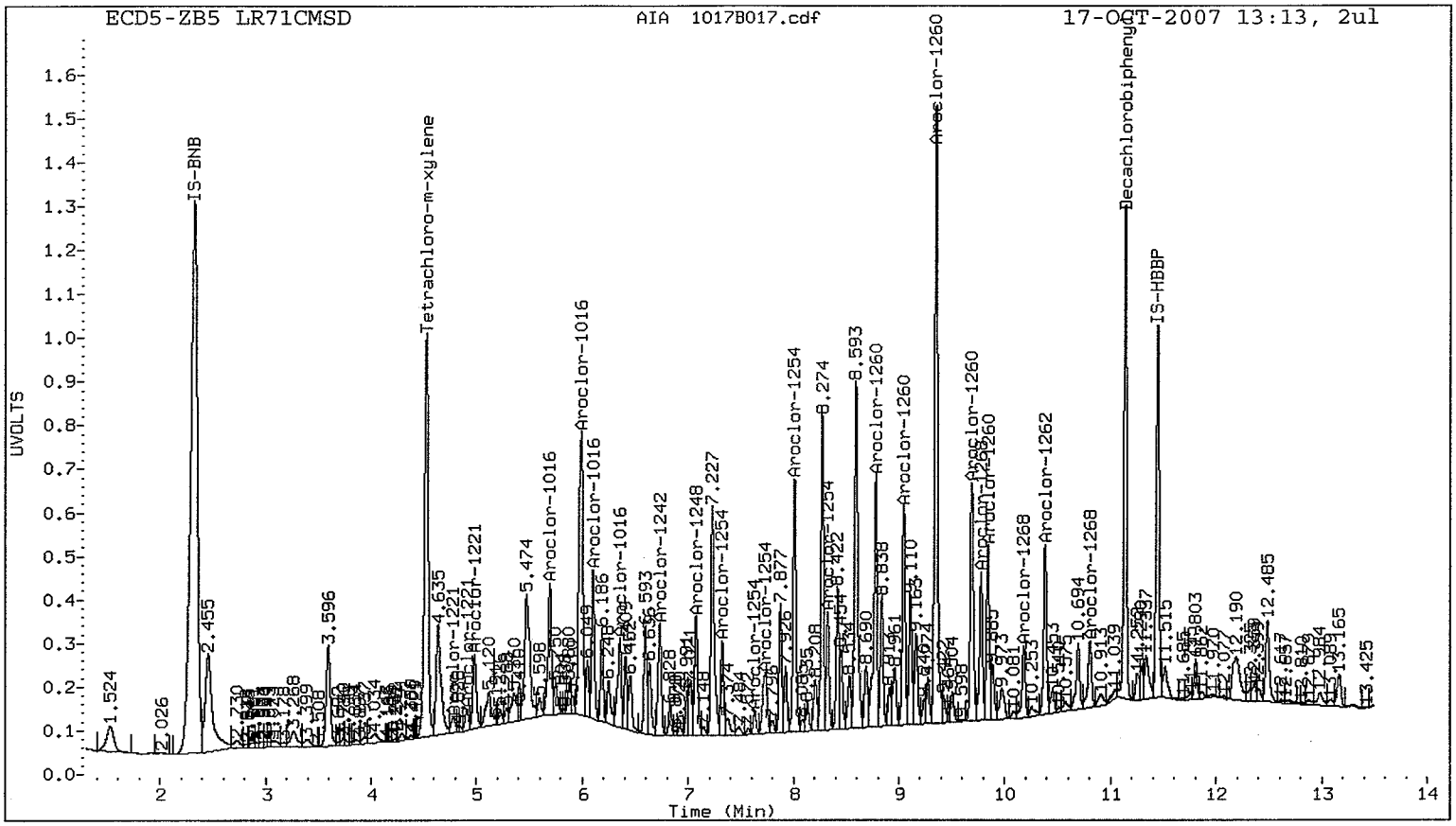
Total Col1Ave (4 peaks): 56.4 Total Col2Ave (4 peaks): 72.5 RPD = 25

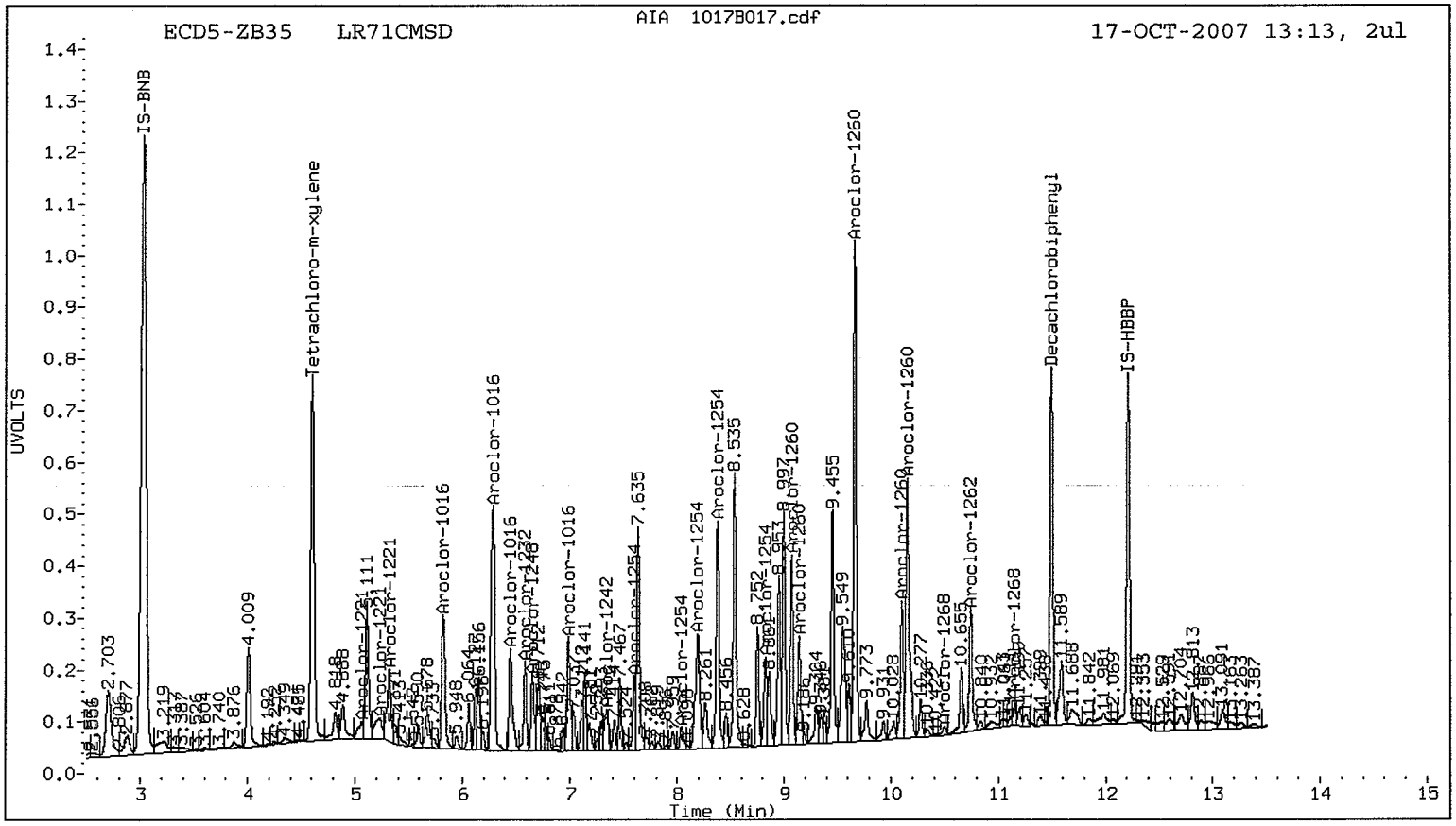
Corrected Ave (4 peaks): 56.4 Corrected Ave (3 peaks): 33.3 RPD = 51*

Total PCB Area Col1 (4.623 - 11.035) = 172590576 Col1 Total PCB = 0.8 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 113345976 Col2 Total PCB = 0.8 ppm*

* Quantitated against AR1660 0.25ppm in Ical


ECD5-ZB5 LR71CMSD
AIA 1017B017.cdf
17-OCT-2007 13:13, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1221
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP


ECD5-ZB35 LR71CMSD
AIA 1017B017.cdf
17-OCT-2007 13:13, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1221
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP

PCB Analysis
Extraction Benchsheets/Run Logs

prepared
for

ANCHOR ENVIRONMENTAL

Project : KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Benchsheet

Pest / (PCB) / Soil / (Sediment) / Tissue

In-House		**PSDDA**	X	**Low Level**	
QA LIMs #				Macrotip	X
EXT LIMs #				Tissuemizer	
Bid #	PBIØ11A-Ø1			KD	X
ARI Job No(s)	LR71			TurboVap	X

Client Name / Project ID: Anchor Environmental, LLC

(RcQ) (RcQ)

Extraction Requirements	Verify Client ID	(9) Volume Extracted	KD	Silica Gel (Pest) Y / N	Acid Clean (PCB) (Y) / N	Sulfur Clean (Y) N	Final Effective Volume	Volume to Lab	Comments
MB: LR71mbs	10/11/07	25.00			1:1	1:1	1mL	1mL	
SB: sbs	↓	25.00							
✱3 A	verified	52.10							
✱3 B		51.02							
✱3 C		38.02							
✱3 cms		38.02							
✱3 cmsd		38.04							
✱3 D		36.04							
✱3 E		33.04							
✱3 F		38.06							
✱3 H		40.02							
✱3 I		49.06							
✱3 J		33.04							
✱3 K		1.04							
✱3 L	↓	1.08	↓		↓	↓	↓	↓	
Analyst/Date:	HQ 10/11/07		10/16/07		MP 10/16/07	MP 10/16/07	MP 10/16/07		

Spike	Spike ID	Volume	Conc	Analyst	Witness
Surr.	D	200 µL	0.2 µg/mL	HQ	M.Q.
LCS	1	25 µL	20 µg/mL	HQ	M.Q.
LCS(extra)		µL	µg/mL		
		µL	µg/mL		
MS/MSD		µL	µg/mL		
Extraction Time:		1330			

Sonication-Solvent/Reag.	ID	KD/Vialing-Solvent/Reag.	ID
8:2 Hexane/Acetone	F846	(Hexane) C_6H_{14}:	I3977
Neutral Glasswool:	9/6/07 #3	Na_2SO_4 ID:	
Na_2SO_4 ID:	9/26/07 #6	TBAS ID:	F835
		Ethyl Acetate ID:	
4% Silica Gel:		Concent. H_2SO_4:	I3883
0% Silica Gel:		Na_2SO_3 ID:	I3761

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Laboratory
Analyst Notes

ARI Job No.: LR71

Client ID: Anchor Environmental, LLC

Parameter: PCB PSDDA

Client Project: Kimberly Clark - Anacortes

SOP Number(s): 3505

No Anomalies:

List problems, concerns, corrective actions and any other pertinent information
LR71 A-L - all have sulfur smell. poured out
standing H_2O.
LR71I - woodchips and other organics
LR71J - two small live crabs. SAL 10-4-07
GC analyst, reduced extraction weights for samples K
and L, based on sample pre-screens. JH 10/11/07

Analyst Initials:		Date:	

3056F

Revision 006
1/12/07

Analytical Resources Inc.: Organics Instrument Log

ECD5 Serial No.: US00034118

Date: 10/16/07 Analysis: PCB Analyst: [signature]

GC Program: PCB37 Column No: 105634/105681 Column Type: 225/225

Instrument Tune (.U or .CT.): — EM Voltage: —

Calibration File: — Curve Date: 10/16/07

IS/SS	Ical/Ccal	LCS/ICV
	1478-4,5,6	
1421-3	1479-2,3,4	
	1480-3	
	1358-4	

GC LOG SUMMARY FOR DATABATCH - /chem2/ecd5.i/20071016.b/ical-1.b
/chem2/ecd5.i/20071016.b/ical-2.b

	Inject Date/Time	Filename	DF	LabID	ClientID
1	16-OCT-2007 13:24	1016B001.d	1	IB	
2	16-OCT-2007 13:41	1016B002.d	1	AR1660	.25
3	16-OCT-2007 13:59	1016B003.d	1	AR1660	.02
4	16-OCT-2007 14:16	1016B004.d	1	AR1660	1.0
5	16-OCT-2007 14:33	1016B005.d	1	AR1660	0.1
6	16-OCT-2007 14:50	1016B006.d	1	AR1660	0.5
7	16-OCT-2007 15:07	1016B007.d	1	ICV	
8	16-OCT-2007 15:24	1016B008.d	1	AR1242	
9	16-OCT-2007 15:42	1016B009.d	1	AR1248	
10	16-OCT-2007 15:59	1016B010.d	1	AR1254	
11	16-OCT-2007 16:16	1016B011.d	1	AR2162	
12	16-OCT-2007 16:33	1016B012.d	1	AR3268	

[signature] 10/17/07

Maintenance / Comments

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

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

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC Analyst Notes / Corrective Action Log

ARI Project ID: _____ Client ID: _____

ARI SOP: **403S**(PCB) **405S**(Herbicides) **407S**(TPH-D) **409S**(HCID) **423S**(Pesticides) **Other**

Parameter(s): ECD 5 PCB CURVE 10/16/07

Instrument: FID: _____ ECD: _____

Dates: Curve: _____ Analysis Start: _____

Endrin/DDT Breakdown <15%?	YES / NO / NA	LCS/LCSD Recovery in Control?	YES / NO
ICal Meets RF & %RSD Criteria?	YES / NO	MS/MSD Recovery in Control?	YES / NO
CCal Meets RF & %RSD Criteria	YES / NO	Surrogate Recovery in Control?	YES / NO
Internal Standard Meets Criteria?	YES / NO	Special Analysis Criteria Met?	YES / NO / NA
Method Blank in Control?	YES / NO		

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

All 1016/1260 Quant peaks < 20% RSD

Additional Details on Reverse: Yes / No

Analyst Signature: _____ **Date:** 10/17/07

Reviewer's Signature: _____ **Date:** 10/19/07

Analytical Resources Inc.: Organics Instrument Log

ECD5 Serial No.: US00034118

Date: 10/17/07 Analysis: PCB Analyst: pk

GC Program: PCB2 Column No: 105634/105681 Column Type: 225/225

Instrument Tune (.U or .CT.): — EM Voltage: —

Calibration File: — Curve Date: 10/16/07

IS/SS	Ical/Ccal	LCS/ICV
	1478-4-6	
1421-3	1479-2-4	
	1480-3	

	Inject Date/Time	Filename	DF	LabID	ClientID	
1	17-OCT-2007 08:38	1017B001.d	1	AR12422		
2	17-OCT-2007 08:56	1017B002.d	1	AR16602		
3	17-OCT-2007 09:13	1017B003.d	1	LR71MBS1	LR71MBS1	
4	17-OCT-2007 09:30	1017B004.d	1	LR71LCSS1	LR71LCSS1	
5	17-OCT-2007 09:47	1017B005.d	1	LR71A	AN-SS-01-070927	
6	17-OCT-2007 10:04	1017B006.d	1	LT81MBW1	LT81MBW1	
7	17-OCT-2007 10:21	1017B007.d	1	LT81LCSW1	LT81LCSW1	
8	17-OCT-2007 10:38	1017B008.d	1	LT81LCSDW1	LT81LCSDW1	
9	17-OCT-2007 10:56	1017B009.d	1	LT83A	4500B-071016	
10	17-OCT-2007 11:13	1017B010.d	1	LT81A	Decon-4-071016	
11	17-OCT-2007 11:30	1017B011.d	1	LT73MBW1	LT73MBW1	
12	17-OCT-2007 11:47	1017B012.d	1	LT73LCSW1	LT73LCSW1	
13	17-OCT-2007 12:04	1017B013.d	1	LT73A	NUCOR 101407	
14	17-OCT-2007 12:21	1017B014.d	1	LR71B	AN-SS-02-070927	
15	17-OCT-2007 12:39	1017B015.d	1	LR71C	AN-SS-03-070928	
16	17-OCT-2007 12:56	1017B016.d	1	LR71CMS	AN-SS-03-070928	MS
17	17-OCT-2007 13:13	1017B017.d	1	LR71CMSD	AN-SS-03-070928	MSD
18	17-OCT-2007 13:30	1017B018.d	1	LR71D	AN-SS-07-070928	
19	17-OCT-2007 13:47	1017B019.d	1	LR71E	AN-SS-10-070928	
20	17-OCT-2007 14:04	1017B020.d	1	LR71F	AN-SS-11-070928	
21	17-OCT-2007 14:21	1017B021.d	1	LR71H	AN-SS-04	
22	17-OCT-2007 14:39	1017B022.d	1	LR71I	AN-SS-05	
23	17-OCT-2007 14:56	1017B023.d	1	LR71J	AN-SS-06	
24	17-OCT-2007 15:13	1017B024.d	2	LR71K	AN-SS-08	
25	17-OCT-2007 15:30	1017B025.d	2	LR71L	AN-SS-09	
26	17-OCT-2007 15:47	1017B026.d	1	RINSE		
27	17-OCT-2007 16:04	1017B027.d	1	RINSE		
28	17-OCT-2007 16:21	1017B028.d	1	RINSE		
29	17-OCT-2007 16:39	1017B029.d	1	RINSE		
30	17-OCT-2007 16:56	1017B030.d	1	AR12542		
31	17-OCT-2007 17:13	1017B031.d	1	AR16603		
32	17-OCT-2007 17:30	1017B032.d	10	LR71E	AN-SS-10-070928	
33	17-OCT-2007 17:47	1017B033.d	10	LR71F	AN-SS-11-070928	
34	17-OCT-2007 18:04	1017B034.d	10	LR71H	AN-SS-04	
35	17-OCT-2007 18:22	1017B035.d	3	LR71J	AN-SS-06	
36	17-OCT-2007 18:39	1017B036.d	1	RINSE		
37	17-OCT-2007 18:56	1017B037.d	1	LS47MBS1		
38	17-OCT-2007 19:13	1017B038.d	1	LS47LCSS1		
39	17-OCT-2007 19:30	1017B039.d	1	LS47LCSDS1		
40	17-OCT-2007 19:47	1017B040.d	1	LS47A		
41	17-OCT-2007 20:04	1017B041.d	1	LS47B		
42	17-OCT-2007 20:21	1017B042.d	1	LS47BMS		
43	17-OCT-2007 20:39	1017B043.d	1	LS47BMSD		
44	17-OCT-2007 20:56	1017B044.d	1	LS47C		
45	17-OCT-2007 21:13	1017B045.d	1	LS47D		
46	17-OCT-2007 21:30	1017B046.d	1	LS47E		
47	17-OCT-2007 21:47	1017B047.d	1	LS47F		
48	17-OCT-2007 22:04	1017B048.d	1	RINSE		
49	17-OCT-2007 22:22	1017B049.d	1	RINSE		
50	17-OCT-2007 22:39	1017B050.d	1	RINSE		
51	17-OCT-2007 22:56	1017B051.d	1	RINSE		
52	17-OCT-2007 23:13	1017B052.d	1	AR12482		
53	17-OCT-2007 23:30	1017B053.d	1	AR16604		

Maintenance /

Maintenance V

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

ECD5 Serial No.: US00034118

Date: 10/18/07 Analysis: PCB Analyst: [illegible]

GC Program: PCB2 Column No: 105634/105681 Column Type: ZB5/ZB5

Instrument Tune (.U or .CT.): — EM Voltage: —

Calibration File: — Curve Date: 10/16/07

IS/SS	Ical/Ccal	LCS/ICV
	1478-4,5,6	
1421-3	1479-2,3,4	
	1480-3	

	Inject Date/Time	Filename	DF	LabID	ClientID
1	18-OCT-2007 09:18	1018B001.d	1	AR12543	
2	18-OCT-2007 09:35	1018B002.d	1	AR16605	
3	18-OCT-2007 09:53	1018B003.d	1	LR71K	AN-SS-08
4	18-OCT-2007 10:10	1018B004.d	1	LR71L	AN-SS-09
5	18-OCT-2007 10:27	1018B005.d	1	LT01MBS1	LT01MBS1
6	18-OCT-2007 10:44	1018B006.d	1	LT01LCSS1	LT01LCSS1
7	18-OCT-2007 11:01	1018B007.d	1	LT01LCSDS1	LT01LCSDS1
8	18-OCT-2007 11:18	1018B008.d	1	LT01A	1
9	18-OCT-2007 11:36	1018B009.d	1	LT01B	2
10	18-OCT-2007 11:53	1018B010.d	1	LT01C	3
11	18-OCT-2007 12:10	1018B011.d	1	LT01D	4
12	18-OCT-2007 12:27	1018B012.d	1	LT01E	5
13	18-OCT-2007 12:44	1018B013.d	1	LT01F	6
14	18-OCT-2007 13:02	1018B014.d	1	LT01G	DUP
15	18-OCT-2007 13:19	1018B015.d	1	LT00A	1
16	18-OCT-2007 13:36	1018B016.d	1	LT00B	2
17	18-OCT-2007 13:53	1018B017.d	1	LT00C	3
18	18-OCT-2007 14:10	1018B018.d	1	LT00D	4
19	18-OCT-2007 14:27	1018B019.d	1	LT00E	5
20	18-OCT-2007 14:45	1018B020.d	1	LT00F	6
21	18-OCT-2007 15:02	1018B021.d	1	LT00FMS	6 MS
22	18-OCT-2007 15:19	1018B022.d	1	LT00FMSD	6 MSD
23	18-OCT-2007 15:36	1018B023.d	1	LT00G	DUP
24	18-OCT-2007 15:53	1018B024.d	1	LT44A	S-A
25	18-OCT-2007 16:11	1018B025.d	1	LT44B	S-B
26	18-OCT-2007 16:28	1018B026.d	1	RINSE	
27	18-OCT-2007 16:45	1018B027.d	1	RINSE	
28	18-OCT-2007 17:02	1018B028.d	1	RINSE	
29	18-OCT-2007 17:19	1018B029.d	1	AR12423	
30	18-OCT-2007 17:36	1018B030.d	1	AR16606	
31	18-OCT-2007 17:54	1018B031.d	1	LT01MBW1	LT01MBW1
32	18-OCT-2007 18:11	1018B032.d	1	LT01LCSW1	LT01LCSW1
33	18-OCT-2007 18:28	1018B033.d	1	LT01LCSDW1	LT01LCSDW1
34	18-OCT-2007 18:45	1018B034.d	1	LT01H	1
35	18-OCT-2007 19:02	1018B035.d	1	LT01I	2
36	18-OCT-2007 19:19	1018B036.d	1	LT01J	3
37	18-OCT-2007 19:37	1018B037.d	1	LT01K	4
38	18-OCT-2007 19:54	1018B038.d	1	LT01L	6
39	18-OCT-2007 20:11	1018B039.d	1	LT01M	DUP
40	18-OCT-2007 20:28	1018B040.d	1	LT00H	2
41	18-OCT-2007 20:45	1018B041.d	1	LT00I	4
42	18-OCT-2007 21:02	1018B042.d	1	LT00J	6
43	18-OCT-2007 21:19	1018B043.d	1	LT00K	DUP
44	18-OCT-2007 21:37	1018B044.d	1	LT53MBW1	
45	18-OCT-2007 21:54	1018B045.d	1	LT53LCSW1	
46	18-OCT-2007 22:11	1018B046.d	1	LT53LCSDW1	
47	18-OCT-2007 22:28	1018B047.d	1	LT53A	BOP 85-104 WWTP
48	18-OCT-2007 22:45	1018B048.d	1	LT53B	BOP 85-001 Vibra De
49	18-OCT-2007 23:03	1018B049.d	1	LT54A	BOP Combined Grab
50	18-OCT-2007 23:20	1018B050.d	1	LT54B	BOP 85-120 Proceco
51	18-OCT-2007 23:37	1018B051.d	1	LT54C	BOP 85-120 WWTP
52	18-OCT-2007 23:54	1018B052.d	1	LT62I	RINSATE
53	19-OCT-2007 00:11	1018B053.d	1	RINSE	
54	19-OCT-2007 00:28	1018B054.d	1	RINSE	
55	19-OCT-2007 00:45	1018B055.d	1	RINSE	
56	19-OCT-2007 01:03	1018B056.d	1	AR12483	
57	19-OCT-2007 01:20	1018B057.d	1	AR16607	

Main

Maint

Every li

[illegible] 10/19/07

each QC period.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC Analyst Notes / Corrective Action Log

ARI Project ID: LR71 Client ID: Anchor

ARI SOP: **403S**(PCB) **405S**(Herbicides) **407S**(TPH-D) **409S**(HCID) **423S**(Pesticides) **Other**

Parameter(s):

Instrument: FID: ECD: 5

Dates: Curve: 10/16/07 Analysis Start: 10/17/07

Endrin/DDT Breakdown <15%? YES / NO / NA

ICal Meets RF & %RSD Criteria? YES / NO

CCal Meets RF & %RSD Criteria YES / NO

Internal Standard Meets Criteria? YES / NO

Method Blank in Control? YES / NO

LCS/LCSD Recovery in Control? YES / NO

MS/MSD Recovery in Control? YES / NO

Surrogate Recovery in Control? YES / NO

Special Analysis Criteria Met? YES / NO / NA

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

- Samples did not match screens well. Some screened clean and were hot, some screened Hot + were clean.
- reported K and L to lower on col. RL to avoid reextract. see BNB on cover letter. Still above low pt in ICAL.
- closing 1260 on 10/18 High by ~ 57%. Nothing quanted from it.

Additional Details on Reverse: Yes / No

Analyst Signature: [signature] **Date:** 10/18/07

Reviewer's Signature: [signature] **Date:** 10/19/07

Metals Analysis
QC Summary Data

prepared
for

ANCHOR ENVIRONMENTAL

Project : KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

Cover Page

INORGANIC ANALYSIS DATA PACKAGE

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco

SDG: LR71

CLIENT ID	ARI ID	ARI LIMS ID	REPREP
AN-SS-01-070927	LR71A	07-20766	
AN-SS-01-070927D	LR71ADUP	07-20766	
AN-SS-01-070927S	LR71ASPK	07-20766	
AN-SS-02-070927	LR71B	07-20767	
PBS	LR71MB	07-20767	
LCSS	LR71MBSPK	07-20767	
AN-SS-03-070928	LR71C	07-20768	
AN-SS-07-070928	LR71D	07-20769	
AN-SS-10-070928	LR71E	07-20770	
AN-SS-11-070928	LR71F	07-20771	
AN-SS-04	LR71H	07-20773	
AN-SS-05	LR71I	07-20774	
AN-SS-06	LR71J	07-20775	
AN-SS-08	LR71K	07-20776	
AN-SS-09	LR71L	07-20777	

Were ICP interelement corrections applied ?	Yes/No	YES
Were ICP background corrections applied ?	Yes/No	YES
If yes - were raw data generated before application of background corrections ?	Yes/No	NO

Comments: _____

THIS DATA PACKAGE HAS BEEN REVIEWED AND AUTHORIZED FOR RELEASE BY:

Signature: _____ Name: Jay Kuhn

Date: 10/11/07 Title: Inorganics Director

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: AN-SS-01-070927
DUPLICATE

Lab Sample ID: LR71A
LIMS ID: 07-20766
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	9 U	9 U	0.0%	+/- 9	L
Arsenic	6010B	9 U	9 U	0.0%	+/- 9	L
Cadmium	6010B	0.9	0.8	11.8%	+/- 0.3	L
Chromium	6010B	20.1	19.3	4.1%	+/- 20%	
Copper	6010B	26.2	24.6	6.3%	+/- 20%	
Lead	6010B	8	8	0.0%	+/- 3	L
Mercury	7471A	0.07 U	0.07 U	0.0%	+/- 0.07	L
Nickel	6010B	14	14	0.0%	+/- 20%	
Silver	6010B	0.5 U	0.5 U	0.0%	+/- 0.5	L
Zinc	6010B	45	42	6.9%	+/- 20%	

Reported in mg/kg-dry

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

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-01-070927
MATRIX SPIKE

Lab Sample ID: LR71A
LIMS ID: 07-20766
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

MATRIX SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Spike	Spike Added	% Recovery	Q
Antimony	6010B	9 U	66	340	19.4%	N
Arsenic	6010B	9 U	358	340	105%	
Cadmium	6010B	0.9	81.3	85.0	94.6%	
Chromium	6010B	20.1	103	85.0	97.5%	
Copper	6010B	26.2	118	85.0	108%	
Lead	6010B	8	327	340	93.8%	
Mercury	7471A	0.07 U	0.78	0.716	109%	
Nickel	6010B	14	102	85.0	104%	
Silver	6010B	0.5 U	86.0	85.0	101%	
Zinc	6010B	45	127	85.0	96.5%	

Reported in mg/kg-dry

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

Percent Recovery Limits: 75-125%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: METHOD BLANK**

Lab Sample ID: LR71MB
LIMS ID: 07-20767
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: NA
Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	5	5	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	5	5	U
3050B	10/05/07	6010B	10/09/07	7440-43-9	Cadmium	0.2	0.2	U
3050B	10/05/07	6010B	10/09/07	7440-47-3	Chromium	0.5	0.5	U
3050B	10/05/07	6010B	10/09/07	7440-50-8	Copper	0.2	0.2	U
3050B	10/05/07	6010B	10/09/07	7439-92-1	Lead	2	2	U
CLP	10/05/07	7471A	10/09/07	7439-97-6	Mercury	0.05	0.05	U
3050B	10/05/07	6010B	10/09/07	7440-02-0	Nickel	1	1	U
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.3	0.3	U
3050B	10/05/07	6010B	10/09/07	7440-66-6	Zinc	1	1	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: LAB CONTROL**

Lab Sample ID: LR71LCS
LIMS ID: 07-20767
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Antimony	6010B	202	200	101%	
Arsenic	6010B	206	200	103%	
Cadmium	6010B	50.0	50.0	100%	
Chromium	6010B	50.0	50.0	100%	
Copper	6010B	51.2	50.0	102%	
Lead	6010B	204	200	102%	
Mercury	7471A	1.05	1.00	105%	
Nickel	6010B	50	50	100%	
Silver	6010B	52.0	50.0	104%	
Zinc	6010B	51	50	102%	

Reported in mg/kg-dry

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

Calibration Verification

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco

SDG: LR71

UNITS:ug/L

ANALYTE	EL	M	RUN	ICVTV	ICV	%R	CCVTV	CCV1	%R	CCV2	%R	CCV3	%R	CCV4	%R	CCV5	%R
Antimony	SB	ICP	IP100921	2000.0	2018.76	100.9	2000.0	2016.32	100.8	2032.98	101.6	2008.28	100.4	2027.46	101.4	1994.50	99.7
Arsenic	AS	ICP	IP100921	2000.0	2016.97	100.8	2000.0	2009.65	100.5	2028.17	101.4	2022.20	101.1	2033.62	101.7	2024.42	101.2
Cadmium	CD	ICP	IP100921	1000.0	998.41	99.8	1000.0	1013.18	101.3	1014.74	101.5	1001.78	100.2	1019.06	101.9	990.26	99.0
Chromium	CR	ICP	IP100921	1000.0	964.04	96.4	1000.0	963.87	96.4	977.62	97.8	985.59	98.6	959.60	96.0	957.19	95.7
Copper	CU	ICP	IP100921	1000.0	1047.94	104.8	1000.0	1055.06	105.5	1050.91	105.1	1042.71	104.3	1054.14	105.4	1043.41	104.3
Lead	PB	ICP	IP100921	2000.0	2014.57	100.7	2000.0	2048.91	102.4	2051.44	102.6	2034.64	101.7	2058.73	102.9	2019.09	101.0
Mercury	HG	CVA	HG100902	8.0	8.19	102.4	4.0	3.98	99.5	3.81	95.3	3.95	98.8				
Nickel	NI	ICP	IP100921	1000.0	977.24	97.7	1000.0	981.51	98.2	999.86	100.0	1000.85	100.1	971.61	97.2	976.02	97.6
Silver	AG	ICP	IP100921	1000.0	1003.23	100.3	1000.0	1010.19	101.0	1002.29	100.2	996.77	99.7	1007.65	100.8	1000.79	100.1
Zinc	ZN	ICP	IP100921	1000.0	1000.60	100.1	1000.0	1007.06	100.7	1027.39	102.7	1057.97	105.8	1005.71	100.6	1020.58	102.1

Control Limits: Mercury 80-120; Other Metals 90-110

Calibration Verification

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco

SDG: LR71

UNITS:ug/L

ANALYTE	EL	M	RUN	CCVTV	CCV6	%R	CCV7	%R	CCV8	%R	CCV9	%R	CCV10	%R	CCV11	%R
Antimony	SB	ICP	IP100921	2000.0	1971.65	98.6	1936.43	96.8	1919.14	96.0						
Arsenic	AS	ICP	IP100921	2000.0	1988.09	99.4	1964.67	98.2	1940.95	97.0						
Cadmium	CD	ICP	IP100921	1000.0	986.46	98.6	967.84	96.8	972.86	97.3						
Chromium	CR	ICP	IP100921	1000.0	954.42	95.4	942.63	94.3	942.49	94.2						
Copper	CU	ICP	IP100921	1000.0	1043.09	104.3	1041.11	104.1	1041.45	104.1						
Lead	PB	ICP	IP100921	2000.0	2008.74	100.4	1982.19	99.1	1968.66	98.4						
Mercury	HG	CVA	HG100902	4.0												
Nickel	NI	ICP	IP100921	1000.0	971.57	97.2	960.82	96.1	955.33	95.5						
Silver	AG	ICP	IP100921	1000.0	999.48	99.9	999.69	100.0	998.79	99.9						
Zinc	ZN	ICP	IP100921	1000.0	1009.30	100.9	996.96	99.7	992.83	99.3						

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Control Limits: Mercury 80-120; Other Metals 90-110

Calibration Verification

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco

SDG: LR71

UNITS:ug/L

ANALYTE	EL	M	RUN	ICVTV	ICV	%R	CCVTV	CCV1	%R	CCV2	%R	CCV3	%R	CCV4	%R	CCV5	%R
Antimony	SB	ICP	IP101021	2000.0	2002.48	100.1	2000.0	1993.66	99.7	1996.37	99.8	1968.86	98.4				
Arsenic	AS	ICP	IP101021	2000.0	1984.95	99.2	2000.0	1999.33	100.0	2001.63	100.1	1991.81	99.6				
Cadmium	CD	ICP	IP101021	1000.0	1006.49	100.6	1000.0	987.48	98.7	987.04	98.7	981.34	98.1				
Chromium	CR	ICP	IP101021	1000.0	963.93	96.4	1000.0	961.14	96.1	964.43	96.4	953.91	95.4				
Copper	CU	ICP	IP101021	1000.0	1058.54	105.9	1000.0	1057.96	105.8	1058.29	105.8	1053.72	105.4				
Lead	PB	ICP	IP101021	2000.0	2015.52	100.8	2000.0	1974.94	98.7	2003.74	100.2	1998.29	99.9				
Nickel	NI	ICP	IP101021	1000.0	974.03	97.4	1000.0	969.29	96.9	974.96	97.5	963.86	96.4				
Silver	AG	ICP	IP101021	1000.0	1009.22	100.9	1000.0	1013.64	101.4	1011.06	101.1	1007.69	100.8				
Zinc	ZN	ICP	IP101021	1000.0	992.75	99.3	1000.0	983.67	98.4	991.66	99.2	984.75	98.5				

Control Limits: Mercury 80-120; Other Metals 90-110

CRDL Standard

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco

UNITS:ug/L

SDG: LR71

ANALYTE	EL	M	RUN	CRA/I TV	CR-1	%R	CR-2	%R	CR-3	%R	CR-4	%R	CR-5	%R	CR-6	%R
Antimony	SB	ICP	IP100921	50.0	50.30	**100.6**										
Arsenic	AS	ICP	IP100921	50.0	57.43	**114.9**										
Cadmium	CD	ICP	IP100921	2.0	2.00	**100.0**										
Chromium	CR	ICP	IP100921	5.0	5.55	**111.0**										
Copper	CU	ICP	IP100921	2.0	2.94	**147.0**										
Lead	PB	ICP	IP100921	20.0	20.51	**102.6**										
Mercury	HG	CVA	HG100902	0.1	0.11	**110.0**										
Nickel	NI	ICP	IP100921	10.0	11.70	**117.0**										
Silver	AG	ICP	IP100921	3.0	3.28	**109.3**										
Zinc	ZN	ICP	IP100921	10.0	10.56	**105.6**										

Control Limits: no control limits have been established by the EPA at this time.

CRDL Standard

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco

SDG: LR71

UNITS:ug/L

ANALYTE	EL	M	RUN	CRA/I TV	CR-1	%R	CR-2	%R	CR-3	%R	CR-4	%R	CR-5	%R	CR-6	%R
Antimony	SB	ICP	IP101021	50.0	54.08	**108.2**										
Arsenic	AS	ICP	IP101021	50.0	56.82	**113.6**										
Cadmium	CD	ICP	IP101021	2.0	1.98	**99.0**										
Chromium	CR	ICP	IP101021	5.0	5.43	**108.6**										
Copper	CU	ICP	IP101021	2.0	2.33	**116.5**										
Lead	PB	ICP	IP101021	20.0	20.42	**102.1**										
Nickel	NI	ICP	IP101021	10.0	17.03	**170.3**										
Silver	AG	ICP	IP101021	3.0	3.48	**116.0**										
Zinc	ZN	ICP	IP101021	10.0	10.09	**100.9**										

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Control Limits: no control limits have been established by the EPA at this time.

Calibration Blanks

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco

SDG: LR71

UNITS:ug/L

ANALYTE	EL	METH	RUN	CRDL	IDL	ICB	C	CCB1	C	CCB2	C	CCB3	C	CCB4	C	CCB5	C
Antimony	SB	ICP	IP100921	60.0	50.0	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U
Arsenic	AS	ICP	IP100921	10.0	50.0	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U
Cadmium	CD	ICP	IP100921	5.0	2.0	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Chromium	CR	ICP	IP100921	10.0	5.0	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Copper	CU	ICP	IP100921	25.0	2.0	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Lead	PB	ICP	IP100921	3.0	20.0	20.0	U	20.0	U	20.0	U	20.0	U	20.0	U	20.0	U
Mercury	HG	CVA	HG100902	0.2	0.1	0.1	U	0.1	U	0.1	U	0.1	U				
Nickel	NI	ICP	IP100921	40.0	10.0	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
Silver	AG	ICP	IP100921	10.0	3.0	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U
Zinc	ZN	ICP	IP100921	20.0	10.0	10.0	U	10.0	U	10.0	U	16.5	B	10.0	U	10.0	U

Calibration Blanks

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco

SDG: LR71

UNITS:ug/L

ANALYTE	EL	METH	RUN	CRDL	IDL	CCB6	C	CCB7	C	CCB8	C	CCB9	C	CCB10	C	CCB11	C
Antimony	SB	ICP	IP100921	60.0	50.0	50.0	U	50.0	U	50.0	U						
Arsenic	AS	ICP	IP100921	10.0	50.0	50.0	U	50.0	U	50.0	U						
Cadmium	CD	ICP	IP100921	5.0	2.0	2.0	U	2.0	U	2.0	U						
Chromium	CR	ICP	IP100921	10.0	5.0	5.0	U	5.0	U	5.0	U						
Copper	CU	ICP	IP100921	25.0	2.0	2.0	U	2.0	U	2.0	U						
Lead	PB	ICP	IP100921	3.0	20.0	20.0	U	20.0	U	20.0	U						
Mercury	HG	CVA	HG100902	0.2	0.1												
Nickel	NI	ICP	IP100921	40.0	10.0	10.0	U	10.0	U	10.0	U						
Silver	AG	ICP	IP100921	10.0	3.0	3.0	U	3.0	U	3.0	U						
Zinc	ZN	ICP	IP100921	20.0	10.0	10.0	U	10.0	U	10.0	U						

Calibration Blanks

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco

SDG: LR71

UNITS:ug/L

ANALYTE	EL	METH	RUN	CRDL	IDL	ICB	C	CCB1	C	CCB2	C	CCB3	C	CCB4	C	CCB5	C
Antimony	SB	ICP	IP101021	60.0	50.0	50.0	U	50.0	U	50.0	U	50.0	U				
Arsenic	AS	ICP	IP101021	10.0	50.0	50.0	U	50.0	U	50.0	U	50.0	U				
Cadmium	CD	ICP	IP101021	5.0	2.0	2.0	U	2.0	U	2.0	U	2.0	U				
Chromium	CR	ICP	IP101021	10.0	5.0	5.0	U	5.0	U	5.0	U	5.0	U				
Copper	CU	ICP	IP101021	25.0	2.0	2.0	U	2.0	U	2.0	U	2.0	U				
Lead	PB	ICP	IP101021	3.0	20.0	20.0	U	20.0	U	20.0	U	20.0	U				
Nickel	NI	ICP	IP101021	40.0	10.0	10.0	U	10.0	U	10.0	U	10.0	U				
Silver	AG	ICP	IP101021	10.0	3.0	3.0	U	3.0	U	3.0	U	3.0	U				
Zinc	ZN	ICP	IP101021	20.0	10.0	10.0	U	10.0	U	10.0	U	10.0	U				

ICP Interference Check Sample

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

ICS SOURCE: I.V.

PROJECT: Kimberly Clark Anaco

RUNID: IP100921

SDG: LR71

INSTRUMENT ID: OPTIMA ICP 1

UNITS: ug/L

ANALYTE	ICSA TV	ICSAB TV	ICSA1	ICSAB1	%R	ICSA2	ICSAB2	%R	ICSA3	ICSAB3	%R
Aluminum	200000	200000	197828.8	199980.3	**100.0**						
Antimony		1000	-3.0	1036.4	**103.6**						
Arsenic		1000	15.7	1044.8	**104.5**						
Barium		1000	1.1	969.6	**97.0**						
Beryllium		1000	-0.1	1018.7	**101.9**						
Boron			12.1	14.8							
Cadmium		1000	0.2	1009.7	**101.0**						
Calcium	100000	100000	98764.2	99078.9	**99.1**						
Chromium		1000	3.6	966.3	**96.6**						
Cobalt		1000	-2.0	943.0	**94.3**						
Copper		1000	0.3	1084.6	**108.5**						
Iron	200000	200000	198688.8	198057.9	**99.0**						
Lead		1000	-5.6	982.9	**98.3**						
Magnesium	100000	100000	102155.2	102236.5	**102.2**						
Manganese		1000	0.5	988.2	**98.8**						
Molybdenum			6.0	5.1							
Nickel		1000	0.8	957.5	**95.8**						
Potassium			17.5	106.7							
Selenium		1000	-49.2	973.9	**97.4**						
Silicon			-8.7	-12.6							
Silver		1000	0.7	1070.6	**107.1**						
Sodium			13.9	13.2							
Strontium			0.1	-0.3							
Thallium		1000	-27.2	939.5	**94.0**						
Tin			-9.8	-13.0							
Titanium			5.7	5.5							
Vanadium		1000	-0.1	1021.1	**102.1**						
Zinc		1000	-10.6	940.5	**94.1**						

ICP Interference Check Sample

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco

SDG: LR71

ICS SOURCE: I.V.

RUNID: IP101021

INSTRUMENT ID: OPTIMA ICP 1

UNITS: ug/L

ANALYTE	ICSA TV	ICSAB TV	ICSA1	ICSAB1	%R	ICSA2	ICSAB2	%R	ICSA3	ICSAB3	%R
Aluminum	200000	200000	193438.4	194927.8	**97.5**						
Antimony		1000	1.4	1028.9	**102.9**						
Arsenic		1000	15.2	1035.6	**103.6**						
Barium		1000	1.3	960.8	**96.1**						
Beryllium		1000	-0.2	1007.5	**100.8**						
Boron			3.1	3.1							
Cadmium		1000	0.1	988.3	**98.8**						
Calcium	100000	100000	97194.1	97864.4	**97.9**						
Chromium		1000	3.7	970.1	**97.0**						
Cobalt		1000	-2.0	941.2	**94.1**						
Copper		1000	-1.2	1093.9	**109.4**						
Iron	200000	200000	195167.4	195445.1	**97.7**						
Lead		1000	-9.2	970.5	**97.1**						
Magnesium	100000	100000	97629.7	99834.2	**99.8**						
Manganese		1000	0.4	997.8	**99.8**						
Molybdenum			6.5	6.7							
Nickel		1000	2.6	951.8	**95.2**						
Potassium			52.2	189.5							
Selenium		1000	-50.7	948.8	**94.9**						
Silicon			-0.7	-1.9							
Silver		1000	1.0	1080.3	**108.0**						
Sodium			-6.8	-17.2							
Strontium			-0.2	-0.2							
Thallium		1000	-22.5	929.7	**93.0**						
Tin			-19.5	-19.0							
Titanium			7.0	6.7							
Vanadium		1000	-2.2	1035.0	**103.5**						
Zinc		1000	-11.0	936.1	**93.6**						

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IDLs and ICP Linear Ranges

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco

SDG: LR71 UNITS: ug/L

ANALYTE	EL	METH	INSTRUMENT	WAVELENTH (nm)	GFA BACK-GROUND	CLP CRDL	RL	RL DATE	ICP LINEAR RANGE (ug/L)	ICP LR DATE
Antimony	SB	ICP	OPTIMA ICP 1	206.84		60	50.0	3/4/2007	30000.0	6/29/2007
Arsenic	AS	ICP	OPTIMA ICP 1	188.98		10	50.0	3/4/2007	30000.0	6/29/2007
Cadmium	CD	ICP	OPTIMA ICP 1	228.80		5	2.0	3/4/2007	20000.0	6/29/2007
Chromium	CR	ICP	OPTIMA ICP 1	267.72		10	5.0	3/4/2007	100000.0	6/29/2007
Copper	CU	ICP	OPTIMA ICP 1	324.75		25	2.0	3/4/2007	40000.0	6/29/2007
Lead	PB	ICP	OPTIMA ICP 1	220.35		3	20.0	3/4/2007	300000.0	6/29/2007
Mercury	HG	CVA	CETAC MERCURY	253.70		0.2	0.1	3/4/2007		
Nickel	NI	ICP	OPTIMA ICP 1	231.60		40	10.0	3/4/2007	100000.0	6/29/2007
Silver	AG	ICP	OPTIMA ICP 1	328.07		10	3.0	3/4/2007	5000.0	6/29/2007
Zinc	ZN	ICP	OPTIMA ICP 1	206.20		20	10.0	3/4/2007	100000.0	6/29/2007

ICP Interelement Correction Factors

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco

IEC DATE: 9/11/2007

SDG: LR71

INSTRUMENT ID: OPTIMA ICP 1

ANALYTE	WAVELENGTH	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	15.8994000	0.0000000	0.0000000
Arsenic	188.98	0.1736430	0.0000000	0.0000000	0.0000000	0.0637634	0.0000000	0.0000000	0.2320080	0.0000000	0.0000000
Barium	233.53	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.2400030	0.0000000	0.0000000	0.0368432
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.80	0.0000000	6.5380200	0.0000000	0.0000000	0.0000000	0.0000000	0.0799514	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.5252110	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.1972200	0.0000000	0.0000000	-0.0203533
Cobalt	228.62	0.0000000	0.0000000	0.2229450	0.0000000	0.0000000	0.0000000	0.0000000	0.0465899	0.0000000	0.0161594
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.3418900	-0.0557763	0.0000000	-0.0955733
Iron	273.96	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	1.0603900	0.0000000	0.0000000	0.0000000
Lead	220.35	-0.3040220	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-1.8054000	0.9580110	0.0729461
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-1.1736200	-0.8183450	0.0000000	0.3877170
Manganese	257.61	0.0116705	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.0061590
Molybdenum	202.03	-0.0501015	0.0000000	0.0000000	0.0000000	0.0323197	0.0000000	0.0000000	0.0897393	0.0000000	-0.0288952
Nickel	231.60	0.0000000	0.0000000	0.2190010	0.0000000	0.0000000	0.0000000	-0.1442710	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	-0.1519620	0.0000000	0.0000000	0.0000000	-0.1078180	0.0000000	0.0000000	0.0000000	0.0000000	-0.1681040
Silicon	288.16	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.6311810	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.0332853
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	4.4874700	0.0000000	0.0000000	0.0000000	0.0000000	-1.6826000
Thallium	190.80	0.0000000	0.0000000	-0.5066080	0.0000000	0.0000000	0.0000000	6.1006300	0.2904360	0.0000000	0.0000000
Tin	189.93	0.0000000	0.0000000	0.0000000	0.0000000	-0.0227030	0.0000000	0.0000000	0.0000000	0.0000000	0.0664897
Titanium	334.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.2855820	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.5394910	0.0000000	-6.9386100	0.0000000	0.0784621
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	-0.0281493	0.0000000	0.0000000	0.4395040	0.0000000	0.0000000

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ICP Interelement Correction Factors

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco

IEC DATE: 9/11/2007

SDG: LR71

INSTRUMENT ID: OPTIMA ICP 1

ANALYTE	WAVELENGTH	MG	MN	MO	NI	PB	SB	TI	TL	V	ZN
Aluminum	308.22	0.0000000	0.0000000	24.7277000	0.0000000	0.0000000	0.0000000	1.3549700	0.0000000	14.1139000	0.000000C
Antimony	206.84	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-2.3932800	0.0000000	-5.2458300	-0.294468C
Arsenic	188.98	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	1.7184000	0.0000000	0.3523480	0.000000C
Barium	233.53	0.0000000	0.0000000	-0.4879310	0.1719700	0.0000000	0.0000000	0.0000000	0.0000000	0.5468680	0.000000C
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0184976	0.0000000	2.2751300	0.000000C
Cadmium	228.80	0.0000000	0.0000000	0.0000000	-0.2843050	0.0000000	0.0000000	0.0000000	0.0000000	0.0956422	0.000000C
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Chromium	267.72	0.0000000	0.2191670	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Cobalt	228.62	0.0000000	0.0000000	-0.7459860	0.0329157	0.0000000	0.0000000	1.9975100	0.0000000	0.0000000	0.000000C
Copper	324.75	0.0043691	0.0000000	0.3972830	0.0000000	0.0000000	0.0000000	0.2197220	0.0000000	0.0000000	0.000000C
Iron	273.96	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	2.3594600	0.000000C
Lead	220.35	0.0000000	0.0000000	0.0000000	0.1454220	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Magnesium	279.08	0.0000000	0.0000000	-2.1647300	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Manganese	257.61	0.0149747	0.0000000	0.0000000	0.0000000	-0.5479230	0.0000000	0.0000000	0.0000000	-0.0298108	0.000000C
Molybdenum	202.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.8214710	0.0000000	0.4070980	0.0000000	0.000000C
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Selenium	196.03	0.0000000	0.0000000	0.0000000	1.0052400	0.0000000	0.0000000	0.0000000	0.0000000	0.5995880	0.000000C
Silicon	288.16	0.0000000	0.0000000	-2.1224700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.1162180	0.000000C
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	88.5260000	0.0000000	0.0000000	24.630000C
Thallium	190.80	0.0000000	1.1495200	0.0000000	0.0000000	0.0000000	0.0000000	1.1376800	0.0000000	4.1882000	0.000000C
Tin	189.93	-0.0552105	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.2965780	0.0000000	0.0000000	0.000000C
Titanium	334.90	0.0000000	0.0000000	0.7542970	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Vanadium	292.40	0.0000000	-0.1199480	-5.5050200	0.0000000	0.0000000	0.0000000	0.8547440	0.0000000	0.0000000	0.000000C
Zinc	206.20	-0.0230610	0.0000000	0.3351940	0.0000000	-0.0772292	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C

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Preparation Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco

SDG: LR71

ANALYSIS METHOD: ICP

ARI PREP CODE: SWC

PREPDATE: 10/5/2007

CLIENT ID	ARI ID	MASS (g)	INITIAL VOLUME (mL)	FINAL VOLUME (mL)
AN-SS-01-070927	LR71A	1.052	0.0	50.0
AN-SS-01-070927D	LR71ADUP	1.053	0.0	50.0
AN-SS-01-070927S	LR71ASPK	1.054	0.0	50.0
AN-SS-02-070927	LR71B	1.069	0.0	50.0
AN-SS-03-070928	LR71C	1.057	0.0	50.0
AN-SS-07-070928	LR71D	1.037	0.0	50.0
AN-SS-10-070928	LR71E	1.088	0.0	50.0
AN-SS-11-070928	LR71F	1.044	0.0	50.0
AN-SS-04	LR71H	1.026	0.0	50.0
AN-SS-05	LR71I	1.034	0.0	50.0
AN-SS-06	LR71J	1.039	0.0	50.0
AN-SS-08	LR71K	1.099	0.0	50.0
AN-SS-09	LR71L	1.027	0.0	50.0
PBS	LR71MB	1.000	0.0	50.0
LCSS	LR71MBSPK	1.000	0.0	50.0

Preparation Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco

SDG: LR71

ANALYSIS METHOD: CVA

ARI PREP CODE: SMM

PREPDATE: 10/5/2007

CLIENT ID	ARI ID	MASS (g)	INITIAL VOLUME (mL)	FINAL VOLUME (mL)
AN-SS-01-070927	LR71A	0.248	0.0	100.0
AN-SS-01-070927D	LR71ADUP	0.249	0.0	100.0
AN-SS-01-070927S	LR71ASPK	0.250	0.0	100.0
AN-SS-02-070927	LR71B	0.294	0.0	100.0
AN-SS-03-070928	LR71C	0.208	0.0	100.0
AN-SS-07-070928	LR71D	0.204	0.0	100.0
AN-SS-10-070928	LR71E	0.232	0.0	100.0
AN-SS-11-070928	LR71F	0.242	0.0	100.0
AN-SS-04	LR71H	0.250	0.0	100.0
AN-SS-05	LR71I	0.290	0.0	100.0
AN-SS-06	LR71J	0.259	0.0	100.0
AN-SS-08	LR71K	0.207	0.0	100.0
AN-SS-09	LR71L	0.291	0.0	100.0
PBS	LR71MB	0.200	0.0	100.0
LCSW	LR71MBSPK	0.200	0.0	100.0

Analysis Run Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco | INSTRUMENT ID: OPTIMA ICP 1 | START DATE: 10/9/2007

SDG: LR71 | RUNID: IP100921 | METHOD: ICP | END DATE: 10/9/2007

CLIENT ID	ARI ID	DIL.	TIME	%R	AG	AL	AS	B	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	MO	NA	NI	PB	SB	SE	SI	SN	TI	TL	U	V	ZN
S0	S0	1.00	11395		X		X					X		X	X								X	X	X								X
S2	S2	1.00	11462									X		X	X																		
S3	S3	1.00	11504		X		X																X	X									X
S4	S4	1.00	11553																						X								
S5	S5	1.00	12002																														
ICV	ICV	1.00	12190		X		X					X		X	X								X	X	X								X
ICB	ICB	1.00	12253		X		X					X		X	X								X	X	X								X
CRI	CRII	1.00	12320		X		X					X		X	X								X	X	X								X
ICSA	ICSAI	1.00	12384		X		X					X		X	X								X	X	X								X
ICSAB	ICSABI	1.00	12451		X		X					X		X	X								X	X	X								X
CCV	CCV1	1.00	12514		X		X					X		X	X								X	X	X								X
CCB	CCB1	1.00	12582		X		X					X		X	X								X	X	X								X
ZZZZZZ	IDL1	1.00	13045																														
ZZZZZZ	IDL2	1.00	13112																														
ZZZZZZ	IDL3	1.00	13175																														
ZZZZZZ	IDL4	1.00	13242																														
ZZZZZZ	IDL5	1.00	13310																														
ZZZZZZ	IDL6	1.00	13373																														
ZZZZZZ	IDL7	1.00	13440																														
ZZZZZZ	IDL8	1.00	13503																														
ZZZZZZ	IDL9	1.00	13571																														
ZZZZZZ	IDL10	1.00	14034																														
CCV	CCV2	1.00	14101		X		X					X		X	X								X	X	X								X
CCB	CCB2	1.00	14165		X		X					X		X	X								X	X	X								X
ZZZZZZ	LR67MBSPK	2.00	14214																														
ZZZZZZ	LR67B	2.00	14282																														
ZZZZZZ	LR67C	2.00	14344																														
ZZZZZZ	LR67D	2.00	14411																														
ZZZZZZ	LR67E	2.00	14473																														
ZZZZZZ	LR67F	2.00	14541																														
ZZZZZZ	LR67ADUP	2.00	15003																														
ZZZZZZ	LR67A	5.00	15080																														
ZZZZZZ	LR67ASPK	5.00	15143																														
ZZZZZZ	LR67MB	2.00	15205																														
CCV	CCV3	1.00	15272		X		X					X		X	X								X	X	X								X

FORM XIV

Analysis Run Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco | INSTRUMENT ID: OPTIMA ICP 1 | START DATE: 10/9/2007

SDG: LR71 | RUNID: IP100921 | METHOD: ICP | END DATE: 10/9/2007

CLIENT ID	ARI ID	DIL.	TIME	%R	AG	AL	AS	B	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	MO	NA	NI	PB	SB	SE	SI	SN	TI	TL	U	V	ZN
CCB	CCB3	1.00	15335		X		X					X		X	X								X	X	X								X
CCV	CCV4	1.00	15442		X		X					X		X	X								X	X	X								X
CCB	CCB4	1.00	15510		X		X					X		X	X								X	X	X								X
ZZZZZZ	LR67L	2.00	15573																														
ZZZZZZ	LR67M	2.00	16040																														
ZZZZZZ	LR67N	2.00	16102																														
ZZZZZZ	LR67O	2.00	16165																														
ZZZZZZ	LR67P	2.00	16232																														
ZZZZZZ	LR67Q	2.00	16294																														
ZZZZZZ	LR67S	2.00	16362																														
ZZZZZZ	LR67T	2.00	16424																														
ZZZZZZ	LR67U	2.00	16490																														
ZZZZZZ	LR67V	2.00	16552																														
CCV	CCV5	1.00	17015		X		X					X		X	X								X	X	X								X
CCB	CCB5	1.00	17083		X		X					X		X	X								X	X	X								X
PBS	LR71MB	2.00	17150		X		X					X		X	X								X	X	X								X
ZZZZZZ	LR67W	2.00	17214																														
ZZZZZZ	LR67X	2.00	17282																														
AN-SS-02-070927	LR71B	2.00	17345		X		X					X		X	X								X	X	X								X
AN-SS-03-070928	LR71C	2.00	17413		X		X					X		X	X								X	X	X								X
AN-SS-07-070928	LR71D	2.00	17483		X		X					X		X	X								X	X	X								X
AN-SS-01-070927D	LR71ADUP	2.00	17550		X		X					X		X	X								X	X	X								X
AN-SS-01-070927	LR71A	2.00	18014		X		X					X		X	X								X	X	X								X
AN-SS-01-070927S	LR71ASPK	2.00	18082		X		X					X		X	X								X	X	X								X
LCSS	LR71MBSPK	2.00	18145		X		X					X		X	X								X	X	X								X
CCV	CCV6	1.00	18212		X		X					X		X	X								X	X	X								X
CCB	CCB6	1.00	18280		X		X					X		X	X								X	X	X								X
ZZZZZZ	LS71MB	2.00	18343																														
ZZZZZZ	LR67D	2.00	18410																														
ZZZZZZ	LS71B	2.00	18473																														
ZZZZZZ	LS71C	2.00	18535																														
ZZZZZZ	LS71D	2.00	19001																														
ZZZZZZ	LS71E	2.00	19063																														
ZZZZZZ	LS71ADUP	2.00	19125																														
ZZZZZZ	LS71A	2.00	19191																														

FORM XIV

Analysis Run Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco | INSTRUMENT ID: OPTIMA ICP 1 | START DATE: 10/9/2007

SDG: LR71 | RUNID: IP100921 | METHOD: ICP | END DATE: 10/9/2007

CLIENT ID	ARI ID	DIL.	TIME	%R	AG	AL	AS	B	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	MO	NA	NI	PB	SB	SE	SI	SN	TI	TL	U	V	ZN
ZZZZZZ	LS71ASPK	2.00	19254																														
ZZZZZZ	LS71MBSPK	2.00	19320																														
CCV	CCV7	1.00	19384		X		X					X		X	X								X	X	X								X
CCB	CCB7	1.00	19451		X		X					X		X	X								X	X	X								X
ZZZZZZ	LR67MB	2.00	19514																														
ZZZZZZ	LR67C	2.00	19582																														
ZZZZZZ	LR67E	2.00	20045																														
AN-SS-10-070928	LR71E	2.00	20113		X		X					X		X	X								X	X	X								X
AN-SS-11-070928	LR71F	2.00	20182		X		X					X		X	X								X	X	X								X
AN-SS-04	LR71H	2.00	20250																														
AN-SS-05	LR71I	2.00	20312		X		X					X		X	X								X	X	X								X
AN-SS-06	LR71J	2.00	20375		X		X					X		X	X								X	X	X								X
AN-SS-08	LR71K	2.00	20443		X		X					X		X	X								X	X	X								X
AN-SS-09	LR71L	2.00	20511		X		X					X		X	X								X	X	X								X
CCV	CCV8	1.00	20574		X		X					X		X	X								X	X	X								X
CCB	CCB8	1.00	21041		X		X					X		X	X								X	X	X								X

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Analysis Run Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco | INSTRUMENT ID: OPTIMA ICP 1 | START DATE: 10/10/2007

SDG: LR71 | RUNID: IP101021 | METHOD: ICP | END DATE: 10/10/2007

CLIENT ID	ARI ID	DIL.	TIME	%R	AG	AL	AS	B	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	MO	NA	NI	PB	SB	SE	SI	SN	TI	TL	U	V	ZN
S0	S0	1.00	10375		X		X					X		X	X								X	X	X								X
S2	S2	1.00	10442									X		X	X																		
S3	S3	1.00	10484		X		X																X	X									X
S4	S4	1.00	10533																						X								
S5	S5	1.00	10582																														
ICV	ICV	1.00	11182		X		X					X		X	X								X	X	X								X
ICB	ICB	1.00	11250		X		X					X		X	X								X	X	X								X
ZZZZZZ	ZZZZZZ	1.00	11313																														
S0	S0	1.00	11372		X		X					X		X	X								X	X	X								X
CCV	CCV1	1.00	11422		X		X					X		X	X								X	X	X								X
CCB	CCB1	1.00	11485		X		X					X		X	X								X	X	X								X
CRI	CRII	1.00	11552		X		X					X		X	X								X	X	X								X
ICSA	ICSAI	1.00	12020		X		X					X		X	X								X	X	X								X
ICSAB	ICSABI	1.00	12083		X		X					X		X	X								X	X	X								X
CCV	CCV2	1.00	12150		X		X					X		X	X								X	X	X								X
CCB	CCB2	1.00	12214		X		X					X		X	X								X	X	X								X
ZZZZZZ	LS34MB	1.00	12281																														
ZZZZZZ	LS96MB	5.00	12344																														
ZZZZZZ	LS96B	5.00	12413																														
ZZZZZZ	LS96ADUP	5.00	12482																														
ZZZZZZ	LS96A	5.00	12551																														
ZZZZZZ	LS96ASPK	5.00	13020																														
ZZZZZZ	LS34A	1.00	13085																														
ZZZZZZ	LS34ASPK	1.00	13154																														
AN-SS-04	LR71H	5.00	13222		X		X					X		X	X								X	X	X								X
ZZZZZZ	LS34MBSPK	1.00	13290																														
CCV	CCV3	1.00	13353		X		X					X		X	X								X	X	X								X
CCB	CCB3	1.00	13420		X		X					X		X	X								X	X	X								X

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Analysis Run Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: Kimberly Clark Anaco | INSTRUMENT ID: CETAC MERCURY | START DATE: 10/9/2007

SDG: LR71 | RUNID: HG100902 | METHOD: CVA | END DATE: 10/9/2007

CLIENT ID	ARI ID	DIL.	TIME	%R	AG	AL	AS	B	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	MO	NA	NI	PB	SB	SE	SI	SN	TI	TL	U	V	ZN
S0	S0	1.00	10544														X																
S0.1	S0.1	1.00	10561														X																
S0.5	S0.5	1.00	10575														X																
S1	S1	1.00	10593														X																
S2	S2	1.00	11011														X																
S5	S5	1.00	11024														X																
S10	S10	1.00	11042														X																
ICV	AICV	1.00	11073														X																
ICB	ICB	1.00	11091														X																
CCV	ACCV1	1.00	11104														X																
CCB	CCB1	1.00	11122														X																
CRA	CRA	1.00	11140														X																
PBW	LR71MB	1.00	11154														X																
LCSW	LR71MBSPK	1.00	11171														X																
AN-SS-01-070927	LR71A	1.00	11185														X																
AN-SS-01-070927D	LR71ADUP	1.00	11203														X																
AN-SS-01-070927S	LR71ASPK	1.00	11220														X																
AN-SS-02-070927	LR71B	1.00	11234														X																
AN-SS-03-070928	LR71C	1.00	11252														X																
AN-SS-07-070928	LR71D	1.00	11265														X																
AN-SS-10-070928	LR71E	1.00	11283														X																
CCV	ACCV2	1.00	11301														X																
CCB	CCB2	1.00	11315														X																
AN-SS-11-070928	LR71F	1.00	11333														X																
AN-SS-04	LR71H	1.00	11350														X																
AN-SS-05	LR71I	1.00	11364														X																
AN-SS-06	LR71J	1.00	11381														X																
AN-SS-08	LR71K	1.00	11395														X																
AN-SS-09	LR71L	1.00	11413														X																
ZZZZZZ	LR67MB	1.00	11430																														
ZZZZZZ	LR67MBSPK	1.00	11444																														
ZZZZZZ	LR67A	1.00	11462																														
ZZZZZZ	LR67ADUP	1.00	11480																														
CCV	ACCV3	1.00	11494														X																
CCB	CCB3	1.00	11512														X																

FORM XIV

Metals Analysis
Sample Data

prepared
for

ANCHOR ENVIRONMENTAL

Project : KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-01-070927
SAMPLE

Lab Sample ID: LR71A
LIMS ID: 07-20766
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Percent Total Solids: 55.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	9	9	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	9	9	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.9**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.9	**20.1**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**26.2**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**8**	
CLP	10/05/07	7471A	10/09/07	7439-97-6	Mercury	0.07	0.07	U
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	2	**14**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.5	0.5	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	2	**45**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-02-070927
SAMPLE

Lab Sample ID: LR71B
LIMS ID: 07-20767
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Percent Total Solids: 50.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	9	9	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	9	9	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.4	**0.9**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.9	**20.2**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.4	**153**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	4	**33**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.07	**0.19**	
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	2	**16**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.6	0.6	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	2	**65**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-03-070928
SAMPLE

Lab Sample ID: LR71C
LIMS ID: 07-20768
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Percent Total Solids: 65.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	7	7	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	7	7	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.4**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.7	**12.1**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**58.2**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**6**	
CLP	10/05/07	7471A	10/09/07	7439-97-6	Mercury	0.07	0.07	U
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	1	**10**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.4	0.4	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	1	**30**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-07-070928
SAMPLE

Lab Sample ID: LR71D
LIMS ID: 07-20769
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Percent Total Solids: 67.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	7	7	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	7	7	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.4**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.7	**14.9**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**69.7**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**15**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.07	**0.14**	
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	1	**13**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.4	0.4	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	1	**35**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-10-070928
SAMPLE

Lab Sample ID: LR71E
LIMS ID: 07-20770
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Percent Total Solids: 69.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	7	7	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	7	7	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.5**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.7	**18.2**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**42.1**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**9**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.06	**0.12**	
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	1	**18**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.4	0.4	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	1	**37**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-11-070928
SAMPLE

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Percent Total Solids: 63.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	8	8	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	8	8	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.5**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.8	**25.5**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**37.6**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**26**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.06	**0.15**	
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	2	**19**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.5	0.5	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	2	**48**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-04
SAMPLE

Lab Sample ID: LR71H
LIMS ID: 07-20773
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Percent Total Solids: 62.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/10/07	7440-36-0	Antimony	20	20	U
3050B	10/05/07	6010B	10/10/07	**7440-38-2**	**Arsenic**	20	**20**	
3050B	10/05/07	6010B	10/10/07	7440-43-9	Cadmium	0.8	0.8	U
3050B	10/05/07	6010B	10/10/07	**7440-47-3**	**Chromium**	2	**42**	
3050B	10/05/07	6010B	10/10/07	**7440-50-8**	**Copper**	0.8	**215**	
3050B	10/05/07	6010B	10/10/07	**7439-92-1**	**Lead**	8	**388**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.06	**0.31**	
3050B	10/05/07	6010B	10/10/07	**7440-02-0**	**Nickel**	4	**46**	
3050B	10/05/07	6010B	10/10/07	7440-22-4	Silver	1	1	U
3050B	10/05/07	6010B	10/10/07	**7440-66-6**	**Zinc**	4	**267**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-05
SAMPLE

Lab Sample ID: LR71I
LIMS ID: 07-20774
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Percent Total Solids: 59.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	8	8	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	8	8	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.5**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.8	**14.0**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**138**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**39**	
CLP	10/05/07	7471A	10/09/07	7439-97-6	Mercury	0.06	0.06	U
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	2	**10**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.5	0.5	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	2	**33**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-06
SAMPLE

Lab Sample ID: LR71J
LIMS ID: 07-20775
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Percent Total Solids: 70.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	7	7	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	7	7	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.3**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.7	**34.2**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**45.7**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**136**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.05	**0.28**	
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	1	**23**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.4	0.4	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	1	**65**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-08
SAMPLE

Lab Sample ID: LR71K
LIMS ID: 07-20776
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Percent Total Solids: 58.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	8	8	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	8	8	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.7**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.8	**40.6**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**106**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**61**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.08	**0.36**	
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	2	**55**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.5	0.5	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	2	**106**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-09
SAMPLE

Lab Sample ID: LR71L
LIMS ID: 07-20777
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Percent Total Solids: 76.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	6	6	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	6	6	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.3**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.6	**34.8**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**58.6**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**117**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.04	**3.24**	
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	1	**38**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.4	0.4	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	1	**122**	

U-Analyte undetected at given RL
RL-Reporting Limit

Metals Analysis
Instrument Raw Data and Run Logs

prepared
for

ANCHOR ENVIRONMENTAL

Project : KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

OPTIMA ICP SAMPLE RUN LOG

IEC Date: 9.11.07 Analysis Date: 10.9.07 Analyst: RW

LR Date: 6.29.07 Page: 1 of 4

All corrections made by analyst unless otherwise noted. 10.9.07 RW

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		~~sa~~ std 0			2419-2
		std 2			-12
		3			-13
		4			-14
		5			-15
		ICV			2405-7
		ICB			
		CRI			
		ICSA			
		ICSAB			
		CCV			
		CCB			
		IDL 1			
		2			
		3			
		4			
		5			
		6			
		7			
		8			
		9			
		10			
		CCV			
		CCB			

Analytical Resources, Incorporated
Analytical Chemists and Consultants

OPTIMA ICP SAMPLE RUN LOG

IEC Date: — Analysis Date: 10.9.07 Analyst: BLW

LR Date: — Page: 2 of 4

All corrections made by analyst unless otherwise noted. 10.9.07 BLW

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
MBsph	✓	LR67 MBsph	SWC	2 ✓	CBout
	✓	B			Fe high - rerun 1/5
		C			
		D			Ni noisy
		E			
		F			
	✓	Adup		✓	Fe high
DIL		A		5	
↓		Asph		5	
MB	✓	MB ~~MBsph~~	✓	2	Zn .05
		CCV			
		CCB			Zn high
		CCV			
		CCB			
		LR67L	SWC	2	
		M			
		N			
		O			
		P			
		Q			
		RS			
		T			
		U			Ni noisy - OK
		V			

Analytical Resources, Incorporated
Analytical Chemists and Consultants

OPTIMA ICP SAMPLE RUN LOG

IEC Date: — Analysis Date: 10.9.07 Analyst: BW

LR Date: — Page: 3 of 4

All corrections made by analyst unless otherwise noted.

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		CCV			
		CCB			
		LR71 MB	Sux	2	
		LR67 W			
		↓ X			
		LR71 B			
		C			
		D			
		Adup		✓	
		A			
		Asph			Sb 20%
		MBSph		✓	
		CCV			Sn low
		CCB			
		LS71 MB	Sux	2	
		LR67 D			
		LS71 B			
		C			
		D			
		E			
		Adup		✓	
		A			
		Asph			Cu 163% CAF
		MBSph		✓	

Analytical Resources, Incorporated
Analytical Chemists and Consultants

OPTIMA ICP SAMPLE RUN LOG

IEC Date: — Analysis Date: 10.9.07 Analyst: BW

LR Date: — Page: 4 of 4

All corrections made by analyst unless otherwise noted.

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		CCV			Sn low
		CCB			
		LR67MB	SWC	2	
		C			
		E			
		LR71E			
		F			
	✓	H			Fe high - rerun 1/5
		I			
		J			
		K			
		L			
		CCV			Sn low
		CCB			
		LR67F	SWC	2	
		B		5	
		Adup		✓	
		A			
		Asdi			Sb 27% CuPbZnSn
		DI			Cl. check
		DI			↓
		LR67MBsdi	SWC	2 ✓	
		CCV			Sn low
		CCB			

10/11/07

ANALYTICAL RESOURCES INCORPORATED

Metals Data Review Checklist

Method: (ICP/ICP-MS GFA CVA **Analysis Date:** 10.9.07

	Analyst 8w0 10.10	Peer AM0 10	Comment
Logbook:			
Analyst, Date, Method info	✓	✓	
Sample ID's	✓	✓	
Standard/QC solution ID's recorded	✓	✓	
Prep codes	✓	✓	
Dilution factors	✓	✓	
Crossouts/Corrections/Deletions	✓	✓	
Calibration:			
Blank & Standard intensities	✓	✓	
Standard deviations	✓	✓	
Curve fit	✓	✓	
Calibration Verification:			
ICV/CCV	✓	✓	see log
ICB/CCB	✓	✓	↓
Samples:			
RSD's & SD's	✓	✓	
Internal Standards	✓	✓	
Carry-over	✓	✓	see log
Method QC:			
CRI/CRA	✓	✓	
ICSA/ICSAB	✓	✓	
Post Spikes/Serial Dilutions	✓		
Analytic Spikes	✓		
Matrix QC:			
SRM/LCS	✓	✓	
Matrix Spikes	✓	✓	LS71 LR67 LR71
Matrix Duplicates	✓	✓	
Method Blanks	✓	✓	
Data Distribution:			
Requested elements/isotope identified	✓	✓	
Correct samples identified for distribution	✓	✓	
Raw data match distributed data	✓	✓	
Data filename correct	✓	✓	
Necessary Analysts Notes and CAF's	✓	✓	LS71 LR67 LR71

10/10/07 #5

Nebulizer Parameters: Hg_ReAlign

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

10/9/2007 11:14:30 AM Hg ReAlign... Actual peak offset (nm): -0.000
Drift (nm): -0.001 Slit adjustment: -3

Align View XY Axial for analyte Mn 257.610

X-position	Y-position	Intensity
-2.0	15.0	322494.6
-1.6	15.0	430825.8
-1.2	15.0	531640.3
-0.8	15.0	608595.7
-0.4	15.0	637361.2
0.0	15.0	592826.0
0.4	15.0	540888.6
0.8	15.0	449249.6
1.2	15.0	363657.5
1.6	15.0	282481.3
2.0	15.0	218180.9
-0.4	10.0	7476.6
-0.4	10.5	29311.5
-0.4	11.0	53587.6
-0.4	11.5	85510.4
-0.4	12.0	126384.7
-0.4	12.5	252982.2
-0.4	13.0	339205.9
-0.4	13.5	441621.7
-0.4	14.0	539232.6
-0.4	14.5	641015.3
-0.4	15.0	625865.2
-0.4	15.5	573027.3
-0.4	16.0	472767.2
-0.4	16.5	279549.8
-0.4	17.0	209785.2
-0.4	17.5	148524.6
-0.4	18.0	97004.1
-0.4	18.5	61512.8
-0.4	19.0	20186.3
-0.4	19.5	8969.2
-0.4	20.0	3644.5
-1.2	14.5	555956.3
-0.8	14.5	610299.4
-0.4	14.5	643366.9
0.0	14.5	629356.9
0.4	14.5	557612.2
-0.4	12.5	269736.8
-0.4	13.0	341621.2
-0.4	13.5	435405.2
-0.4	14.0	543469.6
-0.4	14.5	654141.8
-0.4	15.0	635802.1
-0.4	15.5	560975.8
-0.4	16.0	473601.8
-0.4	16.5	288286.6

10/9/2007 11:18:47 AM aligned for analyte Mn 257.610
X viewing position set to -0.4 mm having Peak intensity 654141.8 for Axial viewing
Y viewing position set to 14.5 mm having Peak intensity 654141.8 for Axial viewing

Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-7.0	15.0	411.7
-6.5	15.0	559.6
-6.0	15.0	759.6
-5.5	15.0	1422.0
-5.0	15.0	3458.4
-4.5	15.0	8818.2

-4.0	15.0	20248.5
-3.5	15.0	43584.7
-3.0	15.0	79935.5
-2.5	15.0	138995.6
-2.0	15.0	211267.5
-1.5	15.0	239287.4
-1.0	15.0	226847.9
-0.5	15.0	270288.0
0.0	15.0	413259.6
0.5	15.0	404593.9
1.0	15.0	362518.6
1.5	15.0	307355.8
2.0	15.0	245925.7
2.5	15.0	165170.4
3.0	15.0	91694.9
3.5	15.0	33620.7
4.0	15.0	32943.0
4.5	15.0	27636.5
5.0	15.0	16625.2
5.5	15.0	7715.1
6.0	15.0	3933.2
6.5	15.0	3402.9
7.0	15.0	3038.0

10/9/2007 11:22:04 AM aligned for analyte Mn 257.610
X viewing position set to 0.0 mm having Peak intensity 413259.6 for Radial viewing

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Nebulizer Parameters: Hg_ReAlign

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

==========

10/9/2007 11:39:25 AM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): -0.000 Slit adjustment: -3

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Analysis Begun

Start Time: 10/9/2007 11:39:49 AM **Plasma On Time: 10/9/2007 10:26:33 AM**
Logged In Analyst: metals **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N0060101Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\CRISET I.sif
Batch ID:
Results Data Set: PE071009
Results Library: C:\pe\Administrator\Results\Results.mdb

==========

Method Loaded
Method Name: ARIIEC6 **Method Last Saved: 9/12/2007 7:12:16 AM**
IEC File: IEC33MC.iec **MSF File:**
Method Description: 12Axial Elements

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Al 308.215	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
B 249.677	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ba 233.527	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Be 313.042	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Cd 228.802	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Cr 267.716	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Cu 324.752	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Fe 273.955	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	ScR 361.383	No
Mg 279.077	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes

Na 589.592	Lin Thru 0	Peak Area	Radial	ScR 361.383	No
Na 330.237	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ni 231.604	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Si 288.158	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Sr 421.552	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ti 334.903	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Tl 190.801	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
V 292.402	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Zn 206.200	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
ScA 357.253	Lin, Calc Int	Peak Area	Axial	n/a	n/a
ScR 361.383	Lin, Calc Int	Peak Area	Radial	n/a	n/a

Sequence No.: 1 **Autosampler Location: 1**
Sample ID: Calib Blank 1 **Date Collected: 10/9/2007 11:39:50 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: Calib Blank 1

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1784523.2	1489.65	0.08%	100.0	%
ScR 361.383	146667.0	226.79	0.15%	100.0	%
Ag 328.068†	4327.1	46.36	1.07%	[0.00]	mg/L
Al 308.215†	-223.2	30.74	13.77%	[0.00]	mg/L
As 188.979†	69.4	1.83	2.63%	[0.00]	mg/L
B 249.677†	75.4	3.59	4.76%	[0.00]	mg/L
Ba 233.527†	17.8	4.77	26.80%	[0.00]	mg/L
Be 313.042†	1089.8	10.36	0.95%	[0.00]	mg/L
Ca 317.933†	210.1	16.50	7.85%	[0.00]	mg/L
Cd 228.802†	2.3	1.85	80.98%	[0.00]	mg/L
Co 228.616†	441.3	3.29	0.75%	[0.00]	mg/L
Cr 267.716†	-67.4	3.59	5.32%	[0.00]	mg/L
Cu 324.752†	2410.4	14.89	0.62%	[0.00]	mg/L
Fe 273.955†	-155.6	0.96	0.62%	[0.00]	mg/L
K 766.490†	1973.4	52.07	2.64%	[0.00]	mg/L
Mg 279.077†	-25.6	4.99	19.50%	[0.00]	mg/L
Mn 257.610†	88.4	3.72	4.21%	[0.00]	mg/L
Mo 202.031†	-132.9	0.52	0.39%	[0.00]	mg/L
Na 589.592†	336.8	14.00	4.16%	[0.00]	mg/L
Na 330.237†	101.7	2.78	2.73%	[0.00]	mg/L
Ni 231.604†	1.6	0.99	60.58%	[0.00]	mg/L
Pb 220.353†	266.2	5.47	2.06%	[0.00]	mg/L
Sb 206.836†	-10.8	5.24	48.70%	[0.00]	mg/L
Se 196.026†	-100.7	3.51	3.49%	[0.00]	mg/L
Si 288.158†	-43.4	15.73	36.23%	[0.00]	mg/L
Sn 189.927†	43.9	2.29	5.21%	[0.00]	mg/L
Sr 421.552†	-6354.1	28.71	0.45%	[0.00]	mg/L
Ti 334.903†	-227.2	26.00	11.44%	[0.00]	mg/L
Tl 190.801†	-58.6	6.93	11.84%	[0.00]	mg/L
V 292.402†	568.9	10.91	1.92%	[0.00]	mg/L
Zn 206.200†	-20.2	2.94	14.56%	[0.00]	mg/L

Sequence No.: 2
Sample ID: STD2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 10/9/2007 11:46:20 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD2

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: STD2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1801597.8	5617.75	0.31%	101.0	%
ScR 361.383	152163.1	77.40	0.05%	103.7	%
Ba 233.527†	57375.3	27.80	0.05%	[10]	mg/L
Cd 228.802†	418956.6	2177.18	0.52%	[10]	mg/L
Co 228.616†	532091.1	1330.78	0.25%	[10]	mg/L
Cr 267.716†	42224.4	109.02	0.26%	[10]	mg/L
Cu 324.752†	2203618.2	1296.40	0.06%	[10]	mg/L
Mn 257.610†	293060.6	1159.43	0.40%	[10]	mg/L
V 292.402†	1197674.1	5404.95	0.45%	[10]	mg/L

Sequence No.: 3
Sample ID: STD3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/9/2007 11:50:42 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD3

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: STD3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1793156.2	9266.17	0.52%	100.5	%
ScR 361.383	152862.2	1198.05	0.78%	104.2	%
Ag 328.068†	162193.6	397.14	0.24%	[1.0]	mg/L
As 188.979†	11835.1	103.54	0.87%	[10]	mg/L
B 249.677†	19987.5	165.58	0.83%	[10]	mg/L
Be 313.042†	1396628.6	1642.17	0.12%	[5.0]	mg/L
Na 589.592†	103278.2	492.85	0.48%	[50]	mg/L
Ni 231.604†	12415.6	145.00	1.17%	[10]	mg/L
Pb 220.353†	70674.0	382.24	0.54%	[10]	mg/L
Se 196.026†	11279.8	49.15	0.44%	[10]	mg/L
Sr 421.552†	1542102.0	5750.47	0.37%	[5]	mg/L
Tl 190.801†	21052.3	158.86	0.75%	[10]	mg/L
Zn 206.200†	10677.5	109.36	1.02%	[10]	mg/L

Sequence No.: 4
Sample ID: STD4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 10/9/2007 11:55:36 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD4

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: STD4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1823974.2	7795.17	0.43%	102.2	%
ScR 361.383	152125.4	355.49	0.23%	103.7	%
Mo 202.031†	63460.8	159.06	0.25%	[10]	mg/L
Sb 206.836†	21256.4	52.12	0.25%	[10]	mg/L
Si 288.158†	17430.9	72.02	0.41%	[10]	mg/L
Sn 189.927†	33471.8	150.10	0.45%	[10]	mg/L
Ti 334.903†	209815.2	1077.29	0.51%	[10]	mg/L

Sequence No.: 5
Sample ID: STD5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 10/9/2007 12:00:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD5

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: STD5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1772206.8	8402.06	0.47%	99.31	%
ScR 361.383	148856.3	221.12	0.15%	101.5	%
Al 308.215†	50328.6	192.25	0.38%	[30]	mg/L
Ca 317.933†	310655.9	773.55	0.25%	[30]	mg/L
Fe 273.955†	124102.8	432.24	0.35%	[100]	mg/L
K 766.490†	136497.8	388.94	0.28%	[100]	mg/L
Mg 279.077†	37636.2	197.77	0.53%	[30]	mg/L
Na 330.237†	2308.1	14.36	0.62%	[100]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	162200	0.00000	1.000000	
Al 308.215	1	Lin Thru 0	0.0	1678	0.00000	1.000000	
As 188.979	1	Lin Thru 0	0.0	1184	0.00000	1.000000	
B 249.677	1	Lin Thru 0	0.0	1999	0.00000	1.000000	
Ba 233.527	1	Lin Thru 0	0.0	5738	0.00000	1.000000	
Be 313.042	1	Lin Thru 0	0.0	279300	0.00000	1.000000	
Ca 317.933	1	Lin Thru 0	0.0	10360	0.00000	1.000000	
Cd 228.802	1	Lin Thru 0	0.0	41900	0.00000	1.000000	
Co 228.616	1	Lin Thru 0	0.0	53210	0.00000	1.000000	
Cr 267.716	1	Lin Thru 0	0.0	4222	0.00000	1.000000	
Cu 324.752	1	Lin Thru 0	0.0	220400	0.00000	1.000000	
Fe 273.955	1	Lin Thru 0	0.0	1241	0.00000	1.000000	
K 766.490	1	Lin Thru 0	0.0	1365	0.00000	1.000000	
Mg 279.077	1	Lin Thru 0	0.0	1255	0.00000	1.000000	
Mn 257.610	1	Lin Thru 0	0.0	29310	0.00000	1.000000	
Mo 202.031	1	Lin Thru 0	0.0	6346	0.00000	1.000000	
Na 589.592	1	Lin Thru 0	0.0	2066	0.00000	1.000000	
Na 330.237	1	Lin Thru 0	0.0	23.08	0.00000	1.000000	
Ni 231.604	1	Lin Thru 0	0.0	1242	0.00000	1.000000	
Pb 220.353	1	Lin Thru 0	0.0	7067	0.00000	1.000000	
Sb 206.836	1	Lin Thru 0	0.0	2126	0.00000	1.000000	
Se 196.026	1	Lin Thru 0	0.0	1128	0.00000	1.000000	
Si 288.158	1	Lin Thru 0	0.0	1743	0.00000	1.000000	
Sn 189.927	1	Lin Thru 0	0.0	3347	0.00000	1.000000	
Sr 421.552	1	Lin Thru 0	0.0	308400	0.00000	1.000000	
Ti 334.903	1	Lin Thru 0	0.0	20980	0.00000	1.000000	
Tl 190.801	1	Lin Thru 0	0.0	2105	0.00000	1.000000	
V 292.402	1	Lin Thru 0	0.0	119800	0.00000	1.000000	
Zn 206.200	1	Lin Thru 0	0.0	1068	0.00000	1.000000	

Analysis Begun

Start Time: 10/9/2007 12:18:59 PM
Logged In Analyst: metals
Spectrometer Model: Optima 4300 DV, S/N 077N0060101
Plasma On Time: 10/9/2007 10:26:33 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\CRISET I.sif
Batch ID:
Results Data Set: PE071009
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Sample ID: CV
Analyst:
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 7
Date Collected: 10/9/2007 12:19:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1794532.5	100.6	%	0.78				0.78%
ScR 361.383	152948.7	104.3	%	0.63				0.60%
Ag 328.068†	162689.0	1.003	mg/L	0.0084	1.003	mg/L	0.0084	0.83%
Al 308.215†	3370.5	1.970	mg/L	0.0112	1.970	mg/L	0.0112	0.57%
As 188.979†	2390.4	2.017	mg/L	0.0204	2.017	mg/L	0.0204	1.01%
B 249.677†	1953.4	0.9758	mg/L	0.00401	0.9758	mg/L	0.00401	0.41%
Ba 233.527†	5562.2	0.9694	mg/L	0.00506	0.9694	mg/L	0.00506	0.52%
Be 313.042†	277296.6	0.9905	mg/L	0.00598	0.9905	mg/L	0.00598	0.60%
Ca 317.933†	21093.6	2.037	mg/L	0.0108	2.037	mg/L	0.0108	0.53%
Cd 228.802†	42377.9	0.9984	mg/L	0.00716	0.9984	mg/L	0.00716	0.72%
Co 228.616†	51148.5	0.9597	mg/L	0.00658	0.9597	mg/L	0.00658	0.69%
Cr 267.716†	4070.5	0.9640	mg/L	0.00435	0.9640	mg/L	0.00435	0.45%
Cu 324.752†	230934.7	1.048	mg/L	0.0081	1.048	mg/L	0.0081	0.77%
Fe 273.955†	2480.9	1.996	mg/L	0.0107	1.996	mg/L	0.0107	0.54%
K 766.490†	27709.1	20.30	mg/L	0.200	20.30	mg/L	0.200	0.99%
Mg 279.077†	2538.3	2.026	mg/L	0.0105	2.026	mg/L	0.0105	0.52%
Mn 257.610†	28436.8	0.9714	mg/L	0.00141	0.9714	mg/L	0.00141	0.14%
Mo 202.031†	6144.1	0.9681	mg/L	0.01006	0.9681	mg/L	0.01006	1.04%
Na 589.592†	101036.1	48.91	mg/L	0.285	48.91	mg/L	0.285	0.58%
Na 330.237†	1186.1	51.05	mg/L	0.437	51.05	mg/L	0.437	0.86%
Ni 231.604†	1211.3	0.9772	mg/L	0.00568	0.9772	mg/L	0.00568	0.58%
Pb 220.353†	14230.3	2.015	mg/L	0.0150	2.015	mg/L	0.0150	0.74%
Sb 206.836†	4295.6	2.019	mg/L	0.0171	2.019	mg/L	0.0171	0.85%
Se 196.026†	2222.0	1.969	mg/L	0.0204	1.969	mg/L	0.0204	1.04%
Si 288.158†	3562.7	2.047	mg/L	0.0133	2.047	mg/L	0.0133	0.65%
Sn 189.927†	3027.3	0.9048	mg/L	0.00871	0.9048	mg/L	0.00871	0.96%
Sr 421.552†	304285.4	0.9865	mg/L	0.00824	0.9865	mg/L	0.00824	0.84%
Ti 334.903†	20850.6	0.9928	mg/L	0.00641	0.9928	mg/L	0.00641	0.65%
Tl 190.801†	4116.4	1.943	mg/L	0.0213	1.943	mg/L	0.0213	1.10%
V 292.402†	117688.9	0.9938	mg/L	0.00740	0.9938	mg/L	0.00740	0.74%
Zn 206.200†	1069.0	1.001	mg/L	0.0046	1.001	mg/L	0.0046	0.46%

Sequence No.: 2
Sample ID: CB
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/9/2007 12:25:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1810356.0	101.4	%	0.80				0.79%
ScR 361.383	153712.4	104.8	%	0.55				0.52%
Ag 328.068†	53.6	0.00033	mg/L	0.000273	0.00033	mg/L	0.000273	82.65%
Al 308.215†	22.4	0.01328	mg/L	0.006761	0.01328	mg/L	0.006761	50.91%
As 188.979†	5.5	0.00464	mg/L	0.002577	0.00464	mg/L	0.002577	55.49%
B 249.677†	14.2	0.00711	mg/L	0.000222	0.00711	mg/L	0.000222	3.12%
Ba 233.527†	3.1	0.00054	mg/L	0.000787	0.00054	mg/L	0.000787	144.75%
Be 313.042†	17.9	0.00006	mg/L	0.000059	0.00006	mg/L	0.000059	92.74%
Ca 317.933†	-11.6	-0.00112	mg/L	0.002075	-0.00112	mg/L	0.002075	184.91%
Cd 228.802†	8.4	0.00017	mg/L	0.000075	0.00017	mg/L	0.000075	44.22%
Co 228.616†	1.4	0.00003	mg/L	0.000104	0.00003	mg/L	0.000104	389.12%
Cr 267.716†	1.5	0.00035	mg/L	0.000558	0.00035	mg/L	0.000558	159.34%
Cu 324.752†	158.6	0.00072	mg/L	0.000369	0.00072	mg/L	0.000369	51.27%
Fe 273.955†	2.6	0.00208	mg/L	0.005505	0.00208	mg/L	0.005505	265.03%
K 766.490†	-30.9	-0.02265	mg/L	0.037386	-0.02265	mg/L	0.037386	165.03%
Mg 279.077†	8.7	0.00697	mg/L	0.017979	0.00697	mg/L	0.017979	258.05%
Mn 257.610†	-0.6	-0.00002	mg/L	0.000253	-0.00002	mg/L	0.000253	>999.9%
Mo 202.031†	11.0	0.00174	mg/L	0.000591	0.00174	mg/L	0.000591	34.04%
Na 589.592†	37.7	0.01827	mg/L	0.008701	0.01827	mg/L	0.008701	47.63%
Na 330.237†	-9.9	-0.4303	mg/L	0.43009	-0.4303	mg/L	0.43009	99.95%
Ni 231.604†	-2.3	-0.00184	mg/L	0.000854	-0.00184	mg/L	0.000854	46.30%
Pb 220.353†	6.8	0.00096	mg/L	0.000780	0.00096	mg/L	0.000780	80.98%
Sb 206.836†	-1.0	-0.00045	mg/L	0.002808	-0.00045	mg/L	0.002808	623.59%
Se 196.026†	-0.6	-0.00050	mg/L	0.003855	-0.00050	mg/L	0.003855	775.94%
Si 288.158†	-5.4	-0.00311	mg/L	0.004874	-0.00311	mg/L	0.004874	156.64%
Sn 189.927†	8.7	0.00260	mg/L	0.001275	0.00260	mg/L	0.001275	49.10%
Sr 421.552†	87.2	0.00028	mg/L	0.000061	0.00028	mg/L	0.000061	21.58%
Ti 334.903†	13.6	0.00064	mg/L	0.000782	0.00064	mg/L	0.000782	121.25%
Tl 190.801†	9.6	0.00454	mg/L	0.002060	0.00454	mg/L	0.002060	45.42%
V 292.402†	8.5	0.00008	mg/L	0.000061	0.00008	mg/L	0.000061	74.37%
Zn 206.200†	-0.9	-0.00087	mg/L	0.000387	-0.00087	mg/L	0.000387	44.55%

Sequence No.: 3
Sample ID: CRI
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 21
Date Collected: 10/9/2007 12:32:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CRI

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1805802.6	101.2	%	0.34				0.33%
ScR 361.383	153416.2	104.6	%	1.15				1.10%
Ag 328.068†	532.1	0.00328	mg/L	0.000593	0.00328	mg/L	0.000593	18.06%
Al 308.215†	85.8	0.05097	mg/L	0.001001	0.05097	mg/L	0.001001	1.96%
As 188.979†	68.0	0.05743	mg/L	0.003951	0.05743	mg/L	0.003951	6.88%
B 249.677†	44.1	0.02206	mg/L	0.001364	0.02206	mg/L	0.001364	6.18%
Ba 233.527†	16.4	0.00285	mg/L	0.001021	0.00285	mg/L	0.001021	35.78%
Be 313.042†	280.4	0.00100	mg/L	0.000019	0.00100	mg/L	0.000019	1.94%
Ca 317.933†	542.4	0.05237	mg/L	0.002517	0.05237	mg/L	0.002517	4.81%
Cd 228.802†	99.4	0.00200	mg/L	0.000227	0.00200	mg/L	0.000227	11.35%
Co 228.616†	163.1	0.00306	mg/L	0.000152	0.00306	mg/L	0.000152	4.98%
Cr 267.716†	23.4	0.00555	mg/L	0.001050	0.00555	mg/L	0.001050	18.94%
Cu 324.752†	646.9	0.00294	mg/L	0.000259	0.00294	mg/L	0.000259	8.81%
Fe 273.955†	65.4	0.05266	mg/L	0.001192	0.05266	mg/L	0.001192	2.26%
K 766.490†	641.0	0.4696	mg/L	0.01257	0.4696	mg/L	0.01257	2.68%
Mg 279.077†	73.9	0.05892	mg/L	0.015052	0.05892	mg/L	0.015052	25.54%
Mn 257.610†	28.6	0.00099	mg/L	0.000019	0.00099	mg/L	0.000019	1.88%
Mo 202.031†	38.7	0.00610	mg/L	0.000528	0.00610	mg/L	0.000528	8.67%
Na 589.592†	1117.0	0.5408	mg/L	0.00527	0.5408	mg/L	0.00527	0.98%
Na 330.237†	-3.1	-0.1386	mg/L	0.32631	-0.1386	mg/L	0.32631	235.43%
Ni 231.604†	14.5	0.01170	mg/L	0.001765	0.01170	mg/L	0.001765	15.09%
Pb 220.353†	144.8	0.02051	mg/L	0.000574	0.02051	mg/L	0.000574	2.80%
Sb 206.836†	106.9	0.05030	mg/L	0.003527	0.05030	mg/L	0.003527	7.01%
Se 196.026†	56.5	0.05006	mg/L	0.005213	0.05006	mg/L	0.005213	10.41%
Si 288.158†	114.4	0.06564	mg/L	0.003183	0.06564	mg/L	0.003183	4.85%
Sn 189.927†	38.7	0.01157	mg/L	0.000216	0.01157	mg/L	0.000216	1.87%
Sr 421.552†	339.2	0.00110	mg/L	0.000154	0.00110	mg/L	0.000154	14.03%
Ti 334.903†	95.5	0.00455	mg/L	0.000289	0.00455	mg/L	0.000289	6.36%
Tl 190.801†	106.0	0.05031	mg/L	0.002911	0.05031	mg/L	0.002911	5.79%
V 292.402†	365.5	0.00312	mg/L	0.000353	0.00312	mg/L	0.000353	11.33%
Zn 206.200†	11.3	0.01056	mg/L	0.000824	0.01056	mg/L	0.000824	7.80%

Sequence No.: 4
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 22
Date Collected: 10/9/2007 12:38:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1751012.2	98.12	%	0.223				0.23%
ScR 361.383	154967.9	105.7	%	1.15				1.09%
Ag 328.068†	-962.6	0.00068	mg/L	0.000423	0.00068	mg/L	0.000423	62.17%
Al 308.215†	331881.7	197.8	mg/L	0.18	197.8	mg/L	0.18	0.09%
As 188.979†	67.4	0.01575	mg/L	0.006815	0.01575	mg/L	0.006815	43.27%
B 249.677†	-8.9	0.01207	mg/L	0.003463	0.01207	mg/L	0.003463	28.68%
Ba 233.527†	48.5	0.00113	mg/L	0.000534	0.00113	mg/L	0.000534	47.29%
Be 313.042†	-6.6	-0.00006	mg/L	0.000130	-0.00006	mg/L	0.000130	219.84%
Ca 317.933†	1022722.9	98.76	mg/L	0.283	98.76	mg/L	0.283	0.29%
Cd 228.802†	23.7	0.00019	mg/L	0.000101	0.00019	mg/L	0.000101	52.63%
Co 228.616†	66.5	-0.00197	mg/L	0.000164	-0.00197	mg/L	0.000164	8.31%
Cr 267.716†	-1.7	0.00363	mg/L	0.000685	0.00363	mg/L	0.000685	18.88%
Cu 324.752†	-4023.9	0.00028	mg/L	0.000115	0.00028	mg/L	0.000115	40.75%
Fe 273.955†	246578.4	198.7	mg/L	0.11	198.7	mg/L	0.11	0.06%
K 766.490†	23.9	0.01751	mg/L	0.027064	0.01751	mg/L	0.027064	154.58%
Mg 279.077†	128254.6	102.2	mg/L	0.31	102.2	mg/L	0.31	0.30%
Mn 257.610†	93.6	0.00055	mg/L	0.000211	0.00055	mg/L	0.000211	38.50%
Mo 202.031†	-4.3	0.00605	mg/L	0.001455	0.00605	mg/L	0.001455	24.06%
Na 589.592†	28.7	0.01388	mg/L	0.017078	0.01388	mg/L	0.017078	123.08%
Na 330.237†	-0.5	-0.1208	mg/L	0.69060	-0.1208	mg/L	0.69060	571.69%
Ni 231.604†	1.0	0.00082	mg/L	0.003958	0.00082	mg/L	0.003958	479.97%
Pb 220.353†	-362.2	-0.00558	mg/L	0.001484	-0.00558	mg/L	0.001484	26.58%
Sb 206.836†	-6.5	-0.00299	mg/L	0.002883	-0.00299	mg/L	0.002883	96.31%
Se 196.026†	-139.1	-0.04923	mg/L	0.006667	-0.04923	mg/L	0.006667	13.54%
Si 288.158†	-15.1	-0.00865	mg/L	0.005866	-0.00865	mg/L	0.005866	67.80%
Sn 189.927†	-14.9	-0.00976	mg/L	0.002124	-0.00976	mg/L	0.002124	21.75%
Sr 421.552†	720.0	0.00012	mg/L	0.000116	0.00012	mg/L	0.000116	93.70%
Ti 334.903†	119.8	0.00571	mg/L	0.000657	0.00571	mg/L	0.000657	11.50%
Tl 190.801†	-57.2	-0.02723	mg/L	0.002056	-0.02723	mg/L	0.002056	7.55%
V 292.402†	1853.8	-0.00012	mg/L	0.000154	-0.00012	mg/L	0.000154	126.14%
Zn 206.200†	-14.2	-0.01055	mg/L	0.001769	-0.01055	mg/L	0.001769	16.76%

Sequence No.: 5
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 23
Date Collected: 10/9/2007 12:45:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1755438.9	98.37	%	0.169				0.17%
ScR 361.383	151302.3	103.2	%	0.23				0.22%
Ag 328.068†	172558.5	1.071	mg/L	0.0014	1.071	mg/L	0.0014	0.13%
Al 308.215†	335515.0	200.0	mg/L	0.31	200.0	mg/L	0.31	0.16%
As 188.979†	1286.4	1.045	mg/L	0.0045	1.045	mg/L	0.0045	0.43%
B 249.677†	2.6	0.01479	mg/L	0.001566	0.01479	mg/L	0.001566	10.59%
Ba 233.527†	5607.9	0.9696	mg/L	0.00572	0.9696	mg/L	0.00572	0.59%
Be 313.042†	285191.0	1.019	mg/L	0.0019	1.019	mg/L	0.0019	0.18%
Ca 317.933†	1025986.6	99.08	mg/L	0.217	99.08	mg/L	0.217	0.22%
Cd 228.802†	42595.7	1.010	mg/L	0.0061	1.010	mg/L	0.0061	0.60%
Co 228.616†	50365.4	0.9430	mg/L	0.00374	0.9430	mg/L	0.00374	0.40%
Cr 267.716†	4063.3	0.9663	mg/L	0.00218	0.9663	mg/L	0.00218	0.23%
Cu 324.752†	234856.7	1.085	mg/L	0.0015	1.085	mg/L	0.0015	0.13%
Fe 273.955†	245799.6	198.1	mg/L	0.31	198.1	mg/L	0.31	0.16%
K 766.490†	145.7	0.1067	mg/L	0.04422	0.1067	mg/L	0.04422	41.43%
Mg 279.077†	128353.8	102.2	mg/L	0.19	102.2	mg/L	0.19	0.19%
Mn 257.610†	29023.2	0.9882	mg/L	0.00309	0.9882	mg/L	0.00309	0.31%
Mo 202.031†	-10.7	0.00505	mg/L	0.000423	0.00505	mg/L	0.000423	8.38%
Na 589.592†	27.2	0.01318	mg/L	0.004912	0.01318	mg/L	0.004912	37.27%
Na 330.237†	17.0	0.1335	mg/L	0.16207	0.1335	mg/L	0.16207	121.40%
Ni 231.604†	1187.9	0.9575	mg/L	0.00282	0.9575	mg/L	0.00282	0.29%
Pb 220.353†	6615.0	0.9829	mg/L	0.00409	0.9829	mg/L	0.00409	0.42%
Sb 206.836†	2223.6	1.036	mg/L	0.0046	1.036	mg/L	0.0046	0.44%
Se 196.026†	1016.4	0.9739	mg/L	0.00281	0.9739	mg/L	0.00281	0.29%
Si 288.158†	-23.0	-0.01262	mg/L	0.005507	-0.01262	mg/L	0.005507	43.64%
Sn 189.927†	-25.9	-0.01302	mg/L	0.002461	-0.01302	mg/L	0.002461	18.90%
Sr 421.552†	624.2	-0.00026	mg/L	0.000216	-0.00026	mg/L	0.000216	84.48%
Ti 334.903†	120.3	0.00546	mg/L	0.000530	0.00546	mg/L	0.000530	9.71%
Tl 190.801†	2001.0	0.9395	mg/L	0.00397	0.9395	mg/L	0.00397	0.42%
V 292.402†	123347.4	1.021	mg/L	0.0019	1.021	mg/L	0.0019	0.19%
Zn 206.200†	1001.6	0.9405	mg/L	0.00107	0.9405	mg/L	0.00107	0.11%

Sequence No.: 6
Sample ID: CV
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 10/9/2007 12:51:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1786646.7	100.1	%	0.40				0.40%
ScR 361.383	153397.1	104.6	%	0.43				0.41%
Ag 328.068†	163817.0	1.010	mg/L	0.0115	1.010	mg/L	0.0115	1.14%
Al 308.215†	3352.5	1.959	mg/L	0.0069	1.959	mg/L	0.0069	0.35%
As 188.979†	2381.7	2.010	mg/L	0.0097	2.010	mg/L	0.0097	0.48%
B 249.677†	1939.6	0.9688	mg/L	0.00710	0.9688	mg/L	0.00710	0.73%
Ba 233.527†	5566.6	0.9701	mg/L	0.00328	0.9701	mg/L	0.00328	0.34%
Be 313.042†	279562.5	0.9986	mg/L	0.00152	0.9986	mg/L	0.00152	0.15%
Ca 317.933†	21369.7	2.063	mg/L	0.0003	2.063	mg/L	0.0003	0.01%
Cd 228.802†	42994.7	1.013	mg/L	0.0029	1.013	mg/L	0.0029	0.28%
Co 228.616†	51922.8	0.9742	mg/L	0.00762	0.9742	mg/L	0.00762	0.78%
Cr 267.716†	4069.8	0.9639	mg/L	0.00292	0.9639	mg/L	0.00292	0.30%
Cu 324.752†	232503.6	1.055	mg/L	0.0085	1.055	mg/L	0.0085	0.81%
Fe 273.955†	2483.6	1.998	mg/L	0.0100	1.998	mg/L	0.0100	0.50%
K 766.490†	27564.0	20.19	mg/L	0.056	20.19	mg/L	0.056	0.28%
Mg 279.077†	2551.6	2.037	mg/L	0.0047	2.037	mg/L	0.0047	0.23%
Mn 257.610†	28550.7	0.9753	mg/L	0.00321	0.9753	mg/L	0.00321	0.33%
Mo 202.031†	6165.0	0.9714	mg/L	0.00443	0.9714	mg/L	0.00443	0.46%
Na 589.592†	100281.5	48.55	mg/L	0.235	48.55	mg/L	0.235	0.48%
Na 330.237†	1181.7	50.85	mg/L	0.183	50.85	mg/L	0.183	0.36%
Ni 231.604†	1216.6	0.9815	mg/L	0.00540	0.9815	mg/L	0.00540	0.55%
Pb 220.353†	14473.1	2.049	mg/L	0.0106	2.049	mg/L	0.0106	0.52%
Sb 206.836†	4290.1	2.016	mg/L	0.0101	2.016	mg/L	0.0101	0.50%
Se 196.026†	2225.5	1.972	mg/L	0.0128	1.972	mg/L	0.0128	0.65%
Si 288.158†	3542.3	2.035	mg/L	0.0173	2.035	mg/L	0.0173	0.85%
Sn 189.927†	3062.9	0.9154	mg/L	0.00346	0.9154	mg/L	0.00346	0.38%
Sr 421.552†	304071.8	0.9858	mg/L	0.00046	0.9858	mg/L	0.00046	0.05%
Ti 334.903†	20922.9	0.9962	mg/L	0.00240	0.9962	mg/L	0.00240	0.24%
Tl 190.801†	4146.8	1.958	mg/L	0.0079	1.958	mg/L	0.0079	0.40%
V 292.402†	118526.8	1.001	mg/L	0.0091	1.001	mg/L	0.0091	0.91%
Zn 206.200†	1075.9	1.007	mg/L	0.0045	1.007	mg/L	0.0045	0.44%

Sequence No.: 7
Sample ID: CB
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/9/2007 12:58:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1793387.1	100.5	%	0.36				0.36%
ScR 361.383	149962.1	102.2	%	1.14				1.11%
Ag 328.068†	166.4	0.00103	mg/L	0.000298	0.00103	mg/L	0.000298	29.04%
Al 308.215†	-13.8	-0.00821	mg/L	0.003619	-0.00821	mg/L	0.003619	44.10%
As 188.979†	2.7	0.00232	mg/L	0.002817	0.00232	mg/L	0.002817	121.22%
B 249.677†	20.2	0.01010	mg/L	0.001899	0.01010	mg/L	0.001899	18.79%
Ba 233.527†	5.8	0.00101	mg/L	0.000650	0.00101	mg/L	0.000650	64.29%
Be 313.042†	31.7	0.00011	mg/L	0.000100	0.00011	mg/L	0.000100	88.56%
Ca 317.933†	47.4	0.00458	mg/L	0.001887	0.00458	mg/L	0.001887	41.25%
Cd 228.802†	1.9	0.00003	mg/L	0.000103	0.00003	mg/L	0.000103	339.10%
Co 228.616†	15.7	0.00029	mg/L	0.000158	0.00029	mg/L	0.000158	53.55%
Cr 267.716†	1.5	0.00035	mg/L	0.001695	0.00035	mg/L	0.001695	479.74%
Cu 324.752†	154.4	0.00070	mg/L	0.000281	0.00070	mg/L	0.000281	40.14%
Fe 273.955†	0.2	0.00013	mg/L	0.000848	0.00013	mg/L	0.000848	660.85%
K 766.490†	-12.1	-0.00889	mg/L	0.040097	-0.00889	mg/L	0.040097	450.92%
Mg 279.077†	8.4	0.00669	mg/L	0.007932	0.00669	mg/L	0.007932	118.65%
Mn 257.610†	4.4	0.00015	mg/L	0.000214	0.00015	mg/L	0.000214	143.32%
Mo 202.031†	1.4	0.00022	mg/L	0.000319	0.00022	mg/L	0.000319	142.70%
Na 589.592†	47.6	0.02304	mg/L	0.005809	0.02304	mg/L	0.005809	25.22%
Na 330.237†	-16.1	-0.6985	mg/L	0.50647	-0.6985	mg/L	0.50647	72.50%
Ni 231.604†	3.9	0.00313	mg/L	0.001885	0.00313	mg/L	0.001885	60.19%
Pb 220.353†	9.3	0.00132	mg/L	0.000803	0.00132	mg/L	0.000803	61.02%
Sb 206.836†	-8.5	-0.00397	mg/L	0.001214	-0.00397	mg/L	0.001214	30.60%
Se 196.026†	-5.4	-0.00478	mg/L	0.003163	-0.00478	mg/L	0.003163	66.19%
Si 288.158†	5.7	0.00326	mg/L	0.004022	0.00326	mg/L	0.004022	123.24%
Sn 189.927†	8.4	0.00251	mg/L	0.001366	0.00251	mg/L	0.001366	54.49%
Sr 421.552†	-70.6	-0.00023	mg/L	0.000130	-0.00023	mg/L	0.000130	56.86%
Ti 334.903†	-4.2	-0.00020	mg/L	0.002617	-0.00020	mg/L	0.002617	>999.9%
Tl 190.801†	9.7	0.00460	mg/L	0.000866	0.00460	mg/L	0.000866	18.85%
V 292.402†	40.9	0.00035	mg/L	0.000278	0.00035	mg/L	0.000278	80.49%
Zn 206.200†	1.0	0.00097	mg/L	0.000827	0.00097	mg/L	0.000827	85.69%

Sequence No.: 8
Sample ID: IDL1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/9/2007 1:04:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL1

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: IDL1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1797032.5	100.7	%	0.47				0.47%
ScR 361.383	151741.1	103.5	%	0.64				0.62%
Ag 328.068†	74.7	0.00046	mg/L	0.000426	0.00046	mg/L	0.000426	92.44%
Al 308.215†	-5.5	-0.00329	mg/L	0.018267	-0.00329	mg/L	0.018267	554.90%
As 188.979†	5.3	0.00448	mg/L	0.001746	0.00448	mg/L	0.001746	38.99%
B 249.677†	6.3	0.00315	mg/L	0.000730	0.00315	mg/L	0.000730	23.19%
Ba 233.527†	3.0	0.00052	mg/L	0.000527	0.00052	mg/L	0.000527	101.68%
Be 313.042†	42.1	0.00015	mg/L	0.000073	0.00015	mg/L	0.000073	48.51%
Ca 317.933†	33.0	0.00319	mg/L	0.001337	0.00319	mg/L	0.001337	41.91%
Cd 228.802†	5.9	0.00011	mg/L	0.000092	0.00011	mg/L	0.000092	81.52%
Co 228.616†	14.6	0.00028	mg/L	0.000119	0.00028	mg/L	0.000119	42.99%
Cr 267.716†	3.6	0.00086	mg/L	0.001142	0.00086	mg/L	0.001142	132.28%
Cu 324.752†	125.3	0.00057	mg/L	0.000196	0.00057	mg/L	0.000196	34.42%
Fe 273.955†	-3.4	-0.00278	mg/L	0.001756	-0.00278	mg/L	0.001756	63.23%
K 766.490†	-34.2	-0.02505	mg/L	0.013267	-0.02505	mg/L	0.013267	52.96%
Mg 279.077†	6.9	0.00549	mg/L	0.015925	0.00549	mg/L	0.015925	290.22%
Mn 257.610†	0.9	0.00003	mg/L	0.000169	0.00003	mg/L	0.000169	547.82%
Mo 202.031†	3.9	0.00062	mg/L	0.000267	0.00062	mg/L	0.000267	43.25%
Na 589.592†	72.4	0.03505	mg/L	0.005354	0.03505	mg/L	0.005354	15.27%
Na 330.237†	-6.7	-0.2903	mg/L	0.59657	-0.2903	mg/L	0.59657	205.54%
Ni 231.604†	4.2	0.00335	mg/L	0.001997	0.00335	mg/L	0.001997	59.67%
Pb 220.353†	6.2	0.00088	mg/L	0.000690	0.00088	mg/L	0.000690	78.47%
Sb 206.836†	-2.1	-0.00099	mg/L	0.001179	-0.00099	mg/L	0.001179	119.04%
Se 196.026†	-5.0	-0.00446	mg/L	0.003290	-0.00446	mg/L	0.003290	73.69%
Si 288.158†	-18.1	-0.01037	mg/L	0.009692	-0.01037	mg/L	0.009692	93.44%
Sn 189.927†	8.4	0.00251	mg/L	0.000719	0.00251	mg/L	0.000719	28.67%
Sr 421.552†	-121.3	-0.00039	mg/L	0.000197	-0.00039	mg/L	0.000197	50.21%
Ti 334.903†	-30.6	-0.00146	mg/L	0.000100	-0.00146	mg/L	0.000100	6.89%
Tl 190.801†	5.2	0.00246	mg/L	0.000763	0.00246	mg/L	0.000763	30.97%
V 292.402†	27.5	0.00024	mg/L	0.000394	0.00024	mg/L	0.000394	163.82%
Zn 206.200†	-0.1	-0.00010	mg/L	0.000627	-0.00010	mg/L	0.000627	619.00%

Sequence No.: 9
Sample ID: IDL2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/9/2007 1:11:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL2

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: IDL2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1796223.4	100.7	%	0.36				0.36%
ScR 361.383	152951.5	104.3	%	0.60				0.57%
Ag 328.068†	123.2	0.00076	mg/L	0.000388	0.00076	mg/L	0.000388	51.11%
Al 308.215†	-11.7	-0.00696	mg/L	0.015125	-0.00696	mg/L	0.015125	217.43%
As 188.979†	2.7	0.00227	mg/L	0.005738	0.00227	mg/L	0.005738	253.05%
B 249.677†	3.1	0.00156	mg/L	0.002107	0.00156	mg/L	0.002107	135.42%
Ba 233.527†	1.9	0.00033	mg/L	0.000684	0.00033	mg/L	0.000684	209.33%
Be 313.042†	28.5	0.00010	mg/L	0.000081	0.00010	mg/L	0.000081	80.08%
Ca 317.933†	51.4	0.00497	mg/L	0.003121	0.00497	mg/L	0.003121	62.83%
Cd 228.802†	-3.1	-0.00009	mg/L	0.000159	-0.00009	mg/L	0.000159	179.72%
Co 228.616†	9.9	0.00019	mg/L	0.000222	0.00019	mg/L	0.000222	118.92%
Cr 267.716†	-0.4	-0.00009	mg/L	0.001707	-0.00009	mg/L	0.001707	>999.9%
Cu 324.752†	144.8	0.00066	mg/L	0.000114	0.00066	mg/L	0.000114	17.32%
Fe 273.955†	1.0	0.00080	mg/L	0.001903	0.00080	mg/L	0.001903	237.98%
K 766.490†	-5.7	-0.00417	mg/L	0.017916	-0.00417	mg/L	0.017916	429.99%
Mg 279.077†	6.4	0.00507	mg/L	0.014320	0.00507	mg/L	0.014320	282.51%
Mn 257.610†	4.8	0.00016	mg/L	0.000152	0.00016	mg/L	0.000152	93.88%
Mo 202.031†	-0.3	-0.00005	mg/L	0.001353	-0.00005	mg/L	0.001353	>999.9%
Na 589.592†	36.8	0.01782	mg/L	0.006020	0.01782	mg/L	0.006020	33.78%
Na 330.237†	0.7	0.03073	mg/L	0.545664	0.03073	mg/L	0.545664	>999.9%
Ni 231.604†	1.6	0.00131	mg/L	0.001065	0.00131	mg/L	0.001065	81.04%
Pb 220.353†	0.7	0.00009	mg/L	0.000584	0.00009	mg/L	0.000584	638.72%
Sb 206.836†	-6.0	-0.00283	mg/L	0.003553	-0.00283	mg/L	0.003553	125.60%
Se 196.026†	-1.8	-0.00158	mg/L	0.002263	-0.00158	mg/L	0.002263	143.40%
Si 288.158†	-2.3	-0.00134	mg/L	0.008733	-0.00134	mg/L	0.008733	649.81%
Sn 189.927†	7.0	0.00208	mg/L	0.000955	0.00208	mg/L	0.000955	45.95%
Sr 421.552†	-98.1	-0.00032	mg/L	0.000109	-0.00032	mg/L	0.000109	34.32%
Ti 334.903†	-19.3	-0.00092	mg/L	0.001690	-0.00092	mg/L	0.001690	183.28%
Tl 190.801†	4.7	0.00222	mg/L	0.001003	0.00222	mg/L	0.001003	45.16%
V 292.402†	11.9	0.00010	mg/L	0.000096	0.00010	mg/L	0.000096	96.58%
Zn 206.200†	-1.3	-0.00123	mg/L	0.001694	-0.00123	mg/L	0.001694	137.49%

Sequence No.: 10
Sample ID: IDL3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/9/2007 1:17:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL3

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: IDL3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1797209.6	100.7	%	0.47				0.47%
ScR 361.383	152069.7	103.7	%	0.30				0.29%
Ag 328.068†	101.4	0.00062	mg/L	0.000620	0.00062	mg/L	0.000620	99.27%
Al 308.215†	-11.7	-0.00701	mg/L	0.003005	-0.00701	mg/L	0.003005	42.87%
As 188.979†	4.3	0.00363	mg/L	0.002373	0.00363	mg/L	0.002373	65.31%
B 249.677†	9.2	0.00461	mg/L	0.002860	0.00461	mg/L	0.002860	62.01%
Ba 233.527†	-4.6	-0.00081	mg/L	0.000436	-0.00081	mg/L	0.000436	53.99%
Be 313.042†	45.8	0.00016	mg/L	0.000051	0.00016	mg/L	0.000051	31.03%
Ca 317.933†	47.5	0.00459	mg/L	0.000396	0.00459	mg/L	0.000396	8.62%
Cd 228.802†	4.7	0.00009	mg/L	0.000036	0.00009	mg/L	0.000036	40.89%
Co 228.616†	9.5	0.00018	mg/L	0.000120	0.00018	mg/L	0.000120	68.16%
Cr 267.716†	3.5	0.00082	mg/L	0.000636	0.00082	mg/L	0.000636	77.70%
Cu 324.752†	110.2	0.00050	mg/L	0.000228	0.00050	mg/L	0.000228	45.66%
Fe 273.955†	-2.4	-0.00193	mg/L	0.002650	-0.00193	mg/L	0.002650	137.22%
K 766.490†	-42.1	-0.03083	mg/L	0.021881	-0.03083	mg/L	0.021881	70.97%
Mg 279.077†	2.7	0.00214	mg/L	0.016008	0.00214	mg/L	0.016008	748.15%
Mn 257.610†	2.2	0.00008	mg/L	0.000064	0.00008	mg/L	0.000064	84.43%
Mo 202.031†	3.0	0.00047	mg/L	0.000597	0.00047	mg/L	0.000597	127.75%
Na 589.592†	34.1	0.01651	mg/L	0.003911	0.01651	mg/L	0.003911	23.70%
Na 330.237†	-21.3	-0.9245	mg/L	0.23327	-0.9245	mg/L	0.23327	25.23%
Ni 231.604†	3.0	0.00242	mg/L	0.006803	0.00242	mg/L	0.006803	280.87%
Pb 220.353†	2.1	0.00029	mg/L	0.000193	0.00029	mg/L	0.000193	66.56%
Sb 206.836†	-1.3	-0.00060	mg/L	0.001758	-0.00060	mg/L	0.001758	294.66%
Se 196.026†	-0.1	-0.00009	mg/L	0.003700	-0.00009	mg/L	0.003700	>999.9%
Si 288.158†	-7.3	-0.00417	mg/L	0.005255	-0.00417	mg/L	0.005255	126.09%
Sn 189.927†	7.4	0.00220	mg/L	0.001171	0.00220	mg/L	0.001171	53.27%
Sr 421.552†	-121.8	-0.00039	mg/L	0.000094	-0.00039	mg/L	0.000094	23.78%
Ti 334.903†	21.5	0.00102	mg/L	0.000107	0.00102	mg/L	0.000107	10.41%
Tl 190.801†	3.1	0.00146	mg/L	0.001404	0.00146	mg/L	0.001404	96.07%
V 292.402†	1.2	0.00002	mg/L	0.000127	0.00002	mg/L	0.000127	728.74%
Zn 206.200†	-0.3	-0.00032	mg/L	0.000727	-0.00032	mg/L	0.000727	224.08%

Sequence No.: 11
Sample ID: IDL4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/9/2007 1:24:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL4

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: IDL4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1797716.4	100.7	%	0.70				0.69%
ScR 361.383	151173.8	103.1	%	0.21				0.20%
Ag 328.068†	51.4	0.00032	mg/L	0.000243	0.00032	mg/L	0.000243	76.75%
Al 308.215†	16.1	0.00957	mg/L	0.008414	0.00957	mg/L	0.008414	87.92%
As 188.979†	0.3	0.00029	mg/L	0.004979	0.00029	mg/L	0.004979	>999.9%
B 249.677†	9.6	0.00478	mg/L	0.002481	0.00478	mg/L	0.002481	51.91%
Ba 233.527†	3.8	0.00067	mg/L	0.000195	0.00067	mg/L	0.000195	29.26%
Be 313.042†	48.0	0.00017	mg/L	0.000044	0.00017	mg/L	0.000044	25.80%
Ca 317.933†	74.7	0.00721	mg/L	0.000831	0.00721	mg/L	0.000831	11.53%
Cd 228.802†	-4.9	-0.00012	mg/L	0.000086	-0.00012	mg/L	0.000086	72.87%
Co 228.616†	5.9	0.00011	mg/L	0.000119	0.00011	mg/L	0.000119	106.91%
Cr 267.716†	8.5	0.00202	mg/L	0.000545	0.00202	mg/L	0.000545	27.01%
Cu 324.752†	137.0	0.00062	mg/L	0.000235	0.00062	mg/L	0.000235	37.77%
Fe 273.955†	-2.5	-0.00199	mg/L	0.002922	-0.00199	mg/L	0.002922	146.64%
K 766.490†	26.9	0.01970	mg/L	0.061255	0.01970	mg/L	0.061255	310.97%
Mg 279.077†	-0.9	-0.00074	mg/L	0.008897	-0.00074	mg/L	0.008897	>999.9%
Mn 257.610†	3.8	0.00013	mg/L	0.000286	0.00013	mg/L	0.000286	223.23%
Mo 202.031†	4.0	0.00062	mg/L	0.000954	0.00062	mg/L	0.000954	152.87%
Na 589.592†	41.9	0.02031	mg/L	0.007529	0.02031	mg/L	0.007529	37.07%
Na 330.237†	-14.0	-0.6050	mg/L	0.13084	-0.6050	mg/L	0.13084	21.62%
Ni 231.604†	-0.7	-0.00057	mg/L	0.000971	-0.00057	mg/L	0.000971	170.65%
Pb 220.353†	3.8	0.00054	mg/L	0.000582	0.00054	mg/L	0.000582	107.38%
Sb 206.836†	-0.5	-0.00027	mg/L	0.002399	-0.00027	mg/L	0.002399	890.61%
Se 196.026†	-1.7	-0.00146	mg/L	0.007098	-0.00146	mg/L	0.007098	485.29%
Si 288.158†	-5.3	-0.00302	mg/L	0.008629	-0.00302	mg/L	0.008629	285.65%
Sn 189.927†	4.5	0.00136	mg/L	0.000968	0.00136	mg/L	0.000968	71.33%
Sr 421.552†	-116.3	-0.00038	mg/L	0.000139	-0.00038	mg/L	0.000139	36.79%
Ti 334.903†	2.1	0.00010	mg/L	0.000102	0.00010	mg/L	0.000102	103.48%
Tl 190.801†	1.8	0.00085	mg/L	0.001639	0.00085	mg/L	0.001639	193.50%
V 292.402†	9.5	0.00010	mg/L	0.000239	0.00010	mg/L	0.000239	247.62%
Zn 206.200†	-0.3	-0.00027	mg/L	0.001207	-0.00027	mg/L	0.001207	449.35%

Sequence No.: 12
Sample ID: IDL5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 10/9/2007 1:31:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL5

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: IDL5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1799378.0	100.8	%	1.07				1.06%
ScR 361.383	152608.1	104.1	%	0.21				0.20%
Ag 328.068†	134.3	0.00083	mg/L	0.000835	0.00083	mg/L	0.000835	100.93%
Al 308.215†	2.2	0.00128	mg/L	0.013200	0.00128	mg/L	0.013200	>999.9%
As 188.979†	2.7	0.00227	mg/L	0.002898	0.00227	mg/L	0.002898	127.72%
B 249.677†	3.4	0.00171	mg/L	0.002072	0.00171	mg/L	0.002072	121.07%
Ba 233.527†	-0.8	-0.00013	mg/L	0.001206	-0.00013	mg/L	0.001206	893.81%
Be 313.042†	3.4	0.00001	mg/L	0.000048	0.00001	mg/L	0.000048	425.09%
Ca 317.933†	14.0	0.00135	mg/L	0.002376	0.00135	mg/L	0.002376	175.96%
Cd 228.802†	5.9	0.00013	mg/L	0.000093	0.00013	mg/L	0.000093	73.30%
Co 228.616†	5.7	0.00011	mg/L	0.000072	0.00011	mg/L	0.000072	67.41%
Cr 267.716†	5.6	0.00132	mg/L	0.001242	0.00132	mg/L	0.001242	94.26%
Cu 324.752†	126.3	0.00057	mg/L	0.000238	0.00057	mg/L	0.000238	41.53%
Fe 273.955†	-3.3	-0.00269	mg/L	0.000573	-0.00269	mg/L	0.000573	21.28%
K 766.490†	7.5	0.00553	mg/L	0.038538	0.00553	mg/L	0.038538	697.52%
Mg 279.077†	11.5	0.00920	mg/L	0.009855	0.00920	mg/L	0.009855	107.15%
Mn 257.610†	-1.9	-0.00006	mg/L	0.000164	-0.00006	mg/L	0.000164	254.61%
Mo 202.031†	3.7	0.00059	mg/L	0.000899	0.00059	mg/L	0.000899	152.83%
Na 589.592†	40.7	0.01971	mg/L	0.006329	0.01971	mg/L	0.006329	32.10%
Na 330.237†	-23.3	-1.008	mg/L	0.5044	-1.008	mg/L	0.5044	50.04%
Ni 231.604†	0.5	0.00040	mg/L	0.001329	0.00040	mg/L	0.001329	329.57%
Pb 220.353†	6.3	0.00089	mg/L	0.000458	0.00089	mg/L	0.000458	51.21%
Sb 206.836†	-6.4	-0.00303	mg/L	0.000978	-0.00303	mg/L	0.000978	32.23%
Se 196.026†	-1.5	-0.00131	mg/L	0.002634	-0.00131	mg/L	0.002634	200.90%
Si 288.158†	-7.2	-0.00415	mg/L	0.005819	-0.00415	mg/L	0.005819	140.17%
Sn 189.927†	6.6	0.00197	mg/L	0.000760	0.00197	mg/L	0.000760	38.61%
Sr 421.552†	-100.7	-0.00033	mg/L	0.000099	-0.00033	mg/L	0.000099	30.45%
Ti 334.903†	-0.4	-0.00002	mg/L	0.001275	-0.00002	mg/L	0.001275	>999.9%
Tl 190.801†	-1.9	-0.00089	mg/L	0.001435	-0.00089	mg/L	0.001435	161.34%
V 292.402†	43.5	0.00038	mg/L	0.000140	0.00038	mg/L	0.000140	37.30%
Zn 206.200†	0.4	0.00036	mg/L	0.001803	0.00036	mg/L	0.001803	503.57%

Sequence No.: 13
Sample ID: IDL6
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 10/9/2007 1:37:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL6

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: IDL6

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1791515.7	100.4	%	0.59				0.59%
ScR 361.383	152100.6	103.7	%	0.37				0.36%
Ag 328.068†	140.6	0.00087	mg/L	0.000421	0.00087	mg/L	0.000421	48.55%
Al 308.215†	-27.2	-0.01623	mg/L	0.010493	-0.01623	mg/L	0.010493	64.63%
As 188.979†	1.9	0.00162	mg/L	0.001707	0.00162	mg/L	0.001707	105.38%
B 249.677†	4.8	0.00239	mg/L	0.000674	0.00239	mg/L	0.000674	28.25%
Ba 233.527†	4.3	0.00074	mg/L	0.000733	0.00074	mg/L	0.000733	98.44%
Be 313.042†	33.4	0.00012	mg/L	0.000063	0.00012	mg/L	0.000063	52.76%
Ca 317.933†	19.8	0.00191	mg/L	0.001471	0.00191	mg/L	0.001471	76.87%
Cd 228.802†	5.2	0.00011	mg/L	0.000106	0.00011	mg/L	0.000106	93.93%
Co 228.616†	6.6	0.00013	mg/L	0.000055	0.00013	mg/L	0.000055	43.76%
Cr 267.716†	-1.1	-0.00027	mg/L	0.001504	-0.00027	mg/L	0.001504	565.12%
Cu 324.752†	82.0	0.00037	mg/L	0.000058	0.00037	mg/L	0.000058	15.48%
Fe 273.955†	-4.0	-0.00324	mg/L	0.003075	-0.00324	mg/L	0.003075	94.89%
K 766.490†	-4.6	-0.00339	mg/L	0.006001	-0.00339	mg/L	0.006001	176.84%
Mg 279.077†	-0.3	-0.00027	mg/L	0.021227	-0.00027	mg/L	0.021227	>999.9%
Mn 257.610†	-1.3	-0.00004	mg/L	0.000123	-0.00004	mg/L	0.000123	286.55%
Mo 202.031†	-0.6	-0.00009	mg/L	0.001029	-0.00009	mg/L	0.001029	>999.9%
Na 589.592†	23.1	0.01117	mg/L	0.009230	0.01117	mg/L	0.009230	82.62%
Na 330.237†	-27.1	-1.174	mg/L	0.3460	-1.174	mg/L	0.3460	29.47%
Ni 231.604†	-0.2	-0.00015	mg/L	0.002788	-0.00015	mg/L	0.002788	>999.9%
Pb 220.353†	-0.2	-0.00004	mg/L	0.000323	-0.00004	mg/L	0.000323	840.69%
Sb 206.836†	-5.5	-0.00260	mg/L	0.000888	-0.00260	mg/L	0.000888	34.19%
Se 196.026†	-2.4	-0.00213	mg/L	0.002338	-0.00213	mg/L	0.002338	109.67%
Si 288.158†	-20.4	-0.01168	mg/L	0.009930	-0.01168	mg/L	0.009930	85.03%
Sn 189.927†	5.4	0.00162	mg/L	0.000098	0.00162	mg/L	0.000098	6.04%
Sr 421.552†	-138.2	-0.00045	mg/L	0.000163	-0.00045	mg/L	0.000163	36.27%
Ti 334.903†	-12.7	-0.00061	mg/L	0.000952	-0.00061	mg/L	0.000952	156.95%
Tl 190.801†	1.9	0.00092	mg/L	0.001983	0.00092	mg/L	0.001983	216.32%
V 292.402†	28.7	0.00024	mg/L	0.000151	0.00024	mg/L	0.000151	63.59%
Zn 206.200†	0.6	0.00055	mg/L	0.001900	0.00055	mg/L	0.001900	344.41%

Sequence No.: 14
Sample ID: IDL7
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 10/9/2007 1:44:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL7

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: IDL7

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1788643.5	100.2	%	0.45				0.45%
ScR 361.383	151265.4	103.1	%	0.53				0.51%
Ag 328.068†	67.1	0.00041	mg/L	0.000362	0.00041	mg/L	0.000362	87.47%
Al 308.215†	-15.1	-0.00898	mg/L	0.008015	-0.00898	mg/L	0.008015	89.21%
As 188.979†	7.9	0.00665	mg/L	0.002250	0.00665	mg/L	0.002250	33.86%
B 249.677†	2.1	0.00107	mg/L	0.002261	0.00107	mg/L	0.002261	211.07%
Ba 233.527†	-0.6	-0.00010	mg/L	0.000399	-0.00010	mg/L	0.000399	403.30%
Be 313.042†	38.5	0.00014	mg/L	0.000055	0.00014	mg/L	0.000055	39.97%
Ca 317.933†	54.3	0.00524	mg/L	0.002278	0.00524	mg/L	0.002278	43.45%
Cd 228.802†	1.1	-0.00002	mg/L	0.000064	-0.00002	mg/L	0.000064	398.20%
Co 228.616†	14.3	0.00027	mg/L	0.000059	0.00027	mg/L	0.000059	21.95%
Cr 267.716†	5.0	0.00118	mg/L	0.000915	0.00118	mg/L	0.000915	77.87%
Cu 324.752†	101.1	0.00046	mg/L	0.000088	0.00046	mg/L	0.000088	19.16%
Fe 273.955†	-5.3	-0.00423	mg/L	0.003210	-0.00423	mg/L	0.003210	75.79%
K 766.490†	21.4	0.01566	mg/L	0.006368	0.01566	mg/L	0.006368	40.66%
Mg 279.077†	4.9	0.00390	mg/L	0.010025	0.00390	mg/L	0.010025	257.08%
Mn 257.610†	0.3	0.00001	mg/L	0.000163	0.00001	mg/L	0.000163	>999.9%
Mo 202.031†	0.5	0.00008	mg/L	0.000250	0.00008	mg/L	0.000250	330.08%
Na 589.592†	23.3	0.01130	mg/L	0.005797	0.01130	mg/L	0.005797	51.31%
Na 330.237†	-4.6	-0.1997	mg/L	0.12653	-0.1997	mg/L	0.12653	63.35%
Ni 231.604†	-0.3	-0.00027	mg/L	0.001877	-0.00027	mg/L	0.001877	696.39%
Pb 220.353†	-1.3	-0.00019	mg/L	0.001238	-0.00019	mg/L	0.001238	646.29%
Sb 206.836†	-3.7	-0.00175	mg/L	0.003144	-0.00175	mg/L	0.003144	179.30%
Se 196.026†	-3.7	-0.00329	mg/L	0.004165	-0.00329	mg/L	0.004165	126.54%
Si 288.158†	-6.5	-0.00375	mg/L	0.013302	-0.00375	mg/L	0.013302	354.64%
Sn 189.927†	3.8	0.00113	mg/L	0.001094	0.00113	mg/L	0.001094	96.46%
Sr 421.552†	-96.9	-0.00031	mg/L	0.000217	-0.00031	mg/L	0.000217	69.06%
Ti 334.903†	2.4	0.00011	mg/L	0.000928	0.00011	mg/L	0.000928	824.97%
Tl 190.801†	1.7	0.00078	mg/L	0.001653	0.00078	mg/L	0.001653	210.84%
V 292.402†	8.4	0.00008	mg/L	0.000329	0.00008	mg/L	0.000329	416.58%
Zn 206.200†	0.7	0.00066	mg/L	0.001127	0.00066	mg/L	0.001127	171.84%

Sequence No.: 15
Sample ID: IDL8
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 10/9/2007 1:50:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL8

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: IDL8

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1796356.1	100.7	%	0.40				0.39%
ScR 361.383	151263.5	103.1	%	0.34				0.33%
Ag 328.068†	88.9	0.00055	mg/L	0.000323	0.00055	mg/L	0.000323	58.92%
Al 308.215†	-7.7	-0.00460	mg/L	0.006964	-0.00460	mg/L	0.006964	151.35%
As 188.979†	5.5	0.00465	mg/L	0.002384	0.00465	mg/L	0.002384	51.33%
B 249.677†	6.9	0.00345	mg/L	0.000806	0.00345	mg/L	0.000806	23.36%
Ba 233.527†	0.2	0.00004	mg/L	0.001078	0.00004	mg/L	0.001078	>999.9%
Be 313.042†	34.5	0.00012	mg/L	0.000091	0.00012	mg/L	0.000091	73.93%
Ca 317.933†	5.5	0.00053	mg/L	0.002903	0.00053	mg/L	0.002903	545.83%
Cd 228.802†	-0.7	-0.00005	mg/L	0.000225	-0.00005	mg/L	0.000225	473.45%
Co 228.616†	12.9	0.00024	mg/L	0.000201	0.00024	mg/L	0.000201	82.81%
Cr 267.716†	4.2	0.00100	mg/L	0.000998	0.00100	mg/L	0.000998	99.77%
Cu 324.752†	91.8	0.00042	mg/L	0.000215	0.00042	mg/L	0.000215	51.72%
Fe 273.955†	-4.9	-0.00398	mg/L	0.004296	-0.00398	mg/L	0.004296	107.89%
K 766.490†	17.2	0.01263	mg/L	0.018322	0.01263	mg/L	0.018322	145.04%
Mg 279.077†	17.8	0.01415	mg/L	0.006453	0.01415	mg/L	0.006453	45.60%
Mn 257.610†	-0.4	-0.00001	mg/L	0.000067	-0.00001	mg/L	0.000067	458.50%
Mo 202.031†	1.4	0.00022	mg/L	0.000384	0.00022	mg/L	0.000384	171.78%
Na 589.592†	37.1	0.01798	mg/L	0.007714	0.01798	mg/L	0.007714	42.90%
Na 330.237†	-7.8	-0.3398	mg/L	0.28719	-0.3398	mg/L	0.28719	84.51%
Ni 231.604†	-0.4	-0.00031	mg/L	0.001592	-0.00031	mg/L	0.001592	515.41%
Pb 220.353†	-6.9	-0.00098	mg/L	0.001372	-0.00098	mg/L	0.001372	139.67%
Sb 206.836†	-7.6	-0.00357	mg/L	0.003274	-0.00357	mg/L	0.003274	91.72%
Se 196.026†	4.3	0.00378	mg/L	0.006955	0.00378	mg/L	0.006955	184.08%
Si 288.158†	-3.3	-0.00189	mg/L	0.011807	-0.00189	mg/L	0.011807	625.24%
Sn 189.927†	4.8	0.00143	mg/L	0.000588	0.00143	mg/L	0.000588	41.02%
Sr 421.552†	-124.7	-0.00040	mg/L	0.000106	-0.00040	mg/L	0.000106	26.16%
Ti 334.903†	4.7	0.00022	mg/L	0.000687	0.00022	mg/L	0.000687	309.70%
Tl 190.801†	-3.4	-0.00161	mg/L	0.001633	-0.00161	mg/L	0.001633	101.66%
V 292.402†	20.0	0.00018	mg/L	0.000458	0.00018	mg/L	0.000458	261.41%
Zn 206.200†	-0.4	-0.00034	mg/L	0.001584	-0.00034	mg/L	0.001584	463.32%

Sequence No.: 16
Sample ID: IDL9
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 10/9/2007 1:57:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL9

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: IDL9

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1799045.2	100.8	%	0.33				0.33%
ScR 361.383	153125.2	104.4	%	0.83				0.80%
Ag 328.068†	112.6	0.00069	mg/L	0.000213	0.00069	mg/L	0.000213	30.66%
Al 308.215†	-17.8	-0.01060	mg/L	0.002546	-0.01060	mg/L	0.002546	24.01%
As 188.979†	3.6	0.00303	mg/L	0.001632	0.00303	mg/L	0.001632	53.80%
B 249.677†	6.5	0.00323	mg/L	0.001250	0.00323	mg/L	0.001250	38.71%
Ba 233.527†	-3.7	-0.00064	mg/L	0.000354	-0.00064	mg/L	0.000354	55.34%
Be 313.042†	20.6	0.00007	mg/L	0.000009	0.00007	mg/L	0.000009	12.58%
Ca 317.933†	29.2	0.00282	mg/L	0.001878	0.00282	mg/L	0.001878	66.65%
Cd 228.802†	-1.0	-0.00004	mg/L	0.000127	-0.00004	mg/L	0.000127	286.48%
Co 228.616†	7.2	0.00014	mg/L	0.000230	0.00014	mg/L	0.000230	167.47%
Cr 267.716†	3.1	0.00073	mg/L	0.000671	0.00073	mg/L	0.000671	91.39%
Cu 324.752†	131.5	0.00060	mg/L	0.000139	0.00060	mg/L	0.000139	23.39%
Fe 273.955†	-3.7	-0.00301	mg/L	0.002043	-0.00301	mg/L	0.002043	67.92%
K 766.490†	-15.8	-0.01156	mg/L	0.012534	-0.01156	mg/L	0.012534	108.39%
Mg 279.077†	1.8	0.00141	mg/L	0.007642	0.00141	mg/L	0.007642	542.16%
Mn 257.610†	-3.5	-0.00012	mg/L	0.000045	-0.00012	mg/L	0.000045	37.44%
Mo 202.031†	1.9	0.00030	mg/L	0.000649	0.00030	mg/L	0.000649	213.86%
Na 589.592†	34.7	0.01680	mg/L	0.003744	0.01680	mg/L	0.003744	22.28%
Na 330.237†	-6.3	-0.2719	mg/L	0.19900	-0.2719	mg/L	0.19900	73.20%
Ni 231.604†	-0.2	-0.00013	mg/L	0.003185	-0.00013	mg/L	0.003185	>999.9%
Pb 220.353†	5.2	0.00073	mg/L	0.000695	0.00073	mg/L	0.000695	95.19%
Sb 206.836†	-1.6	-0.00074	mg/L	0.001532	-0.00074	mg/L	0.001532	205.94%
Se 196.026†	-3.2	-0.00279	mg/L	0.001008	-0.00279	mg/L	0.001008	36.06%
Si 288.158†	2.9	0.00168	mg/L	0.007244	0.00168	mg/L	0.007244	430.95%
Sn 189.927†	4.6	0.00138	mg/L	0.001226	0.00138	mg/L	0.001226	88.83%
Sr 421.552†	-39.8	-0.00013	mg/L	0.000152	-0.00013	mg/L	0.000152	118.07%
Ti 334.903†	-10.7	-0.00051	mg/L	0.000081	-0.00051	mg/L	0.000081	15.83%
Tl 190.801†	3.9	0.00186	mg/L	0.003139	0.00186	mg/L	0.003139	168.57%
V 292.402†	-2.6	-0.00001	mg/L	0.000084	-0.00001	mg/L	0.000084	577.99%
Zn 206.200†	-0.6	-0.00056	mg/L	0.001320	-0.00056	mg/L	0.001320	236.68%

Sequence No.: 17
Sample ID: IDL10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 10/9/2007 2:03:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL10

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: IDL10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1799277.7	100.8	%	0.60				0.59%
ScR 361.383	152759.1	104.2	%	0.07				0.06%
Ag 328.068†	66.9	0.00041	mg/L	0.000762	0.00041	mg/L	0.000762	184.73%
Al 308.215†	-5.8	-0.00344	mg/L	0.007931	-0.00344	mg/L	0.007931	230.63%
As 188.979†	6.2	0.00520	mg/L	0.004025	0.00520	mg/L	0.004025	77.44%
B 249.677†	1.1	0.00053	mg/L	0.000527	0.00053	mg/L	0.000527	98.92%
Ba 233.527†	2.5	0.00043	mg/L	0.000570	0.00043	mg/L	0.000570	132.35%
Be 313.042†	29.7	0.00011	mg/L	0.000034	0.00011	mg/L	0.000034	32.29%
Ca 317.933†	36.1	0.00349	mg/L	0.002907	0.00349	mg/L	0.002907	83.40%
Cd 228.802†	-0.2	-0.00004	mg/L	0.000125	-0.00004	mg/L	0.000125	320.10%
Co 228.616†	10.7	0.00020	mg/L	0.000302	0.00020	mg/L	0.000302	149.09%
Cr 267.716†	2.3	0.00054	mg/L	0.000196	0.00054	mg/L	0.000196	36.37%
Cu 324.752†	101.2	0.00046	mg/L	0.000124	0.00046	mg/L	0.000124	26.96%
Fe 273.955†	-5.1	-0.00412	mg/L	0.000465	-0.00412	mg/L	0.000465	11.28%
K 766.490†	1.9	0.00137	mg/L	0.011423	0.00137	mg/L	0.011423	832.30%
Mg 279.077†	2.7	0.00219	mg/L	0.003569	0.00219	mg/L	0.003569	162.83%
Mn 257.610†	-2.0	-0.00007	mg/L	0.000098	-0.00007	mg/L	0.000098	142.10%
Mo 202.031†	0.5	0.00008	mg/L	0.000482	0.00008	mg/L	0.000482	568.47%
Na 589.592†	16.8	0.00812	mg/L	0.003983	0.00812	mg/L	0.003983	49.07%
Na 330.237†	-3.6	-0.1568	mg/L	0.24297	-0.1568	mg/L	0.24297	154.98%
Ni 231.604†	-1.0	-0.00084	mg/L	0.002509	-0.00084	mg/L	0.002509	299.10%
Pb 220.353†	7.5	0.00106	mg/L	0.000465	0.00106	mg/L	0.000465	43.69%
Sb 206.836†	-2.4	-0.00113	mg/L	0.001213	-0.00113	mg/L	0.001213	107.05%
Se 196.026†	2.2	0.00199	mg/L	0.003456	0.00199	mg/L	0.003456	173.79%
Si 288.158†	-4.3	-0.00248	mg/L	0.002121	-0.00248	mg/L	0.002121	85.48%
Sn 189.927†	3.3	0.00099	mg/L	0.000574	0.00099	mg/L	0.000574	57.67%
Sr 421.552†	-75.6	-0.00024	mg/L	0.000048	-0.00024	mg/L	0.000048	19.80%
Ti 334.903†	-10.1	-0.00048	mg/L	0.000202	-0.00048	mg/L	0.000202	41.78%
Tl 190.801†	2.8	0.00135	mg/L	0.002038	0.00135	mg/L	0.002038	150.80%
V 292.402†	7.0	0.00006	mg/L	0.000122	0.00006	mg/L	0.000122	193.36%
Zn 206.200†	-0.1	-0.00006	mg/L	0.001123	-0.00006	mg/L	0.001123	>999.9%

Sequence No.: 18
Sample ID: CV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 10/9/2007 2:10:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1784289.8	99.99	%	0.124				0.12%
ScR 361.383	153642.9	104.8	%	0.85				0.81%
Ag 328.068†	162536.0	1.002	mg/L	0.0108	1.002	mg/L	0.0108	1.07%
Al 308.215†	3371.1	1.970	mg/L	0.0221	1.970	mg/L	0.0221	1.12%
As 188.979†	2403.7	2.028	mg/L	0.0092	2.028	mg/L	0.0092	0.45%
B 249.677†	1964.4	0.9812	mg/L	0.01614	0.9812	mg/L	0.01614	1.64%
Ba 233.527†	5637.6	0.9825	mg/L	0.00971	0.9825	mg/L	0.00971	0.99%
Be 313.042†	283038.8	1.011	mg/L	0.0039	1.011	mg/L	0.0039	0.38%
Ca 317.933†	21613.3	2.087	mg/L	0.0098	2.087	mg/L	0.0098	0.47%
Cd 228.802†	43065.0	1.015	mg/L	0.0094	1.015	mg/L	0.0094	0.92%
Co 228.616†	52101.9	0.9776	mg/L	0.00899	0.9776	mg/L	0.00899	0.92%
Cr 267.716†	4127.9	0.9776	mg/L	0.00911	0.9776	mg/L	0.00911	0.93%
Cu 324.752†	231588.8	1.051	mg/L	0.0103	1.051	mg/L	0.0103	0.98%
Fe 273.955†	2508.3	2.018	mg/L	0.0181	2.018	mg/L	0.0181	0.90%
K 766.490†	27665.3	20.27	mg/L	0.050	20.27	mg/L	0.050	0.24%
Mg 279.077†	2584.4	2.063	mg/L	0.0191	2.063	mg/L	0.0191	0.93%
Mn 257.610†	28569.9	0.9760	mg/L	0.00565	0.9760	mg/L	0.00565	0.58%
Mo 202.031†	6186.7	0.9748	mg/L	0.00491	0.9748	mg/L	0.00491	0.50%
Na 589.592†	101245.5	49.02	mg/L	0.235	49.02	mg/L	0.235	0.48%
Na 330.237†	1196.7	51.49	mg/L	0.158	51.49	mg/L	0.158	0.31%
Ni 231.604†	1239.4	0.9999	mg/L	0.00728	0.9999	mg/L	0.00728	0.73%
Pb 220.353†	14490.7	2.051	mg/L	0.0166	2.051	mg/L	0.0166	0.81%
Sb 206.836†	4325.9	2.033	mg/L	0.0064	2.033	mg/L	0.0064	0.32%
Se 196.026†	2268.6	2.010	mg/L	0.0044	2.010	mg/L	0.0044	0.22%
Si 288.158†	3563.0	2.047	mg/L	0.0203	2.047	mg/L	0.0203	0.99%
Sn 189.927†	3106.5	0.9284	mg/L	0.00337	0.9284	mg/L	0.00337	0.36%
Sr 421.552†	303949.9	0.9854	mg/L	0.00401	0.9854	mg/L	0.00401	0.41%
Ti 334.903†	21075.2	1.003	mg/L	0.0028	1.003	mg/L	0.0028	0.28%
Tl 190.801†	4195.9	1.981	mg/L	0.0114	1.981	mg/L	0.0114	0.57%
V 292.402†	117329.7	0.9909	mg/L	0.00939	0.9909	mg/L	0.00939	0.95%
Zn 206.200†	1097.6	1.027	mg/L	0.0132	1.027	mg/L	0.0132	1.29%

Sequence No.: 19
Sample ID: CB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/9/2007 2:16:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1804164.0	101.1	%	0.31				0.31%
ScR 361.383	152419.3	103.9	%	0.73				0.70%
Ag 328.068†	169.2	0.00104	mg/L	0.000251	0.00104	mg/L	0.000251	24.11%
Al 308.215†	-13.3	-0.00796	mg/L	0.009407	-0.00796	mg/L	0.009407	118.25%
As 188.979†	5.0	0.00421	mg/L	0.002977	0.00421	mg/L	0.002977	70.78%
B 249.677†	13.2	0.00662	mg/L	0.001450	0.00662	mg/L	0.001450	21.92%
Ba 233.527†	3.9	0.00068	mg/L	0.000556	0.00068	mg/L	0.000556	82.31%
Be 313.042†	10.4	0.00004	mg/L	0.000049	0.00004	mg/L	0.000049	132.40%
Ca 317.933†	19.6	0.00189	mg/L	0.001180	0.00189	mg/L	0.001180	62.52%
Cd 228.802†	1.5	0.00001	mg/L	0.000028	0.00001	mg/L	0.000028	323.27%
Co 228.616†	8.3	0.00016	mg/L	0.000028	0.00016	mg/L	0.000028	18.00%
Cr 267.716†	2.9	0.00068	mg/L	0.001039	0.00068	mg/L	0.001039	153.95%
Cu 324.752†	137.1	0.00062	mg/L	0.000263	0.00062	mg/L	0.000263	42.23%
Fe 273.955†	-2.8	-0.00228	mg/L	0.002146	-0.00228	mg/L	0.002146	94.20%
K 766.490†	0.6	0.00045	mg/L	0.013402	0.00045	mg/L	0.013402	>999.9%
Mg 279.077†	3.3	0.00267	mg/L	0.008841	0.00267	mg/L	0.008841	331.41%
Mn 257.610†	-0.8	-0.00003	mg/L	0.000164	-0.00003	mg/L	0.000164	623.76%
Mo 202.031†	5.4	0.00085	mg/L	0.000190	0.00085	mg/L	0.000190	22.29%
Na 589.592†	49.8	0.02409	mg/L	0.010080	0.02409	mg/L	0.010080	41.85%
Na 330.237†	-1.4	-0.05996	mg/L	0.434592	-0.05996	mg/L	0.434592	724.82%
Ni 231.604†	-1.6	-0.00129	mg/L	0.001177	-0.00129	mg/L	0.001177	91.25%
Pb 220.353†	1.6	0.00022	mg/L	0.001133	0.00022	mg/L	0.001133	519.14%
Sb 206.836†	-1.1	-0.00049	mg/L	0.001155	-0.00049	mg/L	0.001155	234.85%
Se 196.026†	-4.6	-0.00409	mg/L	0.002269	-0.00409	mg/L	0.002269	55.49%
Si 288.158†	-13.3	-0.00762	mg/L	0.007312	-0.00762	mg/L	0.007312	96.00%
Sn 189.927†	10.4	0.00310	mg/L	0.000656	0.00310	mg/L	0.000656	21.15%
Sr 421.552†	-92.8	-0.00030	mg/L	0.000088	-0.00030	mg/L	0.000088	29.12%
Ti 334.903†	-4.8	-0.00023	mg/L	0.001707	-0.00023	mg/L	0.001707	745.67%
Tl 190.801†	12.6	0.00600	mg/L	0.002539	0.00600	mg/L	0.002539	42.34%
V 292.402†	3.5	0.00004	mg/L	0.000056	0.00004	mg/L	0.000056	144.08%
Zn 206.200†	-0.9	-0.00083	mg/L	0.001639	-0.00083	mg/L	0.001639	198.12%

Analysis Begun

Start Time: 10/9/2007 2:21:47 PM
Logged In Analyst: metals
Spectrometer Model: Optima 4300 DV, S/N 077N0060101
Plasma On Time: 10/9/2007 10:26:33 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\1009A.sif
Batch ID:
Results Data Set: PE071009
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Sample ID: LR67 MB SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X
Autosampler Location: 24
Date Collected: 10/9/2007 2:21:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 MB SWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: LR67 MB SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1797003.8	100.7	%	0.80				0.80%
ScR 361.383	155232.4	105.8	%	0.64				0.60%
Ag 328.068†	83529.5	0.5151	mg/L	0.00636	1.030	mg/L	0.0127	1.23%
Al 308.215†	3395.9	2.017	mg/L	0.0182	4.034	mg/L	0.0363	0.90%
As 188.979†	2463.5	2.080	mg/L	0.0153	4.160	mg/L	0.0306	0.73%
B 249.677†	11.3	0.00427	mg/L	0.000809	0.00854	mg/L	0.001618	18.95%
Ba 233.527†	11214.9	1.954	mg/L	0.0101	3.909	mg/L	0.0202	0.52%
Be 313.042†	147845.5	0.5281	mg/L	0.00096	1.056	mg/L	0.0019	0.18%
Ca 317.933†	107706.1	10.40	mg/L	0.015	20.80	mg/L	0.031	0.15%
Cd 228.802†	21824.0	0.5074	mg/L	0.00681	1.015	mg/L	0.0136	1.34%
Co 228.616†	26283.9	0.4935	mg/L	0.00524	0.9869	mg/L	0.01048	1.06%
Cr 267.716†	2137.6	0.5063	mg/L	0.00293	1.013	mg/L	0.0059	0.58%
Cu 324.752†	112053.1	0.5088	mg/L	0.00550	1.018	mg/L	0.0110	1.08%
Fe 273.955†	2575.2	2.073	mg/L	0.0104	4.147	mg/L	0.0208	0.50%
K 766.490†	14024.5	10.27	mg/L	0.042	20.55	mg/L	0.084	0.41%
Mg 279.077†	13354.7	10.65	mg/L	0.018	21.29	mg/L	0.037	0.17%
Mn 257.610†	14897.4	0.5093	mg/L	0.00117	1.019	mg/L	0.0023	0.23%
Mo 202.031†	19.0	0.00271	mg/L	0.000343	0.00542	mg/L	0.000686	12.66%
Na 589.592†	20968.9	10.15	mg/L	0.011	20.30	mg/L	0.021	0.10%
Na 330.237†	246.0	10.35	mg/L	0.518	20.70	mg/L	1.036	5.00%
Ni 231.604†	628.0	0.5071	mg/L	0.00115	1.014	mg/L	0.0023	0.23%
Pb 220.353†	14501.5	2.053	mg/L	0.0210	4.105	mg/L	0.0420	1.02%
Sb 206.836†	4412.3	2.070	mg/L	0.0124	4.141	mg/L	0.0248	0.60%
Se 196.026†	2342.5	2.078	mg/L	0.0118	4.155	mg/L	0.0237	0.57%
Si 288.158†	29.7	0.01735	mg/L	0.003996	0.03471	mg/L	0.007991	23.02%
Sn 189.927†	-10.6	-0.00249	mg/L	0.000504	-0.00499	mg/L	0.001009	20.23%
Sr 421.552†	153960.3	0.4991	mg/L	0.00201	0.9981	mg/L	0.00402	0.40%
Ti 334.903†	28.4	0.00121	mg/L	0.000301	0.00241	mg/L	0.000601	24.93%
Tl 190.801†	4180.8	1.981	mg/L	0.0163	3.962	mg/L	0.0326	0.82%
V 292.402†	60506.0	0.5086	mg/L	0.00579	1.017	mg/L	0.0116	1.14%
Zn 206.200†	540.2	0.5062	mg/L	0.00242	1.012	mg/L	0.0048	0.48%

Sequence No.: 2
Sample ID: LR67 B SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 25
Date Collected: 10/9/2007 2:28:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 B SWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

rerun

Mean Data: LR67 B SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1847764.3	103.5	%	0.36				0.34%
ScR 361.383	157252.6	107.2	%	0.67				0.63%
Ag 328.068†	-1165.2	0.01314	mg/L	0.000630	0.02627	mg/L	0.001259	4.79%
Al 308.215†	116054.0	69.16	mg/L	0.191	138.3	mg/L	0.38	0.28%
As 188.979†	746.2	0.6033	mg/L	0.00385	1.207	mg/L	0.0077	0.64%
B 249.677†	575.5	0.3381	mg/L	0.00620	0.6761	mg/L	0.01241	1.84%
Ba 233.527†	29721.1	5.157	mg/L	0.0172	10.31	mg/L	0.034	0.33%
Be 313.042†	447.5	0.00070	mg/L	0.000064	0.00140	mg/L	0.000128	9.14%
Ca 317.933†	672577.6	64.95	mg/L	0.258	129.9	mg/L	0.52	0.40%
Cd 228.802†	6987.3	0.1627	mg/L	0.00039	0.3253	mg/L	0.00077	0.24%
Co 228.616†	5281.7	0.07600	mg/L	0.000138	0.1520	mg/L	0.00028	0.18%
Cr 267.716†	3510.5	0.8432	mg/L	0.00608	1.686	mg/L	0.0122	0.72%
Cu 324.752†	602427.7	2.791	mg/L	0.0023	5.581	mg/L	0.0045	0.08%
Fe 273.955†	756086.7	609.2	mg/L	1.71	1218	mg/L	3.4	0.28%
K 766.490†	9731.4	7.129	mg/L	0.0486	14.26	mg/L	0.097	0.68%
Mg 279.077†	47588.1	37.70	mg/L	0.160	75.39	mg/L	0.320	0.42%
Mn 257.610†	86437.4	2.961	mg/L	0.0025	5.922	mg/L	0.0049	0.08%
Mo 202.031†	131.4	0.02200	mg/L	0.001362	0.04400	mg/L	0.002723	6.19%
Na 589.592†	7680.3	3.718	mg/L	0.0217	7.436	mg/L	0.0435	0.58%
Na 330.237†	476.2	-0.4277	mg/L	0.53545	-0.8554	mg/L	1.07091	125.19%
Ni 231.604†	225.2	0.1803	mg/L	0.00145	0.3605	mg/L	0.00291	0.81%
Pb 220.353†	118288.3	16.71	mg/L	0.056	33.43	mg/L	0.112	0.33%
Sb 206.836†	101.4	0.06545	mg/L	0.002084	0.1309	mg/L	0.00417	3.18%
Se 196.026†	-205.2	-0.06235	mg/L	0.004594	-0.1247	mg/L	0.00919	7.37%
Si 288.158†	2356.3	1.352	mg/L	0.0161	2.705	mg/L	0.0322	1.19%
Sn 189.927†	888.7	0.2304	mg/L	0.00065	0.4608	mg/L	0.00130	0.28%
Sr 421.552†	98412.5	0.3130	mg/L	0.00180	0.6261	mg/L	0.00360	0.57%
Ti 334.903†	128504.2	6.124	mg/L	0.0213	12.25	mg/L	0.043	0.35%
Tl 190.801†	-61.5	-0.03925	mg/L	0.000975	-0.07851	mg/L	0.001949	2.48%
V 292.402†	41524.9	0.2999	mg/L	0.00105	0.5998	mg/L	0.00211	0.35%
Zn 206.200†	46706.8	43.75	mg/L	0.134	87.49	mg/L	0.268	0.31%

Sequence No.: 3
Sample ID: LR67 C SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 26
Date Collected: 10/9/2007 2:34:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 C SWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: LR67 C SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1859261.4	104.2	%	0.40				0.38%
ScR 361.383	159502.6	108.8	%	0.80				0.74%
Ag 328.068†	-1049.3	0.00043	mg/L	0.000133	0.00085	mg/L	0.000266	31.25%
Al 308.215†	231270.0	137.8	mg/L	0.74	275.7	mg/L	1.48	0.54%
As 188.979†	113.9	0.04914	mg/L	0.005691	0.09828	mg/L	0.011382	11.58%
B 249.677†	40.6	0.03703	mg/L	0.002753	0.07406	mg/L	0.005507	7.44%
Ba 233.527†	1379.7	0.2326	mg/L	0.00149	0.4652	mg/L	0.00298	0.64%
Be 313.042†	945.4	0.00206	mg/L	0.000059	0.00412	mg/L	0.000117	2.85%
Ca 317.933†	807886.5	78.02	mg/L	0.489	156.0	mg/L	0.98	0.63%
Cd 228.802†	31.0	0.00011	mg/L	0.000128	0.00021	mg/L	0.000255	119.66%
Co 228.616†	5218.9	0.07423	mg/L	0.000519	0.1485	mg/L	0.00104	0.70%
Cr 267.716†	1064.3	0.2556	mg/L	0.00176	0.5113	mg/L	0.00353	0.69%
Cu 324.752†	46547.6	0.2283	mg/L	0.00007	0.4566	mg/L	0.00014	0.03%
Fe 273.955†	254927.1	205.4	mg/L	0.69	410.8	mg/L	1.39	0.34%
K 766.490†	8821.6	6.463	mg/L	0.0785	12.93	mg/L	0.157	1.21%
Mg 279.077†	102310.2	81.47	mg/L	0.371	162.9	mg/L	0.74	0.46%
Mn 257.610†	83898.2	2.861	mg/L	0.0042	5.723	mg/L	0.0084	0.15%
Mo 202.031†	11.9	0.00624	mg/L	0.000462	0.01248	mg/L	0.000924	7.41%
Na 589.592†	4827.3	2.337	mg/L	0.0237	4.674	mg/L	0.0473	1.01%
Na 330.237†	9.9	2.162	mg/L	0.1463	4.323	mg/L	0.2926	6.77%
Ni 231.604†	225.8	0.1818	mg/L	0.00271	0.3636	mg/L	0.00543	1.49%
Pb 220.353†	0.2	0.02718	mg/L	0.001461	0.05436	mg/L	0.002922	5.37%
Sb 206.836†	-39.5	0.00463	mg/L	0.003192	0.00926	mg/L	0.006384	68.94%
Se 196.026†	-114.9	-0.03847	mg/L	0.002198	-0.07694	mg/L	0.004396	5.71%
Si 288.158†	2083.8	1.196	mg/L	0.0094	2.391	mg/L	0.0188	0.79%
Sn 189.927†	-14.1	-0.00855	mg/L	0.000796	-0.01709	mg/L	0.001592	9.32%
Sr 421.552†	79042.3	0.2540	mg/L	0.00153	0.5079	mg/L	0.00307	0.60%
Ti 334.903†	214953.6	10.24	mg/L	0.066	20.49	mg/L	0.131	0.64%
Tl 190.801†	-10.4	-0.02251	mg/L	0.003121	-0.04502	mg/L	0.006242	13.87%
V 292.402†	59884.8	0.4772	mg/L	0.00014	0.9545	mg/L	0.00028	0.03%
Zn 206.200†	393.1	0.3703	mg/L	0.00538	0.7405	mg/L	0.01076	1.45%

Sequence No.: 4
Sample ID: LR67 D SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 27
Date Collected: 10/9/2007 2:41:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 D SWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

DC

Mean Data: LR67 D SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
ScA 357.253	1868091.3	104.7	%	0.54				0.52%
ScR 361.383	163052.9	111.2	%	0.05				0.05%
Ag 328.068†	-917.8	0.00001	mg/L	0.000117	0.00002	mg/L	0.000234	972.96%
Al 308.215†	192807.0	114.9	mg/L	0.30	229.8	mg/L	0.61	0.27%
As 188.979†	102.9	0.04552	mg/L	0.006015	0.09103	mg/L	0.012030	13.21%
B 249.677†	23.5	0.02551	mg/L	0.002373	0.05101	mg/L	0.004747	9.30%
Ba 233.527†	1672.2	0.2850	mg/L	0.00068	0.5700	mg/L	0.00137	0.24%
Be 313.042†	760.5	0.00157	mg/L	0.000040	0.00314	mg/L	0.000081	2.58%
Ca 317.933†	719476.8	69.48	mg/L	0.390	139.0	mg/L	0.78	0.56%
Cd 228.802†	84.5	0.00144	mg/L	0.000117	0.00289	mg/L	0.000235	8.13%
Co 228.616†	4478.9	0.06215	mg/L	0.000355	0.1243	mg/L	0.00071	0.57%
Cr 267.716†	899.6	0.2160	mg/L	0.00170	0.4321	mg/L	0.00340	0.79%
Cu 324.752†	40771.8	0.1988	mg/L	0.00003	0.3976	mg/L	0.00006	0.01%
Fe 273.955†	209566.9	168.9	mg/L	0.40	337.7	mg/L	0.79	0.23%
K 766.490†	8600.8	6.301	mg/L	0.0423	12.60	mg/L	0.085	0.67%
Mg 279.077†	84115.1	66.98	mg/L	0.267	134.0	mg/L	0.53	0.40%
Mn 257.610†	65212.5	2.224	mg/L	0.0089	4.448	mg/L	0.0178	0.40%
Mo 202.031†	14.8	0.00582	mg/L	0.000557	0.01165	mg/L	0.001114	9.57%
Na 589.592†	5564.6	2.694	mg/L	0.0275	5.388	mg/L	0.0549	1.02%
Na 330.237†	19.4	2.334	mg/L	0.2636	4.669	mg/L	0.5271	11.29%
Ni 231.604†	185.0	0.1490	mg/L	0.00579	0.2979	mg/L	0.01159	3.89%
Pb 220.353†	259.8	0.05957	mg/L	0.001316	0.1191	mg/L	0.00263	2.21%
Sb 206.836†	-37.7	0.00426	mg/L	0.002115	0.00853	mg/L	0.004231	49.61%
Se 196.026†	-106.0	-0.04103	mg/L	0.001926	-0.08205	mg/L	0.003853	4.70%
Si 288.158†	3209.9	1.842	mg/L	0.0067	3.683	mg/L	0.0134	0.36%
Sn 189.927†	-19.1	-0.00880	mg/L	0.001506	-0.01759	mg/L	0.003012	17.12%
Sr 421.552†	78102.7	0.2513	mg/L	0.00049	0.5026	mg/L	0.00098	0.20%
Ti 334.903†	201914.6	9.623	mg/L	0.0465	19.25	mg/L	0.093	0.48%
Tl 190.801†	-12.3	-0.02157	mg/L	0.003379	-0.04313	mg/L	0.006759	15.67%
V 292.402†	51254.8	0.4082	mg/L	0.00062	0.8165	mg/L	0.00125	0.15%
Zn 206.200†	596.8	0.5608	mg/L	0.00149	1.122	mg/L	0.0030	0.27%

Sequence No.: 5
Sample ID: LR67 E SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 28
Date Collected: 10/9/2007 2:47:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 E SWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: LR67 E SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1863405.9	104.4	%	0.33				0.31%
ScR 361.383	162322.0	110.7	%	0.65				0.59%
Ag 328.068†	-917.5	0.00023	mg/L	0.000347	0.00045	mg/L	0.000694	152.59%
Al 308.215†	208920.8	124.5	mg/L	0.32	249.0	mg/L	0.65	0.26%
As 188.979†	104.9	0.04231	mg/L	0.003749	0.08463	mg/L	0.007498	8.86%
B 249.677†	43.9	0.03624	mg/L	0.001440	0.07248	mg/L	0.002880	3.97%
Ba 233.527†	2424.8	0.4159	mg/L	0.00470	0.8318	mg/L	0.00940	1.13%
Be 313.042†	878.2	0.00189	mg/L	0.000074	0.00379	mg/L	0.000149	3.93%
Ca 317.933†	970853.7	93.76	mg/L	0.515	187.5	mg/L	1.03	0.55%
Cd 228.802†	28.0	0.00008	mg/L	0.000046	0.00016	mg/L	0.000092	57.74%
Co 228.616†	4676.6	0.06388	mg/L	0.000282	0.1278	mg/L	0.00056	0.44%
Cr 267.716†	931.2	0.2236	mg/L	0.00261	0.4472	mg/L	0.00521	1.17%
Cu 324.752†	33992.1	0.1684	mg/L	0.00044	0.3368	mg/L	0.00087	0.26%
Fe 273.955†	217379.1	175.2	mg/L	0.36	350.3	mg/L	0.72	0.21%
K 766.490†	8869.2	6.498	mg/L	0.0889	13.00	mg/L	0.178	1.37%
Mg 279.077†	87649.6	69.80	mg/L	0.579	139.6	mg/L	1.16	0.83%
Mn 257.610†	72105.6	2.459	mg/L	0.0201	4.918	mg/L	0.0401	0.82%
Mo 202.031†	26.6	0.00737	mg/L	0.001416	0.01475	mg/L	0.002831	19.20%
Na 589.592†	5285.2	2.559	mg/L	0.0147	5.117	mg/L	0.0294	0.57%
Na 330.237†	23.1	2.697	mg/L	0.2373	5.394	mg/L	0.4746	8.80%
Ni 231.604†	184.1	0.1482	mg/L	0.00132	0.2964	mg/L	0.00264	0.89%
Pb 220.353†	-24.4	0.02186	mg/L	0.000462	0.04371	mg/L	0.000925	2.12%
Sb 206.836†	-39.9	0.00545	mg/L	0.004412	0.01091	mg/L	0.008823	80.90%
Se 196.026†	-107.9	-0.03761	mg/L	0.007783	-0.07521	mg/L	0.015565	20.70%
Si 288.158†	3086.0	1.771	mg/L	0.0367	3.541	mg/L	0.0733	2.07%
Sn 189.927†	-18.2	-0.00798	mg/L	0.000406	-0.01597	mg/L	0.000812	5.08%
Sr 421.552†	90635.7	0.2919	mg/L	0.00143	0.5838	mg/L	0.00287	0.49%
Ti 334.903†	221309.8	10.55	mg/L	0.042	21.10	mg/L	0.084	0.40%
Tl 190.801†	-7.0	-0.02048	mg/L	0.003746	-0.04095	mg/L	0.007492	18.30%
V 292.402†	55568.2	0.4431	mg/L	0.00192	0.8861	mg/L	0.00384	0.43%
Zn 206.200†	334.8	0.3161	mg/L	0.00169	0.6322	mg/L	0.00338	0.53%

Sequence No.: 6
Sample ID: LR67 F SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 29
Date Collected: 10/9/2007 2:54:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 F SWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: LR67 F SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1872786.9	104.9	%	0.59				0.57%
ScR 361.383	162921.1	111.1	%	0.76				0.68%
Ag 328.068†	-963.6	0.00018	mg/L	0.000432	0.00036	mg/L	0.000865	236.98%
Al 308.215†	210393.6	125.4	mg/L	0.11	250.8	mg/L	0.23	0.09%
As 188.979†	104.5	0.04269	mg/L	0.003370	0.08538	mg/L	0.006740	7.89%
B 249.677†	36.7	0.03311	mg/L	0.001024	0.06622	mg/L	0.002048	3.09%
Ba 233.527†	1416.5	0.2399	mg/L	0.00189	0.4798	mg/L	0.00378	0.79%
Be 313.042†	852.0	0.00173	mg/L	0.000165	0.00347	mg/L	0.000330	9.51%
Ca 317.933†	826753.7	79.84	mg/L	0.352	159.7	mg/L	0.70	0.44%
Cd 228.802†	66.5	0.00100	mg/L	0.000135	0.00201	mg/L	0.000271	13.50%
Co 228.616†	4564.6	0.06169	mg/L	0.000558	0.1234	mg/L	0.00112	0.90%
Cr 267.716†	1868.4	0.4457	mg/L	0.00415	0.8914	mg/L	0.00829	0.93%
Cu 324.752†	37156.3	0.1834	mg/L	0.00013	0.3668	mg/L	0.00027	0.07%
Fe 273.955†	226174.4	182.2	mg/L	0.12	364.5	mg/L	0.25	0.07%
K 766.490†	8485.4	6.217	mg/L	0.0060	12.43	mg/L	0.012	0.10%
Mg 279.077†	105823.7	84.28	mg/L	0.148	168.6	mg/L	0.30	0.18%
Mn 257.610†	71469.5	2.437	mg/L	0.0033	4.874	mg/L	0.0067	0.14%
Mo 202.031†	20.1	0.00683	mg/L	0.001493	0.01365	mg/L	0.002986	21.87%
Na 589.592†	5660.0	2.740	mg/L	0.0191	5.480	mg/L	0.0382	0.70%
Na 330.237†	26.3	2.686	mg/L	0.2969	5.372	mg/L	0.5937	11.05%
Ni 231.604†	209.0	0.1682	mg/L	0.00226	0.3365	mg/L	0.00451	1.34%
Pb 220.353†	1098.3	0.1808	mg/L	0.00186	0.3617	mg/L	0.00371	1.03%
Sb 206.836†	-39.0	0.00267	mg/L	0.000225	0.00534	mg/L	0.000450	8.42%
Se 196.026†	-102.1	-0.03272	mg/L	0.005895	-0.06543	mg/L	0.011790	18.02%
Si 288.158†	3270.4	1.876	mg/L	0.0241	3.753	mg/L	0.0483	1.29%
Sn 189.927†	-14.3	-0.00678	mg/L	0.000520	-0.01356	mg/L	0.001041	7.68%
Sr 421.552†	90827.9	0.2924	mg/L	0.00199	0.5848	mg/L	0.00399	0.68%
Ti 334.903†	221368.3	10.55	mg/L	0.010	21.10	mg/L	0.021	0.10%
Tl 190.801†	-11.9	-0.02303	mg/L	0.002801	-0.04605	mg/L	0.005603	12.17%
V 292.402†	59029.2	0.4729	mg/L	0.00071	0.9459	mg/L	0.00143	0.15%
Zn 206.200†	796.8	0.7483	mg/L	0.00593	1.497	mg/L	0.0119	0.79%

Sequence No.: 7
Sample ID: LR67 ADUP SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 30
Date Collected: 10/9/2007 3:00:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 ADUP SWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

rerun

Mean Data: LR67 ADUP SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1840542.5	103.1	%	0.35				0.34%
ScR 361.383	158560.9	108.1	%	1.00				0.92%
Ag 328.068†	269.2	0.01740	mg/L	0.000997	0.03480	mg/L	0.001994	5.73%
Al 308.215†	98362.2	58.62	mg/L	0.323	117.2	mg/L	0.65	0.55%
As 188.979†	253.6	0.1934	mg/L	0.00621	0.3867	mg/L	0.01242	3.21%
B 249.677†	635.6	0.3569	mg/L	0.00132	0.7137	mg/L	0.00264	0.37%
Ba 233.527†	8847.8	1.525	mg/L	0.0185	3.049	mg/L	0.0369	1.21%
Be 313.042†	232.5	0.00016	mg/L	0.000039	0.00033	mg/L	0.000079	24.23%
Ca 317.933†	470690.3	45.45	mg/L	0.185	90.91	mg/L	0.370	0.41%
Cd 228.802†	9831.6	0.2333	mg/L	0.00150	0.4666	mg/L	0.00300	0.64%
Co 228.616†	4297.5	0.06405	mg/L	0.000472	0.1281	mg/L	0.00094	0.74%
Cr 267.716†	2316.7	0.5578	mg/L	0.00603	1.116	mg/L	0.0121	1.08%
Cu 324.752†	702577.2	3.232	mg/L	0.0007	6.465	mg/L	0.0014	0.02%
Fe 273.955†	585815.2	472.0	mg/L	1.11	944.1	mg/L	2.22	0.23%
K 766.490†	6025.1	4.414	mg/L	0.0707	8.828	mg/L	0.1415	1.60%
Mg 279.077†	38412.1	30.44	mg/L	0.105	60.87	mg/L	0.209	0.34%
Mn 257.610†	69905.8	2.396	mg/L	0.0095	4.791	mg/L	0.0190	0.40%
Mo 202.031†	133.6	0.02247	mg/L	0.000925	0.04495	mg/L	0.001851	4.12%
Na 589.592†	4707.3	2.279	mg/L	0.0195	4.558	mg/L	0.0389	0.85%
Na 330.237†	485.9	-1.401	mg/L	1.0601	-2.803	mg/L	2.1201	75.64%
Ni 231.604†	385.0	0.3098	mg/L	0.00537	0.6195	mg/L	0.01074	1.73%
Pb 220.353†	110922.7	15.68	mg/L	0.022	31.35	mg/L	0.044	0.14%
Sb 206.836†	91.0	0.06061	mg/L	0.003569	0.1212	mg/L	0.00714	5.89%
Se 196.026†	-165.0	-0.05358	mg/L	0.010624	-0.1072	mg/L	0.02125	19.83%
Si 288.158†	1686.3	0.9678	mg/L	0.01089	1.936	mg/L	0.0218	1.13%
Sn 189.927†	738.6	0.1933	mg/L	0.00212	0.3866	mg/L	0.00424	1.10%
Sr 421.552†	44209.8	0.1387	mg/L	0.00104	0.2774	mg/L	0.00209	0.75%
Ti 334.903†	91601.6	4.366	mg/L	0.0211	8.731	mg/L	0.0423	0.48%
Tl 190.801†	-56.8	-0.03563	mg/L	0.001542	-0.07127	mg/L	0.003084	4.33%
V 292.402†	31010.0	0.2224	mg/L	0.00049	0.4447	mg/L	0.00097	0.22%
Zn 206.200†	48573.6	45.49	mg/L	0.208	90.99	mg/L	0.416	0.46%

User canceled analysis.

Analysis Begun

Start Time: 10/9/2007 3:08:08 PM
Logged In Analyst: metals
Spectrometer Model: Optima 4300 DV, S/N 077N0060101
Plasma On Time: 10/9/2007 10:26:33 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\1009A.sif
Batch ID:
Results Data Set: PE071009
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 8
Sample ID: LR67 A SWC
Analyst: BLW
Initial Sample Wt:
Dilution: ~~2X~~ 5X BLW 10.9
Autosampler Location: 31
Date Collected: 10/9/2007 3:08:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

DK

Nebulizer Parameters: LR67 A SWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: LR67 A SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
ScA 357.253	1834801.5	102.8	%	0.29				0.28%
ScR 361.383	157533.8	107.4	%	0.33				0.31%
Ag 328.068†	433.7	0.00945	mg/L	0.000478	0.01889	mg/L	0.000957	5.06%
Al 308.215†	40411.5	24.08	mg/L	0.073	48.17	mg/L	0.146	0.30%
As 188.979†	112.3	0.08623	mg/L	0.003146	0.1725	mg/L	0.00629	3.65%
B 249.677†	289.2	0.1614	mg/L	0.00326	0.3228	mg/L	0.00652	2.02%
Ba 233.527†	4174.7	0.7201	mg/L	0.00446	1.440	mg/L	0.0089	0.62%
Be 313.042†	91.8	0.00006	mg/L	0.000040	0.00012	mg/L	0.000081	67.86%
Ca 317.933†	203741.1	19.68	mg/L	0.024	39.35	mg/L	0.048	0.12%
Cd 228.802†	4122.8	0.09781	mg/L	0.000365	0.1956	mg/L	0.00073	0.37%
Co 228.616†	1932.8	0.02935	mg/L	0.000031	0.05870	mg/L	0.000062	0.10%
Cr 267.716†	1016.9	0.2447	mg/L	0.00139	0.4895	mg/L	0.00278	0.57%
Cu 324.752†	290709.0	1.338	mg/L	0.0025	2.676	mg/L	0.0050	0.19%
Fe 273.955†	252029.1	203.1	mg/L	0.32	406.2	mg/L	0.64	0.16%
K 766.490†	2336.3	1.712	mg/L	0.0017	3.423	mg/L	0.0033	0.10%
Mg 279.077†	15672.2	12.41	mg/L	0.034	24.83	mg/L	0.068	0.27%
Mn 257.610†	29695.1	1.018	mg/L	0.0040	2.036	mg/L	0.0079	0.39%
Mo 202.031†	80.0	0.01316	mg/L	0.000789	0.02631	mg/L	0.001579	6.00%
Na 589.592†	2052.0	0.9934	mg/L	0.00459	1.987	mg/L	0.0092	0.46%
Na 330.237†	201.0	-0.9954	mg/L	0.23484	-1.991	mg/L	0.4697	23.59%
Ni 231.604†	152.7	0.1229	mg/L	0.00168	0.2458	mg/L	0.00335	1.36%
Pb 220.353†	50789.3	7.178	mg/L	0.0148	14.36	mg/L	0.030	0.21%
Sb 206.836†	32.7	0.02256	mg/L	0.002629	0.04512	mg/L	0.005257	11.65%
Se 196.026†	-74.5	-0.02627	mg/L	0.001497	-0.05254	mg/L	0.002995	5.70%
Si 288.158†	635.3	0.3646	mg/L	0.00451	0.7293	mg/L	0.00901	1.24%
Sn 189.927†	260.5	0.06599	mg/L	0.000634	0.1320	mg/L	0.00127	0.96%
Sr 421.552†	19894.5	0.06251	mg/L	0.000377	0.1250	mg/L	0.00075	0.60%
Ti 334.903†	37029.1	1.765	mg/L	0.0029	3.530	mg/L	0.0058	0.16%
Tl 190.801†	-21.5	-0.01377	mg/L	0.002275	-0.02753	mg/L	0.004549	16.52%
V 292.402†	12456.4	0.08842	mg/L	0.000442	0.1768	mg/L	0.00088	0.50%
Zn 206.200†	20942.5	19.61	mg/L	0.039	39.23	mg/L	0.079	0.20%

Sequence No.: 9
Sample ID: LR67 ASPK SWC
Analyst: BLW
Initial Sample Wt:
Dilution: ~~2X~~ 5X 10.9

Autosampler Location: 32
Date Collected: 10/9/2007 3:14:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 ASPK SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR67 ASPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1831492.7	102.6	%	0.35				0.34%
ScR 361.383	156560.4	106.7	%	1.22				1.15%
Ag 328.068†	32562.7	0.2070	mg/L	0.00079	0.4140	mg/L	0.00158	0.38%
Al 308.215†	41895.3	24.97	mg/L	0.075	49.93	mg/L	0.149	0.30%
As 188.979†	1010.8	0.8457	mg/L	0.00641	1.691	mg/L	0.0128	0.76%
B 249.677†	265.6	0.1477	mg/L	0.00432	0.2953	mg/L	0.00865	2.93%
Ba 233.527†	7641.2	1.325	mg/L	0.0169	2.650	mg/L	0.0337	1.27%
Be 313.042†	55274.0	0.1972	mg/L	0.00127	0.3944	mg/L	0.00255	0.65%
Ca 317.933†	230495.3	22.26	mg/L	0.103	44.52	mg/L	0.207	0.46%
Cd 228.802†	12120.3	0.2838	mg/L	0.00168	0.5675	mg/L	0.00335	0.59%
Co 228.616†	11643.8	0.2127	mg/L	0.00130	0.4254	mg/L	0.00260	0.61%
Cr 267.716†	1700.4	0.4063	mg/L	0.00595	0.8126	mg/L	0.01191	1.47%
Cu 324.752†	309405.7	1.422	mg/L	0.0016	2.843	mg/L	0.0032	0.11%
Fe 273.955†	231744.1	186.7	mg/L	0.54	373.5	mg/L	1.09	0.29%
K 766.490†	7575.9	5.550	mg/L	0.0064	11.10	mg/L	0.013	0.11%
Mg 279.077†	19942.9	15.82	mg/L	0.017	31.65	mg/L	0.034	0.11%
Mn 257.610†	33341.1	1.142	mg/L	0.0016	2.284	mg/L	0.0033	0.14%
Mo 202.031†	65.1	0.01075	mg/L	0.000177	0.02150	mg/L	0.000353	1.64%
Na 589.592†	10092.3	4.886	mg/L	0.0222	9.772	mg/L	0.0444	0.45%
Na 330.237†	275.8	2.955	mg/L	0.5217	5.911	mg/L	1.0434	17.65%
Ni 231.604†	370.4	0.2983	mg/L	0.00462	0.5966	mg/L	0.00925	1.55%
Pb 220.353†	45443.8	6.423	mg/L	0.0096	12.85	mg/L	0.019	0.15%
Sb 206.836†	477.8	0.2289	mg/L	0.00368	0.4578	mg/L	0.00735	1.61%
Se 196.026†	774.7	0.7239	mg/L	0.00687	1.448	mg/L	0.0137	0.95%
Si 288.158†	651.5	0.3740	mg/L	0.00205	0.7481	mg/L	0.00411	0.55%
Sn 189.927†	216.9	0.05419	mg/L	0.001612	0.1084	mg/L	0.00322	2.98%
Sr 421.552†	76703.7	0.2468	mg/L	0.00105	0.4936	mg/L	0.00209	0.42%
Ti 334.903†	29171.9	1.390	mg/L	0.0077	2.780	mg/L	0.0153	0.55%
Tl 190.801†	1559.4	0.7358	mg/L	0.00378	1.472	mg/L	0.0076	0.51%
V 292.402†	34428.3	0.2746	mg/L	0.00092	0.5492	mg/L	0.00184	0.34%
Zn 206.200†	19274.8	18.05	mg/L	0.046	36.11	mg/L	0.093	0.26%

Sequence No.: 10
Sample ID: LR67 MBSPK SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 33
Date Collected: 10/9/2007 3:20:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 MBSPK SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR67 MBSPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1831798.4	102.6	%	0.42				0.41%
ScR 361.383	155364.7	105.9	%	1.16				1.09%
Ag 328.068†	93.0	0.00057	mg/L	0.000186	0.00115	mg/L	0.000372	32.40%
Al 308.215†	11.6	0.00691	mg/L	0.005700	0.01382	mg/L	0.011401	82.50%
As 188.979†	8.2	0.00689	mg/L	0.001283	0.01378	mg/L	0.002567	18.63%
B 249.677†	8.4	0.00420	mg/L	0.000430	0.00839	mg/L	0.000860	10.25%
Ba 233.527†	5.0	0.00087	mg/L	0.000873	0.00173	mg/L	0.001746	100.70%
Be 313.042†	60.0	0.00021	mg/L	0.000053	0.00043	mg/L	0.000107	24.78%
Ca 317.933†	171.2	0.01654	mg/L	0.001551	0.03307	mg/L	0.003102	9.38%
Cd 228.802†	6.9	0.00012	mg/L	0.000038	0.00024	mg/L	0.000075	31.04%
Co 228.616†	18.6	0.00035	mg/L	0.000114	0.00070	mg/L	0.000227	32.35%
Cr 267.716†	1.9	0.00046	mg/L	0.001309	0.00091	mg/L	0.002617	287.06%
Cu 324.752†	246.3	0.00112	mg/L	0.000161	0.00224	mg/L	0.000322	14.41%
Fe 273.955†	9.9	0.00799	mg/L	0.003249	0.01599	mg/L	0.006498	40.65%
K 766.490†	-5.3	-0.00386	mg/L	0.023694	-0.00773	mg/L	0.047388	613.40%
Mg 279.077†	15.0	0.01192	mg/L	0.004549	0.02384	mg/L	0.009098	38.17%
Mn 257.610†	9.0	0.00031	mg/L	0.000164	0.00062	mg/L	0.000329	53.16%
Mo 202.031†	-1.2	-0.00018	mg/L	0.000626	-0.00036	mg/L	0.001252	344.10%
Na 589.592†	39.8	0.01925	mg/L	0.003875	0.03850	mg/L	0.007750	20.13%
Na 330.237†	-30.1	-1.333	mg/L	0.6869	-2.665	mg/L	1.3738	51.55%
Ni 231.604†	3.2	0.00254	mg/L	0.001337	0.00509	mg/L	0.002675	52.59%
Pb 220.353†	30.5	0.00431	mg/L	0.001974	0.00862	mg/L	0.003947	45.78%
Sb 206.836†	-2.1	-0.00095	mg/L	0.001368	-0.00190	mg/L	0.002736	143.90%
Se 196.026†	1.8	0.00163	mg/L	0.002366	0.00327	mg/L	0.004732	144.86%
Si 288.158†	31.7	0.01816	mg/L	0.001053	0.03633	mg/L	0.002106	5.80%
Sn 189.927†	6.9	0.00205	mg/L	0.000119	0.00410	mg/L	0.000238	5.81%
Sr 421.552†	-80.7	-0.00026	mg/L	0.000083	-0.00052	mg/L	0.000166	31.62%
Ti 334.903†	-34.8	-0.00166	mg/L	0.000471	-0.00331	mg/L	0.000942	28.41%
Tl 190.801†	2.7	0.00130	mg/L	0.002576	0.00261	mg/L	0.005153	197.65%
V 292.402†	-6.6	-0.00005	mg/L	0.000147	-0.00010	mg/L	0.000294	283.69%
Zn 206.200†	55.9	0.05235	mg/L	0.002493	0.1047	mg/L	0.00499	4.76%

Sequence No.: 11
Sample ID: CV
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 10/9/2007 3:27:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1798171.8	100.8	%	0.70				0.69%
ScR 361.383	155070.6	105.7	%	0.64				0.61%
Ag 328.068†	161640.1	0.9968	mg/L	0.01326	0.9968	mg/L	0.01326	1.33%
Al 308.215†	3321.5	1.941	mg/L	0.0063	1.941	mg/L	0.0063	0.32%
As 188.979†	2396.6	2.022	mg/L	0.0034	2.022	mg/L	0.0034	0.17%
B 249.677†	1968.7	0.9833	mg/L	0.00827	0.9833	mg/L	0.00827	0.84%
Ba 233.527†	5653.6	0.9853	mg/L	0.00338	0.9853	mg/L	0.00338	0.34%
Be 313.042†	282236.7	1.008	mg/L	0.0017	1.008	mg/L	0.0017	0.17%
Ca 317.933†	21359.3	2.062	mg/L	0.0102	2.062	mg/L	0.0102	0.49%
Cd 228.802†	42520.0	1.002	mg/L	0.0177	1.002	mg/L	0.0177	1.76%
Co 228.616†	51756.0	0.9711	mg/L	0.01607	0.9711	mg/L	0.01607	1.65%
Cr 267.716†	4161.5	0.9856	mg/L	0.00301	0.9856	mg/L	0.00301	0.31%
Cu 324.752†	229779.2	1.043	mg/L	0.0146	1.043	mg/L	0.0146	1.40%
Fe 273.955†	2530.3	2.036	mg/L	0.0039	2.036	mg/L	0.0039	0.19%
K 766.490†	27399.4	20.07	mg/L	0.129	20.07	mg/L	0.129	0.64%
Mg 279.077†	2625.7	2.096	mg/L	0.0099	2.096	mg/L	0.0099	0.47%
Mn 257.610†	28565.8	0.9758	mg/L	0.00280	0.9758	mg/L	0.00280	0.29%
Mo 202.031†	6089.8	0.9596	mg/L	0.00604	0.9596	mg/L	0.00604	0.63%
Na 589.592†	101040.5	48.92	mg/L	0.302	48.92	mg/L	0.302	0.62%
Na 330.237†	1154.2	49.63	mg/L	0.140	49.63	mg/L	0.140	0.28%
Ni 231.604†	1240.7	1.001	mg/L	0.0050	1.001	mg/L	0.0050	0.50%
Pb 220.353†	14371.9	2.035	mg/L	0.0310	2.035	mg/L	0.0310	1.52%
Sb 206.836†	4273.9	2.008	mg/L	0.0114	2.008	mg/L	0.0114	0.57%
Se 196.026†	2226.8	1.973	mg/L	0.0099	1.973	mg/L	0.0099	0.50%
Si 288.158†	3573.2	2.053	mg/L	0.0113	2.053	mg/L	0.0113	0.55%
Sn 189.927†	3066.4	0.9164	mg/L	0.00459	0.9164	mg/L	0.00459	0.50%
Sr 421.552†	296359.5	0.9608	mg/L	0.00407	0.9608	mg/L	0.00407	0.42%
Ti 334.903†	20881.5	0.9942	mg/L	0.00609	0.9942	mg/L	0.00609	0.61%
Tl 190.801†	4151.7	1.960	mg/L	0.0061	1.960	mg/L	0.0061	0.31%
V 292.402†	116620.3	0.9850	mg/L	0.01451	0.9850	mg/L	0.01451	1.47%
Zn 206.200†	1130.2	1.058	mg/L	0.0070	1.058	mg/L	0.0070	0.66%

Sequence No.: 12
Sample ID: CB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/9/2007 3:33:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1813196.9	101.6	%	0.49				0.48%
ScR 361.383	153245.8	104.5	%	0.27				0.25%
Ag 328.068†	177.1	0.00109	mg/L	0.000580	0.00109	mg/L	0.000580	53.14%
Al 308.215†	-7.4	-0.00444	mg/L	0.008757	-0.00444	mg/L	0.008757	197.19%
As 188.979†	13.0	0.01099	mg/L	0.003239	0.01099	mg/L	0.003239	29.47%
B 249.677†	19.0	0.00950	mg/L	0.003229	0.00950	mg/L	0.003229	34.00%
Ba 233.527†	-0.1	-0.00002	mg/L	0.000368	-0.00002	mg/L	0.000368	>999.9%
Be 313.042†	48.8	0.00017	mg/L	0.000045	0.00017	mg/L	0.000045	25.67%
Ca 317.933†	29.6	0.00286	mg/L	0.003129	0.00286	mg/L	0.003129	109.56%
Cd 228.802†	6.5	0.00008	mg/L	0.000081	0.00008	mg/L	0.000081	95.78%
Co 228.616†	20.9	0.00039	mg/L	0.000138	0.00039	mg/L	0.000138	35.06%
Cr 267.716†	-0.3	-0.00007	mg/L	0.001066	-0.00007	mg/L	0.001066	>999.9%
Cu 324.752†	228.4	0.00104	mg/L	0.000082	0.00104	mg/L	0.000082	7.90%
Fe 273.955†	-4.4	-0.00355	mg/L	0.001621	-0.00355	mg/L	0.001621	45.66%
K 766.490†	46.9	0.03439	mg/L	0.029319	0.03439	mg/L	0.029319	85.26%
Mg 279.077†	15.1	0.01207	mg/L	0.008518	0.01207	mg/L	0.008518	70.58%
Mn 257.610†	3.0	0.00010	mg/L	0.000143	0.00010	mg/L	0.000143	137.41%
Mo 202.031†	2.9	0.00046	mg/L	0.000494	0.00046	mg/L	0.000494	107.61%
Na 589.592†	26.3	0.01273	mg/L	0.004461	0.01273	mg/L	0.004461	35.03%
Na 330.237†	-5.4	-0.2408	mg/L	0.26760	-0.2408	mg/L	0.26760	111.11%
Ni 231.604†	0.4	0.00034	mg/L	0.003697	0.00034	mg/L	0.003697	>999.9%
Pb 220.353†	21.4	0.00303	mg/L	0.001172	0.00303	mg/L	0.001172	38.70%
Sb 206.836†	-6.5	-0.00304	mg/L	0.002239	-0.00304	mg/L	0.002239	73.68%
Se 196.026†	-6.8	-0.00605	mg/L	0.002431	-0.00605	mg/L	0.002431	40.16%
Si 288.158†	-9.0	-0.00518	mg/L	0.001341	-0.00518	mg/L	0.001341	25.92%
Sn 189.927†	6.9	0.00207	mg/L	0.000759	0.00207	mg/L	0.000759	36.67%
Sr 421.552†	-199.0	-0.00065	mg/L	0.000186	-0.00065	mg/L	0.000186	28.84%
Ti 334.903†	6.9	0.00033	mg/L	0.001560	0.00033	mg/L	0.001560	476.97%
Tl 190.801†	6.6	0.00315	mg/L	0.002680	0.00315	mg/L	0.002680	85.20%
V 292.402†	47.8	0.00040	mg/L	0.000158	0.00040	mg/L	0.000158	39.41%
Zn 206.200†	17.6	0.01651	mg/L	0.002041	0.01651	mg/L	0.002041	12.36%

User canceled analysis.

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Analysis Begun

Start Time: 10/9/2007 3:44:26 PM **Plasma On Time: 10/9/2007 10:26:33 AM**
Logged In Analyst: metals **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N0060101Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\1009A.sif
Batch ID:
Results Data Set: PE071009
Results Library: C:\pe\Administrator\Results\Results.mdb

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Sequence No.: 11 **Autosampler Location: 7**
Sample ID: CV **Date Collected: 10/9/2007 3:44:26 PM**
Analyst: BLW **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1776552.7	99.55	%	0.766				0.77%
ScR 361.383	150653.3	102.7	%	0.76				0.74%
Ag 328.068†	163405.1	1.008	mg/L	0.0114	1.008	mg/L	0.0114	1.13%
Al 308.215†	3340.6	1.952	mg/L	0.0131	1.952	mg/L	0.0131	0.67%
As 188.979†	2410.1	2.034	mg/L	0.0193	2.034	mg/L	0.0193	0.95%
B 249.677†	1932.1	0.9650	mg/L	0.00320	0.9650	mg/L	0.00320	0.33%
Ba 233.527†	5539.0	0.9653	mg/L	0.00417	0.9653	mg/L	0.00417	0.43%
Be 313.042†	275908.0	0.9855	mg/L	0.00838	0.9855	mg/L	0.00838	0.85%
Ca 317.933†	21301.2	2.057	mg/L	0.0150	2.057	mg/L	0.0150	0.73%
Cd 228.802†	43247.9	1.019	mg/L	0.0073	1.019	mg/L	0.0073	0.71%
Co 228.616†	52313.5	0.9816	mg/L	0.00995	0.9816	mg/L	0.00995	1.01%
Cr 267.716†	4051.8	0.9596	mg/L	0.00598	0.9596	mg/L	0.00598	0.62%
Cu 324.752†	232299.9	1.054	mg/L	0.0111	1.054	mg/L	0.0111	1.05%
Fe 273.955†	2453.4	1.974	mg/L	0.0093	1.974	mg/L	0.0093	0.47%
K 766.490†	27972.6	20.49	mg/L	0.206	20.49	mg/L	0.206	1.01%
Mg 279.077†	2536.8	2.025	mg/L	0.0134	2.025	mg/L	0.0134	0.66%
Mn 257.610†	28183.6	0.9628	mg/L	0.00367	0.9628	mg/L	0.00367	0.38%
Mo 202.031†	6148.1	0.9687	mg/L	0.00988	0.9687	mg/L	0.00988	1.02%
Na 589.592†	102630.5	49.69	mg/L	0.370	49.69	mg/L	0.370	0.74%
Na 330.237†	1184.4	50.97	mg/L	0.342	50.97	mg/L	0.342	0.67%
Ni 231.604†	1204.3	0.9716	mg/L	0.00162	0.9716	mg/L	0.00162	0.17%
Pb 220.353†	14542.5	2.059	mg/L	0.0216	2.059	mg/L	0.0216	1.05%
Sb 206.836†	4313.7	2.027	mg/L	0.0238	2.027	mg/L	0.0238	1.17%
Se 196.026†	2241.3	1.986	mg/L	0.0170	1.986	mg/L	0.0170	0.86%
Si 288.158†	3550.2	2.039	mg/L	0.0128	2.039	mg/L	0.0128	0.63%
Sn 189.927†	3089.1	0.9232	mg/L	0.00981	0.9232	mg/L	0.00981	1.06%
Sr 421.552†	298651.5	0.9682	mg/L	0.00725	0.9682	mg/L	0.00725	0.75%
Ti 334.903†	20774.4	0.9891	mg/L	0.00800	0.9891	mg/L	0.00800	0.81%
Tl 190.801†	4166.8	1.967	mg/L	0.0203	1.967	mg/L	0.0203	1.03%
V 292.402†	118140.9	0.9975	mg/L	0.01012	0.9975	mg/L	0.01012	1.01%
Zn 206.200†	1074.4	1.006	mg/L	0.0045	1.006	mg/L	0.0045	0.45%

Sequence No.: 12
Sample ID: CB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/9/2007 3:51:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
ScA 357.253	1810876.7	101.5	%	0.30				0.30%
ScR 361.383	154052.7	105.0	%	0.54				0.52%
Ag 328.068†	120.8	0.00074	mg/L	0.000237	0.00074	mg/L	0.000237	31.82%
Al 308.215†	13.5	0.00799	mg/L	0.019828	0.00799	mg/L	0.019828	248.02%
As 188.979†	4.6	0.00388	mg/L	0.000735	0.00388	mg/L	0.000735	18.97%
B 249.677†	19.6	0.00983	mg/L	0.004092	0.00983	mg/L	0.004092	41.64%
Ba 233.527†	2.3	0.00040	mg/L	0.000314	0.00040	mg/L	0.000314	79.50%
Be 313.042†	29.7	0.00011	mg/L	0.000107	0.00011	mg/L	0.000107	100.63%
Ca 317.933†	35.6	0.00344	mg/L	0.002176	0.00344	mg/L	0.002176	63.33%
Cd 228.802†	6.1	0.00012	mg/L	0.000179	0.00012	mg/L	0.000179	149.71%
Co 228.616†	9.8	0.00018	mg/L	0.000210	0.00018	mg/L	0.000210	114.96%
Cr 267.716†	2.5	0.00060	mg/L	0.000739	0.00060	mg/L	0.000739	122.42%
Cu 324.752†	76.2	0.00035	mg/L	0.000109	0.00035	mg/L	0.000109	31.61%
Fe 273.955†	2.6	0.00210	mg/L	0.005404	0.00210	mg/L	0.005404	256.71%
K 766.490†	32.7	0.02395	mg/L	0.056870	0.02395	mg/L	0.056870	237.41%
Mg 279.077†	2.3	0.00180	mg/L	0.011265	0.00180	mg/L	0.011265	626.57%
Mn 257.610†	1.1	0.00004	mg/L	0.000158	0.00004	mg/L	0.000158	402.93%
Mo 202.031†	5.5	0.00086	mg/L	0.000417	0.00086	mg/L	0.000417	48.56%
Na 589.592†	55.0	0.02664	mg/L	0.007156	0.02664	mg/L	0.007156	26.86%
Na 330.237†	-12.5	-0.5455	mg/L	0.25647	-0.5455	mg/L	0.25647	47.01%
Ni 231.604†	-3.4	-0.00274	mg/L	0.003065	-0.00274	mg/L	0.003065	111.67%
Pb 220.353†	8.2	0.00117	mg/L	0.001038	0.00117	mg/L	0.001038	88.71%
Sb 206.836†	-3.4	-0.00157	mg/L	0.002056	-0.00157	mg/L	0.002056	131.35%
Se 196.026†	-4.5	-0.00401	mg/L	0.005604	-0.00401	mg/L	0.005604	139.73%
Si 288.158†	-3.3	-0.00187	mg/L	0.008353	-0.00187	mg/L	0.008353	447.68%
Sn 189.927†	8.6	0.00257	mg/L	0.000642	0.00257	mg/L	0.000642	24.94%
Sr 421.552†	-109.6	-0.00036	mg/L	0.000093	-0.00036	mg/L	0.000093	26.20%
Ti 334.903†	16.7	0.00079	mg/L	0.000903	0.00079	mg/L	0.000903	113.76%
Tl 190.801†	10.5	0.00500	mg/L	0.002689	0.00500	mg/L	0.002689	53.84%
V 292.402†	12.1	0.00011	mg/L	0.000219	0.00011	mg/L	0.000219	200.49%
Zn 206.200†	9.6	0.00902	mg/L	0.001527	0.00902	mg/L	0.001527	16.92%

Sequence No.: 13
Sample ID: LR67 L SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 34
Date Collected: 10/9/2007 3:57:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 L SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR67 L SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1850875.4	103.7	%	0.61				0.58%
ScR 361.383	159149.2	108.5	%	0.05				0.05%
Ag 328.068†	-822.1	0.00000	mg/L	0.000305	0.00001	mg/L	0.000610	>999.9%
Al 308.215†	173132.0	103.2	mg/L	0.20	206.4	mg/L	0.39	0.19%
As 188.979†	94.0	0.04185	mg/L	0.002325	0.08370	mg/L	0.004649	5.55%
B 249.677†	40.8	0.03273	mg/L	0.001359	0.06545	mg/L	0.002719	4.15%
Ba 233.527†	1478.6	0.2519	mg/L	0.00046	0.5039	mg/L	0.00092	0.18%
Be 313.042†	651.6	0.00135	mg/L	0.000016	0.00270	mg/L	0.000031	1.15%
Ca 317.933†	1094721.3	105.7	mg/L	0.26	211.4	mg/L	0.52	0.24%
Cd 228.802†	49.2	0.00065	mg/L	0.000100	0.00130	mg/L	0.000200	15.39%
Co 228.616†	3806.7	0.05453	mg/L	0.000881	0.1091	mg/L	0.00176	1.61%
Cr 267.716†	760.6	0.1827	mg/L	0.00086	0.3654	mg/L	0.00171	0.47%
Cu 324.752†	35671.3	0.1745	mg/L	0.00055	0.3489	mg/L	0.00111	0.32%
Fe 273.955†	187518.5	151.1	mg/L	0.46	302.2	mg/L	0.91	0.30%
K 766.490†	8002.6	5.863	mg/L	0.0604	11.73	mg/L	0.121	1.03%
Mg 279.077†	81832.7	65.17	mg/L	0.139	130.3	mg/L	0.28	0.21%
Mn 257.610†	71309.6	2.432	mg/L	0.0022	4.864	mg/L	0.0044	0.09%
Mo 202.031†	37.4	0.00763	mg/L	0.001288	0.01525	mg/L	0.002575	16.88%
Na 589.592†	4823.6	2.335	mg/L	0.0092	4.670	mg/L	0.0185	0.40%
Na 330.237†	30.8	1.998	mg/L	0.2562	3.997	mg/L	0.5125	12.82%
Ni 231.604†	158.3	0.1275	mg/L	0.00312	0.2550	mg/L	0.00624	2.45%
Pb 220.353†	1696.4	0.2605	mg/L	0.00223	0.5211	mg/L	0.00447	0.86%
Sb 206.836†	-29.9	0.00261	mg/L	0.002462	0.00522	mg/L	0.004923	94.33%
Se 196.026†	-93.8	-0.03105	mg/L	0.006387	-0.06210	mg/L	0.012773	20.57%
Si 288.158†	2767.7	1.588	mg/L	0.0172	3.176	mg/L	0.0344	1.08%
Sn 189.927†	-27.7	-0.01016	mg/L	0.003209	-0.02032	mg/L	0.006419	31.58%
Sr 421.552†	91816.5	0.2960	mg/L	0.00134	0.5919	mg/L	0.00269	0.45%
Ti 334.903†	152356.8	7.261	mg/L	0.0120	14.52	mg/L	0.024	0.17%
Tl 190.801†	-14.2	-0.01974	mg/L	0.002104	-0.03947	mg/L	0.004208	10.66%
V 292.402†	44665.2	0.3564	mg/L	0.00128	0.7129	mg/L	0.00256	0.36%
Zn 206.200†	982.8	0.9234	mg/L	0.00290	1.847	mg/L	0.0058	0.31%

Sequence No.: 14
Sample ID: LR67 M SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 35
Date Collected: 10/9/2007 4:04:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 M SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR67 M SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1848669.3	103.6	%	0.39				0.38%
ScR 361.383	162463.3	110.8	%	0.50				0.45%
Ag 328.068†	-873.8	-0.00004	mg/L	0.000184	-0.00008	mg/L	0.000369	454.73%
Al 308.215†	194299.5	115.8	mg/L	0.13	231.6	mg/L	0.27	0.12%
As 188.979†	103.2	0.04599	mg/L	0.002636	0.09199	mg/L	0.005273	5.73%
B 249.677†	29.2	0.02759	mg/L	0.002421	0.05518	mg/L	0.004842	8.78%
Ba 233.527†	1501.3	0.2556	mg/L	0.00064	0.5112	mg/L	0.00129	0.25%
Be 313.042†	656.1	0.00130	mg/L	0.000046	0.00261	mg/L	0.000092	3.55%
Ca 317.933†	1072616.6	103.6	mg/L	0.27	207.2	mg/L	0.54	0.26%
Cd 228.802†	45.2	0.00050	mg/L	0.000176	0.00101	mg/L	0.000351	34.83%
Co 228.616†	4207.6	0.06022	mg/L	0.000449	0.1204	mg/L	0.00090	0.74%
Cr 267.716†	763.6	0.1836	mg/L	0.00019	0.3671	mg/L	0.00038	0.10%
Cu 324.752†	41306.7	0.2006	mg/L	0.00019	0.4013	mg/L	0.00038	0.10%
Fe 273.955†	197643.4	159.3	mg/L	0.35	318.5	mg/L	0.69	0.22%
K 766.490†	7437.5	5.449	mg/L	0.0422	10.90	mg/L	0.084	0.77%
Mg 279.077†	83056.9	66.14	mg/L	0.096	132.3	mg/L	0.19	0.14%
Mn 257.610†	73006.6	2.490	mg/L	0.0060	4.980	mg/L	0.0119	0.24%
Mo 202.031†	29.4	0.00707	mg/L	0.000800	0.01415	mg/L	0.001599	11.30%
Na 589.592†	5801.6	2.809	mg/L	0.0083	5.617	mg/L	0.0166	0.30%
Na 330.237†	36.6	2.745	mg/L	0.4406	5.490	mg/L	0.8812	16.05%
Ni 231.604†	174.6	0.1406	mg/L	0.00289	0.2811	mg/L	0.00578	2.06%
Pb 220.353†	134.4	0.04273	mg/L	0.000662	0.08546	mg/L	0.001324	1.55%
Sb 206.836†	-34.6	0.00240	mg/L	0.001480	0.00480	mg/L	0.002960	61.68%
Se 196.026†	-103.0	-0.03612	mg/L	0.003584	-0.07225	mg/L	0.007168	9.92%
Si 288.158†	2435.3	1.397	mg/L	0.0070	2.795	mg/L	0.0141	0.50%
Sn 189.927†	-23.9	-0.00933	mg/L	0.000774	-0.01865	mg/L	0.001547	8.29%
Sr 421.552†	95244.3	0.3070	mg/L	0.00083	0.6140	mg/L	0.00165	0.27%
Ti 334.903†	170316.4	8.117	mg/L	0.0150	16.23	mg/L	0.030	0.18%
Tl 190.801†	-10.0	-0.01889	mg/L	0.003254	-0.03778	mg/L	0.006509	17.23%
V 292.402†	47177.7	0.3761	mg/L	0.00116	0.7521	mg/L	0.00232	0.31%
Zn 206.200†	351.3	0.3319	mg/L	0.00141	0.6637	mg/L	0.00283	0.43%

Sequence No.: 15
Sample ID: LR67 N SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 36
Date Collected: 10/9/2007 4:10:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 N SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR67 N SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1867489.0	104.6	%	0.59				0.57%
ScR 361.383	163257.1	111.3	%	0.23				0.21%
Ag 328.068†	-774.6	0.00007	mg/L	0.000803	0.00013	mg/L	0.001607	>999.9%
Al 308.215†	167904.7	100.1	mg/L	0.32	200.1	mg/L	0.64	0.32%
As 188.979†	90.1	0.03678	mg/L	0.004942	0.07355	mg/L	0.009884	13.44%
B 249.677†	36.0	0.02970	mg/L	0.002357	0.05940	mg/L	0.004714	7.94%
Ba 233.527†	1172.1	0.1987	mg/L	0.00050	0.3975	mg/L	0.00100	0.25%
Be 313.042†	675.3	0.00127	mg/L	0.000018	0.00254	mg/L	0.000036	1.40%
Ca 317.933†	741109.1	71.57	mg/L	0.534	143.1	mg/L	1.07	0.75%
Cd 228.802†	162.0	0.00336	mg/L	0.000187	0.00672	mg/L	0.000374	5.57%
Co 228.616†	3908.7	0.05142	mg/L	0.000664	0.1028	mg/L	0.00133	1.29%
Cr 267.716†	851.7	0.2042	mg/L	0.00167	0.4085	mg/L	0.00335	0.82%
Cu 324.752†	42780.7	0.2055	mg/L	0.00015	0.4111	mg/L	0.00030	0.07%
Fe 273.955†	178737.7	144.0	mg/L	0.24	288.0	mg/L	0.49	0.17%
K 766.490†	6704.1	4.911	mg/L	0.0474	9.823	mg/L	0.0948	0.97%
Mg 279.077†	69987.3	55.73	mg/L	0.242	111.5	mg/L	0.48	0.43%
Mn 257.610†	55011.9	1.876	mg/L	0.0022	3.753	mg/L	0.0043	0.12%
Mo 202.031†	25.9	0.00677	mg/L	0.000358	0.01354	mg/L	0.000716	5.29%
Na 589.592†	4686.7	2.269	mg/L	0.0047	4.538	mg/L	0.0095	0.21%
Na 330.237†	21.8	2.074	mg/L	0.2063	4.148	mg/L	0.4125	9.95%
Ni 231.604†	160.1	0.1289	mg/L	0.00322	0.2578	mg/L	0.00644	2.50%
Pb 220.353†	2770.1	0.4120	mg/L	0.00330	0.8241	mg/L	0.00661	0.80%
Sb 206.836†	-35.7	0.00605	mg/L	0.002592	0.01211	mg/L	0.005183	42.81%
Se 196.026†	-85.6	-0.02912	mg/L	0.001149	-0.05824	mg/L	0.002298	3.95%
Si 288.158†	2129.3	1.222	mg/L	0.0092	2.443	mg/L	0.0184	0.75%
Sn 189.927†	-29.8	-0.01085	mg/L	0.002081	-0.02171	mg/L	0.004163	19.18%
Sr 421.552†	76273.5	0.2457	mg/L	0.00131	0.4914	mg/L	0.00261	0.53%
Ti 334.903†	206429.9	9.839	mg/L	0.0443	19.68	mg/L	0.089	0.45%
Tl 190.801†	-1.4	-0.01620	mg/L	0.000729	-0.03240	mg/L	0.001459	4.50%
V 292.402†	50710.5	0.4053	mg/L	0.00142	0.8107	mg/L	0.00284	0.35%
Zn 206.200†	1315.0	1.234	mg/L	0.0082	2.467	mg/L	0.0164	0.67%

Sequence No.: 16
Sample ID: LR67 O SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 37
Date Collected: 10/9/2007 4:16:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 O SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR67 O SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1869056.3	104.7	%	0.75				0.71%
ScR 361.383	160703.6	109.6	%	0.17				0.15%
Ag 328.068†	-184.4	0.00098	mg/L	0.000378	0.00195	mg/L	0.000756	38.78%
Al 308.215†	43281.3	25.79	mg/L	0.038	51.59	mg/L	0.076	0.15%
As 188.979†	90.6	0.06638	mg/L	0.002985	0.1328	mg/L	0.00597	4.50%
B 249.677†	43.5	0.02690	mg/L	0.002681	0.05380	mg/L	0.005362	9.97%
Ba 233.527†	4396.4	0.7639	mg/L	0.00248	1.528	mg/L	0.0050	0.32%
Be 313.042†	106.7	0.00016	mg/L	0.000030	0.00031	mg/L	0.000061	19.60%
Ca 317.933†	263217.9	25.42	mg/L	0.035	50.84	mg/L	0.070	0.14%
Cd 228.802†	197.8	0.00422	mg/L	0.000099	0.00845	mg/L	0.000198	2.35%
Co 228.616†	1468.5	0.02178	mg/L	0.000501	0.04357	mg/L	0.001001	2.30%
Cr 267.716†	387.2	0.09283	mg/L	0.001080	0.1857	mg/L	0.00216	1.16%
Cu 324.752†	598592.2	2.722	mg/L	0.0016	5.444	mg/L	0.0032	0.06%
Fe 273.955†	78414.0	63.18	mg/L	0.033	126.4	mg/L	0.07	0.05%
K 766.490†	1720.9	1.261	mg/L	0.0197	2.521	mg/L	0.0393	1.56%
Mg 279.077†	14560.5	11.58	mg/L	0.039	23.16	mg/L	0.079	0.34%
Mn 257.610†	21190.5	0.7264	mg/L	0.00270	1.453	mg/L	0.0054	0.37%
Mo 202.031†	27.7	0.00483	mg/L	0.001092	0.00967	mg/L	0.002185	22.59%
Na 589.592†	1188.1	0.5752	mg/L	0.01482	1.150	mg/L	0.0296	2.58%
Na 330.237†	50.3	-0.08229	mg/L	0.143491	-0.1646	mg/L	0.28698	174.37%
Ni 231.604†	59.0	0.04735	mg/L	0.001717	0.09469	mg/L	0.003433	3.63%
Pb 220.353†	43694.4	6.183	mg/L	0.0787	12.37	mg/L	0.157	1.27%
Sb 206.836†	31.4	0.02085	mg/L	0.002083	0.04169	mg/L	0.004165	9.99%
Se 196.026†	-32.7	-0.01177	mg/L	0.003030	-0.02355	mg/L	0.006060	25.73%
Si 288.158†	1434.4	0.8230	mg/L	0.00324	1.646	mg/L	0.0065	0.39%
Sn 189.927†	25.6	0.00535	mg/L	0.001046	0.01070	mg/L	0.002092	19.56%
Sr 421.552†	26232.9	0.08438	mg/L	0.000334	0.1688	mg/L	0.00067	0.40%
Ti 334.903†	48541.6	2.314	mg/L	0.0047	4.627	mg/L	0.0094	0.20%
Tl 190.801†	1.6	-0.00284	mg/L	0.000604	-0.00568	mg/L	0.001208	21.28%
V 292.402†	9681.6	0.07465	mg/L	0.001156	0.1493	mg/L	0.00231	1.55%
Zn 206.200†	5479.2	5.133	mg/L	0.0058	10.27	mg/L	0.012	0.11%

Sequence No.: 17
Sample ID: LR67 P SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 38
Date Collected: 10/9/2007 4:23:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 P SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR67 P SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1856084.3	104.0	%	0.41				0.39%
ScR 361.383	162794.3	111.0	%	1.24				1.11%
Ag 328.068†	-1220.1	0.00086	mg/L	0.000182	0.00171	mg/L	0.000364	21.26%
Al 308.215†	146829.2	87.51	mg/L	0.192	175.0	mg/L	0.38	0.22%
As 188.979†	110.5	0.06027	mg/L	0.003662	0.1205	mg/L	0.00732	6.08%
B 249.677†	45.3	0.04304	mg/L	0.000211	0.08608	mg/L	0.000422	0.49%
Ba 233.527†	2071.4	0.3516	mg/L	0.00377	0.7032	mg/L	0.00753	1.07%
Be 313.042†	511.3	0.00088	mg/L	0.000056	0.00175	mg/L	0.000112	6.41%
Ca 317.933†	558604.6	53.94	mg/L	0.216	107.9	mg/L	0.43	0.40%
Cd 228.802†	369.2	0.00821	mg/L	0.000157	0.01642	mg/L	0.000314	1.91%
Co 228.616†	7429.5	0.1192	mg/L	0.00079	0.2384	mg/L	0.00159	0.67%
Cr 267.716†	930.9	0.2247	mg/L	0.00298	0.4495	mg/L	0.00595	1.32%
Cu 324.752†	79660.9	0.3835	mg/L	0.00037	0.7669	mg/L	0.00074	0.10%
Fe 273.955†	310874.6	250.5	mg/L	0.24	501.0	mg/L	0.48	0.10%
K 766.490†	7504.8	5.498	mg/L	0.0563	11.00	mg/L	0.113	1.02%
Mg 279.077†	69304.4	55.15	mg/L	0.108	110.3	mg/L	0.22	0.20%
Mn 257.610†	112868.4	3.855	mg/L	0.0101	7.709	mg/L	0.0203	0.26%
Mo 202.031†	29.2	0.00722	mg/L	0.000865	0.01443	mg/L	0.001729	11.98%
Na 589.592†	4841.2	2.344	mg/L	0.0080	4.688	mg/L	0.0160	0.34%
Na 330.237†	480.0	-1.427	mg/L	0.4358	-2.855	mg/L	0.8716	30.53%
Ni 231.604†	232.4	0.1871	mg/L	0.00273	0.3742	mg/L	0.00545	1.46%
Pb 220.353†	46063.3	6.526	mg/L	0.0089	13.05	mg/L	0.018	0.14%
Sb 206.836†	-25.9	0.01921	mg/L	0.004001	0.03841	mg/L	0.008003	20.83%
Se 196.026†	-108.5	-0.03536	mg/L	0.011095	-0.07072	mg/L	0.022190	31.38%
Si 288.158†	2082.3	1.195	mg/L	0.0044	2.389	mg/L	0.0088	0.37%
Sn 189.927†	45.5	0.00363	mg/L	0.001303	0.00725	mg/L	0.002606	35.94%
Sr 421.552†	60533.5	0.1936	mg/L	0.00039	0.3871	mg/L	0.00078	0.20%
Ti 334.903†	171328.4	8.166	mg/L	0.0195	16.33	mg/L	0.039	0.24%
Tl 190.801†	-16.4	-0.02374	mg/L	0.003214	-0.04748	mg/L	0.006428	13.54%
V 292.402†	42311.0	0.3287	mg/L	0.00056	0.6573	mg/L	0.00111	0.17%
Zn 206.200†	48731.4	45.64	mg/L	0.062	91.28	mg/L	0.124	0.14%

Sequence No.: 18
Sample ID: LR67 Q SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 39
Date Collected: 10/9/2007 4:29:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 Q SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR67 Q SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1867500.9	104.6	%	0.90				0.86%
ScR 361.383	159973.7	109.1	%	0.09				0.08%
Ag 328.068†	-196.3	0.00026	mg/L	0.000382	0.00052	mg/L	0.000764	147.30%
Al 308.215†	103924.0	61.94	mg/L	0.090	123.9	mg/L	0.18	0.15%
As 188.979†	55.8	0.02620	mg/L	0.004170	0.05240	mg/L	0.008340	15.92%
B 249.677†	359.5	0.1833	mg/L	0.00320	0.3667	mg/L	0.00641	1.75%
Ba 233.527†	1860.3	0.3225	mg/L	0.00063	0.6451	mg/L	0.00126	0.19%
Be 313.042†	234.9	0.00047	mg/L	0.000077	0.00094	mg/L	0.000153	16.31%
Ca 317.933†	522908.1	50.50	mg/L	0.186	101.0	mg/L	0.37	0.37%
Cd 228.802†	165.2	0.00363	mg/L	0.000156	0.00727	mg/L	0.000312	4.29%
Co 228.616†	1455.3	0.01879	mg/L	0.000309	0.03757	mg/L	0.000618	1.65%
Cr 267.716†	1004.3	0.2385	mg/L	0.00133	0.4770	mg/L	0.00267	0.56%
Cu 324.752†	29449.8	0.1369	mg/L	0.00146	0.2738	mg/L	0.00292	1.07%
Fe 273.955†	54212.0	43.68	mg/L	0.031	87.37	mg/L	0.062	0.07%
K 766.490†	3849.8	2.820	mg/L	0.0094	5.641	mg/L	0.0187	0.33%
Mg 279.077†	21517.2	17.13	mg/L	0.009	34.27	mg/L	0.017	0.05%
Mn 257.610†	29565.9	1.009	mg/L	0.0038	2.017	mg/L	0.0076	0.38%
Mo 202.031†	32.0	0.00649	mg/L	0.000776	0.01299	mg/L	0.001551	11.94%
Na 589.592†	4433.8	2.147	mg/L	0.0213	4.293	mg/L	0.0425	0.99%
Na 330.237†	97.2	1.478	mg/L	0.4769	2.957	mg/L	0.9537	32.25%
Ni 231.604†	61.3	0.04934	mg/L	0.001063	0.09867	mg/L	0.002126	2.15%
Pb 220.353†	5125.8	0.7412	mg/L	0.00648	1.482	mg/L	0.0130	0.87%
Sb 206.836†	-19.1	-0.00094	mg/L	0.000371	-0.00188	mg/L	0.000742	39.50%
Se 196.026†	-44.4	-0.01729	mg/L	0.002026	-0.03458	mg/L	0.004052	11.72%
Si 288.158†	2016.1	1.157	mg/L	0.0013	2.314	mg/L	0.0027	0.12%
Sn 189.927†	-11.2	-0.00300	mg/L	0.000692	-0.00600	mg/L	0.001385	23.07%
Sr 421.552†	57795.3	0.1869	mg/L	0.00065	0.3737	mg/L	0.00129	0.35%
Ti 334.903†	81704.8	3.894	mg/L	0.0043	7.788	mg/L	0.0086	0.11%
Tl 190.801†	0.1	-0.00616	mg/L	0.003838	-0.01233	mg/L	0.007677	62.28%
V 292.402†	15781.8	0.1268	mg/L	0.00151	0.2536	mg/L	0.00302	1.19%
Zn 206.200†	6742.1	6.316	mg/L	0.0278	12.63	mg/L	0.056	0.44%

Sequence No.: 19
Sample ID: LR67 S SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 40
Date Collected: 10/9/2007 4:36:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 S SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR67 S SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1852232.3	103.8	%	0.99				0.95%
ScR 361.383	162207.6	110.6	%	0.33				0.30%
Ag 328.068†	-964.7	0.00003	mg/L	0.000231	0.00006	mg/L	0.000462	769.75%
Al 308.215†	212384.3	126.6	mg/L	0.20	253.2	mg/L	0.40	0.16%
As 188.979†	100.5	0.03905	mg/L	0.004567	0.07809	mg/L	0.009134	11.70%
B 249.677†	67.7	0.04837	mg/L	0.000742	0.09673	mg/L	0.001483	1.53%
Ba 233.527†	1333.9	0.2257	mg/L	0.00081	0.4513	mg/L	0.00161	0.36%
Be 313.042†	864.6	0.00184	mg/L	0.000049	0.00369	mg/L	0.000098	2.66%
Ca 317.933†	852698.4	82.34	mg/L	0.340	164.7	mg/L	0.68	0.41%
Cd 228.802†	64.3	0.00097	mg/L	0.000087	0.00195	mg/L	0.000174	8.91%
Co 228.616†	4630.1	0.06303	mg/L	0.001316	0.1261	mg/L	0.00263	2.09%
Cr 267.716†	991.4	0.2379	mg/L	0.00240	0.4758	mg/L	0.00481	1.01%
Cu 324.752†	33627.0	0.1670	mg/L	0.00073	0.3340	mg/L	0.00147	0.44%
Fe 273.955†	220857.5	178.0	mg/L	0.41	355.9	mg/L	0.83	0.23%
K 766.490†	8795.6	6.444	mg/L	0.0641	12.89	mg/L	0.128	0.99%
Mg 279.077†	90445.7	72.03	mg/L	0.195	144.1	mg/L	0.39	0.27%
Mn 257.610†	72220.8	2.463	mg/L	0.0059	4.926	mg/L	0.0118	0.24%
Mo 202.031†	16.4	0.00625	mg/L	0.000832	0.01250	mg/L	0.001663	13.31%
Na 589.592†	5584.1	2.703	mg/L	0.0080	5.407	mg/L	0.0160	0.30%
Na 330.237†	29.4	2.621	mg/L	0.2361	5.242	mg/L	0.4722	9.01%
Ni 231.604†	198.4	0.1597	mg/L	0.00358	0.3195	mg/L	0.00716	2.24%
Pb 220.353†	714.5	0.1269	mg/L	0.00141	0.2537	mg/L	0.00282	1.11%
Sb 206.836†	-44.4	0.00330	mg/L	0.002278	0.00660	mg/L	0.004557	69.08%
Se 196.026†	-108.0	-0.03818	mg/L	0.004229	-0.07636	mg/L	0.008458	11.08%
Si 288.158†	2870.9	1.647	mg/L	0.0169	3.294	mg/L	0.0339	1.03%
Sn 189.927†	-25.1	-0.01037	mg/L	0.000058	-0.02073	mg/L	0.000115	0.56%
Sr 421.552†	83393.4	0.2684	mg/L	0.00090	0.5367	mg/L	0.00181	0.34%
Ti 334.903†	221022.5	10.53	mg/L	0.022	21.07	mg/L	0.043	0.20%
Tl 190.801†	-6.8	-0.02048	mg/L	0.001246	-0.04096	mg/L	0.002492	6.09%
V 292.402†	55646.8	0.4436	mg/L	0.00231	0.8872	mg/L	0.00463	0.52%
Zn 206.200†	1161.0	1.090	mg/L	0.0037	2.179	mg/L	0.0073	0.34%

Sequence No.: 20
Sample ID: LR67 T SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 41
Date Collected: 10/9/2007 4:42:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 T SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR67 T SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1858385.8	104.1	%	0.83				0.80%
ScR 361.383	162422.9	110.7	%	0.38				0.34%
Ag 328.068†	-1148.6	-0.00071	mg/L	0.000343	-0.00141	mg/L	0.000685	48.57%
Al 308.215†	218794.2	130.4	mg/L	0.17	260.8	mg/L	0.33	0.13%
As 188.979†	105.6	0.04378	mg/L	0.005705	0.08756	mg/L	0.011411	13.03%
B 249.677†	35.6	0.03332	mg/L	0.002720	0.06663	mg/L	0.005439	8.16%
Ba 233.527†	1673.2	0.2844	mg/L	0.00188	0.5687	mg/L	0.00376	0.66%
Be 313.042†	864.4	0.00184	mg/L	0.000017	0.00367	mg/L	0.000034	0.92%
Ca 317.933†	823760.4	79.55	mg/L	0.290	159.1	mg/L	0.58	0.36%
Cd 228.802†	28.6	0.00009	mg/L	0.000156	0.00018	mg/L	0.000312	169.67%
Co 228.616†	4485.5	0.06122	mg/L	0.000735	0.1224	mg/L	0.00147	1.20%
Cr 267.716†	1009.7	0.2424	mg/L	0.00142	0.4848	mg/L	0.00285	0.59%
Cu 324.752†	43922.0	0.2150	mg/L	0.00033	0.4300	mg/L	0.00065	0.15%
Fe 273.955†	235703.7	189.9	mg/L	0.16	379.8	mg/L	0.33	0.09%
K 766.490†	10287.3	7.537	mg/L	0.0343	15.07	mg/L	0.069	0.45%
Mg 279.077†	93325.5	74.32	mg/L	0.191	148.6	mg/L	0.38	0.26%
Mn 257.610†	78722.3	2.685	mg/L	0.0059	5.370	mg/L	0.0117	0.22%
Mo 202.031†	16.9	0.00661	mg/L	0.000155	0.01322	mg/L	0.000310	2.34%
Na 589.592†	5074.6	2.457	mg/L	0.0086	4.913	mg/L	0.0172	0.35%
Na 330.237†	10.6	2.075	mg/L	0.4293	4.151	mg/L	0.8587	20.69%
Ni 231.604†	196.6	0.1583	mg/L	0.00346	0.3166	mg/L	0.00692	2.18%
Pb 220.353†	-7.8	0.02491	mg/L	0.001016	0.04982	mg/L	0.002031	4.08%
Sb 206.836†	-41.4	0.00316	mg/L	0.003027	0.00633	mg/L	0.006053	95.68%
Se 196.026†	-102.6	-0.03105	mg/L	0.010424	-0.06210	mg/L	0.020848	33.57%
Si 288.158†	1715.9	0.9846	mg/L	0.00707	1.969	mg/L	0.0141	0.72%
Sn 189.927†	-23.8	-0.01088	mg/L	0.000332	-0.02176	mg/L	0.000665	3.05%
Sr 421.552†	83402.9	0.2683	mg/L	0.00078	0.5365	mg/L	0.00157	0.29%
Ti 334.903†	209315.3	9.976	mg/L	0.0308	19.95	mg/L	0.062	0.31%
Tl 190.801†	-7.6	-0.02045	mg/L	0.002291	-0.04090	mg/L	0.004582	11.20%
V 292.402†	56457.3	0.4500	mg/L	0.00068	0.8999	mg/L	0.00135	0.15%
Zn 206.200†	463.5	0.4362	mg/L	0.00105	0.8724	mg/L	0.00209	0.24%

Sequence No.: 21
Sample ID: LR67 U SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 42
Date Collected: 10/9/2007 4:49:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 U SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR67 U SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1841771.4	103.2	%	0.45				0.43%
ScR 361.383	161349.0	110.0	%	0.06				0.06%
Ag 328.068†	-1112.5	-0.00015	mg/L	0.000385	-0.00030	mg/L	0.000771	260.09%
Al 308.215†	220699.0	131.5	mg/L	0.38	263.1	mg/L	0.77	0.29%
As 188.979†	112.1	0.04873	mg/L	0.004922	0.09746	mg/L	0.009844	10.10%
B 249.677†	28.2	0.03040	mg/L	0.000488	0.06080	mg/L	0.000976	1.60%
Ba 233.527†	1540.7	0.2609	mg/L	0.00145	0.5218	mg/L	0.00289	0.55%
Be 313.042†	894.8	0.00189	mg/L	0.000026	0.00378	mg/L	0.000053	1.40%
Ca 317.933†	820559.7	79.24	mg/L	0.311	158.5	mg/L	0.62	0.39%
Cd 228.802†	36.1	0.00024	mg/L	0.000042	0.00048	mg/L	0.000084	17.53%
Co 228.616†	4683.4	0.06435	mg/L	0.000225	0.1287	mg/L	0.00045	0.35%
Cr 267.716†	1185.4	0.2842	mg/L	0.00183	0.5685	mg/L	0.00366	0.64%
Cu 324.752†	61105.7	0.2939	mg/L	0.00039	0.5877	mg/L	0.00078	0.13%
Fe 273.955†	248061.2	199.9	mg/L	0.77	399.8	mg/L	1.54	0.38%
K 766.490†	11186.5	8.195	mg/L	0.0260	16.39	mg/L	0.052	0.32%
Mg 279.077†	95076.5	75.71	mg/L	0.253	151.4	mg/L	0.51	0.33%
Mn 257.610†	79972.0	2.728	mg/L	0.0071	5.455	mg/L	0.0143	0.26%
Mo 202.031†	21.7	0.00742	mg/L	0.000376	0.01484	mg/L	0.000752	5.07%
Na 589.592†	4990.7	2.416	mg/L	0.0090	4.832	mg/L	0.0180	0.37%
Na 330.237†	25.3	2.713	mg/L	0.4378	5.426	mg/L	0.8755	16.14%
Ni 231.604†	221.3	0.1782	mg/L	0.00736	0.3564	mg/L	0.01471	4.13%
Pb 220.353†	907.9	0.1541	mg/L	0.00150	0.3082	mg/L	0.00300	0.97%
Sb 206.836†	-35.9	0.00575	mg/L	0.003706	0.01150	mg/L	0.007412	64.44%
Se 196.026†	-115.8	-0.04100	mg/L	0.004801	-0.08200	mg/L	0.009602	11.71%
Si 288.158†	1868.3	1.072	mg/L	0.0079	2.144	mg/L	0.0158	0.74%
Sn 189.927†	-21.1	-0.01059	mg/L	0.000528	-0.02117	mg/L	0.001055	4.98%
Sr 421.552†	90043.1	0.2897	mg/L	0.00100	0.5794	mg/L	0.00200	0.35%
Ti 334.903†	213889.3	10.19	mg/L	0.037	20.39	mg/L	0.075	0.37%
Tl 190.801†	-15.3	-0.02457	mg/L	0.001471	-0.04915	mg/L	0.002941	5.98%
V 292.402†	59264.5	0.4727	mg/L	0.00073	0.9455	mg/L	0.00146	0.15%
Zn 206.200†	583.9	0.5490	mg/L	0.00340	1.098	mg/L	0.0068	0.62%

Sequence No.: 22
Sample ID: LR67 V SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 43
Date Collected: 10/9/2007 4:55:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 V SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR67 V SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1833380.4	102.7	%	0.13				0.12%
ScR 361.383	161276.9	110.0	%	0.37				0.34%
Ag 328.068†	-1019.8	0.00001	mg/L	0.000262	0.00001	mg/L	0.000524	>999.9%
Al 308.215†	200694.0	119.6	mg/L	0.21	239.2	mg/L	0.41	0.17%
As 188.979†	108.2	0.04912	mg/L	0.005488	0.09823	mg/L	0.010975	11.17%
B 249.677†	21.0	0.02575	mg/L	0.001945	0.05150	mg/L	0.003889	7.55%
Ba 233.527†	1213.8	0.2044	mg/L	0.00163	0.4087	mg/L	0.00326	0.80%
Be 313.042†	744.3	0.00135	mg/L	0.000048	0.00271	mg/L	0.000095	3.51%
Ca 317.933†	696005.3	67.21	mg/L	0.083	134.4	mg/L	0.17	0.12%
Cd 228.802†	62.4	0.00088	mg/L	0.000159	0.00176	mg/L	0.000317	17.98%
Co 228.616†	4470.2	0.06154	mg/L	0.000472	0.1231	mg/L	0.00094	0.77%
Cr 267.716†	1054.8	0.2531	mg/L	0.00186	0.5061	mg/L	0.00371	0.73%
Cu 324.752†	36348.3	0.1804	mg/L	0.00040	0.3609	mg/L	0.00080	0.22%
Fe 273.955†	232528.0	187.4	mg/L	0.50	374.7	mg/L	0.99	0.26%
K 766.490†	7372.9	5.401	mg/L	0.0157	10.80	mg/L	0.031	0.29%
Mg 279.077†	95503.7	76.05	mg/L	0.092	152.1	mg/L	0.18	0.12%
Mn 257.610†	78084.2	2.663	mg/L	0.0149	5.326	mg/L	0.0298	0.56%
Mo 202.031†	15.7	0.00628	mg/L	0.000955	0.01256	mg/L	0.001910	15.21%
Na 589.592†	4661.0	2.257	mg/L	0.0241	4.513	mg/L	0.0482	1.07%
Na 330.237†	19.2	2.195	mg/L	0.2110	4.390	mg/L	0.4220	9.61%
Ni 231.604†	189.7	0.1527	mg/L	0.00454	0.3055	mg/L	0.00908	2.97%
Pb 220.353†	278.4	0.06236	mg/L	0.000656	0.1247	mg/L	0.00131	1.05%
Sb 206.836†	-35.0	0.00561	mg/L	0.002806	0.01123	mg/L	0.005611	49.97%
Se 196.026†	-104.5	-0.03621	mg/L	0.004198	-0.07243	mg/L	0.008395	11.59%
Si 288.158†	2371.8	1.361	mg/L	0.0025	2.722	mg/L	0.0050	0.18%
Sn 189.927†	-21.9	-0.01038	mg/L	0.001336	-0.02077	mg/L	0.002672	12.87%
Sr 421.552†	67712.5	0.2174	mg/L	0.00086	0.4348	mg/L	0.00173	0.40%
Ti 334.903†	203632.8	9.705	mg/L	0.0100	19.41	mg/L	0.020	0.10%
Tl 190.801†	-12.8	-0.02272	mg/L	0.004335	-0.04545	mg/L	0.008669	19.07%
V 292.402†	59497.2	0.4758	mg/L	0.00205	0.9517	mg/L	0.00409	0.43%
Zn 206.200†	978.3	0.9180	mg/L	0.00381	1.836	mg/L	0.0076	0.42%

Sequence No.: 23
Sample ID: CV
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 10/9/2007 5:01:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1768830.1	99.12	%	0.384				0.39%
ScR 361.383	153822.4	104.9	%	0.67				0.64%
Ag 328.068†	162292.5	1.001	mg/L	0.0038	1.001	mg/L	0.0038	0.38%
Al 308.215†	3278.3	1.915	mg/L	0.0175	1.915	mg/L	0.0175	0.91%
As 188.979†	2399.1	2.024	mg/L	0.0104	2.024	mg/L	0.0104	0.51%
B 249.677†	1905.5	0.9517	mg/L	0.00417	0.9517	mg/L	0.00417	0.44%
Ba 233.527†	5485.9	0.9561	mg/L	0.00796	0.9561	mg/L	0.00796	0.83%
Be 313.042†	277042.8	0.9896	mg/L	0.00322	0.9896	mg/L	0.00322	0.33%
Ca 317.933†	21222.9	2.049	mg/L	0.0064	2.049	mg/L	0.0064	0.31%
Cd 228.802†	42038.2	0.9903	mg/L	0.00747	0.9903	mg/L	0.00747	0.75%
Co 228.616†	51473.7	0.9658	mg/L	0.00712	0.9658	mg/L	0.00712	0.74%
Cr 267.716†	4041.6	0.9572	mg/L	0.00724	0.9572	mg/L	0.00724	0.76%
Cu 324.752†	229933.7	1.043	mg/L	0.0044	1.043	mg/L	0.0044	0.42%
Fe 273.955†	2459.8	1.979	mg/L	0.0127	1.979	mg/L	0.0127	0.64%
K 766.490†	27120.5	19.87	mg/L	0.051	19.87	mg/L	0.051	0.26%
Mg 279.077†	2532.3	2.022	mg/L	0.0136	2.022	mg/L	0.0136	0.67%
Mn 257.610†	28535.1	0.9748	mg/L	0.00029	0.9748	mg/L	0.00029	0.03%
Mo 202.031†	6056.6	0.9543	mg/L	0.00454	0.9543	mg/L	0.00454	0.48%
Na 589.592†	100615.8	48.71	mg/L	0.293	48.71	mg/L	0.293	0.60%
Na 330.237†	1152.4	49.57	mg/L	0.518	49.57	mg/L	0.518	1.05%
Ni 231.604†	1209.8	0.9760	mg/L	0.00950	0.9760	mg/L	0.00950	0.97%
Pb 220.353†	14262.4	2.019	mg/L	0.0100	2.019	mg/L	0.0100	0.50%
Sb 206.836†	4243.9	1.995	mg/L	0.0064	1.995	mg/L	0.0064	0.32%
Se 196.026†	2196.3	1.946	mg/L	0.0035	1.946	mg/L	0.0035	0.18%
Si 288.158†	3503.7	2.013	mg/L	0.0216	2.013	mg/L	0.0216	1.07%
Sn 189.927†	3039.1	0.9083	mg/L	0.00320	0.9083	mg/L	0.00320	0.35%
Sr 421.552†	293614.6	0.9519	mg/L	0.00458	0.9519	mg/L	0.00458	0.48%
Ti 334.903†	20511.3	0.9766	mg/L	0.00362	0.9766	mg/L	0.00362	0.37%
Tl 190.801†	4124.0	1.947	mg/L	0.0022	1.947	mg/L	0.0022	0.12%
V 292.402†	116662.9	0.9851	mg/L	0.00449	0.9851	mg/L	0.00449	0.46%
Zn 206.200†	1090.3	1.021	mg/L	0.0038	1.021	mg/L	0.0038	0.37%

Sequence No.: 24
Sample ID: CB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/9/2007 5:08:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1798896.1	100.8	%	0.35				0.35%
ScR 361.383	154162.0	105.1	%	0.68				0.65%
Ag 328.068†	184.9	0.00114	mg/L	0.000063	0.00114	mg/L	0.000063	5.52%
Al 308.215†	2.5	0.00144	mg/L	0.008330	0.00144	mg/L	0.008330	577.69%
As 188.979†	5.5	0.00469	mg/L	0.002092	0.00469	mg/L	0.002092	44.60%
B 249.677†	18.8	0.00939	mg/L	0.002185	0.00939	mg/L	0.002185	23.26%
Ba 233.527†	0.4	0.00007	mg/L	0.000098	0.00007	mg/L	0.000098	132.60%
Be 313.042†	55.5	0.00020	mg/L	0.000062	0.00020	mg/L	0.000062	31.26%
Ca 317.933†	35.4	0.00342	mg/L	0.002089	0.00342	mg/L	0.002089	61.10%
Cd 228.802†	9.6	0.00020	mg/L	0.000131	0.00020	mg/L	0.000131	65.54%
Co 228.616†	12.9	0.00025	mg/L	0.000126	0.00025	mg/L	0.000126	51.30%
Cr 267.716†	1.6	0.00039	mg/L	0.001570	0.00039	mg/L	0.001570	404.57%
Cu 324.752†	165.3	0.00075	mg/L	0.000122	0.00075	mg/L	0.000122	16.23%
Fe 273.955†	-3.3	-0.00268	mg/L	0.000613	-0.00268	mg/L	0.000613	22.90%
K 766.490†	27.0	0.01979	mg/L	0.044705	0.01979	mg/L	0.044705	225.93%
Mg 279.077†	15.9	0.01264	mg/L	0.003205	0.01264	mg/L	0.003205	25.35%
Mn 257.610†	4.1	0.00014	mg/L	0.000106	0.00014	mg/L	0.000106	74.51%
Mo 202.031†	6.7	0.00106	mg/L	0.000632	0.00106	mg/L	0.000632	59.51%
Na 589.592†	53.4	0.02583	mg/L	0.005397	0.02583	mg/L	0.005397	20.90%
Na 330.237†	-12.7	-0.5520	mg/L	0.23401	-0.5520	mg/L	0.23401	42.40%
Ni 231.604†	1.2	0.00097	mg/L	0.000418	0.00097	mg/L	0.000418	43.12%
Pb 220.353†	14.0	0.00198	mg/L	0.001439	0.00198	mg/L	0.001439	72.86%
Sb 206.836†	-2.8	-0.00131	mg/L	0.001934	-0.00131	mg/L	0.001934	147.41%
Se 196.026†	-2.1	-0.00183	mg/L	0.001540	-0.00183	mg/L	0.001540	84.03%
Si 288.158†	8.5	0.00490	mg/L	0.012399	0.00490	mg/L	0.012399	253.08%
Sn 189.927†	7.3	0.00219	mg/L	0.000399	0.00219	mg/L	0.000399	18.25%
Sr 421.552†	-155.7	-0.00050	mg/L	0.000157	-0.00050	mg/L	0.000157	31.10%
Ti 334.903†	-28.1	-0.00134	mg/L	0.001493	-0.00134	mg/L	0.001493	111.61%
Tl 190.801†	11.9	0.00567	mg/L	0.000914	0.00567	mg/L	0.000914	16.13%
V 292.402†	13.3	0.00012	mg/L	0.000240	0.00012	mg/L	0.000240	198.41%
Zn 206.200†	5.8	0.00544	mg/L	0.000741	0.00544	mg/L	0.000741	13.62%

Sequence No.: 25
Sample ID: LR71 MB SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 44
Date Collected: 10/9/2007 5:15:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 MB SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR71 MB SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1821805.9	102.1	%	0.64				0.63%
ScR 361.383	153892.1	104.9	%	0.45				0.42%
Ag 328.068†	14.4	0.00009	mg/L	0.000177	0.00018	mg/L	0.000355	199.72%
Al 308.215†	7.3	0.00432	mg/L	0.005877	0.00864	mg/L	0.011754	135.98%
As 188.979†	2.9	0.00243	mg/L	0.003268	0.00486	mg/L	0.006536	134.60%
B 249.677†	8.1	0.00407	mg/L	0.003225	0.00815	mg/L	0.006449	79.18%
Ba 233.527†	13.1	0.00227	mg/L	0.000095	0.00455	mg/L	0.000190	4.18%
Be 313.042†	42.0	0.00015	mg/L	0.000075	0.00030	mg/L	0.000150	49.96%
Ca 317.933†	142.9	0.01380	mg/L	0.003148	0.02761	mg/L	0.006297	22.81%
Cd 228.802†	7.2	0.00016	mg/L	0.000125	0.00031	mg/L	0.000251	79.74%
Co 228.616†	-0.2	-0.00001	mg/L	0.000165	-0.00001	mg/L	0.000330	>999.9%
Cr 267.716†	-1.1	-0.00027	mg/L	0.001054	-0.00054	mg/L	0.002108	387.97%
Cu 324.752†	130.2	0.00059	mg/L	0.000206	0.00118	mg/L	0.000412	34.89%
Fe 273.955†	2.2	0.00181	mg/L	0.001817	0.00363	mg/L	0.003635	100.25%
K 766.490†	43.1	0.03160	mg/L	0.016143	0.06319	mg/L	0.032286	51.09%
Mg 279.077†	18.1	0.01442	mg/L	0.010540	0.02885	mg/L	0.021081	73.08%
Mn 257.610†	2.6	0.00009	mg/L	0.000192	0.00018	mg/L	0.000383	216.72%
Mo 202.031†	1.6	0.00026	mg/L	0.000553	0.00052	mg/L	0.001105	214.38%
Na 589.592†	35.8	0.01733	mg/L	0.004985	0.03466	mg/L	0.009970	28.77%
Na 330.237†	-13.9	-0.6078	mg/L	0.25527	-1.216	mg/L	0.5105	42.00%
Ni 231.604†	0.4	0.00029	mg/L	0.003012	0.00058	mg/L	0.006024	>999.9%
Pb 220.353†	-2.9	-0.00041	mg/L	0.000759	-0.00083	mg/L	0.001518	183.90%
Sb 206.836†	-6.6	-0.00306	mg/L	0.002567	-0.00613	mg/L	0.005133	83.75%
Se 196.026†	1.3	0.00112	mg/L	0.004840	0.00224	mg/L	0.009679	432.83%
Si 288.158†	4.8	0.00276	mg/L	0.008744	0.00552	mg/L	0.017488	316.65%
Sn 189.927†	5.0	0.00149	mg/L	0.000555	0.00299	mg/L	0.001110	37.16%
Sr 421.552†	-105.3	-0.00034	mg/L	0.000141	-0.00068	mg/L	0.000283	41.40%
Ti 334.903†	29.6	0.00141	mg/L	0.000404	0.00282	mg/L	0.000809	28.68%
Tl 190.801†	6.3	0.00301	mg/L	0.001121	0.00602	mg/L	0.002242	37.23%
V 292.402†	6.4	0.00005	mg/L	0.000265	0.00010	mg/L	0.000529	509.27%
Zn 206.200†	9.1	0.00849	mg/L	0.001099	0.01697	mg/L	0.002199	12.95%

Sequence No.: 26
Sample ID: LR67 W SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 45
Date Collected: 10/9/2007 5:21:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 W SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR67 W SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1828761.4	102.5	%	0.37				0.36%
ScR 361.383	158216.1	107.9	%	0.57				0.53%
Ag 328.068†	-926.9	-0.00039	mg/L	0.000367	-0.00078	mg/L	0.000735	94.69%
Al 308.215†	186662.7	111.3	mg/L	0.35	222.5	mg/L	0.70	0.31%
As 188.979†	104.8	0.04395	mg/L	0.001521	0.08789	mg/L	0.003041	3.46%
B 249.677†	25.1	0.02546	mg/L	0.002535	0.05092	mg/L	0.005070	9.96%
Ba 233.527†	2058.6	0.3527	mg/L	0.00274	0.7055	mg/L	0.00547	0.78%
Be 313.042†	746.6	0.00162	mg/L	0.000055	0.00323	mg/L	0.000110	3.40%
Ca 317.933†	1867196.1	180.3	mg/L	0.67	360.6	mg/L	1.34	0.37%
Cd 228.802†	39.1	0.00035	mg/L	0.000044	0.00070	mg/L	0.000087	12.51%
Co 228.616†	4203.4	0.06086	mg/L	0.000783	0.1217	mg/L	0.00157	1.29%
Cr 267.716†	820.9	0.1971	mg/L	0.00231	0.3941	mg/L	0.00462	1.17%
Cu 324.752†	44408.1	0.2147	mg/L	0.00053	0.4294	mg/L	0.00106	0.25%
Fe 273.955†	196883.3	158.6	mg/L	0.47	317.3	mg/L	0.94	0.29%
K 766.490†	10194.3	7.468	mg/L	0.0418	14.94	mg/L	0.084	0.56%
Mg 279.077†	87851.1	69.97	mg/L	0.576	139.9	mg/L	1.15	0.82%
Mn 257.610†	77551.9	2.645	mg/L	0.0095	5.290	mg/L	0.0190	0.36%
Mo 202.031†	52.0	0.00792	mg/L	0.001851	0.01585	mg/L	0.003703	23.37%
Na 589.592†	6561.5	3.177	mg/L	0.0265	6.353	mg/L	0.0529	0.83%
Na 330.237†	59.6	3.324	mg/L	0.1341	6.648	mg/L	0.2681	4.03%
Ni 231.604†	172.1	0.1385	mg/L	0.00160	0.2771	mg/L	0.00320	1.15%
Pb 220.353†	277.0	0.06159	mg/L	0.001196	0.1232	mg/L	0.00239	1.94%
Sb 206.836†	-29.9	0.00354	mg/L	0.000837	0.00707	mg/L	0.001673	23.67%
Se 196.026†	-115.1	-0.03940	mg/L	0.010018	-0.07879	mg/L	0.020037	25.43%
Si 288.158†	10989.8	6.305	mg/L	0.1514	12.61	mg/L	0.303	2.40%
Sn 189.927†	-41.5	-0.01268	mg/L	0.001490	-0.02536	mg/L	0.002980	11.75%
Sr 421.552†	135332.0	0.4369	mg/L	0.00258	0.8739	mg/L	0.00515	0.59%
Ti 334.903†	162629.8	7.751	mg/L	0.0186	15.50	mg/L	0.037	0.24%
Tl 190.801†	-11.2	-0.01920	mg/L	0.003829	-0.03840	mg/L	0.007658	19.94%
V 292.402†	48101.7	0.3843	mg/L	0.00114	0.7685	mg/L	0.00228	0.30%
Zn 206.200†	363.1	0.3451	mg/L	0.00309	0.6902	mg/L	0.00618	0.90%

Sequence No.: 27
Sample ID: LR67 X SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 46
Date Collected: 10/9/2007 5:28:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 X SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR67 X SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1843605.1	103.3	%	0.32				0.31%
ScR 361.383	160848.4	109.7	%	0.33				0.30%
Ag 328.068†	-816.4	-0.00044	mg/L	0.000351	-0.00088	mg/L	0.000701	79.89%
Al 308.215†	155105.2	92.44	mg/L	0.234	184.9	mg/L	0.47	0.25%
As 188.979†	93.4	0.04254	mg/L	0.003551	0.08507	mg/L	0.007103	8.35%
B 249.677†	15.3	0.01880	mg/L	0.004293	0.03761	mg/L	0.008586	22.83%
Ba 233.527†	1364.3	0.2326	mg/L	0.00065	0.4651	mg/L	0.00131	0.28%
Be 313.042†	635.6	0.00139	mg/L	0.000087	0.00278	mg/L	0.000174	6.26%
Ca 317.933†	1135500.7	109.7	mg/L	0.39	219.3	mg/L	0.78	0.36%
Cd 228.802†	38.7	0.00040	mg/L	0.000068	0.00081	mg/L	0.000135	16.76%
Co 228.616†	3434.5	0.04721	mg/L	0.000375	0.09443	mg/L	0.000750	0.79%
Cr 267.716†	639.9	0.1539	mg/L	0.00104	0.3077	mg/L	0.00208	0.68%
Cu 324.752†	33565.4	0.1635	mg/L	0.00018	0.3270	mg/L	0.00036	0.11%
Fe 273.955†	169889.6	136.9	mg/L	0.41	273.8	mg/L	0.82	0.30%
K 766.490†	7737.6	5.669	mg/L	0.0459	11.34	mg/L	0.092	0.81%
Mg 279.077†	71866.4	57.23	mg/L	0.530	114.5	mg/L	1.06	0.93%
Mn 257.610†	63853.6	2.178	mg/L	0.0247	4.356	mg/L	0.0494	1.13%
Mo 202.031†	50.4	0.00902	mg/L	0.000046	0.01805	mg/L	0.000091	0.50%
Na 589.592†	4854.3	2.350	mg/L	0.0095	4.700	mg/L	0.0191	0.41%
Na 330.237†	19.4	1.849	mg/L	0.5066	3.699	mg/L	1.0132	27.39%
Ni 231.604†	139.4	0.1122	mg/L	0.00198	0.2244	mg/L	0.00395	1.76%
Pb 220.353†	240.3	0.05224	mg/L	0.001600	0.1045	mg/L	0.00320	3.06%
Sb 206.836†	-24.8	0.00573	mg/L	0.002688	0.01146	mg/L	0.005375	46.89%
Se 196.026†	-85.5	-0.02722	mg/L	0.004192	-0.05443	mg/L	0.008383	15.40%
Si 288.158†	4018.1	2.305	mg/L	0.0642	4.611	mg/L	0.1284	2.79%
Sn 189.927†	-33.3	-0.01116	mg/L	0.001648	-0.02232	mg/L	0.003296	14.77%
Sr 421.552†	99728.6	0.3218	mg/L	0.00064	0.6436	mg/L	0.00129	0.20%
Ti 334.903†	158214.6	7.541	mg/L	0.0384	15.08	mg/L	0.077	0.51%
Tl 190.801†	-9.0	-0.01706	mg/L	0.002845	-0.03412	mg/L	0.005690	16.67%
V 292.402†	39152.5	0.3111	mg/L	0.00039	0.6221	mg/L	0.00078	0.12%
Zn 206.200†	311.0	0.2943	mg/L	0.00285	0.5886	mg/L	0.00570	0.97%

Sequence No.: 28
Sample ID: LR71 B SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 47
Date Collected: 10/9/2007 5:34:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 B SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR71 B SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1817610.7	101.9	%	0.28				0.28%
ScR 361.383	160369.8	109.3	%	0.29				0.26%
Ag 328.068†	-285.1	0.00066	mg/L	0.000445	0.00133	mg/L	0.000890	67.07%
Al 308.215†	74896.4	44.64	mg/L	0.135	89.27	mg/L	0.270	0.30%
As 188.979†	77.2	0.03460	mg/L	0.007524	0.06920	mg/L	0.015048	21.75%
B 249.677†	250.0	0.1310	mg/L	0.00490	0.2621	mg/L	0.00981	3.74%
Ba 233.527†	870.6	0.1490	mg/L	0.00072	0.2980	mg/L	0.00143	0.48%
Be 313.042†	216.2	0.00036	mg/L	0.000070	0.00072	mg/L	0.000140	19.36%
Ca 317.933†	2798098.2	270.2	mg/L	0.97	540.4	mg/L	1.94	0.36%
Cd 228.802†	218.0	0.00478	mg/L	0.000076	0.00957	mg/L	0.000152	1.59%
Co 228.616†	1382.9	0.01849	mg/L	0.000140	0.03697	mg/L	0.000280	0.76%
Cr 267.716†	456.4	0.1094	mg/L	0.00134	0.2187	mg/L	0.00269	1.23%
Cu 324.752†	180794.7	0.8265	mg/L	0.00144	1.653	mg/L	0.0029	0.17%
Fe 273.955†	89591.7	72.19	mg/L	0.429	144.4	mg/L	0.86	0.59%
K 766.490†	12340.9	9.041	mg/L	0.0433	18.08	mg/L	0.087	0.48%
Mg 279.077†	38467.0	30.63	mg/L	0.225	61.27	mg/L	0.451	0.74%
Mn 257.610†	25484.1	0.8691	mg/L	0.00656	1.738	mg/L	0.0131	0.75%
Mo 202.031†	219.0	0.02800	mg/L	0.000628	0.05599	mg/L	0.001256	2.24%
Na 589.592†	116683.0	56.49	mg/L	0.191	113.0	mg/L	0.38	0.34%
Na 330.237†	1331.0	56.99	mg/L	0.728	114.0	mg/L	1.46	1.28%
Ni 231.604†	108.7	0.08753	mg/L	0.003625	0.1751	mg/L	0.00725	4.14%
Pb 220.353†	1205.9	0.1783	mg/L	0.00188	0.3567	mg/L	0.00377	1.06%
Sb 206.836†	-18.3	-0.00182	mg/L	0.002737	-0.00364	mg/L	0.005474	150.44%
Se 196.026†	-69.0	-0.01332	mg/L	0.003936	-0.02665	mg/L	0.007872	29.54%
Si 288.158†	5362.5	3.077	mg/L	0.0228	6.153	mg/L	0.0456	0.74%
Sn 189.927†	-4.0	0.00277	mg/L	0.000737	0.00555	mg/L	0.001473	26.56%
Sr 421.552†	748433.1	2.426	mg/L	0.0107	4.852	mg/L	0.0214	0.44%
Ti 334.903†	66418.1	3.165	mg/L	0.0069	6.331	mg/L	0.0138	0.22%
Tl 190.801†	-2.3	-0.00645	mg/L	0.001719	-0.01290	mg/L	0.003439	26.65%
V 292.402†	18642.9	0.1483	mg/L	0.00116	0.2967	mg/L	0.00233	0.78%
Zn 206.200†	365.7	0.3501	mg/L	0.00289	0.7002	mg/L	0.00578	0.83%

Sequence No.: 29
Sample ID: LR71 C SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 48
Date Collected: 10/9/2007 5:41:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 C SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR71 C SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1850660.5	103.7	%	0.13				0.13%
ScR 361.383	161849.2	110.4	%	0.83				0.76%
Ag 328.068†	-263.7	0.00084	mg/L	0.000180	0.00168	mg/L	0.000360	21.45%
Al 308.215†	65191.2	38.85	mg/L	0.346	77.71	mg/L	0.693	0.89%
As 188.979†	67.1	0.03972	mg/L	0.007327	0.07944	mg/L	0.014654	18.45%
B 249.677†	152.0	0.08211	mg/L	0.001760	0.1642	mg/L	0.00352	2.14%
Ba 233.527†	915.7	0.1568	mg/L	0.00128	0.3136	mg/L	0.00255	0.81%
Be 313.042†	209.1	0.00040	mg/L	0.000104	0.00079	mg/L	0.000208	26.17%
Ca 317.933†	787976.5	76.09	mg/L	0.044	152.2	mg/L	0.09	0.06%
Cd 228.802†	126.2	0.00265	mg/L	0.000158	0.00529	mg/L	0.000317	5.99%
Co 228.616†	1296.2	0.01708	mg/L	0.001362	0.03416	mg/L	0.002724	7.97%
Cr 267.716†	349.5	0.08409	mg/L	0.001557	0.1682	mg/L	0.00311	1.85%
Cu 324.752†	87996.8	0.4056	mg/L	0.00233	0.8112	mg/L	0.00466	0.57%
Fe 273.955†	91345.1	73.60	mg/L	0.702	147.2	mg/L	1.40	0.95%
K 766.490†	8234.1	6.032	mg/L	0.0661	12.06	mg/L	0.132	1.10%
Mg 279.077†	30071.2	23.94	mg/L	0.232	47.88	mg/L	0.465	0.97%
Mn 257.610†	24906.1	0.8495	mg/L	0.00602	1.699	mg/L	0.0120	0.71%
Mo 202.031†	125.6	0.01928	mg/L	0.000247	0.03856	mg/L	0.000494	1.28%
Na 589.592†	75223.2	36.42	mg/L	0.070	72.84	mg/L	0.140	0.19%
Na 330.237†	829.8	36.20	mg/L	1.060	72.40	mg/L	2.121	2.93%
Ni 231.604†	86.1	0.06934	mg/L	0.000953	0.1387	mg/L	0.00191	1.37%
Pb 220.353†	259.1	0.04286	mg/L	0.002538	0.08572	mg/L	0.005075	5.92%
Sb 206.836†	-9.3	0.00233	mg/L	0.000190	0.00465	mg/L	0.000380	8.16%
Se 196.026†	-46.3	-0.01471	mg/L	0.009119	-0.02941	mg/L	0.018238	62.00%
Si 288.158†	2668.6	1.531	mg/L	0.0079	3.062	mg/L	0.0157	0.51%
Sn 189.927†	9.7	0.00195	mg/L	0.001047	0.00390	mg/L	0.002095	53.68%
Sr 421.552†	195746.5	0.6339	mg/L	0.00388	1.268	mg/L	0.0078	0.61%
Ti 334.903†	63667.7	3.034	mg/L	0.0091	6.069	mg/L	0.0181	0.30%
Tl 190.801†	6.2	-0.00214	mg/L	0.003675	-0.00427	mg/L	0.007351	172.14%
V 292.402†	15545.8	0.1222	mg/L	0.00085	0.2444	mg/L	0.00171	0.70%
Zn 206.200†	217.3	0.2056	mg/L	0.00341	0.4112	mg/L	0.00681	1.66%

Sequence No.: 30
Sample ID: LR71 D SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 49
Date Collected: 10/9/2007 5:48:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 D SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR71 D SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1843014.9	103.3	%	0.14				0.14%
ScR 361.383	159256.0	108.6	%	0.21				0.19%
Ag 328.068†	-370.4	0.00000	mg/L	0.000400	-0.00001	mg/L	0.000799	>999.9%
Al 308.215†	74396.9	44.34	mg/L	0.060	88.68	mg/L	0.119	0.13%
As 188.979†	70.0	0.04146	mg/L	0.002976	0.08291	mg/L	0.005952	7.18%
B 249.677†	104.7	0.05796	mg/L	0.003051	0.1159	mg/L	0.00610	5.26%
Ba 233.527†	857.1	0.1468	mg/L	0.00109	0.2936	mg/L	0.00217	0.74%
Be 313.042†	252.8	0.00050	mg/L	0.000034	0.00100	mg/L	0.000068	6.84%
Ca 317.933†	638221.4	61.63	mg/L	0.065	123.3	mg/L	0.13	0.11%
Cd 228.802†	145.0	0.00308	mg/L	0.000076	0.00617	mg/L	0.000152	2.46%
Co 228.616†	1529.8	0.02078	mg/L	0.000208	0.04156	mg/L	0.000415	1.00%
Cr 267.716†	438.3	0.1050	mg/L	0.00221	0.2100	mg/L	0.00443	2.11%
Cu 324.752†	106723.9	0.4899	mg/L	0.00360	0.9799	mg/L	0.00719	0.73%
Fe 273.955†	84391.8	68.00	mg/L	0.010	136.0	mg/L	0.02	0.02%
K 766.490†	8658.4	6.343	mg/L	0.0191	12.69	mg/L	0.038	0.30%
Mg 279.077†	35553.1	28.31	mg/L	0.047	56.63	mg/L	0.094	0.17%
Mn 257.610†	26342.0	0.8984	mg/L	0.00069	1.797	mg/L	0.0014	0.08%
Mo 202.031†	130.3	0.02075	mg/L	0.000465	0.04150	mg/L	0.000931	2.24%
Na 589.592†	68428.2	33.13	mg/L	0.170	66.26	mg/L	0.341	0.51%
Na 330.237†	743.7	32.58	mg/L	0.493	65.16	mg/L	0.986	1.51%
Ni 231.604†	115.3	0.09283	mg/L	0.002168	0.1857	mg/L	0.00434	2.34%
Pb 220.353†	665.4	0.1024	mg/L	0.00143	0.2048	mg/L	0.00287	1.40%
Sb 206.836†	-14.5	0.00077	mg/L	0.001401	0.00154	mg/L	0.002801	182.40%
Se 196.026†	-43.9	-0.01432	mg/L	0.006197	-0.02864	mg/L	0.012393	43.27%
Si 288.158†	3072.1	1.763	mg/L	0.0340	3.525	mg/L	0.0679	1.93%
Sn 189.927†	104.1	0.03055	mg/L	0.000698	0.06110	mg/L	0.001397	2.29%
Sr 421.552†	118248.0	0.3826	mg/L	0.00086	0.7652	mg/L	0.00173	0.23%
Ti 334.903†	71890.9	3.426	mg/L	0.0073	6.853	mg/L	0.0146	0.21%
Tl 190.801†	-2.2	-0.00672	mg/L	0.000575	-0.01344	mg/L	0.001151	8.56%
V 292.402†	18043.9	0.1433	mg/L	0.00090	0.2867	mg/L	0.00180	0.63%
Zn 206.200†	259.9	0.2451	mg/L	0.00077	0.4903	mg/L	0.00155	0.32%

Sequence No.: 31
Sample ID: LR71 ADUP SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 50
Date Collected: 10/9/2007 5:55:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 ADUP SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR71 ADUP SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1820904.1	102.0	%	0.42				0.41%
ScR 361.383	160215.3	109.2	%	0.68				0.63%
Ag 328.068†	-407.4	-0.00019	mg/L	0.000640	-0.00038	mg/L	0.001280	336.44%
Al 308.215†	80613.4	48.04	mg/L	0.363	96.09	mg/L	0.726	0.76%
As 188.979†	79.5	0.03891	mg/L	0.000711	0.07782	mg/L	0.001422	1.83%
B 249.677†	295.0	0.1533	mg/L	0.00217	0.3065	mg/L	0.00435	1.42%
Ba 233.527†	769.7	0.1315	mg/L	0.00115	0.2631	mg/L	0.00229	0.87%
Be 313.042†	313.4	0.00068	mg/L	0.000053	0.00136	mg/L	0.000106	7.80%
Ca 317.933†	2180079.2	210.5	mg/L	1.34	421.1	mg/L	2.69	0.64%
Cd 228.802†	211.0	0.00460	mg/L	0.000139	0.00920	mg/L	0.000277	3.01%
Co 228.616†	1414.2	0.01818	mg/L	0.000226	0.03635	mg/L	0.000453	1.25%
Cr 267.716†	473.8	0.1134	mg/L	0.00148	0.2269	mg/L	0.00296	1.31%
Cu 324.752†	30671.3	0.1449	mg/L	0.00037	0.2897	mg/L	0.00073	0.25%
Fe 273.955†	85856.0	69.18	mg/L	0.515	138.4	mg/L	1.03	0.74%
K 766.490†	10528.4	7.713	mg/L	0.0786	15.43	mg/L	0.157	1.02%
Mg 279.077†	37346.5	29.74	mg/L	0.242	59.48	mg/L	0.484	0.81%
Mn 257.610†	22443.2	0.7653	mg/L	0.00694	1.531	mg/L	0.0139	0.91%
Mo 202.031†	181.3	0.02415	mg/L	0.000449	0.04831	mg/L	0.000899	1.86%
Na 589.592†	102126.2	49.44	mg/L	0.292	98.88	mg/L	0.585	0.59%
Na 330.237†	1154.6	49.75	mg/L	0.209	99.51	mg/L	0.418	0.42%
Ni 231.604†	100.5	0.08093	mg/L	0.001445	0.1619	mg/L	0.00289	1.78%
Pb 220.353†	261.3	0.04660	mg/L	0.000555	0.09320	mg/L	0.001110	1.19%
Sb 206.836†	-18.7	-0.00096	mg/L	0.002292	-0.00193	mg/L	0.004584	237.92%
Se 196.026†	-63.7	-0.01504	mg/L	0.004526	-0.03007	mg/L	0.009052	30.10%
Si 288.158†	3924.5	2.252	mg/L	0.0141	4.503	mg/L	0.0282	0.63%
Sn 189.927†	-17.4	-0.00229	mg/L	0.000910	-0.00458	mg/L	0.001821	39.72%
Sr 421.552†	561043.5	1.818	mg/L	0.0121	3.637	mg/L	0.0243	0.67%
Ti 334.903†	76336.9	3.638	mg/L	0.0262	7.276	mg/L	0.0524	0.72%
Tl 190.801†	-0.5	-0.00605	mg/L	0.005374	-0.01210	mg/L	0.010748	88.79%
V 292.402†	19702.2	0.1570	mg/L	0.00093	0.3140	mg/L	0.00186	0.59%
Zn 206.200†	258.9	0.2483	mg/L	0.00307	0.4967	mg/L	0.00613	1.23%

Sequence No.: 32
Sample ID: LR71 A SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 51
Date Collected: 10/9/2007 6:01:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 A SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR71 A SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1860583.8	104.3	%	0.40				0.39%
ScR 361.383	163438.4	111.4	%	0.86				0.77%
Ag 328.068†	-439.8	-0.00031	mg/L	0.000129	-0.00063	mg/L	0.000258	41.05%
Al 308.215†	86141.0	51.34	mg/L	0.573	102.7	mg/L	1.15	1.12%
As 188.979†	82.0	0.04424	mg/L	0.002370	0.08848	mg/L	0.004739	5.36%
B 249.677†	309.6	0.1608	mg/L	0.00338	0.3215	mg/L	0.00676	2.10%
Ba 233.527†	810.3	0.1385	mg/L	0.00074	0.2770	mg/L	0.00147	0.53%
Be 313.042†	270.5	0.00050	mg/L	0.000058	0.00100	mg/L	0.000115	11.54%
Ca 317.933†	1491927.9	144.1	mg/L	0.34	288.2	mg/L	0.67	0.23%
Cd 228.802†	244.6	0.00539	mg/L	0.000021	0.01078	mg/L	0.000042	0.39%
Co 228.616†	1509.0	0.01939	mg/L	0.000075	0.03879	mg/L	0.000150	0.39%
Cr 267.716†	492.5	0.1179	mg/L	0.00198	0.2358	mg/L	0.00395	1.68%
Cu 324.752†	32686.6	0.1542	mg/L	0.00017	0.3083	mg/L	0.00033	0.11%
Fe 273.955†	88641.7	71.43	mg/L	0.742	142.9	mg/L	1.48	1.04%
K 766.490†	10766.1	7.887	mg/L	0.1681	15.77	mg/L	0.336	2.13%
Mg 279.077†	38737.2	30.85	mg/L	0.348	61.70	mg/L	0.695	1.13%
Mn 257.610†	27820.0	0.9487	mg/L	0.01129	1.897	mg/L	0.0226	1.19%
Mo 202.031†	171.5	0.02493	mg/L	0.000816	0.04986	mg/L	0.001632	3.27%
Na 589.592†	97419.1	47.16	mg/L	0.176	94.33	mg/L	0.352	0.37%
Na 330.237†	1091.5	47.36	mg/L	1.156	94.73	mg/L	2.312	2.44%
Ni 231.604†	102.8	0.08273	mg/L	0.001157	0.1655	mg/L	0.00231	1.40%
Pb 220.353†	237.8	0.04410	mg/L	0.000424	0.08821	mg/L	0.000847	0.96%
Sb 206.836†	-21.5	-0.00163	mg/L	0.002662	-0.00325	mg/L	0.005324	163.72%
Se 196.026†	-68.0	-0.02509	mg/L	0.004676	-0.05019	mg/L	0.009352	18.63%
Si 288.158†	5208.6	2.988	mg/L	0.0325	5.977	mg/L	0.0649	1.09%
Sn 189.927†	2.7	0.00220	mg/L	0.000834	0.00439	mg/L	0.001669	38.01%
Sr 421.552†	363159.2	1.177	mg/L	0.0030	2.353	mg/L	0.0060	0.26%
Ti 334.903†	81844.1	3.901	mg/L	0.0077	7.801	mg/L	0.0154	0.20%
Tl 190.801†	-4.1	-0.00835	mg/L	0.002424	-0.01671	mg/L	0.004847	29.01%
V 292.402†	20862.3	0.1663	mg/L	0.00032	0.3326	mg/L	0.00063	0.19%
Zn 206.200†	280.8	0.2669	mg/L	0.00420	0.5339	mg/L	0.00839	1.57%

Sequence No.: 33
Sample ID: LR71 ASPK SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 52
Date Collected: 10/9/2007 6:08:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 ASPK SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR71 ASPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1839117.0	103.1	%	0.35				0.34%
ScR 361.383	161510.6	110.1	%	0.58				0.53%
Ag 328.068†	81675.4	0.5062	mg/L	0.00136	1.012	mg/L	0.0027	0.27%
Al 308.215†	89366.3	53.26	mg/L	0.109	106.5	mg/L	0.22	0.20%
As 188.979†	2517.4	2.107	mg/L	0.0033	4.214	mg/L	0.0065	0.16%
B 249.677†	326.5	0.1681	mg/L	0.00108	0.3362	mg/L	0.00216	0.64%
Ba 233.527†	11415.8	1.987	mg/L	0.0120	3.973	mg/L	0.0240	0.60%
Be 313.042†	140287.0	0.5007	mg/L	0.00115	1.001	mg/L	0.0023	0.23%
Ca 317.933†	710923.5	68.65	mg/L	0.159	137.3	mg/L	0.32	0.23%
Cd 228.802†	20627.3	0.4785	mg/L	0.00168	0.9570	mg/L	0.00336	0.35%
Co 228.616†	26186.4	0.4835	mg/L	0.00119	0.9670	mg/L	0.00239	0.25%
Cr 267.716†	2543.2	0.6037	mg/L	0.00229	1.207	mg/L	0.0046	0.38%
Cu 324.752†	151180.3	0.6926	mg/L	0.00187	1.385	mg/L	0.0037	0.27%
Fe 273.955†	94391.3	76.06	mg/L	0.202	152.1	mg/L	0.40	0.27%
K 766.490†	23829.0	17.46	mg/L	0.094	34.91	mg/L	0.188	0.54%
Mg 279.077†	53468.5	42.59	mg/L	0.110	85.18	mg/L	0.221	0.26%
Mn 257.610†	37307.7	1.273	mg/L	0.0021	2.547	mg/L	0.0042	0.16%
Mo 202.031†	158.1	0.02531	mg/L	0.001083	0.05063	mg/L	0.002165	4.28%
Na 589.592†	121716.7	58.93	mg/L	0.264	117.9	mg/L	0.53	0.45%
Na 330.237†	1392.0	60.39	mg/L	0.158	120.8	mg/L	0.32	0.26%
Ni 231.604†	742.5	0.5980	mg/L	0.00204	1.196	mg/L	0.0041	0.34%
Pb 220.353†	13536.4	1.926	mg/L	0.0049	3.853	mg/L	0.0098	0.25%
Sb 206.836†	822.0	0.3891	mg/L	0.00547	0.7781	mg/L	0.01094	1.41%
Se 196.026†	2156.8	1.939	mg/L	0.0093	3.879	mg/L	0.0185	0.48%
Si 288.158†	3858.6	2.214	mg/L	0.0277	4.428	mg/L	0.0555	1.25%
Sn 189.927†	-4.0	-0.00130	mg/L	0.001914	-0.00260	mg/L	0.003828	147.27%
Sr 421.552†	277605.8	0.8991	mg/L	0.00353	1.798	mg/L	0.0071	0.39%
Ti 334.903†	73013.1	3.480	mg/L	0.0072	6.959	mg/L	0.0144	0.21%
Tl 190.801†	3843.4	1.815	mg/L	0.0057	3.631	mg/L	0.0114	0.32%
V 292.402†	77159.4	0.6398	mg/L	0.00128	1.280	mg/L	0.0026	0.20%
Zn 206.200†	797.4	0.7486	mg/L	0.00404	1.497	mg/L	0.0081	0.54%

20%

Sequence No.: 34
Sample ID: LR71 MBSPK SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 53
Date Collected: 10/9/2007 6:14:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 MBSPK SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR71 MBSPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1795557.6	100.6	%	0.15				0.14%
ScR 361.383	154694.5	105.5	%	0.44				0.42%
Ag 328.068†	84383.1	0.5204	mg/L	0.00273	1.041	mg/L	0.0055	0.52%
Al 308.215†	3356.5	1.993	mg/L	0.0082	3.987	mg/L	0.0163	0.41%
As 188.979†	2438.0	2.059	mg/L	0.0153	4.117	mg/L	0.0305	0.74%
B 249.677†	13.8	0.00552	mg/L	0.003371	0.01104	mg/L	0.006742	61.07%
Ba 233.527†	11078.4	1.931	mg/L	0.0107	3.861	mg/L	0.0214	0.55%
Be 313.042†	145102.0	0.5183	mg/L	0.00145	1.037	mg/L	0.0029	0.28%
Ca 317.933†	106091.3	10.24	mg/L	0.021	20.49	mg/L	0.043	0.21%
Cd 228.802†	21500.6	0.4998	mg/L	0.00347	0.9996	mg/L	0.00695	0.70%
Co 228.616†	26206.6	0.4920	mg/L	0.00315	0.9840	mg/L	0.00630	0.64%
Cr 267.716†	2110.3	0.4998	mg/L	0.00243	0.9996	mg/L	0.00485	0.49%
Cu 324.752†	112650.2	0.5116	mg/L	0.00273	1.023	mg/L	0.0055	0.53%
Fe 273.955†	2554.6	2.057	mg/L	0.0116	4.113	mg/L	0.0232	0.56%
K 766.490†	13970.7	10.24	mg/L	0.039	20.47	mg/L	0.079	0.38%
Mg 279.077†	13217.2	10.54	mg/L	0.032	21.07	mg/L	0.065	0.31%
Mn 257.610†	15154.0	0.5181	mg/L	0.00091	1.036	mg/L	0.0018	0.18%
Mo 202.031†	23.7	0.00346	mg/L	0.000356	0.00693	mg/L	0.000712	10.27%
Na 589.592†	21197.5	10.26	mg/L	0.035	20.52	mg/L	0.070	0.34%
Na 330.237†	235.8	9.910	mg/L	0.1230	19.82	mg/L	0.246	1.24%
Ni 231.604†	619.4	0.5002	mg/L	0.00328	1.000	mg/L	0.0066	0.66%
Pb 220.353†	14390.0	2.037	mg/L	0.0047	4.074	mg/L	0.0094	0.23%
Sb 206.836†	4304.8	2.020	mg/L	0.0130	4.040	mg/L	0.0261	0.65%
Se 196.026†	2268.9	2.012	mg/L	0.0050	4.025	mg/L	0.0099	0.25%
Si 288.158†	3.2	0.00213	mg/L	0.000954	0.00426	mg/L	0.001909	44.76%
Sn 189.927†	-14.4	-0.00361	mg/L	0.000925	-0.00723	mg/L	0.001849	25.58%
Sr 421.552†	151641.9	0.4915	mg/L	0.00116	0.9831	mg/L	0.00232	0.24%
Ti 334.903†	20.0	0.00081	mg/L	0.000523	0.00161	mg/L	0.001046	64.78%
Tl 190.801†	4148.8	1.966	mg/L	0.0128	3.932	mg/L	0.0256	0.65%
V 292.402†	60950.5	0.5123	mg/L	0.00269	1.025	mg/L	0.0054	0.53%
Zn 206.200†	541.3	0.5072	mg/L	0.00282	1.014	mg/L	0.0056	0.56%

Sequence No.: 35
Sample ID: CV
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 10/9/2007 6:21:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
ScA 357.253	1765013.1	98.91	%	0.694				0.70%
ScR 361.383	152796.3	104.2	%	0.85				0.82%
Ag 328.068†	162079.8	0.9995	mg/L	0.00813	0.9995	mg/L	0.00813	0.81%
Al 308.215†	3279.4	1.916	mg/L	0.0187	1.916	mg/L	0.0187	0.97%
As 188.979†	2356.1	1.988	mg/L	0.0219	1.988	mg/L	0.0219	1.10%
B 249.677†	1908.4	0.9532	mg/L	0.01163	0.9532	mg/L	0.01163	1.22%
Ba 233.527†	5457.3	0.9511	mg/L	0.00736	0.9511	mg/L	0.00736	0.77%
Be 313.042†	274210.2	0.9795	mg/L	0.00311	0.9795	mg/L	0.00311	0.32%
Ca 317.933†	20967.2	2.024	mg/L	0.0042	2.024	mg/L	0.0042	0.21%
Cd 228.802†	41869.3	0.9865	mg/L	0.00734	0.9865	mg/L	0.00734	0.74%
Co 228.616†	51176.8	0.9602	mg/L	0.00670	0.9602	mg/L	0.00670	0.70%
Cr 267.716†	4029.9	0.9544	mg/L	0.00924	0.9544	mg/L	0.00924	0.97%
Cu 324.752†	229863.0	1.043	mg/L	0.0082	1.043	mg/L	0.0082	0.78%
Fe 273.955†	2443.9	1.966	mg/L	0.0164	1.966	mg/L	0.0164	0.83%
K 766.490†	27050.5	19.82	mg/L	0.030	19.82	mg/L	0.030	0.15%
Mg 279.077†	2522.9	2.014	mg/L	0.0185	2.014	mg/L	0.0185	0.92%
Mn 257.610†	28335.9	0.9680	mg/L	0.00200	0.9680	mg/L	0.00200	0.21%
Mo 202.031†	5978.1	0.9420	mg/L	0.00861	0.9420	mg/L	0.00861	0.91%
Na 589.592†	100052.1	48.44	mg/L	0.113	48.44	mg/L	0.113	0.23%
Na 330.237†	1159.7	49.89	mg/L	0.354	49.89	mg/L	0.354	0.71%
Ni 231.604†	1204.3	0.9716	mg/L	0.00602	0.9716	mg/L	0.00602	0.62%
Pb 220.353†	14189.2	2.009	mg/L	0.0182	2.009	mg/L	0.0182	0.91%
Sb 206.836†	4195.5	1.972	mg/L	0.0166	1.972	mg/L	0.0166	0.84%
Se 196.026†	2168.1	1.921	mg/L	0.0182	1.921	mg/L	0.0182	0.95%
Si 288.158†	3523.4	2.024	mg/L	0.0227	2.024	mg/L	0.0227	1.12%
Sn 189.927†	2982.7	0.8914	mg/L	0.00837	0.8914	mg/L	0.00837	0.94%
Sr 421.552†	292375.4	0.9479	mg/L	0.00256	0.9479	mg/L	0.00256	0.27%
Ti 334.903†	20400.3	0.9713	mg/L	0.00082	0.9713	mg/L	0.00082	0.08%
Tl 190.801†	4089.7	1.931	mg/L	0.0155	1.931	mg/L	0.0155	0.80%
V 292.402†	116530.5	0.9839	mg/L	0.00930	0.9839	mg/L	0.00930	0.95%
Zn 206.200†	1078.2	1.009	mg/L	0.0073	1.009	mg/L	0.0073	0.72%

Sequence No.: 36
Sample ID: CB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/9/2007 6:28:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1775530.2	99.50	%	0.466				0.47%
ScR 361.383	149544.2	102.0	%	0.52				0.51%
Ag 328.068†	97.2	0.00060	mg/L	0.000400	0.00060	mg/L	0.000400	66.80%
Al 308.215†	-2.6	-0.00156	mg/L	0.009754	-0.00156	mg/L	0.009754	625.69%
As 188.979†	5.7	0.00479	mg/L	0.000621	0.00479	mg/L	0.000621	12.96%
B 249.677†	14.1	0.00703	mg/L	0.002788	0.00703	mg/L	0.002788	39.66%
Ba 233.527†	5.3	0.00093	mg/L	0.000698	0.00093	mg/L	0.000698	75.08%
Be 313.042†	46.9	0.00017	mg/L	0.000044	0.00017	mg/L	0.000044	26.16%
Ca 317.933†	60.6	0.00585	mg/L	0.002401	0.00585	mg/L	0.002401	41.06%
Cd 228.802†	8.8	0.00018	mg/L	0.000082	0.00018	mg/L	0.000082	46.08%
Co 228.616†	6.6	0.00012	mg/L	0.000093	0.00012	mg/L	0.000093	74.97%
Cr 267.716†	0.7	0.00017	mg/L	0.001408	0.00017	mg/L	0.001408	825.89%
Cu 324.752†	94.3	0.00043	mg/L	0.000211	0.00043	mg/L	0.000211	49.32%
Fe 273.955†	-4.6	-0.00371	mg/L	0.001651	-0.00371	mg/L	0.001651	44.46%
K 766.490†	81.4	0.05962	mg/L	0.038720	0.05962	mg/L	0.038720	64.95%
Mg 279.077†	26.7	0.02126	mg/L	0.011229	0.02126	mg/L	0.011229	52.81%
Mn 257.610†	6.6	0.00023	mg/L	0.000203	0.00023	mg/L	0.000203	89.43%
Mo 202.031†	8.4	0.00132	mg/L	0.000273	0.00132	mg/L	0.000273	20.67%
Na 589.592†	103.7	0.05019	mg/L	0.005510	0.05019	mg/L	0.005510	10.98%
Na 330.237†	-10.3	-0.4480	mg/L	0.02791	-0.4480	mg/L	0.02791	6.23%
Ni 231.604†	1.3	0.00104	mg/L	0.003760	0.00104	mg/L	0.003760	360.16%
Pb 220.353†	26.9	0.00381	mg/L	0.000614	0.00381	mg/L	0.000614	16.11%
Sb 206.836†	-4.7	-0.00218	mg/L	0.002852	-0.00218	mg/L	0.002852	130.56%
Se 196.026†	-2.5	-0.00224	mg/L	0.005092	-0.00224	mg/L	0.005092	227.18%
Si 288.158†	-11.6	-0.00665	mg/L	0.007951	-0.00665	mg/L	0.007951	119.47%
Sn 189.927†	8.1	0.00242	mg/L	0.000329	0.00242	mg/L	0.000329	13.56%
Sr 421.552†	-210.0	-0.00068	mg/L	0.000191	-0.00068	mg/L	0.000191	28.03%
Ti 334.903†	5.1	0.00024	mg/L	0.002138	0.00024	mg/L	0.002138	889.50%
Tl 190.801†	15.4	0.00731	mg/L	0.000889	0.00731	mg/L	0.000889	12.17%
V 292.402†	36.4	0.00031	mg/L	0.000256	0.00031	mg/L	0.000256	81.90%
Zn 206.200†	1.7	0.00157	mg/L	0.002014	0.00157	mg/L	0.002014	128.51%

Sequence No.: 37
Sample ID: LS71 MB SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 54
Date Collected: 10/9/2007 6:34:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS71 MB SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LS71 MB SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1844289.5	103.3	%	0.51				0.49%
ScR 361.383	156077.6	106.4	%	0.20				0.18%
Ag 328.068†	-1.4	-0.00001	mg/L	0.000420	-0.00002	mg/L	0.000840	>999.9%
Al 308.215†	27.3	0.01624	mg/L	0.011447	0.03249	mg/L	0.022893	70.47%
As 188.979†	5.7	0.00481	mg/L	0.001459	0.00962	mg/L	0.002917	30.34%
B 249.677†	2.9	0.00145	mg/L	0.001551	0.00290	mg/L	0.003102	106.87%
Ba 233.527†	3.5	0.00060	mg/L	0.000111	0.00121	mg/L	0.000221	18.33%
Be 313.042†	10.9	0.00004	mg/L	0.000039	0.00008	mg/L	0.000079	102.23%
Ca 317.933†	518.0	0.05003	mg/L	0.002615	0.1001	mg/L	0.00523	5.23%
Cd 228.802†	11.3	0.00024	mg/L	0.000036	0.00048	mg/L	0.000072	15.12%
Co 228.616†	2.7	0.00005	mg/L	0.000195	0.00010	mg/L	0.000390	407.41%
Cr 267.716†	8.4	0.00200	mg/L	0.000650	0.00400	mg/L	0.001300	32.50%
Cu 324.752†	54.1	0.00025	mg/L	0.000140	0.00049	mg/L	0.000280	57.02%
Fe 273.955†	6.3	0.00504	mg/L	0.002393	0.01008	mg/L	0.004787	47.47%
K 766.490†	19.2	0.01408	mg/L	0.025014	0.02816	mg/L	0.050028	177.67%
Mg 279.077†	19.2	0.01528	mg/L	0.002591	0.03057	mg/L	0.005181	16.95%
Mn 257.610†	2.3	0.00008	mg/L	0.000313	0.00016	mg/L	0.000626	390.94%
Mo 202.031†	4.6	0.00072	mg/L	0.000449	0.00144	mg/L	0.000899	62.28%
Na 589.592†	57.3	0.02776	mg/L	0.005018	0.05552	mg/L	0.010037	18.08%
Na 330.237†	-19.7	-0.8590	mg/L	0.73420	-1.718	mg/L	1.4684	85.48%
Ni 231.604†	-1.7	-0.00138	mg/L	0.002317	-0.00276	mg/L	0.004634	167.98%
Pb 220.353†	14.1	0.00200	mg/L	0.000743	0.00400	mg/L	0.001485	37.18%
Sb 206.836†	-2.6	-0.00125	mg/L	0.001949	-0.00250	mg/L	0.003898	155.92%
Se 196.026†	5.4	0.00476	mg/L	0.004512	0.00952	mg/L	0.009024	94.74%
Si 288.158†	2.6	0.00148	mg/L	0.011844	0.00295	mg/L	0.023688	802.27%
Sn 189.927†	3.9	0.00115	mg/L	0.000124	0.00231	mg/L	0.000248	10.73%
Sr 421.552†	57.6	0.00019	mg/L	0.000071	0.00037	mg/L	0.000142	38.05%
Ti 334.903†	31.8	0.00151	mg/L	0.000705	0.00303	mg/L	0.001410	46.58%
Tl 190.801†	9.3	0.00440	mg/L	0.000614	0.00879	mg/L	0.001228	13.96%
V 292.402†	22.4	0.00020	mg/L	0.000071	0.00041	mg/L	0.000141	34.69%
Zn 206.200†	8.0	0.00751	mg/L	0.001335	0.01502	mg/L	0.002670	17.77%

Sequence No.: 38
Sample ID: LR67 D SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 55
Date Collected: 10/9/2007 6:41:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 D SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR67 D SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1837368.1	103.0	%	0.25				0.24%
ScR 361.383	158429.3	108.0	%	0.83				0.77%
Ag 328.068†	-918.7	-0.00015	mg/L	0.000205	-0.00029	mg/L	0.000409	140.69%
Al 308.215†	189146.1	112.7	mg/L	0.32	225.5	mg/L	0.64	0.28%
As 188.979†	96.8	0.04138	mg/L	0.003221	0.08275	mg/L	0.006441	7.78%
B 249.677†	26.2	0.02650	mg/L	0.001483	0.05300	mg/L	0.002965	5.59%
Ba 233.527†	1648.4	0.2810	mg/L	0.00269	0.5620	mg/L	0.00539	0.96%
Be 313.042†	752.7	0.00155	mg/L	0.000086	0.00311	mg/L	0.000172	5.55%
Ca 317.933†	695783.1	67.19	mg/L	0.020	134.4	mg/L	0.04	0.03%
Cd 228.802†	85.1	0.00149	mg/L	0.000061	0.00298	mg/L	0.000122	4.08%
Co 228.616†	4352.1	0.06039	mg/L	0.000470	0.1208	mg/L	0.00094	0.78%
Cr 267.716†	888.7	0.2133	mg/L	0.00240	0.4267	mg/L	0.00480	1.12%
Cu 324.752†	40692.2	0.1981	mg/L	0.00024	0.3961	mg/L	0.00048	0.12%
Fe 273.955†	203926.5	164.3	mg/L	0.47	328.6	mg/L	0.94	0.29%
K 766.490†	8633.0	6.325	mg/L	0.0309	12.65	mg/L	0.062	0.49%
Mg 279.077†	81435.4	64.85	mg/L	0.154	129.7	mg/L	0.31	0.24%
Mn 257.610†	65202.7	2.224	mg/L	0.0034	4.447	mg/L	0.0068	0.15%
Mo 202.031†	32.5	0.00858	mg/L	0.000398	0.01716	mg/L	0.000795	4.63%
Na 589.592†	5595.7	2.709	mg/L	0.0125	5.418	mg/L	0.0250	0.46%
Na 330.237†	32.3	2.859	mg/L	0.4803	5.717	mg/L	0.9606	16.80%
Ni 231.604†	179.6	0.1446	mg/L	0.00438	0.2892	mg/L	0.00875	3.03%
Pb 220.353†	230.9	0.05514	mg/L	0.002195	0.1103	mg/L	0.00439	3.98%
Sb 206.836†	-38.4	0.00330	mg/L	0.001219	0.00660	mg/L	0.002437	36.90%
Se 196.026†	-89.5	-0.02777	mg/L	0.009750	-0.05554	mg/L	0.019499	35.11%
Si 288.158†	3290.3	1.888	mg/L	0.0112	3.776	mg/L	0.0224	0.59%
Sn 189.927†	-20.6	-0.00919	mg/L	0.001683	-0.01838	mg/L	0.003366	18.32%
Sr 421.552†	76536.9	0.2463	mg/L	0.00049	0.4926	mg/L	0.00097	0.20%
Ti 334.903†	196141.6	9.348	mg/L	0.0215	18.70	mg/L	0.043	0.23%
Tl 190.801†	-10.5	-0.02038	mg/L	0.001560	-0.04075	mg/L	0.003120	7.66%
V 292.402†	50947.8	0.4063	mg/L	0.00099	0.8125	mg/L	0.00198	0.24%
Zn 206.200†	570.5	0.5361	mg/L	0.00698	1.072	mg/L	0.0140	1.30%

Sequence No.: 39
Sample ID: LS71 B SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 56
Date Collected: 10/9/2007 6:47:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS71 B SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LS71 B SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1849010.1	103.6	%	0.67				0.65%
ScR 361.383	162216.9	110.6	%	0.19				0.17%
Ag 328.068†	-849.8	0.00085	mg/L	0.000688	0.00169	mg/L	0.001376	81.34%
Al 308.215†	177741.2	105.9	mg/L	0.09	211.9	mg/L	0.17	0.08%
As 188.979†	629.2	0.4980	mg/L	0.00308	0.9960	mg/L	0.00615	0.62%
B 249.677†	60.1	0.04488	mg/L	0.001330	0.08976	mg/L	0.002661	2.96%
Ba 233.527†	2004.3	0.3425	mg/L	0.00114	0.6849	mg/L	0.00228	0.33%
Be 313.042†	625.6	0.00130	mg/L	0.000070	0.00260	mg/L	0.000140	5.37%
Ca 317.933†	699457.1	67.55	mg/L	0.050	135.1	mg/L	0.10	0.07%
Cd 228.802†	239.7	0.00228	mg/L	0.000193	0.00456	mg/L	0.000387	8.49%
Co 228.616†	5545.6	0.08906	mg/L	0.000601	0.1781	mg/L	0.00120	0.67%
Cr 267.716†	1245.9	0.2983	mg/L	0.00179	0.5967	mg/L	0.00357	0.60%
Cu 324.752†	181718.5	0.8404	mg/L	0.00376	1.681	mg/L	0.0075	0.45%
Fe 273.955†	225321.1	181.6	mg/L	0.09	363.1	mg/L	0.18	0.05%
K 766.490†	13248.5	9.706	mg/L	0.0920	19.41	mg/L	0.184	0.95%
Mg 279.077†	74220.5	59.09	mg/L	0.080	118.2	mg/L	0.16	0.14%
Mn 257.610†	61192.0	2.087	mg/L	0.0020	4.175	mg/L	0.0041	0.10%
Mo 202.031†	422.3	0.06964	mg/L	0.000855	0.1393	mg/L	0.00171	1.23%
Na 589.592†	8399.4	4.066	mg/L	0.0104	8.133	mg/L	0.0207	0.25%
Na 330.237†	76.4	3.609	mg/L	0.2672	7.219	mg/L	0.5343	7.40%
Ni 231.604†	323.5	0.2606	mg/L	0.00162	0.5211	mg/L	0.00324	0.62%
Pb 220.353†	3062.7	0.4520	mg/L	0.00188	0.9041	mg/L	0.00377	0.42%
Sb 206.836†	121.6	0.06969	mg/L	0.001461	0.1394	mg/L	0.00292	2.10%
Se 196.026†	-88.4	-0.02497	mg/L	0.004520	-0.04994	mg/L	0.009040	18.10%
Si 288.158†	8462.6	4.855	mg/L	0.0596	9.710	mg/L	0.1191	1.23%
Sn 189.927†	106.4	0.02632	mg/L	0.001070	0.05264	mg/L	0.002140	4.07%
Sr 421.552†	110052.8	0.3548	mg/L	0.00130	0.7097	mg/L	0.00259	0.37%
Ti 334.903†	127948.5	6.098	mg/L	0.0107	12.20	mg/L	0.021	0.18%
Tl 190.801†	-18.9	-0.02040	mg/L	0.004674	-0.04079	mg/L	0.009347	22.91%
V 292.402†	43420.6	0.3457	mg/L	0.00162	0.6915	mg/L	0.00324	0.47%
Zn 206.200†	1731.8	1.624	mg/L	0.0077	3.247	mg/L	0.0153	0.47%

Sequence No.: 40
Sample ID: LS71 C SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 57
Date Collected: 10/9/2007 6:53:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS71 C SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LS71 C SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1861146.8	104.3	%	0.30				0.29%
ScR 361.383	163034.5	111.2	%	0.58				0.52%
Ag 328.068†	-964.3	0.00057	mg/L	0.000685	0.00114	mg/L	0.001371	120.00%
Al 308.215†	187821.0	111.9	mg/L	0.23	223.9	mg/L	0.45	0.20%
As 188.979†	926.3	0.7484	mg/L	0.00788	1.497	mg/L	0.0158	1.05%
B 249.677†	87.1	0.05948	mg/L	0.000684	0.1190	mg/L	0.00137	1.15%
Ba 233.527†	2064.7	0.3525	mg/L	0.00213	0.7050	mg/L	0.00426	0.60%
Be 313.042†	692.4	0.00150	mg/L	0.000037	0.00300	mg/L	0.000074	2.46%
Ca 317.933†	619303.6	59.81	mg/L	0.246	119.6	mg/L	0.49	0.41%
Cd 228.802†	276.9	0.00152	mg/L	0.000145	0.00305	mg/L	0.000290	9.51%
Co 228.616†	5440.7	0.08689	mg/L	0.000343	0.1738	mg/L	0.00069	0.40%
Cr 267.716†	1478.8	0.3537	mg/L	0.00355	0.7073	mg/L	0.00710	1.00%
Cu 324.752†	156931.4	0.7291	mg/L	0.00168	1.458	mg/L	0.0034	0.23%
Fe 273.955†	241311.9	194.4	mg/L	0.32	388.9	mg/L	0.63	0.16%
K 766.490†	14231.9	10.43	mg/L	0.098	20.85	mg/L	0.196	0.94%
Mg 279.077†	79209.2	63.06	mg/L	0.145	126.1	mg/L	0.29	0.23%
Mn 257.610†	73604.9	2.511	mg/L	0.0205	5.022	mg/L	0.0411	0.82%
Mo 202.031†	613.6	0.1003	mg/L	0.00145	0.2007	mg/L	0.00290	1.45%
Na 589.592†	8795.4	4.258	mg/L	0.0279	8.516	mg/L	0.0558	0.65%
Na 330.237†	78.6	3.732	mg/L	0.1019	7.463	mg/L	0.2038	2.73%
Ni 231.604†	330.6	0.2663	mg/L	0.00542	0.5326	mg/L	0.01084	2.04%
Pb 220.353†	3149.2	0.4654	mg/L	0.00188	0.9307	mg/L	0.00375	0.40%
Sb 206.836†	178.3	0.09555	mg/L	0.003081	0.1911	mg/L	0.00616	3.22%
Se 196.026†	-98.7	-0.03186	mg/L	0.003709	-0.06372	mg/L	0.007418	11.64%
Si 288.158†	13400.9	7.688	mg/L	0.2048	15.38	mg/L	0.410	2.66%
Sn 189.927†	83.5	0.01866	mg/L	0.001183	0.03732	mg/L	0.002366	6.34%
Sr 421.552†	100034.7	0.3222	mg/L	0.00090	0.6444	mg/L	0.00180	0.28%
Ti 334.903†	127943.8	6.098	mg/L	0.0295	12.20	mg/L	0.059	0.48%
Tl 190.801†	-16.7	-0.01991	mg/L	0.001951	-0.03982	mg/L	0.003903	9.80%
V 292.402†	45532.5	0.3630	mg/L	0.00160	0.7259	mg/L	0.00321	0.44%
Zn 206.200†	1794.0	1.682	mg/L	0.0149	3.363	mg/L	0.0298	0.88%

Sequence No.: 41
Sample ID: LS71 D SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 58
Date Collected: 10/9/2007 7:00:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS71 D SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LS71 D SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1900978.6	106.5	%	0.25				0.23%
ScR 361.383	163485.9	111.5	%	0.55				0.49%
Ag 328.068†	-934.1	-0.00009	mg/L	0.000257	-0.00017	mg/L	0.000514	294.63%
Al 308.215†	181664.5	108.3	mg/L	0.68	216.5	mg/L	1.35	0.62%
As 188.979†	248.8	0.1753	mg/L	0.00370	0.3505	mg/L	0.00741	2.11%
B 249.677†	51.6	0.03956	mg/L	0.000523	0.07912	mg/L	0.001047	1.32%
Ba 233.527†	1776.5	0.3032	mg/L	0.00136	0.6063	mg/L	0.00271	0.45%
Be 313.042†	590.1	0.00114	mg/L	0.000060	0.00228	mg/L	0.000120	5.26%
Ca 317.933†	470035.3	45.39	mg/L	0.327	90.78	mg/L	0.654	0.72%
Cd 228.802†	135.6	0.00192	mg/L	0.000036	0.00384	mg/L	0.000072	1.89%
Co 228.616†	4627.9	0.06933	mg/L	0.000350	0.1387	mg/L	0.00070	0.50%
Cr 267.716†	1099.9	0.2635	mg/L	0.00093	0.5270	mg/L	0.00186	0.35%
Cu 324.752†	97868.2	0.4584	mg/L	0.00047	0.9168	mg/L	0.00094	0.10%
Fe 273.955†	209877.7	169.1	mg/L	0.87	338.2	mg/L	1.74	0.52%
K 766.490†	14019.2	10.27	mg/L	0.122	20.54	mg/L	0.243	1.18%
Mg 279.077†	80966.4	64.47	mg/L	0.441	128.9	mg/L	0.88	0.68%
Mn 257.610†	59586.7	2.032	mg/L	0.0055	4.064	mg/L	0.0111	0.27%
Mo 202.031†	108.5	0.02104	mg/L	0.000946	0.04207	mg/L	0.001892	4.50%
Na 589.592†	16468.1	7.973	mg/L	0.0559	15.95	mg/L	0.112	0.70%
Na 330.237†	156.5	7.669	mg/L	0.3311	15.34	mg/L	0.662	4.32%
Ni 231.604†	430.7	0.3468	mg/L	0.00057	0.6937	mg/L	0.00114	0.16%
Pb 220.353†	1605.6	0.2478	mg/L	0.00134	0.4955	mg/L	0.00268	0.54%
Sb 206.836†	52.0	0.04045	mg/L	0.002078	0.08091	mg/L	0.004156	5.14%
Se 196.026†	-80.4	-0.02208	mg/L	0.010545	-0.04417	mg/L	0.021089	47.75%
Si 288.158†	10258.6	5.885	mg/L	0.1635	11.77	mg/L	0.327	2.78%
Sn 189.927†	57.1	0.01262	mg/L	0.000406	0.02523	mg/L	0.000811	3.22%
Sr 421.552†	72643.8	0.2336	mg/L	0.00121	0.4673	mg/L	0.00241	0.52%
Ti 334.903†	155823.1	7.427	mg/L	0.0636	14.85	mg/L	0.127	0.86%
Tl 190.801†	-15.9	-0.02034	mg/L	0.003056	-0.04068	mg/L	0.006111	15.02%
V 292.402†	44050.6	0.3503	mg/L	0.00088	0.7007	mg/L	0.00176	0.25%
Zn 206.200†	1207.7	1.132	mg/L	0.0032	2.265	mg/L	0.0063	0.28%

Sequence No.: 42
Sample ID: LS71 E SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 59
Date Collected: 10/9/2007 7:06:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS71 E SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LS71 E SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1863025.4	104.4	%	0.86				0.83%
ScR 361.383	159252.0	108.6	%	0.53				0.49%
Ag 328.068†	-980.8	-0.00072	mg/L	0.000843	-0.00144	mg/L	0.001686	116.84%
Al 308.215†	174568.8	104.0	mg/L	0.29	208.1	mg/L	0.57	0.27%
As 188.979†	114.8	0.06560	mg/L	0.001715	0.1312	mg/L	0.00343	2.61%
B 249.677†	33.3	0.02956	mg/L	0.000800	0.05912	mg/L	0.001600	2.71%
Ba 233.527†	1862.1	0.3185	mg/L	0.00215	0.6369	mg/L	0.00430	0.68%
Be 313.042†	585.6	0.00119	mg/L	0.000011	0.00237	mg/L	0.000022	0.94%
Ca 317.933†	433824.5	41.89	mg/L	0.078	83.79	mg/L	0.155	0.19%
Cd 228.802†	87.3	0.00149	mg/L	0.000055	0.00298	mg/L	0.000110	3.70%
Co 228.616†	4417.0	0.06848	mg/L	0.000734	0.1370	mg/L	0.00147	1.07%
Cr 267.716†	1111.5	0.2660	mg/L	0.00203	0.5320	mg/L	0.00405	0.76%
Cu 324.752†	43685.9	0.2119	mg/L	0.00062	0.4238	mg/L	0.00125	0.29%
Fe 273.955†	197040.1	158.8	mg/L	0.41	317.5	mg/L	0.83	0.26%
K 766.490†	10735.6	7.865	mg/L	0.0145	15.73	mg/L	0.029	0.18%
Mg 279.077†	78256.8	62.32	mg/L	0.151	124.6	mg/L	0.30	0.24%
Mn 257.610†	66957.3	2.284	mg/L	0.0077	4.567	mg/L	0.0153	0.34%
Mo 202.031†	27.7	0.00820	mg/L	0.000714	0.01640	mg/L	0.001429	8.71%
Na 589.592†	6519.4	3.156	mg/L	0.0342	6.312	mg/L	0.0684	1.08%
Na 330.237†	50.8	3.048	mg/L	0.2015	6.097	mg/L	0.4029	6.61%
Ni 231.604†	352.8	0.2841	mg/L	0.00409	0.5682	mg/L	0.00818	1.44%
Pb 220.353†	802.5	0.1338	mg/L	0.00277	0.2677	mg/L	0.00555	2.07%
Sb 206.836†	-8.8	0.00794	mg/L	0.002430	0.01589	mg/L	0.004861	30.60%
Se 196.026†	-83.7	-0.02771	mg/L	0.002316	-0.05542	mg/L	0.004632	8.36%
Si 288.158†	12087.6	6.935	mg/L	0.1291	13.87	mg/L	0.258	1.86%
Sn 189.927†	-5.6	-0.00608	mg/L	0.000388	-0.01217	mg/L	0.000777	6.38%
Sr 421.552†	69203.3	0.2226	mg/L	0.00026	0.4452	mg/L	0.00053	0.12%
Ti 334.903†	124767.4	5.946	mg/L	0.0048	11.89	mg/L	0.010	0.08%
Tl 190.801†	-18.8	-0.02020	mg/L	0.001726	-0.04039	mg/L	0.003452	8.55%
V 292.402†	42060.7	0.3358	mg/L	0.00167	0.6715	mg/L	0.00334	0.50%
Zn 206.200†	715.5	0.6712	mg/L	0.00500	1.342	mg/L	0.0100	0.74%

Sequence No.: 43
Sample ID: LS71 ADUP SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 60
Date Collected: 10/9/2007 7:12:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS71 ADUP SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LS71 ADUP SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1833698.5	102.8	%	0.84				0.81%
ScR 361.383	158637.0	108.2	%	0.15				0.14%
Ag 328.068†	-923.1	0.00036	mg/L	0.000239	0.00072	mg/L	0.000478	66.72%
Al 308.215†	173144.9	103.2	mg/L	0.64	206.4	mg/L	1.29	0.62%
As 188.979†	550.2	0.4328	mg/L	0.00649	0.8657	mg/L	0.01298	1.50%
B 249.677†	62.4	0.04593	mg/L	0.003070	0.09186	mg/L	0.006139	6.68%
Ba 233.527†	1769.6	0.3016	mg/L	0.00076	0.6032	mg/L	0.00152	0.25%
Be 313.042†	660.0	0.00143	mg/L	0.000009	0.00287	mg/L	0.000018	0.62%
Ca 317.933†	476761.4	46.04	mg/L	0.527	92.08	mg/L	1.055	1.15%
Cd 228.802†	193.4	0.00161	mg/L	0.000111	0.00321	mg/L	0.000223	6.93%
Co 228.616†	5117.7	0.08078	mg/L	0.001011	0.1616	mg/L	0.00202	1.25%
Cr 267.716†	1184.9	0.2839	mg/L	0.00048	0.5677	mg/L	0.00097	0.17%
Cu 324.752†	158427.7	0.7346	mg/L	0.00254	1.469	mg/L	0.0051	0.35%
Fe 273.955†	224019.6	180.5	mg/L	0.85	361.0	mg/L	1.69	0.47%
K 766.490†	12758.9	9.347	mg/L	0.1005	18.69	mg/L	0.201	1.07%
Mg 279.077†	74347.0	59.19	mg/L	0.515	118.4	mg/L	1.03	0.87%
Mn 257.610†	59961.5	2.045	mg/L	0.0067	4.091	mg/L	0.0134	0.33%
Mo 202.031†	403.1	0.06718	mg/L	0.001744	0.1344	mg/L	0.00349	2.60%
Na 589.592†	7382.9	3.574	mg/L	0.0172	7.149	mg/L	0.0343	0.48%
Na 330.237†	60.6	3.008	mg/L	0.1309	6.017	mg/L	0.2618	4.35%
Ni 231.604†	313.7	0.2527	mg/L	0.00434	0.5053	mg/L	0.00868	1.72%
Pb 220.353†	2481.8	0.3692	mg/L	0.00381	0.7383	mg/L	0.00763	1.03%
Sb 206.836†	123.9	0.07133	mg/L	0.001877	0.1427	mg/L	0.00375	2.63%
Se 196.026†	-85.3	-0.02510	mg/L	0.006982	-0.05019	mg/L	0.013964	27.82%
Si 288.158†	12771.4	7.327	mg/L	0.0408	14.65	mg/L	0.082	0.56%
Sn 189.927†	115.6	0.02870	mg/L	0.000641	0.05740	mg/L	0.001283	2.23%
Sr 421.552†	76995.5	0.2477	mg/L	0.00278	0.4953	mg/L	0.00556	1.12%
Ti 334.903†	130700.2	6.229	mg/L	0.0578	12.46	mg/L	0.116	0.93%
Tl 190.801†	-15.9	-0.01900	mg/L	0.001692	-0.03801	mg/L	0.003385	8.91%
V 292.402†	42880.0	0.3411	mg/L	0.00182	0.6822	mg/L	0.00365	0.53%
Zn 206.200†	1806.0	1.693	mg/L	0.0049	3.385	mg/L	0.0097	0.29%

Sequence No.: 44
Sample ID: LS71 A SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 61
Date Collected: 10/9/2007 7:19:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS71 A SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LS71 A SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1830262.0	102.6	%	0.20				0.19%
ScR 361.383	159003.7	108.4	%	1.33				1.22%
Ag 328.068†	-969.1	-0.00003	mg/L	0.000031	-0.00006	mg/L	0.000062	98.18%
Al 308.215†	172512.9	102.8	mg/L	0.46	205.6	mg/L	0.91	0.44%
As 188.979†	594.7	0.4701	mg/L	0.00629	0.9402	mg/L	0.01258	1.34%
B 249.677†	62.0	0.04549	mg/L	0.002116	0.09098	mg/L	0.004231	4.65%
Ba 233.527†	1780.9	0.3037	mg/L	0.00362	0.6074	mg/L	0.00724	1.19%
Be 313.042†	735.8	0.00171	mg/L	0.000064	0.00341	mg/L	0.000128	3.75%
Ca 317.933†	558049.5	53.89	mg/L	0.094	107.8	mg/L	0.19	0.17%
Cd 228.802†	188.9	0.00125	mg/L	0.000125	0.00251	mg/L	0.000250	9.98%
Co 228.616†	5020.0	0.07907	mg/L	0.000167	0.1581	mg/L	0.00033	0.21%
Cr 267.716†	1163.8	0.2788	mg/L	0.00198	0.5576	mg/L	0.00397	0.71%
Cu 324.752†	174155.1	0.8057	mg/L	0.00037	1.611	mg/L	0.0007	0.05%
Fe 273.955†	220029.4	177.3	mg/L	0.28	354.6	mg/L	0.56	0.16%
K 766.490†	12393.6	9.080	mg/L	0.0769	18.16	mg/L	0.154	0.85%
Mg 279.077†	74862.4	59.60	mg/L	0.091	119.2	mg/L	0.18	0.15%
Mn 257.610†	61247.4	2.089	mg/L	0.0065	4.178	mg/L	0.0131	0.31%
Mo 202.031†	389.0	0.06468	mg/L	0.000577	0.1294	mg/L	0.00115	0.89%
Na 589.592†	7634.0	3.696	mg/L	0.0030	7.392	mg/L	0.0059	0.08%
Na 330.237†	70.0	3.419	mg/L	0.2558	6.838	mg/L	0.5117	7.48%
Ni 231.604†	316.0	0.2546	mg/L	0.00457	0.5091	mg/L	0.00914	1.80%
Pb 220.353†	2546.7	0.3784	mg/L	0.00101	0.7567	mg/L	0.00203	0.27%
Sb 206.836†	144.0	0.08073	mg/L	0.002433	0.1615	mg/L	0.00487	3.01%
Se 196.026†	-90.2	-0.02920	mg/L	0.008510	-0.05840	mg/L	0.017020	29.14%
Si 288.158†	12162.2	6.978	mg/L	0.1421	13.96	mg/L	0.284	2.04%
Sn 189.927†	101.1	0.02478	mg/L	0.001074	0.04957	mg/L	0.002148	4.33%
Sr 421.552†	98954.3	0.3189	mg/L	0.00292	0.6378	mg/L	0.00585	0.92%
Ti 334.903†	129919.6	6.192	mg/L	0.0177	12.38	mg/L	0.035	0.29%
Tl 190.801†	-13.1	-0.01766	mg/L	0.001835	-0.03532	mg/L	0.003669	10.39%
V 292.402†	42847.7	0.3411	mg/L	0.00031	0.6821	mg/L	0.00062	0.09%
Zn 206.200†	1704.6	1.598	mg/L	0.0190	3.196	mg/L	0.0380	1.19%

Sequence No.: 45
Sample ID: LS71 ASPK SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 62
Date Collected: 10/9/2007 7:25:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS71 ASPK SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LS71 ASPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1842946.0	103.3	%	0.18				0.17%
ScR 361.383	159949.1	109.1	%	0.67				0.61%
Ag 328.068†	80140.9	0.5008	mg/L	0.00217	1.002	mg/L	0.0043	0.43%
Al 308.215†	189898.7	113.2	mg/L	0.38	226.3	mg/L	0.77	0.34%
As 188.979†	3155.4	2.631	mg/L	0.0080	5.262	mg/L	0.0161	0.31%
B 249.677†	67.2	0.04846	mg/L	0.002056	0.09691	mg/L	0.004112	4.24%
Ba 233.527†	12345.8	2.144	mg/L	0.0147	4.288	mg/L	0.0295	0.69%
Be 313.042†	137625.9	0.4907	mg/L	0.00192	0.9814	mg/L	0.00385	0.39%
Ca 317.933†	684604.3	66.11	mg/L	0.260	132.2	mg/L	0.52	0.39%
Cd 228.802†	20285.3	0.4668	mg/L	0.00070	0.9337	mg/L	0.00140	0.15%
Co 228.616†	29371.9	0.5364	mg/L	0.00080	1.073	mg/L	0.0016	0.15%
Cr 267.716†	3221.4	0.7665	mg/L	0.00819	1.533	mg/L	0.0164	1.07%
Cu 324.752†	352564.7	1.618	mg/L	0.0012	3.235	mg/L	0.0024	0.08%
Fe 273.955†	246573.0	198.7	mg/L	0.53	397.4	mg/L	1.06	0.27%
K 766.490†	26330.4	19.29	mg/L	0.061	38.58	mg/L	0.122	0.32%
Mg 279.077†	87850.8	69.95	mg/L	0.186	139.9	mg/L	0.37	0.27%
Mn 257.610†	76625.0	2.615	mg/L	0.0087	5.230	mg/L	0.0175	0.33%
Mo 202.031†	554.1	0.09077	mg/L	0.000781	0.1815	mg/L	0.00156	0.86%
Na 589.592†	28753.0	13.92	mg/L	0.086	27.84	mg/L	0.171	0.62%
Na 330.237†	319.3	13.50	mg/L	0.276	26.99	mg/L	0.552	2.04%
Ni 231.604†	882.2	0.7103	mg/L	0.00588	1.421	mg/L	0.0118	0.83%
Pb 220.353†	16631.5	2.373	mg/L	0.0047	4.746	mg/L	0.0094	0.20%
Sb 206.836†	201.1	0.1022	mg/L	0.00412	0.2045	mg/L	0.00825	4.03%
Se 196.026†	2039.3	1.864	mg/L	0.0141	3.729	mg/L	0.0282	0.76%
Si 288.158†	8080.3	4.636	mg/L	0.0465	9.273	mg/L	0.0929	1.00%
Sn 189.927†	135.5	0.03441	mg/L	0.001511	0.06883	mg/L	0.003023	4.39%
Sr 421.552†	246341.5	0.7965	mg/L	0.00479	1.593	mg/L	0.0096	0.60%
Ti 334.903†	124994.2	5.957	mg/L	0.0189	11.91	mg/L	0.038	0.32%
Tl 190.801†	3748.4	1.765	mg/L	0.0030	3.529	mg/L	0.0060	0.17%
V 292.402†	101057.6	0.8292	mg/L	0.00394	1.658	mg/L	0.0079	0.47%
Zn 206.200†	3051.4	2.859	mg/L	0.0216	5.719	mg/L	0.0431	0.75%

16.3%

Sequence No.: 46
Sample ID: LS71 MBSPK SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 63
Date Collected: 10/9/2007 7:32:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS71 MBSPK SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LS71 MBSPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1820604.8	102.0	%	0.34				0.33%
ScR 361.383	155096.4	105.7	%	0.38				0.36%
Ag 328.068†	80119.4	0.4941	mg/L	0.00123	0.9882	mg/L	0.00246	0.25%
Al 308.215†	3246.5	1.928	mg/L	0.0114	3.857	mg/L	0.0228	0.59%
As 188.979†	2325.6	1.964	mg/L	0.0157	3.928	mg/L	0.0313	0.80%
B 249.677†	5.3	0.00132	mg/L	0.000971	0.00264	mg/L	0.001942	73.63%
Ba 233.527†	10575.3	1.843	mg/L	0.0112	3.686	mg/L	0.0224	0.61%
Be 313.042†	137756.4	0.4921	mg/L	0.00335	0.9842	mg/L	0.00669	0.68%
Ca 317.933†	101243.0	9.777	mg/L	0.0645	19.55	mg/L	0.129	0.66%
Cd 228.802†	20341.9	0.4727	mg/L	0.00307	0.9455	mg/L	0.00615	0.65%
Co 228.616†	24928.4	0.4680	mg/L	0.00214	0.9360	mg/L	0.00427	0.46%
Cr 267.716†	2021.3	0.4787	mg/L	0.00242	0.9575	mg/L	0.00483	0.50%
Cu 324.752†	108810.9	0.4941	mg/L	0.00200	0.9882	mg/L	0.00401	0.41%
Fe 273.955†	2422.8	1.951	mg/L	0.0068	3.901	mg/L	0.0136	0.35%
K 766.490†	13321.6	9.760	mg/L	0.0485	19.52	mg/L	0.097	0.50%
Mg 279.077†	12597.1	10.04	mg/L	0.041	20.08	mg/L	0.081	0.40%
Mn 257.610†	14387.7	0.4919	mg/L	0.00040	0.9837	mg/L	0.00081	0.08%
Mo 202.031†	29.7	0.00442	mg/L	0.000675	0.00885	mg/L	0.001351	15.26%
Na 589.592†	20073.8	9.718	mg/L	0.0467	19.44	mg/L	0.093	0.48%
Na 330.237†	229.8	9.656	mg/L	0.2668	19.31	mg/L	0.534	2.76%
Ni 231.604†	602.4	0.4848	mg/L	0.00399	0.9697	mg/L	0.00798	0.82%
Pb 220.353†	13665.8	1.934	mg/L	0.0075	3.869	mg/L	0.0149	0.39%
Sb 206.836†	8.6	-0.00093	mg/L	0.001537	-0.00187	mg/L	0.003075	164.84%
Se 196.026†	2151.2	1.908	mg/L	0.0148	3.816	mg/L	0.0296	0.78%
Si 288.158†	1.9	0.00140	mg/L	0.001352	0.00281	mg/L	0.002704	96.31%
Sn 189.927†	-11.1	-0.00266	mg/L	0.000936	-0.00532	mg/L	0.001872	35.18%
Sr 421.552†	145273.2	0.4709	mg/L	0.00303	0.9418	mg/L	0.00607	0.64%
Ti 334.903†	68.3	0.00312	mg/L	0.000761	0.00623	mg/L	0.001522	24.43%
Tl 190.801†	3956.1	1.875	mg/L	0.0094	3.749	mg/L	0.0188	0.50%
V 292.402†	57427.0	0.4827	mg/L	0.00180	0.9655	mg/L	0.00359	0.37%
Zn 206.200†	525.5	0.4924	mg/L	0.00248	0.9848	mg/L	0.00496	0.50%

Sequence No.: 47
Sample ID: CV
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 10/9/2007 7:38:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1762084.5	98.74	%	0.348				0.35%
ScR 361.383	151994.7	103.6	%	0.54				0.52%
Ag 328.068†	162115.1	0.9997	mg/L	0.00184	0.9997	mg/L	0.00184	0.18%
Al 308.215†	3258.6	1.904	mg/L	0.0055	1.904	mg/L	0.0055	0.29%
As 188.979†	2328.4	1.965	mg/L	0.0120	1.965	mg/L	0.0120	0.61%
B 249.677†	1884.1	0.9410	mg/L	0.00469	0.9410	mg/L	0.00469	0.50%
Ba 233.527†	5411.2	0.9430	mg/L	0.00100	0.9430	mg/L	0.00100	0.11%
Be 313.042†	272046.0	0.9717	mg/L	0.00278	0.9717	mg/L	0.00278	0.29%
Ca 317.933†	20794.6	2.008	mg/L	0.0054	2.008	mg/L	0.0054	0.27%
Cd 228.802†	41083.0	0.9678	mg/L	0.00398	0.9678	mg/L	0.00398	0.41%
Co 228.616†	50529.4	0.9481	mg/L	0.00286	0.9481	mg/L	0.00286	0.30%
Cr 267.716†	3980.1	0.9426	mg/L	0.00060	0.9426	mg/L	0.00060	0.06%
Cu 324.752†	229426.8	1.041	mg/L	0.0027	1.041	mg/L	0.0027	0.26%
Fe 273.955†	2418.4	1.945	mg/L	0.0009	1.945	mg/L	0.0009	0.04%
K 766.490†	27006.7	19.79	mg/L	0.219	19.79	mg/L	0.219	1.11%
Mg 279.077†	2476.2	1.977	mg/L	0.0069	1.977	mg/L	0.0069	0.35%
Mn 257.610†	28401.2	0.9702	mg/L	0.00323	0.9702	mg/L	0.00323	0.33%
Mo 202.031†	5898.5	0.9294	mg/L	0.00463	0.9294	mg/L	0.00463	0.50%
Na 589.592†	99897.7	48.36	mg/L	0.216	48.36	mg/L	0.216	0.45%
Na 330.237†	1132.0	48.70	mg/L	0.646	48.70	mg/L	0.646	1.33%
Ni 231.604†	1191.0	0.9608	mg/L	0.00226	0.9608	mg/L	0.00226	0.24%
Pb 220.353†	14001.7	1.982	mg/L	0.0035	1.982	mg/L	0.0035	0.17%
Sb 206.836†	4120.6	1.936	mg/L	0.0104	1.936	mg/L	0.0104	0.53%
Se 196.026†	2116.7	1.876	mg/L	0.0164	1.876	mg/L	0.0164	0.87%
Si 288.158†	3523.7	2.024	mg/L	0.0040	2.024	mg/L	0.0040	0.20%
Sn 189.927†	2922.0	0.8733	mg/L	0.00521	0.8733	mg/L	0.00521	0.60%
Sr 421.552†	292334.4	0.9477	mg/L	0.00676	0.9477	mg/L	0.00676	0.71%
Ti 334.903†	20243.4	0.9639	mg/L	0.00227	0.9639	mg/L	0.00227	0.24%
Tl 190.801†	4039.0	1.907	mg/L	0.0111	1.907	mg/L	0.0111	0.58%
V 292.402†	115978.4	0.9792	mg/L	0.00155	0.9792	mg/L	0.00155	0.16%
Zn 206.200†	1065.1	0.9970	mg/L	0.00394	0.9970	mg/L	0.00394	0.40%

Sequence No.: 48
Sample ID: CB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/9/2007 7:45:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1770668.8	99.22	%	0.362				0.37%
ScR 361.383	149612.5	102.0	%	0.56				0.55%
Ag 328.068†	123.8	0.00076	mg/L	0.000575	0.00076	mg/L	0.000575	75.36%
Al 308.215†	19.2	0.01142	mg/L	0.011664	0.01142	mg/L	0.011664	102.12%
As 188.979†	4.6	0.00387	mg/L	0.003701	0.00387	mg/L	0.003701	95.58%
B 249.677†	13.2	0.00661	mg/L	0.002608	0.00661	mg/L	0.002608	39.44%
Ba 233.527†	3.8	0.00067	mg/L	0.000855	0.00067	mg/L	0.000855	127.52%
Be 313.042†	22.1	0.00008	mg/L	0.000024	0.00008	mg/L	0.000024	30.20%
Ca 317.933†	34.1	0.00329	mg/L	0.001083	0.00329	mg/L	0.001083	32.90%
Cd 228.802†	11.0	0.00024	mg/L	0.000093	0.00024	mg/L	0.000093	38.97%
Co 228.616†	3.9	0.00007	mg/L	0.000098	0.00007	mg/L	0.000098	134.34%
Cr 267.716†	2.7	0.00064	mg/L	0.000528	0.00064	mg/L	0.000528	82.14%
Cu 324.752†	136.7	0.00062	mg/L	0.000293	0.00062	mg/L	0.000293	47.30%
Fe 273.955†	-2.1	-0.00167	mg/L	0.002113	-0.00167	mg/L	0.002113	126.17%
K 766.490†	41.1	0.03008	mg/L	0.033239	0.03008	mg/L	0.033239	110.52%
Mg 279.077†	2.6	0.00205	mg/L	0.017144	0.00205	mg/L	0.017144	837.01%
Mn 257.610†	2.4	0.00008	mg/L	0.000208	0.00008	mg/L	0.000208	247.70%
Mo 202.031†	8.1	0.00128	mg/L	0.000599	0.00128	mg/L	0.000599	46.82%
Na 589.592†	74.5	0.03605	mg/L	0.004855	0.03605	mg/L	0.004855	13.47%
Na 330.237†	-3.6	-0.1582	mg/L	0.45650	-0.1582	mg/L	0.45650	288.65%
Ni 231.604†	-1.5	-0.00120	mg/L	0.002848	-0.00120	mg/L	0.002848	236.79%
Pb 220.353†	20.9	0.00296	mg/L	0.000623	0.00296	mg/L	0.000623	21.05%
Sb 206.836†	-1.4	-0.00065	mg/L	0.002233	-0.00065	mg/L	0.002233	344.46%
Se 196.026†	5.7	0.00504	mg/L	0.003975	0.00504	mg/L	0.003975	78.93%
Si 288.158†	-12.0	-0.00687	mg/L	0.013245	-0.00687	mg/L	0.013245	192.81%
Sn 189.927†	5.8	0.00174	mg/L	0.000491	0.00174	mg/L	0.000491	28.19%
Sr 421.552†	-98.8	-0.00032	mg/L	0.000064	-0.00032	mg/L	0.000064	20.05%
Ti 334.903†	14.1	0.00067	mg/L	0.001166	0.00067	mg/L	0.001166	173.90%
Tl 190.801†	16.7	0.00792	mg/L	0.002334	0.00792	mg/L	0.002334	29.49%
V 292.402†	0.4	0.00001	mg/L	0.000086	0.00001	mg/L	0.000086	585.69%
Zn 206.200†	1.0	0.00089	mg/L	0.000727	0.00089	mg/L	0.000727	81.67%

Sequence No.: 49
Sample ID: LR67 MB SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 64
Date Collected: 10/9/2007 7:51:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 MB SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR67 MB SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1780323.1	99.76	%	0.767				0.77%
ScR 361.383	147406.8	100.5	%	0.59				0.59%
Ag 328.068†	53.4	0.00033	mg/L	0.000255	0.00066	mg/L	0.000510	77.44%
Al 308.215†	14.6	0.00871	mg/L	0.011981	0.01742	mg/L	0.023963	137.59%
As 188.979†	5.9	0.00498	mg/L	0.005386	0.00995	mg/L	0.010772	108.22%
B 249.677†	1.5	0.00077	mg/L	0.002002	0.00154	mg/L	0.004003	260.57%
Ba 233.527†	-0.3	-0.00005	mg/L	0.000603	-0.00011	mg/L	0.001205	>999.9%
Be 313.042†	49.4	0.00018	mg/L	0.000139	0.00035	mg/L	0.000277	78.33%
Ca 317.933†	143.1	0.01382	mg/L	0.001125	0.02764	mg/L	0.002249	8.14%
Cd 228.802†	9.0	0.00018	mg/L	0.000038	0.00036	mg/L	0.000075	20.63%
Co 228.616†	-12.3	-0.00023	mg/L	0.000200	-0.00046	mg/L	0.000400	86.53%
Cr 267.716†	0.8	0.00018	mg/L	0.001393	0.00036	mg/L	0.002786	783.57%
Cu 324.752†	119.9	0.00054	mg/L	0.000079	0.00109	mg/L	0.000159	14.61%
Fe 273.955†	6.5	0.00521	mg/L	0.002550	0.01042	mg/L	0.005101	48.94%
K 766.490†	8.2	0.00601	mg/L	0.045091	0.01202	mg/L	0.090182	750.58%
Mg 279.077†	20.3	0.01621	mg/L	0.009500	0.03242	mg/L	0.019000	58.60%
Mn 257.610†	4.1	0.00014	mg/L	0.000252	0.00028	mg/L	0.000505	179.39%
Mo 202.031†	5.2	0.00081	mg/L	0.000849	0.00163	mg/L	0.001699	104.23%
Na 589.592†	80.5	0.03897	mg/L	0.010853	0.07793	mg/L	0.021706	27.85%
Na 330.237†	-4.7	-0.2052	mg/L	0.64182	-0.4103	mg/L	1.28364	312.84%
Ni 231.604†	-3.5	-0.00280	mg/L	0.002220	-0.00561	mg/L	0.004440	79.21%
Pb 220.353†	5.9	0.00083	mg/L	0.001009	0.00166	mg/L	0.002019	121.32%
Sb 206.836†	-5.3	-0.00247	mg/L	0.002717	-0.00495	mg/L	0.005435	109.86%
Se 196.026†	-2.4	-0.00210	mg/L	0.001404	-0.00419	mg/L	0.002809	66.99%
Si 288.158†	32.4	0.01857	mg/L	0.008427	0.03715	mg/L	0.016855	45.37%
Sn 189.927†	5.1	0.00152	mg/L	0.000564	0.00305	mg/L	0.001128	37.03%
Sr 421.552†	-91.9	-0.00030	mg/L	0.000212	-0.00060	mg/L	0.000423	71.02%
Ti 334.903†	3.7	0.00018	mg/L	0.001599	0.00036	mg/L	0.003198	899.44%
Tl 190.801†	5.1	0.00244	mg/L	0.001790	0.00489	mg/L	0.003580	73.26%
V 292.402†	-8.5	-0.00007	mg/L	0.000391	-0.00013	mg/L	0.000781	595.50%
Zn 206.200†	2.9	0.00276	mg/L	0.001608	0.00552	mg/L	0.003215	58.29%

Sequence No.: 50
Sample ID: LR67 C SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 65
Date Collected: 10/9/2007 7:58:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 C SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR67 C SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1811127.2	101.5	%	0.48				0.48%
ScR 361.383	157708.5	107.5	%	1.18				1.10%
Ag 328.068†	-1138.4	-0.00030	mg/L	0.000357	-0.00061	mg/L	0.000714	117.12%
Al 308.215†	225067.2	134.1	mg/L	0.43	268.3	mg/L	0.87	0.32%
As 188.979†	100.6	0.03919	mg/L	0.005200	0.07839	mg/L	0.010399	13.27%
B 249.677†	27.2	0.02990	mg/L	0.001286	0.05981	mg/L	0.002572	4.30%
Ba 233.527†	1318.4	0.2221	mg/L	0.00260	0.4443	mg/L	0.00521	1.17%
Be 313.042†	913.4	0.00197	mg/L	0.000080	0.00394	mg/L	0.000161	4.08%
Ca 317.933†	778795.2	75.21	mg/L	0.343	150.4	mg/L	0.69	0.46%
Cd 228.802†	37.3	0.00033	mg/L	0.000135	0.00066	mg/L	0.000270	40.93%
Co 228.616†	5060.5	0.07193	mg/L	0.001006	0.1439	mg/L	0.00201	1.40%
Cr 267.716†	1029.4	0.2473	mg/L	0.00206	0.4945	mg/L	0.00413	0.83%
Cu 324.752†	46209.5	0.2263	mg/L	0.00027	0.4527	mg/L	0.00054	0.12%
Fe 273.955†	248209.2	200.0	mg/L	0.68	400.0	mg/L	1.37	0.34%
K 766.490†	8432.9	6.178	mg/L	0.0776	12.36	mg/L	0.155	1.26%
Mg 279.077†	96844.7	77.12	mg/L	1.120	154.2	mg/L	2.24	1.45%
Mn 257.610†	82588.0	2.817	mg/L	0.0401	5.633	mg/L	0.0802	1.42%
Mo 202.031†	25.1	0.00822	mg/L	0.000884	0.01643	mg/L	0.001768	10.76%
Na 589.592†	4770.9	2.310	mg/L	0.0180	4.619	mg/L	0.0360	0.78%
Na 330.237†	19.8	2.560	mg/L	0.3413	5.119	mg/L	0.6826	13.33%
Ni 231.604†	214.6	0.1728	mg/L	0.00301	0.3457	mg/L	0.00601	1.74%
Pb 220.353†	-23.1	0.02314	mg/L	0.000286	0.04628	mg/L	0.000572	1.23%
Sb 206.836†	-32.9	0.00711	mg/L	0.001135	0.01423	mg/L	0.002270	15.96%
Se 196.026†	-103.3	-0.02992	mg/L	0.000235	-0.05984	mg/L	0.000470	0.79%
Si 288.158†	2596.5	1.490	mg/L	0.0200	2.980	mg/L	0.0401	1.35%
Sn 189.927†	-24.4	-0.01167	mg/L	0.001316	-0.02334	mg/L	0.002632	11.28%
Sr 421.552†	77112.1	0.2478	mg/L	0.00097	0.4955	mg/L	0.00193	0.39%
Ti 334.903†	208777.8	9.950	mg/L	0.0346	19.90	mg/L	0.069	0.35%
Tl 190.801†	-8.1	-0.02099	mg/L	0.003789	-0.04198	mg/L	0.007579	18.05%
V 292.402†	58811.7	0.4689	mg/L	0.00197	0.9378	mg/L	0.00394	0.42%
Zn 206.200†	356.6	0.3360	mg/L	0.00145	0.6720	mg/L	0.00289	0.43%

Sequence No.: 51
Sample ID: LR67 E SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 66
Date Collected: 10/9/2007 8:04:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR67 E SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR67 E SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1798749.6	100.8	%	0.70				0.70%
ScR 361.383	157755.7	107.6	%	0.67				0.62%
Ag 328.068†	-971.8	-0.00033	mg/L	0.000177	-0.00066	mg/L	0.000354	53.90%
Al 308.215†	202904.4	120.9	mg/L	0.33	241.9	mg/L	0.67	0.28%
As 188.979†	94.8	0.03549	mg/L	0.004336	0.07098	mg/L	0.008673	12.22%
B 249.677†	33.1	0.03026	mg/L	0.001824	0.06052	mg/L	0.003648	6.03%
Ba 233.527†	2346.1	0.4024	mg/L	0.00415	0.8049	mg/L	0.00831	1.03%
Be 313.042†	850.1	0.00181	mg/L	0.000069	0.00363	mg/L	0.000139	3.83%
Ca 317.933†	925098.4	89.34	mg/L	0.253	178.7	mg/L	0.51	0.28%
Cd 228.802†	36.2	0.00033	mg/L	0.000050	0.00066	mg/L	0.000099	15.07%
Co 228.616†	4601.9	0.06346	mg/L	0.001217	0.1269	mg/L	0.00243	1.92%
Cr 267.716†	890.4	0.2138	mg/L	0.00257	0.4276	mg/L	0.00514	1.20%
Cu 324.752†	34006.9	0.1680	mg/L	0.00020	0.3359	mg/L	0.00041	0.12%
Fe 273.955†	209181.2	168.6	mg/L	0.35	337.1	mg/L	0.70	0.21%
K 766.490†	8770.8	6.426	mg/L	0.0432	12.85	mg/L	0.086	0.67%
Mg 279.077†	83792.3	66.73	mg/L	0.762	133.5	mg/L	1.52	1.14%
Mn 257.610†	71487.2	2.438	mg/L	0.0246	4.876	mg/L	0.0492	1.01%
Mo 202.031†	36.7	0.00894	mg/L	0.000071	0.01789	mg/L	0.000142	0.80%
Na 589.592†	5322.3	2.577	mg/L	0.0378	5.153	mg/L	0.0756	1.47%
Na 330.237†	20.2	2.512	mg/L	0.5542	5.024	mg/L	1.1084	22.06%
Ni 231.604†	174.2	0.1402	mg/L	0.00376	0.2804	mg/L	0.00752	2.68%
Pb 220.353†	-26.0	0.02101	mg/L	0.000557	0.04203	mg/L	0.001113	2.65%
Sb 206.836†	-32.9	0.00783	mg/L	0.003055	0.01566	mg/L	0.006109	39.01%
Se 196.026†	-99.0	-0.03180	mg/L	0.008313	-0.06359	mg/L	0.016627	26.15%
Si 288.158†	3174.5	1.821	mg/L	0.0006	3.643	mg/L	0.0012	0.03%
Sn 189.927†	-26.0	-0.01026	mg/L	0.001655	-0.02052	mg/L	0.003309	16.13%
Sr 421.552†	88014.4	0.2835	mg/L	0.00035	0.5669	mg/L	0.00069	0.12%
Ti 334.903†	212199.8	10.11	mg/L	0.035	20.23	mg/L	0.071	0.35%
Tl 190.801†	-10.4	-0.02155	mg/L	0.004248	-0.04309	mg/L	0.008495	19.71%
V 292.402†	54919.8	0.4385	mg/L	0.00075	0.8769	mg/L	0.00150	0.17%
Zn 206.200†	314.2	0.2967	mg/L	0.00432	0.5933	mg/L	0.00863	1.45%

Sequence No.: 52
Sample ID: LR71 E SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 67
Date Collected: 10/9/2007 8:11:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 E SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR71 E SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1816663.3	101.8	%	0.52				0.52%
ScR 361.383	157406.2	107.3	%	0.42				0.39%
Ag 328.068†	-569.9	-0.00043	mg/L	0.000603	-0.00085	mg/L	0.001205	141.57%
Al 308.215†	100399.5	59.84	mg/L	0.291	119.7	mg/L	0.58	0.49%
As 188.979†	78.8	0.04305	mg/L	0.005684	0.08611	mg/L	0.011368	13.20%
B 249.677†	134.7	0.07491	mg/L	0.002489	0.1498	mg/L	0.00498	3.32%
Ba 233.527†	917.2	0.1563	mg/L	0.00078	0.3127	mg/L	0.00155	0.50%
Be 313.042†	371.0	0.00076	mg/L	0.000127	0.00152	mg/L	0.000255	16.76%
Ca 317.933†	850683.9	82.15	mg/L	0.296	164.3	mg/L	0.59	0.36%
Cd 228.802†	161.9	0.00344	mg/L	0.000323	0.00689	mg/L	0.000645	9.37%
Co 228.616†	1855.4	0.02452	mg/L	0.002882	0.04905	mg/L	0.005765	11.75%
Cr 267.716†	570.0	0.1366	mg/L	0.00095	0.2732	mg/L	0.00191	0.70%
Cu 324.752†	67986.4	0.3162	mg/L	0.00484	0.6324	mg/L	0.00968	1.53%
Fe 273.955†	114216.0	92.03	mg/L	0.371	184.1	mg/L	0.74	0.40%
K 766.490†	10984.2	8.047	mg/L	0.0569	16.09	mg/L	0.114	0.71%
Mg 279.077†	49465.2	39.39	mg/L	0.240	78.79	mg/L	0.480	0.61%
Mn 257.610†	33568.4	1.145	mg/L	0.0045	2.290	mg/L	0.0091	0.40%
Mo 202.031†	110.1	0.01769	mg/L	0.001111	0.03538	mg/L	0.002222	6.28%
Na 589.592†	78134.3	37.83	mg/L	0.123	75.65	mg/L	0.247	0.33%
Na 330.237†	862.5	37.85	mg/L	0.813	75.69	mg/L	1.627	2.15%
Ni 231.604†	164.1	0.1322	mg/L	0.00258	0.2643	mg/L	0.00515	1.95%
Pb 220.353†	411.3	0.06961	mg/L	0.006363	0.1392	mg/L	0.01273	9.14%
Sb 206.836†	-14.5	0.00298	mg/L	0.000482	0.00596	mg/L	0.000965	16.19%
Se 196.026†	-54.7	-0.01537	mg/L	0.008051	-0.03075	mg/L	0.016101	52.37%
Si 288.158†	5138.9	2.948	mg/L	0.0392	5.897	mg/L	0.0784	1.33%
Sn 189.927†	85.3	0.02472	mg/L	0.001837	0.04943	mg/L	0.003674	7.43%
Sr 421.552†	164840.6	0.5334	mg/L	0.00212	1.067	mg/L	0.0042	0.40%
Ti 334.903†	92709.8	4.419	mg/L	0.0173	8.837	mg/L	0.0347	0.39%
Tl 190.801†	-4.8	-0.00971	mg/L	0.002485	-0.01941	mg/L	0.004970	25.60%
V 292.402†	25611.3	0.2040	mg/L	0.00358	0.4080	mg/L	0.00717	1.76%
Zn 206.200†	293.5	0.2772	mg/L	0.00109	0.5543	mg/L	0.00218	0.39%

Sequence No.: 53
Sample ID: LR71 F SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 68
Date Collected: 10/9/2007 8:18:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 F SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR71 F SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1839308.3	103.1	%	0.61				0.59%
ScR 361.383	157026.1	107.1	%	1.14				1.07%
Ag 328.068†	-470.6	-0.00013	mg/L	0.000208	-0.00026	mg/L	0.000416	161.44%
Al 308.215†	90219.7	53.77	mg/L	0.117	107.5	mg/L	0.23	0.22%
As 188.979†	59.1	0.02992	mg/L	0.001873	0.05984	mg/L	0.003745	6.26%
B 249.677†	258.8	0.1362	mg/L	0.00454	0.2725	mg/L	0.00908	3.33%
Ba 233.527†	1360.6	0.2340	mg/L	0.00204	0.4680	mg/L	0.00409	0.87%
Be 313.042†	338.3	0.00068	mg/L	0.000066	0.00136	mg/L	0.000132	9.70%
Ca 317.933†	345565.1	33.37	mg/L	0.175	66.74	mg/L	0.350	0.52%
Cd 228.802†	162.0	0.00355	mg/L	0.000074	0.00711	mg/L	0.000148	2.08%
Co 228.616†	1786.6	0.02254	mg/L	0.000383	0.04508	mg/L	0.000766	1.70%
Cr 267.716†	709.5	0.1695	mg/L	0.00119	0.3389	mg/L	0.00239	0.70%
Cu 324.752†	53582.1	0.2498	mg/L	0.00180	0.4997	mg/L	0.00359	0.72%
Fe 273.955†	102525.1	82.61	mg/L	0.307	165.2	mg/L	0.61	0.37%
K 766.490†	10706.4	7.844	mg/L	0.0251	15.69	mg/L	0.050	0.32%
Mg 279.077†	42609.0	33.93	mg/L	0.155	67.86	mg/L	0.311	0.46%
Mn 257.610†	32985.8	1.125	mg/L	0.0039	2.250	mg/L	0.0077	0.34%
Mo 202.031†	244.0	0.04004	mg/L	0.000951	0.08009	mg/L	0.001903	2.38%
Na 589.592†	88514.1	42.85	mg/L	0.325	85.70	mg/L	0.650	0.76%
Na 330.237†	981.1	43.24	mg/L	0.758	86.49	mg/L	1.516	1.75%
Ni 231.604†	153.9	0.1239	mg/L	0.00206	0.2478	mg/L	0.00411	1.66%
Pb 220.353†	1136.3	0.1712	mg/L	0.00167	0.3423	mg/L	0.00334	0.97%
Sb 206.836†	-21.0	0.00020	mg/L	0.001648	0.00040	mg/L	0.003296	829.16%
Se 196.026†	-51.2	-0.01998	mg/L	0.002127	-0.03996	mg/L	0.004253	10.64%
Si 288.158†	3370.5	1.934	mg/L	0.0229	3.868	mg/L	0.0458	1.18%
Sn 189.927†	19.1	0.00429	mg/L	0.000087	0.00858	mg/L	0.000174	2.03%
Sr 421.552†	69364.4	0.2240	mg/L	0.00025	0.4479	mg/L	0.00050	0.11%
Ti 334.903†	101538.2	4.839	mg/L	0.0194	9.679	mg/L	0.0389	0.40%
Tl 190.801†	-1.2	-0.00832	mg/L	0.003477	-0.01663	mg/L	0.006953	41.81%
V 292.402†	23323.8	0.1856	mg/L	0.00124	0.3713	mg/L	0.00249	0.67%
Zn 206.200†	342.3	0.3215	mg/L	0.00042	0.6430	mg/L	0.00084	0.13%

Sequence No.: 54
Sample ID: LR71 H SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 69
Date Collected: 10/9/2007 8:25:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 H SWC

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

RERUN

Mean Data: LR71 H SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1821661.3	102.1	%	0.82				0.80%
ScR 361.383	156326.7	106.6	%	0.68				0.63%
Ag 328.068†	-2042.1	0.00110	mg/L	0.000260	0.00220	mg/L	0.000519	23.64%
Al 308.215†	145639.3	86.80	mg/L	0.165	173.6	mg/L	0.33	0.19%
As 188.979†	174.5	0.1180	mg/L	0.00331	0.2360	mg/L	0.00663	2.81%
B 249.677†	348.4	0.2082	mg/L	0.00339	0.4164	mg/L	0.00678	1.63%
Ba 233.527†	1717.6	0.2840	mg/L	0.00300	0.5681	mg/L	0.00600	1.06%
Be 313.042†	450.1	0.00066	mg/L	0.000046	0.00133	mg/L	0.000092	6.94%
Ca 317.933†	454785.8	43.92	mg/L	0.131	87.84	mg/L	0.262	0.30%
Cd 228.802†	108.4	0.00166	mg/L	0.000124	0.00332	mg/L	0.000247	7.44%
Co 228.616†	3946.1	0.05452	mg/L	0.000718	0.1090	mg/L	0.00144	1.32%
Cr 267.716†	1013.7	0.2478	mg/L	0.00376	0.4955	mg/L	0.00751	1.52%
Cu 324.752†	290719.2	~~1.357~~	~~mg/L~~	0.0038	2.714	mg/L	0.0075	0.28%
Fe 273.955†	508769.2	410.0	mg/L	0.90	819.9	mg/L	1.80	0.22%
K 766.490†	16165.7	~~11.84~~	~~mg/L~~	0.061	23.69	mg/L	0.123	0.52%
Mg 279.077†	65694.4	52.21	mg/L	0.156	104.4	mg/L	0.31	0.30%
Mn 257.610†	90348.7	3.085	mg/L	0.0044	6.170	mg/L	0.0089	0.14%
Mo 202.031†	263.1	0.04436	mg/L	0.000736	0.08872	mg/L	0.001471	1.66%
Na 589.592†	84212.0	40.77	mg/L	0.135	81.54	mg/L	0.270	0.33%
Na 330.237†	948.4	41.95	mg/L	0.552	83.89	mg/L	1.105	1.32%
Ni 231.604†	345.5	0.2782	mg/L	0.00476	0.5565	mg/L	0.00953	1.71%
Pb 220.353†	16609.8	2.346	mg/L	0.0201	4.692	mg/L	0.0401	0.86%
Sb 206.836†	65.4	0.04544	mg/L	0.003874	0.09089	mg/L	0.007747	8.52%
Se 196.026†	-131.9	-0.03058	mg/L	0.009896	-0.06117	mg/L	0.019792	32.36%
Si 288.158†	2499.4	1.434	mg/L	0.0062	2.868	mg/L	0.0125	0.43%
Sn 189.927†	312.9	0.07204	mg/L	0.000432	0.1441	mg/L	0.00086	0.60%
Sr 421.552†	127683.2	0.4099	mg/L	0.00053	0.8197	mg/L	0.00106	0.13%
Ti 334.903†	136158.3	6.489	mg/L	0.0162	12.98	mg/L	0.032	0.25%
Tl 190.801†	-42.4	-0.03297	mg/L	0.003924	-0.06594	mg/L	0.007848	11.90%
V 292.402†	43614.3	0.3287	mg/L	0.00075	0.6574	mg/L	0.00151	0.23%
Zn 206.200†	1747.1	1.638	mg/L	0.0172	3.275	mg/L	0.0344	1.05%

Sequence No.: 55
Sample ID: LR71 I SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 70
Date Collected: 10/9/2007 8:31:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 I SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR71 I SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1811214.5	101.5	%	0.15				0.15%
ScR 361.383	153879.9	104.9	%	0.56				0.54%
Ag 328.068†	-280.9	0.00017	mg/L	0.000245	0.00035	mg/L	0.000491	140.73%
Al 308.215†	65984.8	39.33	mg/L	0.203	78.65	mg/L	0.405	0.52%
As 188.979†	68.3	0.04377	mg/L	0.006364	0.08754	mg/L	0.012727	14.54%
B 249.677†	109.4	0.05939	mg/L	0.003446	0.1188	mg/L	0.00689	5.80%
Ba 233.527†	602.5	0.1028	mg/L	0.00050	0.2057	mg/L	0.00100	0.49%
Be 313.042†	236.3	0.00049	mg/L	0.000055	0.00098	mg/L	0.000111	11.28%
Ca 317.933†	275045.0	26.56	mg/L	0.054	53.12	mg/L	0.109	0.21%
Cd 228.802†	153.8	0.00330	mg/L	0.000104	0.00660	mg/L	0.000209	3.16%
Co 228.616†	1310.5	0.01763	mg/L	0.000099	0.03525	mg/L	0.000197	0.56%
Cr 267.716†	362.5	0.08685	mg/L	0.000486	0.1737	mg/L	0.00097	0.56%
Cu 324.752†	187014.4	0.8533	mg/L	0.00472	1.707	mg/L	0.0094	0.55%
Fe 273.955†	70492.1	56.80	mg/L	0.199	113.6	mg/L	0.40	0.35%
K 766.490†	7896.9	5.785	mg/L	0.0858	11.57	mg/L	0.172	1.48%
Mg 279.077†	29634.9	23.60	mg/L	0.091	47.20	mg/L	0.182	0.39%
Mn 257.610†	22128.2	0.7547	mg/L	0.00202	1.509	mg/L	0.0040	0.27%
Mo 202.031†	147.1	0.02428	mg/L	0.000154	0.04856	mg/L	0.000307	0.63%
Na 589.592†	69021.5	33.42	mg/L	0.163	66.83	mg/L	0.327	0.49%
Na 330.237†	770.9	33.84	mg/L	0.902	67.68	mg/L	1.803	2.66%
Ni 231.604†	80.4	0.06476	mg/L	0.001050	0.1295	mg/L	0.00210	1.62%
Pb 220.353†	1635.6	0.2386	mg/L	0.00103	0.4771	mg/L	0.00207	0.43%
Sb 206.836†	-12.1	0.00108	mg/L	0.001587	0.00215	mg/L	0.003174	147.59%
Se 196.026†	-25.0	-0.00392	mg/L	0.004105	-0.00783	mg/L	0.008211	104.83%
Si 288.158†	3327.5	1.909	mg/L	0.0094	3.818	mg/L	0.0188	0.49%
Sn 189.927†	71.3	0.02034	mg/L	0.000150	0.04067	mg/L	0.000300	0.74%
Sr 421.552†	44609.6	0.1440	mg/L	0.00072	0.2880	mg/L	0.00143	0.50%
Ti 334.903†	63792.1	3.040	mg/L	0.0128	6.081	mg/L	0.0256	0.42%
Tl 190.801†	4.7	-0.00275	mg/L	0.001511	-0.00550	mg/L	0.003021	54.92%
V 292.402†	15718.1	0.1250	mg/L	0.00065	0.2500	mg/L	0.00131	0.52%
Zn 206.200†	219.8	0.2065	mg/L	0.00292	0.4131	mg/L	0.00584	1.41%

Sequence No.: 56
Sample ID: LR71 J SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 71
Date Collected: 10/9/2007 8:37:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 J SWC

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: LR71 J SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1801485.8	101.0	%	1.71				1.70%
ScR 361.383	155079.7	105.7	%	0.73				0.69%
Ag 328.068†	-867.7	0.00007	mg/L	0.000561	0.00014	mg/L	0.001123	801.18%
Al 308.215†	159482.8	95.05	mg/L	0.492	190.1	mg/L	0.98	0.52%
As 188.979†	112.0	0.04552	mg/L	0.004562	0.09104	mg/L	0.009124	10.02%
B 249.677†	119.5	0.07300	mg/L	0.002238	0.1460	mg/L	0.00448	3.07%
Ba 233.527†	1606.7	0.2739	mg/L	0.00411	0.5478	mg/L	0.00821	1.50%
Be 313.042†	504.1	0.00084	mg/L	0.000027	0.00168	mg/L	0.000054	3.23%
Ca 317.933†	2940562.3	284.0	mg/L	0.96	567.9	mg/L	1.93	0.34%
Cd 228.802†	116.9	0.00218	mg/L	0.000107	0.00436	mg/L	0.000214	4.91%
Co 228.616†	3106.3	0.03933	mg/L	0.001332	0.07866	mg/L	0.002664	3.39%
Cr 267.716†	1046.1	0.2505	mg/L	0.00284	0.5011	mg/L	0.00568	1.13%
Cu 324.752†	70847.4	0.3349	mg/L	0.00721	0.6698	mg/L	0.01443	2.15%
Fe 273.955†	200527.0	161.6	mg/L	0.85	323.2	mg/L	1.69	0.52%
K 766.490†	11143.2	8.164	mg/L	0.0426	16.33	mg/L	0.085	0.52%
Mg 279.077†	75967.1	60.49	mg/L	0.285	121.0	mg/L	0.57	0.47%
Mn 257.610†	69309.3	2.365	mg/L	0.0105	4.729	mg/L	0.0209	0.44%
Mo 202.031†	205.7	0.02798	mg/L	0.000752	0.05597	mg/L	0.001503	2.69%
Na 589.592†	71844.0	34.78	mg/L	0.270	69.56	mg/L	0.539	0.78%
Na 330.237†	825.1	36.04	mg/L	0.414	72.09	mg/L	0.829	1.15%
Ni 231.604†	212.1	0.1708	mg/L	0.00455	0.3416	mg/L	0.00909	2.66%
Pb 220.353†	6904.0	0.9941	mg/L	0.02014	1.988	mg/L	0.0403	2.03%
Sb 206.836†	-7.8	0.01401	mg/L	0.001649	0.02803	mg/L	0.003298	11.77%
Se 196.026†	-103.7	-0.02012	mg/L	0.005898	-0.04025	mg/L	0.011797	29.31%
Si 288.158†	3306.8	1.897	mg/L	0.0250	3.795	mg/L	0.0500	1.32%
Sn 189.927†	-19.2	-0.00426	mg/L	0.002588	-0.00852	mg/L	0.005175	60.76%
Sr 421.552†	698205.8	2.262	mg/L	0.0051	4.524	mg/L	0.0102	0.23%
Ti 334.903†	172060.3	8.200	mg/L	0.0323	16.40	mg/L	0.065	0.39%
Tl 190.801†	-3.9	-0.01567	mg/L	0.001876	-0.03134	mg/L	0.003752	11.97%
V 292.402†	42678.9	0.3388	mg/L	0.00779	0.6777	mg/L	0.01559	2.30%
Zn 206.200†	504.0	0.4799	mg/L	0.00807	0.9599	mg/L	0.01614	1.68%

Sequence No.: 57
Sample ID: LR71 K SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 72
Date Collected: 10/9/2007 8:44:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 K SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR71 K SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1789139.9	100.3	%	0.43				0.43%
ScR 361.383	152763.7	104.2	%	0.79				0.75%
Ag 328.068†	-439.8	0.00094	mg/L	0.000413	0.00189	mg/L	0.000825	43.68%
Al 308.215†	83493.1	49.76	mg/L	0.178	99.52	mg/L	0.356	0.36%
As 188.979†	79.7	0.04921	mg/L	0.004221	0.09841	mg/L	0.008441	8.58%
B 249.677†	317.5	0.1677	mg/L	0.00456	0.3355	mg/L	0.00912	2.72%
Ba 233.527†	1316.1	0.2252	mg/L	0.00067	0.4505	mg/L	0.00134	0.30%
Be 313.042†	285.8	0.00049	mg/L	0.000040	0.00098	mg/L	0.000080	8.10%
Ca 317.933†	297113.4	28.69	mg/L	0.153	57.38	mg/L	0.305	0.53%
Cd 228.802†	192.3	0.00423	mg/L	0.000158	0.00846	mg/L	0.000317	3.74%
Co 228.616†	2542.7	0.03736	mg/L	0.000445	0.07471	mg/L	0.000889	1.19%
Cr 267.716†	1098.7	0.2622	mg/L	0.00211	0.5243	mg/L	0.00423	0.81%
Cu 324.752†	148920.0	0.6851	mg/L	0.00544	1.370	mg/L	0.0109	0.79%
Fe 273.955†	135463.9	109.2	mg/L	0.18	218.3	mg/L	0.36	0.16%
K 766.490†	10311.3	7.554	mg/L	0.0465	15.11	mg/L	0.093	0.62%
Mg 279.077†	45234.9	36.01	mg/L	0.120	72.03	mg/L	0.240	0.33%
Mn 257.610†	36251.9	1.237	mg/L	0.0029	2.474	mg/L	0.0057	0.23%
Mo 202.031†	274.8	0.04484	mg/L	0.001123	0.08968	mg/L	0.002245	2.50%
Na 589.592†	94037.8	45.53	mg/L	0.218	91.05	mg/L	0.436	0.48%
Na 330.237†	1076.2	47.14	mg/L	0.305	94.27	mg/L	0.610	0.65%
Ni 231.604†	443.2	0.3569	mg/L	0.00465	0.7138	mg/L	0.00931	1.30%
Pb 220.353†	2717.4	0.3914	mg/L	0.00294	0.7829	mg/L	0.00588	0.75%
Sb 206.836†	3.6	0.00984	mg/L	0.002602	0.01968	mg/L	0.005204	26.44%
Se 196.026†	-50.7	-0.01638	mg/L	0.001286	-0.03275	mg/L	0.002571	7.85%
Si 288.158†	3495.9	2.006	mg/L	0.0145	4.012	mg/L	0.0290	0.72%
Sn 189.927†	404.4	0.1175	mg/L	0.00119	0.2350	mg/L	0.00238	1.01%
Sr 421.552†	65679.5	0.2118	mg/L	0.00099	0.4235	mg/L	0.00198	0.47%
Ti 334.903†	90592.4	4.318	mg/L	0.0226	8.635	mg/L	0.0452	0.52%
Tl 190.801†	-7.4	-0.01092	mg/L	0.000953	-0.02185	mg/L	0.001907	8.73%
V 292.402†	23758.3	0.1883	mg/L	0.00192	0.3766	mg/L	0.00385	1.02%
Zn 206.200†	731.6	0.6859	mg/L	0.00145	1.372	mg/L	0.0029	0.21%

Sequence No.: 58
Sample ID: LR71 L SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 73
Date Collected: 10/9/2007 8:51:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 L SWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LR71 L SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1792433.9	100.4	%	0.59				0.58%
ScR 361.383	153911.1	104.9	%	0.59				0.56%
Ag 328.068†	-755.7	0.00075	mg/L	0.000301	0.00150	mg/L	0.000602	40.13%
Al 308.215†	121032.5	72.13	mg/L	0.214	144.3	mg/L	0.43	0.30%
As 188.979†	85.1	0.04718	mg/L	0.003050	0.09437	mg/L	0.006099	6.46%
B 249.677†	162.3	0.09452	mg/L	0.001131	0.1890	mg/L	0.00226	1.20%
Ba 233.527†	6730.6	1.167	mg/L	0.0087	2.334	mg/L	0.0175	0.75%
Be 313.042†	340.6	0.00056	mg/L	0.000064	0.00112	mg/L	0.000129	11.47%
Ca 317.933†	320887.6	30.99	mg/L	0.170	61.98	mg/L	0.340	0.55%
Cd 228.802†	101.9	0.00202	mg/L	0.000026	0.00404	mg/L	0.000052	1.29%
Co 228.616†	3013.6	0.04232	mg/L	0.000278	0.08464	mg/L	0.000556	0.66%
Cr 267.716†	1147.1	0.2746	mg/L	0.00285	0.5491	mg/L	0.00570	1.04%
Cu 324.752†	98805.6	0.4624	mg/L	0.00493	0.9247	mg/L	0.00986	1.07%
Fe 273.955†	200653.2	161.7	mg/L	0.73	323.4	mg/L	1.45	0.45%
K 766.490†	8495.7	6.224	mg/L	0.0489	12.45	mg/L	0.098	0.79%
Mg 279.077†	54732.7	43.57	mg/L	0.196	87.13	mg/L	0.391	0.45%
Mn 257.610†	51898.6	1.771	mg/L	0.0099	3.542	mg/L	0.0198	0.56%
Mo 202.031†	632.4	0.1022	mg/L	0.00076	0.2045	mg/L	0.00153	0.75%
Na 589.592†	74863.2	36.24	mg/L	0.165	72.49	mg/L	0.330	0.46%
Na 330.237†	835.8	36.93	mg/L	0.533	73.86	mg/L	1.065	1.44%
Ni 231.604†	370.2	0.2979	mg/L	0.00362	0.5959	mg/L	0.00723	1.21%
Pb 220.353†	6444.9	0.9221	mg/L	0.00758	1.844	mg/L	0.0152	0.82%
Sb 206.836†	9.5	0.01563	mg/L	0.003382	0.03126	mg/L	0.006765	21.64%
Se 196.026†	-67.2	-0.01856	mg/L	0.001700	-0.03712	mg/L	0.003400	9.16%
Si 288.158†	2368.8	1.359	mg/L	0.0215	2.719	mg/L	0.0430	1.58%
Sn 189.927†	93.8	0.02209	mg/L	0.000676	0.04419	mg/L	0.001352	3.06%
Sr 421.552†	63012.7	0.2025	mg/L	0.00087	0.4051	mg/L	0.00174	0.43%
Ti 334.903†	120761.6	5.755	mg/L	0.0166	11.51	mg/L	0.033	0.29%
Tl 190.801†	-12.8	-0.01549	mg/L	0.003344	-0.03098	mg/L	0.006688	21.59%
V 292.402†	29043.0	0.2275	mg/L	0.00227	0.4551	mg/L	0.00453	1.00%
Zn 206.200†	1023.8	0.9597	mg/L	0.01054	1.919	mg/L	0.0211	1.10%

Sequence No.: 59
Sample ID: CV
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 10/9/2007 8:57:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1738805.4	97.44	%	0.703				0.72%
ScR 361.383	148688.8	101.4	%	0.68				0.67%
Ag 328.068†	161968.1	0.9988	mg/L	0.01909	0.9988	mg/L	0.01909	1.91%
Al 308.215†	3265.3	1.909	mg/L	0.0092	1.909	mg/L	0.0092	0.48%
As 188.979†	2300.3	1.941	mg/L	0.0203	1.941	mg/L	0.0203	1.05%
B 249.677†	1887.1	0.9425	mg/L	0.00534	0.9425	mg/L	0.00534	0.57%
Ba 233.527†	5405.2	0.9420	mg/L	0.00529	0.9420	mg/L	0.00529	0.56%
Be 313.042†	270687.4	0.9669	mg/L	0.00701	0.9669	mg/L	0.00701	0.72%
Ca 317.933†	20706.1	1.999	mg/L	0.0140	1.999	mg/L	0.0140	0.70%
Cd 228.802†	41286.5	0.9729	mg/L	0.01798	0.9729	mg/L	0.01798	1.85%
Co 228.616†	50439.4	0.9464	mg/L	0.01542	0.9464	mg/L	0.01542	1.63%
Cr 267.716†	3979.6	0.9425	mg/L	0.00447	0.9425	mg/L	0.00447	0.47%
Cu 324.752†	229501.1	1.041	mg/L	0.0174	1.041	mg/L	0.0174	1.67%
Fe 273.955†	2412.8	1.941	mg/L	0.0142	1.941	mg/L	0.0142	0.73%
K 766.490†	27254.8	19.97	mg/L	0.178	19.97	mg/L	0.178	0.89%
Mg 279.077†	2471.2	1.973	mg/L	0.0207	1.973	mg/L	0.0207	1.05%
Mn 257.610†	28388.7	0.9698	mg/L	0.00294	0.9698	mg/L	0.00294	0.30%
Mo 202.031†	5853.8	0.9224	mg/L	0.00721	0.9224	mg/L	0.00721	0.78%
Na 589.592†	99913.6	48.37	mg/L	0.301	48.37	mg/L	0.301	0.62%
Na 330.237†	1143.5	49.20	mg/L	0.229	49.20	mg/L	0.229	0.47%
Ni 231.604†	1184.2	0.9553	mg/L	0.00095	0.9553	mg/L	0.00095	0.10%
Pb 220.353†	13906.2	1.969	mg/L	0.0341	1.969	mg/L	0.0341	1.73%
Sb 206.836†	4083.9	1.919	mg/L	0.0161	1.919	mg/L	0.0161	0.84%
Se 196.026†	2100.9	1.862	mg/L	0.0193	1.862	mg/L	0.0193	1.04%
Si 288.158†	3517.6	2.021	mg/L	0.0064	2.021	mg/L	0.0064	0.32%
Sn 189.927†	2897.4	0.8659	mg/L	0.01105	0.8659	mg/L	0.01105	1.28%
Sr 421.552†	293307.0	0.9509	mg/L	0.00961	0.9509	mg/L	0.00961	1.01%
Ti 334.903†	20197.3	0.9617	mg/L	0.00819	0.9617	mg/L	0.00819	0.85%
Tl 190.801†	3983.0	1.880	mg/L	0.0151	1.880	mg/L	0.0151	0.80%
V 292.402†	116155.9	0.9806	mg/L	0.01822	0.9806	mg/L	0.01822	1.86%
Zn 206.200†	1060.6	0.9928	mg/L	0.00591	0.9928	mg/L	0.00591	0.60%

Sequence No.: 60
Sample ID: CB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/9/2007 9:04:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1735046.8	97.23	%	0.575				0.59%
ScR 361.383	146032.2	99.57	%	0.349				0.35%
Ag 328.068†	90.2	0.00056	mg/L	0.000320	0.00056	mg/L	0.000320	57.53%
Al 308.215†	-1.9	-0.00119	mg/L	0.006843	-0.00119	mg/L	0.006843	576.48%
As 188.979†	3.9	0.00327	mg/L	0.000966	0.00327	mg/L	0.000966	29.55%
B 249.677†	12.2	0.00613	mg/L	0.002927	0.00613	mg/L	0.002927	47.75%
Ba 233.527†	5.2	0.00091	mg/L	0.000790	0.00091	mg/L	0.000790	86.51%
Be 313.042†	63.3	0.00023	mg/L	0.000070	0.00023	mg/L	0.000070	30.79%
Ca 317.933†	48.7	0.00471	mg/L	0.003134	0.00471	mg/L	0.003134	66.60%
Cd 228.802†	5.4	0.00011	mg/L	0.000160	0.00011	mg/L	0.000160	150.05%
Co 228.616†	5.6	0.00011	mg/L	0.000127	0.00011	mg/L	0.000127	118.74%
Cr 267.716†	-3.3	-0.00079	mg/L	0.000860	-0.00079	mg/L	0.000860	109.46%
Cu 324.752†	125.4	0.00057	mg/L	0.000305	0.00057	mg/L	0.000305	53.62%
Fe 273.955†	-2.9	-0.00232	mg/L	0.001361	-0.00232	mg/L	0.001361	58.70%
K 766.490†	110.8	0.08120	mg/L	0.030734	0.08120	mg/L	0.030734	37.85%
Mg 279.077†	23.3	0.01854	mg/L	0.012719	0.01854	mg/L	0.012719	68.62%
Mn 257.610†	6.2	0.00021	mg/L	0.000126	0.00021	mg/L	0.000126	59.11%
Mo 202.031†	6.6	0.00105	mg/L	0.001407	0.00105	mg/L	0.001407	134.55%
Na 589.592†	82.2	0.03980	mg/L	0.017780	0.03980	mg/L	0.017780	44.67%
Na 330.237†	-6.5	-0.2801	mg/L	0.36663	-0.2801	mg/L	0.36663	130.88%
Ni 231.604†	1.1	0.00087	mg/L	0.002302	0.00087	mg/L	0.002302	263.59%
Pb 220.353†	18.3	0.00259	mg/L	0.001142	0.00259	mg/L	0.001142	44.14%
Sb 206.836†	-5.9	-0.00277	mg/L	0.002019	-0.00277	mg/L	0.002019	72.81%
Se 196.026†	0.1	0.00006	mg/L	0.002116	0.00006	mg/L	0.002116	>999.9%
Si 288.158†	-10.4	-0.00598	mg/L	0.006628	-0.00598	mg/L	0.006628	110.86%
Sn 189.927†	6.7	0.00199	mg/L	0.000244	0.00199	mg/L	0.000244	12.28%
Sr 421.552†	-262.6	-0.00085	mg/L	0.000351	-0.00085	mg/L	0.000351	41.18%
Ti 334.903†	-21.1	-0.00101	mg/L	0.001576	-0.00101	mg/L	0.001576	156.43%
Tl 190.801†	14.0	0.00664	mg/L	0.001980	0.00664	mg/L	0.001980	29.81%
V 292.402†	31.6	0.00027	mg/L	0.000229	0.00027	mg/L	0.000229	86.52%
Zn 206.200†	0.7	0.00065	mg/L	0.003604	0.00065	mg/L	0.003604	555.21%

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OPTIMA ICP SAMPLE RUN LOG

IEC Date: 9.11.07 Analysis Date: 10.10.07 Analyst: BW

LR Date: 6.29.07 Page: 1 of 4

All corrections made by analyst unless otherwise noted.

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		std 0			2419-11
		2			-12
		3			-13
		4			-14
		5			-15
		ICV			2405-7
		ICB			
		ZZZZZZ			
		std 0			
		CCV1			Sn low
		CCB1			
		CR1			Ni 170%
		ICSA			
		ICSAB			~~Sn~~ 10.11
		CCV2			
		CCB2			
		LS34 MB	TWC		
		LS96 MB	LEW	5	
		B			
		Adp			✓
		A			
		Asph		✓	0.08ml ICP sph /8ml
		LS34 A	TWC		
		↓ Asph	↓	✓	Mn STL

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Analytical Chemists and Consultants

OPTIMA ICP SAMPLE RUN LOG

IEC Date: — Analysis Date: 10/10/07 Analyst: BLW

LR Date: — Page: 2 of 4

All corrections made by analyst unless otherwise noted.

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		LR71 H	SWC	2	✓
		LS34 MBSph	TWC	✓	
		CCV3			Sn low
		CCB3			end package
		~~LS25 MB~~	~~TWC~~		
		LS39 MB1	↓		
		LS41 MB	↓		
		LS29 MB	WHN		
	✓	↓ A	↓		Ca Sc high-rerun 1/5
		LS25 A	TWC		rerun to check C.O.
		LS39 A	↓		↓
		↓ MB1Sph	↓	✓	
		LS25 MBSph	↓	✓	
		LS29 MBSph	WHN	✓	0.08ml ICBSph/8ml
		CCV			Sn low
		CCB			
		tube test			
		LS84 MB	SWC	2	
		LS44 I	TWC		
		LS41 A	↓		
		↓ B	↓		
		↓ C	↓		
		LS84 A	SWC	2	
		↓ MBSph	↓	↓ ✓	10/11/07

ANALYTICAL RESOURCES INCORPORATED

Metals Data Review Checklist

Method: (ICP) ICP-MS GFA CVA **Analysis Date:** 10.10.07

	Analyst BWD 10.10	Peer HJ 10-11	Comment
Logbook:			
Analyst, Date, Method info	✓	✓	
Sample ID's	✓	✓	
Standard/QC solution ID's recorded	✓	✓	
Prep codes	✓	✓	
Dilution factors	✓	✓	
Crossouts/Corrections/Deletions	✓	✓	
Calibration:			
Blank & Standard intensities	✓	✓	
Standard deviations	✓	✓	
Curve fit	✓	✓	
Calibration Verification:			
ICV/CCV	✓	✓	see log
ICB/CCB	✓	✓	
Samples:			
RSD's & SD's	✓	✓	
Internal Standards	✓	✓	
Carry-over	✓	✓	
Method QC:			
CRI/CRA	✓	✓	see log
ICSA/ICSAB	✓	✓	
Post Spikes/Serial Dilutions	—	—	
Analytic Spikes	—	—	
Matrix QC:			
SRM/LCS	✓	✓	
Matrix Spikes	✓	✓	see log
Matrix Duplicates	✓	✓	
Method Blanks	✓	✓	
Data Distribution:			
Requested elements/isotope identified	✓	✓	
Correct samples identified for distribution	✓	✓	
Raw data match distributed data	✓	✓	
Data filename correct	✓	✓	
Necessary Analysts Notes and CAF's	—	—	

✓ 10/11/07 MK

Nebulizer Parameters: Hg_ReAlign

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

10/10/2007 10:37:03 AM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): 0.000 Slit adjustment: 0

Analysis Begun

Start Time: 10/10/2007 10:37:49 AM
Logged In Analyst: metals
Plasma On Time: 10/10/2007 9:49:15 AM
Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N0060101Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\CRISET I.sif
Batch ID:
Results Data Set: PE071010
Results Library: C:\pe\Administrator\Results\Results.mdb

Method Loaded
Method Name: ARIIEC6
Method Last Saved: 9/12/2007 7:12:16 AM
IEC File: IEC33MC.iec
MSF File:
Method Description: 12Axial Elements

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Al 308.215	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
B 249.677	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ba 233.527	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Be 313.042	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Cd 228.802	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Cr 267.716	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Cu 324.752	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Fe 273.955	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	ScR 361.383	No
Mg 279.077	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Na 589.592	Lin Thru 0	Peak Area	Radial	ScR 361.383	No
Na 330.237	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ni 231.604	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Si 288.158	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Sr 421.552	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ti 334.903	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Tl 190.801	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
V 292.402	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Zn 206.200	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
ScA 357.253	Lin, Calc Int	Peak Area	Axial	n/a	n/a
ScR 361.383	Lin, Calc Int	Peak Area	Radial	n/a	n/a

Sequence No.: 1
Sample ID: Calib Blank 1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 10/10/2007 10:37:50 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Calib Blank 1

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1827485.5	5916.07	0.32%	100.0	%
ScR 361.383	153044.0	3173.89	2.07%	100.0	%
Ag 328.068†	4441.5	67.84	1.53%	[0.00]	mg/L
Al 308.215†	-224.1	21.65	9.66%	[0.00]	mg/L
As 188.979†	69.6	3.59	5.16%	[0.00]	mg/L
B 249.677†	78.7	9.07	11.52%	[0.00]	mg/L
Ba 233.527†	20.8	3.03	14.60%	[0.00]	mg/L
Be 313.042†	1163.8	48.67	4.18%	[0.00]	mg/L
Ca 317.933†	231.1	6.98	3.02%	[0.00]	mg/L
Cd 228.802†	16.6	7.18	43.40%	[0.00]	mg/L
Co 228.616†	450.8	8.20	1.82%	[0.00]	mg/L
Cr 267.716†	-73.8	7.03	9.52%	[0.00]	mg/L
Cu 324.752†	2616.9	18.42	0.70%	[0.00]	mg/L
Fe 273.955†	-167.8	4.77	2.84%	[0.00]	mg/L
K 766.490†	2034.1	25.93	1.27%	[0.00]	mg/L
Mg 279.077†	-6.5	22.07	338.24%	[0.00]	mg/L
Mn 257.610†	82.3	3.24	3.94%	[0.00]	mg/L
Mo 202.031†	-130.3	1.85	1.42%	[0.00]	mg/L
Na 589.592†	373.7	26.84	7.18%	[0.00]	mg/L
Na 330.237†	97.9	23.42	23.91%	[0.00]	mg/L
Ni 231.604†	-0.4	7.11	>999.9%	[0.00]	mg/L
Pb 220.353†	274.6	4.87	1.77%	[0.00]	mg/L
Sb 206.836†	-18.7	2.73	14.64%	[0.00]	mg/L
Se 196.026†	-107.0	5.55	5.18%	[0.00]	mg/L
Si 288.158†	-53.7	15.47	28.83%	[0.00]	mg/L
Sn 189.927†	41.1	3.41	8.29%	[0.00]	mg/L
Sr 421.552†	-6756.8	105.96	1.57%	[0.00]	mg/L
Ti 334.903†	-246.5	31.94	12.95%	[0.00]	mg/L
Tl 190.801†	-52.5	0.87	1.67%	[0.00]	mg/L
V 292.402†	561.2	24.67	4.40%	[0.00]	mg/L
Zn 206.200†	-20.1	3.51	17.46%	[0.00]	mg/L

Sequence No.: 2
Sample ID: STD2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 10/10/2007 10:44:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD2

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: STD2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1845734.9	2713.13	0.15%	101.0	%
ScR 361.383	156386.2	970.78	0.62%	102.2	%
Ba 233.527†	55373.3	159.64	0.29%	[10]	mg/L
Cd 228.802†	389940.2	1641.37	0.42%	[10]	mg/L
Co 228.616†	512084.0	654.31	0.13%	[10]	mg/L
Cr 267.716†	41060.5	19.03	0.05%	[10]	mg/L
Cu 324.752†	2147579.4	1918.21	0.09%	[10]	mg/L
Mn 257.610†	292926.8	684.43	0.23%	[10]	mg/L
V 292.402†	1160212.4	2628.91	0.23%	[10]	mg/L

Sequence No.: 3
Sample ID: STD3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/10/2007 10:48:44 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD3

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: STD3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1817685.3	18648.16	1.03%	99.46	%
ScR 361.383	156900.2	311.95	0.20%	102.5	%
Ag 328.068†	160664.0	252.04	0.16%	[1.0]	mg/L
As 188.979†	11746.6	77.18	0.66%	[10]	mg/L
B 249.677†	19197.6	76.67	0.40%	[10]	mg/L
Be 313.042†	1345815.5	901.94	0.07%	[5.0]	mg/L
Na 589.592†	100609.1	341.72	0.34%	[50]	mg/L
Ni 231.604†	12107.5	40.43	0.33%	[10]	mg/L
Pb 220.353†	68903.2	331.58	0.48%	[10]	mg/L
Se 196.026†	10590.9	34.44	0.33%	[10]	mg/L
Sr 421.552†	1459439.0	2703.62	0.19%	[5]	mg/L
Tl 190.801†	20319.4	59.67	0.29%	[10]	mg/L
Zn 206.200†	10603.5	41.81	0.39%	[10]	mg/L

Sequence No.: 4
Sample ID: STD4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 10/10/2007 10:53:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD4

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: STD4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1852358.1	18100.28	0.98%	101.4	%
ScR 361.383	157161.9	426.50	0.27%	102.7	%
Mo 202.031†	59660.9	805.69	1.35%	[10]	mg/L
Sb 206.836†	20194.8	274.61	1.36%	[10]	mg/L
Si 288.158†	17375.7	32.07	0.18%	[10]	mg/L
Sn 189.927†	31353.6	454.25	1.45%	[10]	mg/L
Ti 334.903†	200494.7	700.38	0.35%	[10]	mg/L

Sequence No.: 5
Sample ID: STD5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 10/10/2007 10:58:24 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD5

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: STD5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1800251.4	6482.07	0.36%	98.51	%
ScR 361.383	154267.1	956.96	0.62%	100.8	%
Al 308.215†	49026.4	56.74	0.12%	[30]	mg/L
Ca 317.933†	301177.5	572.27	0.19%	[30]	mg/L
Fe 273.955†	121183.2	229.17	0.19%	[100]	mg/L
K 766.490†	130422.4	844.42	0.65%	[100]	mg/L
Mg 279.077†	37091.3	40.29	0.11%	[30]	mg/L
Na 330.237†	2219.4	7.64	0.34%	[100]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	160700	0.00000	1.000000	
Al 308.215	1	Lin Thru 0	0.0	1634	0.00000	1.000000	
As 188.979	1	Lin Thru 0	0.0	1175	0.00000	1.000000	
B 249.677	1	Lin Thru 0	0.0	1920	0.00000	1.000000	
Ba 233.527	1	Lin Thru 0	0.0	5537	0.00000	1.000000	
Be 313.042	1	Lin Thru 0	0.0	269200	0.00000	1.000000	
Ca 317.933	1	Lin Thru 0	0.0	10040	0.00000	1.000000	
Cd 228.802	1	Lin Thru 0	0.0	38990	0.00000	1.000000	
Co 228.616	1	Lin Thru 0	0.0	51210	0.00000	1.000000	
Cr 267.716	1	Lin Thru 0	0.0	4106	0.00000	1.000000	
Cu 324.752	1	Lin Thru 0	0.0	214800	0.00000	1.000000	
Fe 273.955	1	Lin Thru 0	0.0	1212	0.00000	1.000000	
K 766.490	1	Lin Thru 0	0.0	1304	0.00000	1.000000	
Mg 279.077	1	Lin Thru 0	0.0	1236	0.00000	1.000000	
Mn 257.610	1	Lin Thru 0	0.0	29290	0.00000	1.000000	
Mo 202.031	1	Lin Thru 0	0.0	5966	0.00000	1.000000	
Na 589.592	1	Lin Thru 0	0.0	2012	0.00000	1.000000	
Na 330.237	1	Lin Thru 0	0.0	22.19	0.00000	1.000000	
Ni 231.604	1	Lin Thru 0	0.0	1211	0.00000	1.000000	
Pb 220.353	1	Lin Thru 0	0.0	6890	0.00000	1.000000	
Sb 206.836	1	Lin Thru 0	0.0	2019	0.00000	1.000000	
Se 196.026	1	Lin Thru 0	0.0	1059	0.00000	1.000000	
Si 288.158	1	Lin Thru 0	0.0	1738	0.00000	1.000000	
Sn 189.927	1	Lin Thru 0	0.0	3135	0.00000	1.000000	
Sr 421.552	1	Lin Thru 0	0.0	291900	0.00000	1.000000	
Ti 334.903	1	Lin Thru 0	0.0	20050	0.00000	1.000000	
Tl 190.801	1	Lin Thru 0	0.0	2032	0.00000	1.000000	
V 292.402	1	Lin Thru 0	0.0	116000	0.00000	1.000000	
Zn 206.200	1	Lin Thru 0	0.0	1060	0.00000	1.000000	

Nebulizer Parameters: Hg_ReAlign

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

10/10/2007 11:18:03 AM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): 0.000 Slit adjustment: 0

Analysis Begun

Start Time: 10/10/2007 11:18:28 AM
Logged In Analyst: metals
Spectrometer Model: Optima 4300 DV, S/N 077N0060101
Plasma On Time: 10/10/2007 9:49:15 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\1010A.sif
Batch ID:
Results Data Set: PE071010
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Sample ID: CV
Analyst: BLW
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 7
Date Collected: 10/10/2007 11:18:28 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1843008.0	100.8	%	1.06				1.05%
ScR 361.383	158673.9	103.7	%	1.34				1.29%
Ag 328.068†	162115.2	1.009	mg/L	0.0133	1.009	mg/L	0.0133	1.32%
Al 308.215†	3226.6	1.935	mg/L	0.0255	1.935	mg/L	0.0255	1.32%
As 188.979†	2334.9	1.985	mg/L	0.0299	1.985	mg/L	0.0299	1.51%
B 249.677†	1863.6	0.9691	mg/L	0.01199	0.9691	mg/L	0.01199	1.24%
Ba 233.527†	5331.4	0.9627	mg/L	0.01384	0.9627	mg/L	0.01384	1.44%
Be 313.042†	265536.8	0.9842	mg/L	0.00292	0.9842	mg/L	0.00292	0.30%
Ca 317.933†	20376.0	2.029	mg/L	0.0098	2.029	mg/L	0.0098	0.48%
Cd 228.802†	39749.8	1.006	mg/L	0.0103	1.006	mg/L	0.0103	1.02%
Co 228.616†	49723.0	0.9694	mg/L	0.01374	0.9694	mg/L	0.01374	1.42%
Cr 267.716†	3957.9	0.9639	mg/L	0.01467	0.9639	mg/L	0.01467	1.52%
Cu 324.752†	227338.6	1.059	mg/L	0.0135	1.059	mg/L	0.0135	1.28%
Fe 273.955†	2400.8	1.978	mg/L	0.0262	1.978	mg/L	0.0262	1.32%
K 766.490†	26300.2	20.17	mg/L	0.121	20.17	mg/L	0.121	0.60%
Mg 279.077†	2445.8	1.981	mg/L	0.0291	1.981	mg/L	0.0291	1.47%
Mn 257.610†	28723.2	0.9817	mg/L	0.00448	0.9817	mg/L	0.00448	0.46%
Mo 202.031†	5791.9	0.9707	mg/L	0.01138	0.9707	mg/L	0.01138	1.17%
Na 589.592†	98680.2	49.04	mg/L	0.084	49.04	mg/L	0.084	0.17%
Na 330.237†	1114.1	49.86	mg/L	0.936	49.86	mg/L	0.936	1.88%
Ni 231.604†	1177.4	0.9740	mg/L	0.01462	0.9740	mg/L	0.01462	1.50%
Pb 220.353†	13880.4	2.016	mg/L	0.0259	2.016	mg/L	0.0259	1.29%
Sb 206.836†	4048.0	2.002	mg/L	0.0236	2.002	mg/L	0.0236	1.18%
Se 196.026†	2051.0	1.936	mg/L	0.0148	1.936	mg/L	0.0148	0.77%
Si 288.158†	3516.4	2.026	mg/L	0.0275	2.026	mg/L	0.0275	1.36%
Sn 189.927†	2833.4	0.9040	mg/L	0.01238	0.9040	mg/L	0.01238	1.37%
Sr 421.552†	284372.7	0.9742	mg/L	0.01193	0.9742	mg/L	0.01193	1.23%
Ti 334.903†	19861.0	0.9896	mg/L	0.00534	0.9896	mg/L	0.00534	0.54%
Tl 190.801†	3920.5	1.917	mg/L	0.0175	1.917	mg/L	0.0175	0.91%
V 292.402†	116490.2	1.015	mg/L	0.0122	1.015	mg/L	0.0122	1.20%
Zn 206.200†	1053.2	0.9928	mg/L	0.01422	0.9928	mg/L	0.01422	1.43%

Sequence No.: 2
Sample ID: CB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/10/2007 11:25:02 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1845536.4	101.0	%	0.23				0.23%
ScR 361.383	157207.6	102.7	%	0.21				0.20%
Ag 328.068†	-147.9	-0.00092	mg/L	0.000206	-0.00092	mg/L	0.000206	22.36%
Al 308.215†	1.9	0.00112	mg/L	0.010277	0.00112	mg/L	0.010277	915.83%
As 188.979†	4.5	0.00380	mg/L	0.005542	0.00380	mg/L	0.005542	145.80%
B 249.677†	15.5	0.00808	mg/L	0.000579	0.00808	mg/L	0.000579	7.17%
Ba 233.527†	-1.7	-0.00031	mg/L	0.000556	-0.00031	mg/L	0.000556	182.07%
Be 313.042†	-14.8	-0.00006	mg/L	0.000093	-0.00006	mg/L	0.000093	168.48%
Ca 317.933†	-15.6	-0.00155	mg/L	0.000825	-0.00155	mg/L	0.000825	53.17%
Cd 228.802†	5.2	0.00011	mg/L	0.000147	0.00011	mg/L	0.000147	133.70%
Co 228.616†	-11.9	-0.00023	mg/L	0.000161	-0.00023	mg/L	0.000161	69.63%
Cr 267.716†	6.8	0.00166	mg/L	0.000490	0.00166	mg/L	0.000490	29.49%
Cu 324.752†	103.9	0.00048	mg/L	0.000180	0.00048	mg/L	0.000180	37.18%
Fe 273.955†	9.3	0.00768	mg/L	0.002261	0.00768	mg/L	0.002261	29.42%
K 766.490†	15.3	0.01169	mg/L	0.019751	0.01169	mg/L	0.019751	168.91%
Mg 279.077†	-7.9	-0.00641	mg/L	0.009634	-0.00641	mg/L	0.009634	150.28%
Mn 257.610†	11.0	0.00038	mg/L	0.000107	0.00038	mg/L	0.000107	28.40%
Mo 202.031†	10.3	0.00172	mg/L	0.000710	0.00172	mg/L	0.000710	41.31%
Na 589.592†	30.2	0.01501	mg/L	0.002185	0.01501	mg/L	0.002185	14.55%
Na 330.237†	2.0	0.09178	mg/L	0.651555	0.09178	mg/L	0.651555	709.89%
Ni 231.604†	1.7	0.00139	mg/L	0.002679	0.00139	mg/L	0.002679	192.31%
Pb 220.353†	10.1	0.00146	mg/L	0.001433	0.00146	mg/L	0.001433	97.87%
Sb 206.836†	1.9	0.00092	mg/L	0.001791	0.00092	mg/L	0.001791	193.98%
Se 196.026†	11.7	0.01102	mg/L	0.004207	0.01102	mg/L	0.004207	38.19%
Si 288.158†	8.2	0.00474	mg/L	0.004235	0.00474	mg/L	0.004235	89.36%
Sn 189.927†	7.6	0.00243	mg/L	0.000500	0.00243	mg/L	0.000500	20.52%
Sr 421.552†	210.2	0.00072	mg/L	0.000175	0.00072	mg/L	0.000175	24.26%
Ti 334.903†	-3.6	-0.00018	mg/L	0.000802	-0.00018	mg/L	0.000802	440.45%
Tl 190.801†	2.8	0.00136	mg/L	0.001461	0.00136	mg/L	0.001461	107.58%
V 292.402†	18.1	0.00018	mg/L	0.000055	0.00018	mg/L	0.000055	30.99%
Zn 206.200†	0.8	0.00075	mg/L	0.002186	0.00075	mg/L	0.002186	290.25%

Sequence No.: 3
Sample ID: CRI zzzzzz
Analyst: BLW
Initial Sample Wt: 10.10
Dilution: 1X

Autosampler Location: 21
Date Collected: 10/10/2007 11:31:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CRI

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1847827.3	101.1	%	1.09				1.07%
ScR 361.383	157681.5	103.0	%	0.51				0.49%
Ag 328.068†	431.8	0.00269	mg/L	0.000613	0.00269	mg/L	0.000613	22.79%
Al 308.215†	87.1	0.05307	mg/L	0.002195	0.05307	mg/L	0.002195	4.14%
As 188.979†	66.3	0.05645	mg/L	0.007900	0.05645	mg/L	0.007900	13.99%
B 249.677†	42.2	0.02200	mg/L	0.002888	0.02200	mg/L	0.002888	13.13%
Ba 233.527†	16.3	0.00295	mg/L	0.000798	0.00295	mg/L	0.000798	27.08%
Be 313.042†	257.1	0.00095	mg/L	0.000029	0.00095	mg/L	0.000029	3.07%
Ca 317.933†	519.3	0.05173	mg/L	0.000524	0.05173	mg/L	0.000524	1.01%
Cd 228.802†	89.2	0.00192	mg/L	0.000079	0.00192	mg/L	0.000079	4.12%
Co 228.616†	143.0	0.00279	mg/L	0.000152	0.00279	mg/L	0.000152	5.46%
Cr 267.716†	32.2	0.00784	mg/L	0.001160	0.00784	mg/L	0.001160	14.79%
Cu 324.752†	571.8	0.00267	mg/L	0.000170	0.00267	mg/L	0.000170	6.36%
Fe 273.955†	71.3	0.05880	mg/L	0.003453	0.05880	mg/L	0.003453	5.87%
K 766.490†	685.1	0.5253	mg/L	0.04868	0.5253	mg/L	0.04868	9.27%
Mg 279.077†	58.3	0.04715	mg/L	0.006960	0.04715	mg/L	0.006960	14.76%
Mn 257.610†	41.1	0.00141	mg/L	0.000116	0.00141	mg/L	0.000116	8.22%
Mo 202.031†	37.0	0.00619	mg/L	0.000777	0.00619	mg/L	0.000777	12.54%
Na 589.592†	1063.6	0.5286	mg/L	0.01059	0.5286	mg/L	0.01059	2.00%
Na 330.237†	9.6	0.4288	mg/L	0.93060	0.4288	mg/L	0.93060	217.05%
Ni 231.604†	15.3	0.01268	mg/L	0.002535	0.01268	mg/L	0.002535	19.99%
Pb 220.353†	134.6	0.01956	mg/L	0.000895	0.01956	mg/L	0.000895	4.58%
Sb 206.836†	107.2	0.05307	mg/L	0.002030	0.05307	mg/L	0.002030	3.82%
Se 196.026†	59.7	0.05635	mg/L	0.003672	0.05635	mg/L	0.003672	6.52%
Si 288.158†	116.3	0.06696	mg/L	0.008533	0.06696	mg/L	0.008533	12.74%
Sn 189.927†	34.9	0.01113	mg/L	0.000677	0.01113	mg/L	0.000677	6.08%
Sr 421.552†	480.1	0.00164	mg/L	0.000233	0.00164	mg/L	0.000233	14.18%
Ti 334.903†	100.3	0.00500	mg/L	0.000350	0.00500	mg/L	0.000350	7.01%
Tl 190.801†	96.1	0.04726	mg/L	0.002193	0.04726	mg/L	0.002193	4.64%
V 292.402†	373.6	0.00330	mg/L	0.000031	0.00330	mg/L	0.000031	0.94%
Zn 206.200†	12.7	0.01199	mg/L	0.001934	0.01199	mg/L	0.001934	16.13%

Analysis Begun

Start Time: 10/10/2007 11:37:27 AM
Plasma On Time: 10/10/2007 9:49:15 AM
Logged In Analyst: metals
Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N0060101Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\1010A.sif
Batch ID:
Results Data Set: PE071010
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 32
Autosampler Location:
Sample ID: Calib Blank 1
Date Collected: 10/10/2007 11:37:27 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Nebulizer Parameters: Calib Blank 1

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1858548.9	10511.08	0.57%	101.7	%
ScR 361.383	156327.4	1020.56	0.65%	102.1	%
Ag 328.068†	4333.9	27.56	0.64%	[0.00]	mg/L
Al 308.215†	-211.5	4.14	1.96%	[0.00]	mg/L
As 188.979†	67.8	3.05	4.50%	[0.00]	mg/L
B 249.677†	85.2	5.78	6.78%	[0.00]	mg/L
Ba 233.527†	20.4	0.99	4.88%	[0.00]	mg/L
Be 313.042†	1156.7	4.85	0.42%	[0.00]	mg/L
Ca 317.933†	244.2	22.96	9.40%	[0.00]	mg/L
Cd 228.802†	16.0	4.05	25.38%	[0.00]	mg/L
Co 228.616†	430.5	3.14	0.73%	[0.00]	mg/L
Cr 267.716†	-70.1	0.65	0.93%	[0.00]	mg/L
Cu 324.752†	2655.1	21.99	0.83%	[0.00]	mg/L
Fe 273.955†	-158.8	3.61	2.28%	[0.00]	mg/L
K 766.490†	2004.1	31.22	1.56%	[0.00]	mg/L
Mg 279.077†	-37.0	31.04	83.88%	[0.00]	mg/L
Mn 257.610†	90.3	3.03	3.35%	[0.00]	mg/L
Mo 202.031†	-125.9	5.35	4.25%	[0.00]	mg/L
Na 589.592†	401.2	14.93	3.72%	[0.00]	mg/L
Na 330.237†	101.0	19.53	19.35%	[0.00]	mg/L
Ni 231.604†	-1.9	4.11	220.23%	[0.00]	mg/L
Pb 220.353†	275.3	8.75	3.18%	[0.00]	mg/L
Sb 206.836†	-17.2	5.58	32.51%	[0.00]	mg/L
Se 196.026†	-96.9	2.36	2.43%	[0.00]	mg/L
Si 288.158†	-57.4	5.27	9.19%	[0.00]	mg/L
Sn 189.927†	48.6	3.70	7.62%	[0.00]	mg/L
Sr 421.552†	-6568.4	38.08	0.58%	[0.00]	mg/L
Ti 334.903†	-276.7	28.18	10.18%	[0.00]	mg/L
Tl 190.801†	-57.3	3.31	5.78%	[0.00]	mg/L
V 292.402†	567.7	17.35	3.06%	[0.00]	mg/L
Zn 206.200†	-18.7	1.82	9.73%	[0.00]	mg/L

Analysis Begun

Start Time: 10/10/2007 11:42:21 AM
Logged In Analyst: metals
Spectrometer Model: Optima 4300 DV, S/N 077N0060101
Plasma On Time: 10/10/2007 9:49:15 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\1010A.sif
Batch ID:
Results Data Set: PE071010
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Sample ID: CV
Analyst: BLW
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 7
Date Collected: 10/10/2007 11:42:21 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1837910.3	100.6	%	0.22				0.22%
ScR 361.383	159145.1	104.0	%	0.67				0.64%
Ag 328.068†	162826.2	1.014	mg/L	0.0061	1.014	mg/L	0.0061	0.61%
Al 308.215†	3184.9	1.910	mg/L	0.0143	1.910	mg/L	0.0143	0.75%
As 188.979†	2351.8	1.999	mg/L	0.0135	1.999	mg/L	0.0135	0.68%
B 249.677†	1852.1	0.9632	mg/L	0.00547	0.9632	mg/L	0.00547	0.57%
Ba 233.527†	5286.6	0.9546	mg/L	0.00809	0.9546	mg/L	0.00809	0.85%
Be 313.042†	264188.9	0.9792	mg/L	0.00383	0.9792	mg/L	0.00383	0.39%
Ca 317.933†	20301.2	2.022	mg/L	0.0083	2.022	mg/L	0.0083	0.41%
Cd 228.802†	39012.2	0.9875	mg/L	0.01055	0.9875	mg/L	0.01055	1.07%
Co 228.616†	49513.8	0.9653	mg/L	0.00766	0.9653	mg/L	0.00766	0.79%
Cr 267.716†	3946.4	0.9611	mg/L	0.00804	0.9611	mg/L	0.00804	0.84%
Cu 324.752†	227213.6	1.058	mg/L	0.0076	1.058	mg/L	0.0076	0.72%
Fe 273.955†	2373.3	1.955	mg/L	0.0140	1.955	mg/L	0.0140	0.72%
K 766.490†	26100.6	20.01	mg/L	0.066	20.01	mg/L	0.066	0.33%
Mg 279.077†	2453.6	1.988	mg/L	0.0174	1.988	mg/L	0.0174	0.87%
Mn 257.610†	28830.4	0.9853	mg/L	0.00123	0.9853	mg/L	0.00123	0.12%
Mo 202.031†	5751.4	0.9640	mg/L	0.00372	0.9640	mg/L	0.00372	0.39%
Na 589.592†	99116.9	49.26	mg/L	0.146	49.26	mg/L	0.146	0.30%
Na 330.237†	1092.5	48.89	mg/L	0.525	48.89	mg/L	0.525	1.07%
Ni 231.604†	1171.7	0.9693	mg/L	0.00627	0.9693	mg/L	0.00627	0.65%
Pb 220.353†	13600.8	1.975	mg/L	0.0098	1.975	mg/L	0.0098	0.50%
Sb 206.836†	4030.3	1.994	mg/L	0.0073	1.994	mg/L	0.0073	0.36%
Se 196.026†	2027.1	1.913	mg/L	0.0150	1.913	mg/L	0.0150	0.78%
Si 288.158†	3525.1	2.031	mg/L	0.0214	2.031	mg/L	0.0214	1.05%
Sn 189.927†	2797.0	0.8924	mg/L	0.00608	0.8924	mg/L	0.00608	0.68%
Sr 421.552†	279874.2	0.9587	mg/L	0.00342	0.9587	mg/L	0.00342	0.36%
Ti 334.903†	19707.4	0.9819	mg/L	0.00450	0.9819	mg/L	0.00450	0.46%
Tl 190.801†	3926.0	1.920	mg/L	0.0066	1.920	mg/L	0.0066	0.34%
V 292.402†	116214.2	1.013	mg/L	0.0067	1.013	mg/L	0.0067	0.66%
Zn 206.200†	1043.6	0.9837	mg/L	0.00870	0.9837	mg/L	0.00870	0.88%

Sequence No.: 2
Sample ID: CB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/10/2007 11:48:56 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1841003.7	100.7	%	0.37				0.37%
ScR 361.383	156961.9	102.6	%	0.95				0.93%
Ag 328.068†	25.5	0.00016	mg/L	0.000194	0.00016	mg/L	0.000194	122.16%
Al 308.215†	-12.4	-0.00759	mg/L	0.010444	-0.00759	mg/L	0.010444	137.59%
As 188.979†	6.7	0.00568	mg/L	0.002043	0.00568	mg/L	0.002043	35.97%
B 249.677†	5.1	0.00264	mg/L	0.000559	0.00264	mg/L	0.000559	21.14%
Ba 233.527†	-0.6	-0.00011	mg/L	0.000481	-0.00011	mg/L	0.000481	432.94%
Be 313.042†	17.0	0.00006	mg/L	0.000099	0.00006	mg/L	0.000099	158.36%
Ca 317.933†	-13.1	-0.00131	mg/L	0.001039	-0.00131	mg/L	0.001039	79.50%
Cd 228.802†	3.2	0.00005	mg/L	0.000126	0.00005	mg/L	0.000126	269.17%
Co 228.616†	10.7	0.00021	mg/L	0.000179	0.00021	mg/L	0.000179	85.86%
Cr 267.716†	3.9	0.00096	mg/L	0.000775	0.00096	mg/L	0.000775	80.67%
Cu 324.752†	20.1	0.00009	mg/L	0.000077	0.00009	mg/L	0.000077	82.43%
Fe 273.955†	1.3	0.00106	mg/L	0.000500	0.00106	mg/L	0.000500	47.12%
K 766.490†	72.4	0.05553	mg/L	0.014832	0.05553	mg/L	0.014832	26.71%
Mg 279.077†	31.6	0.02554	mg/L	0.015064	0.02554	mg/L	0.015064	58.99%
Mn 257.610†	5.4	0.00018	mg/L	0.000288	0.00018	mg/L	0.000288	157.35%
Mo 202.031†	3.2	0.00054	mg/L	0.000816	0.00054	mg/L	0.000816	149.95%
Na 589.592†	20.0	0.00996	mg/L	0.006582	0.00996	mg/L	0.006582	66.09%
Na 330.237†	-5.1	-0.2279	mg/L	0.69772	-0.2279	mg/L	0.69772	306.19%
Ni 231.604†	5.5	0.00451	mg/L	0.001242	0.00451	mg/L	0.001242	27.56%
Pb 220.353†	-4.7	-0.00069	mg/L	0.001546	-0.00069	mg/L	0.001546	225.59%
Sb 206.836†	1.4	0.00066	mg/L	0.000672	0.00066	mg/L	0.000672	101.82%
Se 196.026†	-2.2	-0.00207	mg/L	0.002174	-0.00207	mg/L	0.002174	105.16%
Si 288.158†	2.3	0.00135	mg/L	0.010065	0.00135	mg/L	0.010065	746.32%
Sn 189.927†	-1.1	-0.00034	mg/L	0.000316	-0.00034	mg/L	0.000316	94.38%
Sr 421.552†	1.5	0.00001	mg/L	0.000175	0.00001	mg/L	0.000175	>999.9%
Ti 334.903†	14.4	0.00072	mg/L	0.002299	0.00072	mg/L	0.002299	320.32%
Tl 190.801†	4.4	0.00219	mg/L	0.001974	0.00219	mg/L	0.001974	90.32%
V 292.402†	34.8	0.00031	mg/L	0.000069	0.00031	mg/L	0.000069	22.36%
Zn 206.200†	-0.4	-0.00036	mg/L	0.000588	-0.00036	mg/L	0.000588	163.30%

Sequence No.: 3
Sample ID: CRI
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 21
Date Collected: 10/10/2007 11:55:27 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CRI

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1848938.3	101.2	%	1.03				1.02%
ScR 361.383	158243.4	103.4	%	0.51				0.49%
Ag 328.068†	559.6	0.00348	mg/L	0.000045	0.00348	mg/L	0.000045	1.29%
Al 308.215†	73.9	0.04506	mg/L	0.011203	0.04506	mg/L	0.011203	24.86%
As 188.979†	66.8	0.05682	mg/L	0.002231	0.05682	mg/L	0.002231	3.93%
B 249.677†	34.2	0.01784	mg/L	0.004278	0.01784	mg/L	0.004278	23.98%
Ba 233.527†	15.5	0.00280	mg/L	0.000314	0.00280	mg/L	0.000314	11.22%
Be 313.042†	272.5	0.00101	mg/L	0.000025	0.00101	mg/L	0.000025	2.44%
Ca 317.933†	478.4	0.04765	mg/L	0.002705	0.04765	mg/L	0.002705	5.68%
Cd 228.802†	91.4	0.00198	mg/L	0.000042	0.00198	mg/L	0.000042	2.10%
Co 228.616†	162.8	0.00317	mg/L	0.000130	0.00317	mg/L	0.000130	4.12%
Cr 267.716†	22.3	0.00543	mg/L	0.000483	0.00543	mg/L	0.000483	8.89%
Cu 324.752†	500.8	0.00233	mg/L	0.000175	0.00233	mg/L	0.000175	7.50%
Fe 273.955†	60.5	0.04995	mg/L	0.001673	0.04995	mg/L	0.001673	3.35%
K 766.490†	689.8	0.5289	mg/L	0.04112	0.5289	mg/L	0.04112	7.78%
Mg 279.077†	82.1	0.06643	mg/L	0.005406	0.06643	mg/L	0.005406	8.14%
Mn 257.610†	27.1	0.00093	mg/L	0.000184	0.00093	mg/L	0.000184	19.64%
Mo 202.031†	32.5	0.00545	mg/L	0.001354	0.00545	mg/L	0.001354	24.83%
Na 589.592†	1036.5	0.5151	mg/L	0.01046	0.5151	mg/L	0.01046	2.03%
Na 330.237†	-14.6	-0.6609	mg/L	0.68036	-0.6609	mg/L	0.68036	102.94%
Ni 231.604†	20.6	0.01703	mg/L	0.001303	0.01703	mg/L	0.001303	7.65%
Pb 220.353†	140.6	0.02042	mg/L	0.001752	0.02042	mg/L	0.001752	8.58%
Sb 206.836†	109.2	0.05408	mg/L	0.000826	0.05408	mg/L	0.000826	1.53%
Se 196.026†	58.7	0.05546	mg/L	0.004925	0.05546	mg/L	0.004925	8.88%
Si 288.158†	121.7	0.07006	mg/L	0.006103	0.07006	mg/L	0.006103	8.71%
Sn 189.927†	31.9	0.01018	mg/L	0.000989	0.01018	mg/L	0.000989	9.72%
Sr 421.552†	311.6	0.00107	mg/L	0.000068	0.00107	mg/L	0.000068	6.34%
Ti 334.903†	139.0	0.00693	mg/L	0.000868	0.00693	mg/L	0.000868	12.53%
Tl 190.801†	101.3	0.04981	mg/L	0.001257	0.04981	mg/L	0.001257	2.52%
V 292.402†	360.3	0.00316	mg/L	0.000354	0.00316	mg/L	0.000354	11.19%
Zn 206.200†	10.7	0.01009	mg/L	0.001886	0.01009	mg/L	0.001886	18.69%

Sequence No.: 4
Sample ID: ICSA
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 22
Date Collected: 10/10/2007 12:02:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1793902.6	98.16	%	0.699				0.71%
ScR 361.383	158844.7	103.8	%	0.73				0.70%
Ag 328.068†	-888.6	0.00097	mg/L	0.000216	0.00097	mg/L	0.000216	22.35%
Al 308.215†	316119.7	193.4	mg/L	0.90	193.4	mg/L	0.90	0.46%
As 188.979†	65.2	0.01517	mg/L	0.006233	0.01517	mg/L	0.006233	41.08%
B 249.677†	-25.2	0.00309	mg/L	0.003029	0.00309	mg/L	0.003029	97.92%
Ba 233.527†	47.3	0.00135	mg/L	0.000309	0.00135	mg/L	0.000309	22.98%
Be 313.042†	-47.7	-0.00021	mg/L	0.000108	-0.00021	mg/L	0.000108	51.93%
Ca 317.933†	975755.4	97.19	mg/L	0.356	97.19	mg/L	0.356	0.37%
Cd 228.802†	16.8	0.00007	mg/L	0.000109	0.00007	mg/L	0.000109	160.13%
Co 228.616†	60.1	-0.00200	mg/L	0.000171	-0.00200	mg/L	0.000171	8.57%
Cr 267.716†	-1.1	0.00369	mg/L	0.001644	0.00369	mg/L	0.001644	44.53%
Cu 324.752†	-4163.8	-0.00116	mg/L	0.000235	-0.00116	mg/L	0.000235	20.18%
Fe 273.955†	236510.0	195.2	mg/L	0.85	195.2	mg/L	0.85	0.44%
K 766.490†	68.1	0.05224	mg/L	0.012372	0.05224	mg/L	0.012372	23.68%
Mg 279.077†	120800.7	97.63	mg/L	0.800	97.63	mg/L	0.800	0.82%
Mn 257.610†	86.8	0.00042	mg/L	0.000138	0.00042	mg/L	0.000138	33.12%
Mo 202.031†	-0.2	0.00652	mg/L	0.000941	0.00652	mg/L	0.000941	14.42%
Na 589.592†	-13.6	-0.00678	mg/L	0.009999	-0.00678	mg/L	0.009999	147.40%
Na 330.237†	6.7	0.2047	mg/L	0.83566	0.2047	mg/L	0.83566	408.18%
Ni 231.604†	3.1	0.00259	mg/L	0.004627	0.00259	mg/L	0.004627	178.66%
Pb 220.353†	-370.3	-0.00915	mg/L	0.000821	-0.00915	mg/L	0.000821	8.97%
Sb 206.836†	2.8	0.00141	mg/L	0.001826	0.00141	mg/L	0.001826	129.37%
Se 196.026†	-130.7	-0.05075	mg/L	0.004412	-0.05075	mg/L	0.004412	8.69%
Si 288.158†	-1.3	-0.00075	mg/L	0.003094	-0.00075	mg/L	0.003094	414.55%
Sn 189.927†	-44.2	-0.01947	mg/L	0.000994	-0.01947	mg/L	0.000994	5.10%
Sr 421.552†	564.2	-0.00023	mg/L	0.000042	-0.00023	mg/L	0.000042	18.20%
Ti 334.903†	140.1	0.00699	mg/L	0.000382	0.00699	mg/L	0.000382	5.47%
Tl 190.801†	-45.5	-0.02246	mg/L	0.005236	-0.02246	mg/L	0.005236	23.31%
V 292.402†	1526.8	-0.00216	mg/L	0.000208	-0.00216	mg/L	0.000208	9.64%
Zn 206.200†	-14.5	-0.01095	mg/L	0.002146	-0.01095	mg/L	0.002146	19.59%

Sequence No.: 5
Sample ID: ICSAB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 23
Date Collected: 10/10/2007 12:08:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1790706.5	97.99	%	0.790				0.81%
ScR 361.383	157439.2	102.9	%	0.50				0.49%
Ag 328.068†	172497.4	1.080	mg/L	0.0050	1.080	mg/L	0.0050	0.47%
Al 308.215†	318577.6	194.9	mg/L	0.28	194.9	mg/L	0.28	0.15%
As 188.979†	1264.9	1.036	mg/L	0.0112	1.036	mg/L	0.0112	1.08%
B 249.677†	-19.5	0.00313	mg/L	0.005261	0.00313	mg/L	0.005261	168.13%
Ba 233.527†	5362.8	0.9608	mg/L	0.00918	0.9608	mg/L	0.00918	0.96%
Be 313.042†	271810.4	1.007	mg/L	0.0035	1.007	mg/L	0.0035	0.35%
Ca 317.933†	982490.5	97.86	mg/L	0.369	97.86	mg/L	0.369	0.38%
Cd 228.802†	38808.0	0.9883	mg/L	0.00629	0.9883	mg/L	0.00629	0.64%
Co 228.616†	48376.0	0.9412	mg/L	0.00156	0.9412	mg/L	0.00156	0.17%
Cr 267.716†	3967.0	0.9701	mg/L	0.00652	0.9701	mg/L	0.00652	0.67%
Cu 324.752†	230931.1	1.094	mg/L	0.0022	1.094	mg/L	0.0022	0.20%
Fe 273.955†	236850.8	195.4	mg/L	0.24	195.4	mg/L	0.24	0.12%
K 766.490†	247.1	0.1895	mg/L	0.01993	0.1895	mg/L	0.01993	10.52%
Mg 279.077†	123524.0	99.83	mg/L	0.188	99.83	mg/L	0.188	0.19%
Mn 257.610†	29287.5	0.9978	mg/L	0.00074	0.9978	mg/L	0.00074	0.07%
Mo 202.031†	1.3	0.00674	mg/L	0.000984	0.00674	mg/L	0.000984	14.61%
Na 589.592†	-34.6	-0.01717	mg/L	0.004938	-0.01717	mg/L	0.004938	28.76%
Na 330.237†	21.0	0.3483	mg/L	0.24541	0.3483	mg/L	0.24541	70.46%
Ni 231.604†	1151.4	0.9518	mg/L	0.01143	0.9518	mg/L	0.01143	1.20%
Pb 220.353†	6373.0	0.9705	mg/L	0.01090	0.9705	mg/L	0.01090	1.12%
Sb 206.836†	2097.4	1.029	mg/L	0.0115	1.029	mg/L	0.0115	1.11%
Se 196.026†	929.2	0.9488	mg/L	0.01359	0.9488	mg/L	0.01359	1.43%
Si 288.158†	-4.3	-0.00188	mg/L	0.000343	-0.00188	mg/L	0.000343	18.22%
Sn 189.927†	-42.9	-0.01895	mg/L	0.000716	-0.01895	mg/L	0.000716	3.78%
Sr 421.552†	607.6	-0.00017	mg/L	0.000239	-0.00017	mg/L	0.000239	144.63%
Ti 334.903†	139.5	0.00668	mg/L	0.000169	0.00668	mg/L	0.000169	2.53%
Tl 190.801†	1911.6	0.9297	mg/L	0.00753	0.9297	mg/L	0.00753	0.81%
V 292.402†	121072.5	1.035	mg/L	0.0043	1.035	mg/L	0.0043	0.42%
Zn 206.200†	990.0	0.9361	mg/L	0.00848	0.9361	mg/L	0.00848	0.91%

Sequence No.: 6
Sample ID: CV 2
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 10/10/2007 12:15:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1829400.0	100.1	%	0.50				0.50%
ScR 361.383	158064.6	103.3	%	0.43				0.42%
Ag 328.068†	162412.5	1.011	mg/L	0.0058	1.011	mg/L	0.0058	0.58%
Al 308.215†	3199.6	1.918	mg/L	0.0049	1.918	mg/L	0.0049	0.26%
As 188.979†	2354.5	2.002	mg/L	0.0034	2.002	mg/L	0.0034	0.17%
B 249.677†	1854.1	0.9642	mg/L	0.00465	0.9642	mg/L	0.00465	0.48%
Ba 233.527†	5308.0	0.9585	mg/L	0.00104	0.9585	mg/L	0.00104	0.11%
Be 313.042†	263971.6	0.9784	mg/L	0.00133	0.9784	mg/L	0.00133	0.14%
Ca 317.933†	20273.4	2.019	mg/L	0.0047	2.019	mg/L	0.0047	0.24%
Cd 228.802†	38995.5	0.9870	mg/L	0.01172	0.9870	mg/L	0.01172	1.19%
Co 228.616†	49533.8	0.9657	mg/L	0.00445	0.9657	mg/L	0.00445	0.46%
Cr 267.716†	3959.9	0.9644	mg/L	0.00479	0.9644	mg/L	0.00479	0.50%
Cu 324.752†	227284.2	1.058	mg/L	0.0055	1.058	mg/L	0.0055	0.52%
Fe 273.955†	2390.1	1.969	mg/L	0.0097	1.969	mg/L	0.0097	0.49%
K 766.490†	26134.7	20.04	mg/L	0.023	20.04	mg/L	0.023	0.11%
Mg 279.077†	2466.0	1.998	mg/L	0.0104	1.998	mg/L	0.0104	0.52%
Mn 257.610†	28862.0	0.9864	mg/L	0.00239	0.9864	mg/L	0.00239	0.24%
Mo 202.031†	5788.8	0.9702	mg/L	0.00095	0.9702	mg/L	0.00095	0.10%
Na 589.592†	98551.3	48.98	mg/L	0.410	48.98	mg/L	0.410	0.84%
Na 330.237†	1087.3	48.65	mg/L	0.297	48.65	mg/L	0.297	0.61%
Ni 231.604†	1178.5	0.9750	mg/L	0.00123	0.9750	mg/L	0.00123	0.13%
Pb 220.353†	13799.2	2.004	mg/L	0.0076	2.004	mg/L	0.0076	0.38%
Sb 206.836†	4035.8	1.996	mg/L	0.0055	1.996	mg/L	0.0055	0.28%
Se 196.026†	2032.6	1.918	mg/L	0.0045	1.918	mg/L	0.0045	0.24%
Si 288.158†	3554.9	2.049	mg/L	0.0137	2.049	mg/L	0.0137	0.67%
Sn 189.927†	2817.5	0.8989	mg/L ✓	0.00241	0.8989	mg/L	0.00241	0.27%
Sr 421.552†	280499.7	0.9609	mg/L	0.00288	0.9609	mg/L	0.00288	0.30%
Ti 334.903†	19663.1	0.9797	mg/L	0.00275	0.9797	mg/L	0.00275	0.28%
Tl 190.801†	3955.7	1.935	mg/L	0.0032	1.935	mg/L	0.0032	0.17%
V 292.402†	115831.1	1.010	mg/L	0.0067	1.010	mg/L	0.0067	0.66%
Zn 206.200†	1052.1	0.9917	mg/L	0.00184	0.9917	mg/L	0.00184	0.19%

Sequence No.: 7
Sample ID: CB 2
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/10/2007 12:21:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1842560.4	100.8	%	0.67				0.66%
ScR 361.383	157463.0	102.9	%	0.71				0.69%
Ag 328.068†	104.5	0.00065	mg/L	0.000360	0.00065	mg/L	0.000360	55.43%
Al 308.215†	6.8	0.00415	mg/L	0.003086	0.00415	mg/L	0.003086	74.36%
As 188.979†	7.7	0.00652	mg/L	0.005310	0.00652	mg/L	0.005310	81.48%
B 249.677†	1.1	0.00057	mg/L	0.002851	0.00057	mg/L	0.002851	498.95%
Ba 233.527†	-1.9	-0.00035	mg/L	0.000637	-0.00035	mg/L	0.000637	181.99%
Be 313.042†	7.9	0.00003	mg/L	0.000023	0.00003	mg/L	0.000023	79.29%
Ca 317.933†	17.3	0.00172	mg/L	0.003594	0.00172	mg/L	0.003594	208.67%
Cd 228.802†	4.8	0.00008	mg/L	0.000134	0.00008	mg/L	0.000134	166.04%
Co 228.616†	4.7	0.00009	mg/L	0.000131	0.00009	mg/L	0.000131	141.77%
Cr 267.716†	6.4	0.00156	mg/L	0.001658	0.00156	mg/L	0.001658	106.17%
Cu 324.752†	69.5	0.00032	mg/L	0.000220	0.00032	mg/L	0.000220	68.31%
Fe 273.955†	-2.9	-0.00240	mg/L	0.001036	-0.00240	mg/L	0.001036	43.27%
K 766.490†	49.8	0.03816	mg/L	0.037722	0.03816	mg/L	0.037722	98.86%
Mg 279.077†	29.1	0.02358	mg/L	0.007601	0.02358	mg/L	0.007601	32.24%
Mn 257.610†	-1.7	-0.00006	mg/L	0.000073	-0.00006	mg/L	0.000073	123.28%
Mo 202.031†	7.4	0.00123	mg/L	0.000332	0.00123	mg/L	0.000332	26.90%
Na 589.592†	6.6	0.00328	mg/L	0.005038	0.00328	mg/L	0.005038	153.60%
Na 330.237†	-4.8	-0.2141	mg/L	0.52172	-0.2141	mg/L	0.52172	243.63%
Ni 231.604†	3.9	0.00322	mg/L	0.005821	0.00322	mg/L	0.005821	180.96%
Pb 220.353†	7.4	0.00108	mg/L	0.000976	0.00108	mg/L	0.000976	90.18%
Sb 206.836†	-3.2	-0.00161	mg/L	0.001010	-0.00161	mg/L	0.001010	62.60%
Se 196.026†	-0.5	-0.00044	mg/L	0.002057	-0.00044	mg/L	0.002057	466.18%
Si 288.158†	8.7	0.00502	mg/L	0.004560	0.00502	mg/L	0.004560	90.81%
Sn 189.927†	1.6	0.00050	mg/L	0.000349	0.00050	mg/L	0.000349	69.70%
Sr 421.552†	-28.5	-0.00010	mg/L	0.000296	-0.00010	mg/L	0.000296	302.72%
Ti 334.903†	7.9	0.00039	mg/L	0.000857	0.00039	mg/L	0.000857	219.25%
Tl 190.801†	6.8	0.00332	mg/L	0.003067	0.00332	mg/L	0.003067	92.29%
V 292.402†	40.0	0.00036	mg/L	0.000103	0.00036	mg/L	0.000103	28.48%
Zn 206.200†	0.1	0.00012	mg/L	0.001678	0.00012	mg/L	0.001678	>999.9%

Sequence No.: 8
Sample ID: LS34 MB TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 24
Date Collected: 10/10/2007 12:28:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS34 MB TWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: LS34 MB TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1906319.2	104.3	%	0.25				0.24%
ScR 361.383	159946.6	104.5	%	0.46				0.44%
Ag 328.068†	-64.2	-0.00040	mg/L	0.000339	-0.00040	mg/L	0.000339	84.73%
Al 308.215†	25.1	0.01536	mg/L	0.016485	0.01536	mg/L	0.016485	107.35%
As 188.979†	5.7	0.00486	mg/L	0.001273	0.00486	mg/L	0.001273	26.20%
B 249.677†	-5.5	-0.00288	mg/L	0.003431	-0.00288	mg/L	0.003431	119.14%
Ba 233.527†	-2.2	-0.00040	mg/L	0.000803	-0.00040	mg/L	0.000803	200.46%
Be 313.042†	-37.6	-0.00014	mg/L	0.000084	-0.00014	mg/L	0.000084	60.52%
Ca 317.933†	100.5	0.01001	mg/L	0.004140	0.01001	mg/L	0.004140	41.34%
Cd 228.802†	10.8	0.00025	mg/L	0.000134	0.00025	mg/L	0.000134	54.23%
Co 228.616†	-5.6	-0.00011	mg/L	0.000119	-0.00011	mg/L	0.000119	106.18%
Cr 267.716†	5.0	0.00121	mg/L	0.001295	0.00121	mg/L	0.001295	107.10%
Cu 324.752†	-69.7	-0.00033	mg/L	0.000220	-0.00033	mg/L	0.000220	67.71%
Fe 273.955†	1.0	0.00086	mg/L	0.000586	0.00086	mg/L	0.000586	68.18%
K 766.490†	-1.3	-0.00098	mg/L	0.024515	-0.00098	mg/L	0.024515	>999.9%
Mg 279.077†	21.1	0.01707	mg/L	0.015022	0.01707	mg/L	0.015022	88.01%
Mn 257.610†	-2.1	-0.00007	mg/L	0.000067	-0.00007	mg/L	0.000067	94.26%
Mo 202.031†	5.4	0.00090	mg/L	0.000297	0.00090	mg/L	0.000297	33.13%
Na 589.592†	-22.8	-0.01132	mg/L	0.004760	-0.01132	mg/L	0.004760	42.04%
Na 330.237†	-2.6	-0.1181	mg/L	0.30494	-0.1181	mg/L	0.30494	258.15%
Ni 231.604†	5.7	0.00468	mg/L	0.001690	0.00468	mg/L	0.001690	36.09%
Pb 220.353†	-9.0	-0.00129	mg/L	0.000926	-0.00129	mg/L	0.000926	71.51%
Sb 206.836†	4.1	0.00204	mg/L	0.001950	0.00204	mg/L	0.001950	95.74%
Se 196.026†	5.5	0.00521	mg/L	0.001134	0.00521	mg/L	0.001134	21.79%
Si 288.158†	11.2	0.00648	mg/L	0.009007	0.00648	mg/L	0.009007	139.07%
Sn 189.927†	-1.4	-0.00044	mg/L	0.000831	-0.00044	mg/L	0.000831	187.92%
Sr 421.552†	51.6	0.00018	mg/L	0.000206	0.00018	mg/L	0.000206	116.71%
Ti 334.903†	37.5	0.00187	mg/L	0.000379	0.00187	mg/L	0.000379	20.31%
Tl 190.801†	8.7	0.00427	mg/L	0.001154	0.00427	mg/L	0.001154	27.03%
V 292.402†	-2.7	-0.00001	mg/L	0.000251	-0.00001	mg/L	0.000251	>999.9%
Zn 206.200†	-0.4	-0.00034	mg/L	0.001095	-0.00034	mg/L	0.001095	317.94%

Sequence No.: 9
Sample ID: LS96 MB LEN
Analyst: BLW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 25
Date Collected: 10/10/2007 12:34:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS96 MB LEN

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LS96 MB LEN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1827165.6	99.98	%	0.218				0.22%
ScR 361.383	162707.8	106.3	%	0.65				0.61%
Ag 328.068†	209.9	0.00131	mg/L	0.000163	0.00653	mg/L	0.000817	12.50%
Al 308.215†	18.9	0.01159	mg/L	0.020966	0.05793	mg/L	0.104828	180.96%
As 188.979†	12.7	0.01079	mg/L	0.001892	0.05397	mg/L	0.009462	17.53%
B 249.677†	14.2	0.00739	mg/L	0.000722	0.03695	mg/L	0.003612	9.78%
Ba 233.527†	-0.5	-0.00010	mg/L	0.000350	-0.00050	mg/L	0.001752	353.64%
Be 313.042†	-59.0	-0.00022	mg/L	0.000098	-0.00110	mg/L	0.000491	44.60%
Ca 317.933†	1580.1	0.1574	mg/L	0.00276	0.7870	mg/L	0.01379	1.75%
Cd 228.802†	0.1	-0.00007	mg/L	0.000062	-0.00034	mg/L	0.000311	92.41%
Co 228.616†	20.4	0.00040	mg/L	0.000045	0.00199	mg/L	0.000223	11.23%
Cr 267.716†	6.8	0.00167	mg/L	0.000649	0.00834	mg/L	0.003244	38.90%
Cu 324.752†	209.9	0.00098	mg/L	0.000160	0.00489	mg/L	0.000802	16.40%
Fe 273.955†	1.0	0.00079	mg/L	0.001013	0.00395	mg/L	0.005067	128.33%
K 766.490†	203.6	0.1561	mg/L	0.02428	0.7805	mg/L	0.12140	15.55%
Mg 279.077†	55.6	0.04494	mg/L	0.015052	0.2247	mg/L	0.07526	33.50%
Mn 257.610†	-3.7	-0.00013	mg/L	0.000134	-0.00064	mg/L	0.000672	105.30%
Mo 202.031†	-1.8	-0.00031	mg/L	0.000663	-0.00153	mg/L	0.003313	215.92%
Na 589.592†	591416.8	293.9	mg/L	1.65	1470	mg/L	8.3	0.56%
Na 330.237†	6522.3	293.9	mg/L	2.20	1469	mg/L	11.0	0.75%
Ni 231.604†	5.6	0.00459	mg/L	0.004483	0.02293	mg/L	0.022413	97.76%
Pb 220.353†	2.9	0.00042	mg/L	0.000708	0.00212	mg/L	0.003542	166.85%
Sb 206.836†	0.8	0.00037	mg/L	0.003670	0.00184	mg/L	0.018351	999.77%
Se 196.026†	-0.3	-0.00024	mg/L	0.001467	-0.00119	mg/L	0.007333	615.62%
Si 288.158†	16.7	0.00959	mg/L	0.013508	0.04797	mg/L	0.067540	140.80%
Sn 189.927†	5.5	0.00177	mg/L	0.000582	0.00885	mg/L	0.002908	32.84%
Sr 421.552†	225.8	0.00077	mg/L	0.000177	0.00387	mg/L	0.000885	22.88%
Ti 334.903†	4.4	0.00022	mg/L	0.000417	0.00109	mg/L	0.002087	192.23%
Tl 190.801†	0.9	0.00043	mg/L	0.000734	0.00213	mg/L	0.003671	172.12%
V 292.402†	58.9	0.00052	mg/L	0.000248	0.00259	mg/L	0.001239	47.89%
Zn 206.200†	0.3	0.00028	mg/L	0.000823	0.00138	mg/L	0.004117	299.23%

Sequence No.: 10
Sample ID: LS96 B LEN
Analyst: BLW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 26
Date Collected: 10/10/2007 12:41:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS96 B LEN

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: LS96 B LEN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1836397.2	100.5	%	0.18				0.18%
ScR 361.383	161796.2	105.7	%	1.34				1.27%
Ag 328.068†	183.8	0.00115	mg/L	0.000199	0.00573	mg/L	0.000996	17.39%
Al 308.215†	215.3	0.1317	mg/L	0.01724	0.6585	mg/L	0.08619	13.09%
As 188.979†	7.7	0.00641	mg/L	0.003389	0.03206	mg/L	0.016946	52.86%
B 249.677†	23.6	0.01231	mg/L	0.001011	0.06153	mg/L	0.005057	8.22%
Ba 233.527†	51.3	0.00926	mg/L	0.000203	0.04629	mg/L	0.001016	2.20%
Be 313.042†	-49.2	-0.00019	mg/L	0.000094	-0.00096	mg/L	0.000470	49.04%
Ca 317.933†	21222.7	2.114	mg/L	0.0395	10.57	mg/L	0.198	1.87%
Cd 228.802†	-0.3	-0.00005	mg/L	0.000019	-0.00024	mg/L	0.000094	38.75%
Co 228.616†	58.3	0.00113	mg/L	0.000053	0.00566	mg/L	0.000266	4.70%
Cr 267.716†	5.2	0.00126	mg/L	0.002797	0.00628	mg/L	0.013985	222.64%
Cu 324.752†	424.0	0.00197	mg/L	0.000242	0.00987	mg/L	0.001212	12.28%
Fe 273.955†	14.2	0.01175	mg/L	0.001088	0.05873	mg/L	0.005442	9.27%
K 766.490†	364.5	0.2795	mg/L	0.04606	1.397	mg/L	0.2303	16.48%
Mg 279.077†	482.5	0.3903	mg/L	0.00655	1.951	mg/L	0.0328	1.68%
Mn 257.610†	500.5	0.01708	mg/L	0.000169	0.08540	mg/L	0.000847	0.99%
Mo 202.031†	1.3	0.00015	mg/L	0.000458	0.00076	mg/L	0.002290	302.89%
Na 589.592†	593414.9	294.9	mg/L	0.84	1475	mg/L	4.2	0.29%
Na 330.237†	6459.6	291.0	mg/L	5.94	1455	mg/L	29.7	2.04%
Ni 231.604†	12.0	0.00992	mg/L	0.002233	0.04962	mg/L	0.011164	22.50%
Pb 220.353†	-0.6	-0.00006	mg/L	0.000629	-0.00028	mg/L	0.003143	>999.9%
Sb 206.836†	-5.5	-0.00270	mg/L	0.001561	-0.01349	mg/L	0.007805	57.84%
Se 196.026†	-4.6	-0.00409	mg/L	0.001776	-0.02047	mg/L	0.008880	43.39%
Si 288.158†	706.9	0.4068	mg/L	0.01088	2.034	mg/L	0.0544	2.67%
Sn 189.927†	0.6	0.00025	mg/L	0.000080	0.00124	mg/L	0.000400	32.23%
Sr 421.552†	5701.6	0.01953	mg/L	0.000178	0.09766	mg/L	0.000891	0.91%
Ti 334.903†	52.9	0.00264	mg/L	0.001192	0.01319	mg/L	0.005960	45.20%
Tl 190.801†	5.4	0.00259	mg/L	0.002505	0.01297	mg/L	0.012527	96.61%
V 292.402†	453.5	0.00392	mg/L	0.000377	0.01959	mg/L	0.001883	9.61%
Zn 206.200†	0.8	0.00085	mg/L	0.001372	0.00425	mg/L	0.006858	161.25%

Sequence No.: 11
Sample ID: LS96 ADUP LEN
Analyst: BLW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 27
Date Collected: 10/10/2007 12:48:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS96 ADUP LEN

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LS96 ADUP LEN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
ScA 357.253	1851300.9	101.3	%	0.30				0.29%
ScR 361.383	161275.4	105.4	%	0.17				0.16%
Ag 328.068†	62.2	0.00039	mg/L	0.000565	0.00194	mg/L	0.002827	145.71%
Al 308.215†	174.0	0.1064	mg/L	0.00827	0.5321	mg/L	0.04133	7.77%
As 188.979†	9.7	0.00810	mg/L	0.005826	0.04050	mg/L	0.029132	71.92%
B 249.677†	16.7	0.00872	mg/L	0.002771	0.04359	mg/L	0.013855	31.79%
Ba 233.527†	39.1	0.00706	mg/L	0.000745	0.03532	mg/L	0.003725	10.54%
Be 313.042†	-37.0	-0.00015	mg/L	0.000067	-0.00073	mg/L	0.000337	46.53%
Ca 317.933†	17186.2	1.712	mg/L	0.0101	8.560	mg/L	0.0507	0.59%
Cd 228.802†	-2.0	-0.00010	mg/L	0.000059	-0.00052	mg/L	0.000293	56.76%
Co 228.616†	115.6	0.00225	mg/L	0.000081	0.01127	mg/L	0.000403	3.58%
Cr 267.716†	5.8	0.00140	mg/L	0.001215	0.00699	mg/L	0.006074	86.85%
Cu 324.752†	391.1	0.00182	mg/L	0.000289	0.00910	mg/L	0.001447	15.89%
Fe 273.955†	9.3	0.00767	mg/L	0.003483	0.03835	mg/L	0.017414	45.40%
K 766.490†	416.9	0.3197	mg/L	0.00568	1.598	mg/L	0.0284	1.78%
Mg 279.077†	392.0	0.3171	mg/L	0.00608	1.585	mg/L	0.0304	1.92%
Mn 257.610†	840.2	0.02868	mg/L	0.000364	0.1434	mg/L	0.00182	1.27%
Mo 202.031†	1.2	0.00016	mg/L	0.000590	0.00078	mg/L	0.002949	376.92%
Na 589.592†	593014.3	294.7	mg/L	0.80	1474	mg/L	4.0	0.27%
Na 330.237†	6543.3	294.8	mg/L	1.42	1474	mg/L	7.1	0.48%
Ni 231.604†	11.2	0.00926	mg/L	0.000722	0.04632	mg/L	0.003610	7.79%
Pb 220.353†	-4.1	-0.00056	mg/L	0.001084	-0.00280	mg/L	0.005419	193.79%
Sb 206.836†	2.8	0.00139	mg/L	0.003882	0.00696	mg/L	0.019410	278.86%
Se 196.026†	-3.9	-0.00347	mg/L	0.003528	-0.01735	mg/L	0.017640	101.69%
Si 288.158†	513.4	0.2955	mg/L	0.01191	1.477	mg/L	0.0595	4.03%
Sn 189.927†	1.4	0.00050	mg/L	0.000445	0.00251	mg/L	0.002227	88.77%
Sr 421.552†	4039.7	0.01384	mg/L	0.000137	0.06919	mg/L	0.000684	0.99%
Ti 334.903†	29.0	0.00144	mg/L	0.000556	0.00722	mg/L	0.002779	38.50%
Tl 190.801†	1.6	0.00073	mg/L	0.000933	0.00367	mg/L	0.004663	127.21%
V 292.402†	377.4	0.00327	mg/L	0.000238	0.01633	mg/L	0.001190	7.29%
Zn 206.200†	2.5	0.00237	mg/L	0.000881	0.01185	mg/L	0.004406	37.17%

Sequence No.: 12
Sample ID: LS96 A LEN
Analyst: BLW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 28
Date Collected: 10/10/2007 12:55:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS96 A LEN

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LS96 A LEN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1835267.2	100.4	%	0.79				0.79%
ScR 361.383	160181.3	104.7	%	0.38				0.37%
Ag 328.068†	94.6	0.00059	mg/L	0.000271	0.00295	mg/L	0.001356	46.04%
Al 308.215†	147.1	0.08996	mg/L	0.014240	0.4498	mg/L	0.07120	15.83%
As 188.979†	7.2	0.00599	mg/L	0.001934	0.02995	mg/L	0.009670	32.29%
B 249.677†	20.5	0.01068	mg/L	0.001280	0.05340	mg/L	0.006398	11.98%
Ba 233.527†	36.5	0.00659	mg/L	0.000159	0.03297	mg/L	0.000794	2.41%
Be 313.042†	-33.9	-0.00013	mg/L	0.000180	-0.00067	mg/L	0.000900	134.99%
Ca 317.933†	17314.2	1.725	mg/L	0.0031	8.623	mg/L	0.0157	0.18%
Cd 228.802†	-0.6	-0.00005	mg/L	0.000111	-0.00027	mg/L	0.000556	203.95%
Co 228.616†	125.5	0.00245	mg/L	0.000216	0.01223	mg/L	0.001082	8.85%
Cr 267.716†	5.8	0.00141	mg/L	0.001143	0.00703	mg/L	0.005713	81.22%
Cu 324.752†	437.2	0.00204	mg/L	0.000223	0.01018	mg/L	0.001114	10.94%
Fe 273.955†	8.5	0.00696	mg/L	0.001036	0.03481	mg/L	0.005181	14.88%
K 766.490†	448.5	0.3439	mg/L	0.05520	1.719	mg/L	0.2760	16.05%
Mg 279.077†	367.4	0.2971	mg/L	0.01064	1.486	mg/L	0.0532	3.58%
Mn 257.610†	847.8	0.02894	mg/L	0.000403	0.1447	mg/L	0.00201	1.39%
Mo 202.031†	-0.7	-0.00017	mg/L	0.000855	-0.00084	mg/L	0.004276	511.64%
Na 589.592†	593717.7	295.1	mg/L	1.02	1475	mg/L	5.1	0.34%
Na 330.237†	6588.2	296.8	mg/L	0.97	1484	mg/L	4.9	0.33%
Ni 231.604†	9.4	0.00773	mg/L	0.003218	0.03865	mg/L	0.016090	41.63%
Pb 220.353†	0.7	0.00012	mg/L	0.000847	0.00061	mg/L	0.004234	695.19%
Sb 206.836†	-3.0	-0.00150	mg/L	0.001059	-0.00752	mg/L	0.005297	70.40%
Se 196.026†	0.8	0.00092	mg/L	0.004455	0.00462	mg/L	0.022275	482.65%
Si 288.158†	512.6	0.2950	mg/L	0.00681	1.475	mg/L	0.0340	2.31%
Sn 189.927†	2.5	0.00085	mg/L	0.001008	0.00424	mg/L	0.005039	118.94%
Sr 421.552†	4000.4	0.01370	mg/L	0.000067	0.06851	mg/L	0.000334	0.49%
Ti 334.903†	36.8	0.00184	mg/L	0.000244	0.00918	mg/L	0.001219	13.28%
Tl 190.801†	2.6	0.00123	mg/L	0.001275	0.00614	mg/L	0.006374	103.80%
V 292.402†	377.4	0.00326	mg/L	0.000380	0.01632	mg/L	0.001901	11.65%
Zn 206.200†	2.1	0.00199	mg/L	0.001465	0.00996	mg/L	0.007323	73.50%

Sequence No.: 13
Sample ID: LS96 ASPK LEN
Analyst: BLW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 29
Date Collected: 10/10/2007 1:02:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS96 ASPK LEN

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LS96 ASPK LEN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1849824.0	101.2	%	0.66				0.65%
ScR 361.383	160809.7	105.1	%	0.58				0.55%
Ag 328.068†	84411.0	0.5255	mg/L	0.00297	2.628	mg/L	0.0149	0.57%
Al 308.215†	3349.0	2.042	mg/L	0.0038	10.21	mg/L	0.019	0.19%
As 188.979†	2429.8	2.067	mg/L	0.0032	10.34	mg/L	0.016	0.16%
B 249.677†	23.8	0.01103	mg/L	0.000280	0.05513	mg/L	0.001398	2.54%
Ba 233.527†	10622.9	1.918	mg/L	0.0085	9.590	mg/L	0.0425	0.44%
Be 313.042†	134389.9	0.4981	mg/L	0.00161	2.490	mg/L	0.0081	0.32%
Ca 317.933†	116462.9	11.60	mg/L	0.031	58.00	mg/L	0.154	0.26%
Cd 228.802†	19902.4	0.4969	mg/L	0.00186	2.485	mg/L	0.0093	0.37%
Co 228.616†	24705.0	0.4819	mg/L	0.00175	2.410	mg/L	0.0088	0.36%
Cr 267.716†	2004.5	0.4882	mg/L	0.00403	2.441	mg/L	0.0201	0.82%
Cu 324.752†	115236.3	0.5369	mg/L	0.00197	2.685	mg/L	0.0098	0.37%
Fe 273.955†	2417.7	1.993	mg/L	0.0157	9.967	mg/L	0.0783	0.79%
K 766.490†	13256.2	10.16	mg/L	0.074	50.82	mg/L	0.370	0.73%
Mg 279.077†	12615.9	10.20	mg/L	0.065	51.02	mg/L	0.327	0.64%
Mn 257.610†	15364.0	0.5254	mg/L	0.00072	2.627	mg/L	0.0036	0.14%
Mo 202.031†	18.8	0.00284	mg/L	0.000194	0.01418	mg/L	0.000970	6.84%
Na 589.592†	603518.5	299.9	mg/L	0.28	1500	mg/L	1.4	0.09%
Na 330.237†	6699.5	301.6	mg/L	2.22	1508	mg/L	11.1	0.73%
Ni 231.604†	597.4	0.4931	mg/L	0.00545	2.465	mg/L	0.0273	1.11%
Pb 220.353†	13775.1	2.000	mg/L	0.0108	10.000	mg/L	0.0542	0.54%
Sb 206.836†	10.5	0.00030	mg/L	0.004146	0.00149	mg/L	0.020728	>999.9%
Se 196.026†	2196.6	2.075	mg/L	0.0079	10.38	mg/L	0.039	0.38%
Si 288.158†	507.6	0.2925	mg/L	0.00435	1.462	mg/L	0.0218	1.49%
Sn 189.927†	-15.3	-0.00418	mg/L	0.001581	-0.02091	mg/L	0.007906	37.80%
Sr 421.552†	143338.2	0.4909	mg/L	0.00194	2.455	mg/L	0.0097	0.39%
Ti 334.903†	47.4	0.00222	mg/L	0.000786	0.01111	mg/L	0.003929	35.35%
Tl 190.801†	3887.5	1.908	mg/L	0.0022	9.541	mg/L	0.0109	0.11%
V 292.402†	60914.1	0.5283	mg/L	0.00281	2.642	mg/L	0.0140	0.53%
Zn 206.200†	533.5	0.5034	mg/L	0.00309	2.517	mg/L	0.0155	0.61%

Sequence No.: 14
Sample ID: LS34 A TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 30
Date Collected: 10/10/2007 1:08:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS34 A TWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LS34 A TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1803486.6	98.69	%	0.434				0.44%
ScR 361.383	158936.9	103.9	%	0.35				0.34%
Ag 328.068†	128.9	0.00101	mg/L	0.000389	0.00101	mg/L	0.000389	38.31%
Al 308.215†	-3.0	-0.00225	mg/L	0.012537	-0.00225	mg/L	0.012537	557.08%
As 188.979†	44.9	0.03253	mg/L	0.003805	0.03253	mg/L	0.003805	11.70%
B 249.677†	1616.2	0.8424	mg/L	0.00615	0.8424	mg/L	0.00615	0.73%
Ba 233.527†	712.3	0.1284	mg/L	0.00090	0.1284	mg/L	0.00090	0.70%
Be 313.042†	-36.1	-0.00014	mg/L	0.000056	-0.00014	mg/L	0.000056	39.20%
Ca 317.933†	895753.6	89.23	mg/L	0.496	89.23	mg/L	0.496	0.56%
Cd 228.802†	5.6	-0.00010	mg/L	0.000051	-0.00010	mg/L	0.000051	50.80%
Co 228.616†	636.7	0.01228	mg/L	0.000233	0.01228	mg/L	0.000233	1.90%
Cr 267.716†	34.8	0.00799	mg/L	0.000226	0.00799	mg/L	0.000226	2.83%
Cu 324.752†	277.5	0.00161	mg/L	0.000330	0.00161	mg/L	0.000330	20.55%
Fe 273.955†	7715.9	6.367	mg/L	0.0491	6.367	mg/L	0.0491	0.77%
K 766.490†	88421.4	67.80	mg/L	0.323	67.80	mg/L	0.323	0.48%
Mg 279.077†	81640.3	66.03	mg/L	0.123	66.03	mg/L	0.123	0.19%
Mn 257.610†	81759.4	2.790	mg/L	0.0047	2.790	mg/L	0.0047	0.17%
Mo 202.031†	91.0	0.01237	mg/L	0.001100	0.01237	mg/L	0.001100	8.89%
Na 589.592†	448376.5	222.8	mg/L	0.88	222.8	mg/L	0.88	0.39%
Na 330.237†	4882.0	219.6	mg/L	1.53	219.6	mg/L	1.53	0.69%
Ni 231.604†	37.9	0.03125	mg/L	0.002566	0.03125	mg/L	0.002566	8.21%
Pb 220.353†	-18.6	-0.00316	mg/L	0.000776	-0.00316	mg/L	0.000776	24.59%
Sb 206.836†	-3.6	-0.00202	mg/L	0.001645	-0.00202	mg/L	0.001645	81.29%
Se 196.026†	-32.8	-0.02029	mg/L	0.005643	-0.02029	mg/L	0.005643	27.81%
Si 288.158†	5262.8	3.029	mg/L	0.0098	3.029	mg/L	0.0098	0.32%
Sn 189.927†	-85.6	-0.02206	mg/L	0.000500	-0.02206	mg/L	0.000500	2.27%
Sr 421.552†	221531.2	0.7585	mg/L	0.00194	0.7585	mg/L	0.00194	0.26%
Ti 334.903†	269.0	0.01340	mg/L	0.000037	0.01340	mg/L	0.000037	0.28%
Tl 190.801†	1.6	-0.00248	mg/L	0.001942	-0.00248	mg/L	0.001942	78.38%
V 292.402†	401.7	0.00343	mg/L	0.000279	0.00343	mg/L	0.000279	8.15%
Zn 206.200†	-6.3	-0.00348	mg/L	0.002128	-0.00348	mg/L	0.002128	61.14%

Sequence No.: 15
Sample ID: LS34 ASPK TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 31
Date Collected: 10/10/2007 1:15:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS34 ASPK TWC

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: LS34 ASPK TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1825523.6	99.89	%	0.695				0.70%
ScR 361.383	162098.1	105.9	%	0.67				0.64%
Ag 328.068†	87629.4	0.5458	mg/L	0.00078	0.5458	mg/L	0.00078	0.14%
Al 308.215†	3258.0	1.986	mg/L	0.0149	1.986	mg/L	0.0149	0.75%
As 188.979†	2539.3	2.155	mg/L	0.0251	2.155	mg/L	0.0251	1.16%
B 249.677†	1544.6	0.8037	mg/L	0.00249	0.8037	mg/L	0.00249	0.31%
Ba 233.527†	11176.5	2.018	mg/L	0.0149	2.018	mg/L	0.0149	0.74%
Be 313.042†	136039.6	0.5042	mg/L	0.00312	0.5042	mg/L	0.00312	0.62%
Ca 317.933†	958154.6	95.44	mg/L	0.237	95.44	mg/L	0.237	0.25%
Cd 228.802†	19918.5	0.4967	mg/L	0.00445	0.4967	mg/L	0.00445	0.89%
Co 228.616†	24971.7	0.4870	mg/L	0.00471	0.4870	mg/L	0.00471	0.97%
Cr 267.716†	2052.0	0.4993	mg/L	0.00372	0.4993	mg/L	0.00372	0.74%
Cu 324.752†	118332.4	0.5517	mg/L	0.00093	0.5517	mg/L	0.00093	0.17%
Fe 273.955†	9863.7	8.138	mg/L	0.0438	8.138	mg/L	0.0438	0.54%
K 766.490†	97698.8	74.91	mg/L	0.202	74.91	mg/L	0.202	0.27%
Mg 279.077†	89456.2	72.35	mg/L	0.468	72.35	mg/L	0.468	0.65%
Mn 257.610†	92513.3	3.158	mg/L	0.0130	3.158	mg/L	0.0130	0.41%
Mo 202.031†	92.0	0.01239	mg/L	0.000758	0.01239	mg/L	0.000758	6.12%
Na 589.592†	447971.7	222.6	mg/L	0.31	222.6	mg/L	0.31	0.14%
Na 330.237†	4912.6	220.7	mg/L	1.49	220.7	mg/L	1.49	0.67%
Ni 231.604†	615.1	0.5077	mg/L	0.00715	0.5077	mg/L	0.00715	1.41%
Pb 220.353†	13447.3	1.952	mg/L	0.0198	1.952	mg/L	0.0198	1.01%
Sb 206.836†	6.8	-0.00171	mg/L	0.003660	-0.00171	mg/L	0.003660	213.92%
Se 196.026†	2169.7	2.060	mg/L	0.0115	2.060	mg/L	0.0115	0.56%
Si 288.158†	5350.4	3.080	mg/L	0.0153	3.080	mg/L	0.0153	0.50%
Sn 189.927†	-85.1	-0.02152	mg/L	0.001307	-0.02152	mg/L	0.001307	6.07%
Sr 421.552†	353186.6	1.209	mg/L	0.0057	1.209	mg/L	0.0057	0.47%
Ti 334.903†	267.0	0.01316	mg/L	0.000494	0.01316	mg/L	0.000494	3.75%
Tl 190.801†	3819.9	1.872	mg/L	0.0200	1.872	mg/L	0.0200	1.07%
V 292.402†	62718.9	0.5439	mg/L	0.00046	0.5439	mg/L	0.00046	0.08%
Zn 206.200†	507.1	0.4808	mg/L	0.00263	0.4808	mg/L	0.00263	0.55%

Sequence No.: 16
Sample ID: LR71 H SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 32
Date Collected: 10/10/2007 1:22:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LR71 H SWC

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: LR71 H SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1884827.8	103.1	%	0.57				0.55%
ScR 361.383	162083.9	105.9	%	0.32				0.30%
Ag 328.068†	-659.8	0.00168	mg/L	0.000138	0.00842	mg/L	0.000688	8.17%
Al 308.215†	58903.5	36.04	mg/L	0.104	180.2	mg/L	0.52	0.29%
As 188.979†	75.0	0.05152	mg/L	0.001720	0.2576	mg/L	0.00860	3.34%
B 249.677†	136.1	0.08521	mg/L	0.002435	0.4261	mg/L	0.01217	2.86%
Ba 233.527†	701.5	0.1202	mg/L	0.00129	0.6010	mg/L	0.00644	1.07%
Be 313.042†	125.9	0.00007	mg/L	0.000009	0.00036	mg/L	0.000046	12.81%
Ca 317.933†	187124.3	18.64	mg/L	0.070	93.20	mg/L	0.350	0.38%
Cd 228.802†	44.0	0.00073	mg/L	0.000124	0.00363	mg/L	0.000621	17.09%
Co 228.616†	1632.7	0.02357	mg/L	0.000353	0.1179	mg/L	0.00176	1.50%
Cr 267.716†	427.9	0.1075	mg/L	0.00193	0.5373	mg/L	0.00967	1.80%
Cu 324.752†	115700.1	0.5546	mg/L	0.00627	2.773	mg/L	0.0313	1.13%
Fe 273.955†	210187.9	173.4	mg/L	0.57	867.2	mg/L	2.83	0.33%
K 766.490†	6615.3	5.072	mg/L	0.0877	25.36	mg/L	0.438	1.73%
Mg 279.077†	27222.1	21.95	mg/L	0.063	109.8	mg/L	0.31	0.29%
Mn 257.610†	38747.2	1.324	mg/L	0.0059	6.618	mg/L	0.0293	0.44%
Mo 202.031†	107.8	0.01926	mg/L	0.000564	0.09629	mg/L	0.002822	2.93%
Na 589.592†	35278.0	17.53	mg/L	0.078	87.66	mg/L	0.388	0.44%
Na 330.237†	382.6	17.60	mg/L	0.341	88.02	mg/L	1.706	1.94%
Ni 231.604†	143.2	0.1182	mg/L	0.00207	0.5912	mg/L	0.01033	1.75%
Pb 220.353†	6906.2	1.000	mg/L	0.0082	5.001	mg/L	0.0410	0.82%
Sb 206.836†	26.3	0.01915	mg/L	0.001618	0.09574	mg/L	0.008089	8.45%
Se 196.026†	-51.9	-0.01256	mg/L	0.003881	-0.06280	mg/L	0.019403	30.90%
Si 288.158†	948.5	0.5460	mg/L	0.00837	2.730	mg/L	0.0418	1.53%
Sn 189.927†	107.7	0.02527	mg/L	0.000329	0.1264	mg/L	0.00165	1.30%
Sr 421.552†	50334.2	0.1707	mg/L	0.00082	0.8535	mg/L	0.00412	0.48%
Ti 334.903†	55083.5	2.747	mg/L	0.0102	13.74	mg/L	0.051	0.37%
Tl 190.801†	-11.8	-0.01124	mg/L	0.001164	-0.05621	mg/L	0.005818	10.35%
V 292.402†	17623.7	0.1369	mg/L	0.00177	0.6846	mg/L	0.00883	1.29%
Zn 206.200†	728.8	0.6878	mg/L	0.00398	3.439	mg/L	0.0199	0.58%

Sequence No.: 17
Sample ID: LS34 MBSPK TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 33
Date Collected: 10/10/2007 1:29:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LS34 MBSPK TWC

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: LS34 MBSPK TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1843280.5	100.9	%	0.36				0.35%
ScR 361.383	158453.9	103.5	%	0.75				0.72%
Ag 328.068†	84700.3	0.5273	mg/L	0.00571	0.5273	mg/L	0.00571	1.08%
Al 308.215†	3317.5	2.023	mg/L	0.0115	2.023	mg/L	0.0115	0.57%
As 188.979†	2424.1	2.062	mg/L	0.0034	2.062	mg/L	0.0034	0.17%
B 249.677†	4.7	0.00103	mg/L	0.002604	0.00103	mg/L	0.002604	251.80%
Ba 233.527†	10967.8	1.980	mg/L	0.0036	1.980	mg/L	0.0036	0.18%
Be 313.042†	140247.7	0.5199	mg/L	0.00013	0.5199	mg/L	0.00013	0.02%
Ca 317.933†	103789.7	10.34	mg/L	0.007	10.34	mg/L	0.007	0.07%
Cd 228.802†	19948.4	0.4981	mg/L	0.00639	0.4981	mg/L	0.00639	1.28%
Co 228.616†	25674.9	0.5009	mg/L	0.00564	0.5009	mg/L	0.00564	1.13%
Cr 267.716†	2093.7	0.5099	mg/L	0.00206	0.5099	mg/L	0.00206	0.40%
Cu 324.752†	112321.6	0.5234	mg/L	0.00517	0.5234	mg/L	0.00517	0.99%
Fe 273.955†	2533.3	2.089	mg/L	0.0190	2.089	mg/L	0.0190	0.91%
K 766.490†	13633.5	10.45	mg/L	0.049	10.45	mg/L	0.049	0.46%
Mg 279.077†	13018.1	10.53	mg/L	0.030	10.53	mg/L	0.030	0.29%
Mn 257.610†	15407.9	0.5270	mg/L	0.00194	0.5270	mg/L	0.00194	0.37%
Mo 202.031†	21.3	0.00330	mg/L	0.000862	0.00330	mg/L	0.000862	26.12%
Na 589.592†	21074.3	10.47	mg/L	0.035	10.47	mg/L	0.035	0.34%
Na 330.237†	225.7	9.863	mg/L	0.4503	9.863	mg/L	0.4503	4.57%
Ni 231.604†	618.1	0.5101	mg/L	0.00656	0.5101	mg/L	0.00656	1.29%
Pb 220.353†	14101.2	2.047	mg/L	0.0239	2.047	mg/L	0.0239	1.17%
Sb 206.836†	14.4	0.00188	mg/L	0.001401	0.00188	mg/L	0.001401	74.46%
Se 196.026†	2060.4	1.946	mg/L	0.0092	1.946	mg/L	0.0092	0.47%
Si 288.158†	17.8	0.01059	mg/L	0.004761	0.01059	mg/L	0.004761	44.95%
Sn 189.927†	-24.5	-0.00713	mg/L	0.000166	-0.00713	mg/L	0.000166	2.33%
Sr 421.552†	145539.5	0.4985	mg/L	0.00205	0.4985	mg/L	0.00205	0.41%
Ti 334.903†	29.5	0.00132	mg/L	0.001272	0.00132	mg/L	0.001272	96.29%
Tl 190.801†	3976.8	1.952	mg/L	0.0077	1.952	mg/L	0.0077	0.39%
V 292.402†	61245.1	0.5313	mg/L	0.00675	0.5313	mg/L	0.00675	1.27%
Zn 206.200†	534.0	0.5038	mg/L	0.00516	0.5038	mg/L	0.00516	1.02%

Sequence No.: 18
Sample ID: CV 3
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 10/10/2007 1:35:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1846361.3	101.0	%	0.54				0.54%
ScR 361.383	160543.4	104.9	%	1.22				1.17%
Ag 328.068†	161869.7	1.008	mg/L	0.0075	1.008	mg/L	0.0075	0.74%
Al 308.215†	3152.3	1.890	mg/L	0.0179	1.890	mg/L	0.0179	0.95%
As 188.979†	2342.9	1.992	mg/L	0.0183	1.992	mg/L	0.0183	0.92%
B 249.677†	1827.8	0.9505	mg/L	0.01496	0.9505	mg/L	0.01496	1.57%
Ba 233.527†	5231.3	0.9447	mg/L	0.01260	0.9447	mg/L	0.01260	1.33%
Be 313.042†	263482.5	0.9766	mg/L	0.00659	0.9766	mg/L	0.00659	0.68%
Ca 317.933†	20273.6	2.019	mg/L	0.0153	2.019	mg/L	0.0153	0.76%
Cd 228.802†	38770.8	0.9813	mg/L	0.00621	0.9813	mg/L	0.00621	0.63%
Co 228.616†	49379.2	0.9627	mg/L	0.01084	0.9627	mg/L	0.01084	1.13%
Cr 267.716†	3916.7	0.9539	mg/L	0.01167	0.9539	mg/L	0.01167	1.22%
Cu 324.752†	226302.7	1.054	mg/L	0.0090	1.054	mg/L	0.0090	0.86%
Fe 273.955†	2358.4	1.943	mg/L	0.0259	1.943	mg/L	0.0259	1.33%
K 766.490†	26050.8	19.97	mg/L	0.209	19.97	mg/L	0.209	1.05%
Mg 279.077†	2434.2	1.972	mg/L	0.0232	1.972	mg/L	0.0232	1.18%
Mn 257.610†	28976.6	0.9903	mg/L	0.00055	0.9903	mg/L	0.00055	0.06%
Mo 202.031†	5710.2	0.9571	mg/L	0.00755	0.9571	mg/L	0.00755	0.79%
Na 589.592†	98584.7	48.99	mg/L	0.260	48.99	mg/L	0.260	0.53%
Na 330.237†	1078.5	48.26	mg/L	0.555	48.26	mg/L	0.555	1.15%
Ni 231.604†	1165.1	0.9639	mg/L	0.01362	0.9639	mg/L	0.01362	1.41%
Pb 220.353†	13761.9	1.998	mg/L	0.0226	1.998	mg/L	0.0226	1.13%
Sb 206.836†	3980.1	1.969	mg/L	0.0175	1.969	mg/L	0.0175	0.89%
Se 196.026†	2004.7	1.892	mg/L	0.0178	1.892	mg/L	0.0178	0.94%
Si 288.158†	3503.3	2.019	mg/L	0.0190	2.019	mg/L	0.0190	0.94%
Sn 189.927†	2778.9	0.8866	mg/L	0.00586	0.8866	mg/L	0.00586	0.66%
Sr 421.552†	277991.7	0.9523	mg/L	0.00681	0.9523	mg/L	0.00681	0.71%
Ti 334.903†	19568.3	0.9750	mg/L	0.00885	0.9750	mg/L	0.00885	0.91%
Tl 190.801†	3915.9	1.915	mg/L	0.0122	1.915	mg/L	0.0122	0.64%
V 292.402†	115439.5	1.006	mg/L	0.0081	1.006	mg/L	0.0081	0.81%
Zn 206.200†	1044.7	0.9847	mg/L	0.01346	0.9847	mg/L	0.01346	1.37%

Sequence No.: 19
Sample ID: CB 3
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/10/2007 1:42:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	157.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1865574.7	102.1	%	0.33				0.32%
ScR 361.383	157577.9	103.0	%	0.62				0.60%
Ag 328.068†	14.0	0.00009	mg/L	0.000232	0.00009	mg/L	0.000232	265.88%
Al 308.215†	6.8	0.00412	mg/L	0.015871	0.00412	mg/L	0.015871	385.34%
As 188.979†	6.5	0.00550	mg/L	0.002470	0.00550	mg/L	0.002470	44.95%
B 249.677†	8.5	0.00444	mg/L	0.001699	0.00444	mg/L	0.001699	38.27%
Ba 233.527†	-4.9	-0.00088	mg/L	0.000258	-0.00088	mg/L	0.000258	29.28%
Be 313.042†	-3.4	-0.00001	mg/L	0.000103	-0.00001	mg/L	0.000103	773.93%
Ca 317.933†	-3.5	-0.00035	mg/L	0.003740	-0.00035	mg/L	0.003740	>999.9%
Cd 228.802†	-1.4	-0.00007	mg/L	0.000092	-0.00007	mg/L	0.000092	129.93%
Co 228.616†	-0.1	0.00000	mg/L	0.000078	0.00000	mg/L	0.000078	>999.9%
Cr 267.716†	2.3	0.00057	mg/L	0.001295	0.00057	mg/L	0.001295	228.42%
Cu 324.752†	23.6	0.00011	mg/L	0.000157	0.00011	mg/L	0.000157	143.48%
Fe 273.955†	-5.4	-0.00448	mg/L	0.000880	-0.00448	mg/L	0.000880	19.63%
K 766.490†	112.1	0.08595	mg/L	0.011601	0.08595	mg/L	0.011601	13.50%
Mg 279.077†	5.8	0.00469	mg/L	0.005779	0.00469	mg/L	0.005779	123.11%
Mn 257.610†	2.3	0.00008	mg/L	0.000104	0.00008	mg/L	0.000104	132.12%
Mo 202.031†	3.5	0.00058	mg/L	0.000268	0.00058	mg/L	0.000268	46.13%
Na 589.592†	172.8	0.08588	mg/L	0.008233	0.08588	mg/L	0.008233	9.59%
Na 330.237†	-17.8	-0.7996	mg/L	1.11578	-0.7996	mg/L	1.11578	139.54%
Ni 231.604†	0.5	0.00043	mg/L	0.003397	0.00043	mg/L	0.003397	795.71%
Pb 220.353†	11.7	0.00170	mg/L	0.000588	0.00170	mg/L	0.000588	34.57%
Sb 206.836†	3.9	0.00193	mg/L	0.003716	0.00193	mg/L	0.003716	192.11%
Se 196.026†	2.7	0.00258	mg/L	0.004188	0.00258	mg/L	0.004188	162.18%
Si 288.158†	8.4	0.00481	mg/L	0.002613	0.00481	mg/L	0.002613	54.32%
Sn 189.927†	-0.5	-0.00015	mg/L	0.000477	-0.00015	mg/L	0.000477	318.91%
Sr 421.552†	0.8	0.00000	mg/L	0.000127	0.00000	mg/L	0.000127	>999.9%
Ti 334.903†	-0.7	-0.00004	mg/L	0.000662	-0.00004	mg/L	0.000662	>999.9%
Tl 190.801†	10.9	0.00536	mg/L	0.001612	0.00536	mg/L	0.001612	30.08%
V 292.402†	34.6	0.00031	mg/L	0.000108	0.00031	mg/L	0.000108	35.17%
Zn 206.200†	-1.7	-0.00159	mg/L	0.001794	-0.00159	mg/L	0.001794	113.07%

end package

Mercury Analysis Log

Analyst: EJR
Instrument: Cetac

Date: 10-09-07
Page: 3 of 5

ARI Sample ID	Prep Code	Dilution	QC Data (ppb)	Comments
STD 0.0	5mm	1X		
0.1				
0.5				
1.0				
2.0				
5.0				
10.0				
ICV			8.19	Begin CLP %R=102
ICB			-0.05	
CCV1			3.98	%R=100
CCB1			-0.02	
CRA			0.11	
LR71 mB			-0.00	
mBSPK			2.10	%R=105
a			0.09	
aDUP			0.09	NO RPD undetected
aSPK			1.09	%R=109
B				
C				
D				
E				
CCV2			3.81	%R=95
CCB2			-0.01	
LR71 F				
H				
I				
J				
K				
L				
LR67 mB	5mm	1X	-0.04	

Chemical/Reagent ID:
10% $SnCl_2$: MP1294
14% NH_2OH/NaCl: MP1297
Standard ID:
Standard: 2420-C
ICV/CCV: 43-4

Mercury Analysis Log

* all corrections by ESR 10-09-07

Analyst: ESR Date: 10-09-07

Instrument: Cetac Page: 12 of 5

ARI Sample ID	Prep Code	Dilution	QC Data (ppb)	Comments
LR67 mBSPK	5mm	1X	2.06	%R=103
a			0.83	
adup			0.84	
CCV 3			3.95	%R=99
CCB 3			-0.02	
LR67 aSPK			1.42	%R=59 X low
B				
C				
D				
E				
F				
S				
T				
U				
V				
CCV 4			3.69	%R=92
CCB 4			-0.02	
LR41 mB			-0.00	
mBSPK			2.02	%R=101
a			-0.01	
adup			0.00	
aSPK			1.06	%R=106
B				
C				
D				
E				
F				
CCV 5			3.93	%R=98
CCB 5			-0.02	
LR41 G	5mm	1X		

Chemical/Reagent ID:
10% $SnCl_2$: mP1294

14% NH_2OH/NaCl: mP1297

Standard ID:
Standard: 2420-6

ICV/CCV: 43-4

ANALYTICAL RESOURCES INCORPORATED

Metals Data Review Checklist

Method: ICP ICP-MS GFA CVA

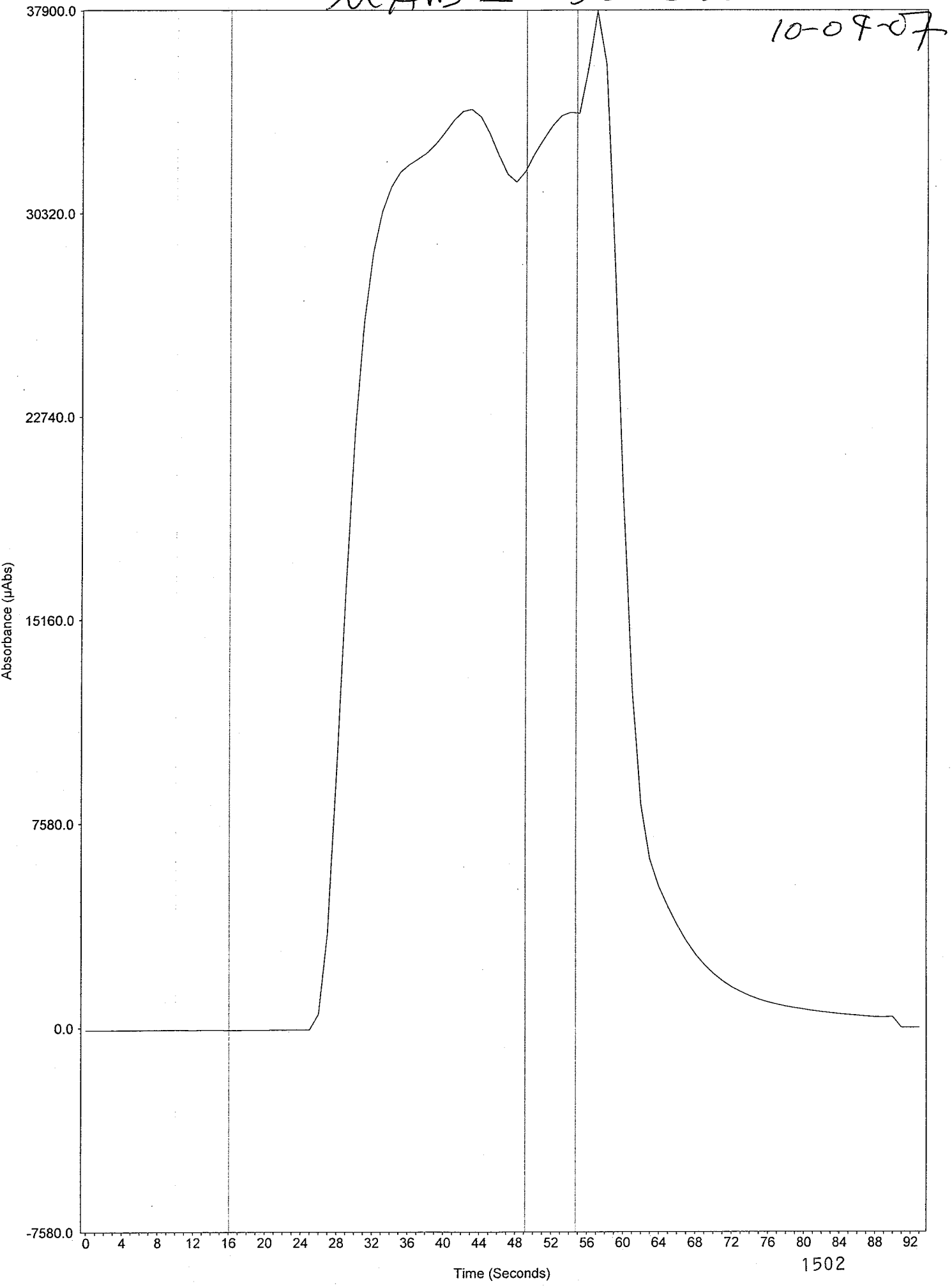
Analysis Date: 10-09-07

	Analyst ES14 10-09-07	Peer BLO 10.9	Comment
Logbook:			
Analyst, Date, Method info	✓	✓	
Sample ID's	✓	✓	
Standard/QC solution ID's recorded	✓	✓	
Prep codes	✓	✓	
Dilution factors	✓	✓	
Crossouts/Corrections/Deletions	✓	✓	
Calibration:			
Blank & Standard intensities	✓	✓	
Standard deviations	✓	✓	
Curve fit	✓	✓	
Calibration Verification:			
ICV/CCV	✓	✓	
ICB/CCB	✓	✓	
Samples:			
RSD's & SD's	✓	✓	
Internal Standards	—	—	
Carry-over	—	—	
Method QC:			
CRI/CRA	✓	✓	
ICSA/ICSAB	—	—	
Post Spikes/Serial Dilutions	—	—	
Analytic Spikes	—	—	
Matrix QC:			
SRM/LCS	✓	✓	
Matrix Spikes	✓	✓	LR67
Matrix Duplicates	✓	—	
Method Blanks	✓	✓	
Data Distribution:			
Requested elements/isotope identified	✓	—	
Correct samples identified for distribution	✓	—	
Raw data match distributed data	✓	—	
Data filename correct	✓	—	
Necessary Analysts Notes and CAF's	✓	✓	LR67

Std Tube 6

µAbs = 33382 ESR

10-09-07



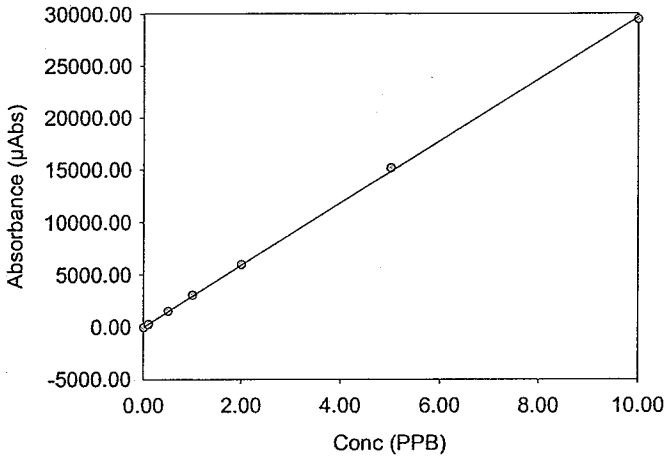
1502

CETAC Hg Analysis Report - 07100900.DB - Tuesday, October 09, 2007, 1:23:45 PM

Analyst
Date Started Tuesday, October 09, 2007, 10:54:43
Worksheet ARI 10ppb CALIB
Comment

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
Calibration Zero	09-Oct-2007, 10:54	0.00	48.70	-9.83	1.00	
Standard #1	09-Oct-2007, 10:56	0.10	0.71	296.00	1.00	
Standard #2	09-Oct-2007, 10:57	0.50	0.71	1530.00	1.00	
Standard #3	09-Oct-2007, 10:59	1.00	1.15	3070.00	1.00	
Standard #4	09-Oct-2007, 11:01	2.00	1.89	5990.00	1.00	
Standard #5	09-Oct-2007, 11:02	5.00	1.77	15200.00	1.00	
Standard #6	09-Oct-2007, 11:04	10.00	2.30	29500.00	1.00	

Calibration Data



Int.	0.000
Slope	2968.168
Correlation	0.99987

SMM

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
ICV	09-Oct-2007, 11:07	8.19	1.01	24300.00	1.00	Begin CLP
ICB	09-Oct-2007, 11:09	-0.05	1.81	-150.00	1.00	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
QC Standard	09-Oct-2007, 11:10	3.98	2.49	11800.00	1.00	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
QC Blank	09-Oct-2007, 11:12	-0.02	12.70	-74.20	1.00	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
CRA	09-Oct-2007, 11:14	0.11	0.83	314.00	1.00	
LR71 MB SMM	09-Oct-2007, 11:15	-0.00	32.60	-4.87	1.00	
LR71 MBSPK SMM	09-Oct-2007, 11:17	2.10	0.35	6220.00	1.00	
LR71 A SMM	09-Oct-2007, 11:18	0.09	0.59	275.00	1.00	
LR71 ADUP SMM	09-Oct-2007, 11:20	0.09	1.33	271.00	1.00	
LR71 ASPK SMM	09-Oct-2007, 11:22	1.09	1.07	3250.00	1.00	
LR71 B SMM	09-Oct-2007, 11:23	0.29	1.26	875.00	1.00	
LR71 C SMM	09-Oct-2007, 11:25	0.05	2.75	161.00	1.00	
LR71 D SMM	09-Oct-2007, 11:26	0.20	1.10	584.00	1.00	
LR71 E SMM	09-Oct-2007, 11:28	0.20	2.01	602.00	1.00	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
QC Standard	09-Oct-2007, 11:30	3.81	3.22	11300.00	1.00	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
QC Blank	09-Oct-2007, 11:31	-0.01	5.37	-34.90	1.00	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
LR71 F SMM	09-Oct-2007, 11:33	0.23	0.43	670.00	1.00	
LR71 H SMM	09-Oct-2007, 11:35	0.48	0.73	1430.00	1.00	
LR71 I SMM	09-Oct-2007, 11:36	0.09	0.92	254.00	1.00	
LR71 J SMM	09-Oct-2007, 11:38	0.51	0.68	1520.00	1.00	

1503

Analyst
Date Started Tuesday, October 09, 2007, 11:39:55
Worksheet ARI 10ppb CALIB
Comment

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
LR71 K SMM	09-Oct-2007, 11:39	0.44	0.61	1300.00	1.00	
LR71 L SMM	09-Oct-2007, 11:41	7.24	0.65	21500.00	1.00	
LR67 MB SMM	09-Oct-2007, 11:43	-0.04	10.90	-119.00	1.00	
LR67 MBSPK SMM	09-Oct-2007, 11:44	2.06	1.31	6100.00	1.00	
LR67 A SMM	09-Oct-2007, 11:46	0.83	1.40	2470.00	1.00	
LR67 ADUP SMM	09-Oct-2007, 11:48	0.84	3.29	2490.00	1.00	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
QC Standard	09-Oct-2007, 11:49	3.95	2.23	11700.00	1.00	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
QC Blank	09-Oct-2007, 11:51	-0.02	8.83	-48.90	1.00	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
LR67 ASPK SMM	09-Oct-2007, 11:52	1.42	1.54	4220.00	1.00	
LR67 B SMM	09-Oct-2007, 11:54	1.92	2.48	5700.00	1.00	
LR67 C SMM	09-Oct-2007, 11:56	0.01	32.80	22.50	1.00	
LR67 D SMM	09-Oct-2007, 11:57	0.02	1.67	65.80	1.00	
LR67 E SMM	09-Oct-2007, 11:59	0.03	2.09	91.60	1.00	
LR67 F SMM	09-Oct-2007, 12:01	0.14	1.38	401.00	1.00	
LR67 S SMM	09-Oct-2007, 12:02	0.02	1.96	69.20	1.00	
LR67 T SMM	09-Oct-2007, 12:04	0.03	3.37	80.00	1.00	
LR67 U SMM	09-Oct-2007, 12:05	0.01	7.13	36.60	1.00	
LR67 V SMM	09-Oct-2007, 12:07	0.03	3.99	87.00	1.00	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
QC Standard	09-Oct-2007, 12:09	3.69	2.39	11000.00	1.00	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
QC Blank	09-Oct-2007, 12:10	-0.02	8.88	45.40	1.00	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
LR41 MB SMM	09-Oct-2007, 12:12	-0.00	21.10	-7.42	1.00	
LR41 MBSPK SMM	09-Oct-2007, 12:14	2.02	0.69	5980.00	1.00	
LR41 A SMM	09-Oct-2007, 12:15	-0.01	18.50	-27.80	1.00	
LR41 ADUP SMM	09-Oct-2007, 12:17	0.00	51.90	2.81	1.00	
LR41 ASPK SMM	09-Oct-2007, 12:19	1.06	0.36	3130.00	1.00	
LR41 B SMM	09-Oct-2007, 12:20	-0.00	81.80	-1.28	1.00	
LR41 C SMM	09-Oct-2007, 12:22	-0.00	34.70	-5.20	1.00	
LR41 D SMM	09-Oct-2007, 12:23	0.01	7.86	31.20	1.00	
LR41 E SMM	09-Oct-2007, 12:25	-0.00	107.00	-3.07	1.00	
LR41 F SMM	09-Oct-2007, 12:27	0.02	5.39	60.50	1.00	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
QC Standard	09-Oct-2007, 12:28	3.93	2.95	11700.00	1.00	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
QC Blank	09-Oct-2007, 12:30	-0.02	4.95	-53.90	1.00	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
LR41 G SMM	09-Oct-2007, 12:32	0.01	1.97	21.30	1.00	
LR41 H SMM	09-Oct-2007, 12:33	-0.00	9.46	-4.43	1.00	
LR41 I SMM	09-Oct-2007, 12:35	0.00	104.00	4.57	1.00	
LR41 J SMM	09-Oct-2007, 12:36	0.00	26.00	9.95	1.00	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Dilution	Flags
QC Standard	09-Oct-2007, 12:38	3.95	2.37	11700.00	1.00	

MC 10/11/07

1504

Analyst	
Date Created:	Thursday, July 13, 2000
Worksheet	ARI 10ppb CALIB
Comment	
Sip Duration (Sec.):	30
Rinse Duration (Sec.):	60
Read Delay:	49
Integration Time/Replicate:	1.40
# of Replicates:	4
# of Repeats:	1
Baseline Correction Enabled:	True
Baseline Point 1 Start Time:	10
Baseline Point 1 End Time:	16
2-Point Baseline Corr. Enabled:	False
Baseline Point 2 Start Time:	
Baseline Point 2 End Time:	
Gas Flow (ml/min):	180
Calibration Algorithm:	Linear, Zero Intercept
Recalibration Frequency:	0
Reslope Frequency:	0
Reslope Standard:	5
Calibration Standard #1 Conc.:	0.10 PPB
Calibration Standard #2 Conc.:	0.50 PPB
Calibration Standard #3 Conc.:	1.00 PPB
Calibration Standard #4 Conc.:	2.00 PPB
Calibration Standard #5 Conc.:	5.00 PPB
Calibration Standard #6 Conc.:	10.00 PPB
QC Enabled:	True
QC-RSD Enabled:	True
Limit Condition & Error Action:	If %RSD > 5.0%, if µAbs. > 1500, Flag and Continue
QC-Std Enabled:	True
Limit Condition & Error Action:	If outside 80% .. 120%,Stop
QC-Blank Enabled:	True
Limit Condition & Error Action:	If outside -100 .. 100,Stop

Mercury Standard Prep Log

Digested 20.0mL

Prep Code: TWM
Analyst: EJR
Bath Temp: 95°C
Instrument: Cetac
Date: 10-08-07
Start Time: 1350
End Time: 1550

Standard ID	Stock ID	Volume Added (mL)	Final Volume (mL)	Standard Conc. (µg/L)	Number Made
STD0	—	0.00	100.0	0.0	1
STD1	2420.6	0.01	↑	0.1	1
STD2	↓	0.05	↑	0.5	1
STD3	↓	0.10	↑	1.0	1
STD4	↓	0.20	↑	2.0	1
STD5	↓	0.50	↑	5.0	1
STD6	↓	1.00	↑	10.0	1
CRA	↓	0.01	↑	0.1	1
ICB/CCB	—	0.00	↑	0.0	1
ICV/LCS	43-4	0.16	↓	8.0	1
CCV	43-4	0.08	100.0	4.0	1

Chemical/Reagent ID:
HNO_3: I3851
H_2SO_4: I3819
HCl: —
5% $K_2S_2O_8$: MP1297
5% $KMnO_4$: MP1298

Prep Code: SMM
Analyst: EJR
Bath Temp: —
Instrument: Cetac
Date: 10-08-07
Start Time: 1400
End Time: 1430

Standard ID	Stock ID	Volume Added (mL)	Final Volume (mL)	Standard Conc. (µg/L)	Number Made
STD0	—	0.00	100.0	0.0	2
STD1	2420.6	0.01	↑	0.1	2
STD2	↓	0.05	↑	0.5	2
STD3	↓	0.10	↑	1.0	2
STD4	↓	0.20	↑	2.0	2
STD5	↓	0.50	↑	5.0	2
STD6	↓	1.00	↑	10.0	2
CRA	↓	0.01	↑	0.1	2
ICB/CCB	—	0.00	↑	0.0	2
ICV/LCS	43-4	0.16	↓	8.0	2
CCV	43-4	0.08	100.0	4.0	2

Chemical/Reagent ID:
HNO_3: I3851
H_2SO_4: I3819
HCl: —
5% $K_2S_2O_8$: MP1297
5% $KMnO_4$: MP1298

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Mercury Digestion Log

Prep Code: 5mm Matrix: Soil
Analyst: DM Date: 10.05.07
Bath Temp: 95°C Start Time: 1500 End Time: 1530

ARI Sample ID	Sample Bottle #	BOD Bottle #	pH<2	Initial Weight (g) ~~Volume (mL)~~	Final Volume (mL)	# $KMnO_4$ Aliquots	CL P	Comments
LR71 A	4	I8	–	0.248	100.0	1	N	
" ADUP	4	I13	–	0.249		1		
" ASPK	4	I14	–	0.250		1		
" B	4	I23	–	0.294		1		
" C	4	I18	–	0.208		1		
" D	4	H21	–	0.204		1		
" E	4	N5	–	0.232		1		
" F	4	L23	–	0.242		1		
" H	4	P1	–	0.250		1		
" I	4	L8	–	0.290		1		
" J	4	P18	–	0.259		1		
" K	4	T18	–	0.207		1		
" L	4	T3	–	0.291		1		
" MB	–	C15	–	–		1		
" MBSPK	–	E9	–	–	100.0	1	N	

10.5.07 DM

Chemical/Reagent ID:
HNO_3: I3851 H_2SO_4: I3819 HCl: –
5% $K_2S_2O_8$: MP1276 5% $KMnO_4$: MP1298

Metals Prep Logs

prepared
for

ANCHOR ENVIRONMENTAL

Project : KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Metals Total Solids

Oven in:
Analyst: DM Date: 10-04-07 Time: 1555 Temp: 105°C

Oven out:
Analyst: DM Date: 10-05-07 Time: 0900 Temp: 102°C

ARI Sample ID	Tare Weight (g)	Tare + Sample Wet (g)	Tare + Sample Dry (g)	Comments
LR71 A	0.997	10.888	6.519	
" B	1.027	10.241	5.691	
" C	1.016	10.471	7.250	
" D	1.013	10.380	7.365	
" E	1.003	10.097	7.897	
" F	1.012	10.526	7.064	
" H	1.047	10.502	6.992	
" I	1.013	10.337	6.598	
" J	1.030	10.136	7.459	
" K	1.018	10.628	6.659	
" L	1.037	10.304	8.153	
		10-4-07	DM	

Analytical Resources,Incorporated
Analytical Chemists and Consultants

SPIKING LOG

Analyst: DM

Date: 10.05.07

Final Volume 50

Final Volume (Hg): 100

Sample ID LR71 ASPK, MBSPK

		Prepcode:	SWC		
		Spike Solution:	ICP Routine	ICP No GFA	GFA
		Standard No.:	2410-5		
		Vol Added (mL):	1.0		
	Ag		50 ✓		2.0
S	Al		200	200	
T	As		200 ✓		10
O	Ba		200	200	
C	Be		50	50	
K	Ca		1000	1000	
	Cd		50 ✓		2.0
	Co		50 ✗	NO DIL 50	
C	Cr		50 ✓	10-5 50	
O	Cu		50 ✓	50	
N	Fe		200	200	
C	K		1000	1000	
E	Mg		1000	1000	
N	Mn		50	50	
T	Na		1000	1000	
R	Ni		50 ✓	50	
A	Pb		200 ✓		10
T	Se		200		10
I	Sr		50	50	
O	Tl		200		10
N	V		50	50	
	Zn		50 ✓	50	

	ICP-MS #1	ICP-MS #2	ICP-MS Minerals
Ag	25		
Al			500
As	25		
Ba	25		
Be	25		
Ca			500
Cd	25		
Co	25		
Cr	25		
Cu	25		
Fe			500
K			500
Mg			500
Mn	25		
Mo		25	
Na			500
Ni	25		
Pb	25		
Sb		25	
Se	80		
Th	25		
U	25		
V	25		
Zn	80		

Element	Prepcode	Analysis	Stock Conc.	Stock Added	Std No.
Hg	SMM	CVA	1.0	0.1	2344-4
Hg MBSPK	↓	CVA	1.0	0.2	↓
Sb	SWC	ICP	2000	0.1	2368-6
Sb		GFA	100		
B		ICP	500		
Mo		ICP	500		
Si		ICP	10000		
Sn		ICP	500		
Ti		ICP	2000		

Additional Elements:

Element	Prepcode	Analysis	Stock Conc.	Stock Added	Std. No.

1510

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Mercury Digestion Log

Prep Code: 5mm
Analyst: DM
Bath Temp: 95°C
Start Time: 1500
Matrix: Soil
Date: 10.05.07
End Time: 1530

ARI Sample ID	Sample Bottle #	BOD Bottle #	pH<2	Initial Weight (g) ~~Volume (mL)~~	Final Volume (mL)	# $KMnO_4$ Aliquots	CL P	Comments
LR71 A	4	I8	–	0.248	100.0	10/9 1	N	
" ADUP	4	I13	–	0.249		1		
" ASPK	4	I14	–	0.250		1		
" B	4	I23	–	0.294		1		
" C	4	I18	–	0.208		1		
" D	4	H21	–	0.204		1		
" E	4	N5	–	0.232		1		
" F	4	L23	–	0.242		1		
" H	4	P1	–	0.250		1		
" I	4	L8	–	0.290		1		
" J	4	P18	–	0.259		1		
" K	4	T18	–	0.207		1		
" L	4	T3	–	0.291		1		
" MB	–	C15	–	–	↓	1	↓	
" MBSPK	–	E9	–	–	100.0	1	N	
				10.5.07 DM				

Chemical/Reagent ID:

HNO_3: I3851
H_2SO_4: I3819
HCl: –
5% $K_2S_2O_8$: MP1276
5% $KMnO_4$: MP1298

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Digestion Log

Analyst: DM Date: 10.05.07

Matrix: Soil Block Temp: 92°C

ARI Sample ID	Btl #	pH<2	Prep Code: SW3C Initial Wt (g) ~~Vol (mL)~~	Prep Code: SW3C Final Vol (mL)	Prep Code: Initial Wt (g) Vol (mL)	Prep Code: Final Vol (mL)	Comments
LB71 A	4	—	1.052	50.0			
" ADUP	4	—	1.053				
" ASPK	4	—	1.054				
" B	4	—	1.069				
" C	4	—	1.057				
" D	4	—	1.037				
" E	4	—	1.088				
" F	4	—	1.044				
" H	4	—	1.026				
" I	4	—	1.034				
" J	4	—	1.039				
" K	4	—	1.099				
" L	4	—	1.027				
" MB	—	—	—				
" MBSPK	—	—	—	50.0			
				10-5-07 DM			

Chemical/Reagent ID:

HNO_3: MP1299 / I3851 HCl: I2854 H_2O_2: I3850

ANALYTICAL
RESOURCES
INCORPORATED

ANALYST NOTES - Metals

ARI Job No: LR71 ~~LR71~~ 10.10

Client Name: Anchor

Parameter: ICP

Client Project:

☐ Job OK, no corrective action required

LR71 Asph 20%R for Sb

Analyst: [signature]

Date Analyzed: 10-10-07

5048F

Rev. 4
04/18/95

General Chemistry Analysis
QC Summary Data

prepared
for

ANCHOR ENVIRONMENTAL

Project : KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

METHOD BLANK RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	Blank
Total Solids	10/02/07	Percent	< 0.01 U
	10/02/07		< 0.01 U
	10/02/07		< 0.01 U
Total Organic Carbon	10/15/07	Percent	< 0.020 U

LAB CONTROL RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	LCS	Spike Added	Recovery
Total Organic Carbon	10/15/07	Percent	0.528	0.500	105.6%

STANDARD REFERENCE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Date	Units	SRM	True Value	Recovery
Total Organic Carbon NIST #8704	10/15/07	Percent	3.43	3.35	102.4%

REPLICATE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: LR71G Client ID: AN-SS-REF-070928					
Total Solids	10/02/07	Percent	74.20	74.20 74.30	0.1%
Total Organic Carbon	10/15/07	Percent	0.951	1.02 1.20	12.2%

MS/MSD RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Analyte	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: LR71G Client ID: AN-SS-REF-070928						
Total Organic Carbon	10/15/07	Percent	0.951	2.08	0.988	114.3%

General Chemistry Analysis
Sample Data

prepared
for

ANCHOR ENVIRONMENTAL

Project : KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Client ID: AN-SS-01-070927
ARI ID: 07-20766 LR71A

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	61.40
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	1.43

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Client ID: AN-SS-02-070927
ARI ID: 07-20767 LR71B

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	53.80
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	4.84

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Client ID: AN-SS-03-070928
ARI ID: 07-20768 LR71C

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	67.20
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	2.53

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Client ID: AN-SS-07-070928
ARI ID: 07-20769 LR71D

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	70.20
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	1.35

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Client ID: AN-SS-10-070928
ARI ID: 07-20770 LR71E

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	74.90
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	1.07

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Client ID: AN-SS-11-070928
ARI ID: 07-20771 LR71F

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	66.40
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	1.15

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Client ID: AN-SS-REF-070928
ARI ID: 07-20772 LR71G

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	74.20
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	0.951

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Client ID: AN-SS-04
ARI ID: 07-20773 LR71H

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	66.90
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	6.13

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Client ID: AN-SS-05
ARI ID: 07-20774 LR71I

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	61.70
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	2.42

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Client ID: AN-SS-06
ARI ID: 07-20775 LR71J

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	75.70
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	1.40

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Client ID: AN-SS-08
ARI ID: 07-20776 LR71K

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	60.80
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	1.75

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Client ID: AN-SS-09
ARI ID: 07-20777 LR71L

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	74.70
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	3.99

RL Analytical reporting limit
U Undetected at reported detection limit

General Chemistry Analysis
Instrument Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

Project : KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

LR71

(0-4-0)

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET

DATE: 10/2/2007

SOLIDS *(dry at 104 (12-24 hr) then combust at 550 (30 min))*

ANALYST: KE

Batch drying time		
record times as mm/dd/yy hh:mm		
10/2/2007 18:24	time in oven	KE
10/3/2007 10:48	time out	KE
elapsed hrs =	16.4	

TS (%) calculated as:
Final dry wt (g) = (Dry Wt - Tare Wt)
TS = (Final Dry Wt)/ (grams Sample-Tare)

TVS (mg/kg dry wt) calculated as:
Final ash wt (g) = (min ash wt - tare wt)
*TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000*
if ash wt > dry wt, "Chk for Err"
*if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000*

SAMPLE ID	DISH #	SAMPLE (grams)	TARE WT (grams)	DRY WT 104C (grams) 1			dry Wt (g)	TS (%)	ASH WT 550C (grams) 1	2		Ash Wt (g)	TVS (mg/kg)	(%)
	Cal Date -->	10/2/2007	10/2/2007	10/3/2007										
	Time & Initials -->	16:28 KE	15:28 KE	11:06 KE										
	Cal Wt (g) 10.0000	9.9996	9.9997	9.9995										
	record weights to 4 places	*Cal OK!*	*Cal OK!*	*Cal OK!*										
Blank			1.1079	1.1075			0.00							
LR71 A5		6.2959	1.0701	4.2772			3.21	61.4%						
LR71 B5		6.7079	1.1151	4.1238			3.01	53.8%						
LR71 C5		6.2558	1.0965	4.5620			3.47	67.2%						
LR71 D5		6.7645	1.0974	5.0782			3.98	70.2%						
LR71 E5		6.2895	1.1049	4.9889			3.88	74.9%						
LR71 F5		6.2282	1.0455	4.4873			3.44	66.4%						
LR71 G2		6.9480	1.0800	5.4362			4.36	74.2%						
LR71 G2 dup		6.6982	1.1229	5.2614			4.14	74.2%						
							RPD =	0.01%				RPD =	NA	
LR71 G2 trp		6.7504	1.1199	5.3061			4.19	74.3%						
							RSD =	0.09%				RSD =	NA	
LR71 H5		6.0769	1.0968	4.4293			3.33	66.9%						
LR71 I 5		6.1094	1.0822	4.1850			3.10	61.7%						
LR71 J 5		6.0019	1.1037	4.8128			3.71	75.7%						
LR71 K5		6.0151	1.0606	4.0710			3.01	60.8%						
LR71 L5		6.0694	1.0978	4.8111			3.71	74.7%						
LR61 A1		6.1572	1.0827	5.1927			4.11	81.0%						
LR61 B1		6.4696	1.1118	5.4484			4.34	80.9%						
LR61 C1		6.3677	1.1066	5.2998			4.19	79.7%						
LR61 C1 dup		6.3466	1.0985	5.4094			4.31	82.1%						
							RPD =	3.02%				RPD =	NA	
LR61 C1 trp		6.3652	1.0770	5.4430			4.37	82.6%						

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TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET

SOLIDS *(dry at 104 (12-24 hr) then combust at 550 (30 min))*

DATE: 10/2/2007

ANALYST: KE

Batch drying time			*TS (%) calculated as:*	*TVS (mg/kg dry wt) calculated as:*
record times as mm/dd/yy hh:mm			*Final dry wt (g) = (Dry Wt - Tare Wt)*	*Final ash wt (g) = (min ash wt - tare wt)*
10/2/2007 18:24	time in oven	KE	*TS = (Final Dry Wt)/ (grams Sample-Tare)*	*TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000*
10/3/2007 10:48	time out	KE		*if ash wt > dry wt, "Chk for Err"*
elapsed hrs =	16.4			*if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000*

SAMPLE ID	DISH #	SAMPLE (grams)	TARE WT (grams)	DRY WT 104C (grams) 1			dry Wt (g)	TS (%)	ASH WT 550C (grams) 1	2		Ash Wt (g)	TVS (mg/kg)	(%)
							RSD =	1.90%				RSD =	NA	
LR61 D1		6.1583	1.0846	5.3169			4.23	**83.4%**						
LR61 E1		6.8033	1.1268	6.4479			5.32	**93.7%**						
LR61 F1		6.4399	1.1027	5.7056			4.60	**86.2%**						
LR61 G1		6.0300	1.1042	5.6043			4.50	**91.4%**						
LR87 A1		6.4393	1.0993	5.9610			4.86	**91.0%**						
LR87 B1		6.2280	1.0913	5.6483			4.56	**88.7%**						
LR87 B1 dup		6.3265	1.1092	5.7210			4.61	**88.4%**						
							RPD =	0.36%				RPD =	NA	
LR87 B1 trp		6.4849	1.0819	5.8655			4.78	**88.5%**						
							RSD =	0.18%				RSD =	NA	
LR87 C1		6.4999	1.1110	5.4746			4.36	**81.0%**						
LR87 D1		6.3522	1.0946	5.4794			4.38	**83.4%**						
Blank			1.0786	1.0786			0.00							
LR87 E1		6.0663	1.0835	5.5487			4.47	**89.6%**						
LR87 F1		6.9503	1.0904	6.5426			5.45	**93.0%**						
LR87 G1		6.3718	1.1044	5.7265			4.62	**87.7%**						
LR87 H1		6.3803	1.1005	6.0068			4.91	**92.9%**						
LR87 I 1		6.6469	1.1029	6.1998			5.10	**91.9%**						
LR87 J 1		6.5162	1.0792	5.9025			4.82	**88.7%**						
LR87 K1		6.1423	1.1201	5.3353			4.22	**83.9%**						
LR87 L1		6.9261	1.1055	5.8074			4.70	**80.8%**						
LR86 B1		6.4135	1.1192	4.1363			3.02	**57.0%**						
LR86 C1		6.9504	1.0986	4.9665			3.87	**66.1%**						
LR86 D1		6.8972	1.0549	3.9406			2.89	**49.4%**						
LR86 E1		6.7259	3.1107	4.6438			1.53	**42.4%**						
LR86 F1		6.1996	1.0463	5.0825			4.04	**78.3%**						

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TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET

DATE: 10/2/2007

SOLIDS *(dry at 104 (12-24 hr) then combust at 550 (30 min))*

ANALYST: KE

Batch drying time			*TS (%) calculated as:*	*TVS (mg/kg dry wt) calculated as:*
record times as mm/dd/yy hh:mm			*Final dry wt (g) = (Dry Wt - Tare Wt)*	*Final ash wt (g) = (min ash wt - tare wt)*
10/2/2007 18:24	time in oven	KE	*TS = (Final Dry Wt)/ (grams Sample-Tare)*	*TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000*
10/3/2007 10:48	time out	KE		*if ash wt > dry wt, "Chk for Err"*
elapsed hrs =	16.4			*if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000*

SAMPLE ID	DISH #	SAMPLE (grams)	TARE WT (grams)	DRY WT 104C (grams) 1			dry Wt (g)	TS (%)	ASH WT 550C (grams) 1	2		Ash Wt (g)	TVS (mg/kg)	TVS (%)
LR86 G1		6.2196	1.0831	4.0868			3.00	**58.5%**						
LR86 H1		6.4140	1.0975	2.5838			1.49	**28.0%**						
LR86 I 1		6.1206	1.0640	3.2846			2.22	**43.9%**						
LR86 J 1		6.6899	1.0804	4.2226			3.14	**56.0%**						
LR86 K1		6.6999	1.0657	4.6274			3.56	**63.2%**						
LR86 L1		6.3944	1.0839	2.4026			1.32	**24.8%**						
Blank			1.1318	1.1316			0.00							
LR87 N1		6.3155	1.0726	5.1935			4.12	**78.6%**						

1536

LR 71

10-8-07

TOC Solids Prep Log

DATE: 10/1/2007

ANALYST: KE 18:44

acid purging to remove IC and drying at 70°C for TOC analysis

General notes regarding prep method and samples (identify the acid used)

make no entry to shaded cells, they are calculated

Sample ID		IC Test	Gravimetric Data (grams)			%	Sample description & notes
ARI #	Client	+ / -	Tare Wt.	Wet wt.	70°C dry wt	Solids	(homogeneity and exclusions)
Blank			13.0583		13.0583	0 mg	
LR71 A5		++-	12.9096	18.6159	16.5011	62.94%	
LR71 B5		++-	12.9054	18.5938	16.2713	59.17%	
LR71 C5		+++-	13.0864	18.6889	17.1114	71.84%	
LR71 D5		+++-	13.1097	18.2942	17.0384	75.78%	
LR71 E5		++-	12.9236	18.4714	17.4786	82.10%	
LR71 F5		-	13.0973	18.1935	16.5479	67.71%	
LR71 G5		-	13.1054	18.5368	17.2867	76.98%	
LR71 G5 DUP		-	13.0645	18.3919	17.1794	77.24%	
LR71 G5 TRIP		-	13.0597	18.7936	17.4664	76.85%	
LR71 H5		-	13.1445	18.9380	16.8958	64.75%	
LR71 I 5		-	13.1641	18.9161	16.7180	61.79%	
LR71 J 5		+++-	13.0809	18.6421	18.0829	89.94%	
LR71 K5		-	13.1743	18.2514	16.3832	63.20%	
LR71 L5		-	13.1268	18.4081	17.3390	79.76%	
LR61 A1		-	13.0881	18.5433	17.6467	83.56%	
LR61 B1		++-	13.1577	18.1664	17.7414	91.51%	
LR61 C1		++-	12.8825	18.4792	17.9658	90.83%	
LR61 C1 DUP		++-	13.1024	18.7707	18.1308	88.71%	
LR61 C1 TRIP		++-	12.9167	18.5017	17.8976	89.18%	
LR61 D1		-	13.1218	18.0040	17.3876	87.37%	
LR61 E1		-	13.0438	18.6945	18.4049	94.87%	
LR61 F1		-	12.8717	18.2485	17.7264	90.29%	
LR61 G1		-	13.1094	18.6994	18.3413	93.59%	
LR87 A1		-	12.8492	18.7491	18.4086	94.23%	
LR87 B1		-	12.8667	18.4784	17.9852	91.21%	
LR87 B1 DUP		-	13.1199	18.5646	18.0849	91.19%	
LR87 B1 TRIP		-	13.0700	18.7962	18.2883	91.13%	
LR87 C1		-	13.1199	18.2404	17.3973	83.53%	
LR87 D1		-	13.1018	18.0590	17.3799	86.30%	
Blank			13.1831		13.1828	-0.3 mg	
LR87 E1		-	13.1328	18.9948	18.7313	95.50%	
LR87 F1		-	13.1529	18.2713	17.9581	93.88%	
LR87 G1		-	13.1107	18.4796	17.9524	90.18%	

Sample ID		IC Test	Gravimetric Data (grams)			%	*Sample description & notes*
ARI #	Client	+ / -	Tare Wt.	Wet wt.	70°C dry wt	Solids	*(homogeneity and exclusions)*
LR87 H1		-	12.9552	18.5447	18.2980	95.59%	
LR87 I 1		-	12.8743	18.5094	18.2092	94.67%	
LR87 J 1		-	12.8475	18.9070	18.3764	91.24%	
LR87 K1		++-	12.8548	18.5745	18.0466	90.77%	
LR87 L1		-	13.1167	18.3242	17.4708	83.61%	
LR86 B1		+-	12.8872	18.7488	16.6596	64.36%	
LR86 C1		+++-	12.9653	18.8375	15.0958	36.28%	
LR86 D1		+++-	12.8685	18.6716	16.1714	56.92%	
LR86 E1		+++-	13.0459	18.3209	17.0852	76.57%	
LR86 F1			13.1069	18.9075			
LR86 G1			13.1807	18.3616			
LR86 H1		++-	12.9056	18.5566	14.7305	32.29%	
LR86 I 1			12.9691	18.4530			
LR86 J 1		-	13.1534	18.4317	15.4999	44.46%	
LR86 K1		+++-	13.1368	18.4970	16.9982	72.04%	
LR86 L1		+++-	12.8519	18.6238	14.6659	31.43%	
Blank			13.1362		13.1364	0.2 mg	
LR87 N1			13.0188	18.9499	17.8469	81.40%	

LR71

10-16-07

TOC, Solids Data Analysis

Mode: NPOC *Inlet:* Boat

Spike Std = 2,000 *ppm C*

DATE:	10/15/2007
ANALYST:	KE 10:26

Calibration Data

Calibration Standard	Source:	ARI # 0075 - 4				Conc:	2,000	ppm
Observed Values (µg/g)					mean	*Cal Factor*		
1,587	1,569	1,579			1,578	*1.267*		
Verification Standard	Source:	SPEX - 02 - 8 TOC				Conc:	5,000	ppm
ICV	CCV	CCV	CCV	CCV	*mean*	*% Rec*		
5,282	5,078	4,976	5,009		*5,086*	*101.7%*		
Standard Reference Material	Source:	***NIST 8704***				Conc:	**33,510**	ppm

Blank Data

System Blanks (enter "observed C")

Replicate determinations					Mean	condition
15.50	23.86	34.10	7.12		20.14	OK !

Silica Blanks (enter "corrected C" at end of run)

Replicate determinations					Mean	condition

Historical Blank Limits

mean	*stdev*
17.8	7.23
updated	*9/27/2005*
LBL	-3.9
UBL	39.5

Sample Data *(Entered data must match the Dohrmann output report !)*

"Corrected C" (no dilution) = "Observed C" - Mean Blank

*"Corrected C" (with dilution) = ("Observed C" - (Mean silica Blank * %Silica)) * Dilution Factor*

Sample ID	Dilution Data				Spike	Combustion Data			
	Sample wt. (mg)	Final wt. (mg)	Silica (%)	Dilution Factor	(µL Std)	Burn wt. (mg)	Observed C (ppm C)	Corrected C (ppm C)	
ICV				1.00		10.0	5302	5,282	*105.64%*
Blank				1.00		10.0	15.5		*Blank OK*
NIST 8704				1.00		2.8	34320	34,300	*102.36%*
LR71 G2				1.00		1.7	9186	9,166	*Range OK!*
LR71 G2 dup				1.00		1.5	9815	9,795	*RPD=6.6%*
LR71 G2 trp				1.00		1.9	11550	11,530	*RSD=12%*
LR71 G2 ms				1.00	10	2.1	20100	20,080	*Range OK!*
Spike =	*0.02*	*mg C to*	*2.1*	*mg samp=*	*9,524*	*ppm*		*115%*	
LR71 A1				1.00		1.1	14010	13,990	*Range OK!*
LR71 B1				1.00		1.1	44000	43,980	*Range OK!*
LR71 C1				1.00		1.0	23720	23,700	*Range OK!*
LR71 D1				1.00		1.1	12550	12,530	*Range OK!*
LR71 E1				1.00		1.4	9789	9,769	*Range OK!*
CCV				1.00		10.0	5098	5,078	*101.56%*
Blank				1.00		10.0	23.86		*Blank OK*
LR71 F1				1.00		1.4	11270	11,250	*Range OK!*
LR71 H1				1.00		1.1	63310	63,290	*Range OK!*
LR71 I 1				1.00		1.6	24220	24,200	*Range OK!*
LR71 J 1				1.00		1.6	11810	11,790	*Range OK!*
LR71 K1				1.00		1.7	16890	16,870	*Range OK!*
LR71 L1				1.00		1.0	37420	37,400	*Range OK!*
LR61 A1				1.00		2.1	2216	2,196	*Range OK!*
LR61 B1				1.00		2.5	2758	2,738	*Range OK!*
LR61 D1				1.00		3.2	2013	1,993	*Range OK!*
LR61 E1				1.00		1.3	15400	15,380	*Range OK!*
CCV				1.00		10.0	4996	4,976	*99.52%*
Blank				1.00		10.0	34.1		*Blank OK*
LR61 F1				1.00		3.5	318.2	298	*Range OK!*
LR61 G1				1.00		3.3	698.2	678	*Range OK!*
~~LR61 C1~~			-	~~1.00~~		~~2.6~~	~~609.5~~	~~589~~	~~*Range OK!*~~

Sample Data *(Entered data must match the Dohrmann output report !)*

"Corrected C" (no dilution) = "Observed C" - Mean Blank

*"Corrected C" (with dilution) = ("Observed C" - (Mean silica Blank * %Silica)) * Dilution Factor*

Sample ID	Dilution Data				Spike	Combustion Data			
	Sample wt. (mg)	Final wt. (mg)	Silica (%)	Dilution Factor	(µL Std)	Burn wt. (mg)	Observed C (ppm C)	Corrected C (ppm C)	
~~LR61 C1 dup~~				~~1.00~~		~~2.4~~	~~489.1~~	~~469~~	~~*RPD=22.8%*~~
LR61 C1				1.00		2.4	915.2	895	*Range OK!*
LR61 C1 dup				1.00		2.4	936.2	916	*RPD=2.3%*
LR61 C1 trp				1.00		2.8	860.8	841	*RSD=4.4%*
LR61 C1 ms				1.00	10	3.5	7794	7,774	*Range OK!*
Spike =	*0.02*	*mg C to*	*3.5*	*mg samp=*	*5,714*	*ppm*		*120%*	
~~NIST 8704~~			-	~~1.00~~		~~3.7~~	~~23730~~	~~23,710~~	~~*70.75%*~~
NIST 8704				1.00		3.2	32410	32,390	*96.66%*
CCV				1.00		10.0	5029	5,009	*100.18%*
Blank				1.00		10.0	7.116		*Blank OK*

Geotech Analysis

prepared
for

ANCHOR ENVIRONMENTAL

Project : KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

DATA QUALIFIERS FOR PHYSICAL ANALYSES

SM Indicates that the sample matrix was not appropriate for the requested analysis. This normally refers to samples contaminated with an organic product that interferes with moisture content, porosity, and saturation calculations that assume only water is present. It can also cause particles to adhere to one another, causing errors in grain size distribution analyses.

SS Indicates that the sample was not appropriate for the method requested because it did not contain the proportion of "fines'" required to perform the pipette portion of the analysis.

W Indicates that the amount of sample in some pipette readings was below the level required for accurate weighing, resulting in negative weights, which were adjusted to eliminate the negative value.

F Indicates that the samples were frozen prior to particle size determination.

ANALYTICAL RESOURCES INCORPORATED

GEOTECHNICAL ANALYSIS DATA SHEET
Organic Matter by Method ASTM D2974

Data Release Authorized: gs
Reported: 10/16/07
Date Received: 09/29/07
Page 1 of 1

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Client/ ARI ID	Date Sampled	Matrix	Analysis Date	Result
AN-SS-01-070927 LR71A 07-20766	09/27/07	Sediment	10/16/07 19:14	17.02
AN-SS-02-070927 LR71B 07-20767	09/27/07	Sediment	10/16/07 19:14	7.84
AN-SS-03-070928 LR71C 07-20768	09/28/07	Sediment	10/16/07 19:14	3.83
AN-SS-07-070928 LR71D 07-20769	09/28/07	Sediment	10/16/07 19:14	2.54
AN-SS-10-070928 LR71E 07-20770	09/28/07	Sediment	10/16/07 19:14	2.03
AN-SS-11-070928 LR71F 07-20771	09/28/07	Sediment	10/16/07 19:14	9.67
AN-SS-04 LR71H 07-20773	09/28/07	Sediment	10/16/07 19:14	8.97
AN-SS-05 LR71I 07-20774	09/27/07	Sediment	10/16/07 19:14	6.37
AN-SS-06 LR71J 07-20775	09/28/07	Sediment	10/16/07 19:14	16.57
AN-SS-08 LR71K 07-20776	09/27/07	Sediment	10/16/07 19:14	1.41
AN-SS-09 LR71L 07-20777	09/27/07	Sediment	10/16/07 19:14	11.02

Reported in Percent

Organic/Ash Content Burn Temperature 440 C Per ASTM D2974

GEOTECHNICAL ANALYSIS DATA SHEET
Total Solids by Method ASTM D2974

ANALYTICAL RESOURCES INCORPORATED

Data Release Authorized: gs
Reported: 10/16/07
Date Received: 09/29/07
Page 1 of 1

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Client/ ARI ID	Date Sampled	Matrix	Analysis Date	Result
AN-SS-01-070927 LR71A 07-20766	09/27/07	Sediment	10/16/07 19:14	54.79
AN-SS-02-070927 LR71B 07-20767	09/27/07	Sediment	10/16/07 19:14	52.05
AN-SS-03-070928 LR71C 07-20768	09/28/07	Sediment	10/16/07 19:14	67.24
AN-SS-07-070928 LR71D 07-20769	09/28/07	Sediment	10/16/07 19:14	71.34
AN-SS-10-070928 LR71E 07-20770	09/28/07	Sediment	10/16/07 19:14	75.77
AN-SS-11-070928 LR71F 07-20771	09/28/07	Sediment	10/16/07 19:14	62.89
AN-SS-04 LR71H 07-20773	09/28/07	Sediment	10/16/07 19:14	62.59
AN-SS-05 LR71I 07-20774	09/27/07	Sediment	10/16/07 19:14	61.03
AN-SS-06 LR71J 07-20775	09/28/07	Sediment	10/16/07 19:14	59.27
AN-SS-08 LR71K 07-20776	09/27/07	Sediment	10/16/07 19:14	80.57
AN-SS-09 LR71L 07-20777	09/27/07	Sediment	10/16/07 19:14	78.96

GEOTECHNICAL ANALYSIS DATA SHEET
Ash Content by Method ASTM D2974

ANALYTICAL RESOURCES INCORPORATED

Data Release Authorized: gs
Reported: 10/16/07
Date Received: 09/29/07
Page 1 of 1

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Client/ ARI ID	Date Sampled	Matrix	Analysis Date	Result
AN-SS-01-070927 LR71A 07-20766	09/27/07	Sediment	10/16/07 19:14	82.98
AN-SS-02-070927 LR71B 07-20767	09/27/07	Sediment	10/16/07 19:14	92.16
AN-SS-03-070928 LR71C 07-20768	09/28/07	Sediment	10/16/07 19:14	96.17
AN-SS-07-070928 LR71D 07-20769	09/28/07	Sediment	10/16/07 19:14	97.46
AN-SS-10-070928 LR71E 07-20770	09/28/07	Sediment	10/16/07 19:14	97.97
AN-SS-11-070928 LR71F 07-20771	09/28/07	Sediment	10/16/07 19:14	90.33
AN-SS-04 LR71H 07-20773	09/28/07	Sediment	10/16/07 19:14	91.03
AN-SS-05 LR71I 07-20774	09/27/07	Sediment	10/16/07 19:14	93.63
AN-SS-06 LR71J 07-20775	09/28/07	Sediment	10/16/07 19:14	83.43
AN-SS-08 LR71K 07-20776	09/27/07	Sediment	10/16/07 19:14	98.59
AN-SS-09 LR71L 07-20777	09/27/07	Sediment	10/16/07 19:14	88.98

Organic/Ash Content Burn Temperature 440 C Per ASTM D2974

Anchor Environmental, LLC
Kimberly Clark Anacortes

Apparent Grain Size Distribution Summary
Percent Finer Than Indicated Size

Sample No.	Gravel			Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt				Clay	
Phi Size	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Sieve Size (microns)	3/8"	#4	#10 (2000)	#18 (1000)	#35 (500)	#60 (250)	#120 (125)	#230 (62)	31.00	15.60	7.80	3.90	2.00	1.00
AN-SS-REF-070928	100.0	100.0	99.9	99.7	94.4	29.7	11.9	10.3	8.9	6.7	5.1	3.6	2.6	1.7
AN-SS-REF-070928	100.0	100.0	100.0	99.7	94.8	30.1	12.0	10.4	9.0	7.2	5.4	4.3	3.3	2.1
AN-SS-REF-070928	100.0	100.0	99.9	99.6	94.4	29.8	12.0	10.4	9.1	6.6	5.6	4.4	3.2	2.0
AN-SS-01-070927	100.0	83.7	74.2	71.0	68.2	63.3	57.2	31.9	19.2	13.1	9.9	7.7	5.9	4.4
AN-SS-02-070927	100.0	99.4	92.8	88.3	84.1	70.9	31.0	24.5	22.9	17.3	12.2	9.0	6.8	5.0
AN-SS-03-070928	100.0	99.1	95.7	92.9	90.3	71.8	27.1	15.8	8.9	6.3	4.7	3.7	2.9	2.3
AN-SS-07-070928	100.0	96.6	93.1	90.3	84.5	67.0	31.3	11.7	6.1	4.9	3.8	3.0	2.4	1.9
AN-SS-10-070928	100.0	66.3	57.1	51.0	44.0	27.4	15.6	10.8	6.8	4.9	3.7	2.8	2.1	1.5
AN-SS-11-070928	100.0	97.5	93.8	91.5	89.6	71.3	34.2	16.5	8.8	5.8	4.4	3.5	2.8	2.2
AN-SS-04	100.0	75.0	57.6	42.3	23.4	14.2	11.3	9.9	7.9	6.4	4.9	3.6	2.6	1.9
AN-SS-05	100.0	98.1	95.6	94.0	90.5	54.1	11.2	6.9	6.4	5.1	3.9	3.2	2.6	2.1
AN-SS-06	100.0	59.1	49.0	37.0	21.9	6.5	1.8	0.8	NA	NA	NA	NA	NA	NA
AN-SS-08	100.0	99.1	96.3	93.4	88.7	71.0	21.8	7.4	4.6	3.9	3.6	2.5	2.1	1.9
AN-SS-09	100.0	66.4	42.8	32.2	25.1	15.2	2.5	0.0	NA	NA	NA	NA	NA	NA

Notes to the Testing:

1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

LR71

Anchor Environmental, LLC
Kimberly Clark Anacortes

Apparent Grain Size Distribution Summary
Percent Retained in Each Size Fraction

Sample No.	Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Coarse Silt	Medium Silt	Fine Silt	Very Fine Silt	Clay			Total Fines
Phi Size	> -1	-1 to 0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	< 10	<4
Sieve Size (microns)	> #10 (2000)	10 to 18 (2000-1000)	18-35 (1000-500)	35-60 (500-250)	60-120 (250-125)	120-230 (125-62)	62.5-31.0	31.0-15.6	15.6-7.8	7.8-3.9	3.9-2.0	2.0-1.0	<1.0	<230 (<62)
AN-SS-REF-070928	0.1	0.3	5.3	64.7	17.8	1.6	1.4	2.3	1.6	1.5	1.0	0.9	1.7	10.3
AN-SS-REF-070928	0.0	0.2	4.9	64.7	18.1	1.6	1.4	1.8	1.8	1.1	1.1	1.1	2.1	10.4
AN-SS-REF-070928	0.1	0.3	5.2	64.6	17.8	1.6	1.3	2.5	1.0	1.2	1.2	1.1	2.0	10.4
AN-SS-01-070927	25.8	3.2	2.9	4.9	6.1	25.3	12.7	6.1	3.3	2.1	1.8	1.6	4.4	31.9
AN-SS-02-070927	7.2	4.5	4.2	13.2	39.9	6.5	1.5	5.7	5.1	3.2	2.1	1.8	5.0	24.5
AN-SS-03-070928	4.3	2.8	2.7	18.5	44.7	11.3	6.9	2.6	1.6	1.0	0.8	0.7	2.3	15.8
AN-SS-07-070928	6.9	2.8	5.8	17.6	35.7	19.6	5.6	1.2	1.2	0.7	0.6	0.6	1.9	11.7
AN-SS-10-070928	42.9	6.1	7.0	16.6	11.8	4.8	4.0	1.9	1.2	0.8	0.7	0.6	1.5	10.8
AN-SS-11-070928	6.2	2.3	1.9	18.3	37.0	17.8	7.6	3.1	1.4	0.9	0.7	0.6	2.2	16.5
AN-SS-04	42.4	15.3	18.9	9.2	2.9	1.4	2.0	1.5	1.5	1.3	0.9	0.7	1.9	9.9
AN-SS-05	4.4	1.6	3.5	36.4	42.9	4.3	0.5	1.3	1.2	0.7	0.6	0.4	2.1	6.9
AN-SS-06	51.0	12.0	15.0	15.4	4.7	1.0	NA	NA	NA	NA	NA	NA	NA	0.8
AN-SS-08	3.7	2.9	4.8	17.6	49.2	14.3	2.8	0.7	0.3	1.0	0.4	0.2	1.9	7.4
AN-SS-09	57.2	10.6	7.1	9.9	12.7	2.5	NA	NA	NA	NA	NA	NA	NA	0.0

Notes to the Testing:
1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

LR71

QA SUMMARY

PROJECT:	Anchor Environmental, LLC	Project No.:	Kimberly Clark Anacortes
ARI Triplicate Sample ID:	LR71 G	Batch No.:	LR71 -1
Client Triplicate Sample ID:	AN-SS-REF-070928	Page:	1 of 1

Relative Standard Deviation, By Phi Size

Sample ID	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
AN-SS-REF-070928	100.0	100.0	99.9	99.7	94.4	29.7	11.9	10.3	8.9	6.7	5.1	3.6	2.6	1.7
AN-SS-REF-070928	100.0	100.0	100.0	99.7	94.8	30.1	12.0	10.4	9.0	7.2	5.4	4.3	3.3	2.1
AN-SS-REF-070928	100.0	100.0	99.9	99.6	94.4	29.8	12.0	10.4	9.1	6.6	5.6	4.4	3.2	2.0
AVE	NA	99.98	99.94	99.67	94.53	29.86	11.98	10.39	9.02	6.82	5.36	4.10	2.99	1.94
STDEV	NA	0.03	0.03	0.05	0.23	0.22	0.07	0.05	0.08	0.33	0.27	0.42	0.37	0.23
%RSD	NA	0.03	0.03	0.05	0.24	0.74	0.54	0.45	0.93	4.87	5.01	10.20	12.49	12.11

The Triplicate Applies To The Following Samples

Client ID	Date Sampled	Date Extracted	Date Complete	QA Ratio (95-105)	Data Qualifiers	Pipette Portion (5.0-25.0g)
AN-SS-REF-070928	9/28/2007	10/10/2007	10/17/2007	100.0		11.4
AN-SS-REF-070928	9/28/2007	10/10/2007	10/17/2007	100.2		11.5
AN-SS-REF-070928	9/28/2007	10/10/2007	10/17/2007	100.1		11.5
AN-SS-01-070927	9/27/2007	10/10/2007	10/17/2007	101.3		13.7
AN-SS-02-070927	9/27/2007	10/10/2007	10/17/2007	99.1		9.3
AN-SS-03-070928	9/28/2007	10/10/2007	10/17/2007	103.5		12.6
AN-SS-07-070928	9/28/2007	10/10/2007	10/17/2007	104.4		11.7
AN-SS-10-070928	9/28/2007	10/10/2007	10/17/2007	102.3		13.1
AN-SS-11-070928	9/28/2007	10/10/2007	10/17/2007	101.2		16.0
AN-SS-04	9/28/2007	10/10/2007	10/17/2007	100.7		10.0
AN-SS-05	9/27/2007	10/10/2007	10/17/2007	99.0	SS	4.8
AN-SS-06	9/28/2007	10/10/2007	10/17/2007	97.1	SS	1.0
AN-SS-08	9/27/2007	10/10/2007	10/17/2007	100.8		6.6
AN-SS-09	9/27/2007	10/10/2007	10/17/2007	97.6	SS, W, SM	0.0

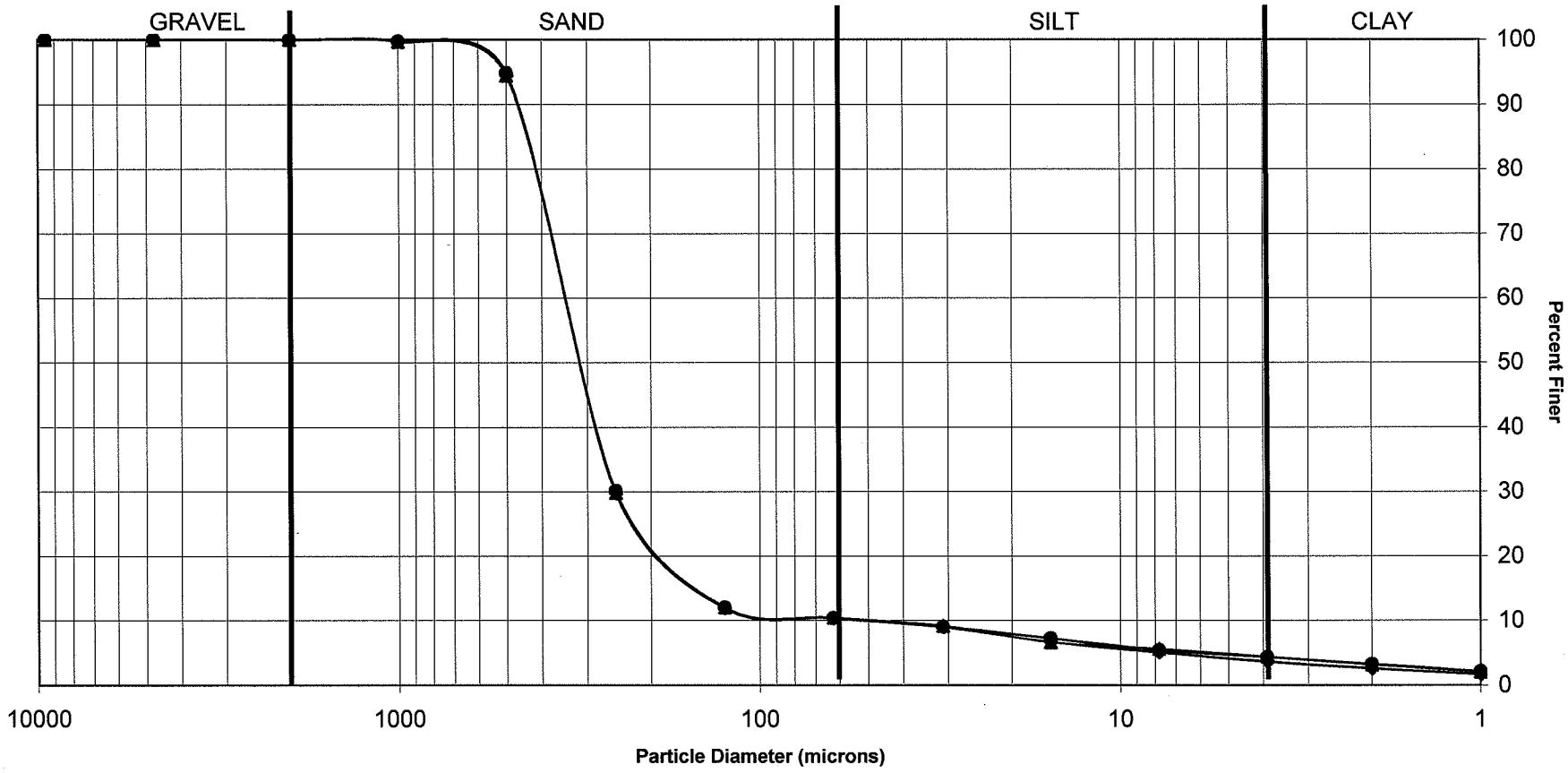
* ARI Internal QA limits = 95-105%

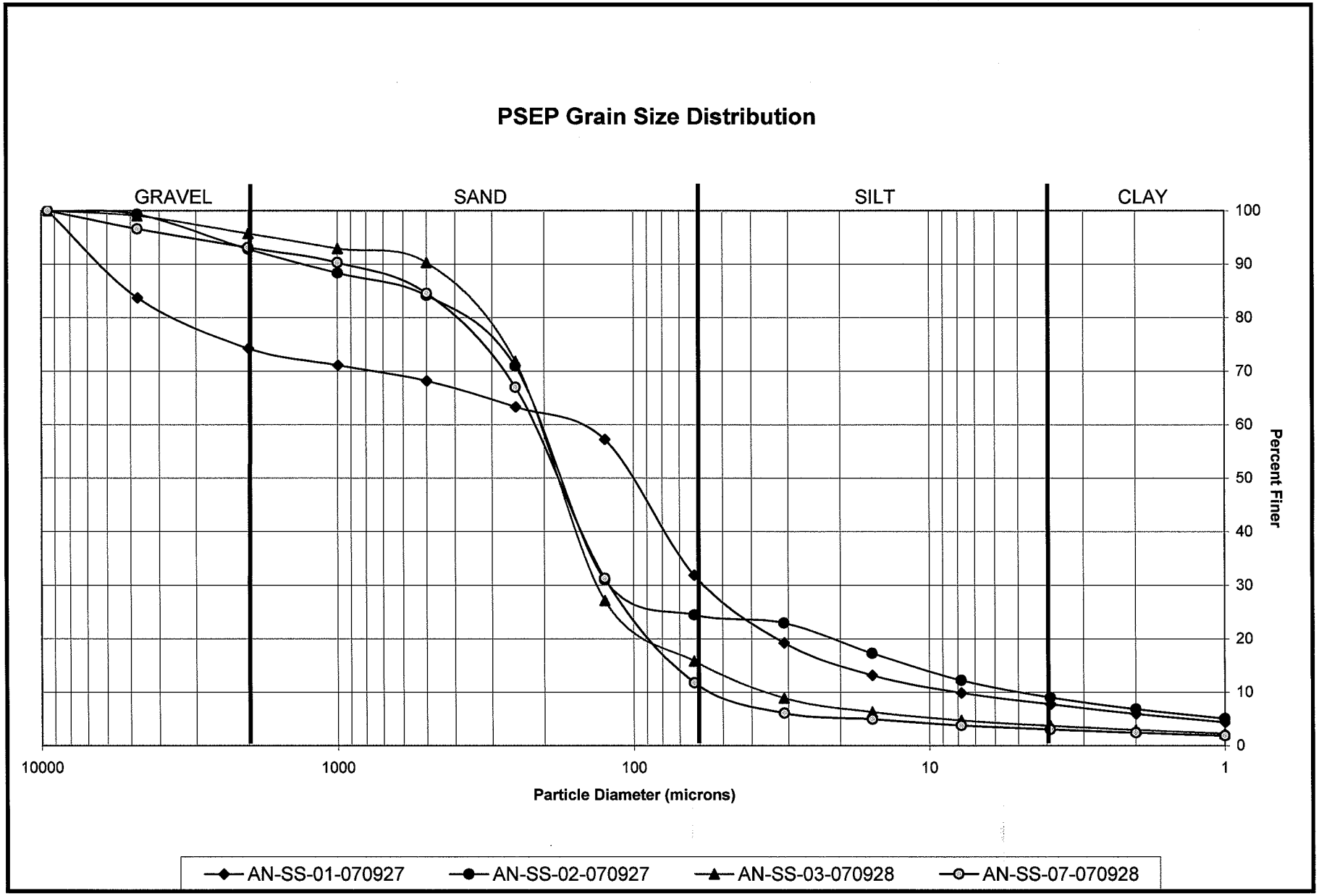
Notes to the Testing:

1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

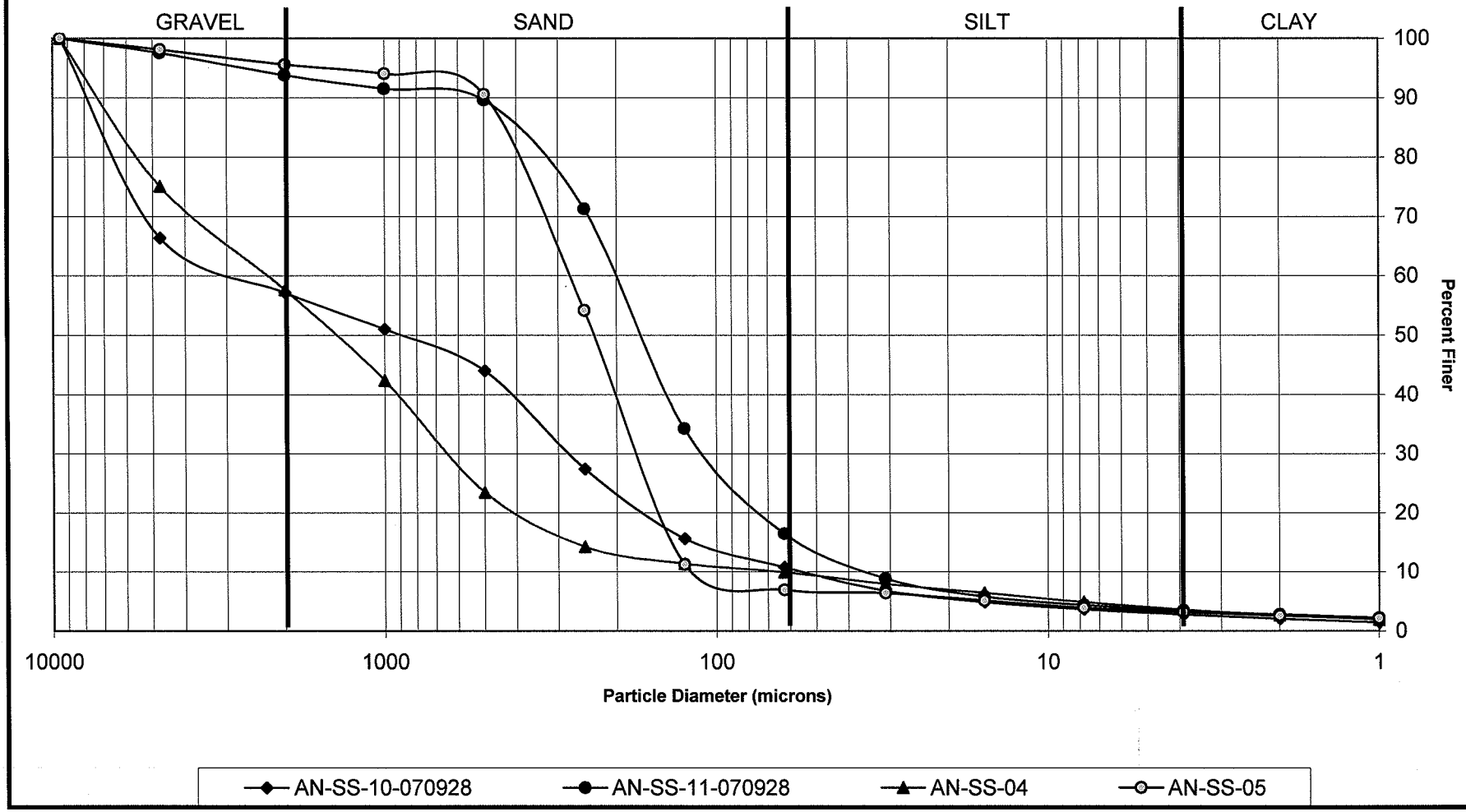
PSEP Grain Size Distribution

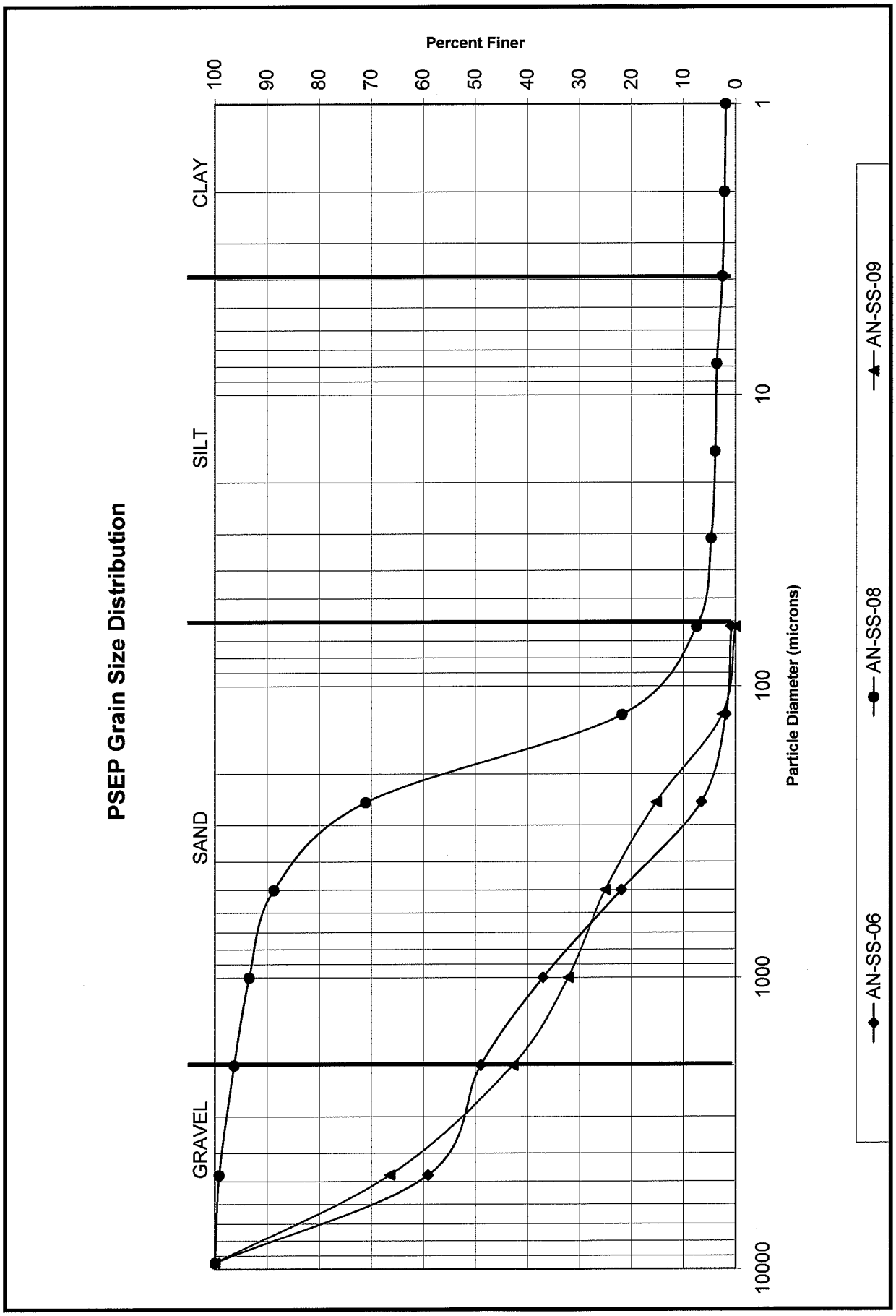
Triplicate Sample Plot




PSEP Grain Size Distribution
GRAVEL
SAND
SILT
CLAY
100
90
80
70
60
50
40
30
20
10
0
Percent Finer
10000
1000
100
10
1
Particle Diameter (microns)
AN-SS-01-070927
AN-SS-02-070927
AN-SS-03-070928
AN-SS-07-070928

PSEP Grain Size Distribution




PSEP Grain Size Distribution
Percent Finer
100
90
80
70
60
50
40
30
20
10
0
CLAY
SILT
SAND
GRAVEL
1
10
100
1000
10000
Particle Diameter (microns)
AN-SS-06
AN-SS-08
AN-SS-09

Total Organic Matter by Ignition

Loss on Ignition, ASTM D2974 [X]
Temp. = 440°C

Total Volatile Solids, PSEP Method [ ]
Temp. = 550°C

Client / Job No.: AN-SS-01-070927 / LR71

Tested by: GS

Notes:

	A		B		C	
Sample No.						
Sample Depth (ft)		Date/Time		Date/Time		Date/Time
Tare ID	4		10		5	
Tare Weight	102.97		102.42		102.55	
Wet Wt + Tare	374.23	10/8/07 16:00	391.18	10/8/07 16:10	433.96	10/8/07 16:20
Dry Wt. + Tare	251.59	10/10/07 14:15	252.72	10/10/07 10:55	325.38	10/10/07 14:15
Dry Wt. + Tare						
Dry Wt. + Tare						
Burned Wt. + Tare	226.30	10/11/07 13:50	240.93	10/12/07 14:00	316.84	10/11/07 13:50
Burned Wt. + Tare						
Burned Wt. + Tare	MC%	82.52	MC%	92.12	MC%	48.73

	D		E		F	
Sample No.						
Sample Depth (ft)		Date/Time		Date/Time		Date/Time
Tare Id	K3		K7		11	
Tare Weight	107.40		102.63		103.87	
Wet Wt + Tare ds	~~513.50~~	10/8/07 15:50	469.25	10/8/07 16:05	420.35	10/8/07 16:15
~~Dry Wt. + Tare~~ Wet Wt + tare	429.10	10/8/07 15:50	380.42	10/10/07 14:15	302.90	10/10/07 14:15
Dry Wt. + Tare	336.89	10/11/07 10:55				
Dry Wt. + Tare						
Burned Wt. + Tare	331.05	10/12/07 14:00	374.78	10/12/07 14:00	283.65	10/11/07 13:50
Burned Wt. + Tare						
Burned Wt. + Tare	MC%	40.18	MC%	31.98	MC%	59.01

	H		I		J	
Sample No.						
Sample Depth (ft)		Date/Time		Date/Time		Date/Time
Tare Id	6		402		3	
Tare Weight	104.92	~~10/8/07 15:30~~	108.23		102.68	
Wet Wt + Tare	373.09	10/8/07 15:30	451.39	10/8/07 15:30	426.58	10/8/07 15:35
Dry Wt. + Tare	272.78	10/11/07 10:55	317.67 gs	10/10/07 14:15	294.65	10/10/07 14:15
Dry Wt. + Tare						
Dry Wt. + Tare						
Burned Wt. + Tare	257.72	10/12/07 14:00	304.33	10/11/07 13:50	262.84	10/11/07 13:50
Burned Wt. + Tare						
Burned Wt. + Tare	MC%	59.76	MC%	63.85	MC%	68.72

Total Organic Matter by Ignition

Loss on Ignition, ASTM D2974 ☒
Temp. = 440°C

Total Volatile Solids, PSEP Method ☐
Temp. = 550°C

Client / Job No.: AN-/LR71

Tested by: GS

Notes: K L

Sample No.						
Sample Depth (ft)		Date/Time		Date/Time		Date/Time
Tare ID	1		13			
Tare Weight	107.74		111.15			
Wet Wt + Tare	496.64	10/8/07 15:25	377.77	10/8/07 15:40		
Dry Wt. + Tare	421.08	10/11/07 10:58	321.06	10/11/07 10:55		
Dry Wt. + Tare						
Dry Wt. + Tare						
Burned Wt. + Tare	416.67	10/12/07 14:00	298.47	10/12/07 14:00		
Burned Wt. + Tare						
Burned Wt. + Tare	MC%	24.11	MC%	26.65		

Sample No.						
Sample Depth (ft)		Date/Time		Date/Time		Date/Time
Tare Id						
Tare Weight						
Wet Wt + Tare						
Dry Wt. + Tare						
Dry Wt. + Tare						
Dry Wt. + Tare						
Burned Wt. + Tare						
Burned Wt. + Tare						
Burned Wt. + Tare						

Sample No.						
Sample Depth (ft)		Date/Time		Date/Time		Date/Time
Tare Id						
Tare Weight						
Wet Wt + Tare						
Dry Wt. + Tare						
Dry Wt. + Tare						
Dry Wt. + Tare						
Burned Wt. + Tare						
Burned Wt. + Tare						
Burned Wt. + Tare						

PIPETTE GRAIN SIZE ANALYSIS

Job No. LR71 ARI Sample No. G-1 Client Sample No. AN-SS-REF-070928

Set-up Date: 10/10/07 Sample Description: Silty Sand

Calgon Batch # _____ Sieve Set # 1 Date Sieved: 10/12/07

SOLIDS CONTENT

Moisture Content	Initials GS
Container No.	213
Tare Weight	1.5815
Wet Weight + Tare	44.5073
Dry Weight + Tare	33.6386

Test Sample	Initials GS
Container No.	213
Tare Weight	50.5931
Wet Weight + Tare	198.0040
Dry Weight + Tare	150.0274

SIEVE ANALYSIS

Initials DS

Sieve Size	Weight Retained
Tare	50.6119
4	
10	50.7056
18	50.9900
35	56.7745
60	128.0193
120	147.5982
230	149.3161
PAN	~~DS 7.5344~~ 0.6084

Salt Correction

Tare Wt.	
+ Dry Sample	
Correction (x 50)	

PIPETTE ANALYSIS

Initials GS

10/16/2007

Temp:23

Tare ID	Tare Wt	Dry Wt & Tare	TIME
G-1-1	1.5614	1.7984	11:30:00
G-1-2	1.5569	1.7032	11:30:20
G-1-3	1.5620	1.7182	11:31:46
G-1-4	1.5498	~~1.5876~~ 1.6708	11:37:05
G-1-5	1.5473	1.6363	11:58:18
G-1-6	1.5520	1.6179	13:23:00
G-1-7	1.5043	1.5505	[redacted]

PIPETTE GRAIN SIZE ANALYSIS

Job No. LR71 ARI Sample No. G-2 Client Sample No. _____

Set-up Date: 10/10/07 Sample Description: _____

Calgon Batch # _____ Sieve Set # 2 Date Sieved: 10/12/07

SOLIDS CONTENT

Moisture Content	Initials JS
Container No.	208
Tare Weight	1.5795
Wet Weight + Tare	44.9537
Dry Weight + Tare	33.9960

Test Sample	Initials JS
Container No.	208
Tare Weight	49.2068
Wet Weight + Tare	197.6510
Dry Weight + Tare	149.6786

SIEVE ANALYSIS

Initials DS

Sieve Size	Weight Retained
Tare	49.2203
4	
10	49.2578
18	49.5292
35	54.9913
60	126.7579
120	146.8328
230	148.6415
PAN	0.9281

Salt Correction

Tare Wt.	
Dry Sample	
rection (x 50)	

PIPETTE ANALYSIS

Initials GS

10/16/2007

Temp:23

Tare ID	Tare Wt	Dry Wt & Tare	TIME
G-2-1	1.4991	1.7346	11:33:00
G-2-2	1.4799	1.6888	11:33:20
G-2-3	1.4968	1.6658	11:34:46
G-2-4	1.4742	1.6036	11:40:05
G-2-5	1.4711	1.5762	12:01:18
G-2-6	1.4733	1.5547	13:26:00
G-2-7	1.4804	1.5365	[redacted]

PIPETTE GRAIN SIZE ANALYSIS

Job No. LR71 ARI Sample No. G-3 Client Sample No. _____

Set-up Date: 10/10/07 Sample Description: _____

Calgon Batch # _____ Sieve Set # 1 Date Sieved: 10/12/07

SOLIDS CONTENT

Moisture Content	Initials GS
Container No.	202
Tare Weight	1.5816
Wet Weight + Tare	49.4229
Dry Weight + Tare	37.2657

Test Sample	Initials GS
Container No.	202
Tare Weight	49.9297
Wet Weight + Tare	198.1877
Dry Weight + Tare	149.8296

SIEVE ANALYSIS

Initials DS

Sieve Size	Weight Retained
Tare	49.9430
4	49.9960
10	49.9992
18	50.3503
35	56.1342
60	127.5748
120	147.2451
230	148.9889
PAN	0.7467

Salt Correction

Wt.	
+ Dry Sample	
orrection (x 50)	

10/16/2007

Temp:23

PIPETTE ANALYSIS

Initials GS

Tare ID	Tare Wt	Dry Wt & Tare	TIME
G-3-1	1.4723	1.7093	11:36:00
G-3-2	1.4850	1.6956	11:36:20
G-3-3	1.4952	1.6504	11:37:46
G-3-4	1.4877	1.6207	11:43:05
G-3-5	1.4829	1.5887	12:04:18
G-3-6	1.4931	1.5725	13:29:00
G-3-7	1.4931	1.5475	[redacted]

PIPETTE GRAIN SIZE ANALYSIS

Job No. LR71 ARI Sample No. A Client Sample No. AN-SS-01-070927

Set-up Date: 10/10/07 Sample Description: Sandy silt, wood chunks, gravel, shell fragments

Calgon Batch # _____ Sieve Set # 1 Date Sieved: 10/12/07

SOLIDS CONTENT

Moisture Content	Initials GS
Container No.	222
Tare Weight	1.5535
Wet Weight + Tare	73.4546
Dry Weight + Tare	39.8654

Test Sample	Initials GS
Container No.	227
Tare Weight	49.7188
Wet Weight + Tare	130.6892
Dry Weight + Tare	82.0172

SIEVE ANALYSIS

Initials DS

Sieve Size	Weight Retained
Tare	49.7469
4	56.7762
10	60.8703
18	62.2400
35	63.4789
60	65.5930
120	68.2130
230	79.1362
PAN	3.0223

Salt Correction

	Wt.
10/16/2007	Dry Sample
Temp:23	orrection (x 50)

PIPETTE ANALYSIS

Initials GS

Tare ID	Tare Wt	Dry Wt & Tare	TIME
A-1	1.5517	1.8255	11:39:00
A-2	1.5052	1.6781	11:40:46
A-3	1.5135	1.6348	11:46:05
A-4	1.5186	1.6120	12:07:18
A-5	1.5574	1.6328	13:32:00
A-6	1.5065	1.5663	[redacted]
A-7	1.4986	1.5451	[redacted]

PIPETTE GRAIN SIZE ANALYSIS

Job No. LB71 ARI Sample No. B Client Sample No. AN-SS-02-07-0927

Set-up Date: 10/10/07 Sample Description: Silty sand & fine organics, Wood chunks, shell fragments

Calgon Batch # _____ Sieve Set # 2 Date Sieved: 10/12/07

SOLIDS CONTENT

Moisture Content	Initials gs
Container No.	205
Tare Weight	1.5812
Wet Weight + Tare	60.9899
Dry Weight + Tare	33.0790

Test Sample	Initials gs
Container No.	205
Tare Weight	50.3353
Wet Weight + Tare	122.3484
Dry Weight + Tare	79.7622

SIEVE ANALYSIS
Initials DS

Sieve Size	Weight Retained
Tare	50.3768
4	50.6230
10	53.1313
18	54.8360
35	56.4366
60	61.4856
120	76.7251
230	79.2206
PAN	0.6335

Salt Correction

Tare Wt.	
Dry Sample	
rrection (x 50)	

10/16/2007

Temp:23

PIPETTE ANALYSIS
Initials GS

Tare ID	Tare Wt	Dry Wt & Tare	TIME
B-1	1.4961	1.6993	11:42:00
B-2	1.5001	1.6861	11:42:20
B-3	1.4944	1.6368	11:43:46
B-4	1.4902	1.5935	11:49:05
B-5	1.4928	1.5715	12:10:18
B-6	1.4767	1.5389	13:35:00
B-7	1.4723	1.5206	[redacted]

PIPETTE GRAIN SIZE ANALYSIS

Job No. LR71 ARI Sample No. C Client Sample No. AN-SS-03-070928

Set-up Date: 10/10/07 Sample Description: Silty sand, organics, shell fragments

Calgon Batch # _____ Sieve Set # 1 Date Sieved: 10/12/07

SOLIDS CONTENT

Moisture Content	Initials GS
Container No.	149
Tare Weight	~~1.5957~~ 1.5566
Wet Weight + Tare	~~46.3019~~ 59.2952
Dry Weight + Tare	~~53.4571~~ 41.0207

Test Sample	Initials GS
Container No.	149
Tare Weight	49.9002
Wet Weight + Tare	164.0920
Dry Weight + Tare	119.5230

SIEVE ANALYSIS
Initials DS

Sieve Size	Weight Retained
Tare	49.9370
4	50.6936
10	53.3524
18	55.6051
35	57.7302
60	72.5242
120	108.3154
230	117.3843
PAN	2.1593

Salt Correction

Wt.	
+ Dry Sample	
orrection (x 50)	

10/16/2007

Temp:23

PIPETTE ANALYSIS
Initials GS

Tare ID	Tare Wt	Dry Wt & Tare	TIME
C-1	1.4707	1.6788	11:45:00
C-2	1.4831	1.6297	11:45:20
C-3	1.4790	1.5854	11:46:46
C-4	1.5163	1.5987	11:52:05
C-5	1.5018	1.5691	12:13:18
C-6	1.5013	1.5560	13:38:00
C-7	1.4956	1.5399	[redacted]

PIPETTE GRAIN SIZE ANALYSIS

Job No. LR71 ARI Sample No. D Client Sample No. AN-SS-07-070928

Set-up Date: 10/10/07 Sample Description: Silty Sand, Shell fragments

Calgon Batch # _____ Sieve Set # 2 Date Sieved: 10/12/07

SOLIDS CONTENT

Moisture Content	Initials GS
Container No.	189
Tare Weight	1.5844
Wet Weight + Tare	95.1141
Dry Weight + Tare	90.5037

Test Sample	Initials GS
Container No.	189
Tare Weight	49.8966
Wet Weight + Tare	185.4361
Dry Weight + Tare	139.7308

SIEVE ANALYSIS

Initials DS

Sieve Size	Weight Retained
Tare	49.9410
4	53.3384
10	56.8322
18	59.6410
35	65.3936
60	82.9236
120	118.5748
230	138.1089
PAN	1.6029

Salt Correction

	Wt.
	Dry Sample
	orrection (x 50)

10/16/2007

Temp:23

PIPETTE ANALYSIS

Initials GS

Tare ID	Tare Wt	Dry Wt & Tare	TIME
D-1	1.4879	1.6479	11:48:00
D-2	1.4979	1.6236	11:48:20
D-3	1.4932	1.5968	11:49:46
D-4	1.4763	1.5575	11:55:05
D-5	1.4706	1.5380	12:16:18
D-6	1.4751	1.5311	13:41:00
D-7	1.4692	1.5146	[redacted]

PIPETTE GRAIN SIZE ANALYSIS

Job No. LR71 ARI Sample No. E Client Sample No. AN-SS-10-070928

Set-up Date: 10/10/07 Sample Description: Silty Sandy Gravel, Shell fragments

Calgon Batch # _____ Sieve Set # 1 Date Sieved: 10/12/07

SOLIDS CONTENT

Moisture Content	Initials gs
Container No.	223
Tare Weight	1.5864
Wet Weight + Tare	110.6912
Dry Weight + Tare	89.2138

Test Sample	Initials gs
Container No.	223
Tare Weight	49.6536
Wet Weight + Tare	201.1109
Dry Weight + Tare	159.8639

SIEVE ANALYSIS

Initials DS

Sieve Size	Weight Retained
Tare	49.6852
4	90.6260
10	101.8492
18	109.2959
35	117.8279
60	138.0031
120	152.3435
230	158.2232
PAN	1.6624

Salt Correction

Wt.	
Dry Sample	
orrection (x 50)	

10/16/2007

Temp:23

PIPETTE ANALYSIS

Initials GS

Tare ID	Tare Wt	Dry Wt & Tare	TIME
E-1	1.4778	1.6950	11:51:00
E-2	1.47875	1.6483	11:51:20
E-3	1.4758	1.6008	11:52:46
E-4	1.4902	1.5866	11:58:05
E-5	1.4980	1.5742	12:19:18
E-6	1.4951	1.5540	13:44:00
E-7	1.4893	1.5339	[redacted]

PIPETTE GRAIN SIZE ANALYSIS

Job No. LR71 ARI Sample No. F Client Sample No. AN-SS-11-070928

Set-up Date: 10/10/07 Sample Description: Silty Sand, Shell Fragments

Calgon Batch # _____ Sieve Set # 2 Date Sieved: 10/12/07

SOLIDS CONTENT

Moisture Content	Initials gs
Container No.	102
Tare Weight	1.5837
Wet Weight + Tare	82.7872
Dry Weight + Tare	54.1688

Test Sample	Initials gs
Container No.	102
Tare Weight	49.9049
Wet Weight + Tare	201.1099
Dry Weight + Tare	137.0115

SIEVE ANALYSIS
Initials DS

Sieve Size	Weight Retained
Tare	49.9888
4	52.3926
10	56.0753
18	58.3207
35	60.2128
60	78.1486
120	114.4039
230	131.8207
PAN	5.3552

Salt Correction

Tare Wt.	
Dry Sample	
Correction (x 50)	

10/16/2007

Temp:23

PIPETTE ANALYSIS
Initials GS

Tare ID	Tare Wt	Dry Wt & Tare	TIME
F-1	1.4898	1.7981	11:54:00
F-2	1.4699	1.6501	11:54:20
F-3	1.4758	1.5973	11:55:46
F-4	1.4812	1.5757	12:01:05
F-5	1.4968	1.5735	12:22:18
F-6	1.5168	1.5804	13:47:00
F-7	1.5205	1.5729	[redacted]

PIPETTE GRAIN SIZE ANALYSIS

Job No. LR71 ARI Sample No. H Client Sample No. AN-SS-04

Set-up Date: 10/10/07 Sample Description: Silty Sandy Gravel

Calgon Batch # _____ Sieve Set # 2 Date Sieved: 10/12/07

SOLIDS CONTENT

Moisture Content	Initials gs
Container No.	150
Tare Weight	1.4757
Wet Weight + Tare	84.6585
Dry Weight + Tare	59.7563

Test Sample	Initials gs
Container No.	150
Tare Weight	50.0106
Wet Weight + Tare	194.0266
Dry Weight + Tare	141.5503

SIEVE ANALYSIS

Initials DS

Sieve Size	Weight Retained
Tare	50.0575
4	75.2541
10	92.8729
18	108.2673
35	127.3193
60	136.5939
120	139.5259
230	140.9376
PAN	1.6365

Salt Correction

10/16/2007	Wt.	
	+ Dry Sample	
Temp:23	Correction (x 50)	

PIPETTE ANALYSIS

Initials GS

Tare ID	Tare Wt	Dry Wt & Tare	TIME
H-1	1.5162	1.7111	11:57:00
H-2	1.5128	1.6809	11:57:20
H-3	1.5159	1.6538	11:58:46
H-4	1.4972	1.6047	12:04:05
H-5	1.5016	1.5830	12:25:18
H-6	1.5029	1.5653	13:50:00
H-7	1.4875	1.5349	[redacted]

(GS)

PIPETTE GRAIN SIZE ANALYSIS

Job No. LR71 ARI Sample No. I Client Sample No. AN-SS-05

Set-up Date: 10/10/07 Sample Description: Silty sand, wood chunks

Calgon Batch # _____ Sieve Set # 1 Date Sieved: 10/12/07

SOLIDS CONTENT

Moisture Content	Initials GS
Container No.	138
Tare Weight	1.4831
Wet Weight + Tare	79.5078
Dry Weight + Tare	50.2216

Test Sample	Initials JS
Container No.	138
Tare Weight	50.8116
Wet Weight + Tare	103.2728
Dry Weight + Tare	116.8265

SIEVE ANALYSIS

Initials DS

Sieve Size	Weight Retained
Tare	50.8540
4	52.2045
10	53.9510
18	55.0486
35	57.5210
60	83.0558
120	113.2030
230	116.2137
PAN	0.6675

Salt Correction

– Wt.	
+ Dry Sample	
Correction (x 50)	

10/16/2007

Temp:23

PIPETTE ANALYSIS

Initials GS

Tare ID	Tare Wt	Dry Wt & Tare	TIME
I-1	1.4666	1.5876	12:00:00
I-2	1.4721	1.5727	12:00:20
I-3	1.4904	1.5724	12:01:46
I-4	1.4788	1.5433	12:07:05
(TW) I-5	1.4773	1.5317	12:28:18
I-6	1.4952	1.5413	13:53:00
I-7	1.4962	1.5360	[redacted]
			[redacted]

PIPETTE GRAIN SIZE ANALYSIS

Job No. LR71 ARI Sample No. J Client Sample No. AN-5506

Set-up Date: 10/10/07 Sample Description: Silty Sand, Gravel, Shell fragments

Calgon Batch # _____ Sieve Set # 1 Date Sieved: 10/12/07

SOLIDS CONTENT

Moisture Content	Initials GS
Container No.	214
Tare Weight	1.5889
Wet Weight + Tare	86.2359
Dry Weight + Tare	67.8179

Test Sample	Initials GS
Container No.	214
Tare Weight	50.2894
Wet Weight + Tare	202.5945
Dry Weight + Tare	168.9612

SIEVE ANALYSIS

Initials DS

Sieve Size	Weight Retained
Tare	50.3191
4	99.0515
10	111.1486
18	125.4291
35	143.3548
60	161.6814
120	167.2866
230	168.4951
PAN	0.5004

Salt Correction

Tare Wt.	
Dry Sample	
Correction (x 50)	

PIPETTE ANALYSIS

Initials GS

10/16/2007

Temp:23

Tare ID	Tare Wt	Dry Wt & Tare	TIME
J-1	1.5027	1.6028	12:18:00
			12:18:20
			12:19:46
			12:25:05
			12:46:18
			14:11:00
			[redacted]
			[redacted]

(GS)

PIPETTE GRAIN SIZE ANALYSIS

Job No. LRS71 ARI Sample No. K Client Sample No. AN-SS-08

Set-up Date: 10/10/07 Sample Description: Silty Sand, Wood chunks? debris

Calgon Batch # _____ Sieve Set # 2 Date Sieved: 10/12/07

SOLIDS CONTENT

Moisture Content	Initials GS
Container No.	177
Tare Weight	1.4748
Wet Weight + Tare	69.0438
Dry Weight + Tare	42.9424

Test Sample	Initials GS
Container No.	~~GS 50.5841~~ 177
Tare Weight	50.5844
Wet Weight + Tare	197.7729
Dry Weight + Tare	~~135~~. 135.3071

SIEVE ANALYSIS

Initials DS

Sieve Size	Weight Retained
Tare	50.6998
4	51.4742
10	54.0756
18	56.6593
35	60.9519
60	76.8846
120	121.3624
230	134.3110
PAN	1.2259

Salt Correction

Wt.	
Dry Sample	
rrection (x 50)	

10/16/2007

Temp:23

PIPETTE ANALYSIS

Initials GS

Tare ID	Tare Wt	Dry Wt & Tare	TIME
K-1	1.5166	1.6469	12:03:00
K-2	1.4865	1.5879	12:03:20
K-3	1.4948	1.5742	12:04:46
K-4	1.4940	1.5577	12:10:05
K-5	1.4852	1.5403	12:31:18
K-6	1.4710	1.5186	13:56:00
K-7	1.4910	1.5342	[redacted]

PIPETTE GRAIN SIZE ANALYSIS

Job No. LR71 ARI Sample No. L Client Sample No. AN-SS-09

Set-up Date: 10/10/07 Sample Description: Sandy Gravel & Wood chunks

Calgon Batch # _____ Sieve Set # 1 Date Sieved: 10/12/07

SOLIDS CONTENT

Moisture Content	Initials gs
Container No.	182
Tare Weight	~~1.4774~~ 1.5239
Wet Weight + Tare	~~65.7701~~ 39.2426
Dry Weight + Tare	~~48.3409~~ 30.0805

Test Sample	Initials gs
Container No.	182
Tare Weight	51.0549
Wet Weight + Tare	~~703.5167~~ 206.28
Dry Weight + Tare	169.2866

SIEVE ANALYSIS

Initials DS

Sieve Size	Weight Retained
Tare	51.0785
4	90.5159
10	118.3436
18	130.7959
35	139.1408
60	150.7426
120	165.6403
230	168.5539
PAN	0.9106

Salt Correction

Wt.	
Dry Sample	
orrection (x 50)	

PIPETTE ANALYSIS

Initials GS

10/16/2007

Temp:23

Tare ID	Tare Wt	Dry Wt & Tare	TIME
L-1	1.4962	1.5648	12:21:00
			12:21:20
			12:22:46
			12:28:05
			12:49:18
			14:14:00
			17:47:00
			10:57:00

Pore Water Extraction

Job #: LR71 Date: 10/1/07 Technician: TM Analytes: AMMONIA/SULFIDE

Aerobic ( )
Anaeorobic (X)

Filtered ( )
Filter Material: _____
Filter Size: _____

Volume Required: ~60 mL

Tech Initials: _____ Witness Initials: _____

TBT Spike ID: _____ Amount Spiked: _____

Amount Sea H20 used:

Centrifugation 1:	Speed:	1200	Temp:	4°C	Duration:	30 MIN	O2 Level:	Ø
Centrifugation 2:	Speed:	7000	Temp:	4° C	Duration:	15 MIN	O2 Level:	Ø

Centrifugation 1

Client Sample ID	REGL ID	Start Time	Estimated Recovery
	A	14:00	125
	B	14:00	150
	C	14:00	125
	D	14:00	100

Centrifugation 2

Client Sample ID	REGL ID	Start Time	Estimated Recovery	Decant Time
	A	15:45	125	16:05
	B	15:45	150	1605
	C	15:45	125	1605
	D	15:45	100	1605

Notes:

Pore Water Extraction

Job #: LR71 Date: 10/1/07 Technician: tm Analytes: AMMONIA/SULFIDE

Aerobic ( )
Anaeorobic X

Filtered ( )
Filter Material:
Filter Size:

Volume Required: ~60ml

Tech Initials:	Witness Initials:
TBT Spike ID:	Amount Spiked:
Amount Sea H20 used:	

Centrifugation 1:	Speed:	1200	Temp:	4°C	Duration:	30 MIN	O2 Level:	Ø
Centrifugation 2:	Speed:	2000	Temp:	4°C	Duration: (tm)	15 MIN	O2 Level:	Ø

Centrifugation 1

Client Sample ID	REGL ID	Start Time	Estimated Recovery
	E	15:20	60
	F	15:20	80
	G	15:20	65
	H	15:20	20

Centrifugation 2

Client Sample ID	REGL ID	Start Time	Estimated Recovery	Decant Time
	E	16:00	60	1620
	F	16:00	80	1620
	G	16:15	65	1630
	H	16:15	20	1630

Notes:

Pore Water Extraction

Job #: LR71 Date: 10/2/07 Technician: JM Analytes: AMMONIA / SULFIDE

Aerobic ( )
Anaeorobic (X)

Filtered ( )
Filter Material: _____
Filter Size: _____

Volume Required: ~60 mL

Tech Initials: _____ Witness Initials: _____
TBT Spike ID: _____ Amount Spiked: _____
Amount Sea H20 used:

Centrifugation 1:	Speed:	1200	Temp:	4°C	Duration:	30 MIN	O2 Level:	Ø
Centrifugation 2:	Speed:	7000	Temp:	4°C	Duration:	15 MIN	O2 Level:	Ø

Centrifugation 1

Client Sample ID	REGL ID	Start Time	Estimated Recovery
	I	13:15	55
	J	13:15	80 *
	K	13:15	0
	L	13:15	10

Centrifugation 2

Client Sample ID	REGL ID	Start Time	Estimated Recovery	Decant Time
	I	14:30		15:10
	J	14:30		15:10
	~~K~~			
	L	14:30		15:10

Notes:

* J - LIVE WORMS IN SAMPLE

1571

Analytical Resources, Incorporated
Analytical Chemists and Consultants

November 9, 2007

David Gillingham
Anchor Environmental, L.L.C.
1423 3rd Avenue, Suite 300
Seattle, WA 98101

RE: Client Project: Kimberly Clark Anacortes
ARI Job No. LR71

Dear David:

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

Sample receipt and details of the analyses are discussed in the Case Narrative..

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

Sincerely,

ANALYTICAL RESOURCES, INC.

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

Enclosures

cc: eFile LR71

SD/sdrd

Chain of Custody
Documentation

prepared
for

ANCHOR ENVIRONMENTAL

Project: KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: LR79	Turn-around Requested: 15 day	Page: 1 of 2	
ARI Client Company: Anchor	Phone: 206-287-9130	Date: 9/29/07	Ice Present?
Client Contact: David Gillingham		No. of Coolers:	Cooler Temps:
Client Project Name: Kimberly Clark Anacortes			
Client Project #:	Samplers: D. Gillingham		

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

Sample ID	Date	Time	Matrix	No. Containers	Porewater Amm/Sulfide	Grainsize	LOI	TOC/TS	metals	SVOC/PCB			Notes/Comments
AN-SS-01-070927	09/27/07		Sed	6	X	X	X	X	X	X			Please call
AN-SS-02-070927	09/27/07			6	X	X	X	X	X	X			to Discuss
AN-SS-03-070928	09/28/07			6	X	X	X	X	X	X			TVS Analysis
AN-SS-07-070928	09/28/07			6	X	X	X	X	X	X			
AN-SS-10-070928	09/28/07			6	X	X	X	X	X	X			
AN-SS-11-070928	09/28/07			6	X	X	X	X	X	X			
AN-SS-REF-070928	09/28/07			3	X	X	/	X	/	/			

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: David Gillingham	Printed Name: ASHLEY LAMOUNTAIN	Printed Name:	Printed Name:
	Company: Anchor	Company: ARI	Company:	Company:
	Date & Time: 9/29/07 1000	Date & Time: 9/29/07 0955	Date & Time:	Date & Time:

0002

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

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

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: LR71	Turn-around Requested: 15 day	Page: 2 of 2	
ARI Client Company: Anchor	Phone: 206 287 9130	Date: 9/29/07	Ice Present?
Client Contact: David Gillingham		No. of Coolers:	Cooler Temps:
Client Project Name: Kimberly Clark			
Client Project #:	Samplers: DG		

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

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: Porewater Amm/Sulfide	Grain Size	LOI	TOC/TS	metals	SVOC/PCB			Notes/Comments
AN-SS-04	9/28/07		Sed	6	X	X	X	X	X	X			
AN-SS-05	9/27/07		↓	6	X	X	X	X	X	X			
AN-SS-06	9/28/07			6	X	X	X	X	X	X			
AN-SS-08	9/27/07			6	X	X	X	X	X	X			
AN-SS-09	9/27/07		↓	6	X	X	X	X	X	X			

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: Anchor	Printed Name: ASHLEY LAMOUNTAIN	Printed Name:	Printed Name:
	Company: David Gillingham	Company: ARI	Company:	Company:
	Date & Time: 9/29/07 1000	Date & Time: 9/29/07 1000	Date & Time:	Date & Time:

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

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

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: ANCHOR
COC No: —
Assigned ARI Job No: LR71

Project Name: Kimberly Clark Anacortes
Delivered by: HAND-DELIVERED
Tracking No: —

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler?	YES	(NO)
Were custody papers included with the cooler?	(YES)	NO
Were custody papers properly filled out (ink, signed, etc.)	(YES)	NO
Record cooler temperature (recommended 2.0-6.0 °C for chemistry	4.2, 3.8, 3.6, 3.4, °C	

Cooler Accepted by: arl Date: 9/29/07 Time: 1000

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?	YES	(NO)
What kind of packing material was used?	Ice	
Was sufficient ice used (if appropriate)?	(YES)	NO
Were all bottles sealed in individual plastic bags?	(YES)	NO
Did all bottle arrive in good condition (unbroken)?	(YES)	NO
Were all bottle labels complete and legible?	(YES)	NO
Did all bottle labels and tags agree with custody papers?	(YES)	NO
Were all bottles used correct for the requested analyses?	(YES)	NO
Do any of the analyses (bottles) require preservation? (attach preservation checklist)	YES	(NO)
Were all VOC vials free of air bubbles? (NA)	YES	NO
Was sufficient amount of sample sent in each bottle?	(YES)	NO

Samples Logged by: arl Date: 9/29/07 Time: 1315

*** Notify Project Manager of discrepancies or concerns ***

Explain discrepancies or negative responses:

By: Date:

Case Narrative

prepared
for

ANCHOR ENVIRONMENTAL

Project : KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

ANALYTICAL
RESOURCES
INCORPORATED

Case Narrative

Client: Anchor Environmental
Project: Kimberly Clark Anacortes
Matrix: Sediment
ARI Job No. LR71

Sample receipt

Twelve sediment samples were received September 29, 2007 under ARI Job LR71. Sample container temperatures measured by IR Thermometer following ARI SOP were 3.4 to 4.2°C and samples were well iced. Samples were received in good condition with no discrepancies in paperwork. Pore water analyses are reported separately under ARI Job LT50.

Semivolatiles by SW8270

The samples were initially screened to determine if a response was present that would affect sample preparation for analysis. No modifications were required. Samples were extracted and extracts were analyzed within the method recommended holding times. The spike blank was outside compliance, and all samples were re-extracted within holding time for samples stored frozen, with the LCS extracted in duplicate.

Initial and continuing calibrations were within method requirements. Internal standard areas were within method limits.

The method blank was clean at the reporting limit for the 10/10 extraction. The method blank extracted 10/27 was clean with the exception of bis-(2-Ethylhexyl) phthalate just above the reporting limit. Associated sample results have been "B"-flagged. The Laboratory Control Sample had recoveries outside limits as noted above. The LCS/LCS Duplicate extracted 10/27 had recoveries and RPD within limits.

Surrogates recoveries were within ARI control limits.

The MS/MSD had recoveries within limits for target compounds.

PCB-Aroclors by SW8082

Samples were initially screened to determine if a response was present that would affect sample analysis. Samples AN-SS-08 and AN-SS-09 were extracted using less volume. Samples were extracted and analyzed within recommended holding times, using internal standard methods.

Initial and continuing calibrations were within limits. Internal standard areas were within limits.

The method blank was clean at the reporting limit and the LCS had recoveries within limits.

Surrogates recoveries were within ARI limits were within limits.

The MS/MSD had recoveries and RPDs within limits.

The sample analyses did not correspond with the screens well. Several samples required reanalysis at dilution that were un-expected. Samples AN-SS-08 and AN-SS-09 which were extracted using less sample volume were reported to a lower point on the calibration curve.

Total Metals

The samples were digested and analyzed within required holding times.

The method blank was clean at the detection limit and the Laboratory Control sample had recoveries within limits.

Duplicate RPDs were within limits.

Matrix Spike recoveries were within limits with the exception of Antimony. As Antimony is known to be problematic using 3050B digestion methods, and the LCS was in control, no further action was taken.

Total Organic Carbon

Samples were prepared and analyzed within the required holding time.

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

Standard reference recoveries were within limits.

The replicates had acceptable RPD and the matrix spike had acceptable recovery.

There were no incidents of note.

Geotechnical Parameters

A laboratory specific narrative follows.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Client: Anchor Environmental, LLC	ARI Project No.: LR71
Client Project: Kimberly Clark Anacortes	

Case Narrative

1. Twelve samples were received on September 29, 2007. Eleven samples were submitted for Pore Water Extraction in general guidance with the Corp of Engineers draft interim guide lines, total organic matter by ignition by ASTM D2974 and grain size analysis by PSEP methodology. Sample AN-SS-REF-070928 was submitted only for grain size distribution and pore water extraction.
2. The sediment for pore water extraction was in 32 oz wide mouth glass jars. The sediment sample jars were placed in the nitrogen chamber along with centrifuge jars, spoons, preserved 40 mL vials and a balance, and the chamber was sealed and filled with nitrogen. The centrifuge jars and vials were opened to allow them to come to equilibrium with the chamber. The oxygen level in the chamber was less than 1%.
3. All centrifuge bottles were pre-rinsed with Hexane and allowed to dry completely. All spoons were pre-rinsed with deionized water.
4. All samples were centrifuged in a pre-cooled centrifuge (4°C) at 1,200 x g for 30 minutes, decanted in the nitrogen chamber, and then placed in another pre-cooled centrifuge (4°C) and spun at 7,000-x g for 15 minutes. The pore water was then decanted into two separate preserved 40 mL vials for ammonia and sulfide testing.
5. Some of the samples had "floaters," material that was floating on the top (or within the water) and could not be separated by centrifuging.
6. Sample AN-SS-06 contained live worms.
7. The samples for total organic matter by ignition were received in 16 oz plastic jars.
8. The grain size analysis samples were received in 16 oz plastic jars.
9. The samples were run in a single batch and sample AN-SS-REF-070928 was chosen for triplicate analysis. The triplicate data is reported on the QA summary.
10. Samples AN-SS-05, AN-SS-06 and AN-SS-09 contained fewer than the 5 grams required in the pipette portion of the analysis. Our balance has a capacity of about 200 g. (by 0.0001) and a sample size that would give 5 g. of fines could not be split and stay within the capacity of the balance.
11. The pipette readings on sample AN-SS-09 were below the level required for accurate weighing, resulting in negative weights. This result was likely due to the minimal amount of fines in the sample or the large wood chunks within the sample, which could have interfered with the moisture content. The total sample weight was adjusted to eliminate the negative values.
12. Samples AN-SS-01-070927, AN-SS-02-070927, AN-SS-03-070928, AN-SS-05, AN-SS-08 and AN-SS-09 contained organic matter and/or large wood chunks. This material may have broken down during the sieving process, affecting grain size analysis.
13. Samples AN-SS-01-070927, AN-SS-02-070927, AN-SS-03-070928, AN-SS-07-070928, AN-SS-10-070928, AN-SS-11-070928 and AN-SS-06 contained shells or shell fragments.
14. The data is provided in summary tables and plots.
15. There were no other anomalies in the samples or methods on this project.

Approved by: Taylor McKenzie Date: 10/18/07
Title: Lead Technician

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

Data Reporting Qualifiers

Effective 12/28/04

Inorganic Data

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

* Duplicate RPD is not within established control limits

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

N Matrix Spike recovery not within established control limits

NA Not Applicable, analyte not spiked

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

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

Organic Data

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

* Flagged value is not within established control limits

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

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

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

NR Spiked compound recovery is not reported due to chromatographic interference

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

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

NA The flagged analyte was not analyzed for

NS The flagged analyte was not spiked into the sample

M Estimated value for an analyte detected and confirmed by an analyst but with low spectral match parameters. This flag is used only for GC-MS analyses

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification"

Y The analyte is not detected at or above the reported concentration. The reporting limit is raised due to chromatographic interference. The Y flag is equivalent to the U flag with a raised reporting limit.

C The analyte was positively identified on only one of two chromatographic columns. Chromatographic interference prevented a positive identification on the second column

P The analyte was detected on both chromatographic columns but the quantified values differ by ≥40% RPD with no obvious chromatographic interference

Geotechnical Data

A The total of all fines fractions. This flag is used to report total fines when only sieve analysis is requested and balances total grain size with sample weight.

F Samples were frozen prior to particle size determination

SM Sample matrix was not appropriate for the requested analysis. This normally refers to samples contaminated with an organic product that interferes with the sieving process and/or moisture content, porosity and saturation calculations

SS Sample did not contain the proportion of "fines" required to perform the pipette portion of the grain size analysis

W Weight of sample in some pipette aliquots was below the level required for accurate weighting

Data Summary Package

prepared
for

ANCHOR ENVIRONMENTAL

Project : KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

SEMIVOLATILE ORGANICS

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-01-070927
SAMPLE

Lab Sample ID: LR71A
LIMS ID: 07-20766
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 14:39
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: 51.5%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**62**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	**Naphthalene**	**20**	**42**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**64**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**130**
129-00-0	**Pyrene**	**20**	**110**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**34**
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**57**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**37**
207-08-9	**Benzo(k)fluoranthene**	**20**	**48**
50-32-8	**Benzo(a)pyrene**	**20**	**36**
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-01-070927**
Page 2 of 2 **SAMPLE**

Lab Sample ID: LR71A QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20766 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 10/18/07 14:39

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	53.6%	2-Fluorobiphenyl	55.2%
d14-p-Terphenyl	71.6%	d4-1,2-Dichlorobenzene	47.6%
d5-Phenol	60.3%	2-Fluorophenol	68.8%
2,4,6-Tribromophenol	74.4%	d4-2-Chlorophenol	58.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-01-070927**
Page 1 of 2 **REEXTRACT**

Lab Sample ID: LR71A
LIMS ID: 07-20766
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 16:39
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 51.5%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**49**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**110**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	**Naphthalene**	**20**	**100**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**90**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**180**
129-00-0	**Pyrene**	**20**	**120**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**26**
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**40**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**30**
207-08-9	**Benzo(k)fluoranthene**	**20**	**34**
50-32-8	**Benzo(a)pyrene**	**20**	**29**
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-01-070927**
 REEXTRACT

Lab Sample ID: LR71A QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20766 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 16:39

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	52.0%	2-Fluorobiphenyl	53.6%
d14-p-Terphenyl	56.0%	d4-1,2-Dichlorobenzene	48.4%
d5-Phenol	55.7%	2-Fluorophenol	44.3%
2,4,6-Tribromophenol	56.5%	d4-2-Chlorophenol	54.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-02-070927**
Page 1 of 2 **SAMPLE**

Lab Sample ID: LR71B
LIMS ID: 07-20767
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 15:13
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: 50.3%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**180**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	**Naphthalene**	**20**	**47**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	**2-Methylnaphthalene**	**20**	**25**
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	**Dibenzofuran**	**20**	**39**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**24**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	**Phenanthrene**	**20**	**400**
120-12-7	**Anthracene**	**20**	**20**
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**410**
129-00-0	**Pyrene**	**20**	**290**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**56**
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**110**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**88**
207-08-9	**Benzo(k)fluoranthene**	**20**	**73**
50-32-8	**Benzo(a)pyrene**	**20**	**75**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**20**
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-02-070927
SAMPLE

Lab Sample ID: LR71B
LIMS ID: 07-20767
Matrix: Sediment
Date Analyzed: 10/18/07 15:13

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	48.8%	2-Fluorobiphenyl	49.2%
d14-p-Terphenyl	64.0%	d4-1,2-Dichlorobenzene	44.8%
d5-Phenol	54.9%	2-Fluorophenol	63.2%
2,4,6-Tribromophenol	63.7%	d4-2-Chlorophenol	54.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS
Page 1 of 2

Sample ID: AN-SS-02-070927
REEXTRACT

Lab Sample ID: LR71B
LIMS ID: 07-20767
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 17:11
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

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

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**29**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**390**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	**Naphthalene**	**20**	**74**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	**2-Methylnaphthalene**	**20**	**24**
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	**Acenaphthylene**	**20**	**23**
83-32-9	Acenaphthene	20	< 20 U
132-64-9	**Dibenzofuran**	**20**	**21**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**22**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**210**
120-12-7	**Anthracene**	**20**	**41**
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**340**
129-00-0	**Pyrene**	**20**	**170**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**59**
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**79**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**70**
207-08-9	**Benzo(k)fluoranthene**	**20**	**70**
50-32-8	**Benzo(a)pyrene**	**20**	**72**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**29**
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	**Benzo(g,h,i)perylene**	**20**	**27**

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-02-070927
REEXTRACT

Lab Sample ID: LR71B
LIMS ID: 07-20767
Matrix: Sediment
Date Analyzed: 11/01/07 17:11

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	57.6%	2-Fluorobiphenyl	57.6%
d14-p-Terphenyl	42.4%	d4-1,2-Dichlorobenzene	51.2%
d5-Phenol	60.0%	2-Fluorophenol	47.5%
2,4,6-Tribromophenol	66.1%	d4-2-Chlorophenol	59.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-03-070928**
 SAMPLE

Lab Sample ID: LR71C
LIMS ID: 07-20768
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 15:47
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.1 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 33.2%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**63**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	**Naphthalene**	**20**	**22**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	**Phenanthrene**	**20**	**85**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**210**
129-00-0	**Pyrene**	**20**	**190**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**83**
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**110**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**120**
207-08-9	**Benzo(k)fluoranthene**	**20**	**130**
50-32-8	**Benzo(a)pyrene**	**20**	**130**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**48**
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	**Benzo(g,h,i)perylene**	**20**	**37**

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-03-070928
SAMPLE

Lab Sample ID: LR71C
LIMS ID: 07-20768
Matrix: Sediment
Date Analyzed: 10/18/07 15:47

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	48.8%	2-Fluorobiphenyl	50.8%
d14-p-Terphenyl	63.6%	d4-1,2-Dichlorobenzene	42.8%
d5-Phenol	52.0%	2-Fluorophenol	64.8%
2,4,6-Tribromophenol	65.9%	d4-2-Chlorophenol	52.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS
Page 1 of 2

Sample ID: AN-SS-03-070928
REEXTRACT

Lab Sample ID: LR71C
LIMS ID: 07-20768
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 17:42
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 33.2%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**33**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**200**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	**Naphthalene**	**20**	**39**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**48**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**71**
129-00-0	**Pyrene**	**20**	**60**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**22**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**22**
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-03-070928**
 REEXTRACT

Lab Sample ID: LR71C QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20768 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 17:42

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	54.4%	2-Fluorobiphenyl	56.0%
d14-p-Terphenyl	53.6%	d4-1,2-Dichlorobenzene	51.2%
d5-Phenol	57.6%	2-Fluorophenol	45.6%
2,4,6-Tribromophenol	57.6%	d4-2-Chlorophenol	56.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS
Page 1 of 2

Sample ID: AN-SS-07-070928
SAMPLE

Lab Sample ID: LR71D
LIMS ID: 07-20769
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 16:21
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: 28.7%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**21**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**45**
129-00-0	**Pyrene**	**20**	**32**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**60**
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-07-070928**
 SAMPLE

Lab Sample ID: LR71D QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20769 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 10/18/07 16:21

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	51.6%	2-Fluorobiphenyl	53.2%
d14-p-Terphenyl	64.0%	d4-1,2-Dichlorobenzene	46.4%
d5-Phenol	54.4%	2-Fluorophenol	64.5%
2,4,6-Tribromophenol	66.7%	d4-2-Chlorophenol	54.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-07-070928**
Page 1 of 2 **REEXTRACT**

Lab Sample ID: LR71D
LIMS ID: 07-20769
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 18:13
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 51.0 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 28.7%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**33**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	**Phenanthrene**	**20**	**28**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**51**
129-00-0	**Pyrene**	**20**	**41**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**50 B**
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-07-070928
REEXTRACT

Lab Sample ID: LR71D
LIMS ID: 07-20769
Matrix: Sediment
Date Analyzed: 11/01/07 18:13

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.0%	2-Fluorobiphenyl	59.2%
d14-p-Terphenyl	59.2%	d4-1,2-Dichlorobenzene	50.4%
d5-Phenol	60.0%	2-Fluorophenol	46.4%
2,4,6-Tribromophenol	61.1%	d4-2-Chlorophenol	57.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-10-070928**
 SAMPLE

Lab Sample ID: LR71E
LIMS ID: 07-20770
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 16:55
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: 22.7%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**31**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**34**
129-00-0	**Pyrene**	**20**	**24**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**29**
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-10-070928**
 SAMPLE

Lab Sample ID: LR71E
LIMS ID: 07-20770
Matrix: Sediment
Date Analyzed: 10/18/07 16:55

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	42.8%	2-Fluorobiphenyl	46.8%
d14-p-Terphenyl	50.8%	d4-1,2-Dichlorobenzene	38.4%
d5-Phenol	44.5%	2-Fluorophenol	55.2%
2,4,6-Tribromophenol	52.0%	d4-2-Chlorophenol	43.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-10-070928**
 REEXTRACT

Lab Sample ID: LR71E
LIMS ID: 07-23292
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 18:45
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 22.7%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**74**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**24**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**27**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**41**
129-00-0	**Pyrene**	**20**	**31**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**20 B**
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-10-070928**
Page 2 of 2 **REEXTRACT**

Lab Sample ID: LR71E QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-23292 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 18:45

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	33.0%	2-Fluorobiphenyl	33.2%
d14-p-Terphenyl	34.0%	d4-1,2-Dichlorobenzene	30.2%
d5-Phenol	32.3%	2-Fluorophenol	27.2%
2,4,6-Tribromophenol	34.1%	d4-2-Chlorophenol	32.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-11-070928**
Page 1 of 2 **SAMPLE**

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 18:36
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: 32.9%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**40**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	**Naphthalene**	**20**	**40**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	**Acenaphthylene**	**20**	**21**
83-32-9	Acenaphthene	20	< 20 U
132-64-9	**Dibenzofuran**	**20**	**23**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**31**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**280**
120-12-7	**Anthracene**	**20**	**110**
84-74-2	**Di-n-Butylphthalate**	**20**	**44**
206-44-0	**Fluoranthene**	**20**	**2,000 E**
129-00-0	**Pyrene**	**20**	**1,200**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**490**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**250**
218-01-9	**Chrysene**	**20**	**650**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**370**
207-08-9	**Benzo(k)fluoranthene**	**20**	**260**
50-32-8	**Benzo(a)pyrene**	**20**	**220**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**37**
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	**Benzo(g,h,i)perylene**	**20**	**21**

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-11-070928**
 SAMPLE

Lab Sample ID: LR71F QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20771 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 10/18/07 18:36

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	46.4%	2-Fluorobiphenyl	46.8%
d14-p-Terphenyl	55.6%	d4-1,2-Dichlorobenzene	42.0%
d5-Phenol	47.7%	2-Fluorophenol	56.3%
2,4,6-Tribromophenol	60.0%	d4-2-Chlorophenol	48.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-11-070928**
 DILUTION

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/19/07 17:51
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 32.9%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
106-46-7	1,4-Dichlorobenzene	60	< 60 U
100-51-6	Benzyl Alcohol	60	< 60 U
95-50-1	1,2-Dichlorobenzene	60	< 60 U
95-48-7	2-Methylphenol	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
105-67-9	2,4-Dimethylphenol	60	< 60 U
65-85-0	Benzoic Acid	600	< 600 U
120-82-1	1,2,4-Trichlorobenzene	30	< 30 UJ
91-20-3	Naphthalene	60	< 60 U
87-68-3	Hexachlorobutadiene	60	< 60 U
91-57-6	2-Methylnaphthalene	60	< 60 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
83-32-9	Acenaphthene	60	< 60 U
132-64-9	Dibenzofuran	60	< 60 U
84-66-2	Diethylphthalate	60	< 60 U
86-73-7	Fluorene	60	< 60 U
86-30-6	N-Nitrosodiphenylamine	60	< 60 U
118-74-1	Hexachlorobenzene	30	< 30 UJ
87-86-5	Pentachlorophenol	300	< 300 U
85-01-8	**Phenanthrene**	**60**	**300**
120-12-7	**Anthracene**	**60**	**120**
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	**Fluoranthene**	**60**	**2,600**
129-00-0	**Pyrene**	**60**	**1,400**
85-68-7	Butylbenzylphthalate	60	< 60 U
56-55-3	**Benzo(a)anthracene**	**60**	**530**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**60**	**270**
218-01-9	**Chrysene**	**60**	**690**
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	**Benzo(b)fluoranthene**	**60**	**290**
207-08-9	**Benzo(k)fluoranthene**	**60**	**300**
50-32-8	**Benzo(a)pyrene**	**60**	**220**
193-39-5	Indeno(1,2,3-cd)pyrene	60	< 60 U
53-70-3	Dibenz(a,h)anthracene	60	< 60 U
191-24-2	Benzo(g,h,i)perylene	60	< 60 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-11-070928**
Page 2 of 2 **DILUTION**

Lab Sample ID: LR71F QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20771 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 10/19/07 17:51

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	51.0%	2-Fluorobiphenyl	50.0%
d14-p-Terphenyl	57.5%	d4-1,2-Dichlorobenzene	44.5%
d5-Phenol	46.2%	2-Fluorophenol	54.6%
2,4,6-Tribromophenol	48.2%	d4-2-Chlorophenol	49.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS
Page 1 of 2

Sample ID: AN-SS-11-070928
REEXTRACT

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 20:18
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 32.9%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**24**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**66**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	**Naphthalene**	**20**	**100**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	**2-Methylnaphthalene**	**20**	**31**
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	**Acenaphthylene**	**20**	**32**
83-32-9	**Acenaphthene**	**20**	**32**
132-64-9	**Dibenzofuran**	**20**	**37**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**50**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	**Phenanthrene**	**20**	**420**
120-12-7	**Anthracene**	**20**	**92**
84-74-2	Di-n-Butylphthalate	42	< 42 Y
206-44-0	**Fluoranthene**	**20**	**840**
129-00-0	**Pyrene**	**20**	**550**
85-68-7	Butylbenzylphthalate	45	< 45 Y
56-55-3	**Benzo(a)anthracene**	**20**	**190**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**280 B**
218-01-9	**Chrysene**	**20**	**250**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**160**
207-08-9	**Benzo(k)fluoranthene**	**20**	**180**
50-32-8	**Benzo(a)pyrene**	**20**	**170**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**66**
53-70-3	**Dibenz(a,h)anthracene**	**20**	**27**
191-24-2	**Benzo(g,h,i)perylene**	**20**	**43**

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-11-070928
REEXTRACT

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Date Analyzed: 11/01/07 20:18

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	22

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	60.4%	2-Fluorobiphenyl	64.0%
d14-p-Terphenyl	60.8%	d4-1,2-Dichlorobenzene	56.8%
d5-Phenol	62.7%	2-Fluorophenol	49.1%
2,4,6-Tribromophenol	65.6%	d4-2-Chlorophenol	61.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-04**
Page 1 of 2 **SAMPLE**

Lab Sample ID: LR71H
LIMS ID: 07-20773
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 19:10
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.1 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 36.6%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**20**
129-00-0	Pyrene	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-04**
Page 2 of 2 **SAMPLE**

Lab Sample ID: LR71H QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20773 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 10/18/07 19:10

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.4%	2-Fluorobiphenyl	57.2%
d14-p-Terphenyl	56.4%	d4-1,2-Dichlorobenzene	47.6%
d5-Phenol	52.8%	2-Fluorophenol	63.5%
2,4,6-Tribromophenol	63.2%	d4-2-Chlorophenol	55.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-04
REEXTRACT

Lab Sample ID: LR71H
LIMS ID: 07-20773
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 20:50
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 36.6%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**20**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	**Diethylphthalate**	**20**	**33**
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**34**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**44**
129-00-0	**Pyrene**	**20**	**33**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**110 B**
218-01-9	**Chrysene**	**20**	**26**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-04**
Page 2 of 2 **REEXTRACT**

Lab Sample ID: LR71H QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20773 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 20:50

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.4%	2-Fluorobiphenyl	58.4%
d14-p-Terphenyl	54.4%	d4-1,2-Dichlorobenzene	52.0%
d5-Phenol	56.3%	2-Fluorophenol	46.4%
2,4,6-Tribromophenol	59.2%	d4-2-Chlorophenol	55.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-05**
Page 1 of 2 **SAMPLE**

Lab Sample ID: LR71I
LIMS ID: 07-20774
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 19:44
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: 48.3%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**44**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	**Phenanthrene**	**20**	**39**
120-12-7	Anthracene	20	< 20 U
84-74-2	**Di-n-Butylphthalate**	**20**	**150 M**
206-44-0	**Fluoranthene**	**20**	**210**
129-00-0	**Pyrene**	**20**	**84**
85-68-7	**Butylbenzylphthalate**	**20**	**27 M**
56-55-3	**Benzo(a)anthracene**	**20**	**24**
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**30**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**28**
207-08-9	**Benzo(k)fluoranthene**	**20**	**24**
50-32-8	**Benzo(a)pyrene**	**20**	**25**
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-05**
Page 2 of 2 **SAMPLE**

Lab Sample ID: LR71I QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20774 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 10/18/07 19:44

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	50.4%	2-Fluorobiphenyl	48.8%
d14-p-Terphenyl	68.4%	d4-1,2-Dichlorobenzene	45.2%
d5-Phenol	52.3%	2-Fluorophenol	62.9%
2,4,6-Tribromophenol	63.2%	d4-2-Chlorophenol	53.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-05
REEXTRACT

Lab Sample ID: LR71I
LIMS ID: 07-20774
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 21:21
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 48.3%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**69**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**60**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	**Benzoic Acid**	**200**	**280**
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	**Phenanthrene**	**20**	**41**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	200	< 200 Y
206-44-0	**Fluoranthene**	**20**	**260 M**
129-00-0	**Pyrene**	**20**	**85**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**28**
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**35**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**30**
207-08-9	**Benzo(k)fluoranthene**	**20**	**28**
50-32-8	**Benzo(a)pyrene**	**20**	**30**
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-05**
 REEXTRACT

Lab Sample ID: LR71I QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20774 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 21:21

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	57.2%	2-Fluorobiphenyl	56.8%
d14-p-Terphenyl	63.2%	d4-1,2-Dichlorobenzene	51.2%
d5-Phenol	56.5%	2-Fluorophenol	45.1%
2,4,6-Tribromophenol	71.5%	d4-2-Chlorophenol	55.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-06**
Page 1 of 2 **SAMPLE**

Lab Sample ID: LR71J
LIMS ID: 07-20775
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 20:18
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: 22.1%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**38**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.8	< 9.8 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.8	< 9.8 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**24**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**46**
129-00-0	**Pyrene**	**20**	**30**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-06**
Page 2 of 2 **SAMPLE**

Lab Sample ID: LR71J QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20775 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 10/18/07 20:18

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	54.0%	2-Fluorobiphenyl	57.6%
d14-p-Terphenyl	60.4%	d4-1,2-Dichlorobenzene	48.0%
d5-Phenol	51.7%	2-Fluorophenol	64.3%
2,4,6-Tribromophenol	60.0%	d4-2-Chlorophenol	54.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-06
REEXTRACT

Lab Sample ID: LR71J
LIMS ID: 07-20775
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 21:52
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 51.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 22.1%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**46**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**230**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	**Phenanthrene**	**20**	**26**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**40**
129-00-0	**Pyrene**	**20**	**25**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**22**
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**30**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**23**
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-06**
 REEXTRACT

Lab Sample ID: LR71J QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20775 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 21:52

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	55.6%	2-Fluorobiphenyl	59.6%
d14-p-Terphenyl	54.8%	d4-1,2-Dichlorobenzene	52.8%
d5-Phenol	56.3%	2-Fluorophenol	46.4%
2,4,6-Tribromophenol	61.6%	d4-2-Chlorophenol	55.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-08
SAMPLE

Lab Sample ID: LR71K
LIMS ID: 07-20776
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 20:51
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: 41.2%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**59**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	**Naphthalene**	**20**	**65**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	**2-Methylnaphthalene**	**20**	**42**
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	**Acenaphthylene**	**20**	**47**
83-32-9	**Acenaphthene**	**20**	**37**
132-64-9	**Dibenzofuran**	**20**	**51**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**85**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**740**
120-12-7	**Anthracene**	**20**	**100**
84-74-2	**Di-n-Butylphthalate**	**20**	**30**
206-44-0	**Fluoranthene**	**20**	**1,100**
129-00-0	**Pyrene**	**20**	**780**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**300**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**440**
218-01-9	**Chrysene**	**20**	**380**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**260**
207-08-9	**Benzo(k)fluoranthene**	**20**	**420**
50-32-8	**Benzo(a)pyrene**	**20**	**330**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**76**
53-70-3	**Dibenz(a,h)anthracene**	**20**	**26**
191-24-2	**Benzo(g,h,i)perylene**	**20**	**49**

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-08**
 SAMPLE

Lab Sample ID: LR71K QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20776 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 10/18/07 20:51

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	35

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	55.2%	2-Fluorobiphenyl	53.6%
d14-p-Terphenyl	71.2%	d4-1,2-Dichlorobenzene	46.4%
d5-Phenol	56.3%	2-Fluorophenol	67.7%
2,4,6-Tribromophenol	72.5%	d4-2-Chlorophenol	57.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-08**
Page 1 of 2 **REEXTRACT**

Lab Sample ID: LR71K
LIMS ID: 07-20776
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 22:23
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 41.2%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	20	45
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	**Benzyl Alcohol**	20	38 M
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	20	110
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	**Naphthalene**	20	130
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	**2-Methylnaphthalene**	20	70
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	**Acenaphthylene**	20	81
83-32-9	**Acenaphthene**	20	55
132-64-9	**Dibenzofuran**	20	84
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	20	130
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	**Phenanthrene**	20	890
120-12-7	**Anthracene**	20	220
84-74-2	Di-n-Butylphthalate	49	< 49 Y
206-44-0	**Fluoranthene**	20	1,200
129-00-0	**Pyrene**	20	1,400
85-68-7	Butylbenzylphthalate	110	< 110 Y
56-55-3	**Benzo(a)anthracene**	20	530
117-81-7	**bis(2-Ethylhexyl)phthalate**	20	490 B
218-01-9	**Chrysene**	20	700
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	20	430
207-08-9	**Benzo(k)fluoranthene**	20	330
50-32-8	**Benzo(a)pyrene**	20	450
193-39-5	**Indeno(1,2,3-cd)pyrene**	20	100
53-70-3	**Dibenz(a,h)anthracene**	20	37
191-24-2	**Benzo(g,h,i)perylene**	20	62

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-08**
Page 2 of 2 **REEXTRACT**

Lab Sample ID: LR71K QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20776 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 22:23

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	52

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	60.8%	2-Fluorobiphenyl	63.2%
d14-p-Terphenyl	105%	d4-1,2-Dichlorobenzene	59.2%
d5-Phenol	65.3%	2-Fluorophenol	51.7%
2,4,6-Tribromophenol	71.5%	d4-2-Chlorophenol	63.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-09**
 SAMPLE

Lab Sample ID: LR71L
LIMS ID: 07-20777
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 21:25
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.1 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 34.1%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	**Naphthalene**	**20**	**22**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	**2-Methylnaphthalene**	**20**	**66**
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	**Dibenzofuran**	**20**	**28**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**24**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	**Phenanthrene**	**20**	**98**
120-12-7	**Anthracene**	**20**	**35**
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**460**
129-00-0	**Pyrene**	**20**	**300**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**100**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**220**
218-01-9	**Chrysene**	**20**	**270**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**190**
207-08-9	**Benzo(k)fluoranthene**	**20**	**120**
50-32-8	**Benzo(a)pyrene**	**20**	**83**
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-09**
 SAMPLE

Lab Sample ID: LR71L QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20777 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 10/18/07 21:25

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	42

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	50.0%	2-Fluorobiphenyl	49.6%
d14-p-Terphenyl	60.4%	d4-1,2-Dichlorobenzene	45.2%
d5-Phenol	53.1%	2-Fluorophenol	60.8%
2,4,6-Tribromophenol	65.1%	d4-2-Chlorophenol	53.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-09**
Page 1 of 2 **REEXTRACT**

Lab Sample ID: LR71L
LIMS ID: 07-20777
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 22:54
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 34.1%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**52**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**22**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	**Benzoic Acid**	**200**	**210**
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	**Naphthalene**	**20**	**50**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	**2-Methylnaphthalene**	**20**	**140**
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	**Acenaphthene**	**20**	**71**
132-64-9	**Dibenzofuran**	**20**	**88**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**100**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**500**
120-12-7	**Anthracene**	**20**	**130**
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**690**
129-00-0	**Pyrene**	**20**	**430**
85-68-7	Butylbenzylphthalate	80	< 80 Y
56-55-3	**Benzo(a)anthracene**	**20**	**160**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**150**
218-01-9	**Chrysene**	**20**	**220**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**180**
207-08-9	**Benzo(k)fluoranthene**	**20**	**160**
50-32-8	**Benzo(a)pyrene**	**20**	**150**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**43**
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	**Benzo(g,h,i)perylene**	**20**	**27**

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-09
REEXTRACT

Lab Sample ID: LR71L
LIMS ID: 07-20777
Matrix: Sediment
Date Analyzed: 11/01/07 22:54

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	95

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	58.8%	2-Fluorobiphenyl	59.2%
d14-p-Terphenyl	59.6%	d4-1,2-Dichlorobenzene	54.0%
d5-Phenol	57.1%	2-Fluorophenol	42.4%
2,4,6-Tribromophenol	60.5%	d4-2-Chlorophenol	57.3%

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES SOIL/SEDIMENT SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Client ID	NBZ	FBP	TPH	DCB	PHL	2FP	TBP	2CP	TOT OUT
AN-SS-01-070927	53.6%	55.2%	71.6%	47.6%	60.3%	68.8%	74.4%	58.7%	0
AN-SS-01-070927 RE	52.0%	53.6%	56.0%	48.4%	55.7%	44.3%	56.5%	54.4%	0
AN-SS-02-070927	48.8%	49.2%	64.0%	44.8%	54.9%	63.2%	63.7%	54.4%	0
AN-SS-02-070927 RE	57.6%	57.6%	42.4%	51.2%	60.0%	47.5%	66.1%	59.5%	0
AN-SS-03-070928	48.8%	50.8%	63.6%	42.8%	52.0%	64.8%	65.9%	52.0%	0
AN-SS-03-070928 RE	54.4%	56.0%	53.6%	51.2%	57.6%	45.6%	57.6%	56.0%	0
AN-SS-07-070928	51.6%	53.2%	64.0%	46.4%	54.4%	64.5%	66.7%	54.7%	0
AN-SS-07-070928 RE	56.0%	59.2%	59.2%	50.4%	60.0%	46.4%	61.1%	57.1%	0
MB-101007	44.4%	39.4%*	64.0%	38.2%	49.1%	57.1%	52.0%	46.9%	1
LCS-101007	42.4%	39.4%*	57.2%	38.3%	48.5%	55.2%	54.7%	45.9%	1
AN-SS-10-070928	42.8%	46.8%	50.8%	38.4%	44.5%	55.2%	52.0%	43.7%	0
AN-SS-10-070928 MS	57.6%	56.8%	78.8%	56.8%	66.4%	75.7%	77.6%	64.3%	0
AN-SS-10-070928 MSD	52.8%	52.4%	64.8%	50.4%	55.7%	61.9%	63.5%	54.9%	0
AN-SS-11-070928	46.4%	46.8%	55.6%	42.0%	47.7%	56.3%	60.0%	48.3%	0
AN-SS-11-070928 DL	51.0%	50.0%	57.5%	44.5%	46.2%	54.6%	48.2%	49.9%	0
AN-SS-11-070928 RE	60.4%	64.0%	60.8%	56.8%	62.7%	49.1%	65.6%	61.1%	0
AN-SS-04	56.4%	57.2%	56.4%	47.6%	52.8%	63.5%	63.2%	55.2%	0
AN-SS-04 RE	56.4%	58.4%	54.4%	52.0%	56.3%	46.4%	59.2%	55.7%	0
AN-SS-05	50.4%	48.8%	68.4%	45.2%	52.3%	62.9%	63.2%	53.9%	0
AN-SS-05 RE	57.2%	56.8%	63.2%	51.2%	56.5%	45.1%	71.5%	55.5%	0
AN-SS-06	54.0%	57.6%	60.4%	48.0%	51.7%	64.3%	60.0%	54.1%	0
AN-SS-06 RE	55.6%	59.6%	54.8%	52.8%	56.3%	46.4%	61.6%	55.7%	0
AN-SS-08	55.2%	53.6%	71.2%	46.4%	56.3%	67.7%	72.5%	57.3%	0
AN-SS-08 RE	60.8%	63.2%	105%*	59.2%	65.3%	51.7%	71.5%	63.7%	1
AN-SS-09	50.0%	49.6%	60.4%	45.2%	53.1%	60.8%	65.1%	53.9%	0
AN-SS-09 RE	58.8%	59.2%	59.6%	54.0%	57.1%	42.4%	60.5%	57.3%	0
MB-102707	73.2%	72.4%	83.2%	68.8%	74.4%	62.9%	72.5%	73.1%	0
LCS-102707	60.4%	60.4%	72.4%	56.0%	64.3%	53.3%	65.1%	62.7%	0
LCSD-102707	58.0%	58.4%	69.6%	53.2%	61.9%	49.9%	64.3%	61.1%	0
AN-SS-10-070928	33.0%	33.2%*	34.0%	30.2%	32.3%	27.2%	34.1%	32.8%	1
AN-SS-10-070928 MS	56.4%	58.8%	58.4%	52.8%	60.5%	46.9%	58.9%	59.2%	0
AN-SS-10-070928 MSD	60.8%	63.2%	61.6%	58.0%	64.0%	49.6%	63.2%	63.2%	0

	LCS/MB LIMITS	QC LIMITS
(NBZ) = d5-Nitrobenzene	(42-79)	(26-88)
(FBP) = 2-Fluorobiphenyl	(43-80)	(34-91)
(TPH) = d14-p-Terphenyl	(39-105)	(22-100)
(DCB) = d4-1,2-Dichlorobenzene	(38-79)	(24-90)
(PHL) = d5-Phenol	(42-82)	(25-86)
(2FP) = 2-Fluorophenol	(26-83)	(11-84)
(TBP) = 2,4,6-Tribromophenol	(41-94)	(25-107)
(2CP) = d4-2-Chlorophenol	(43-80)	(23-91)

Prep Method: SW3550B
Log Number Range: 07-20766 to 07-23292

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-10-070928**
Page 1 of 1 MS/MSD

Lab Sample ID: LR71E
LIMS ID: 07-20770
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted MS/MSD: 10/10/07

Sample Amount MS: 50.3 g-dry-wt
MSD: 50.3 g-dry-wt

Date Analyzed MS: 10/18/07 17:29
MSD: 10/18/07 18:03

Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL

Instrument/Analyst MS: NT6/LJR
MSD: NT6/LJR

Dilution Factor MS: 1.00
MSD: 1.00

GPC Cleanup: YES

Percent Moisture: 22.7 %

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Phenol	31.0	339	497	62.0%	285	497	51.1%	17.3%
1,3-Dichlorobenzene	< 19.9	264	497	53.1%	247	497	49.7%	6.7%
1,4-Dichlorobenzene	< 19.9	253	497	50.9%	242	497	48.7%	4.4%
Benzyl Alcohol	< 19.9	759	994	76.4%	611	994	61.5%	21.6%
1,2-Dichlorobenzene	< 19.9	268	497	53.9%	243	497	48.9%	9.8%
2-Methylphenol	< 19.9	343	497	69.0%	285	497	57.3%	18.5%
4-Methylphenol	< 19.9	761	994	76.6%	607	994	61.1%	22.5%
Hexachloroethane	< 19.9	246	497	49.5%	231	497	46.5%	6.3%
2,4-Dimethylphenol	< 19.9	295	497	59.4%	252	497	50.7%	15.7%
Benzoic Acid	< 199	684	1490	45.9%	309	1490	20.7%	75.5%
1,2,4-Trichlorobenzene	< 10.0	267	497	53.7%	245	497	49.3%	8.6%
Naphthalene	< 19.9	289	497	58.1%	260	497	52.3%	10.6%
Hexachlorobutadiene	< 19.9	252	497	50.7%	238	497	47.9%	5.7%
2-Methylnaphthalene	< 19.9	325	497	65.4%	281	497	56.5%	14.5%
Dimethylphthalate	< 19.9	331	497	66.6%	291	497	58.6%	12.9%
Acenaphthylene	< 19.9	296	497	59.6%	256	497	51.5%	14.5%
Acenaphthene	< 19.9	298	497	60.0%	261	497	52.5%	13.2%
Dibenzofuran	< 19.9	328	497	66.0%	283	497	56.9%	14.7%
Diethylphthalate	< 19.9	349	497	70.2%	300	497	60.4%	15.1%
Fluorene	< 19.9	322	497	64.8%	275	497	55.3%	15.7%
N-Nitrosodiphenylamine	< 19.9	361	497	72.6%	295	497	59.4%	20.1%
Hexachlorobenzene	< 10.0	299	497	60.2%	255	497	51.3%	15.9%
Pentachlorophenol	< 99.4	283	497	56.9%	191	497	38.4%	38.8%
Phenanthrene	< 19.9	355	497	71.4%	298	497	60.0%	17.5%
Anthracene	< 19.9	286	497	57.5%	233	497	46.9%	20.4%
Di-n-Butylphthalate	< 19.9	375	497	75.5%	318	497	64.0%	16.5%
Fluoranthene	33.8	418	497	77.3%	385	497	70.7%	8.2%
Pyrene	23.7	408	497	77.3%	354	497	66.5%	14.2%
Butylbenzylphthalate	< 19.9	353	497	71.0%	301	497	60.6%	15.9%
Benzo(a)anthracene	< 19.9	313	497	63.0%	268	497	53.9%	15.5%
bis(2-Ethylhexyl)phthalate	28.6	395	497	73.7%	328	497	60.2%	18.5%
Chrysene	< 19.9	342	497	68.8%	293	497	59.0%	15.4%
Di-n-Octyl phthalate	< 19.9	344	497	69.2%	296	497	59.6%	15.0%
Benzo(b)fluoranthene	< 19.9	374	497	75.3%	347	497	69.8%	7.5%
Benzo(k)fluoranthene	< 19.9	407	497	81.9%	349	497	70.2%	15.3%
Benzo(a)pyrene	< 19.9	349	497	70.2%	297	497	59.8%	16.1%
Indeno(1,2,3-cd)pyrene	< 19.9	207	497	41.6%	165	497	33.2%	22.6%
Dibenz(a,h)anthracene	< 19.9	221	497	44.5%	181	497	36.4%	19.9%
Benzo(g,h,i)perylene	< 19.9	125	497	25.2%	95.3	497	19.2%	27.0%
1-Methylnaphthalene	< 19.9	326	497	65.6%	283	497	56.9%	14.1%

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: AN-SS-10-070928**
Page 1 of 2 **MATRIX SPIKE**

Lab Sample ID: LR71E
LIMS ID: 07-20770
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 17:29
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: 22.7%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	---
541-73-1	1,3-Dichlorobenzene	20	---
106-46-7	1,4-Dichlorobenzene	20	---
100-51-6	Benzyl Alcohol	20	---
95-50-1	1,2-Dichlorobenzene	20	---
95-48-7	2-Methylphenol	20	---
106-44-5	4-Methylphenol	20	---
67-72-1	Hexachloroethane	20	---
105-67-9	2,4-Dimethylphenol	20	---
65-85-0	Benzoic Acid	200	---
120-82-1	1,2,4-Trichlorobenzene	20	---
91-20-3	Naphthalene	20	---
87-68-3	Hexachlorobutadiene	20	---
91-57-6	2-Methylnaphthalene	20	---
131-11-3	Dimethylphthalate	20	---
208-96-8	Acenaphthylene	20	---
83-32-9	Acenaphthene	20	---
132-64-9	Dibenzofuran	20	---
84-66-2	Diethylphthalate	20	---
86-73-7	Fluorene	20	---
86-30-6	N-Nitrosodiphenylamine	20	---
118-74-1	Hexachlorobenzene	20	---
87-86-5	Pentachlorophenol	99	---
85-01-8	Phenanthrene	20	---
120-12-7	Anthracene	20	---
84-74-2	Di-n-Butylphthalate	20	---
206-44-0	Fluoranthene	20	---
129-00-0	Pyrene	20	---
85-68-7	Butylbenzylphthalate	20	---
56-55-3	Benzo(a)anthracene	20	---
117-81-7	bis(2-Ethylhexyl)phthalate	20	---
218-01-9	Chrysene	20	---
117-84-0	Di-n-Octyl phthalate	20	---
205-99-2	Benzo(b)fluoranthene	20	---
207-08-9	Benzo(k)fluoranthene	20	---
50-32-8	Benzo(a)pyrene	20	---
193-39-5	Indeno(1,2,3-cd)pyrene	20	---
53-70-3	Dibenz(a,h)anthracene	20	---
191-24-2	Benzo(g,h,i)perylene	20	---

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-10-070928**
Page 2 of 2 **MATRIX SPIKE**

Lab Sample ID: LR71E QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20770 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 10/18/07 17:29

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	57.6%	2-Fluorobiphenyl	56.8%
d14-p-Terphenyl	78.8%	d4-1,2-Dichlorobenzene	56.8%
d5-Phenol	66.4%	2-Fluorophenol	75.7%
2,4,6-Tribromophenol	77.6%	d4-2-Chlorophenol	64.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-10-070928
MATRIX SPIKE DUPLICATE

Lab Sample ID: LR71E
LIMS ID: 07-20770
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 18:03
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: 22.7%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	---
541-73-1	1,3-Dichlorobenzene	20	---
106-46-7	1,4-Dichlorobenzene	20	---
100-51-6	Benzyl Alcohol	20	---
95-50-1	1,2-Dichlorobenzene	20	---
95-48-7	2-Methylphenol	20	---
106-44-5	4-Methylphenol	20	---
67-72-1	Hexachloroethane	20	---
105-67-9	2,4-Dimethylphenol	20	---
65-85-0	Benzoic Acid	200	---
120-82-1	1,2,4-Trichlorobenzene	20	---
91-20-3	Naphthalene	20	---
87-68-3	Hexachlorobutadiene	20	---
91-57-6	2-Methylnaphthalene	20	---
131-11-3	Dimethylphthalate	20	---
208-96-8	Acenaphthylene	20	---
83-32-9	Acenaphthene	20	---
132-64-9	Dibenzofuran	20	---
84-66-2	Diethylphthalate	20	---
86-73-7	Fluorene	20	---
86-30-6	N-Nitrosodiphenylamine	20	---
118-74-1	Hexachlorobenzene	20	---
87-86-5	Pentachlorophenol	99	---
85-01-8	Phenanthrene	20	---
120-12-7	Anthracene	20	---
84-74-2	Di-n-Butylphthalate	20	---
206-44-0	Fluoranthene	20	---
129-00-0	Pyrene	20	---
85-68-7	Butylbenzylphthalate	20	---
56-55-3	Benzo(a)anthracene	20	---
117-81-7	bis(2-Ethylhexyl)phthalate	20	---
218-01-9	Chrysene	20	---
117-84-0	Di-n-Octyl phthalate	20	---
205-99-2	Benzo(b)fluoranthene	20	---
207-08-9	Benzo(k)fluoranthene	20	---
50-32-8	Benzo(a)pyrene	20	---
193-39-5	Indeno(1,2,3-cd)pyrene	20	---
53-70-3	Dibenz(a,h)anthracene	20	---
191-24-2	Benzo(g,h,i)perylene	20	---

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-10-070928**
 MATRIX SPIKE DUPLICATE

Lab Sample ID: LR71E
LIMS ID: 07-20770
Matrix: Sediment
Date Analyzed: 10/18/07 18:03

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	52.8%	2-Fluorobiphenyl	52.4%
d14-p-Terphenyl	64.8%	d4-1,2-Dichlorobenzene	50.4%
d5-Phenol	55.7%	2-Fluorophenol	61.9%
2,4,6-Tribromophenol	63.5%	d4-2-Chlorophenol	54.9%

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: AN-SS-10-070928
MS/MSD

Lab Sample ID: LR71E
LIMS ID: 07-23292
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted MS/MSD: 10/27/07

Sample Amount MS: 50.8 g-dry-wt
MSD: 50.9 g-dry-wt

Date Analyzed MS: 11/01/07 19:16
MSD: 11/01/07 19:47

Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL

Instrument/Analyst MS: NT4/LJR
MSD: NT4/LJR

Dilution Factor MS: 1.00
MSD: 1.00

GPC Cleanup: YES

Percent Moisture: 22.7 %

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Phenol	73.6	473	492	81.2%	483	491	83.4%	2.1%
1,3-Dichlorobenzene	< 19.7	263	492	53.5%	283	491	57.6%	7.3%
1,4-Dichlorobenzene	< 19.7	268	492	54.5%	283	491	57.6%	5.4%
Benzyl Alcohol	< 19.7	617	984	62.7%	650	983	66.1%	5.2%
1,2-Dichlorobenzene	< 19.7	276	492	56.1%	293	491	59.7%	6.0%
2-Methylphenol	< 19.7	322	492	65.4%	344	491	70.1%	6.6%
4-Methylphenol	24.5	709	984	69.6%	730	983	71.8%	2.9%
Hexachloroethane	< 19.7	231	492	47.0%	246	491	50.1%	6.3%
2,4-Dimethylphenol	< 19.7	290	492	58.9%	307	491	62.5%	5.7%
Benzoic Acid	< 197	892	1480	60.3%	977	1470	66.5%	9.1%
1,2,4-Trichlorobenzene	< 19.7	270	492	54.9%	291	491	59.3%	7.5%
Naphthalene	< 19.7	304	492	61.8%	320	491	65.2%	5.1%
Hexachlorobutadiene	< 19.7	264	492	53.7%	282	491	57.4%	6.6%
2-Methylnaphthalene	< 19.7	308	492	62.6%	327	491	66.6%	6.0%
Dimethylphthalate	< 19.7	277	492	56.3%	299	491	60.9%	7.6%
Acenaphthylene	< 19.7	304	492	61.8%	308	491	62.7%	1.3%
Acenaphthene	< 19.7	281	492	57.1%	301	491	61.3%	6.9%
Dibenzofuran	< 19.7	306	492	62.2%	327	491	66.6%	6.6%
Diethylphthalate	< 19.7	306	492	62.2%	314	491	64.0%	2.6%
Fluorene	< 19.7	298	492	60.6%	317	491	64.6%	6.2%
N-Nitrosodiphenylamine	< 19.7	426	492	86.6%	447	491	91.0%	4.8%
Hexachlorobenzene	< 19.7	322	492	65.4%	336	491	68.4%	4.3%
Pentachlorophenol	< 98.7	348	492	70.7%	383	491	78.0%	9.6%
Phenanthrene	27.4	390	492	73.7%	394	491	74.7%	1.0%
Anthracene	< 19.7	326	492	66.3%	329	491	67.0%	0.9%
Di-n-Butylphthalate	< 19.7	347	492	70.5%	384	491	78.2%	10.1%
Fluoranthene	40.9	419	492	76.8%	426	491	78.4%	1.7%
Pyrene	30.8	369	492	68.7%	364	491	67.9%	1.4%
Butylbenzylphthalate	< 19.7	329	492	66.9%	348	491	70.9%	5.6%
Benzo(a)anthracene	< 19.7	346	492	70.3%	343	491	69.9%	0.9%
bis(2-Ethylhexyl)phthalate	19.9	423 B	492	81.9%	395 B	491	76.4%	6.8%
Chrysene	< 19.7	355	492	72.2%	354	491	72.1%	0.3%
Di-n-Octyl phthalate	< 19.7	354	492	72.0%	376	491	76.6%	6.0%
Benzo(b)fluoranthene	< 19.7	366	492	74.4%	370	491	75.4%	1.1%
Benzo(k)fluoranthene	< 19.7	330	492	67.1%	351	491	71.5%	6.2%
Benzo(a)pyrene	< 19.7	322	492	65.4%	331	491	67.4%	2.8%
Indeno(1,2,3-cd)pyrene	< 19.7	334	492	67.9%	337	491	68.6%	0.9%
Dibenz(a,h)anthracene	< 19.7	359	492	73.0%	363	491	73.9%	1.1%
Benzo(g,h,i)perylene	< 19.7	214	492	43.5%	212	491	43.2%	0.9%
1-Methylnaphthalene	< 19.7	305	492	62.0%	330	491	67.2%	7.9%

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: AN-SS-10-070928**
 MATRIX SPIKE

Lab Sample ID: LR71E
LIMS ID: 07-23292
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 19:16
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 22.7%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	---
541-73-1	1,3-Dichlorobenzene	20	---
106-46-7	1,4-Dichlorobenzene	20	---
100-51-6	Benzyl Alcohol	20	---
95-50-1	1,2-Dichlorobenzene	20	---
95-48-7	2-Methylphenol	20	---
106-44-5	4-Methylphenol	20	---
67-72-1	Hexachloroethane	20	---
105-67-9	2,4-Dimethylphenol	20	---
65-85-0	Benzoic Acid	200	---
120-82-1	1,2,4-Trichlorobenzene	20	---
91-20-3	Naphthalene	20	---
87-68-3	Hexachlorobutadiene	20	---
91-57-6	2-Methylnaphthalene	20	---
131-11-3	Dimethylphthalate	20	---
208-96-8	Acenaphthylene	20	---
83-32-9	Acenaphthene	20	---
132-64-9	Dibenzofuran	20	---
84-66-2	Diethylphthalate	20	---
86-73-7	Fluorene	20	---
86-30-6	N-Nitrosodiphenylamine	20	---
118-74-1	Hexachlorobenzene	20	---
87-86-5	Pentachlorophenol	98	---
85-01-8	Phenanthrene	20	---
120-12-7	Anthracene	20	---
84-74-2	Di-n-Butylphthalate	20	---
206-44-0	Fluoranthene	20	---
129-00-0	Pyrene	20	---
85-68-7	Butylbenzylphthalate	20	---
56-55-3	Benzo(a)anthracene	20	---
117-81-7	bis(2-Ethylhexyl)phthalate	20	---
218-01-9	Chrysene	20	---
117-84-0	Di-n-Octyl phthalate	20	---
205-99-2	Benzo(b)fluoranthene	20	---
207-08-9	Benzo(k)fluoranthene	20	---
50-32-8	Benzo(a)pyrene	20	---
193-39-5	Indeno(1,2,3-cd)pyrene	20	---
53-70-3	Dibenz(a,h)anthracene	20	---
191-24-2	Benzo(g,h,i)perylene	20	---

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-10-070928**
Page 2 of 2 **MATRIX SPIKE**

Lab Sample ID: LR71E QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-23292 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 19:16

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.4%	2-Fluorobiphenyl	58.8%
d14-p-Terphenyl	58.4%	d4-1,2-Dichlorobenzene	52.8%
d5-Phenol	60.5%	2-Fluorophenol	46.9%
2,4,6-Tribromophenol	58.9%	d4-2-Chlorophenol	59.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-10-070928**
 MATRIX SPIKE DUPLICATE

Lab Sample ID: LR71E
LIMS ID: 07-23292
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 19:47
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.9 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 22.7%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	---
541-73-1	1,3-Dichlorobenzene	20	---
106-46-7	1,4-Dichlorobenzene	20	---
100-51-6	Benzyl Alcohol	20	---
95-50-1	1,2-Dichlorobenzene	20	---
95-48-7	2-Methylphenol	20	---
106-44-5	4-Methylphenol	20	---
67-72-1	Hexachloroethane	20	---
105-67-9	2,4-Dimethylphenol	20	---
65-85-0	Benzoic Acid	200	---
120-82-1	1,2,4-Trichlorobenzene	20	---
91-20-3	Naphthalene	20	---
87-68-3	Hexachlorobutadiene	20	---
91-57-6	2-Methylnaphthalene	20	---
131-11-3	Dimethylphthalate	20	---
208-96-8	Acenaphthylene	20	---
83-32-9	Acenaphthene	20	---
132-64-9	Dibenzofuran	20	---
84-66-2	Diethylphthalate	20	---
86-73-7	Fluorene	20	---
86-30-6	N-Nitrosodiphenylamine	20	---
118-74-1	Hexachlorobenzene	20	---
87-86-5	Pentachlorophenol	98	---
85-01-8	Phenanthrene	20	---
120-12-7	Anthracene	20	---
84-74-2	Di-n-Butylphthalate	20	---
206-44-0	Fluoranthene	20	---
129-00-0	Pyrene	20	---
85-68-7	Butylbenzylphthalate	20	---
56-55-3	Benzo(a)anthracene	20	---
117-81-7	bis(2-Ethylhexyl)phthalate	20	---
218-01-9	Chrysene	20	---
117-84-0	Di-n-Octyl phthalate	20	---
205-99-2	Benzo(b)fluoranthene	20	---
207-08-9	Benzo(k)fluoranthene	20	---
50-32-8	Benzo(a)pyrene	20	---
193-39-5	Indeno(1,2,3-cd)pyrene	20	---
53-70-3	Dibenz(a,h)anthracene	20	---
191-24-2	Benzo(g,h,i)perylene	20	---

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-10-070928**
Page 2 of 2 **MATRIX SPIKE DUPLICATE**

Lab Sample ID: LR71E QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-23292 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 19:47

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	60.8%	2-Fluorobiphenyl	63.2%
d14-p-Terphenyl	61.6%	d4-1,2-Dichlorobenzene	58.0%
d5-Phenol	64.0%	2-Fluorophenol	49.6%
2,4,6-Tribromophenol	63.2%	d4-2-Chlorophenol	63.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: LCS-101007
LAB CONTROL

Lab Sample ID: LCS-101007
LIMS ID: 07-20770
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 11:15
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

Analyte	Lab Control	Spike Added	Recovery
Phenol	232	500	46.4%
1,3-Dichlorobenzene	206	500	41.2%
1,4-Dichlorobenzene	204	500	40.8%
Benzyl Alcohol	473	1000	47.3%
1,2-Dichlorobenzene	211	500	42.2%
2-Methylphenol	246	500	49.2%
4-Methylphenol	514	1000	51.4%
Hexachloroethane	199	500	39.8%
2,4-Dimethylphenol	137	500	27.4%
Benzoic Acid	828	1500	55.2%
1,2,4-Trichlorobenzene	200	500	40.0%
Naphthalene	213	500	42.6%
Hexachlorobutadiene	195	500	39.0%
2-Methylnaphthalene	234	500	46.8%
Dimethylphthalate	259	500	51.8%
Acenaphthylene	217	500	43.4%
Acenaphthene	220	500	44.0%
Dibenzofuran	241	500	48.2%
Diethylphthalate	269	500	53.8%
Fluorene	234	500	46.8%
N-Nitrosodiphenylamine	269	500	53.8%
Hexachlorobenzene	222	500	44.4%
Pentachlorophenol	238	500	47.6%
Phenanthrene	245	500	49.0%
Anthracene	219	500	43.8%
Di-n-Butylphthalate	280	500	56.0%
Fluoranthene	261	500	52.2%
Pyrene	266	500	53.2%
Butylbenzylphthalate	273	500	54.6%
Benzo(a)anthracene	233	500	46.6%
bis(2-Ethylhexyl)phthalate	283	500	56.6%
Chrysene	248	500	49.6%
Di-n-Octyl phthalate	271	500	54.2%
Benzo(b)fluoranthene	281	500	56.2%
Benzo(k)fluoranthene	294	500	58.8%
Benzo(a)pyrene	244	500	48.8%
Indeno(1,2,3-cd)pyrene	252	500	50.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: LCS-101007**
 LAB CONTROL

Lab Sample ID: LCS-101007 QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20770 Project: Kimberly Clark Anacortes
Matrix: Sediment
Date Analyzed: 10/18/07 11:15

Analyte	Lab Control	Spike Added	Recovery
Dibenz(a,h)anthracene	256	500	51.2%
Benzo(g,h,i)perylene	158	500	31.6%
1-Methylnaphthalene	235	500	47.0%

Semivolatile Surrogate Recovery	
d5-Nitrobenzene	42.4%
2-Fluorobiphenyl	39.4%
d14-p-Terphenyl	57.2%
d4-1,2-Dichlorobenzene	38.3%
d5-Phenol	48.5%
2-Fluorophenol	55.2%
2,4,6-Tribromophenol	54.7%
d4-2-Chlorophenol	45.9%

Results reported in µg/kg

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS
Page 1 of 2

Sample ID: LCS-102707
LCS/LCSD

Lab Sample ID: LCS-102707
LIMS ID: 07-23292
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted LCS/LCSD: 10/27/07

Sample Amount LCS: 50.0 g
LCSD: 50.0 g

Date Analyzed LCS: 11/01/07 15:37
LCSD: 11/01/07 16:08

Final Extract Volume LCS: 1.0 mL
LCSD: 1.0 mL

Instrument/Analyst LCS: NT4/LJR
LCSD: NT4/LJR

Dilution Factor LCS: 1.00
LCSD: 1.00

GPC Cleanup: YES

Percent Moisture: NA

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Phenol	359	500	71.8%	344	500	68.8%	4.3%
1,3-Dichlorobenzene	291	500	58.2%	282	500	56.4%	3.1%
1,4-Dichlorobenzene	293	500	58.6%	285	500	57.0%	2.8%
Benzyl Alcohol	665	1000	66.5%	625	1000	62.5%	6.2%
1,2-Dichlorobenzene	302	500	60.4%	292	500	58.4%	3.4%
2-Methylphenol	325	500	65.0%	320	500	64.0%	1.6%
4-Methylphenol	722	1000	72.2%	697	1000	69.7%	3.5%
Hexachloroethane	296	500	59.2%	285	500	57.0%	3.8%
2,4-Dimethylphenol	256	500	51.2%	249	500	49.8%	2.8%
Benzoic Acid	1080	1500	72.0%	1040	1500	69.3%	3.8%
1,2,4-Trichlorobenzene	295	500	59.0%	282	500	56.4%	4.5%
Naphthalene	314	500	62.8%	300	500	60.0%	4.6%
Hexachlorobutadiene	284	500	56.8%	276	500	55.2%	2.9%
2-Methylnaphthalene	324	500	64.8%	306	500	61.2%	5.7%
Dimethylphthalate	339	500	67.8%	321	500	64.2%	5.5%
Acenaphthylene	343	500	68.6%	320	500	64.0%	6.9%
Acenaphthene	312	500	62.4%	299	500	59.8%	4.3%
Dibenzofuran	340	500	68.0%	325	500	65.0%	4.5%
Diethylphthalate	343	500	68.6%	325	500	65.0%	5.4%
Fluorene	336	500	67.2%	318	500	63.6%	5.5%
N-Nitrosodiphenylamine	469	500	93.8%	447	500	89.4%	4.8%
Hexachlorobenzene	326	500	65.2%	317	500	63.4%	2.8%
Pentachlorophenol	362	500	72.4%	339	500	67.8%	6.6%
Phenanthrene	354	500	70.8%	336	500	67.2%	5.2%
Anthracene	334	500	66.8%	323	500	64.6%	3.3%
Di-n-Butylphthalate	363	500	72.6%	349	500	69.8%	3.9%
Fluoranthene	335	500	67.0%	327	500	65.4%	2.4%
Pyrene	387	500	77.4%	368	500	73.6%	5.0%
Butylbenzylphthalate	401	500	80.2%	382	500	76.4%	4.9%
Benzo(a)anthracene	352	500	70.4%	337	500	67.4%	4.4%
bis(2-Ethylhexyl)phthalate	407	500	81.4%	392	500	78.4%	3.8%
Chrysene	358	500	71.6%	343	500	68.6%	4.3%
Di-n-Octyl phthalate	383	500	76.6%	361	500	72.2%	5.9%
Benzo(b)fluoranthene	388	500	77.6%	357	500	71.4%	8.3%

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: LCSD-102707**
 LCS/LCSD

Lab Sample ID: LCS-102707 QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-23292 Project: Kimberly Clark Anacortes
Matrix: Sediment
Date Analyzed LCS: 11/01/07 15:37
LCSD: 11/01/07 16:08

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Benzo(k)fluoranthene	343	500	68.6%	347	500	69.4%	1.2%
Benzo(a)pyrene	357	500	71.4%	349	500	69.8%	2.3%
Indeno(1,2,3-cd)pyrene	422	500	84.4%	344	500	68.8%	20.4%
Dibenz(a,h)anthracene	437	500	87.4%	417	500	83.4%	4.7%
Benzo(g,h,i)perylene	278	500	55.6%	267	500	53.4%	4.0%
1-Methylnaphthalene	321	500	64.2%	306	500	61.2%	4.8%

Semivolatile Surrogate Recovery

	LCS	LCSD
d5-Nitrobenzene	60.4%	58.0%
2-Fluorobiphenyl	60.4%	58.4%
d14-p-Terphenyl	72.4%	69.6%
d4-1,2-Dichlorobenzene	56.0%	53.2%
d5-Phenol	64.3%	61.9%
2-Fluorophenol	53.3%	49.9%
2,4,6-Tribromophenol	65.1%	64.3%
d4-2-Chlorophenol	62.7%	61.1%

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

LR71MBS1

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: LR71 Project: KIMBERLY CLARK ANACO

Lab File ID: LR71MB Date Extracted: 10/10/07

Instrument ID: NT6 Date Analyzed: 10/18/07

Matrix: SOLID Time Analyzed: 1042

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LR71LCSS1	LR71LCSS1	LR71SB	10/18/07
02	AN-SS-01-070927	LR71A	LR71A	10/18/07
03	AN-SS-02-070927	LR71B	LR71B	10/18/07
04	AN-SS-03-070928	LR71C	LR71C	10/18/07
05	AN-SS-07-070928	LR71D	LR71D	10/18/07
06	AN-SS-10-070928	LR71E	LR71E	10/18/07
07	AN-SS-10-070928	LR71EMS	LR71EMS	10/18/07
08	AN-SS-10-070928	LR71EMSD	LR71EMD	10/18/07
09	AN-SS-11-070928	LR71F	LR71F	10/18/07
10	AN-SS-04	LR71H	LR71H	10/18/07
11	AN-SS-05	LR71I	LR71I	10/18/07
12	AN-SS-06	LR71J	LR71J	10/18/07
13	AN-SS-08	LR71K	LR71K	10/18/07
14	AN-SS-09	LR71L	LR71L	10/18/07
15	AN-SS-11-070928	LR71F	LR71FDL	10/19/07
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COMMENTS:

FORM IV SV

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: MB-101007
METHOD BLANK

Lab Sample ID: MB-101007
LIMS ID: 07-20770
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: NA
Date Received: NA

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 10:42
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

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: MB-101007**
 METHOD BLANK

Lab Sample ID: MB-101007 QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20770 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 10/18/07 10:42

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	44.4%	2-Fluorobiphenyl	39.4%
d14-p-Terphenyl	64.0%	d4-1,2-Dichlorobenzene	38.2%
d5-Phenol	49.1%	2-Fluorophenol	57.1%
2,4,6-Tribromophenol	52.0%	d4-2-Chlorophenol	46.9%

4B

SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

LR71MBS2

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: LR71 Project: KIMBERLY CLARK ANACO

Lab File ID: LU10MB Date Extracted: 10/27/07

Instrument ID: NT4 Date Analyzed: 11/01/07

Matrix: SOLID Time Analyzed: 1506

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LR71LCSS2	LR71LCSS2	LU10SB	11/01/07
02	LR71LCSDS2	LR71LCSDS2	LU10SBD	11/01/07
03	AN-SS-01-070927	LR71ARE	LR71A2	11/01/07
04	AN-SS-02-070927	LR71BRE	LR71B2	11/01/07
05	AN-SS-03-070928	LR71CRE	LR71C2	11/01/07
06	AN-SS-07-070928	LR71DRE	LR71D2	11/01/07
07	AN-SS-10-070928	LR71ERE	LR71E2	11/01/07
08	AN-SS-10-070928	LR71EMSRE	LR71EMS2	11/01/07
09	AN-SS-10-070928	LR71EMSDRE	LR71EMD2	11/01/07
10	AN-SS-11-070928	LR71FRE	LR71F2	11/01/07
11	AN-SS-04	LR71HRE	LR71H2	11/01/07
12	AN-SS-05	LR71IRE	LR71I2	11/01/07
13	AN-SS-06	LR71JRE	LR71J2	11/01/07
14	AN-SS-08	LR71KRE	LR71K2	11/01/07
15	AN-SS-09	LR71LRE	LR71L2	11/01/07
16				
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COMMENTS:

FORM IV SV

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: MB-102707**
Page 1 of 2 **METHOD BLANK**

Lab Sample ID: MB-102707
LIMS ID: 07-23292
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: NA
Date Received: NA

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 15:06
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

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

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**22**
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: MB-102707**
 METHOD BLANK

Lab Sample ID: MB-102707 QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-23292 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 15:06

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	73.2%	2-Fluorobiphenyl	72.4%
d14-p-Terphenyl	83.2%	d4-1,2-Dichlorobenzene	68.8%
d5-Phenol	74.4%	2-Fluorophenol	62.9%
2,4,6-Tribromophenol	72.5%	d4-2-Chlorophenol	73.1%

PCB

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-01-070927
SAMPLE

Lab Sample ID: LR71A
LIMS ID: 07-20766
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 09:47
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 51.5%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	4.0	< 4.0 U
53469-21-9	Aroclor 1242	4.0	< 4.0 U
12672-29-6	Aroclor 1248	4.0	< 4.0 U
11097-69-1	**Aroclor 1254**	**4.0**	**8.6**
11096-82-5	Aroclor 1260	4.0	< 4.0 U
11104-28-2	Aroclor 1221	4.0	< 4.0 U
11141-16-5	Aroclor 1232	4.0	< 4.0 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	106%
Tetrachlorometaxylene	82.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-02-070927
SAMPLE

Lab Sample ID: LR71B
LIMS ID: 07-20767
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 12:21
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 50.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	**Aroclor 1254**	**3.9**	**12**
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	76.0%
Tetrachlorometaxylene	87.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-03-070928
SAMPLE

Lab Sample ID: LR71C
LIMS ID: 07-20768
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 12:39
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 33.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	Aroclor 1254	3.9	< 3.9 U
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	87.8%
Tetrachlorometaxylene	72.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
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Sample ID: AN-SS-07-070928
SAMPLE

Lab Sample ID: LR71D
LIMS ID: 07-20769
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 13:30
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 28.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	7.8	< 7.8 Y
11097-69-1	**Aroclor 1254**	**3.9**	**39**
11096-82-5	**Aroclor 1260**	**3.9**	**34**
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	102%
Tetrachlorometaxylene	80.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
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Sample ID: AN-SS-10-070928
SAMPLE

Lab Sample ID: LR71E
LIMS ID: 07-20770
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 13:47
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 22.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	**Aroclor 1254**	**3.9**	**210 E**
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	94.5%
Tetrachlorometaxylene	101%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-10-070928
DILUTION

Lab Sample ID: LR71E
LIMS ID: 07-20770
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 17:30
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 10.0
Silica Gel: No

Percent Moisture: 22.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	39	< 39 U
53469-21-9	Aroclor 1242	39	< 39 U
12672-29-6	Aroclor 1248	39	< 39 U
11097-69-1	**Aroclor 1254**	**39**	**230**
11096-82-5	Aroclor 1260	39	< 39 U
11104-28-2	Aroclor 1221	39	< 39 U
11141-16-5	Aroclor 1232	39	< 39 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	118%
Tetrachlorometaxylene	110%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-11-070928
SAMPLE

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 14:04
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 32.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	39	< 39 Y
11097-69-1	**Aroclor 1254**	**3.9**	**220 E**
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	91.2%
Tetrachlorometaxylene	79.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
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Sample ID: AN-SS-11-070928
DILUTION

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 17:47
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 10.0
Silica Gel: No

Percent Moisture: 32.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	39	< 39 U
53469-21-9	Aroclor 1242	39	< 39 U
12672-29-6	Aroclor 1248	39	< 39 U
11097-69-1	**Aroclor 1254**	**39**	**220**
11096-82-5	Aroclor 1260	39	< 39 U
11104-28-2	Aroclor 1221	39	< 39 U
11141-16-5	Aroclor 1232	39	< 39 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	121%
Tetrachlorometaxylene	85.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-04
SAMPLE

Lab Sample ID: LR71H
LIMS ID: 07-20773
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 14:21
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 36.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	47	< 47 Y
11097-69-1	**Aroclor 1254**	**3.9**	**190 E**
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	86.0%
Tetrachlorometaxylene	77.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-04
DILUTION

Lab Sample ID: LR71H
LIMS ID: 07-20773
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 18:04
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 10.0
Silica Gel: No

Percent Moisture: 36.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	39	< 39 U
53469-21-9	Aroclor 1242	39	< 39 U
12672-29-6	Aroclor 1248	79	< 79 Y
11097-69-1	**Aroclor 1254**	**39**	**180**
11096-82-5	Aroclor 1260	39	< 39 U
11104-28-2	Aroclor 1221	39	< 39 U
11141-16-5	Aroclor 1232	39	< 39 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	107%
Tetrachlorometaxylene	85.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: AN-SS-05
SAMPLE

Lab Sample ID: LR71I
LIMS ID: 07-20774
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 14:39
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 48.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	Aroclor 1254	3.9	< 3.9 U
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery	
Decachlorobiphenyl	94.5%
Tetrachlorometaxylene	88.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: AN-SS-06
SAMPLE

Lab Sample ID: LR71J
LIMS ID: 07-20775
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 14:56
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 22.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	**Aroclor 1254**	**3.9**	**46 E**
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	91.2%
Tetrachlorometaxylene	76.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
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Sample ID: AN-SS-06
DILUTION

Lab Sample ID: LR71J
LIMS ID: 07-20775
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 18:22
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Silica Gel: No

Percent Moisture: 22.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	12	< 12 U
53469-21-9	Aroclor 1242	12	< 12 U
12672-29-6	Aroclor 1248	12	< 12 U
11097-69-1	**Aroclor 1254**	**12**	**45**
11096-82-5	Aroclor 1260	12	< 12 U
11104-28-2	Aroclor 1221	12	< 12 U
11141-16-5	Aroclor 1232	12	< 12 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	95.2%
Tetrachlorometaxylene	88.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: AN-SS-08
SAMPLE

Lab Sample ID: LR71K
LIMS ID: 07-20776
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/18/07 09:53
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 0.61 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 41.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	82	< 82 U
53469-21-9	Aroclor 1242	82	< 82 U
12672-29-6	Aroclor 1248	82	< 82 U
11097-69-1	**Aroclor 1254**	**82**	**100**
11096-82-5	Aroclor 1260	82	< 82 U
11104-28-2	Aroclor 1221	82	< 82 U
11141-16-5	Aroclor 1232	82	< 82 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	98.8%
Tetrachlorometaxylene	76.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: AN-SS-09
SAMPLE

Lab Sample ID: LR71L
LIMS ID: 07-20777
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/18/07 10:10
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 0.71 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 34.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	70	< 70 U
53469-21-9	Aroclor 1242	70	< 70 U
12672-29-6	Aroclor 1248	70	< 70 U
11097-69-1	**Aroclor 1254**	**70**	**99**
11096-82-5	Aroclor 1260	70	< 70 U
11104-28-2	Aroclor 1221	70	< 70 U
11141-16-5	Aroclor 1232	70	< 70 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery	
Decachlorobiphenyl	94.0%
Tetrachlorometaxylene	70.0%

ANALYTICAL RESOURCES INCORPORATED

SW8082/PCB SOLIDS SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Client ID	DCBP % REC	DCBP LCL-UCL	TCMX % REC	TCMX LCL-UCL	TOT OUT
AN-SS-01-070927	106%	32-155	82.0%	33-121	0
AN-SS-02-070927	76.0%	32-155	87.5%	33-121	0
MB-101107	95.8%	54-111	81.5%	37-110	0
LCS-101107	96.0%	54-111	82.5%	37-110	0
AN-SS-03-070928	87.8%	32-155	72.2%	33-121	0
AN-SS-03-070928 MS	99.0%	32-155	80.0%	33-121	0
AN-SS-03-070928 MSD	98.2%	32-155	78.8%	33-121	0
AN-SS-07-070928	102%	32-155	80.0%	33-121	0
AN-SS-10-070928	94.5%	32-155	101%	33-121	0
AN-SS-10-070928 DL	118%	32-155	110%	33-121	0
AN-SS-11-070928	91.2%	32-155	79.8%	33-121	0
AN-SS-11-070928 DL	121%	32-155	85.5%	33-121	0
AN-SS-04	86.0%	32-155	77.0%	33-121	0
AN-SS-04 DL	107%	32-155	85.5%	33-121	0
AN-SS-05	94.5%	32-155	88.5%	33-121	0
AN-SS-06	91.2%	32-155	76.2%	33-121	0
AN-SS-06 DL	95.2%	32-155	88.5%	33-121	0
AN-SS-08	98.8%	32-155	76.2%	33-121	0
AN-SS-09	94.0%	32-155	70.0%	33-121	0

Prep Method: SW3550B
Log Number Range: 07-20766 to 07-20777

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-03-070928
MS/MSD

Lab Sample ID: LR71C
LIMS ID: 07-20768
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted MS/MSD: 10/11/07

Sample Amount MS: 25.4 g-dry-wt
MSD: 25.4 g-dry-wt

Date Analyzed MS: 10/17/07 12:56
MSD: 10/17/07 13:13

Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL

Instrument/Analyst MS: ECD5/PK
MSD: ECD5/PK

Dilution Factor MS: 1.00
MSD: 1.00

GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Silica Gel: No

Percent Moisture: 33.2%

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Aroclor 1016	< 3.9 U	14.7	19.7	74.6%	13.1	19.7	66.5%	11.5%
Aroclor 1260	< 3.9 U	14.9	19.7	75.6%	15.8	19.7	80.2%	5.9%

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

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: AN-SS-03-070928
MATRIX SPIKE

Lab Sample ID: LR71C
LIMS ID: 07-20768
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 12:56
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 33.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	---
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	Aroclor 1254	3.9	< 3.9 U
11096-82-5	Aroclor 1260	3.9	---
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery	
Decachlorobiphenyl	99.0%
Tetrachlorometaxylene	80.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-03-070928
MATRIX SPIKE DUP

Lab Sample ID: LR71C
LIMS ID: 07-20768
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 13:13
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 33.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	---
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	Aroclor 1254	3.9	< 3.9 U
11096-82-5	Aroclor 1260	3.9	---
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery	
Decachlorobiphenyl	98.2%
Tetrachlorometaxylene	78.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: LCS-101107
LAB CONTROL

Lab Sample ID: LCS-101107
LIMS ID: 07-20768
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: NA
Date Received: NA

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 09:30
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.0 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: NA

Analyte	Lab Control	Spike Added	Recovery
Aroclor 1016	14.2	20.0	71.0%
Aroclor 1260	15.8	20.0	79.0%

PCB Surrogate Recovery

Decachlorobiphenyl	96.0%
Tetrachlorometaxylene	82.5%

Results reported in µg/kg (ppb)

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PCB METHOD BLANK SUMMARY

BLANK NO.

LR71MBS1

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No.: LR71 Project: KIMBERLY CLARK ANACO

Lab Sample ID: LR71MBS1 Lab File ID: 1017B003

Date Extracted: 10/11/07 Matrix: SOLID

Date Analyzed: 10/17/07 Instrument ID: ECD5

Time Analyzed: 0913 GC Columns: ZB5/ZB35

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
01	LR71LCSS1	LR71LCSS1	10/17/07
02	AN-SS-01-070927	LR71A	10/17/07
03	AN-SS-02-070927	LR71B	10/17/07
04	AN-SS-03-070928	LR71C	10/17/07
05	AN-SS-03-070928 MS	LR71CMS	10/17/07
06	AN-SS-03-070928 MSD	LR71CMSD	10/17/07
07	AN-SS-07-070928	LR71D	10/17/07
08	AN-SS-10-070928	LR71E	10/17/07
09	AN-SS-11-070928	LR71F	10/17/07
10	AN-SS-04	LR71H	10/17/07
11	AN-SS-05	LR71I	10/17/07
12	AN-SS-06	LR71J	10/17/07
13	AN-SS-10-070928	LR71E	10/17/07
14	AN-SS-11-070928	LR71F	10/17/07
15	AN-SS-04	LR71H	10/17/07
16	AN-SS-06	LR71J	10/17/07
17	AN-SS-08	LR71K	10/18/07
18	AN-SS-09	LR71L	10/18/07

ALL RUNS ARE DUAL COLUMN

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: MB-101107
METHOD BLANK

Lab Sample ID: MB-101107
LIMS ID: 07-20768
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: NA
Date Received: NA

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 09:13
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.0 g
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: NA

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	4.0	< 4.0 U
53469-21-9	Aroclor 1242	4.0	< 4.0 U
12672-29-6	Aroclor 1248	4.0	< 4.0 U
11097-69-1	Aroclor 1254	4.0	< 4.0 U
11096-82-5	Aroclor 1260	4.0	< 4.0 U
11104-28-2	Aroclor 1221	4.0	< 4.0 U
11141-16-5	Aroclor 1232	4.0	< 4.0 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	95.8%
Tetrachlorometaxylene	81.5%

TOTAL METALS

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-01-070927
SAMPLE

Lab Sample ID: LR71A
LIMS ID: 07-20766
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Percent Total Solids: 55.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	9	9	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	9	9	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.9**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.9	**20.1**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**26.2**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**8**	
CLP	10/05/07	7471A	10/09/07	7439-97-6	Mercury	0.07	0.07	U
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	2	**14**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.5	0.5	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	2	**45**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: AN-SS-01-070927
DUPLICATE

Lab Sample ID: LR71A
LIMS ID: 07-20766
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Antimony	6010B	9 U	9 U	0.0%	+/- 9	L
Arsenic	6010B	9 U	9 U	0.0%	+/- 9	L
Cadmium	6010B	0.9	0.8	11.8%	+/- 0.3	L
Chromium	6010B	20.1	19.3	4.1%	+/- 20%	
Copper	6010B	26.2	24.6	6.3%	+/- 20%	
Lead	6010B	8	8	0.0%	+/- 3	L
Mercury	7471A	0.07 U	0.07 U	0.0%	+/- 0.07	L
Nickel	6010B	14	14	0.0%	+/- 20%	
Silver	6010B	0.5 U	0.5 U	0.0%	+/- 0.5	L
Zinc	6010B	45	42	6.9%	+/- 20%	

Reported in mg/kg-dry

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

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: AN-SS-01-070927
MATRIX SPIKE

Lab Sample ID: LR71A
LIMS ID: 07-20766
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

MATRIX SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Spike	Spike Added	% Recovery	Q
Antimony	6010B	9 U	66	340	19.4%	N
Arsenic	6010B	9 U	358	340	105%	
Cadmium	6010B	0.9	81.3	85.0	94.6%	
Chromium	6010B	20.1	103	85.0	97.5%	
Copper	6010B	26.2	118	85.0	108%	
Lead	6010B	8	327	340	93.8%	
Mercury	7471A	0.07 U	0.78	0.716	109%	
Nickel	6010B	14	102	85.0	104%	
Silver	6010B	0.5 U	86.0	85.0	101%	
Zinc	6010B	45	127	85.0	96.5%	

Reported in mg/kg-dry

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

Percent Recovery Limits: 75-125%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-02-070927
SAMPLE

Lab Sample ID: LR71B
LIMS ID: 07-20767
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Percent Total Solids: 50.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	9	9	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	9	9	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.4	**0.9**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.9	**20.2**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.4	**153**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	4	**33**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.07	**0.19**	
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	2	**16**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.6	0.6	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	2	**65**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-03-070928
SAMPLE

Lab Sample ID: LR71C
LIMS ID: 07-20768
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Percent Total Solids: 65.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	7	7	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	7	7	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.4**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.7	**12.1**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**58.2**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**6**	
CLP	10/05/07	7471A	10/09/07	7439-97-6	Mercury	0.07	0.07	U
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	1	**10**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.4	0.4	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	1	**30**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: AN-SS-07-070928
SAMPLE

Lab Sample ID: LR71D
LIMS ID: 07-20769
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Percent Total Solids: 67.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	7	7	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	7	7	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.4**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.7	**14.9**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**69.7**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**15**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.07	**0.14**	
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	1	**13**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.4	0.4	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	1	**35**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: AN-SS-10-070928
SAMPLE

Lab Sample ID: LR71E
LIMS ID: 07-20770
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Percent Total Solids: 69.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	7	7	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	7	7	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.5**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.7	**18.2**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**42.1**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**9**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.06	**0.12**	
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	1	**18**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.4	0.4	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	1	**37**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: AN-SS-11-070928
SAMPLE

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Percent Total Solids: 63.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	8	8	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	8	8	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.5**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.8	**25.5**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**37.6**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**26**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.06	**0.15**	
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	2	**19**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.5	0.5	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	2	**48**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-04
SAMPLE

Lab Sample ID: LR71H
LIMS ID: 07-20773
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Percent Total Solids: 62.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/10/07	7440-36-0	Antimony	20	20	U
3050B	10/05/07	6010B	10/10/07	**7440-38-2**	**Arsenic**	20	**20**	
3050B	10/05/07	6010B	10/10/07	7440-43-9	Cadmium	0.8	0.8	U
3050B	10/05/07	6010B	10/10/07	**7440-47-3**	**Chromium**	2	**42**	
3050B	10/05/07	6010B	10/10/07	**7440-50-8**	**Copper**	0.8	**215**	
3050B	10/05/07	6010B	10/10/07	**7439-92-1**	**Lead**	8	**388**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.06	**0.31**	
3050B	10/05/07	6010B	10/10/07	**7440-02-0**	**Nickel**	4	**46**	
3050B	10/05/07	6010B	10/10/07	7440-22-4	Silver	1	1	U
3050B	10/05/07	6010B	10/10/07	**7440-66-6**	**Zinc**	4	**267**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-05
SAMPLE

Lab Sample ID: LR71I
LIMS ID: 07-20774
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Percent Total Solids: 59.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	8	8	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	8	8	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.5**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.8	**14.0**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**138**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**39**	
CLP	10/05/07	7471A	10/09/07	7439-97-6	Mercury	0.06	0.06	U
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	2	**10**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.5	0.5	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	2	**33**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-06
SAMPLE

Lab Sample ID: LR71J
LIMS ID: 07-20775
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Percent Total Solids: 70.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	7	7	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	7	7	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.3**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.7	**34.2**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**45.7**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**136**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.05	**0.28**	
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	1	**23**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.4	0.4	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	1	**65**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-08
SAMPLE

Lab Sample ID: LR71K
LIMS ID: 07-20776
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Percent Total Solids: 58.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	8	8	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	8	8	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.7**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.8	**40.6**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**106**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**61**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.08	**0.36**	
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	2	**55**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.5	0.5	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	2	**106**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-09
SAMPLE

Lab Sample ID: LR71L
LIMS ID: 07-20777
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Percent Total Solids: 76.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	6	6	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	6	6	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.3**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.6	**34.8**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**58.6**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**117**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.04	**3.24**	
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	1	**38**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.4	0.4	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	1	**122**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: METHOD BLANK

Lab Sample ID: LR71MB
LIMS ID: 07-20767
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: NA
Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	5	5	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	5	5	U
3050B	10/05/07	6010B	10/09/07	7440-43-9	Cadmium	0.2	0.2	U
3050B	10/05/07	6010B	10/09/07	7440-47-3	Chromium	0.5	0.5	U
3050B	10/05/07	6010B	10/09/07	7440-50-8	Copper	0.2	0.2	U
3050B	10/05/07	6010B	10/09/07	7439-92-1	Lead	2	2	U
CLP	10/05/07	7471A	10/09/07	7439-97-6	Mercury	0.05	0.05	U
3050B	10/05/07	6010B	10/09/07	7440-02-0	Nickel	1	1	U
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.3	0.3	U
3050B	10/05/07	6010B	10/09/07	7440-66-6	Zinc	1	1	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: LAB CONTROL

Lab Sample ID: LR71LCS
LIMS ID: 07-20767
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Antimony	6010B	202	200	101%	
Arsenic	6010B	206	200	103%	
Cadmium	6010B	50.0	50.0	100%	
Chromium	6010B	50.0	50.0	100%	
Copper	6010B	51.2	50.0	102%	
Lead	6010B	204	200	102%	
Mercury	7471A	1.05	1.00	105%	
Nickel	6010B	50	50	100%	
Silver	6010B	52.0	50.0	104%	
Zinc	6010B	51	50	102%	

Reported in mg/kg-dry

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

GENERAL CHEMISTRY

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Client ID: AN-SS-01-070927
ARI ID: 07-20766 LR71A

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	61.40
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	1.43

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Client ID: AN-SS-02-070927
ARI ID: 07-20767 LR71B

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	53.80
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	4.84

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Client ID: AN-SS-03-070928
ARI ID: 07-20768 LR71C

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	67.20
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	2.53

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Client ID: AN-SS-07-070928
ARI ID: 07-20769 LR71D

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	70.20
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	1.35

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Client ID: AN-SS-10-070928
ARI ID: 07-20770 LR71E

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	74.90
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	1.07

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Client ID: AN-SS-11-070928
ARI ID: 07-20771 LR71F

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	66.40
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	1.15

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Client ID: AN-SS-REF-070928
ARI ID: 07-20772 LR71G

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	74.20
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	0.951

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Client ID: AN-SS-04
ARI ID: 07-20773 LR71H

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	66.90
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	6.13

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Client ID: AN-SS-05
ARI ID: 07-20774 LR71I

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	61.70
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	2.42

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Client ID: AN-SS-06
ARI ID: 07-20775 LR71J

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	75.70
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	1.40

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Client ID: AN-SS-08
ARI ID: 07-20776 LR71K

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	60.80
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	1.75

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Client ID: AN-SS-09
ARI ID: 07-20777 LR71L

Analyte	Date	Method	Units	RL	Sample
Total Solids	10/02/07 100207#2	EPA 160.3	Percent	0.01	74.70
Total Organic Carbon	10/15/07 101507#1	Plumb,1981	Percent	0.020	3.99

RL Analytical reporting limit
U Undetected at reported detection limit

METHOD BLANK RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	Blank
Total Solids	10/02/07	Percent	< 0.01 U
	10/02/07		< 0.01 U
	10/02/07		< 0.01 U
Total Organic Carbon	10/15/07	Percent	< 0.020 U

LAB CONTROL RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	LCS	Spike Added	Recovery
Total Organic Carbon	10/15/07	Percent	0.528	0.500	105.6%

STANDARD REFERENCE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Date	Units	SRM	True Value	Recovery
Total Organic Carbon NIST #8704	10/15/07	Percent	3.43	3.35	102.4%

REPLICATE RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: LR71G Client ID: AN-SS-REF-070928					
Total Solids	10/02/07	Percent	74.20	74.20 74.30	0.1%
Total Organic Carbon	10/15/07	Percent	0.951	1.02 1.20	12.2%

MS/MSD RESULTS-CONVENTIONALS
LR71-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/16/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Analyte	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: LR71G Client ID: AN-SS-REF-070928						
Total Organic Carbon	10/15/07	Percent	0.951	2.08	0.988	114.3%

GEOTECH

ANALYTICAL RESOURCES INCORPORATED

GEOTECHNICAL ANALYSIS DATA SHEET
Organic Matter by Method ASTM D2974

Data Release Authorized: gb
Reported: 10/16/07
Date Received: 09/29/07
Page 1 of 1

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Client/ ARI ID	Date Sampled	Matrix	Analysis Date	Result
AN-SS-01-070927 LR71A 07-20766	09/27/07	Sediment	10/16/07 19:14	17.02
AN-SS-02-070927 LR71B 07-20767	09/27/07	Sediment	10/16/07 19:14	7.84
AN-SS-03-070928 LR71C 07-20768	09/28/07	Sediment	10/16/07 19:14	3.83
AN-SS-07-070928 LR71D 07-20769	09/28/07	Sediment	10/16/07 19:14	2.54
AN-SS-10-070928 LR71E 07-20770	09/28/07	Sediment	10/16/07 19:14	2.03
AN-SS-11-070928 LR71F 07-20771	09/28/07	Sediment	10/16/07 19:14	9.67
AN-SS-04 LR71H 07-20773	09/28/07	Sediment	10/16/07 19:14	8.97
AN-SS-05 LR71I 07-20774	09/27/07	Sediment	10/16/07 19:14	6.37
AN-SS-06 LR71J 07-20775	09/28/07	Sediment	10/16/07 19:14	16.57
AN-SS-08 LR71K 07-20776	09/27/07	Sediment	10/16/07 19:14	1.41
AN-SS-09 LR71L 07-20777	09/27/07	Sediment	10/16/07 19:14	11.02

Reported in Percent

Organic/Ash Content Burn Temperature 440 C Per ASTM D2974

GEOTECHNICAL ANALYSIS DATA SHEET
Total Solids by Method ASTM D2974

ANALYTICAL RESOURCES INCORPORATED

Data Release Authorized: gs
Reported: 10/16/07
Date Received: 09/29/07
Page 1 of 1

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Client/ ARI ID	Date Sampled	Matrix	Analysis Date	Result
AN-SS-01-070927 LR71A 07-20766	09/27/07	Sediment	10/16/07 19:14	54.79
AN-SS-02-070927 LR71B 07-20767	09/27/07	Sediment	10/16/07 19:14	52.05
AN-SS-03-070928 LR71C 07-20768	09/28/07	Sediment	10/16/07 19:14	67.24
AN-SS-07-070928 LR71D 07-20769	09/28/07	Sediment	10/16/07 19:14	71.34
AN-SS-10-070928 LR71E 07-20770	09/28/07	Sediment	10/16/07 19:14	75.77
AN-SS-11-070928 LR71F 07-20771	09/28/07	Sediment	10/16/07 19:14	62.89
AN-SS-04 LR71H 07-20773	09/28/07	Sediment	10/16/07 19:14	62.59
AN-SS-05 LR71I 07-20774	09/27/07	Sediment	10/16/07 19:14	61.03
AN-SS-06 LR71J 07-20775	09/28/07	Sediment	10/16/07 19:14	59.27
AN-SS-08 LR71K 07-20776	09/27/07	Sediment	10/16/07 19:14	80.57
AN-SS-09 LR71L 07-20777	09/27/07	Sediment	10/16/07 19:14	78.96

GEOTECHNICAL ANALYSIS DATA SHEET
Ash Content by Method ASTM D2974

ANALYTICAL RESOURCES INCORPORATED

Data Release Authorized: gs
Reported: 10/16/07
Date Received: 09/29/07
Page 1 of 1

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Client/ ARI ID	Date Sampled	Matrix	Analysis Date	Result
AN-SS-01-070927 LR71A 07-20766	09/27/07	Sediment	10/16/07 19:14	82.98
AN-SS-02-070927 LR71B 07-20767	09/27/07	Sediment	10/16/07 19:14	92.16
AN-SS-03-070928 LR71C 07-20768	09/28/07	Sediment	10/16/07 19:14	96.17
AN-SS-07-070928 LR71D 07-20769	09/28/07	Sediment	10/16/07 19:14	97.46
AN-SS-10-070928 LR71E 07-20770	09/28/07	Sediment	10/16/07 19:14	97.97
AN-SS-11-070928 LR71F 07-20771	09/28/07	Sediment	10/16/07 19:14	90.33
AN-SS-04 LR71H 07-20773	09/28/07	Sediment	10/16/07 19:14	91.03
AN-SS-05 LR71I 07-20774	09/27/07	Sediment	10/16/07 19:14	93.63
AN-SS-06 LR71J 07-20775	09/28/07	Sediment	10/16/07 19:14	83.43
AN-SS-08 LR71K 07-20776	09/27/07	Sediment	10/16/07 19:14	98.59
AN-SS-09 LR71L 07-20777	09/27/07	Sediment	10/16/07 19:14	88.98

Organic/Ash Content Burn Temperature 440 C Per ASTM D2974

Anchor Environmental, LLC
Kimberly Clark Anacortes

Apparent Grain Size Distribution Summary
Percent Finer Than Indicated Size

Sample No.	Gravel			Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt				Clay	
Phi Size	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Sieve Size (microns)	3/8"	#4	#10 (2000)	#18 (1000)	#35 (500)	#60 (250)	#120 (125)	#230 (62)	31.00	15.60	7.80	3.90	2.00	1.00
AN-SS-REF-070928	100.0	100.0	99.9	99.7	94.4	29.7	11.9	10.3	8.9	6.7	5.1	3.6	2.6	1.7
AN-SS-REF-070928	100.0	100.0	100.0	99.7	94.8	30.1	12.0	10.4	9.0	7.2	5.4	4.3	3.3	2.1
AN-SS-REF-070928	100.0	100.0	99.9	99.6	94.4	29.8	12.0	10.4	9.1	6.6	5.6	4.4	3.2	2.0
AN-SS-01-070927	100.0	83.7	74.2	71.0	68.2	63.3	57.2	31.9	19.2	13.1	9.9	7.7	5.9	4.4
AN-SS-02-070927	100.0	99.4	92.8	88.3	84.1	70.9	31.0	24.5	22.9	17.3	12.2	9.0	6.8	5.0
AN-SS-03-070928	100.0	99.1	95.7	92.9	90.3	71.8	27.1	15.8	8.9	6.3	4.7	3.7	2.9	2.3
AN-SS-07-070928	100.0	96.6	93.1	90.3	84.5	67.0	31.3	11.7	6.1	4.9	3.8	3.0	2.4	1.9
AN-SS-10-070928	100.0	66.3	57.1	51.0	44.0	27.4	15.6	10.8	6.8	4.9	3.7	2.8	2.1	1.5
AN-SS-11-070928	100.0	97.5	93.8	91.5	89.6	71.3	34.2	16.5	8.8	5.8	4.4	3.5	2.8	2.2
AN-SS-04	100.0	75.0	57.6	42.3	23.4	14.2	11.3	9.9	7.9	6.4	4.9	3.6	2.6	1.9
AN-SS-05	100.0	98.1	95.6	94.0	90.5	54.1	11.2	6.9	6.4	5.1	3.9	3.2	2.6	2.1
AN-SS-06	100.0	59.1	49.0	37.0	21.9	6.5	1.8	0.8	NA	NA	NA	NA	NA	NA
AN-SS-08	100.0	99.1	96.3	93.4	88.7	71.0	21.8	7.4	4.6	3.9	3.6	2.5	2.1	1.9
AN-SS-09	100.0	66.4	42.8	32.2	25.1	15.2	2.5	0.0	NA	NA	NA	NA	NA	NA

Notes to the Testing:

1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

LR71

Anchor Environmental, LLC
Kimberly Clark Anacortes

Apparent Grain Size Distribution Summary
Percent Retained in Each Size Fraction

Sample No.	Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Coarse Silt	Medium Silt	Fine Silt	Very Fine Silt	Clay			Total Fines
Phi Size	> -1	-1 to 0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	< 10	<4
Sieve Size (microns)	> #10 (2000)	10 to 18 (2000-1000)	18-35 (1000-500)	35-60 (500-250)	60-120 (250-125)	120-230 (125-62)	62.5-31.0	31.0-15.6	15.6-7.8	7.8-3.9	3.9-2.0	2.0-1.0	<1.0	<230 (<62)
AN-SS-REF-070928	0.1	0.3	5.3	64.7	17.8	1.6	1.4	2.3	1.6	1.5	1.0	0.9	1.7	10.3
AN-SS-REF-070928	0.0	0.2	4.9	64.7	18.1	1.6	1.4	1.8	1.8	1.1	1.1	1.1	2.1	10.4
AN-SS-REF-070928	0.1	0.3	5.2	64.6	17.8	1.6	1.3	2.5	1.0	1.2	1.2	1.1	2.0	10.4
AN-SS-01-070927	25.8	3.2	2.9	4.9	6.1	25.3	12.7	6.1	3.3	2.1	1.8	1.6	4.4	31.9
AN-SS-02-070927	7.2	4.5	4.2	13.2	39.9	6.5	1.5	5.7	5.1	3.2	2.1	1.8	5.0	24.5
AN-SS-03-070928	4.3	2.8	2.7	18.5	44.7	11.3	6.9	2.6	1.6	1.0	0.8	0.7	2.3	15.8
AN-SS-07-070928	6.9	2.8	5.8	17.6	35.7	19.6	5.6	1.2	1.2	0.7	0.6	0.6	1.9	11.7
AN-SS-10-070928	42.9	6.1	7.0	16.6	11.8	4.8	4.0	1.9	1.2	0.8	0.7	0.6	1.5	10.8
AN-SS-11-070928	6.2	2.3	1.9	18.3	37.0	17.8	7.6	3.1	1.4	0.9	0.7	0.6	2.2	16.5
AN-SS-04	42.4	15.3	18.9	9.2	2.9	1.4	2.0	1.5	1.5	1.3	0.9	0.7	1.9	9.9
AN-SS-05	4.4	1.6	3.5	36.4	42.9	4.3	0.5	1.3	1.2	0.7	0.6	0.4	2.1	6.9
AN-SS-06	51.0	12.0	15.0	15.4	4.7	1.0	NA	NA	NA	NA	NA	NA	NA	0.8
AN-SS-08	3.7	2.9	4.8	17.6	49.2	14.3	2.8	0.7	0.3	1.0	0.4	0.2	1.9	7.4
AN-SS-09	57.2	10.6	7.1	9.9	12.7	2.5	NA	NA	NA	NA	NA	NA	NA	0.0

Notes to the Testing:
1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

LR71

QA SUMMARY

PROJECT:	Anchor Environmental, LLC	Project No.:	Kimberly Clark Anacortes
ARI Triplicate Sample ID:	LR71 G	Batch No.:	LR71 -1
Client Triplicate Sample ID:	AN-SS-REF-070928	Page:	1 of 1

Relative Standard Deviation, By Phi Size

Sample ID	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
AN-SS-REF-070928	100.0	100.0	99.9	99.7	94.4	29.7	11.9	10.3	8.9	6.7	5.1	3.6	2.6	1.7
AN-SS-REF-070928	100.0	100.0	100.0	99.7	94.8	30.1	12.0	10.4	9.0	7.2	5.4	4.3	3.3	2.1
AN-SS-REF-070928	100.0	100.0	99.9	99.6	94.4	29.8	12.0	10.4	9.1	6.6	5.6	4.4	3.2	2.0
AVE	NA	99.98	99.94	99.67	94.53	29.86	11.98	10.39	9.02	6.82	5.36	4.10	2.99	1.94
STDEV	NA	0.03	0.03	0.05	0.23	0.22	0.07	0.05	0.08	0.33	0.27	0.42	0.37	0.23
%RSD	NA	0.03	0.03	0.05	0.24	0.74	0.54	0.45	0.93	4.87	5.01	10.20	12.49	12.11

The Triplicate Applies To The Following Samples

Client ID	Date Sampled	Date Extracted	Date Complete	QA Ratio (95-105)	Data Qualifiers	Pipette Portion (5.0-25.0g)
AN-SS-REF-070928	9/28/2007	10/10/2007	10/17/2007	100.0		11.4
AN-SS-REF-070928	9/28/2007	10/10/2007	10/17/2007	100.2		11.5
AN-SS-REF-070928	9/28/2007	10/10/2007	10/17/2007	100.1		11.5
AN-SS-01-070927	9/27/2007	10/10/2007	10/17/2007	101.3		13.7
AN-SS-02-070927	9/27/2007	10/10/2007	10/17/2007	99.1		9.3
AN-SS-03-070928	9/28/2007	10/10/2007	10/17/2007	103.5		12.6
AN-SS-07-070928	9/28/2007	10/10/2007	10/17/2007	104.4		11.7
AN-SS-10-070928	9/28/2007	10/10/2007	10/17/2007	102.3		13.1
AN-SS-11-070928	9/28/2007	10/10/2007	10/17/2007	101.2		16.0
AN-SS-04	9/28/2007	10/10/2007	10/17/2007	100.7		10.0
AN-SS-05	9/27/2007	10/10/2007	10/17/2007	99.0	SS	4.8
AN-SS-06	9/28/2007	10/10/2007	10/17/2007	97.1	SS	1.0
AN-SS-08	9/27/2007	10/10/2007	10/17/2007	100.8		6.6
AN-SS-09	9/27/2007	10/10/2007	10/17/2007	97.6	SS, W, SM	0.0

* ARI Internal QA limits = 95-105%

Notes to the Testing:

1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

TOTAL SOLIDS

Extractions Total Solids-extts
Data By: Stacey Arlene LaPointe
Created: 10/ 4/07

Worklist: 453
Analyst: HMQ
Comments:

	ARI ID / CLIENT ID	Tare Wt (g)	Wet Wt (g)	Dry Wt (g)	% Solids	pH
1.	LR71A 07-20766 AN-SS-01-070927	1.08	12.54	6.64	48.5	7.5
2.	LR71B 07-20767 AN-SS-02-070927	1.10	12.44	6.74	49.7	7.5
3.	LR71C 07-20768 AN-SS-03-070928	1.10	12.06	8.42	66.8	7.6
4.	LR71D 07-20769 AN-SS-07-070928	1.08	11.04	8.18	71.3	8.0
5.	LR71E 07-20770 AN-SS-10-070928	1.10	12.22	9.70	77.3	7.9
6.	LR71F 07-20771 AN-SS-11-070928	1.10	11.44	8.04	67.1	7.5
7.	LR71H 07-20773 AN-SS-04	1.08	11.02	7.38	63.4	7.5
8.	LR71I 07-20774 AN-SS-05	1.10	11.04	6.24	51.7	7.4
9.	LR71J 07-20775 AN-SS-06	1.12	11.00	8.82	77.9	7.8
10.	LR71K 07-20776 AN-SS-08	1.12	12.48	7.80	58.8	7.7
11.	LR71L 07-20777 AN-SS-09	1.12	11.62	8.04	65.9	6.8

Solids Data Entry Report Checked by: EJR Date: 10/05/07
Date: 10/05/07 Data Analyst: DM

Solids Determination performed on 10/04/07 by DM

JOB	SAMPLE	CLIENTID	TAREWEIGHT	SAMPDISH	DRYWEIGHT	SOLIDS
LR71	A	AN-SS-01-070927	0.997	10.888	6.519	55.83
LR71	B	AN-SS-02-070927	1.027	10.241	5.691	50.62
LR71	C	AN-SS-03-070928	1.016	10.471	7.250	65.93
LR71	D	AN-SS-07-070928	1.013	10.380	7.365	67.81
LR71	E	AN-SS-10-070928	1.003	10.997	7.897	68.98
LR71	F	AN-SS-11-070928	1.012	10.526	7.064	63.61
LR71	H	AN-SS-04	1.047	10.502	6.992	62.88
LR71	I	AN-SS-05	1.013	10.337	6.598	59.90
LR71	J	AN-SS-06	1.030	10.136	7.459	70.60
LR71	K	AN-SS-08	1.018	10.628	6.659	58.70
LR71	L	AN-SS-09	1.037	10.304	8.153	76.79

Laboratory Data Package

prepared
for

ANCHOR ENVIRONMENTAL

Project : KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

Semivolatile Organics
QC Summary Data

prepared
for

ANCHOR ENVIRONMENTAL

Project : KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES SOIL/SEDIMENT SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Client ID	NBZ	FBP	TPH	DCB	PHL	2FP	TBP	2CP	TOT OUT
AN-SS-01-070927	53.6%	55.2%	71.6%	47.6%	60.3%	68.8%	74.4%	58.7%	0
AN-SS-01-070927 RE	52.0%	53.6%	56.0%	48.4%	55.7%	44.3%	56.5%	54.4%	0
AN-SS-02-070927	48.8%	49.2%	64.0%	44.8%	54.9%	63.2%	63.7%	54.4%	0
AN-SS-02-070927 RE	57.6%	57.6%	42.4%	51.2%	60.0%	47.5%	66.1%	59.5%	0
AN-SS-03-070928	48.8%	50.8%	63.6%	42.8%	52.0%	64.8%	65.9%	52.0%	0
AN-SS-03-070928 RE	54.4%	56.0%	53.6%	51.2%	57.6%	45.6%	57.6%	56.0%	0
AN-SS-07-070928	51.6%	53.2%	64.0%	46.4%	54.4%	64.5%	66.7%	54.7%	0
AN-SS-07-070928 RE	56.0%	59.2%	59.2%	50.4%	60.0%	46.4%	61.1%	57.1%	0
MB-101007	44.4%	39.4%*	64.0%	38.2%	49.1%	57.1%	52.0%	46.9%	1
LCS-101007	42.4%	39.4%*	57.2%	38.3%	48.5%	55.2%	54.7%	45.9%	1
AN-SS-10-070928	42.8%	46.8%	50.8%	38.4%	44.5%	55.2%	52.0%	43.7%	0
AN-SS-10-070928 MS	57.6%	56.8%	78.8%	56.8%	66.4%	75.7%	77.6%	64.3%	0
AN-SS-10-070928 MSD	52.8%	52.4%	64.8%	50.4%	55.7%	61.9%	63.5%	54.9%	0
AN-SS-11-070928	46.4%	46.8%	55.6%	42.0%	47.7%	56.3%	60.0%	48.3%	0
AN-SS-11-070928 DL	51.0%	50.0%	57.5%	44.5%	46.2%	54.6%	48.2%	49.9%	0
AN-SS-11-070928 RE	60.4%	64.0%	60.8%	56.8%	62.7%	49.1%	65.6%	61.1%	0
AN-SS-04	56.4%	57.2%	56.4%	47.6%	52.8%	63.5%	63.2%	55.2%	0
AN-SS-04 RE	56.4%	58.4%	54.4%	52.0%	56.3%	46.4%	59.2%	55.7%	0
AN-SS-05	50.4%	48.8%	68.4%	45.2%	52.3%	62.9%	63.2%	53.9%	0
AN-SS-05 RE	57.2%	56.8%	63.2%	51.2%	56.5%	45.1%	71.5%	55.5%	0
AN-SS-06	54.0%	57.6%	60.4%	48.0%	51.7%	64.3%	60.0%	54.1%	0
AN-SS-06 RE	55.6%	59.6%	54.8%	52.8%	56.3%	46.4%	61.6%	55.7%	0
AN-SS-08	55.2%	53.6%	71.2%	46.4%	56.3%	67.7%	72.5%	57.3%	0
AN-SS-08 RE	60.8%	63.2%	105%*	59.2%	65.3%	51.7%	71.5%	63.7%	1
AN-SS-09	50.0%	49.6%	60.4%	45.2%	53.1%	60.8%	65.1%	53.9%	0
AN-SS-09 RE	58.8%	59.2%	59.6%	54.0%	57.1%	42.4%	60.5%	57.3%	0
MB-102707	73.2%	72.4%	83.2%	68.8%	74.4%	62.9%	72.5%	73.1%	0
LCS-102707	60.4%	60.4%	72.4%	56.0%	64.3%	53.3%	65.1%	62.7%	0
LCSD-102707	58.0%	58.4%	69.6%	53.2%	61.9%	49.9%	64.3%	61.1%	0
AN-SS-10-070928	33.0%	33.2%*	34.0%	30.2%	32.3%	27.2%	34.1%	32.8%	1
AN-SS-10-070928 MS	56.4%	58.8%	58.4%	52.8%	60.5%	46.9%	58.9%	59.2%	0
AN-SS-10-070928 MSD	60.8%	63.2%	61.6%	58.0%	64.0%	49.6%	63.2%	63.2%	0

	LCS/MB LIMITS	QC LIMITS
(NBZ) = d5-Nitrobenzene	(42-79)	(26-88)
(FBP) = 2-Fluorobiphenyl	(43-80)	(34-91)
(TPH) = d14-p-Terphenyl	(39-105)	(22-100)
(DCB) = d4-1,2-Dichlorobenzene	(38-79)	(24-90)
(PHL) = d5-Phenol	(42-82)	(25-86)
(2FP) = 2-Fluorophenol	(26-83)	(11-84)
(TBP) = 2,4,6-Tribromophenol	(41-94)	(25-107)
(2CP) = d4-2-Chlorophenol	(43-80)	(23-91)

Prep Method: SW3550B
Log Number Range: 07-20766 to 07-23292

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-10-070928**
Page 1 of 1 **MS/MSD**

Lab Sample ID: LR71E
LIMS ID: 07-20770
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted MS/MSD: 10/10/07

Sample Amount MS: 50.3 g-dry-wt
MSD: 50.3 g-dry-wt

Date Analyzed MS: 10/18/07 17:29
MSD: 10/18/07 18:03

Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL

Instrument/Analyst MS: NT6/LJR
MSD: NT6/LJR

Dilution Factor MS: 1.00
MSD: 1.00

GPC Cleanup: YES

Percent Moisture: 22.7 %

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Phenol	31.0	339	497	62.0%	285	497	51.1%	17.3%
1,3-Dichlorobenzene	< 19.9	264	497	53.1%	247	497	49.7%	6.7%
1,4-Dichlorobenzene	< 19.9	253	497	50.9%	242	497	48.7%	4.4%
Benzyl Alcohol	< 19.9	759	994	76.4%	611	994	61.5%	21.6%
1,2-Dichlorobenzene	< 19.9	268	497	53.9%	243	497	48.9%	9.8%
2-Methylphenol	< 19.9	343	497	69.0%	285	497	57.3%	18.5%
4-Methylphenol	< 19.9	761	994	76.6%	607	994	61.1%	22.5%
Hexachloroethane	< 19.9	246	497	49.5%	231	497	46.5%	6.3%
2,4-Dimethylphenol	< 19.9	295	497	59.4%	252	497	50.7%	15.7%
Benzoic Acid	< 199	684	1490	45.9%	309	1490	20.7%	75.5%
1,2,4-Trichlorobenzene	< 10.0	267	497	53.7%	245	497	49.3%	8.6%
Naphthalene	< 19.9	289	497	58.1%	260	497	52.3%	10.6%
Hexachlorobutadiene	< 19.9	252	497	50.7%	238	497	47.9%	5.7%
2-Methylnaphthalene	< 19.9	325	497	65.4%	281	497	56.5%	14.5%
Dimethylphthalate	< 19.9	331	497	66.6%	291	497	58.6%	12.9%
Acenaphthylene	< 19.9	296	497	59.6%	256	497	51.5%	14.5%
Acenaphthene	< 19.9	298	497	60.0%	261	497	52.5%	13.2%
Dibenzofuran	< 19.9	328	497	66.0%	283	497	56.9%	14.7%
Diethylphthalate	< 19.9	349	497	70.2%	300	497	60.4%	15.1%
Fluorene	< 19.9	322	497	64.8%	275	497	55.3%	15.7%
N-Nitrosodiphenylamine	< 19.9	361	497	72.6%	295	497	59.4%	20.1%
Hexachlorobenzene	< 10.0	299	497	60.2%	255	497	51.3%	15.9%
Pentachlorophenol	< 99.4	283	497	56.9%	191	497	38.4%	38.8%
Phenanthrene	< 19.9	355	497	71.4%	298	497	60.0%	17.5%
Anthracene	< 19.9	286	497	57.5%	233	497	46.9%	20.4%
Di-n-Butylphthalate	< 19.9	375	497	75.5%	318	497	64.0%	16.5%
Fluoranthene	33.8	418	497	77.3%	385	497	70.7%	8.2%
Pyrene	23.7	408	497	77.3%	354	497	66.5%	14.2%
Butylbenzylphthalate	< 19.9	353	497	71.0%	301	497	60.6%	15.9%
Benzo(a)anthracene	< 19.9	313	497	63.0%	268	497	53.9%	15.5%
bis(2-Ethylhexyl)phthalate	28.6	395	497	73.7%	328	497	60.2%	18.5%
Chrysene	< 19.9	342	497	68.8%	293	497	59.0%	15.4%
Di-n-Octyl phthalate	< 19.9	344	497	69.2%	296	497	59.6%	15.0%
Benzo(b)fluoranthene	< 19.9	374	497	75.3%	347	497	69.8%	7.5%
Benzo(k)fluoranthene	< 19.9	407	497	81.9%	349	497	70.2%	15.3%
Benzo(a)pyrene	< 19.9	349	497	70.2%	297	497	59.8%	16.1%
Indeno(1,2,3-cd)pyrene	< 19.9	207	497	41.6%	165	497	33.2%	22.6%
Dibenz(a,h)anthracene	< 19.9	221	497	44.5%	181	497	36.4%	19.9%
Benzo(g,h,i)perylene	< 19.9	125	497	25.2%	95.3	497	19.2%	27.0%
1-Methylnaphthalene	< 19.9	326	497	65.6%	283	497	56.9%	14.1%

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: AN-SS-10-070928**
Page 1 of 1 **MS/MSD**

Lab Sample ID: LR71E
LIMS ID: 07-23292
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted MS/MSD: 10/27/07

Sample Amount MS: 50.8 g-dry-wt
MSD: 50.9 g-dry-wt

Date Analyzed MS: 11/01/07 19:16
MSD: 11/01/07 19:47

Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL

Instrument/Analyst MS: NT4/LJR
MSD: NT4/LJR

Dilution Factor MS: 1.00
MSD: 1.00

GPC Cleanup: YES

Percent Moisture: 22.7 %

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Phenol	73.6	473	492	81.2%	483	491	83.4%	2.1%
1,3-Dichlorobenzene	< 19.7	263	492	53.5%	283	491	57.6%	7.3%
1,4-Dichlorobenzene	< 19.7	268	492	54.5%	283	491	57.6%	5.4%
Benzyl Alcohol	< 19.7	617	984	62.7%	650	983	66.1%	5.2%
1,2-Dichlorobenzene	< 19.7	276	492	56.1%	293	491	59.7%	6.0%
2-Methylphenol	< 19.7	322	492	65.4%	344	491	70.1%	6.6%
4-Methylphenol	24.5	709	984	69.6%	730	983	71.8%	2.9%
Hexachloroethane	< 19.7	231	492	47.0%	246	491	50.1%	6.3%
2,4-Dimethylphenol	< 19.7	290	492	58.9%	307	491	62.5%	5.7%
Benzoic Acid	< 197	892	1480	60.3%	977	1470	66.5%	9.1%
1,2,4-Trichlorobenzene	< 19.7	270	492	54.9%	291	491	59.3%	7.5%
Naphthalene	< 19.7	304	492	61.8%	320	491	65.2%	5.1%
Hexachlorobutadiene	< 19.7	264	492	53.7%	282	491	57.4%	6.6%
2-Methylnaphthalene	< 19.7	308	492	62.6%	327	491	66.6%	6.0%
Dimethylphthalate	< 19.7	277	492	56.3%	299	491	60.9%	7.6%
Acenaphthylene	< 19.7	304	492	61.8%	308	491	62.7%	1.3%
Acenaphthene	< 19.7	281	492	57.1%	301	491	61.3%	6.9%
Dibenzofuran	< 19.7	306	492	62.2%	327	491	66.6%	6.6%
Diethylphthalate	< 19.7	306	492	62.2%	314	491	64.0%	2.6%
Fluorene	< 19.7	298	492	60.6%	317	491	64.6%	6.2%
N-Nitrosodiphenylamine	< 19.7	426	492	86.6%	447	491	91.0%	4.8%
Hexachlorobenzene	< 19.7	322	492	65.4%	336	491	68.4%	4.3%
Pentachlorophenol	< 98.7	348	492	70.7%	383	491	78.0%	9.6%
Phenanthrene	27.4	390	492	73.7%	394	491	74.7%	1.0%
Anthracene	< 19.7	326	492	66.3%	329	491	67.0%	0.9%
Di-n-Butylphthalate	< 19.7	347	492	70.5%	384	491	78.2%	10.1%
Fluoranthene	40.9	419	492	76.8%	426	491	78.4%	1.7%
Pyrene	30.8	369	492	68.7%	364	491	67.9%	1.4%
Butylbenzylphthalate	< 19.7	329	492	66.9%	348	491	70.9%	5.6%
Benzo(a)anthracene	< 19.7	346	492	70.3%	343	491	69.9%	0.9%
bis(2-Ethylhexyl)phthalate	19.9	423 B	492	81.9%	395 B	491	76.4%	6.8%
Chrysene	< 19.7	355	492	72.2%	354	491	72.1%	0.3%
Di-n-Octyl phthalate	< 19.7	354	492	72.0%	376	491	76.6%	6.0%
Benzo(b)fluoranthene	< 19.7	366	492	74.4%	370	491	75.4%	1.1%
Benzo(k)fluoranthene	< 19.7	330	492	67.1%	351	491	71.5%	6.2%
Benzo(a)pyrene	< 19.7	322	492	65.4%	331	491	67.4%	2.8%
Indeno(1,2,3-cd)pyrene	< 19.7	334	492	67.9%	337	491	68.6%	0.9%
Dibenz(a,h)anthracene	< 19.7	359	492	73.0%	363	491	73.9%	1.1%
Benzo(g,h,i)perylene	< 19.7	214	492	43.5%	212	491	43.2%	0.9%
1-Methylnaphthalene	< 19.7	305	492	62.0%	330	491	67.2%	7.9%

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-101007**
 LAB CONTROL

Lab Sample ID: LCS-101007 QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20770 Project: Kimberly Clark Anacortes
Matrix: Sediment
Data Release Authorized: Date Sampled: 09/28/07
Reported: 01/25/08 Date Received: 09/29/07

Date Extracted: 10/10/07 Sample Amount: 50.0 g
Date Analyzed: 10/18/07 11:15 Final Extract Volume: 1.0 mL
Instrument/Analyst: NT6/LJR Dilution Factor: 1.00
GPC Cleanup: YES Percent Moisture: NA

Analyte	Lab Control	Spike Added	Recovery
Phenol	232	500	46.4%
1,3-Dichlorobenzene	206	500	41.2%
1,4-Dichlorobenzene	204	500	40.8%
Benzyl Alcohol	473	1000	47.3%
1,2-Dichlorobenzene	211	500	42.2%
2-Methylphenol	246	500	49.2%
4-Methylphenol	514	1000	51.4%
Hexachloroethane	199	500	39.8%
2,4-Dimethylphenol	137	500	27.4%
Benzoic Acid	828	1500	55.2%
1,2,4-Trichlorobenzene	200	500	40.0%
Naphthalene	213	500	42.6%
Hexachlorobutadiene	195	500	39.0%
2-Methylnaphthalene	234	500	46.8%
Dimethylphthalate	259	500	51.8%
Acenaphthylene	217	500	43.4%
Acenaphthene	220	500	44.0%
Dibenzofuran	241	500	48.2%
Diethylphthalate	269	500	53.8%
Fluorene	234	500	46.8%
N-Nitrosodiphenylamine	269	500	53.8%
Hexachlorobenzene	222	500	44.4%
Pentachlorophenol	238	500	47.6%
Phenanthrene	245	500	49.0%
Anthracene	219	500	43.8%
Di-n-Butylphthalate	280	500	56.0%
Fluoranthene	261	500	52.2%
Pyrene	266	500	53.2%
Butylbenzylphthalate	273	500	54.6%
Benzo(a)anthracene	233	500	46.6%
bis(2-Ethylhexyl)phthalate	283	500	56.6%
Chrysene	248	500	49.6%
Di-n-Octyl phthalate	271	500	54.2%
Benzo(b)fluoranthene	281	500	56.2%
Benzo(k)fluoranthene	294	500	58.8%
Benzo(a)pyrene	244	500	48.8%
Indeno(1,2,3-cd)pyrene	252	500	50.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: LCS-101007**
 LAB CONTROL

Lab Sample ID: LCS-101007 QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20770 Project: Kimberly Clark Anacortes
Matrix: Sediment
Date Analyzed: 10/18/07 11:15

Analyte	Lab Control	Spike Added	Recovery
Dibenz(a,h)anthracene	256	500	51.2%
Benzo(g,h,i)perylene	158	500	31.6%
1-Methylnaphthalene	235	500	47.0%

Semivolatile Surrogate Recovery	
d5-Nitrobenzene	42.4%
2-Fluorobiphenyl	39.4%
d14-p-Terphenyl	57.2%
d4-1,2-Dichlorobenzene	38.3%
d5-Phenol	48.5%
2-Fluorophenol	55.2%
2,4,6-Tribromophenol	54.7%
d4-2-Chlorophenol	45.9%

Results reported in µg/kg

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: LCS-102707**
Page 1 of 2 **LCS/LCSD**

Lab Sample ID: LCS-102707 QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-23292 Project: Kimberly Clark Anacortes
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08 Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted LCS/LCSD: 10/27/07 Sample Amount LCS: 50.0 g
LCSD: 50.0 g
Date Analyzed LCS: 11/01/07 15:37 Final Extract Volume LCS: 1.0 mL
LCSD: 11/01/07 16:08 LCSD: 1.0 mL
Instrument/Analyst LCS: NT4/LJR Dilution Factor LCS: 1.00
LCSD: NT4/LJR LCSD: 1.00
GPC Cleanup: YES Percent Moisture: NA

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Phenol	359	500	71.8%	344	500	68.8%	4.3%
1,3-Dichlorobenzene	291	500	58.2%	282	500	56.4%	3.1%
1,4-Dichlorobenzene	293	500	58.6%	285	500	57.0%	2.8%
Benzyl Alcohol	665	1000	66.5%	625	1000	62.5%	6.2%
1,2-Dichlorobenzene	302	500	60.4%	292	500	58.4%	3.4%
2-Methylphenol	325	500	65.0%	320	500	64.0%	1.6%
4-Methylphenol	722	1000	72.2%	697	1000	69.7%	3.5%
Hexachloroethane	296	500	59.2%	285	500	57.0%	3.8%
2,4-Dimethylphenol	256	500	51.2%	249	500	49.8%	2.8%
Benzoic Acid	1080	1500	72.0%	1040	1500	69.3%	3.8%
1,2,4-Trichlorobenzene	295	500	59.0%	282	500	56.4%	4.5%
Naphthalene	314	500	62.8%	300	500	60.0%	4.6%
Hexachlorobutadiene	284	500	56.8%	276	500	55.2%	2.9%
2-Methylnaphthalene	324	500	64.8%	306	500	61.2%	5.7%
Dimethylphthalate	339	500	67.8%	321	500	64.2%	5.5%
Acenaphthylene	343	500	68.6%	320	500	64.0%	6.9%
Acenaphthene	312	500	62.4%	299	500	59.8%	4.3%
Dibenzofuran	340	500	68.0%	325	500	65.0%	4.5%
Diethylphthalate	343	500	68.6%	325	500	65.0%	5.4%
Fluorene	336	500	67.2%	318	500	63.6%	5.5%
N-Nitrosodiphenylamine	469	500	93.8%	447	500	89.4%	4.8%
Hexachlorobenzene	326	500	65.2%	317	500	63.4%	2.8%
Pentachlorophenol	362	500	72.4%	339	500	67.8%	6.6%
Phenanthrene	354	500	70.8%	336	500	67.2%	5.2%
Anthracene	334	500	66.8%	323	500	64.6%	3.3%
Di-n-Butylphthalate	363	500	72.6%	349	500	69.8%	3.9%
Fluoranthene	335	500	67.0%	327	500	65.4%	2.4%
Pyrene	387	500	77.4%	368	500	73.6%	5.0%
Butylbenzylphthalate	401	500	80.2%	382	500	76.4%	4.9%
Benzo(a)anthracene	352	500	70.4%	337	500	67.4%	4.4%
bis(2-Ethylhexyl)phthalate	407	500	81.4%	392	500	78.4%	3.8%
Chrysene	358	500	71.6%	343	500	68.6%	4.3%
Di-n-Octyl phthalate	383	500	76.6%	361	500	72.2%	5.9%
Benzo(b)fluoranthene	388	500	77.6%	357	500	71.4%	8.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: LCSD-102707**
 LCS/LCSD

Lab Sample ID: LCS-102707 QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-23292 Project: Kimberly Clark Anacortes
Matrix: Sediment
Date Analyzed LCS: 11/01/07 15:37
LCSD: 11/01/07 16:08

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Benzo(k)fluoranthene	343	500	68.6%	347	500	69.4%	1.2%
Benzo(a)pyrene	357	500	71.4%	349	500	69.8%	2.3%
Indeno(1,2,3-cd)pyrene	422	500	84.4%	344	500	68.8%	20.4%
Dibenz(a,h)anthracene	437	500	87.4%	417	500	83.4%	4.7%
Benzo(g,h,i)perylene	278	500	55.6%	267	500	53.4%	4.0%
1-Methylnaphthalene	321	500	64.2%	306	500	61.2%	4.8%

Semivolatile Surrogate Recovery

	LCS	LCSD
d5-Nitrobenzene	60.4%	58.0%
2-Fluorobiphenyl	60.4%	58.4%
d14-p-Terphenyl	72.4%	69.6%
d4-1,2-Dichlorobenzene	56.0%	53.2%
d5-Phenol	64.3%	61.9%
2-Fluorophenol	53.3%	49.9%
2,4,6-Tribromophenol	65.1%	64.3%
d4-2-Chlorophenol	62.7%	61.1%

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

LR71MBS1

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: LR71 Project: KIMBERLY CLARK ANACO

Lab File ID: LR71MB Date Extracted: 10/10/07

Instrument ID: NT6 Date Analyzed: 10/18/07

Matrix: SOLID Time Analyzed: 1042

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LR71LCSS1	LR71LCSS1	LR71SB	10/18/07
02	AN-SS-01-070927	LR71A	LR71A	10/18/07
03	AN-SS-02-070927	LR71B	LR71B	10/18/07
04	AN-SS-03-070928	LR71C	LR71C	10/18/07
05	AN-SS-07-070928	LR71D	LR71D	10/18/07
06	AN-SS-10-070928	LR71E	LR71E	10/18/07
07	AN-SS-10-070928	LR71EMS	LR71EMS	10/18/07
08	AN-SS-10-070928	LR71EMSD	LR71EMD	10/18/07
09	AN-SS-11-070928	LR71F	LR71F	10/18/07
10	AN-SS-04	LR71H	LR71H	10/18/07
11	AN-SS-05	LR71I	LR71I	10/18/07
12	AN-SS-06	LR71J	LR71J	10/18/07
13	AN-SS-08	LR71K	LR71K	10/18/07
14	AN-SS-09	LR71L	LR71L	10/18/07
15	AN-SS-11-070928	LR71F	LR71FDL	10/19/07
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COMMENTS:

FORM IV SV

4B

SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

LR71MBS2

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: LR71 Project: KIMBERLY CLARK ANACO

Lab File ID: LU10MB Date Extracted: 10/27/07

Instrument ID: NT4 Date Analyzed: 11/01/07

Matrix: SOLID Time Analyzed: 1506

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LR71LCSS2	LR71LCSS2	LU10SB	11/01/07
02	LR71LCSDS2	LR71LCSDS2	LU10SBD	11/01/07
03	AN-SS-01-070927	LR71ARE	LR71A2	11/01/07
04	AN-SS-02-070927	LR71BRE	LR71B2	11/01/07
05	AN-SS-03-070928	LR71CRE	LR71C2	11/01/07
06	AN-SS-07-070928	LR71DRE	LR71D2	11/01/07
07	AN-SS-10-070928	LR71ERE	LR71E2	11/01/07
08	AN-SS-10-070928	LR71EMSRE	LR71EMS2	11/01/07
09	AN-SS-10-070928	LR71EMSDRE	LR71EMD2	11/01/07
10	AN-SS-11-070928	LR71FRE	LR71F2	11/01/07
11	AN-SS-04	LR71HRE	LR71H2	11/01/07
12	AN-SS-05	LR71IRE	LR71I2	11/01/07
13	AN-SS-06	LR71JRE	LR71J2	11/01/07
14	AN-SS-08	LR71KRE	LR71K2	11/01/07
15	AN-SS-09	LR71LRE	LR71L2	11/01/07
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COMMENTS:

FORM IV SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: RIDOLFI, INC.

Instrument ID: NT4 Project: MAKAH NALEMP

DFTPP Injection Date: 10/01/07 DFTPP Injection Time: 1031

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	51.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	60.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	59.7
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	6.3
275	10.0 - 30.0% of mass 198	22.6
365	Greater than 0.75% of mass 198	2.91
441	Present, but less than mass 443	10.1
442	40.0 - 110.0% of mass 198	69.6
443	15.0 - 24.0% of mass 442	12.7 (18.2)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ABN 25	ABN 25	0251001	10/01/07	1031
02	ABN 80	ABN 80	0801001	10/01/07	1104
03	ABN 1	ABN 1	0011001	10/01/07	1138
04	ABN 40	ABN 40	0401001	10/01/07	1212
05	ABN 5	ABN 5	0051001	10/01/07	1246
06	ABN 10	ABN 10	0101001	10/01/07	1320
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

Instrument ID: NT6 Project: KIMBERLY CLARK ANACO

DFTPP Injection Date: 10/01/07 DFTPP Injection Time: 1054

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	47.2
68	Less than 2.0% of mass 69	0.5 (0.8)1
69	Mass 69 relative abundance	67.4
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	25.0 - 75.0% of mass 198	51.1
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	6.8
275	10.0 - 30.0% of mass 198	22.1
365	Greater than 0.75% of mass 198	3.35
441	Present, but less than mass 443	9.6
442	40.0 - 110.0% of mass 198	61.1
443	15.0 - 24.0% of mass 442	12.0 (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 25	ABN 25	0251001	10/01/07	1054
02	ABN 80	ABN 80	0801001	10/01/07	1128
03	ABN 1	ABN 1	0011001	10/01/07	1203
04	ABN 40	ABN 40	0401001	10/01/07	1238
05	ABN 5	ABN 5	0051001	10/01/07	1312
06	ABN 10	ABN 10	0101001	10/01/07	1347
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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: KIMBERLY CLARK ANACO

DFTPP Injection Date: 10/18/07 DFTPP Injection Time: 1007

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	47.7
68	Less than 2.0% of mass 69	0.4 (0.6)1
69	Mass 69 relative abundance	67.6
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	50.5
197	Less than 1.0% of mass 198	0.3
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	23.9
365	Greater than 0.75% of mass 198	3.02
441	Present, but less than mass 443	9.6
442	40.0 - 110.0% of mass 198	65.5
443	15.0 - 24.0% of mass 442	12.7 (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 CCAL	ABN 25	CC1018	10/18/07	1007
02	LR71MBS1	LR71MBS1	LR71MB	10/18/07	1042
03	LR71LCSS1	LR71LCSS1	LR71SB	10/18/07	1115
04	AN-SS-01-070927	LR71A	LR71A	10/18/07	1439
05	AN-SS-02-070927	LR71B	LR71B	10/18/07	1513
06	AN-SS-03-070928	LR71C	LR71C	10/18/07	1547
07	AN-SS-07-070928	LR71D	LR71D	10/18/07	1621
08	AN-SS-10-070928	LR71E	LR71E	10/18/07	1655
09	AN-SS-10-070928	LR71EMS	LR71EMS	10/18/07	1729
10	AN-SS-10-070928	LR71EMSD	LR71EMD	10/18/07	1803
11	AN-SS-11-070928	LR71F	LR71F	10/18/07	1836
12	AN-SS-04	LR71H	LR71H	10/18/07	1910
13	AN-SS-05	LR71I	LR71I	10/18/07	1944
14	AN-SS-06	LR71J	LR71J	10/18/07	2018
15	AN-SS-08	LR71K	LR71K	10/18/07	2051
16	AN-SS-09	LR71L	LR71L	10/18/07	2125
17					
18					
19					
20					
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22					

FORM V SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

Instrument ID: NT6 Project: KIMBERLY CLARK ANACO

DFTPP Injection Date: 10/19/07 DFTPP Injection Time: 0925

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	47.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	66.8
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	54.0
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	7.4
275	10.0 - 30.0% of mass 198	23.4
365	Greater than 0.75% of mass 198	2.83
441	Present, but less than mass 443	9.3
442	40.0 - 110.0% of mass 198	63.8
443	15.0 - 24.0% of mass 442	12.3 (19.2)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ABN CCAL	ABN 25	CC1019	10/19/07	0925
02	AN-SS-11-070928	LR71F	LR71FDL	10/19/07	1751
03					
04					
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FORM V SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: RIDOLFI, INC.

Instrument ID: NT4 Project: MAKAH NALEMP

DFTPP Injection Date: 11/01/07 DFTPP Injection Time: 1435

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	54.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	62.6
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	60.6
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	20.7
365	Greater than 0.75% of mass 198	4.13
441	Present, but less than mass 443	9.4
442	40.0 - 110.0% of mass 198	67.0
443	15.0 - 24.0% of mass 442	13.3 (19.8)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	CC1101	11/01/07	1435
02	LR71MBS2	LR71MBS2	LU10MB	11/01/07	1506
03	LR71LCSS2	LR71LCSS2	LU10SB	11/01/07	1537
04	LR71LCSDS2	LR71LCSDS2	LU10SBD	11/01/07	1608
05	AN-SS-01-070927	LR71ARE	LR71A2	11/01/07	1639
06	AN-SS-02-070927	LR71BRE	LR71B2	11/01/07	1711
07	AN-SS-03-070928	LR71CRE	LR71C2	11/01/07	1742
08	AN-SS-07-070928	LR71DRE	LR71D2	11/01/07	1813
09	AN-SS-10-070928	LR71ERE	LR71E2	11/01/07	1845
10	AN-SS-10-070928	LR71EMSRE	LR71EMS2	11/01/07	1916
11	AN-SS-10-070928	LR71EMSDRE	LR71EMD2	11/01/07	1947
12	AN-SS-11-070928	LR71FRE	LR71F2	11/01/07	2018
13	AN-SS-04	LR71HRE	LR71H2	11/01/07	2050
14	AN-SS-05	LR71IRE	LR71I2	11/01/07	2121
15	AN-SS-06	LR71JRE	LR71J2	11/01/07	2152
16	AN-SS-08	LR71KRE	LR71K2	11/01/07	2223
17	AN-SS-09	LR71LRE	LR71L2	11/01/07	2254
18					
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22					

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: LR71 Project: KIMBERLY CLARK ANACO

Cont. Calib. ID: CC1018 Date Analyzed: 10/18/07

Instrument ID: NT6 Time Analyzed: 1007

		IS1(DCB) AREA	#	RT	#	IS2(NPT) AREA	#	RT	#	IS3(ANT) AREA	#	RT	#
	12 HOUR STD	209365		7.90		696408		9.96		426299		12.84	
	UPPER LIMIT	418730		8.40		1392816		10.46		852598		13.34	
	LOWER LIMIT	104682		7.40		348204		9.46		213150		12.34	
	CLIENT SAMP. NO.												
01	LR71MBS1	196851		7.91		642624		9.97		392528		12.85	
02	LR71LCSS1	204541		7.91		663850		9.97		401615		12.85	
03	AN-SS-01-070	189191		7.91		616459		9.97		376667		12.85	
04	AN-SS-02-070	197786		7.91		668243		9.97		428728		12.86	
05	AN-SS-03-070	202713		7.92		630327		9.97		373356		12.85	
06	AN-SS-07-070	196689		7.92		614521		9.97		366890		12.85	
07	AN-SS-10-070	197254		7.91		601231		9.97		326575		12.85	
08	AN-SS-10-070	179861		7.92		596899		9.97		381704		12.85	
09	AN-SS-10-070	193234		7.91		606199		9.97		362845		12.85	
10	AN-SS-11-070	189400		7.91		594257		9.97		356615		12.85	
11	AN-SS-04	177695		7.91		520814		9.97		279072		12.85	
12	AN-SS-05	197352		7.92		632048		9.97		393756		12.85	
13	AN-SS-06	203049		7.91		607154		9.97		323111		12.85	
14	AN-SS-08	194329		7.91		605202		9.97		382755		12.86	
15	AN-SS-09	194381		7.91		626323		9.97		398480		12.85	
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: LR71 Project: KIMBERLY CLARK ANACO

Cont. Calib. ID: CC1018 Date Analyzed: 10/18/07

Instrument ID: NT6 Time Analyzed: 1007

		IS4(PHN) AREA	#	RT	#	IS5(CRY) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	12 HOUR STD	686887		15.22		718747		19.56		680717		21.72	
	UPPER LIMIT	1373774		15.72		1437494		20.06		1361434		22.22	
	LOWER LIMIT	343444		14.72		359374		19.06		340358		21.22	
	CLIENT SAMP. NO.												
01	LR71MBS1	628504		15.23		591236		19.57		554552		21.73	
02	LR71LCSS1	652120		15.23		650993		19.57		583887		21.73	
03	AN-SS-01-070	660463		15.23		701501		19.58		580716		21.74	
04	AN-SS-02-070	772764		15.24		927641		19.60		693915		21.77	
05	AN-SS-03-070	659639		15.24		756753		19.58		678558		21.75	
06	AN-SS-07-070	635257		15.24		752882		19.57		621049		21.74	
07	AN-SS-10-070	507145		15.23		615072		19.57		589955		21.73	
08	AN-SS-10-070	629026		15.24		637723		19.57		549566		21.73	
09	AN-SS-10-070	619131		15.24		682731		19.57		561100		21.73	
10	AN-SS-11-070	642771		15.24		858973		19.59		589128		21.75	
11	AN-SS-04	480458		15.24		775891		19.58		615101		21.76	
12	AN-SS-05	712380		15.24		903473		19.59		572397		21.75	
13	AN-SS-06	496959		15.24		681258		19.57		534656		21.74	
14	AN-SS-08	698411		15.24		900542		19.60		511997		21.77	
15	AN-SS-09	717880		15.24		858666		19.59		534676		21.76	
16													
17													
18													
19													
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: LR71 Project: KIMBERLY CLARK ANACO

Cont. Calib. ID: CC1018 Date Analyzed: 10/18/07

Instrument ID: NT6 Time Analyzed: 1007

		IS7 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	1031594	20.72				
	UPPER LIMIT	2063188	21.22				
	LOWER LIMIT	515797	20.22				
	CLIENT SAMP. NO.						
01	LR71MBS1	863452	20.73				
02	LR71LCSS1	956174	20.74				
03	AN-SS-01-070	995717	20.74				
04	AN-SS-02-070	1267104	20.76				
05	AN-SS-03-070	1082814	20.74				
06	AN-SS-07-070	998802	20.74				
07	AN-SS-10-070	877776	20.73				
08	AN-SS-10-070	931529	20.73				
09	AN-SS-10-070	1005443	20.73				
10	AN-SS-11-070	1211080	20.74				
11	AN-SS-04	1148629	20.75				
12	AN-SS-05	1217237	20.75				
13	AN-SS-06	963453	20.73				
14	AN-SS-08	1250276	20.75				
15	AN-SS-09	1251061	20.75				
16							
17							
18							
19							
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

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: LR71 Project: KIMBERLY CLARK ANACO

Cont. Calib. ID: CC1019 Date Analyzed: 10/19/07

Instrument ID: NT6 Time Analyzed: 0925

		IS1(DCB) AREA	#	RT	#	IS2(NPT) AREA	#	RT	#	IS3(ANT) AREA	#	RT	#
	12 HOUR STD	226424		7.84		707249		9.91		406888		12.79	
	UPPER LIMIT	452848		8.34		1414498		10.41		813776		13.29	
	LOWER LIMIT	113212		7.34		353624		9.41		203444		12.29	
	CLIENT SAMP. NO.												
01	AN-SS-11-070	158077		7.83		468974		9.90		256484		12.78	
02													
03													
04													
05													
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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: LR71 Project: KIMBERLY CLARK ANACO

Cont. Calib. ID: CC1019 Date Analyzed: 10/19/07

Instrument ID: NT6 Time Analyzed: 0925

		IS4(PHN) AREA	#	RT	#	IS5(CRY) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	12 HOUR STD	651776		15.17		737814		19.51		694786		21.68	
	UPPER LIMIT	1303552		15.67		1475628		20.01		1389572		22.18	
	LOWER LIMIT	325888		14.67		368907		19.01		347393		21.18	
	CLIENT SAMP. NO.												
01	AN-SS-11-070	447168		15.16		604323		19.51		516042		21.67	
02													
03													
04													
05													
06													
07													
08													
09													
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12													
13													
14													
15													
16													
17													
18													
19													
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: LR71 Project: KIMBERLY CLARK ANACO

Cont. Calib. ID: CC1019 Date Analyzed: 10/19/07

Instrument ID: NT6 Time Analyzed: 0925

		IS7 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	1065410	20.69				
	UPPER LIMIT	2130820	21.19				
	LOWER LIMIT	532705	20.19				
	CLIENT SAMP. NO.						
01	AN-SS-11-070	847787	20.68				
02							
03							
04							
05							
06							
07							
08							
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18							
19							
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

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: RIDOLFI, INC.

ARI Job No: LR71 Project: MAKAH NALEMP

Cont. Calib. ID: CC1101 Date Analyzed: 11/01/07

Instrument ID: NT4 Time Analyzed: 1435

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	145384	6.82	530525	8.87	280701	11.68
	UPPER LIMIT	290768	7.32	1061050	9.37	561402	12.18
	LOWER LIMIT	72692	6.32	265262	8.37	140350	11.18
	CLIENT SAMP. NO.						
01	LR71MBS2	150402	6.82	557632	8.87	296628	11.68
02	LR71LCSS2	165263	6.82	613454	8.87	325298	11.69
03	LR71LCSDS2	162567	6.82	609064	8.87	327334	11.68
04	AN-SS-01-070	149931	6.82	560313	8.87	297876	11.68
05	AN-SS-02-070	133446	6.83	482322	8.87	261814	11.68
06	AN-SS-03-070	165249	6.83	611125	8.87	318065	11.69
07	AN-SS-07-070	171353	6.82	635791	8.87	319126	11.68
08	AN-SS-10-070	166412	6.82	605024	8.87	318217	11.68
09	AN-SS-10-070	169624	6.82	621446	8.87	337720	11.69
10	AN-SS-10-070	147079	6.82	543344	8.87	289705	11.68
11	AN-SS-11-070	165938	6.83	598961	8.87	317563	11.68
12	AN-SS-04	164152	6.82	605587	8.87	309756	11.68
13	AN-SS-05	151499	6.83	551420	8.87	322672	11.69
14	AN-SS-06	170134	6.83	616125	8.87	328811	11.69
15	AN-SS-08	148189	6.82	563265	8.87	333421	11.69
16	AN-SS-09	164643	6.83	587768	8.88	323476	11.69
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: RIDOLFI, INC.

ARI Job No: LR71 Project: MAKAH NALEMP

Cont. Calib. ID: CC1101 Date Analyzed: 11/01/07

Instrument ID: NT4 Time Analyzed: 1435

		IS4(PHN) AREA	#	RT	#	IS5(CRY) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	12 HOUR STD	391934		14.00		354658		18.22		400782		20.33	
	UPPER LIMIT	783868		14.50		709316		18.72		801564		20.83	
	LOWER LIMIT	195967		13.50		177329		17.72		200391		19.83	
	CLIENT SAMP. NO.												
01	LR71MBS2	428044		13.99		370917		18.22		385229		20.32	
02	LR71LCSS2	467434		14.00		378695		18.22		392157		20.32	
03	LR71LCSDS2	470911		14.00		387827		18.22		391270		20.32	
04	AN-SS-01-070	435451		14.00		502690		18.24		501155		20.35	
05	AN-SS-02-070	419690		14.01		665106		18.26		496914		20.38	
06	AN-SS-03-070	432391		14.00		445581		18.23		475370		20.34	
07	AN-SS-07-070	452619		14.00		450806		18.23		492085		20.34	
08	AN-SS-10-070	442973		14.00		467873		18.22		492457		20.33	
09	AN-SS-10-070	442952		14.00		446427		18.23		516940		20.33	
10	AN-SS-10-070	392842		14.00		420545		18.23		457106		20.34	
11	AN-SS-11-070	443947		14.00		522303		18.25		527367		20.36	
12	AN-SS-04	442675		14.00		530706		18.25		559995		20.37	
13	AN-SS-05	528121		14.01		583655		18.26		490412		20.36	
14	AN-SS-06	471706		14.00		504181		18.23		562162		20.34	
15	AN-SS-08	523860		14.01		362137		18.29		415986		20.41	
16	AN-SS-09	493723		14.00		557406		18.27		452167		20.39	
17													
18													
19													
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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: RIDOLFI, INC.

ARI Job No: LR71 Project: MAKAH NALEMP

Cont. Calib. ID: CC1101 Date Analyzed: 11/01/07

Instrument ID: NT4 Time Analyzed: 1435

		IS7 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	506314	19.50				
	UPPER LIMIT	1012628	20.00				
	LOWER LIMIT	253157	19.00				
	CLIENT SAMP. NO.						
01	LR71MBS2	507823	19.50				
02	LR71LCSS2	529884	19.50				
03	LR71LCSDS2	530771	19.50				
04	AN-SS-01-070	753759	19.52				
05	AN-SS-02-070	693549	19.54				
06	AN-SS-03-070	622522	19.51				
07	AN-SS-07-070	635306	19.51				
08	AN-SS-10-070	644799	19.50				
09	AN-SS-10-070	603758	19.51				
10	AN-SS-10-070	559864	19.50				
11	AN-SS-11-070	767428	19.52				
12	AN-SS-04	720058	19.53				
13	AN-SS-05	812092	19.53				
14	AN-SS-06	692029	19.51				
15	AN-SS-08	738341	19.56				
16	AN-SS-09	752279	19.54				
17							
18							
19							
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.

Semivolatile Organics
Sample Data

prepared
for

ANCHOR ENVIRONMENTAL

Project : KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-01-070927
SAMPLE

Lab Sample ID: LR71A
LIMS ID: 07-20766
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 14:39
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: 51.5%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**62**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	**Naphthalene**	**20**	**42**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**64**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**130**
129-00-0	**Pyrene**	**20**	**110**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**34**
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**57**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**37**
207-08-9	**Benzo(k)fluoranthene**	**20**	**48**
50-32-8	**Benzo(a)pyrene**	**20**	**36**
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-01-070927**
Page 2 of 2 **SAMPLE**

Lab Sample ID: LR71A QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20766 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 10/18/07 14:39

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	53.6%	2-Fluorobiphenyl	55.2%
d14-p-Terphenyl	71.6%	d4-1,2-Dichlorobenzene	47.6%
d5-Phenol	60.3%	2-Fluorophenol	68.8%
2,4,6-Tribromophenol	74.4%	d4-2-Chlorophenol	58.7%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071018.b/lr71a.d
Lab Smp Id: LR71A Client Smp ID: AN-SS-01-070927
Inj Date : 18-OCT-2007 14:39
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71A
Misc Info : 07-20766
Comment : 1ul Injection
Method : /chem1/nt6.i/20071018.b/SW846.m
Meth Date : 25-Oct-2007 15:32 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 10/25/07

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	104.00000	Weight of sample extracted (g)
M	51.50000	% 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	5.971	5.917	(0.755)	359002	25.7500	510.5
$	2 Phenol-d5	99	7.499	7.488	(0.948)	401760	22.5583	447.2
	3 Phenol	94	7.515	7.504	(0.950)	15296	0.69300 LDL	13.74
$	5 2-Chlorophenol-d4	132	7.611	7.600	(0.962)	261494	22.0450	437.1
	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	7.910	7.904	(1.000)	189191	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	8.209	8.204	(1.038)	105496	11.8601	235.1
	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	8.679	8.674	(1.097)	41867	3.15122	62.47
$	18 Nitrobenzene-d5	82	8.845	8.845	(0.887)	265232	13.3912	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	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.967	9.961	(1.000)	616459	20.0000	
	28 Naphthalene	128	9.999	9.999	(1.003)	81037	2.13260	42.28
	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	11.783	11.777	(0.917)	403450	13.7569	272.7
	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	12.851	12.841	(1.000)	376667	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	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	Compound Not Detected.					
	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	14.150	14.139	(1.101)	101815	27.8604	552.3
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	15.234	15.223	(1.000)	660463	20.0000	
	60 Phenanthrene	178	15.271	15.261	(1.002)	137800	3.25186	64.47
	61 Anthracene	178	15.341	15.335	(1.007)	26368	0.62144 ~DL	12.32
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	Compound Not Detected.					
64	Fluoranthene	202	17.221	17.205	(1.130)	320594	6.61567	131.2
65	Pyrene	202	17.579	17.563	(0.898)	288117	5.71859	113.4
$ 66	Terphenyl-d14	244	17.905	17.884	(0.915)	564788	17.9095	355.1
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	19.545	19.529	(0.998)	95422	1.73609	34.42
* 69	Chrysene-d12	240	19.577	19.556	(1.000)	701501	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	19.615	19.598	(1.002)	142277	2.88051	57.11
72	bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
* 134	Di-n-octylphthalate-d4	153	20.742	20.720	(1.000)	995717	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	21.212	21.190	(0.976)	78250	1.87645	37.20(M)
75	Benzo(k)fluoranthene	252	21.228	21.228	(0.976)	106512	2.41453	47.87(M)
76	Benzo(a)pyrene	252	21.661	21.639	(0.996)	69833	1.82423	36.17
* 77	Perylene-d12	264	21.741	21.719	(1.000)	580716	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	23.226	23.215	(1.068)	31312	0.68970 LDL	13.67
79	Dibenzo(a,h)anthracene	278	Compound Not Detected.					
80	Benzo(g,h,i)perylene	276	23.637	23.616	(1.087)	24432	0.53816	10.67
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	7.424	7.456	(0.939)	23827	0.94043	18.64(M)
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: lr71a.d
Lab Smp Id: LR71A
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20766

Calibration Date: 18-OCT-2007
Calibration Time: 10:07
Client Smp ID: AN-SS-01-070927
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	189191	-10.79
27 Naphthalene-d8	656578	328289	1313156	616459	-6.11
42 Acenaphthene-d10	353705	176852	707410	376667	6.49
59 Phenanthrene-d10	526440	263220	1052880	660463	25.46
69 Chrysene-d12	581923	290962	1163846	701501	20.55
134 Di-n-octylphthala	979097	489548	1958194	995717	1.70
77 Perylene-d12	686531	343266	1373062	580716	-15.41

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.90	7.40	8.40	7.91	0.07
27 Naphthalene-d8	9.96	9.46	10.46	9.97	0.06
42 Acenaphthene-d10	12.84	12.34	13.34	12.85	0.08
59 Phenanthrene-d10	15.22	14.72	15.72	15.23	0.07
69 Chrysene-d12	19.56	19.06	20.06	19.58	0.11
134 Di-n-octylphthala	20.72	20.22	21.22	20.74	0.10
77 Perylene-d12	21.72	21.22	22.22	21.74	0.10

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

Analytical Resources, Inc.

RECOVERY REPORT

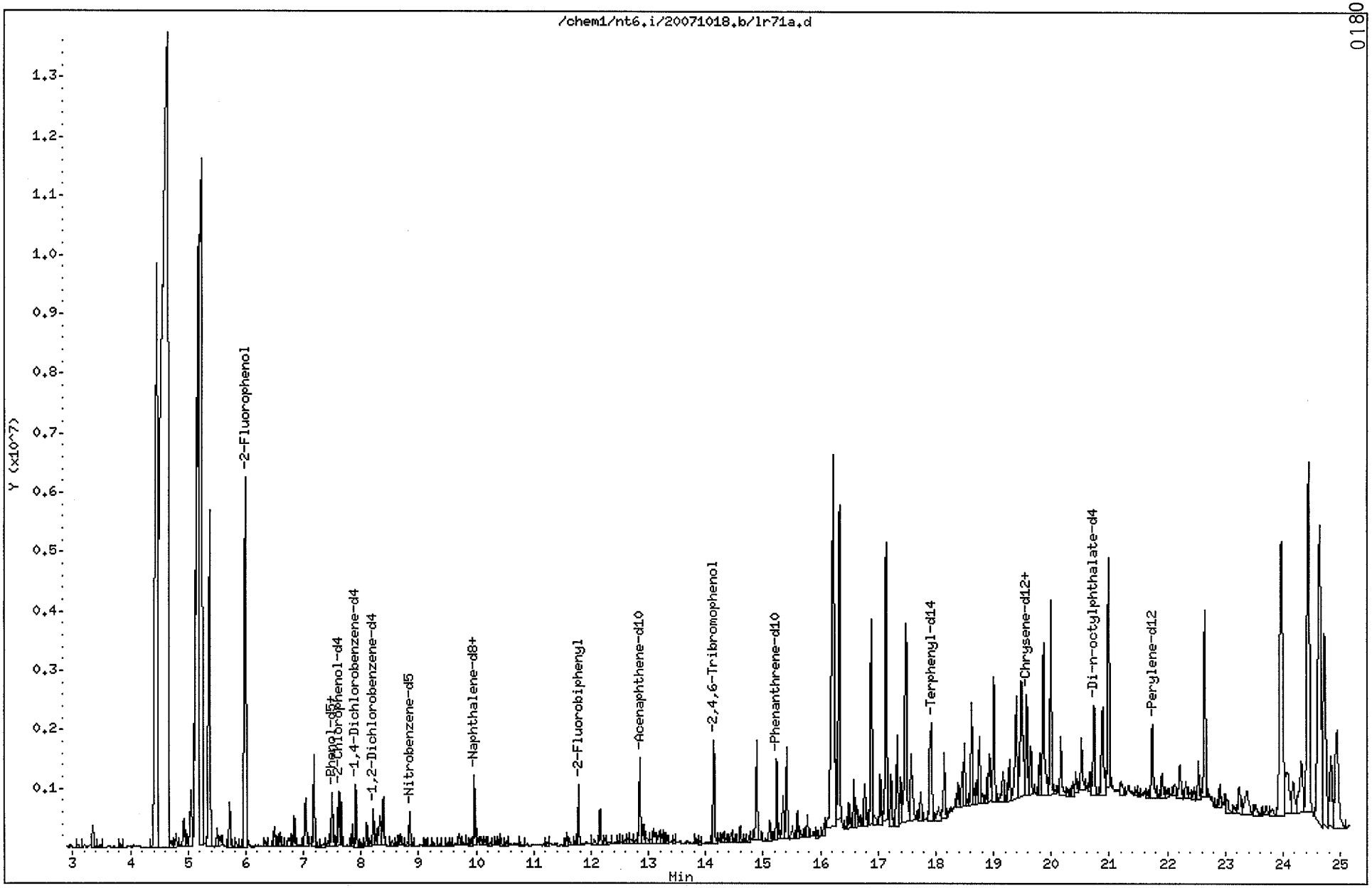
Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71A
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20766

Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-01-070927
Operator: LJR/VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	743.5	510.5	68.67	11-84
$ 2 Phenol-d5	743.5	447.2	60.16	25-86
$ 5 2-Chlorophenol-d4	743.5	437.1	58.79	23-91
$ 10 1,2-Dichlorobenzen	495.6	235.1	47.44	24-90
$ 18 Nitrobenzene-d5	495.6	265.5	53.56	26-88
$ 36 2-Fluorobiphenyl	495.6	272.7	55.03	34-91
$ 55 2,4,6-Tribromophen	743.5	552.3	74.29	25-107
$ 66 Terphenyl-d14	495.6	355.1	71.64	22-100

Data File: /chem1/nt6.i/20071018.b/lr71a.d
Date : 18-OCT-2007 14:39
Client ID: AN-SS-01-070927
Sample Info: LR71A
Volume Injected (uL): 1.0
Column phase: ZB-5

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



Data File: /chem1/nt6.i/20071018.b/lr71a.d

Date : 18-OCT-2007 14:39

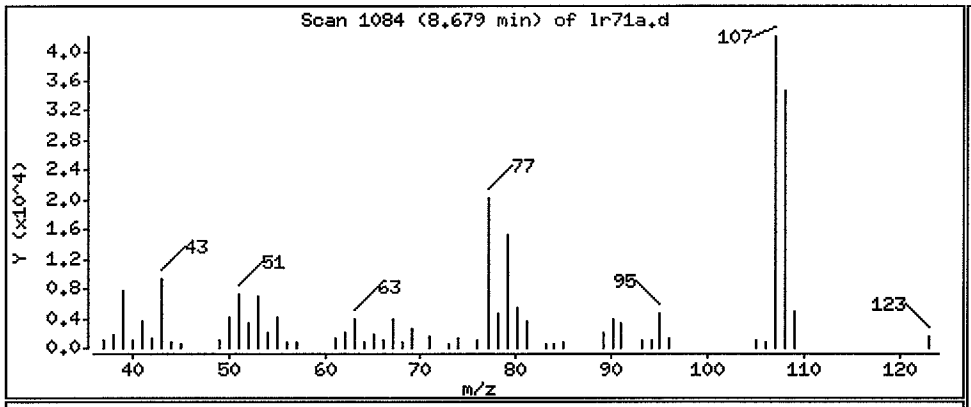
Client ID: AN-SS-01-070927 Instrument: nt6.i

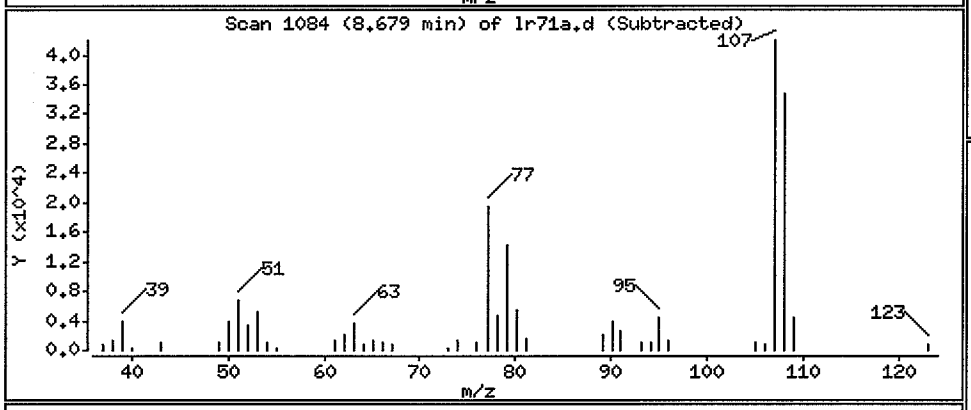
Sample Info: LR71A

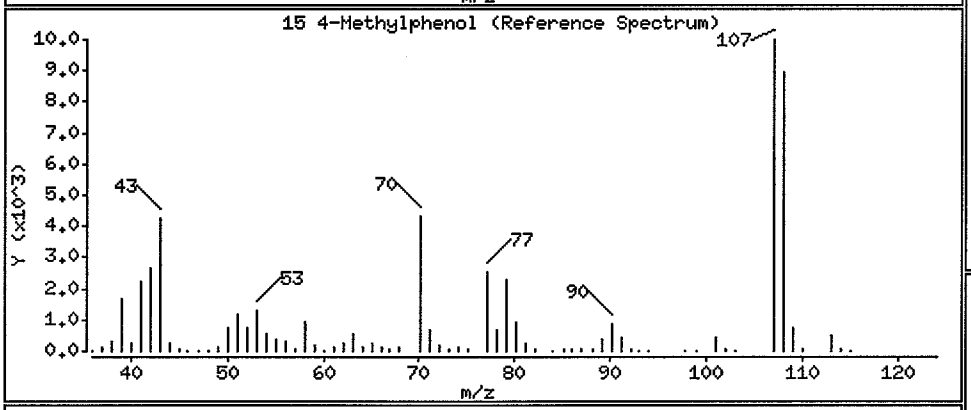
Volume Injected (uL): 1.0 Operator: LJR/VTS

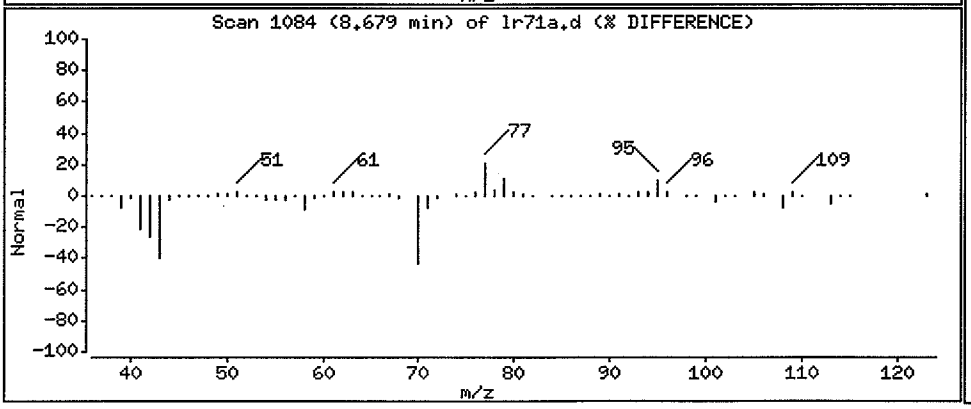
Column phase: ZB-5 Column diameter: 0.32

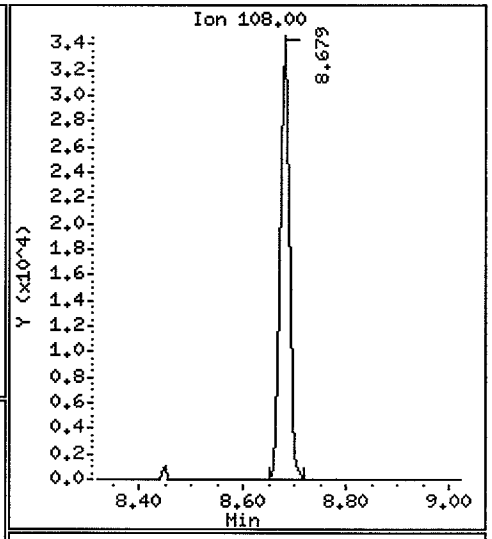
15 4-Methylphenol Concentration: 62.47 ug/kg

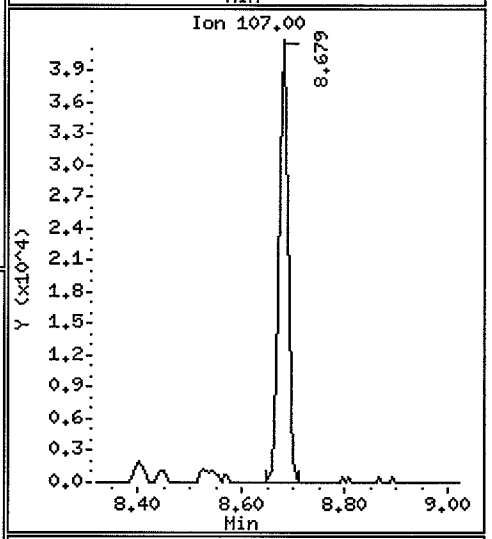


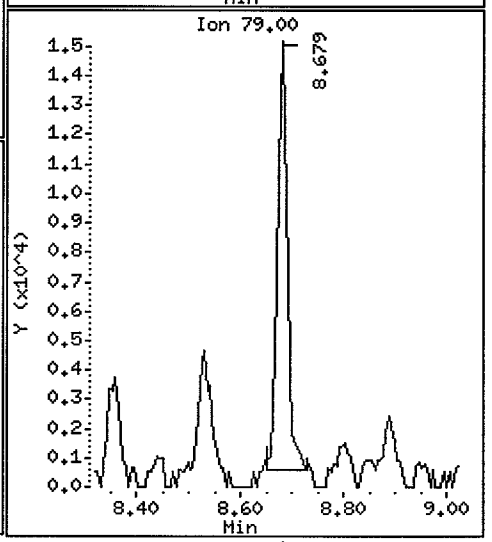












Data File: /chem1/nt6.i/20071018.b/lr71a.d

Date : 18-OCT-2007 14:39

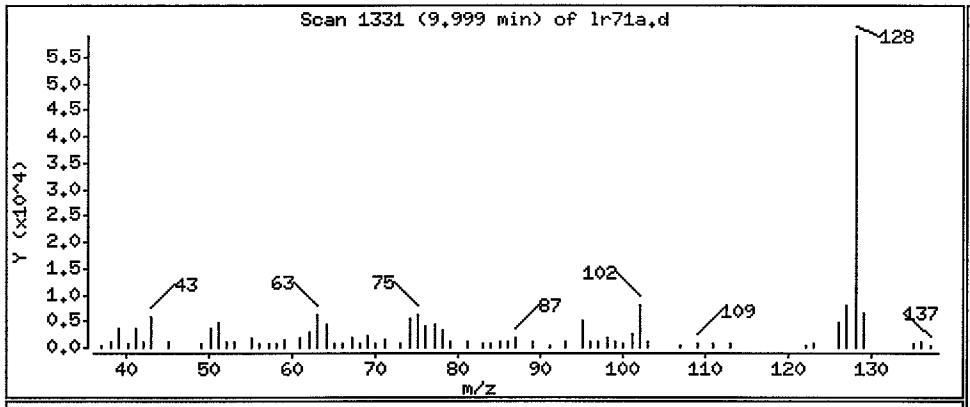
Client ID: AN-SS-01-070927 Instrument: nt6.i

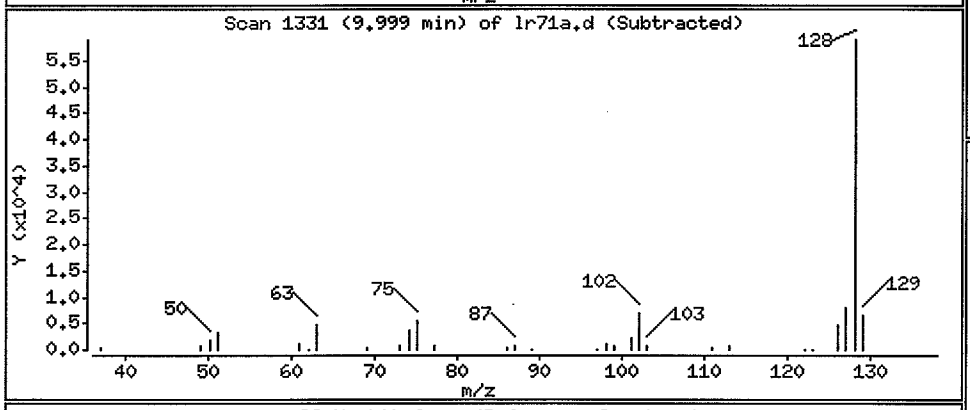
Sample Info: LR71A

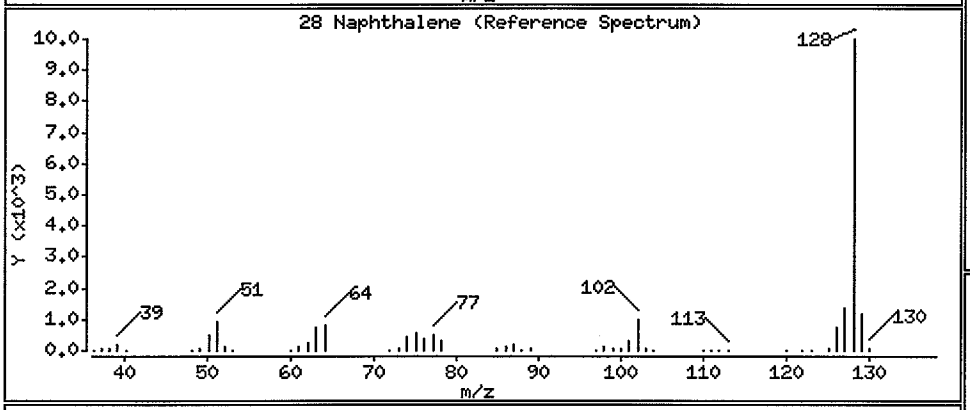
Volume Injected (uL): 1.0 Operator: LJR/VTS

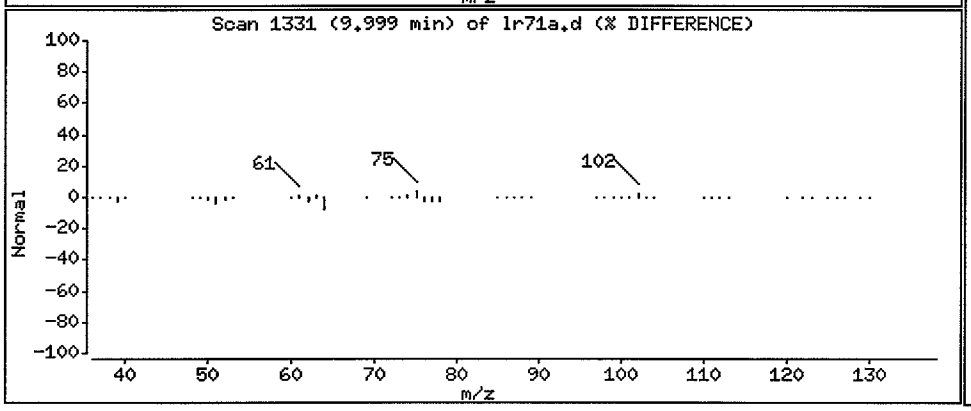
Column phase: ZB-5 Column diameter: 0.32

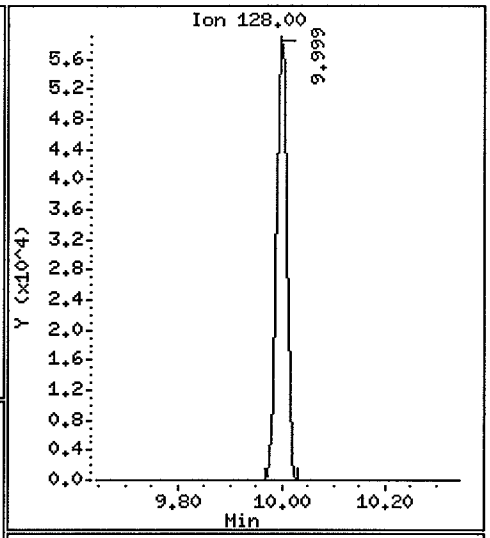
28 Naphthalene Concentration: 42.28 ug/kg

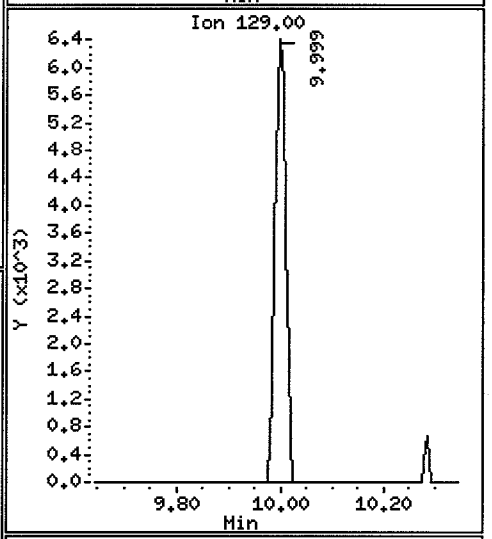


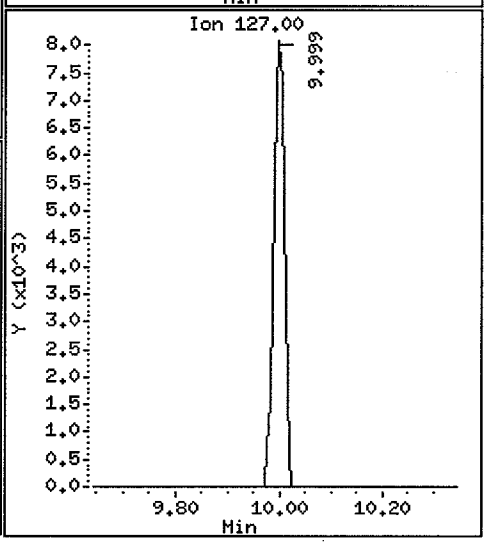












Data File: /chem1/nt6.i/20071018.b/lr71a.d

Date : 18-OCT-2007 14:39

Client ID: AN-SS-01-070927

Instrument: nt6.i

Sample Info: LR71A

Volume Injected (uL): 1.0

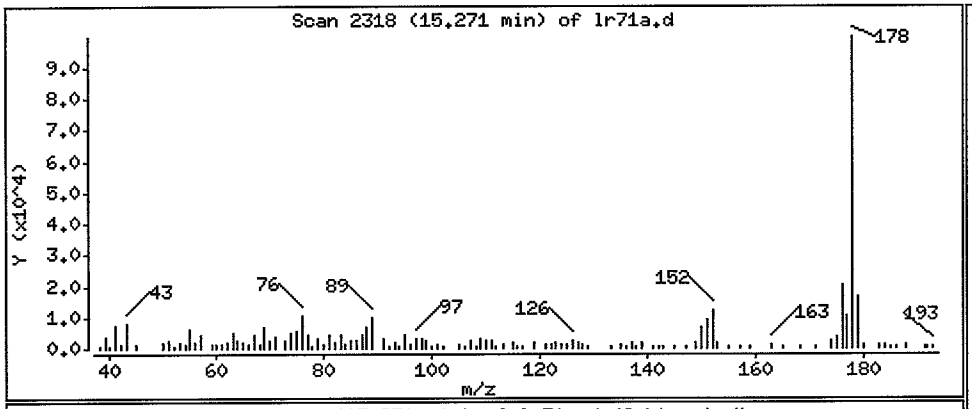
Operator: LJR/VTS

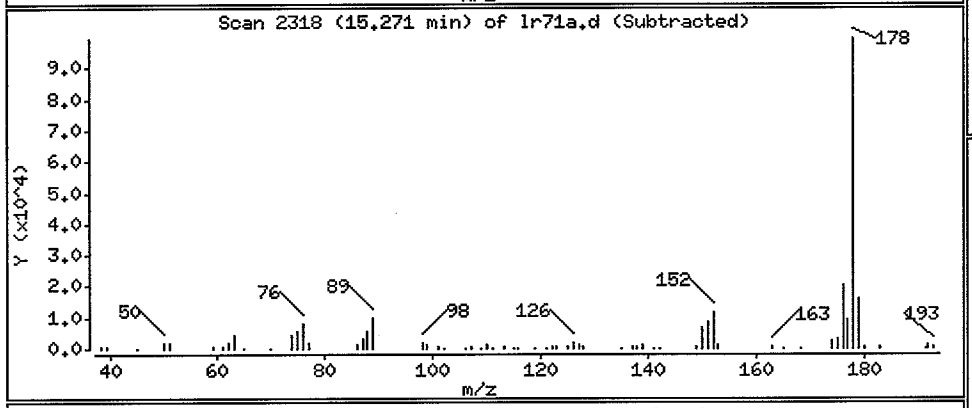
Column phase: ZB-5

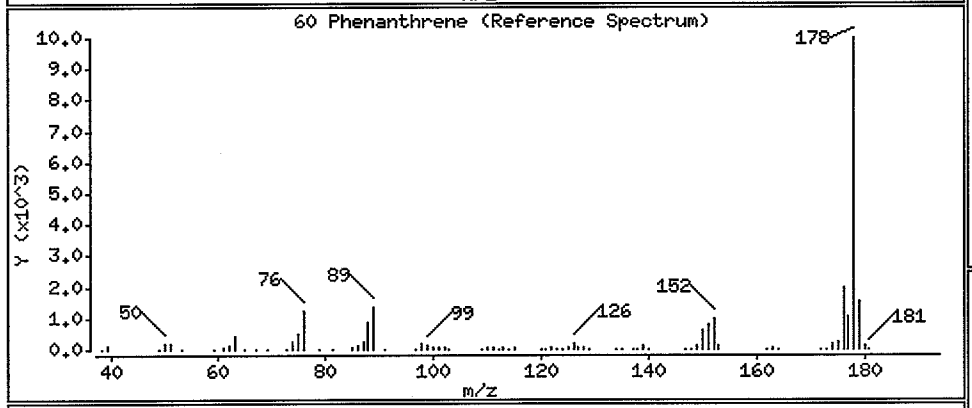
Column diameter: 0.32

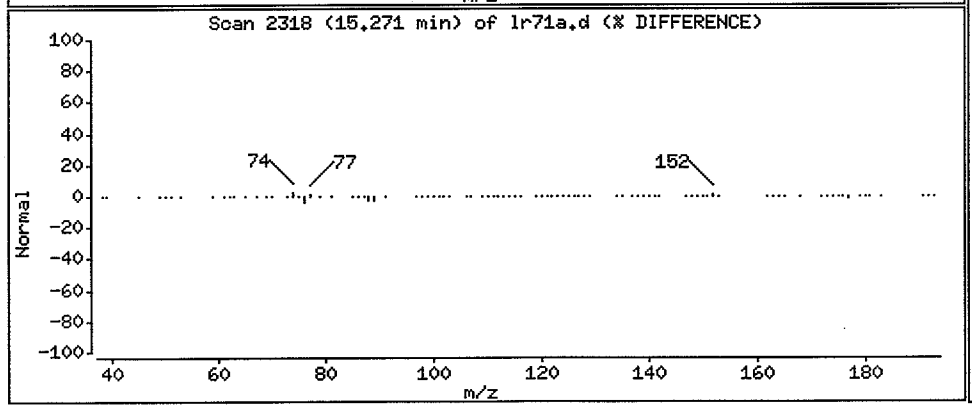
60 Phenanthrene

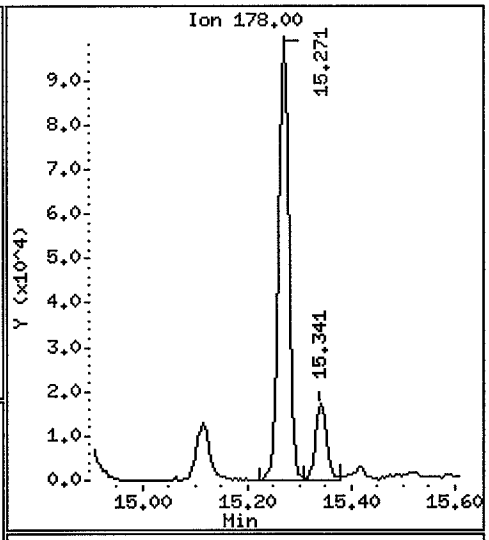
Concentration: 64.47 ug/kg

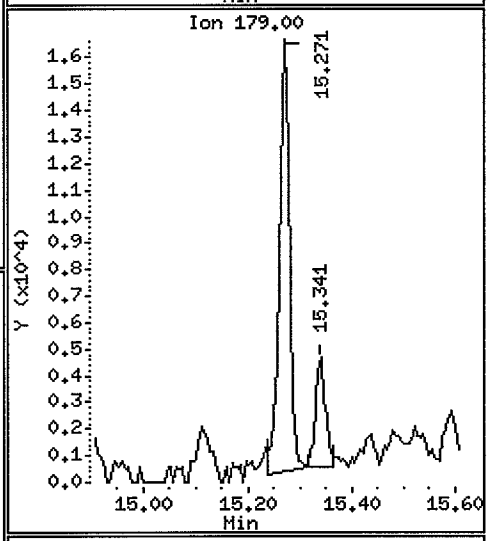


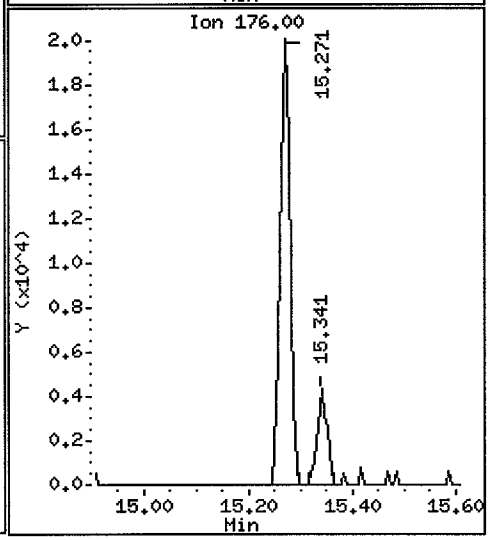












Data File: /chem1/nt6.i/20071018.b/lr71a.d

Date : 18-OCT-2007 14:39

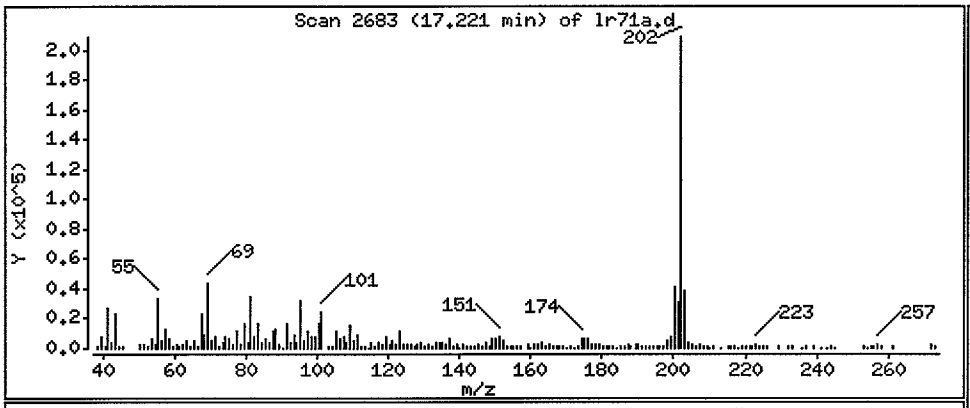
Client ID: AN-SS-01-070927 Instrument: nt6.i

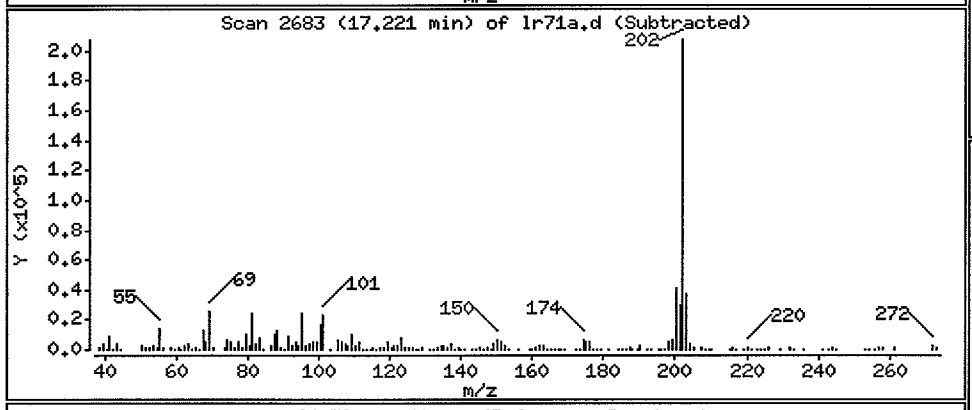
Sample Info: LR71A

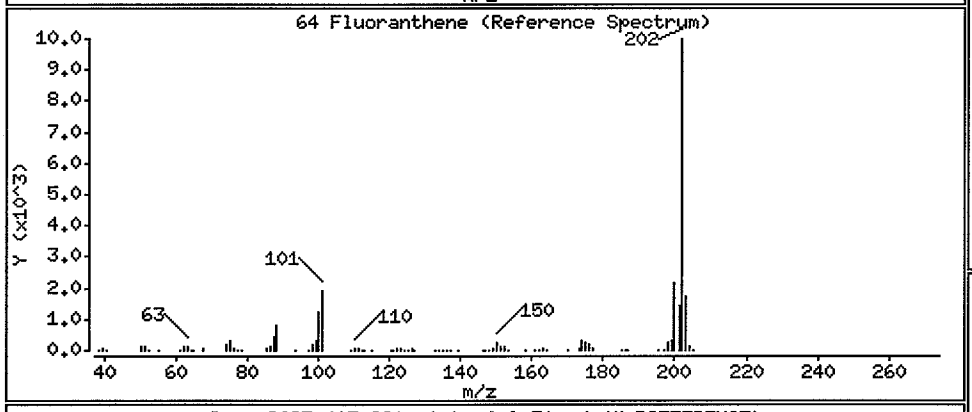
Volume Injected (uL): 1.0 Operator: LJR/VTS

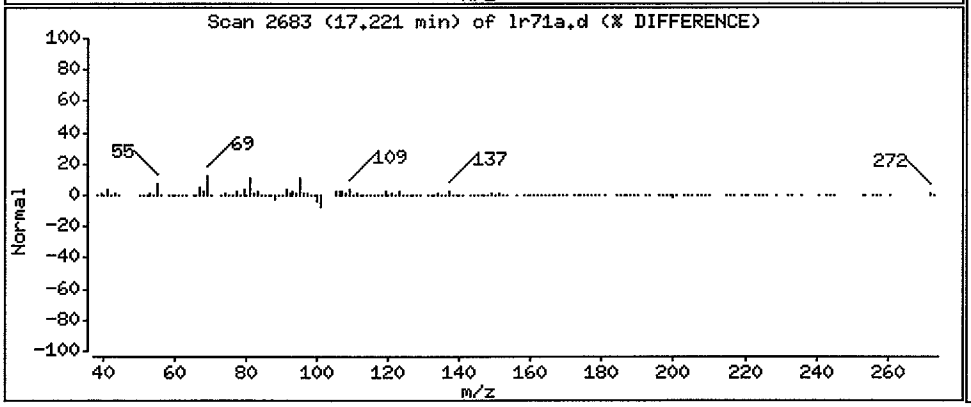
Column phase: ZB-5 Column diameter: 0.32

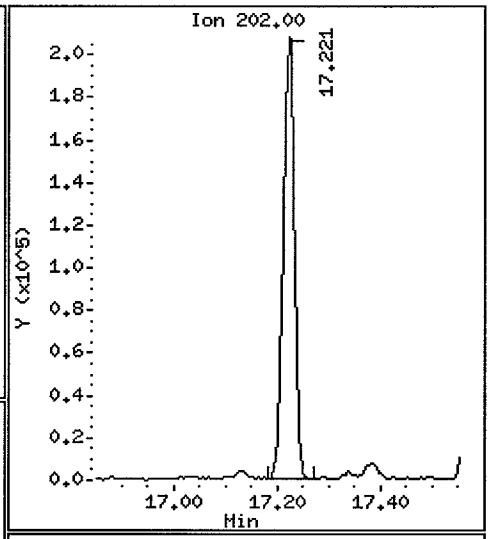
64 Fluoranthene Concentration: 131.2 ug/kg

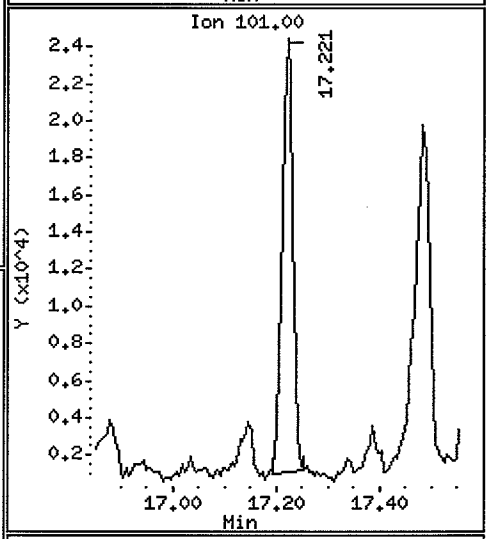


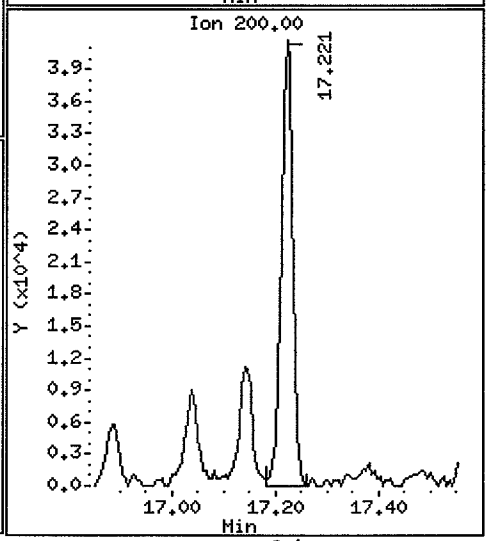












Data File: /chem1/nt6.i/20071018.b/lr71a.d

Date : 18-OCT-2007 14:39

Client ID: AN-SS-01-070927

Instrument: nt6.i

Sample Info: LR71A

Volume Injected (uL): 1.0

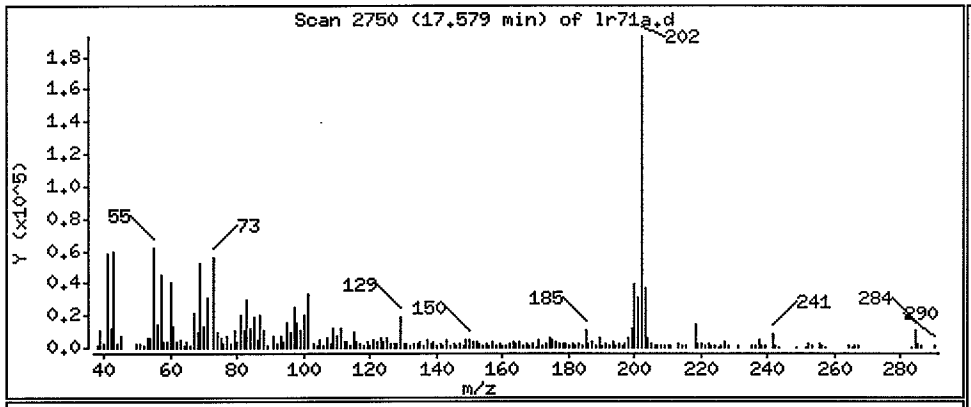
Operator: LJR/VTS

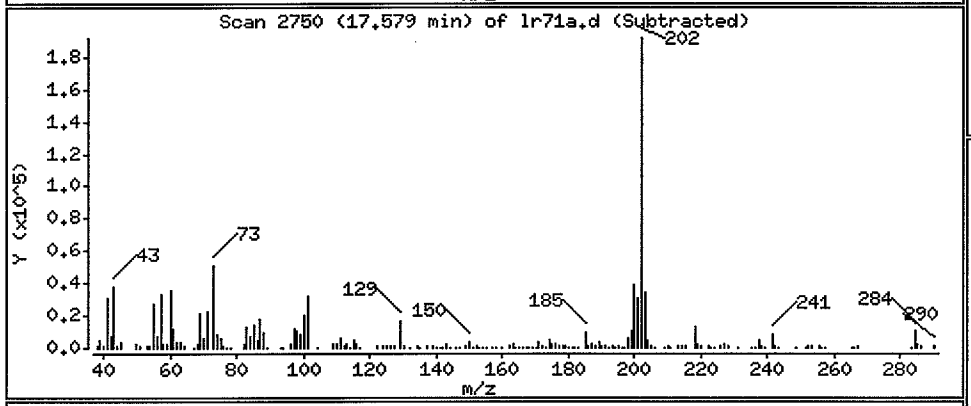
Column phase: ZB-5

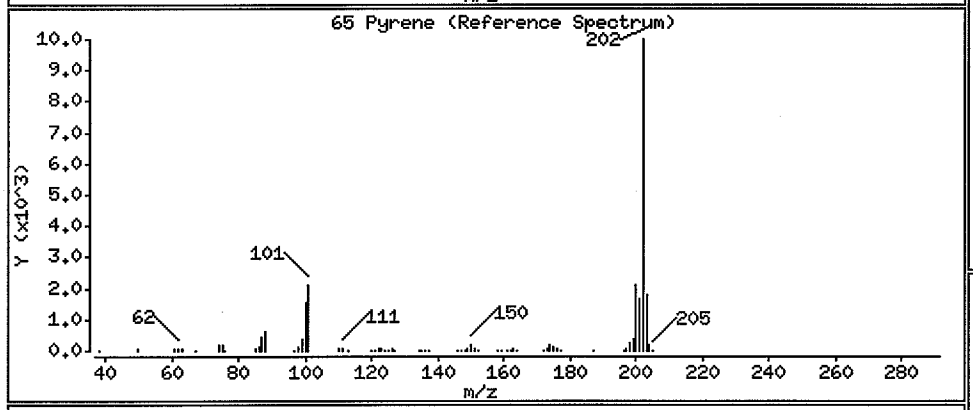
Column diameter: 0.32

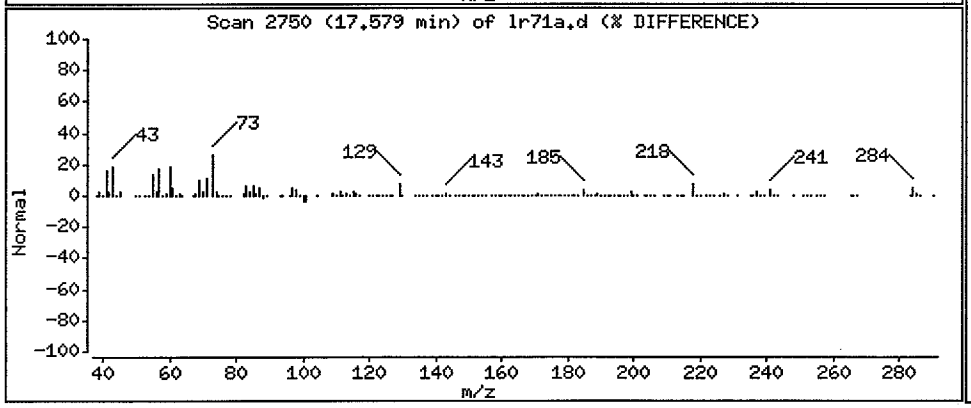
65 Pyrene

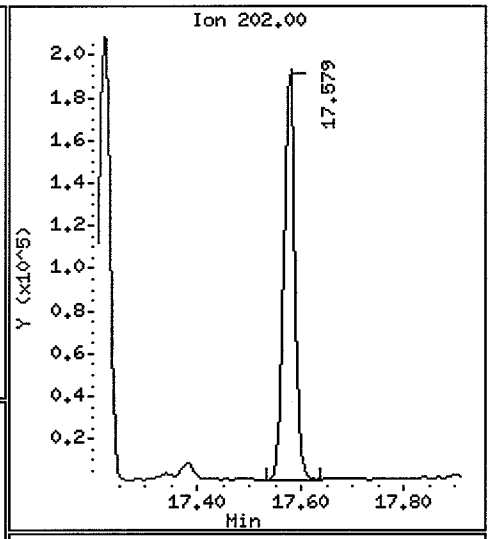
Concentration: 113.4 ug/kg

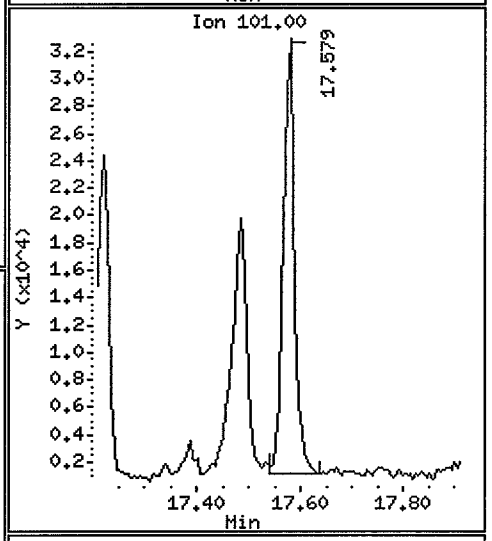


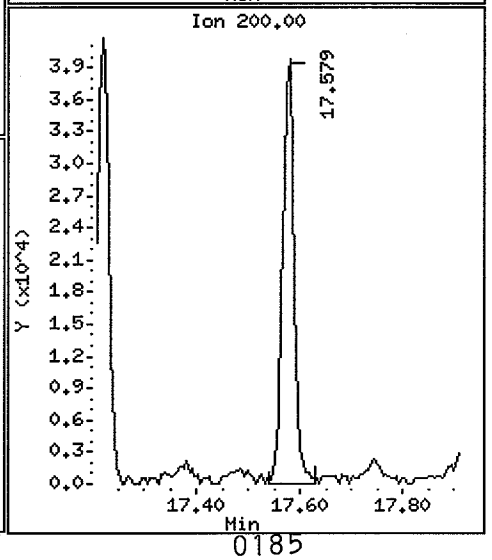












Data File: /chem1/nt6.i/20071018.b/lr71a.d

Date : 18-OCT-2007 14:39

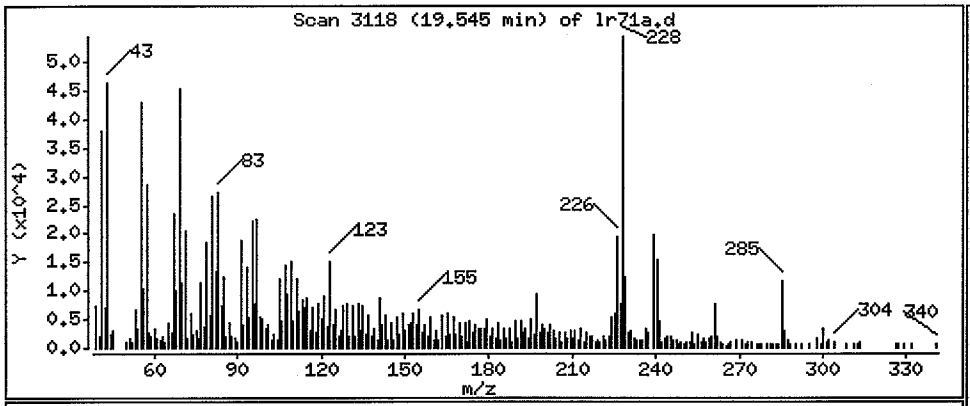
Client ID: AN-SS-01-070927 Instrument: nt6.i

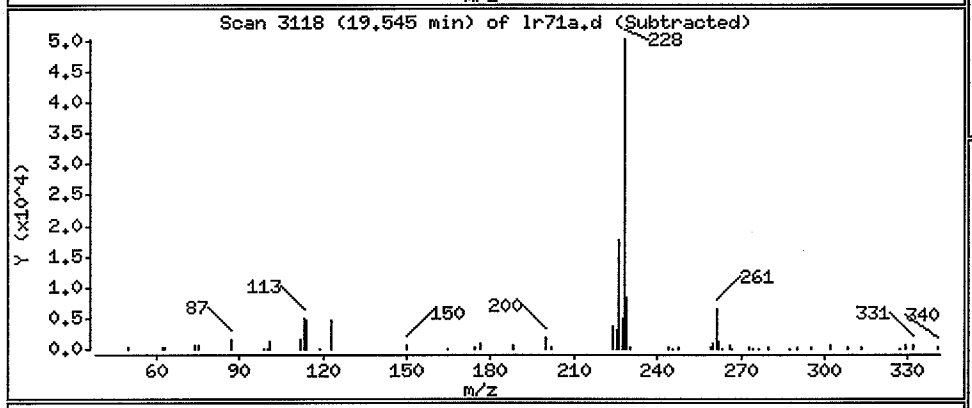
Sample Info: LR71A

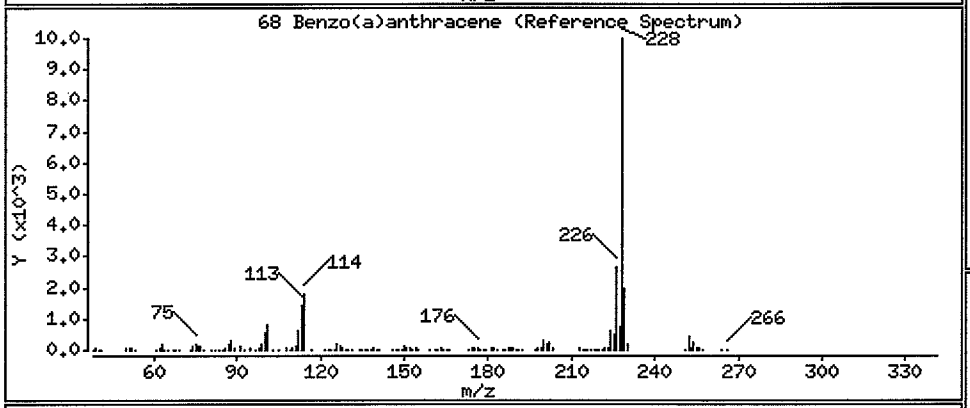
Volume Injected (uL): 1.0 Operator: LJR/VTS

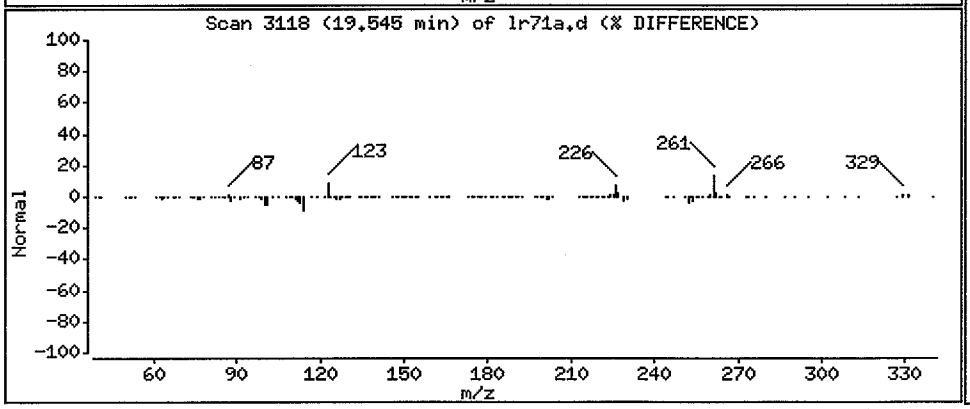
Column phase: ZB-5 Column diameter: 0.32

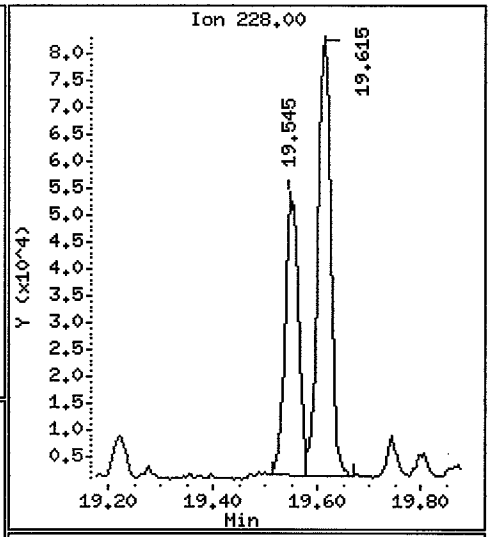
68 Benzo(a)anthracene Concentration: 34.42 ug/kg

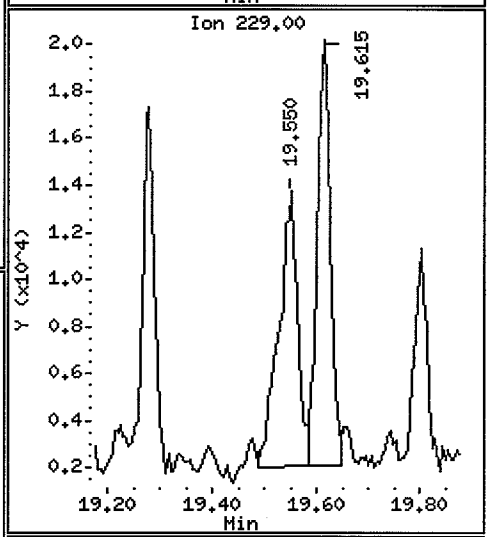


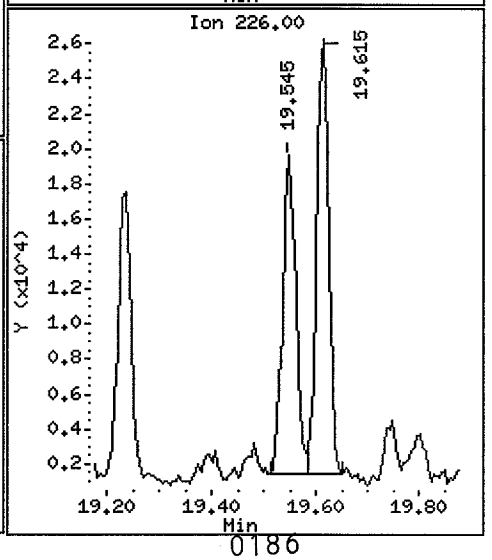












Data File: /chem1/nt6.i/20071018.b/lr71a.d

Date : 18-OCT-2007 14:39

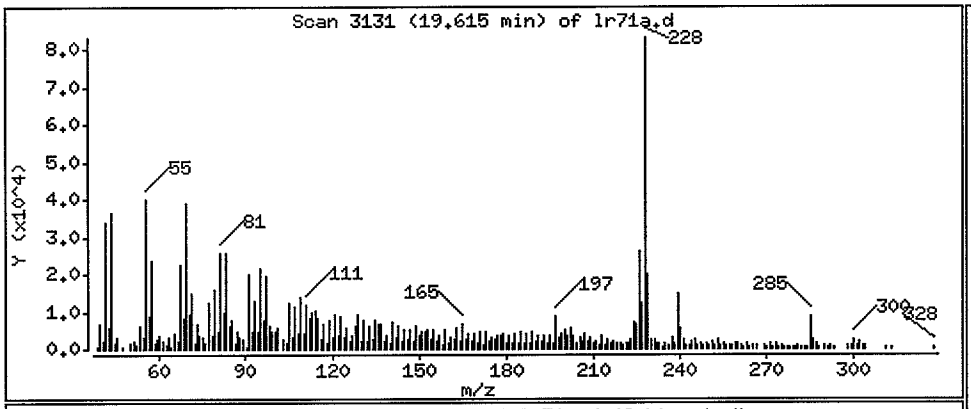
Client ID: AN-SS-01-070927 Instrument: nt6.i

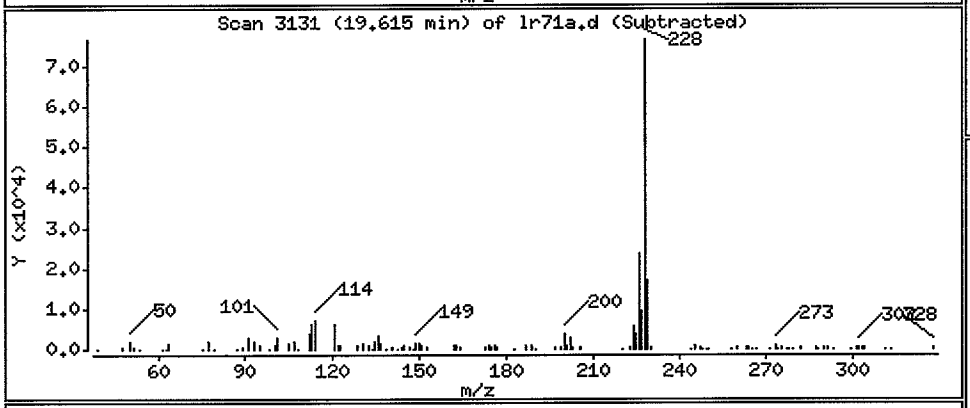
Sample Info: LR71A

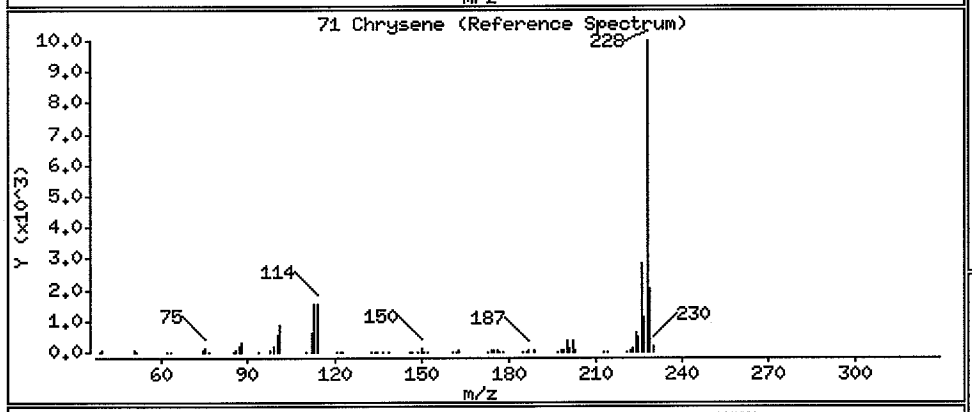
Volume Injected (uL): 1.0 Operator: LJR/VTS

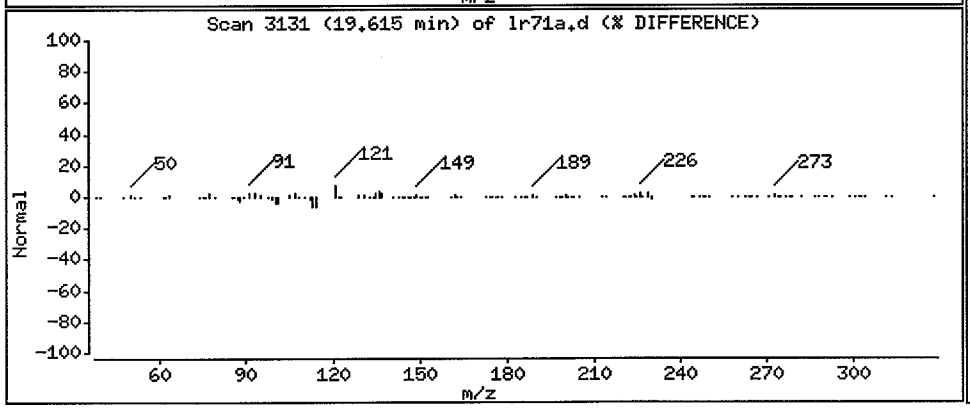
Column phase: ZB-5 Column diameter: 0.32

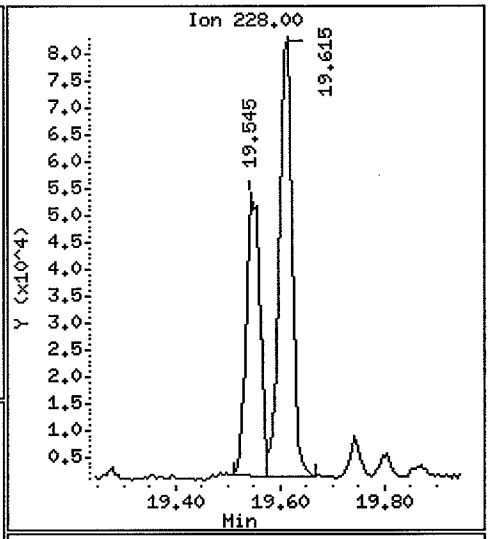
71 Chrysene Concentration: 57.11 ug/kg

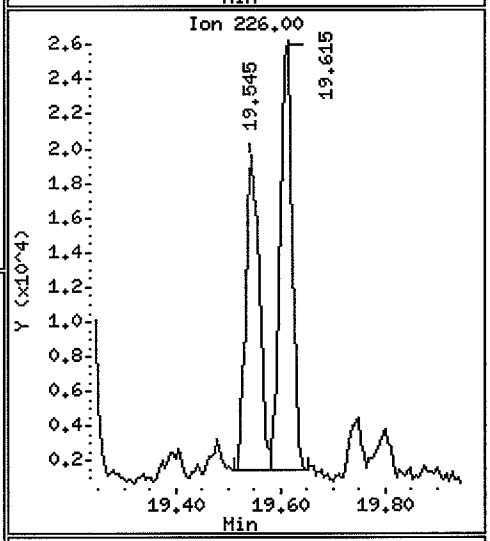


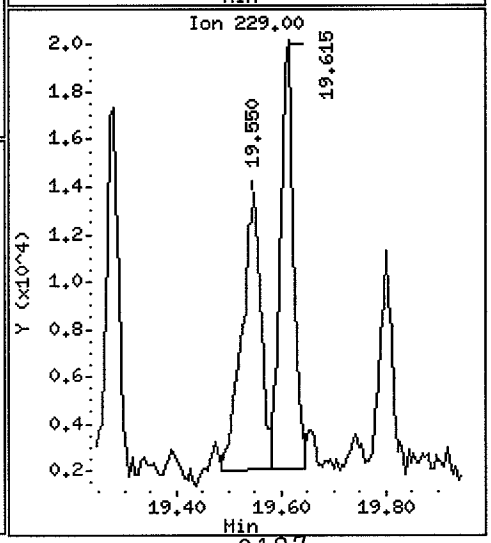












Data File: /chem1/nt6.i/20071018.b/lr71a.d

Date : 18-OCT-2007 14:39

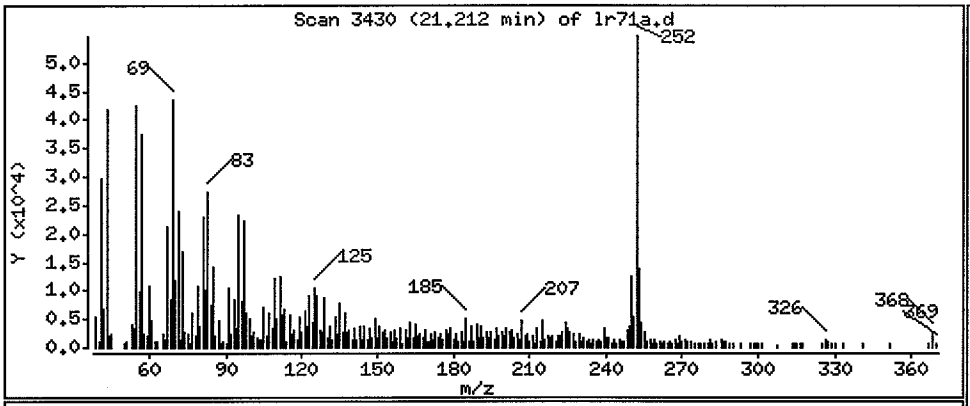
Client ID: AN-SS-01-070927 Instrument: nt6.i

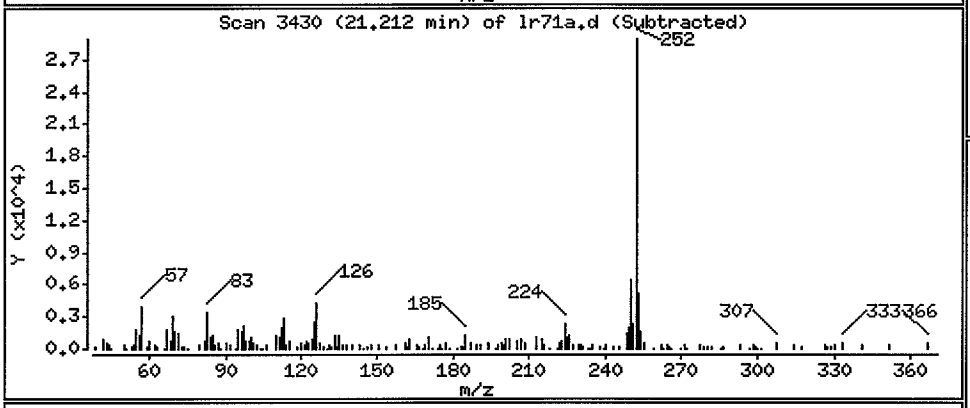
Sample Info: LR71A

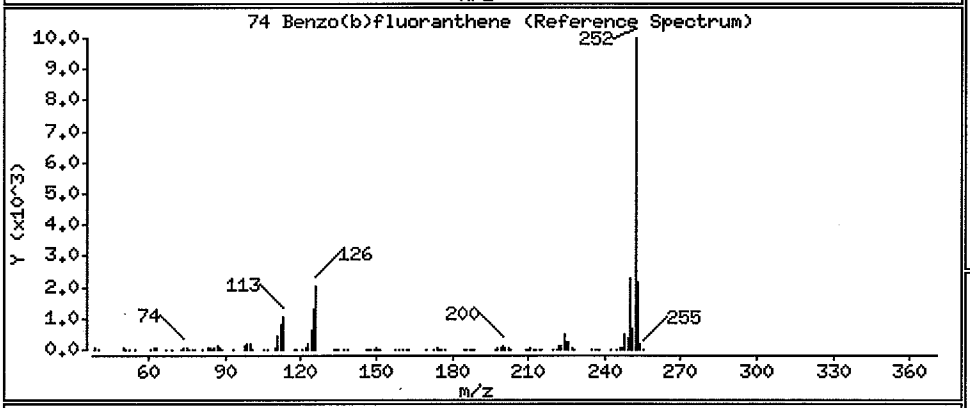
Volume Injected (uL): 1.0 Operator: LJR/VTS

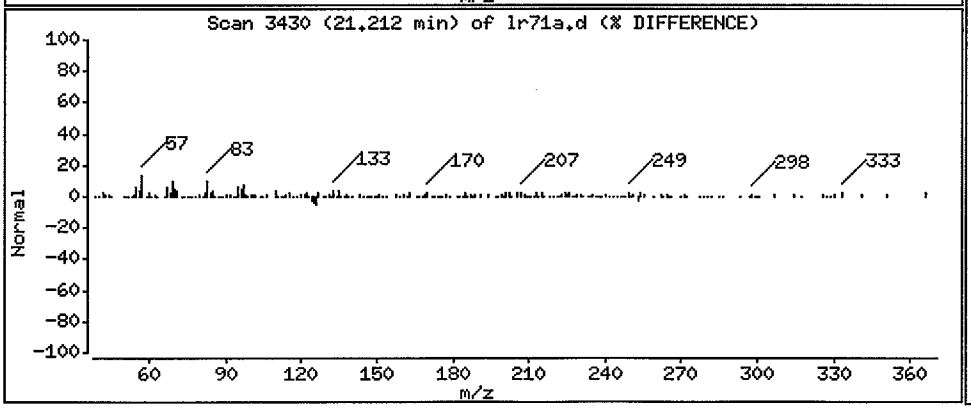
Column phase: ZB-5 Column diameter: 0.32

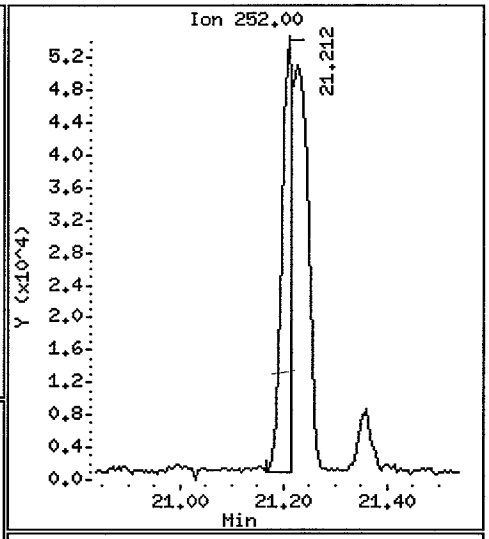
74 Benzo(b)fluoranthene Concentration: 37.20 ug/kg

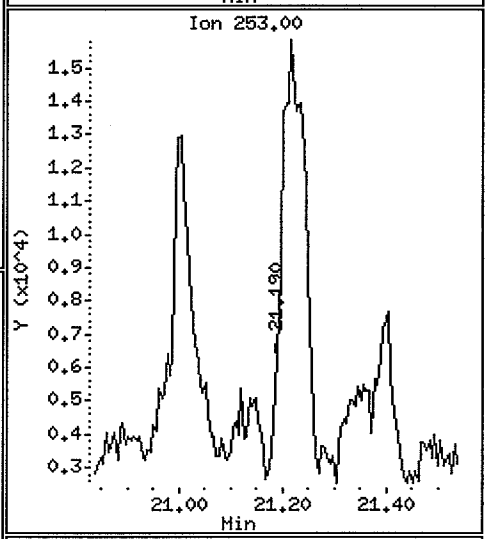


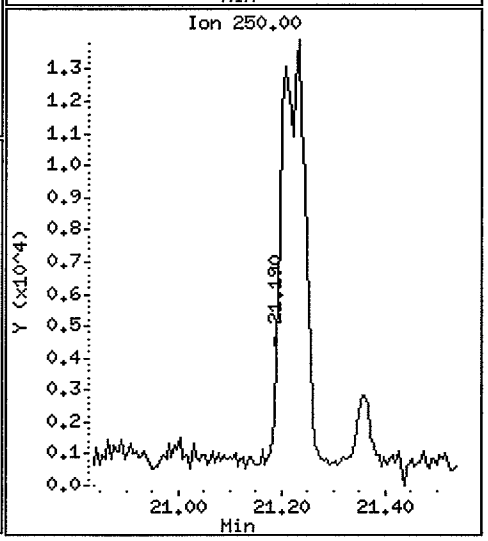












Data File: /chem1/nt6.i/20071018.b/lr71a.d

Date : 18-OCT-2007 14:39

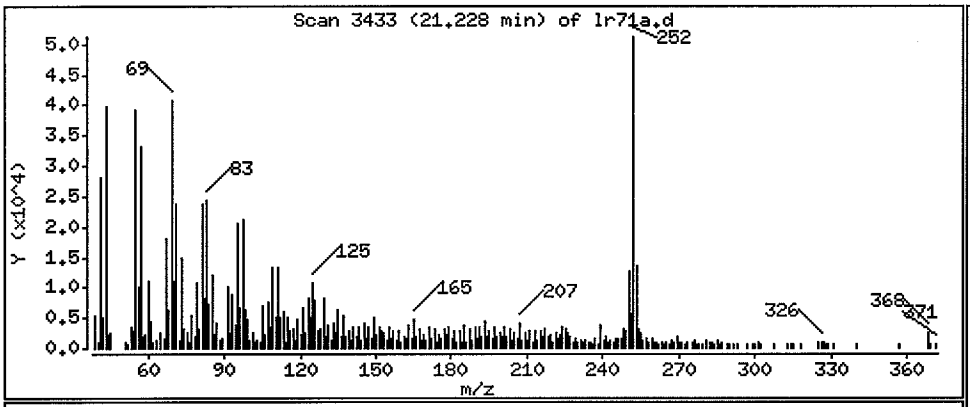
Client ID: AN-SS-01-070927 Instrument: nt6.i

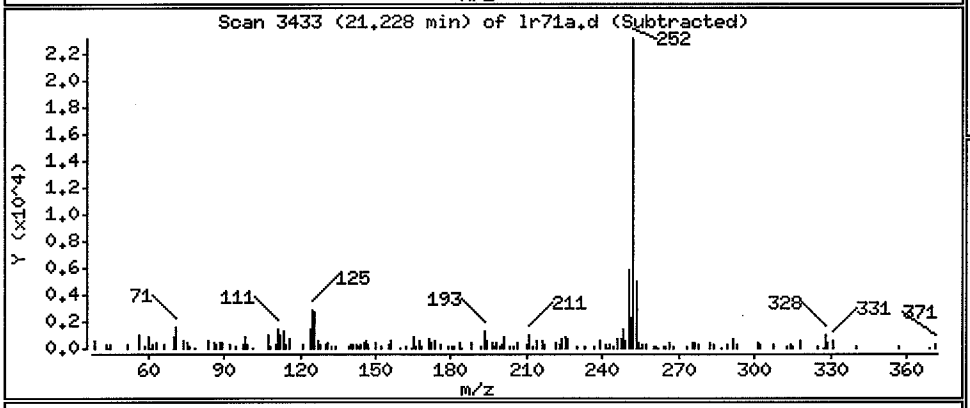
Sample Info: LR71A

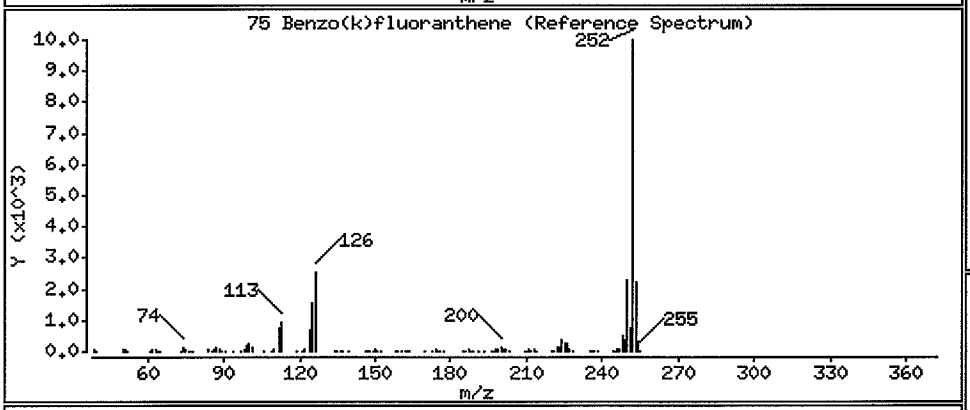
Volume Injected (uL): 1.0 Operator: LJR/VTS

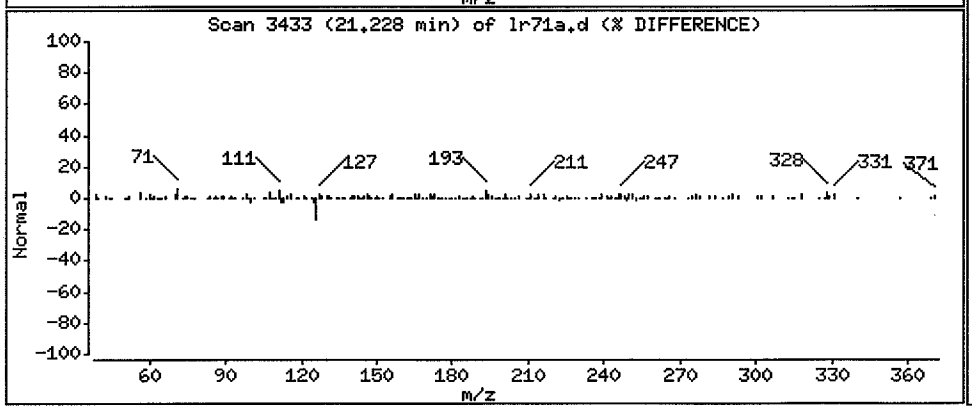
Column phase: ZB-5 Column diameter: 0.32

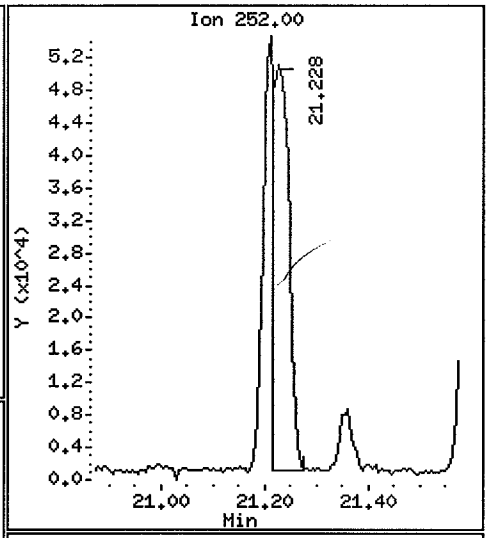
75 Benzo(k)fluoranthene Concentration: 47.87 ug/kg

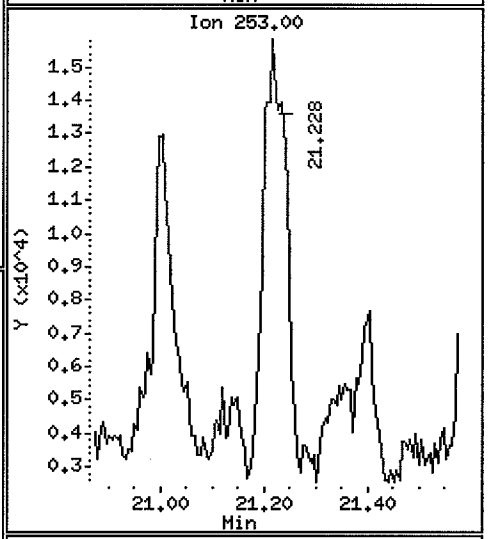


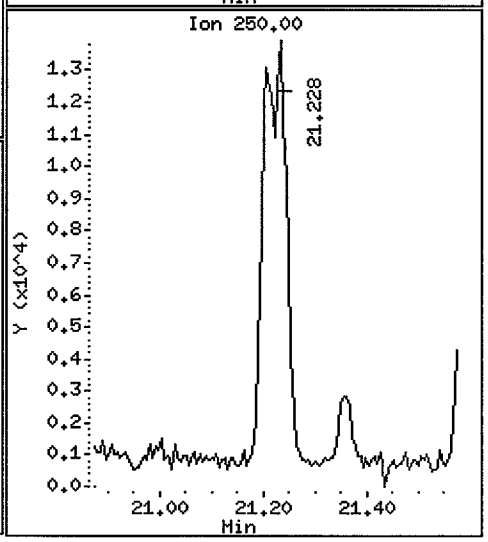












Data File: /chem1/nt6.i/20071018.b/lr71a.d

Date : 18-OCT-2007 14:39

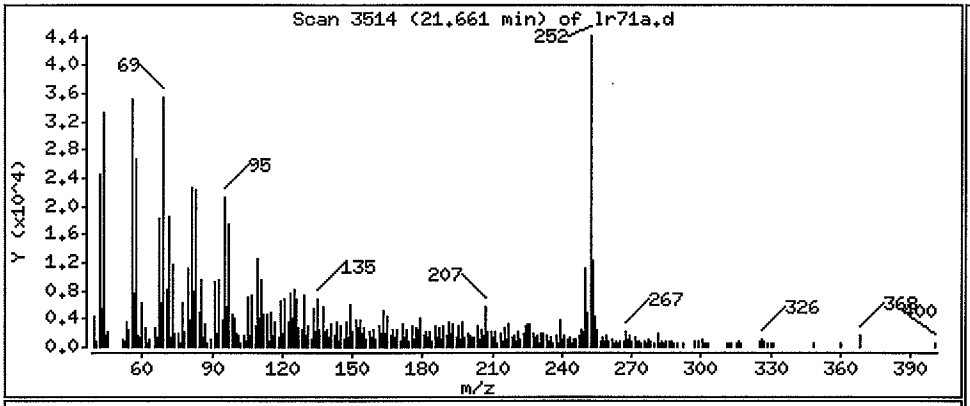
Client ID: AN-SS-01-070927 Instrument: nt6.i

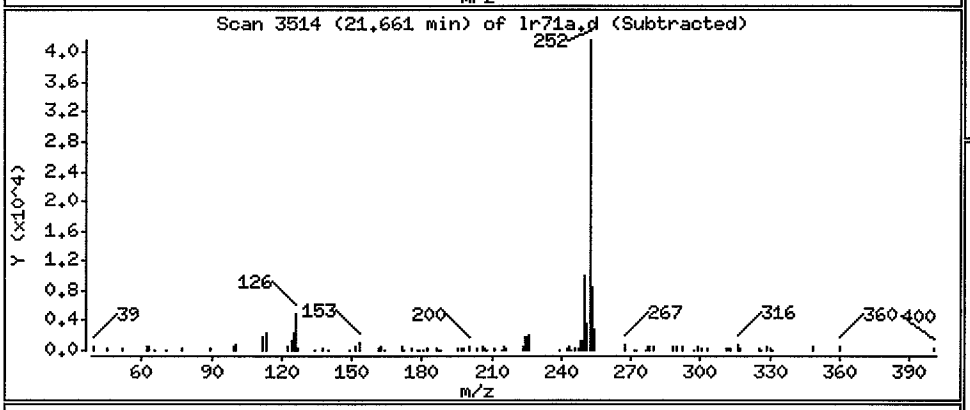
Sample Info: LR71A

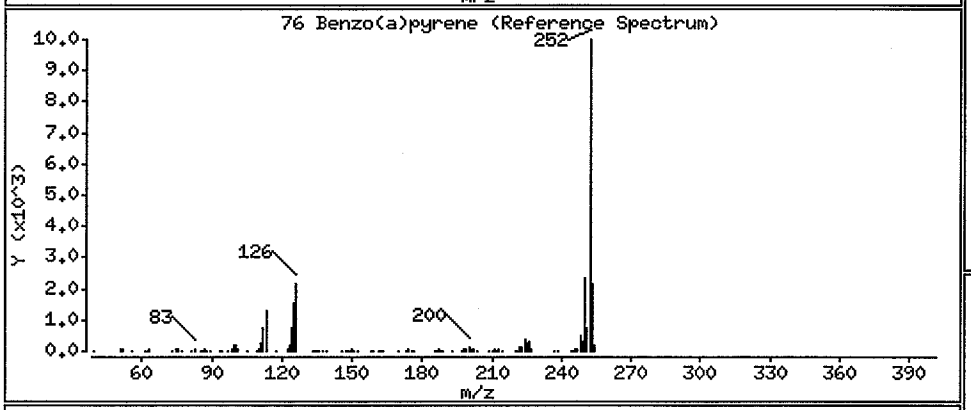
Volume Injected (uL): 1.0 Operator: LJR/VTS

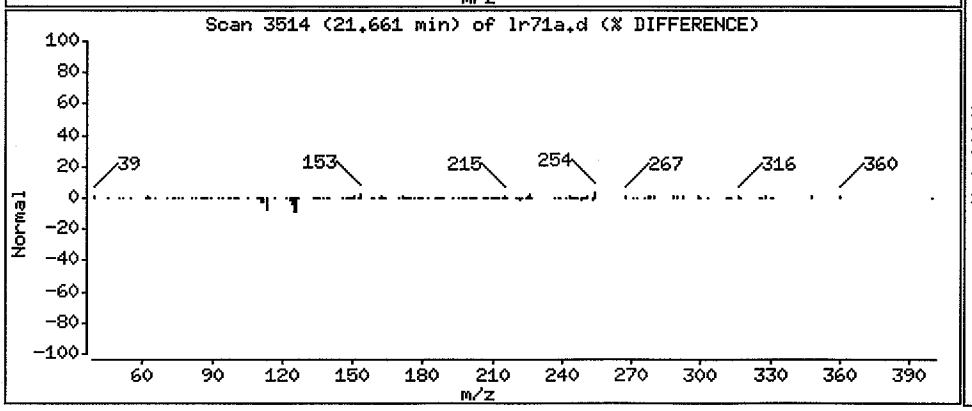
Column phase: ZB-5 Column diameter: 0.32

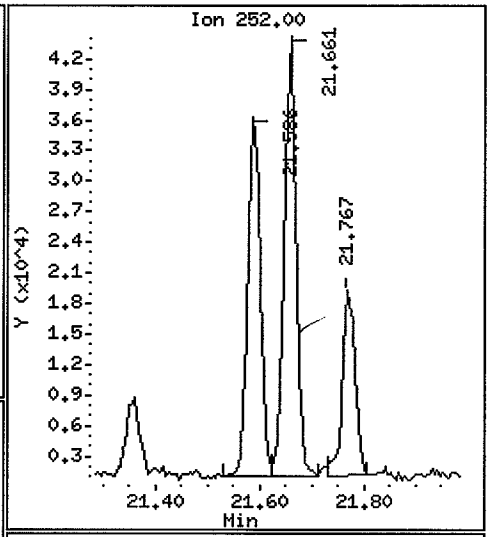
76 Benzo(a)pyrene Concentration: 36.17 ug/kg

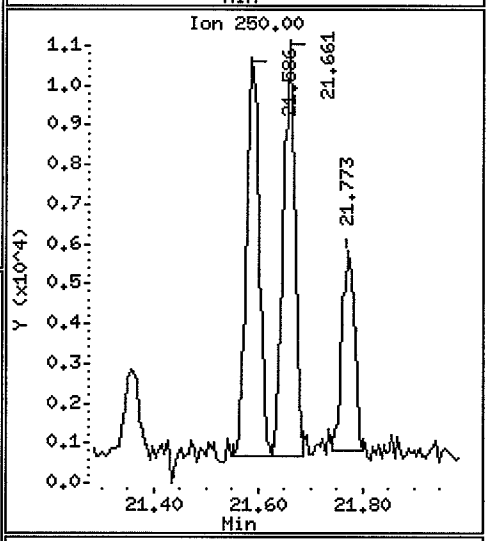


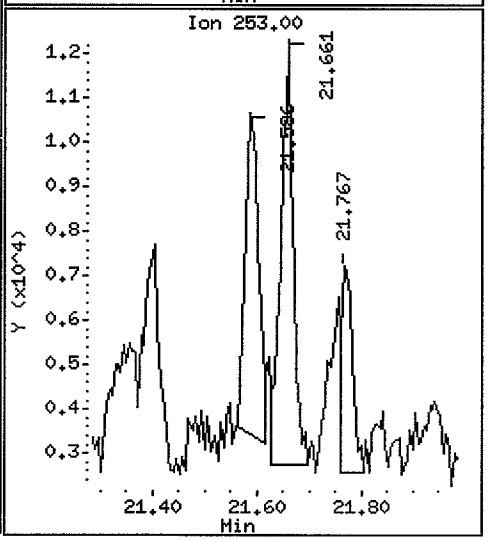












Data File: /chem1/nt6.i/20071018.b/lr71a.d

Date : 18-OCT-2007 14:39

Client ID: AN-SS-01-070927

Instrument: nt6.i

Sample Info: LR71A

Volume Injected (uL): 1.0

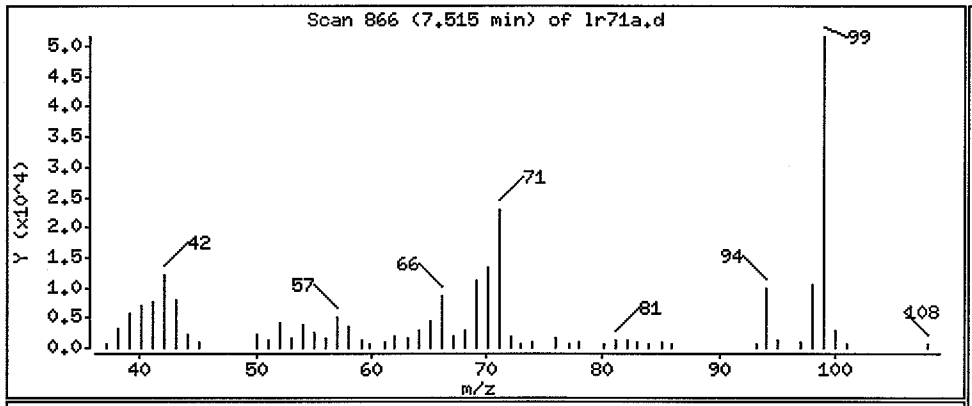
Operator: LJR/VTS

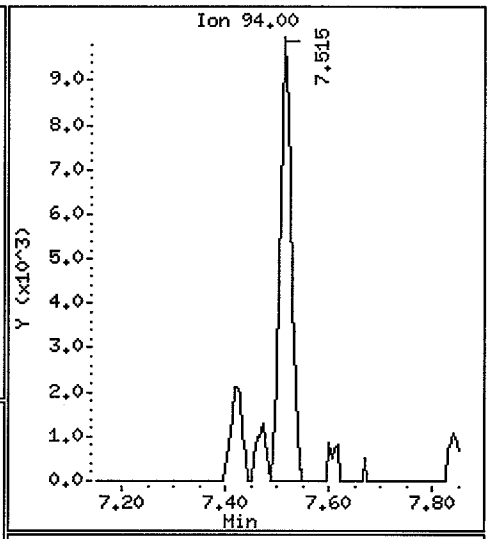
Column phase: ZB-5

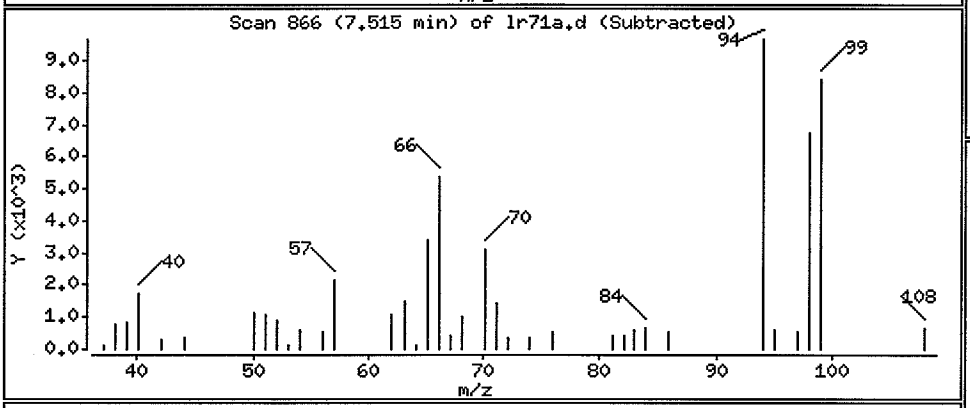
Column diameter: 0.32

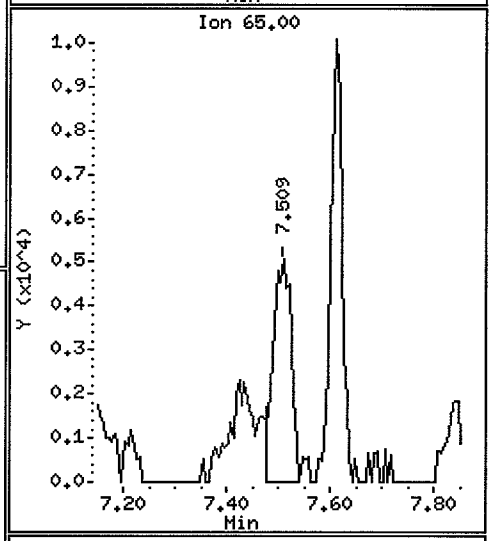
3 Phenol

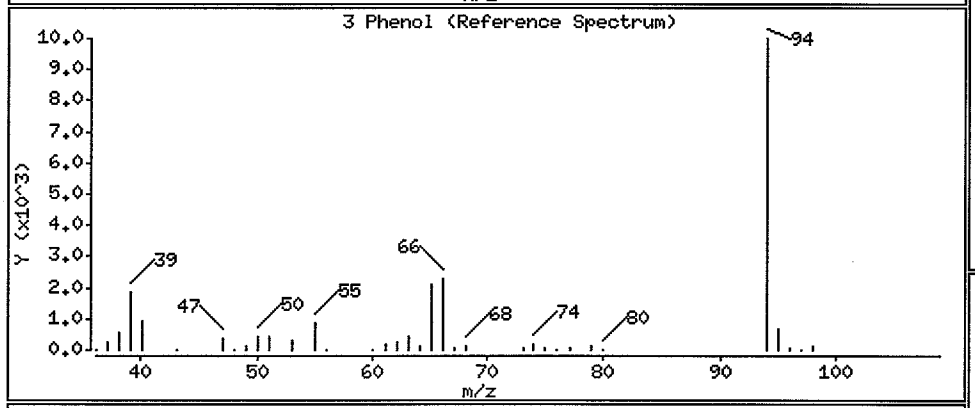
Concentration: 13.74 ug/kg

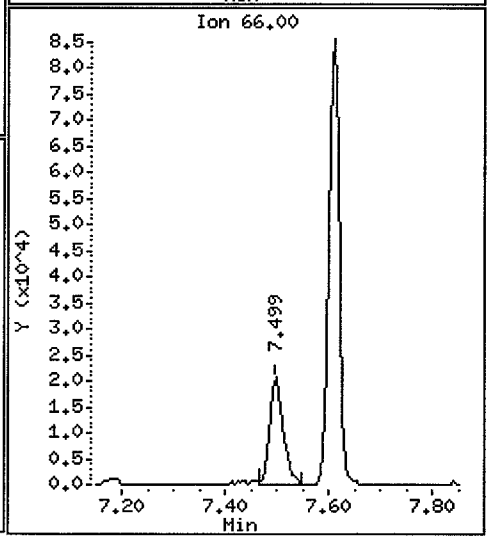


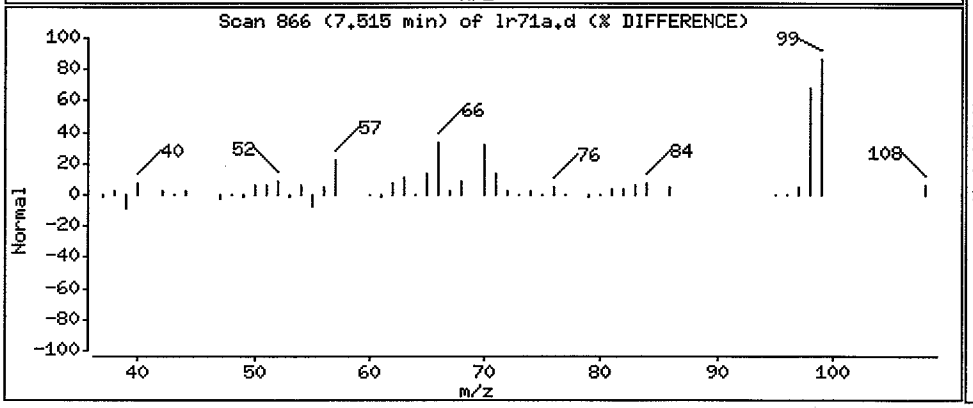












Data File: /chem1/nt6.i/20071018.b/lr71a.d

Date : 18-OCT-2007 14:39

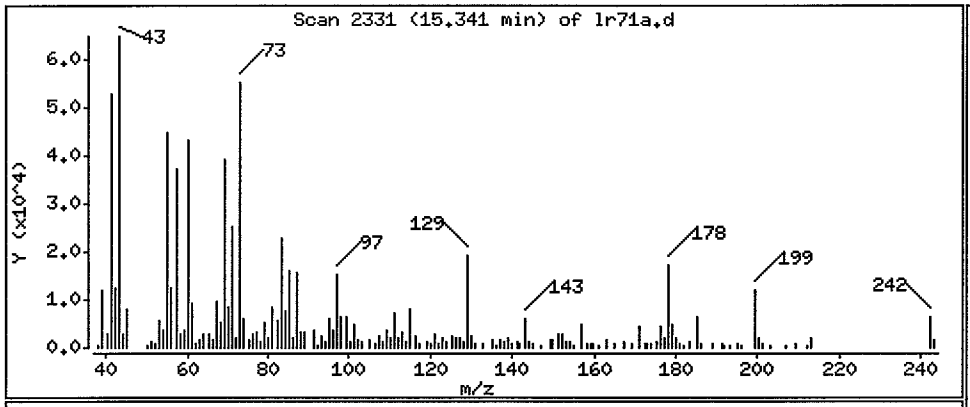
Client ID: AN-SS-01-070927 Instrument: nt6.i

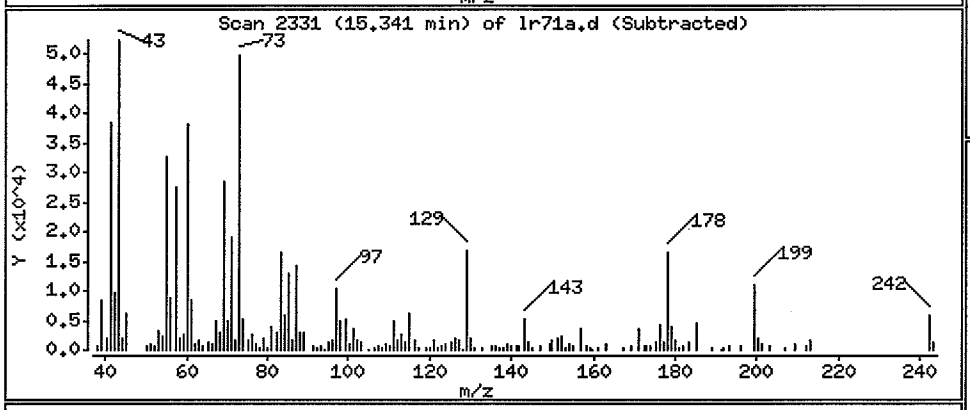
Sample Info: LR71A

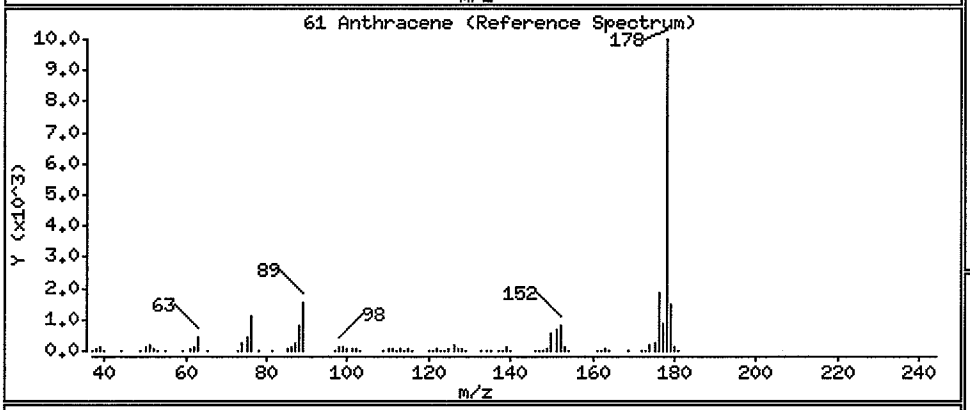
Volume Injected (uL): 1.0 Operator: LJR/VTS

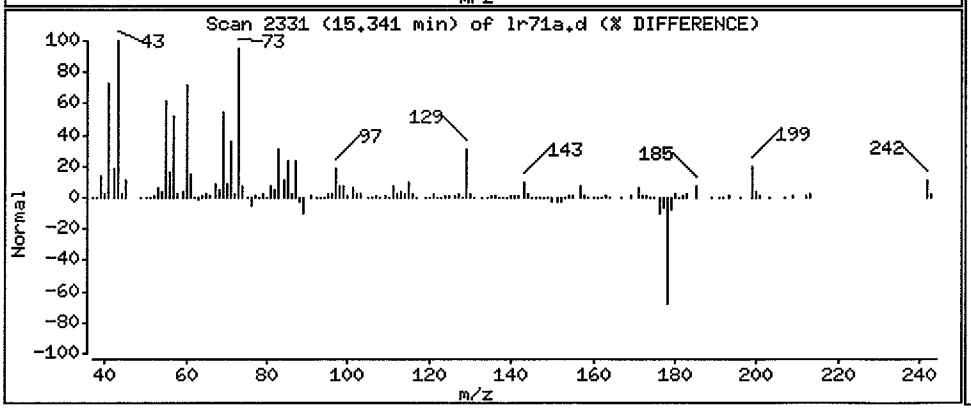
Column phase: ZB-5 Column diameter: 0.32

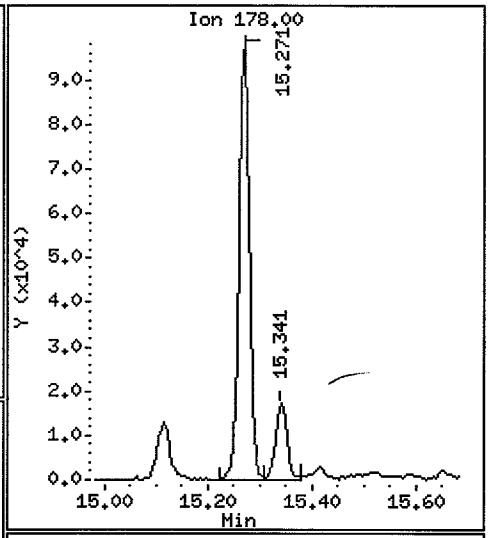
61 Anthracene Concentration: 12.32 ug/kg

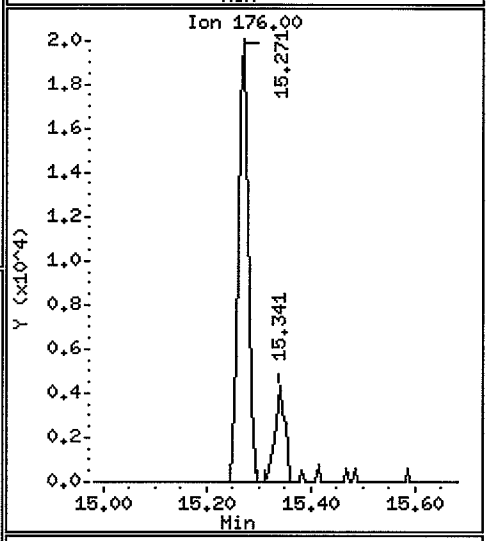


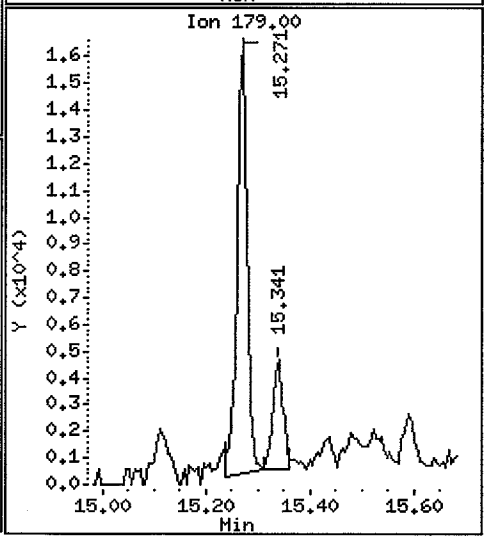












Data File: /chem1/nt6.i/20071018.b/lr71a.d

Date : 18-OCT-2007 14:39

Client ID: AN-SS-01-070927

Instrument: nt6.i

Sample Info: LR71A

Volume Injected (uL): 1.0

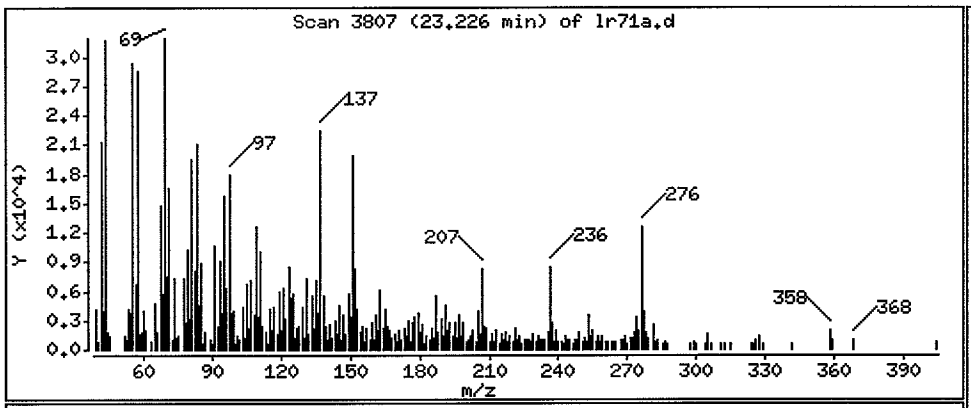
Operator: LJR/VTS

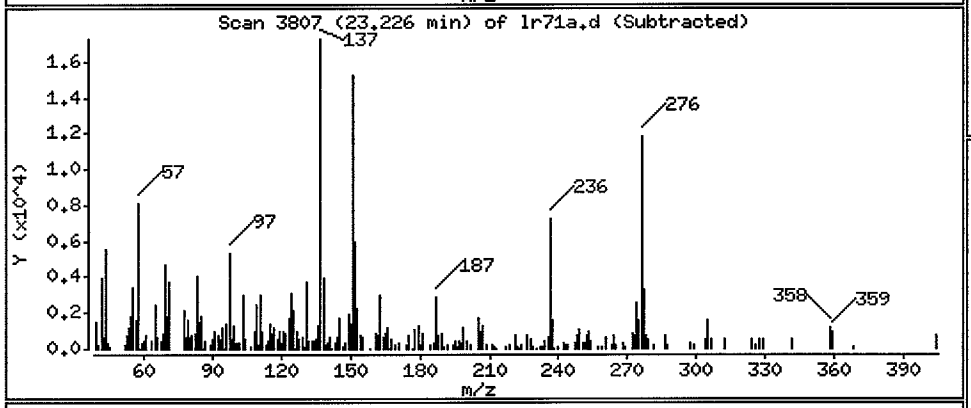
Column phase: ZB-5

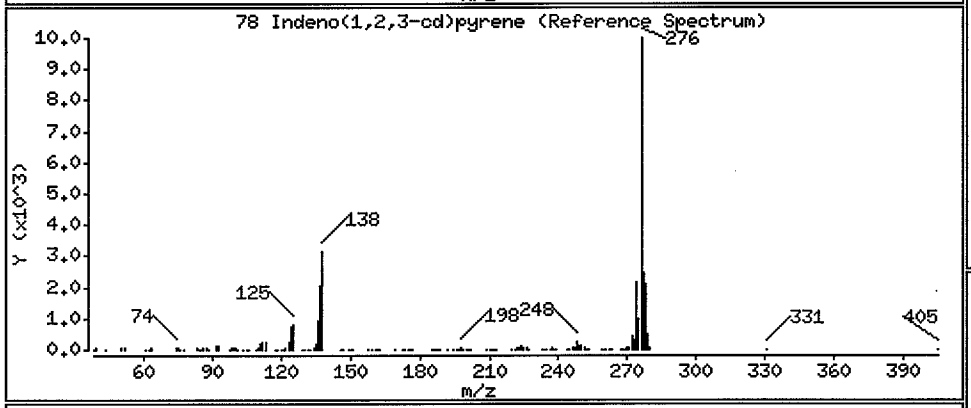
Column diameter: 0.32

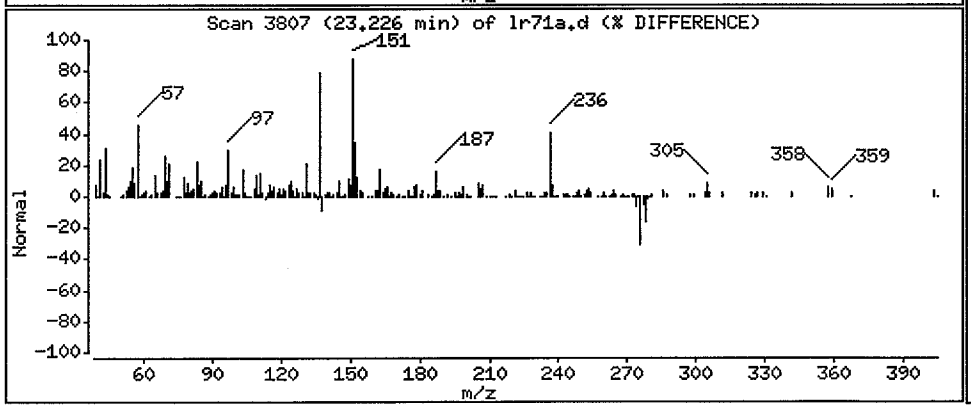
78 Indeno(1,2,3-cd)pyrene

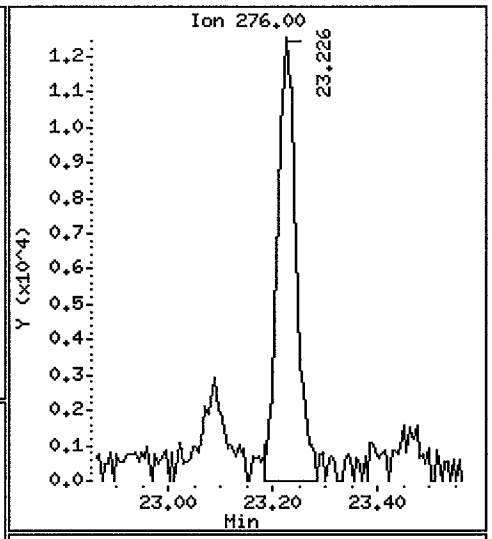
Concentration: 13.67 ug/kg

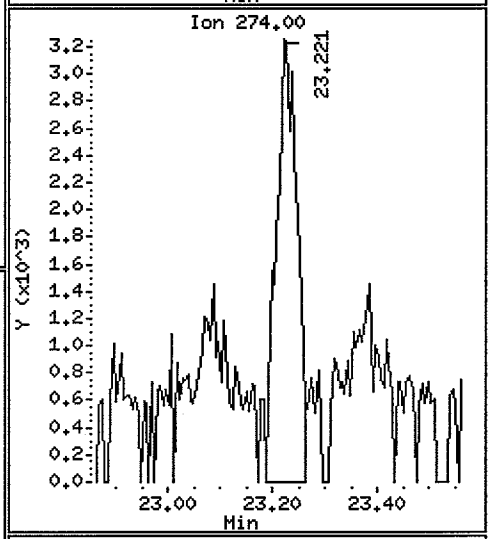


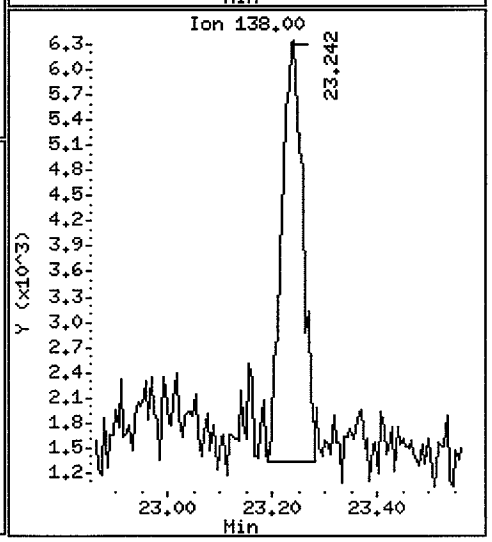












Data File: /chem1/nt6.i/20071018.b/lr71a.d

Date : 18-OCT-2007 14:39

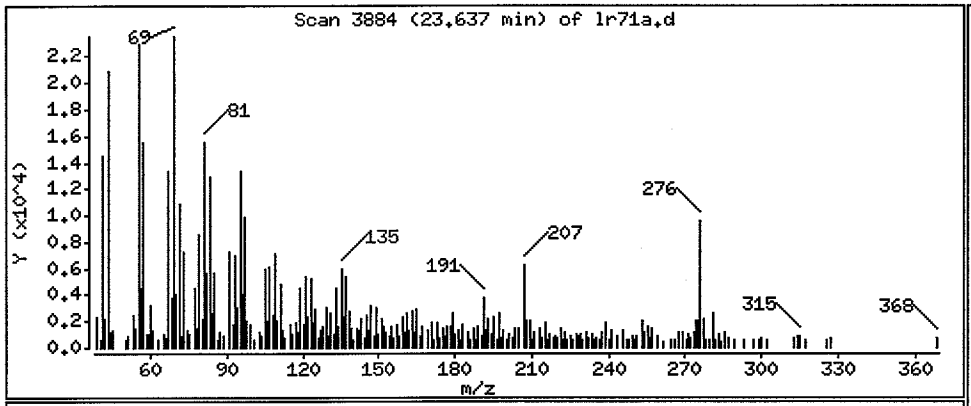
Client ID: AN-SS-01-070927 Instrument: nt6.i

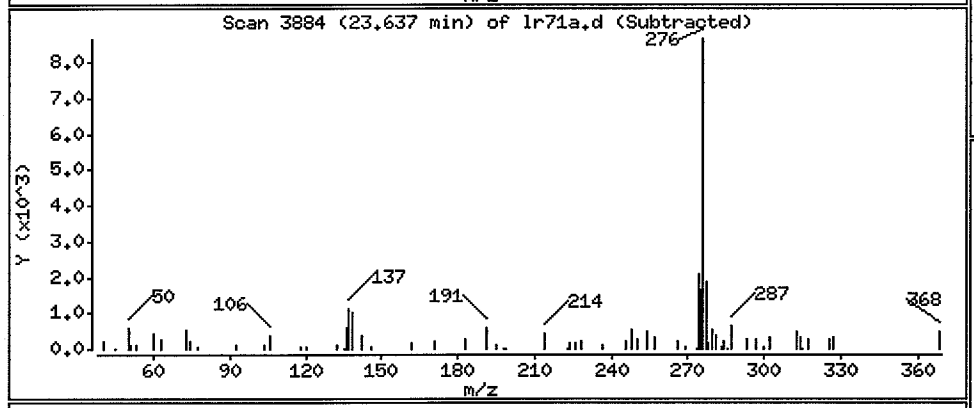
Sample Info: LR71A

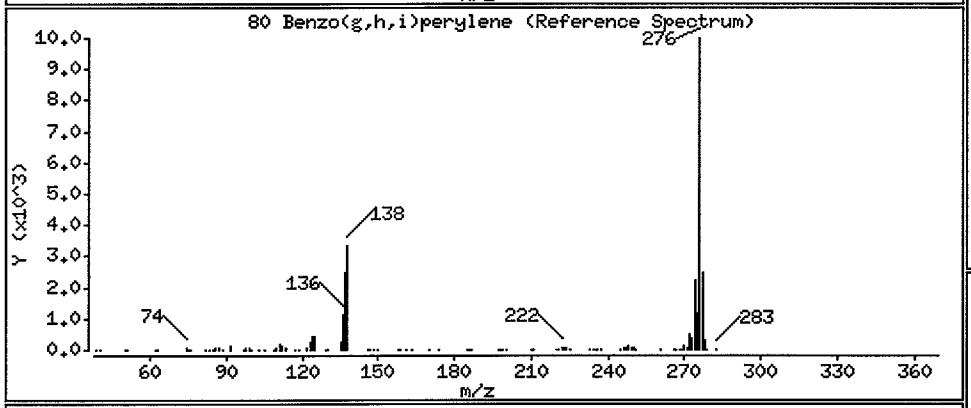
Volume Injected (uL): 1.0 Operator: LJR/VTS

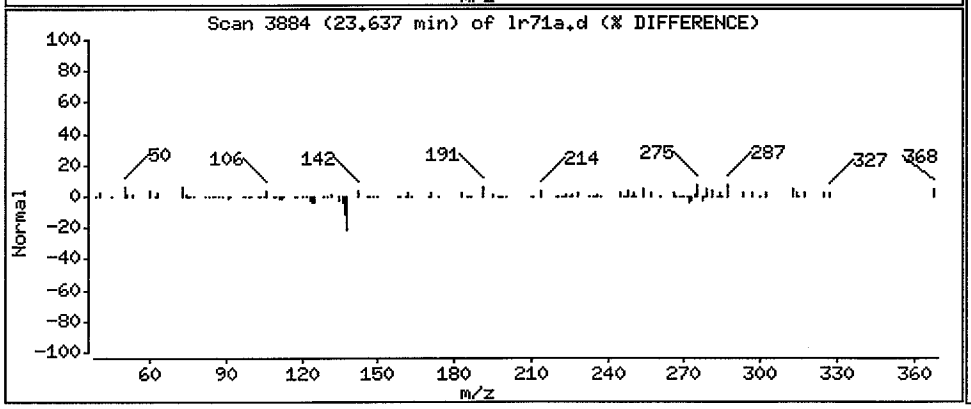
Column phase: ZB-5 Column diameter: 0.32

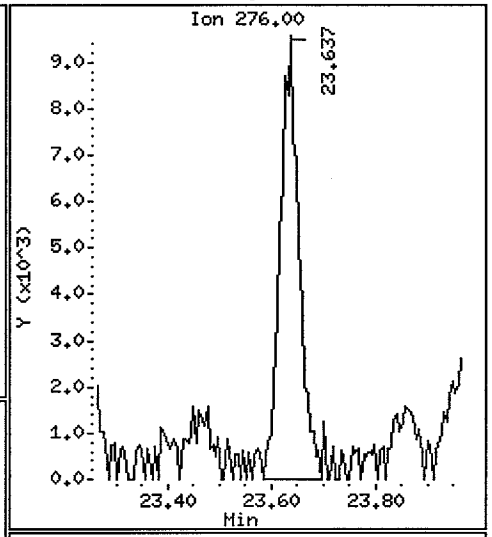
80 Benzo(g,h,i)perylene Concentration: 10.67 ug/kg

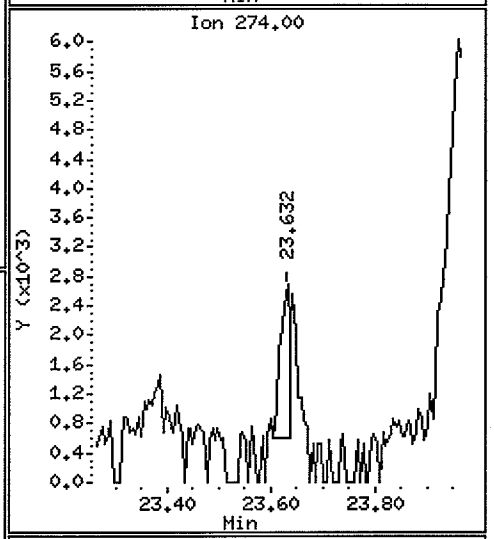


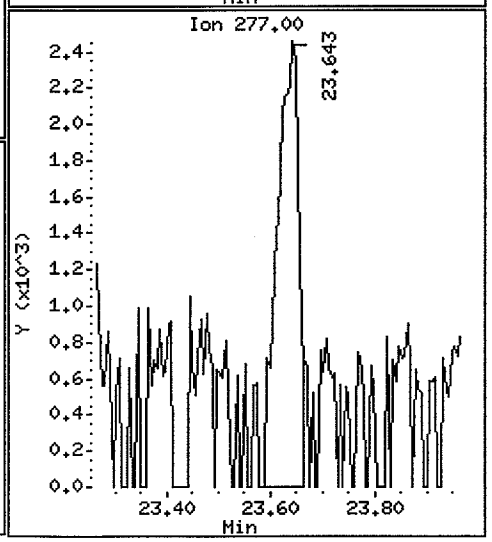












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS
Page 1 of 2

Sample ID: AN-SS-01-070927
REEXTRACT

Lab Sample ID: LR71A
LIMS ID: 07-20766
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 16:39
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 51.5%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**49**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**110**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	**Naphthalene**	**20**	**100**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**90**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**180**
129-00-0	**Pyrene**	**20**	**120**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**26**
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**40**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**30**
207-08-9	**Benzo(k)fluoranthene**	**20**	**34**
50-32-8	**Benzo(a)pyrene**	**20**	**29**
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-01-070927**
Page 2 of 2 **REEXTRACT**

Lab Sample ID: LR71A
LIMS ID: 07-20766
Matrix: Sediment
Date Analyzed: 11/01/07 16:39

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	52.0%	2-Fluorobiphenyl	53.6%
d14-p-Terphenyl	56.0%	d4-1,2-Dichlorobenzene	48.4%
d5-Phenol	55.7%	2-Fluorophenol	44.3%
2,4,6-Tribromophenol	56.5%	d4-2-Chlorophenol	54.4%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071101.b/lr71a2.d
Lab Smp Id: LR71ARE
Inj Date : 01-NOV-2007 16:39
Operator : VTS Inst ID: nt4.i
Smp Info : LR71ARE
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt4.i/20071101.b/SW846.m
Meth Date : 02-Nov-2007 11:41 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 11:04 Cal File: 0801001.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJK 11/2/07

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	25.00000	Weight of sample extracted (g)
M	0.00000	% 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	4.830	4.748	(0.708)	210117	16.5621	331.2
$	2 Phenol-d5	99	6.502	6.489	(0.953)	296746	20.8974	417.9
	3 Phenol	94	6.518	6.505	(0.955)	41530	2.46257	49.25
$	5 2-Chlorophenol-d4	132	6.534	6.521	(0.958)	214369	20.3515	407.0
	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	6.822	6.820	(1.000)	149931	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	7.121	7.114	(1.044)	82247	12.1352	242.7
	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	7.688	7.686	(1.127)	61729	5.44355	108.9
$	18 Nitrobenzene-d5	82	7.773	7.771	(0.876)	191761	12.9741	259.5
	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	8.724	8.813	(0.984)	72864	7.72161 LOL	154.4 (M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.868	8.872	(1.000)	560313	20.0000	
	28 Naphthalene	128	8.895	8.899	(1.003)	176848	5.14107	102.8
	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	10.011	10.015	(1.129)	9490	0.54156 LOL	10.83
	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	10.674	10.677	(0.914)	275399	13.3897	267.8
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	11.422	11.431	(0.978)	22728	0.78017 LOL	15.60
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.678	11.682	(1.000)	297876	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	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	12.528	12.537	(1.073)	12586	0.58560 LOL	11.71
	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	12.955	12.953	(1.109)	54390	21.2110	424.2
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.997	14.000	(1.000)	435451	20.0000	
	60 Phenanthrene	178	14.029	14.032	(1.002)	137515	4.56928	91.39
	61 Anthracene	178	14.104	14.102	(1.008)	24604	0.80849 LOL	16.17
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
63	Di-n-butylphthalate	149	Compound Not Detected.					
64	Fluoranthene	202	15.936	15.923	(1.139)	295303	9.06323	181.3
65	Pyrene	202	16.272	16.260	(0.892)	234243	5.81447	116.3
$ 66	Terphenyl-d14	244	16.646	16.634	(0.913)	326709	14.0478	281.0
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	18.212	18.199	(0.999)	49666	1.32936	26.59
* 69	Chrysene-d12	240	18.238	18.221	(1.000)	502690	20.0000	(M)
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	18.270	18.258	(1.002)	73813	2.00850	40.17
72	bis(2-Ethylhexyl)phthalate	149	18.596	18.578	(0.953)	23606	0.99399 LDL	19.88
* 134	Di-n-octylphthalate-d4	153	19.520	19.503	(1.000)	753759	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	19.846	19.818	(0.975)	52104	1.52703	30.54(M)
75	Benzo(k)fluoranthene	252	19.857	19.850	(0.976)	62065	1.72187	34.44(M)
76	Benzo(a)pyrene	252	20.268	20.245	(0.996)	44333	1.45893	29.18
* 77	Perylene-d12	264	20.354	20.325	(1.000)	501155	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.679	21.661	(1.065)	28206	0.84448 LDL	16.89(MH)
79	Dibenzo(a,h)anthracene	278	Compound Not Detected.					
80	Benzo(g,h,i)perylene	276	22.010	21.944	(1.081)	21818	0.72521	14.50(MH)
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.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: lr71a2.d
Lab Smp Id: LR71ARE
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

Calibration Date: 01-NOV-2007
Calibration Time: 14:35

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	145384	72692	290768	149931	3.13
27 Naphthalene-d8	530525	265262	1061050	560313	5.61
42 Acenaphthene-d10	280701	140350	561402	297876	6.12
59 Phenanthrene-d10	391934	195967	783868	435451	11.10
69 Chrysene-d12	354658	177329	709316	502690	41.74
134 Di-n-octylphthala	506314	253157	1012628	753759	48.87
77 Perylene-d12	400782	200391	801564	501155	25.04

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.82	6.32	7.32	6.82	0.03
27 Naphthalene-d8	8.87	8.37	9.37	8.87	-0.04
42 Acenaphthene-d10	11.68	11.18	12.18	11.68	-0.03
59 Phenanthrene-d10	14.00	13.50	14.50	14.00	-0.03
69 Chrysene-d12	18.22	17.72	18.72	18.24	0.10
134 Di-n-octylphthala	19.50	19.00	20.00	19.52	0.09
77 Perylene-d12	20.33	19.83	20.83	20.35	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.

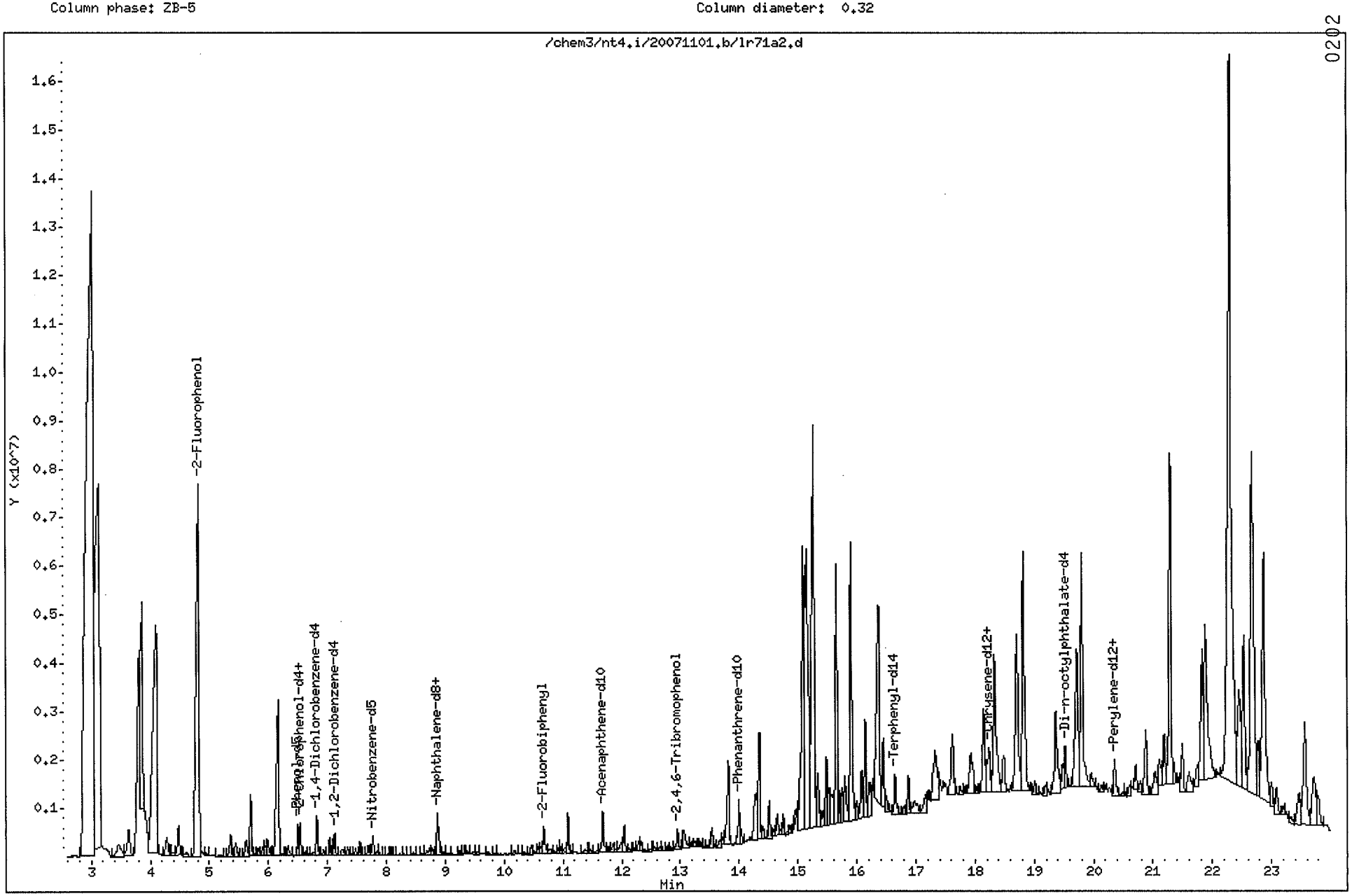
RECOVERY REPORT

Client Name:
Client SDG: 20071101
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: LR71ARE
Level: LOW
Operator: VTS
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: PSDDALCS.spk
Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	331.2	44.17	11-84
$ 2 Phenol-d5	750.0	417.9	55.73	25-86
$ 5 2-Chlorophenol-d4	750.0	407.0	54.27	23-91
$ 10 1,2-Dichlorobenzen	500.0	242.7	48.54	24-90
$ 18 Nitrobenzene-d5	500.0	259.5	51.90	26-88
$ 36 2-Fluorobiphenyl	500.0	267.8	53.56	34-91
$ 55 2,4,6-Tribromophen	750.0	424.2	56.56	25-107
$ 66 Terphenyl-d14	500.0	281.0	56.19	22-100

Data File: /chem3/nt4.i/20071101.b/lr71a2.d
Date : 01-NOV-2007 16:39
Client ID:
Sample Info: LR71ARE
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt4.i
Operator: VTS
Column diameter: 0.32



Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

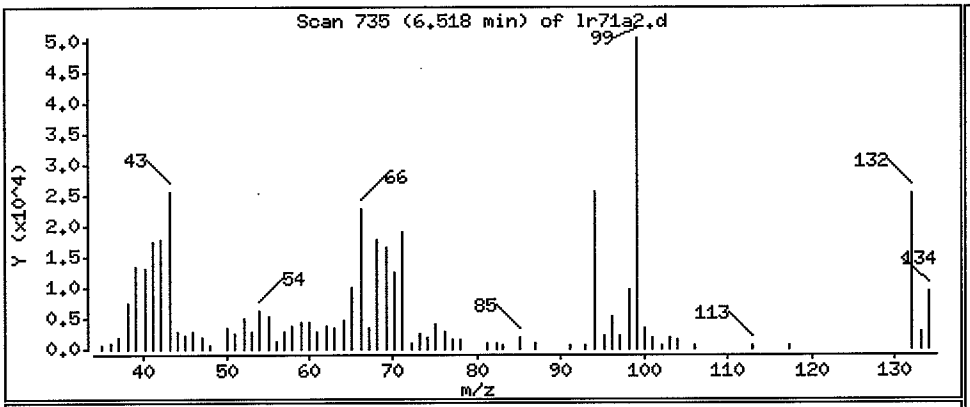
Operator: VTS

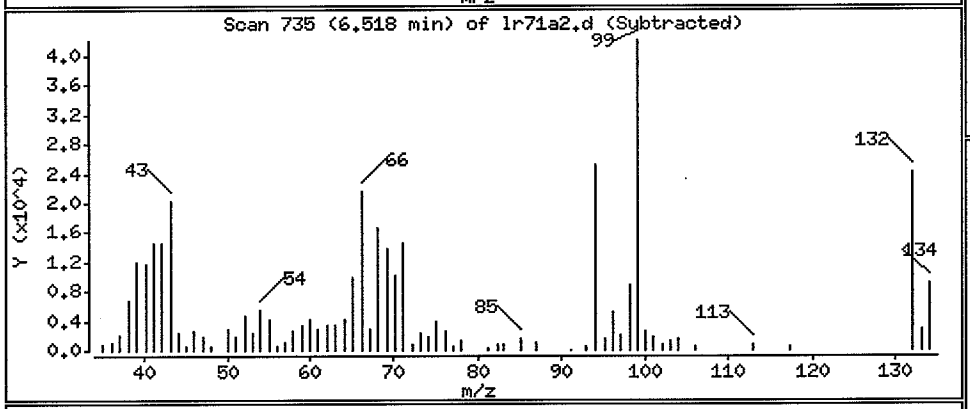
Column phase: ZB-5

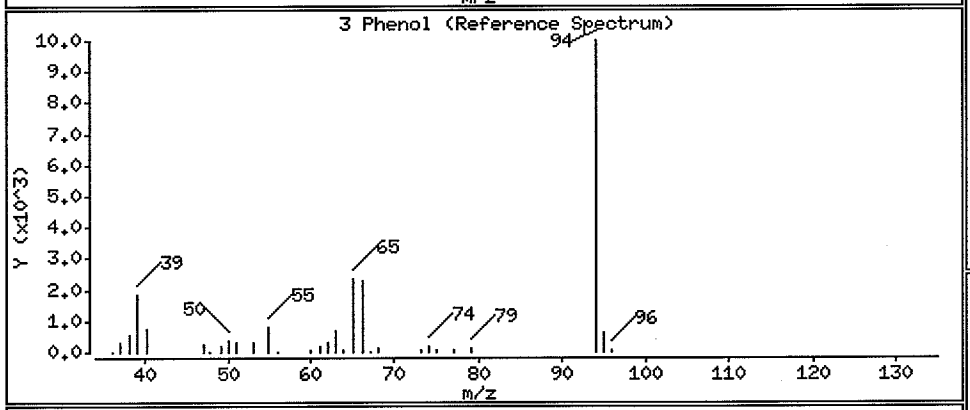
Column diameter: 0.32

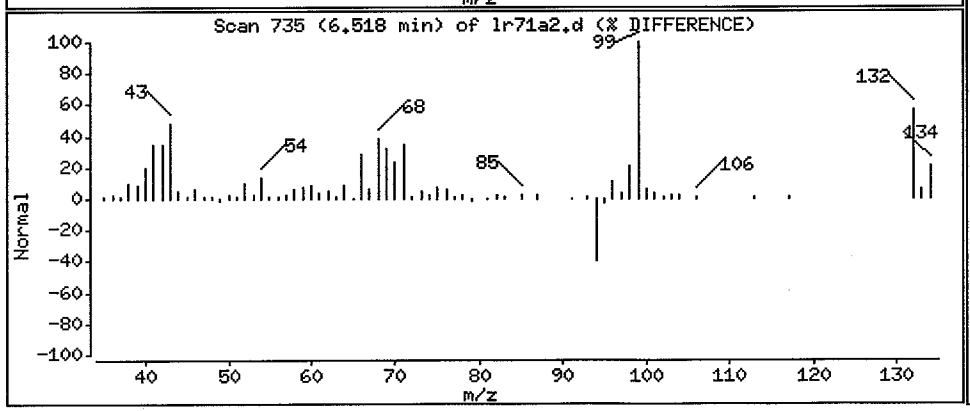
3 Phenol

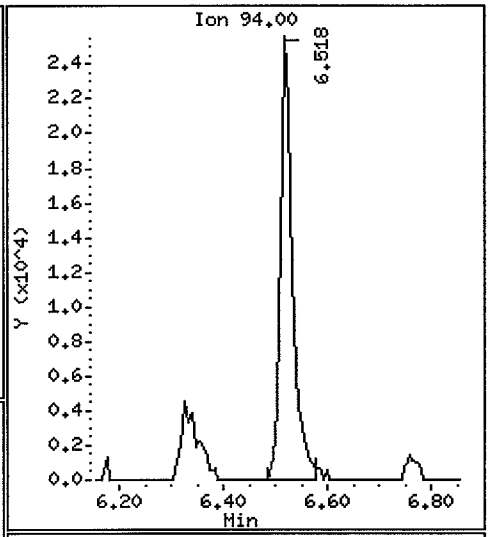
Concentration: 49.25 ug/Kg

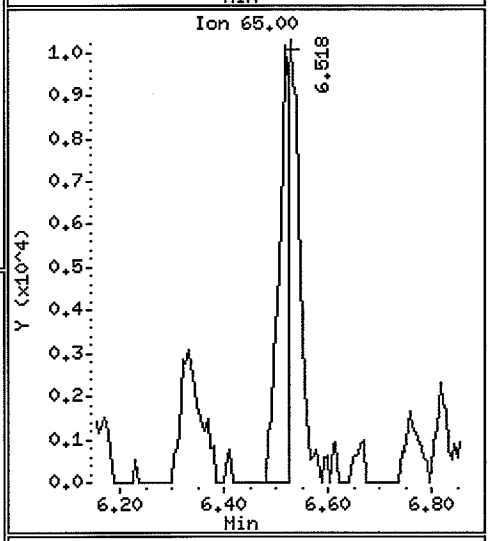


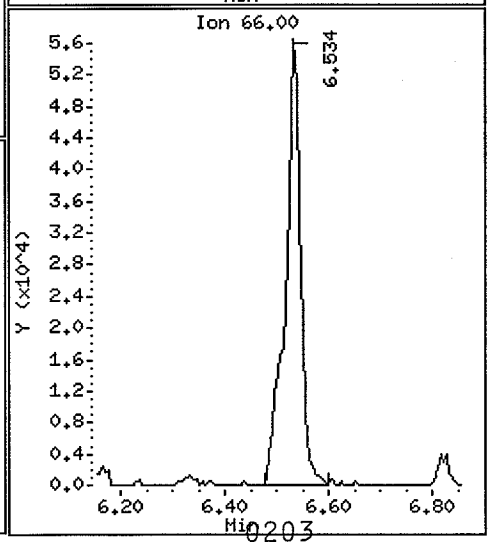












Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

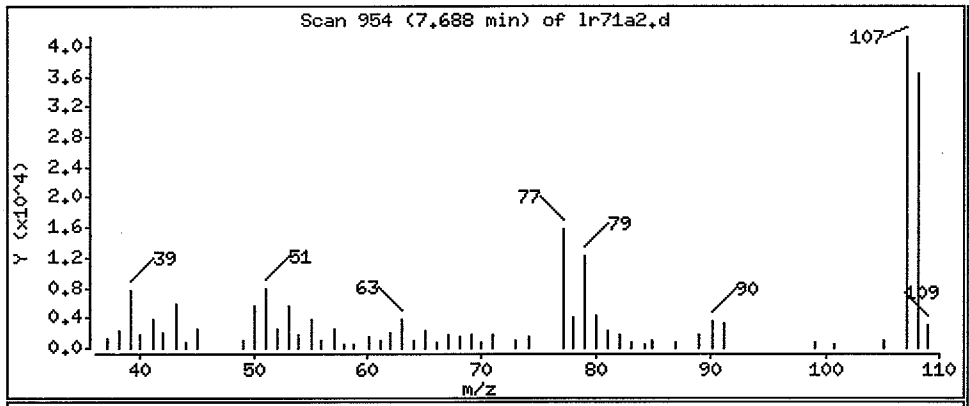
Operator: VTS

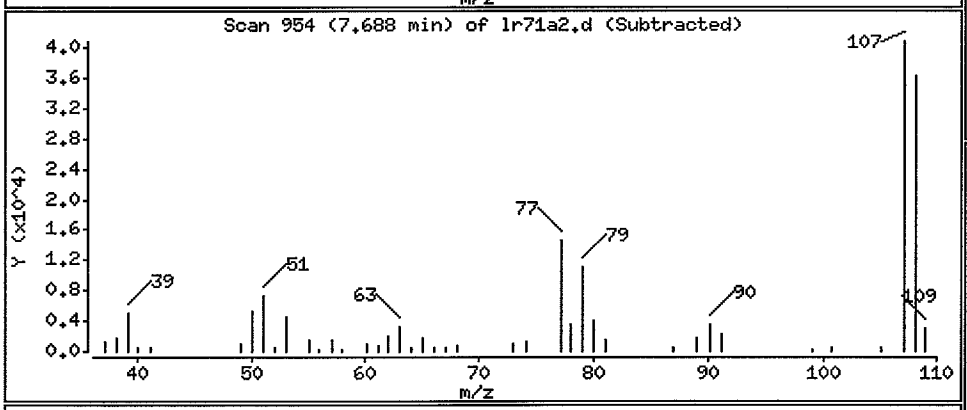
Column phase: ZB-5

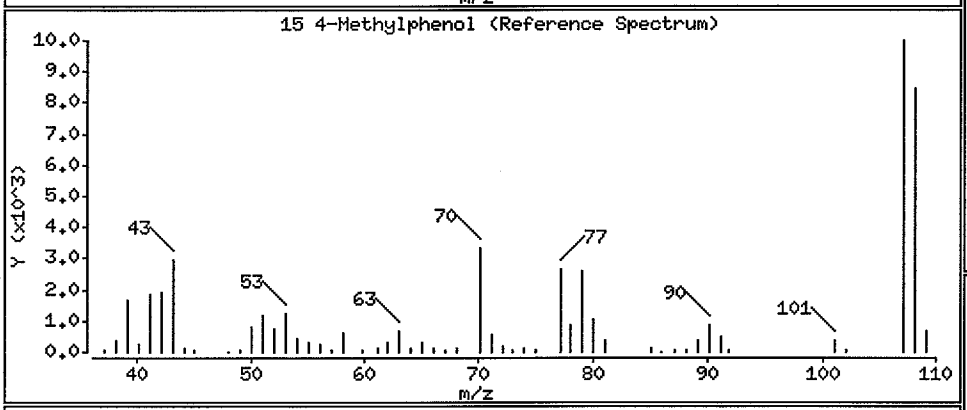
Column diameter: 0.32

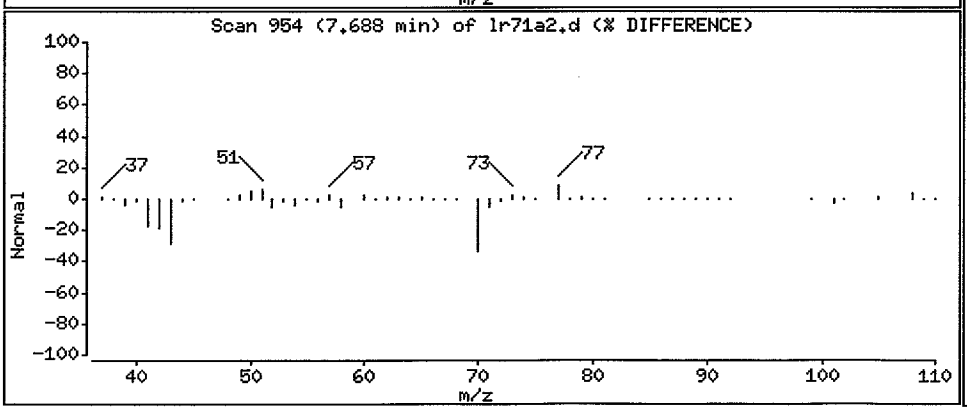
15 4-Methylphenol

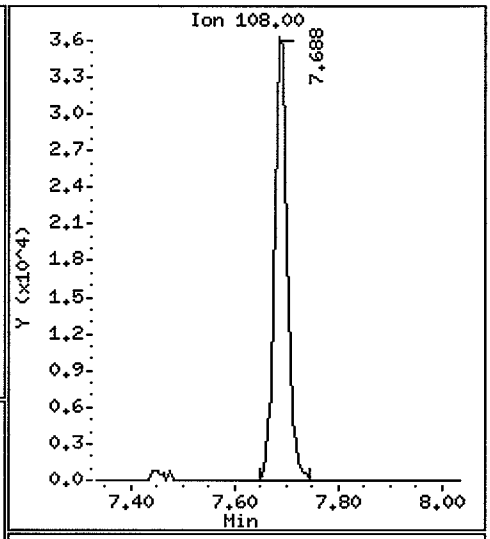
Concentration: 108.9 ug/Kg

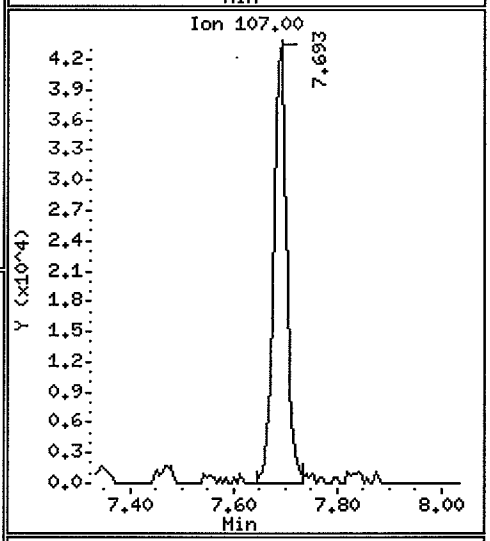


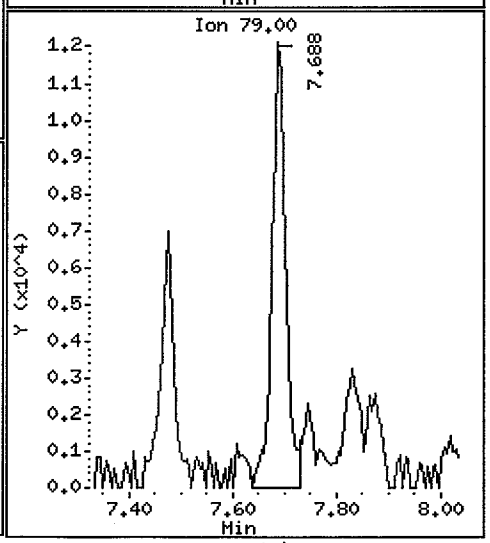












Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

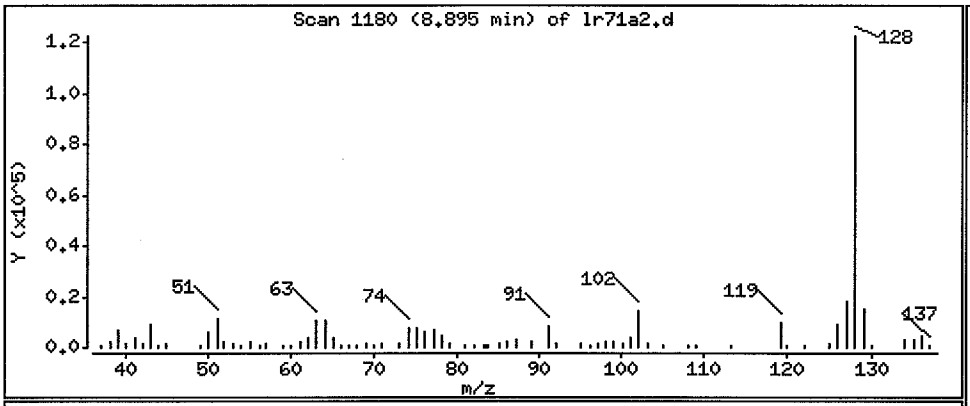
Operator: VTS

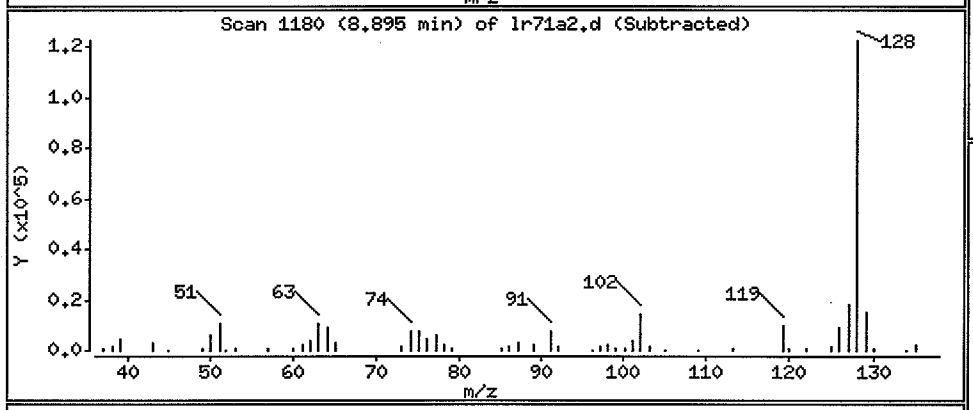
Column phase: ZB-5

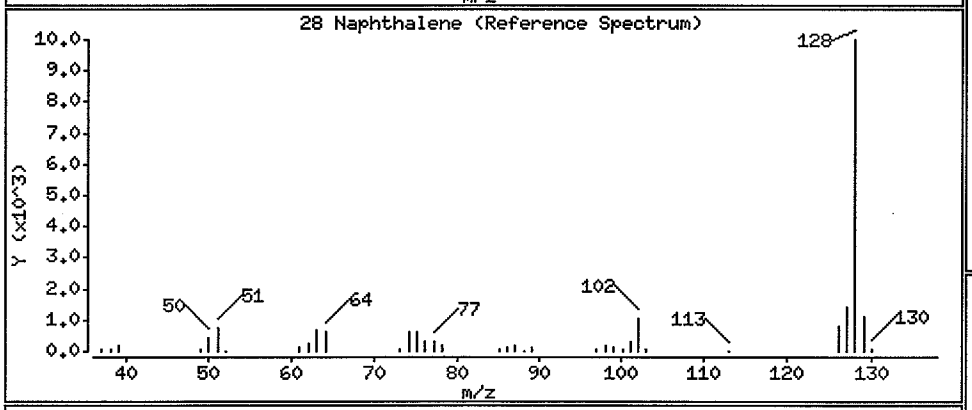
Column diameter: 0.32

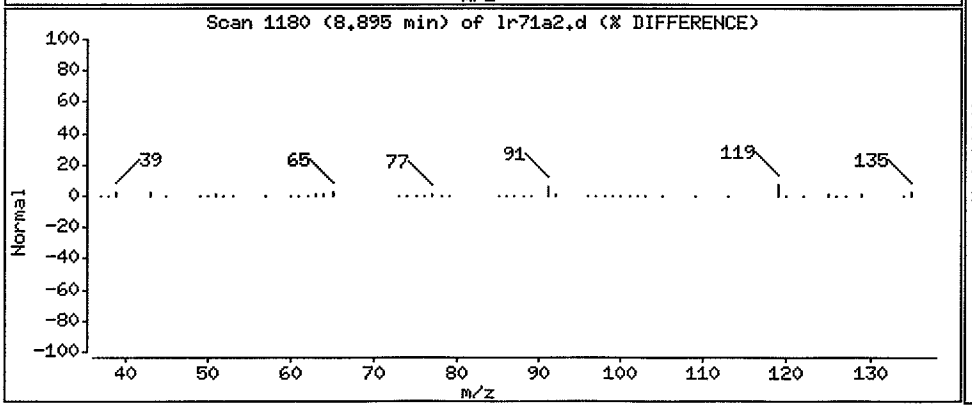
28 Naphthalene

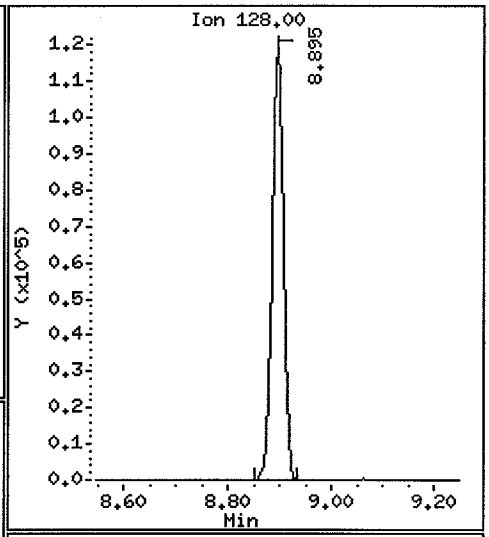
Concentration: 102.8 ug/Kg

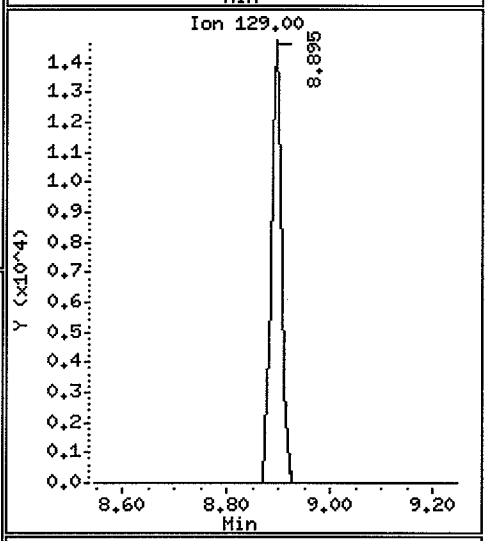


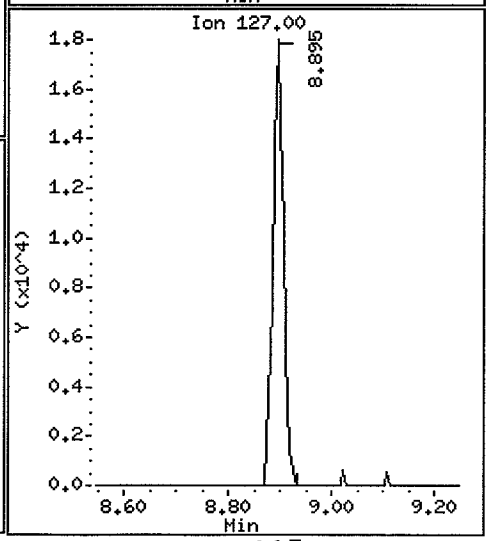












Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

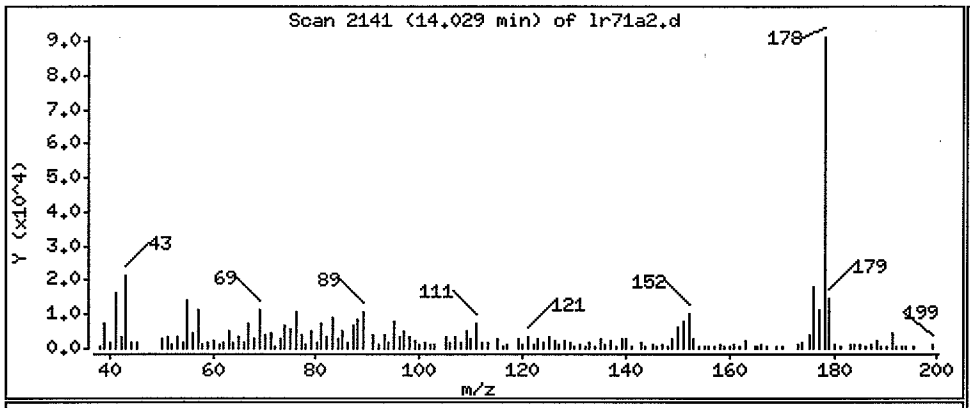
Operator: VTS

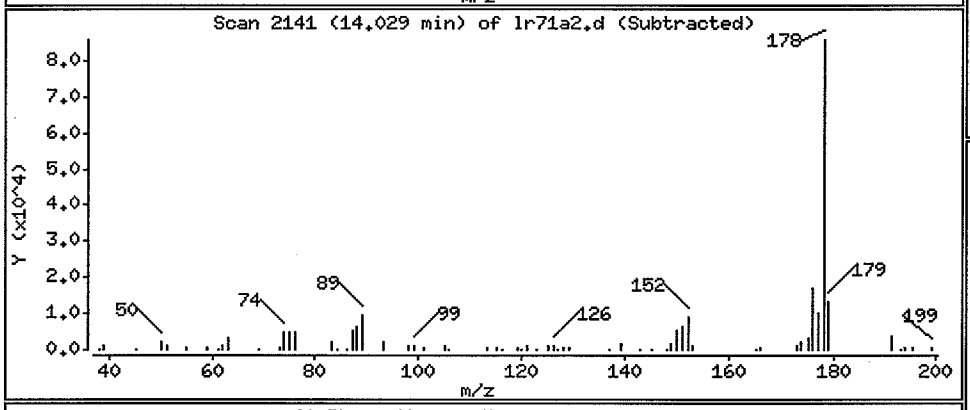
Column phase: ZB-5

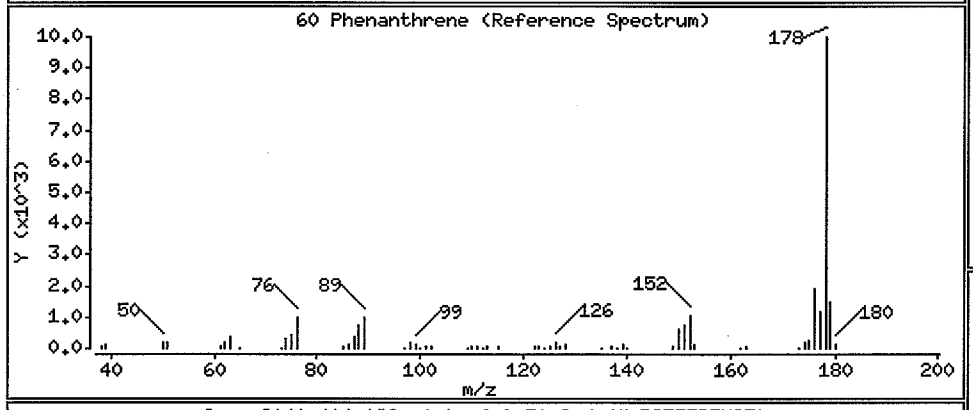
Column diameter: 0.32

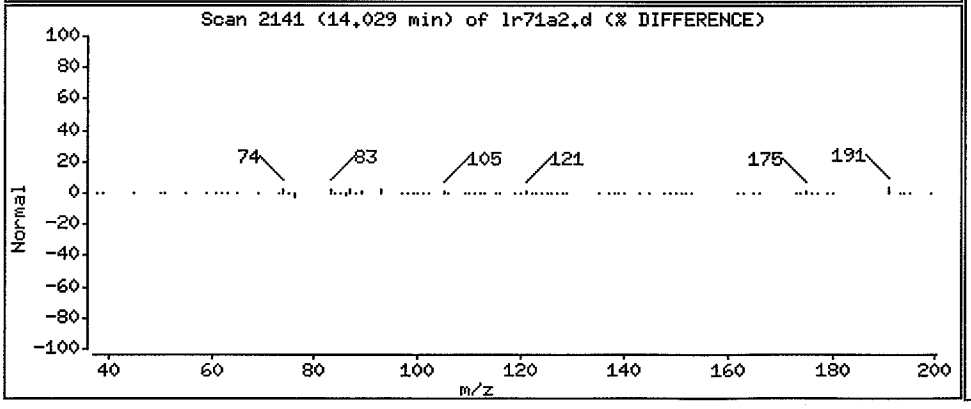
60 Phenanthrene

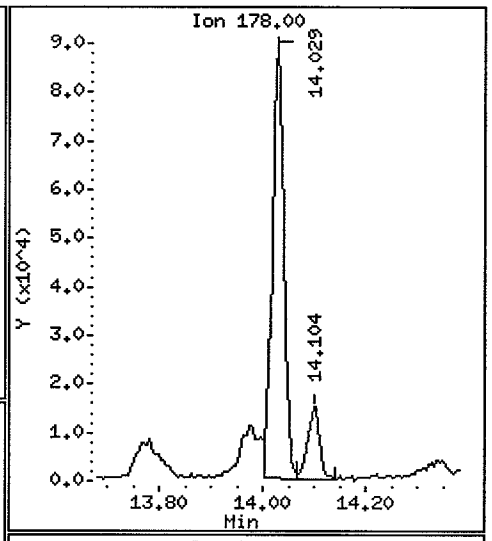
Concentration: 91.39 ug/Kg

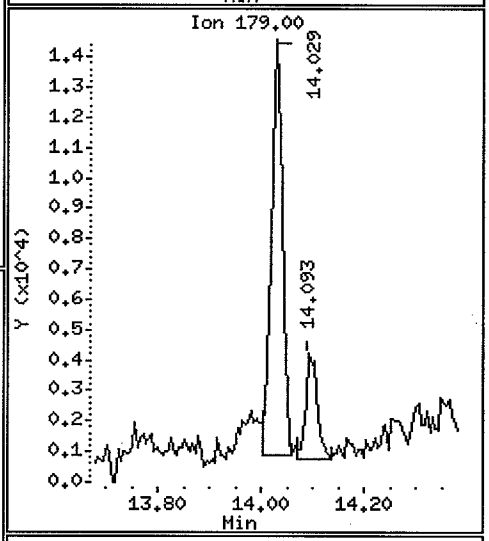


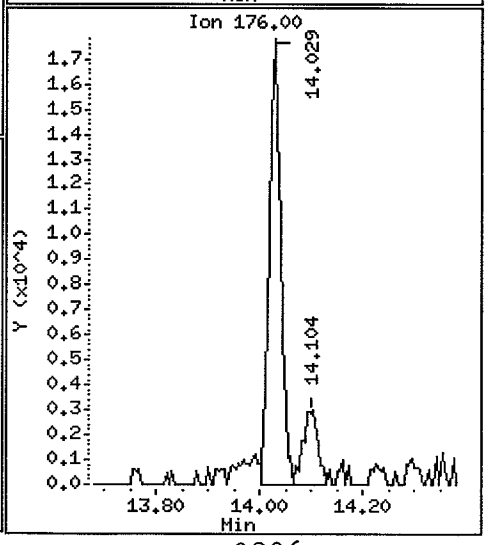












Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

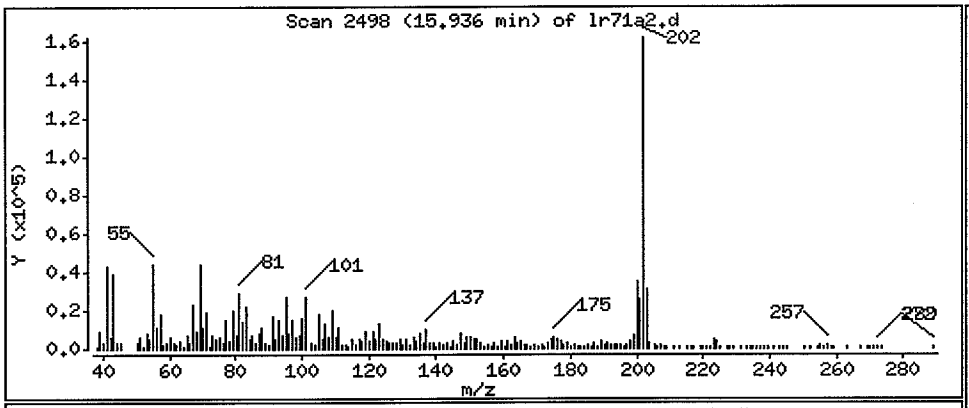
Operator: VTS

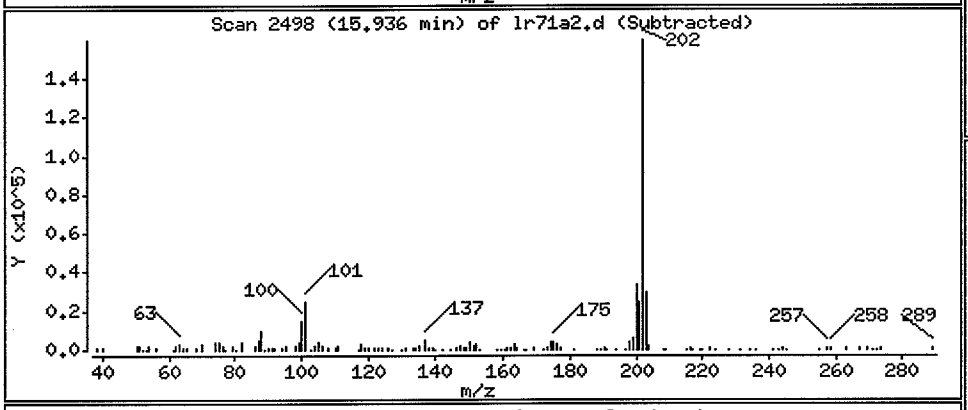
Column phase: ZB-5

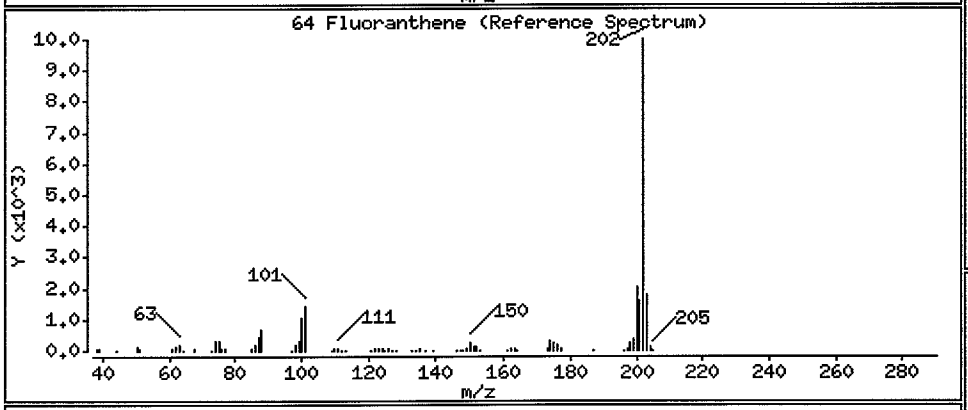
Column diameter: 0.32

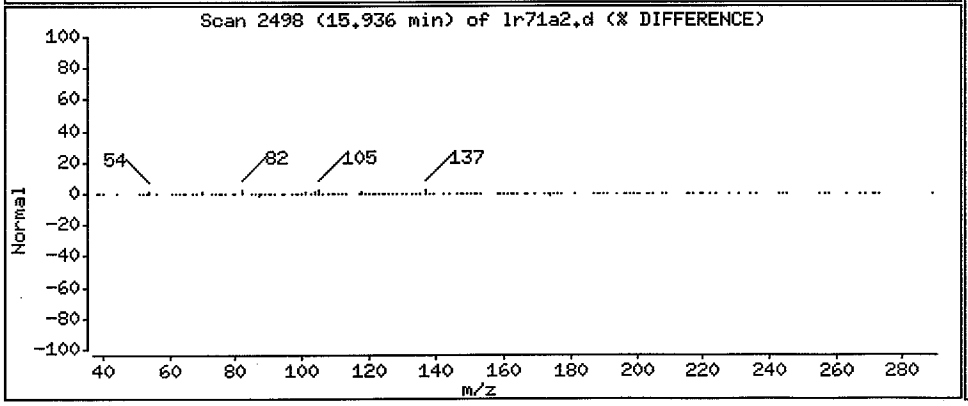
64 Fluoranthene

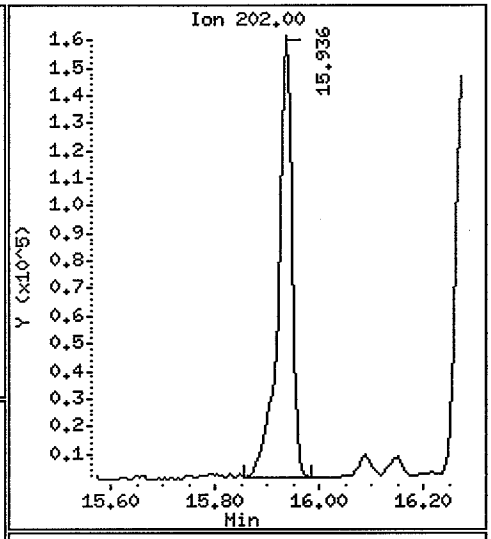
Concentration: 181.3 ug/Kg

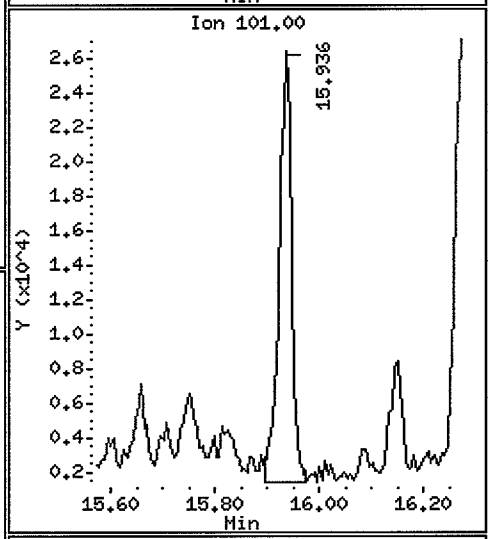


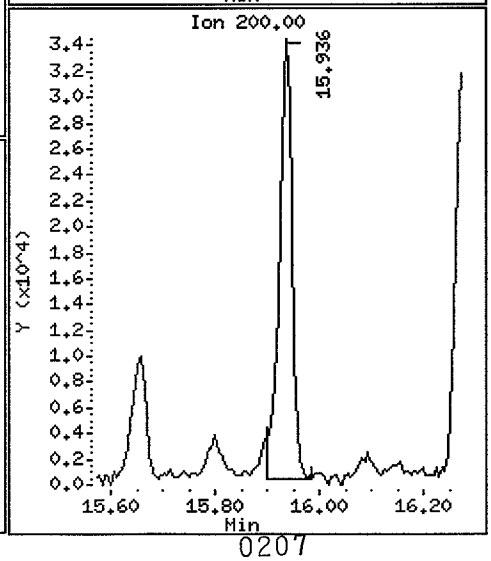












Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

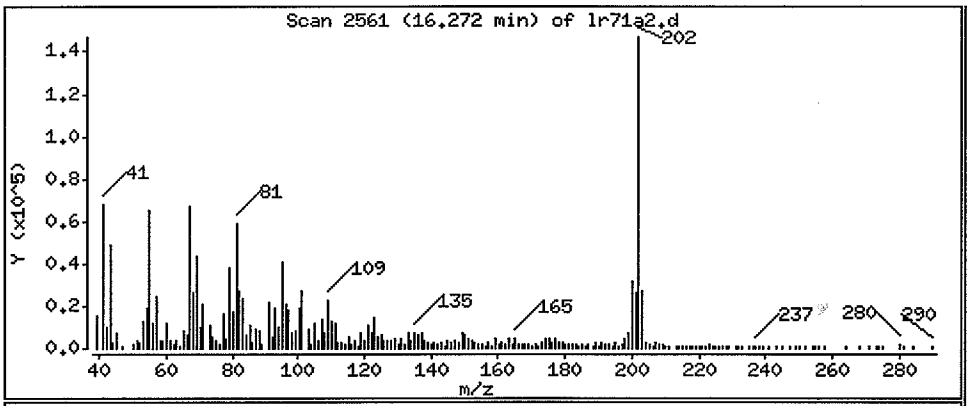
Operator: VTS

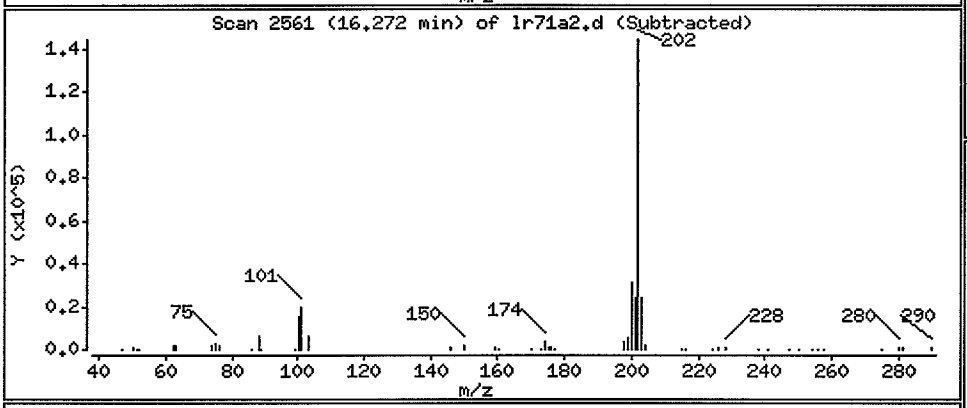
Column phase: ZB-5

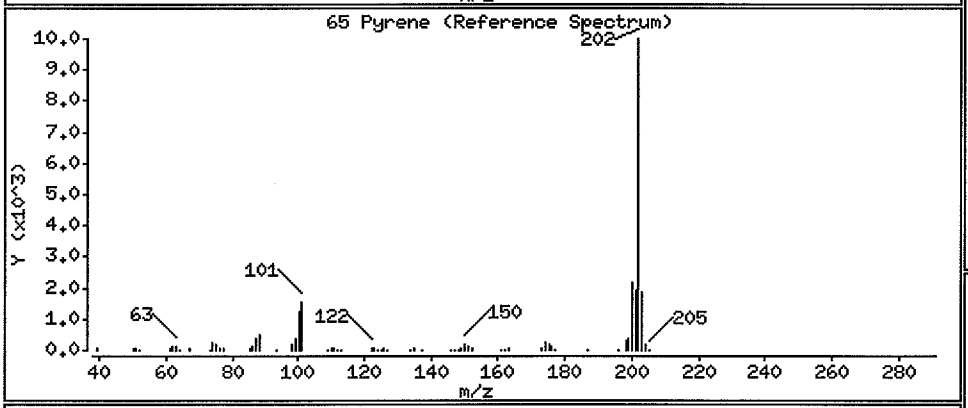
Column diameter: 0.32

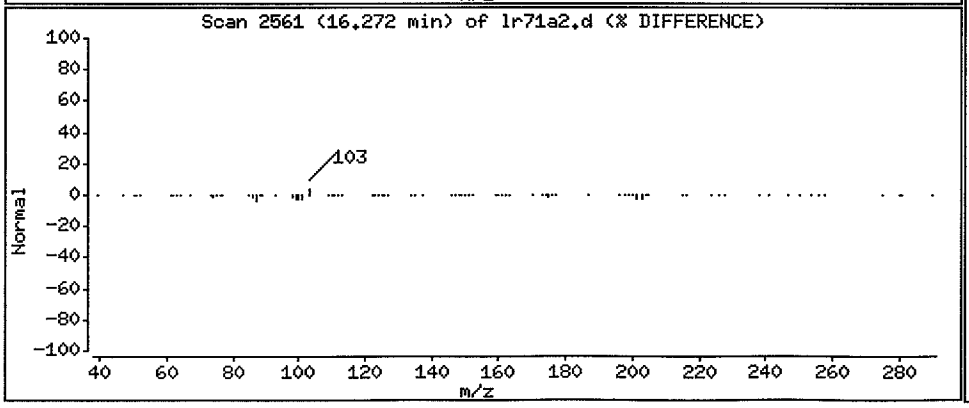
65 Pyrene

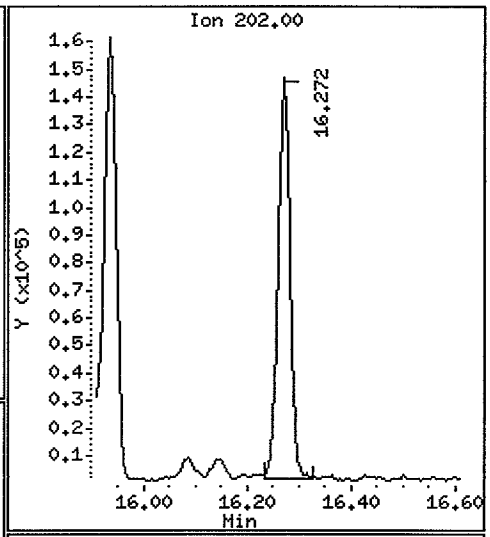
Concentration: 116.3 ug/Kg

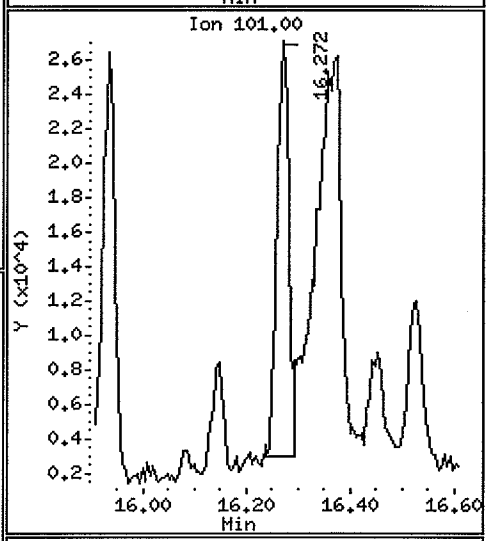


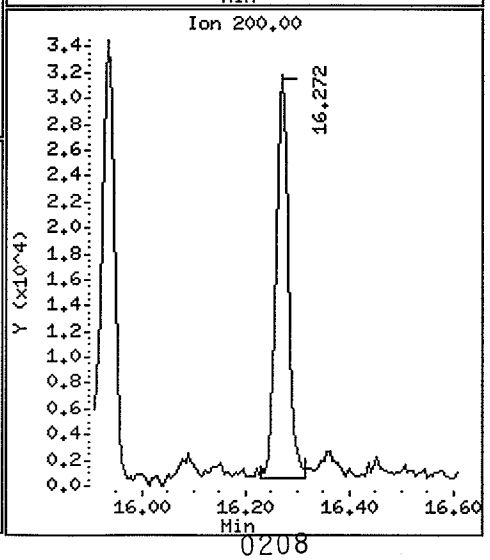












Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

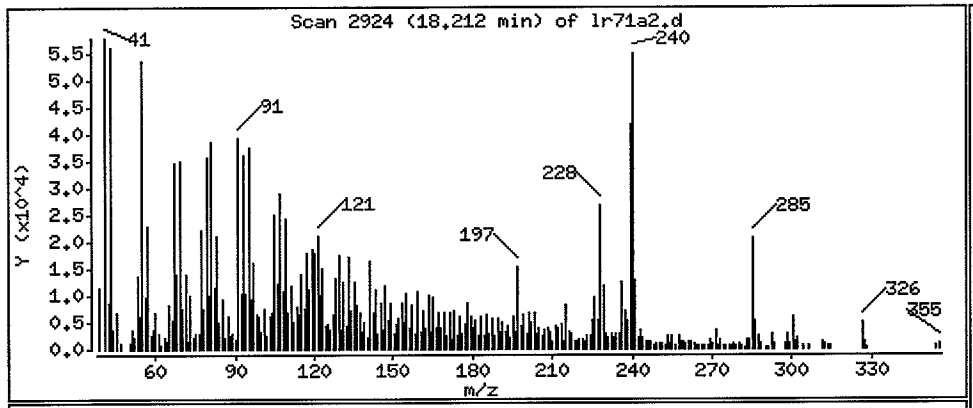
Operator: VTS

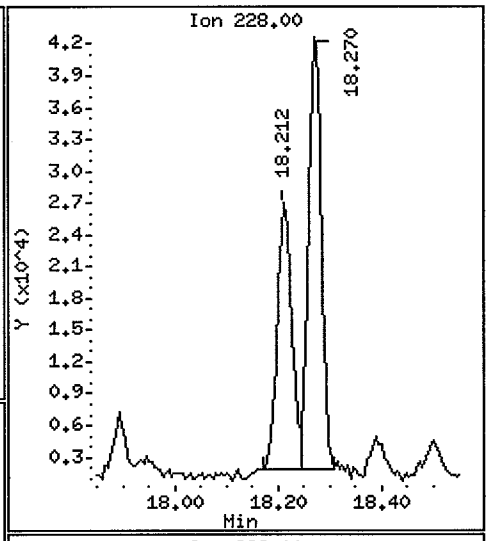
Column phase: ZB-5

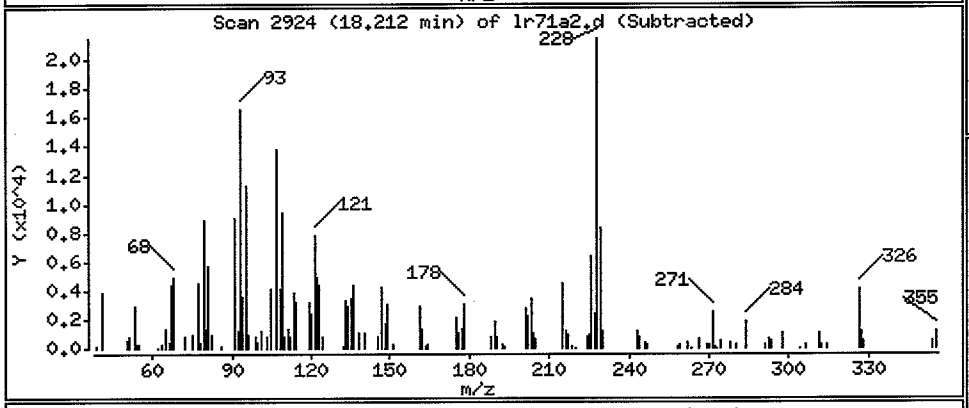
Column diameter: 0.32

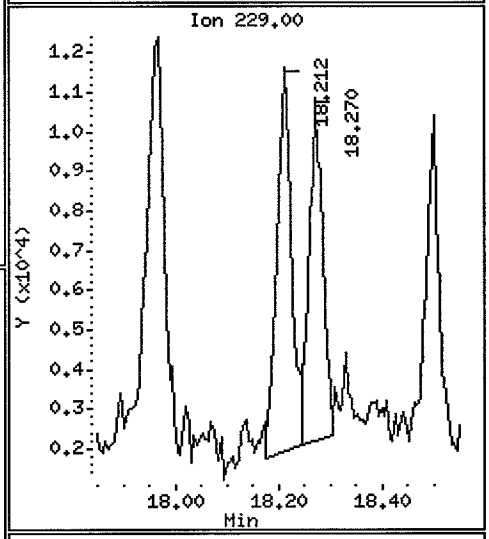
68 Benzo(a)anthracene

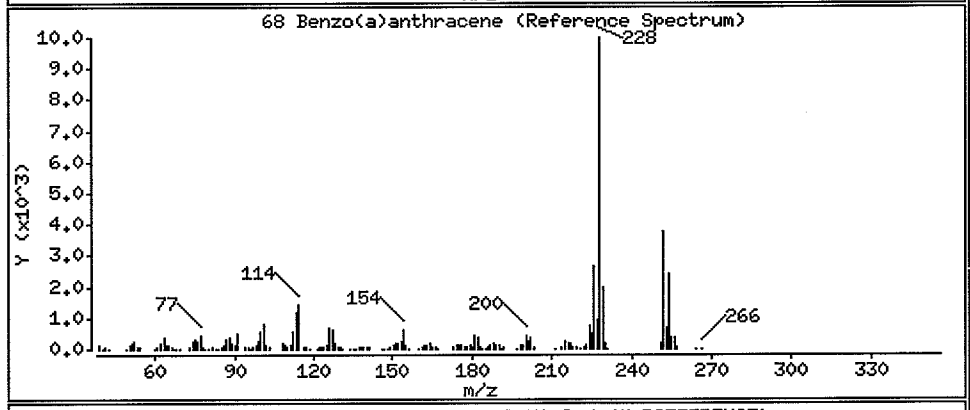
Concentration: 26.59 ug/Kg

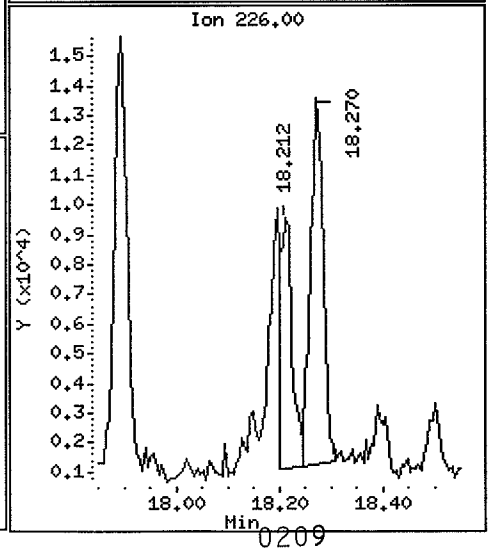


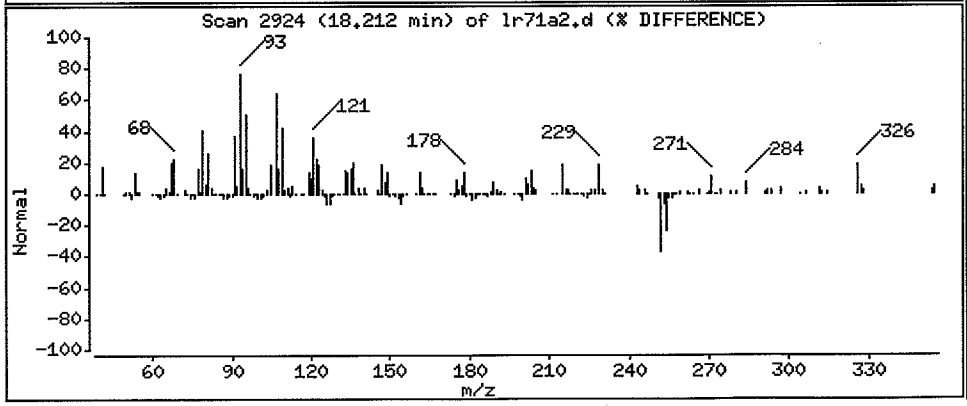












Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

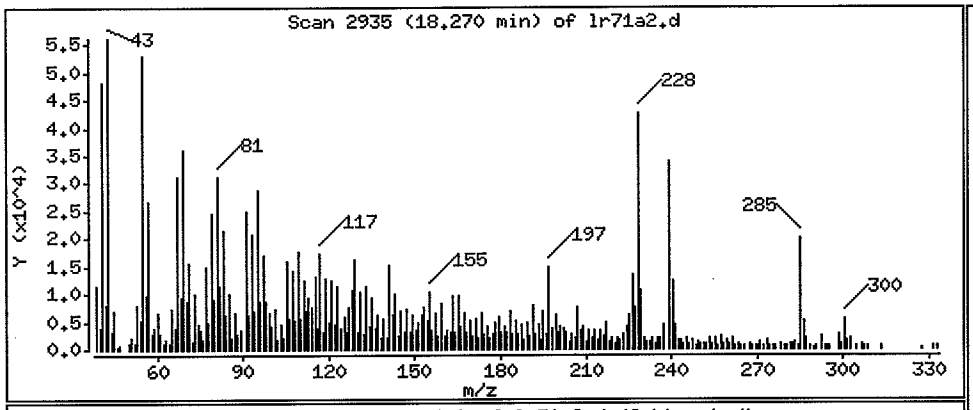
Operator: VTS

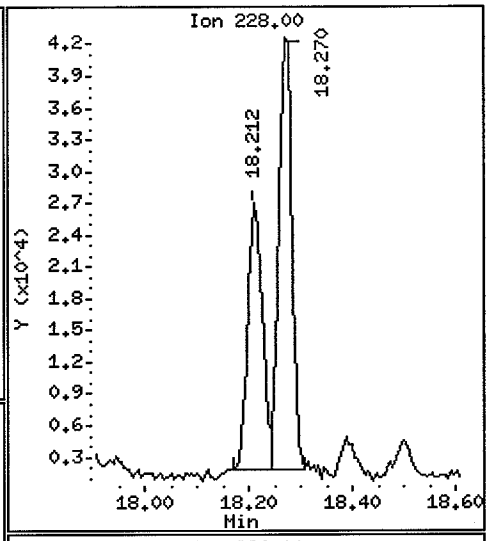
Column phase: ZB-5

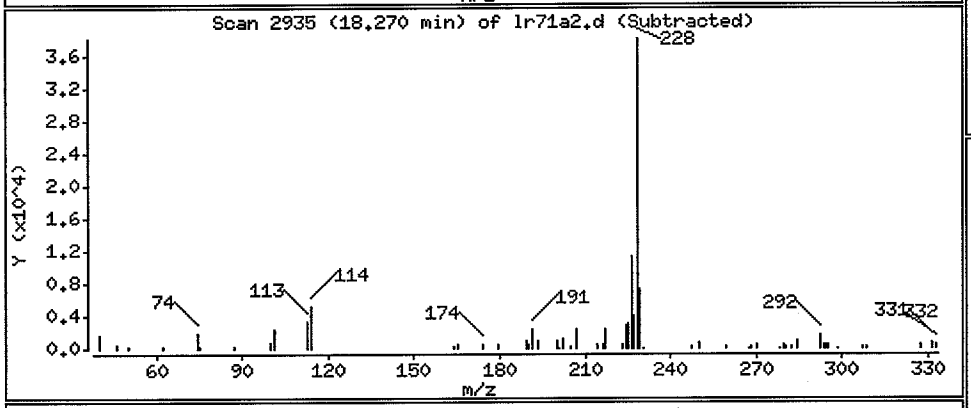
Column diameter: 0.32

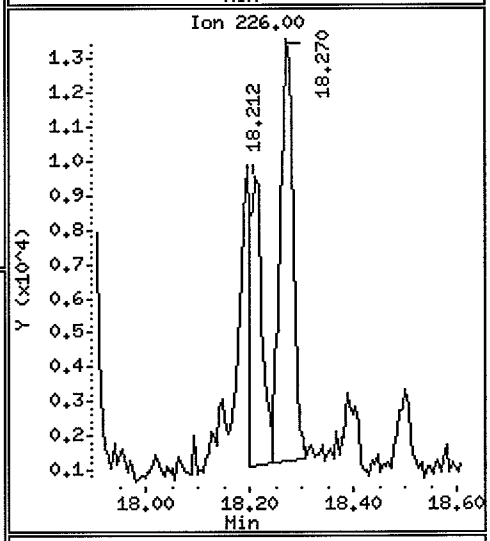
71 Chrysene

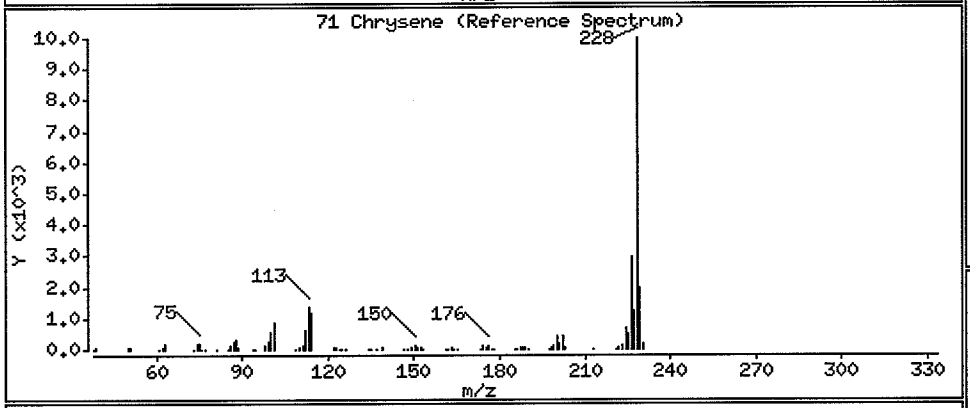
Concentration: 40.17 ug/Kg

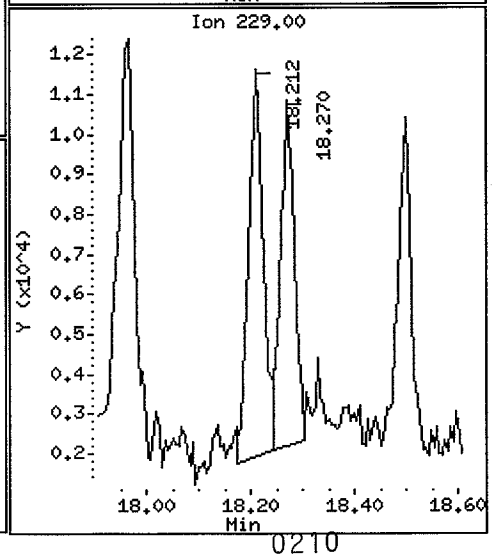


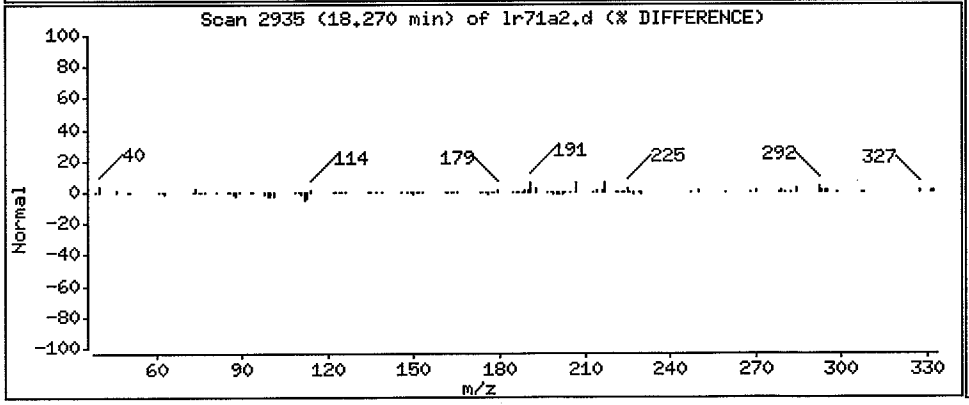












Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

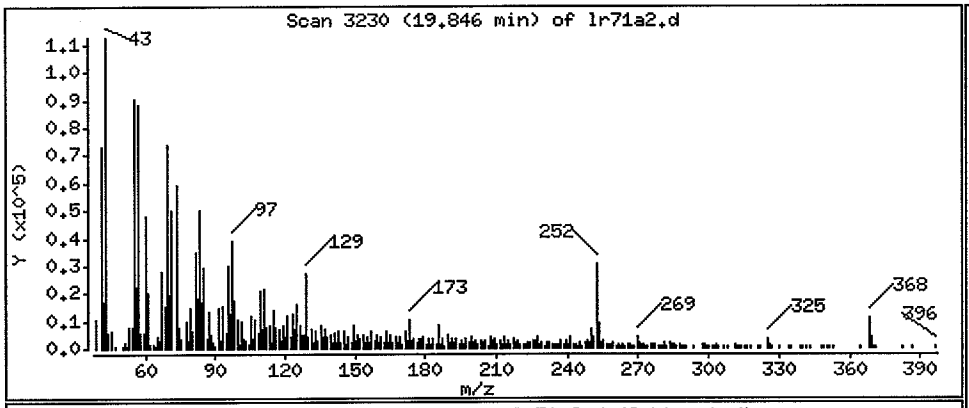
Operator: VTS

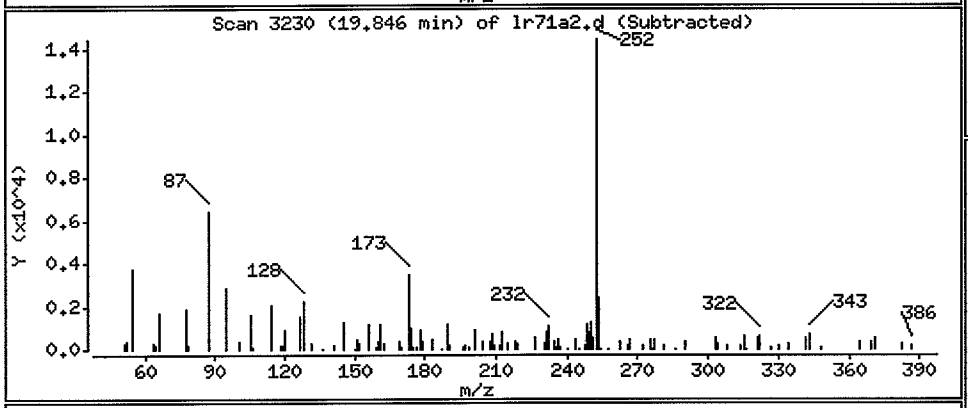
Column phase: ZB-5

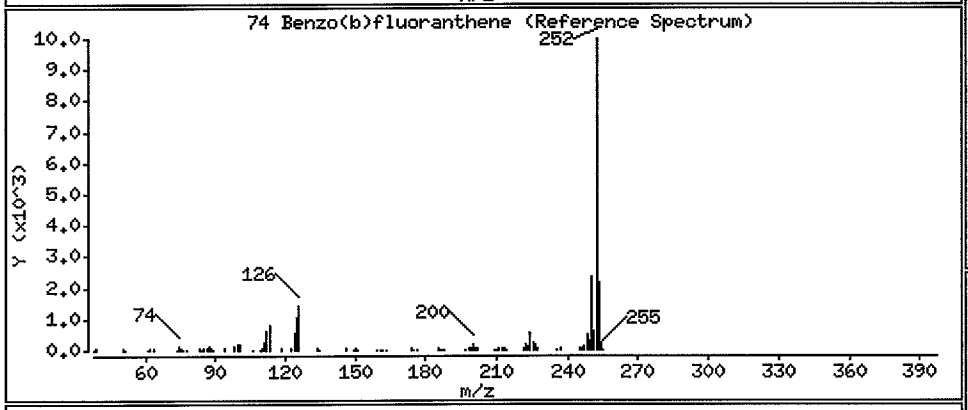
Column diameter: 0.32

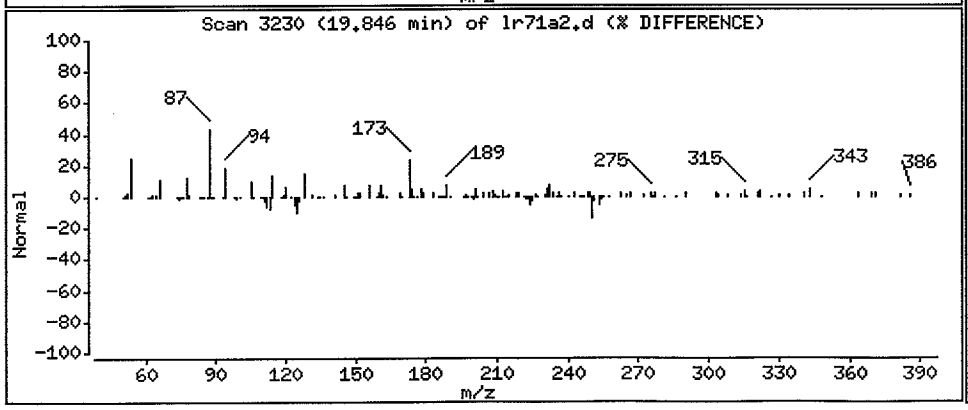
74 Benzo(b)fluoranthene

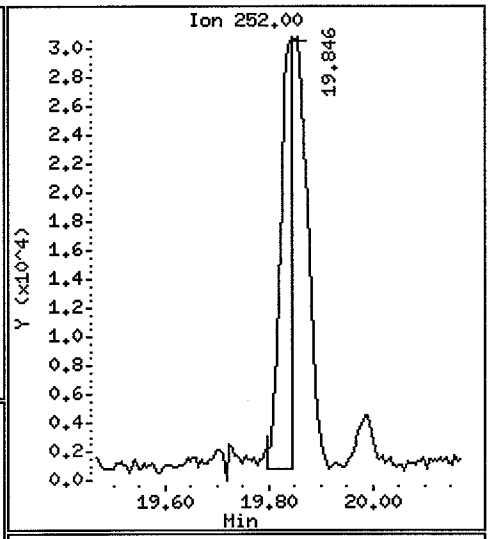
Concentration: 30.54 ug/Kg

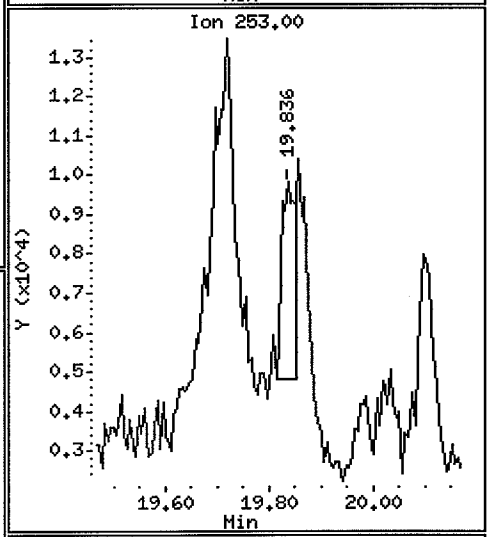


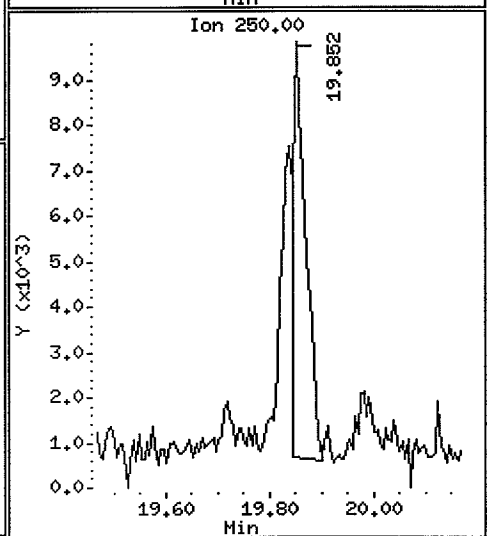












Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

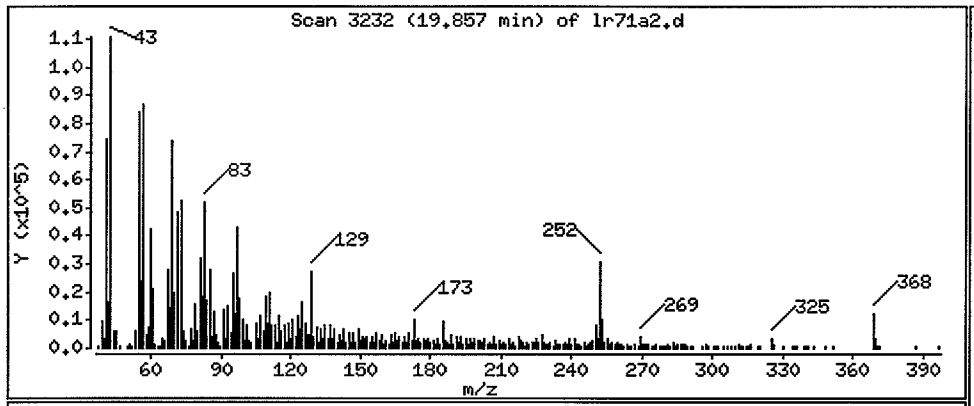
Operator: VTS

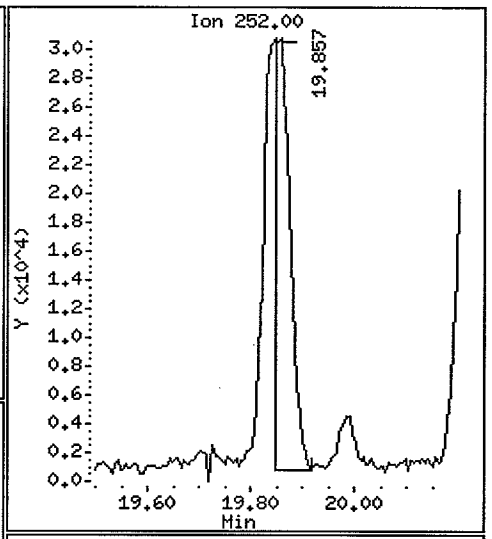
Column phase: ZB-5

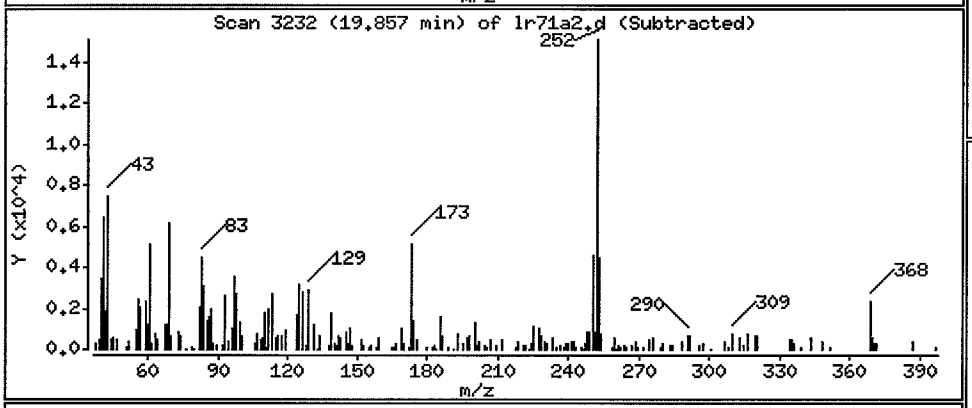
Column diameter: 0.32

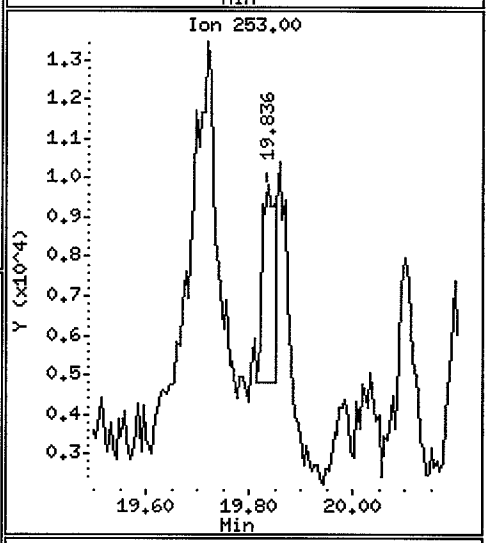
75 Benzo(k)fluoranthene

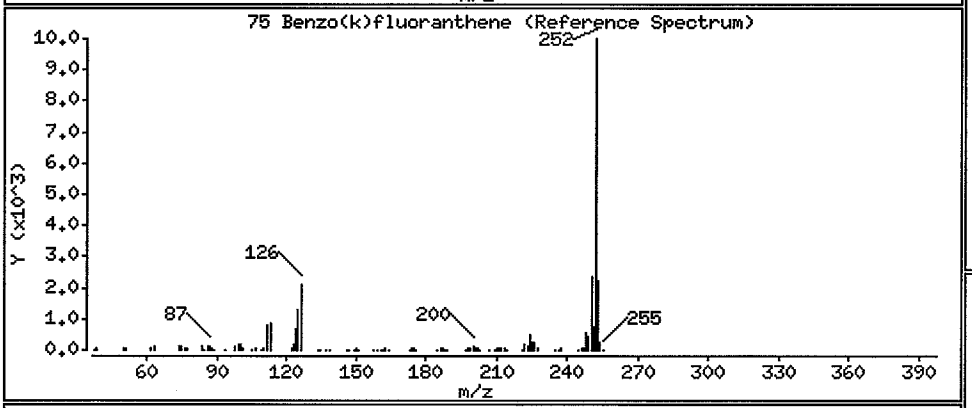
Concentration: 34.44 ug/Kg

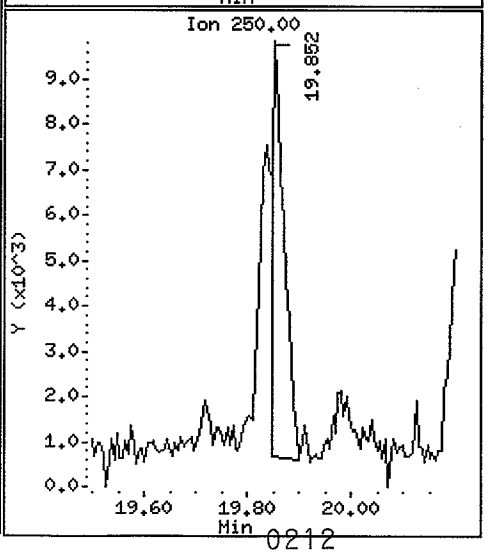


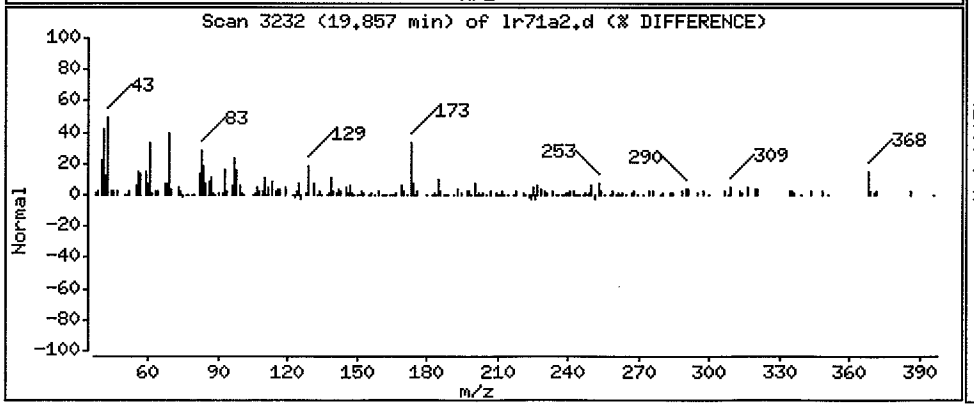












Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

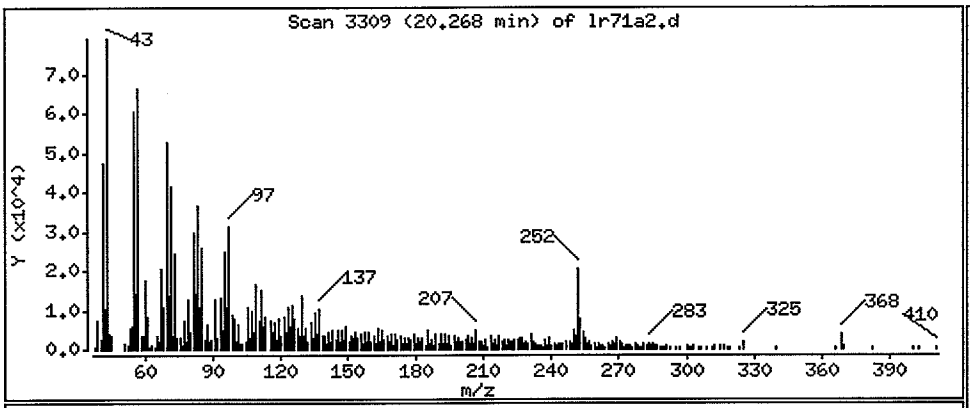
Operator: VTS

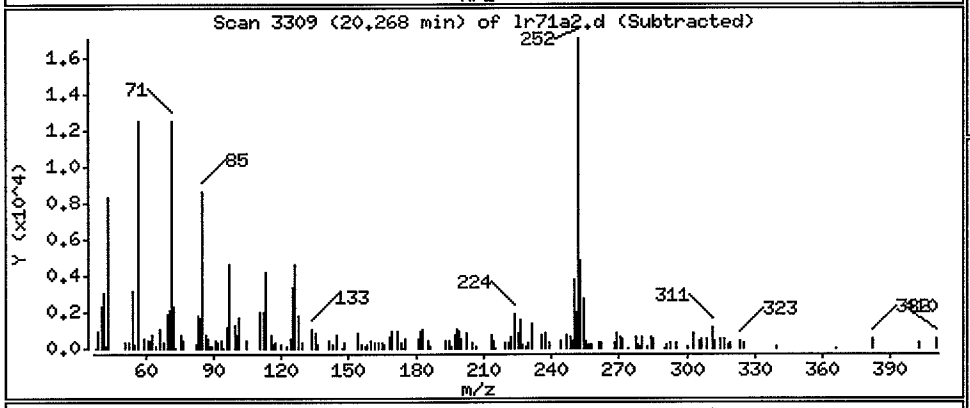
Column phase: ZB-5

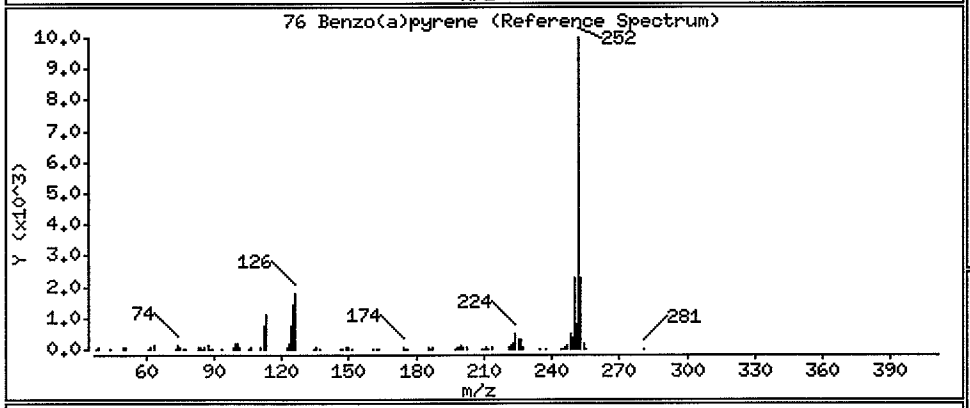
Column diameter: 0.32

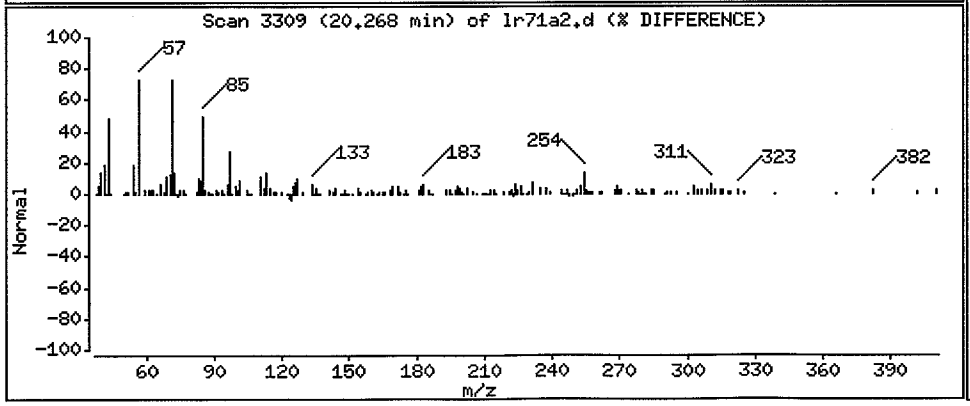
76 Benzo(a)pyrene

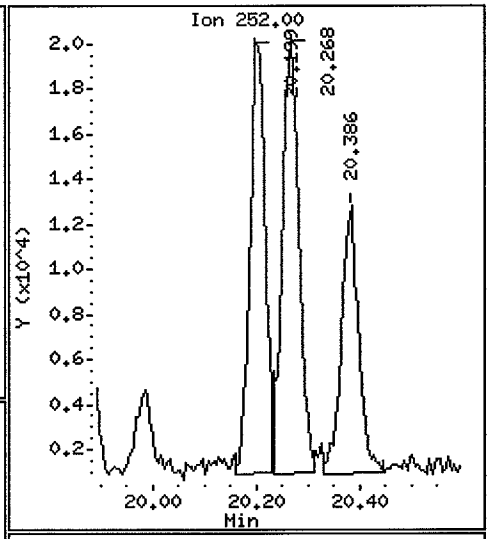
Concentration: 29.18 ug/Kg

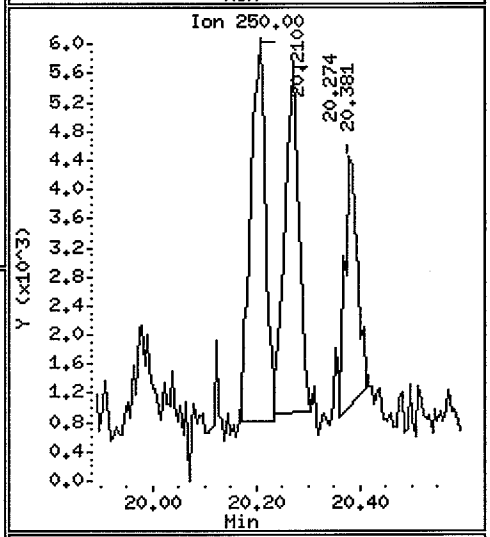


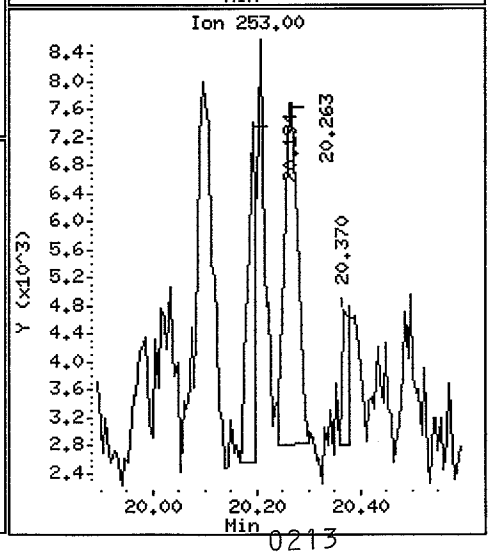






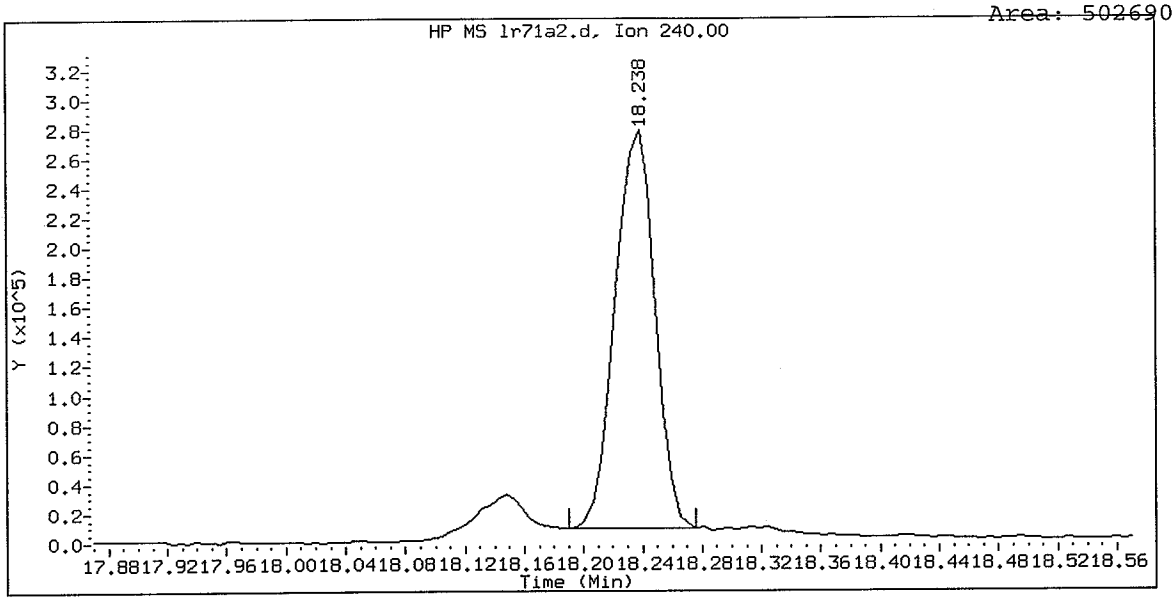


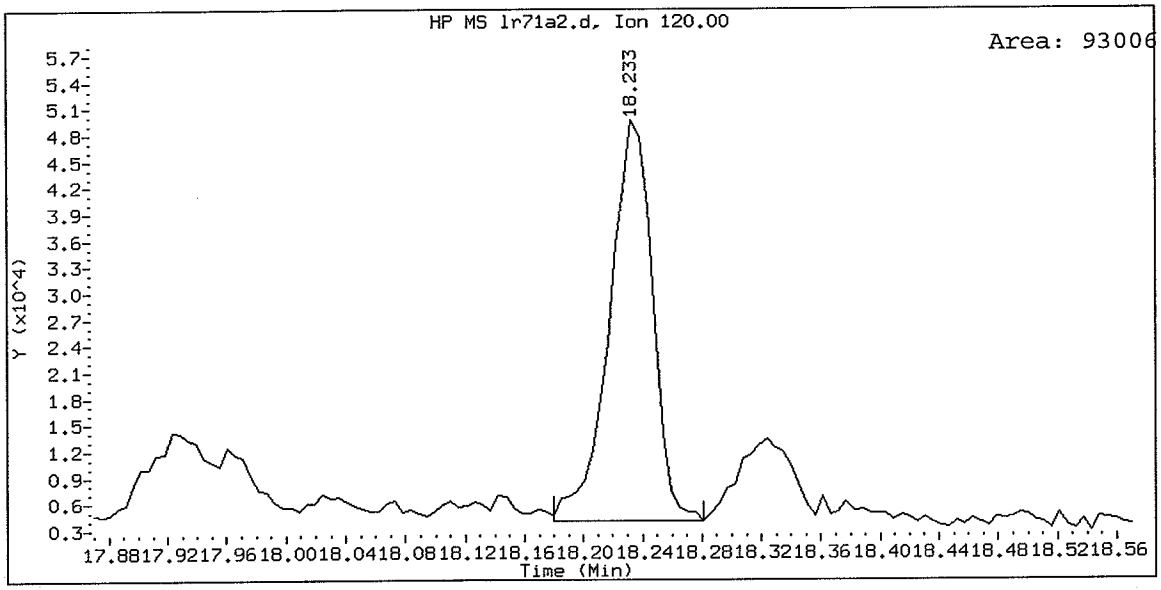


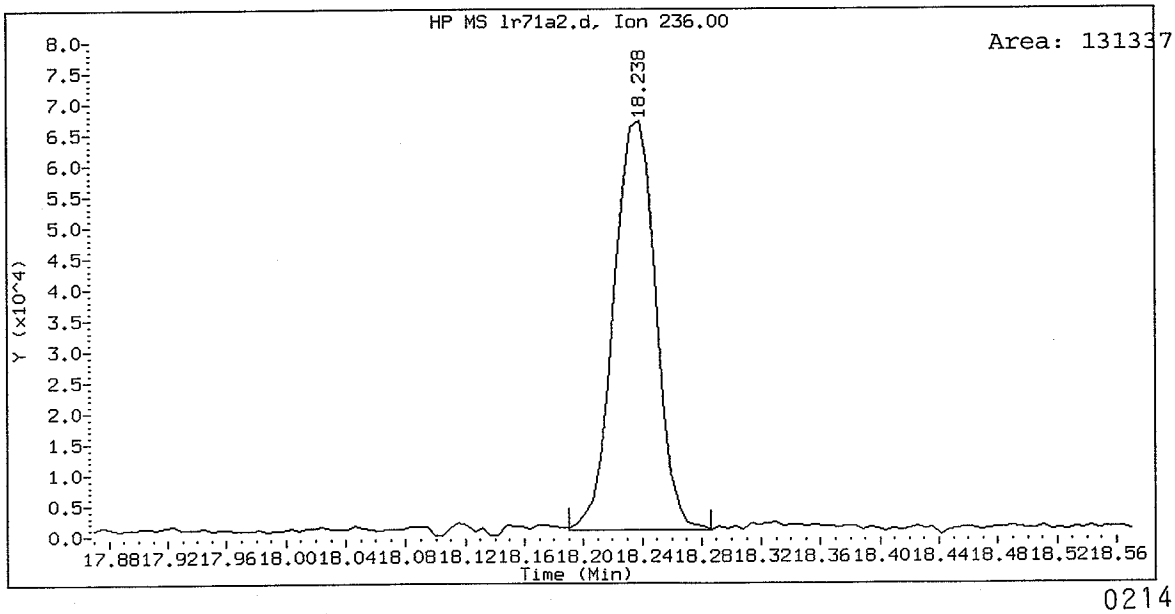


LR71ARE, /chem3/nt4.i/20071101.b/lr71a2.d
Chrysene-d12 Amount: 20.00

Area: 502690







Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

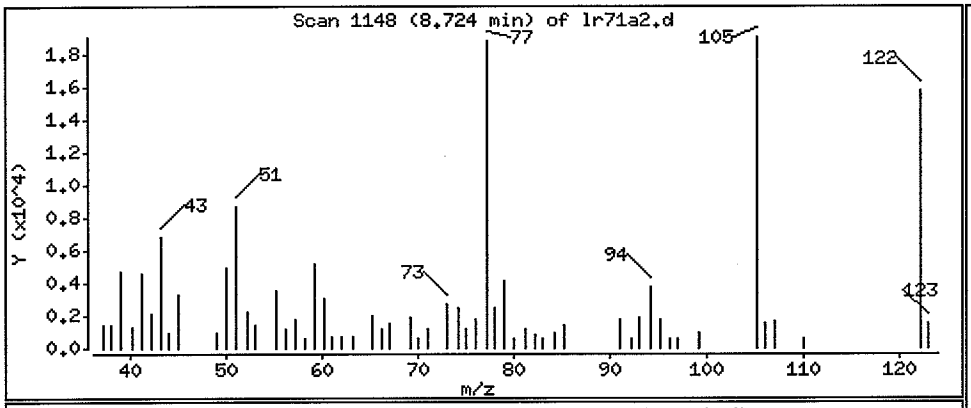
Operator: VTS

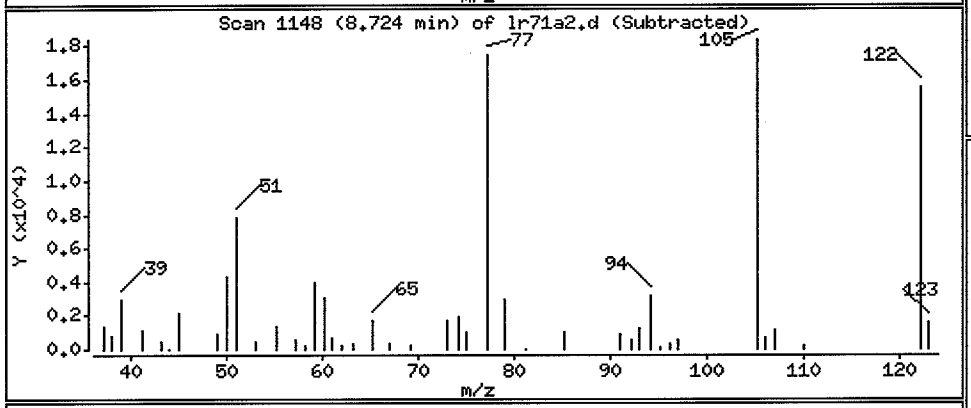
Column phase: ZB-5

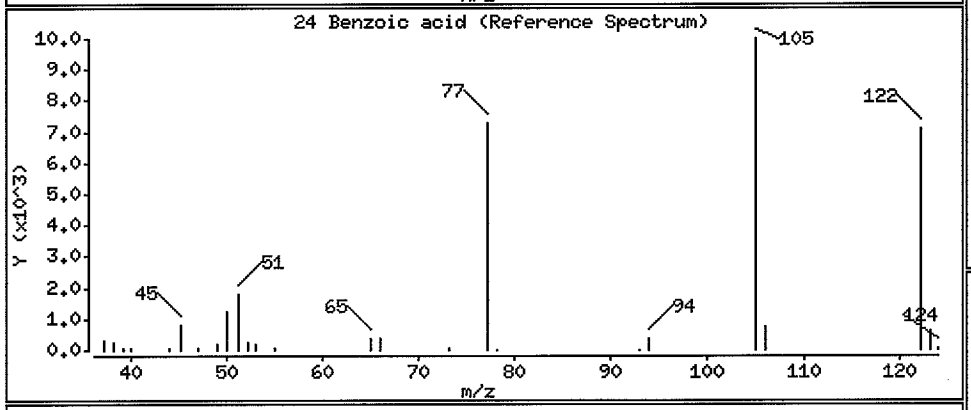
Column diameter: 0.32

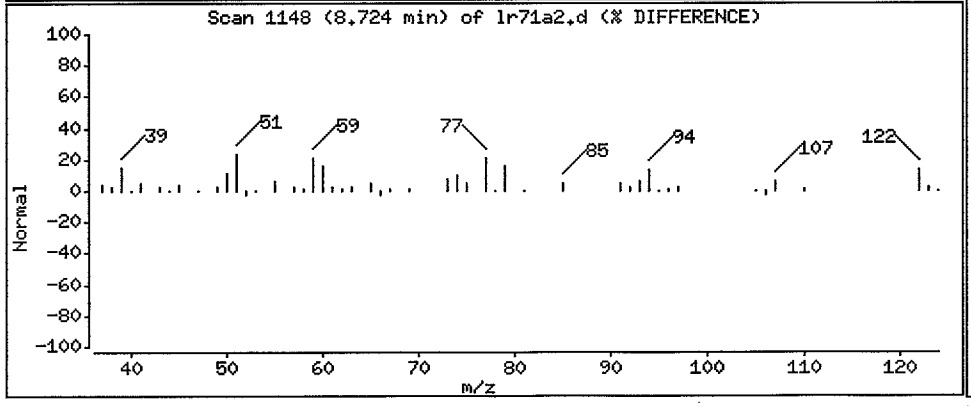
24 Benzoic acid

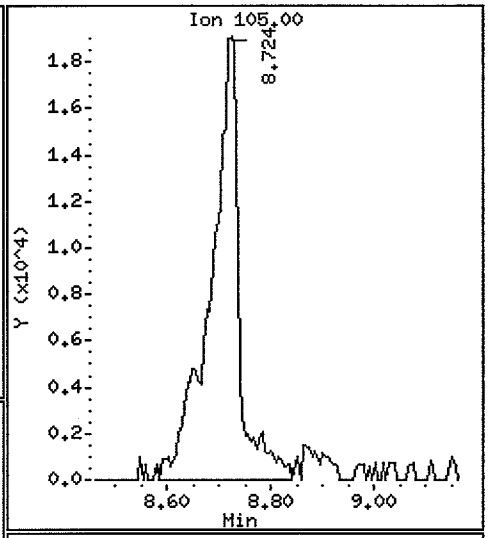
Concentration: 154.4 ug/Kg

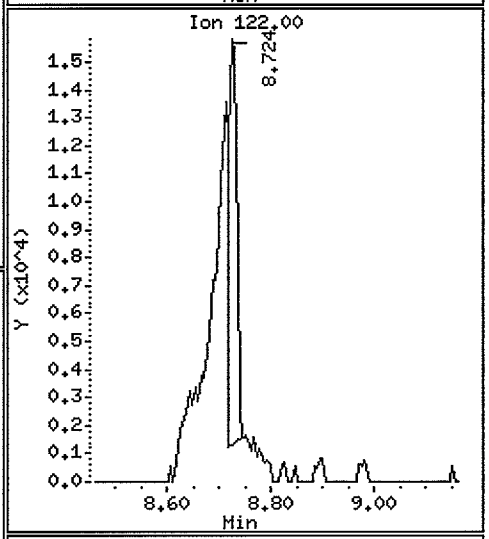


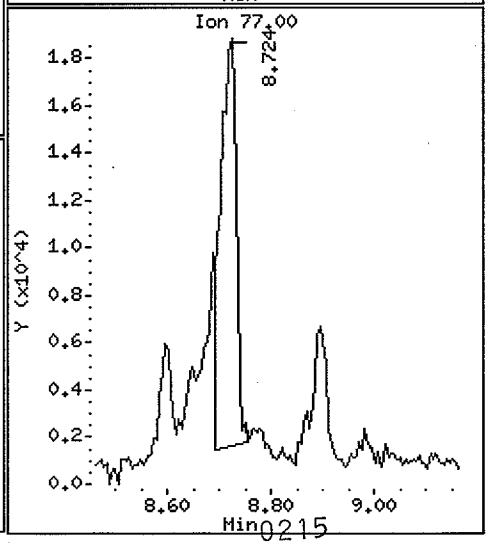












Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

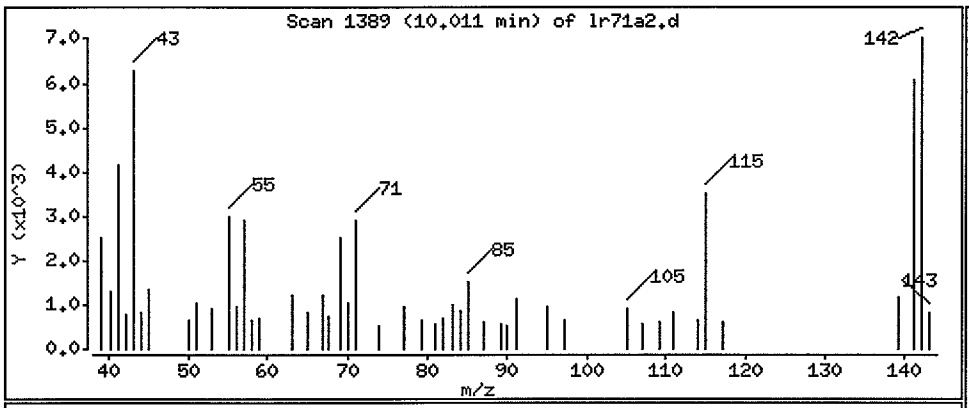
Operator: VTS

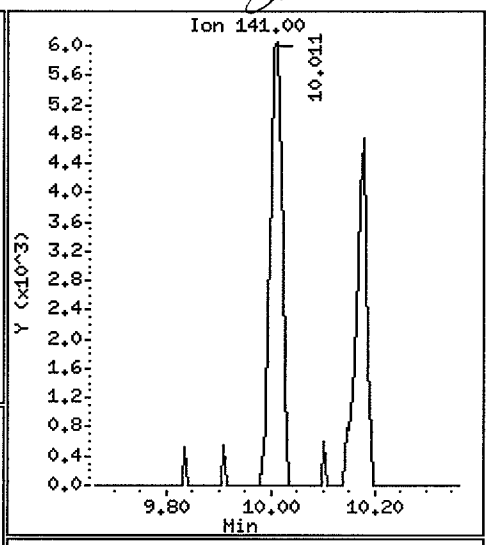
Column phase: ZB-5

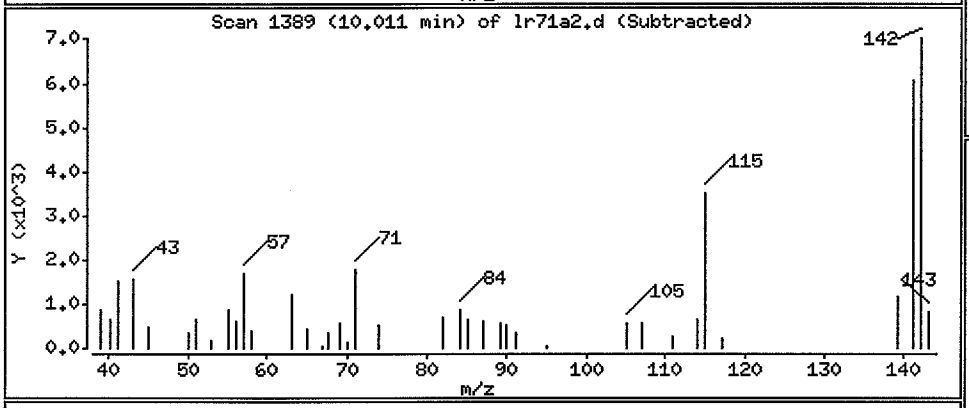
Column diameter: 0.32

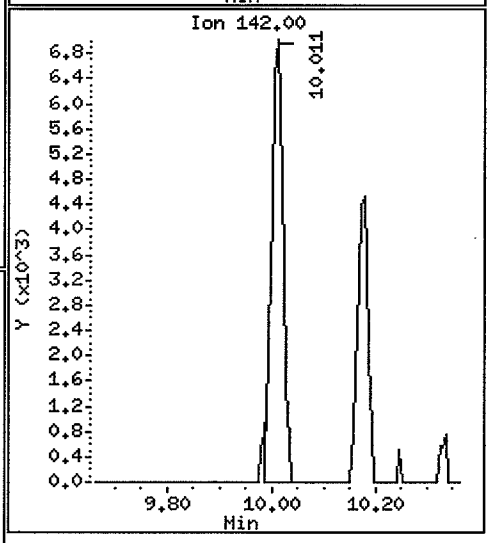
32 2-Methylnaphthalene

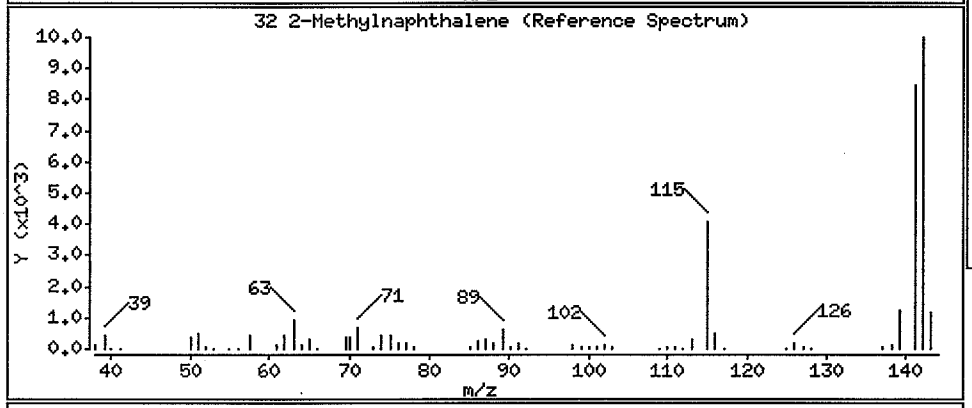
Concentration: 10.83 ug/Kg

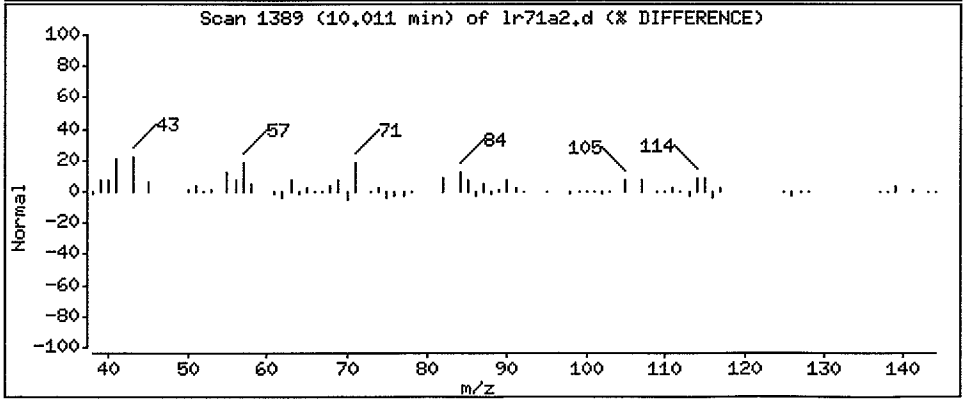












Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

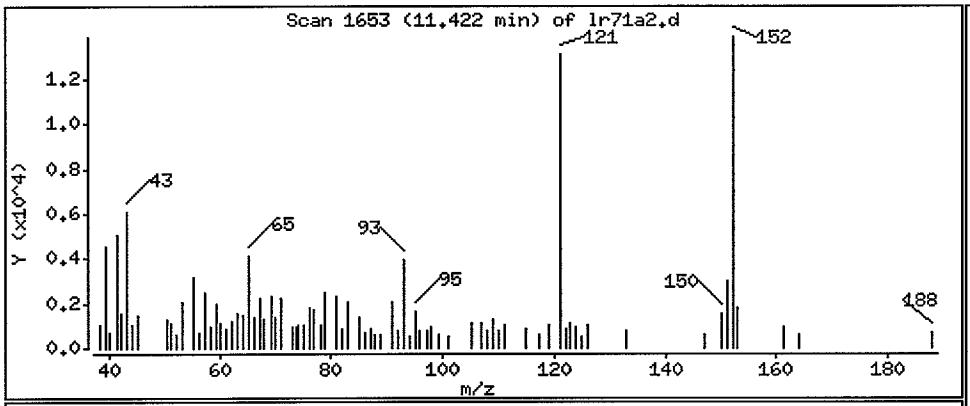
Operator: VTS

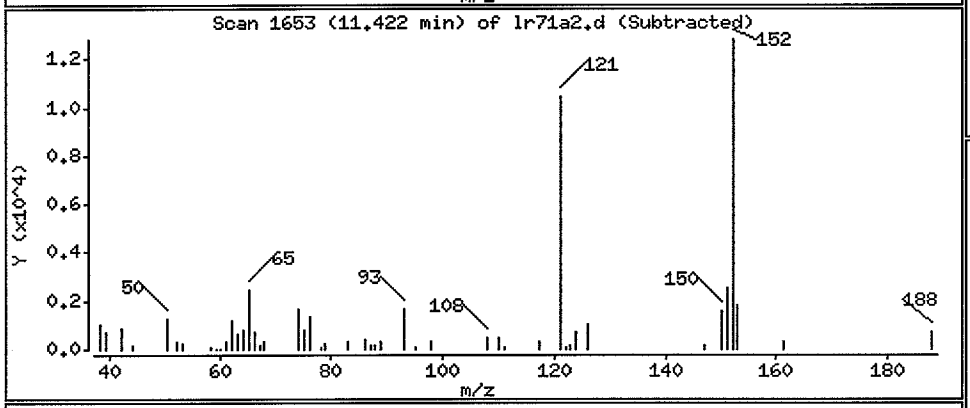
Column phase: ZB-5

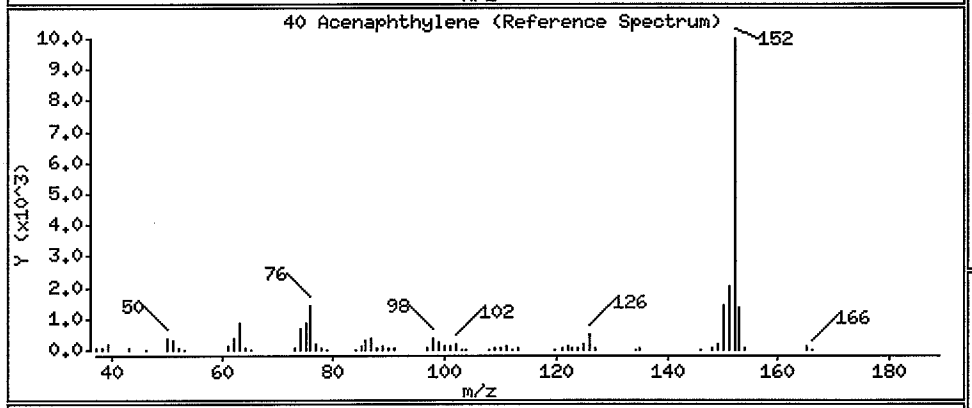
Column diameter: 0.32

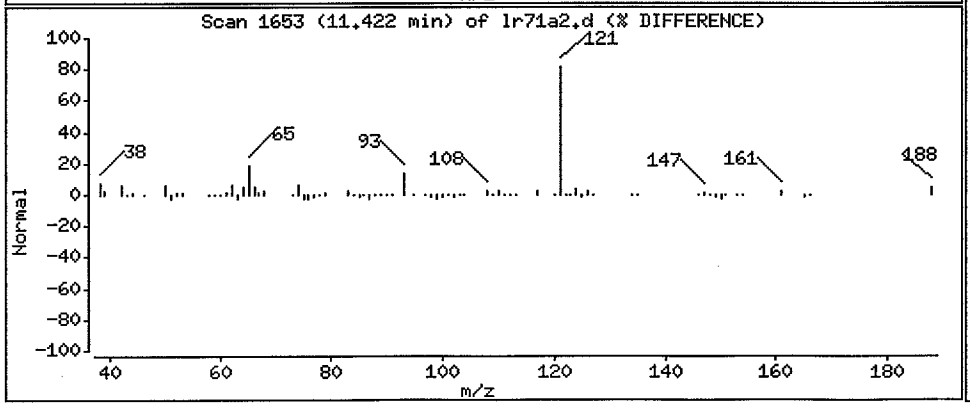
40 Acenaphthylene

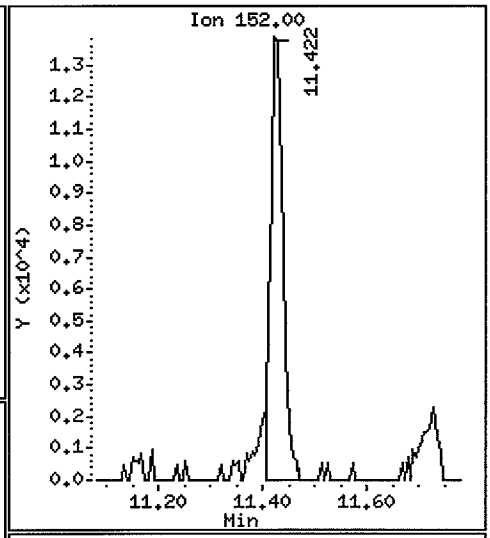
Concentration: 15.60 ug/Kg

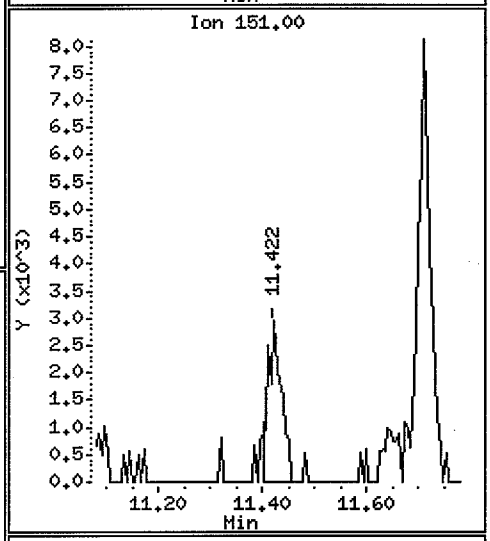


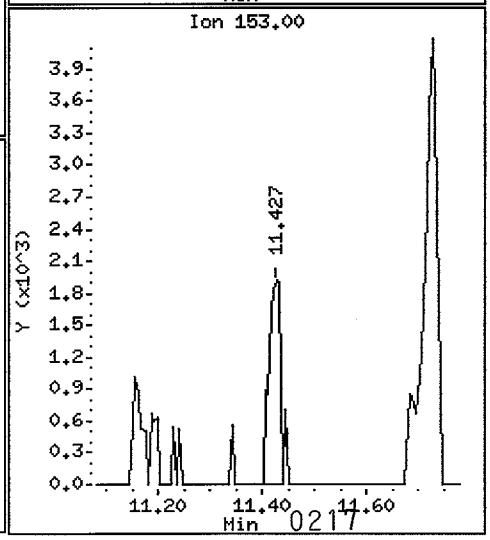












Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

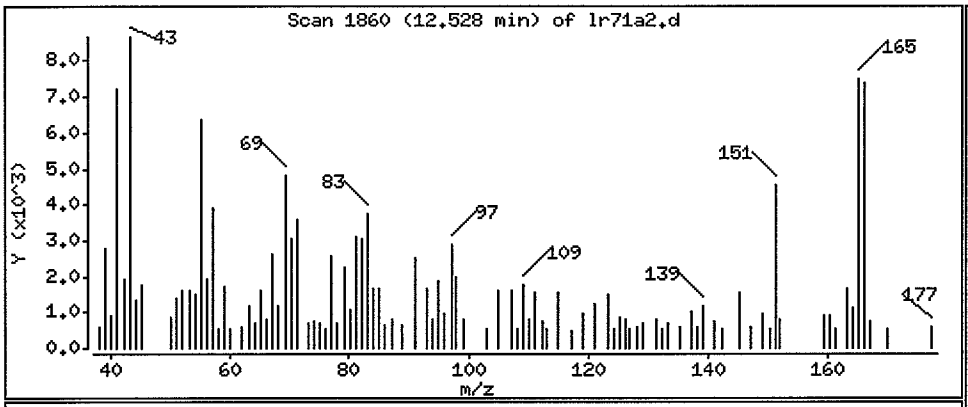
Operator: VTS

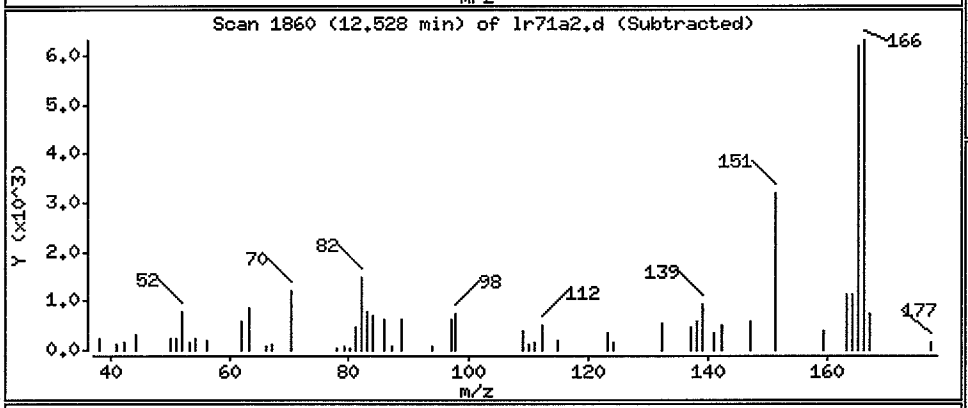
Column phase: ZB-5

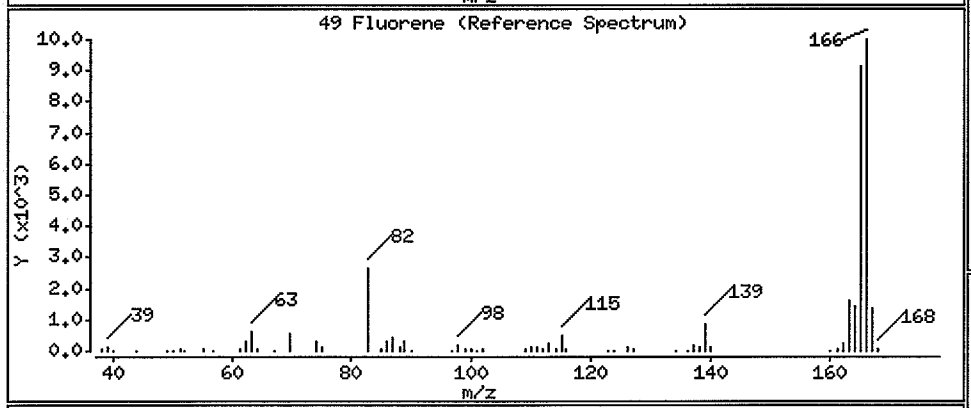
Column diameter: 0.32

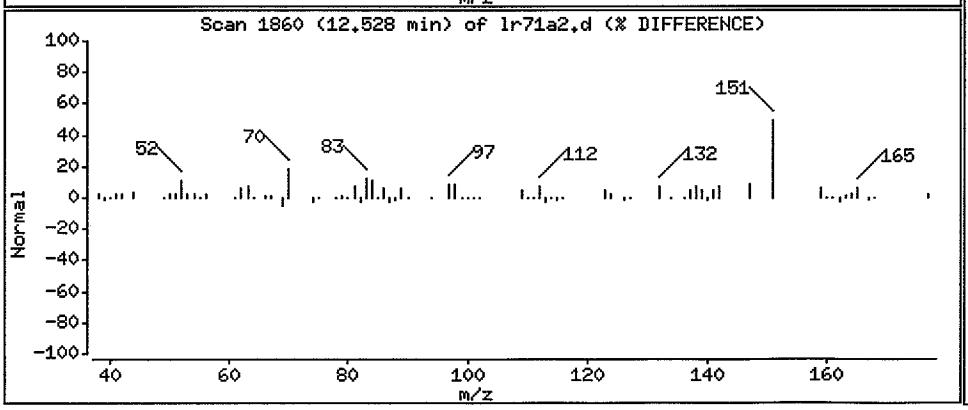
49 Fluorene

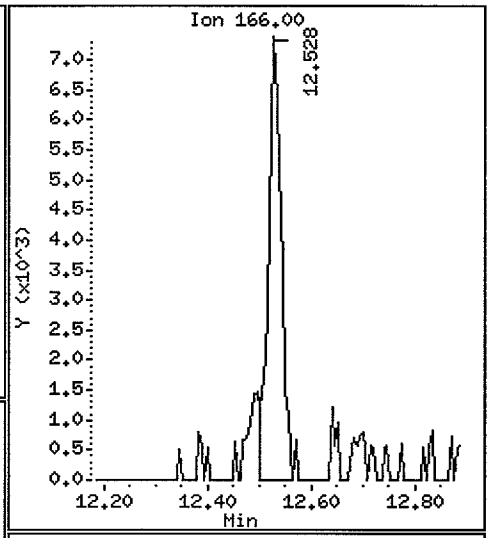
Concentration: 11.71 ug/Kg

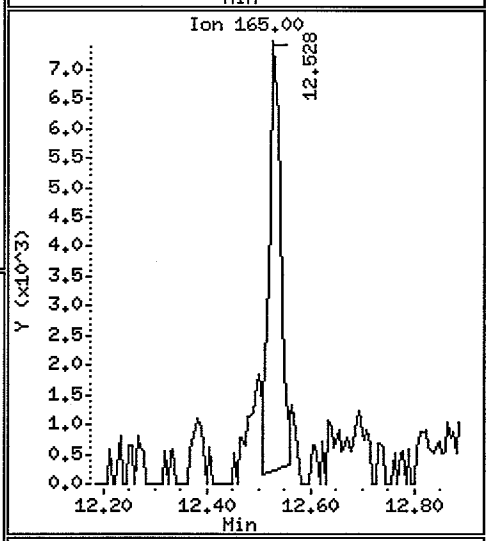


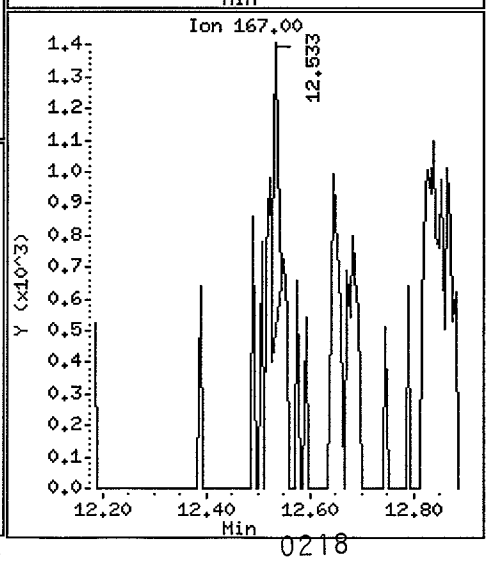












Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

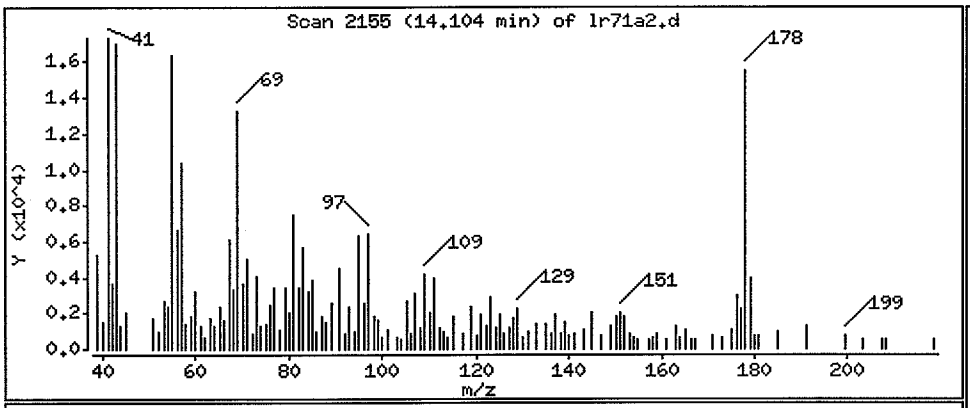
Operator: VTS

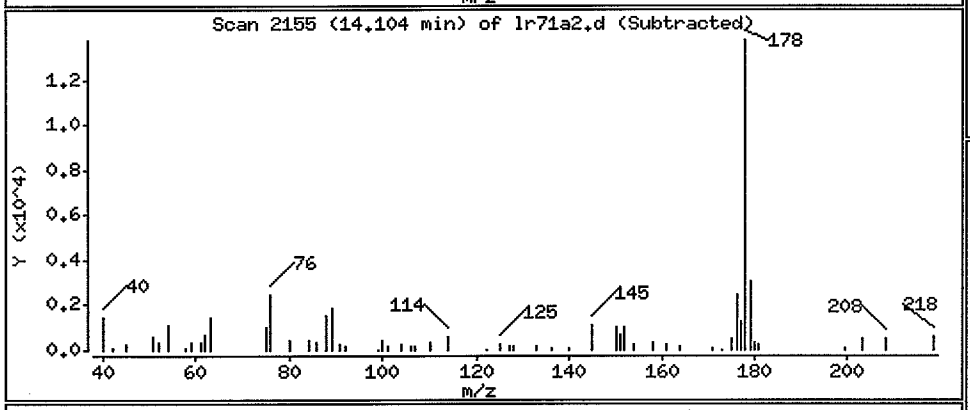
Column phase: ZB-5

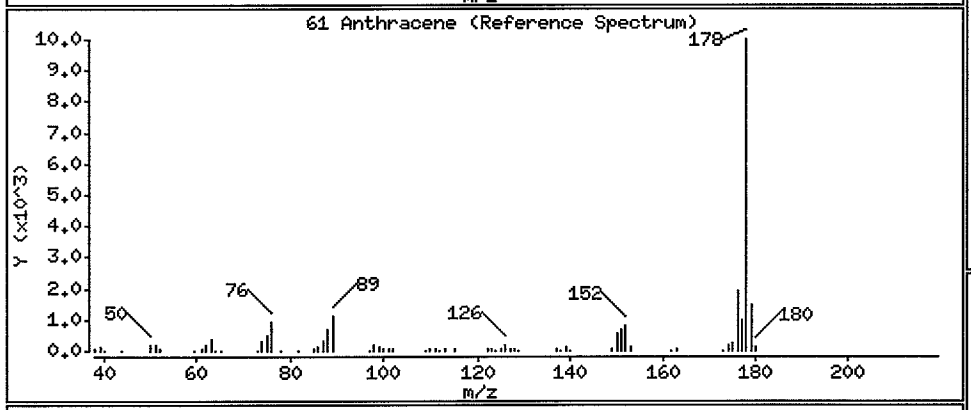
Column diameter: 0.32

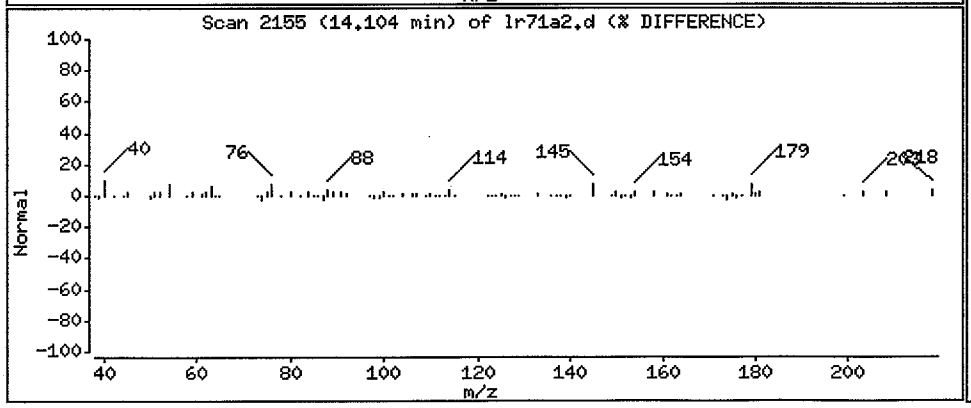
61 Anthracene

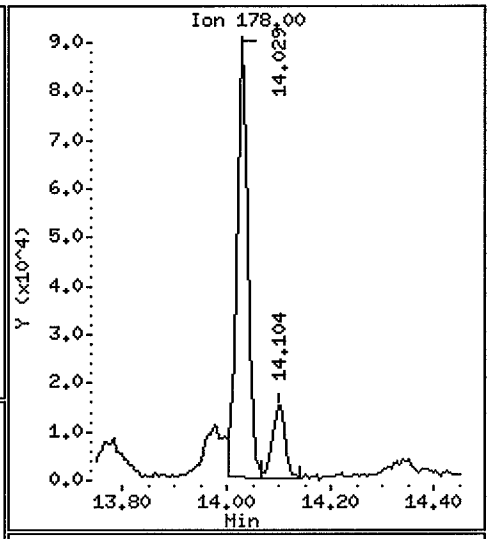
Concentration: 16.17 ug/Kg

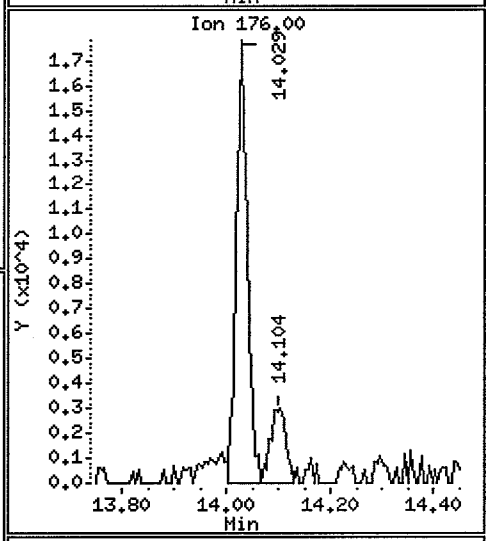


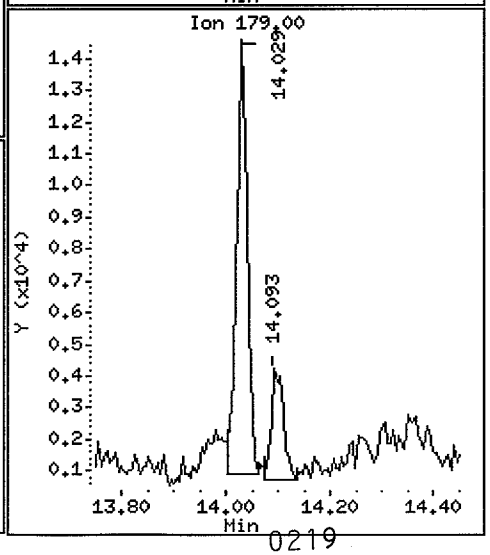












Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

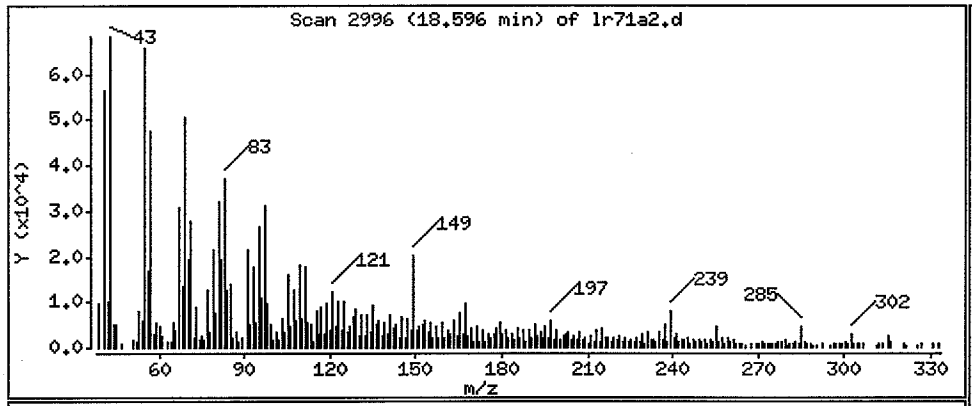
Operator: VTS

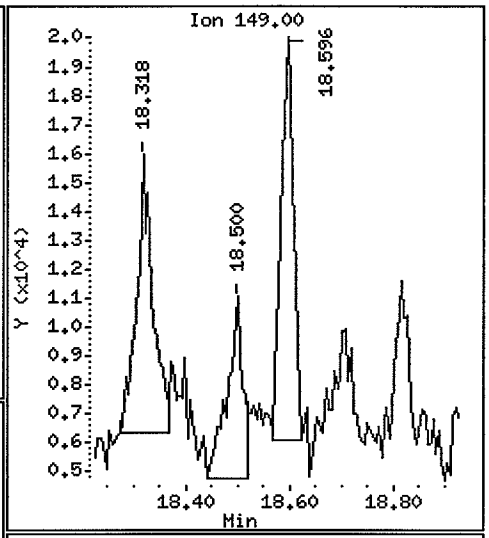
Column phase: ZB-5

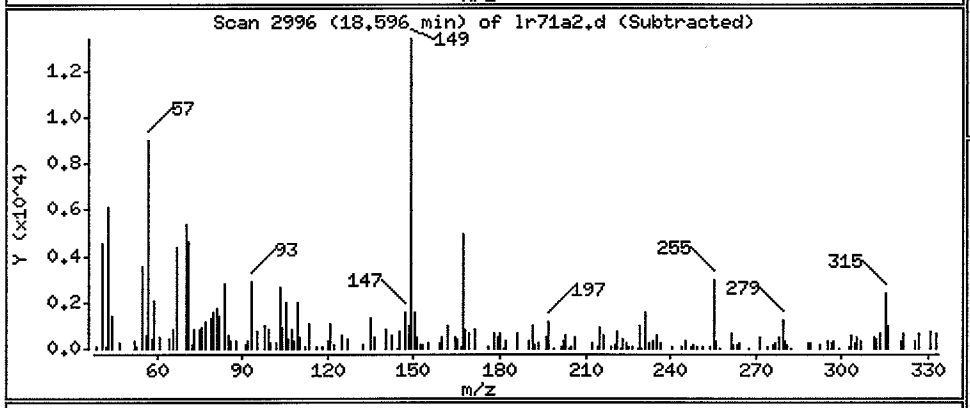
Column diameter: 0.32

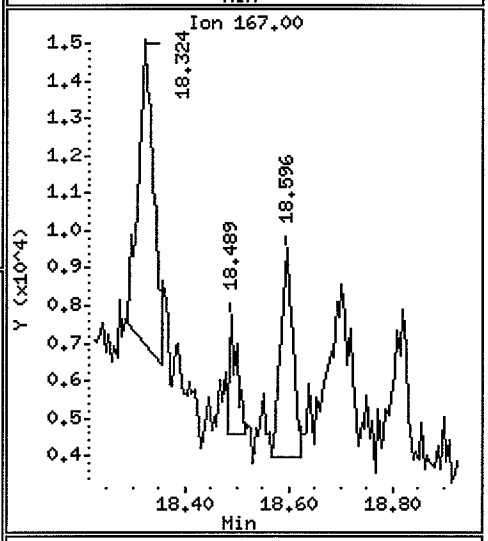
72 bis(2-Ethylhexyl)phthalate

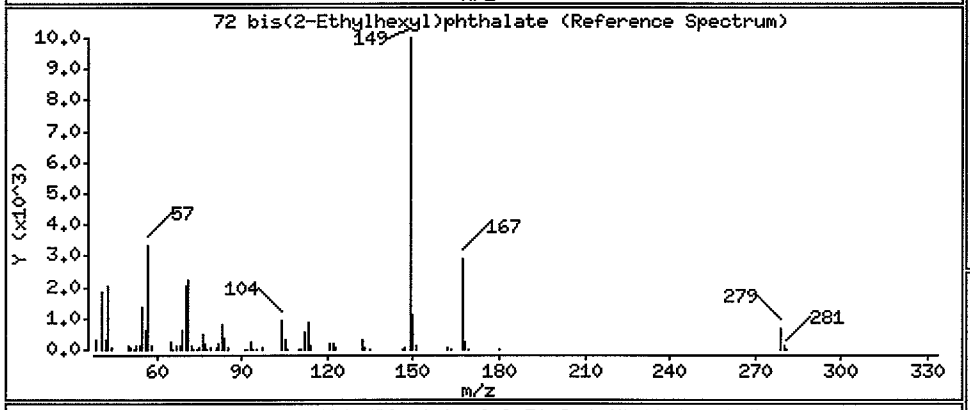
Concentration: 19.88 ug/Kg

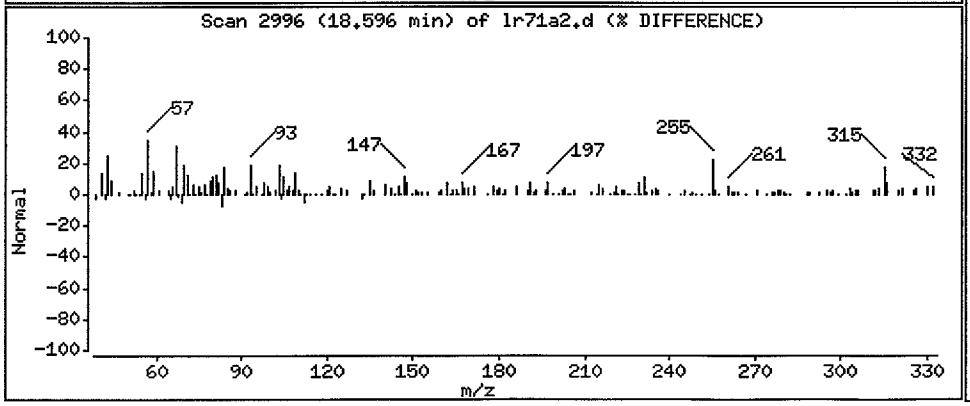


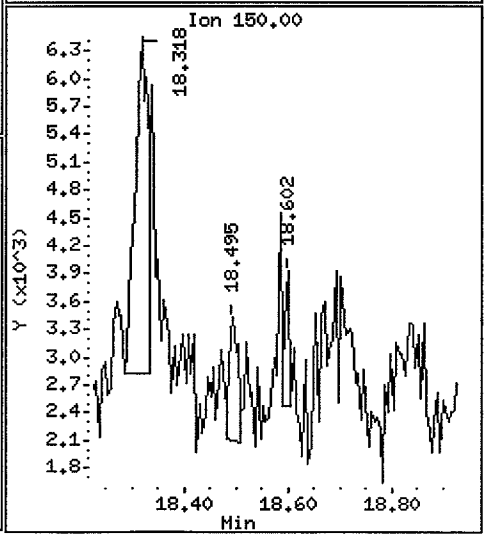












Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

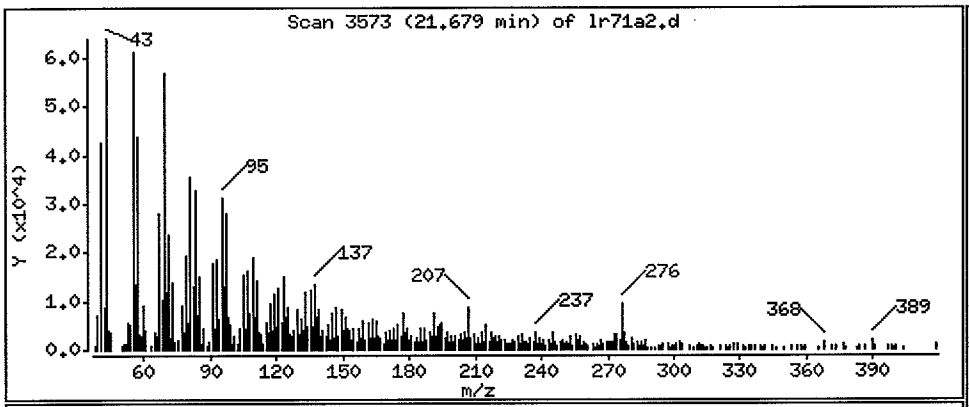
Operator: VTS

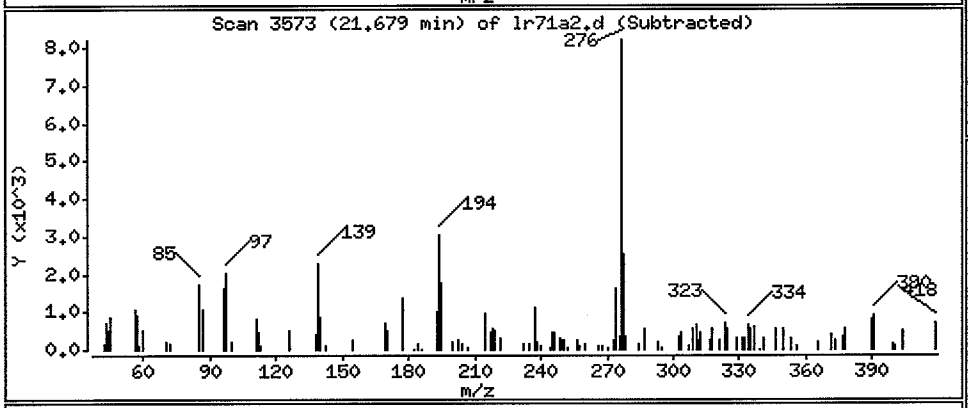
Column phase: ZB-5

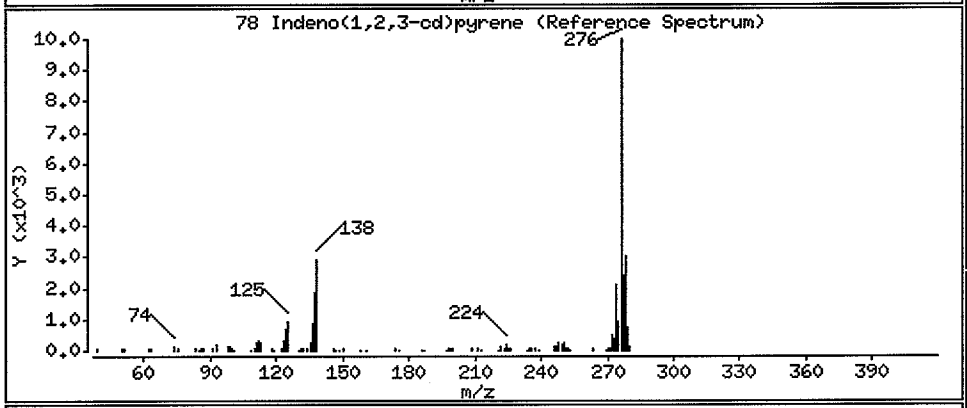
Column diameter: 0.32

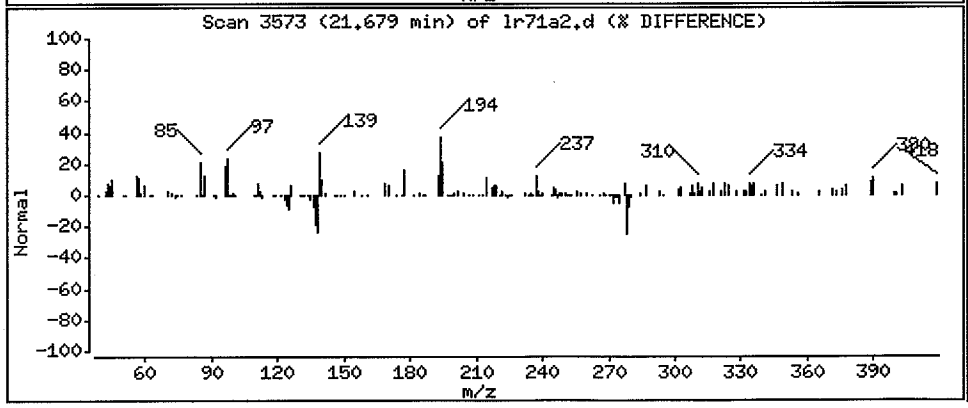
78 Indeno(1,2,3-cd)pyrene

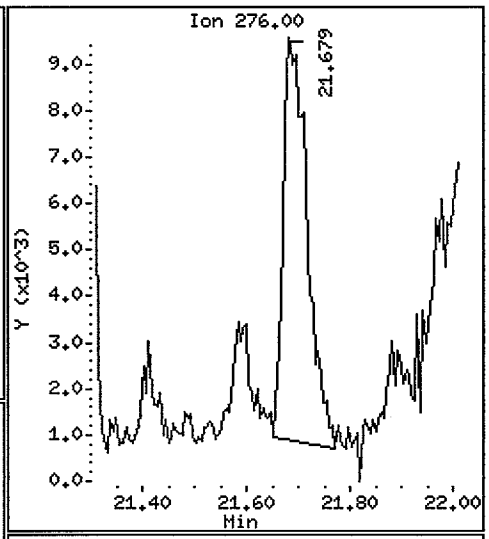
Concentration: 16.89 ug/Kg

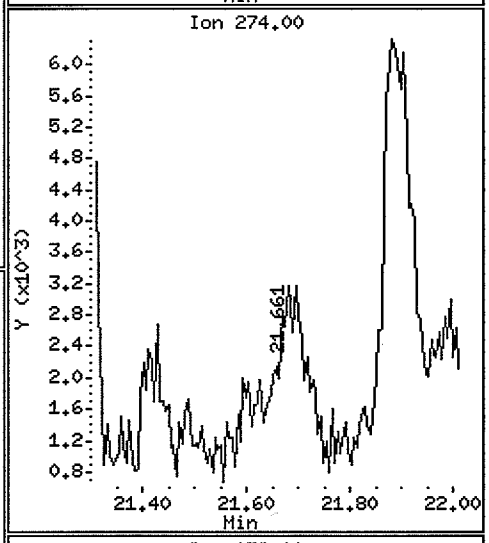


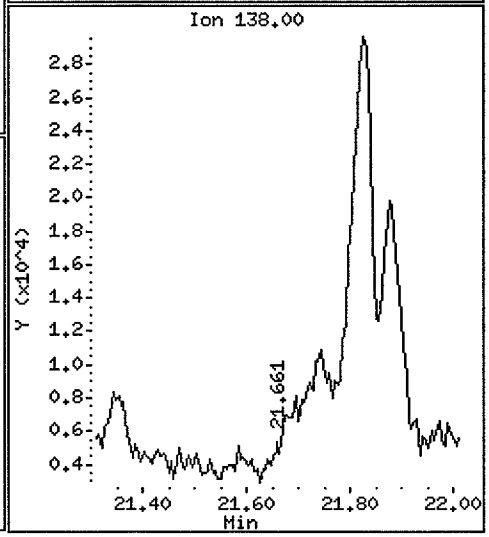












Data File: /chem3/nt4.i/20071101.b/lr71a2.d

Date : 01-NOV-2007 16:39

Client ID:

Instrument: nt4.i

Sample Info: LR71ARE

Volume Injected (uL): 1.0

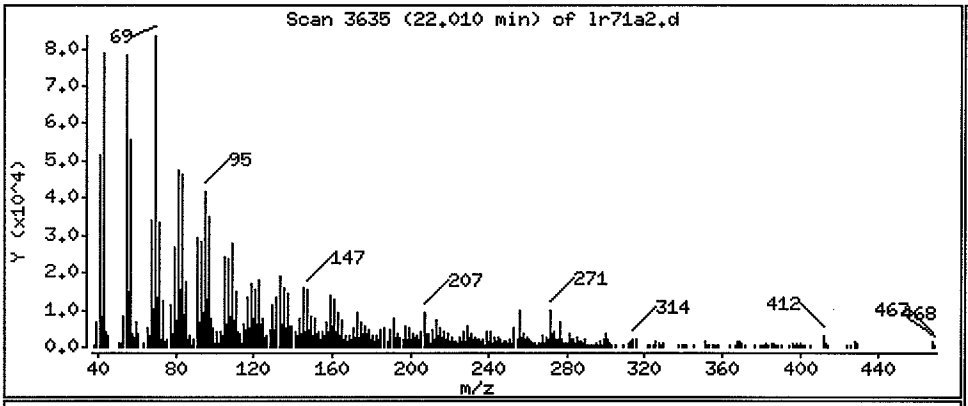
Operator: VTS

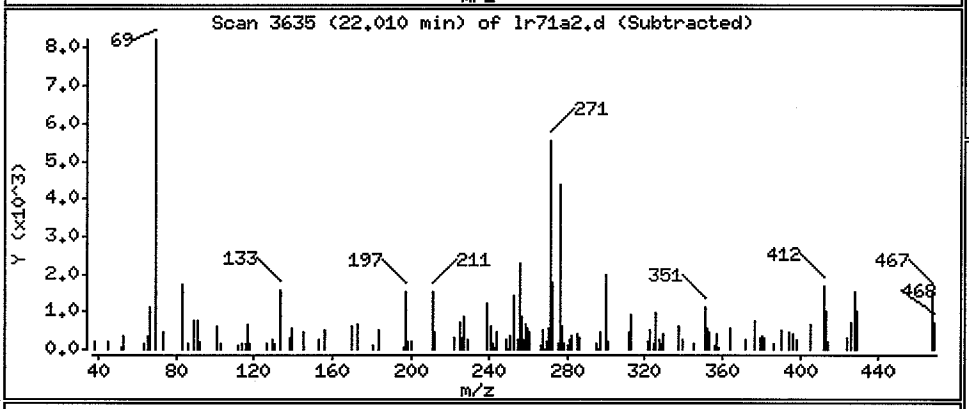
Column phase: ZB-5

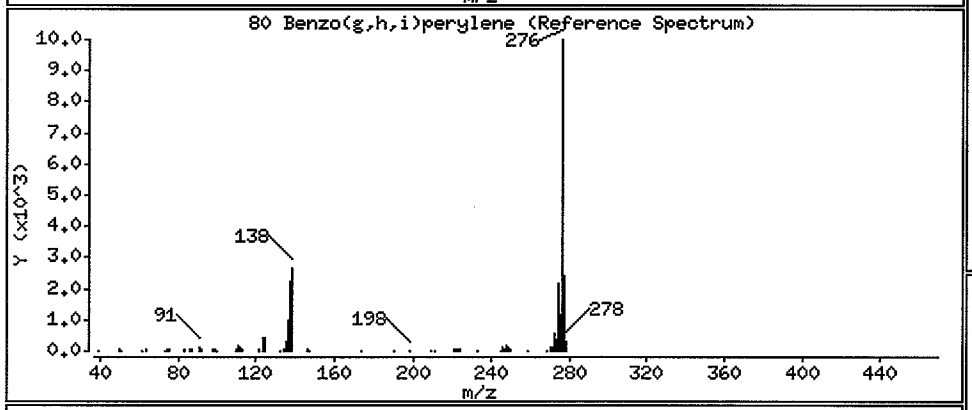
Column diameter: 0.32

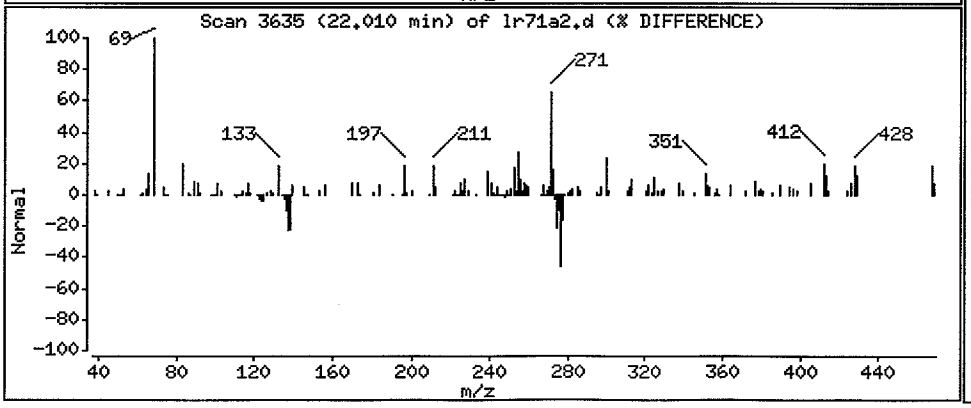
80 Benzo(g,h,i)perylene

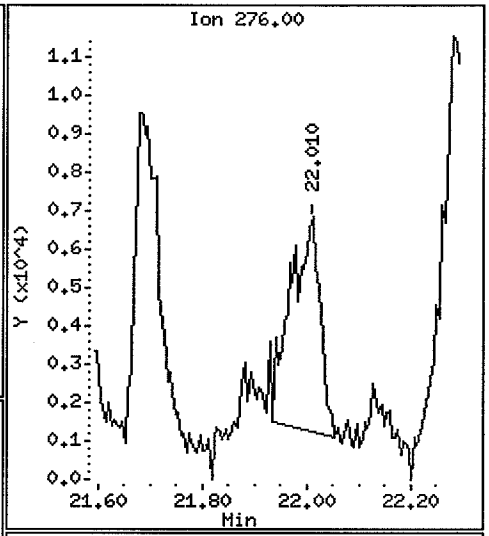
Concentration: 14.50 ug/Kg

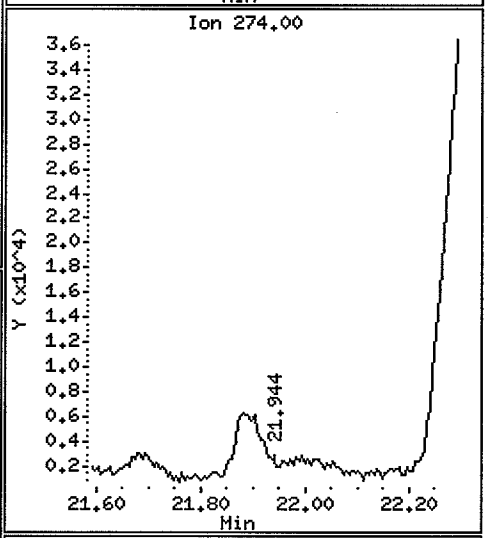


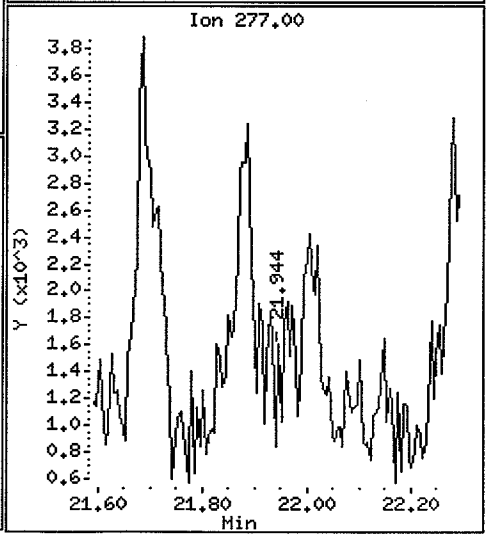












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-02-070927**
Page 1 of 2 **SAMPLE**

Lab Sample ID: LR71B
LIMS ID: 07-20767
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 15:13
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: 50.3%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**180**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	**Naphthalene**	**20**	**47**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	**2-Methylnaphthalene**	**20**	**25**
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	**Dibenzofuran**	**20**	**39**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**24**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	**Phenanthrene**	**20**	**400**
120-12-7	**Anthracene**	**20**	**20**
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**410**
129-00-0	**Pyrene**	**20**	**290**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**56**
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**110**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**88**
207-08-9	**Benzo(k)fluoranthene**	**20**	**73**
50-32-8	**Benzo(a)pyrene**	**20**	**75**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**20**
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

Sample ID: AN-SS-02-070927
SAMPLE

Lab Sample ID: LR71B
LIMS ID: 07-20767
Matrix: Sediment
Date Analyzed: 10/18/07 15:13

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	48.8%	2-Fluorobiphenyl	49.2%
d14-p-Terphenyl	64.0%	d4-1,2-Dichlorobenzene	44.8%
d5-Phenol	54.9%	2-Fluorophenol	63.2%
2,4,6-Tribromophenol	63.7%	d4-2-Chlorophenol	54.4%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071018.b/lr71b.d
Lab Smp Id: LR71B Client Smp ID: AN-SS-02-070927
Inj Date : 18-OCT-2007 15:13
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71B
Misc Info : 07-20767
Comment : 1ul Injection
Method : /chem1/nt6.i/20071018.b/SW846.m
Meth Date : 25-Oct-2007 15:32 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 10/25/07

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	50.30000	% 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	5.980	5.917	(0.756)	345044	23.6734	471.6
$ 2	Phenol-d5	99	7.503	7.488	(0.948)	382746	20.5568	409.5
3	Phenol	94	7.524	7.504	(0.951)	11843	0.51324 LOC	10.22
$ 5	2-Chlorophenol-d4	132	7.615	7.600	(0.962)	252553	20.3660	405.7
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	7.914	7.904	(1.000)	197786	20.0000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	8.213	8.204	(1.038)	104530	11.2408	223.9
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	8.683	8.674	(1.097)	125711	9.05077	180.3
$	18 Nitrobenzene-d5	82	8.849	8.845	(0.887)	262601	12.2309	243.7
	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	9.971	9.961	(1.000)	668243	20.0000	
	28 Naphthalene	128	10.003	9.999	(1.003)	96695	2.34747	46.77
	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	11.130	11.126	(1.116)	25696	1.24154	24.73
	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	11.787	11.777	(0.917)	409647	12.2721	244.5
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	12.599	12.584	(0.980)	36147	0.82223 LDL	16.38
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.856	12.841	(1.000)	428728	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.904	12.894	(1.004)	19214	0.69248 LDL	13.80
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	13.165	13.156	(1.024)	76916	1.97867	39.42
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	13.726	13.711	(1.068)	36406	1.18572	23.62
	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	14.154	14.139	(1.101)	99358	23.8866	475.9
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	15.243	15.223	(1.000)	772764	20.0000	
	60 Phenanthrene	178	15.281	15.261	(1.002)	985216	19.8708	395.9
	61 Anthracene	178	15.350	15.335	(1.007)	50219	1.01155	20.15(M)
	62 Carbazole	167	15.639	15.624	(1.026)	33387	0.75604 LDL	15.06
	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	17.241	17.205	(1.131)	1161478	20.4848	408.1	
	65 Pyrene	202	17.594	17.563	(0.898)	972729	14.6003	290.9	
$	66 Terphenyl-d14	244	17.915	17.884	(0.914)	668971	16.0418	319.6	
	67 Butylbenzylphthalate	149	Compound Not Detected.						
	68 Benzo(a)anthracene	228	19.571	19.529	(0.999)	204503	2.81367	56.05	
*	69 Chrysene-d12	240	19.597	19.556	(1.000)	927641	20.0000		(M)
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.						
	71 Chrysene	228	19.635	19.598	(1.002)	370632	5.67448	113.0	
	72 bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.						
*	134 Di-n-octylphthalate-d4	153	20.762	20.720	(1.000)	1267104	20.0000		
	73 Di-n-octylphthalate	149	Compound Not Detected.						
	74 Benzo(b)fluoranthene	252	21.248	21.190	(0.976)	220387	4.42280	88.11	(M)
	75 Benzo(k)fluoranthene	252	21.259	21.228	(0.976)	194204	3.68425	73.40	(M)
	76 Benzo(a)pyrene	252	21.691	21.639	(0.996)	171874	3.75740	74.85	
*	77 Perylene-d12	264	21.772	21.719	(1.000)	693915	20.0000		
	78 Indeno(1,2,3-cd)pyrene	276	23.257	23.215	(1.068)	54397	1.00272	19.98	(M)
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.						
	80 Benzo(g,h,i)perylene	276	23.657	23.616	(1.087)	45369	0.83631 LOQ	16.66	
	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	11.301	11.297	(1.133)	17782	0.86155 LOQ	17.16	
	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: lr71b.d
Lab Smp Id: LR71B
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20767

Calibration Date: 18-OCT-2007
Calibration Time: 10:07
Client Smp ID: AN-SS-02-070927
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	197786	-6.74
27 Naphthalene-d8	656578	328289	1313156	668243	1.78
42 Acenaphthene-d10	353705	176852	707410	428728	21.21
59 Phenanthrene-d10	526440	263220	1052880	772764	46.79
69 Chrysene-d12	581923	290962	1163846	927641	59.41
134 Di-n-octylphthala	979097	489548	1958194	1267104	29.42
77 Perylene-d12	686531	343266	1373062	693915	1.08

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.90	7.40	8.40	7.91	0.12
27 Naphthalene-d8	9.96	9.46	10.46	9.97	0.10
42 Acenaphthene-d10	12.84	12.34	13.34	12.86	0.12
59 Phenanthrene-d10	15.22	14.72	15.72	15.24	0.13
69 Chrysene-d12	19.56	19.06	20.06	19.60	0.21
134 Di-n-octylphthala	20.72	20.22	21.22	20.76	0.20
77 Perylene-d12	21.72	21.22	22.22	21.77	0.24

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: LR71B
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20767

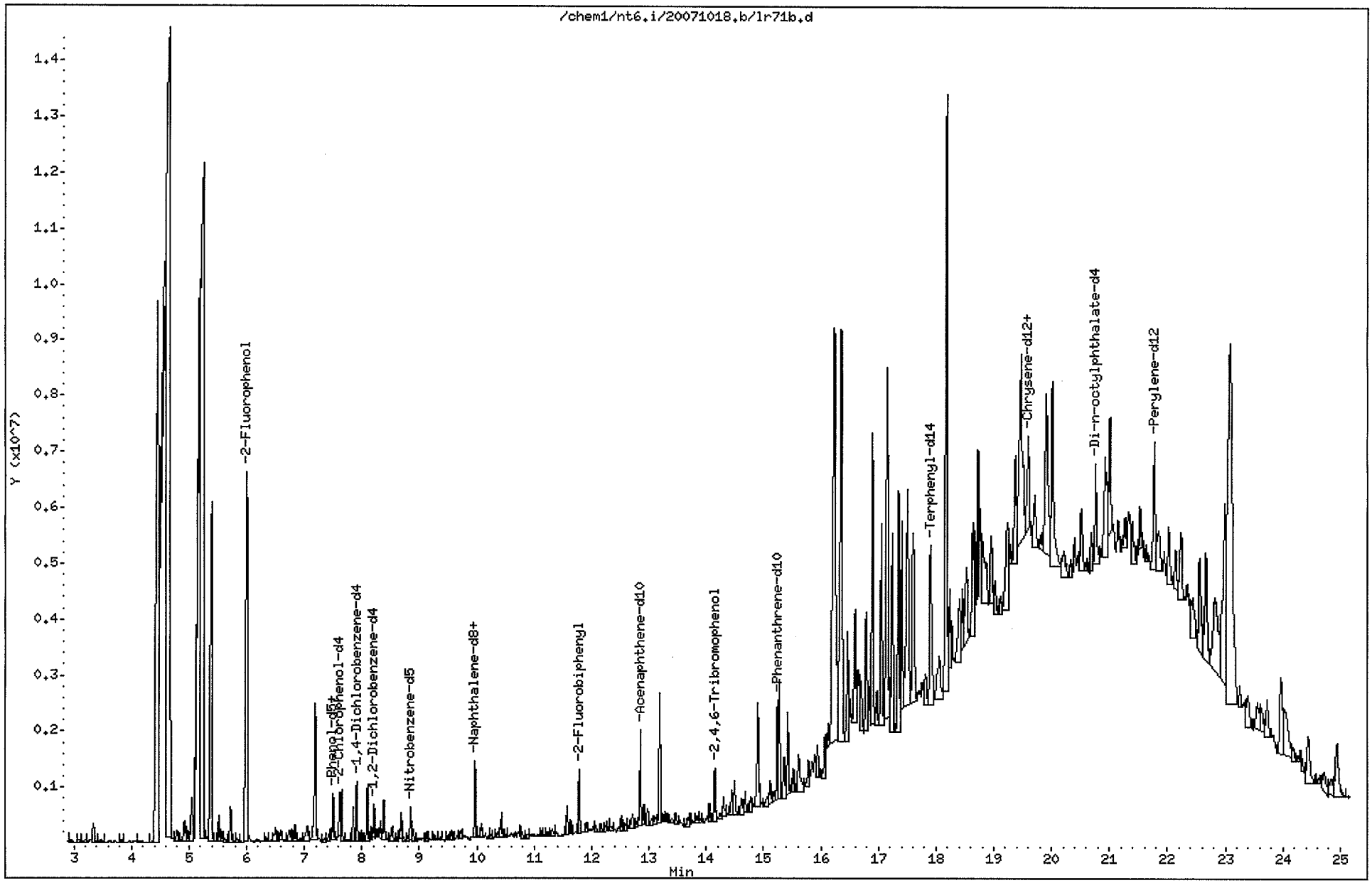
Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-02-070927
Operator: LJR/VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	747.1	471.6	63.13	11-84
$ 2 Phenol-d5	747.1	409.5	54.82	25-86
$ 5 2-Chlorophenol-d4	747.1	405.7	54.31	23-91
$ 10 1,2-Dichlorobenzen	498.0	223.9	44.96	24-90
$ 18 Nitrobenzene-d5	498.0	243.7	48.92	26-88
$ 36 2-Fluorobiphenyl	498.0	244.5	49.09	34-91
$ 55 2,4,6-Tribromophen	747.1	475.9	63.70	25-107
$ 66 Terphenyl-d14	498.0	319.6	64.17	22-100

Data File: /chem1/nt6.i/20071018.b/lr71b.d
Date : 18-OCT-2007 15:13
Client ID: AN-SS-02-070927
Sample Info: LR71B
Volume Injected (uL): 1.0
Column phase: ZB-5

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

0230



Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

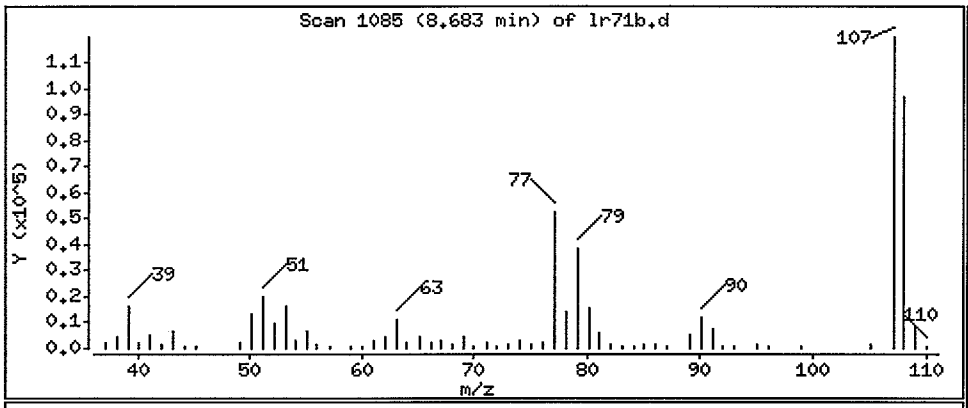
Client ID: AN-SS-02-070927 Instrument: nt6.i

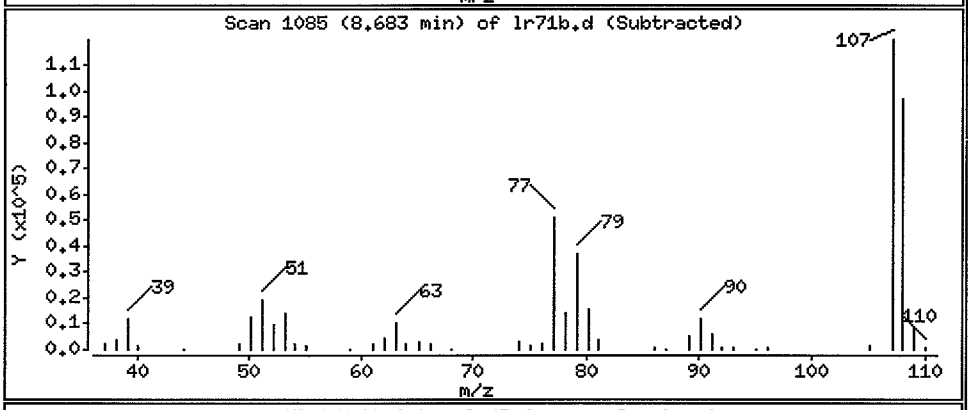
Sample Info: LR71B

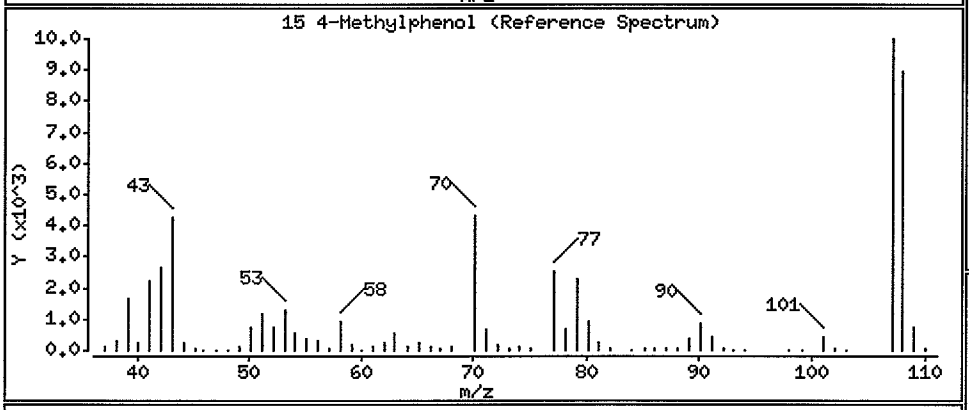
Volume Injected (uL): 1.0 Operator: LJR/VTS

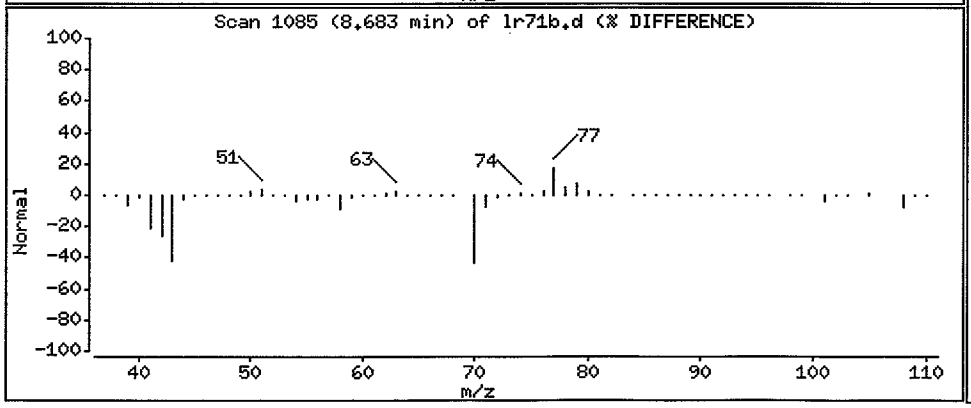
Column phase: ZB-5 Column diameter: 0.32

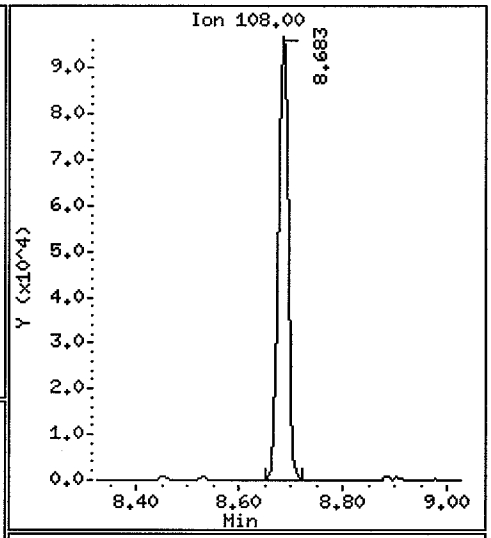
15 4-Methylphenol Concentration: 180.3 ug/kg

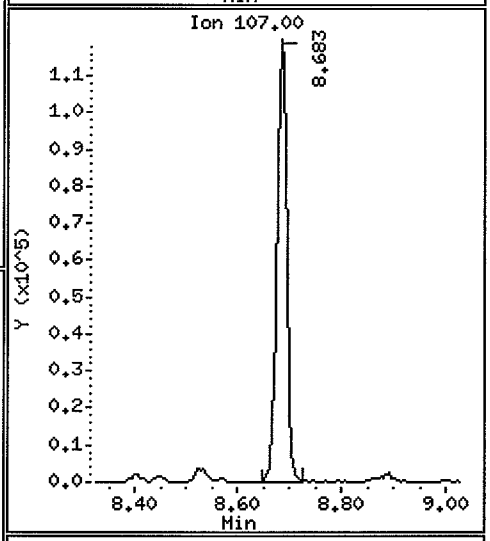


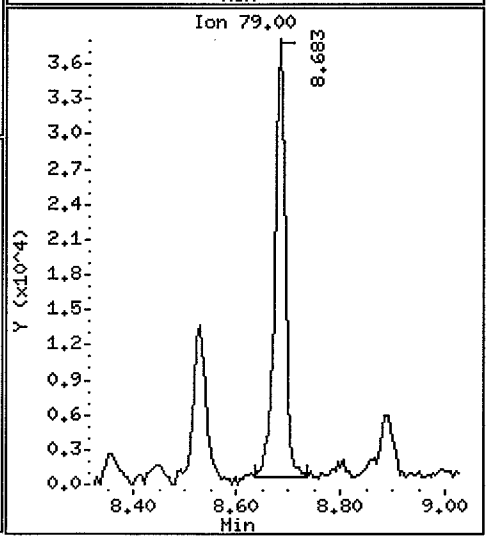












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

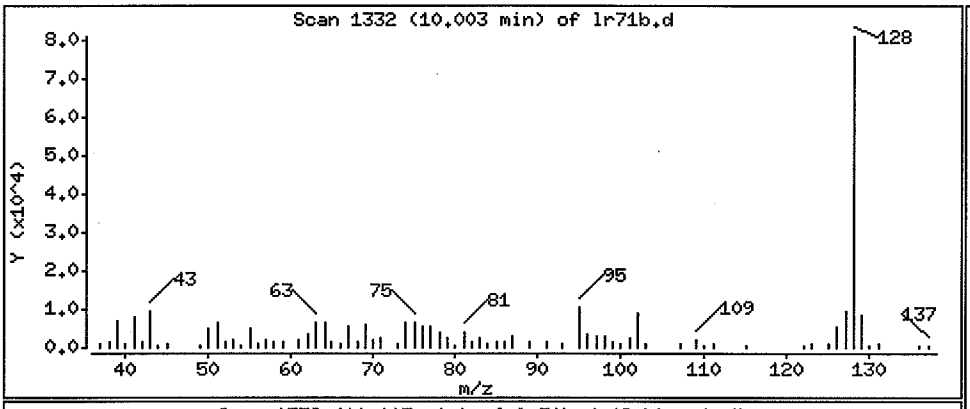
Client ID: AN-SS-02-070927 Instrument: nt6.i

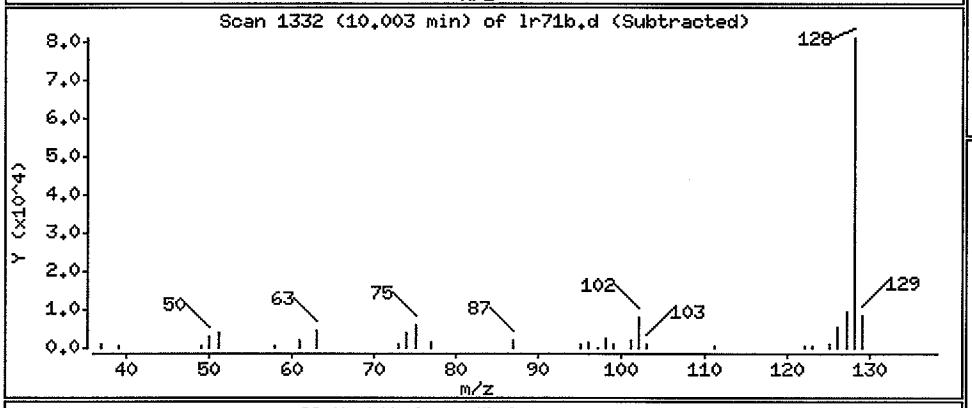
Sample Info: LR71B

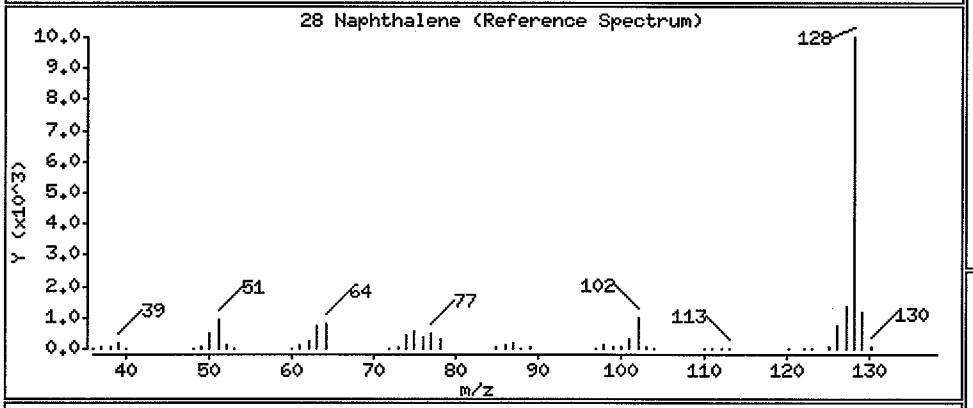
Volume Injected (uL): 1.0 Operator: LJR/VTS

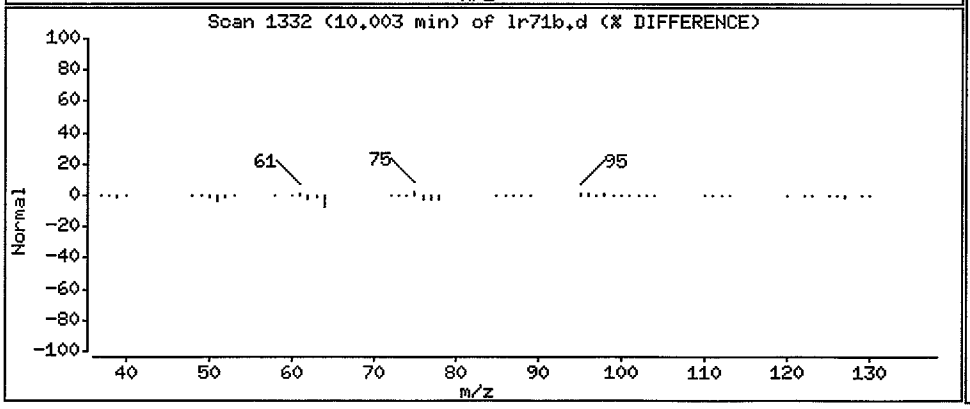
Column phase: ZB-5 Column diameter: 0.32

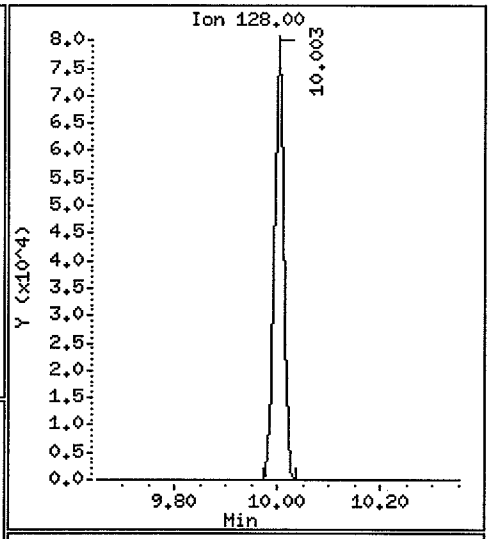
28 Naphthalene Concentration: 46.77 ug/kg

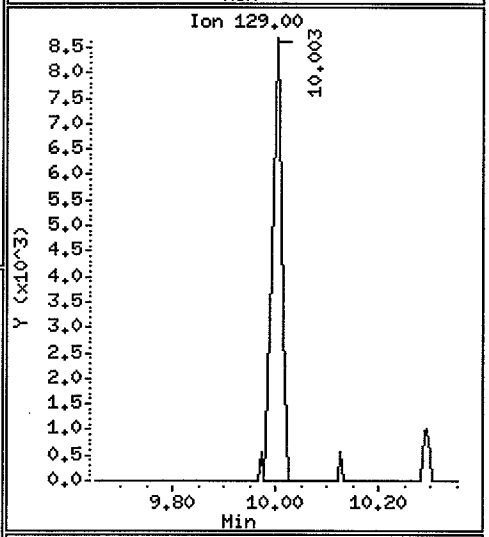


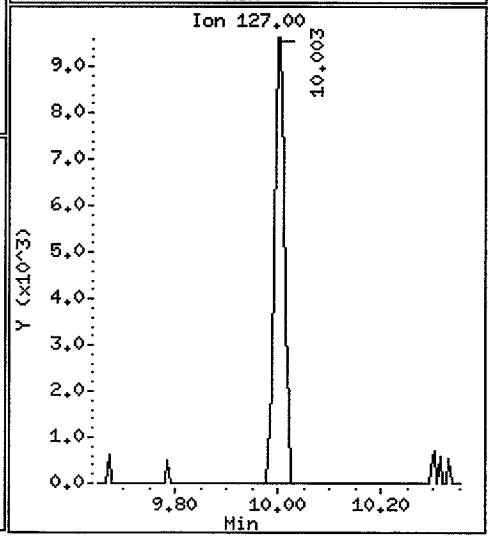












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

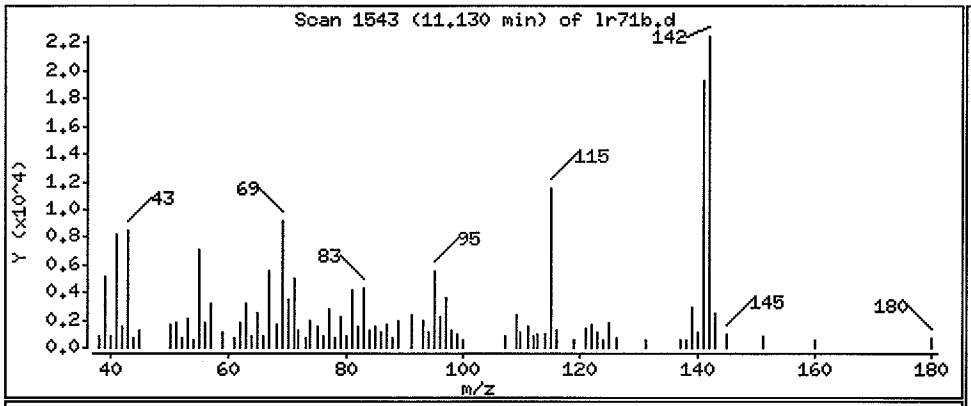
Client ID: AN-SS-02-070927 Instrument: nt6.i

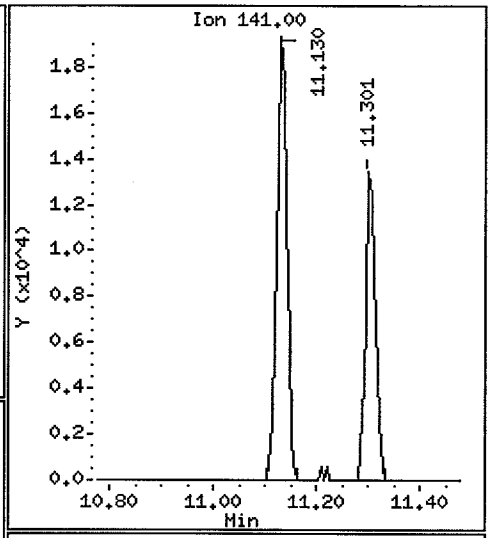
Sample Info: LR71B

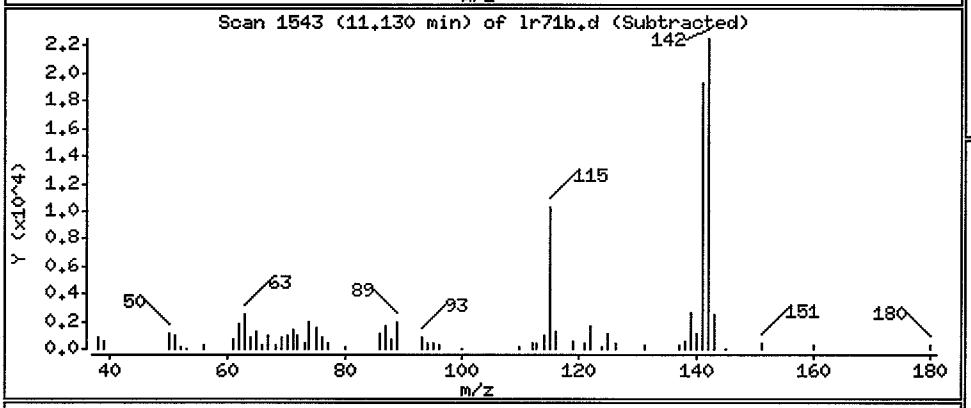
Volume Injected (uL): 1.0 Operator: LJR/VTS

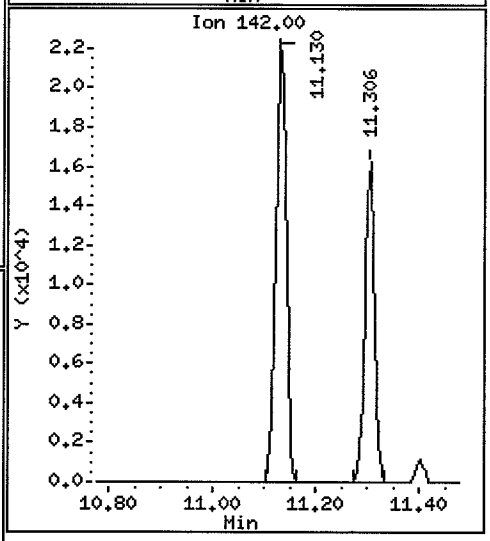
Column phase: ZB-5 Column diameter: 0.32

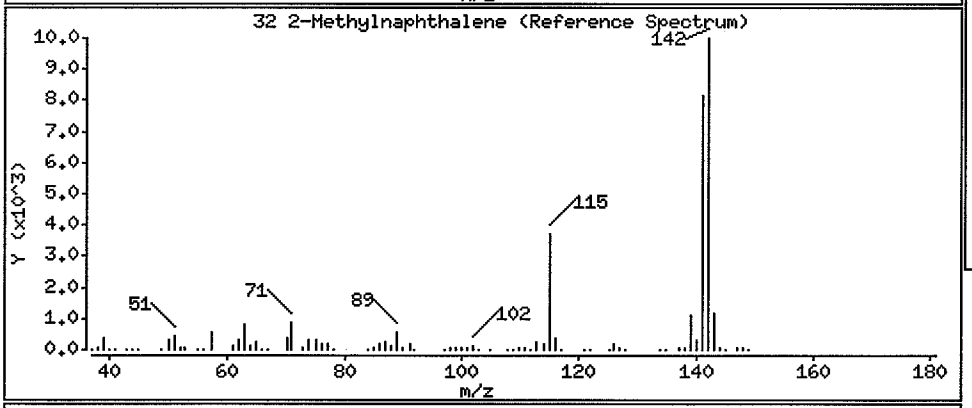
32 2-Methylnaphthalene Concentration: 24.73 ug/kg

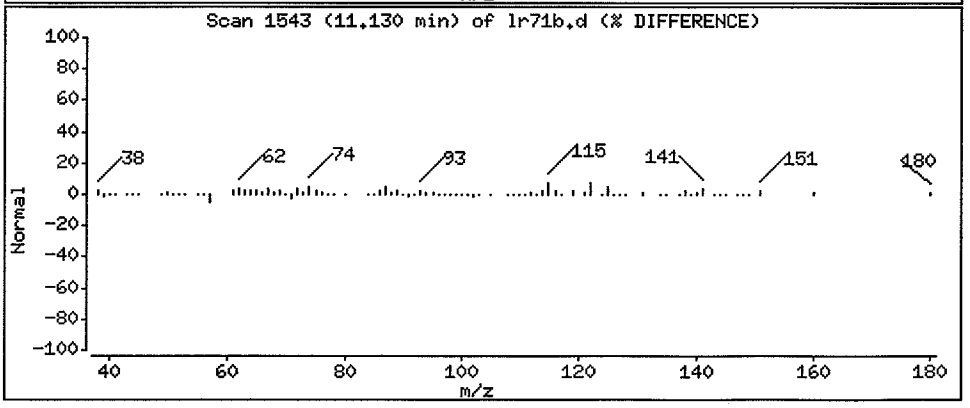












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

Client ID: AN-SS-02-070927

Instrument: nt6.i

Sample Info: LR71B

Volume Injected (uL): 1.0

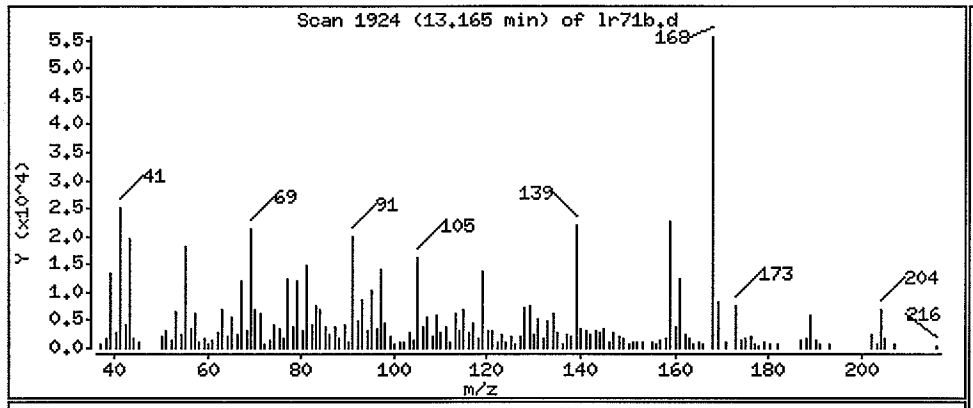
Operator: LJR/VTS

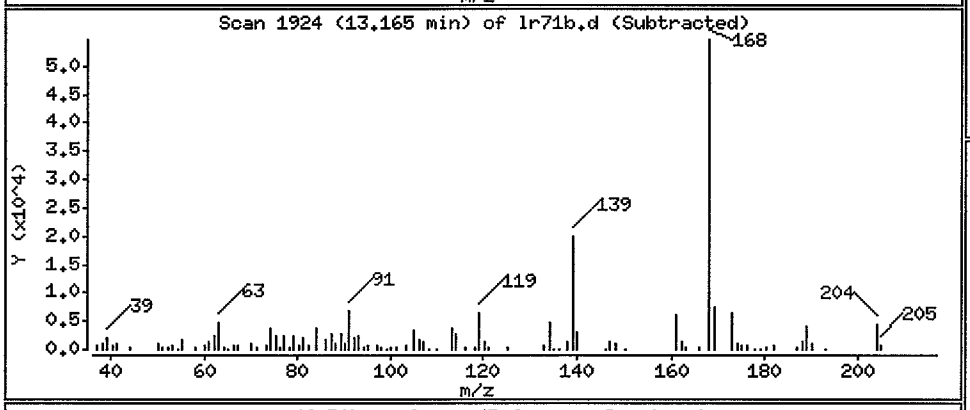
Column phase: ZB-5

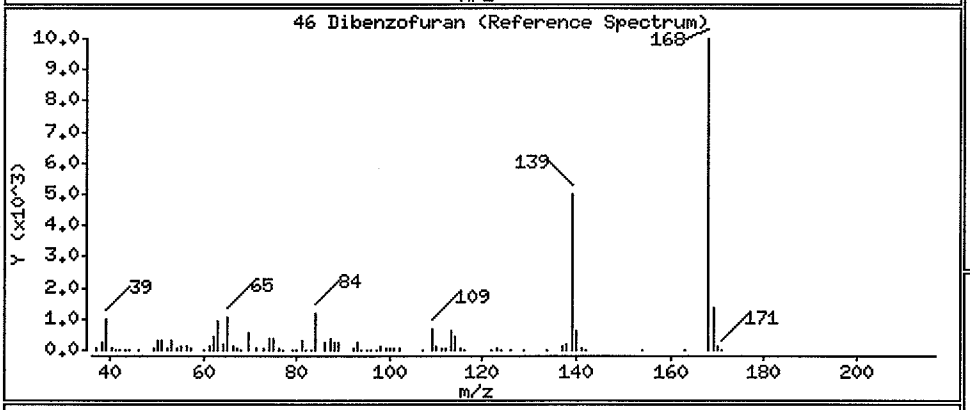
Column diameter: 0.32

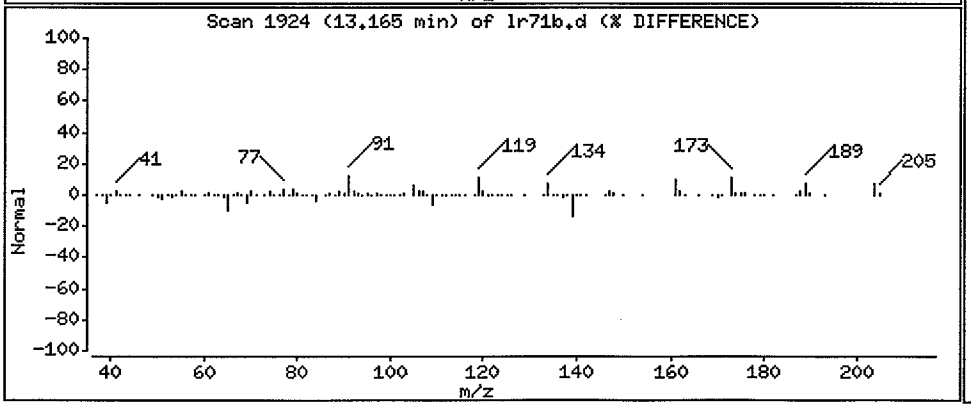
46 Dibenzofuran

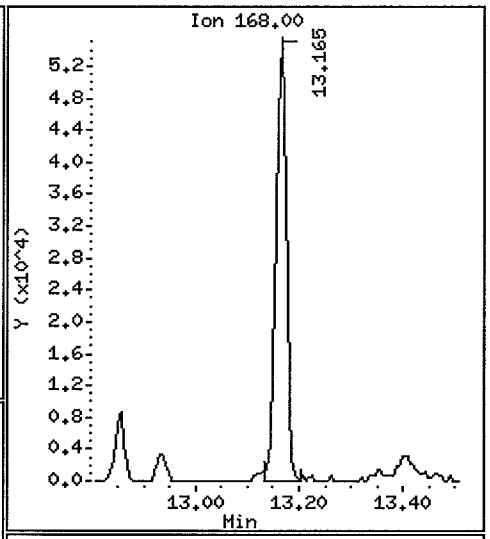
Concentration: 39.42 ug/kg

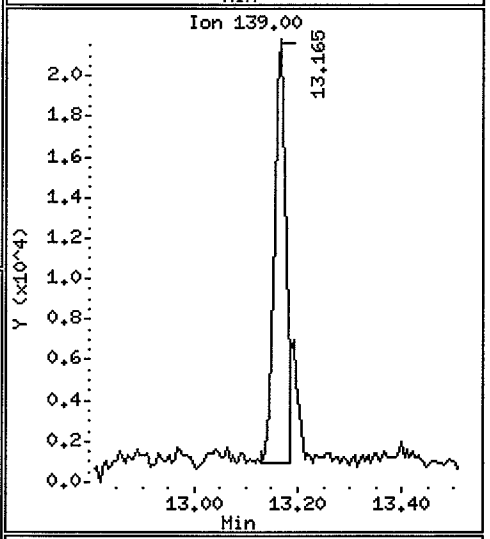


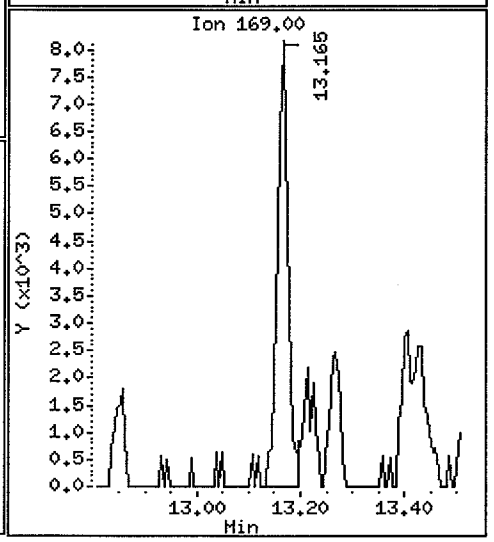












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

Client ID: AN-SS-02-070927

Instrument: nt6.i

Sample Info: LR71B

Volume Injected (uL): 1.0

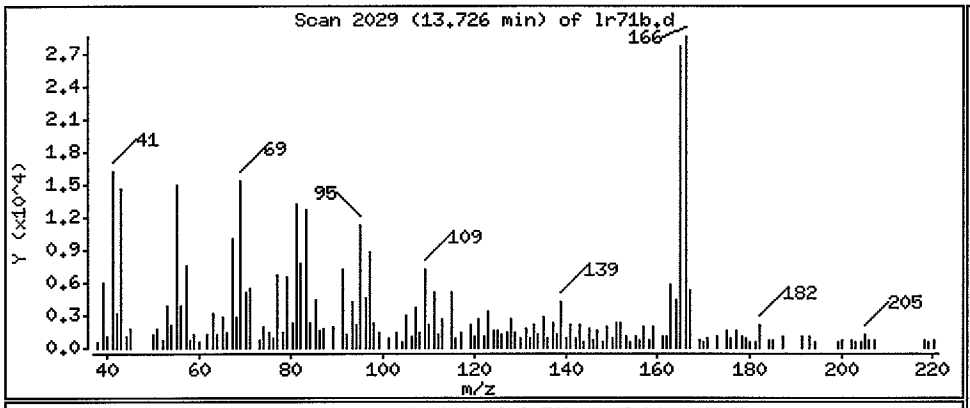
Operator: LJR/VTS

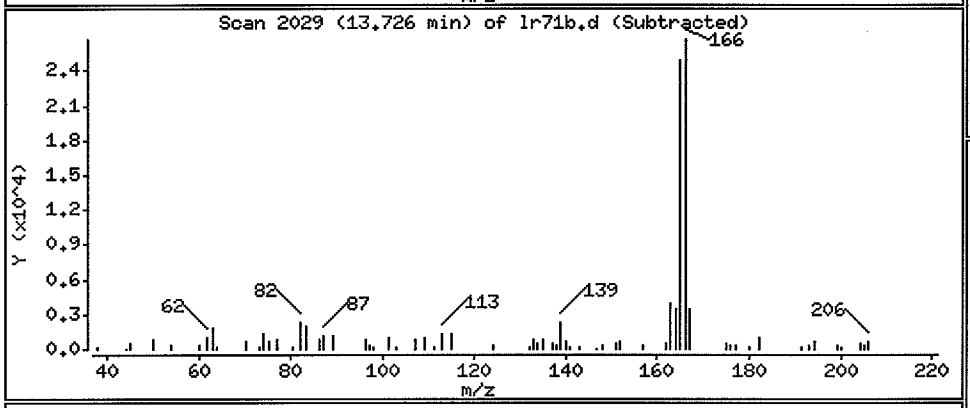
Column phase: ZB-5

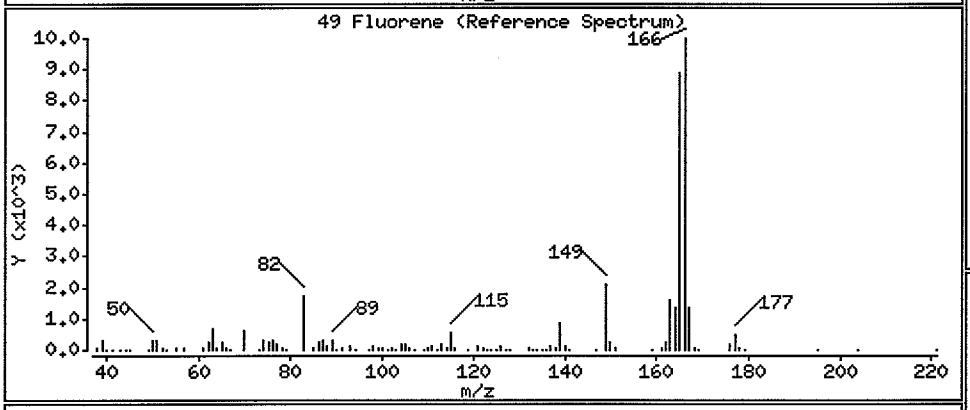
Column diameter: 0.32

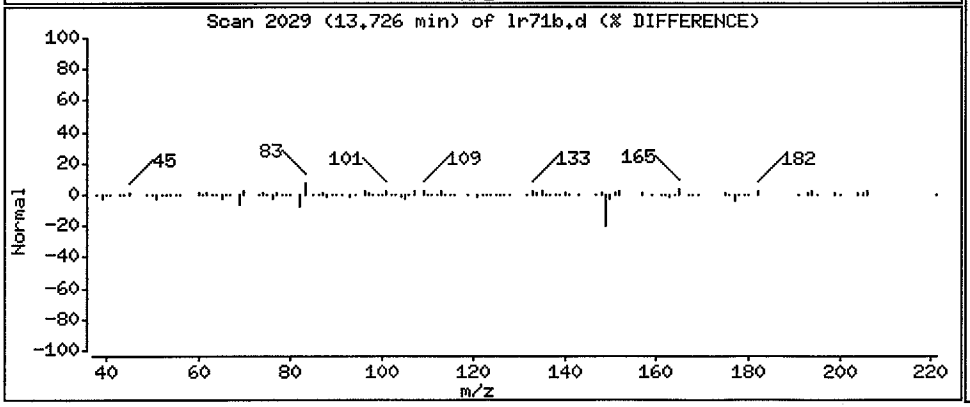
49 Fluorene

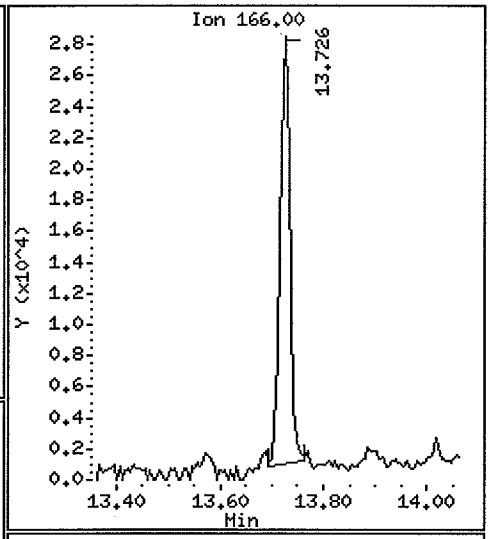
Concentration: 23.62 ug/kg

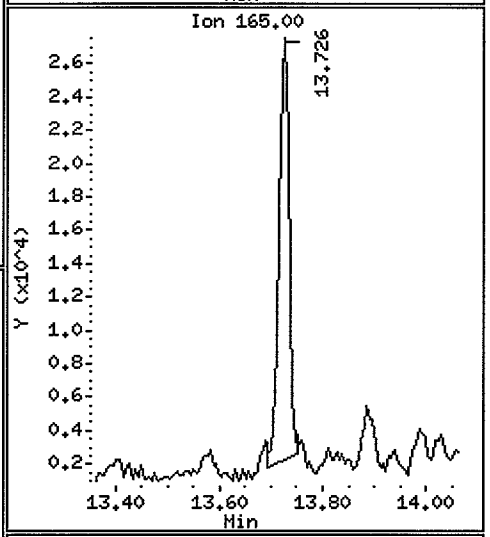


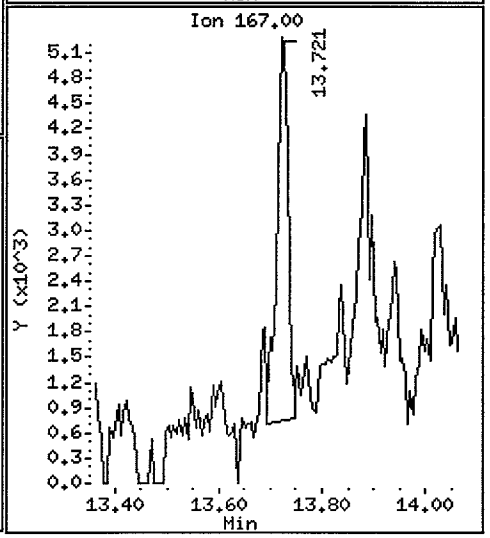












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

Client ID: AN-SS-02-070927

Instrument: nt6.i

Sample Info: LR71B

Volume Injected (uL): 1.0

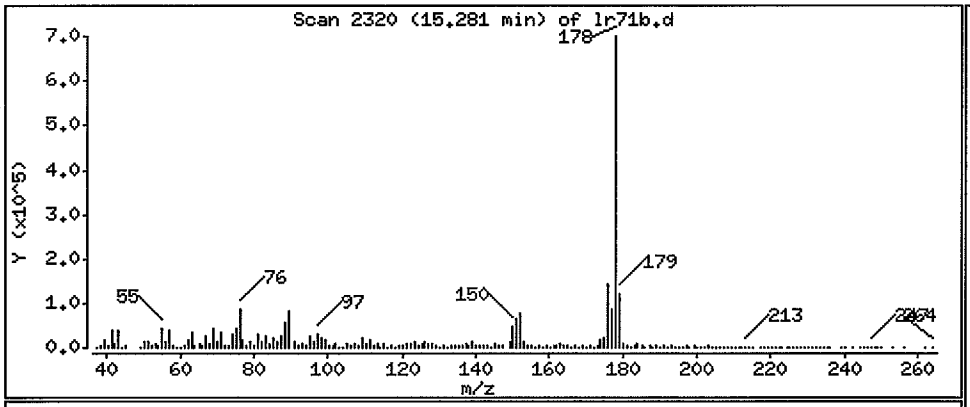
Operator: LJR/VTS

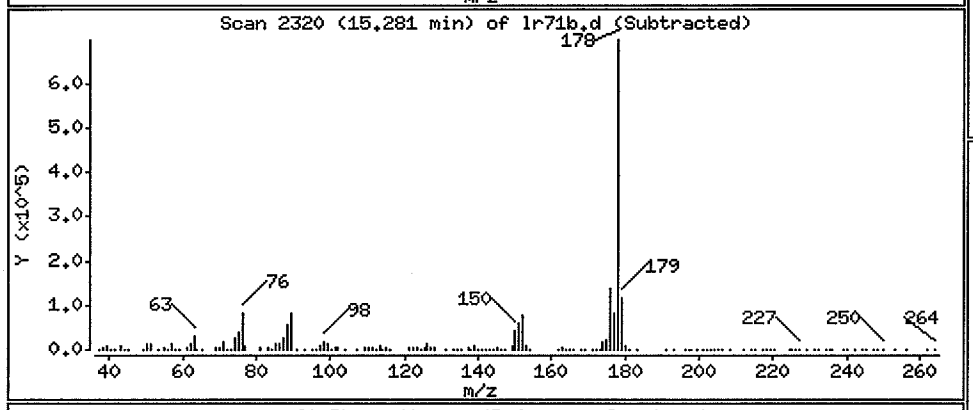
Column phase: ZB-5

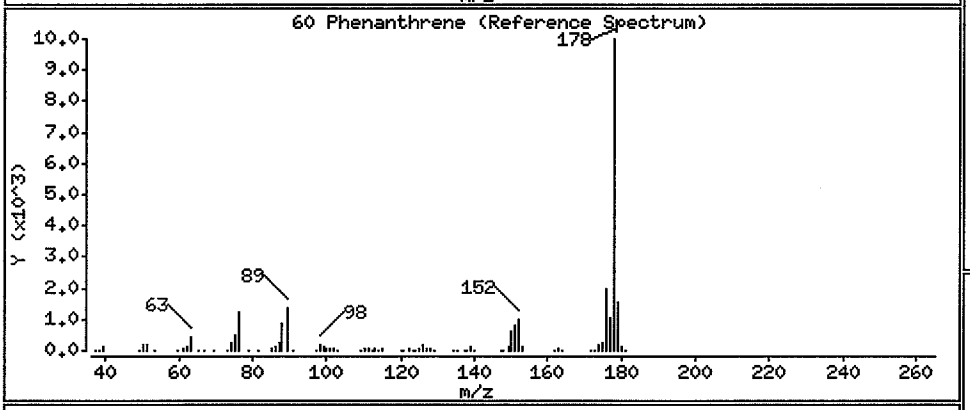
Column diameter: 0.32

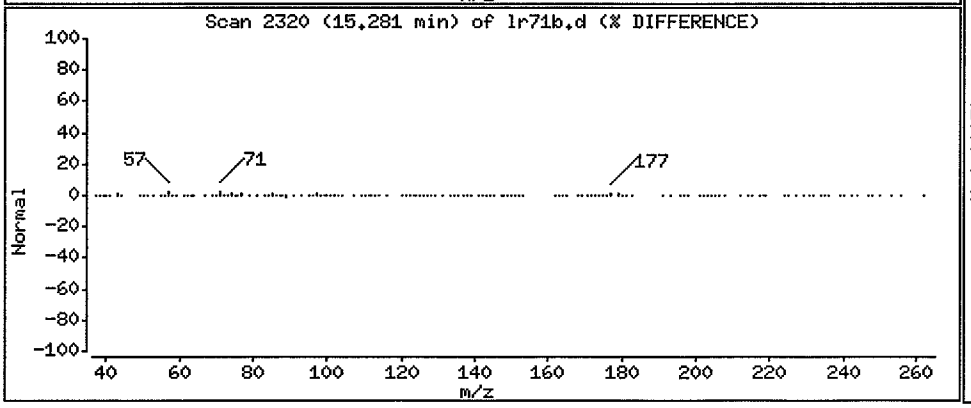
60 Phenanthrene

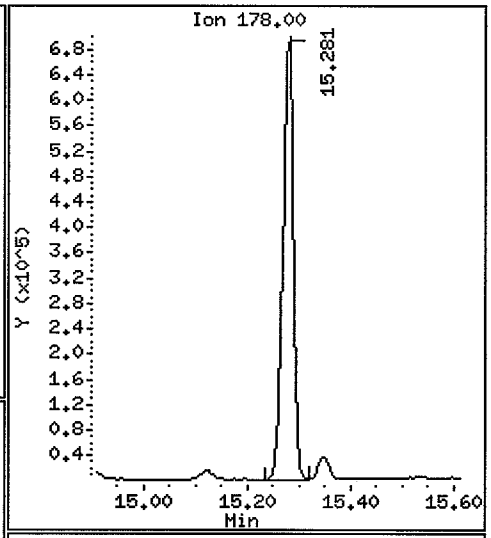
Concentration: 395.9 ug/kg

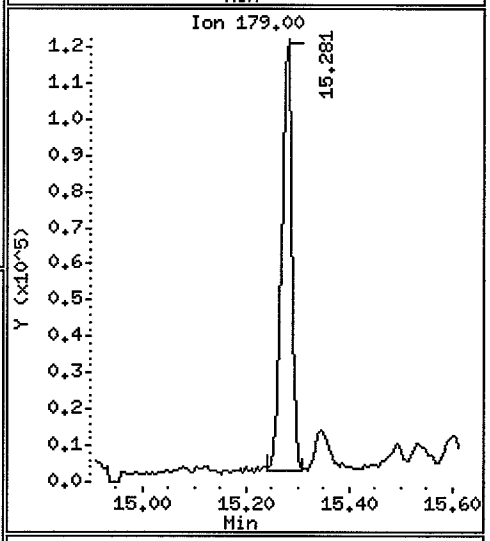


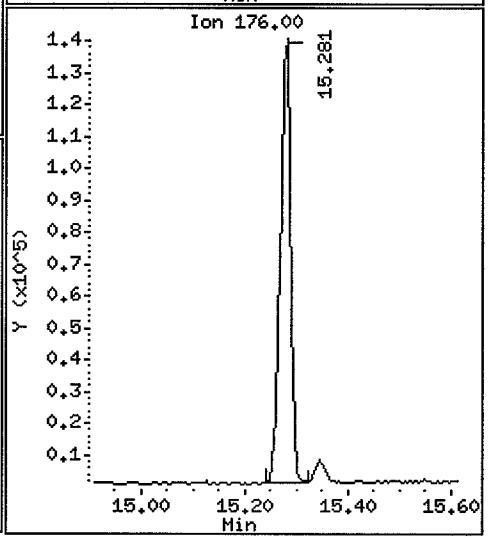












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

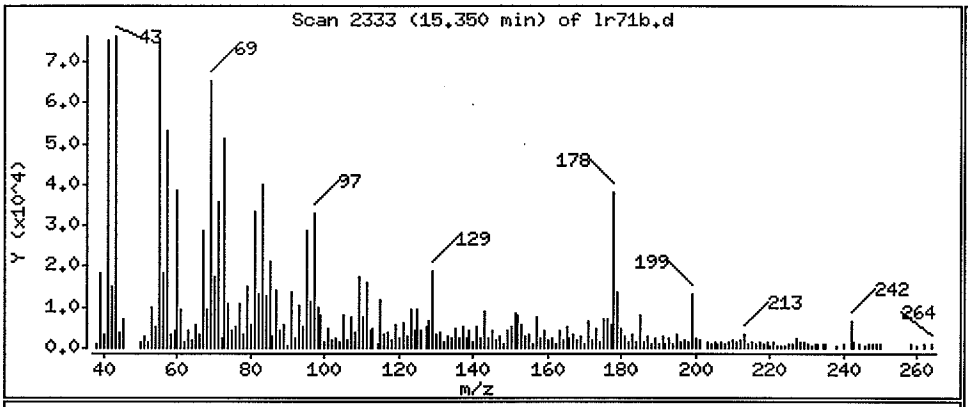
Client ID: AN-SS-02-070927 Instrument: nt6.i

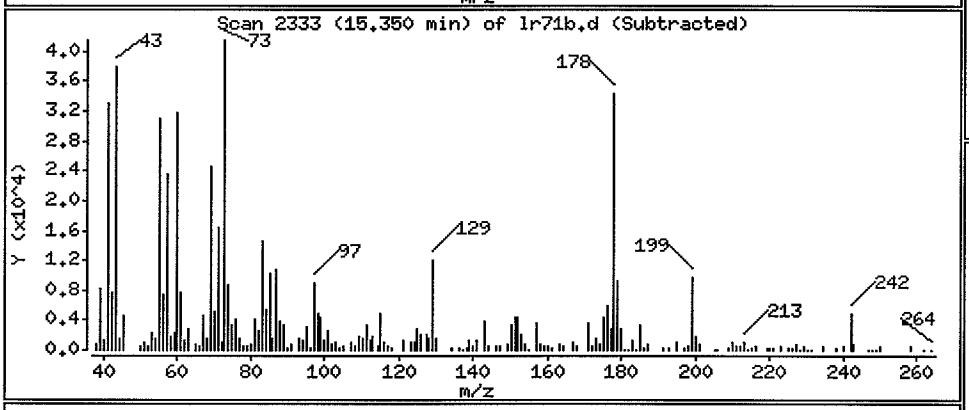
Sample Info: LR71B

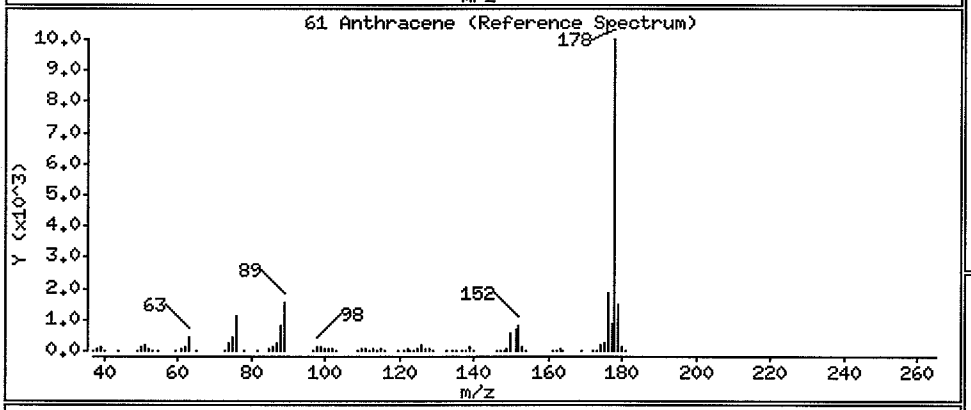
Volume Injected (uL): 1.0 Operator: LJR/VTS

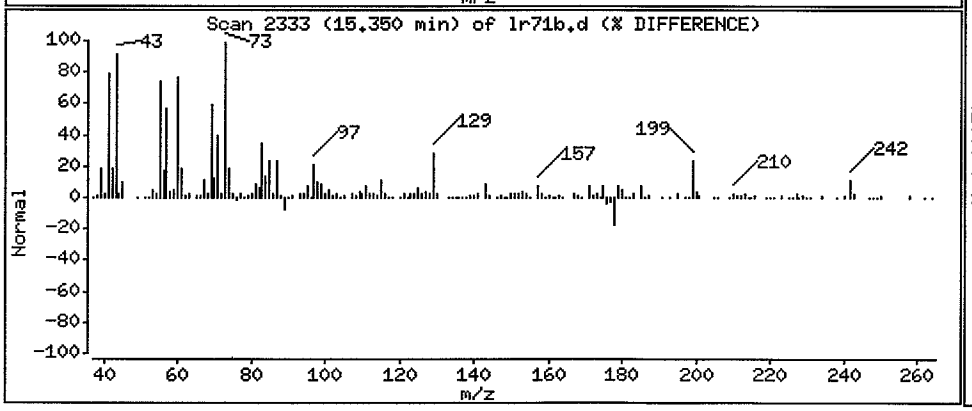
Column phase: ZB-5 Column diameter: 0.32

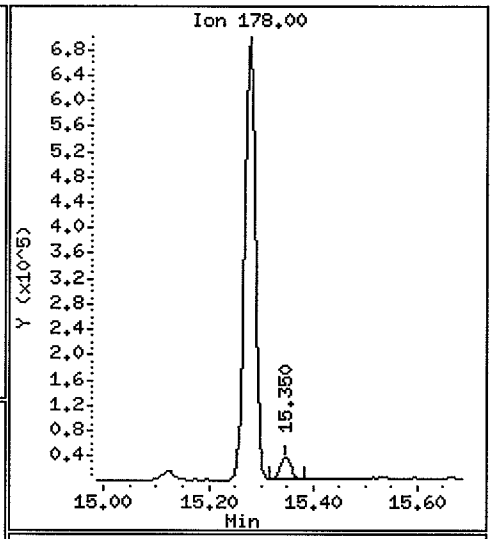
61 Anthracene Concentration: 20.15 ug/kg

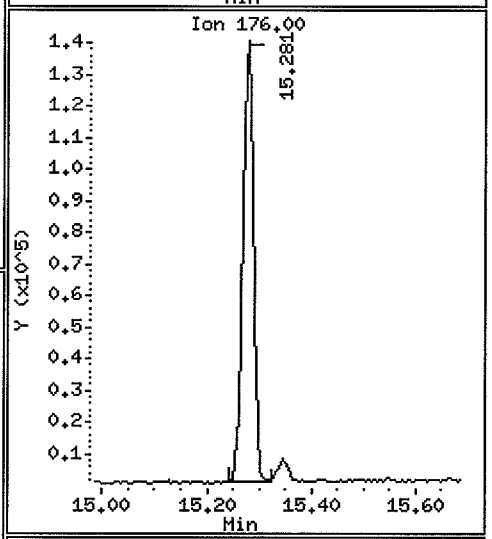


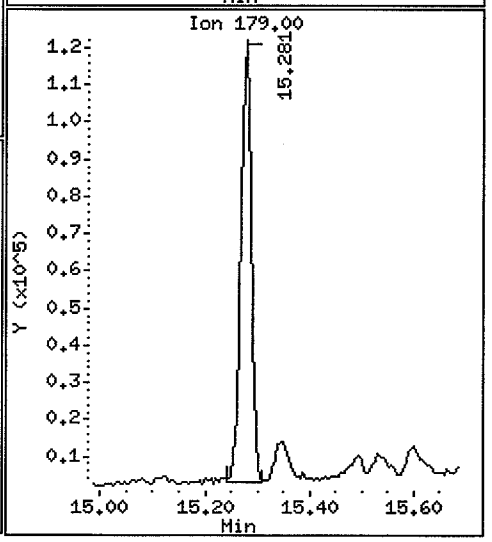












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

Client ID: AN-SS-02-070927

Instrument: nt6.i

Sample Info: LR71B

Volume Injected (uL): 1.0

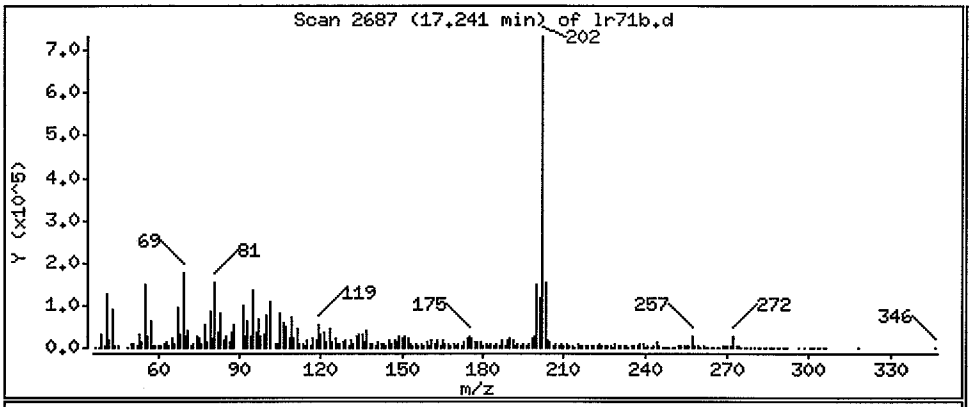
Operator: LJR/VTS

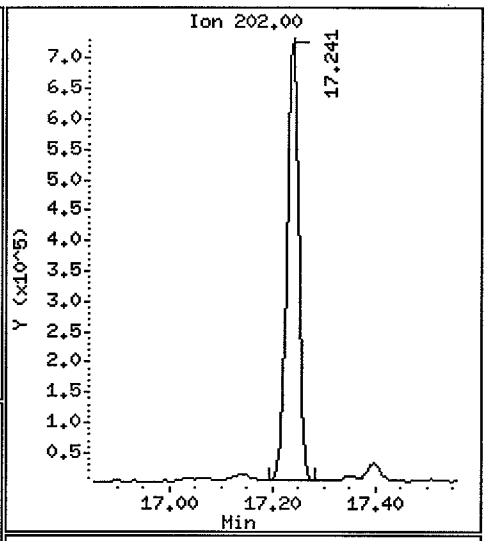
Column phase: ZB-5

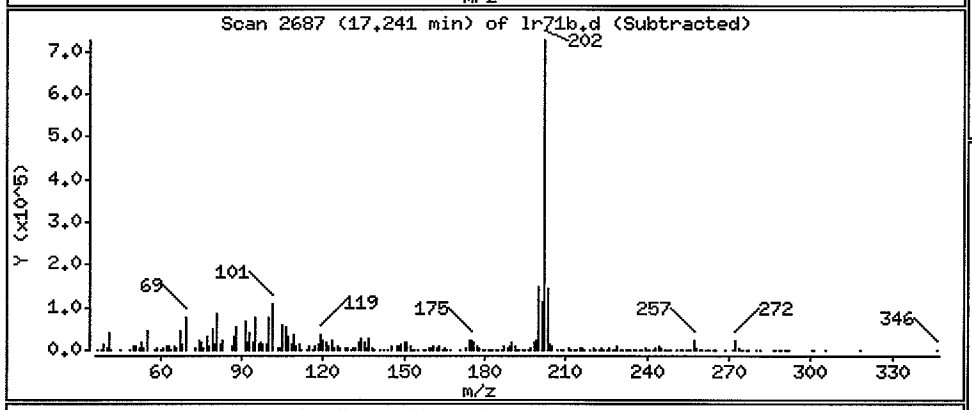
Column diameter: 0.32

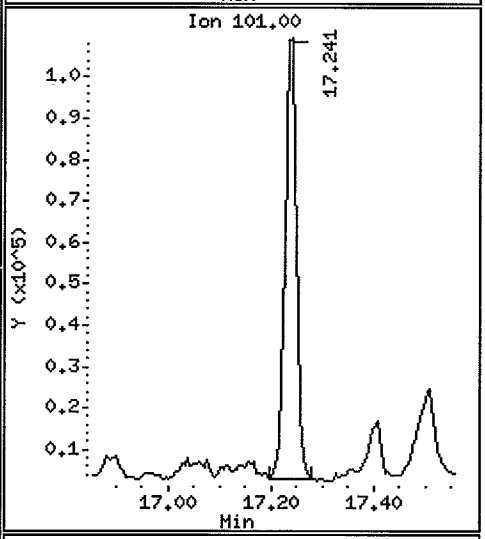
64 Fluoranthene

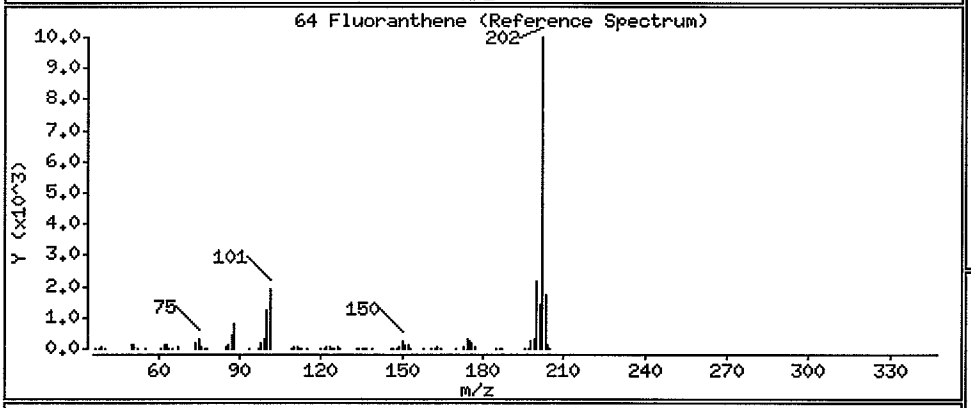
Concentration: 408.1 ug/kg

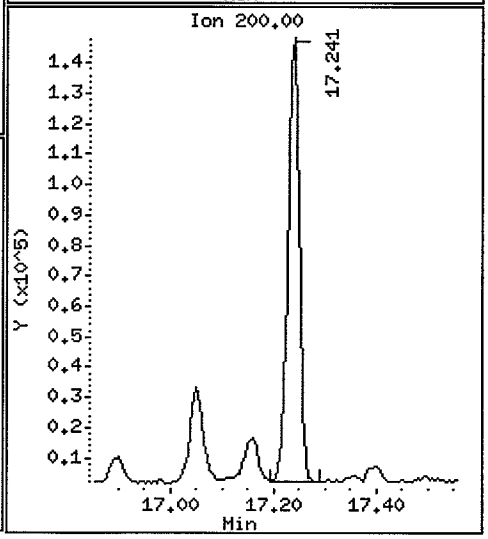


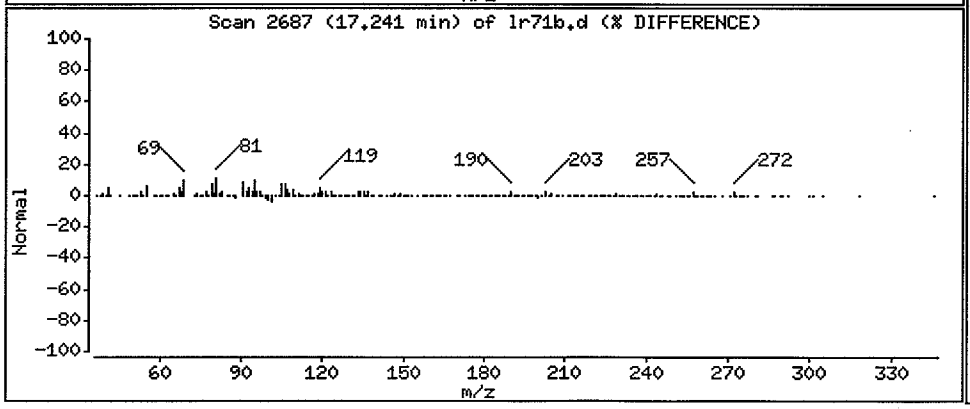












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

Client ID: AN-SS-02-070927

Instrument: nt6.i

Sample Info: LR71B

Volume Injected (uL): 1.0

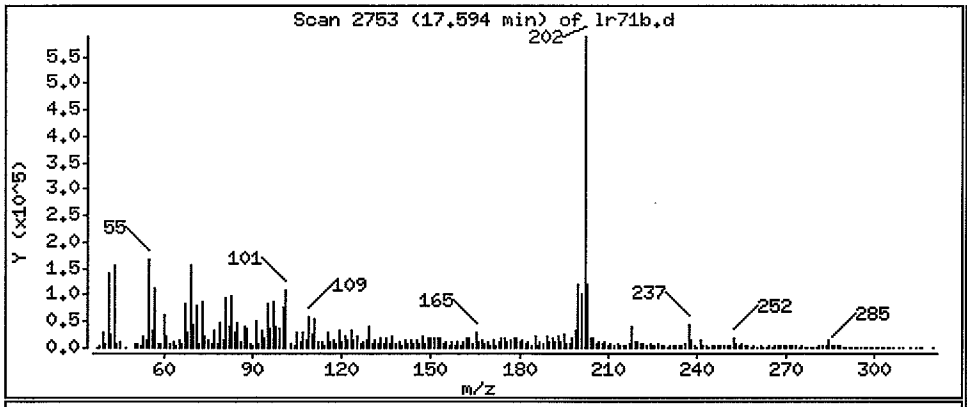
Operator: LJR/VTS

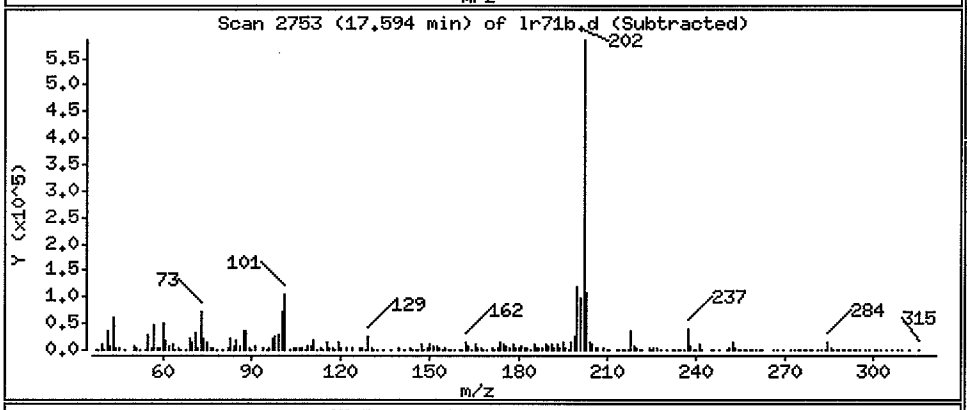
Column phase: ZB-5

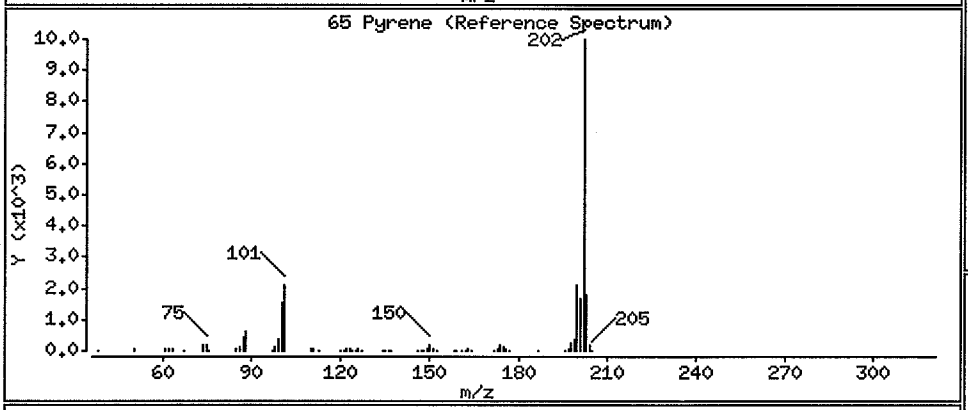
Column diameter: 0.32

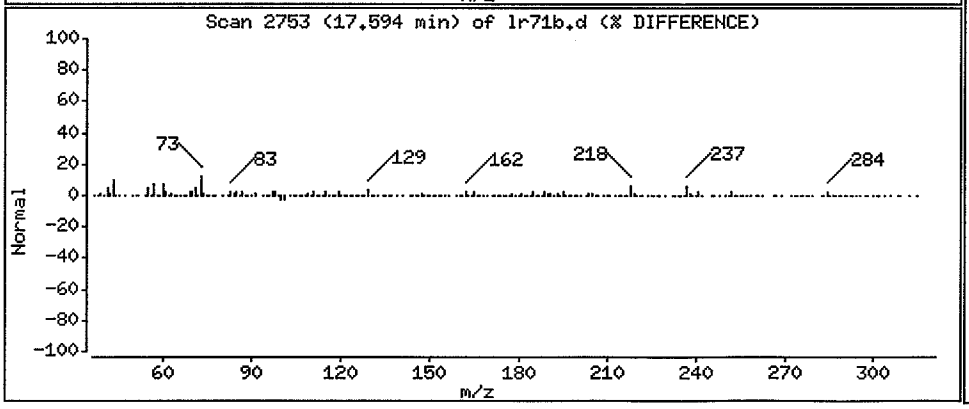
65 Pyrene

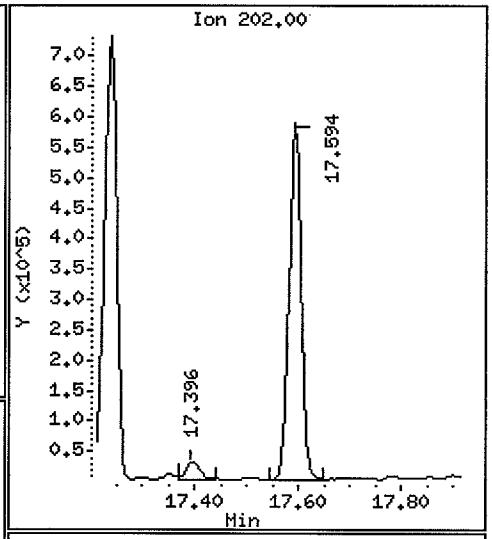
Concentration: 290.9 ug/kg

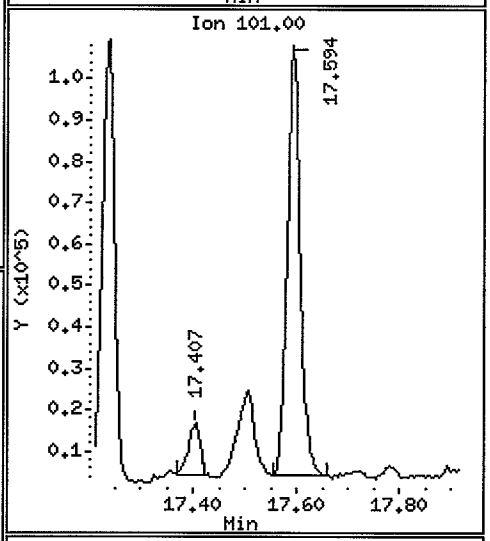


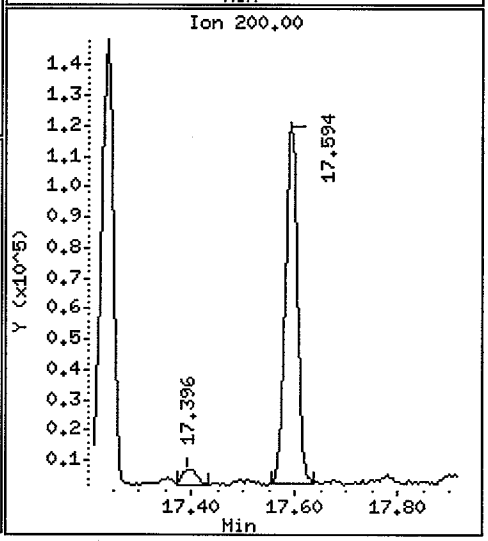












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

Client ID: AN-SS-02-070927

Instrument: nt6.i

Sample Info: LR71B

Volume Injected (uL): 1.0

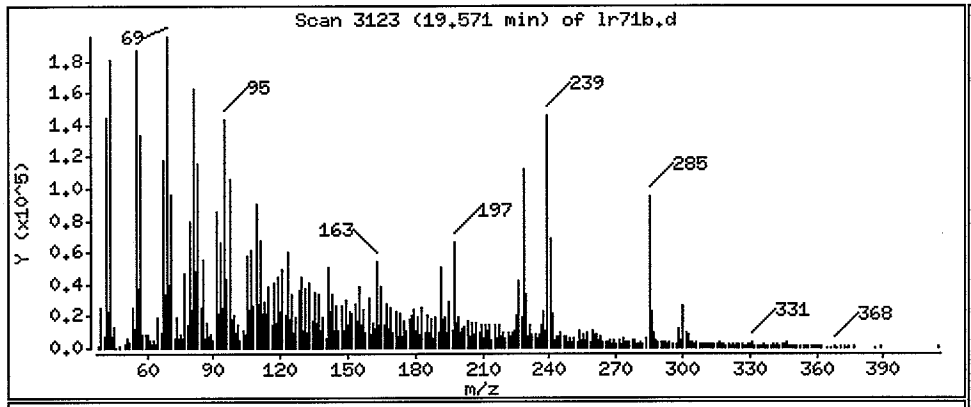
Operator: LJR/VTS

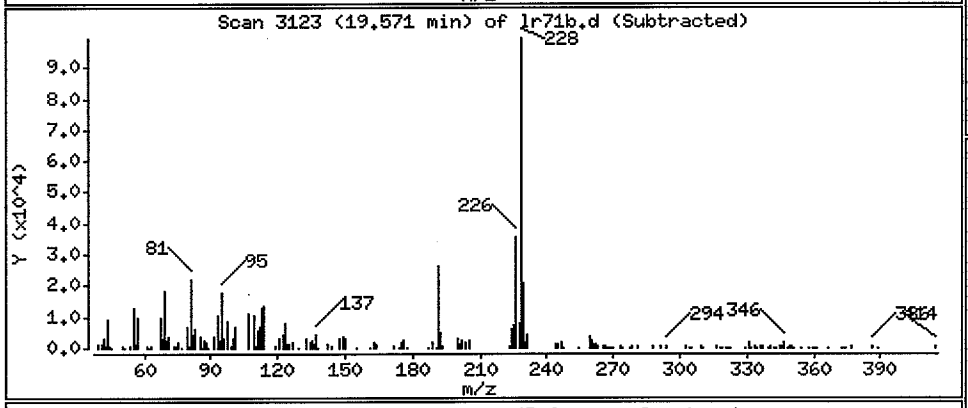
Column phase: ZB-5

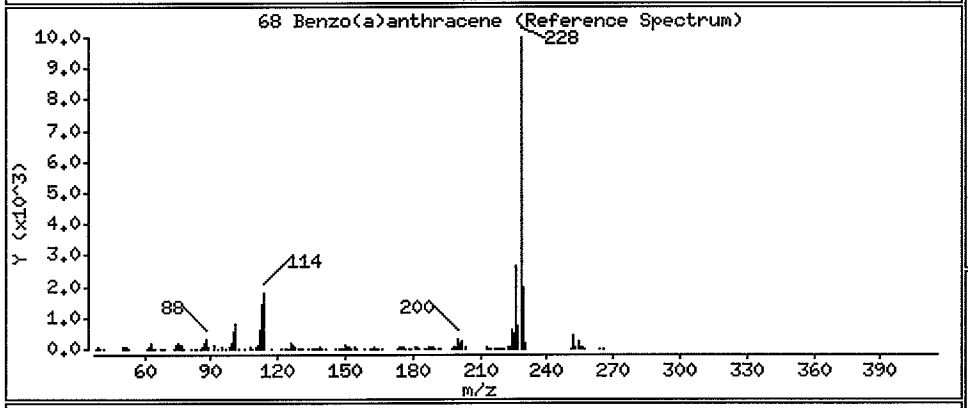
Column diameter: 0.32

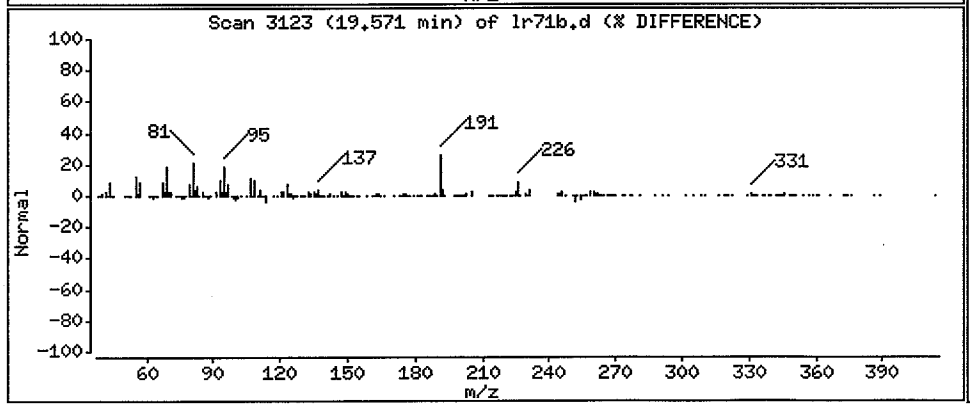
68 Benzo(a)anthracene

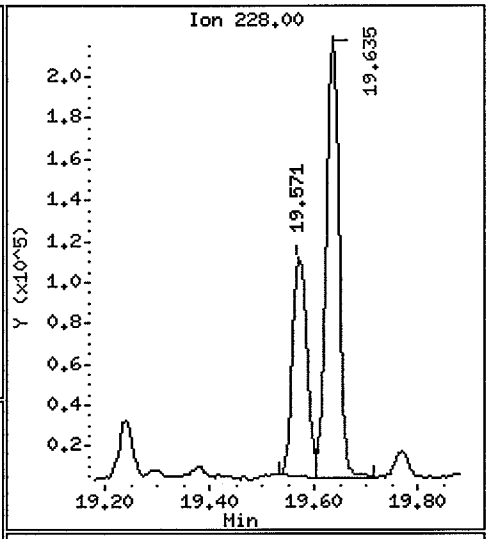
Concentration: 56.05 ug/kg

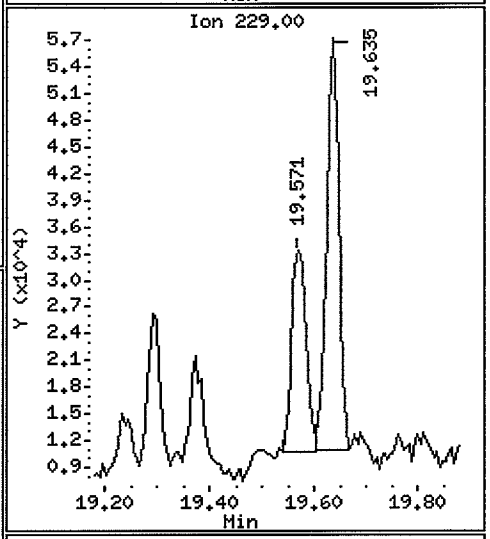


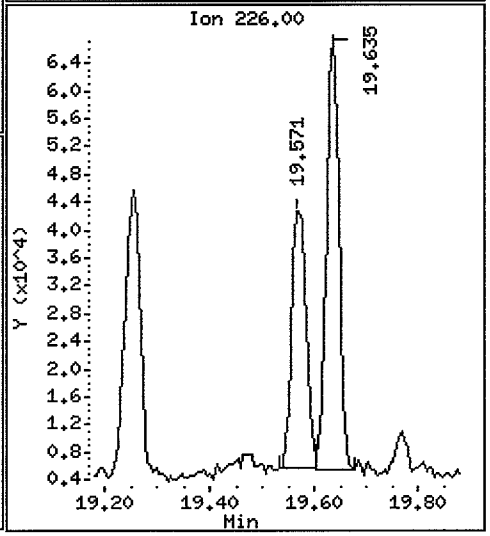












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

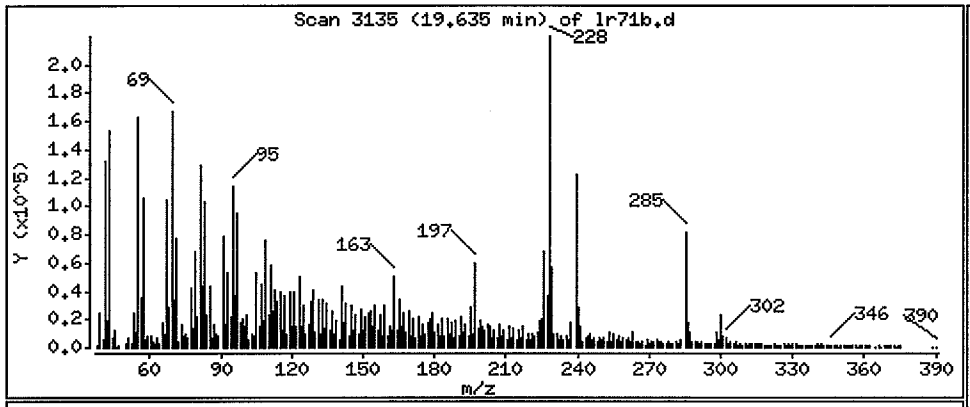
Client ID: AN-SS-02-070927 Instrument: nt6.i

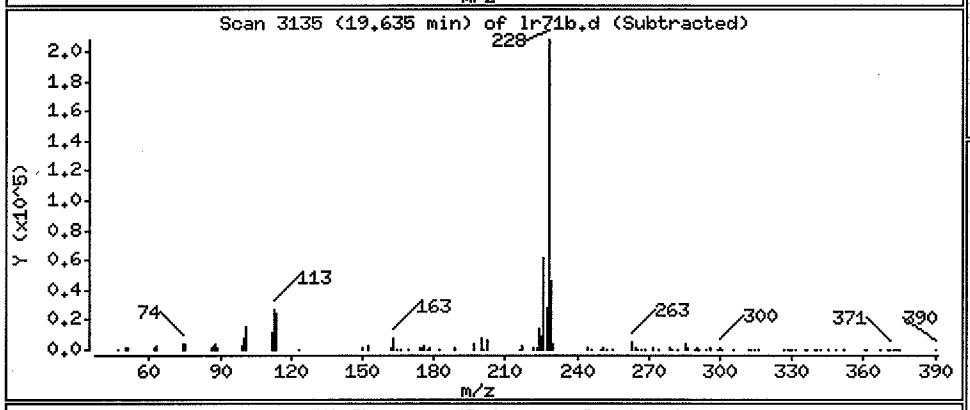
Sample Info: LR71B

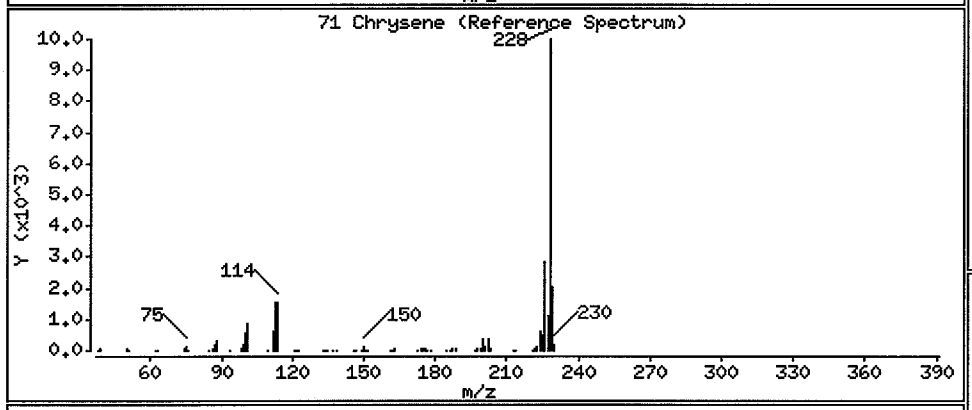
Volume Injected (uL): 1.0 Operator: LJR/VTS

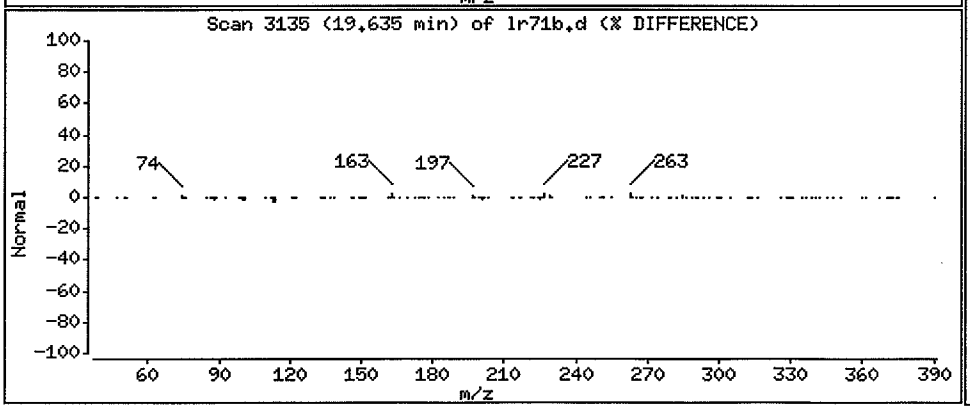
Column phase: ZB-5 Column diameter: 0.32

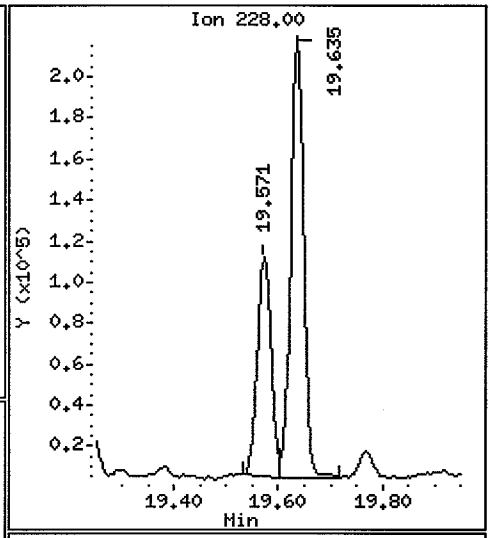
71 Chrysene Concentration: 113.0 ug/kg

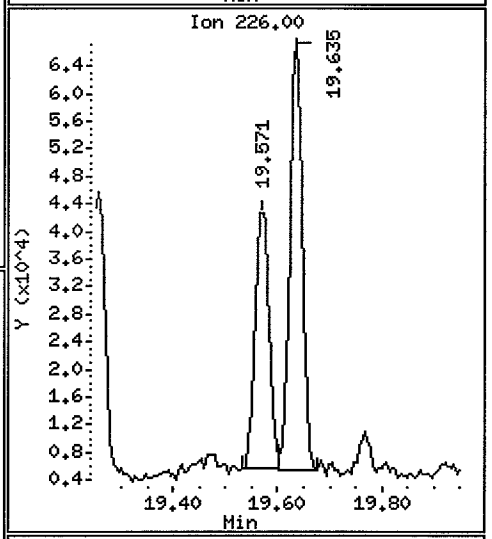


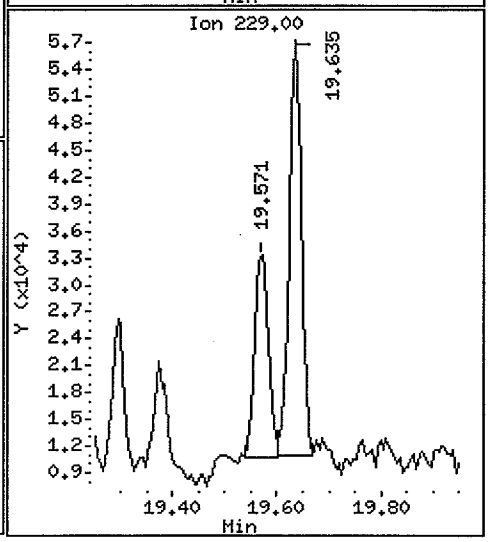












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

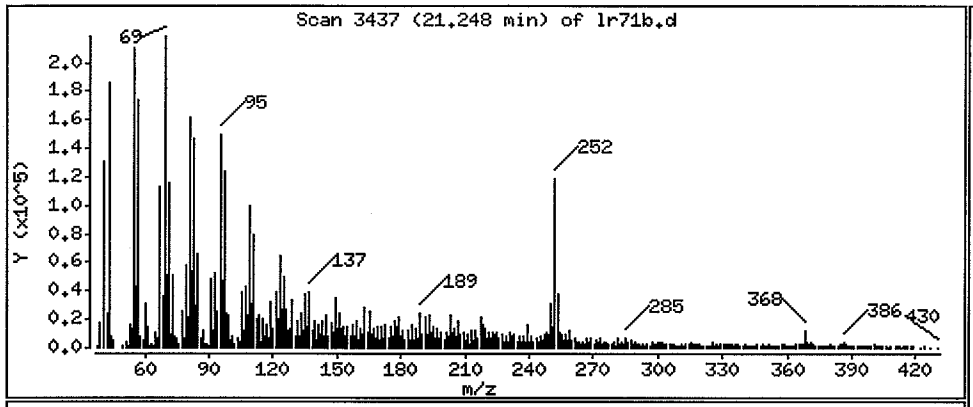
Client ID: AN-SS-02-070927 Instrument: nt6.i

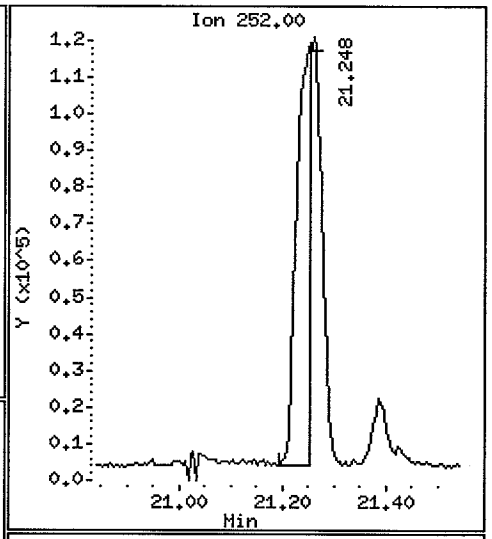
Sample Info: LR71B

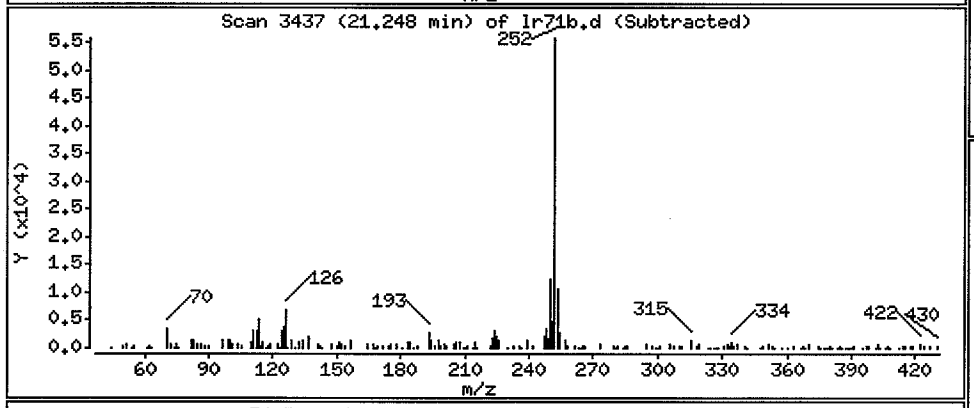
Volume Injected (uL): 1.0 Operator: LJR/VTS

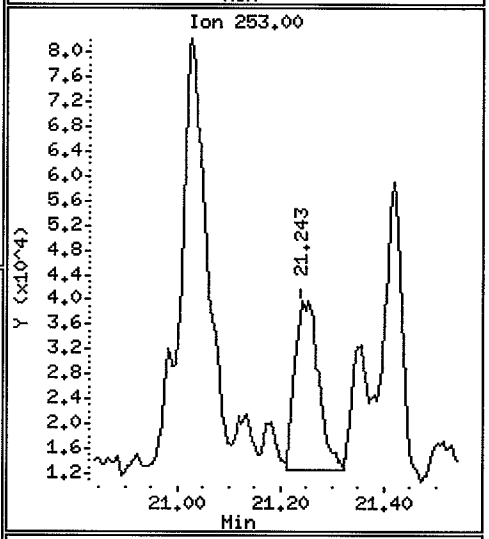
Column phase: ZB-5 Column diameter: 0.32

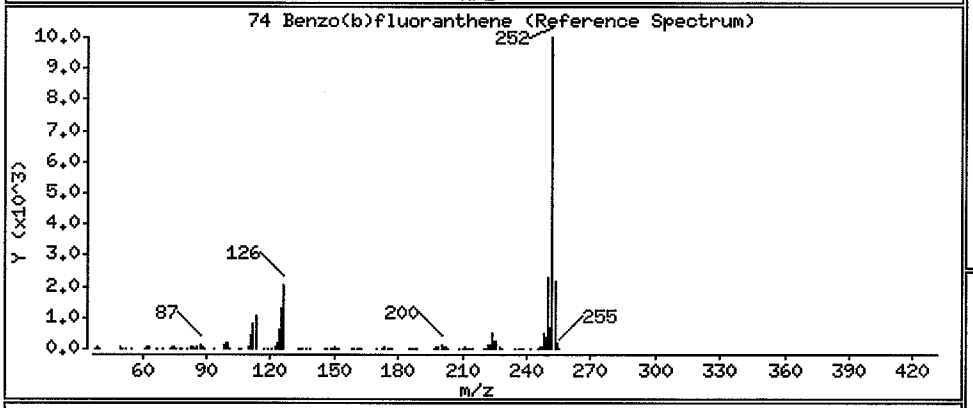
74 Benzo(b)fluoranthene Concentration: 88.11 ug/kg

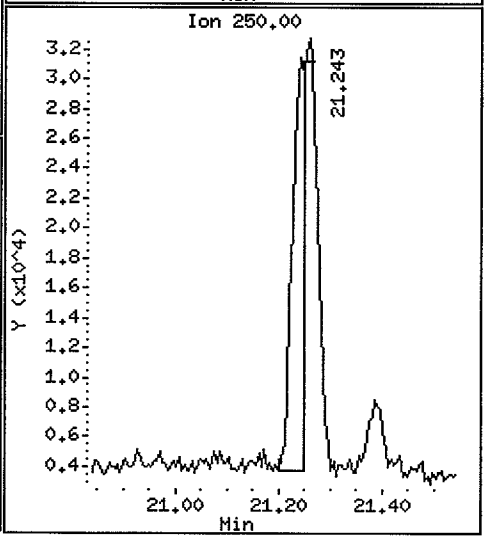


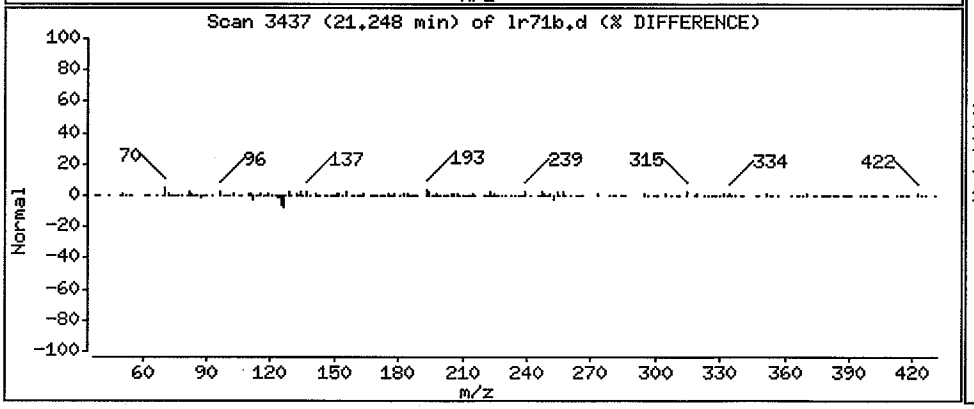












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

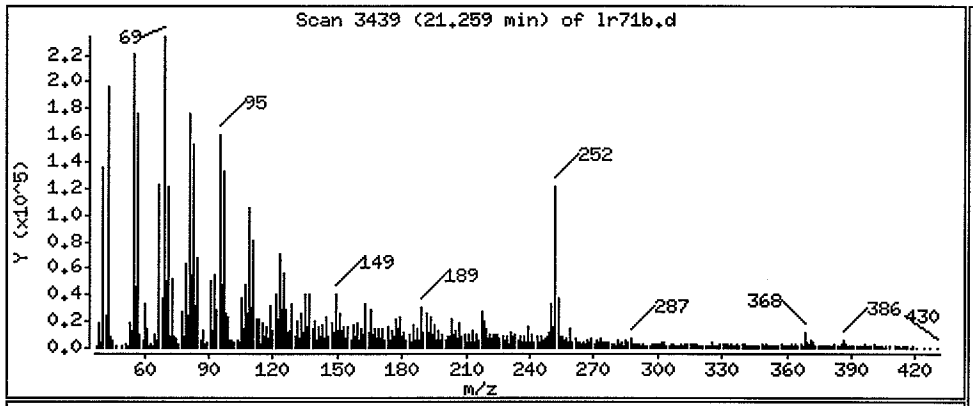
Client ID: AN-SS-02-070927 Instrument: nt6.i

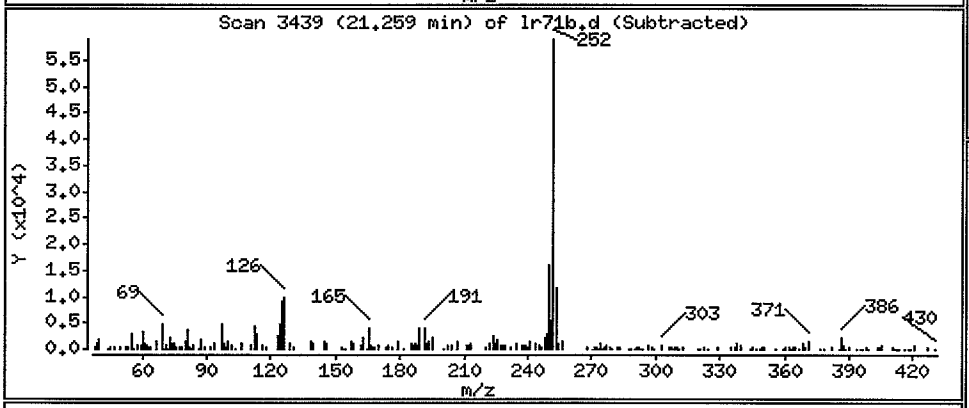
Sample Info: LR71B

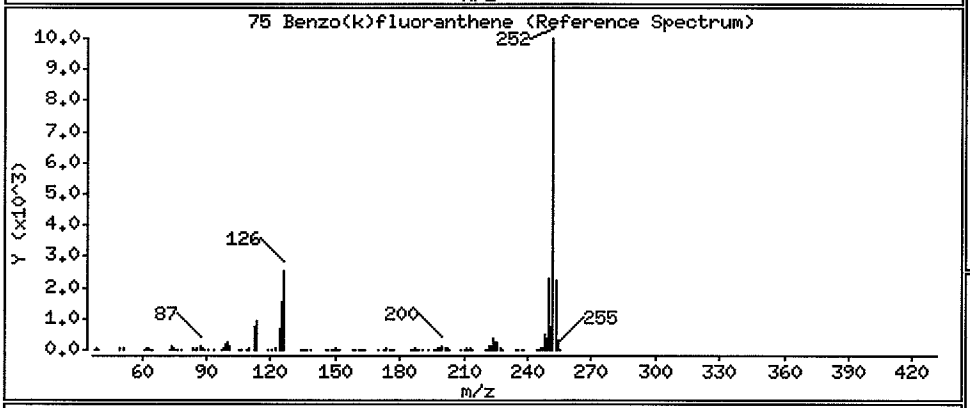
Volume Injected (uL): 1.0 Operator: LJR/VTS

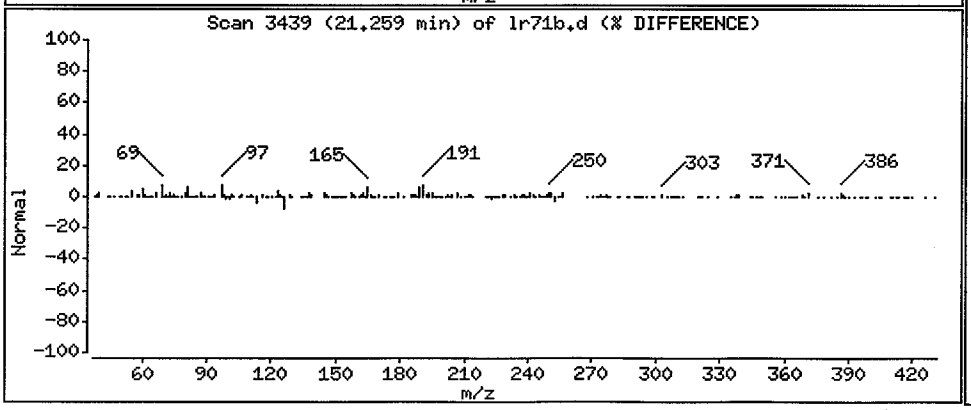
Column phase: ZB-5 Column diameter: 0.32

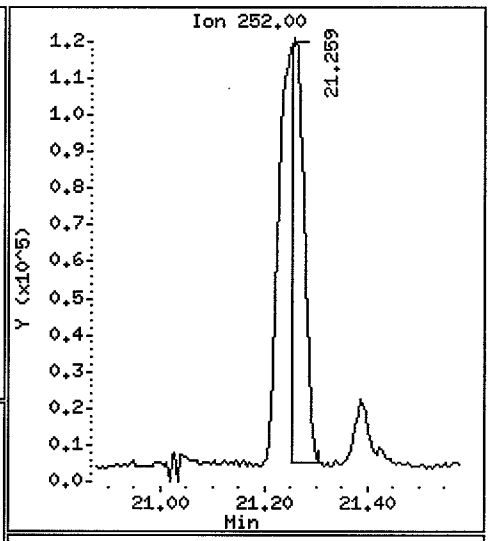
75 Benzo(k)fluoranthene Concentration: 73.40 ug/kg

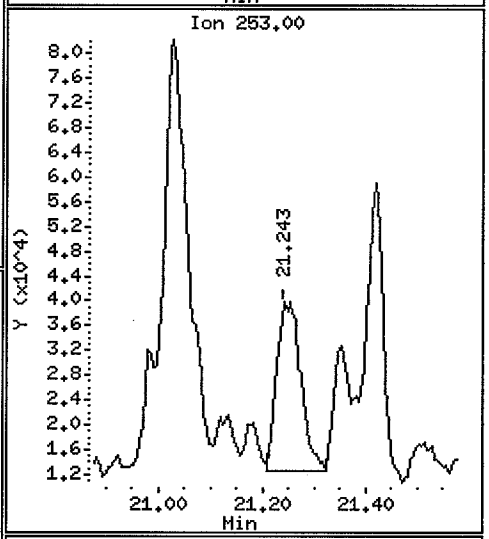


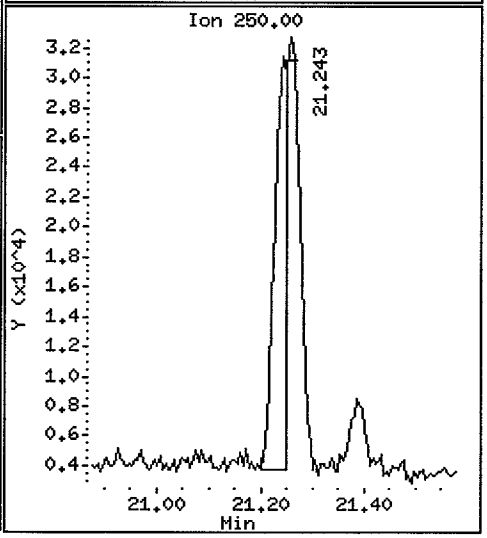












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

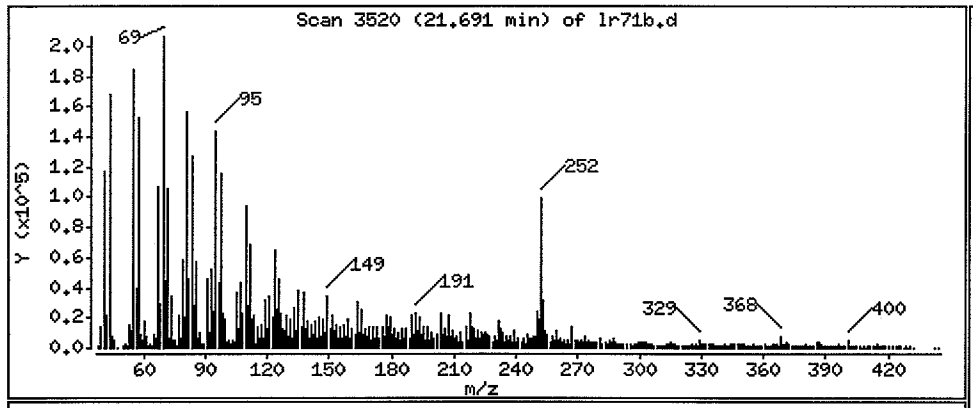
Client ID: AN-SS-02-070927 Instrument: nt6.i

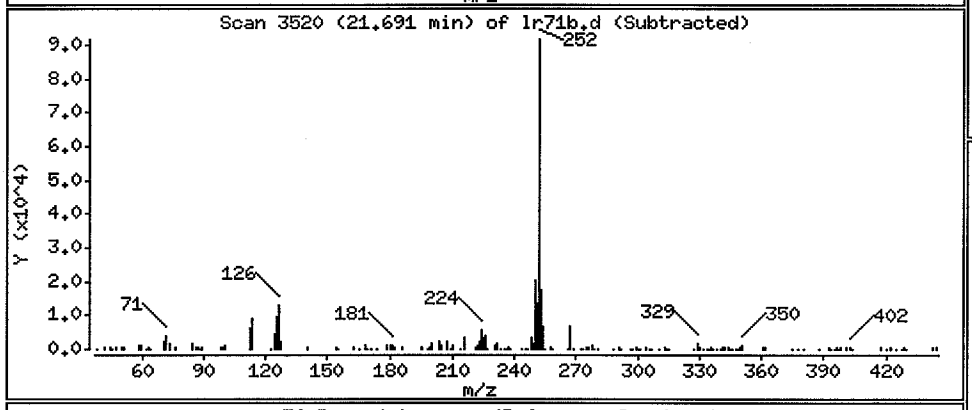
Sample Info: LR71B

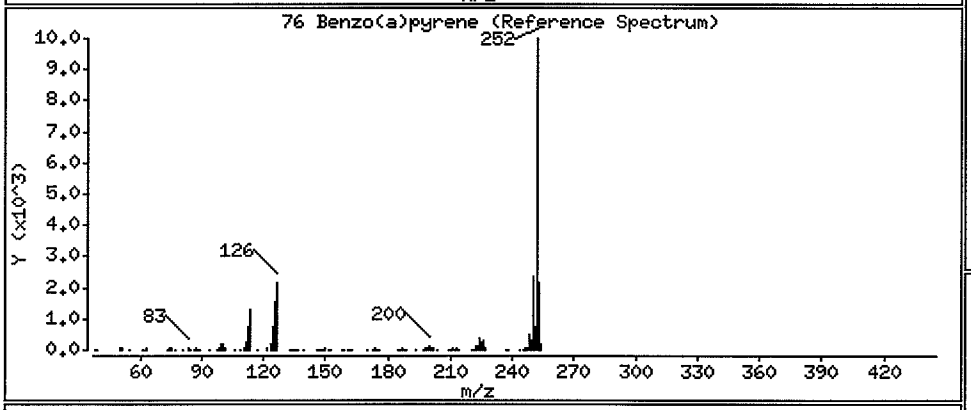
Volume Injected (uL): 1.0 Operator: LJR/VTS

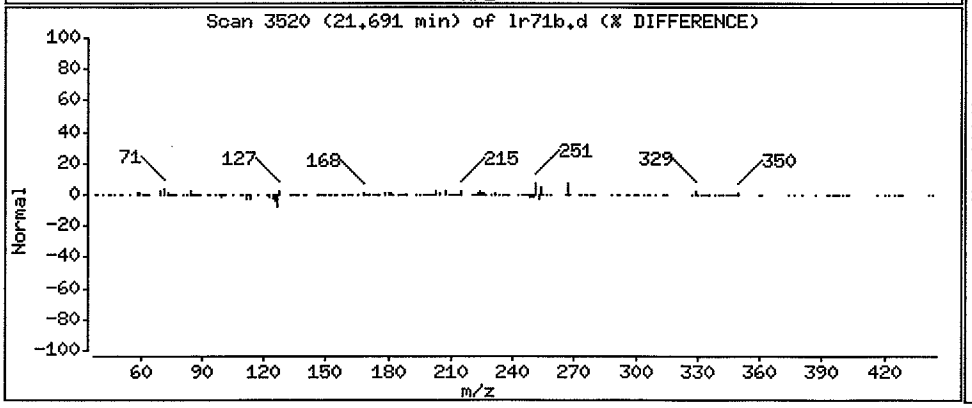
Column phase: ZB-5 Column diameter: 0.32

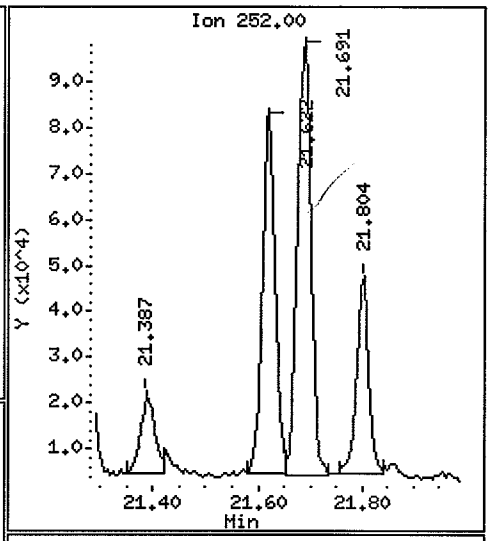
76 Benzo(a)pyrene Concentration: 74.85 ug/kg

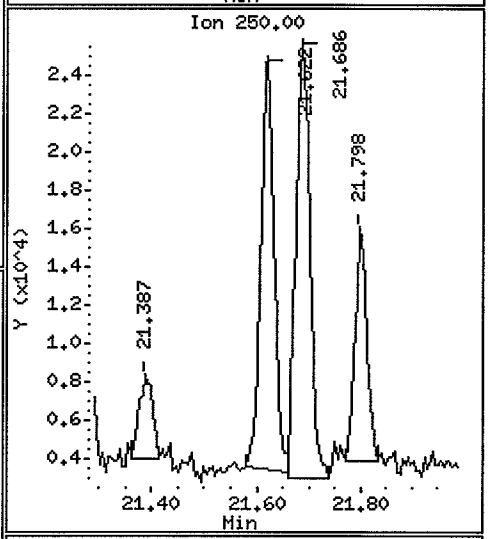


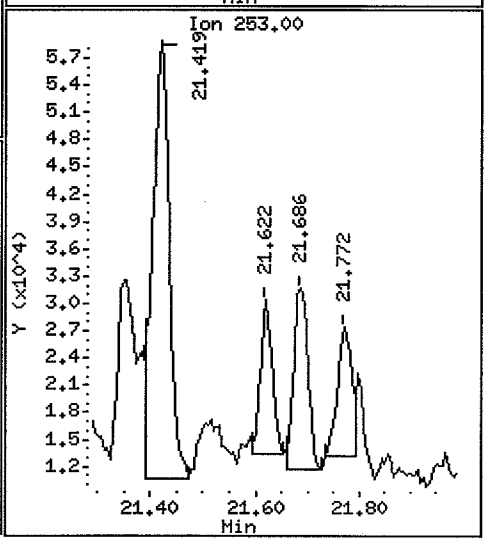












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

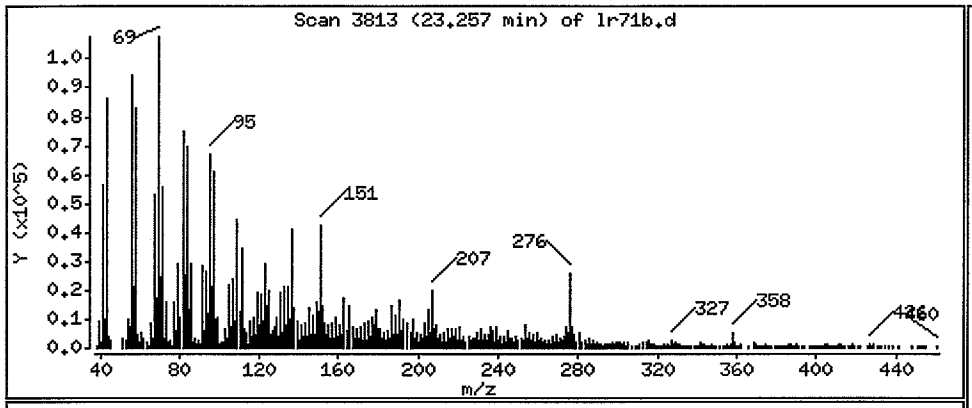
Client ID: AN-SS-02-070927 Instrument: nt6.i

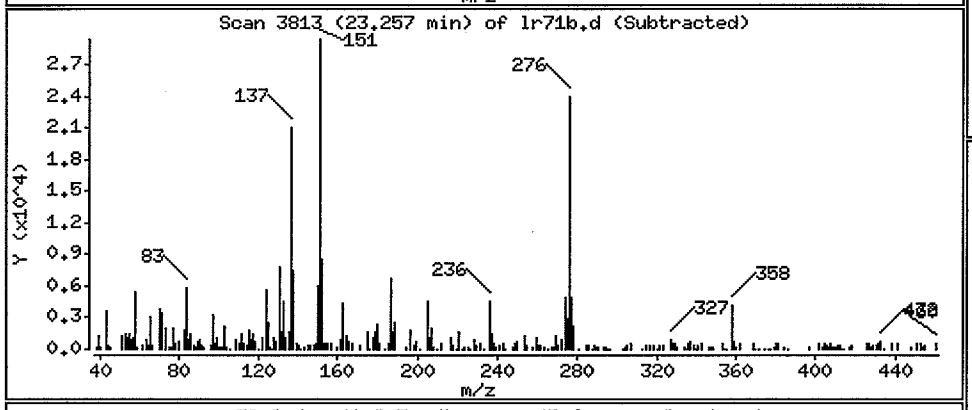
Sample Info: LR71B

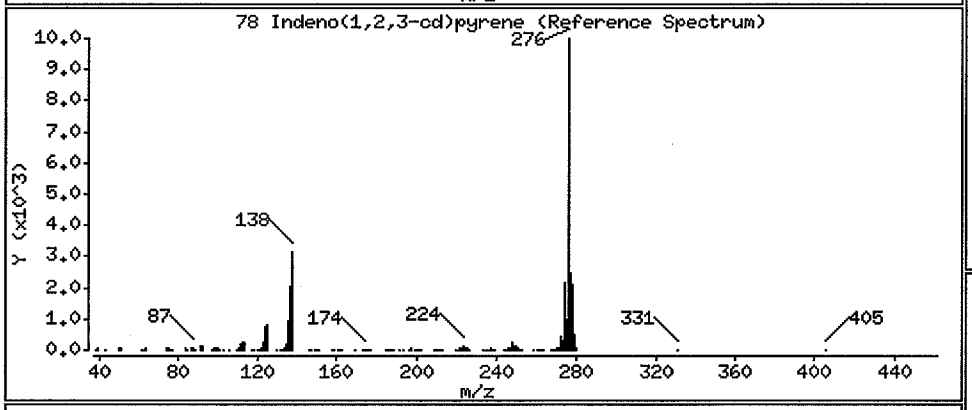
Volume Injected (uL): 1.0 Operator: LJR/VTS

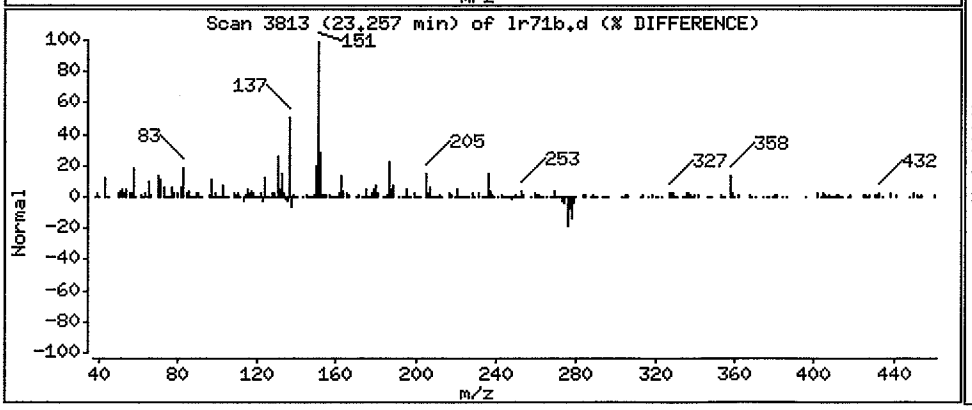
Column phase: ZB-5 Column diameter: 0.32

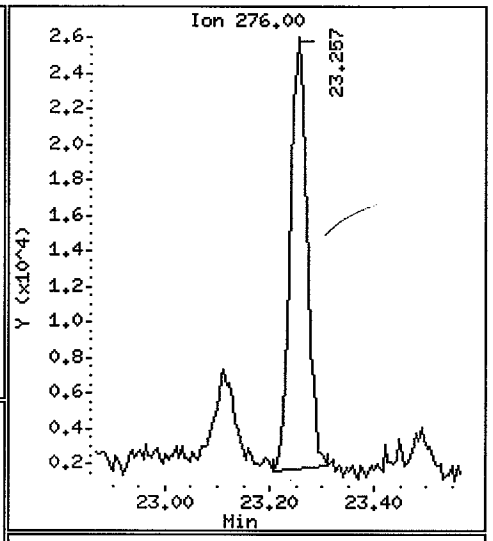
78 Indeno(1,2,3-cd)pyrene Concentration: 19.98 ug/kg

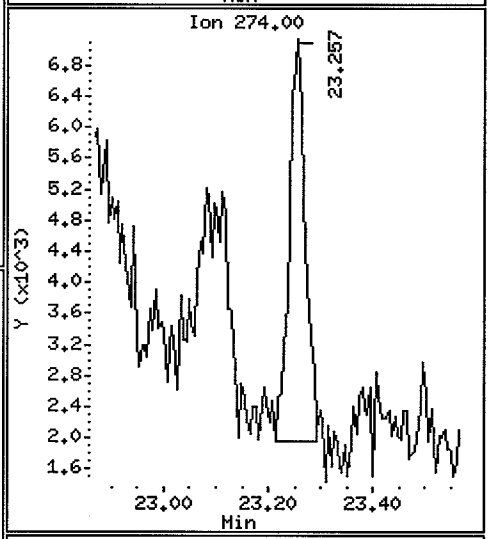


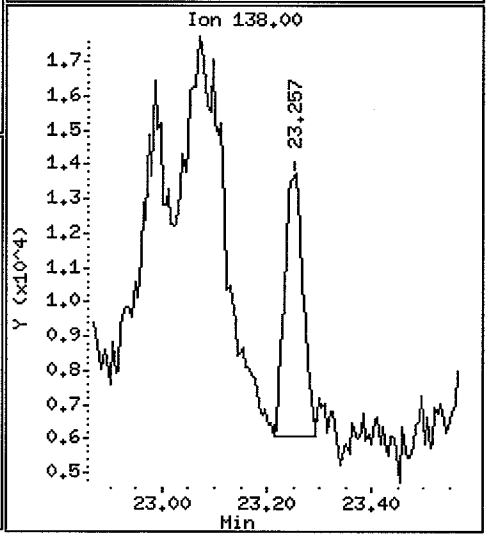




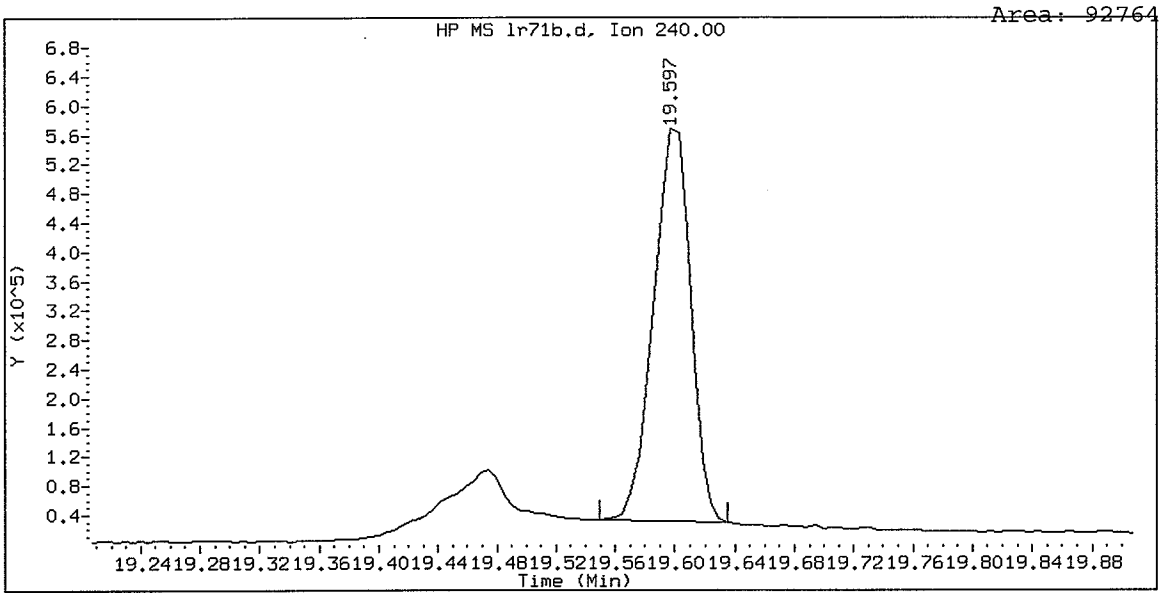


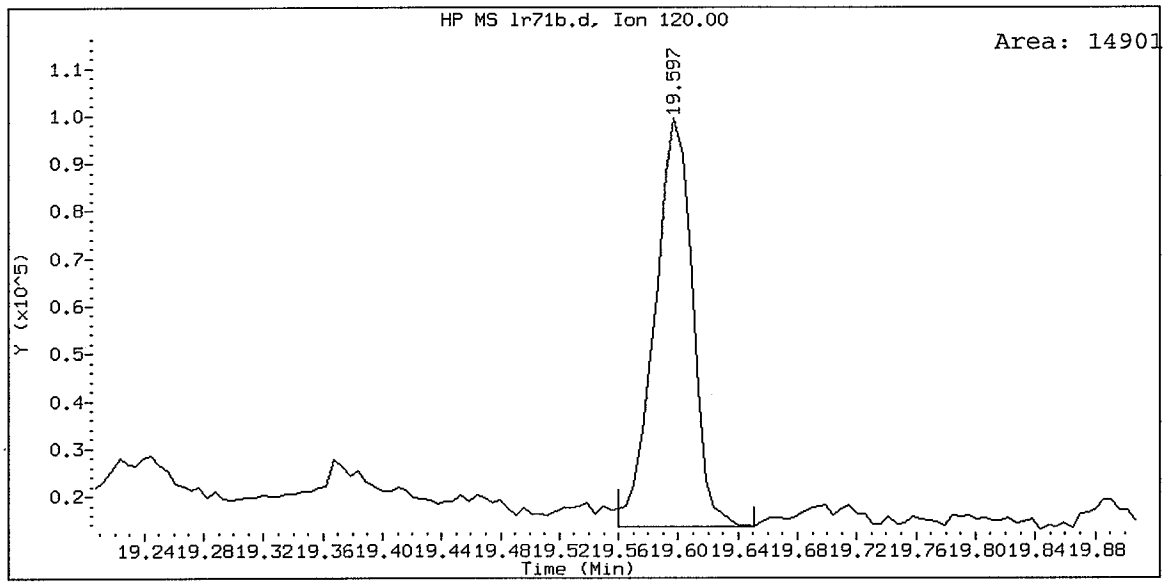


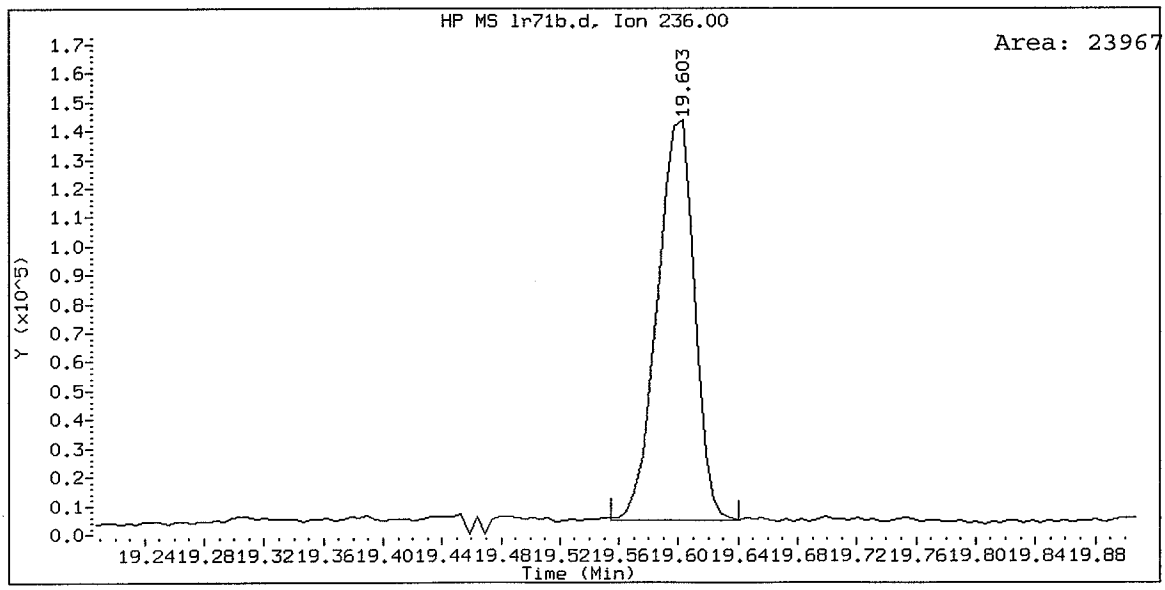




LR71B, /chem1/nt6.i/20071018.b/lr71b.d
Chrysene-d12 Amount: 20.00







Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

Client ID: AN-SS-02-070927

Instrument: nt6.i

Sample Info: LR71B

Volume Injected (uL): 1.0

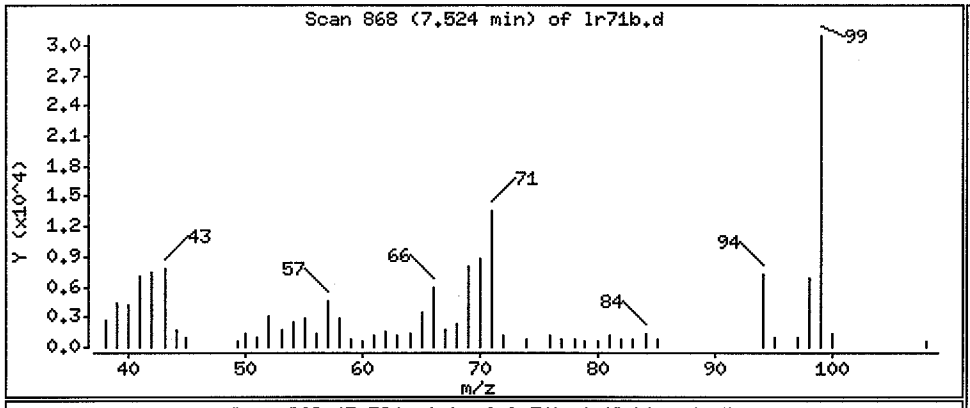
Operator: LJR/VTS

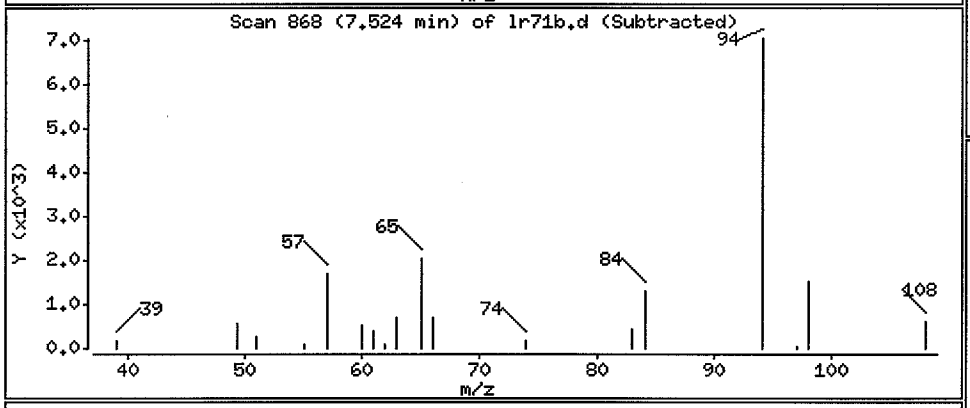
Column phase: ZB-5

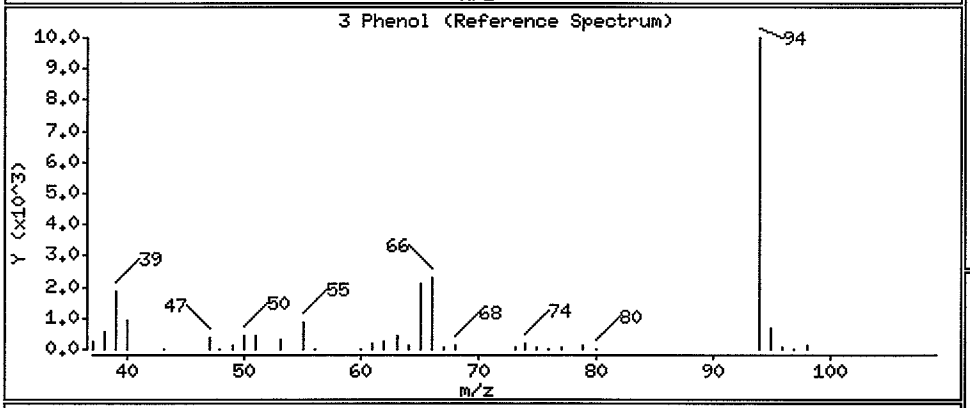
Column diameter: 0.32

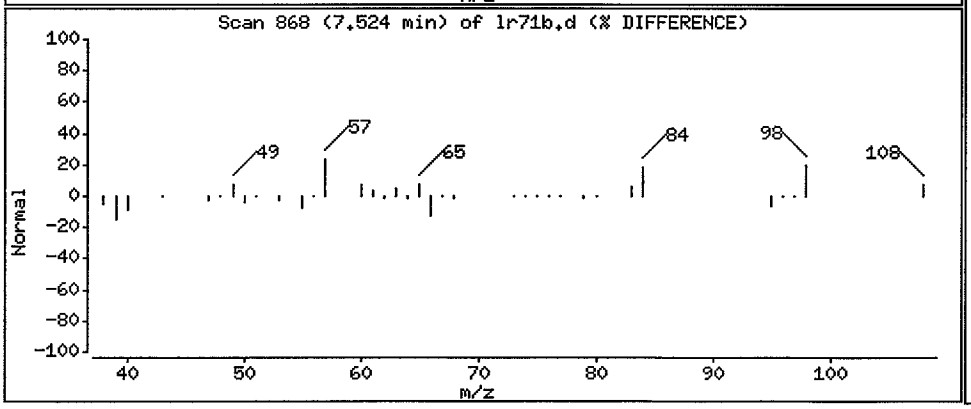
3 Phenol

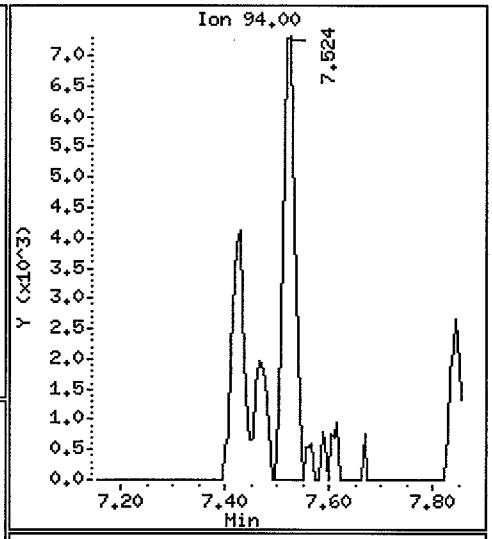
Concentration: 10.22 ug/kg

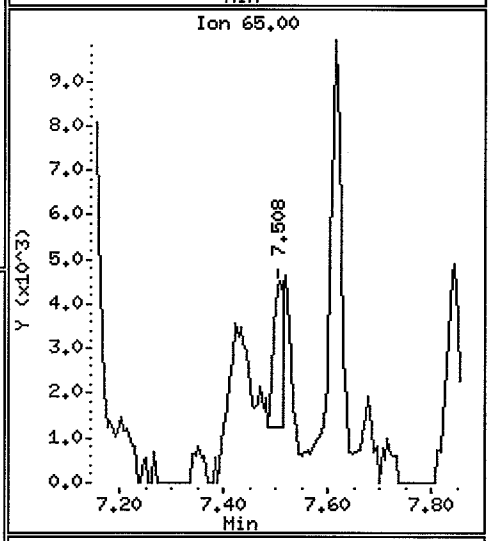


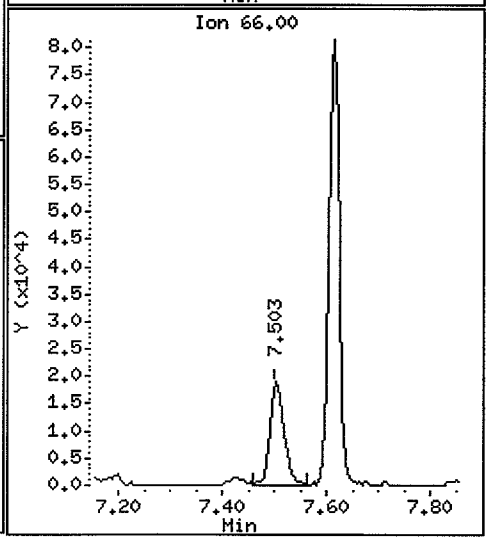












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

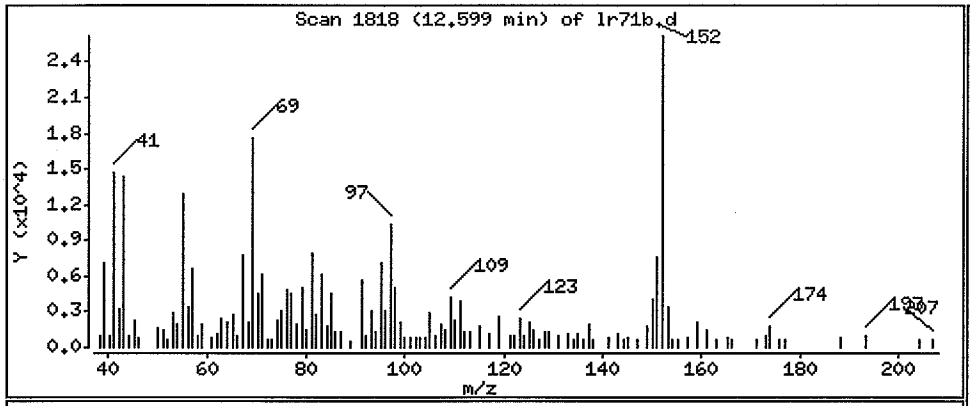
Client ID: AN-SS-02-070927 Instrument: nt6.i

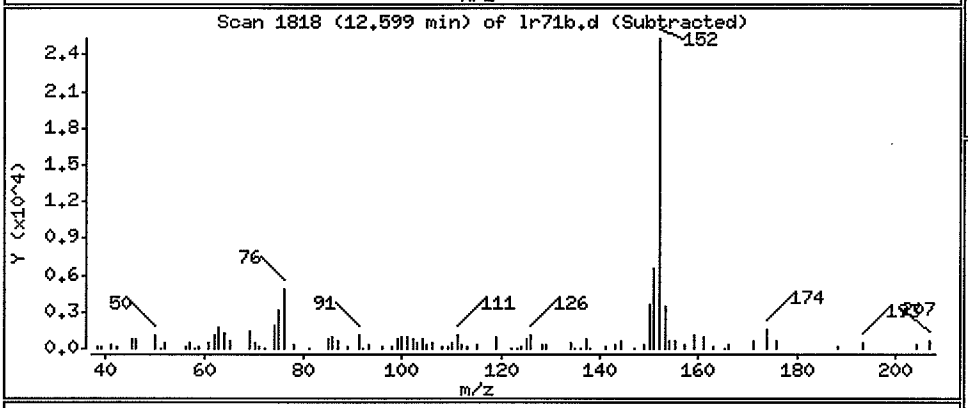
Sample Info: LR71B

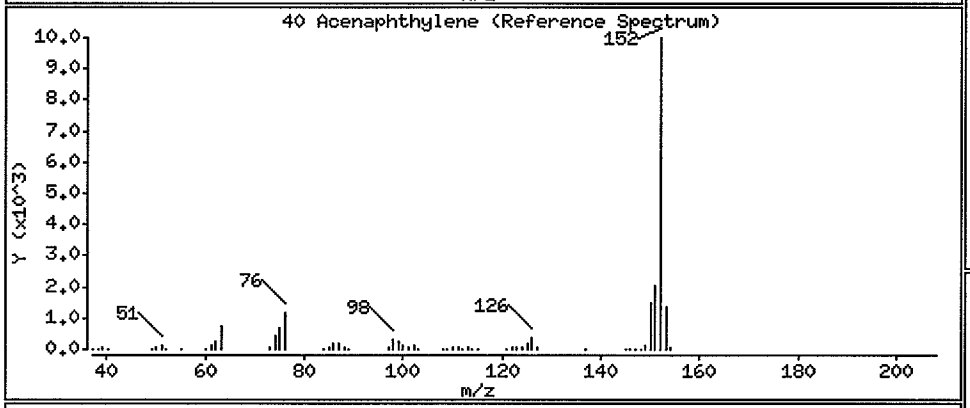
Volume Injected (uL): 1.0 Operator: LJR/VTS

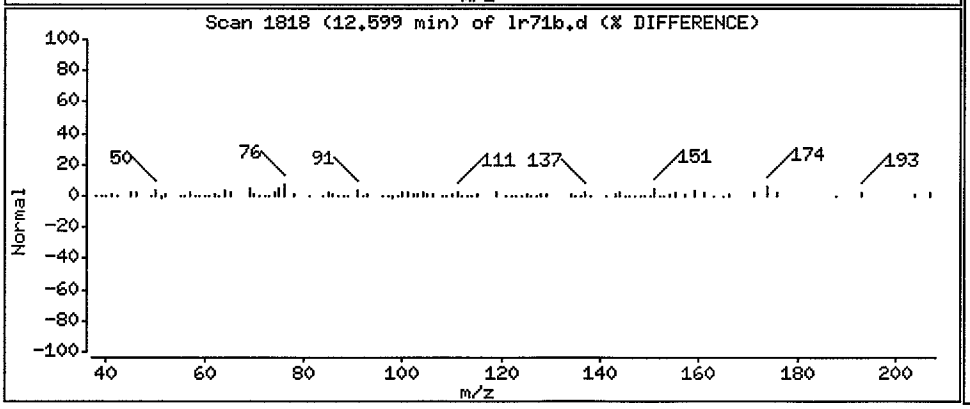
Column phase: ZB-5 Column diameter: 0.32

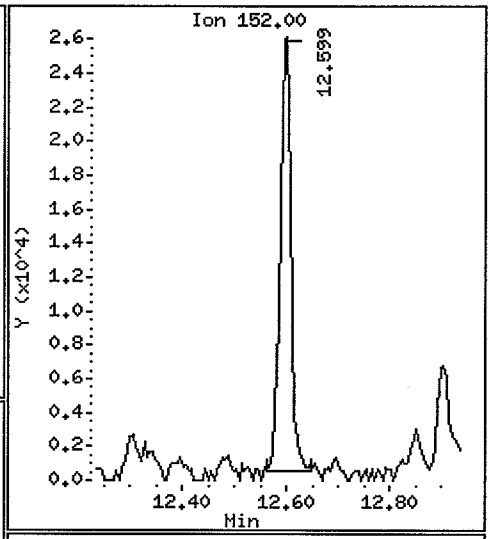
40 Acenaphthylene Concentration: 16.38 ug/kg

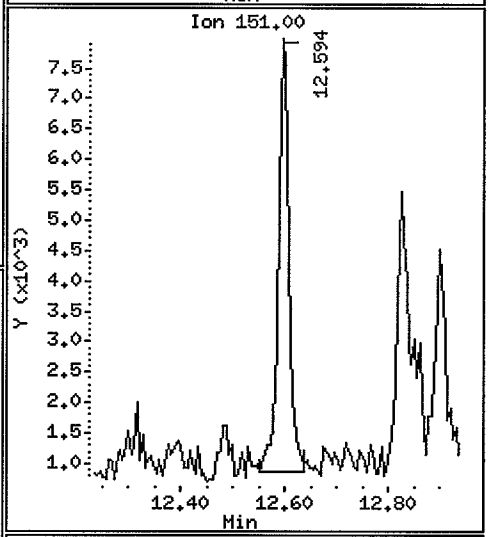


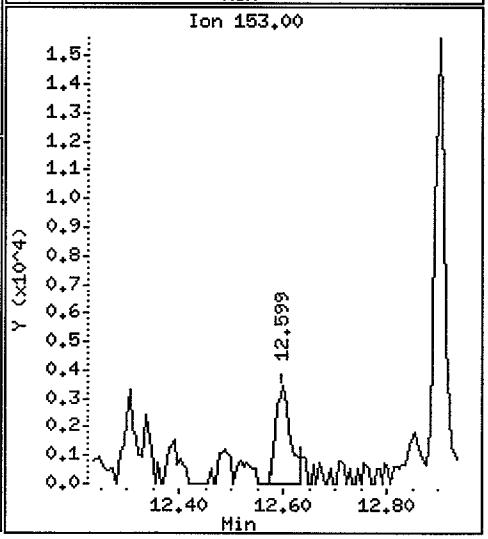












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

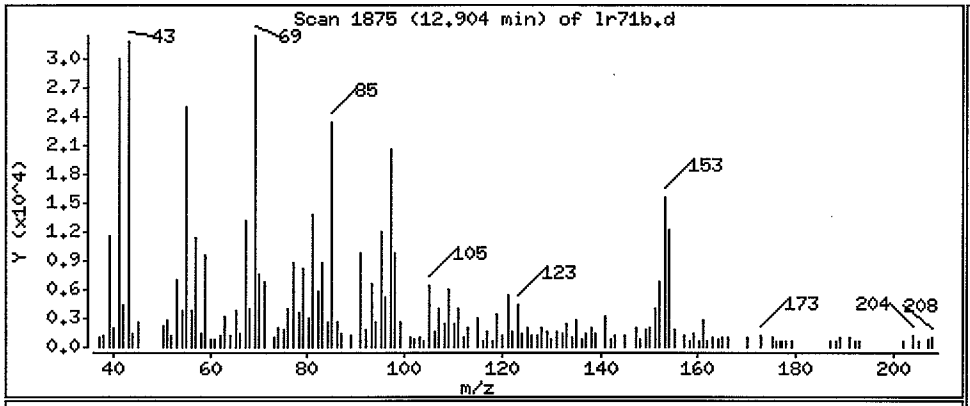
Client ID: AN-SS-02-070927 Instrument: nt6.i

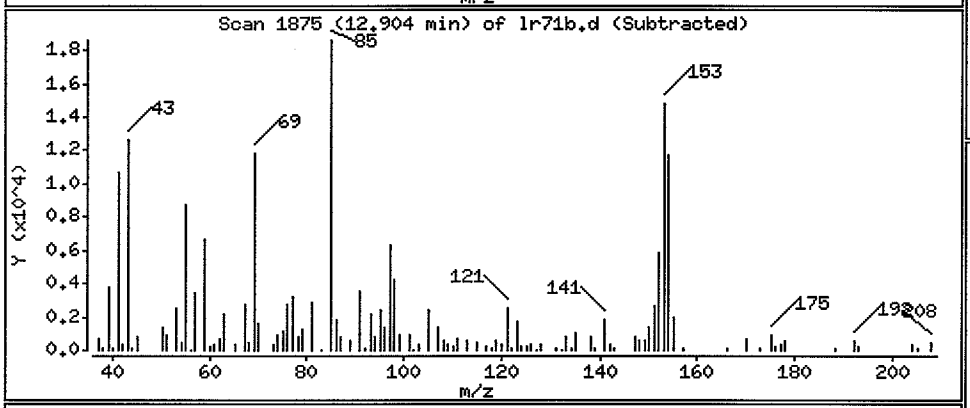
Sample Info: LR71B

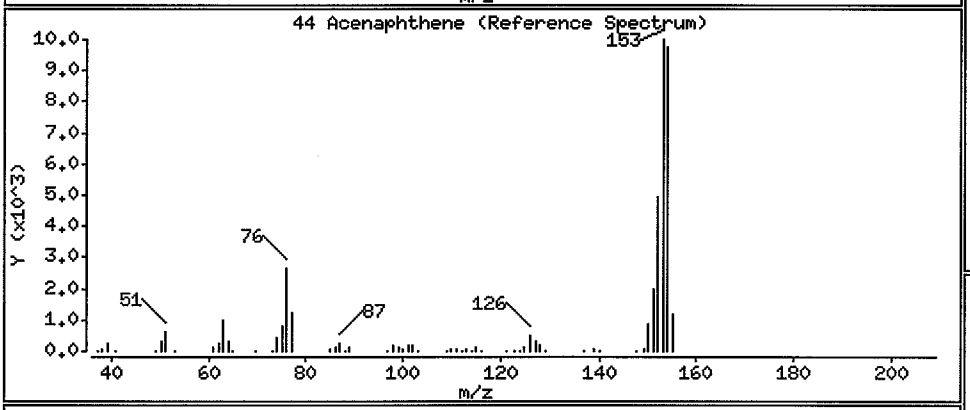
Volume Injected (uL): 1.0 Operator: LJR/VTS

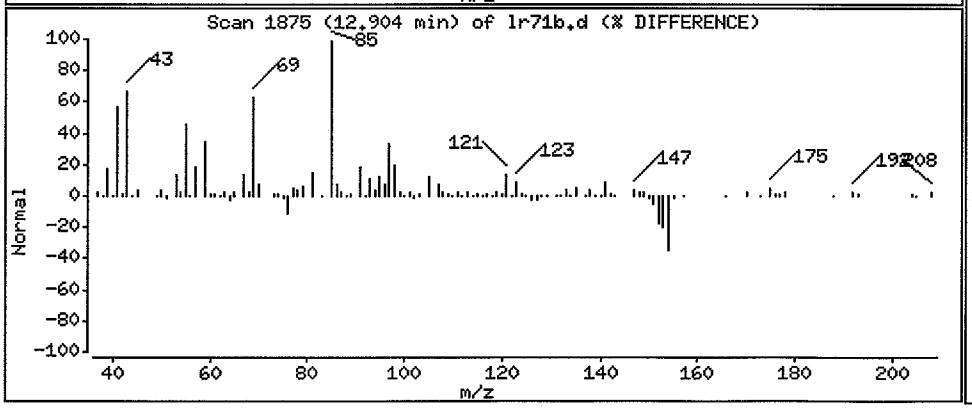
Column phase: ZB-5 Column diameter: 0.32

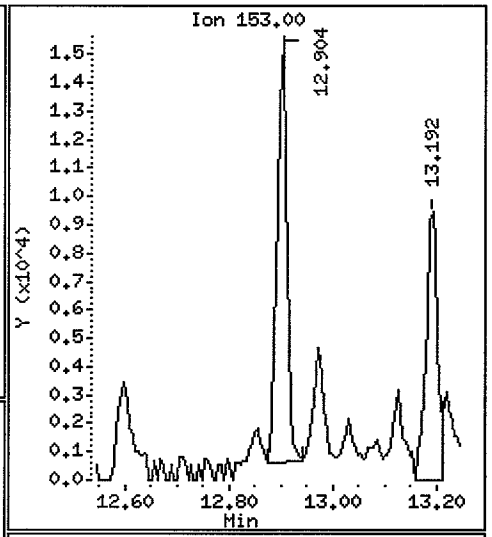
44 Acenaphthene Concentration: 13.80 ug/kg

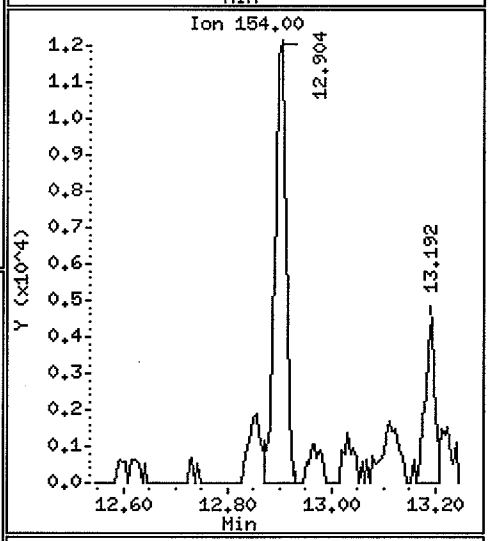


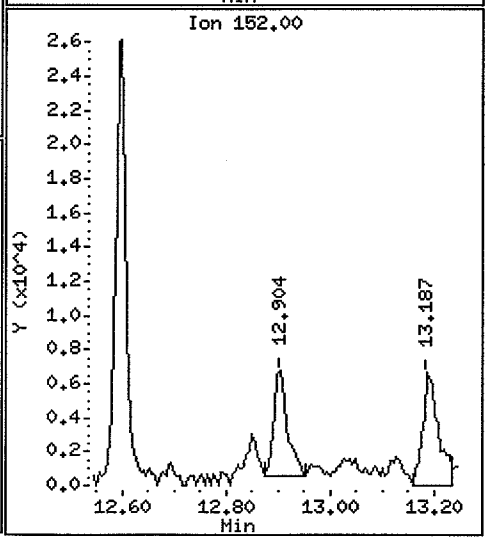












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

Client ID: AN-SS-02-070927

Instrument: nt6.i

Sample Info: LR71B

Volume Injected (uL): 1.0

Operator: LJR/VTS

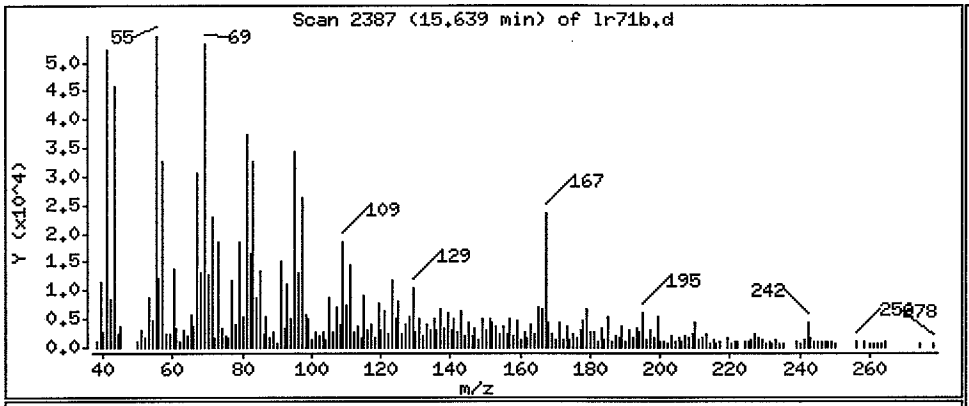
Column phase: ZB-5

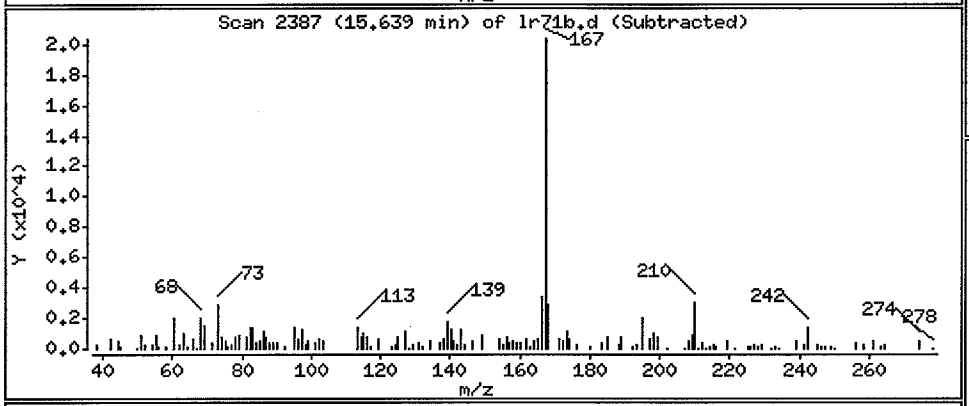
Column diameter: 0.32

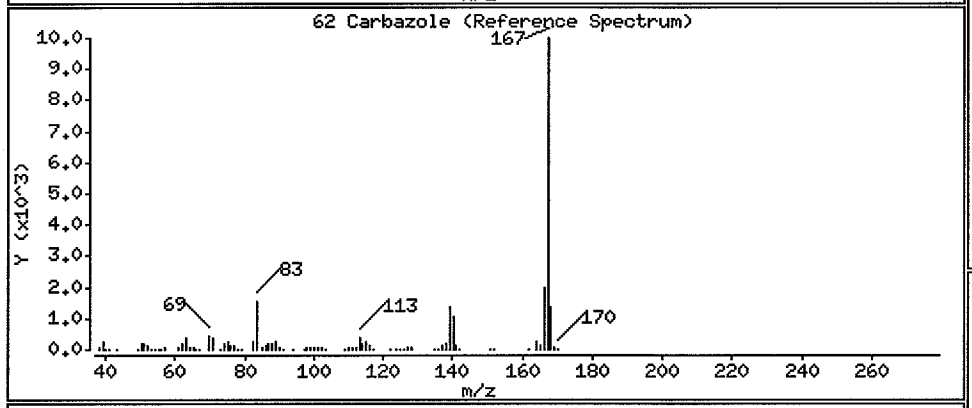
62 Carbazole

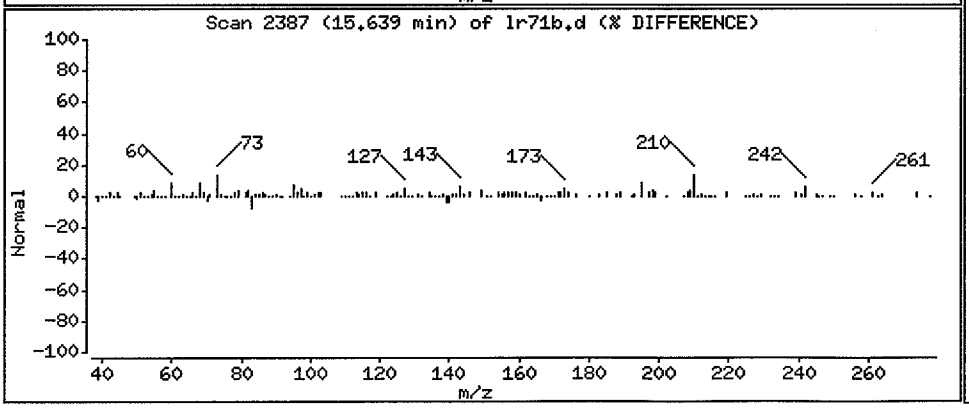
Concentration: 15.06 ug/kg

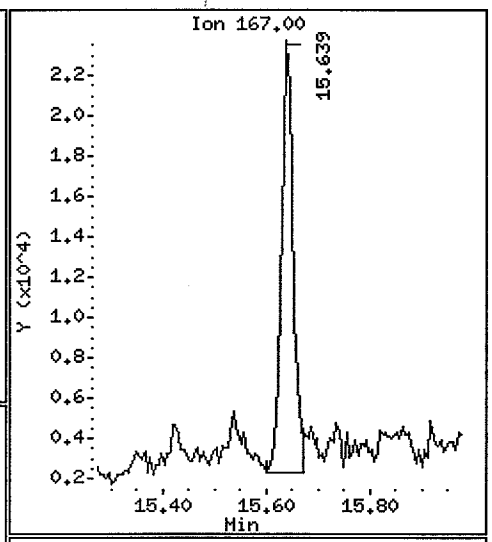
NK cpd

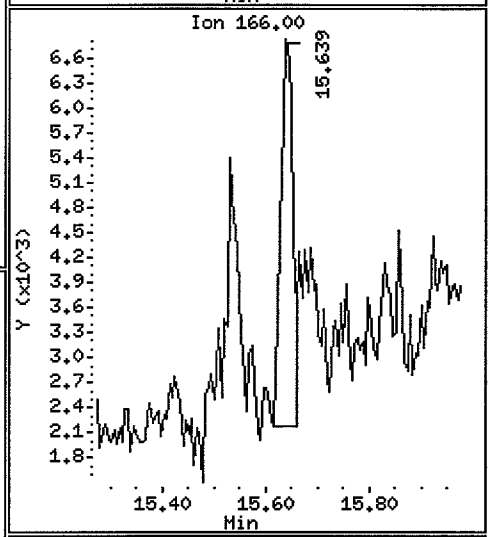


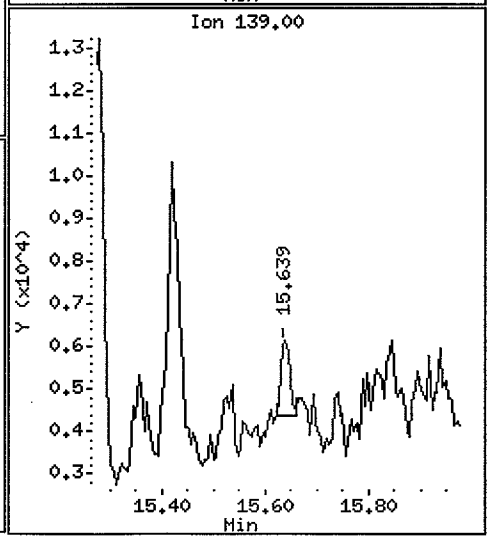












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

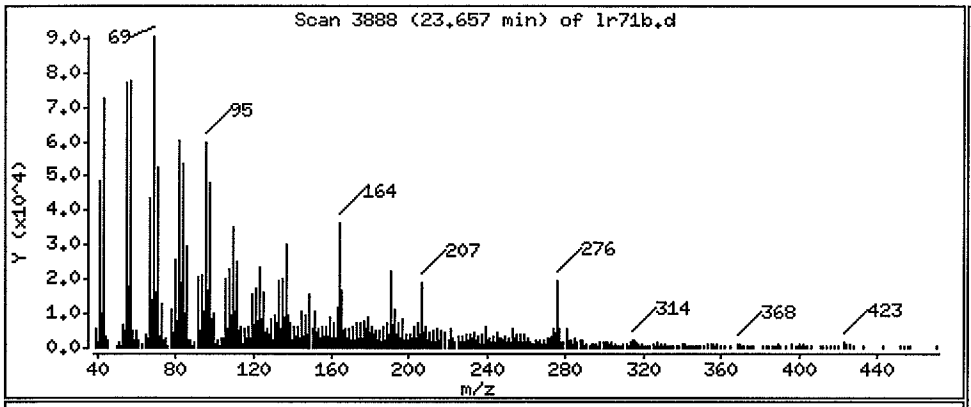
Client ID: AN-SS-02-070927 Instrument: nt6.i

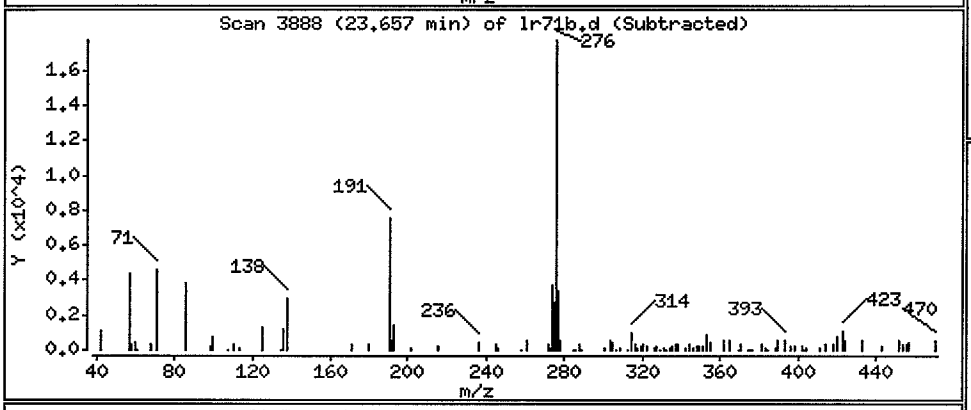
Sample Info: LR71B

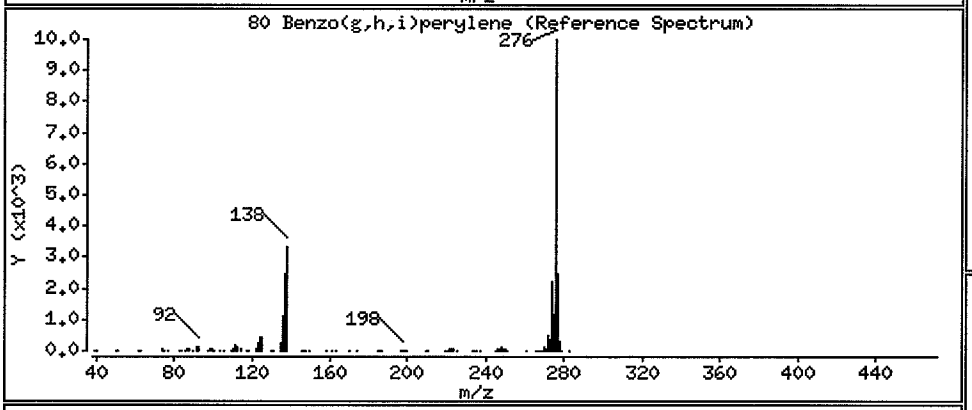
Volume Injected (uL): 1.0 Operator: LJR/VTS

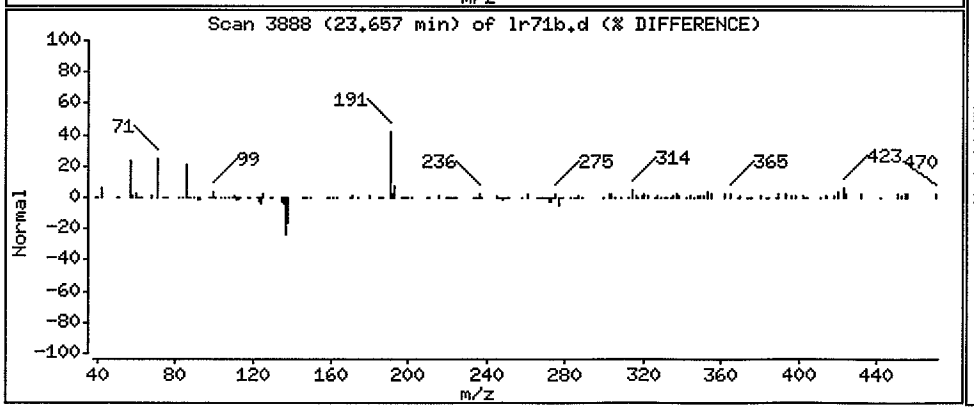
Column phase: ZB-5 Column diameter: 0.32

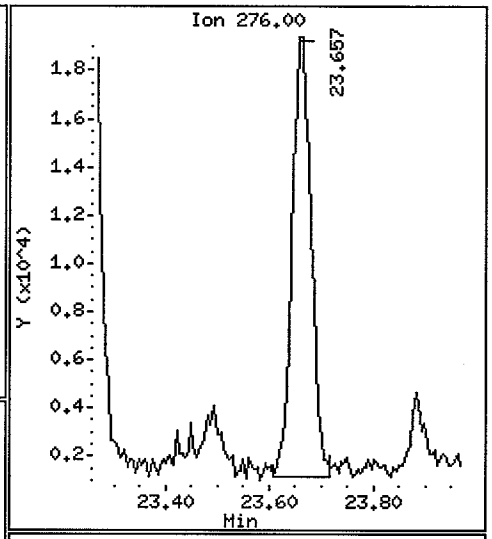
80 Benzo(g,h,i)perylene Concentration: 16.66 ug/kg

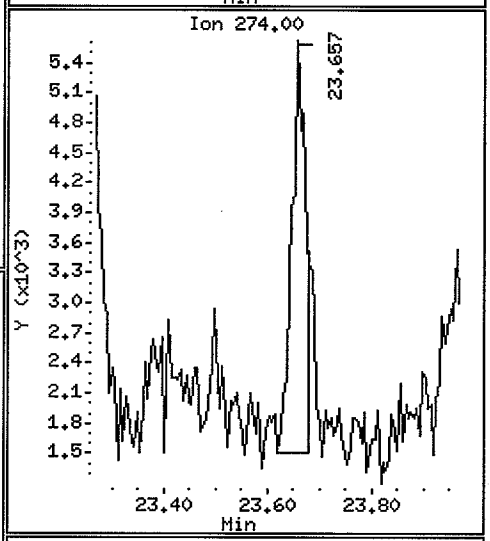


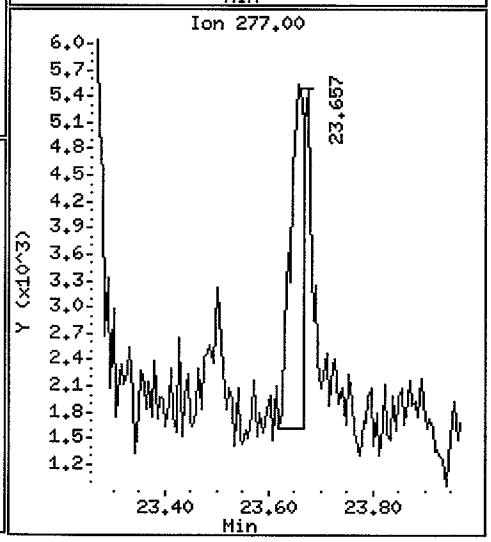












Data File: /chem1/nt6.i/20071018.b/lr71b.d

Date : 18-OCT-2007 15:13

Client ID: AN-SS-02-070927

Instrument: nt6.i

Sample Info: LR71B

Volume Injected (uL): 1.0

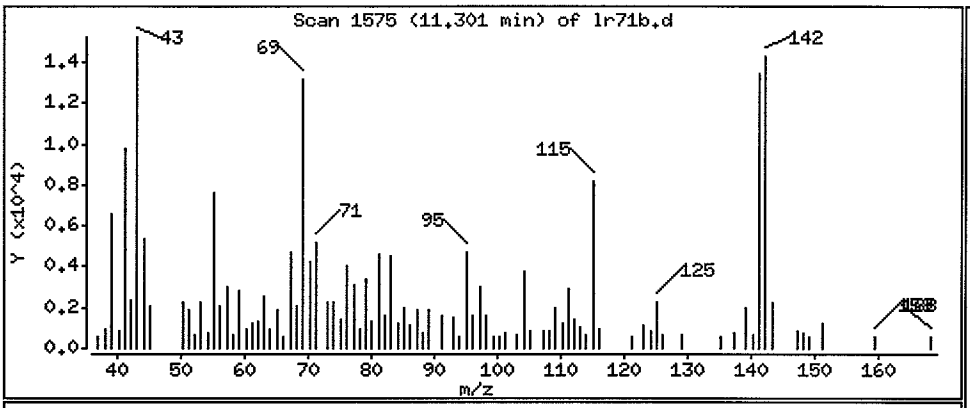
Operator: LJR/VTS

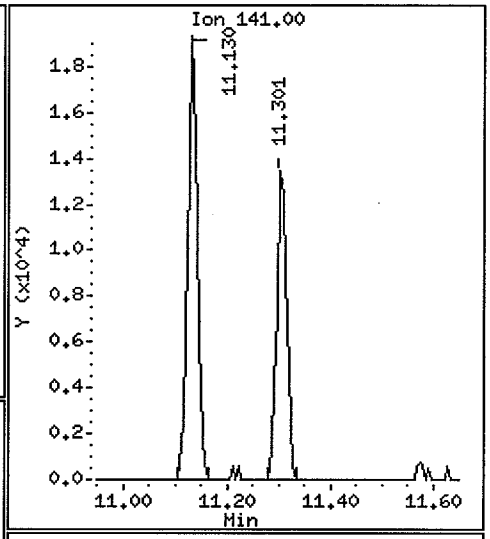
Column phase: ZB-5

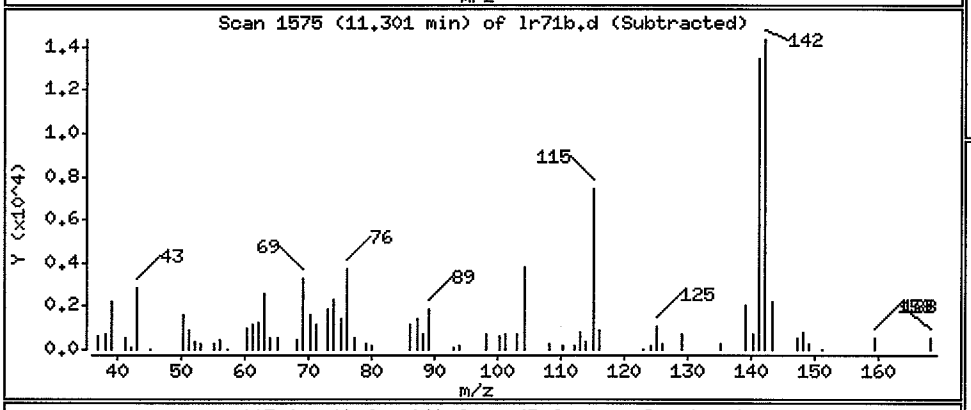
Column diameter: 0.32

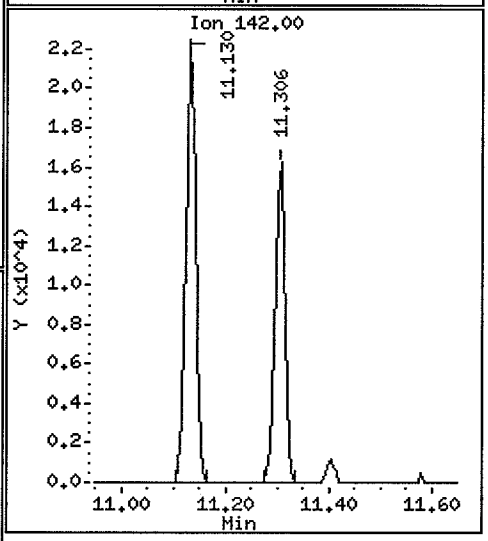
105 1-methylnaphthalene

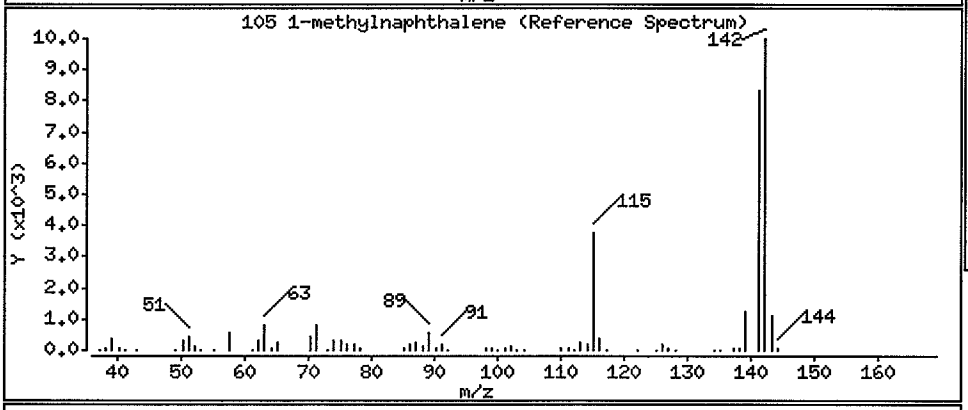
Concentration: 17.16 ug/kg

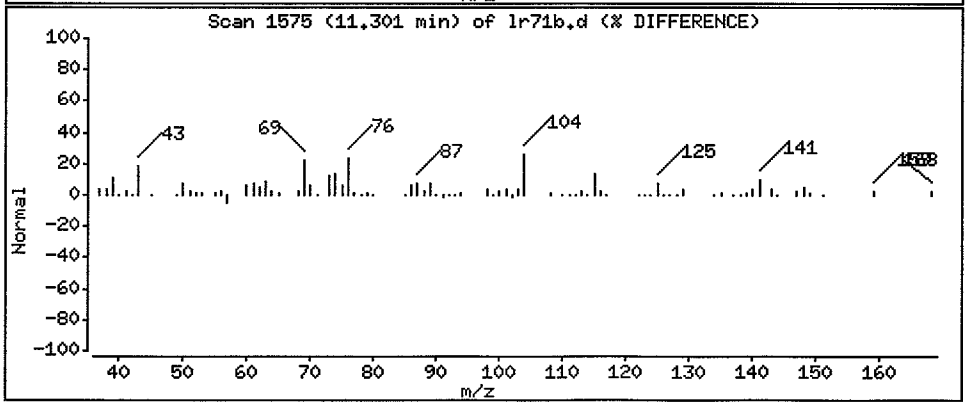












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-02-070927**
Page 1 of 2 **REEXTRACT**

Lab Sample ID: LR71B
LIMS ID: 07-20767
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 17:11
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

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

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**29**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**390**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	**Naphthalene**	**20**	**74**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	**2-Methylnaphthalene**	**20**	**24**
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	**Acenaphthylene**	**20**	**23**
83-32-9	Acenaphthene	20	< 20 U
132-64-9	**Dibenzofuran**	**20**	**21**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**22**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**210**
120-12-7	**Anthracene**	**20**	**41**
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**340**
129-00-0	**Pyrene**	**20**	**170**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**59**
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**79**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**70**
207-08-9	**Benzo(k)fluoranthene**	**20**	**70**
50-32-8	**Benzo(a)pyrene**	**20**	**72**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**29**
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	**Benzo(g,h,i)perylene**	**20**	**27**

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-02-070927
REEXTRACT

Lab Sample ID: LR71B
LIMS ID: 07-20767
Matrix: Sediment
Date Analyzed: 11/01/07 17:11

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	57.6%	2-Fluorobiphenyl	57.6%
d14-p-Terphenyl	42.4%	d4-1,2-Dichlorobenzene	51.2%
d5-Phenol	60.0%	2-Fluorophenol	47.5%
2,4,6-Tribromophenol	66.1%	d4-2-Chlorophenol	59.5%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071101.b/lr71b2.d
Lab Smp Id: LR71BRE
Inj Date : 01-NOV-2007 17:11
Operator : VTS Inst ID: nt4.i
Smp Info : LR71BRE
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt4.i/20071101.b/SW846.m
Meth Date : 02-Nov-2007 11:41 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 11:04 Cal File: 0801001.d
Als bottle: 7
Dil Factor: 1.00000
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	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% 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	4.838	4.748	(0.709)	200457	17.7525	355.1
$ 2	Phenol-d5	99	6.511	6.489	(0.954)	284850	22.5277	450.8
3	Phenol	94	6.527	6.505	(0.956)	22013	1.46654	29.33(M)
$ 5	2-Chlorophenol-d4	132	6.543	6.521	(0.959)	209002	22.2931	445.9
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	6.826	6.820	(1.000)	133446	20.0000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	7.125	7.114	(1.044)	77148	12.7890	255.8
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	7.697	7.686	(1.128)	199031	19.7197	394.4
$	18 Nitrobenzene-d5	82	7.777	7.771	(0.877)	182627	14.3541	287.1
	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	8.717	8.813	(0.983)	46595	5.73624 LDL	114.7(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.872	8.872	(1.000)	482322	20.0000	
	28 Naphthalene	128	8.898	8.899	(1.003)	109421	3.69529	73.91
	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	10.015	10.015	(1.129)	18048	1.19648	23.93
	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	10.677	10.677	(0.914)	260581	14.4143	288.3
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	11.431	11.431	(0.978)	30331	1.18456	23.69
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.682	11.682	(1.000)	261814	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.724	11.730	(1.004)	9874	0.58090 LDL	11.62(M)
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	11.992	11.992	(1.027)	23010	1.03939	20.79
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	12.579	12.585	(1.077)	12626	0.69110 LDL	13.82(M)
	49 Fluorene	166	12.536	12.537	(1.073)	21096	1.11675	22.33(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	12.959	12.953	(1.109)	55802	24.7591	495.2
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.006	14.000	(1.000)	419690	20.0000	
	60 Phenanthrene	178	14.038	14.032	(1.002)	310950	10.7203	214.4
	61 Anthracene	178	14.107	14.102	(1.007)	60846	2.07450	41.49
	62 Carbazole	167	14.428	14.412	(1.030)	13001	0.51806 LDL	10.36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
	63 Di-n-butylphthalate	149	15.218	15.197	(1.087)	27338	0.90626 LDL	18.13 (M)
	64 Fluoranthene	202	15.950	15.923	(1.139)	534455	17.0191	340.4
	65 Pyrene	202	16.287	16.260	(0.892)	451625	8.47288	169.5
$	66 Terphenyl-d14	244	16.661	16.634	(0.912)	326889	10.6233	212.5
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	18.231	18.199	(0.999)	145996	2.95349	59.07
*	69 Chrysene-d12	240	18.258	18.221	(1.000)	665106	20.0000	(M)
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	18.295	18.258	(1.002)	192725	3.96358	79.27
	72 bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
*	134 Di-n-octylphthalate-d4	153	19.540	19.503	(1.000)	693549	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	19.882	19.818	(0.975)	118644	3.50681	70.14 (M)
	75 Benzo(k)fluoranthene	252	19.882	19.850	(0.975)	125788	3.51953	70.39 (M)
	76 Benzo(a)pyrene	252	20.304	20.245	(0.996)	109122	3.62168	72.43 (H)
*	77 Perylene-d12	264	20.384	20.325	(1.000)	496914	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	21.714	21.661	(1.065)	48700	1.47051	29.41 (M)
	79 Dibenzo(a,h)anthracene	278	21.752	21.693	(1.067)	14713	0.54092 LDL	10.82 (M)
	80 Benzo(g,h,i)perylene	276	22.024	21.944	(1.080)	39917	1.33813	26.76 (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	10.181	10.181	(1.148)	11824	0.77404 LDL	15.48
	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: nt4.i
Lab File ID: lr71b2.d
Lab Smp Id: LR71BRE
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

Calibration Date: 01-NOV-2007
Calibration Time: 14:35

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	145384	72692	290768	133446	-8.21
27 Naphthalene-d8	530525	265262	1061050	482322	-9.09
42 Acenaphthene-d10	280701	140350	561402	261814	-6.73
59 Phenanthrene-d10	391934	195967	783868	419690	7.08
69 Chrysene-d12	354658	177329	709316	665106	87.53
134 Di-n-octylphthala	506314	253157	1012628	693549	36.98
77 Perylene-d12	400782	200391	801564	496914	23.99

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.82	6.32	7.32	6.83	0.08
27 Naphthalene-d8	8.87	8.37	9.37	8.87	0.00
42 Acenaphthene-d10	11.68	11.18	12.18	11.68	0.00
59 Phenanthrene-d10	14.00	13.50	14.50	14.01	0.04
69 Chrysene-d12	18.22	17.72	18.72	18.26	0.20
134 Di-n-octylphthala	19.50	19.00	20.00	19.54	0.19
77 Perylene-d12	20.33	19.83	20.83	20.38	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.

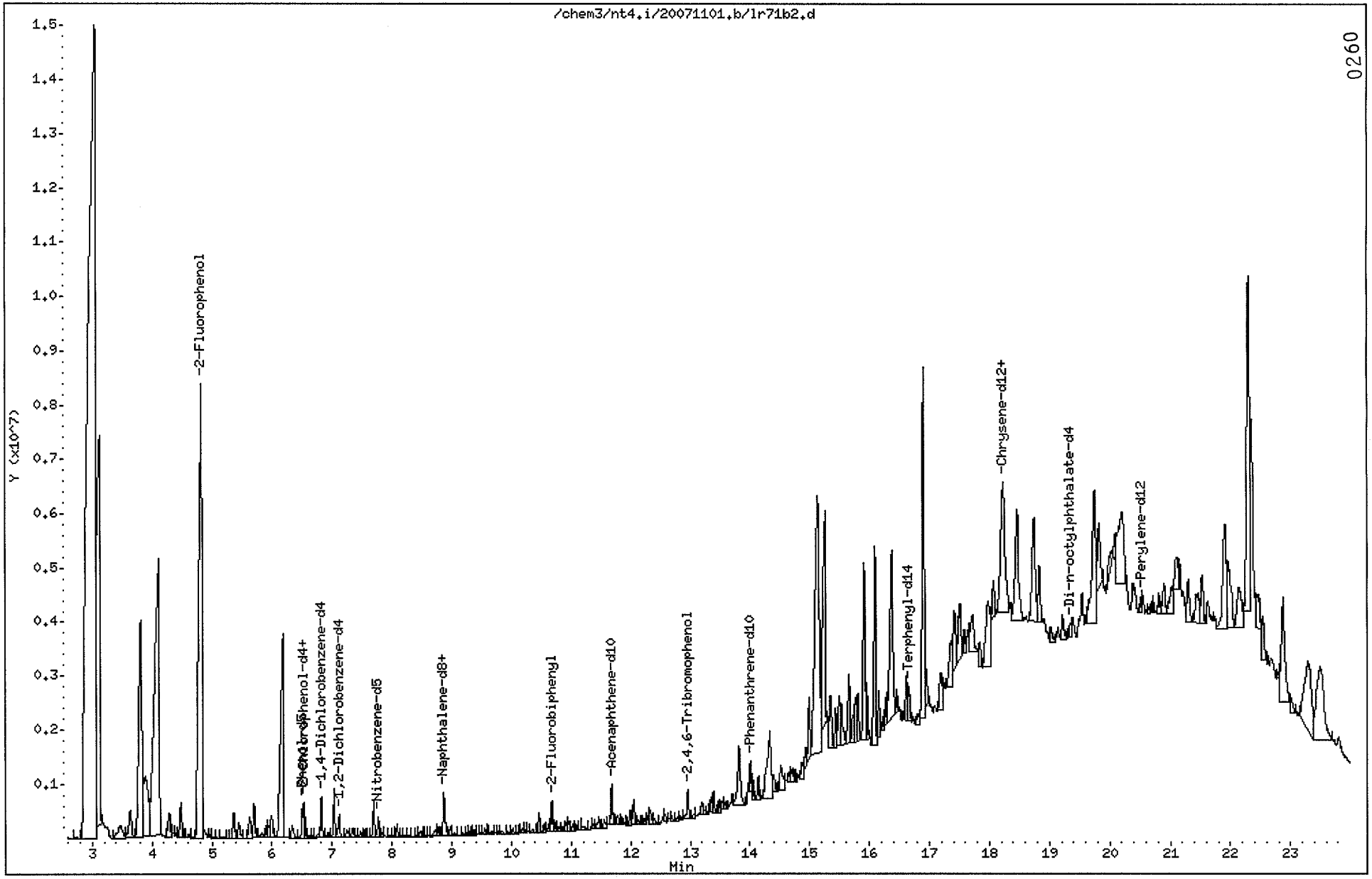
RECOVERY REPORT

Client Name: Client SDG: 20071101
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: LR71BRE
Level: LOW Operator: VTS
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: PSDDALCS.spk Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	355.1	47.34	11-84
$ 2 Phenol-d5	750.0	450.8	60.10	25-86
$ 5 2-Chlorophenol-d4	750.0	445.9	59.45	23-91
$ 10 1,2-Dichlorobenzen	500.0	255.8	51.16	24-90
$ 18 Nitrobenzene-d5	500.0	287.1	57.42	26-88
$ 36 2-Fluorobiphenyl	500.0	288.3	57.66	34-91
$ 55 2,4,6-Tribromophen	750.0	495.2	66.02	25-107
$ 66 Terphenyl-d14	500.0	212.5	42.49	22-100

Data File: /chem3/nt4.i/20071101.b/lr71b2.d
Date : 01-NOV-2007 17:11
Client ID:
Sample Info: LR71BRE
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt4.i
Operator: VTS
Column diameter: 0.32



Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

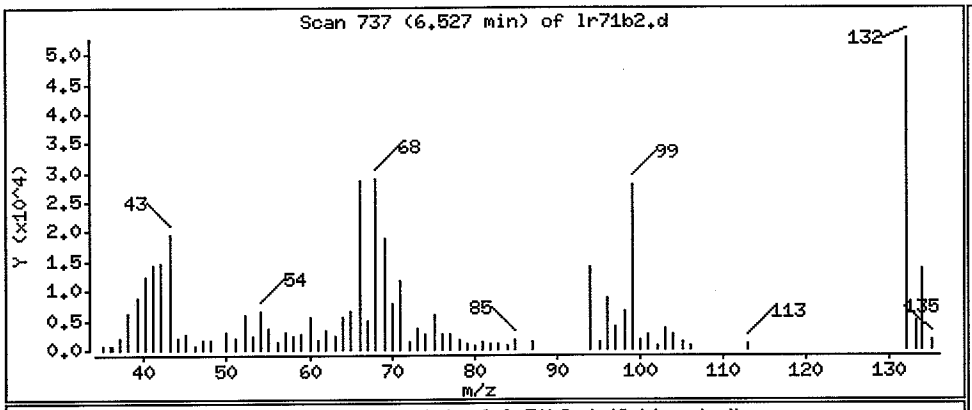
Operator: VTS

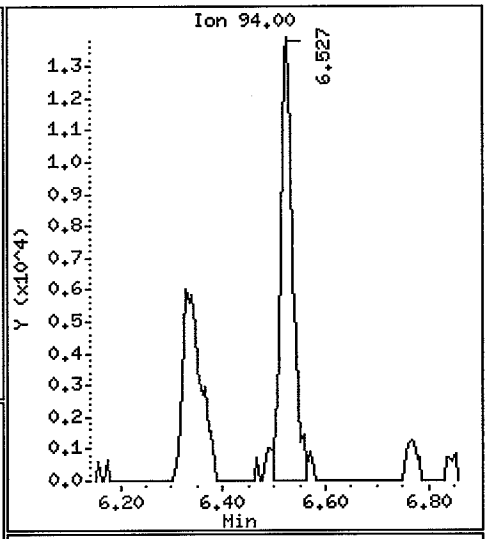
Column phase: ZB-5

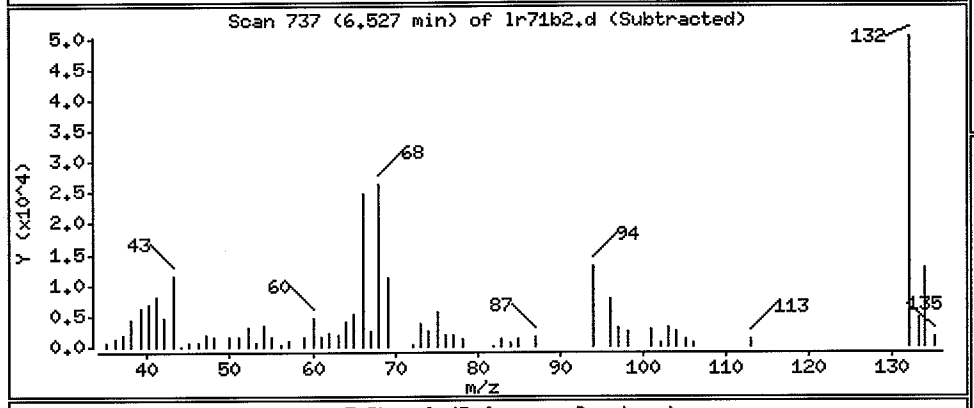
Column diameter: 0.32

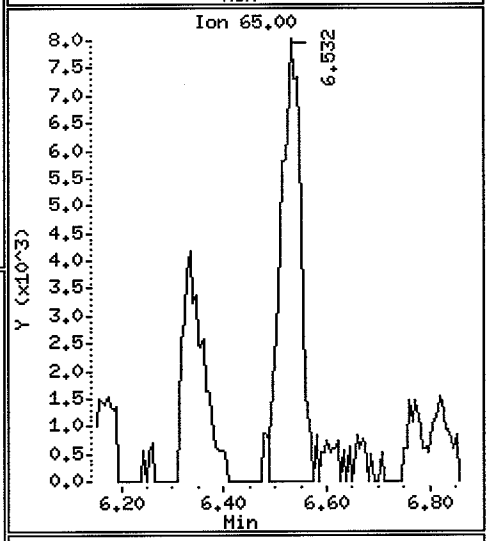
3 Phenol

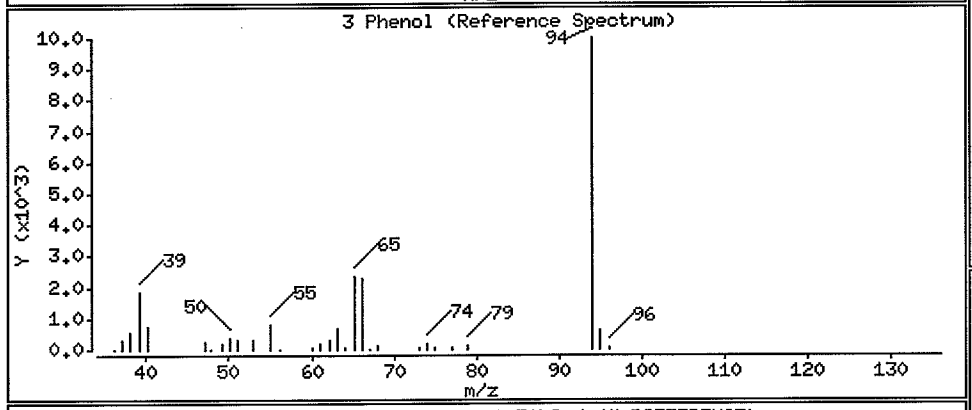
Concentration: 29.33 ug/Kg

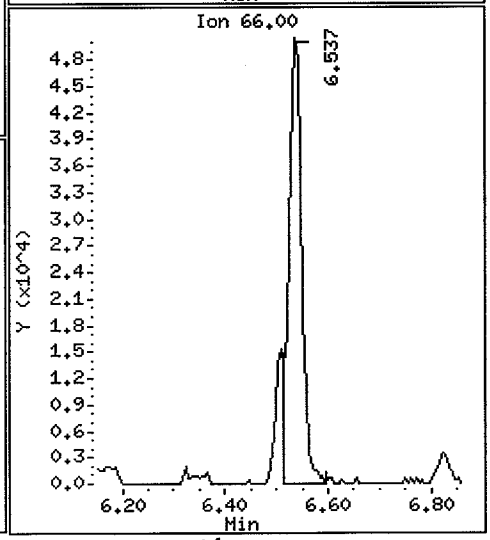


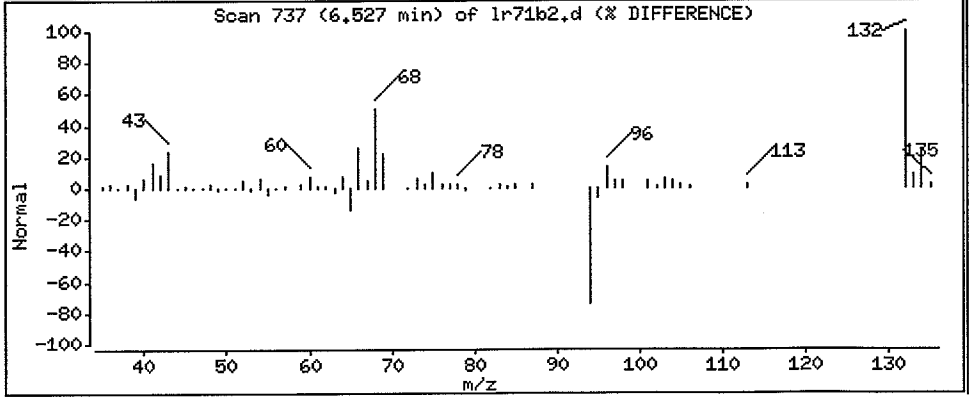












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

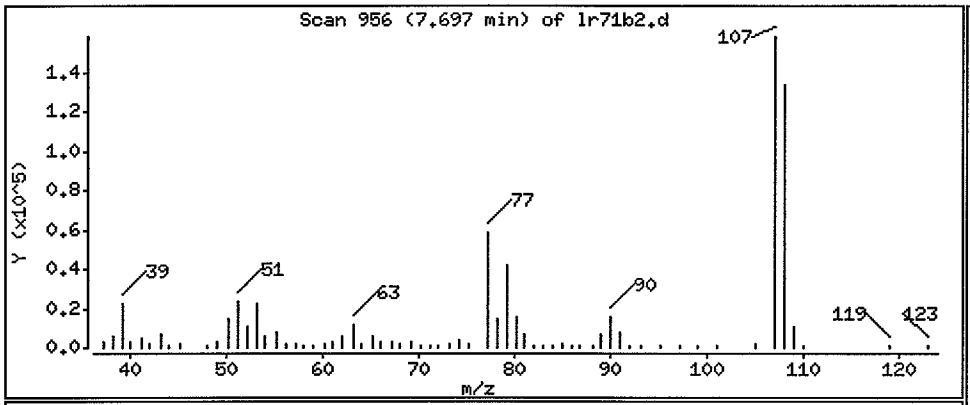
Operator: VTS

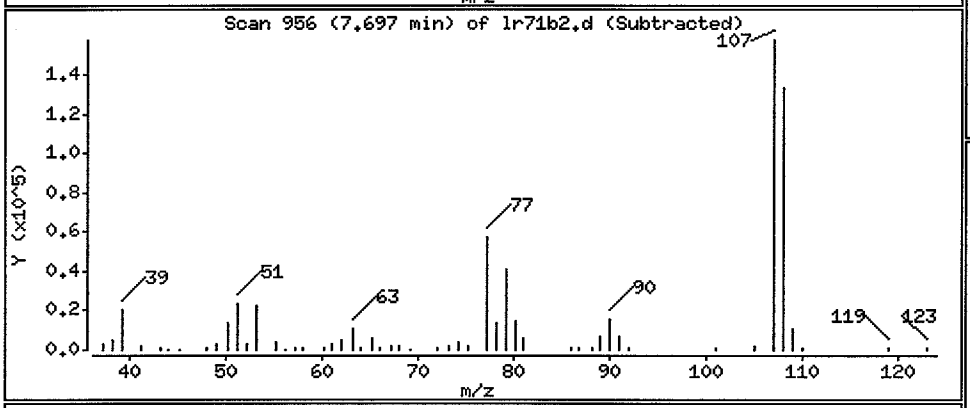
Column phase: ZB-5

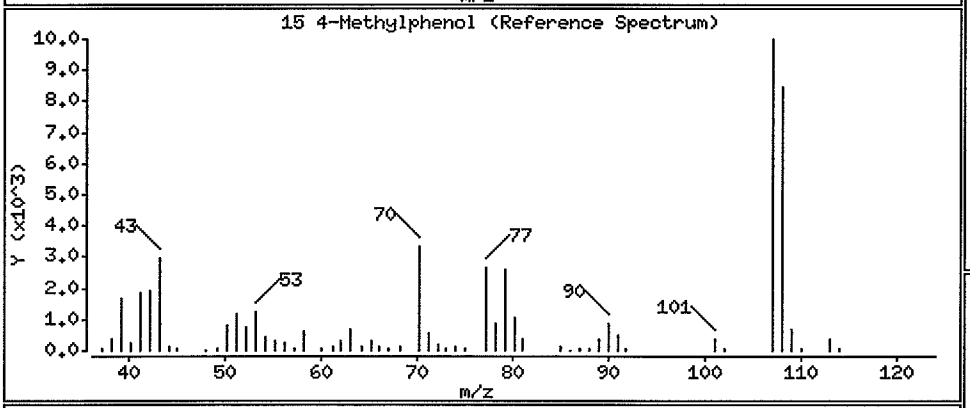
Column diameter: 0.32

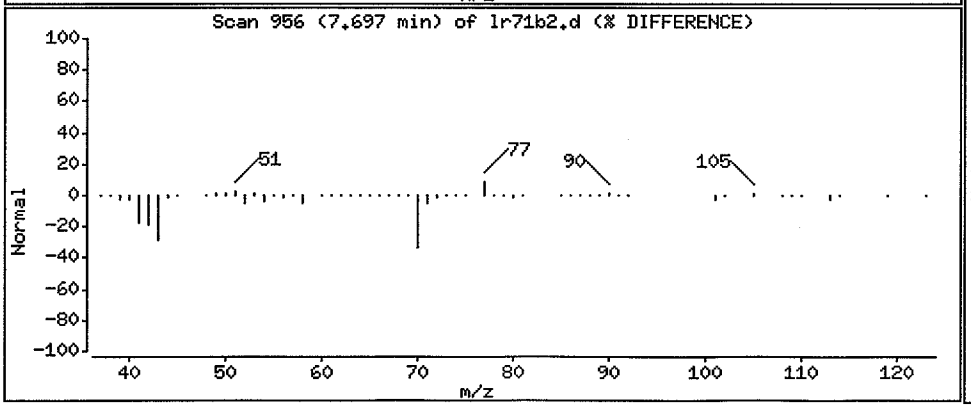
15 4-Methylphenol

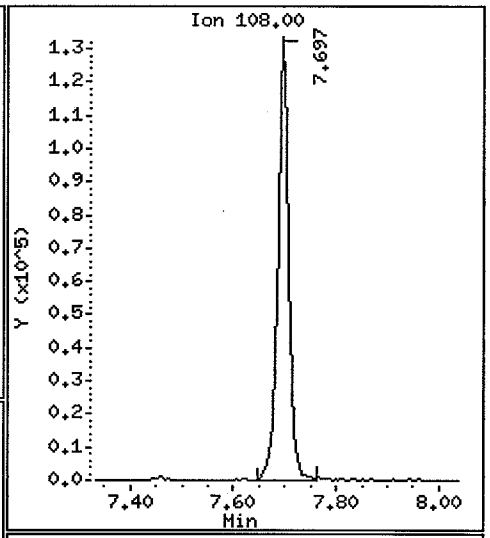
Concentration: 394.4 ug/Kg

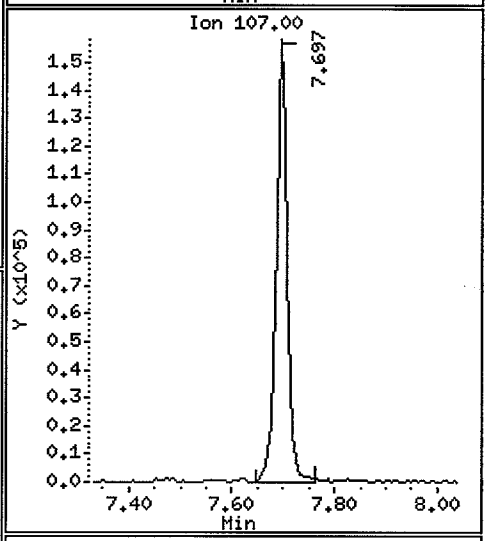


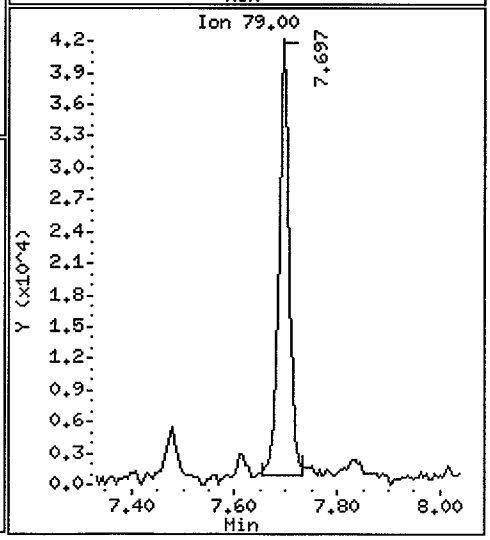












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

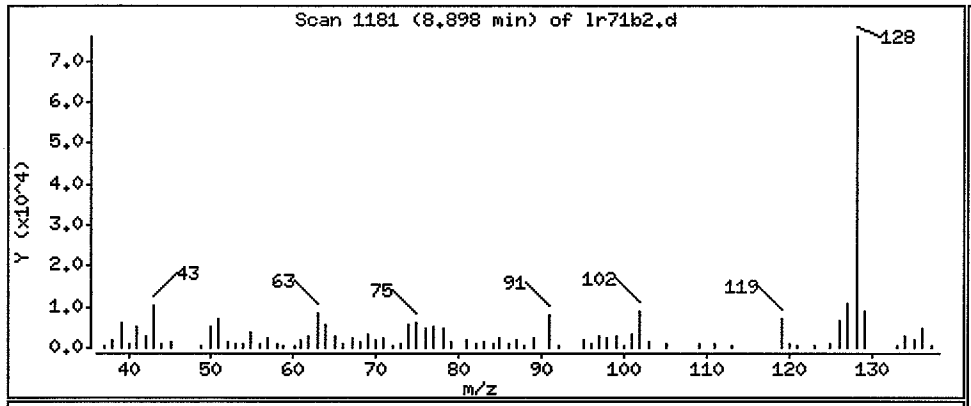
Operator: VTS

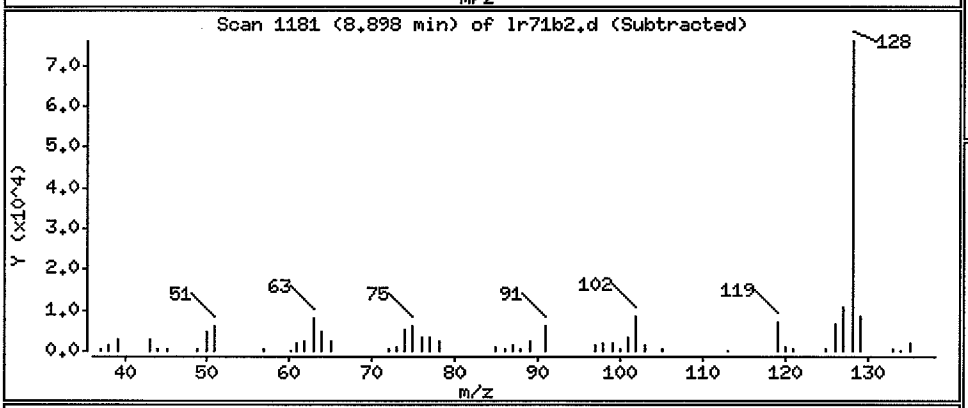
Column phase: ZB-5

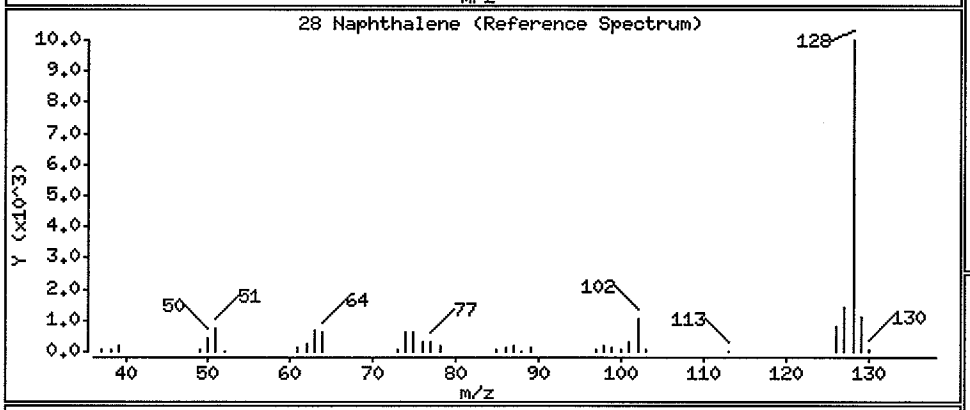
Column diameter: 0.32

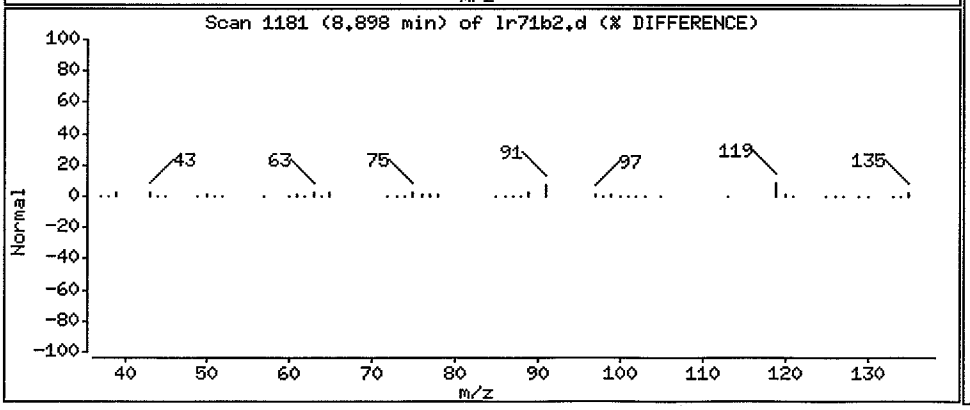
28 Naphthalene

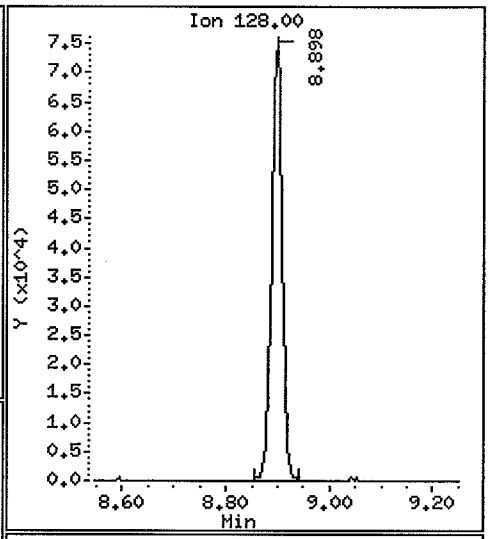
Concentration: 73.91 ug/Kg

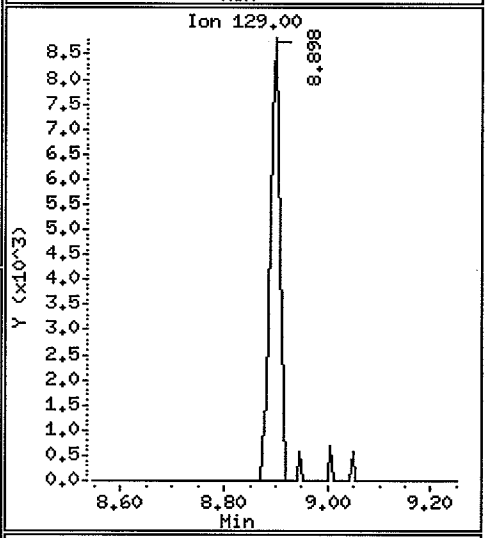


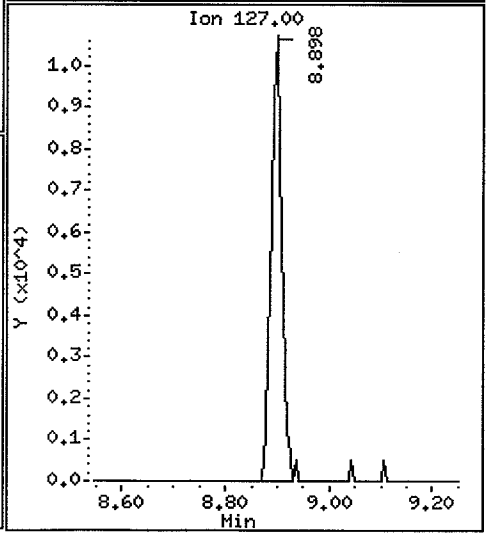












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

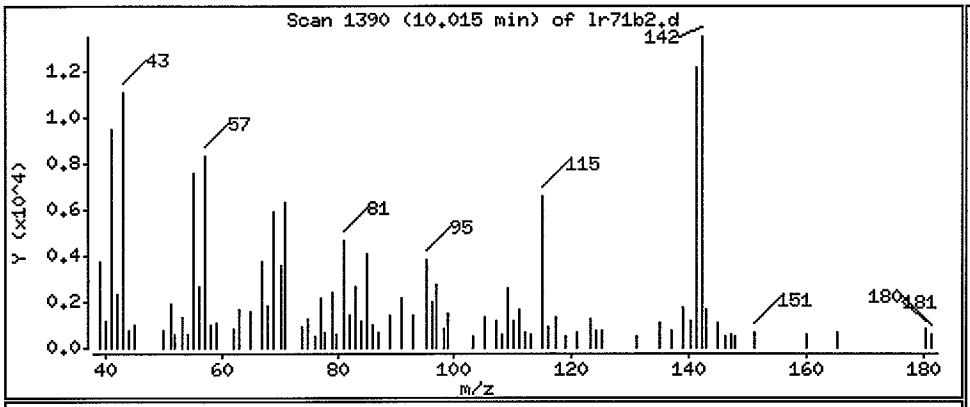
Operator: VTS

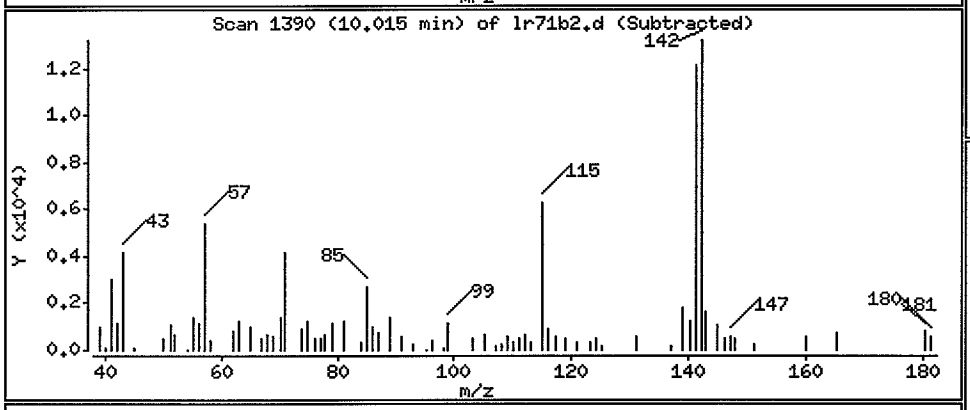
Column phase: ZB-5

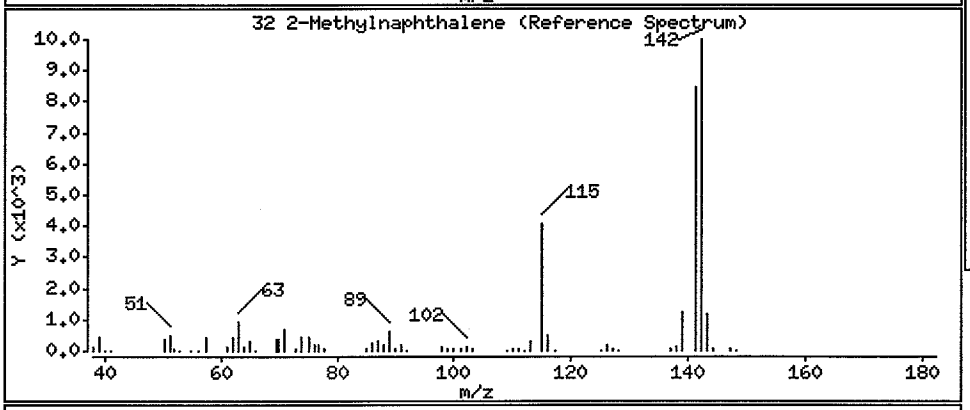
Column diameter: 0.32

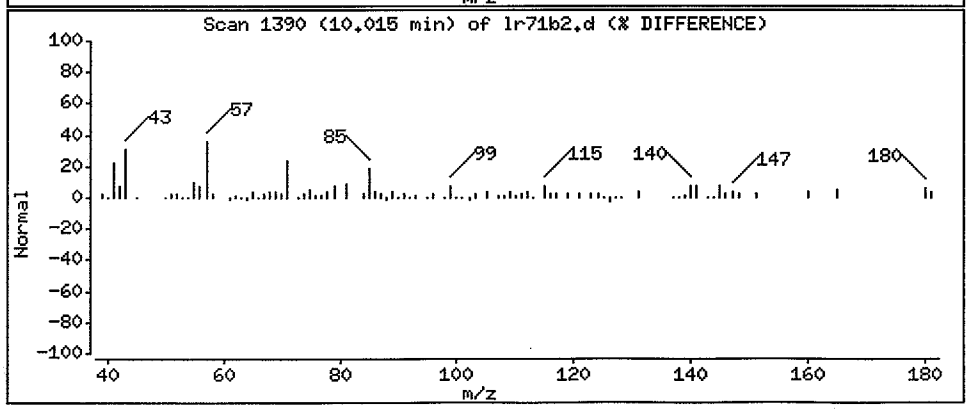
32 2-Methylnaphthalene

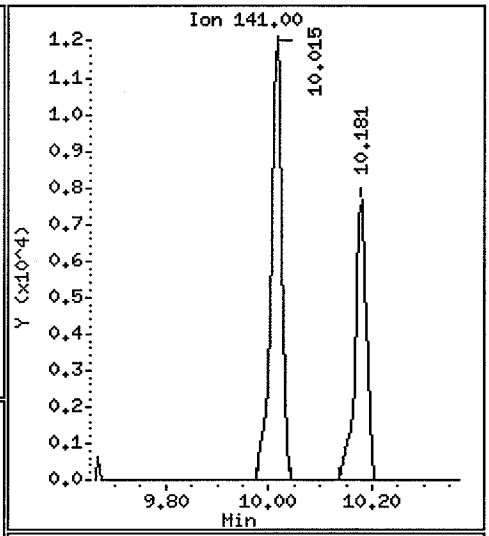
Concentration: 23.93 ug/Kg

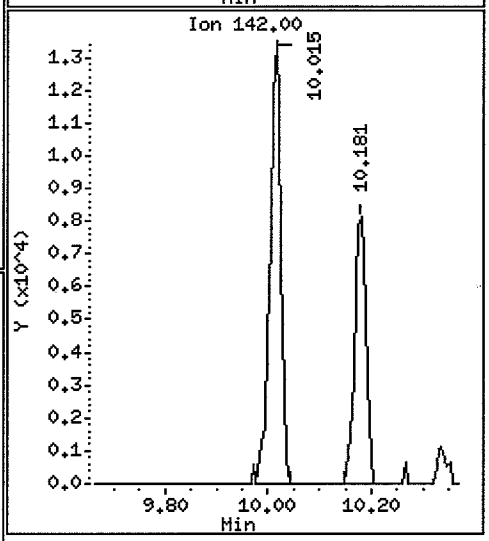












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

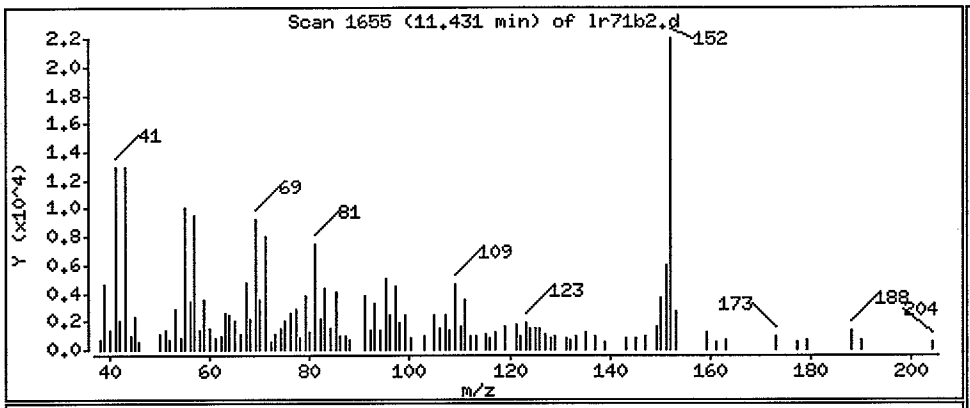
Operator: VTS

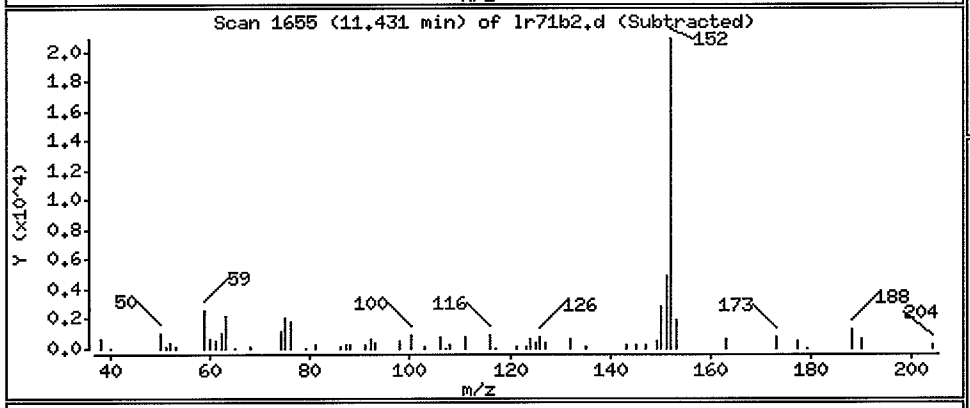
Column phase: ZB-5

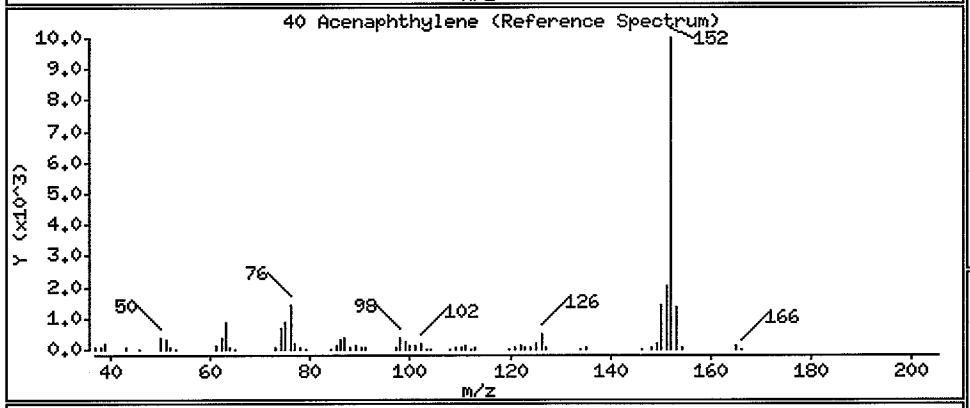
Column diameter: 0.32

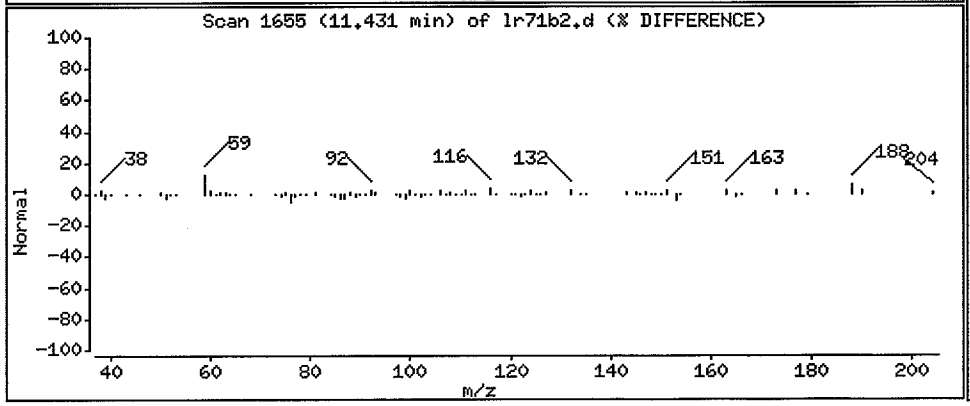
40 Acenaphthylene

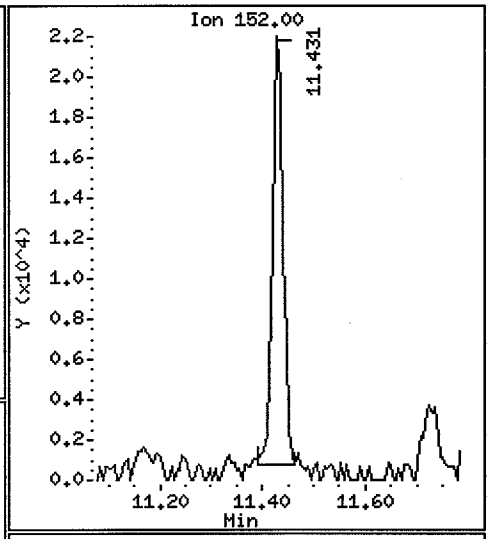
Concentration: 23.69 ug/Kg

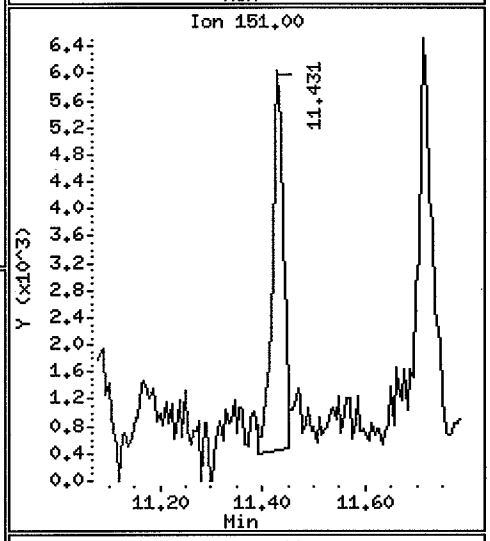


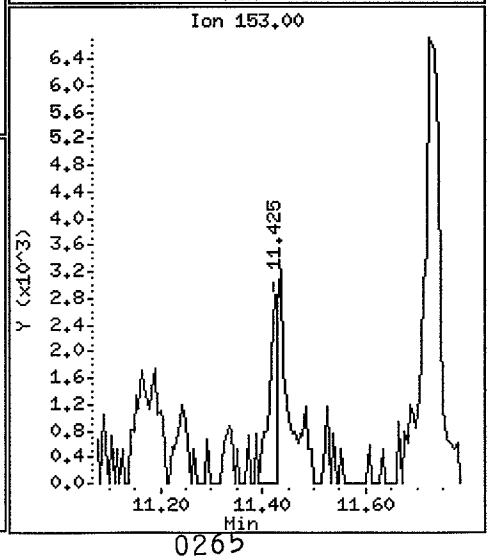












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

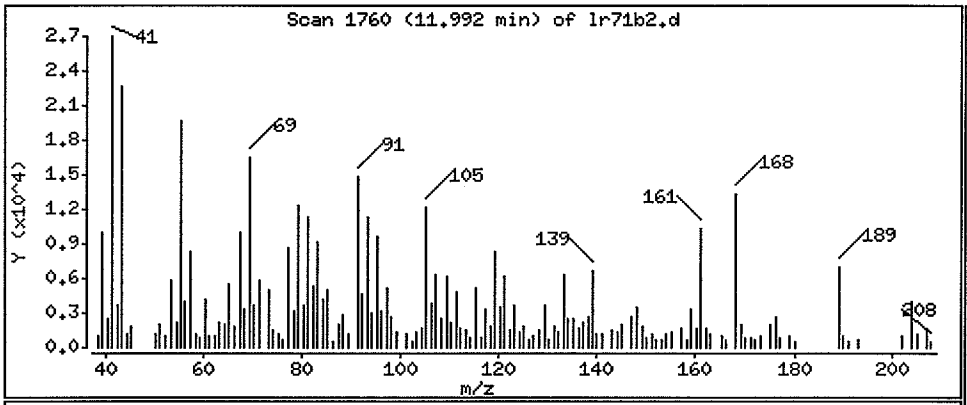
Operator: VTS

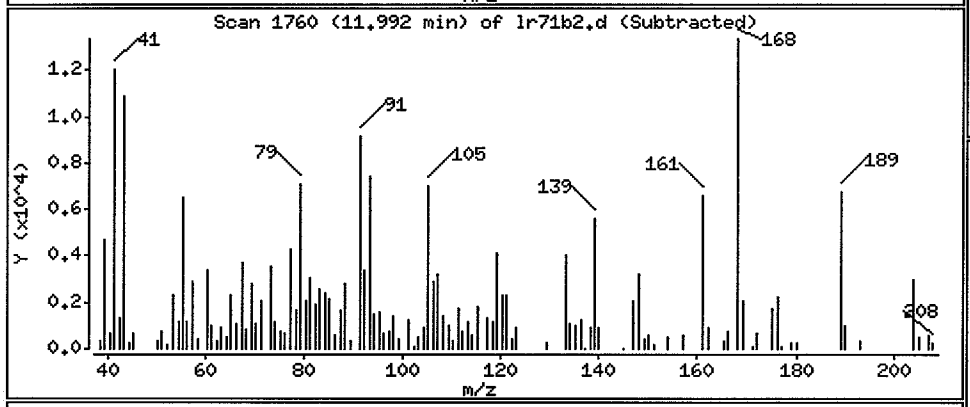
Column phase: ZB-5

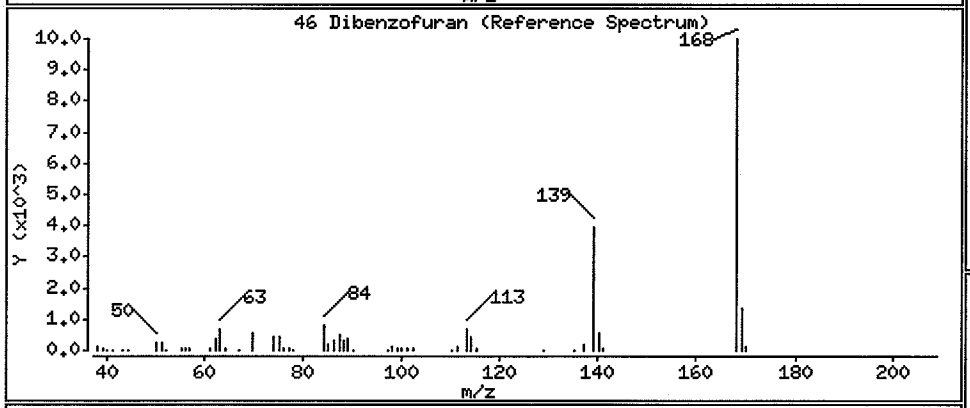
Column diameter: 0.32

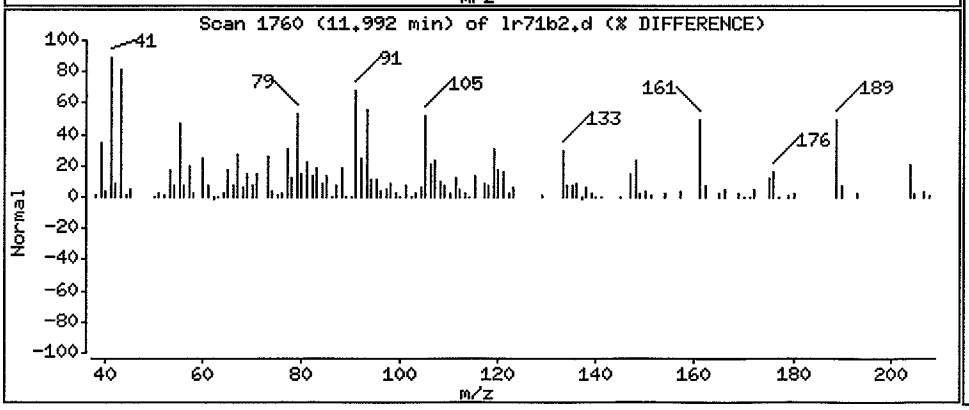
46 Dibenzofuran

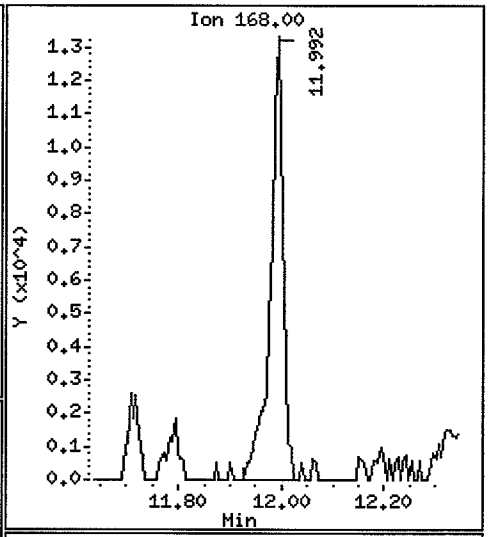
Concentration: 20.79 ug/Kg

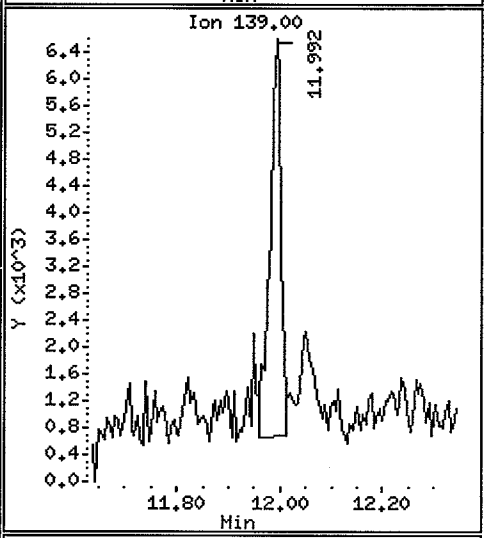


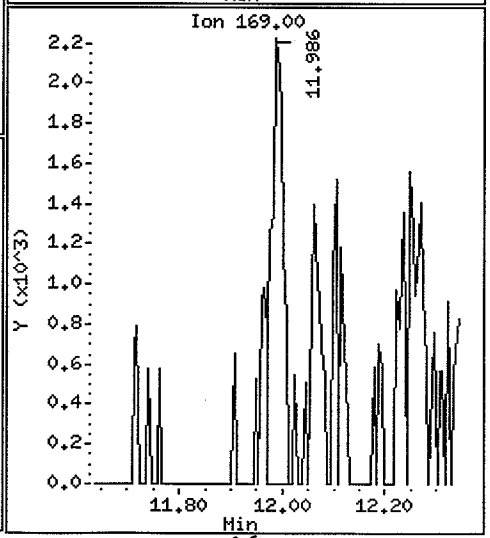












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

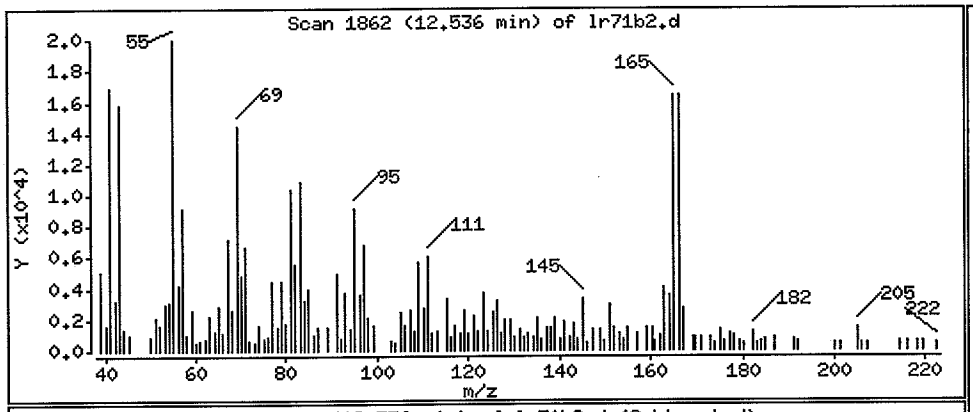
Operator: VTS

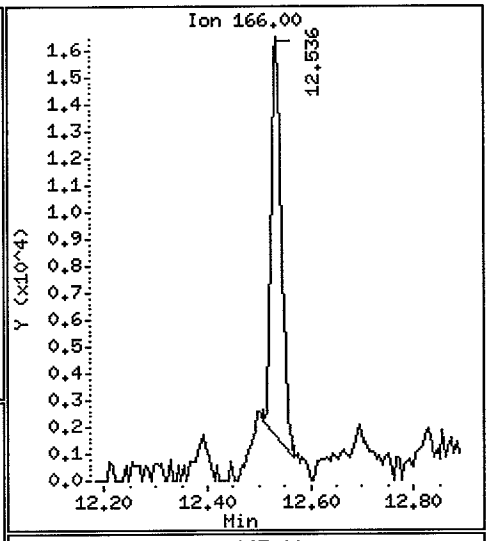
Column phase: ZB-5

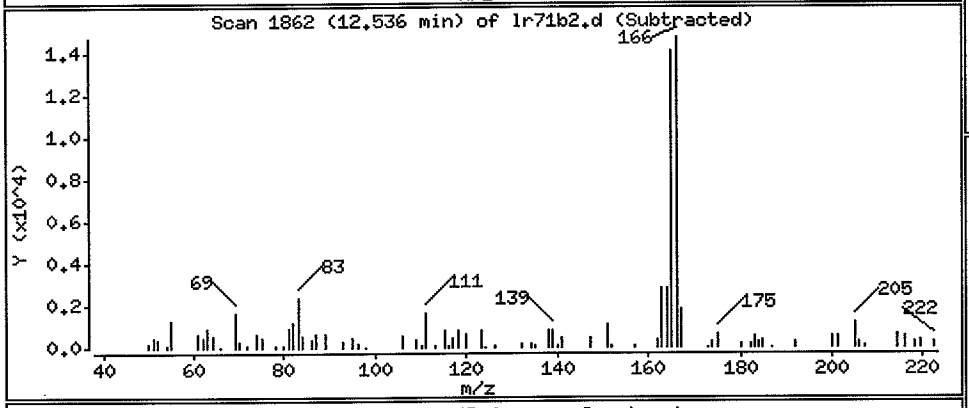
Column diameter: 0.32

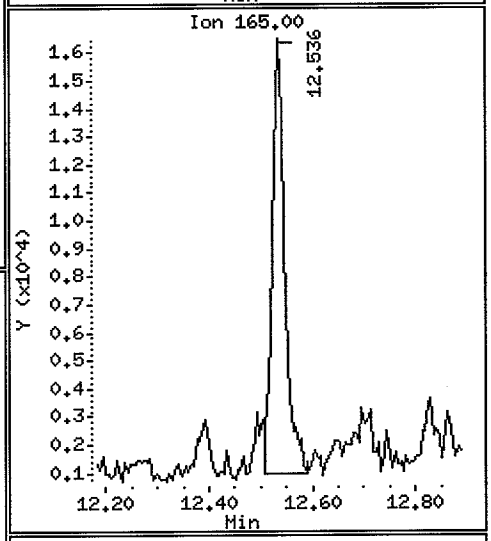
49 Fluorene

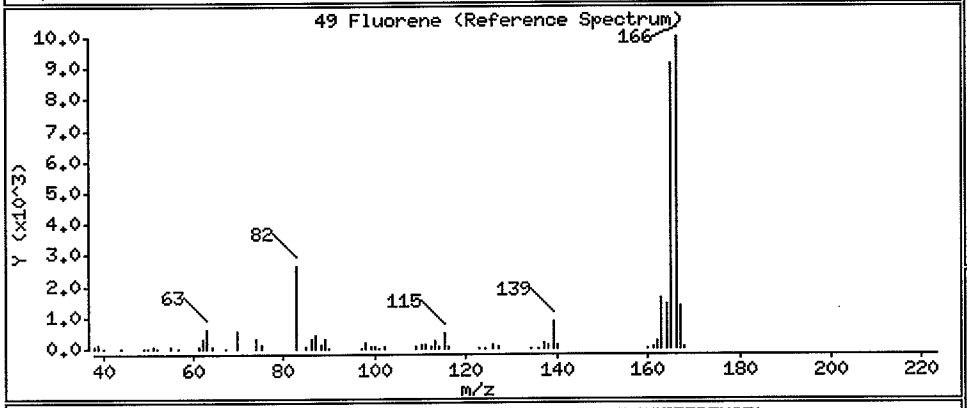
Concentration: 22.33 ug/Kg

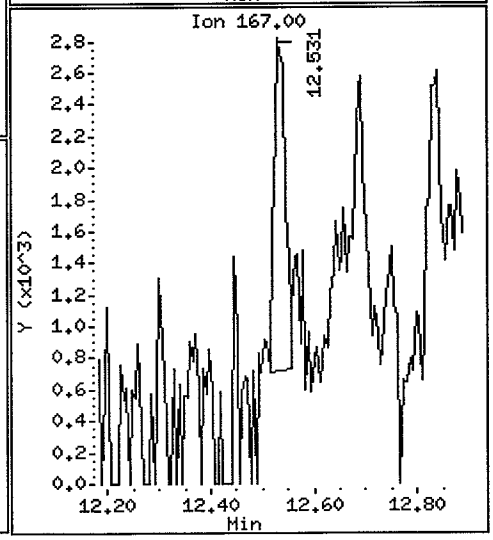


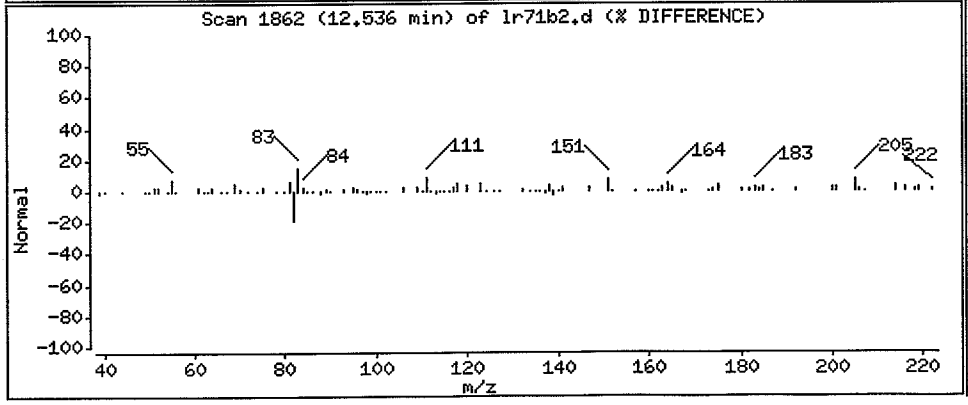












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

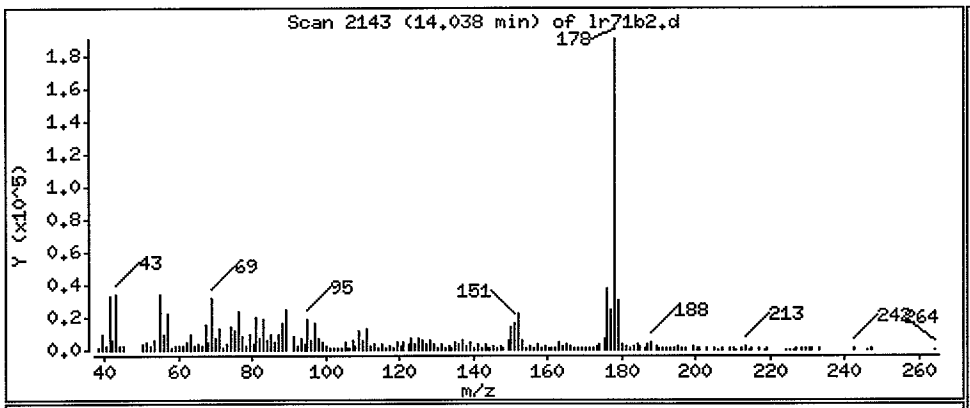
Operator: VTS

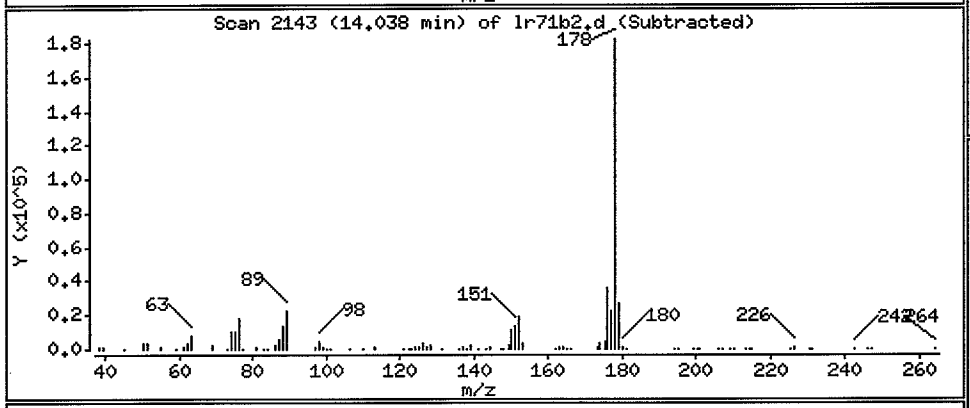
Column phase: ZB-5

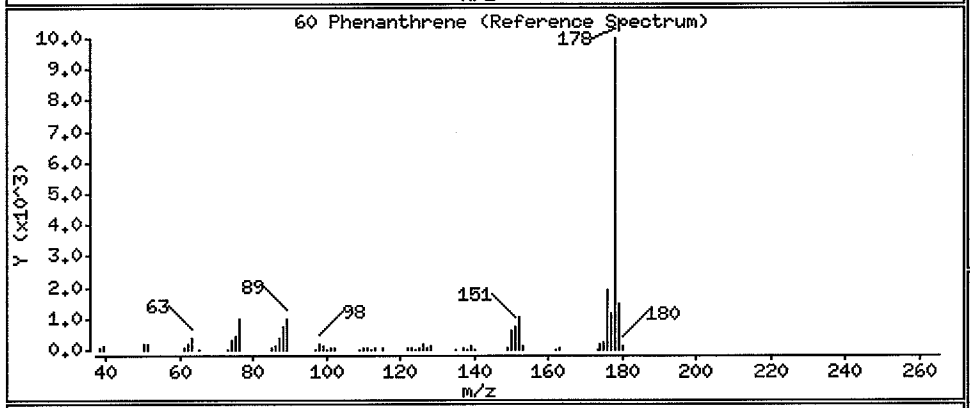
Column diameter: 0.32

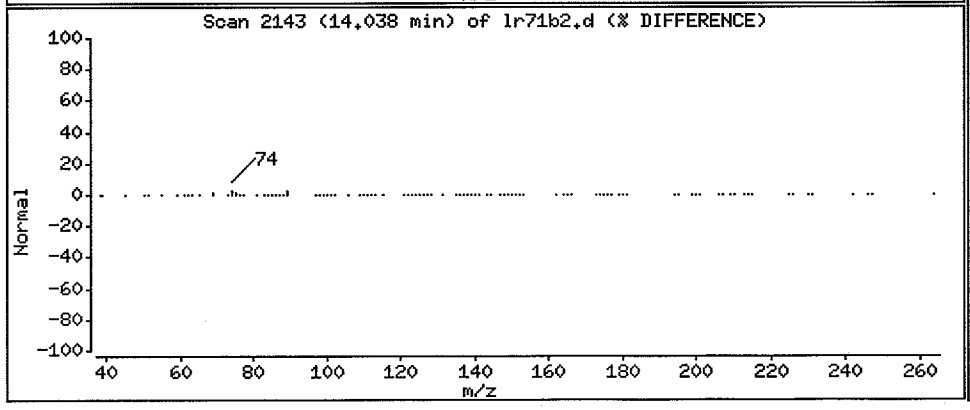
60 Phenanthrene

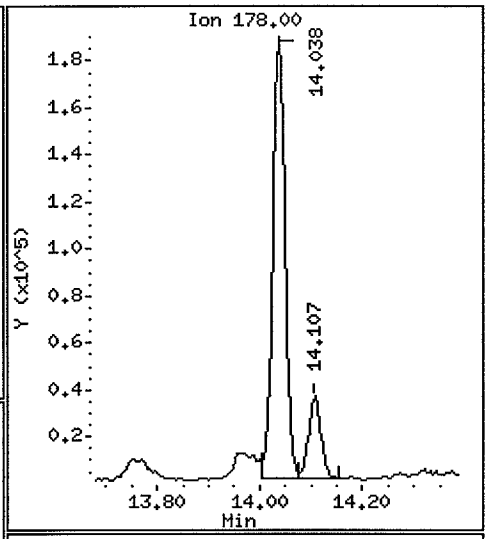
Concentration: 214.4 ug/Kg

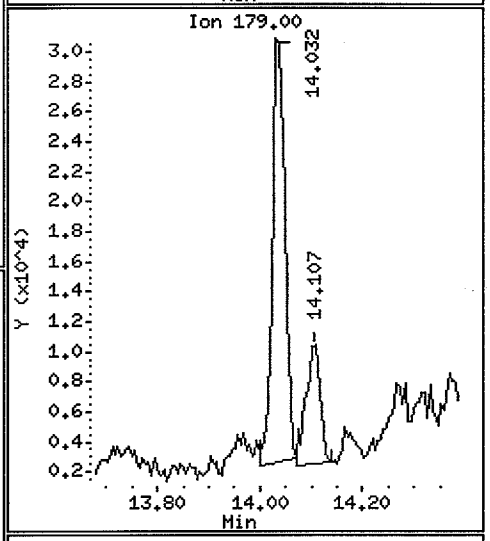


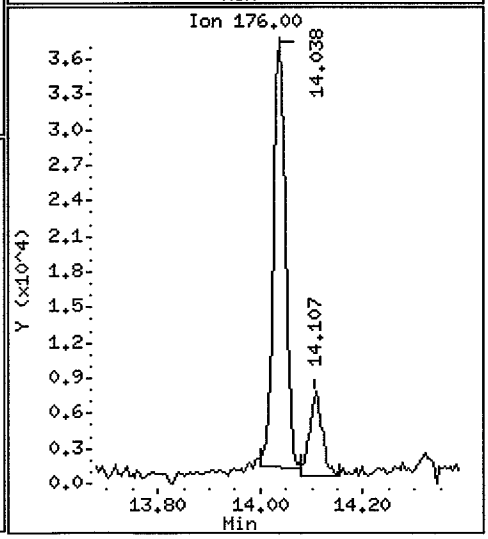












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

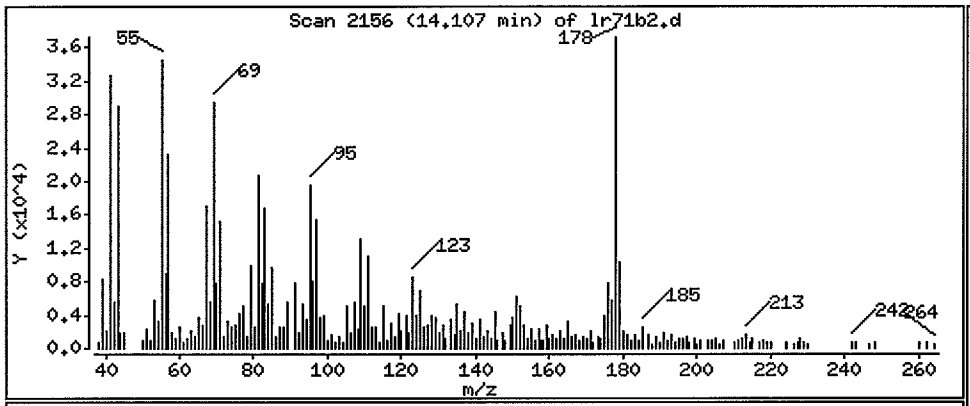
Operator: VTS

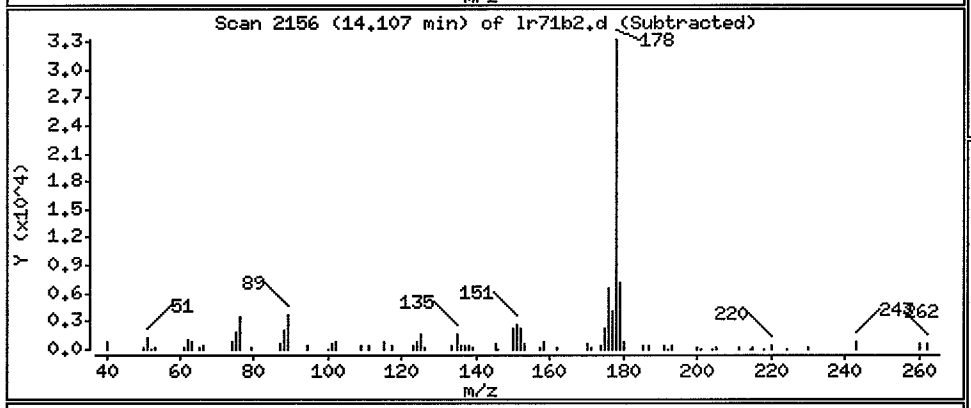
Column phase: ZB-5

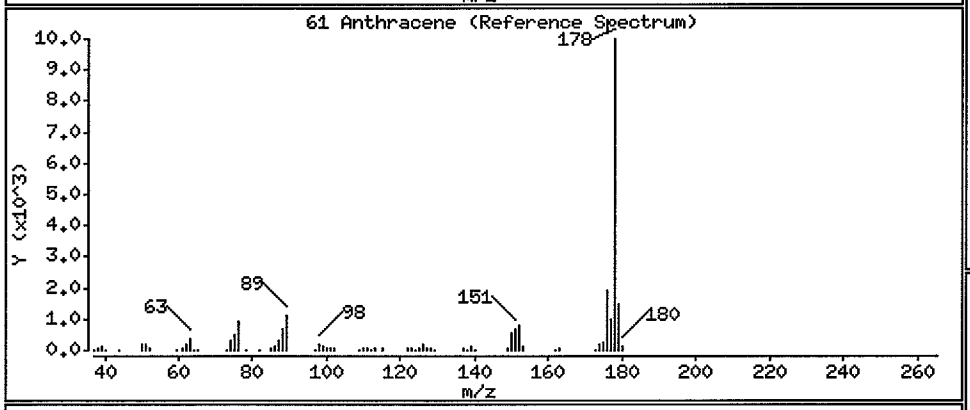
Column diameter: 0.32

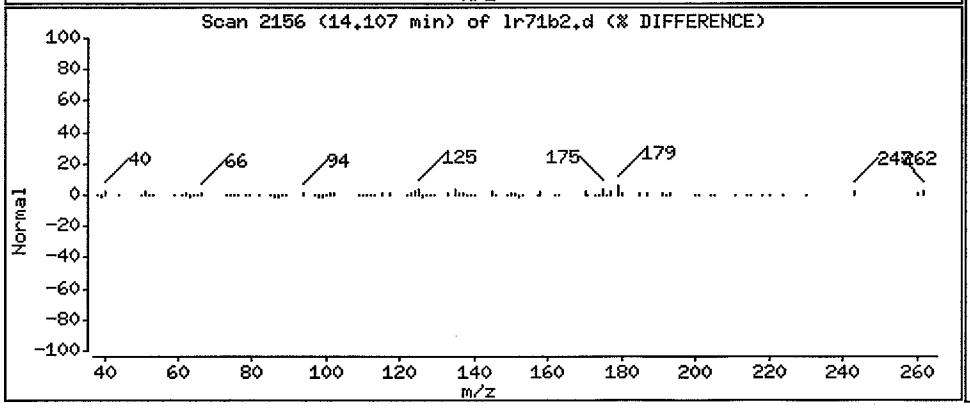
61 Anthracene

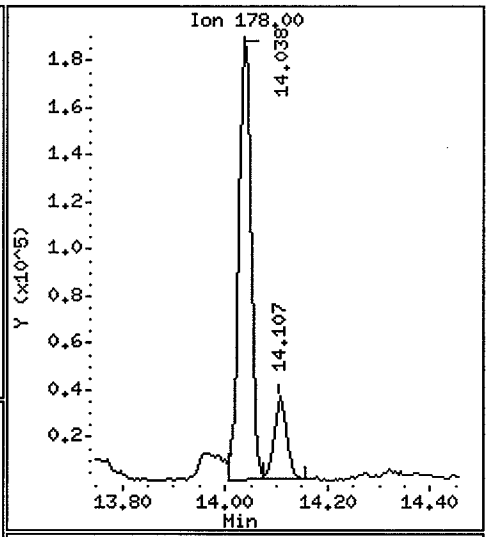
Concentration: 41.49 ug/Kg

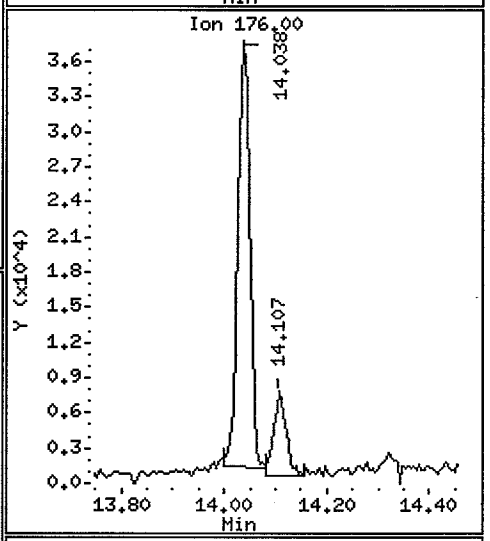


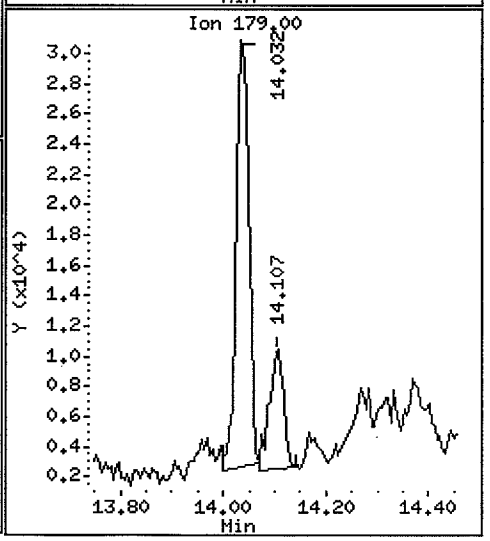












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

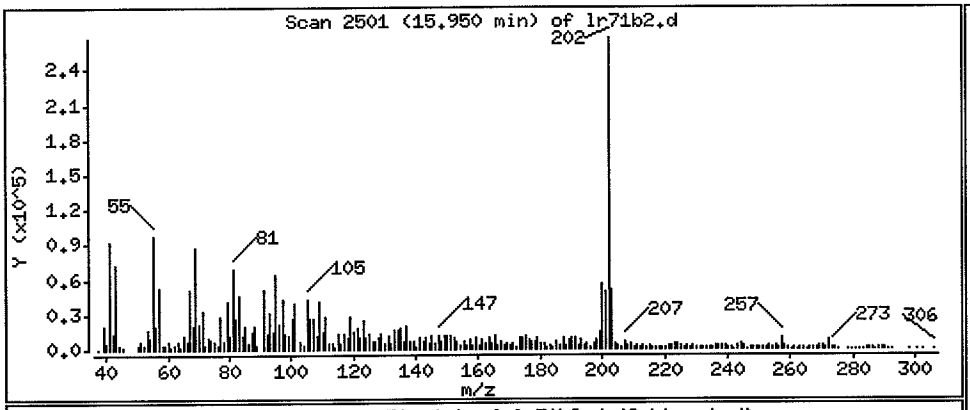
Operator: VTS

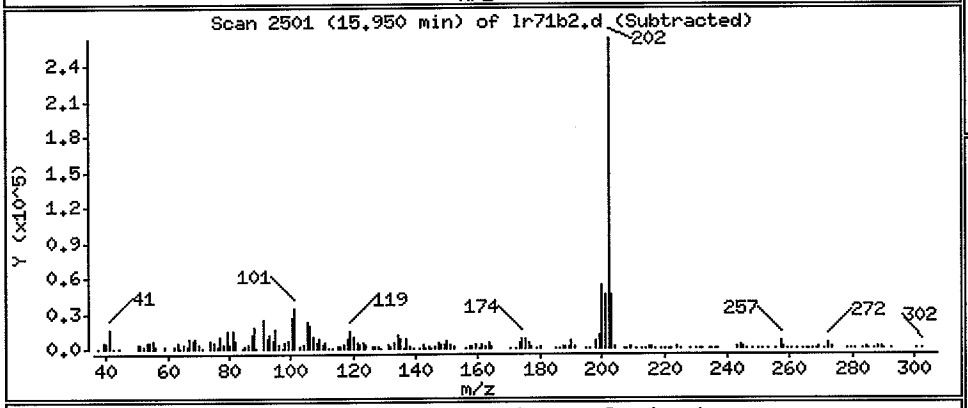
Column phase: ZB-5

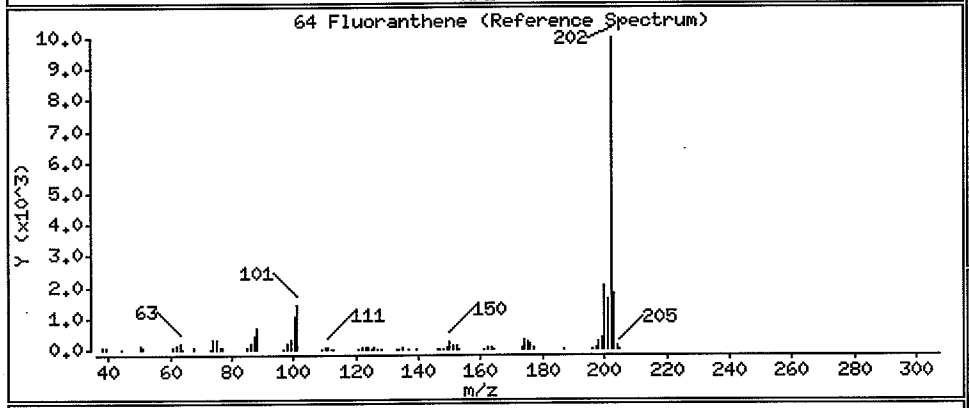
Column diameter: 0.32

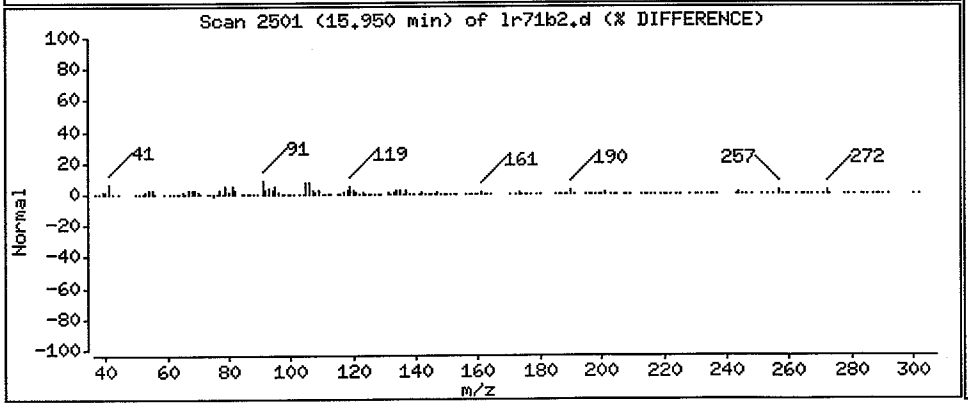
64 Fluoranthene

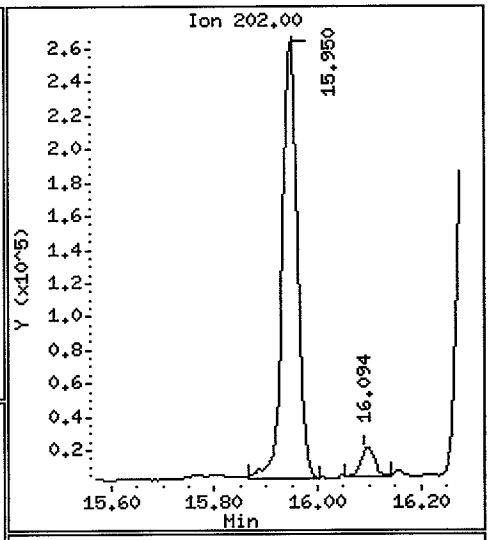
Concentration: 340.4 ug/Kg

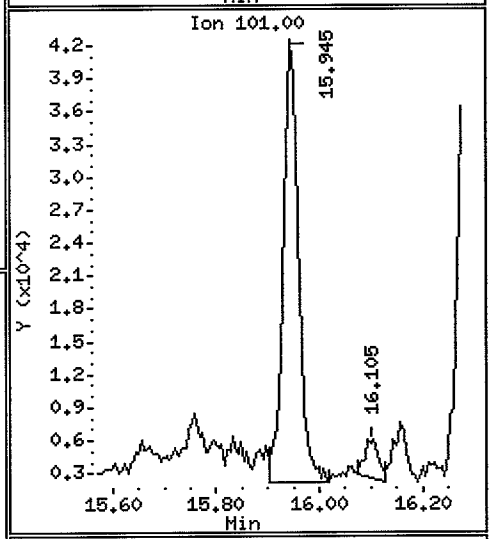


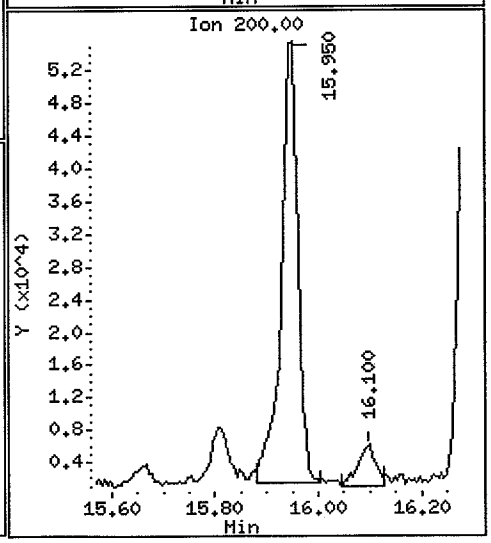












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

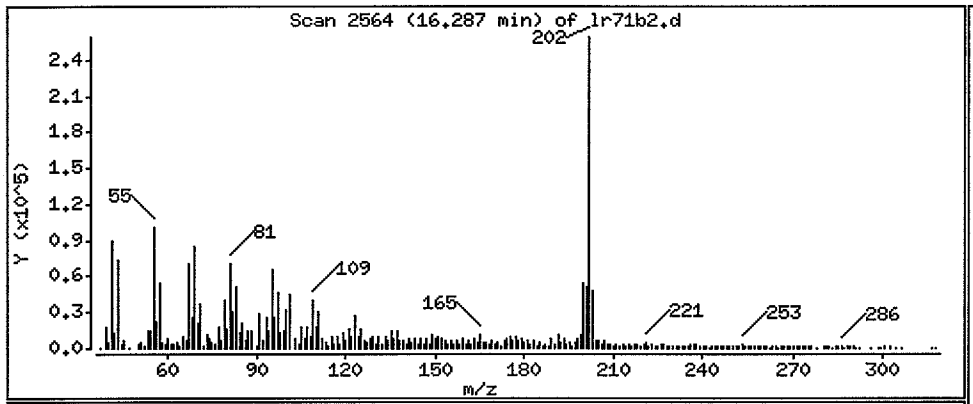
Operator: VTS

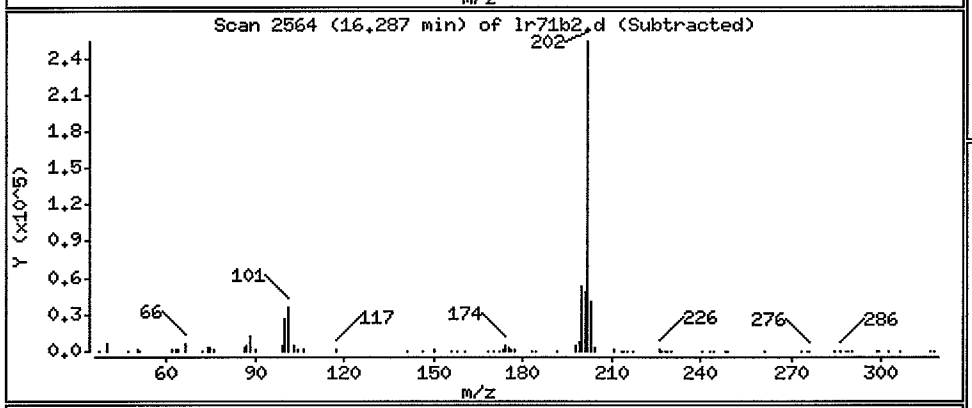
Column phase: ZB-5

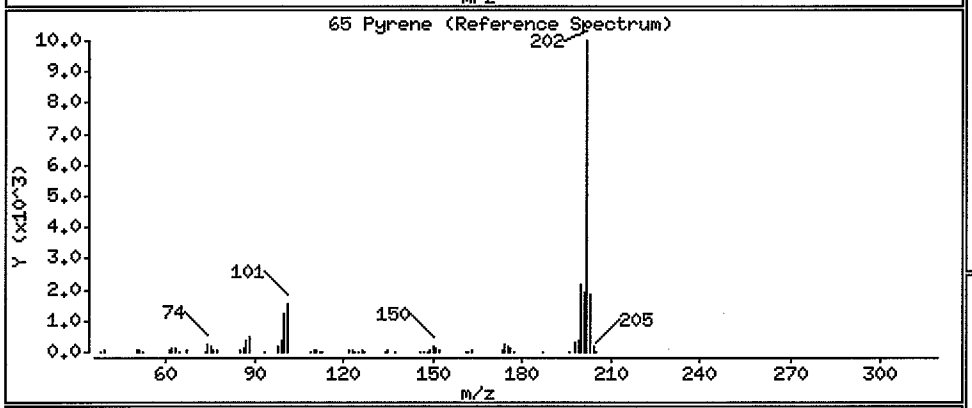
Column diameter: 0.32

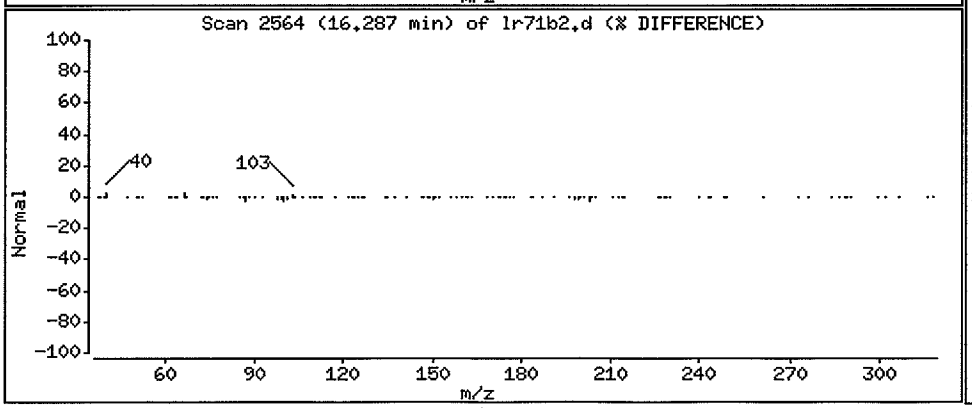
65 Pyrene

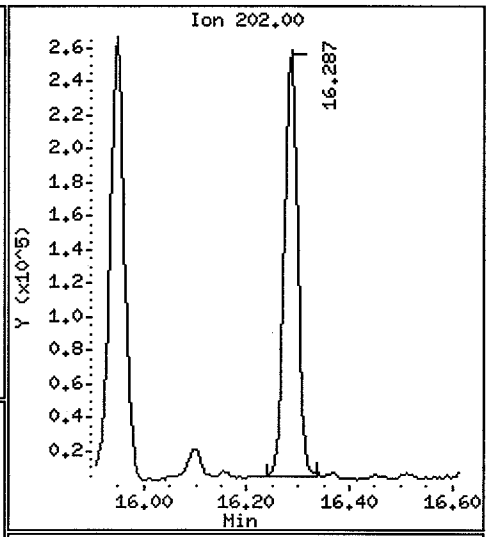
Concentration: 169.5 ug/Kg

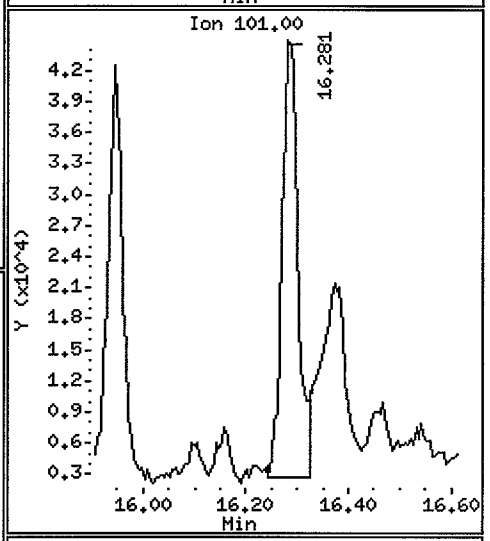


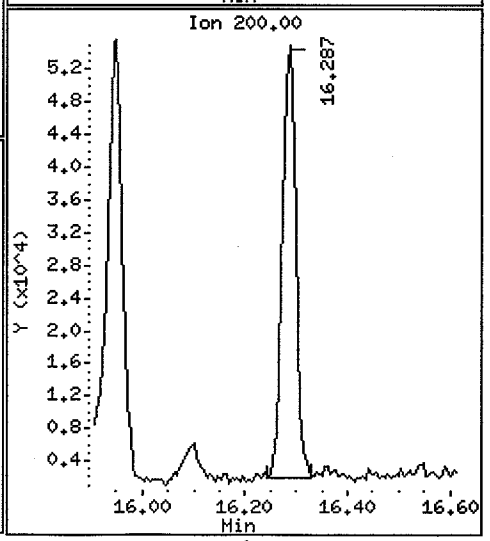












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

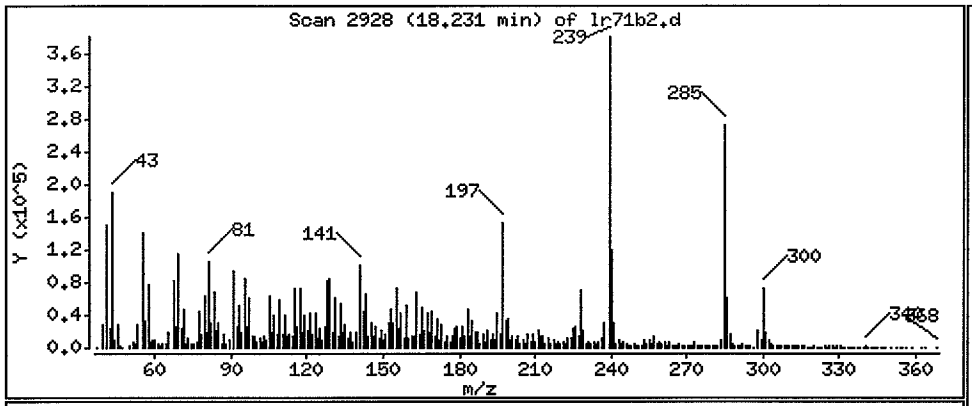
Operator: VTS

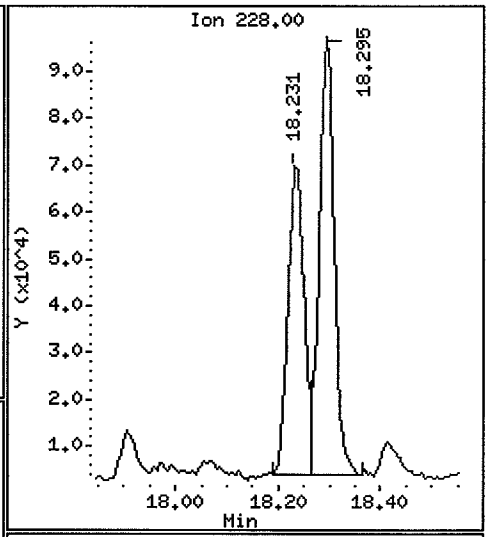
Column phase: ZB-5

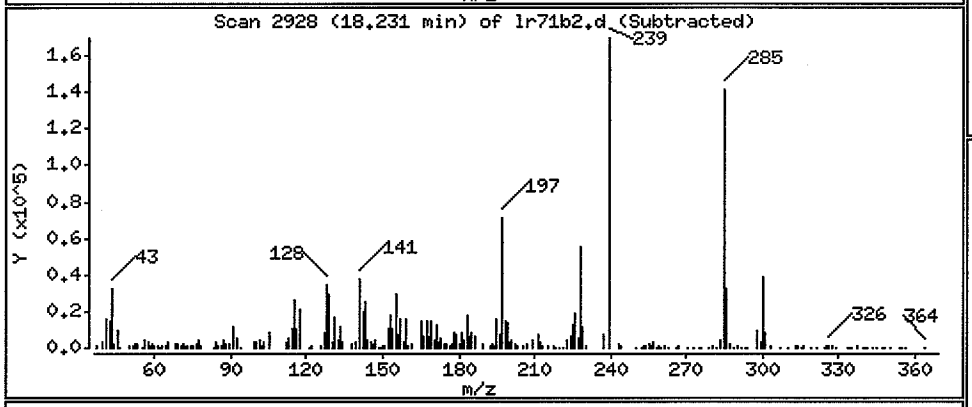
Column diameter: 0.32

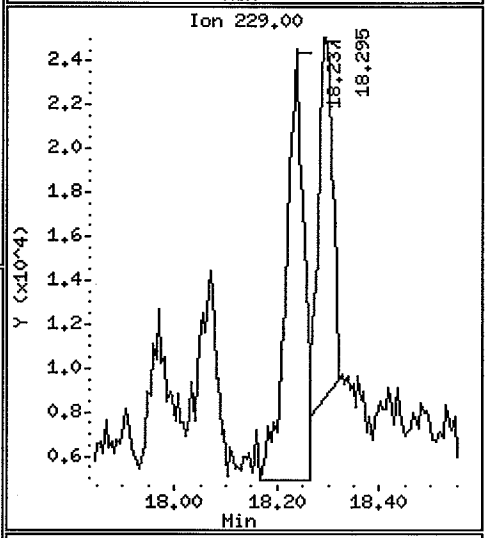
68 Benzo(a)anthracene

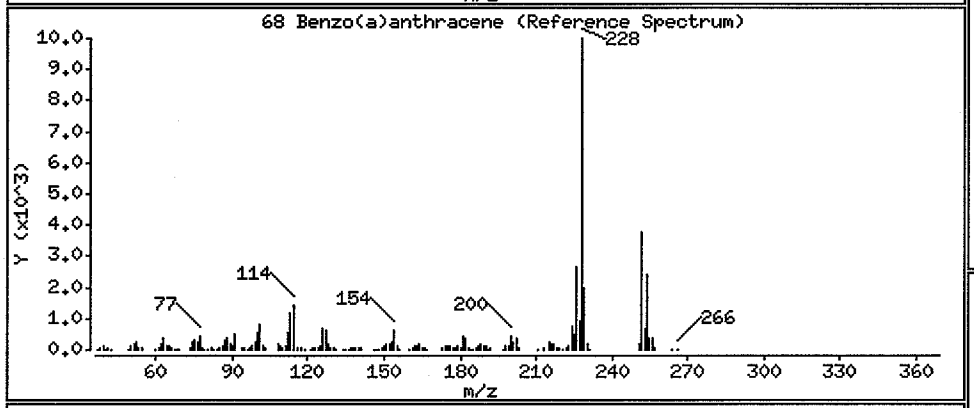
Concentration: 59.07 ug/Kg

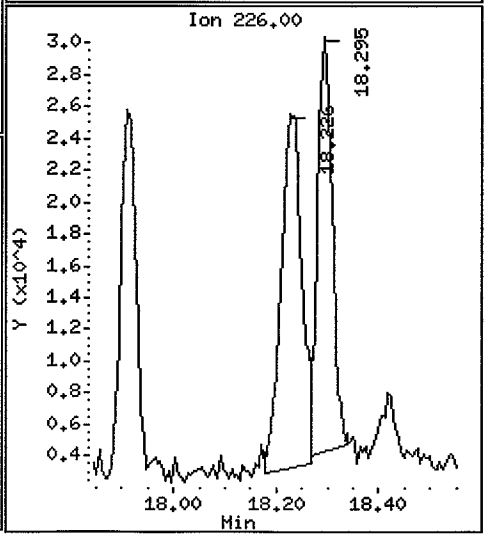


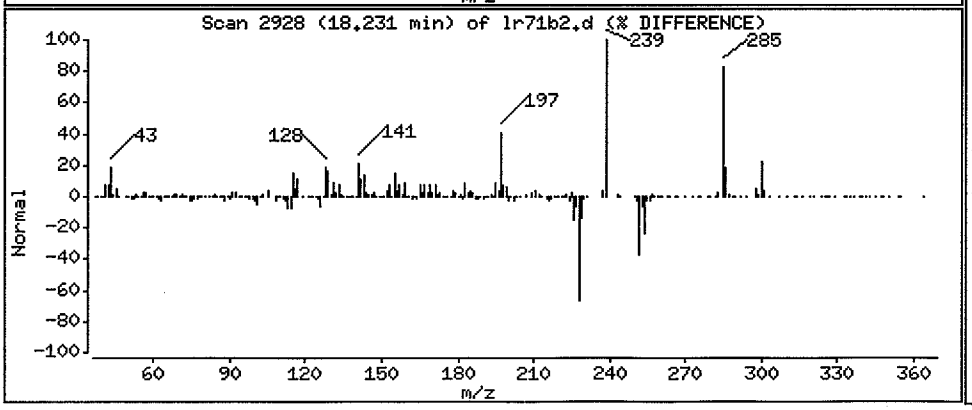












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

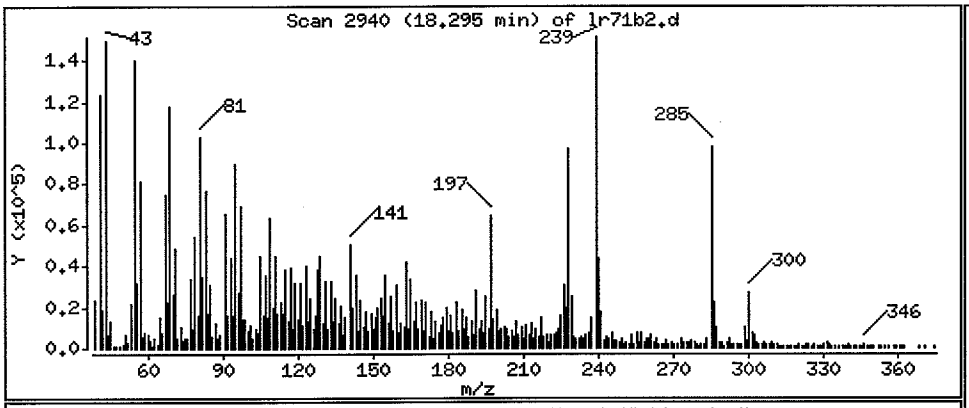
Operator: VTS

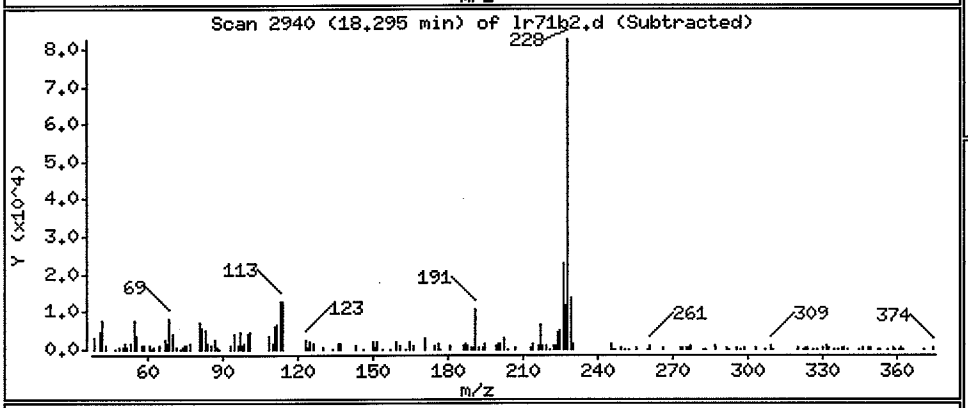
Column phase: ZB-5

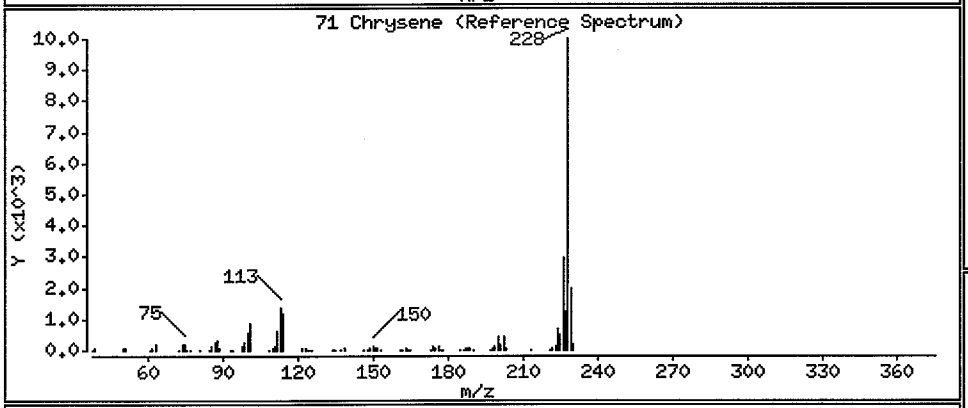
Column diameter: 0.32

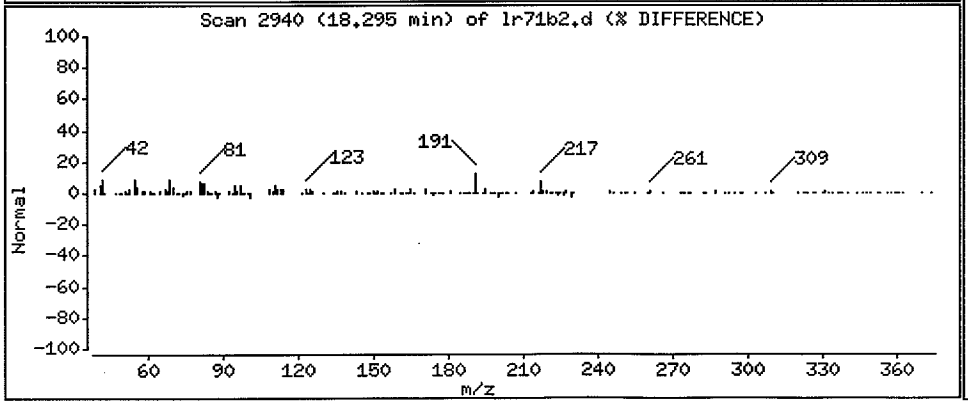
71 Chrysene

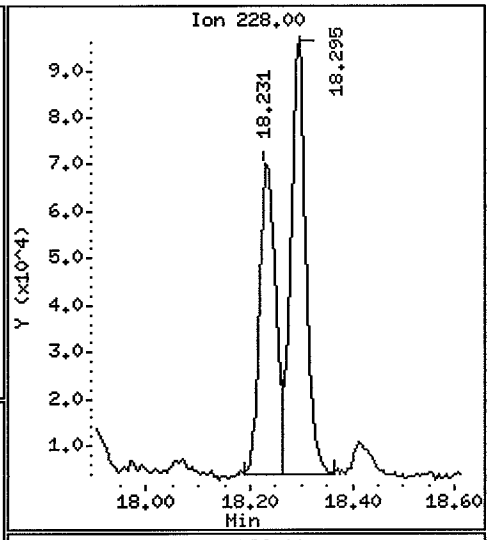
Concentration: 79.27 ug/Kg

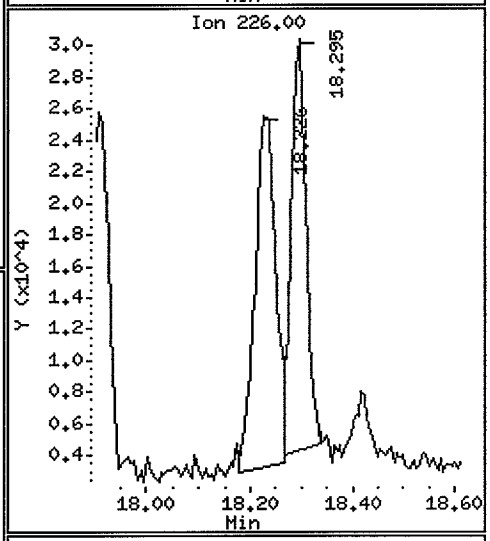


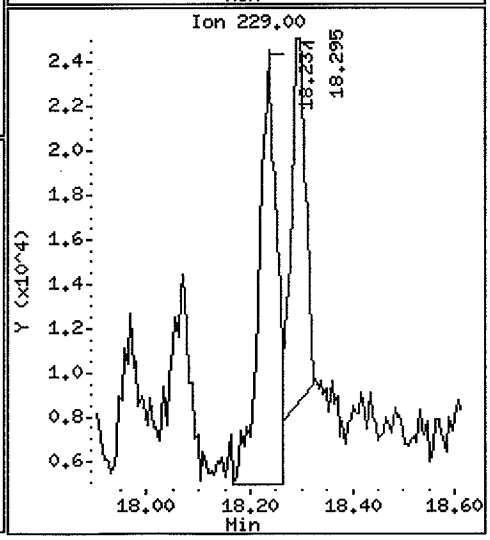












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

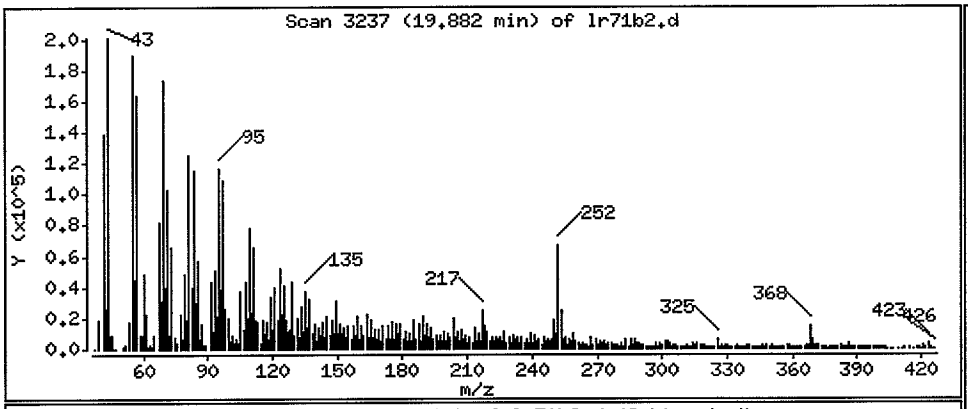
Operator: VTS

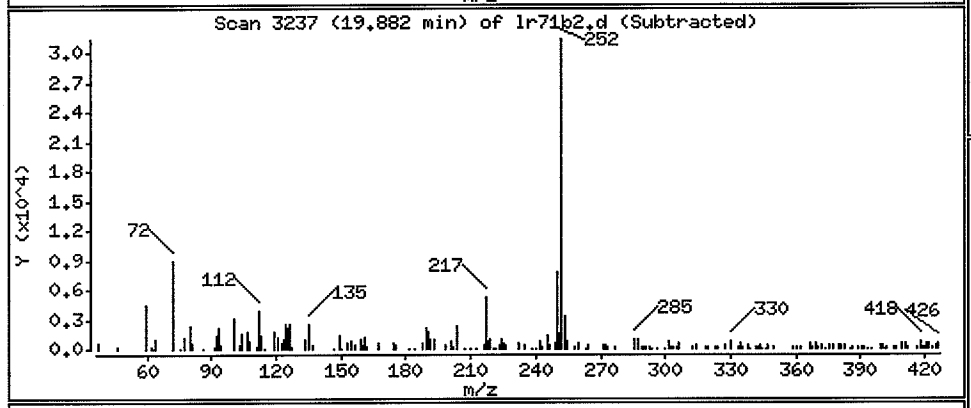
Column phase: ZB-5

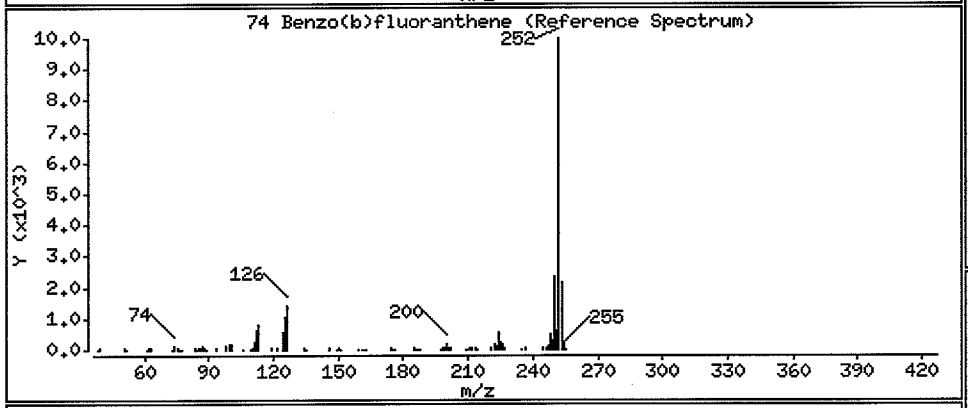
Column diameter: 0.32

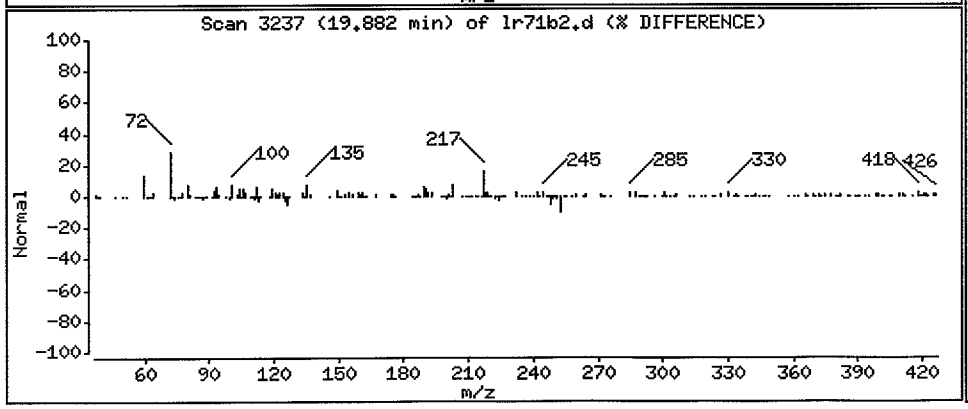
74 Benzo(b)fluoranthene

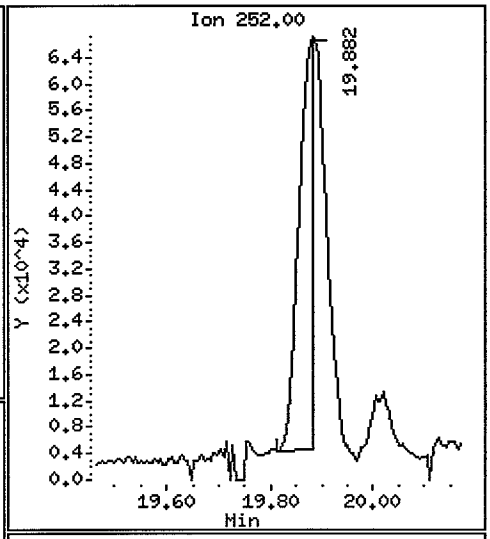
Concentration: 70.14 ug/Kg

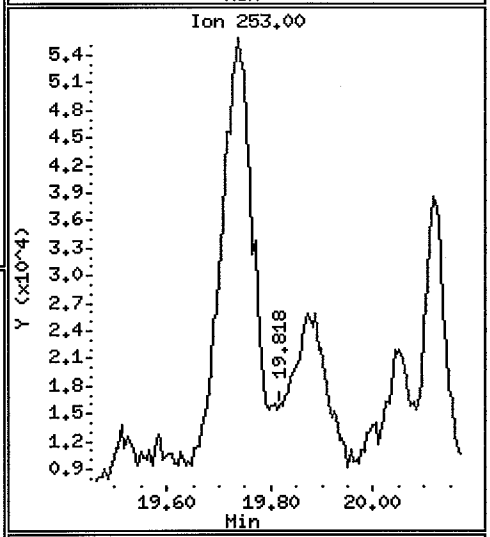


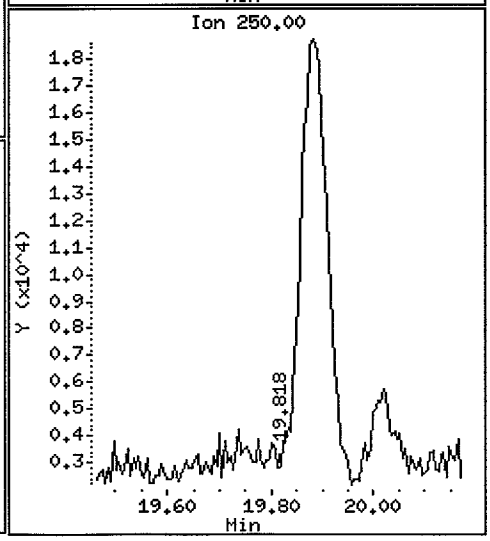












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

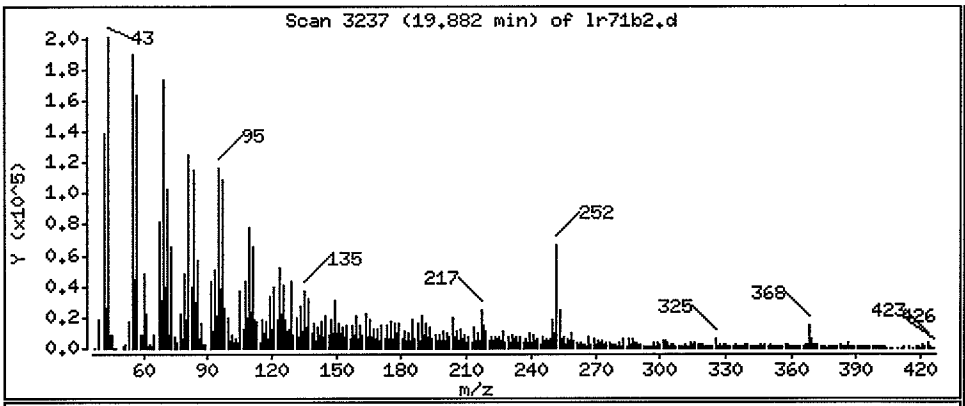
Operator: VTS

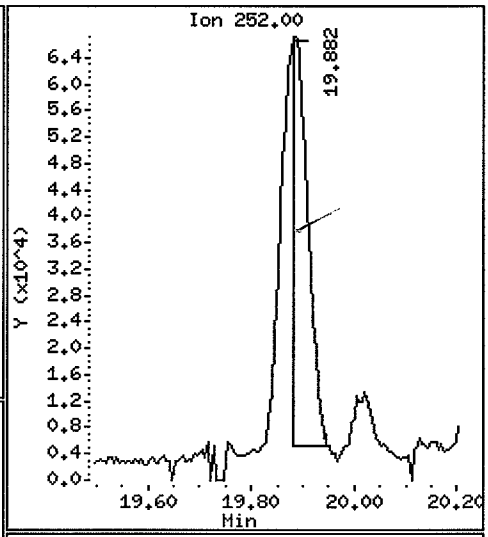
Column phase: ZB-5

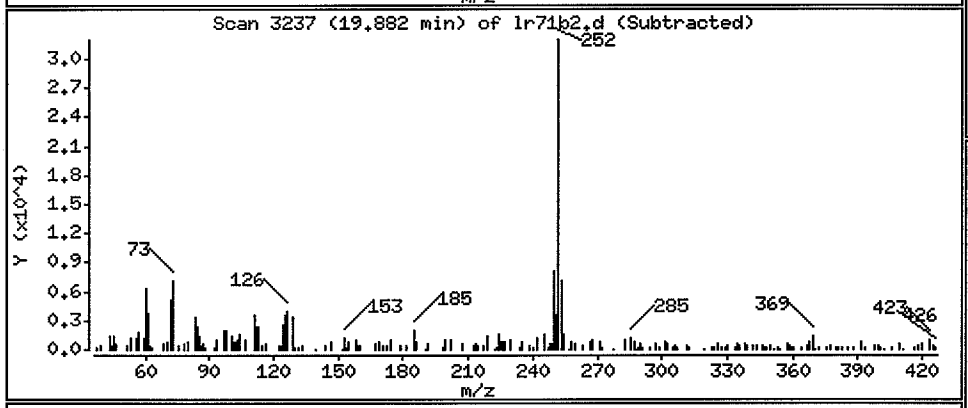
Column diameter: 0.32

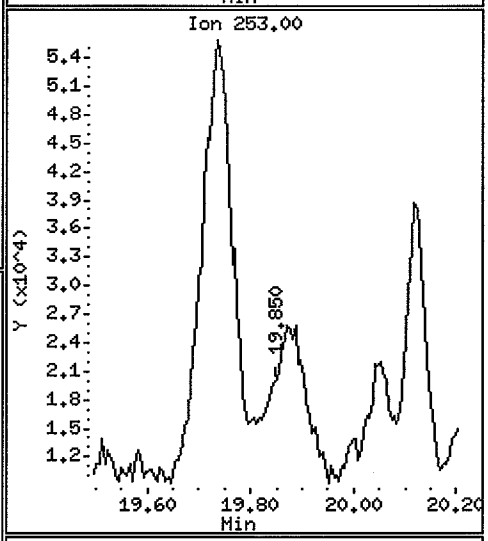
75 Benzo(k)fluoranthene

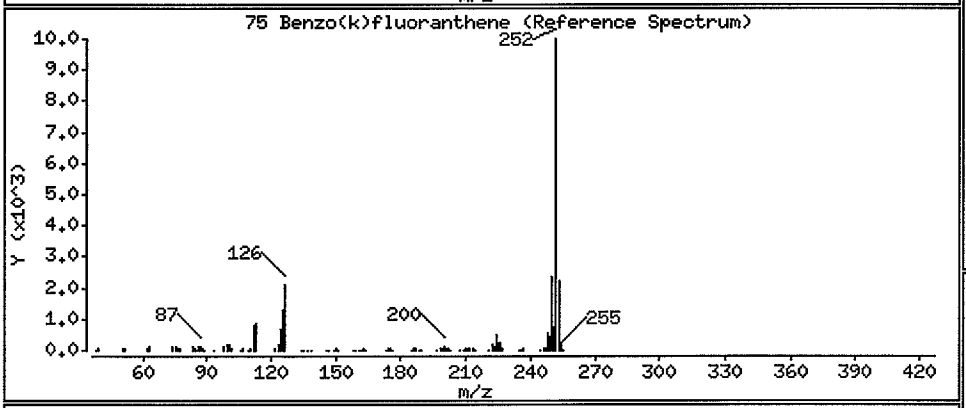
Concentration: 70.39 ug/Kg

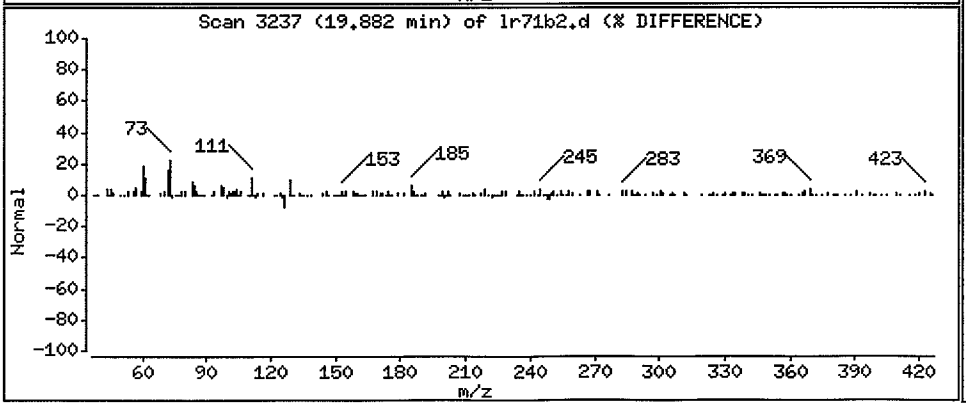


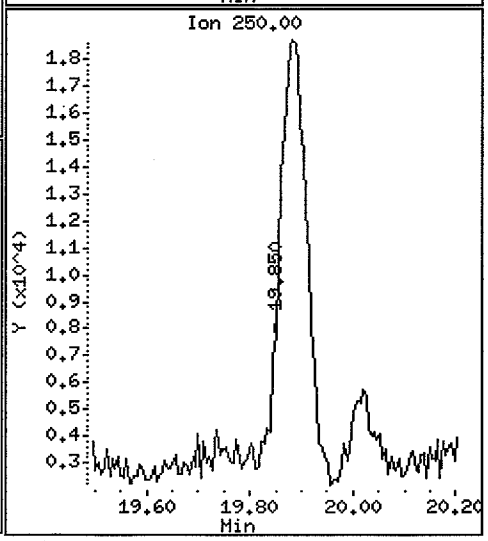












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

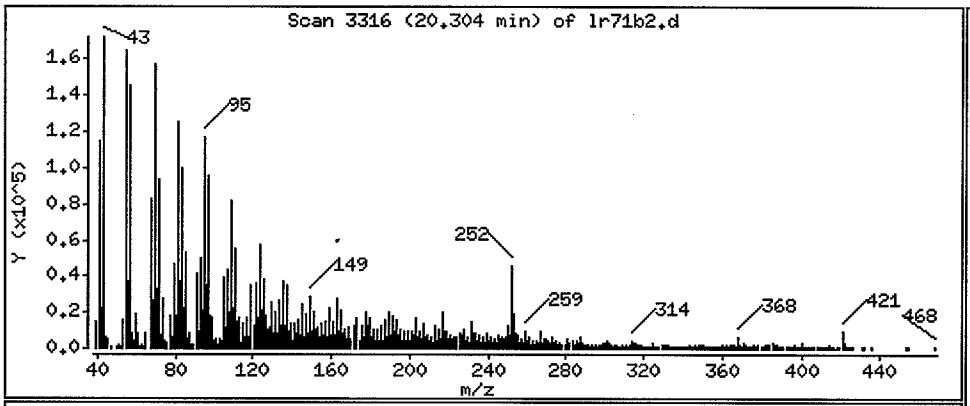
Operator: VTS

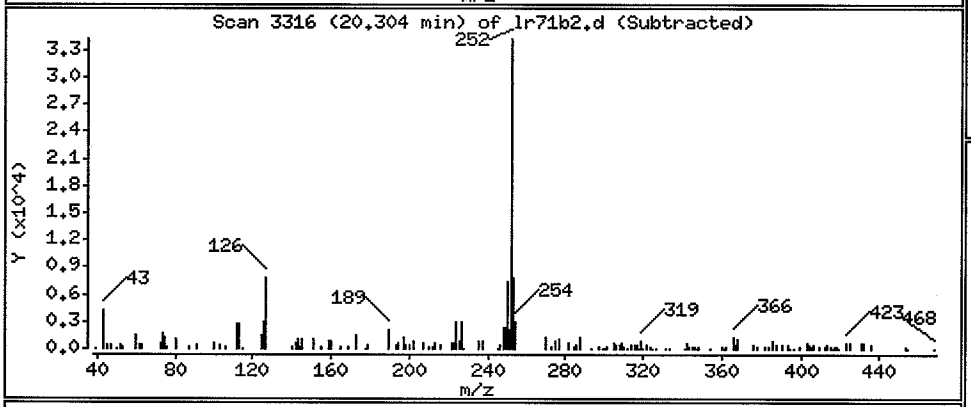
Column phase: ZB-5

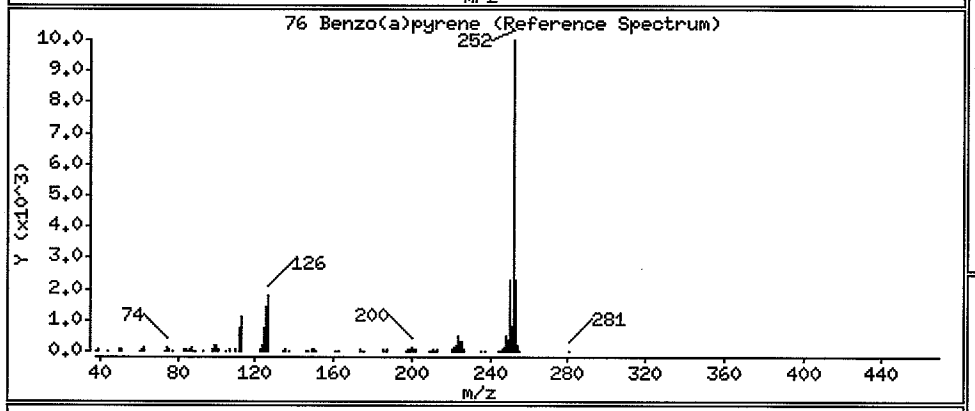
Column diameter: 0.32

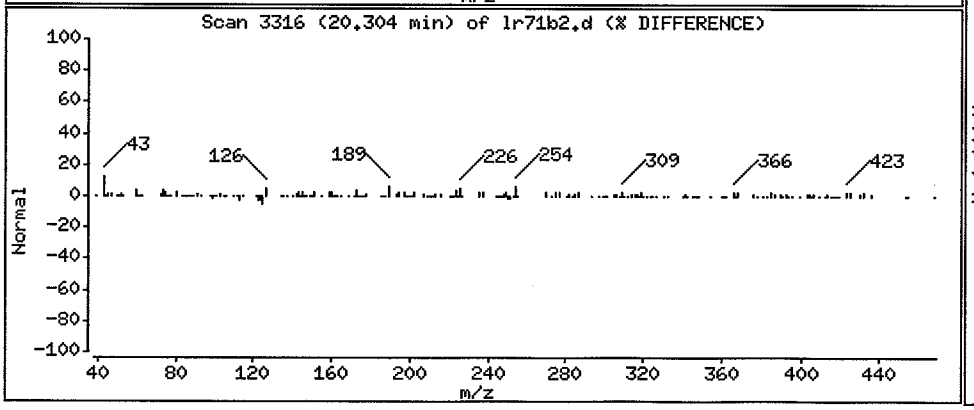
76 Benzo(a)pyrene

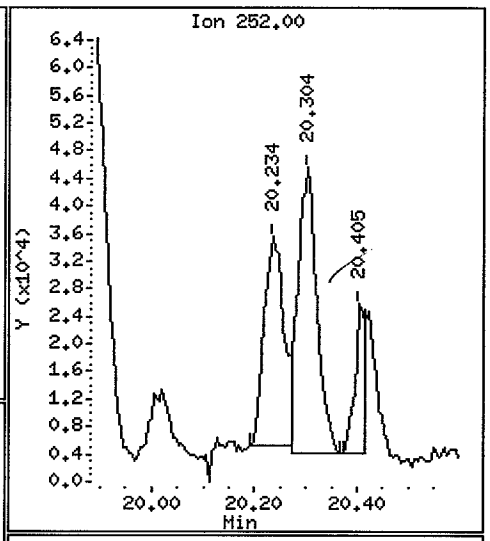
Concentration: 72.43 ug/Kg

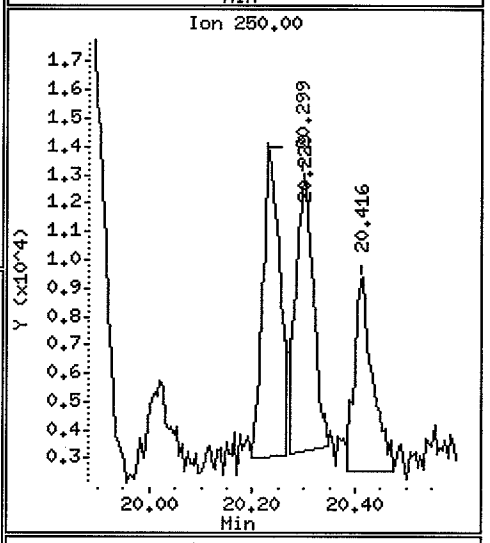


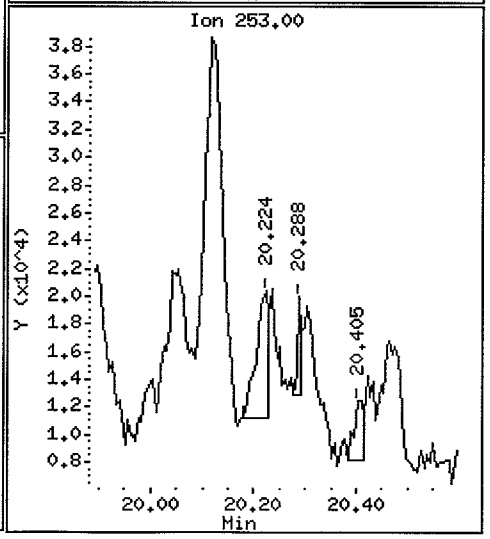












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

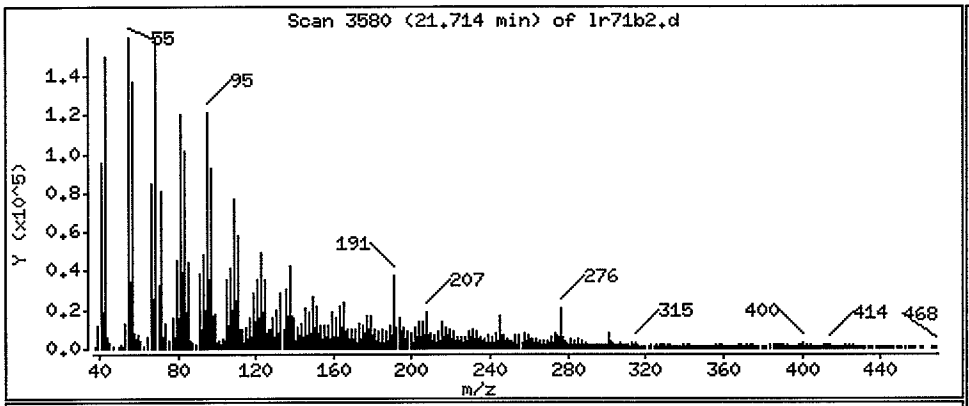
Operator: VTS

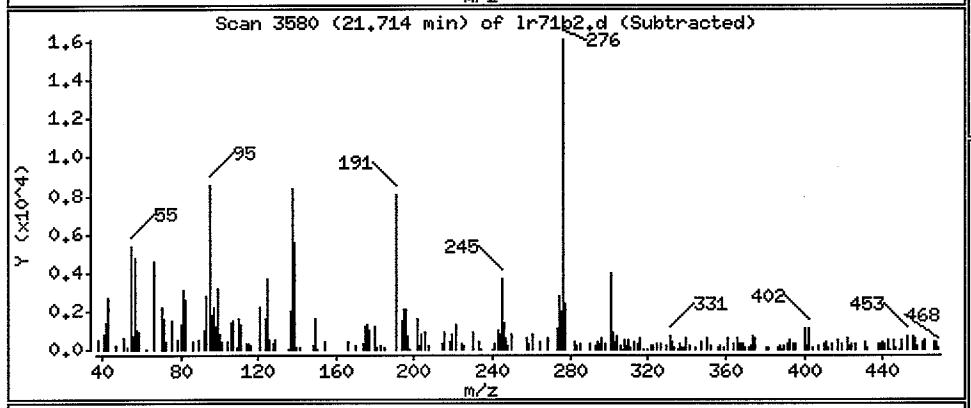
Column phase: ZB-5

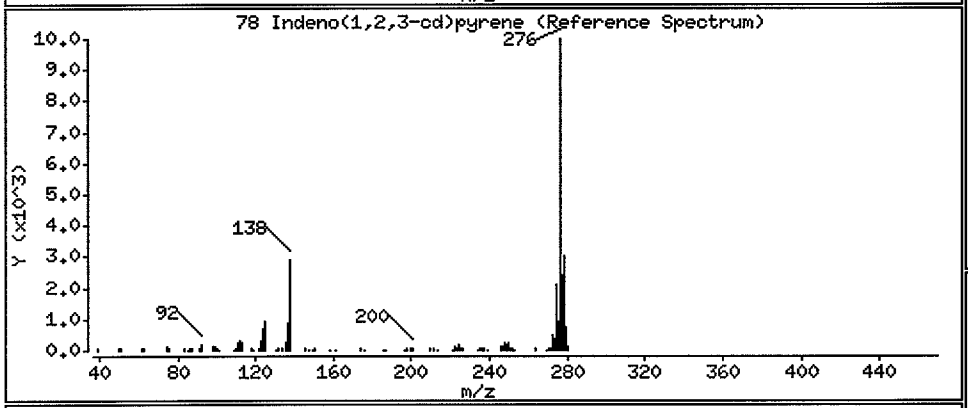
Column diameter: 0.32

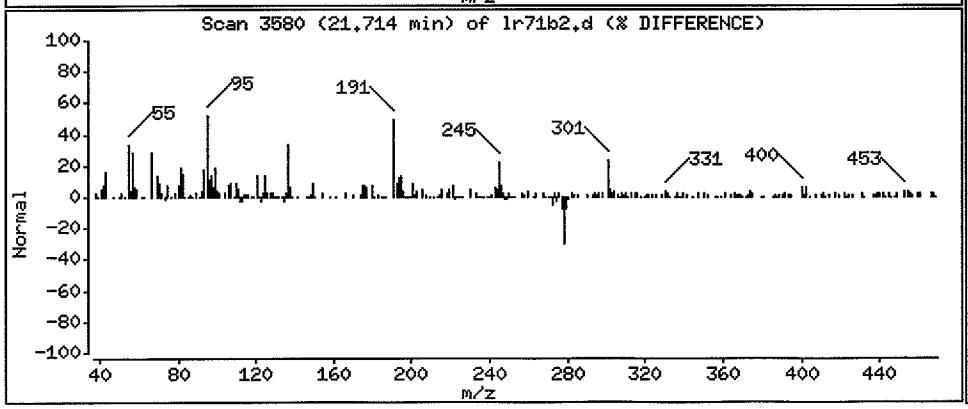
78 Indeno(1,2,3-cd)pyrene

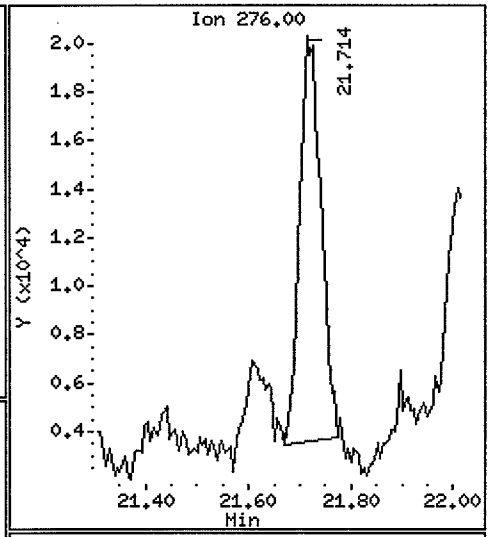
Concentration: 29.41 ug/Kg

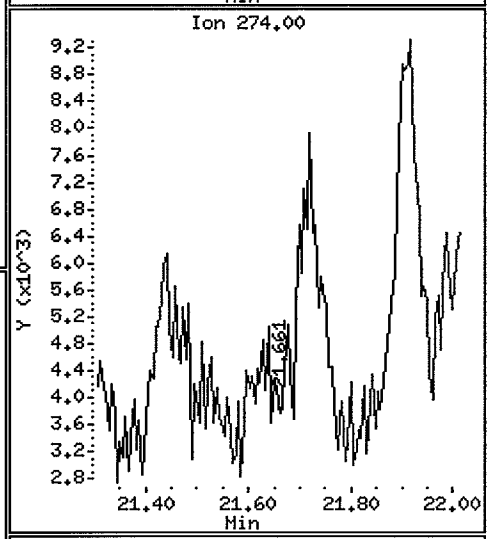


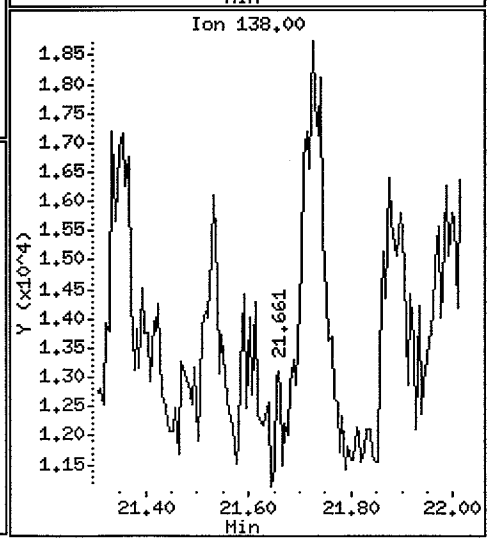












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

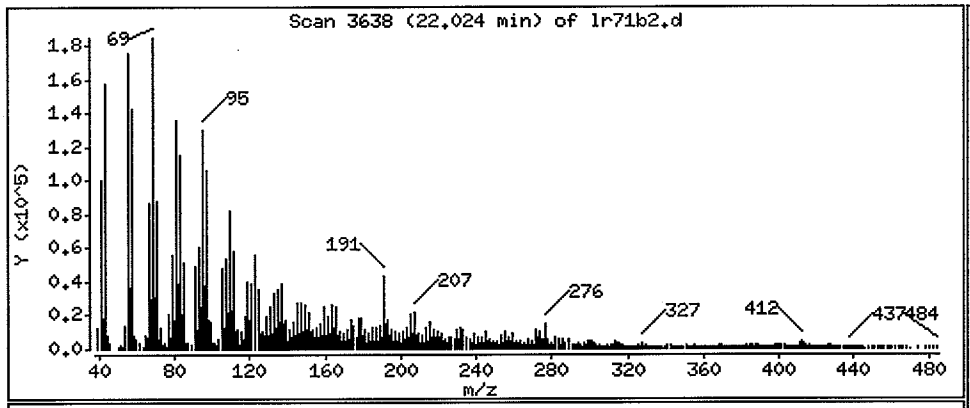
Operator: VTS

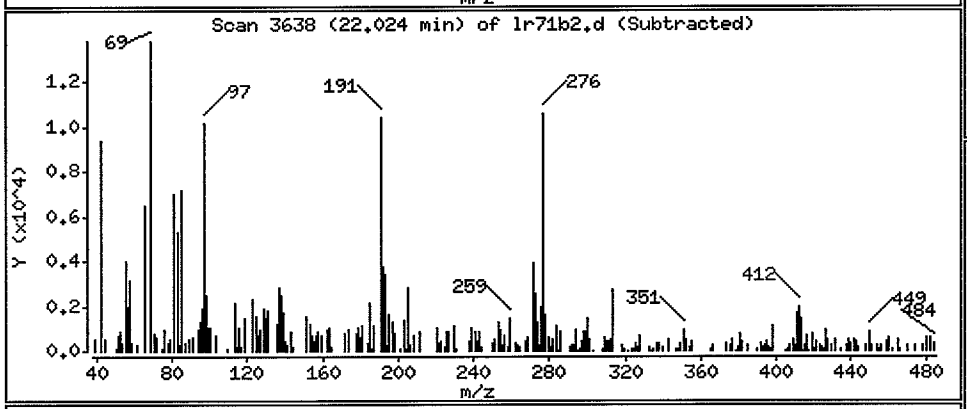
Column phase: ZB-5

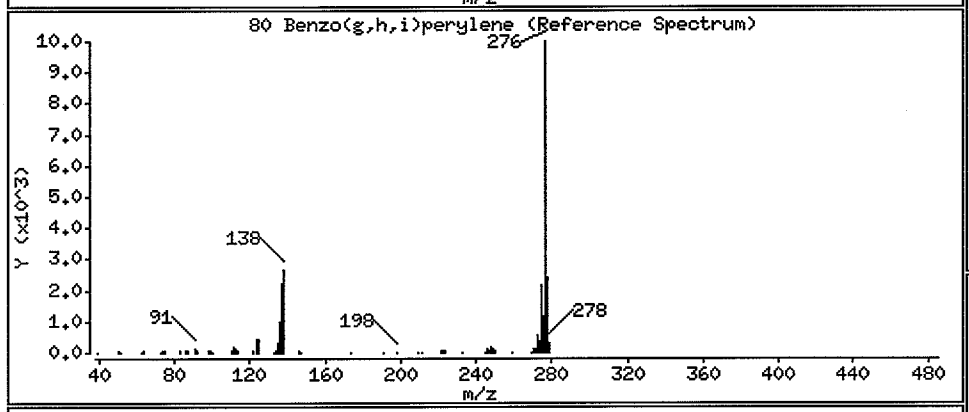
Column diameter: 0.32

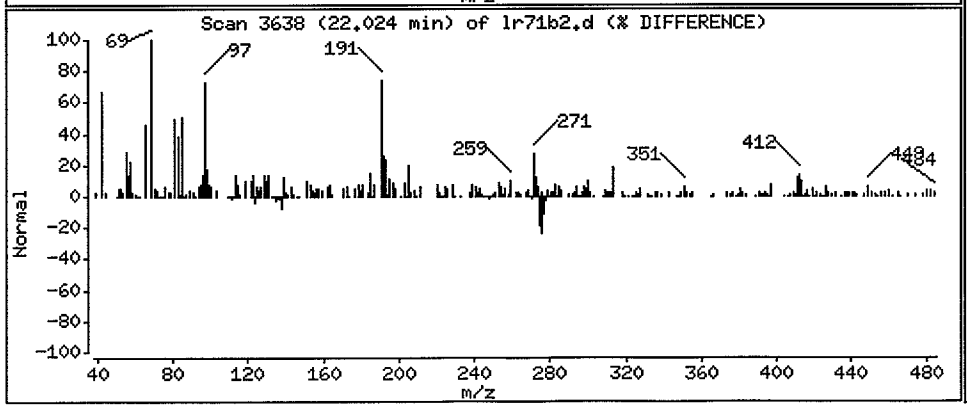
80 Benzo(g,h,i)perylene

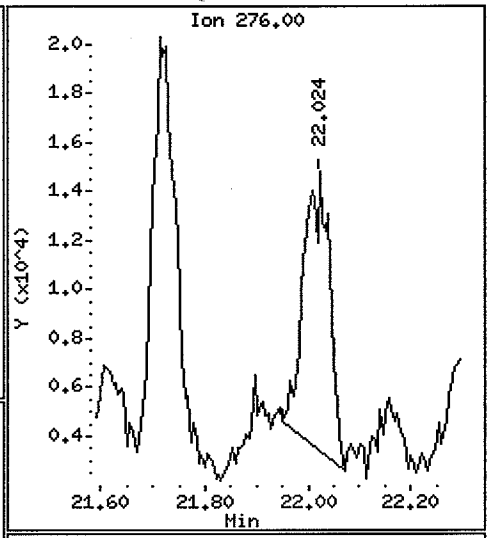
Concentration: 26.76 ug/Kg

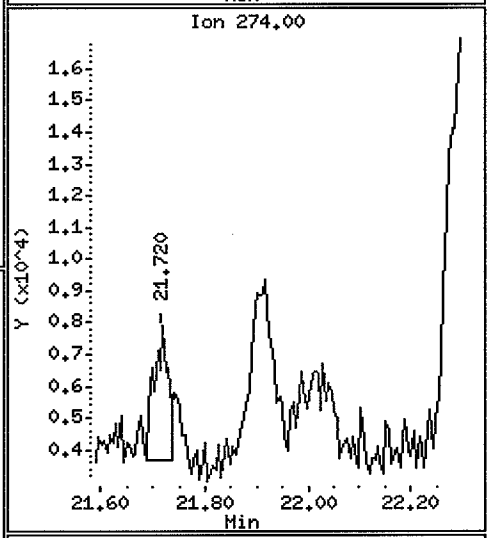


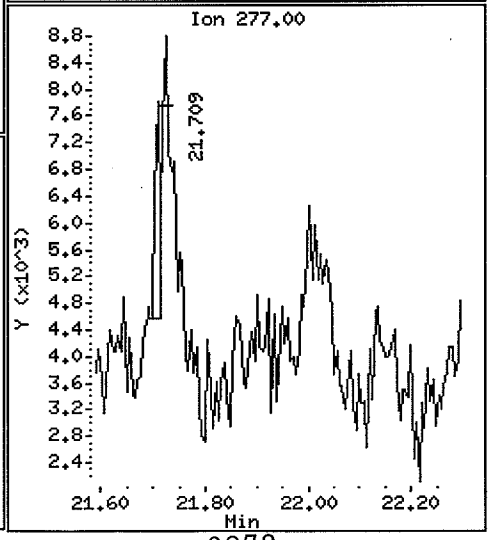




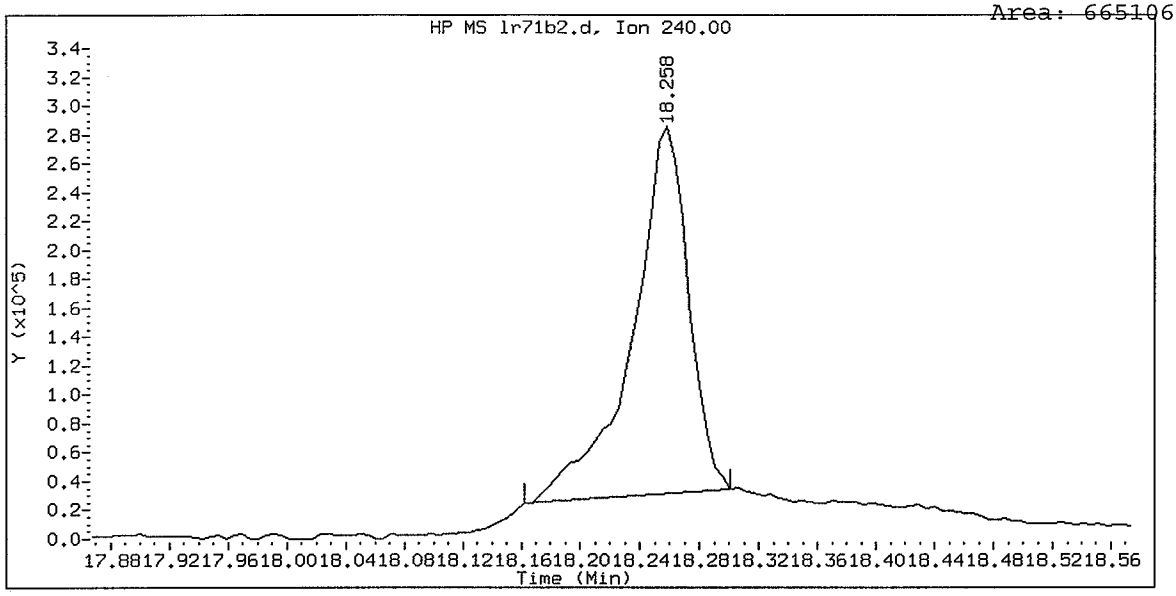


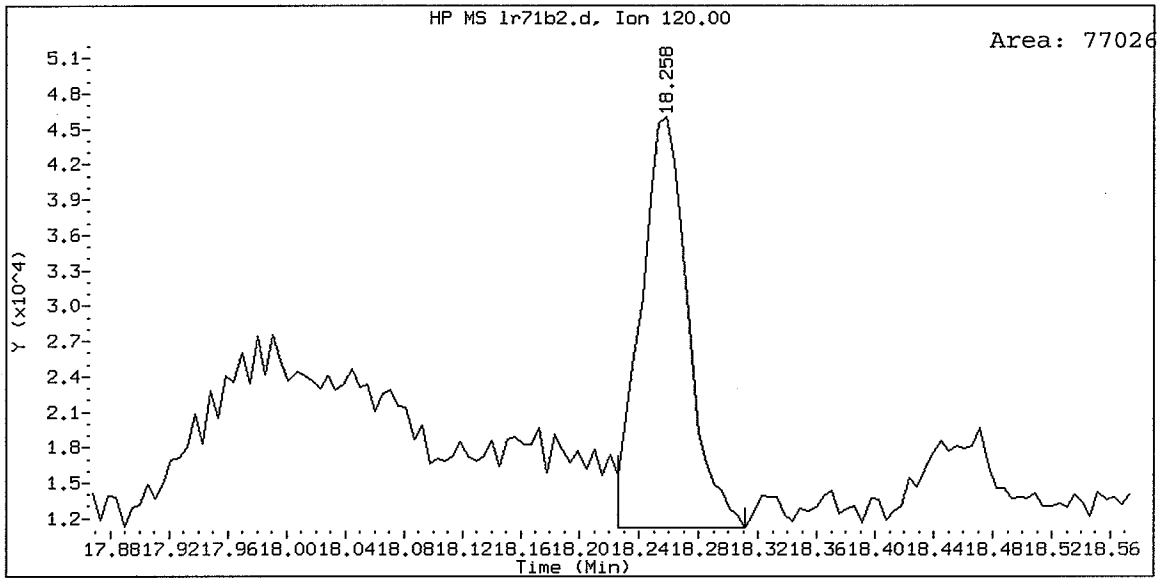


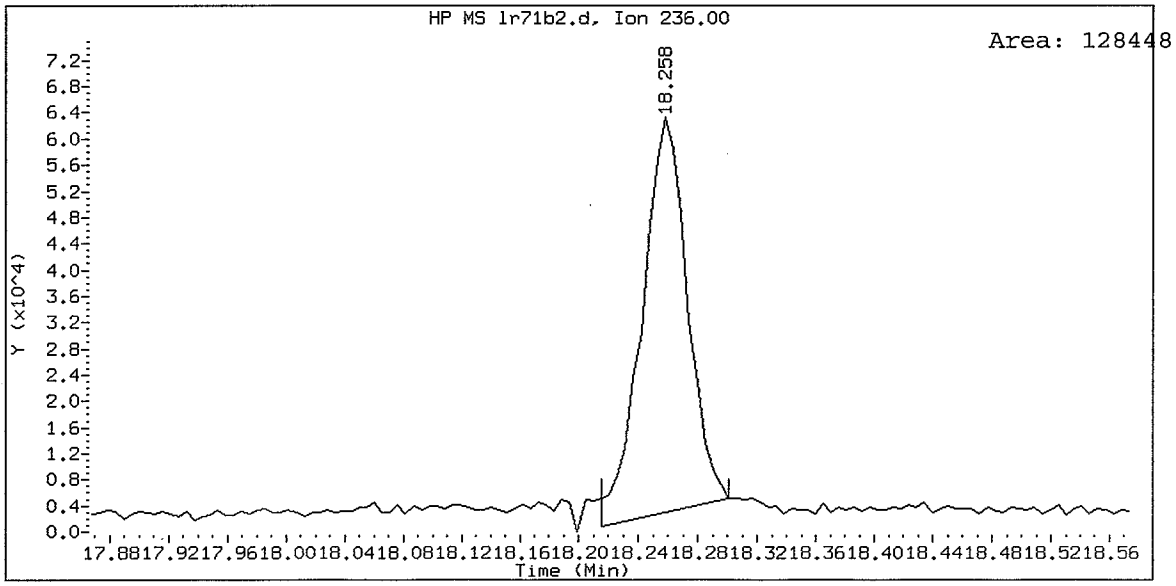




LR71BRE, /chem3/nt4.i/20071101.b/lr71b2.d
Chrysene-d12 Amount: 20.00







Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

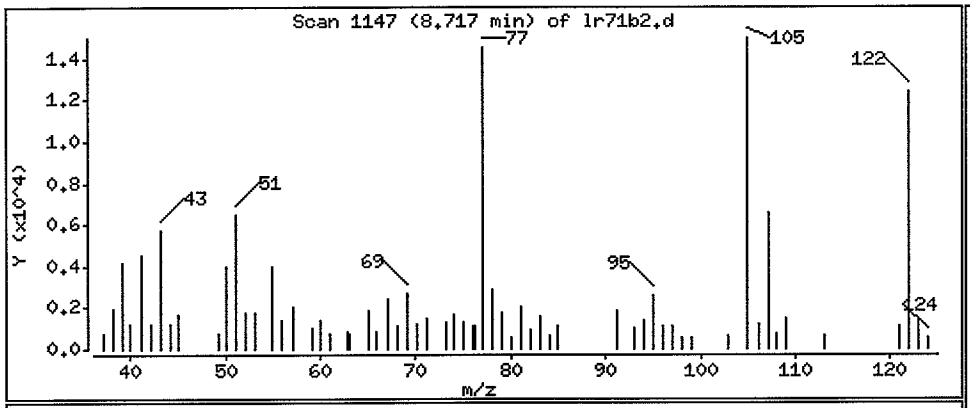
Operator: VTS

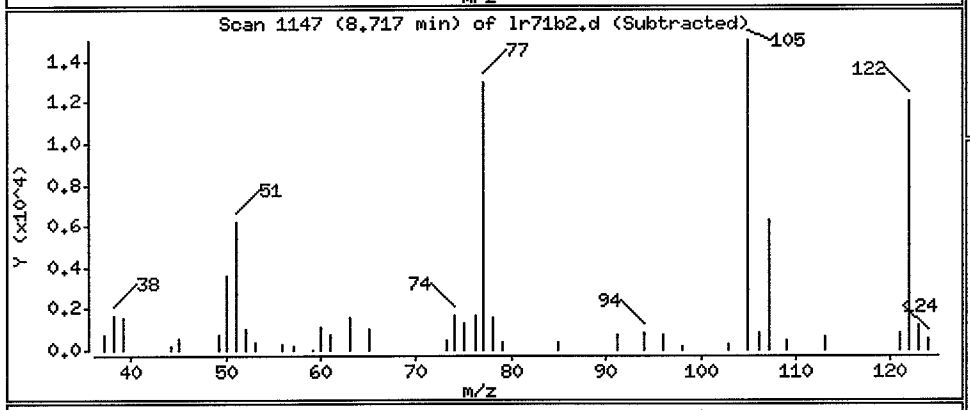
Column phase: ZB-5

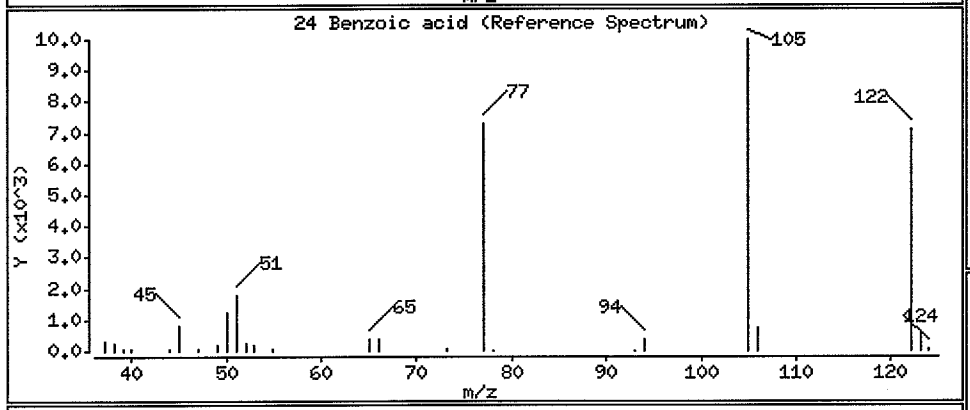
Column diameter: 0.32

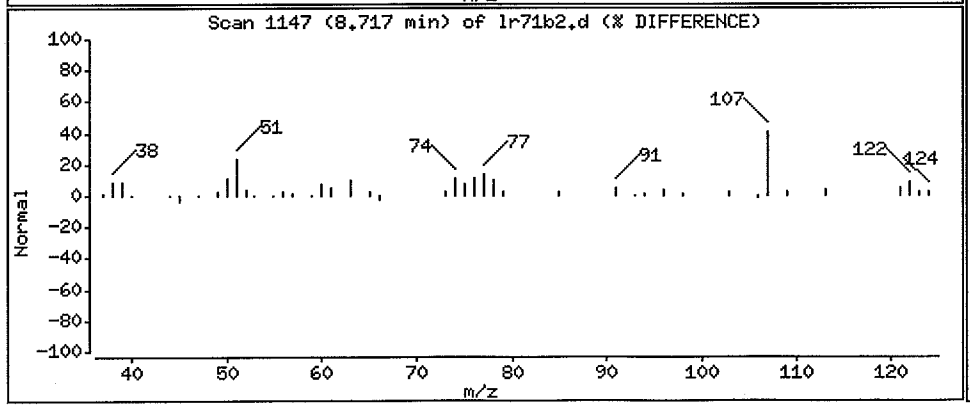
24 Benzoic acid

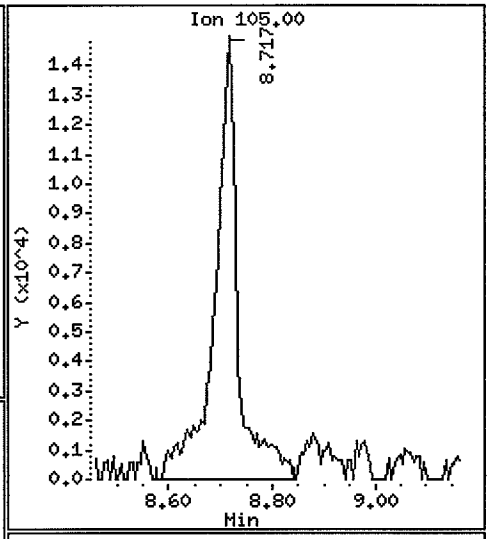
Concentration: 114.7 ug/Kg

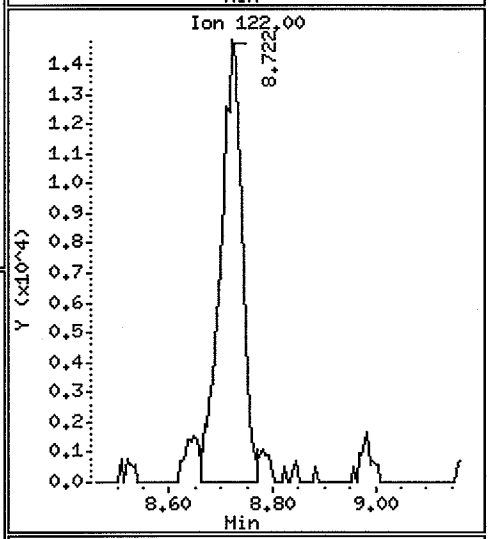


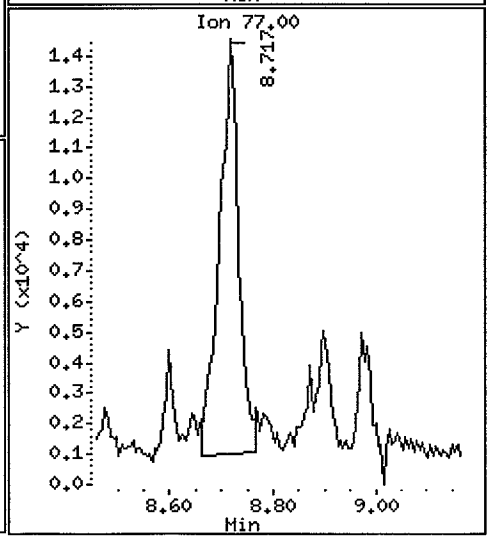












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

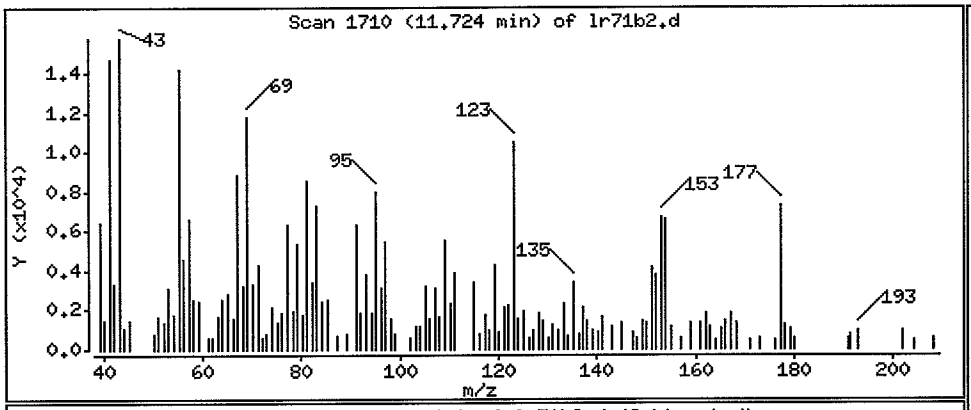
Operator: VTS

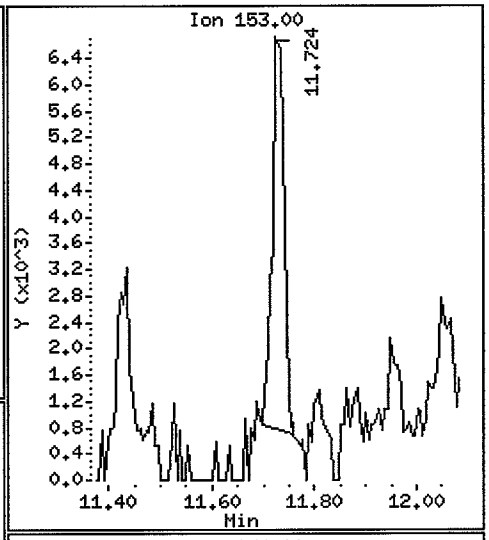
Column phase: ZB-5

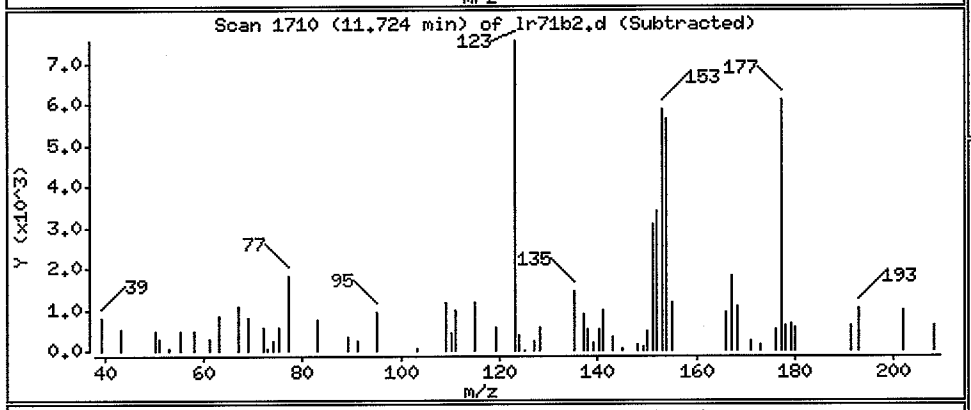
Column diameter: 0.32

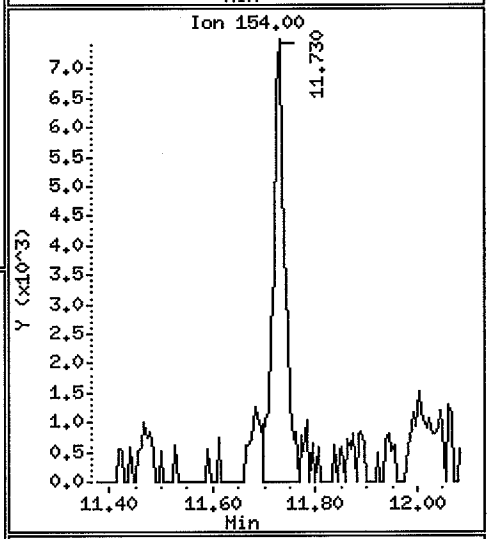
44 Acenaphthene

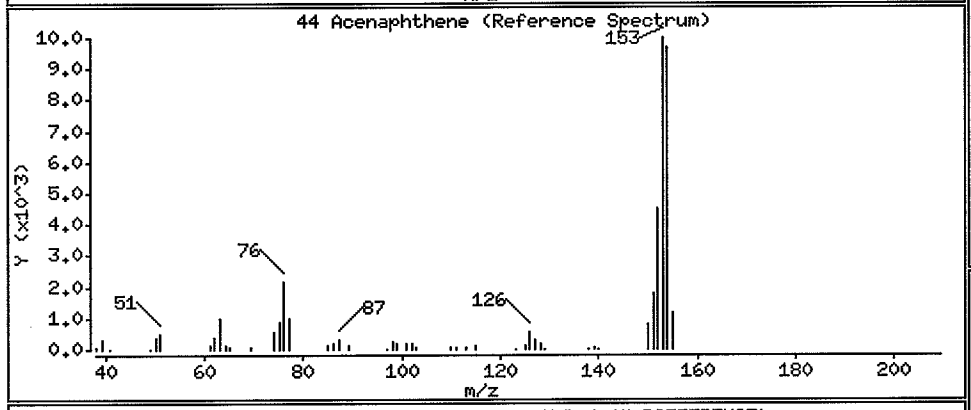
Concentration: 11.62 ug/Kg

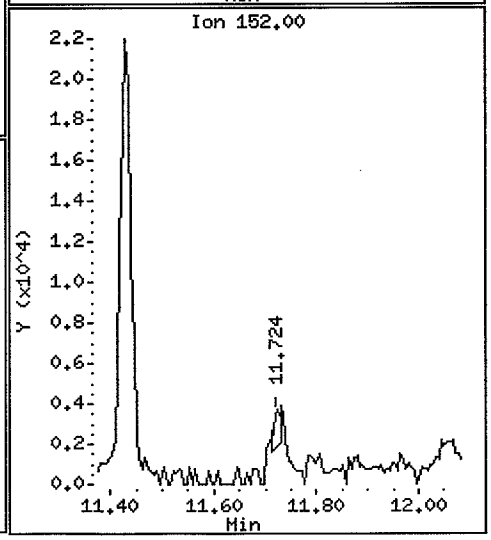


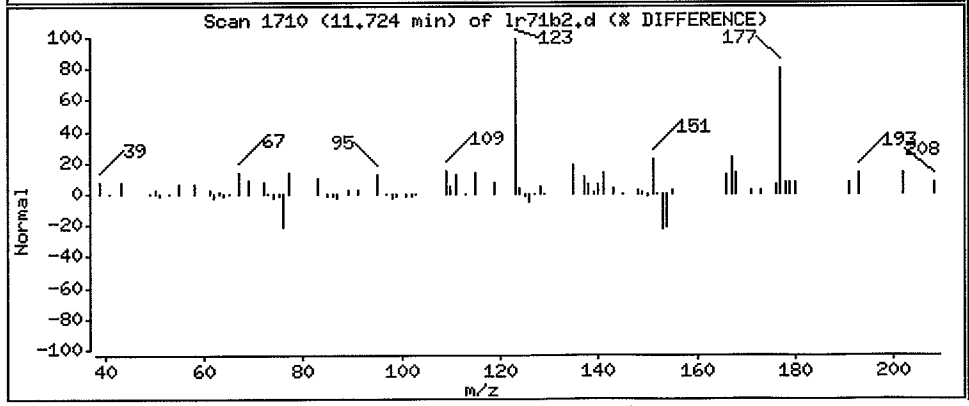












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

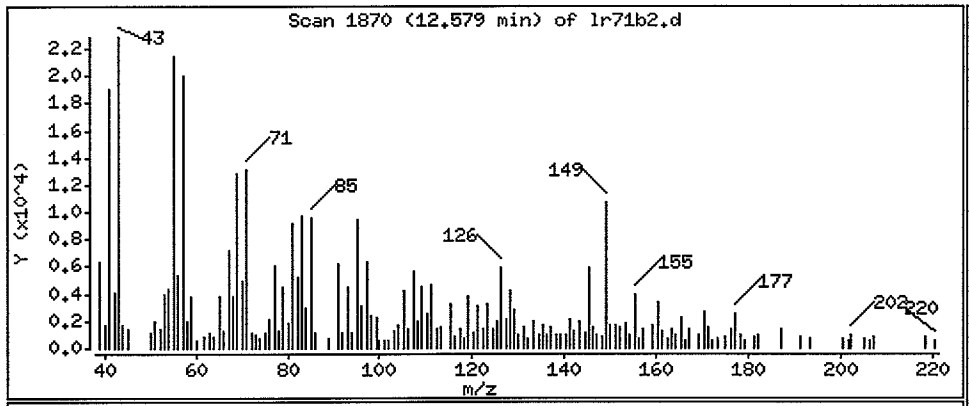
Operator: VTS

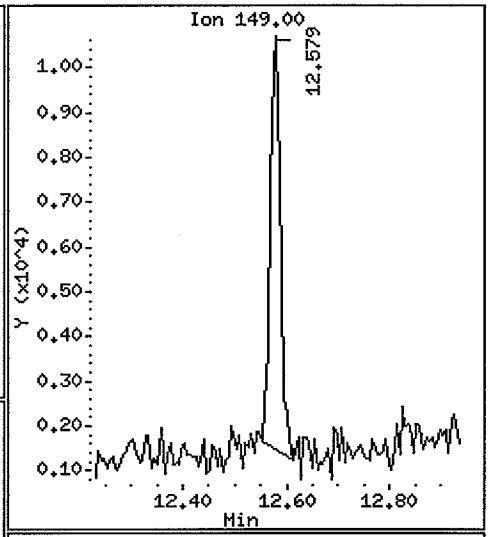
Column phase: ZB-5

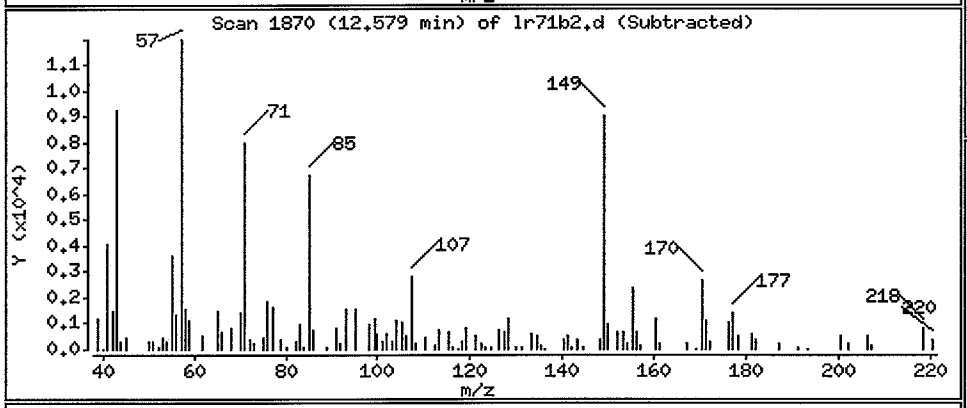
Column diameter: 0.32

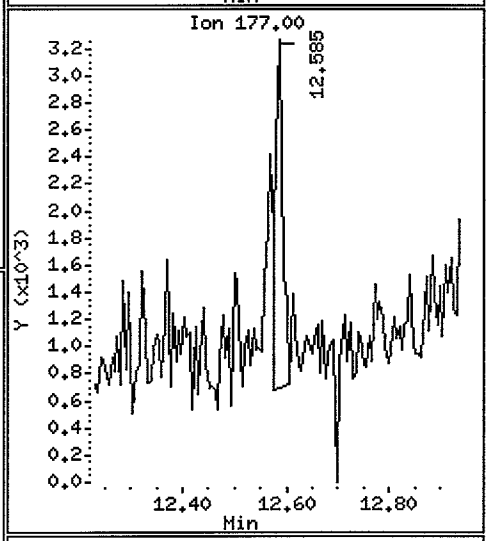
50 Diethylphthalate

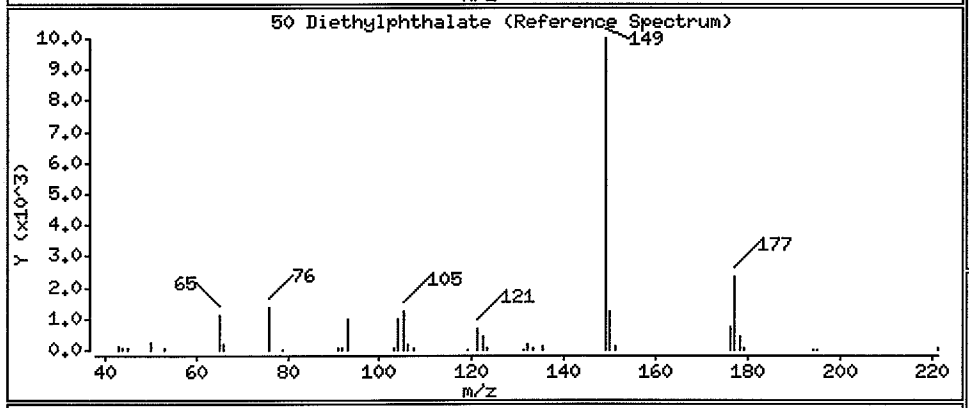
Concentration: 13.82 ug/Kg

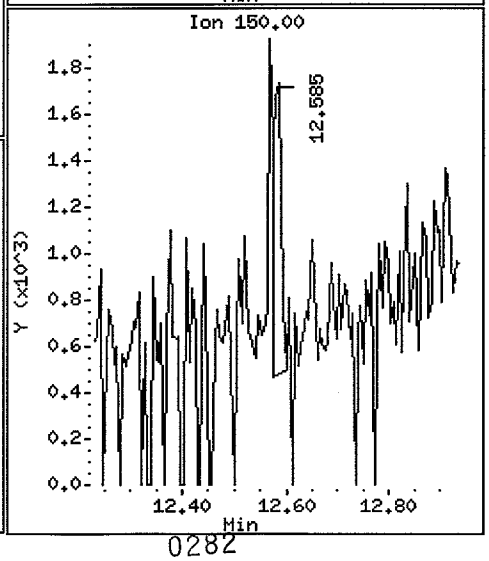


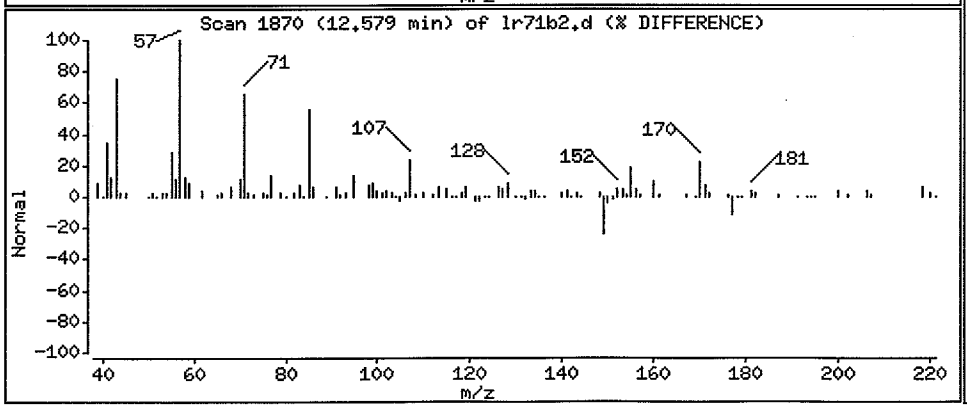












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

Operator: VTS

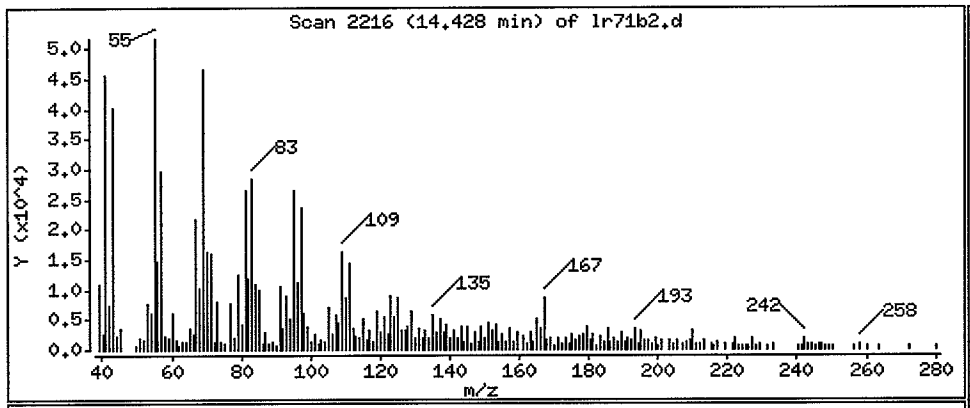
Column phase: ZB-5

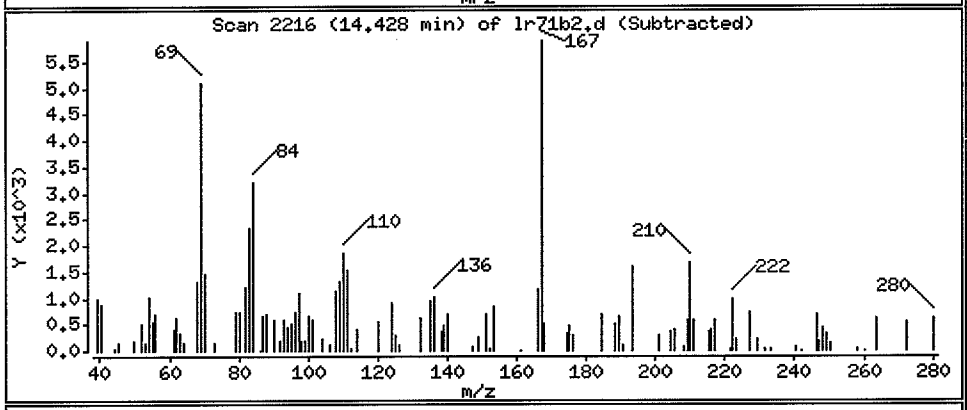
Column diameter: 0.32

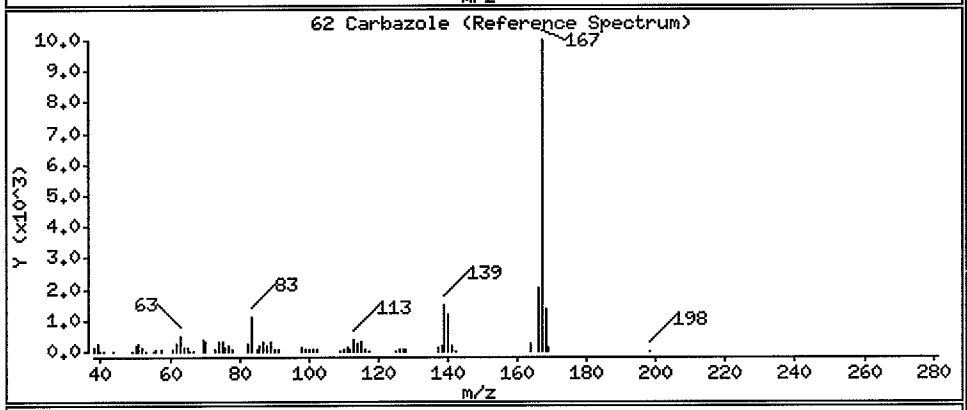
62 Carbazole

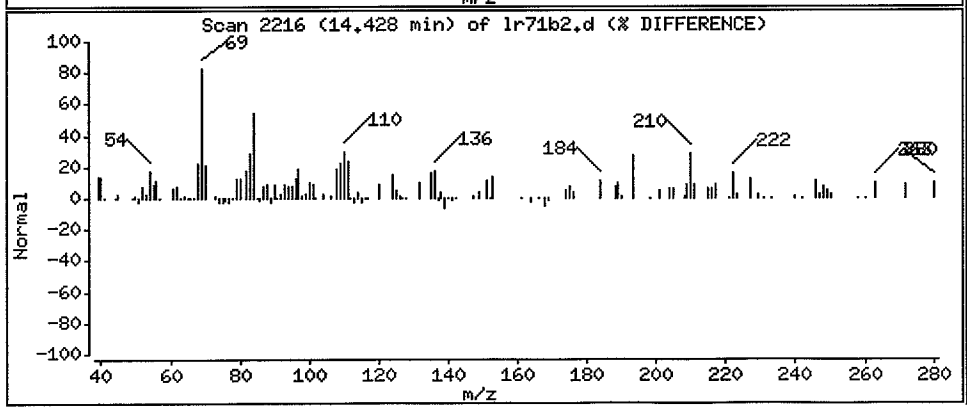
Concentration: 10.36 ug/Kg

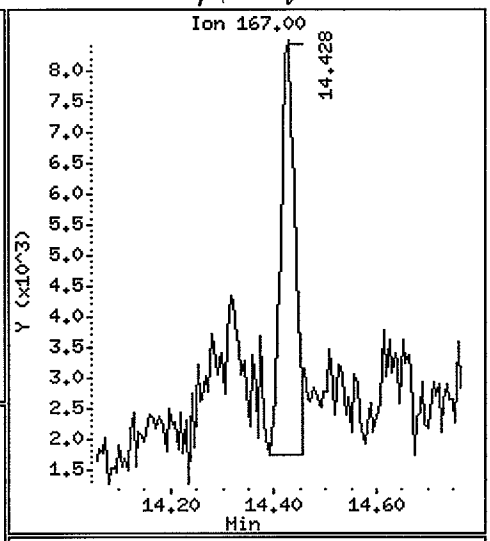
NR gd

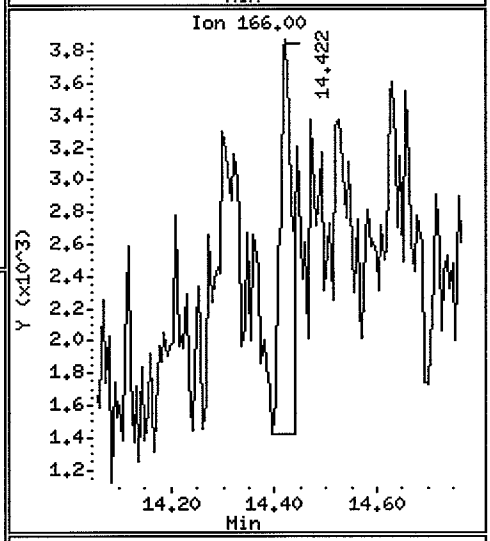


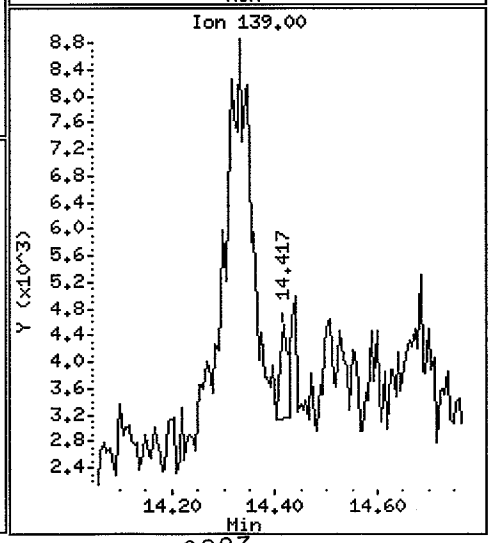












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

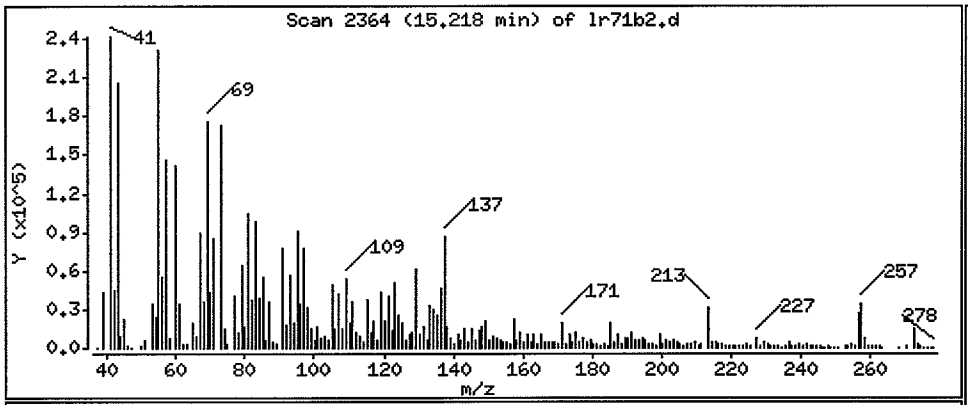
Operator: VTS

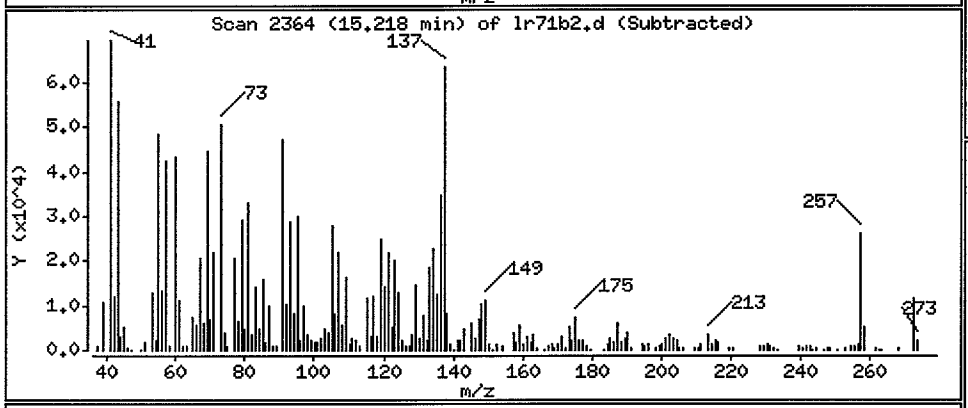
Column phase: ZB-5

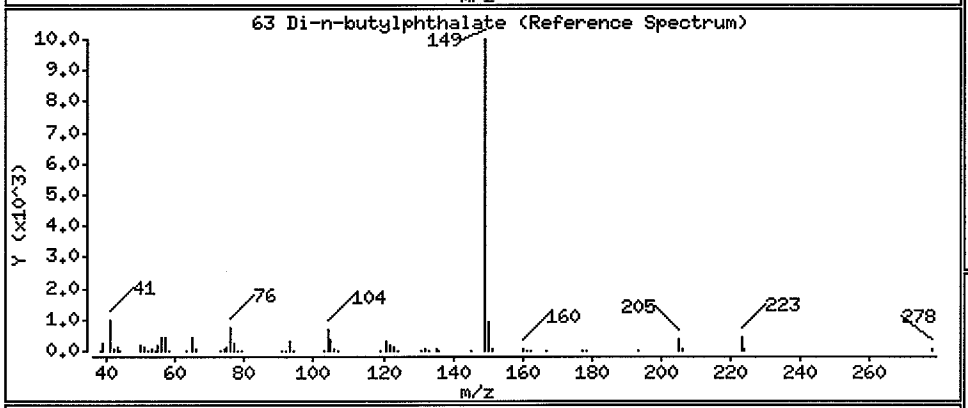
Column diameter: 0.32

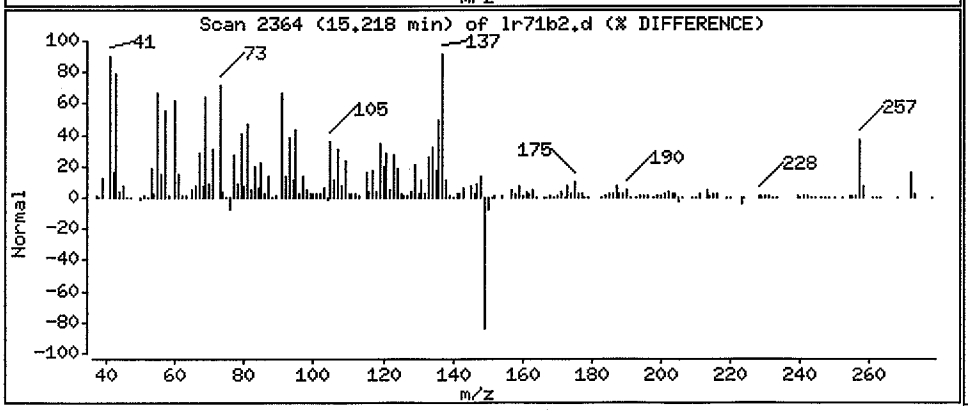
63 Di-n-butylphthalate

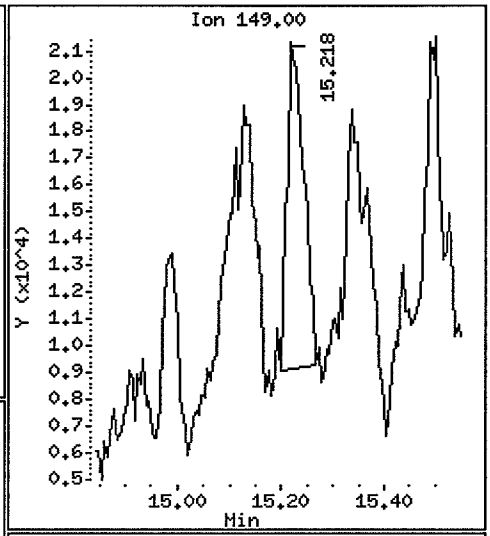
Concentration: 18.13 ug/Kg

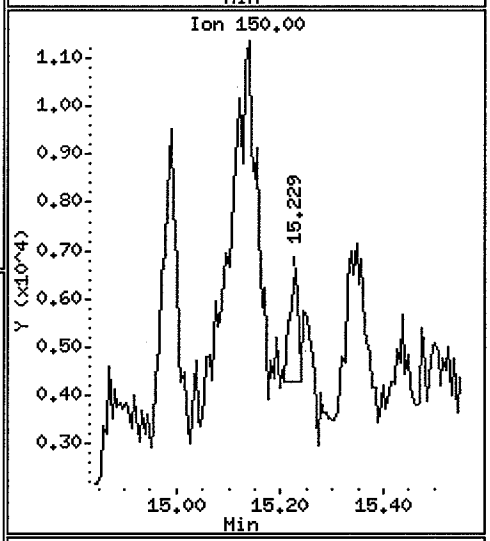


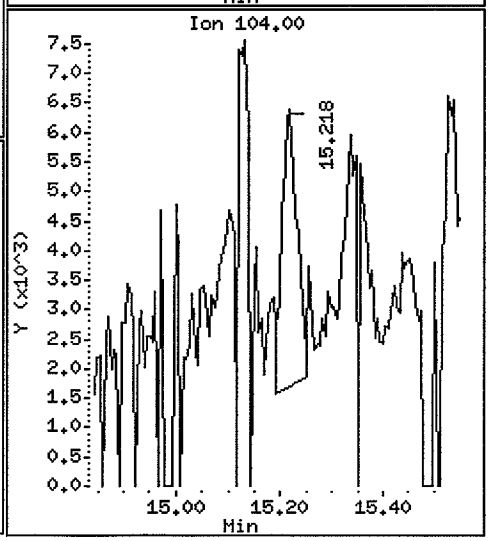












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

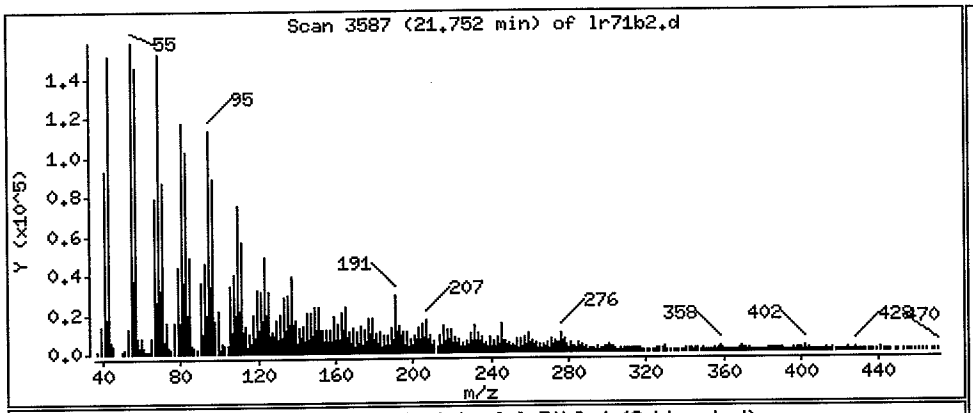
Operator: VTS

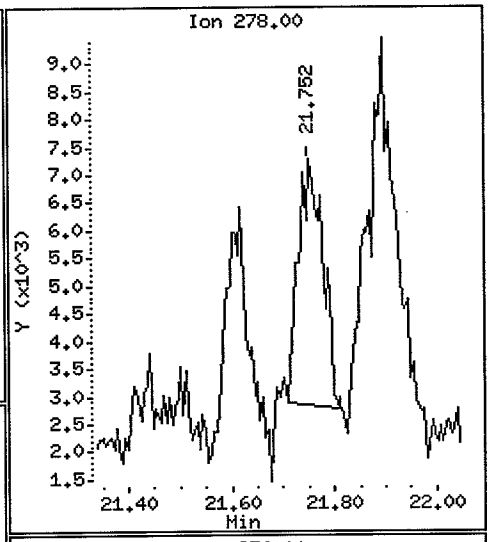
Column phase: ZB-5

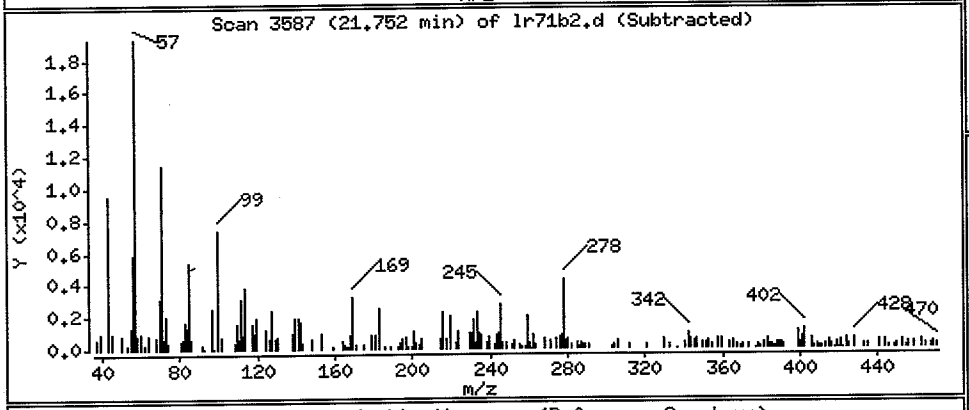
Column diameter: 0.32

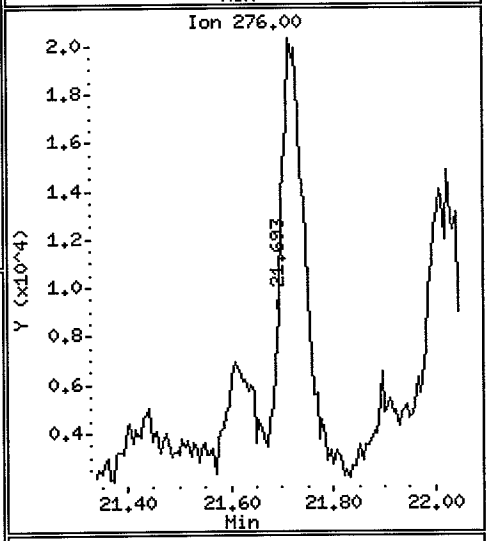
79 Dibenzo(a,h)anthracene

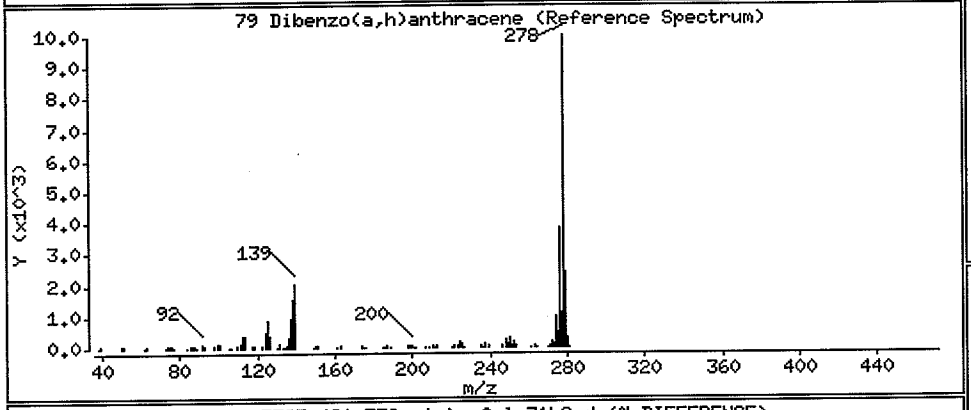
Concentration: 10.82 ug/Kg

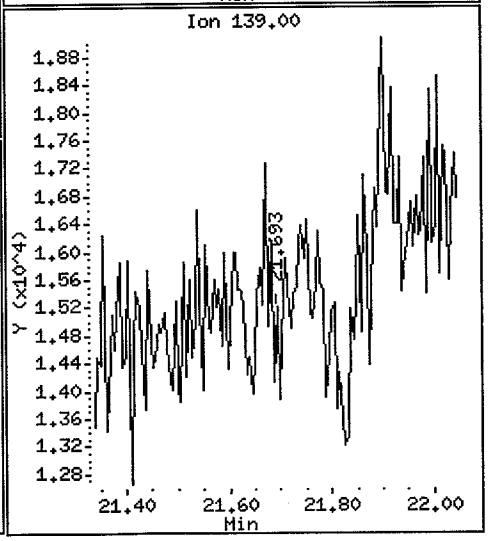


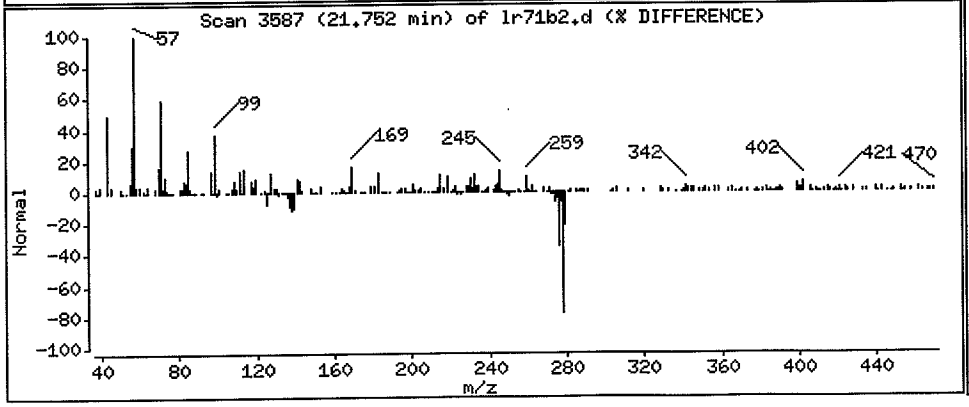












Data File: /chem3/nt4.i/20071101.b/lr71b2.d

Date : 01-NOV-2007 17:11

Client ID:

Instrument: nt4.i

Sample Info: LR71BRE

Volume Injected (uL): 1.0

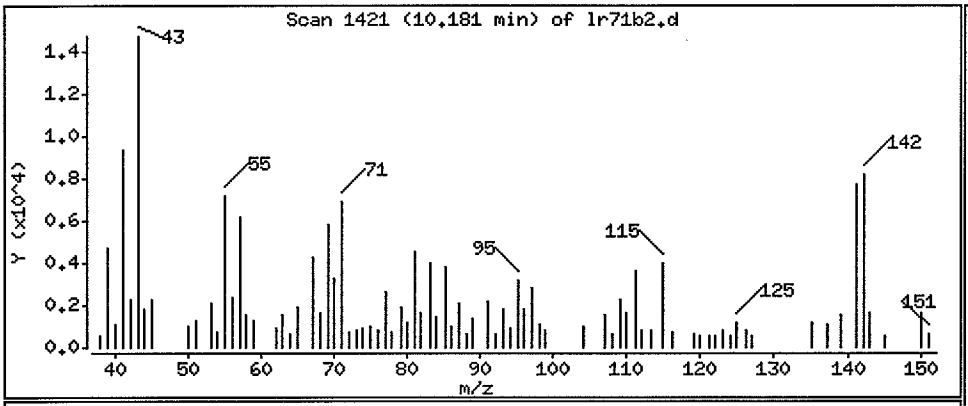
Operator: VTS

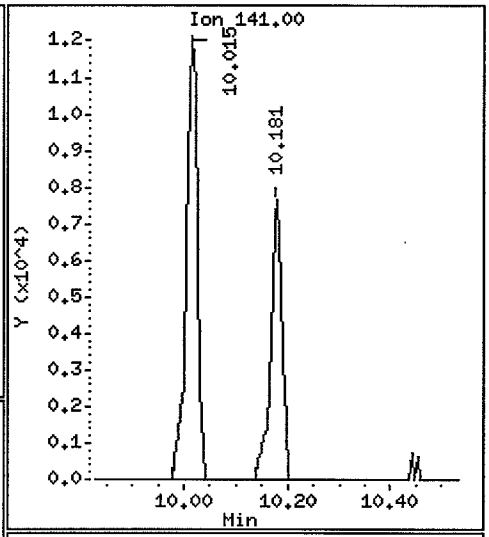
Column phase: ZB-5

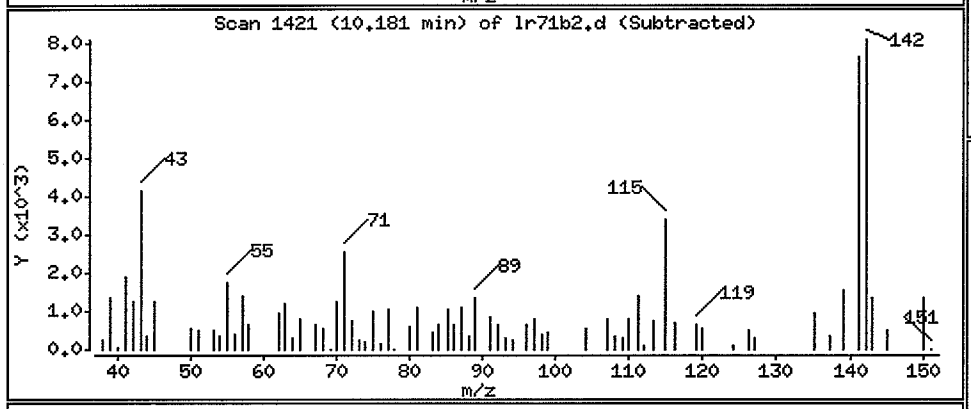
Column diameter: 0.32

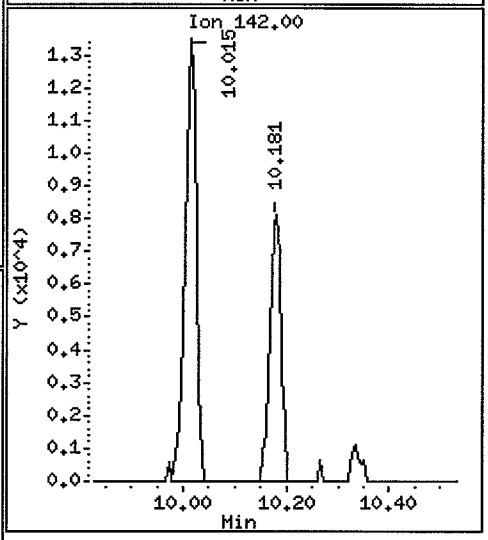
105 1-methylnaphthalene

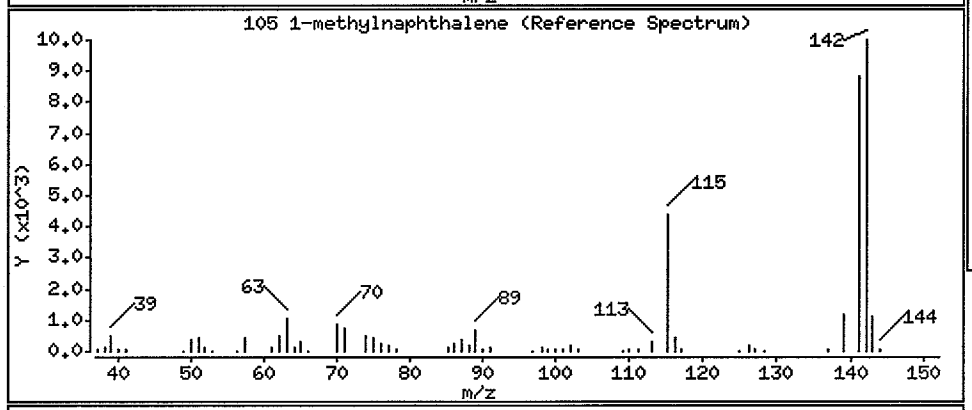
Concentration: 15.48 ug/Kg

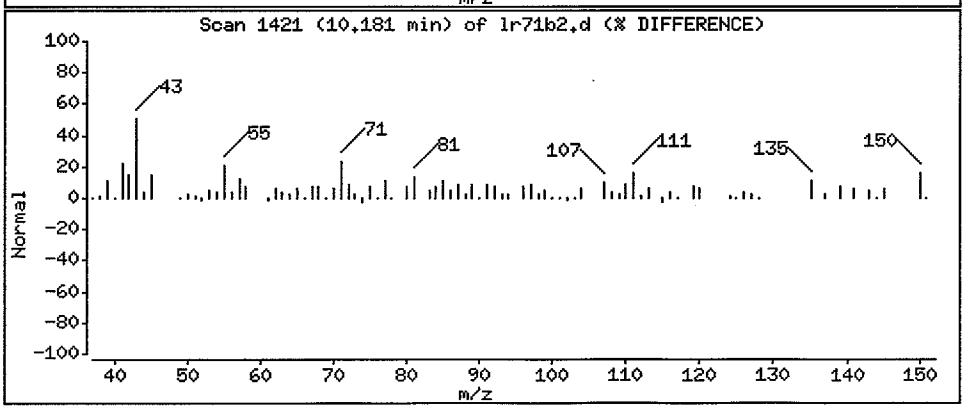












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS
Page 1 of 2

Sample ID: AN-SS-03-070928
SAMPLE

Lab Sample ID: LR71C
LIMS ID: 07-20768
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 15:47
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.1 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 33.2%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**63**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	**Naphthalene**	**20**	**22**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	**Phenanthrene**	**20**	**85**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**210**
129-00-0	**Pyrene**	**20**	**190**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**83**
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**110**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**120**
207-08-9	**Benzo(k)fluoranthene**	**20**	**130**
50-32-8	**Benzo(a)pyrene**	**20**	**130**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**48**
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	**Benzo(g,h,i)perylene**	**20**	**37**

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-03-070928
SAMPLE

Lab Sample ID: LR71C
LIMS ID: 07-20768
Matrix: Sediment
Date Analyzed: 10/18/07 15:47

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	48.8%	2-Fluorobiphenyl	50.8%
d14-p-Terphenyl	63.6%	d4-1,2-Dichlorobenzene	42.8%
d5-Phenol	52.0%	2-Fluorophenol	64.8%
2,4,6-Tribromophenol	65.9%	d4-2-Chlorophenol	52.0%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071018.b/lr71c.d
Lab Smp Id: LR71C Client Smp ID: AN-SS-03-070928
Inj Date : 18-OCT-2007 15:47
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71C
Misc Info : 07-20768
Comment : 1ul Injection
Method : /chem1/nt6.i/20071018.b/SW846.m
Meth Date : 25-Oct-2007 15:32 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 10/25/07

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	75.00000	Weight of sample extracted (g)
M	33.20000	% 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	5.987	5.917	(0.756)	362329	24.2551	484.1
$	2 Phenol-d5	99	7.504	7.488	(0.948)	371838	19.4856	388.9
	3 Phenol	94	7.520	7.504	(0.950)	14391	0.60851 LDL	12.15
$	5 2-Chlorophenol-d4	132	7.617	7.600	(0.962)	247885	19.5037	389.3
	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	7.916	7.904	(1.000)	202713	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	8.215	8.204	(1.038)	101634	10.5637	212.8
	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	8.685	8.674	(1.097)	44949	3.15752	63.02
$	18 Nitrobenzene-d5	82	8.851	8.845	(0.888)	246256	12.1596	242.7
	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	9.972	9.961	(1.000)	630327	20.0000	
	28 Naphthalene	128	10.004	9.999	(1.003)	42393	1.09109	21.78
	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	11.783	11.777	(0.917)	368550	12.6783	253.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	12.595	12.584	(0.980)	35452	0.92602 LDL	18.48
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.852	12.841	(1.000)	373356	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	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	Compound Not Detected.					
	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	14.150	14.139	(1.101)	89365	24.6705	492.4
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	15.240	15.223	(1.000)	659639	20.0000	
	60 Phenanthrene	178	15.272	15.261	(1.002)	180763	4.27105	85.25
	61 Anthracene	178	15.341	15.335	(1.007)	34576	0.81590 LDL	16.29
	62 Carbazole	167	15.635	15.624	(1.026)	34641	0.91896 ↓	18.34 (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	17.222	17.205	(1.130)	508045	10.4969	209.5
	65 Pyrene	202	17.580	17.563	(0.898)	527529	9.70601	193.7
$	66 Terphenyl-d14	244	17.905	17.884	(0.915)	540569	15.8900	317.2
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	19.551	19.529	(0.999)	247542	4.17491	83.33
*	69 Chrysene-d12	240	19.578	19.556	(1.000)	756753	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	19.615	19.598	(1.002)	296455	5.56375	111.1
	72 bis(2-Ethylhexyl)phthalate	149	19.802	19.785	(0.955)	30724	0.93838 LOL	18.73(M)
*	134 Di-n-octylphthalate-d4	153	20.737	20.720	(1.000)	1082814	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	21.212	21.190	(0.975)	291857	5.98964	119.6
	75 Benzo(k)fluoranthene	252	21.239	21.228	(0.977)	327269	6.34915	126.7(M)
	76 Benzo(a)pyrene	252	21.661	21.639	(0.996)	291845	6.52452	130.2
*	77 Perylene-d12	264	21.746	21.719	(1.000)	678558	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	23.232	23.215	(1.068)	128555	2.42334	48.37(M)
	79 Dibenzo(a,h)anthracene	278	23.248	23.236	(1.069)	23807	0.53415 LOL	10.66(M)
	80 Benzo(g,h,i)perylene	276	23.638	23.616	(1.087)	98203	1.85119	36.95
	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: lr71c.d
Lab Smp Id: LR71C
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20768

Calibration Date: 18-OCT-2007
Calibration Time: 10:07
Client Smp ID: AN-SS-03-070928
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	202713	-4.41
27 Naphthalene-d8	656578	328289	1313156	630327	-4.00
42 Acenaphthene-d10	353705	176852	707410	373356	5.56
59 Phenanthrene-d10	526440	263220	1052880	659639	25.30
69 Chrysene-d12	581923	290962	1163846	756753	30.04
134 Di-n-octylphthala	979097	489548	1958194	1082814	10.59
77 Perylene-d12	686531	343266	1373062	678558	-1.16

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.90	7.40	8.40	7.92	0.14
27 Naphthalene-d8	9.96	9.46	10.46	9.97	0.11
42 Acenaphthene-d10	12.84	12.34	13.34	12.85	0.09
59 Phenanthrene-d10	15.22	14.72	15.72	15.24	0.11
69 Chrysene-d12	19.56	19.06	20.06	19.58	0.11
134 Di-n-octylphthala	20.72	20.22	21.22	20.74	0.08
77 Perylene-d12	21.72	21.22	22.22	21.75	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

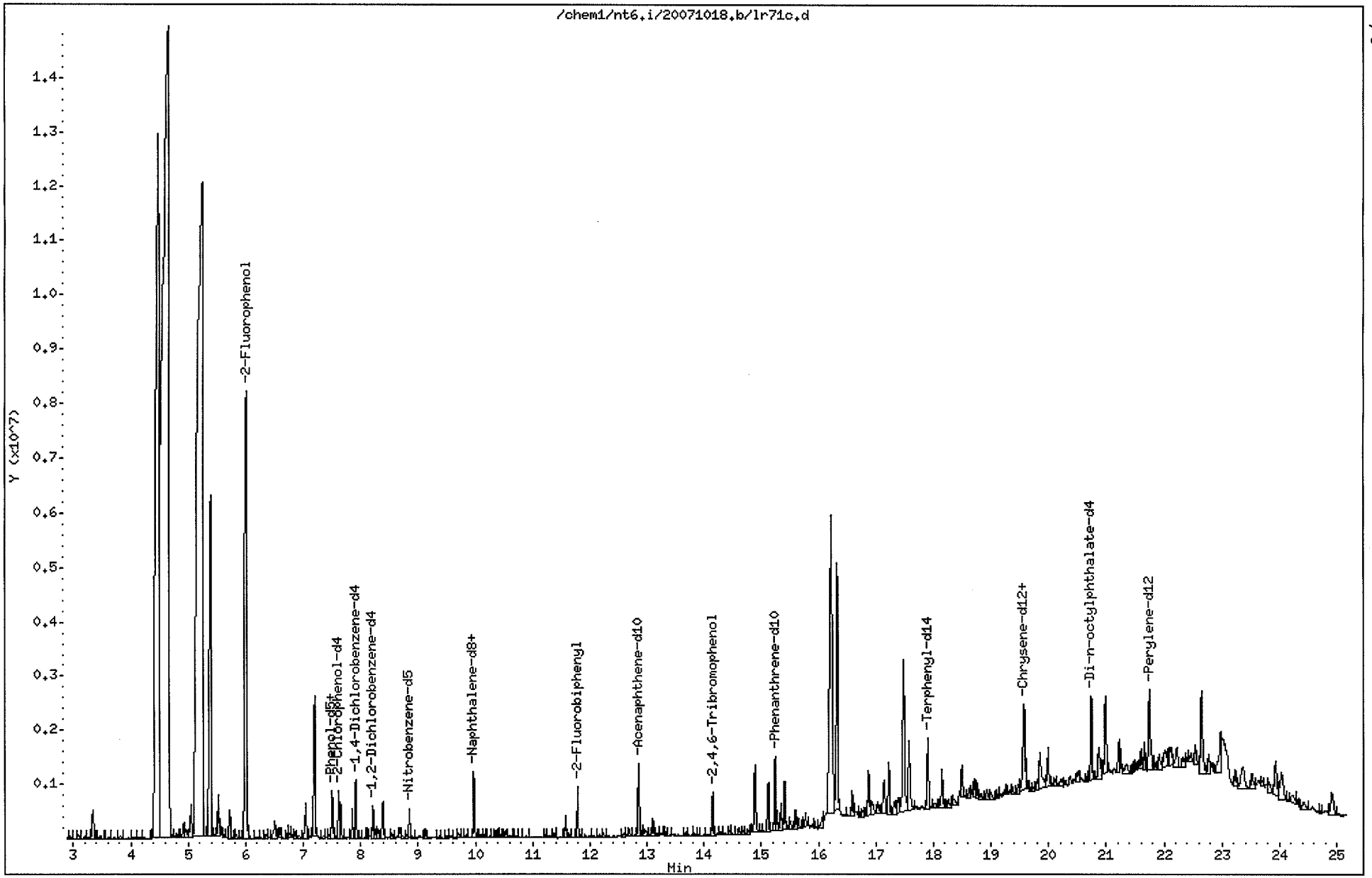
Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71C
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20768

Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-03-070928
Operator: LJR/VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	748.5	484.1	64.68	11-84
$ 2 Phenol-d5	748.5	388.9	51.96	25-86
$ 5 2-Chlorophenol-d4	748.5	389.3	52.01	23-91
$ 10 1,2-Dichlorobenzen	499.0	212.8	42.65	24-90
$ 18 Nitrobenzene-d5	499.0	242.7	48.64	26-88
$ 36 2-Fluorobiphenyl	499.0	253.1	50.71	34-91
$ 55 2,4,6-Tribromophen	748.5	492.4	65.79	25-107
$ 66 Terphenyl-d14	499.0	317.2	63.56	22-100

Data File: /chem1/nt6.i/20071018.b/lr71c.d
Date : 18-OCT-2007 15:47
Client ID: AN-SS-03-070928
Sample Info: LR71C
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0294

Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

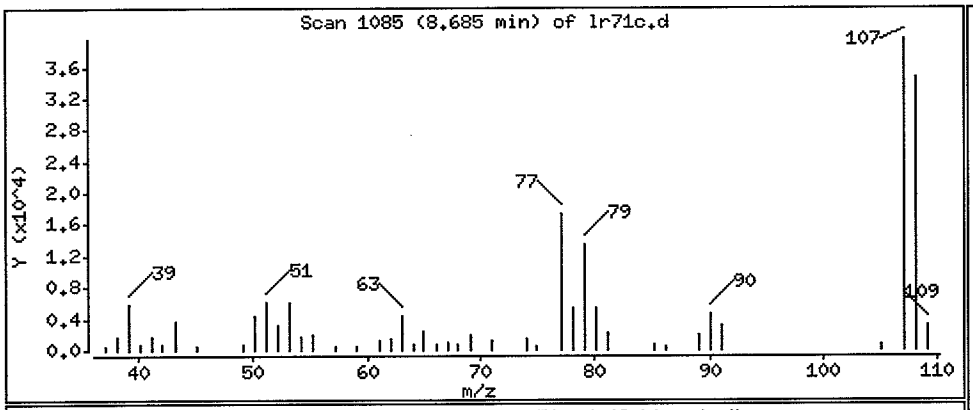
Client ID: AN-SS-03-070928 Instrument: nt6.i

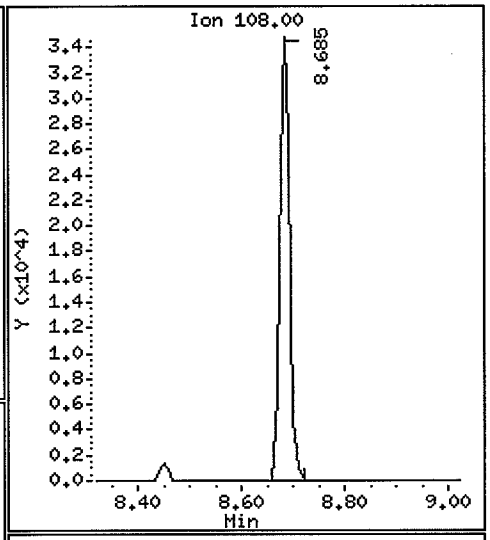
Sample Info: LR71C

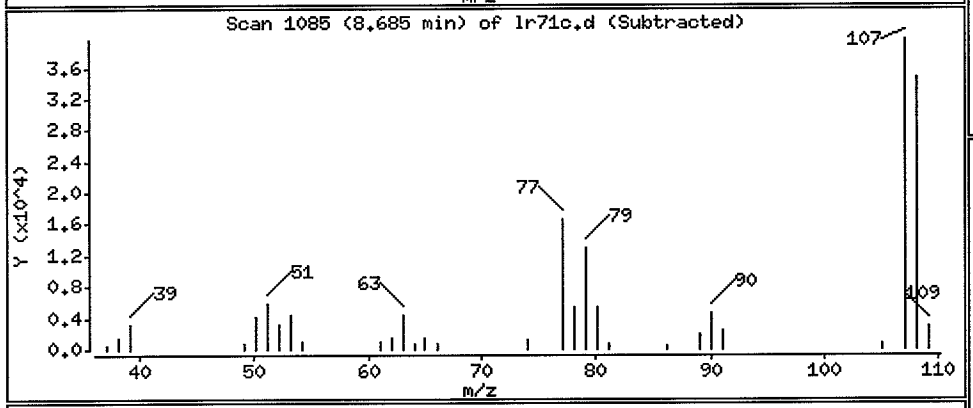
Volume Injected (uL): 1.0 Operator: LJR/VTS

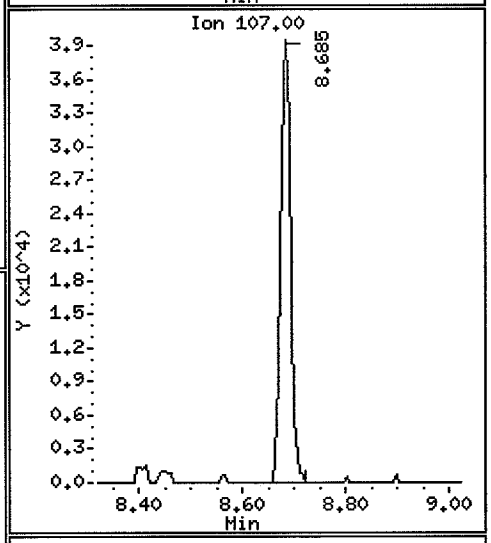
Column phase: ZB-5 Column diameter: 0.32

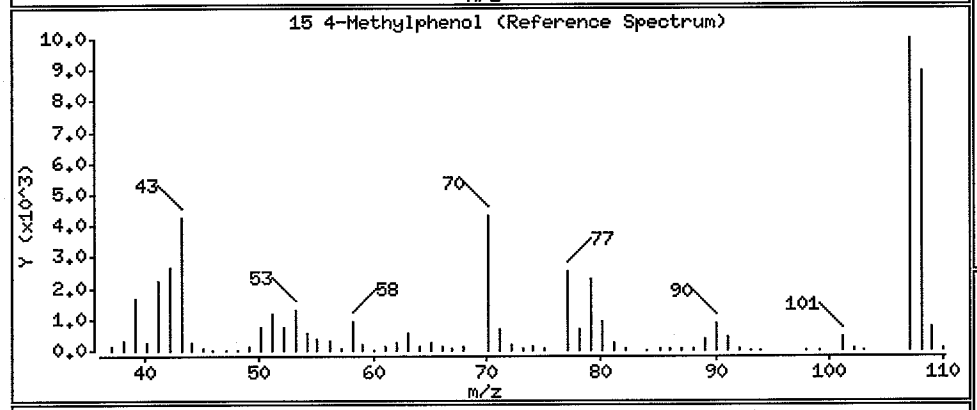
15 4-Methylphenol Concentration: 63.02 ug/kg

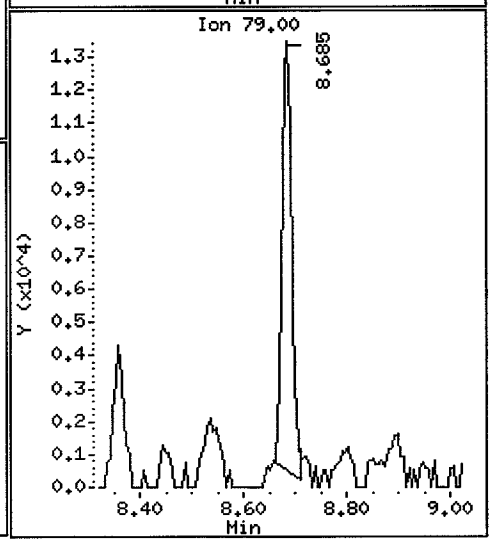


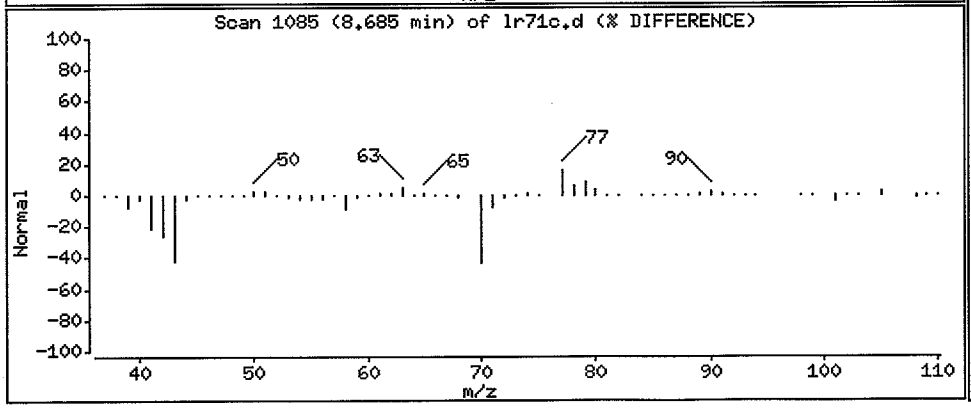












Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

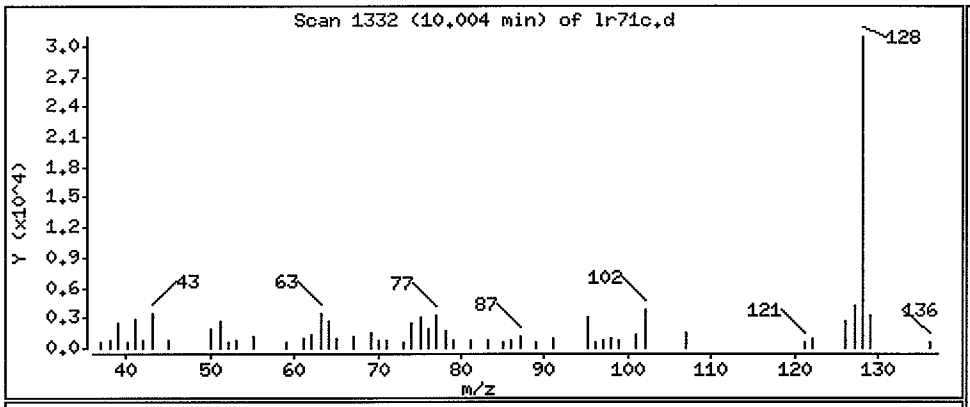
Client ID: AN-SS-03-070928 Instrument: nt6.i

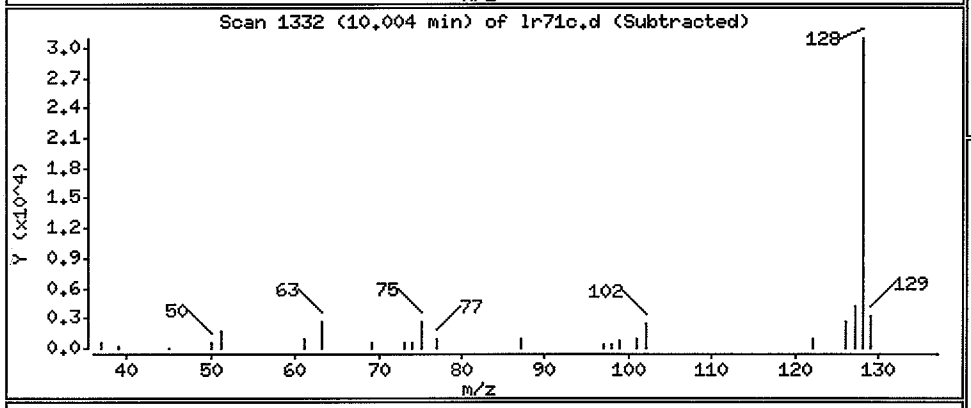
Sample Info: LR71C

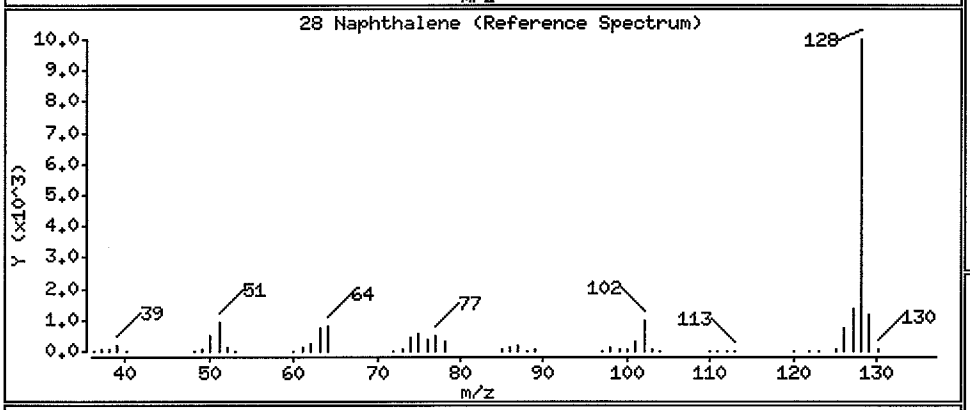
Volume Injected (uL): 1.0 Operator: LJR/VTS

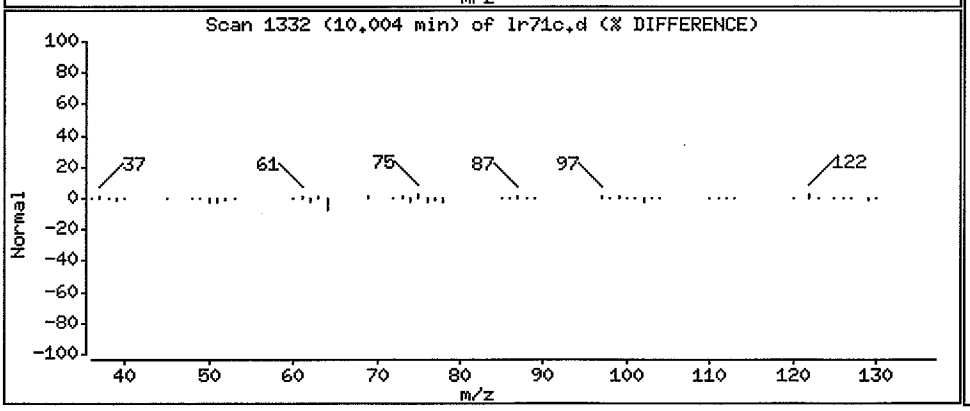
Column phase: ZB-5 Column diameter: 0.32

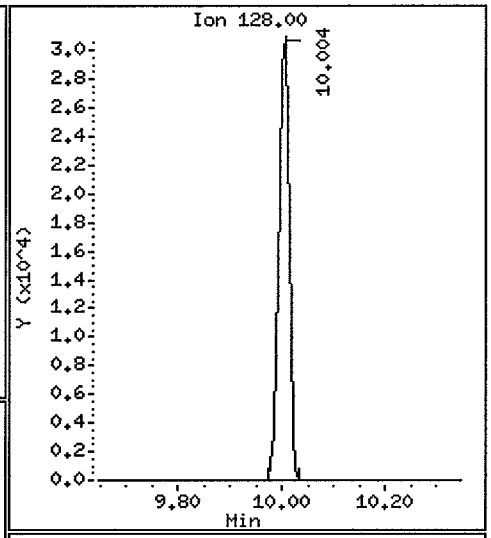
28 Naphthalene Concentration: 21.78 ug/kg

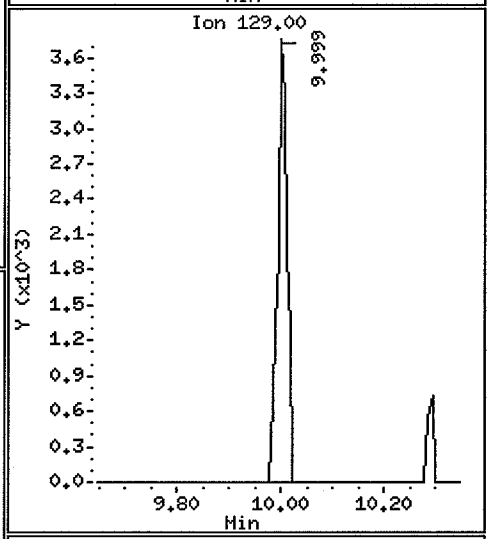


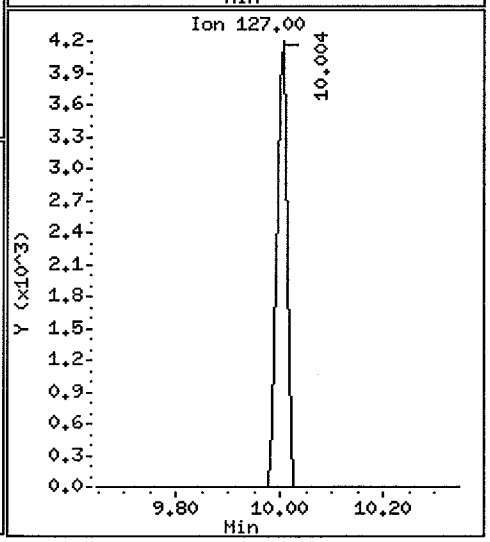












Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

Client ID: AN-SS-03-070928

Instrument: nt6.i

Sample Info: LR71C

Volume Injected (uL): 1.0

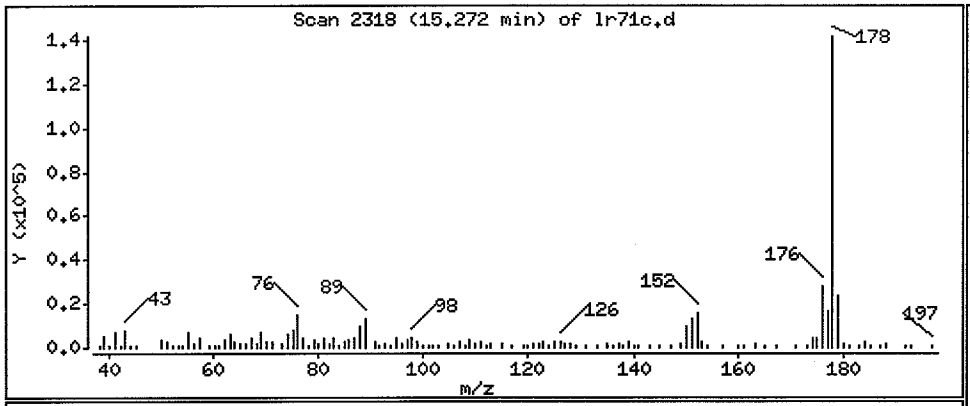
Operator: LJR/VTS

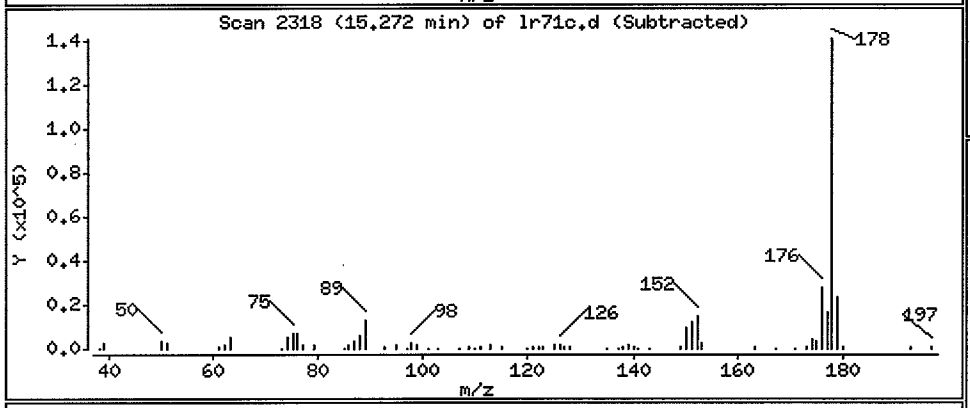
Column phase: ZB-5

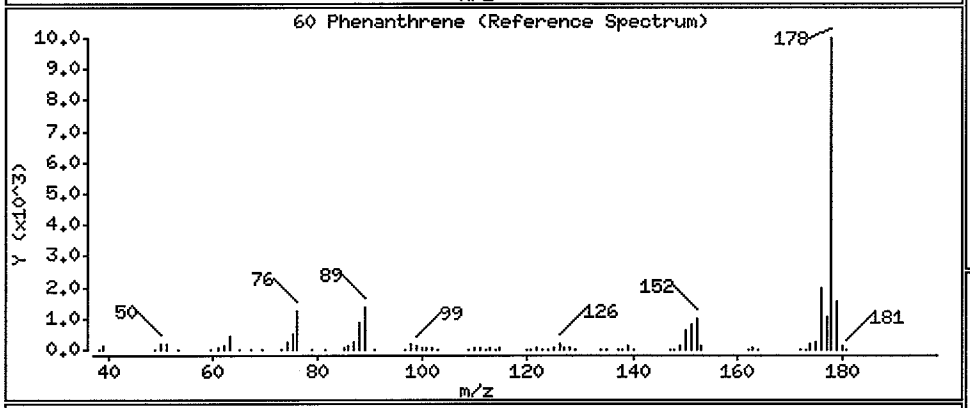
Column diameter: 0.32

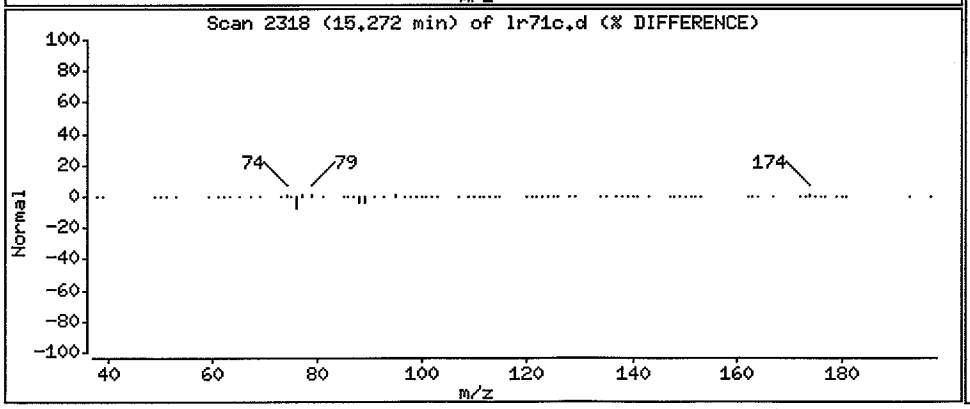
60 Phenanthrene

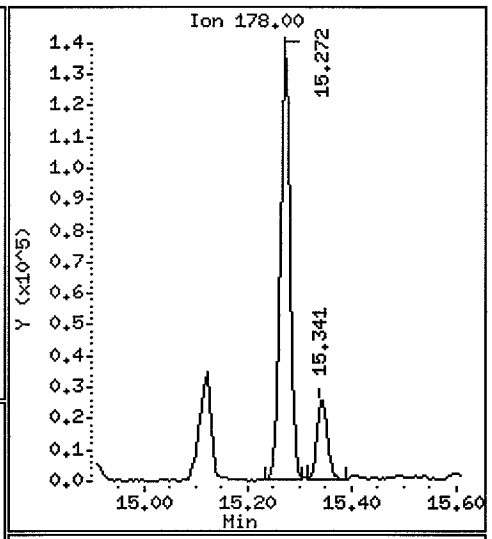
Concentration: 85.25 ug/kg

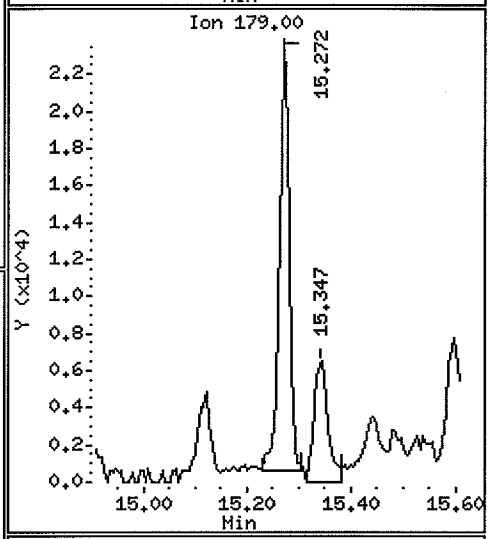


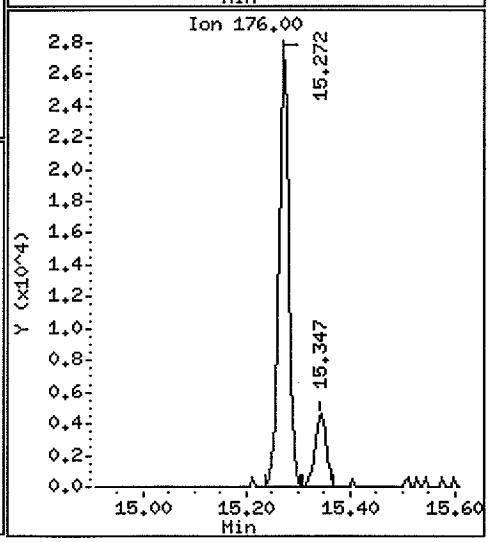












Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

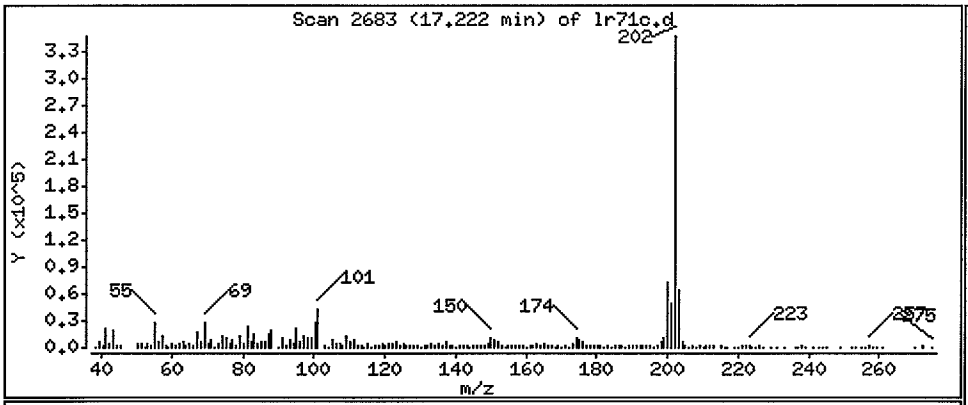
Client ID: AN-SS-03-070928 Instrument: nt6.i

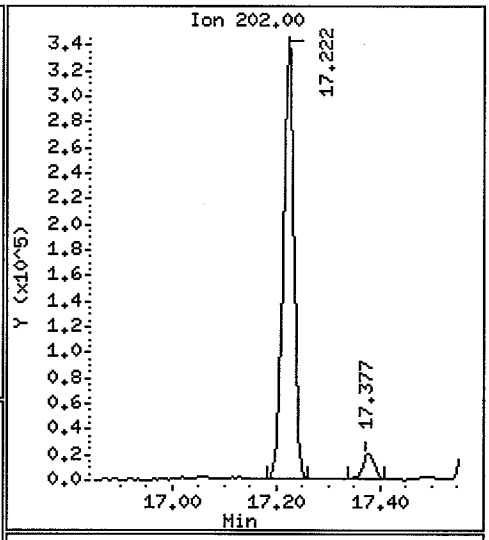
Sample Info: LR71C

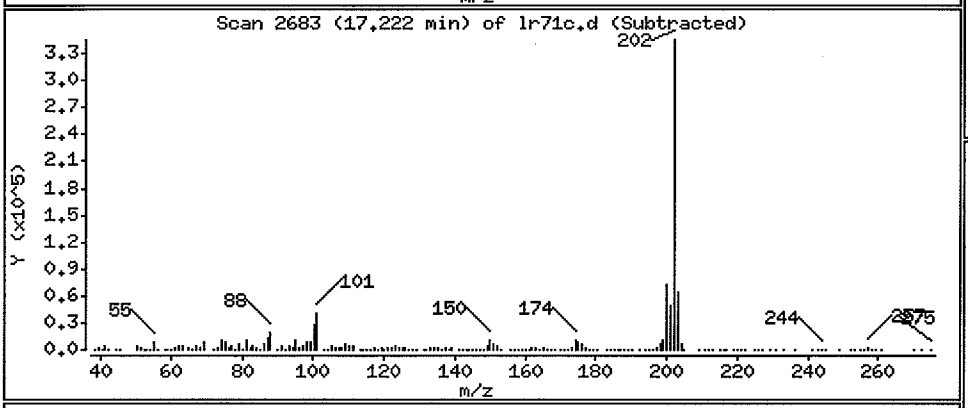
Volume Injected (uL): 1.0 Operator: LJR/VTS

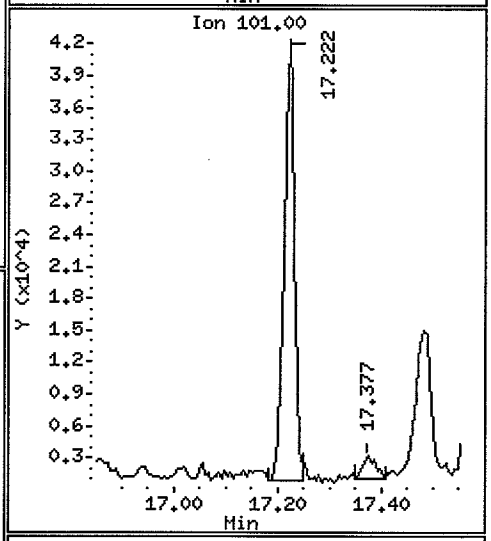
Column phase: ZB-5 Column diameter: 0.32

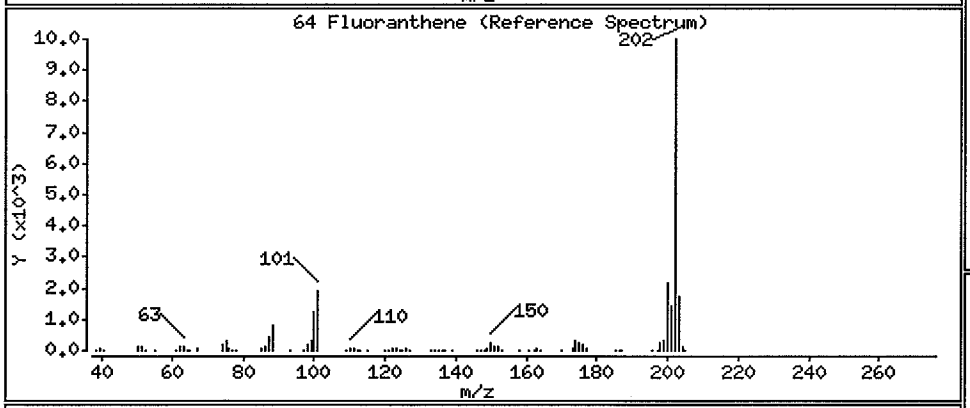
64 Fluoranthene Concentration: 209.5 ug/kg

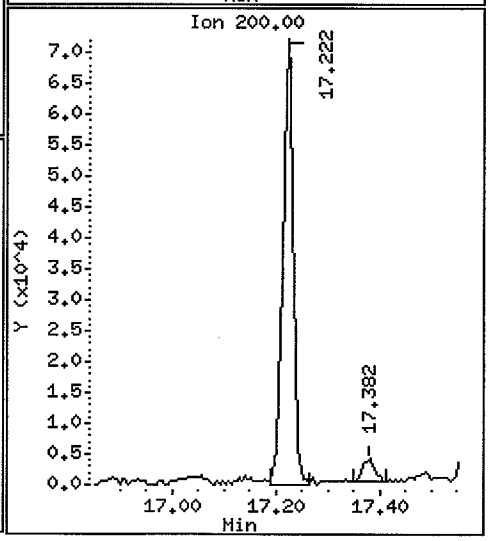


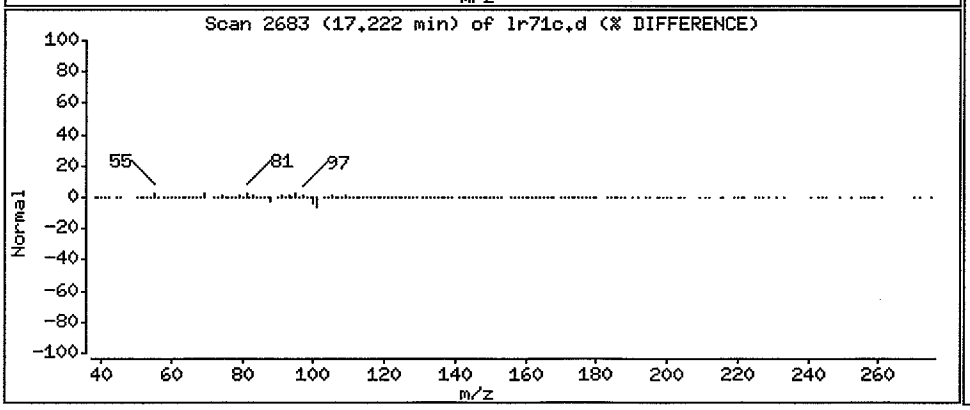












Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

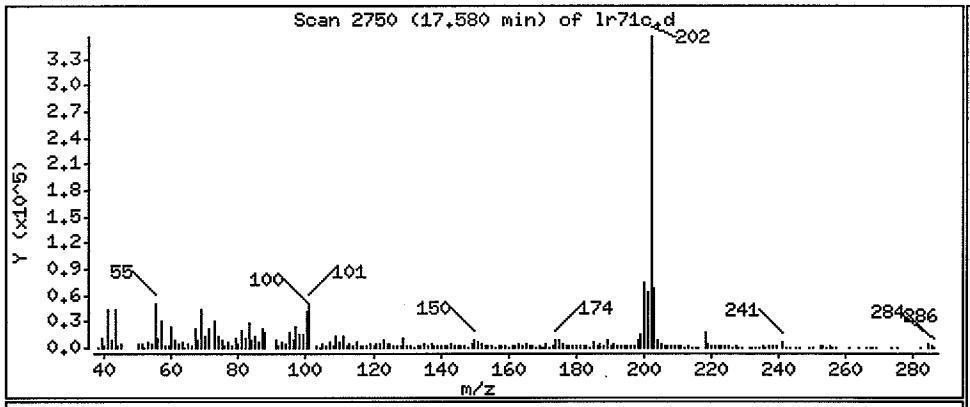
Client ID: AN-SS-03-070928 Instrument: nt6.i

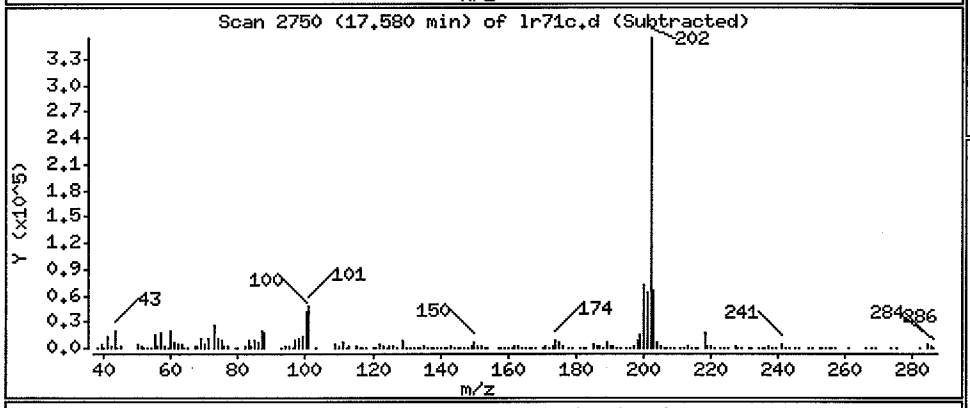
Sample Info: LR71C

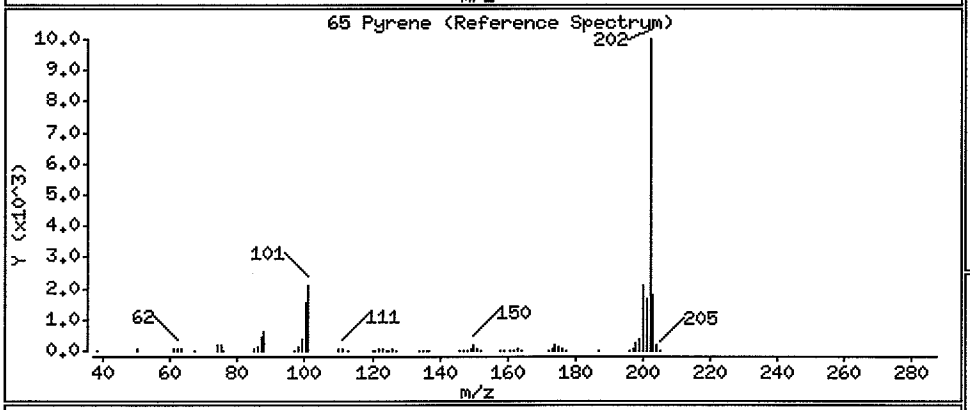
Volume Injected (uL): 1.0 Operator: LJR/VTS

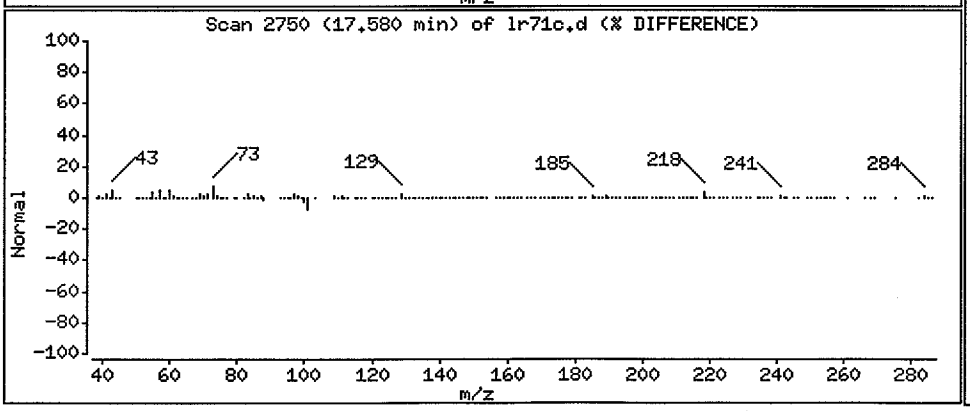
Column phase: ZB-5 Column diameter: 0.32

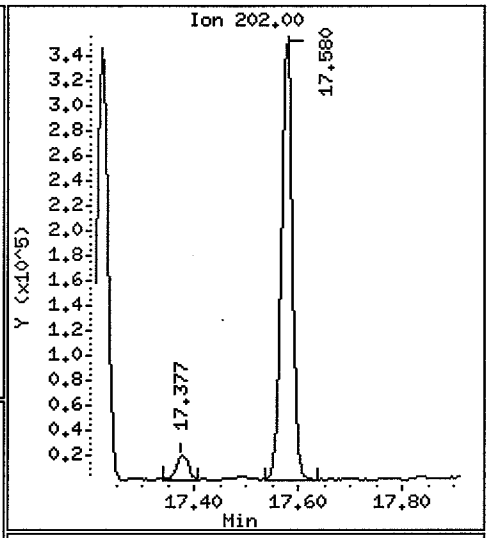
65 Pyrene Concentration: 193.7 ug/kg

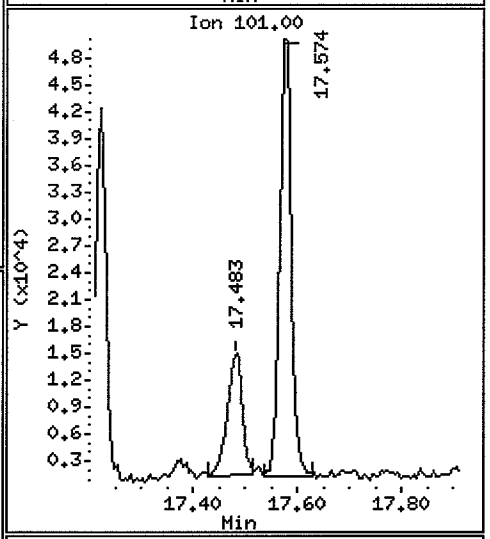


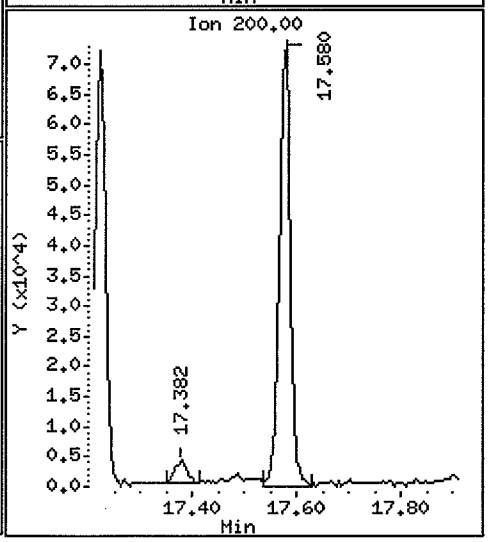












Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

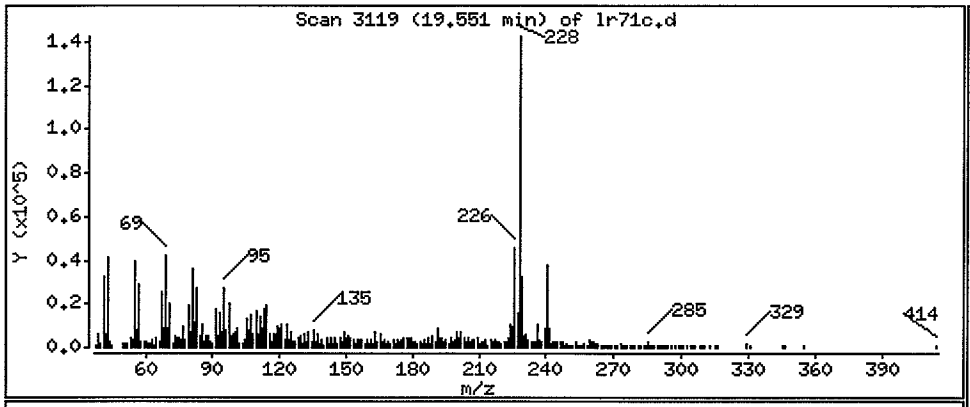
Client ID: AN-SS-03-070928 Instrument: nt6.i

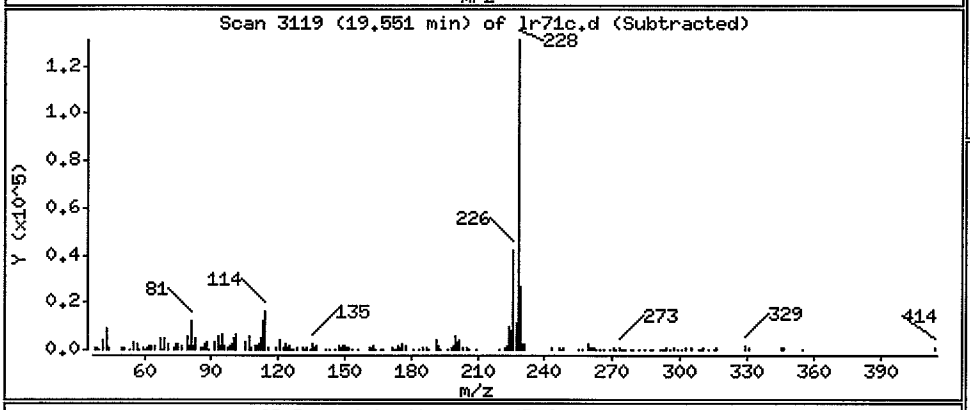
Sample Info: LR71C

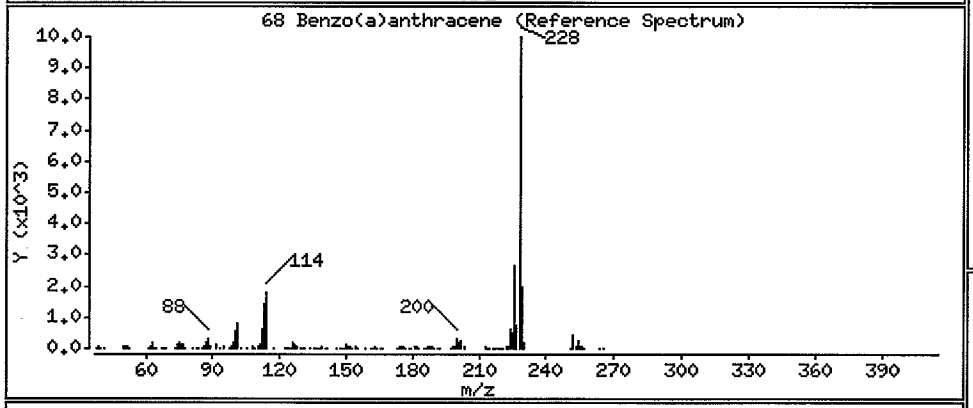
Volume Injected (uL): 1.0 Operator: LJR/VTS

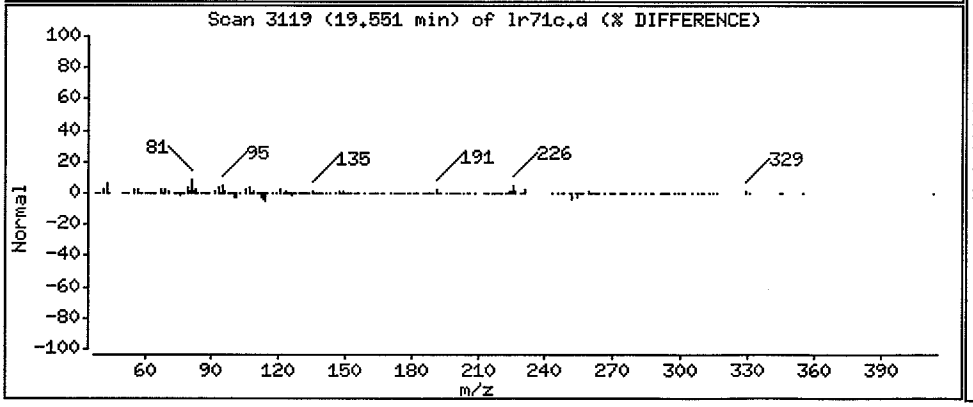
Column phase: ZB-5 Column diameter: 0.32

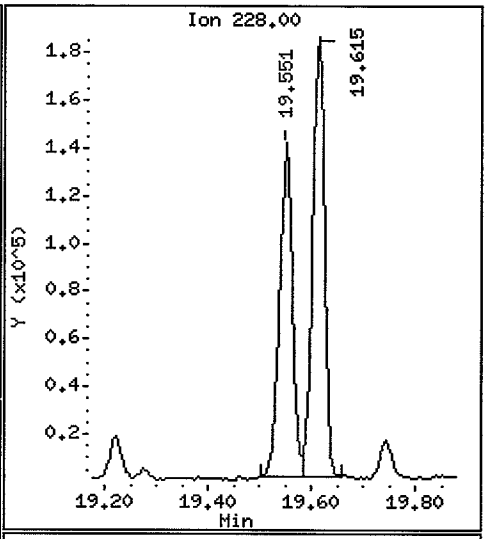
68 Benzo(a)anthracene Concentration: 83.33 ug/kg

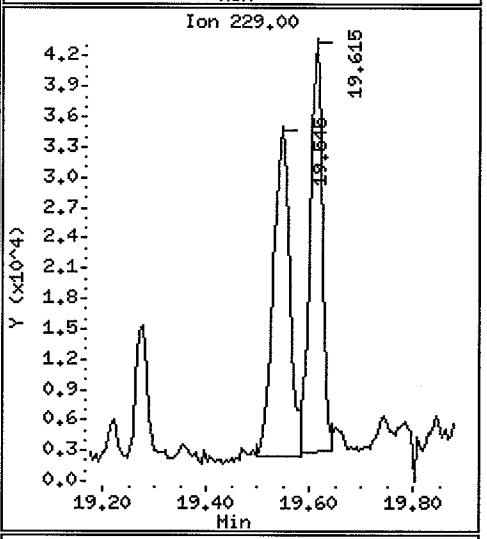


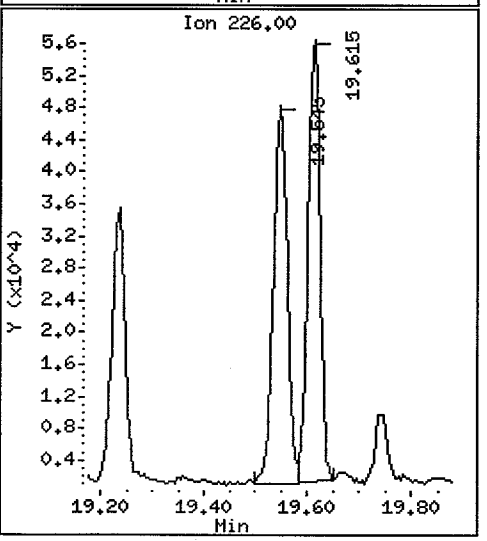












Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

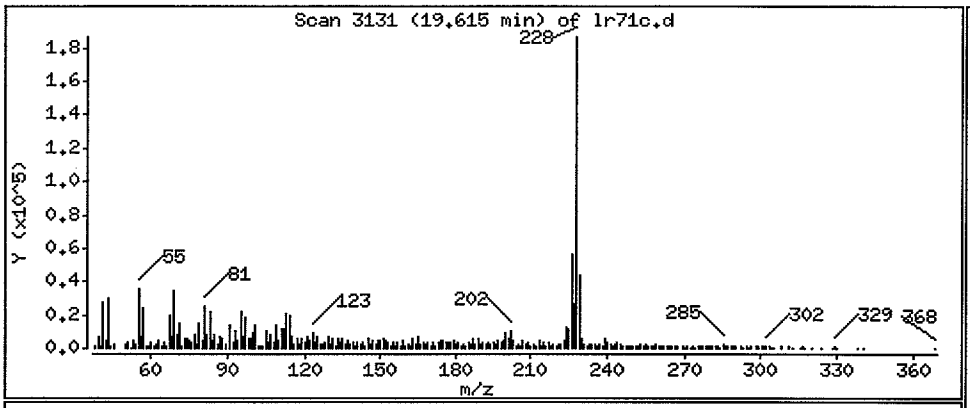
Client ID: AN-SS-03-070928 Instrument: nt6.i

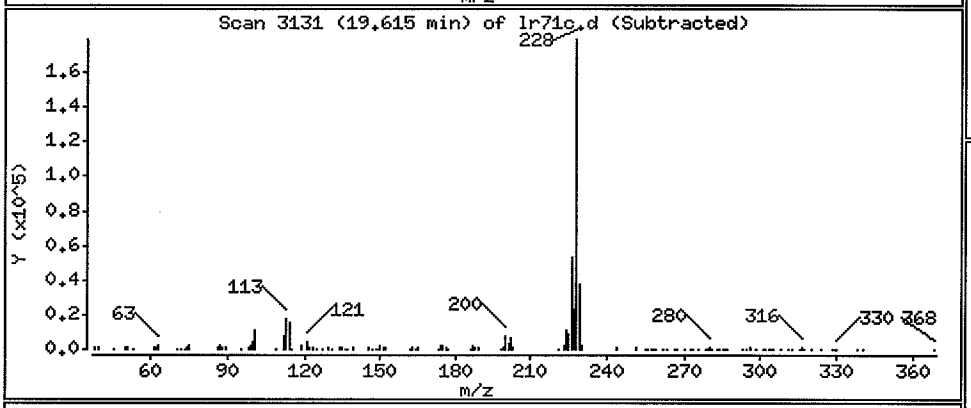
Sample Info: LR71C

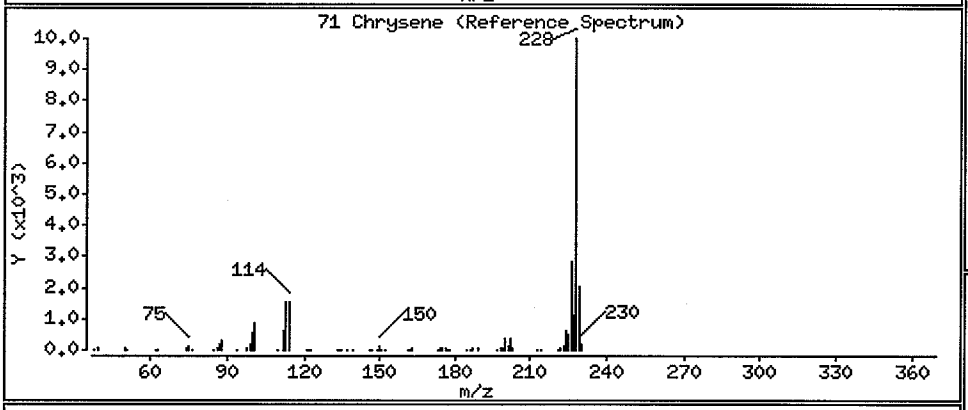
Volume Injected (uL): 1.0 Operator: LJR/VTS

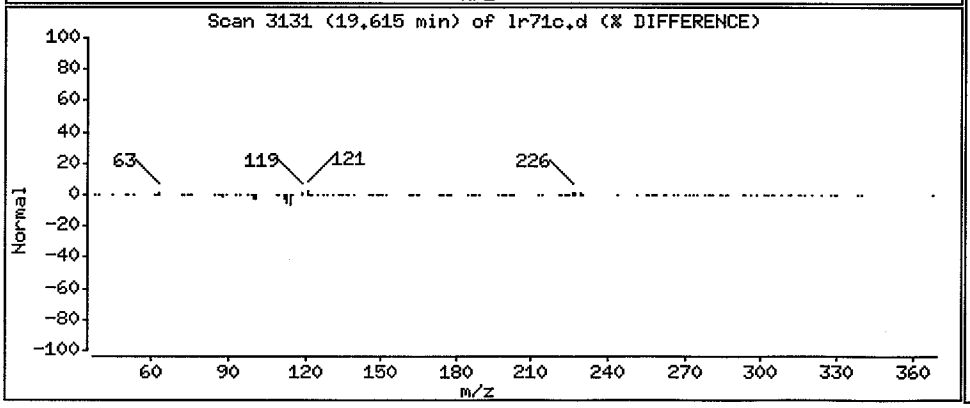
Column phase: ZB-5 Column diameter: 0.32

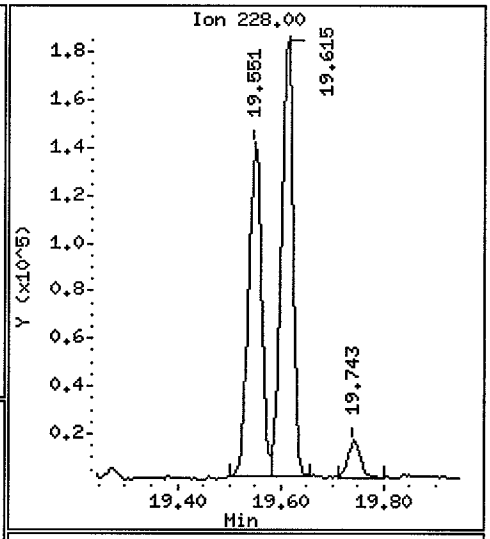
71 Chrysene Concentration: 111.1 ug/kg

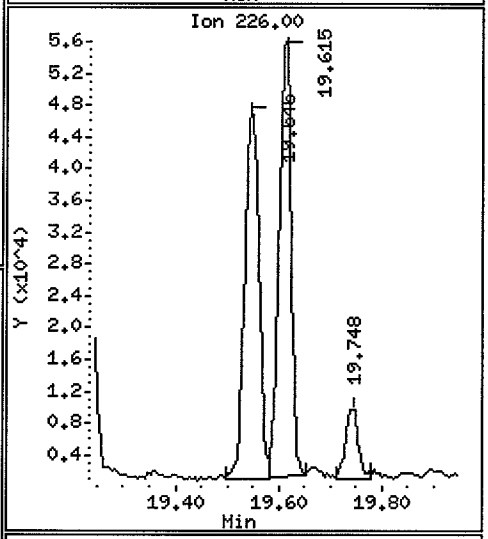


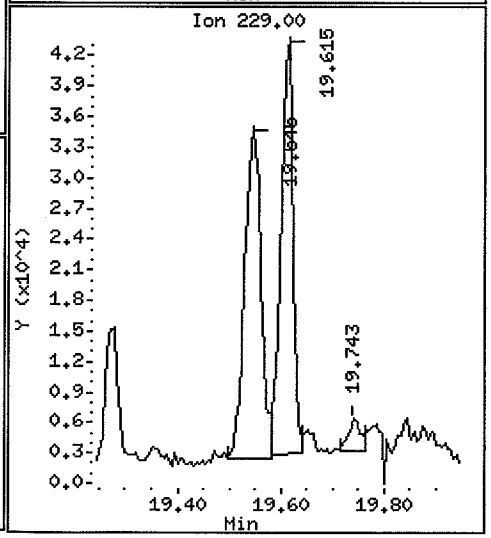












Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

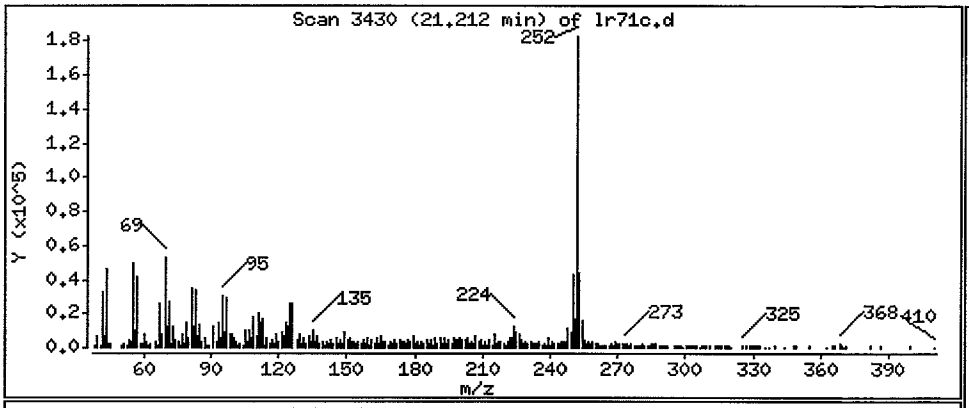
Client ID: AN-SS-03-070928 Instrument: nt6.i

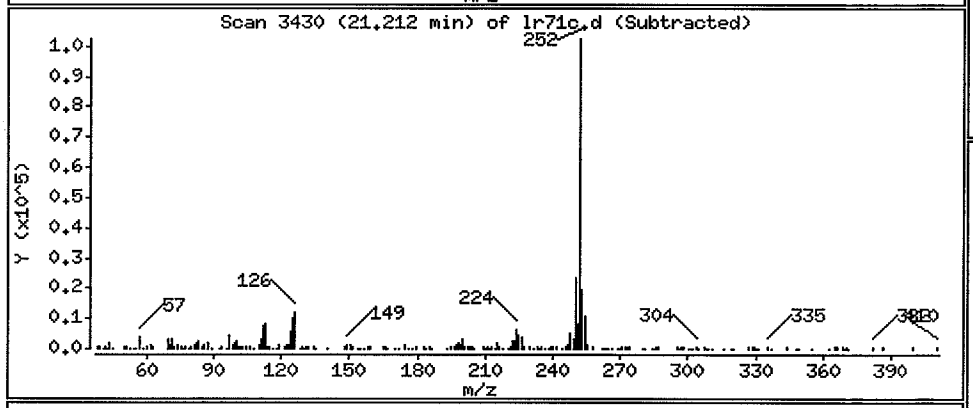
Sample Info: LR71C

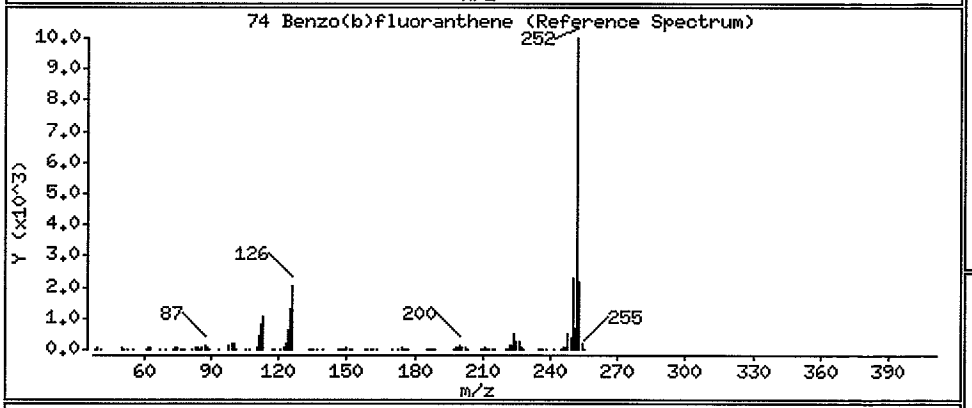
Volume Injected (uL): 1.0 Operator: LJR/VTS

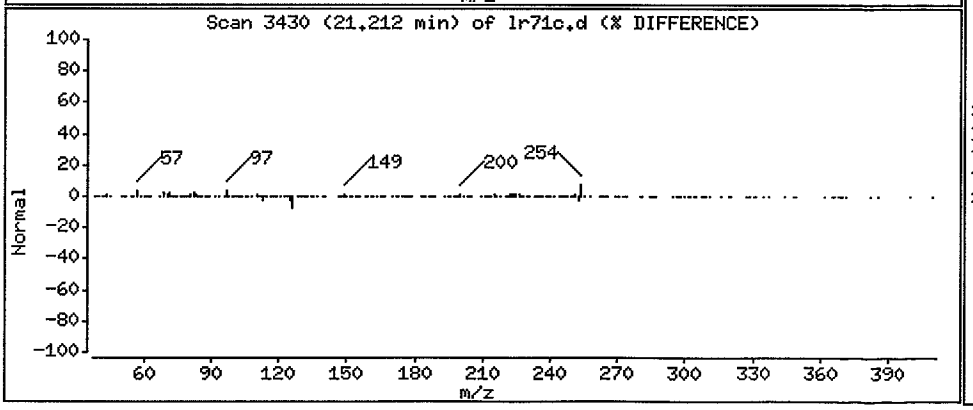
Column phase: ZB-5 Column diameter: 0.32

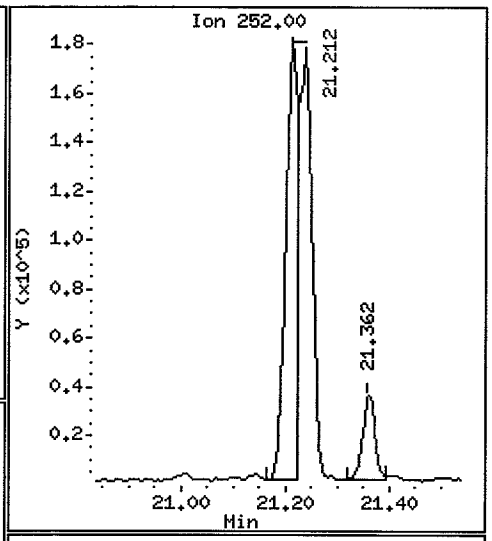
74 Benzo(b)fluoranthene Concentration: 119.6 ug/kg

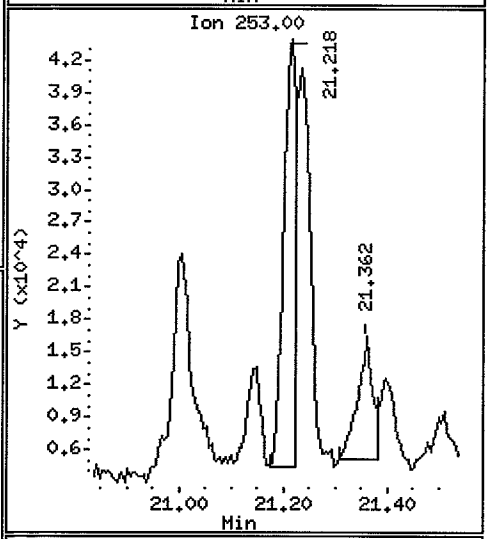


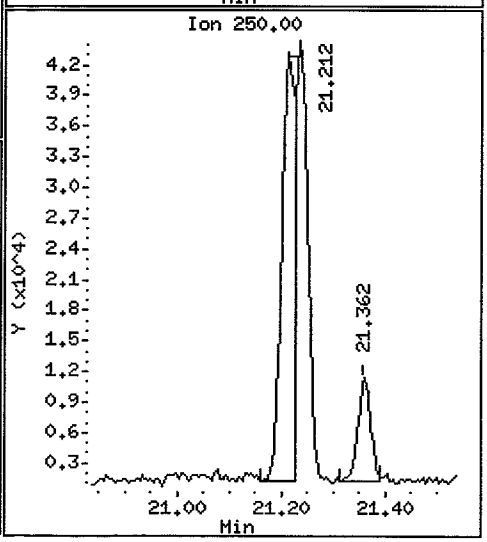












Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

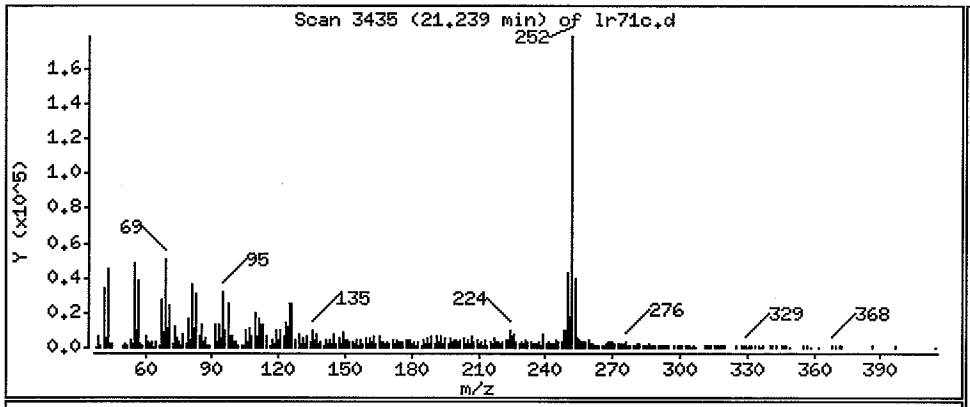
Client ID: AN-SS-03-070928 Instrument: nt6.i

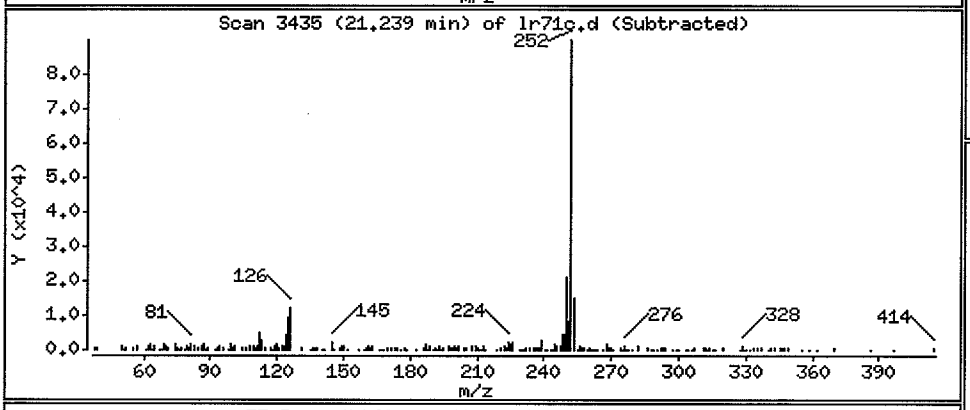
Sample Info: LR71C

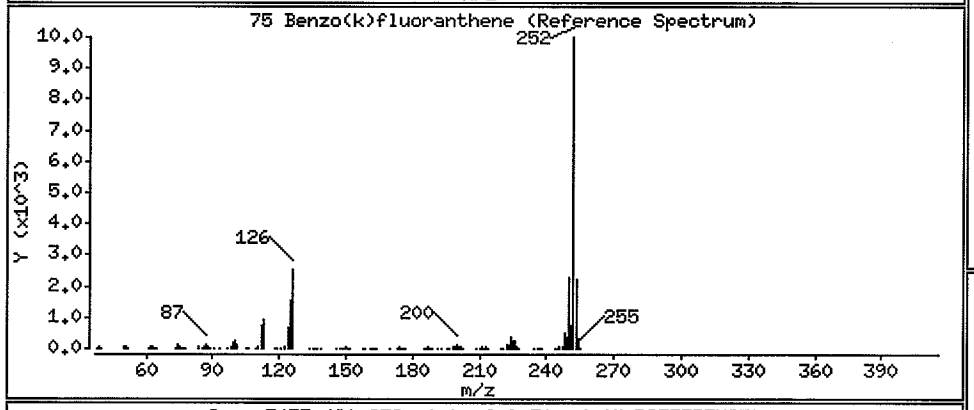
Volume Injected (uL): 1.0 Operator: LJR/VTS

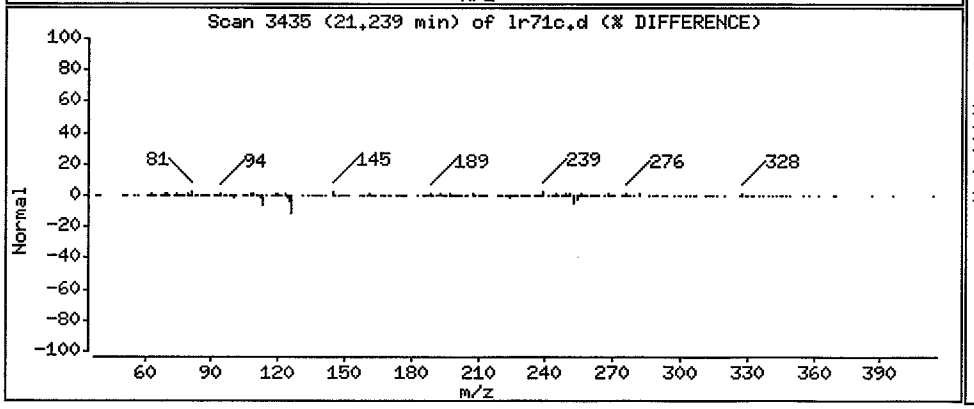
Column phase: ZB-5 Column diameter: 0.32

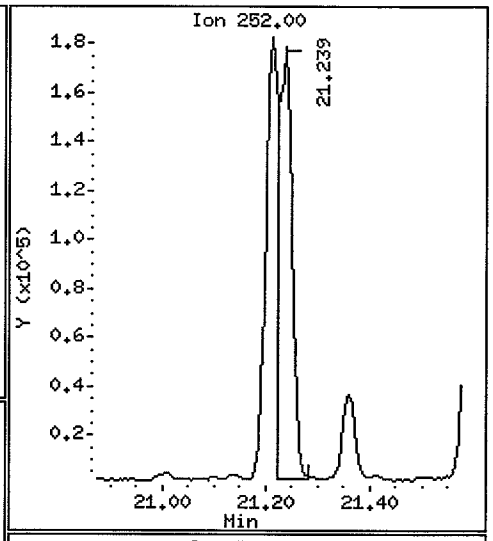
75 Benzo(k)fluoranthene Concentration: 126.7 ug/kg

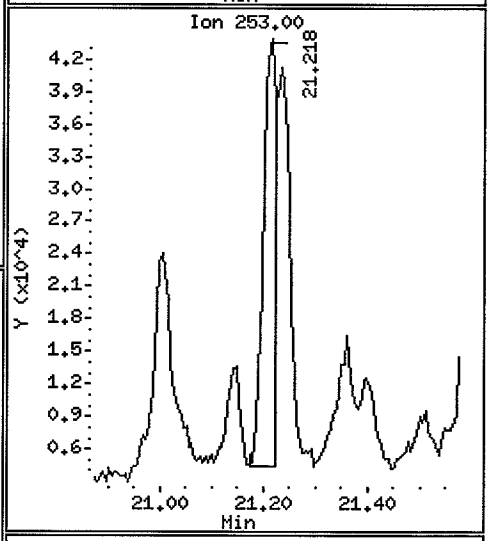


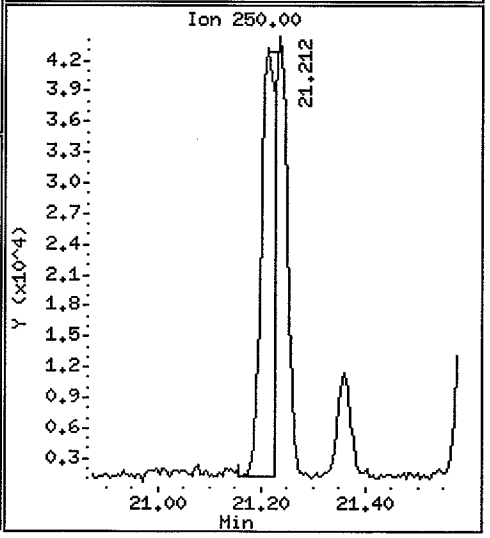












Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

Client ID: AN-SS-03-070928

Instrument: nt6.i

Sample Info: LR71C

Volume Injected (uL): 1.0

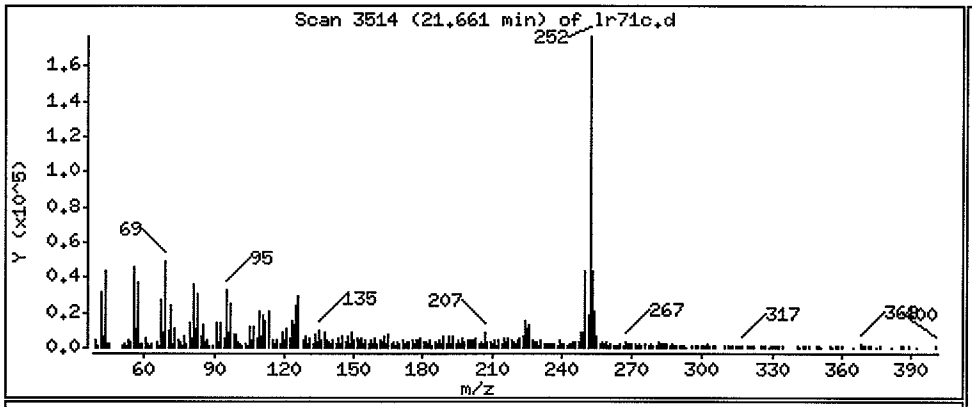
Operator: LJR/VTS

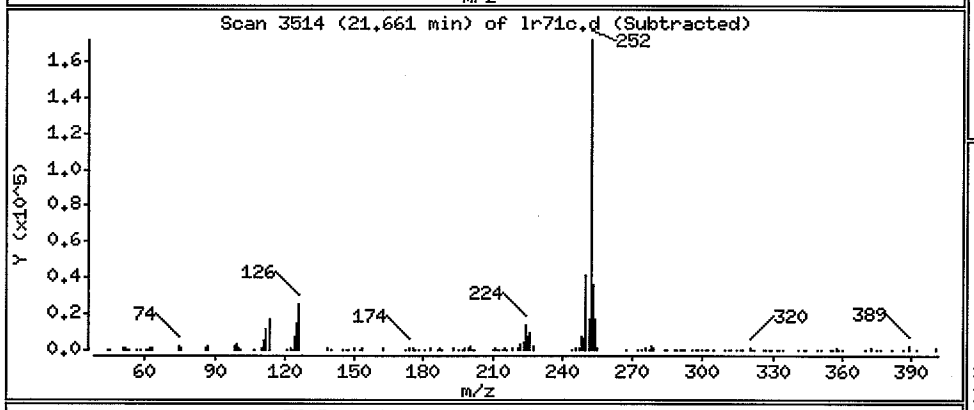
Column phase: ZB-5

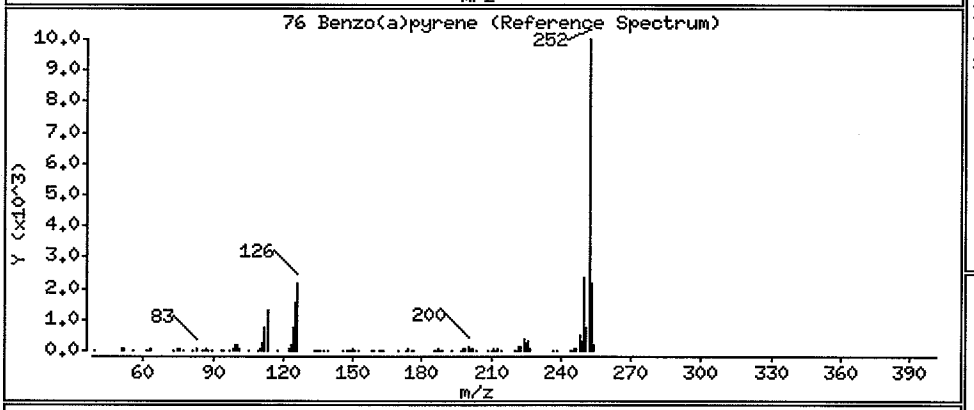
Column diameter: 0.32

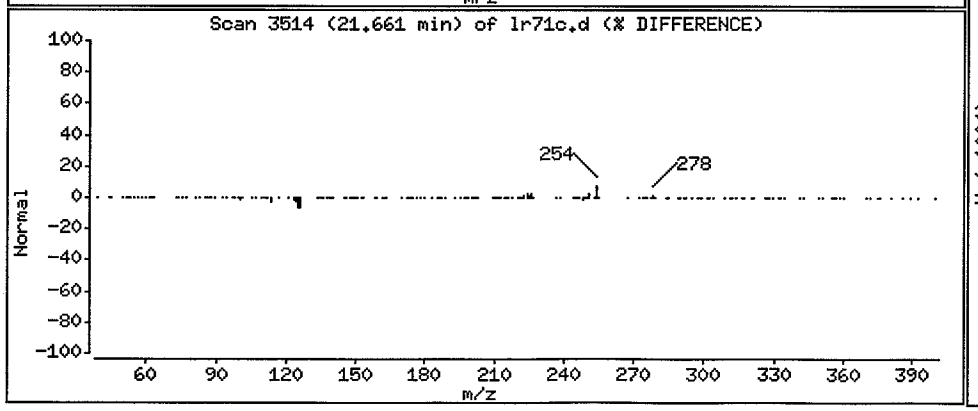
76 Benzo(a)pyrene

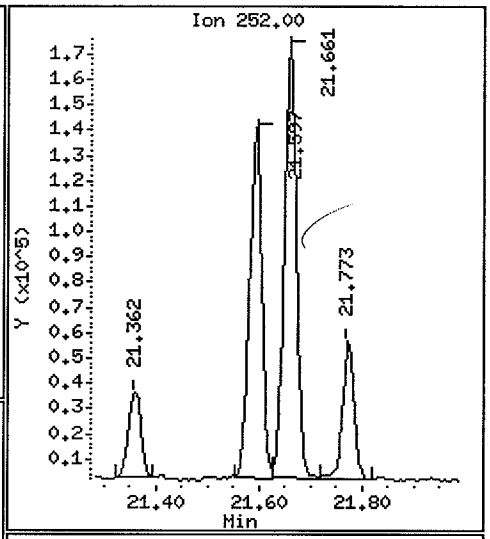
Concentration: 130.2 ug/kg

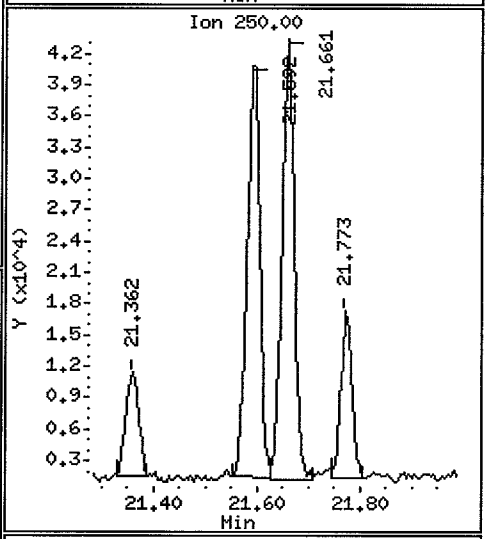


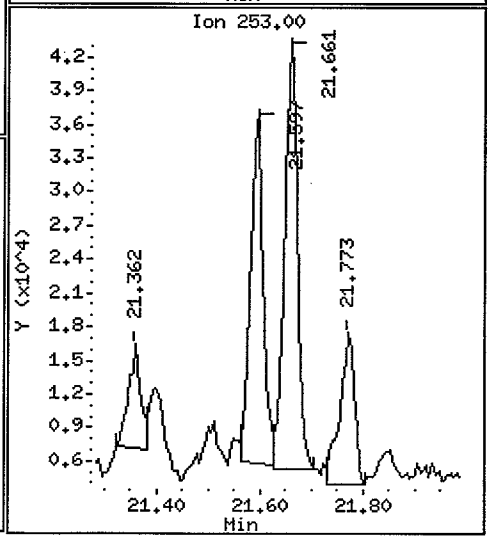












Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

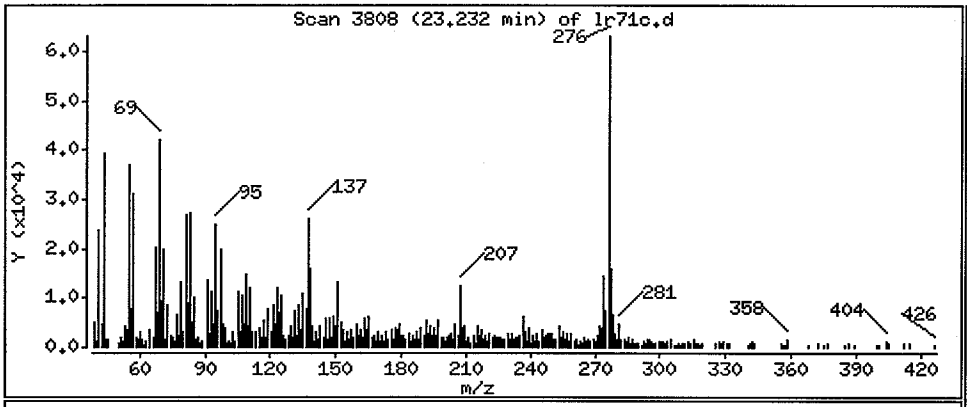
Client ID: AN-SS-03-070928 Instrument: nt6.i

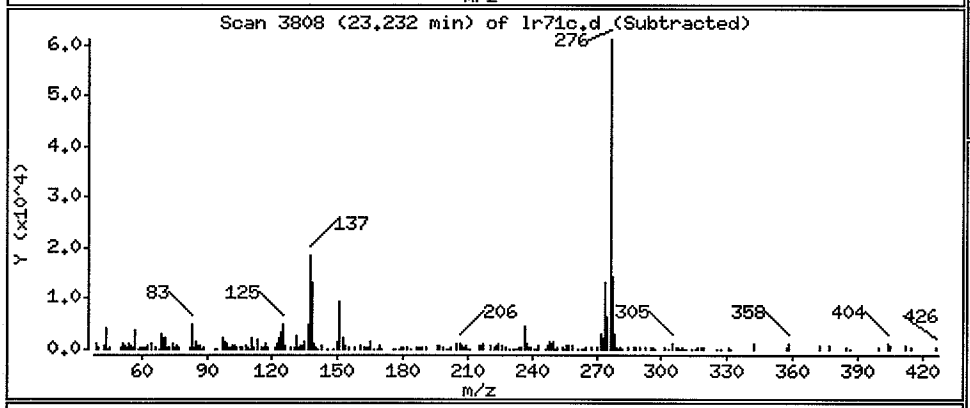
Sample Info: LR71C

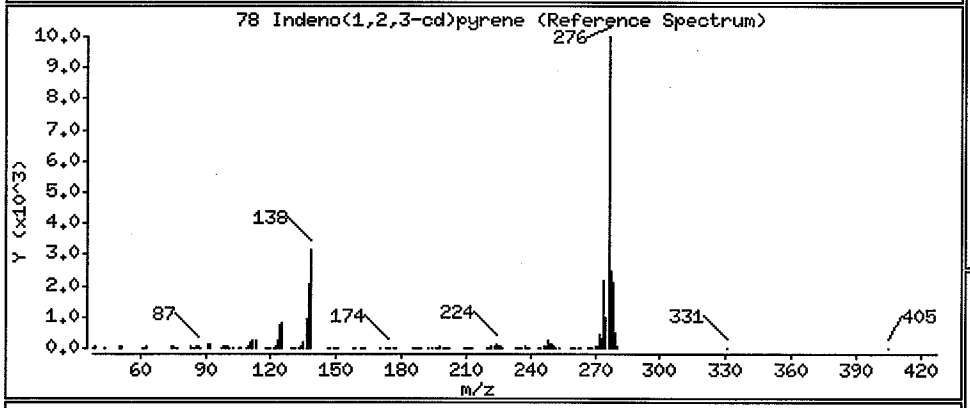
Volume Injected (uL): 1.0 Operator: LJR/VTS

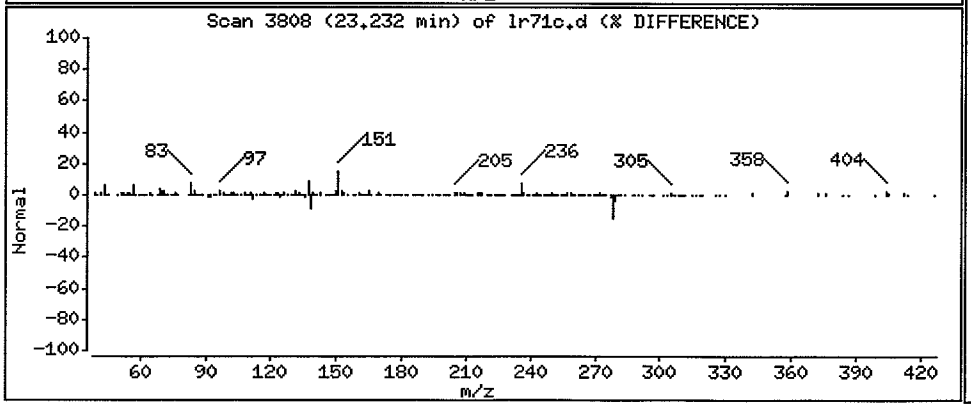
Column phase: ZB-5 Column diameter: 0.32

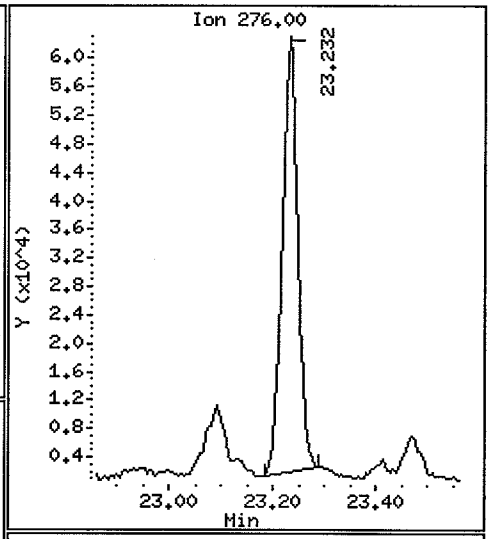
78 Indeno(1,2,3-cd)pyrene Concentration: 48.37 ug/kg

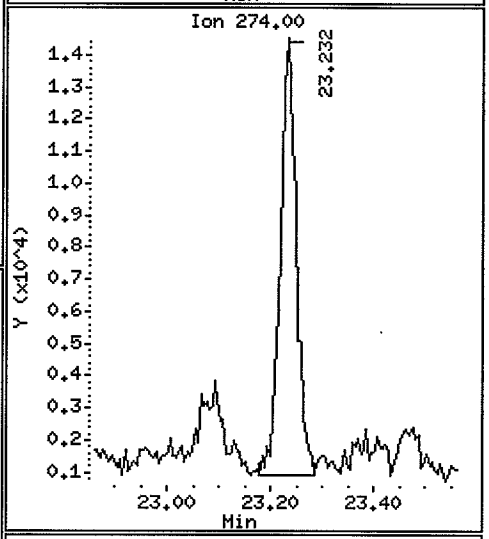


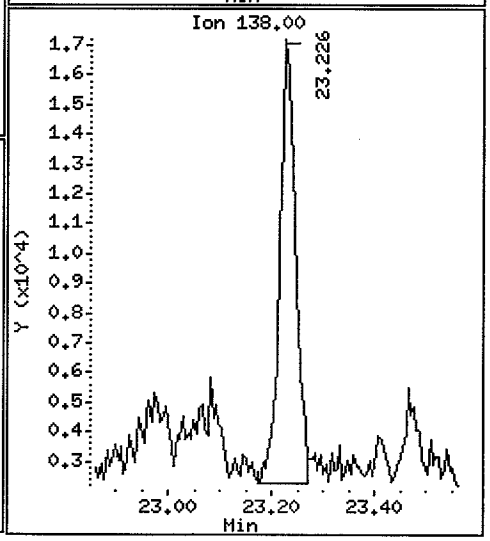












Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

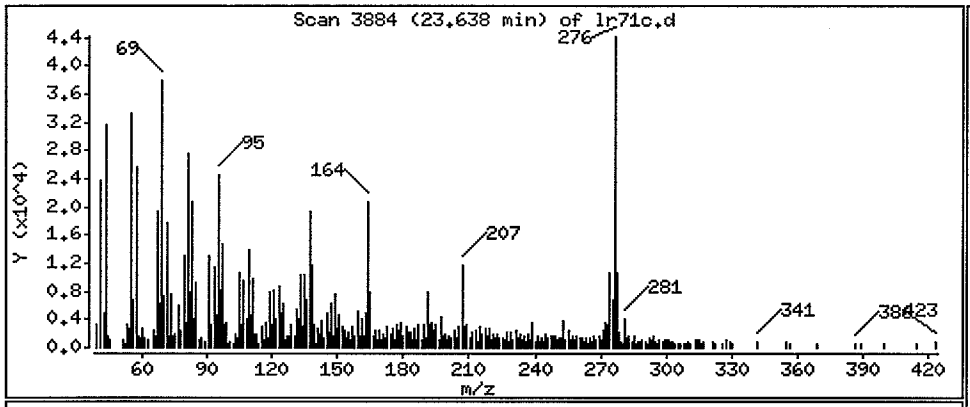
Client ID: AN-SS-03-070928 Instrument: nt6.i

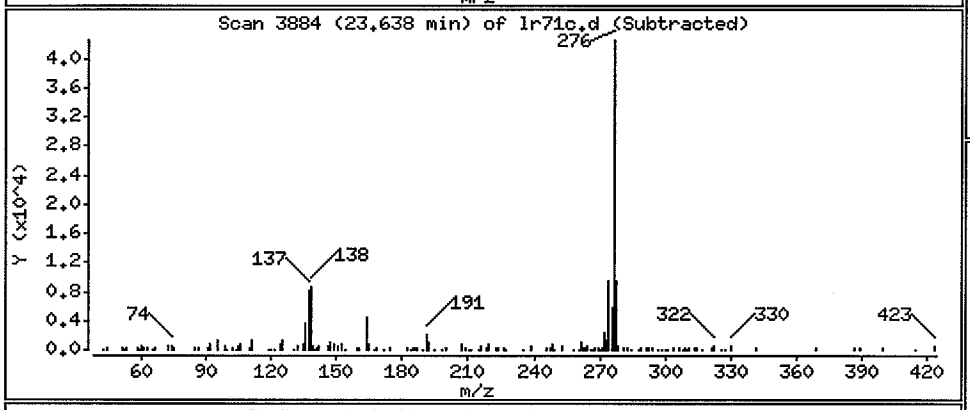
Sample Info: LR71C

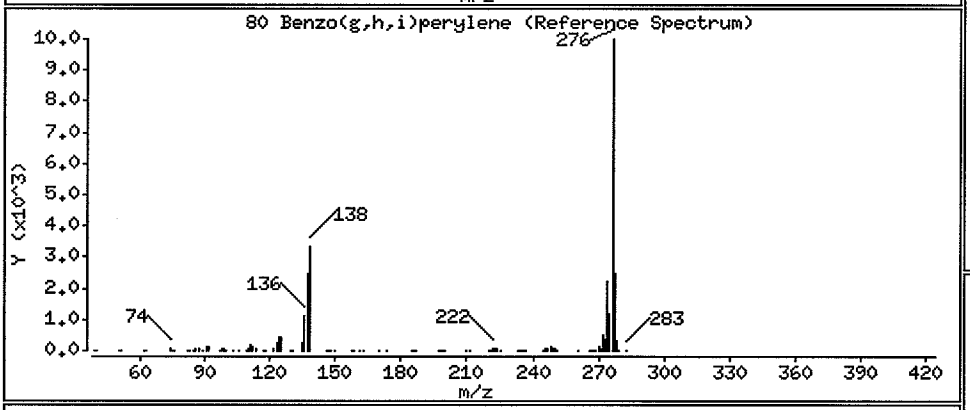
Volume Injected (uL): 1.0 Operator: LJR/VTS

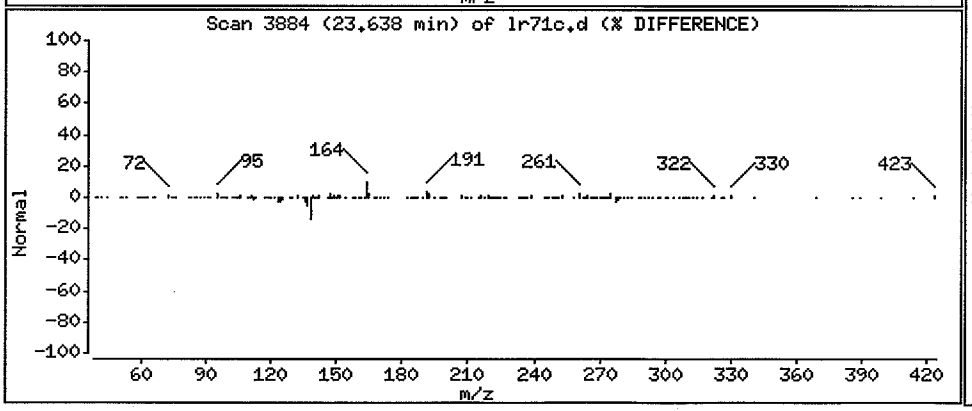
Column phase: ZB-5 Column diameter: 0.32

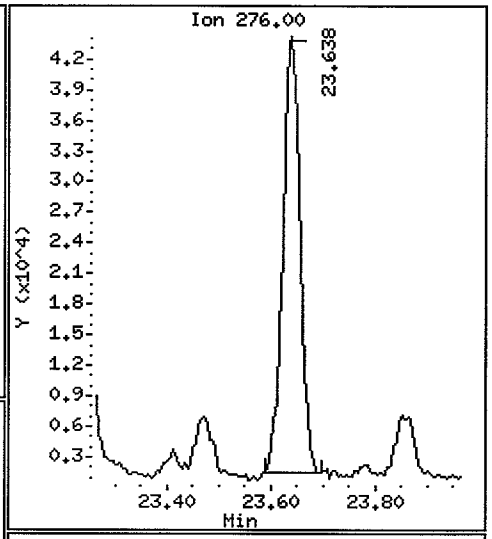
80 Benzo(g,h,i)perylene Concentration: 36.95 ug/kg

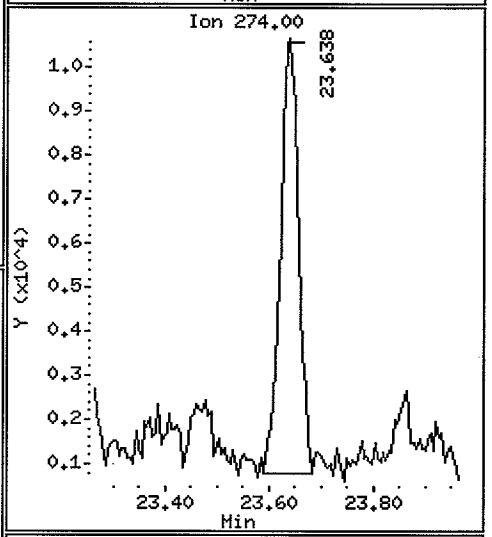


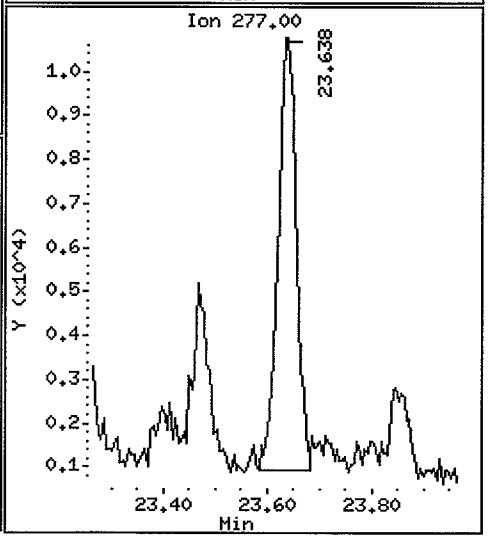












Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

Client ID: AN-SS-03-070928

Instrument: nt6.i

Sample Info: LR71C

Volume Injected (uL): 1.0

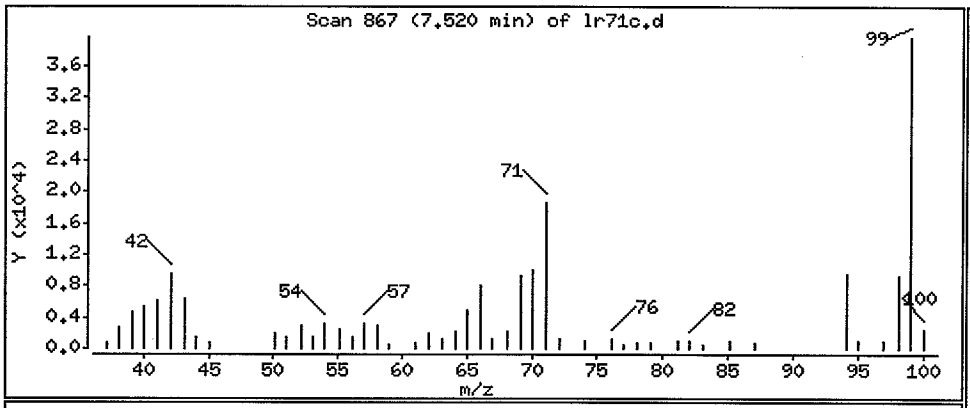
Operator: LJR/VTS

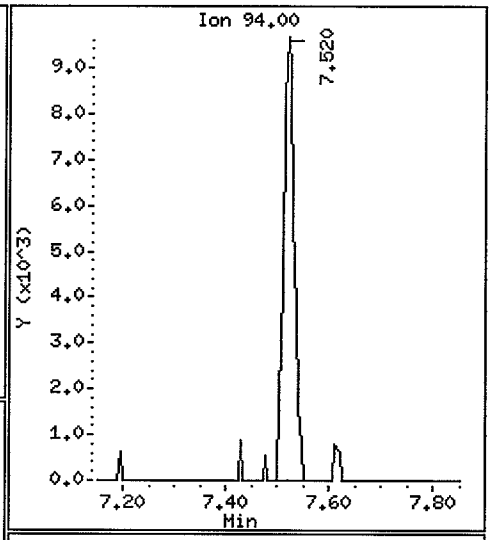
Column phase: ZB-5

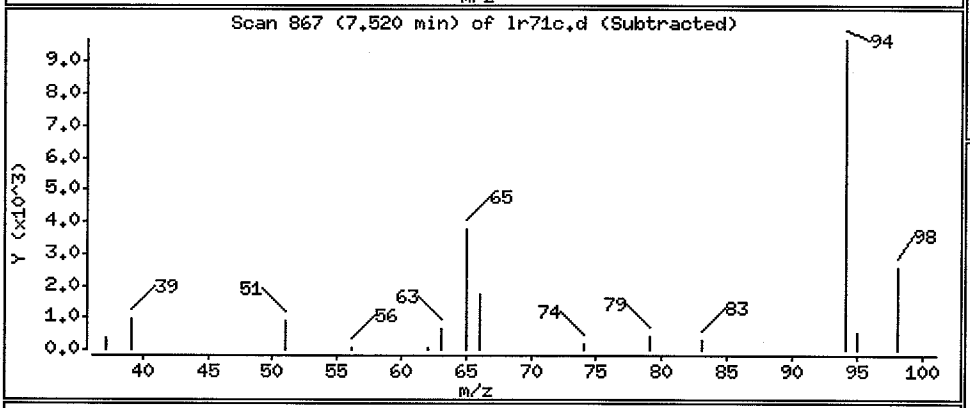
Column diameter: 0.32

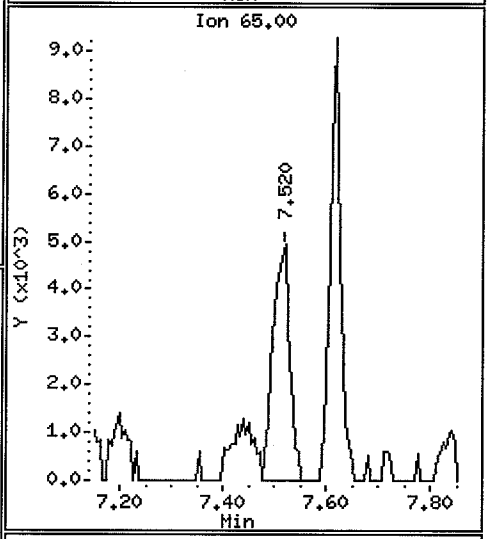
3 Phenol

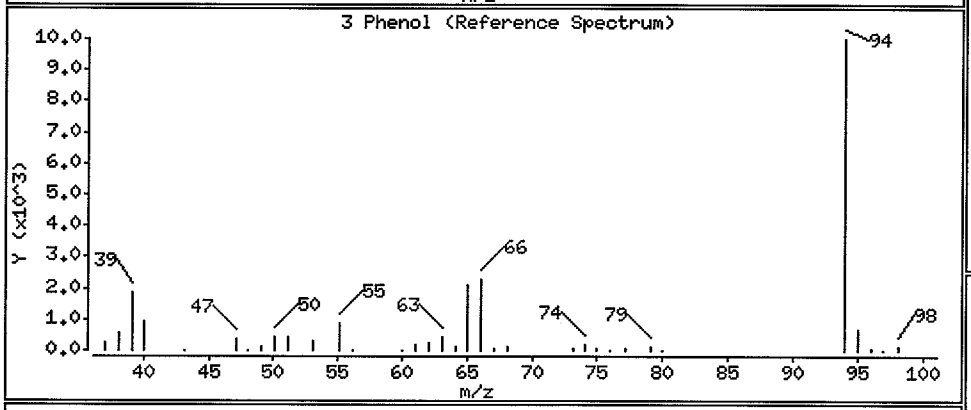
Concentration: 12.15 ug/kg

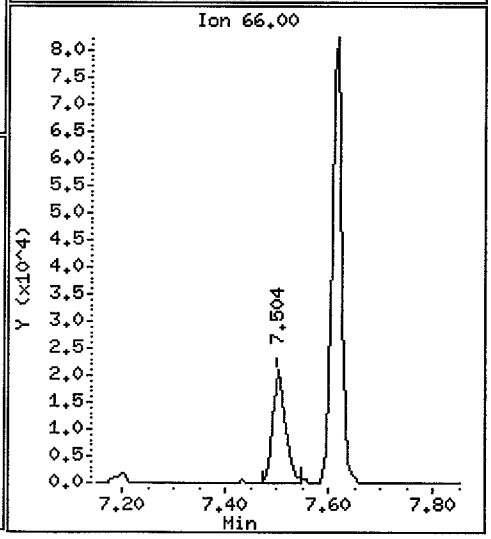


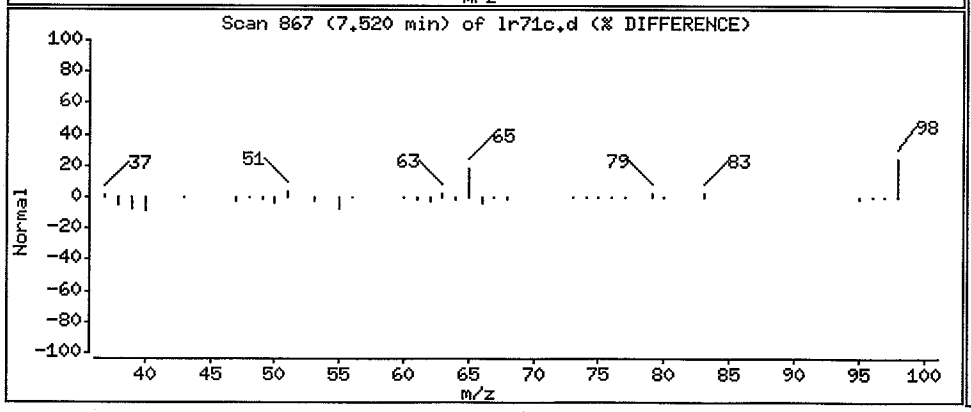












Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

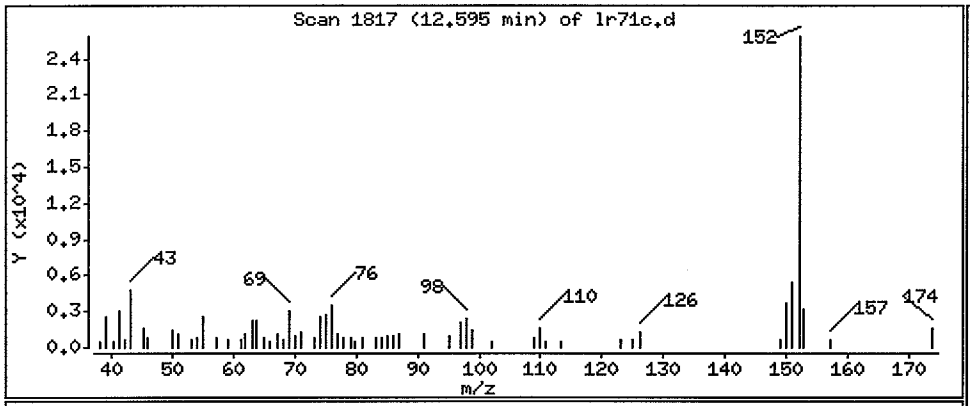
Client ID: AN-SS-03-070928 Instrument: nt6.i

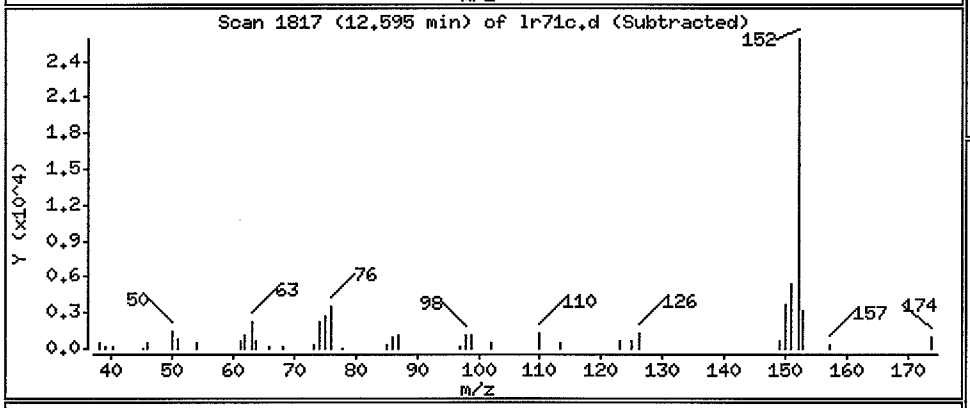
Sample Info: LR71C

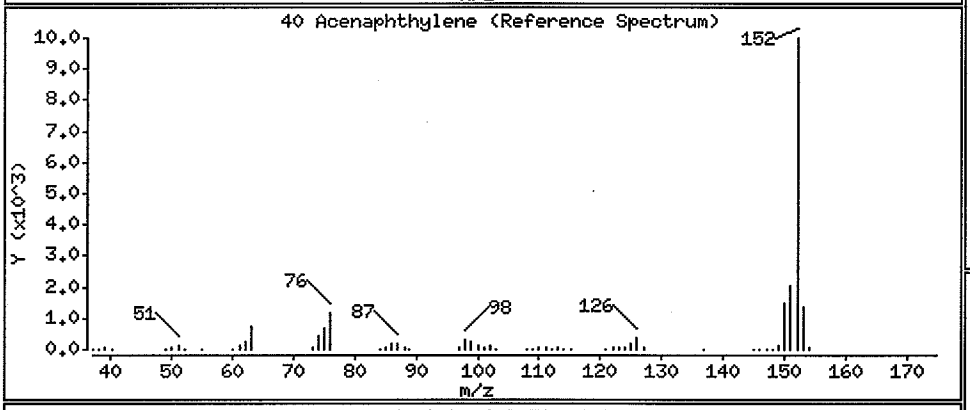
Volume Injected (uL): 1.0 Operator: LJR/VTS

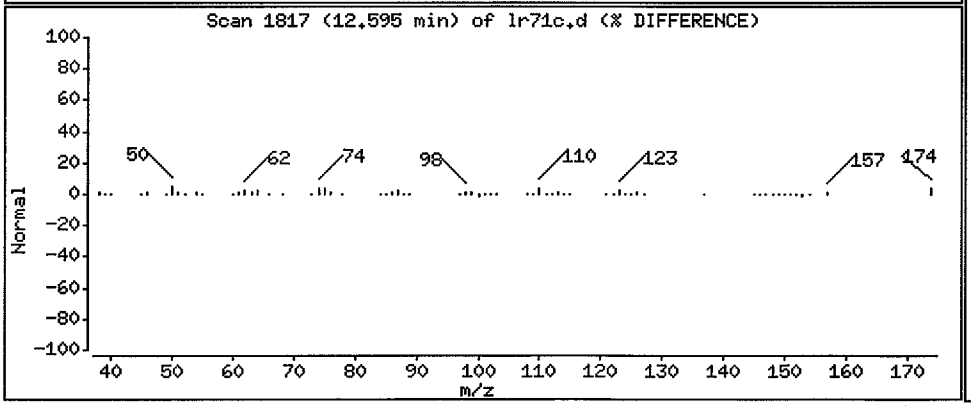
Column phase: ZB-5 Column diameter: 0.32

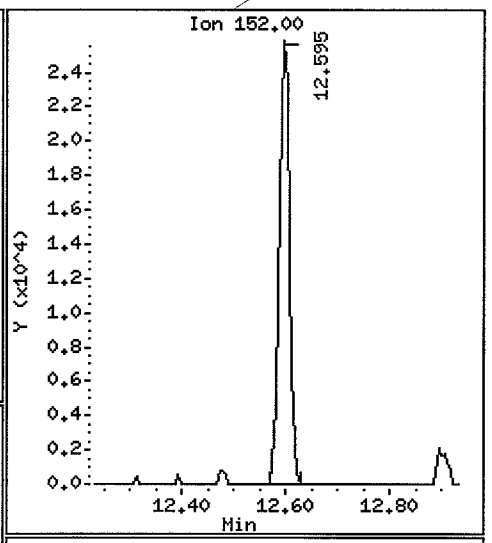
40 Acenaphthylene Concentration: 18.48 ug/kg

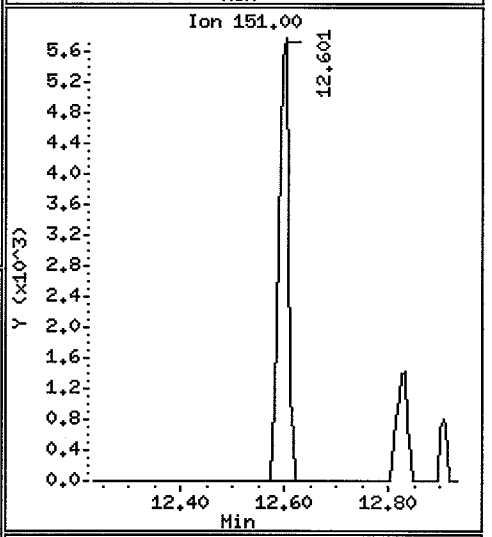


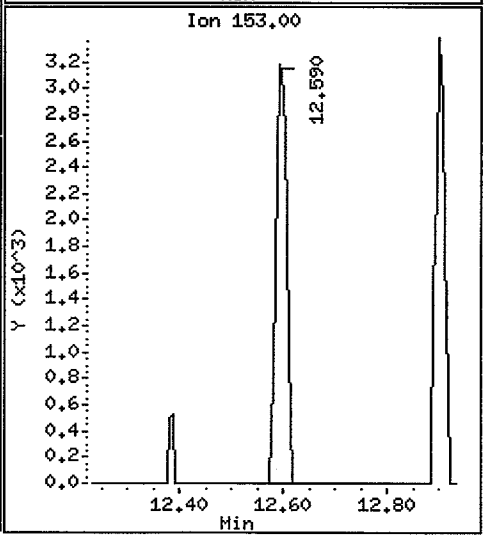












Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

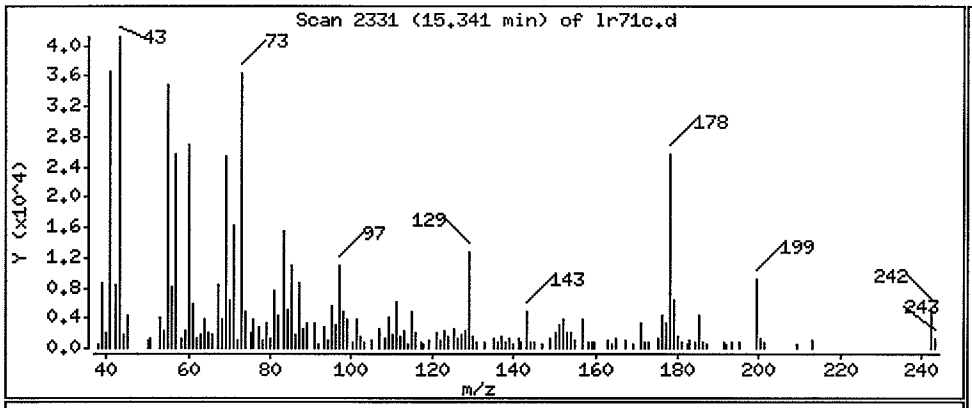
Client ID: AN-SS-03-070928 Instrument: nt6.i

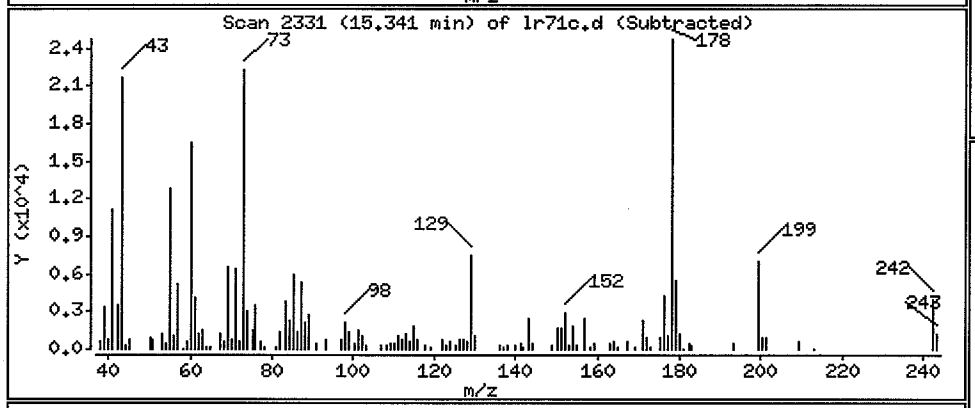
Sample Info: LR71C

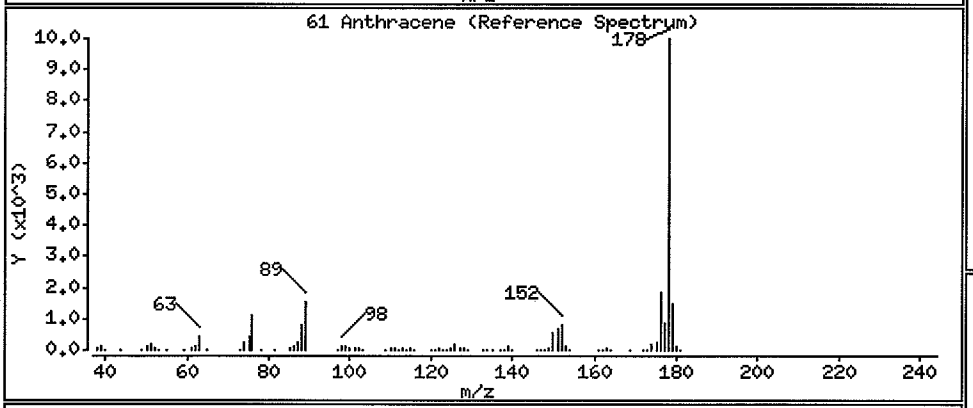
Volume Injected (uL): 1.0 Operator: LJR/VTS

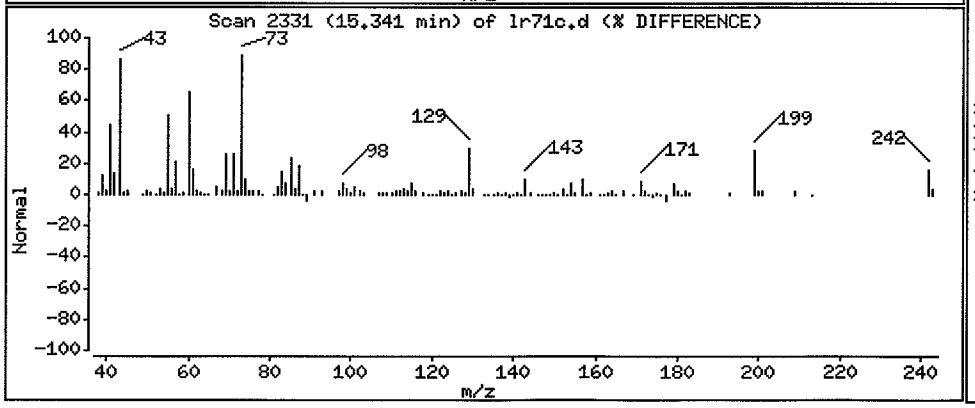
Column phase: ZB-5 Column diameter: 0.32

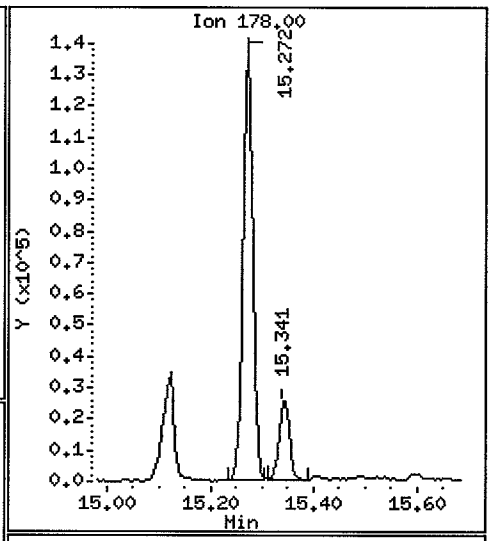
61 Anthracene Concentration: 16.29 ug/kg

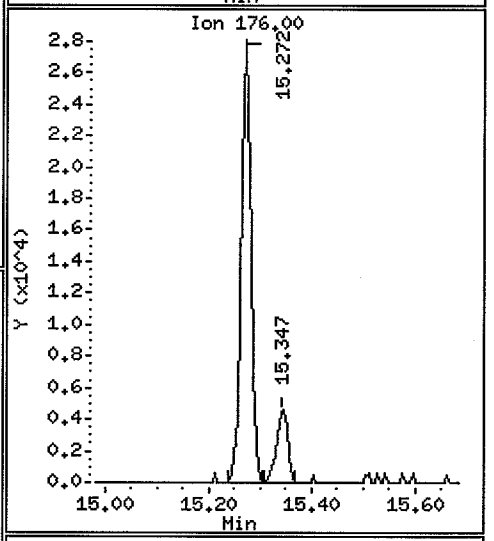


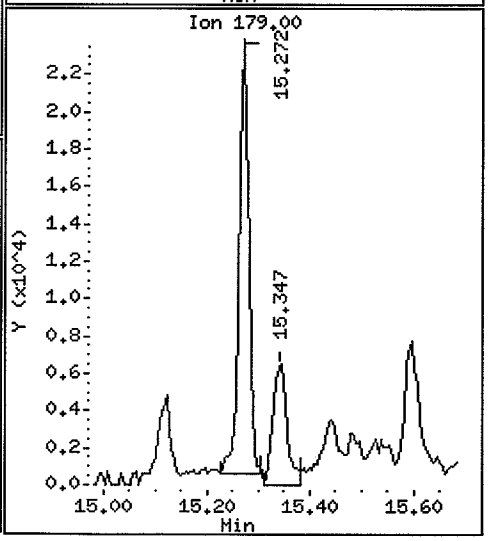












Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

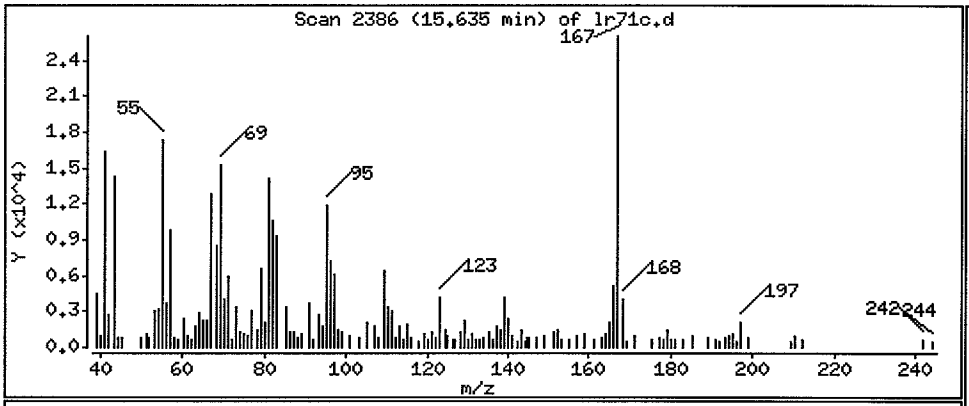
Client ID: AN-SS-03-070928 Instrument: nt6.i

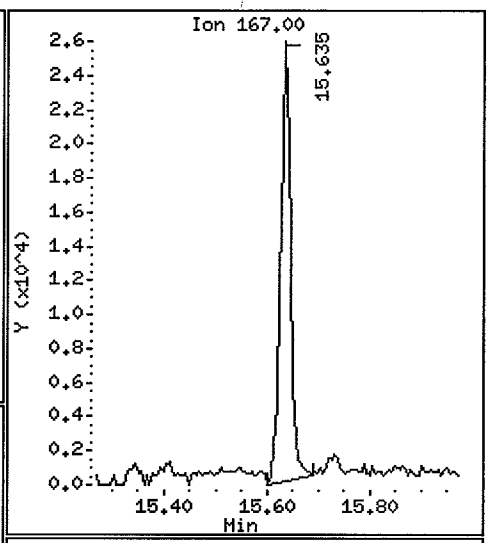
Sample Info: LR71C

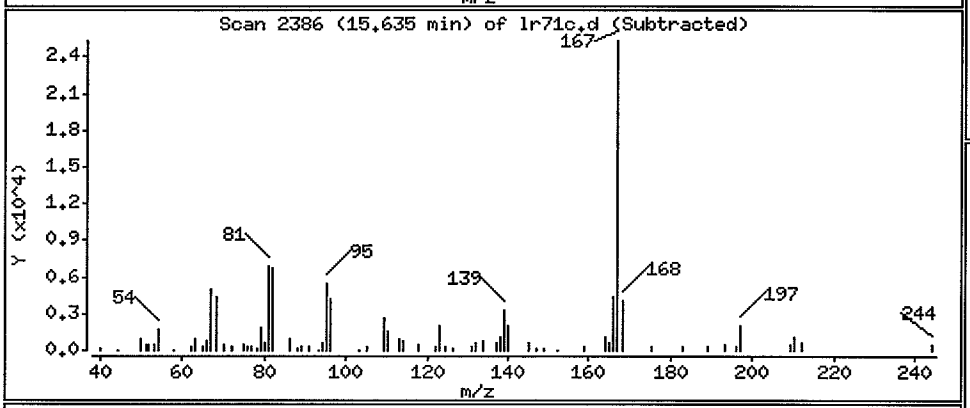
Volume Injected (uL): 1.0 Operator: LJR/VTS

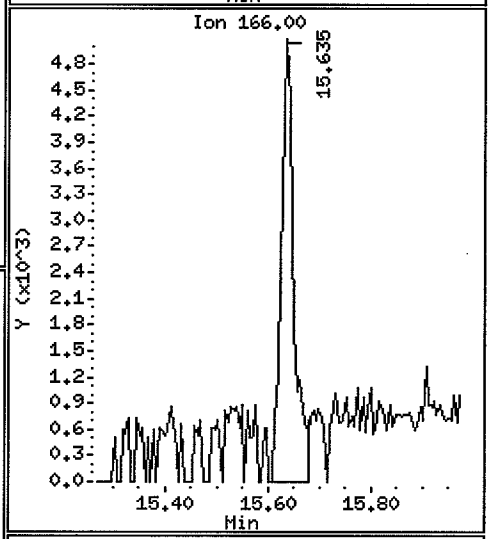
Column phase: ZB-5 Column diameter: 0.32

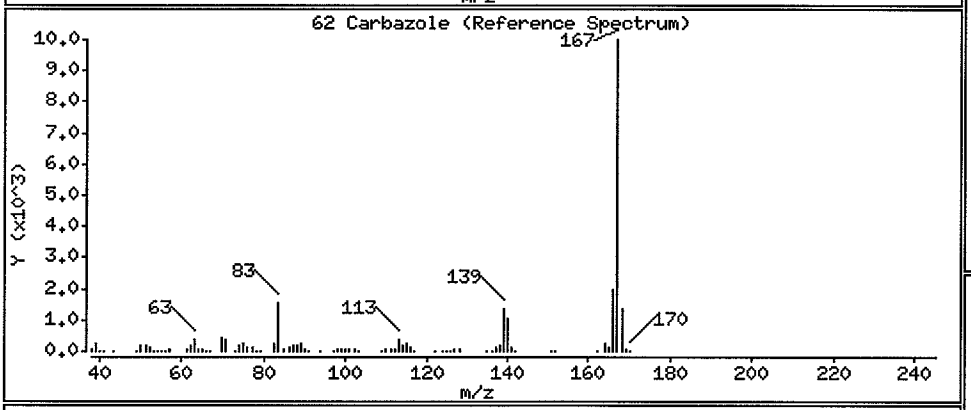
62 Carbazole Concentration: 18.34 ug/kg

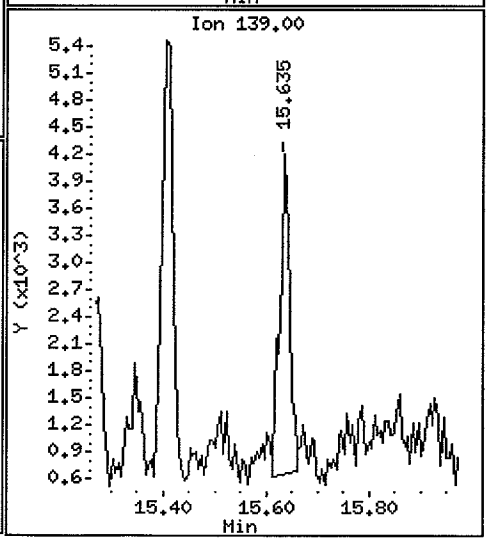


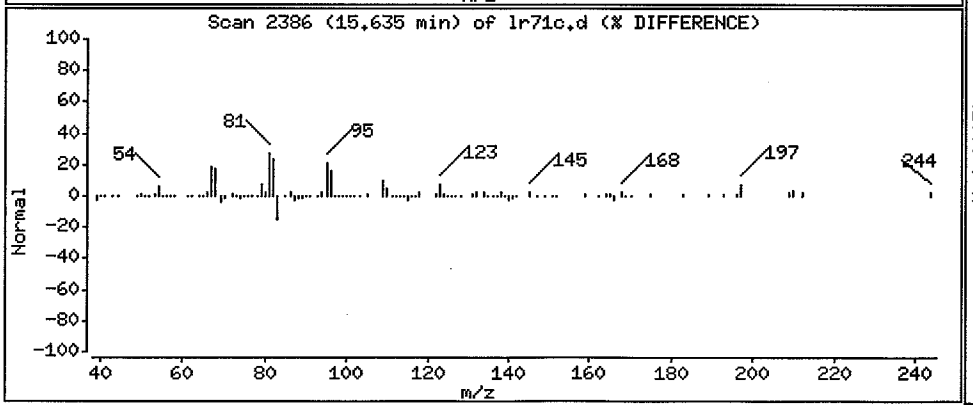












Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

Client ID: AN-SS-03-070928

Instrument: nt6.i

Sample Info: LR71C

Volume Injected (uL): 1.0

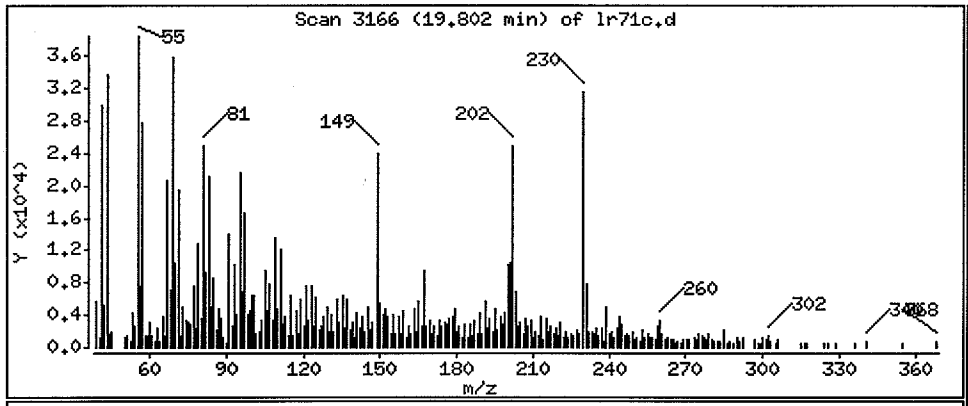
Operator: LJR/VTS

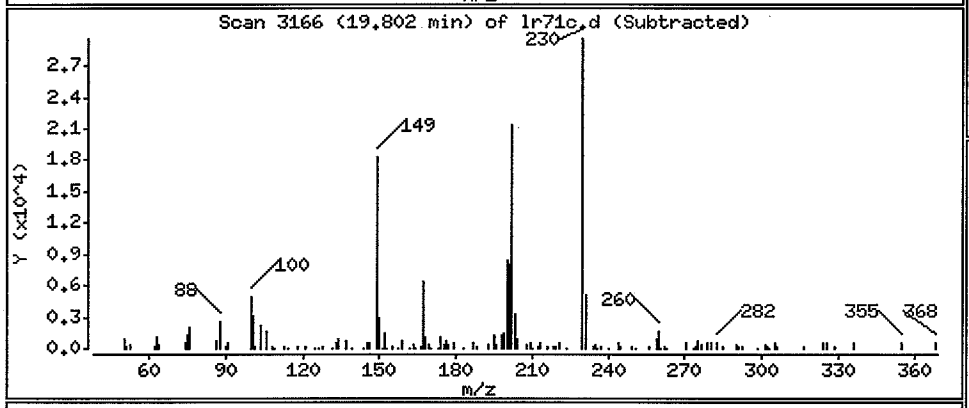
Column phase: ZB-5

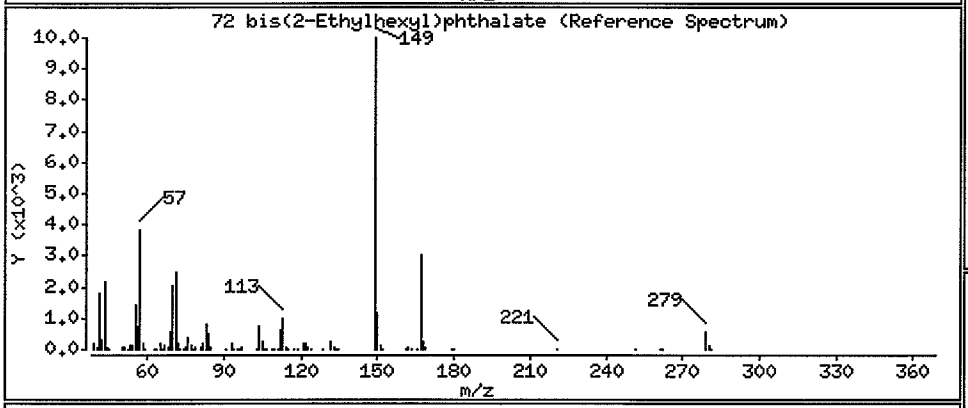
Column diameter: 0.32

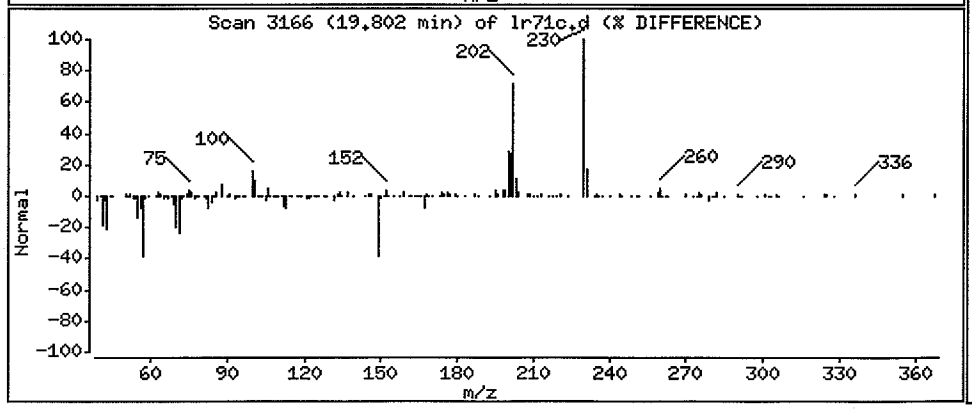
72 bis(2-Ethylhexyl)phthalate

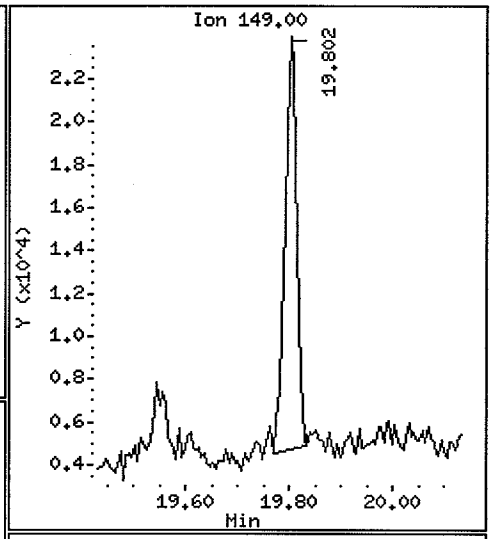
Concentration: 18.73 ug/kg

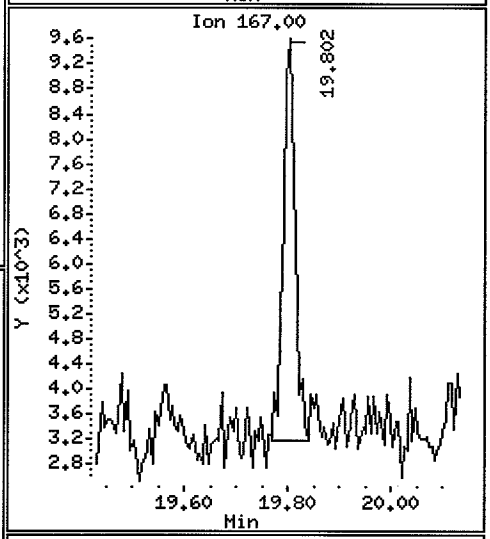


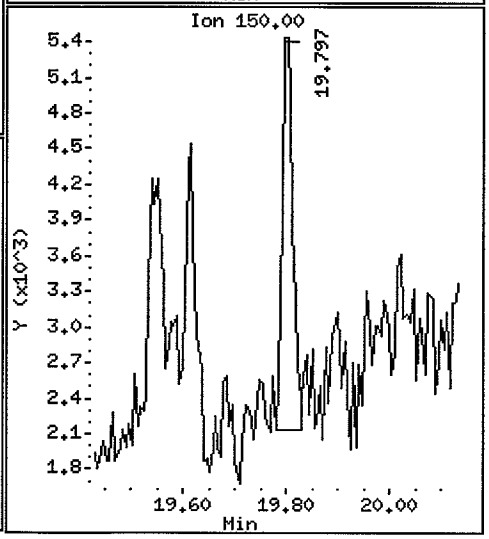












Data File: /chem1/nt6.i/20071018.b/lr71c.d

Date : 18-OCT-2007 15:47

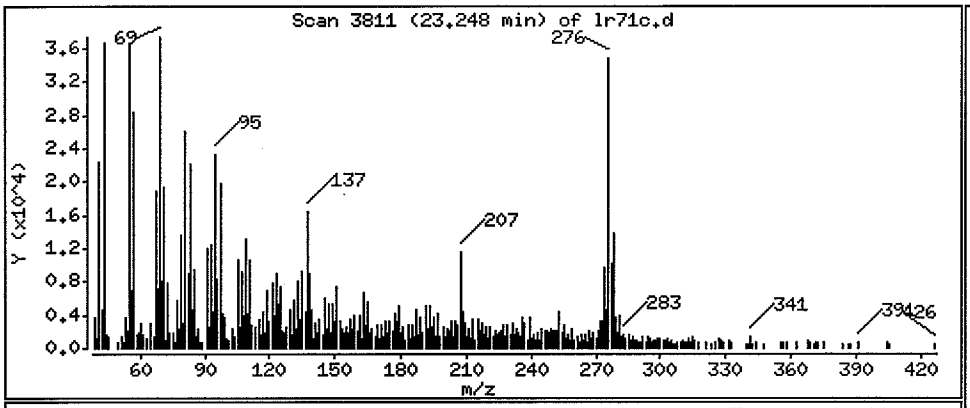
Client ID: AN-SS-03-070928 Instrument: nt6.i

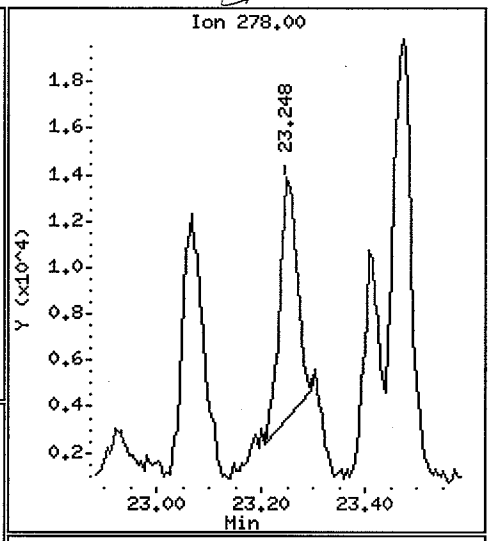
Sample Info: LR71C

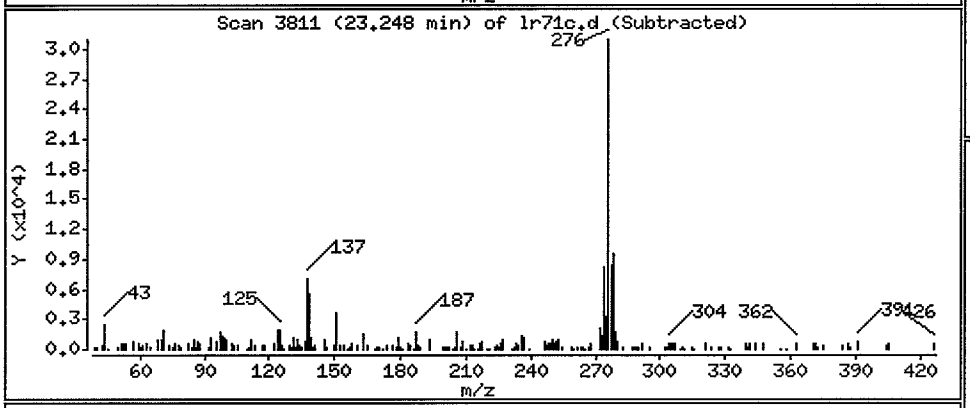
Volume Injected (uL): 1.0 Operator: LJR/VTS

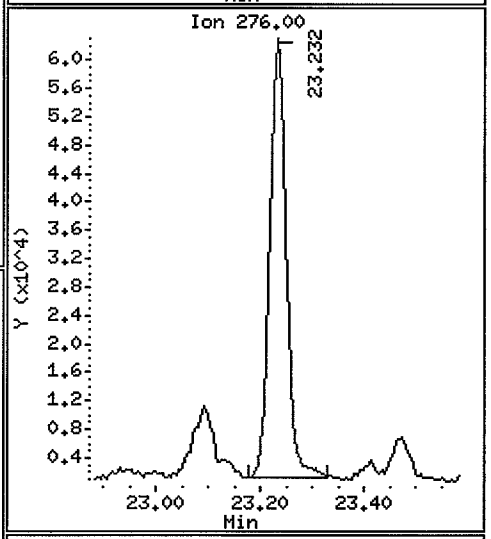
Column phase: ZB-5 Column diameter: 0.32

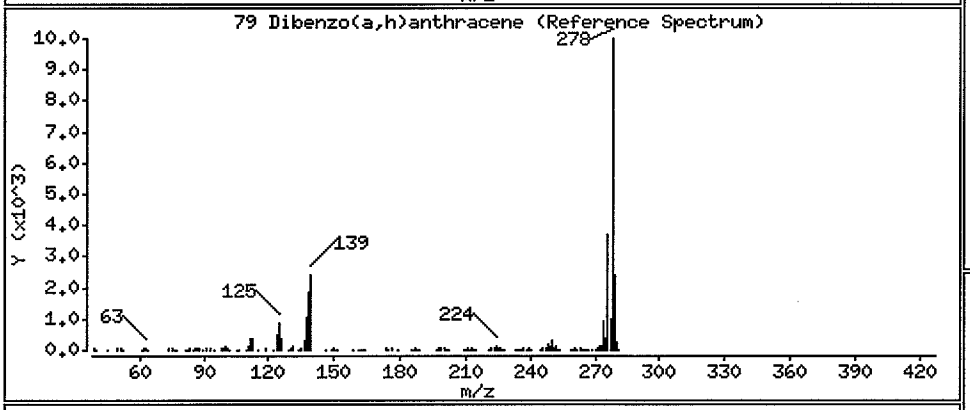
79 Dibenzo(a,h)anthracene Concentration: 10.66 ug/kg

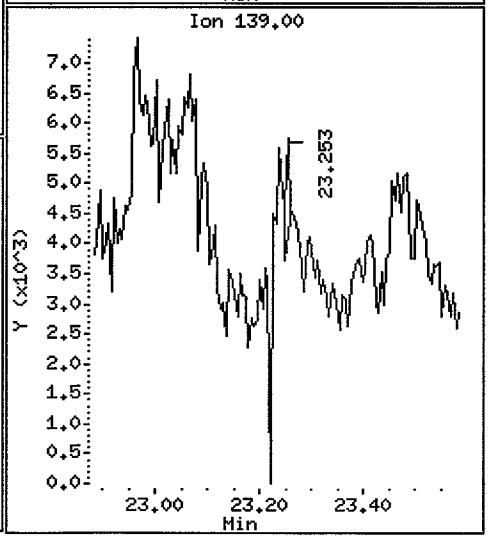


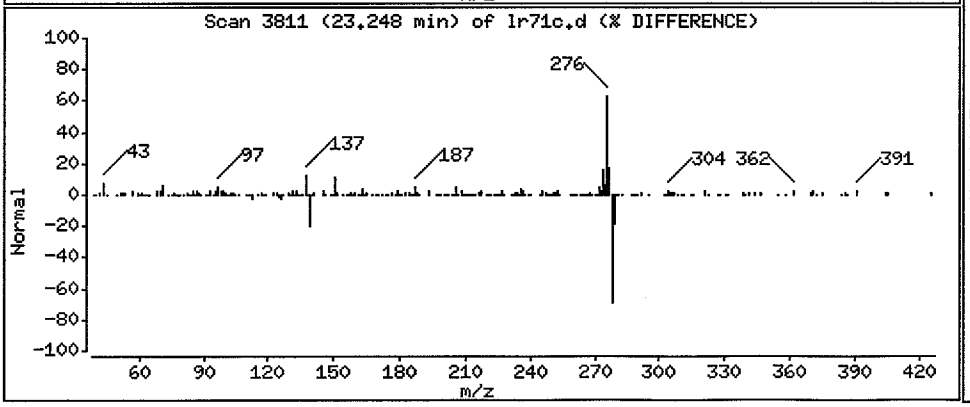












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-03-070928**
Page 1 of 2 **REEXTRACT**

Lab Sample ID: LR71C
LIMS ID: 07-20768
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 17:42
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 33.2%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**33**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**200**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	**Naphthalene**	**20**	**39**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**48**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**71**
129-00-0	**Pyrene**	**20**	**60**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**22**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**22**
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-03-070928**
 REEXTRACT

Lab Sample ID: LR71C QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20768 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 17:42

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	54.4%	2-Fluorobiphenyl	56.0%
d14-p-Terphenyl	53.6%	d4-1,2-Dichlorobenzene	51.2%
d5-Phenol	57.6%	2-Fluorophenol	45.6%
2,4,6-Tribromophenol	57.6%	d4-2-Chlorophenol	56.0%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071101.b/lr71c2.d
Lab Smp Id: LR71CRE
Inj Date : 01-NOV-2007 17:42
Operator : VTS Inst ID: nt4.i
Smp Info : LR71CRE
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt4.i/20071101.b/SW846.m
Meth Date : 02-Nov-2007 11:41 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 11:04 Cal File: 0801001.d
Als bottle: 8
Dil Factor: 1.00000
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	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% 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	4.854	4.748	(0.711)	238761	17.0753	341.5
$ 2 Phenol-d5	99	6.510	6.489	(0.954)	337389	21.5571	431.1
3 Phenol	94	6.531	6.505	(0.957)	31156	1.67618	33.52
$ 5 2-Chlorophenol-d4	132	6.542	6.521	(0.958)	243380	20.9639	419.3
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	6.825	6.820	(1.000)	165249	20.0000	
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	7.124	7.114	(1.044)	95795	12.8240	256.5
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	7.696	7.686	(1.128)	127784	10.2240	204.5
$	18 Nitrobenzene-d5	82	7.776	7.771	(0.877)	219316	13.6047	272.1
	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	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.871	8.872	(1.000)	611125	20.0000	
	28 Naphthalene	128	8.898	8.899	(1.003)	74090	1.97476	39.50
	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	10.677	10.677	(0.914)	306881	13.9733	279.5
	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	11.687	11.682	(1.000)	318065	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	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	12.579	12.585	(1.076)	13340	0.60105 LDL	12.02
	49 Fluorene	166	Compound Not Detected.					
	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	12.963	12.953	(1.109)	59194	21.6192	432.4
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.000	14.000	(1.000)	432391	20.0000	
	60 Phenanthrene	178	14.032	14.032	(1.002)	72990	2.44249	48.85
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
	63 Di-n-butylphthalate	149	Compound Not Detected.					
	64 Fluoranthene	202	15.934	15.923	(1.138)	115796	3.57908	71.58
	65 Pyrene	202	16.270	16.260	(0.892)	107885	3.02119	60.42
$	66 Terphenyl-d14	244	16.649	16.634	(0.913)	276701	13.4225	268.4
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	18.204	18.199	(0.999)	30551	0.92254 LDL	18.45
*	69 Chrysene-d12	240	18.231	18.221	(1.000)	445581	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	18.263	18.258	(1.002)	36346	1.11576	22.32
	72 bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
*	134 Di-n-octylphthalate-d4	153	19.513	19.503	(1.000)	622522	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	19.828	19.818	(0.975)	35349	1.09218	21.84
	75 Benzo(k)fluoranthene	252	19.849	19.850	(0.976)	26912	0.78712 LDL	15.74(M)
	76 Benzo(a)pyrene	252	20.255	20.245	(0.996)	21790	0.75597	15.12(M)
*	77 Perylene-d12	264	20.341	20.325	(1.000)	475370	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	21.671	21.661	(1.065)	19270	0.60823 LDL	12.16(M)
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	21.959	21.944	(1.080)	16389	0.57431	11.49(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	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: nt4.i
Lab File ID: lr71c2.d
Lab Smp Id: LR71CRE
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

Calibration Date: 01-NOV-2007
Calibration Time: 14:35

Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	145384	72692	290768	165249	13.66
27 Naphthalene-d8	530525	265262	1061050	611125	15.19
42 Acenaphthene-d10	280701	140350	561402	318065	13.31
59 Phenanthrene-d10	391934	195967	783868	432391	10.32
69 Chrysene-d12	354658	177329	709316	445581	25.64
134 Di-n-octylphthala	506314	253157	1012628	622522	22.95
77 Perylene-d12	400782	200391	801564	475370	18.61

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.82	6.32	7.32	6.83	0.07
27 Naphthalene-d8	8.87	8.37	9.37	8.87	-0.01
42 Acenaphthene-d10	11.68	11.18	12.18	11.69	0.04
59 Phenanthrene-d10	14.00	13.50	14.50	14.00	0.00
69 Chrysene-d12	18.22	17.72	18.72	18.23	0.06
134 Di-n-octylphthala	19.50	19.00	20.00	19.51	0.05
77 Perylene-d12	20.33	19.83	20.83	20.34	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.

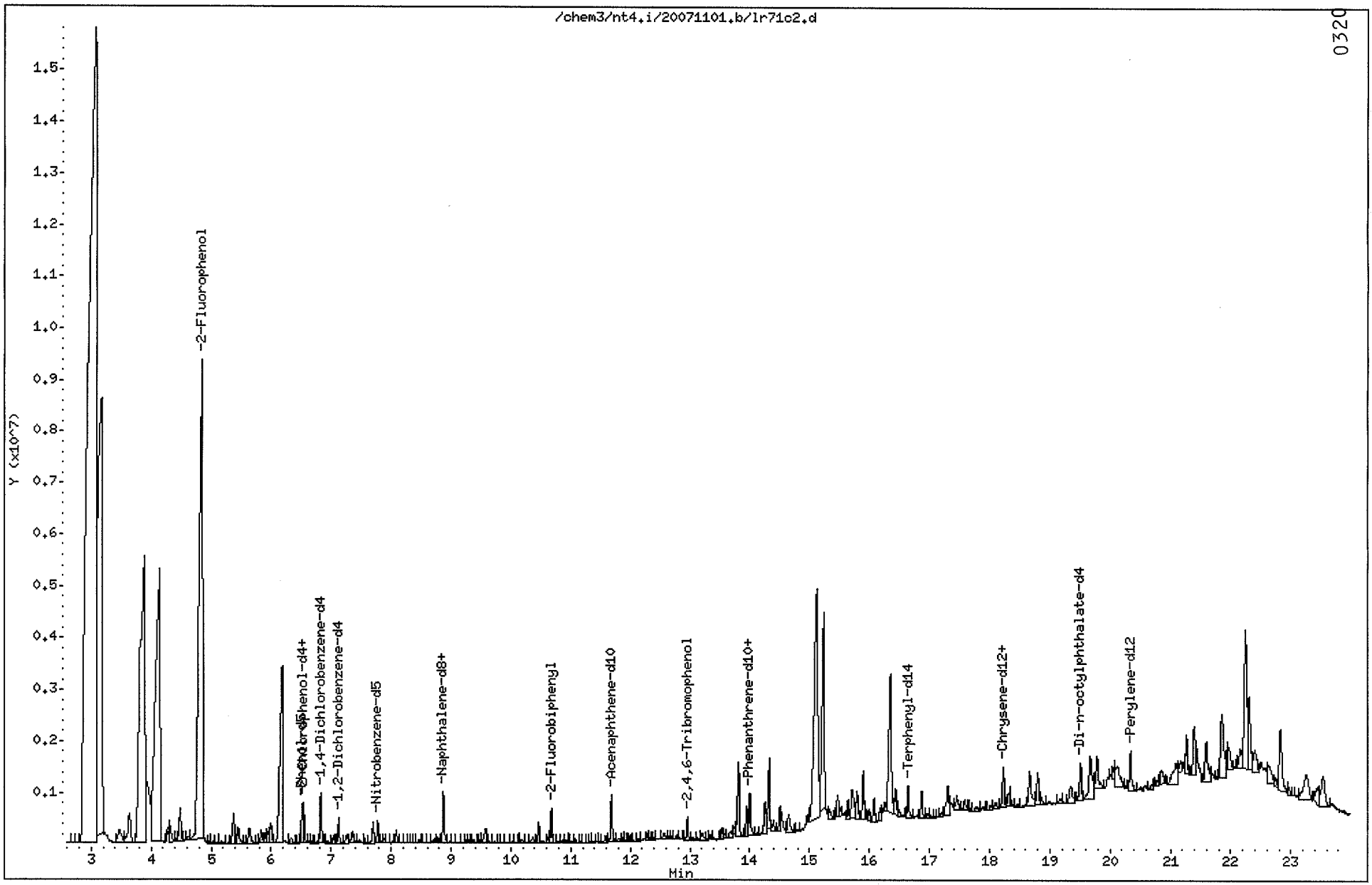
RECOVERY REPORT

Client Name: Client SDG: 20071101
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: LR71CRE
Level: LOW Operator: VTS
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: PSDDALCS.spk Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

	SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1	2-Fluorophenol	750.0	341.5	45.53	11-84
$ 2	Phenol-d5	750.0	431.1	57.49	25-86
$ 5	2-Chlorophenol-d4	750.0	419.3	55.90	23-91
$ 10	1,2-Dichlorobenzen	500.0	256.5	51.30	24-90
$ 18	Nitrobenzene-d5	500.0	272.1	54.42	26-88
$ 36	2-Fluorobiphenyl	500.0	279.5	55.89	34-91
$ 55	2,4,6-Tribromophen	750.0	432.4	57.65	25-107
$ 66	Terphenyl-d14	500.0	268.4	53.69	22-100

Data File: /chem3/nt4.i/20071101.b/lr71c2.d
Date : 01-NOV-2007 17:42
Client ID:
Sample Info: LR71CRE
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt4.i
Operator: VTS
Column diameter: 0.32



Data File: /chem3/nt4.i/20071101.b/lr71c2.d

Date : 01-NOV-2007 17:42

Client ID:

Instrument: nt4.i

Sample Info: LR71CRE

Volume Injected (uL): 1.0

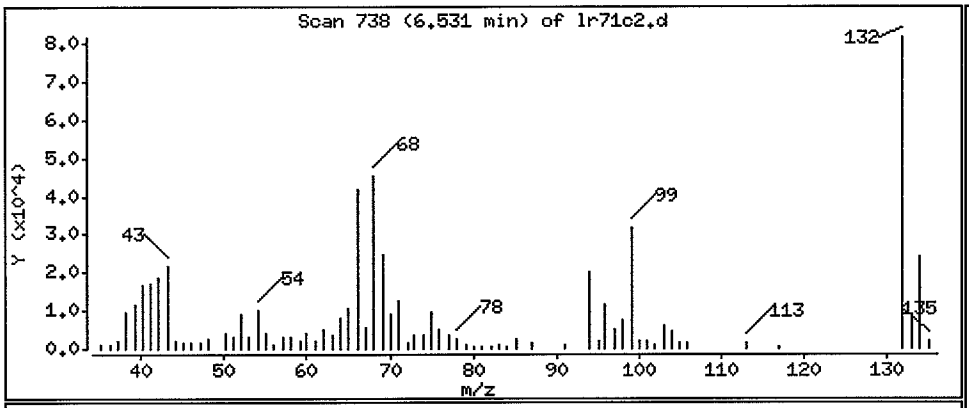
Operator: VTS

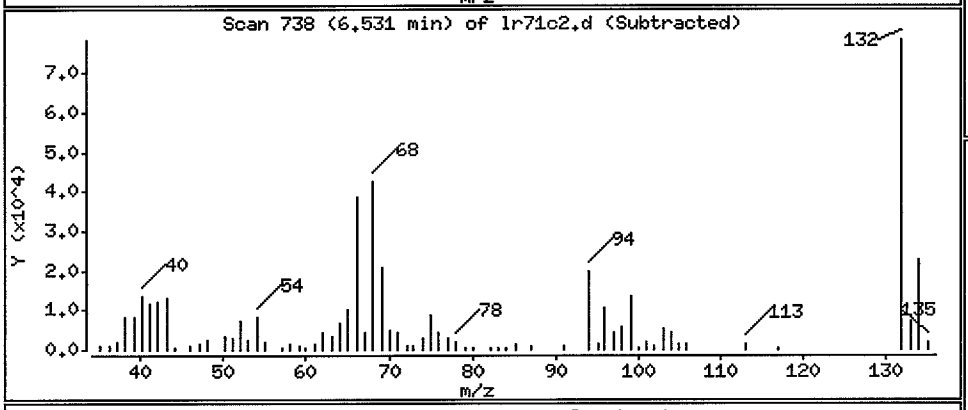
Column phase: ZB-5

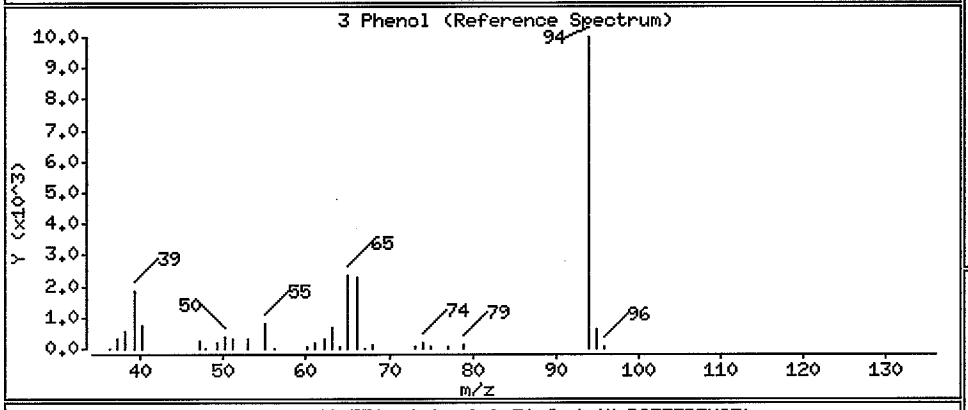
Column diameter: 0.32

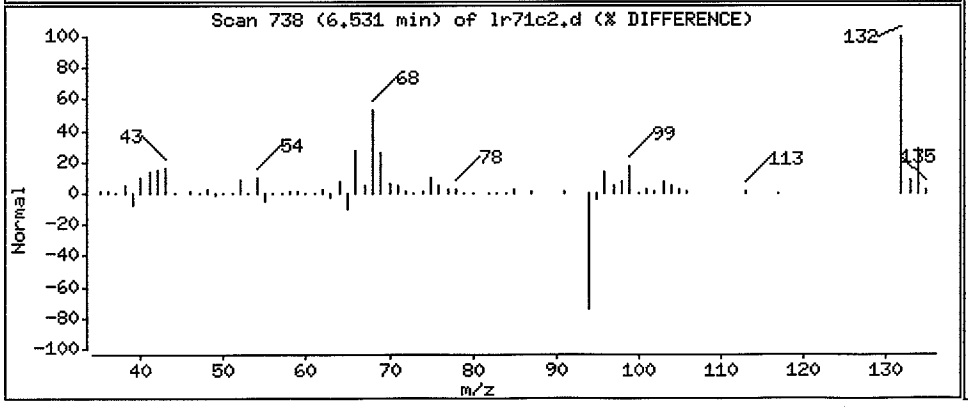
3 Phenol

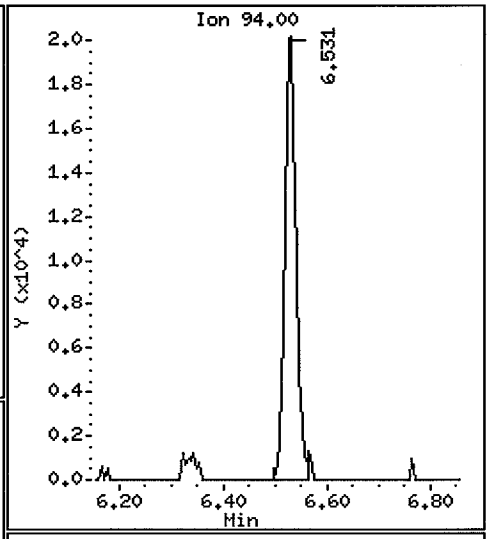
Concentration: 33.52 ug/Kg

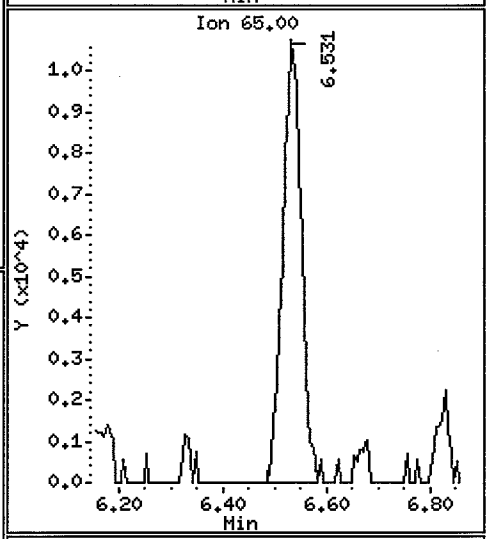


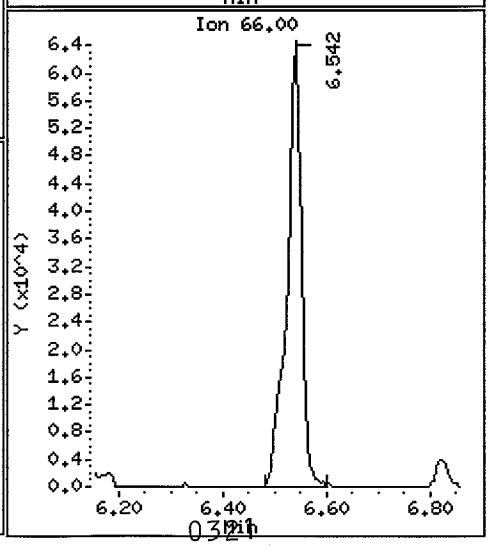












Data File: /chem3/nt4.i/20071101.b/lr71c2.d

Date : 01-NOV-2007 17:42

Client ID:

Instrument: nt4.i

Sample Info: LR71CRE

Volume Injected (uL): 1.0

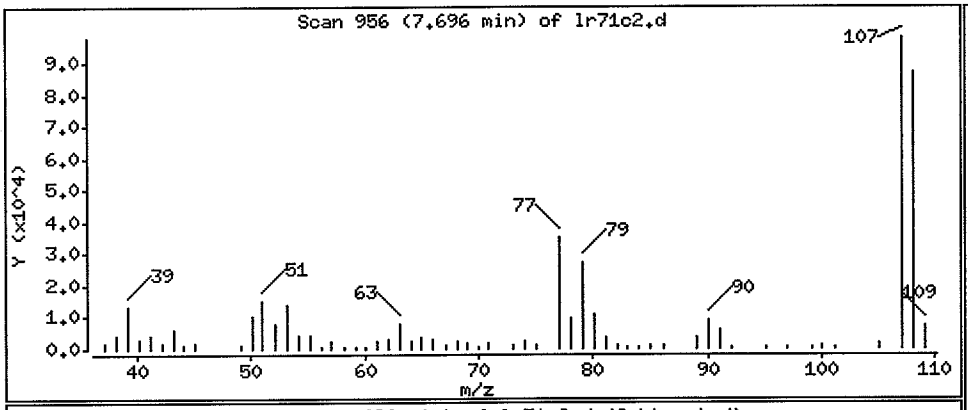
Operator: VTS

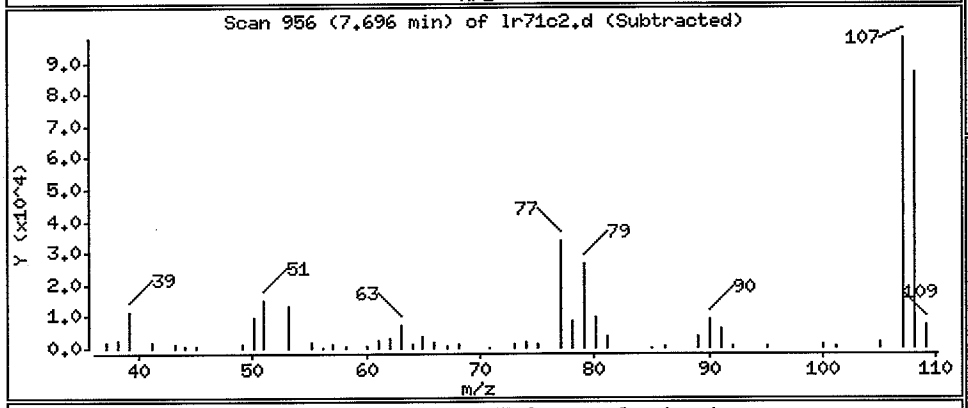
Column phase: ZB-5

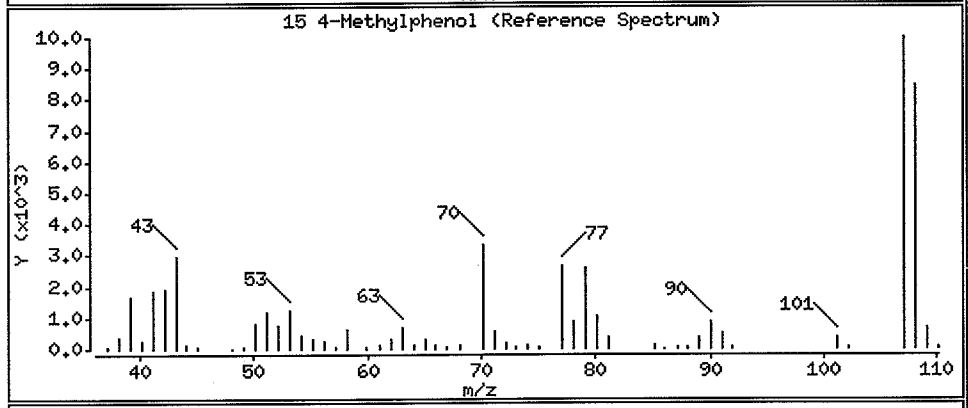
Column diameter: 0.32

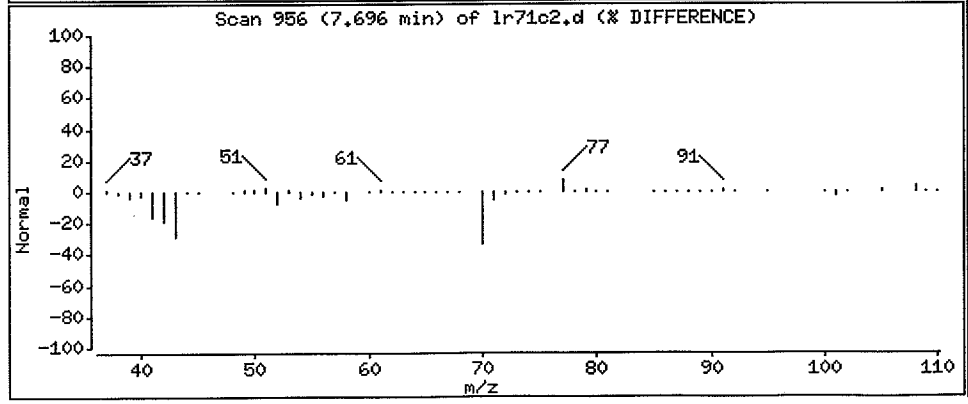
15 4-Methylphenol

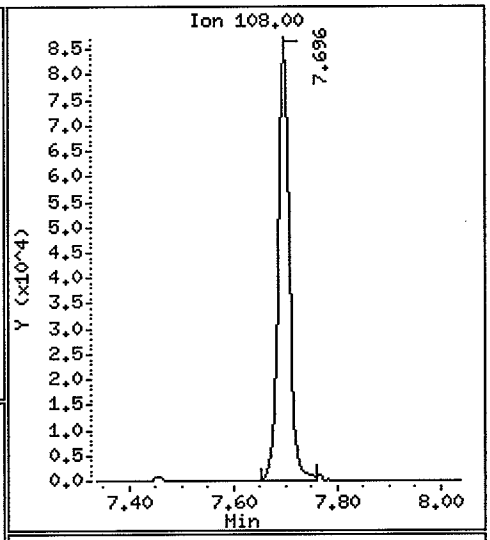
Concentration: 204.5 ug/Kg

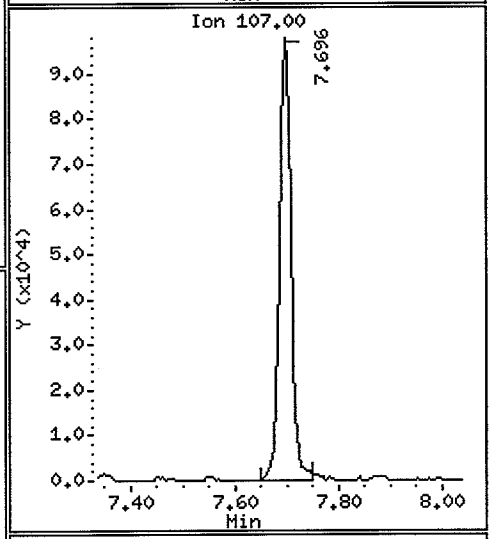


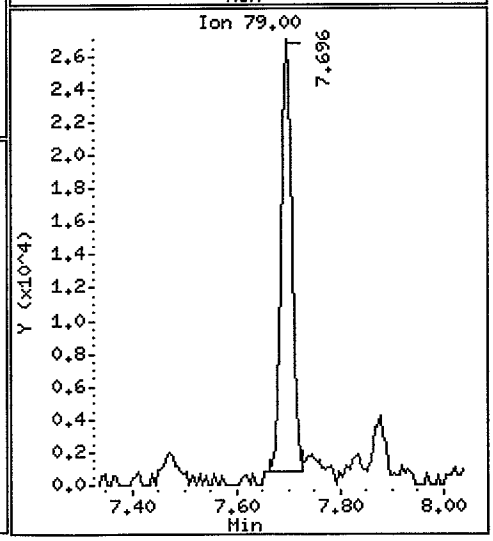












Data File: /chem3/nt4.i/20071101.b/lr71c2.d

Date : 01-NOV-2007 17:42

Client ID:

Instrument: nt4.i

Sample Info: LR71CRE

Volume Injected (uL): 1.0

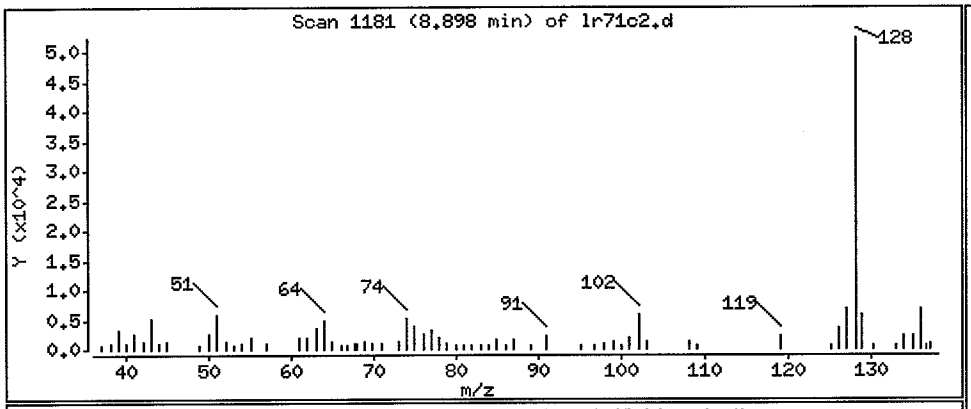
Operator: VTS

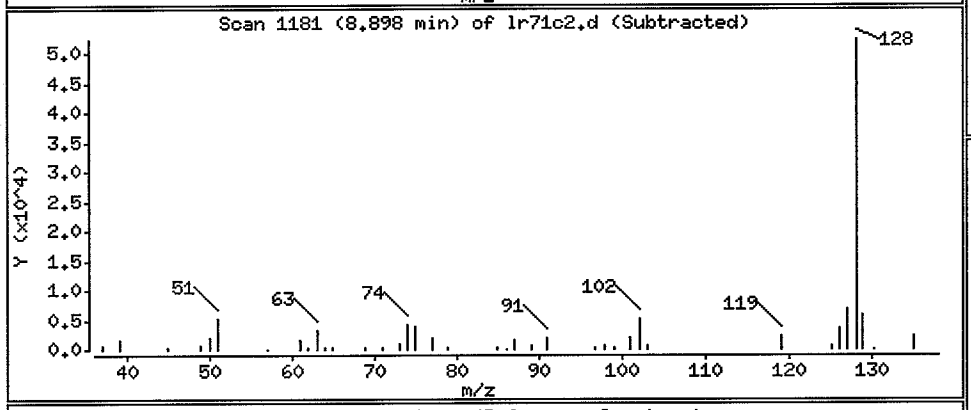
Column phase: ZB-5

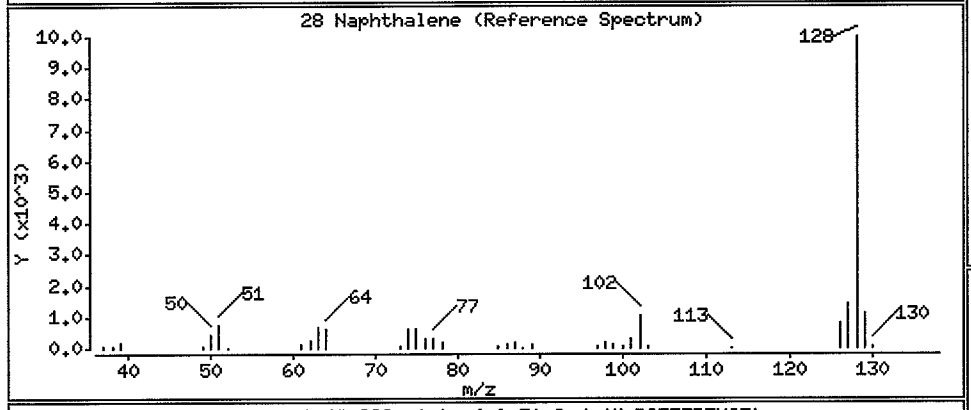
Column diameter: 0.32

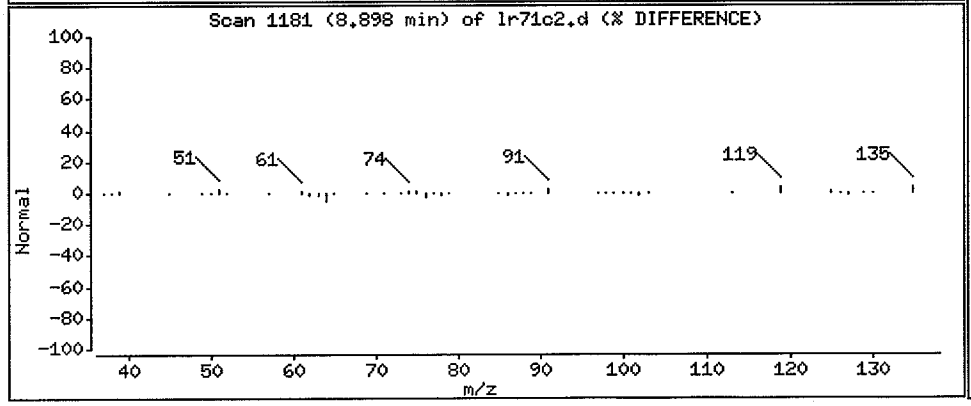
28 Naphthalene

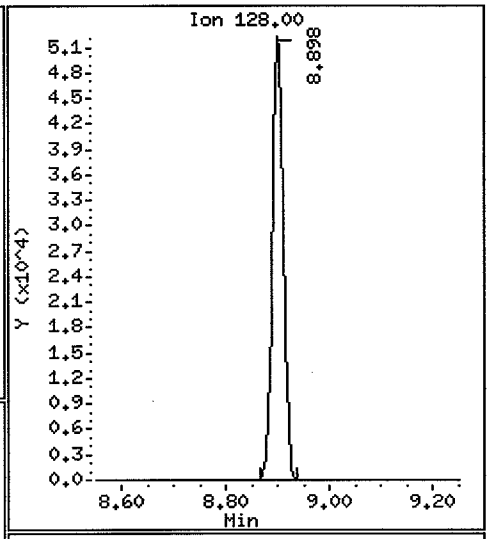
Concentration: 39.50 ug/Kg

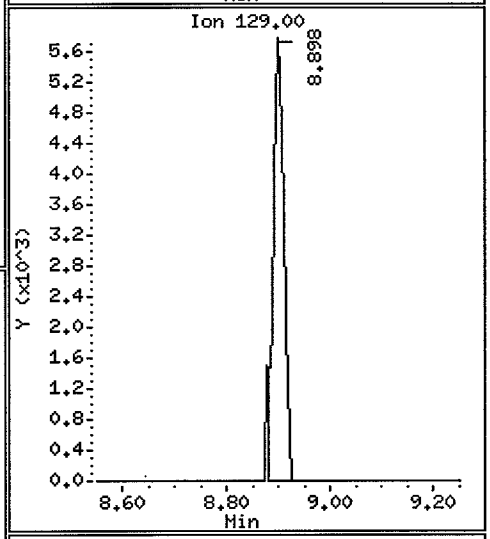


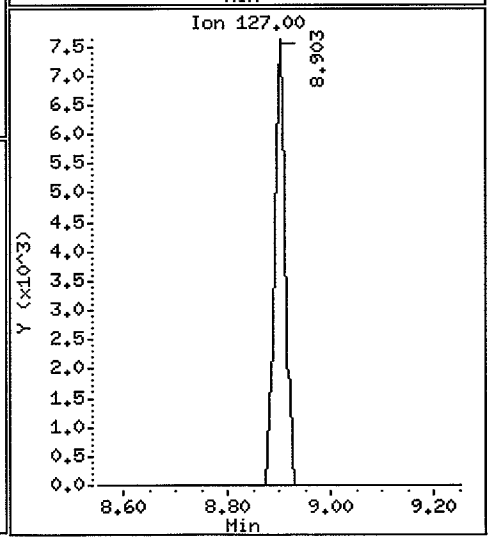












Data File: /chem3/nt4.i/20071101.b/lr71c2.d

Date : 01-NOV-2007 17:42

Client ID:

Instrument: nt4.i

Sample Info: LR71CRE

Volume Injected (uL): 1.0

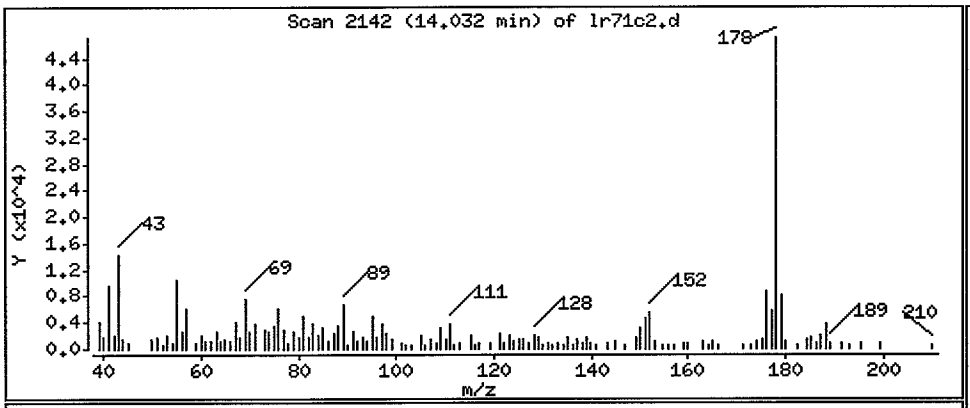
Operator: VTS

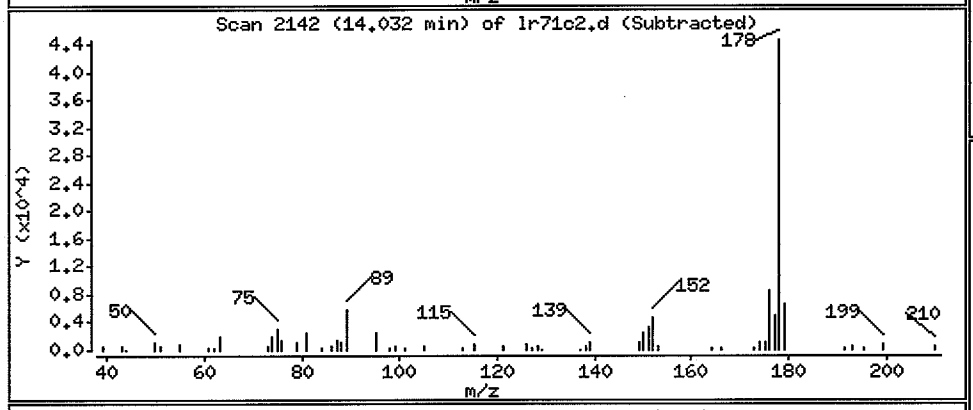
Column phase: ZB-5

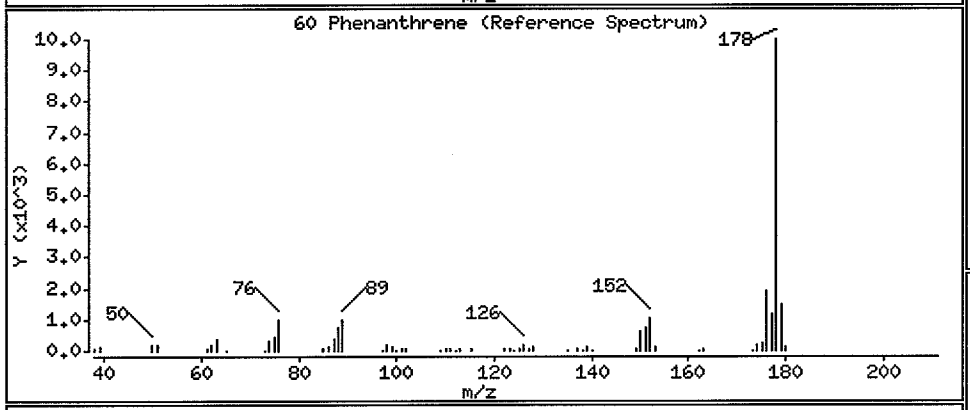
Column diameter: 0.32

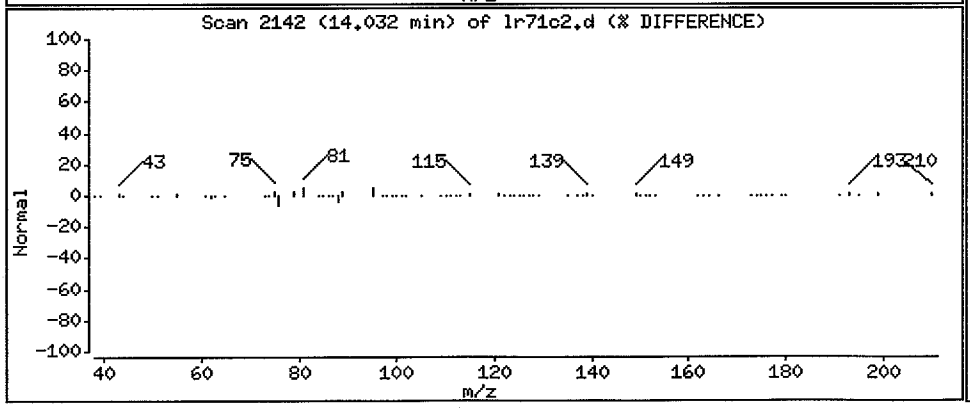
60 Phenanthrene

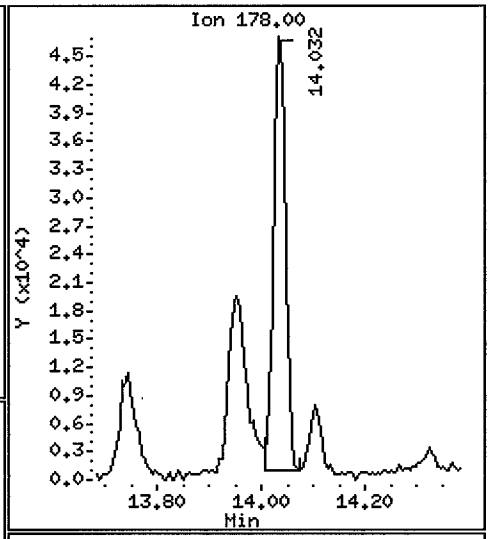
Concentration: 48.85 ug/Kg

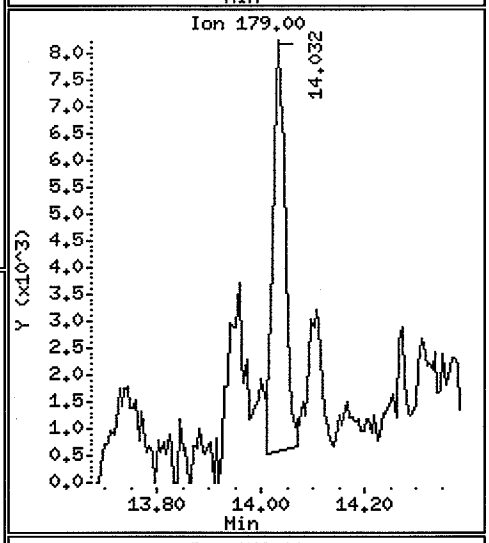


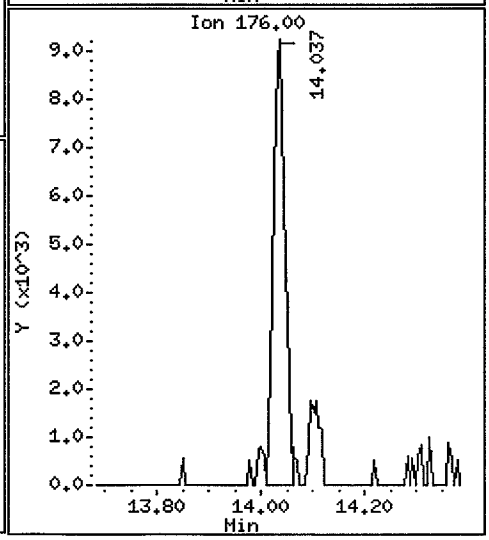












Data File: /chem3/nt4.i/20071101.b/lr71c2.d

Date : 01-NOV-2007 17:42

Client ID:

Instrument: nt4.i

Sample Info: LR71CRE

Volume Injected (uL): 1.0

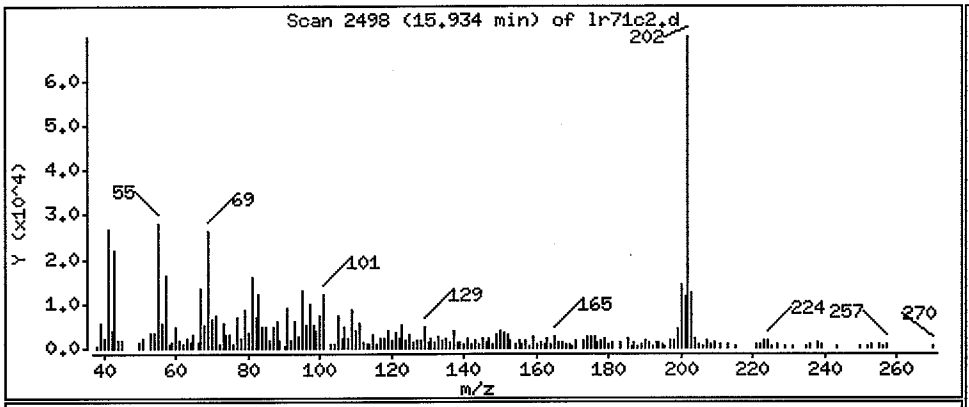
Operator: VTS

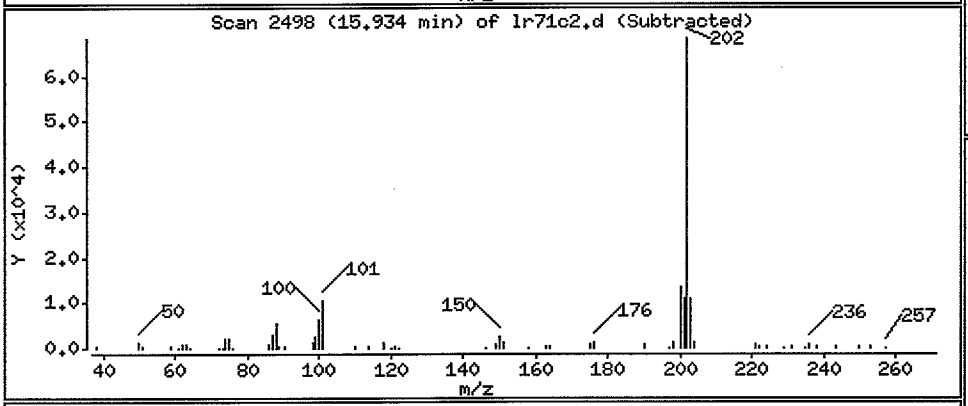
Column phase: ZB-5

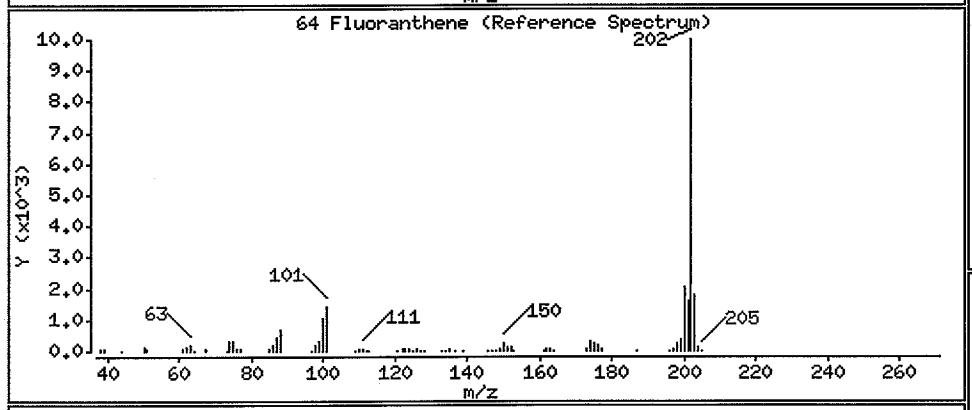
Column diameter: 0.32

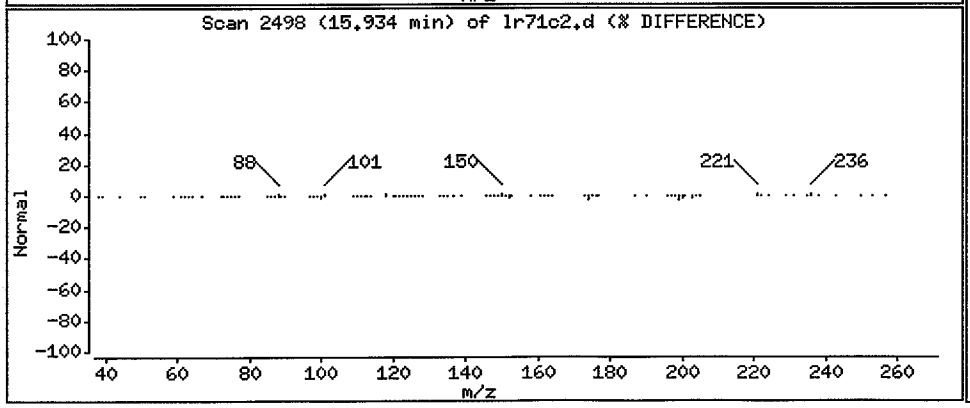
64 Fluoranthene

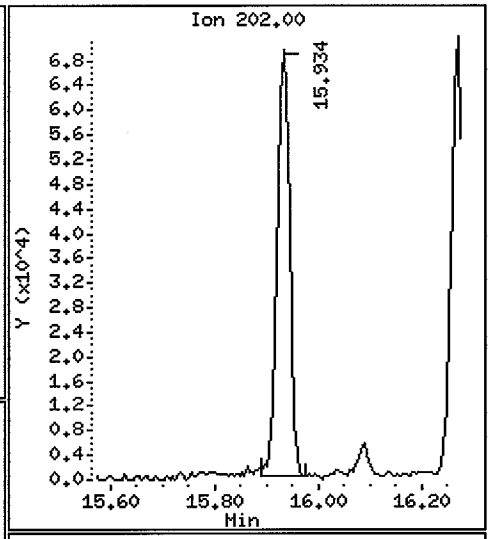
Concentration: 71.58 ug/Kg

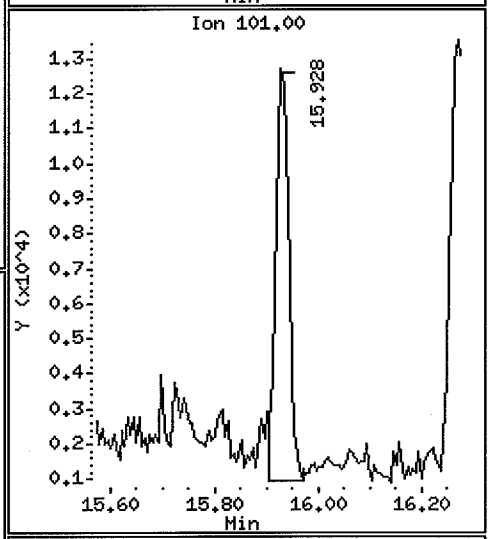


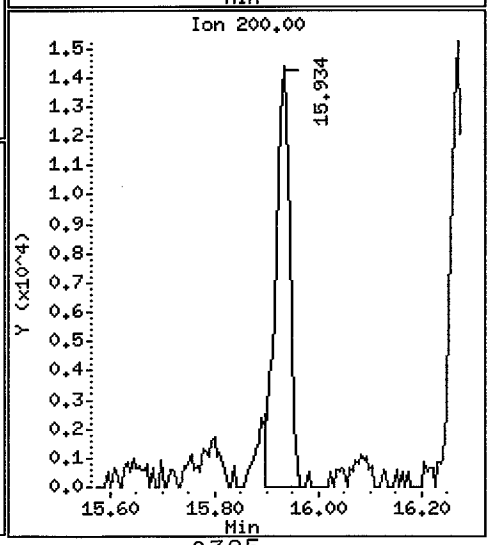












Data File: /chem3/nt4.i/20071101.b/lr71c2.d

Date : 01-NOV-2007 17:42

Client ID:

Instrument: nt4.i

Sample Info: LR71CRE

Volume Injected (uL): 1.0

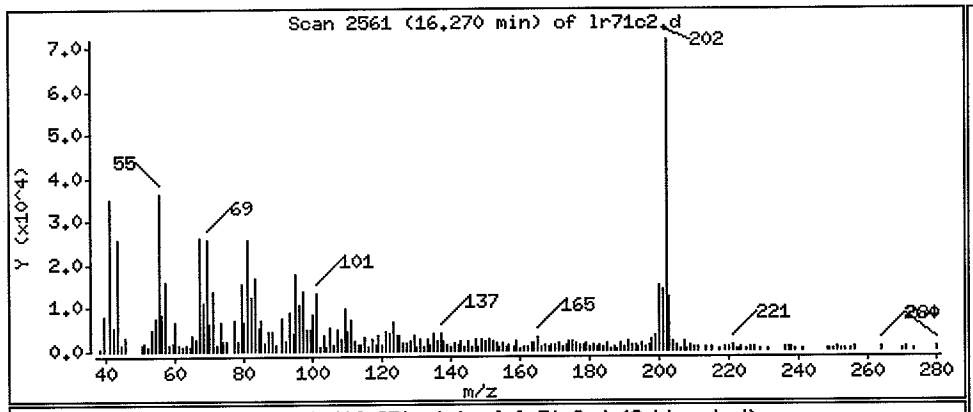
Operator: VTS

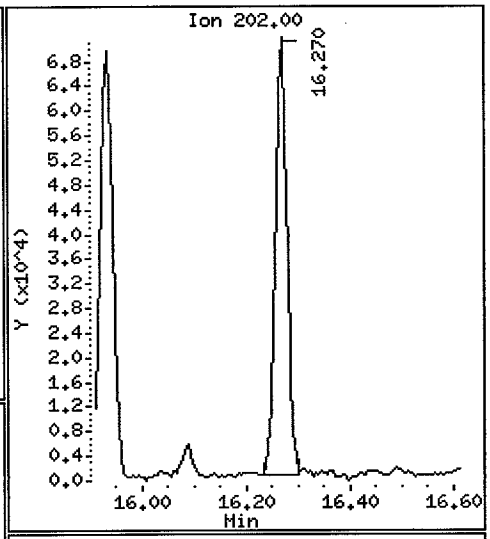
Column phase: ZB-5

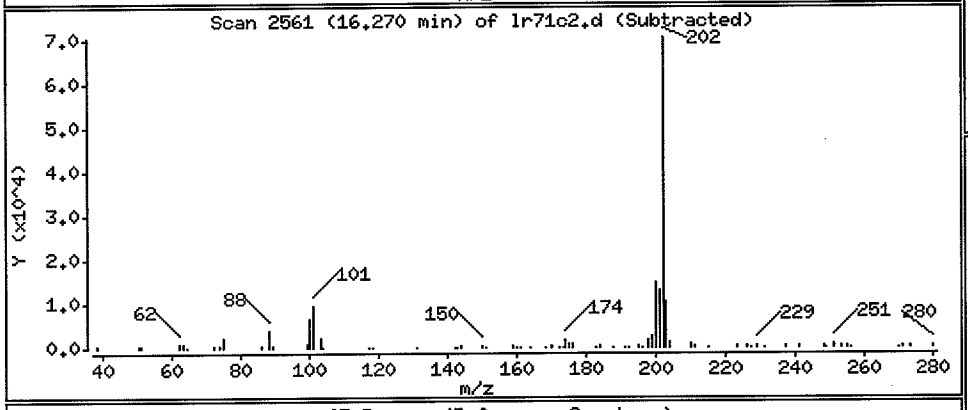
Column diameter: 0.32

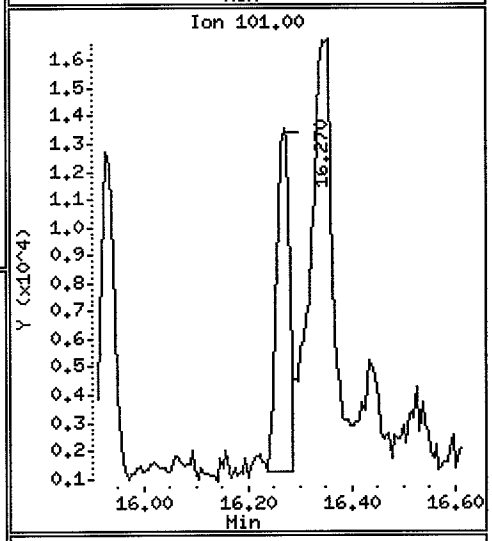
65 Pyrene

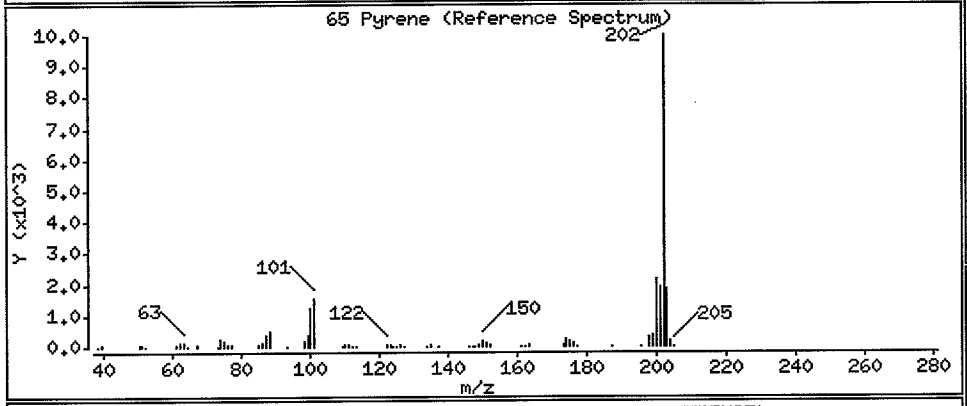
Concentration: 60.42 ug/Kg

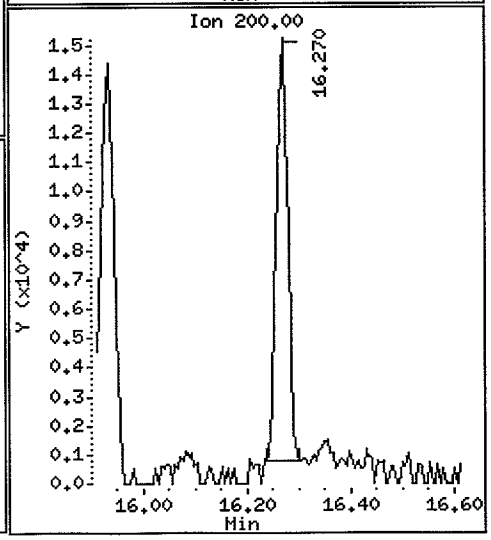


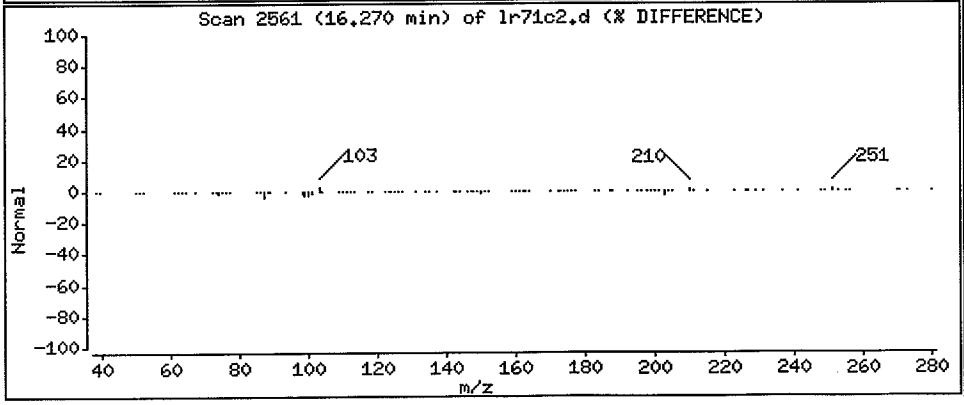












Data File: /chem3/nt4.i/20071101.b/lr71c2.d

Date : 01-NOV-2007 17:42

Client ID:

Instrument: nt4.i

Sample Info: LR71CRE

Volume Injected (uL): 1.0

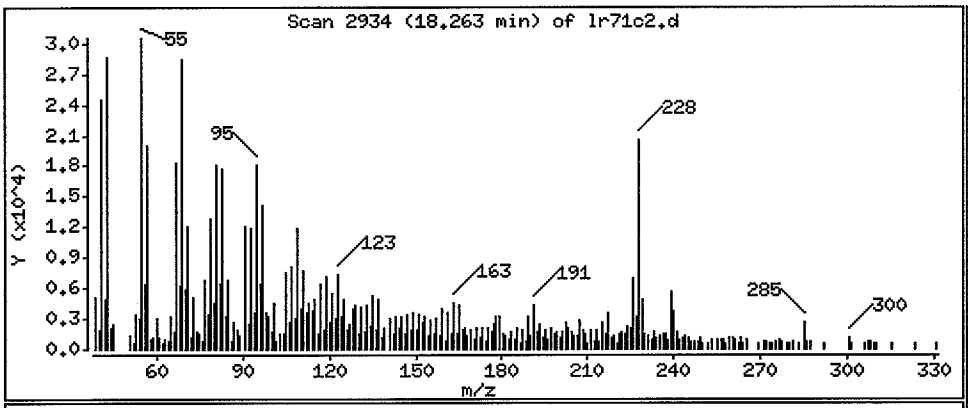
Operator: VTS

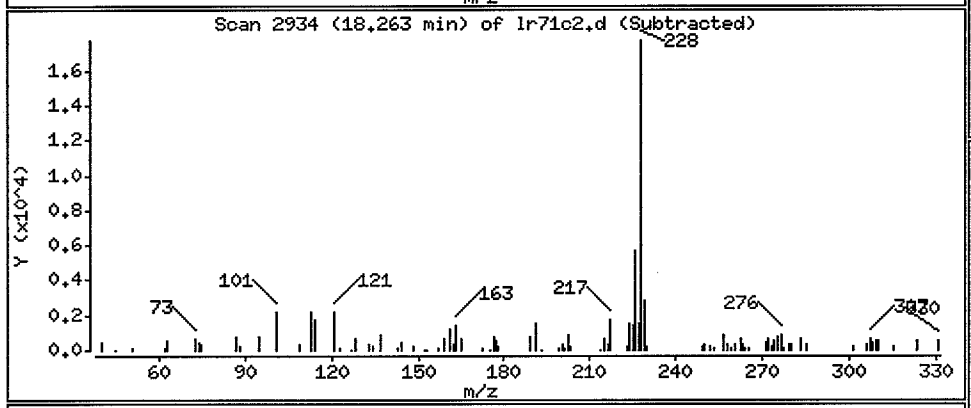
Column phase: ZB-5

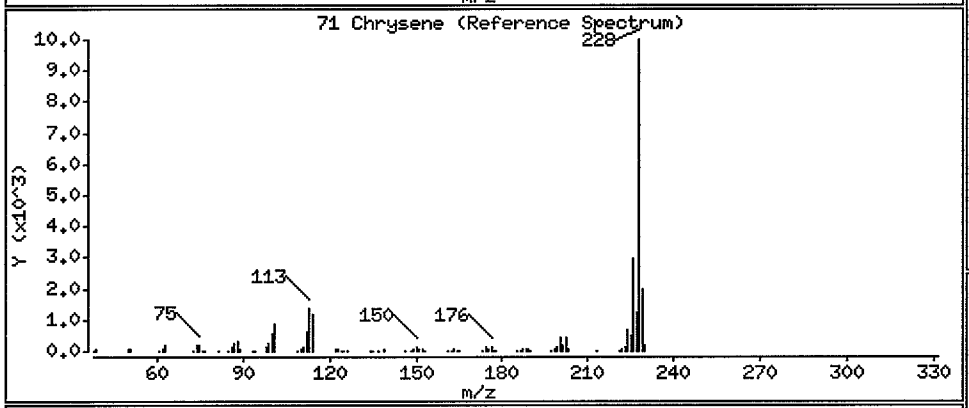
Column diameter: 0.32

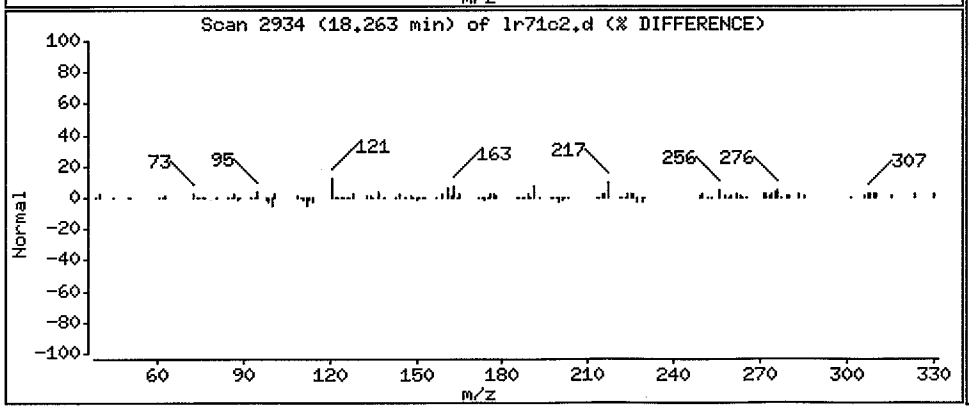
71 Chrysene

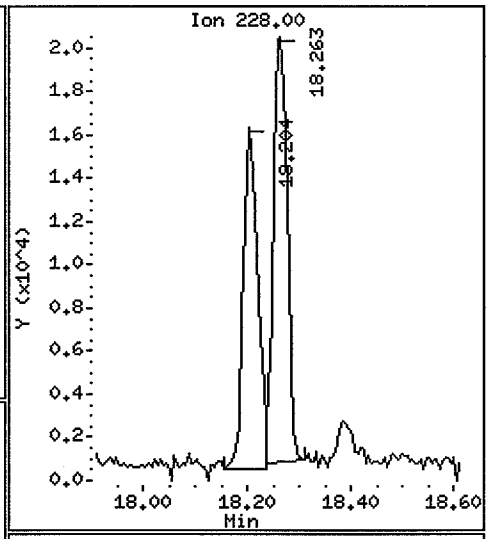
Concentration: 22.32 ug/Kg

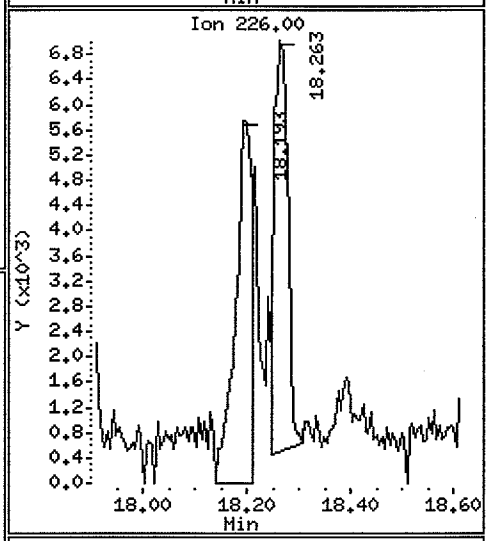


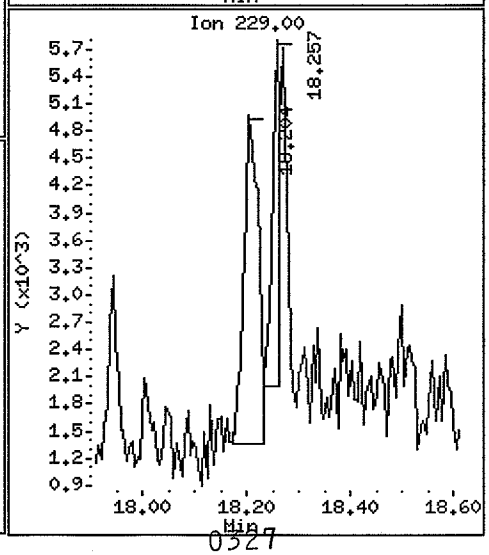












Data File: /chem3/nt4.i/20071101.b/lr71c2.d

Date : 01-NOV-2007 17:42

Client ID:

Instrument: nt4.i

Sample Info: LR71CRE

Volume Injected (uL): 1.0

Operator: VTS

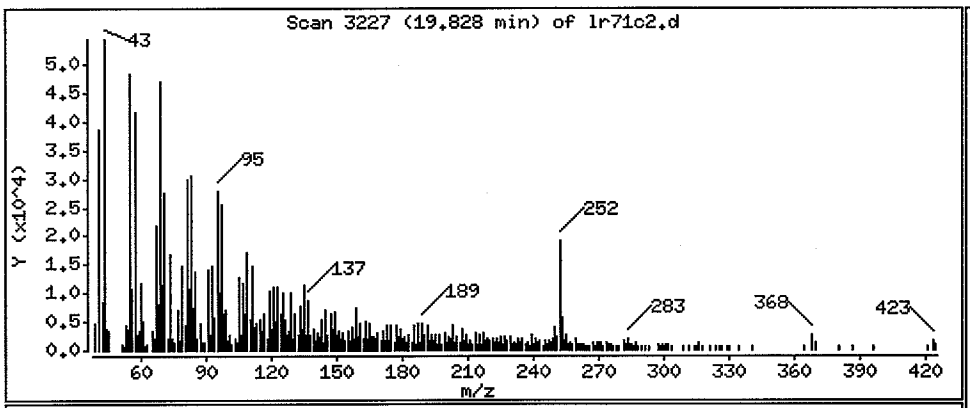
Column phase: ZB-5

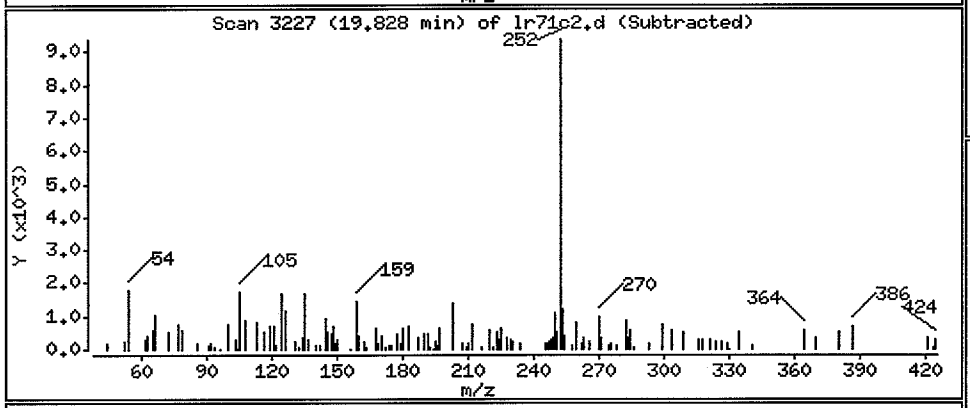
Column diameter: 0.32

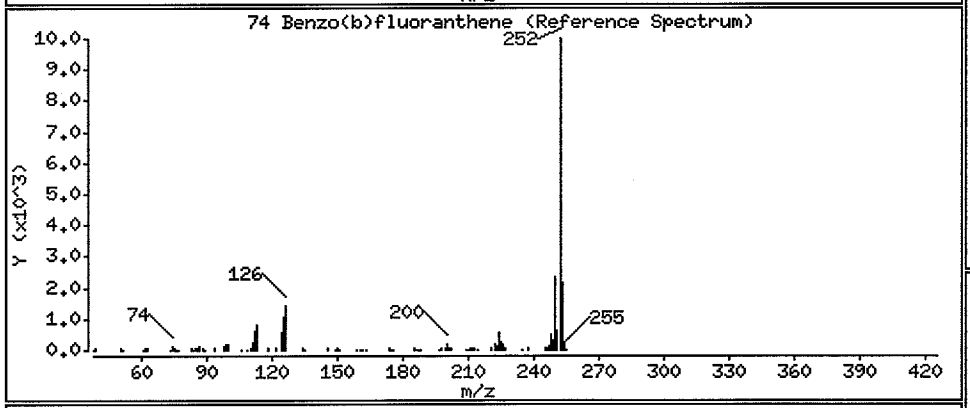
11/2/07

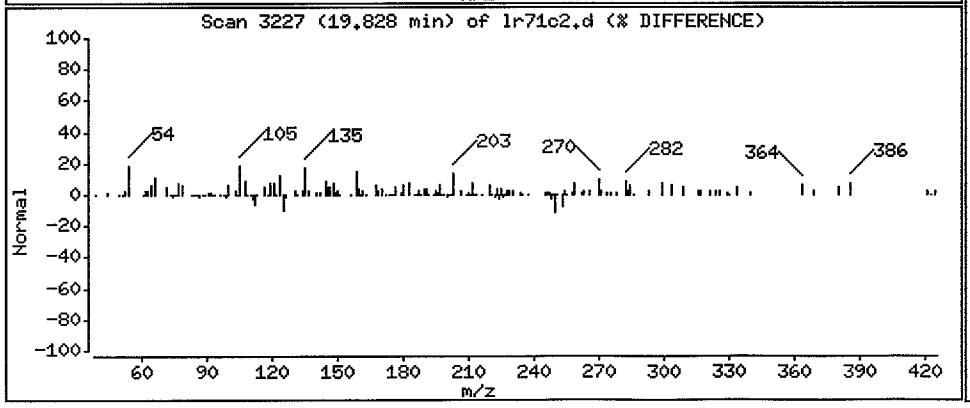
74 Benzo(b)fluoranthene

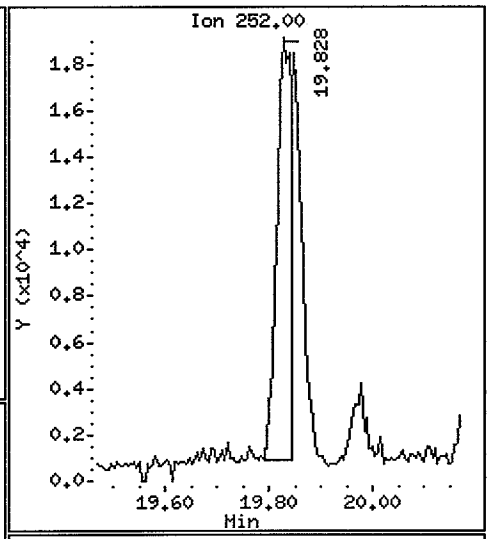
Concentration: 21.84 ug/Kg

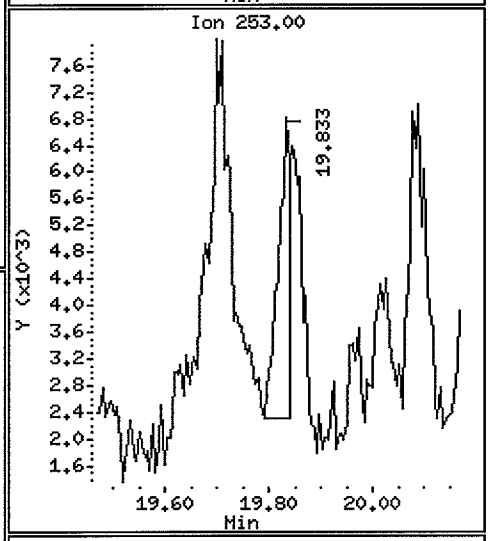


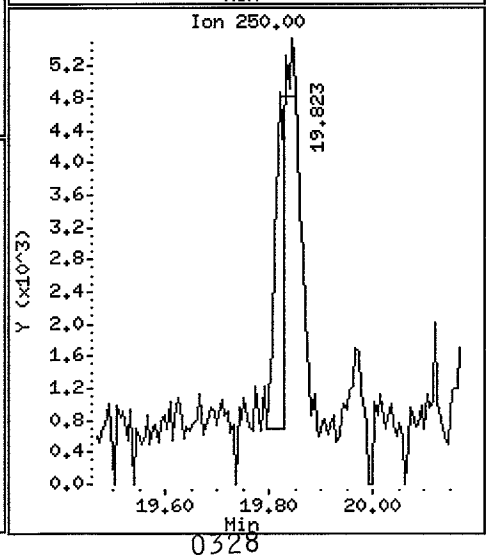












Data File: /chem3/nt4.i/20071101.b/lr71c2.d

Date : 01-NOV-2007 17:42

Client ID:

Instrument: nt4.i

Sample Info: LR71CRE

Volume Injected (uL): 1.0

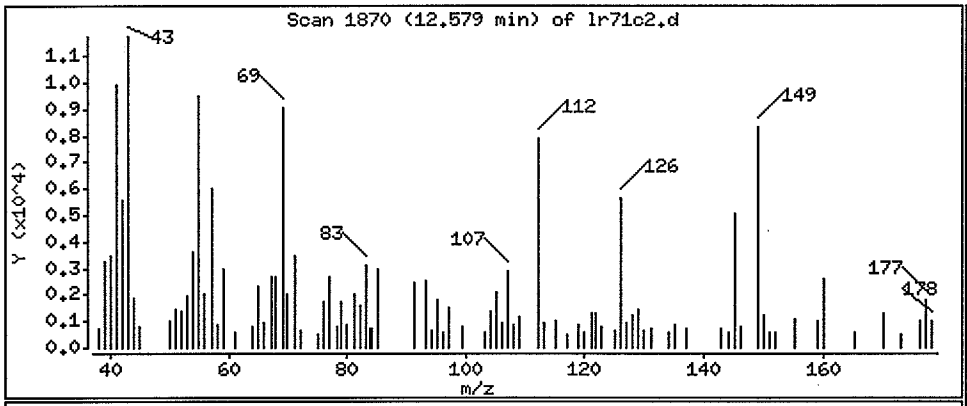
Operator: VTS

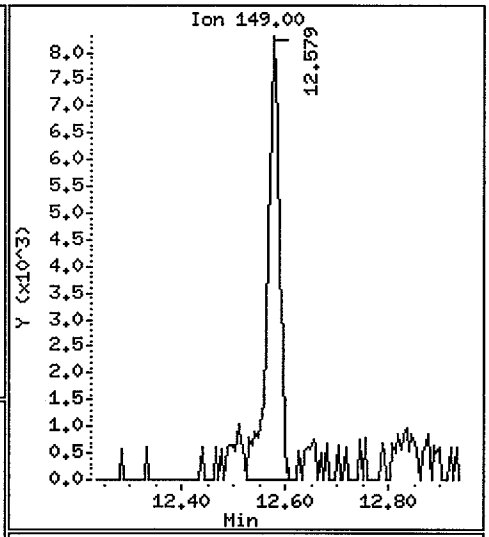
Column phase: ZB-5

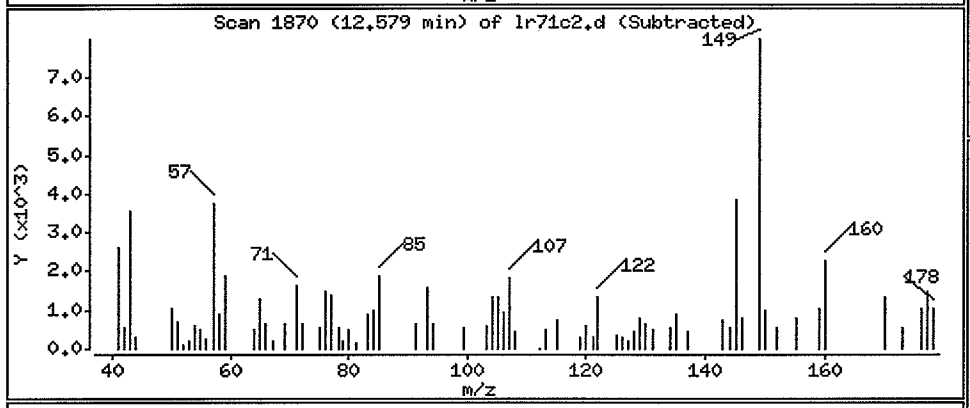
Column diameter: 0.32

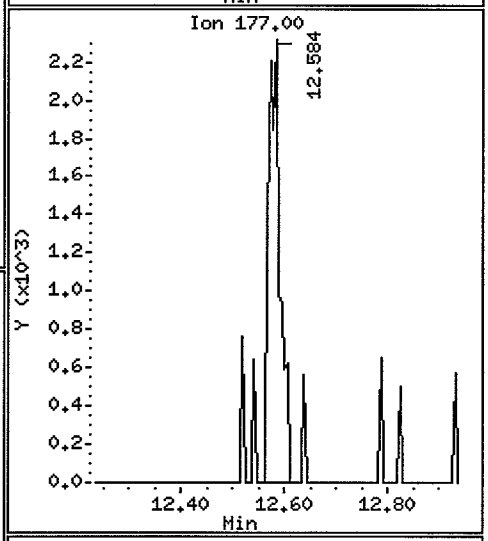
50 Diethylphthalate

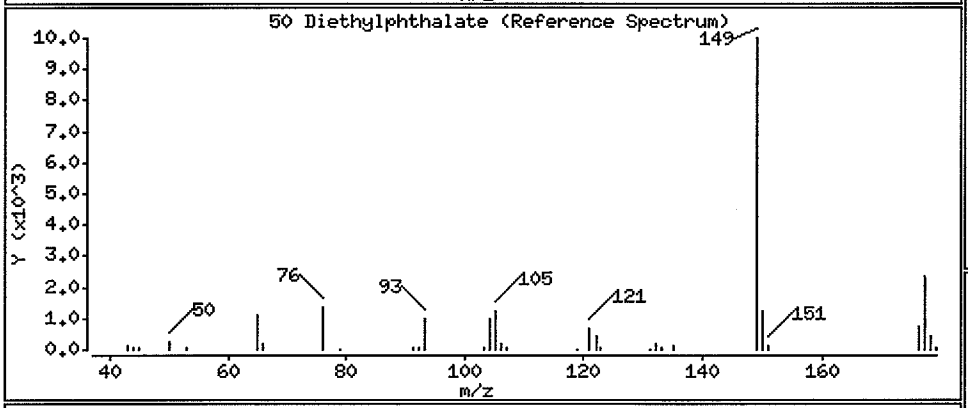
Concentration: 12.02 ug/Kg

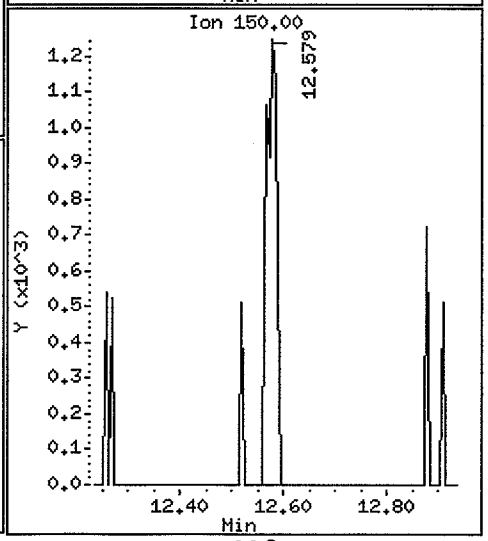


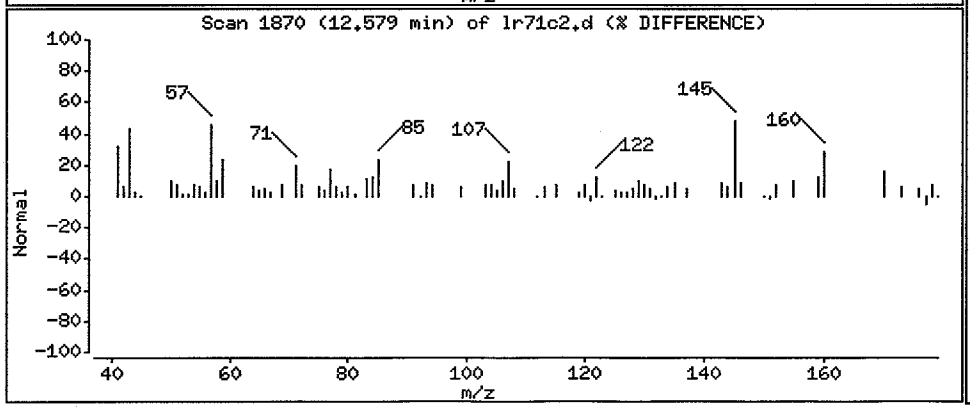












Data File: /chem3/nt4.i/20071101.b/lr71c2.d

Date : 01-NOV-2007 17:42

Client ID:

Instrument: nt4.i

Sample Info: LR71CRE

Volume Injected (uL): 1.0

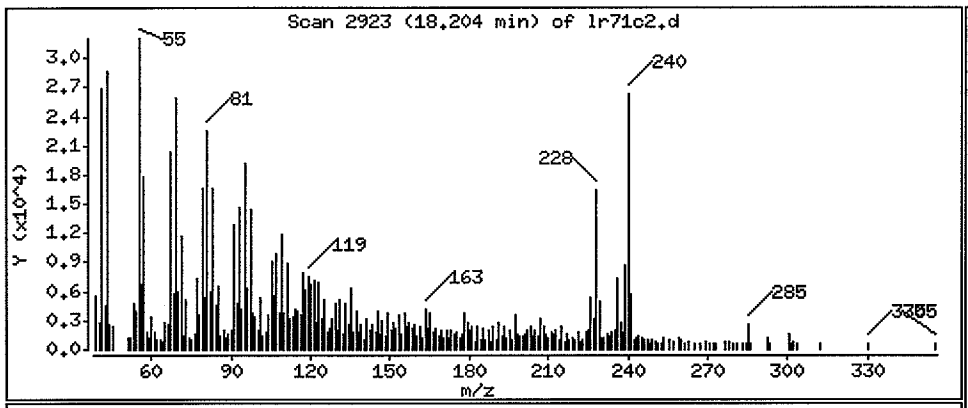
Operator: VTS

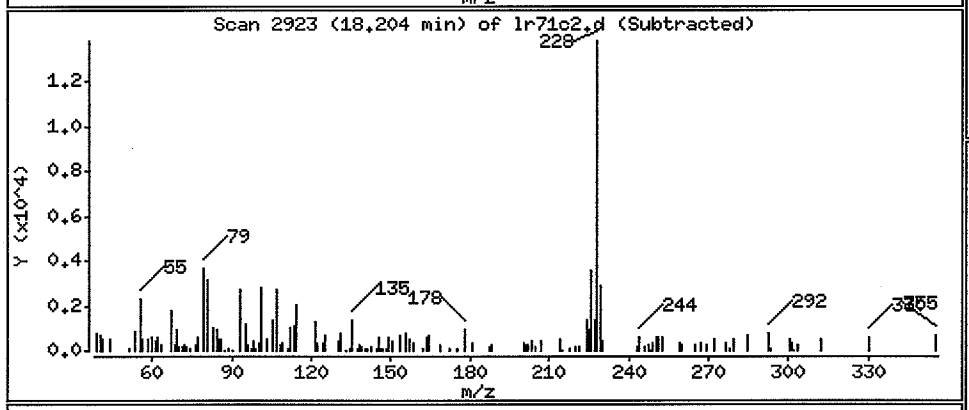
Column phase: ZB-5

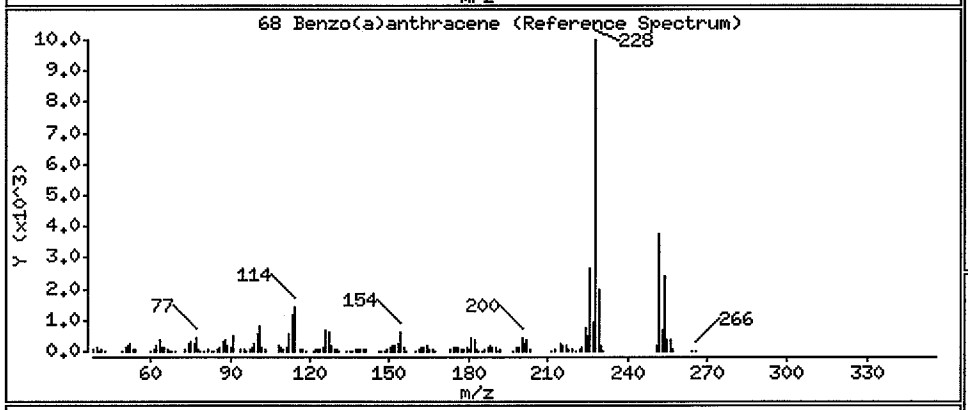
Column diameter: 0.32

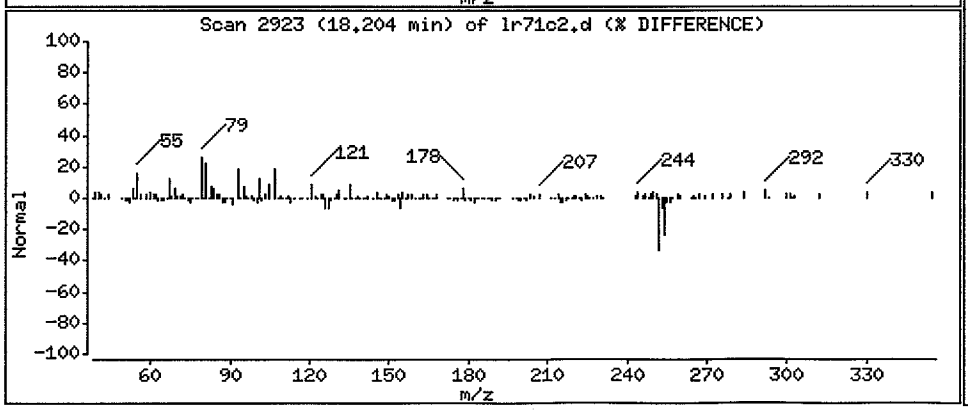
68 Benzo(a)anthracene

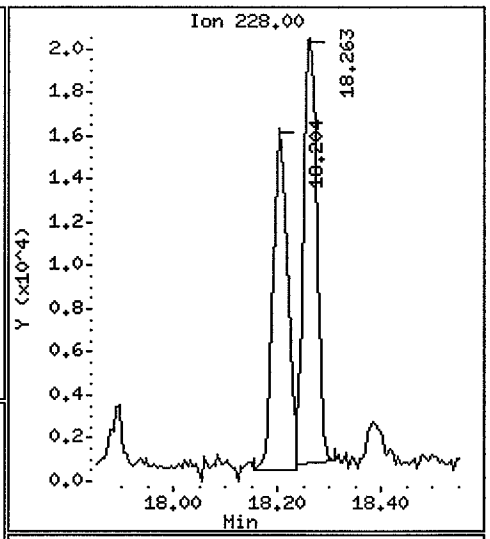
Concentration: 18.45 ug/Kg

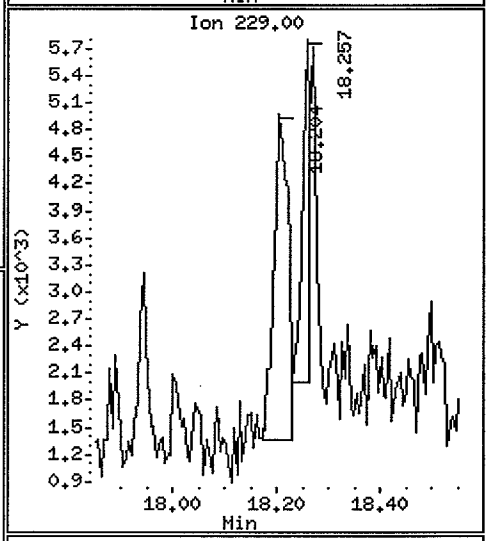


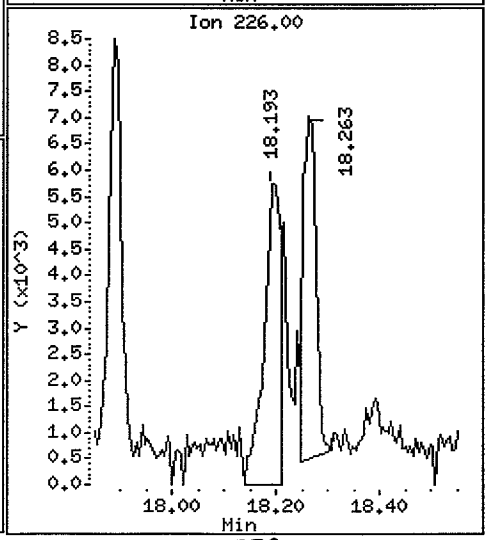












Data File: /chem3/nt4.i/20071101.b/lr71c2.d

Date : 01-NOV-2007 17:42

Client ID:

Instrument: nt4.i

Sample Info: LR71CRE

Volume Injected (uL): 1.0

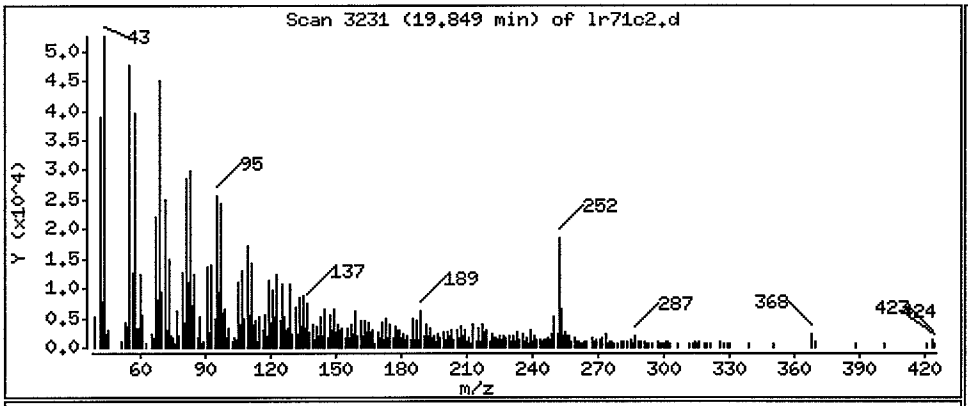
Operator: VTS

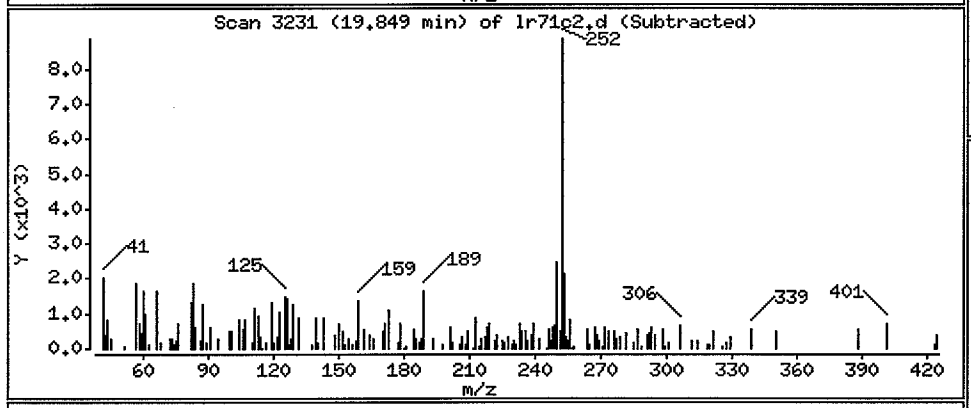
Column phase: ZB-5

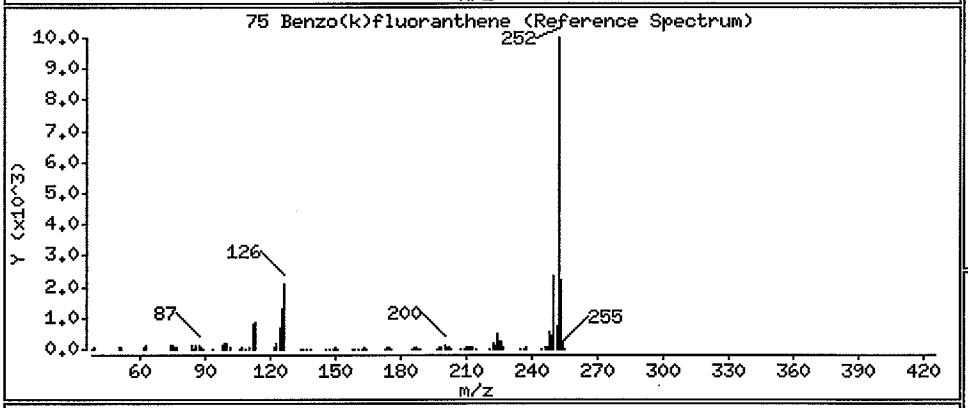
Column diameter: 0.32

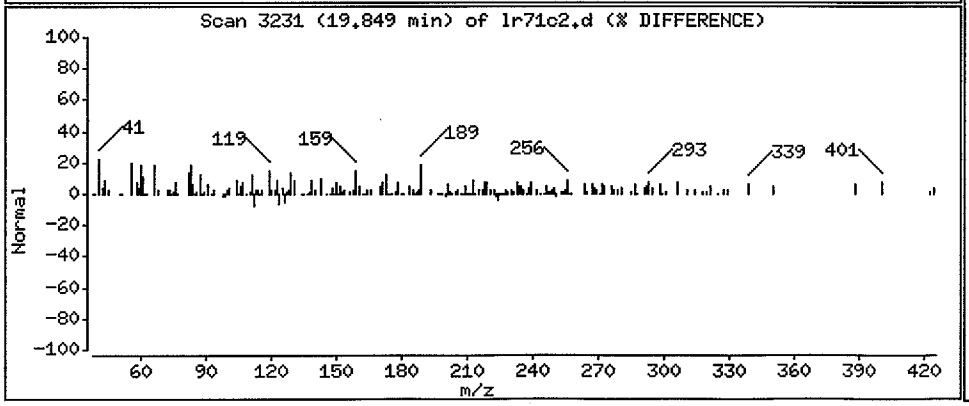
75 Benzo(k)fluoranthene

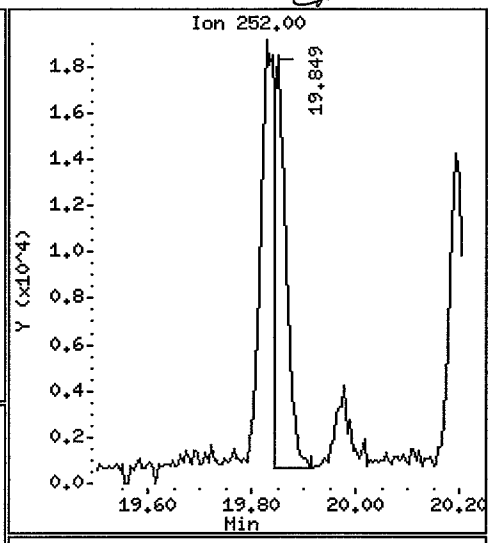
Concentration: 15.74 ug/Kg

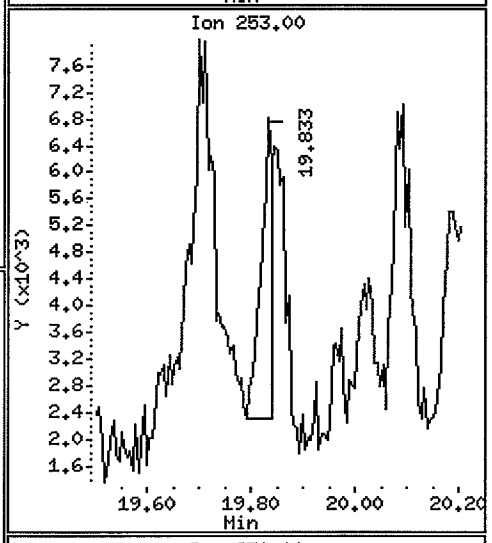


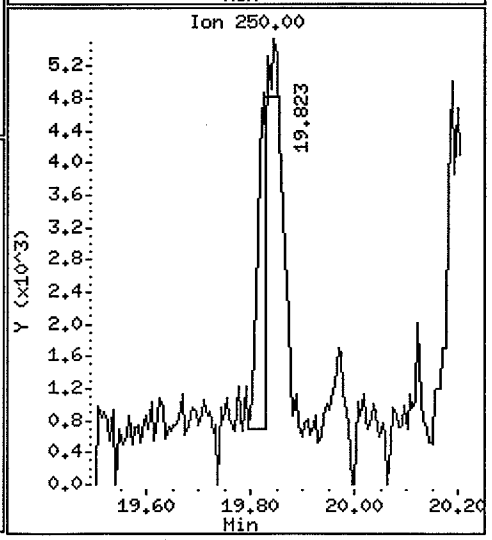












Data File: /chem3/nt4.i/20071101.b/lr71c2.d

Date : 01-NOV-2007 17:42

Client ID:

Instrument: nt4.i

Sample Info: LR71CRE

Volume Injected (uL): 1.0

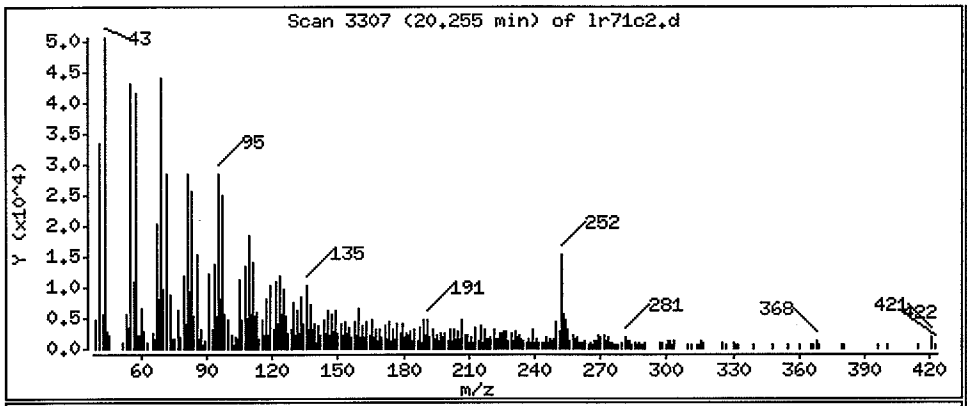
Operator: VTS

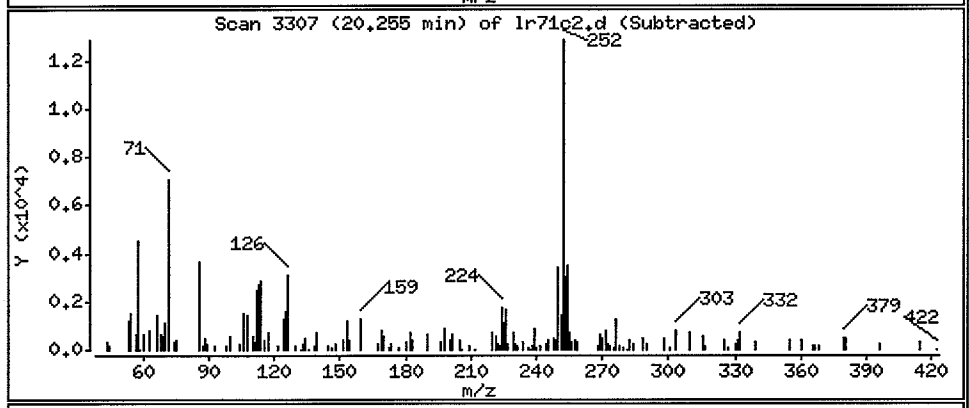
Column phase: ZB-5

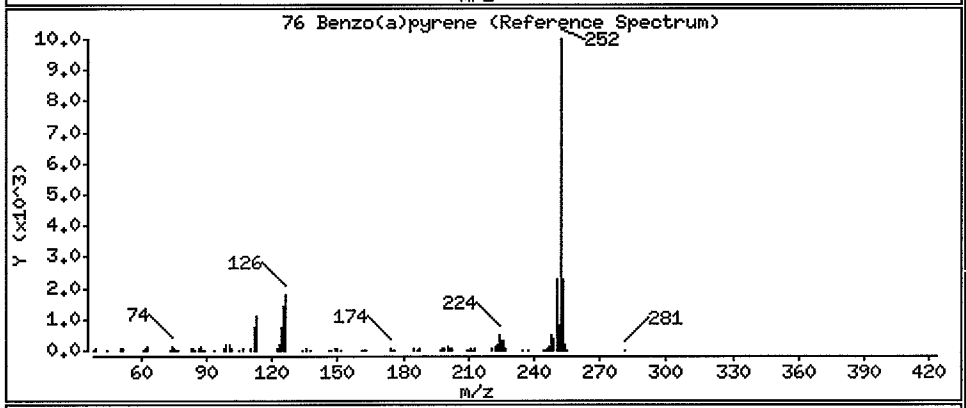
Column diameter: 0.32

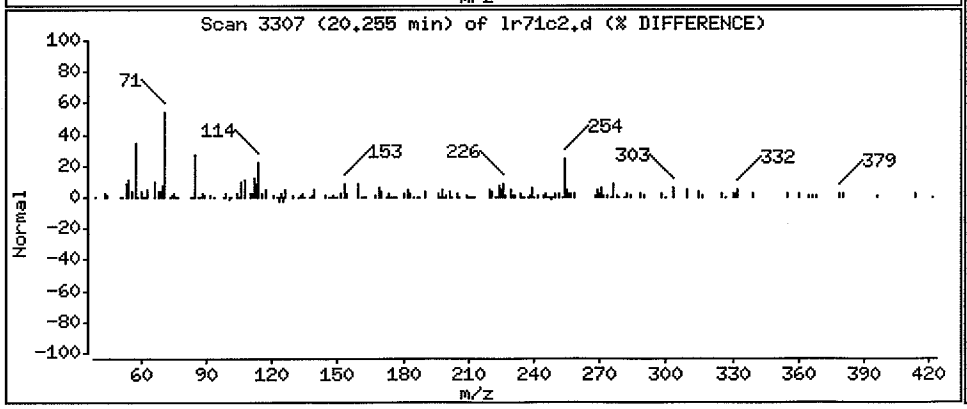
76 Benzo(a)pyrene

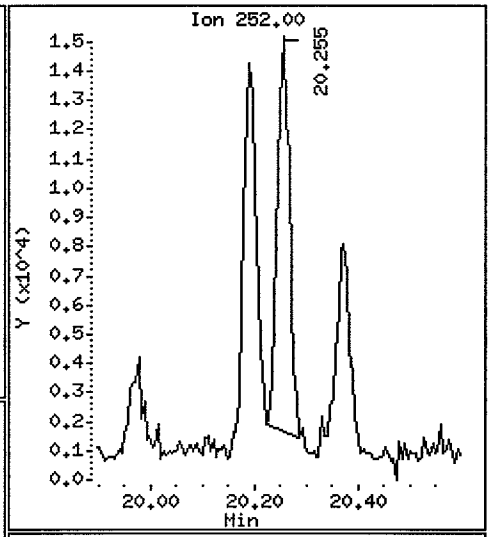
Concentration: 15.12 ug/Kg

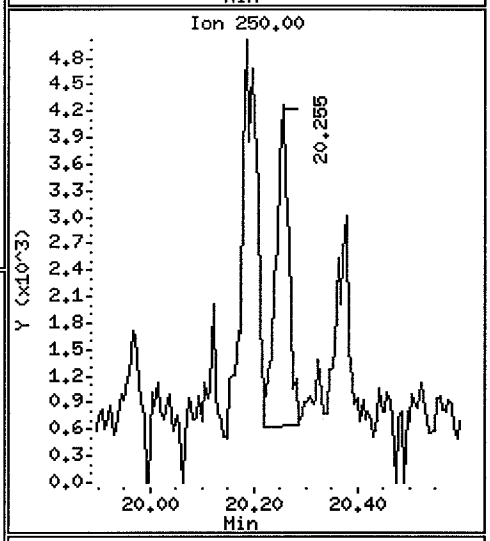


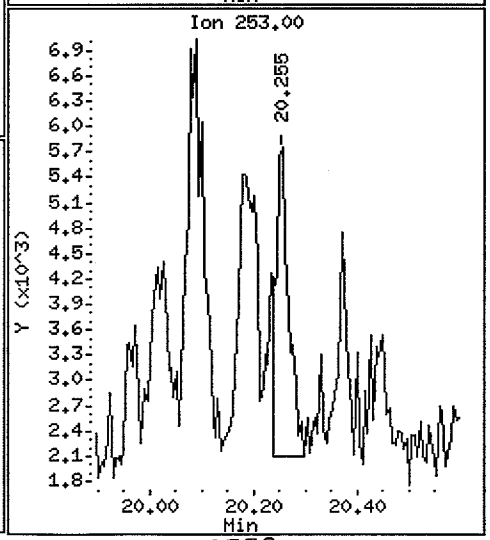












Data File: /chem3/nt4.i/20071101.b/lr71c2.d

Date : 01-NOV-2007 17:42

Client ID:

Instrument: nt4.i

Sample Info: LR71CRE

Volume Injected (uL): 1.0

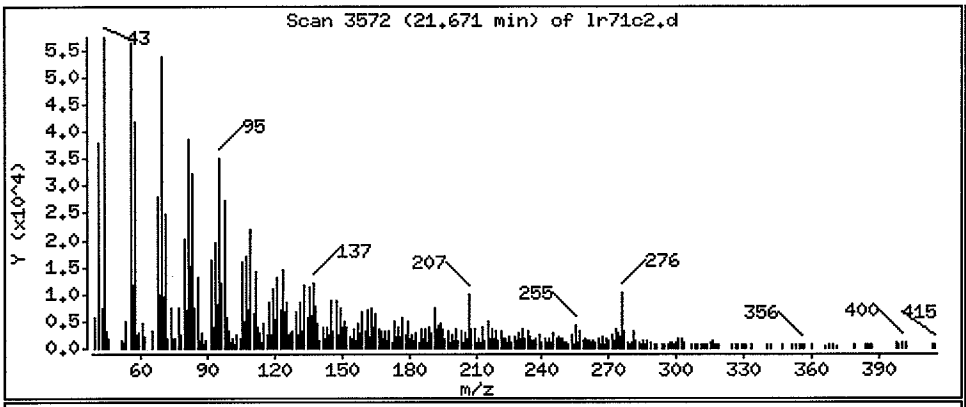
Operator: VTS

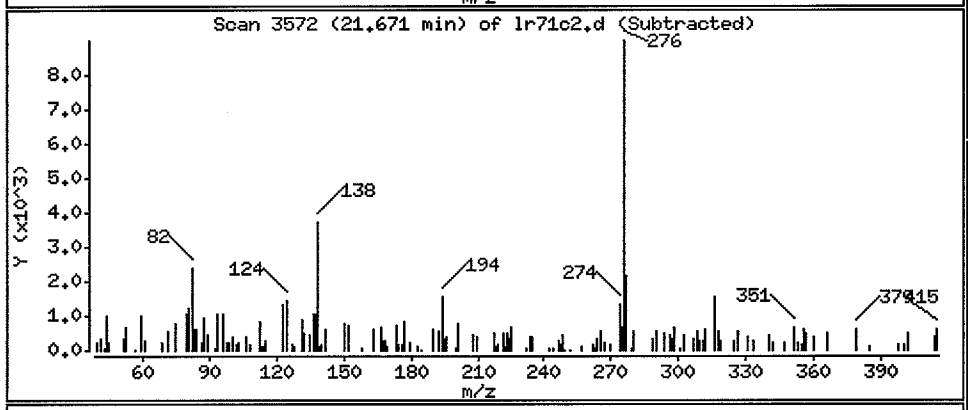
Column phase: ZB-5

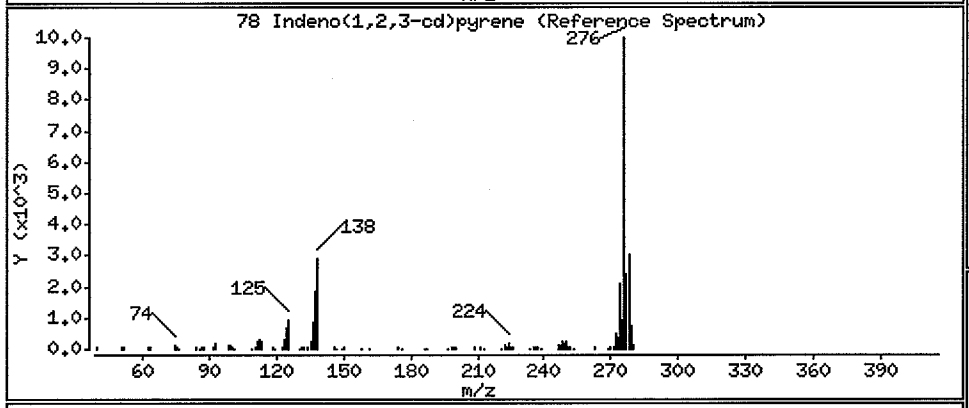
Column diameter: 0.32

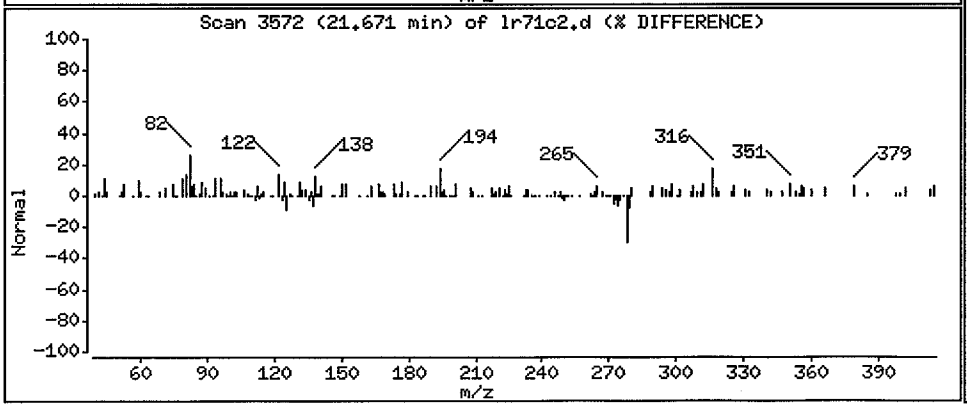
78 Indeno(1,2,3-cd)pyrene

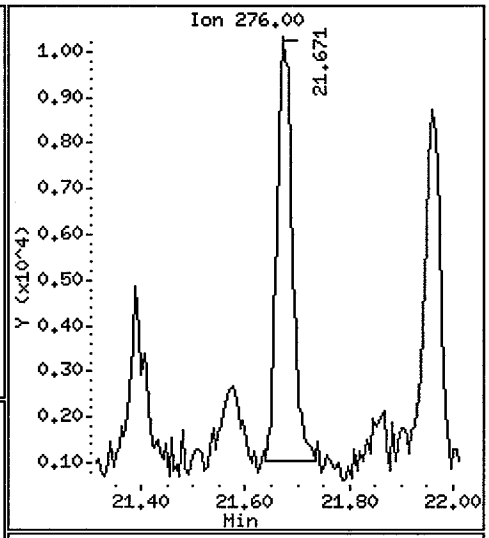
Concentration: 12.16 ug/Kg

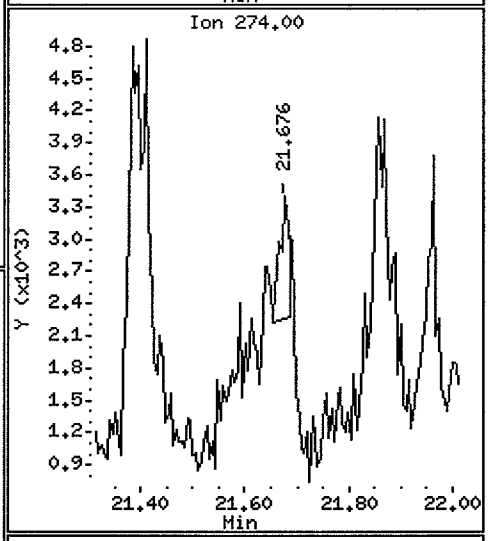


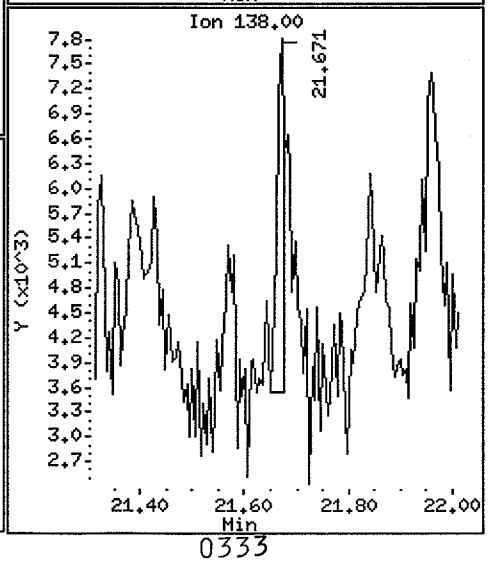












Data File: /chem3/nt4.i/20071101.b/lr71c2.d

Date : 01-NOV-2007 17:42

Client ID:

Instrument: nt4.i

Sample Info: LR71CRE

Volume Injected (uL): 1.0

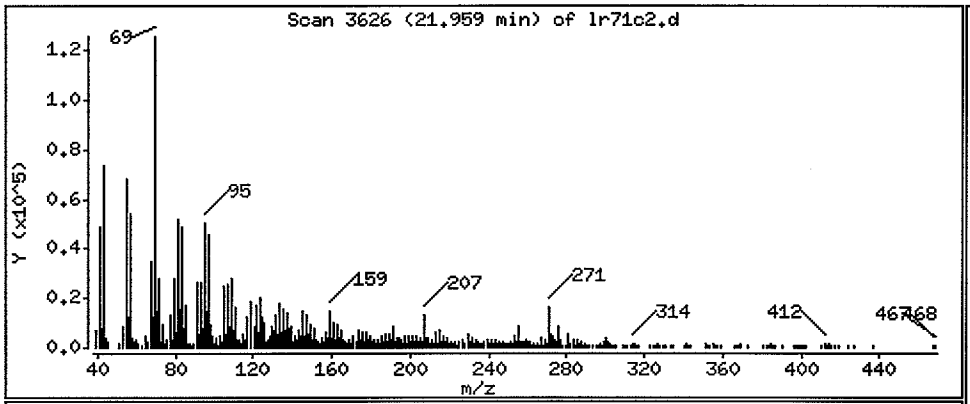
Operator: VTS

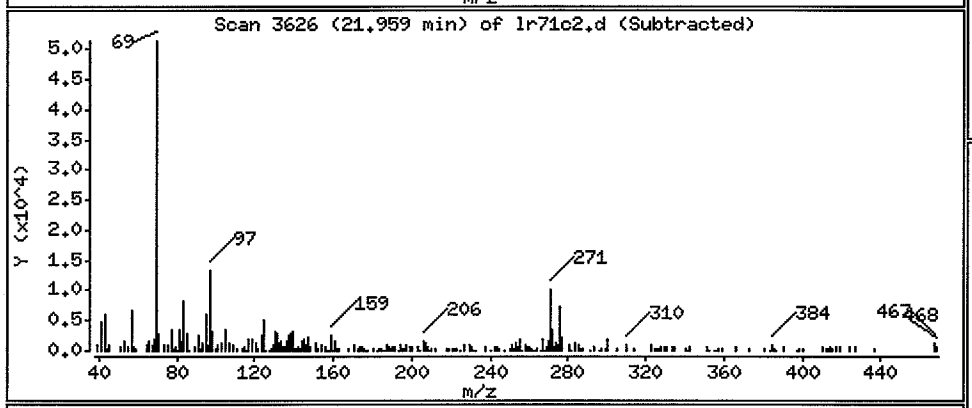
Column phase: ZB-5

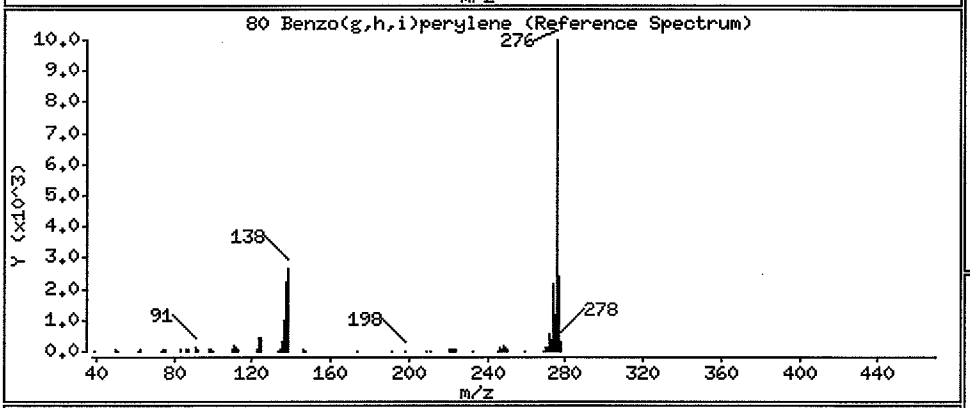
Column diameter: 0.32

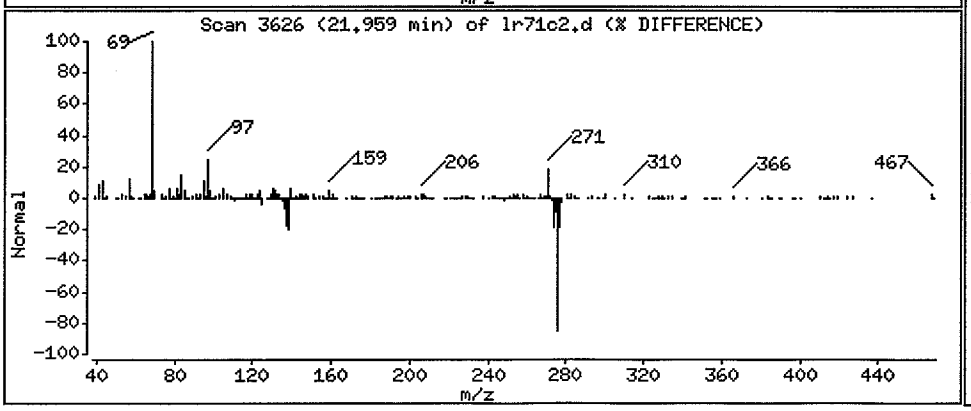
80 Benzo(g,h,i)perylene

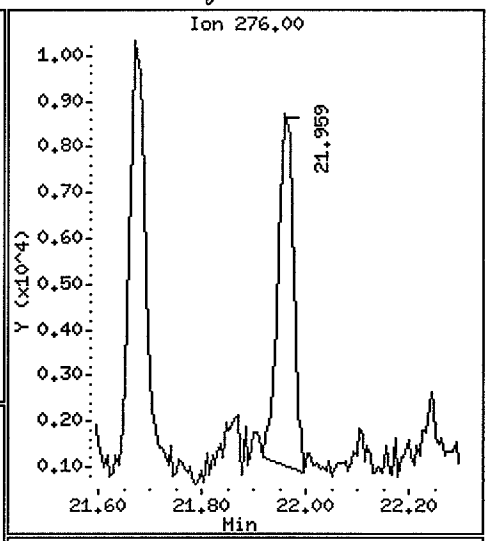
Concentration: 11.49 ug/Kg

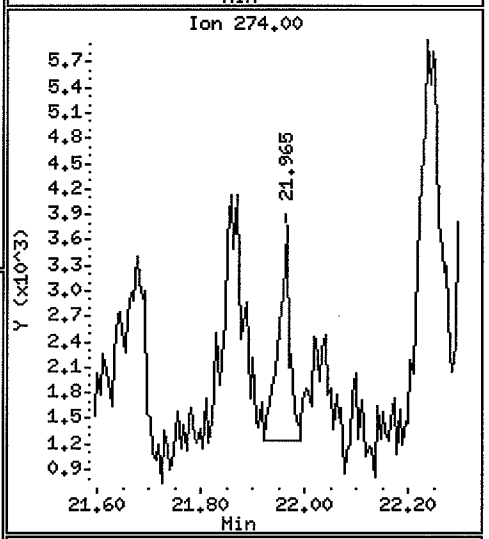


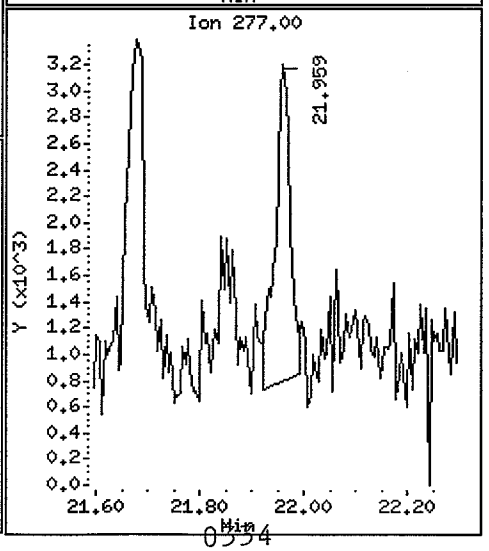












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-07-070928
SAMPLE

Lab Sample ID: LR71D
LIMS ID: 07-20769
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 16:21
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: 28.7%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**21**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**45**
129-00-0	**Pyrene**	**20**	**32**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**60**
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-07-070928
SAMPLE

Lab Sample ID: LR71D
LIMS ID: 07-20769
Matrix: Sediment
Date Analyzed: 10/18/07 16:21

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	51.6%	2-Fluorobiphenyl	53.2%
d14-p-Terphenyl	64.0%	d4-1,2-Dichlorobenzene	46.4%
d5-Phenol	54.4%	2-Fluorophenol	64.5%
2,4,6-Tribromophenol	66.7%	d4-2-Chlorophenol	54.7%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071018.b/lr71d.d
Lab Smp Id: LR71D Client Smp ID: AN-SS-07-070928
Inj Date : 18-OCT-2007 16:21
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71D
Misc Info : 07-20769
Comment : 1ul Injection
Method : /chem1/nt6.i/20071018.b/SW846.m
Meth Date : 25-Oct-2007 15:32 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 10/25/07

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	71.00000	Weight of sample extracted (g)
M	28.70000	% 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	5.982	5.917	(0.756)	351198	24.2300	478.6
$	2 Phenol-d5	99	7.510	7.488	(0.949)	378232	20.4277	403.5
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	7.617	7.600	(0.962)	252557	20.4799	404.6
	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	7.916	7.904	(1.000)	196689	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	8.215	8.204	(1.038)	107120	11.5836	228.8
	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	8.685	8.674	(1.097)	14784	1.07033	21.14
$	18 Nitrobenzene-d5	82	8.851	8.845	(0.888)	254876	12.9089	255.0
	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	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.973	9.961	(1.000)	614521	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	11.784	11.777	(0.917)	380408	13.3169	263.1
	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	12.852	12.841	(1.000)	366890	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	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	13.696	13.695	(1.066)	12666	0.50451 LAL	9.966
	49 Fluorene	166	Compound Not Detected.					
	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	14.150	14.139	(1.101)	88823	24.9530	492.9
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	15.240	15.223	(1.000)	635257	20.0000	
	60 Phenanthrene	178	15.272	15.261	(1.002)	38846	0.95308 LAL	18.83
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	Compound Not Detected.					
64	Fluoranthene	202	17.222	17.205	(1.130)	105459	2.26257	44.69
65	Pyrene	202	17.575	17.563	(0.898)	86568	1.60095	31.63
$ 66	Terphenyl-d14	244	17.906	17.884	(0.915)	542061	16.0158	316.4
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	Compound Not Detected.					
* 69	Chrysene-d12	240	19.573	19.556	(1.000)	752882	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	19.610	19.598	(1.002)	32954	0.62165 LOL	12.28
72	bis(2-Ethylhexyl)phthalate	149	19.797	19.785	(0.955)	92424	3.06026	60.45
* 134	Di-n-octylphthalate-d4	153	20.737	20.720	(1.000)	998802	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	21.202	21.190	(0.975)	28406	0.63694 LOL	12.58
75	Benzo(k)fluoranthene	252	21.229	21.228	(0.977)	24064	0.51008 ↓	10.08(M)
76	Benzo(a)pyrene	252	Compound Not Detected.					
* 77	Perylene-d12	264	21.736	21.719	(1.000)	621049	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
79	Dibenzo(a,h)anthracene	278	Compound Not Detected.					
80	Benzo(g,h,i)perylene	276	Compound Not Detected.					
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: lr71d.d
Lab Smp Id: LR71D
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20769

Calibration Date: 18-OCT-2007
Calibration Time: 10:07
Client Smp ID: AN-SS-07-070928
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	196689	-7.26
27 Naphthalene-d8	656578	328289	1313156	614521	-6.41
42 Acenaphthene-d10	353705	176852	707410	366890	3.73
59 Phenanthrene-d10	526440	263220	1052880	635257	20.67
69 Chrysene-d12	581923	290962	1163846	752882	29.38
134 Di-n-octylphthala	979097	489548	1958194	998802	2.01
77 Perylene-d12	686531	343266	1373062	621049	-9.54

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.90	7.40	8.40	7.92	0.15
27 Naphthalene-d8	9.96	9.46	10.46	9.97	0.12
42 Acenaphthene-d10	12.84	12.34	13.34	12.85	0.09
59 Phenanthrene-d10	15.22	14.72	15.72	15.24	0.11
69 Chrysene-d12	19.56	19.06	20.06	19.57	0.09
134 Di-n-octylphthala	20.72	20.22	21.22	20.74	0.08
77 Perylene-d12	21.72	21.22	22.22	21.74	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

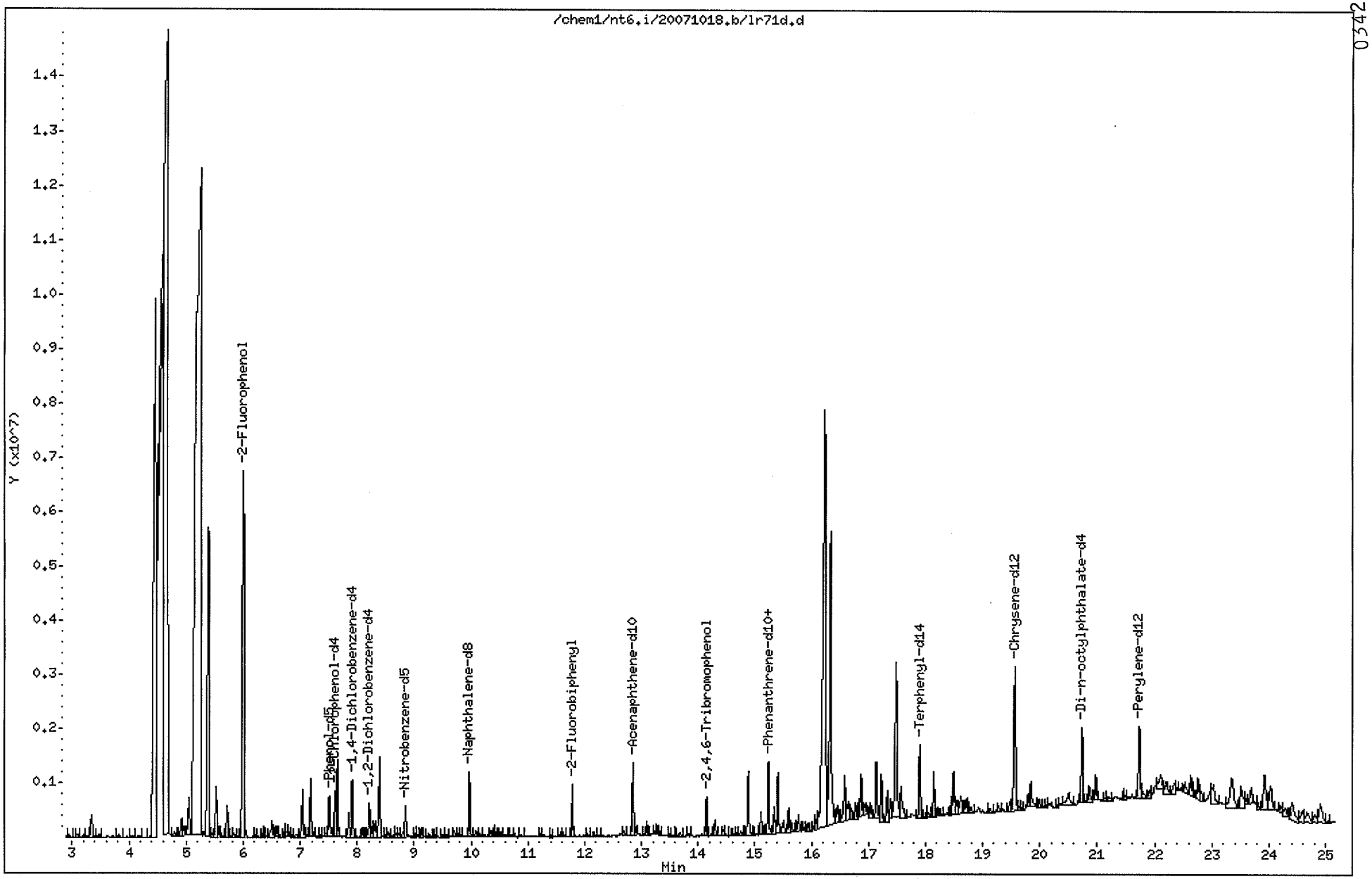
Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71D
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20769

Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-07-070928
Operator: LJR/VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	740.8	478.6	64.61	11-84
$ 2 Phenol-d5	740.8	403.5	54.47	25-86
$ 5 2-Chlorophenol-d4	740.8	404.6	54.61	23-91
$ 10 1,2-Dichlorobenzen	493.8	228.8	46.33	24-90
$ 18 Nitrobenzene-d5	493.8	255.0	51.64	26-88
$ 36 2-Fluorobiphenyl	493.8	263.1	53.27	34-91
$ 55 2,4,6-Tribromophen	740.8	492.9	66.54	25-107
$ 66 Terphenyl-d14	493.8	316.4	64.06	22-100

Data File: /chem1/nt6.i/20071018.b/lr71d.d
Date : 18-OCT-2007 16:21
Client ID: AN-SS-07-070928
Sample Info: LR71D
Volume Injected (uL): 1.0
Column phase: ZB-5

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



Data File: /chem1/nt6.i/20071018.b/lr71d.d

Date : 18-OCT-2007 16:21

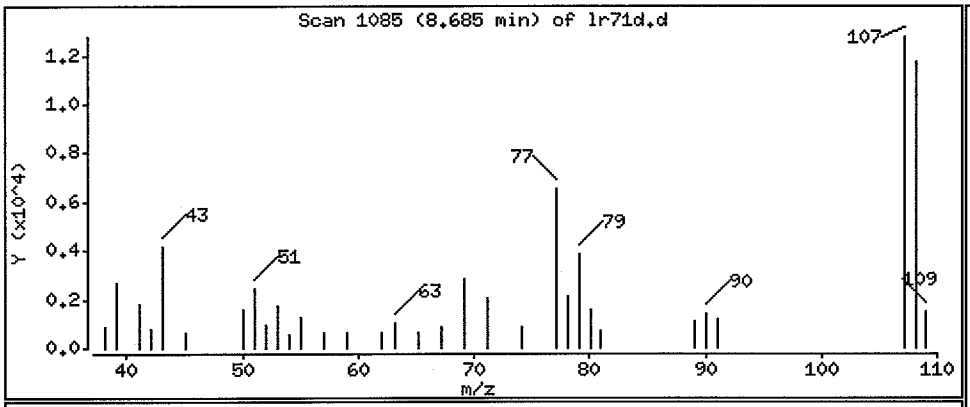
Client ID: AN-SS-07-070928 Instrument: nt6.i

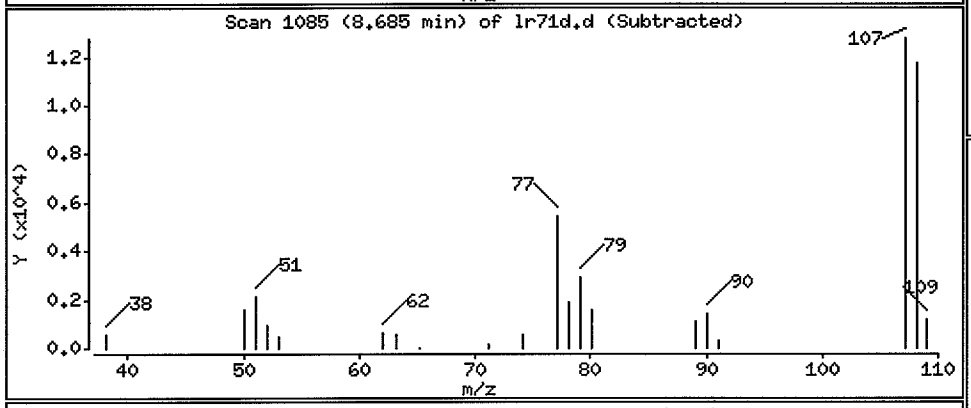
Sample Info: LR71D

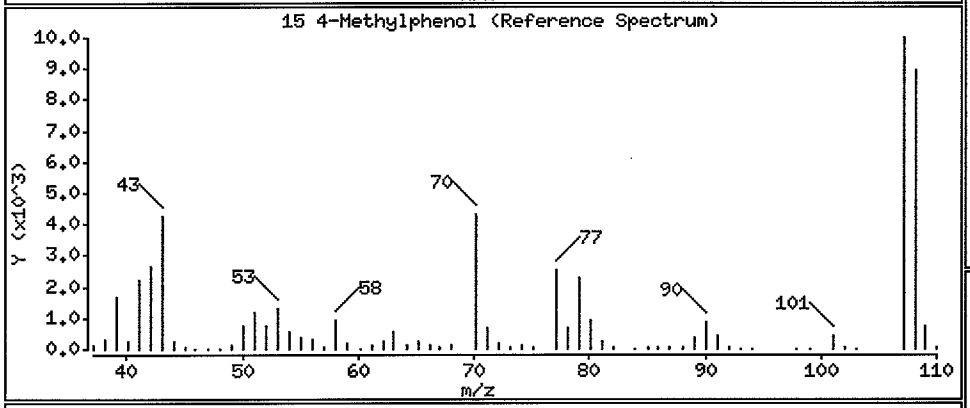
Volume Injected (uL): 1.0 Operator: LJR/VTS

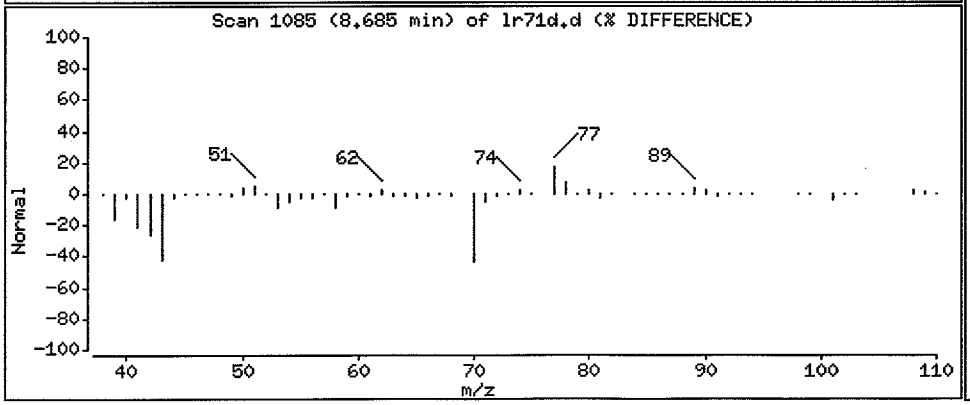
Column phase: ZB-5 Column diameter: 0.32

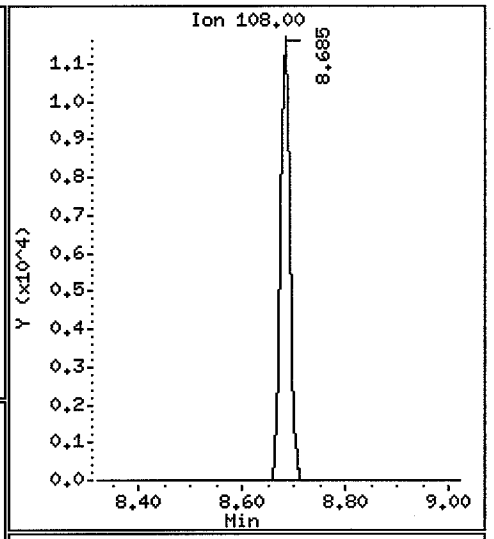
15 4-Methylphenol Concentration: 21.14 ug/kg

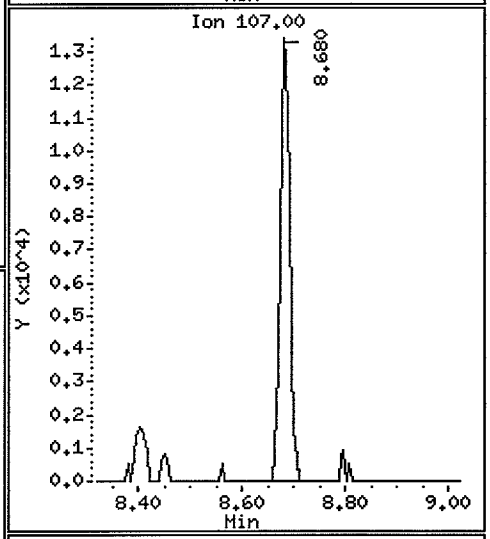


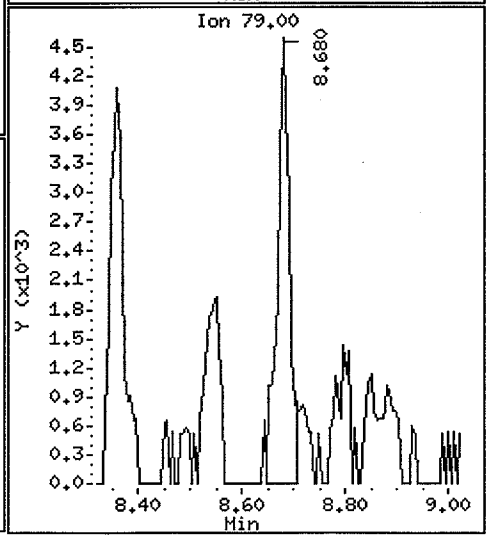












Data File: /chem1/nt6.i/20071018.b/lr71d.d

Date : 18-OCT-2007 16:21

Client ID: AN-SS-07-070928

Instrument: nt6.i

Sample Info: LR71D

Volume Injected (uL): 1.0

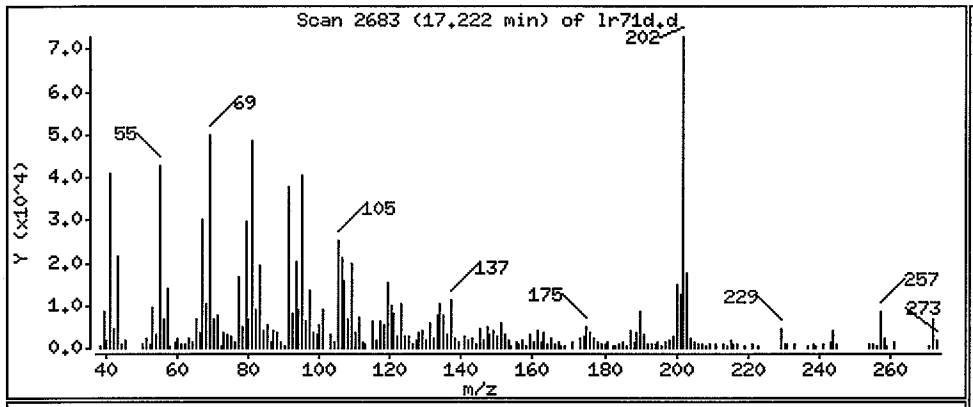
Operator: LJR/VTS

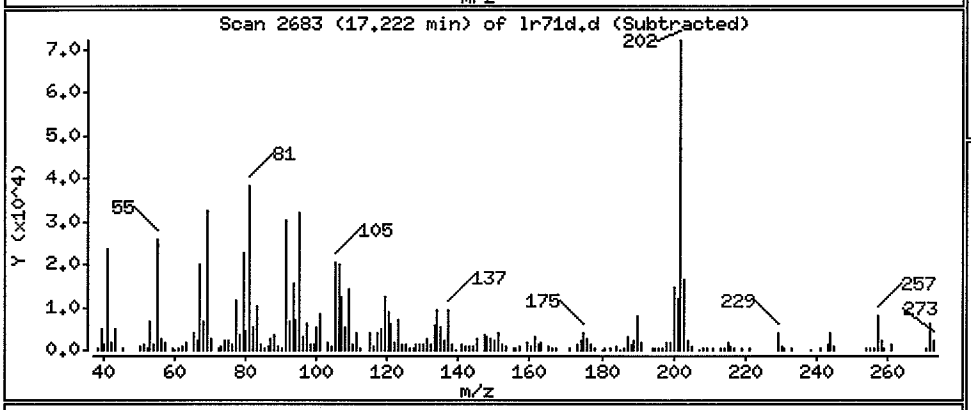
Column phase: ZB-5

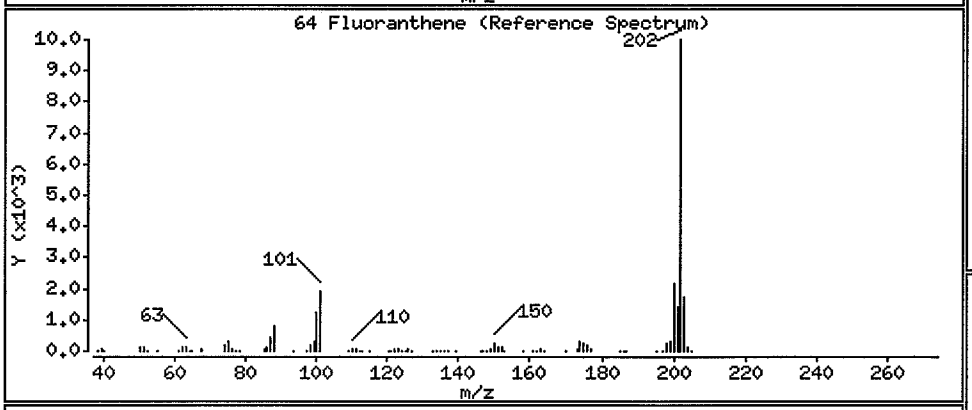
Column diameter: 0.32

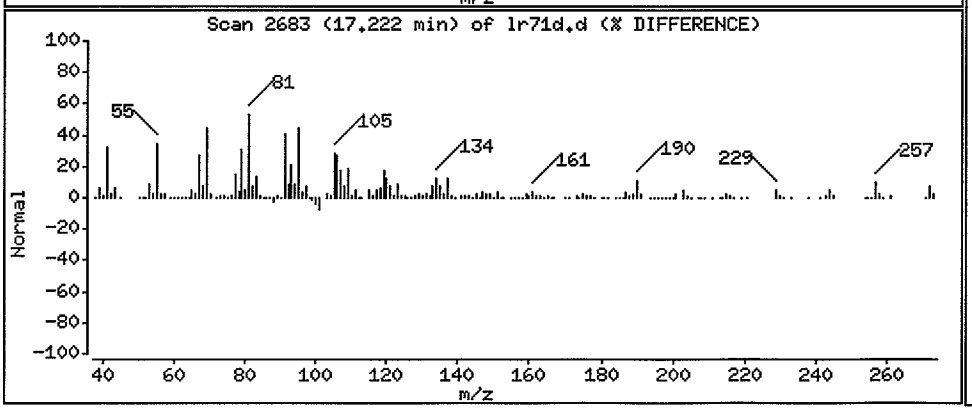
64 Fluoranthene

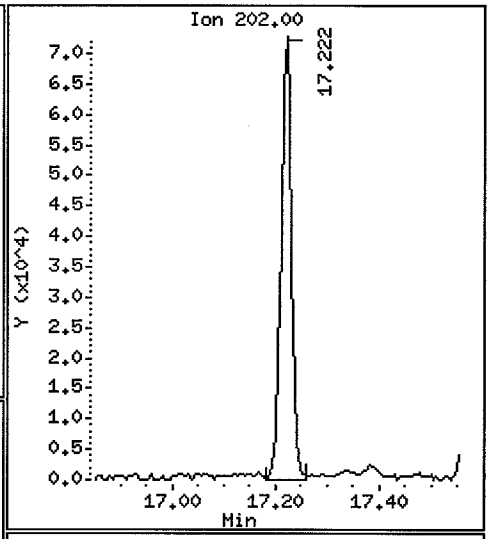
Concentration: 44.69 ug/kg

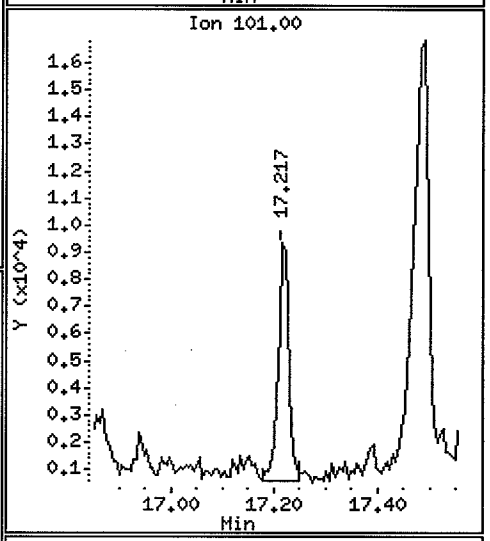


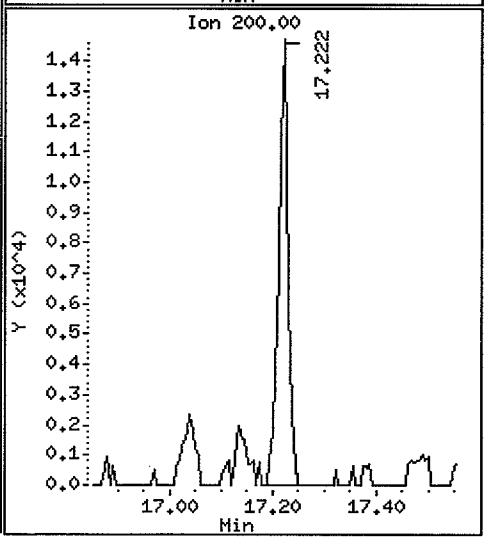












Data File: /chem1/nt6.i/20071018.b/lr71d.d

Date : 18-OCT-2007 16:21

Client ID: AN-SS-07-070928

Instrument: nt6.i

Sample Info: LR71D

Volume Injected (uL): 1.0

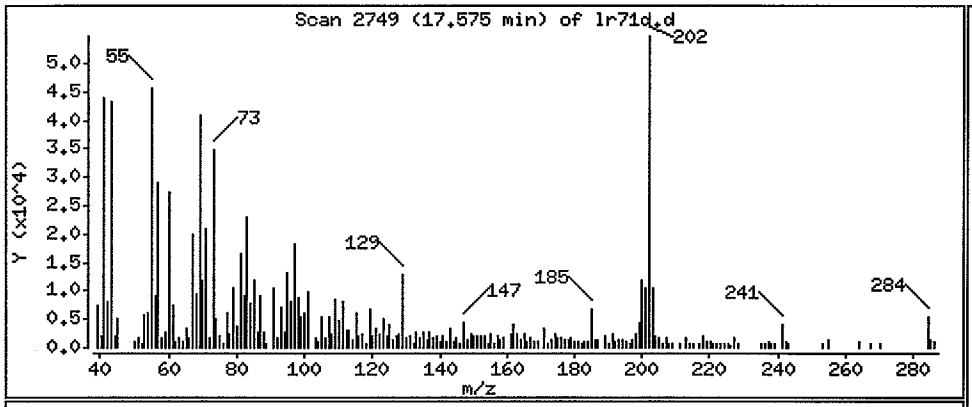
Operator: LJR/VTS

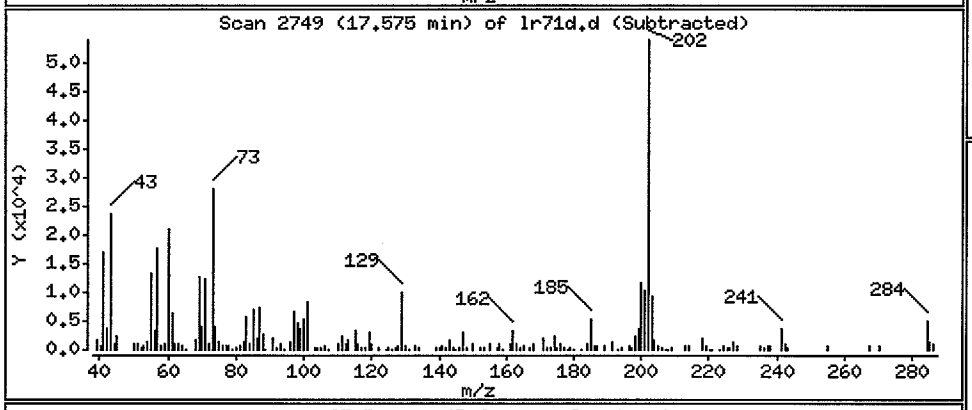
Column phase: ZB-5

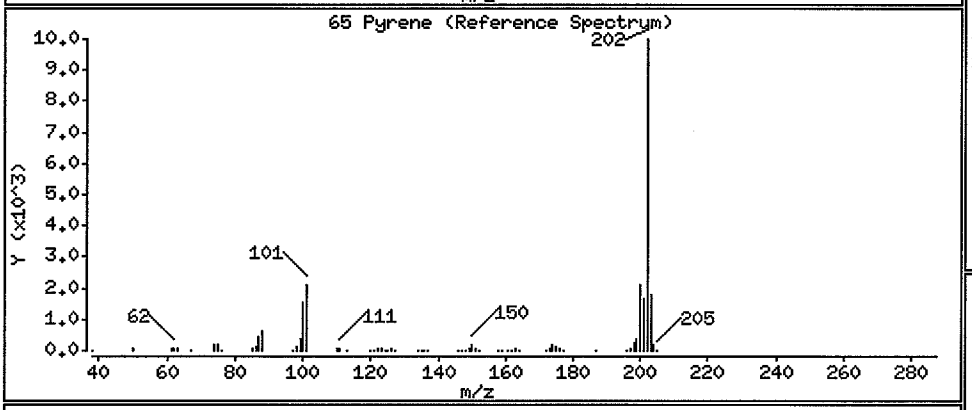
Column diameter: 0.32

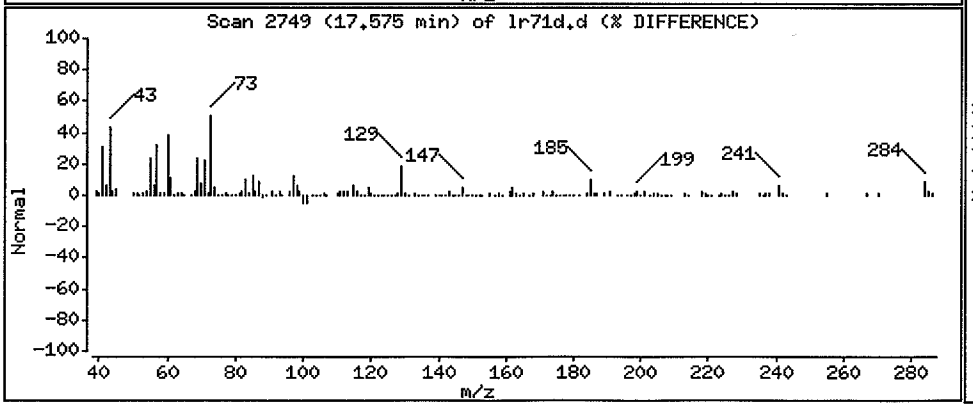
65 Pyrene

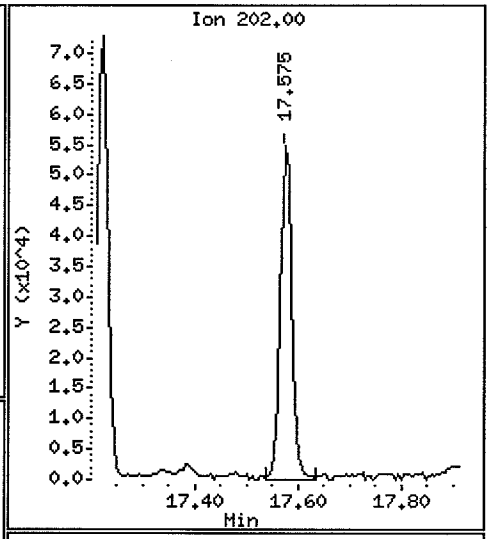
Concentration: 31.63 ug/kg

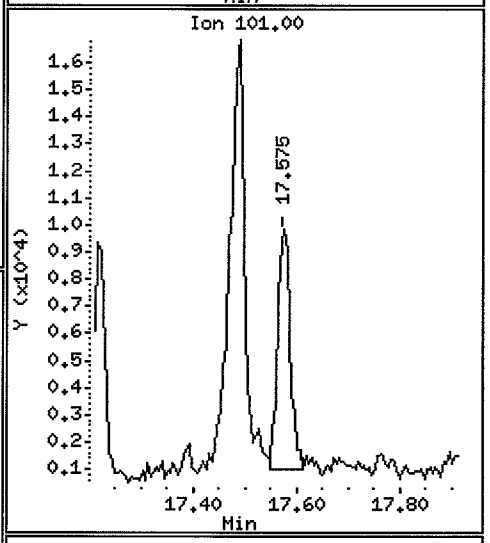


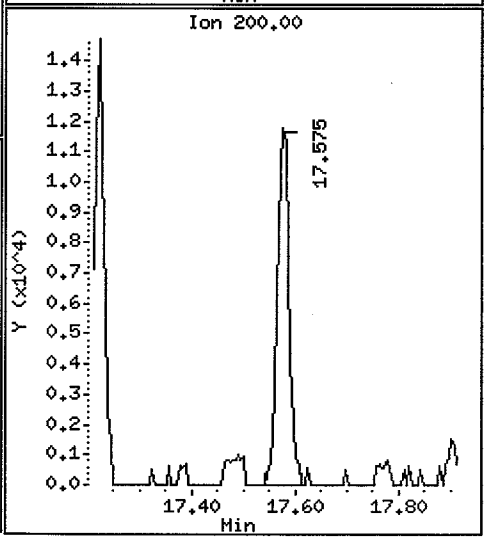












Data File: /chem1/nt6.i/20071018.b/lr71d.d

Date : 18-OCT-2007 16:21

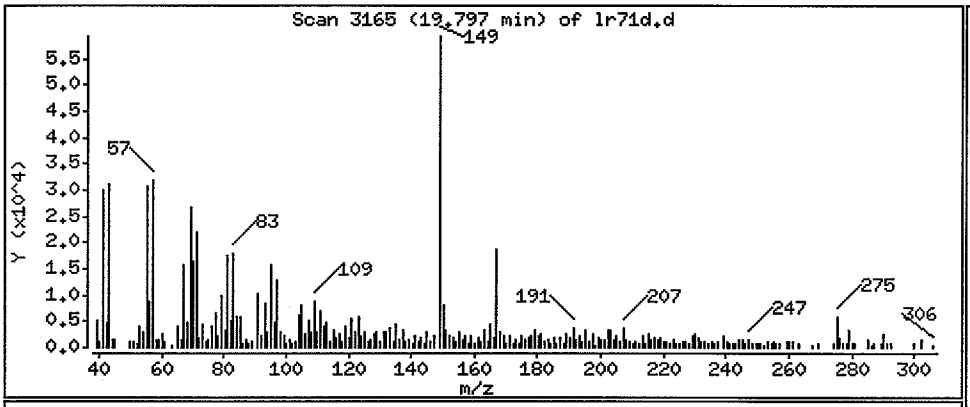
Client ID: AN-SS-07-070928 Instrument: nt6.i

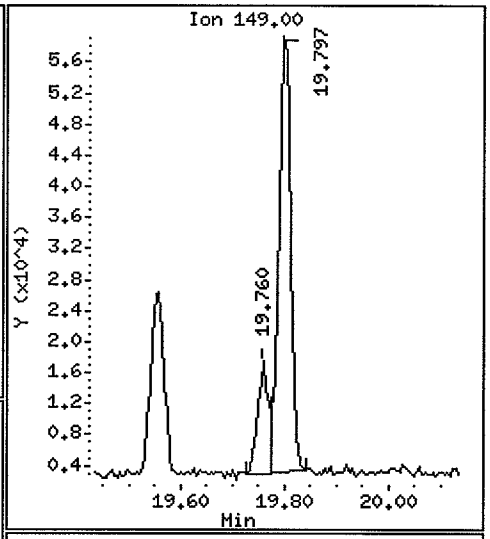
Sample Info: LR71D

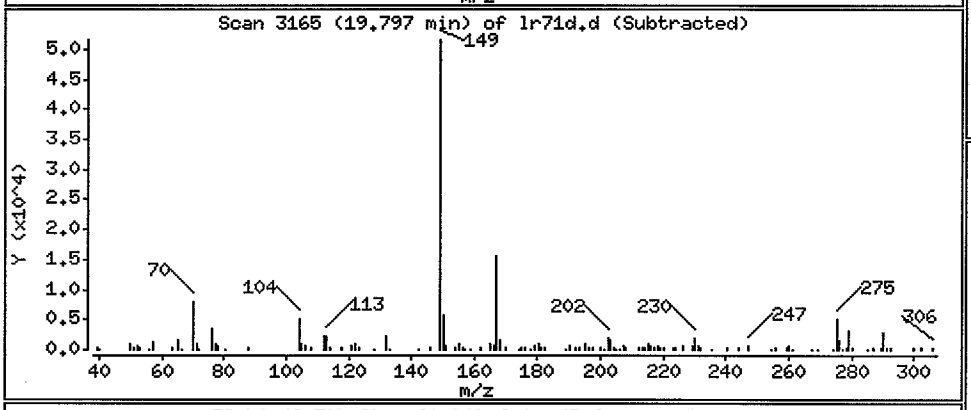
Volume Injected (uL): 1.0 Operator: LJR/VTS

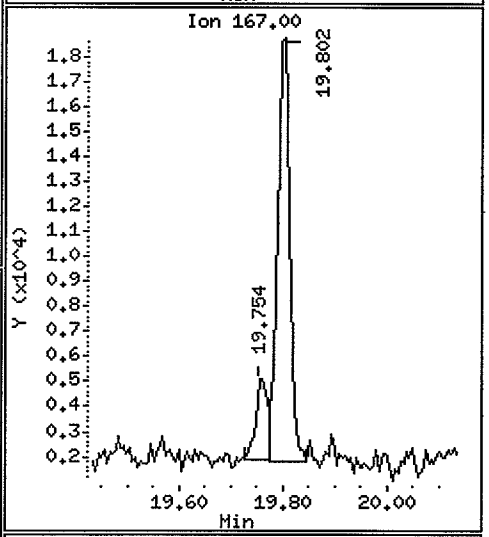
Column phase: ZB-5 Column diameter: 0.32

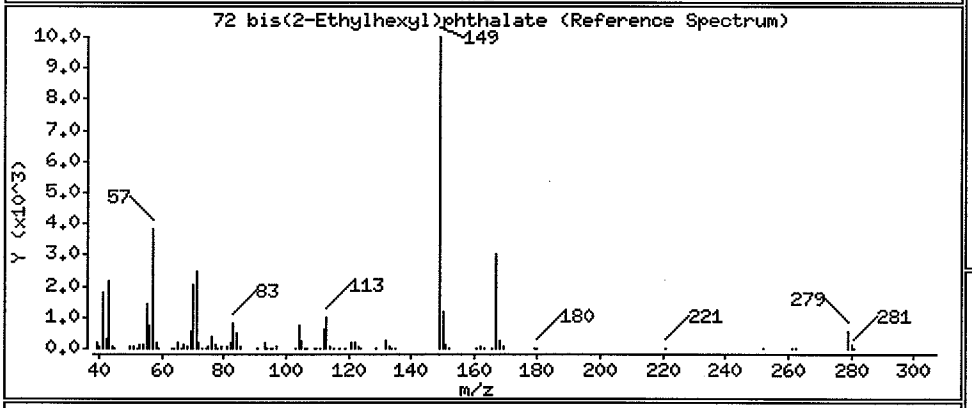
72 bis(2-Ethylhexyl)phthalate Concentration: 60.45 ug/kg

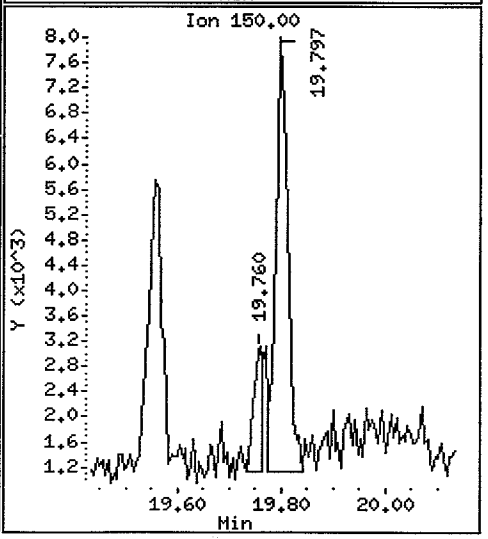


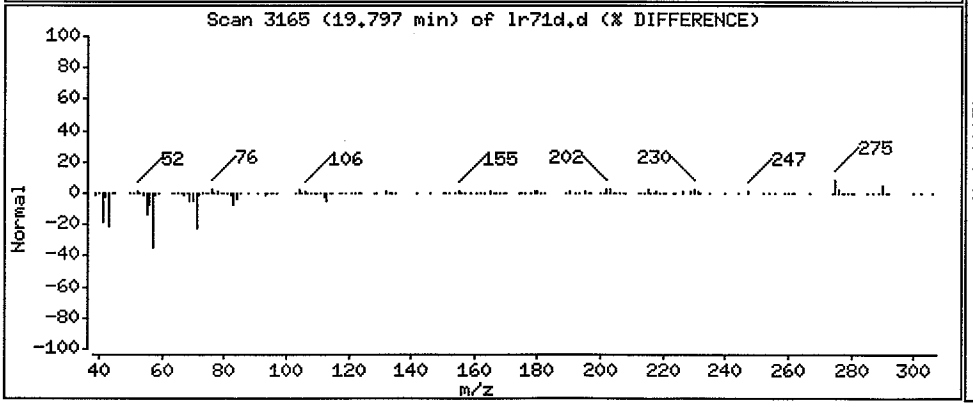












Data File: /chem1/nt6.i/20071018.b/lr71d.d

Date : 18-OCT-2007 16:21

Client ID: AN-SS-07-070928

Instrument: nt6.i

Sample Info: LR71D

Volume Injected (uL): 1.0

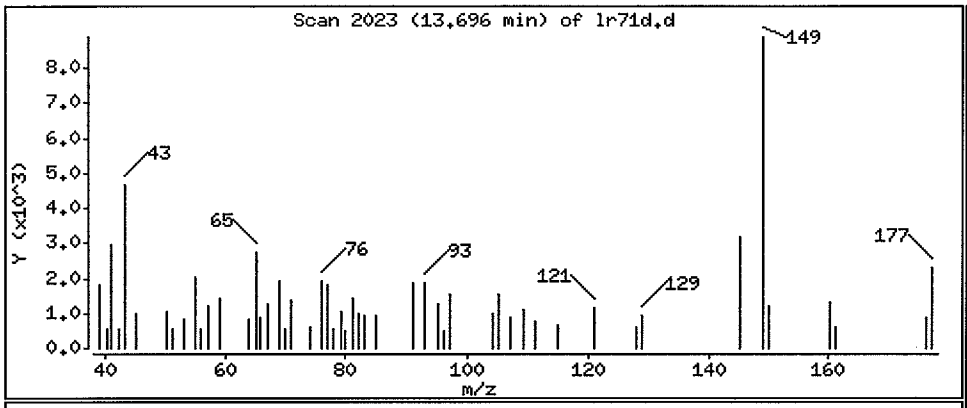
Operator: LJR/VTS

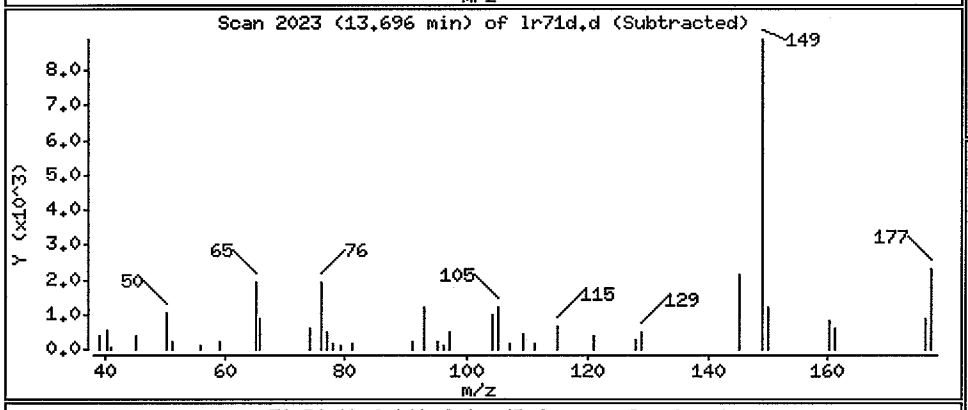
Column phase: ZB-5

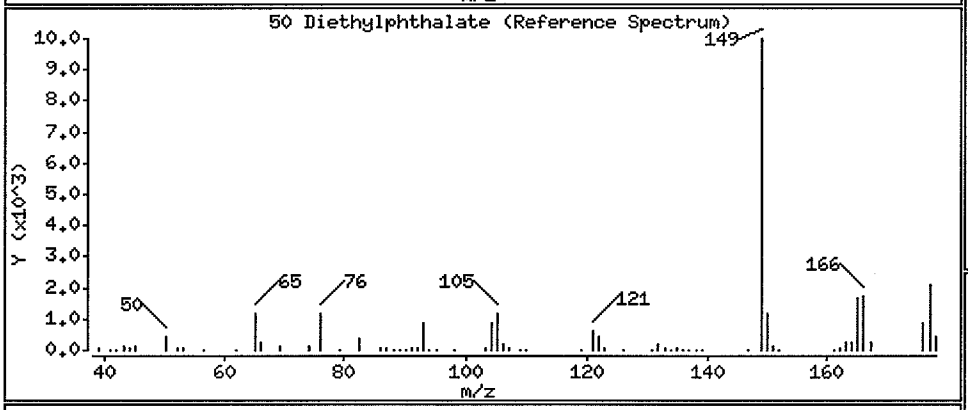
Column diameter: 0.32

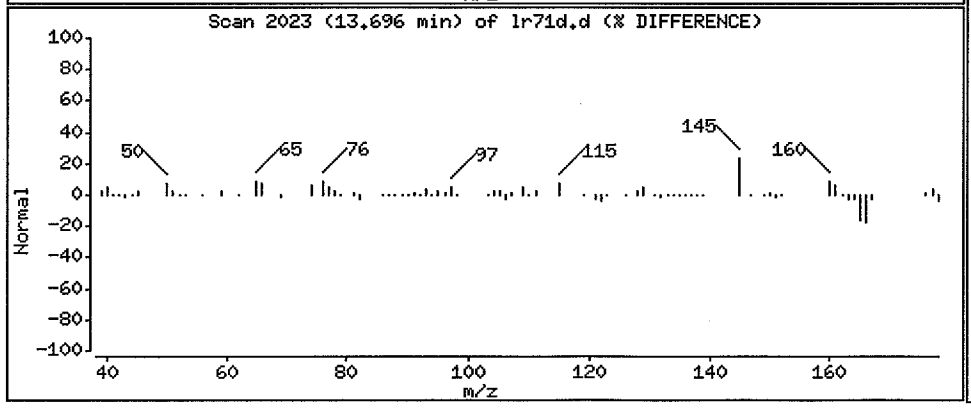
50 Diethylphthalate

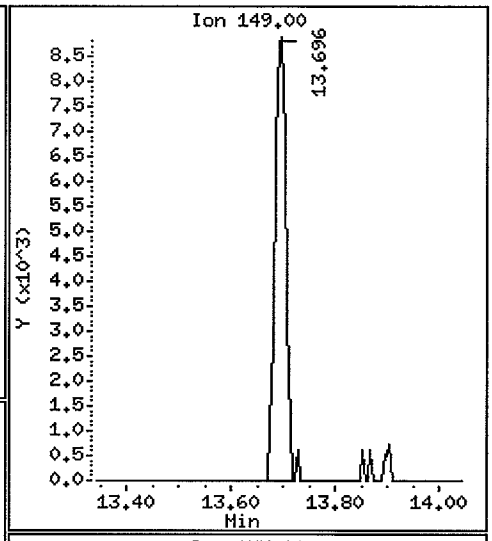
Concentration: 9.966 ug/kg

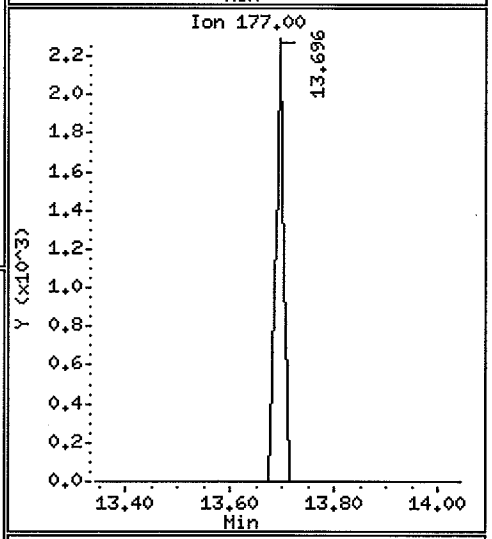


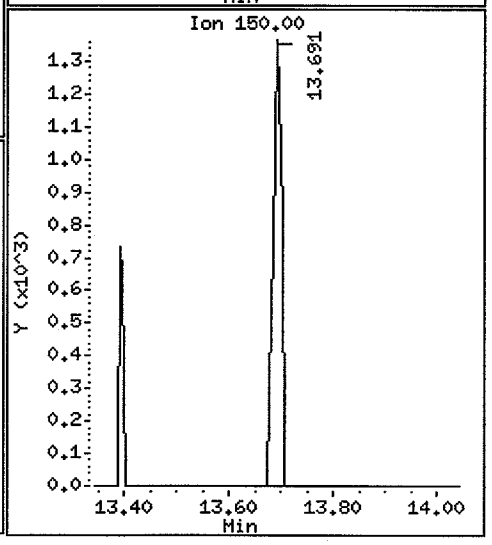












Data File: /chem1/nt6.i/20071018.b/lr71d.d

Date : 18-OCT-2007 16:21

Client ID: AN-SS-07-070928 Instrument: nt6.i

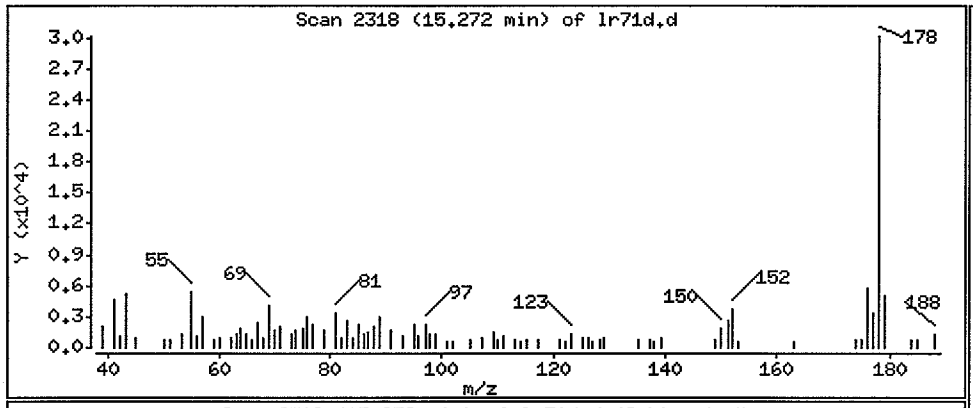
Sample Info: LR71D

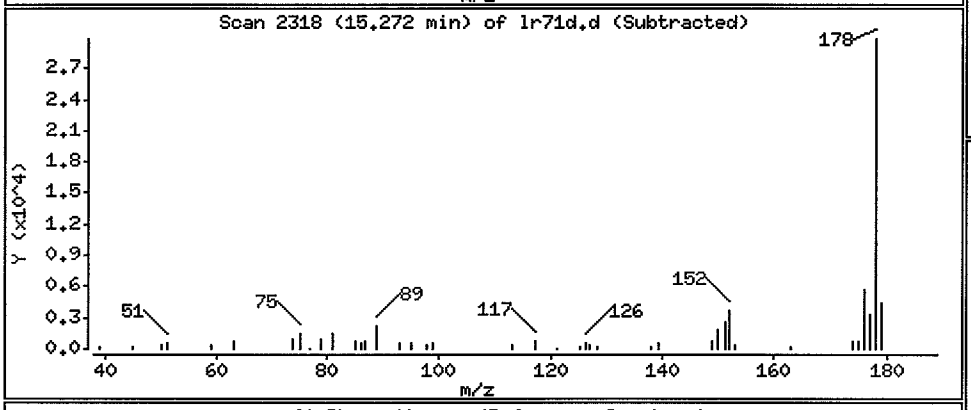
Volume Injected (uL): 1.0 Operator: LJR/VTS

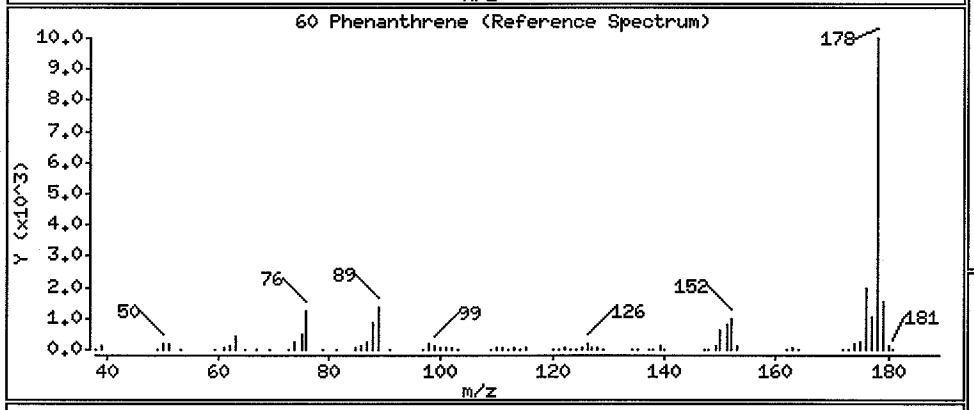
Column phase: ZB-5 Column diameter: 0.32

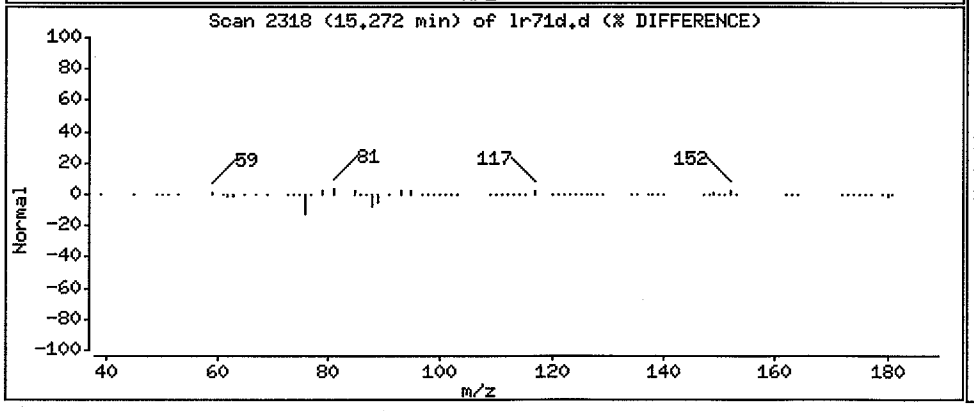
60 Phenanthrene Concentration: 18.83 ug/kg

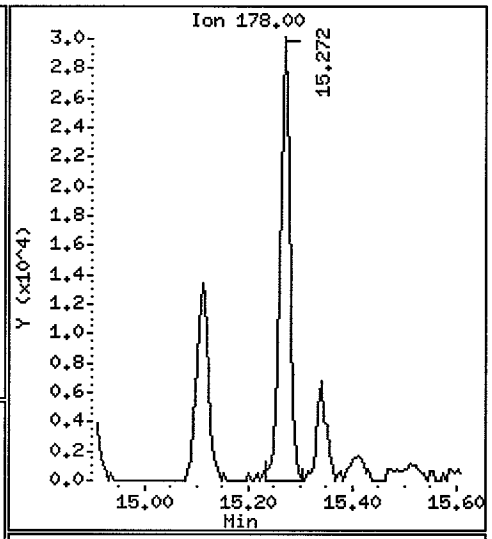
LRL

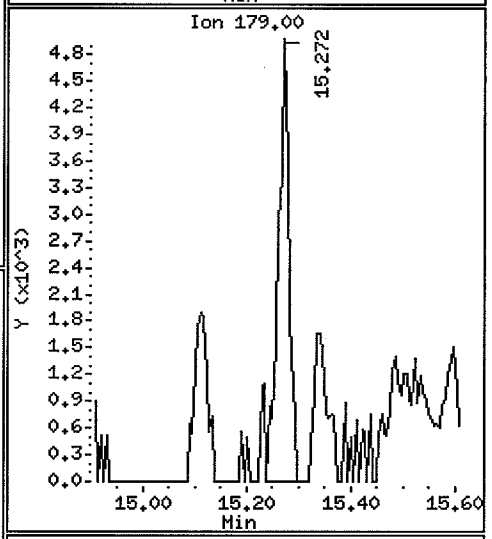


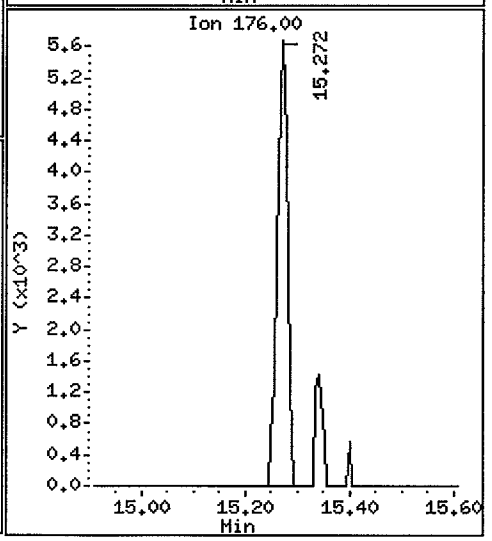












Data File: /chem1/nt6.i/20071018.b/lr71d.d

Date : 18-OCT-2007 16:21

Client ID: AN-SS-07-070928

Instrument: nt6.i

Sample Info: LR71D

Volume Injected (uL): 1.0

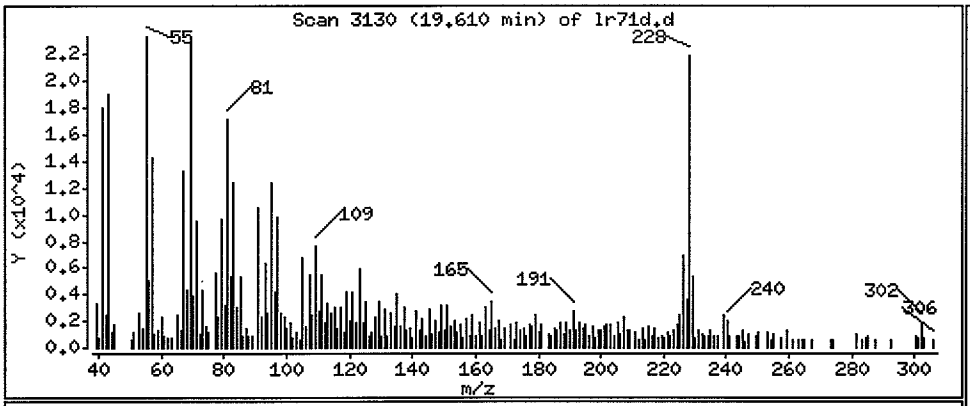
Operator: LJR/VTS

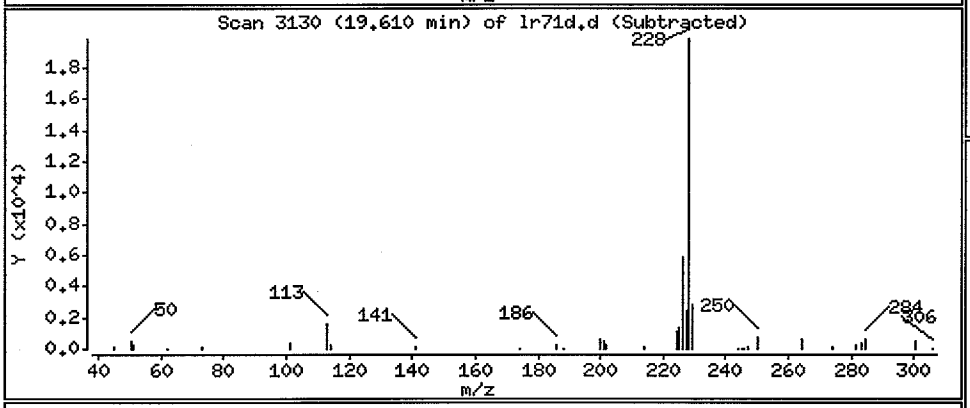
Column phase: ZB-5

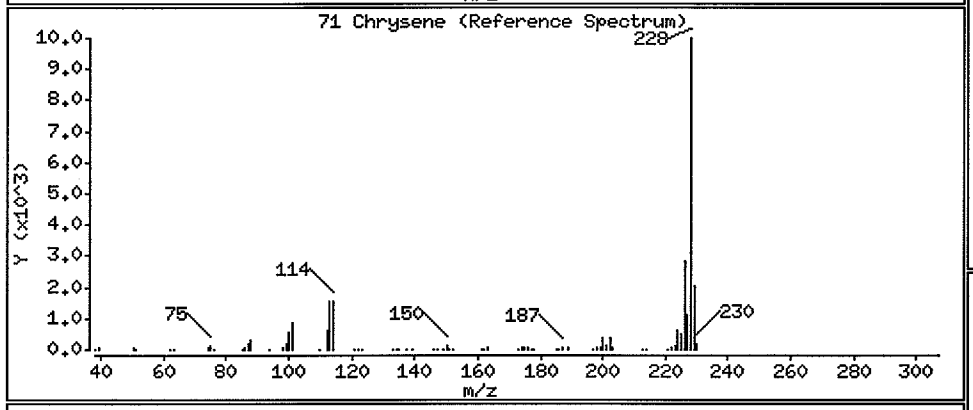
Column diameter: 0.32

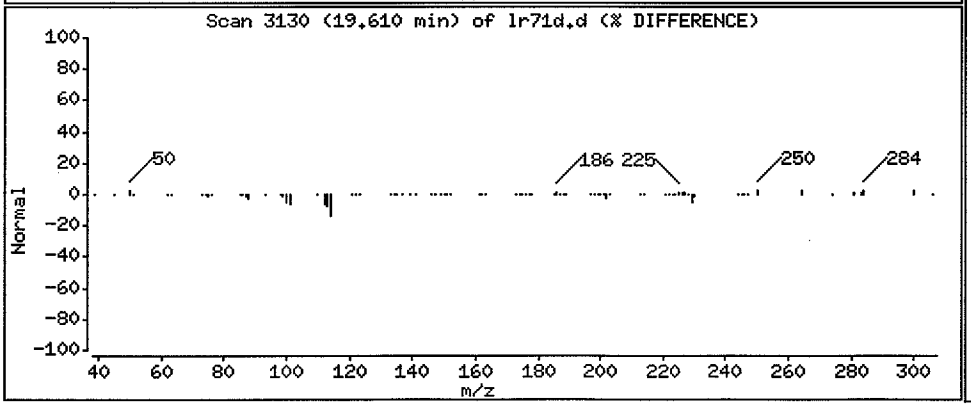
71 Chrysene

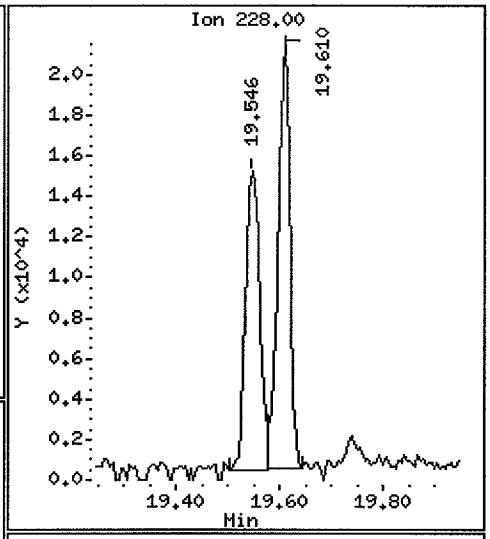
Concentration: 12.28 ug/kg

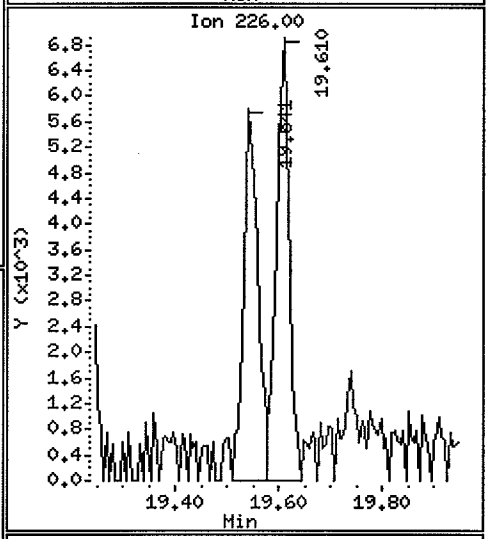


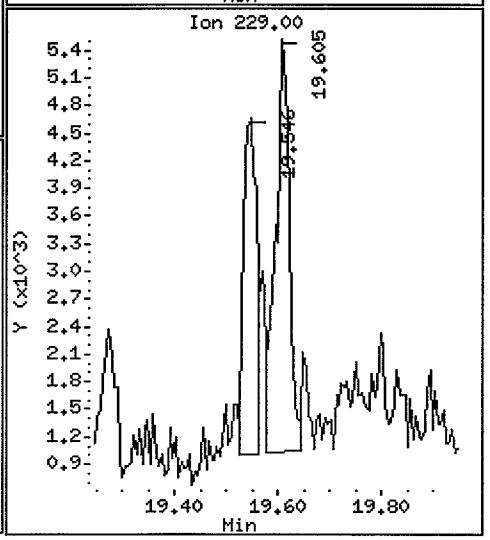












Data File: /chem1/nt6.i/20071018.b/lr71d.d

Date : 18-OCT-2007 16:21

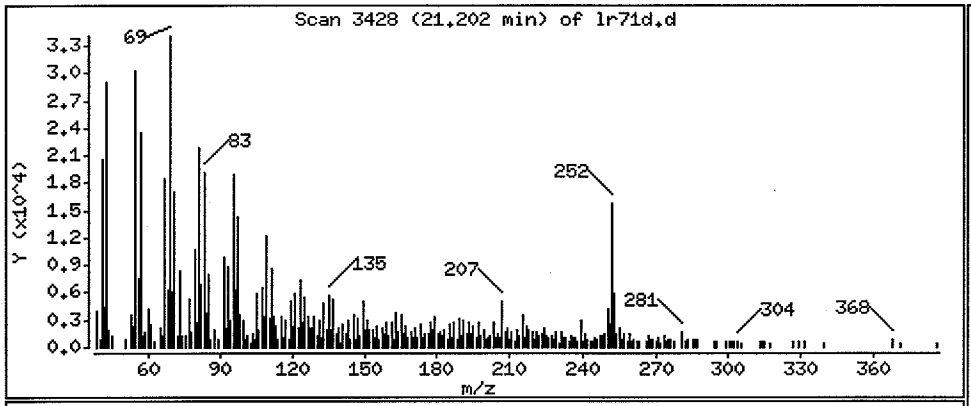
Client ID: AN-SS-07-070928 Instrument: nt6.i

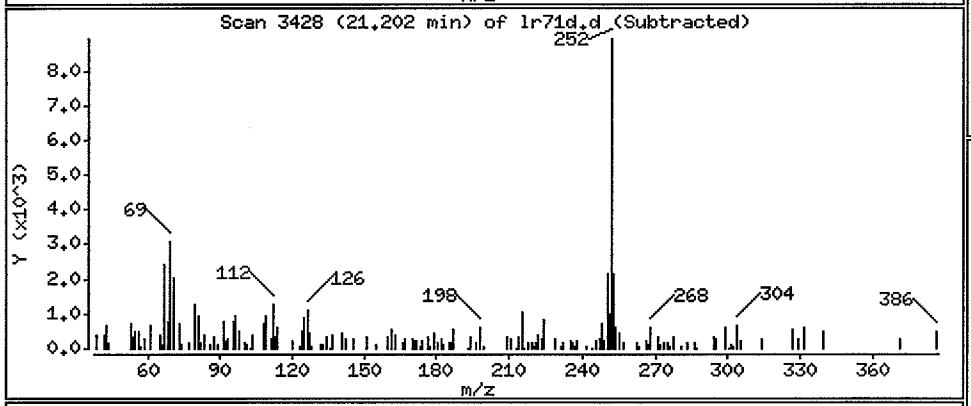
Sample Info: LR71D

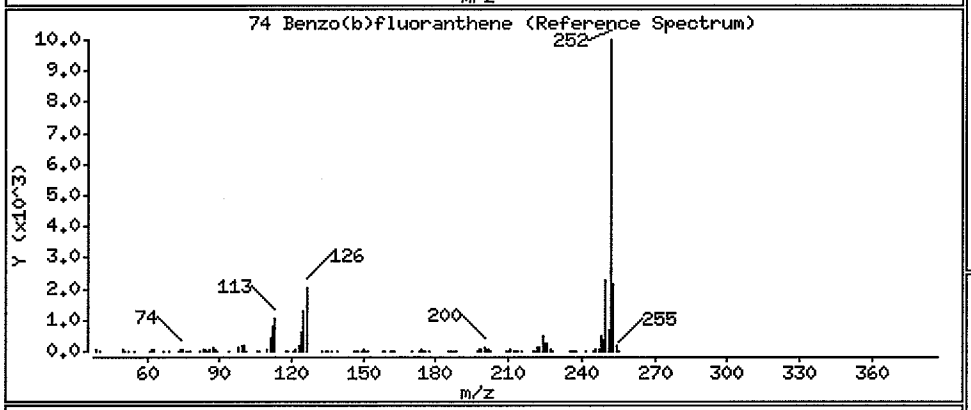
Volume Injected (uL): 1.0 Operator: LJR/VTS

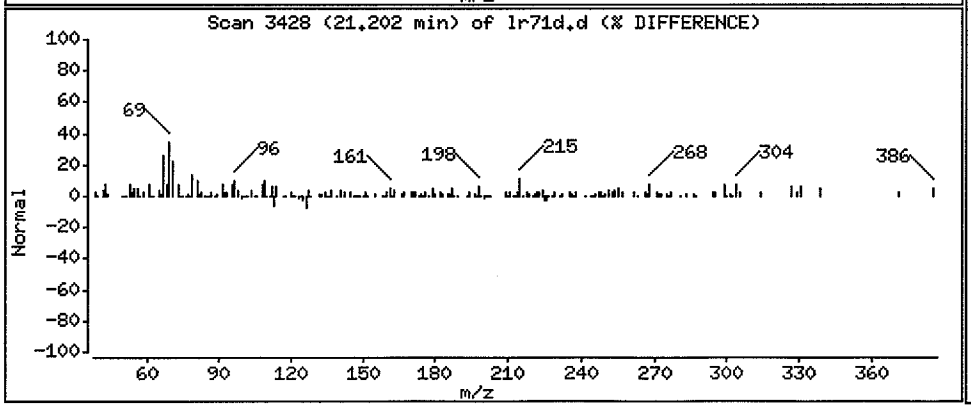
Column phase: ZB-5 Column diameter: 0.32

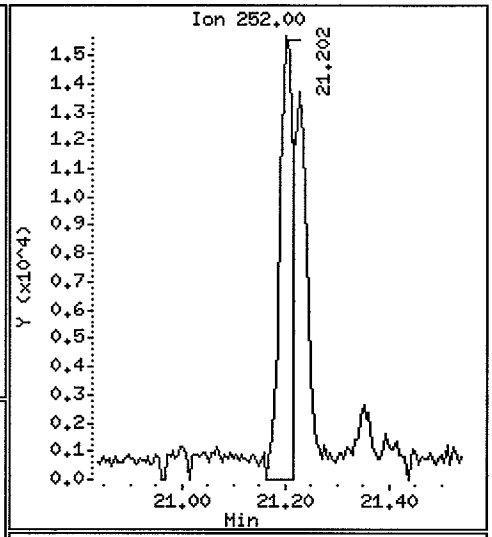
74 Benzo(b)fluoranthene Concentration: 12.58 ug/kg

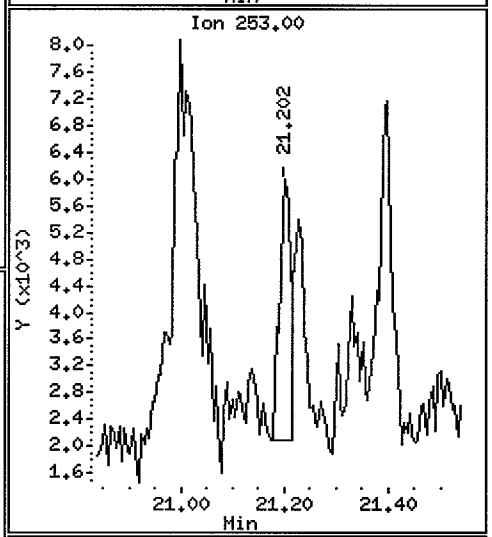


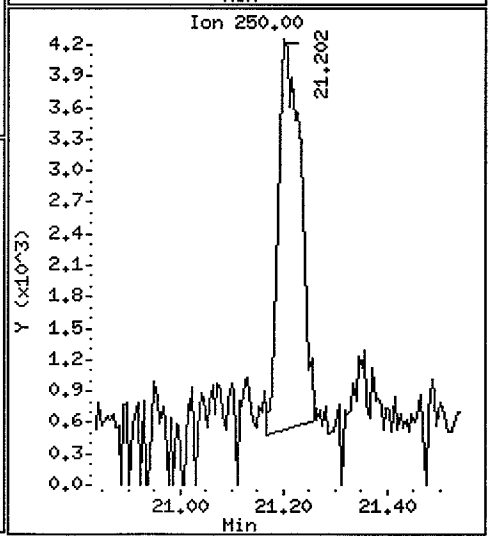












Data File: /chem1/nt6.i/20071018.b/lr71d.d

Date : 18-OCT-2007 16:21

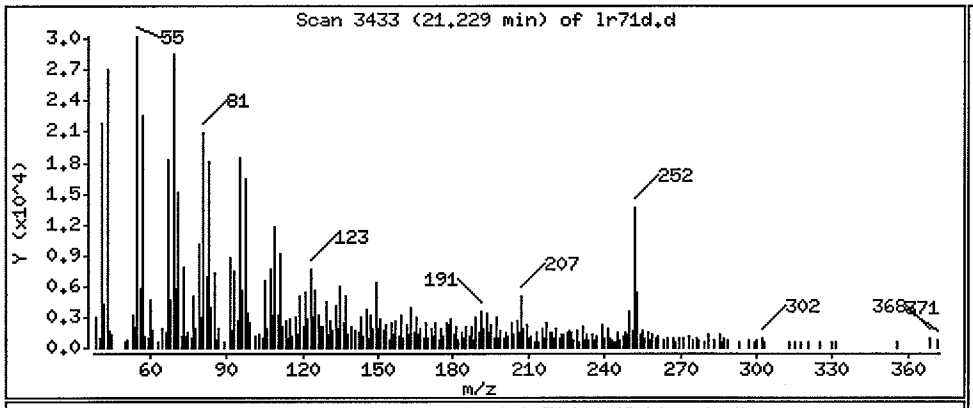
Client ID: AN-SS-07-070928 Instrument: nt6.i

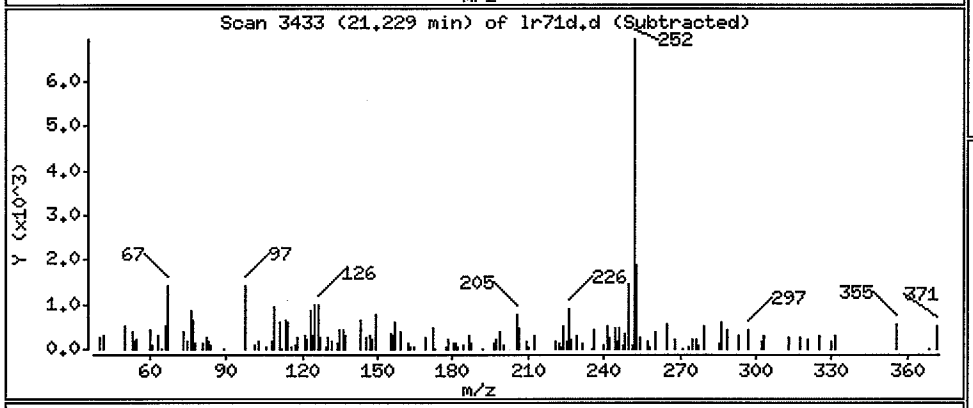
Sample Info: LR71D

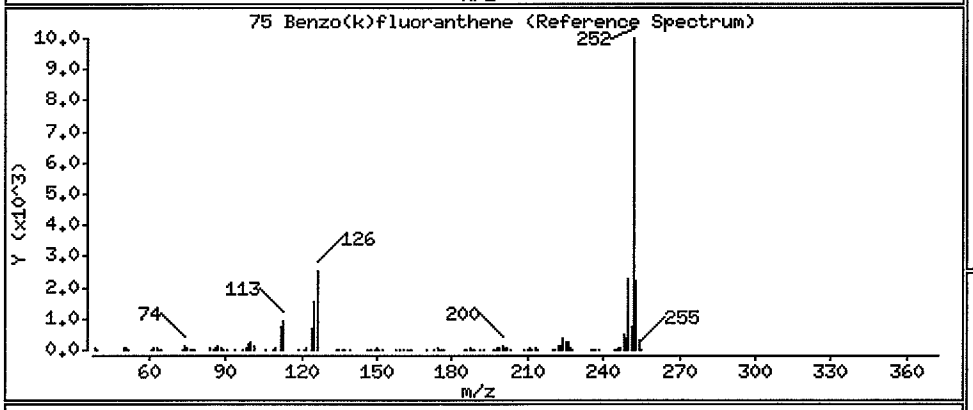
Volume Injected (uL): 1.0 Operator: LJR/VTS

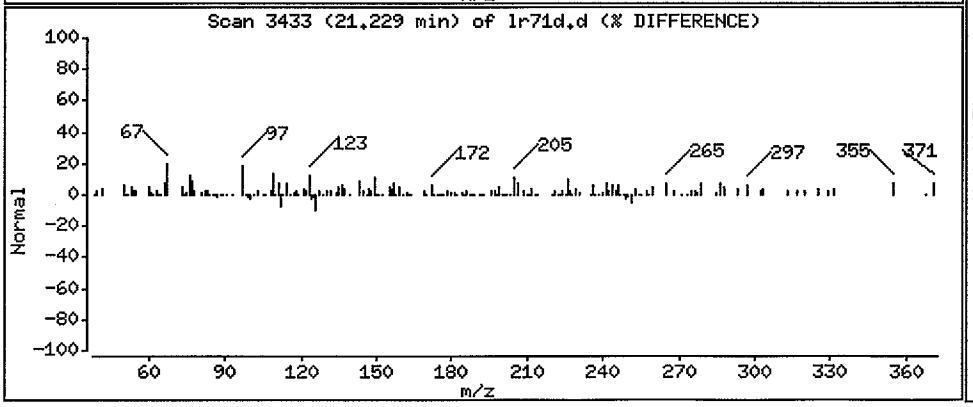
Column phase: ZB-5 Column diameter: 0.32

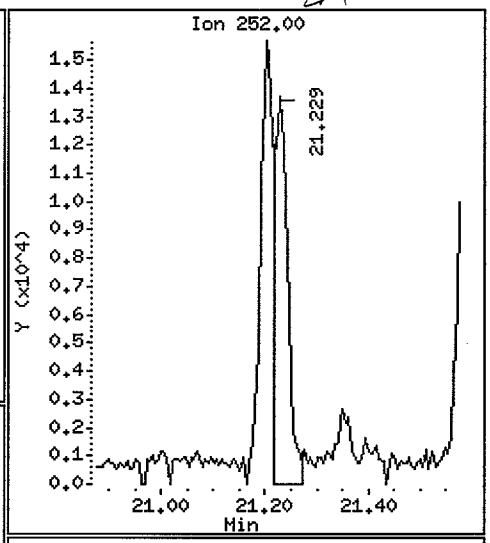
75 Benzo(k)fluoranthene Concentration: 10.08 ug/kg

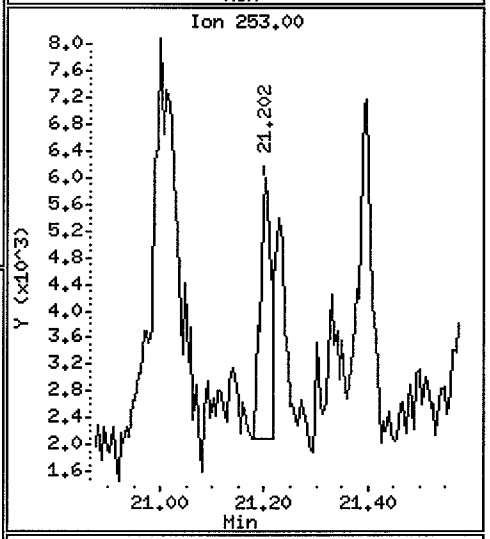


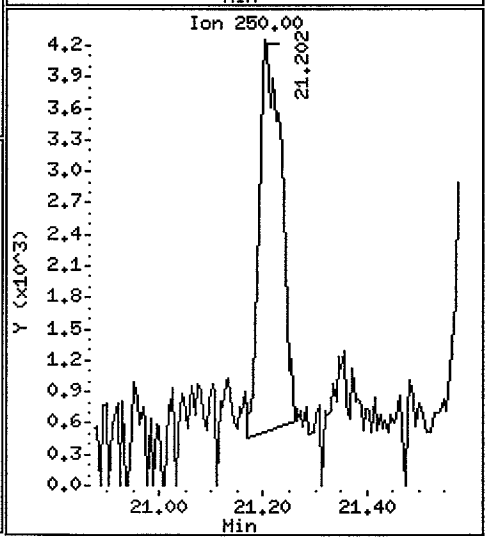












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-07-070928**
Page 1 of 2 **REEXTRACT**

Lab Sample ID: LR71D
LIMS ID: 07-20769
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 18:13
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 51.0 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 28.7%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**33**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	**Phenanthrene**	**20**	**28**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**51**
129-00-0	**Pyrene**	**20**	**41**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**50 B**
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-07-070928**
 REEXTRACT

Lab Sample ID: LR71D QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20769 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 18:13

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.0%	2-Fluorobiphenyl	59.2%
d14-p-Terphenyl	59.2%	d4-1,2-Dichlorobenzene	50.4%
d5-Phenol	60.0%	2-Fluorophenol	46.4%
2,4,6-Tribromophenol	61.1%	d4-2-Chlorophenol	57.1%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071101.b/lr71d2.d
Lab Smp Id: LR71DRE
Inj Date : 01-NOV-2007 18:13
Operator : VTS Inst ID: nt4.i
Smp Info : LR71DRE
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt4.i/20071101.b/SW846.m
Meth Date : 02-Nov-2007 11:41 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 11:04 Cal File: 0801001.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJK 11/2/07

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	25.00000	Weight of sample extracted (g)
M	0.00000	% 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	4.858	4.748	(0.712)	251770	17.3643	347.3
$ 2	Phenol-d5	99	6.514	6.489	(0.955)	364952	22.4876	449.8
3	Phenol	94	6.535	6.505	(0.958)	14570	0.75594 LDL	15.12
$ 5	2-Chlorophenol-d4	132	6.546	6.521	(0.959)	257799	21.4148	428.3
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	6.824	6.820	(1.000)	171353	20.0000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	7.123	7.114	(1.044)	97644	12.6058	252.1
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	7.700	7.686	(1.128)	22072	1.70308	34.06
$	18 Nitrobenzene-d5	82	7.775	7.771	(0.877)	234851	14.0032	280.1
	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	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.870	8.872	(1.000)	635791	20.0000	
	28 Naphthalene	128	8.896	8.899	(1.003)	24557	0.62914 LDL	12.58
	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	10.675	10.677	(0.914)	326596	14.8215	296.4
	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	11.685	11.682	(1.000)	319126	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	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	Compound Not Detected.					
	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	12.962	12.953	(1.109)	63018	22.9393	458.8
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.998	14.000	(1.000)	452619	20.0000	
	60 Phenanthrene	178	14.036	14.032	(1.003)	44665	1.42785	28.56
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
	63 Di-n-butylphthalate	149	Compound Not Detected.					
	64 Fluoranthene	202	15.932	15.923	(1.138)	87953	2.59700	51.94
	65 Pyrene	202	16.269	16.260	(0.892)	75278	2.08364	41.67
$	66 Terphenyl-d14	244	16.648	16.634	(0.913)	308469	14.7901	295.8
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	18.202	18.199	(0.999)	25165	0.75109 LDL	15.02
*	69 Chrysene-d12	240	18.229	18.221	(1.000)	450806	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	18.261	18.258	(1.002)	29669	0.90023 LDL	18.00
	72 bis(2-Ethylhexyl)phthalate	149	18.587	18.578	(0.953)	50938	2.54479 B	50.90
*	134 Di-n-octylphthalate-d4	153	19.506	19.503	(1.000)	635306	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	19.821	19.818	(0.975)	26267	0.78400 LDL	15.68
	75 Benzo(k)fluoranthene	252	19.842	19.850	(0.976)	22358	0.63171	12.63(M)
	76 Benzo(a)pyrene	252	20.254	20.245	(0.996)	17975	0.60243	12.05(M)
*	77 Perylene-d12	264	20.339	20.325	(1.000)	492085	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					
	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: nt4.i
Lab File ID: lr71d2.d
Lab Smp Id: LR71DRE
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

Calibration Date: 01-NOV-2007
Calibration Time: 14:35

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	145384	72692	290768	171353	17.86
27 Naphthalene-d8	530525	265262	1061050	635791	19.84
42 Acenaphthene-d10	280701	140350	561402	319126	13.69
59 Phenanthrene-d10	391934	195967	783868	452619	15.48
69 Chrysene-d12	354658	177329	709316	450806	27.11
134 Di-n-octylphthala	506314	253157	1012628	635306	25.48
77 Perylene-d12	400782	200391	801564	492085	22.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.82	6.32	7.32	6.82	0.05
27 Naphthalene-d8	8.87	8.37	9.37	8.87	-0.02
42 Acenaphthene-d10	11.68	11.18	12.18	11.68	0.03
59 Phenanthrene-d10	14.00	13.50	14.50	14.00	-0.02
69 Chrysene-d12	18.22	17.72	18.72	18.23	0.05
134 Di-n-octylphthala	19.50	19.00	20.00	19.51	0.02
77 Perylene-d12	20.33	19.83	20.83	20.34	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: /chem3/nt4.i/20071101.b/lr71d2.d
Report Date: 02-Nov-2007 11:41

Analytical Resources, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: LR71DRE
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

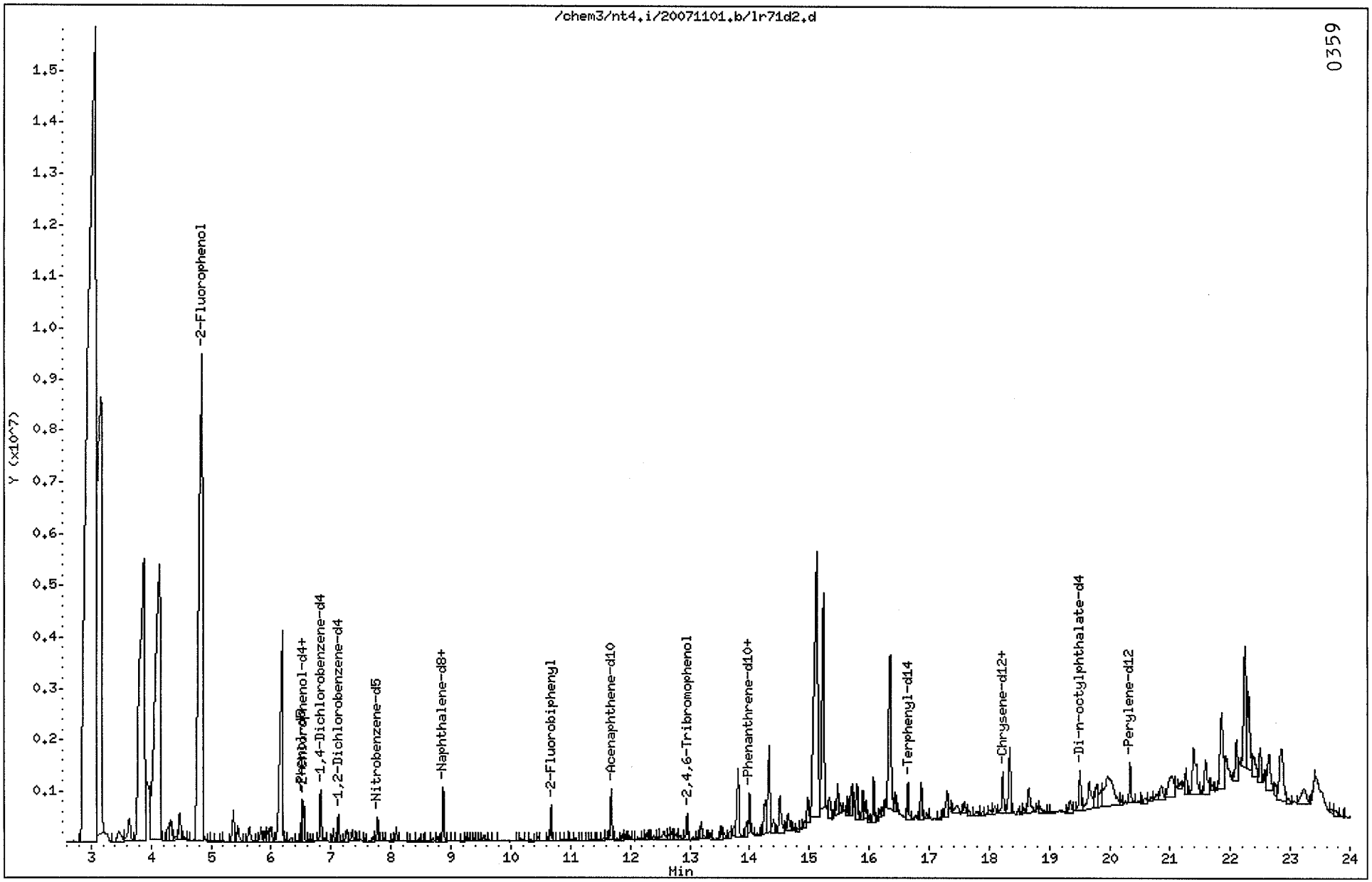
Client SDG: 20071101
Fraction: SV

Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	347.3	46.30	11-84
$ 2 Phenol-d5	750.0	449.8	59.97	25-86
$ 5 2-Chlorophenol-d4	750.0	428.3	57.11	23-91
$ 10 1,2-Dichlorobenzen	500.0	252.1	50.42	24-90
$ 18 Nitrobenzene-d5	500.0	280.1	56.01	26-88
$ 36 2-Fluorobiphenyl	500.0	296.4	59.29	34-91
$ 55 2,4,6-Tribromophen	750.0	458.8	61.17	25-107
$ 66 Terphenyl-d14	500.0	295.8	59.16	22-100

Data File: /chem3/nt4.i/20071101.b/lr71d2.d
Date : 01-NOV-2007 18:13
Client ID:
Sample Info: LR71DRE
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt4.i
Operator: VTS
Column diameter: 0.32



Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

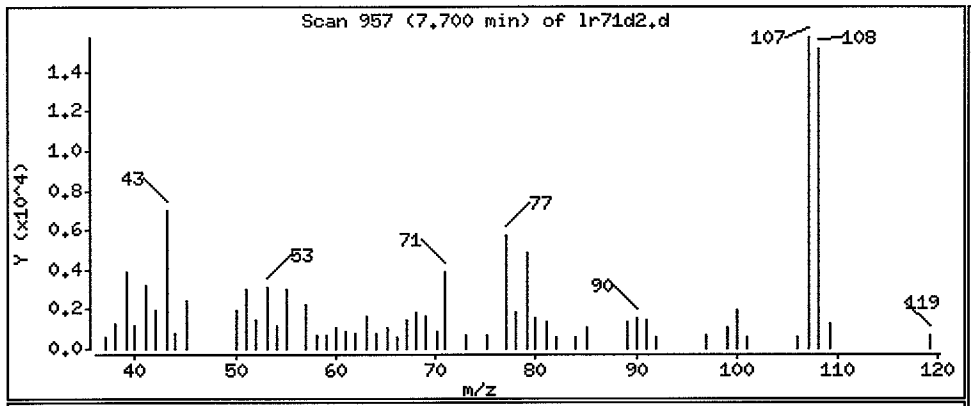
Operator: VTS

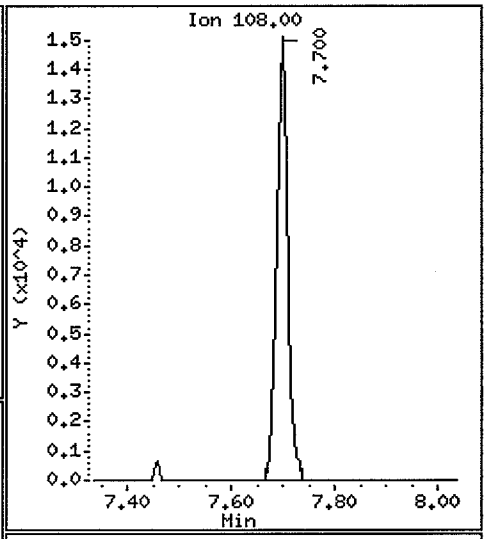
Column phase: ZB-5

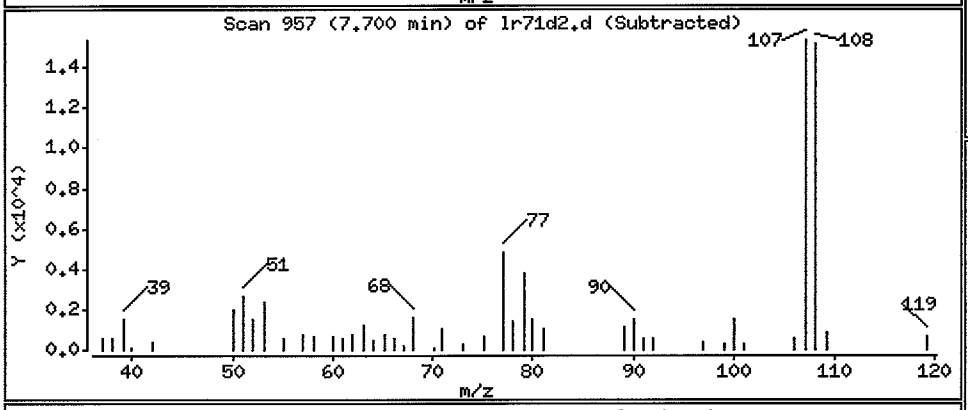
Column diameter: 0.32

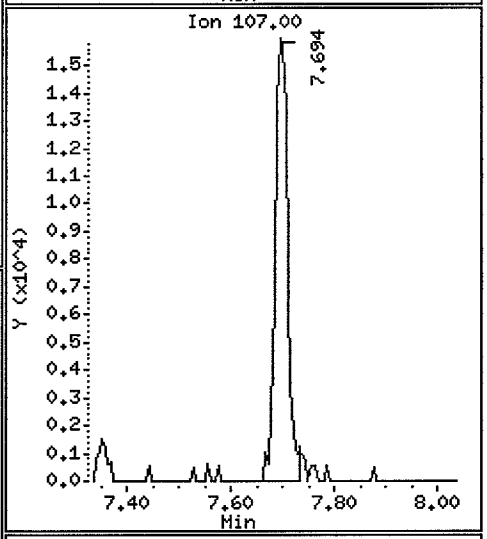
15 4-Methylphenol

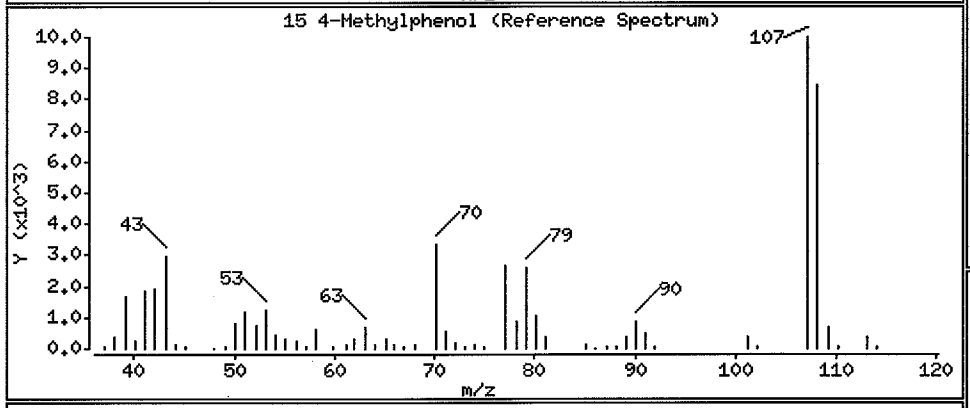
Concentration: 34.06 ug/Kg

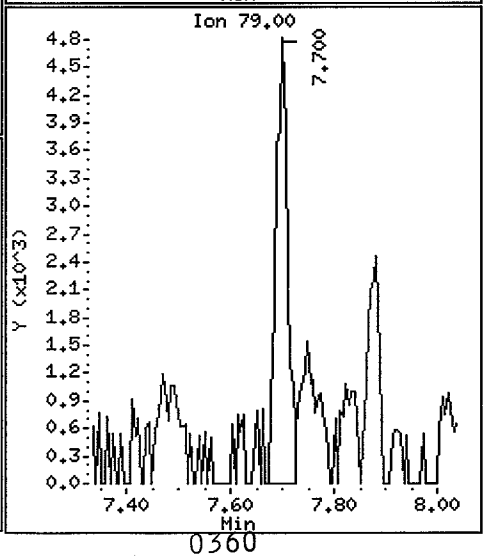


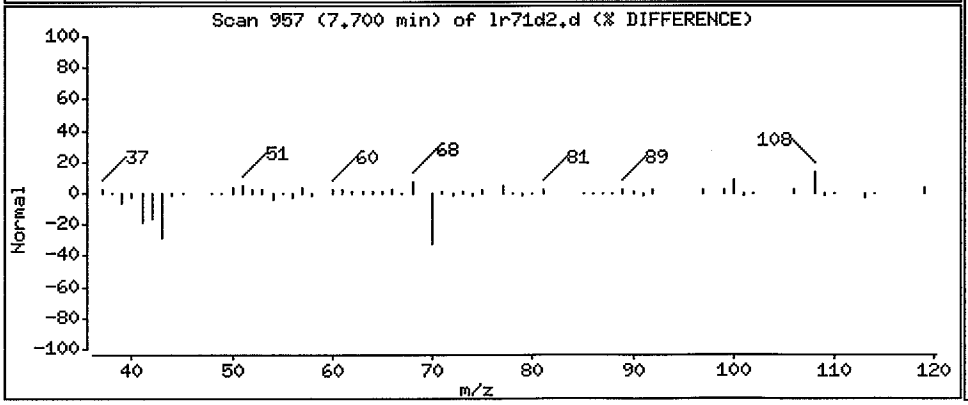












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

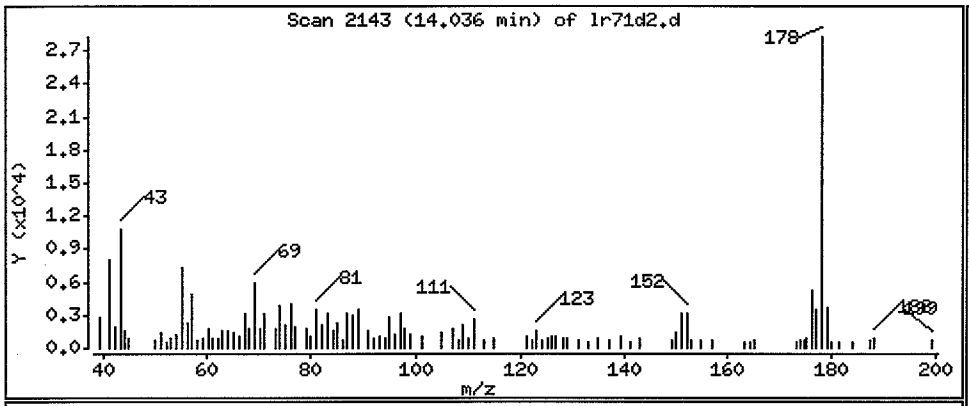
Operator: VTS

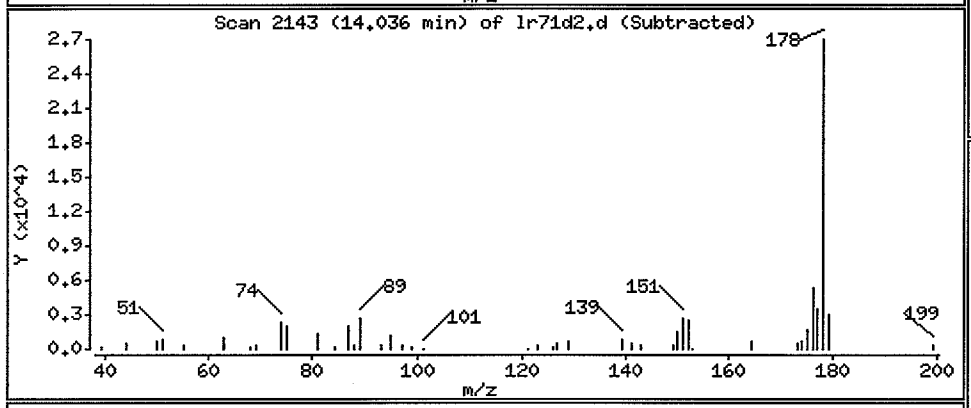
Column phase: ZB-5

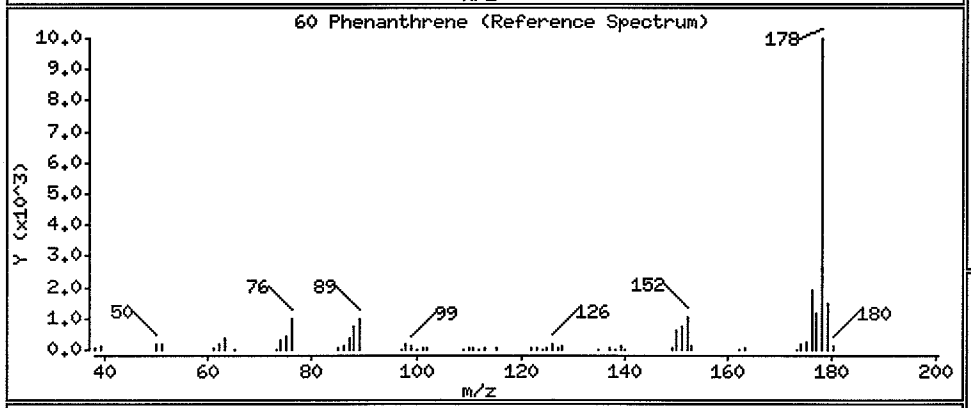
Column diameter: 0.32

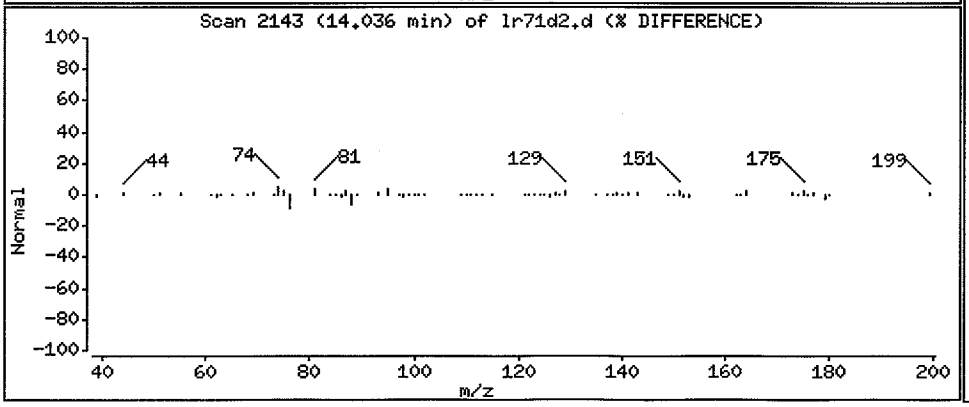
60 Phenanthrene

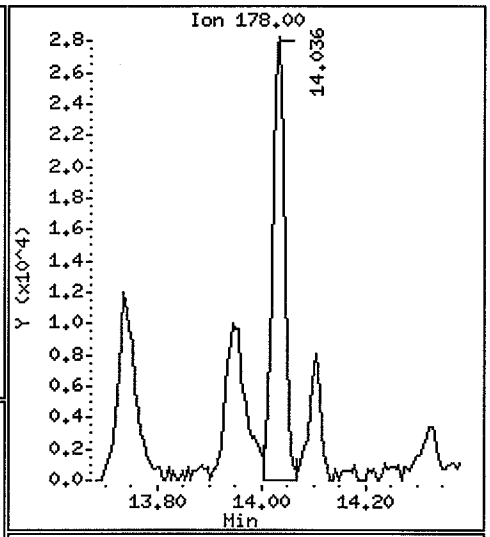
Concentration: 28.56 ug/Kg

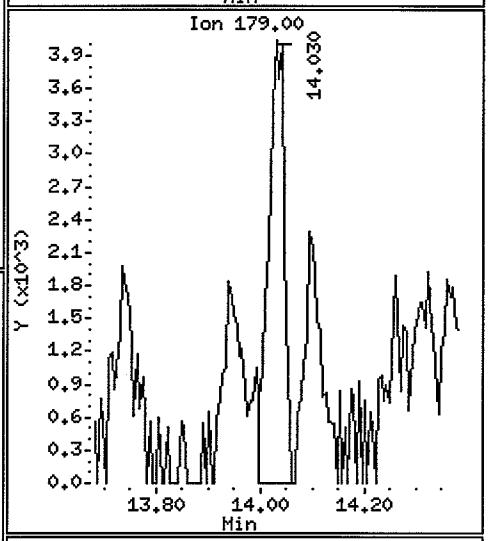


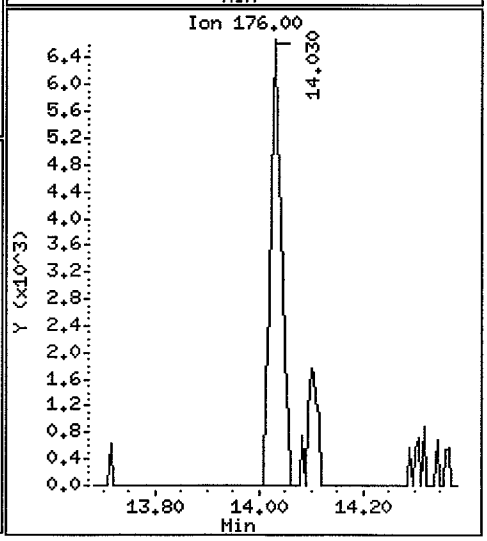












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

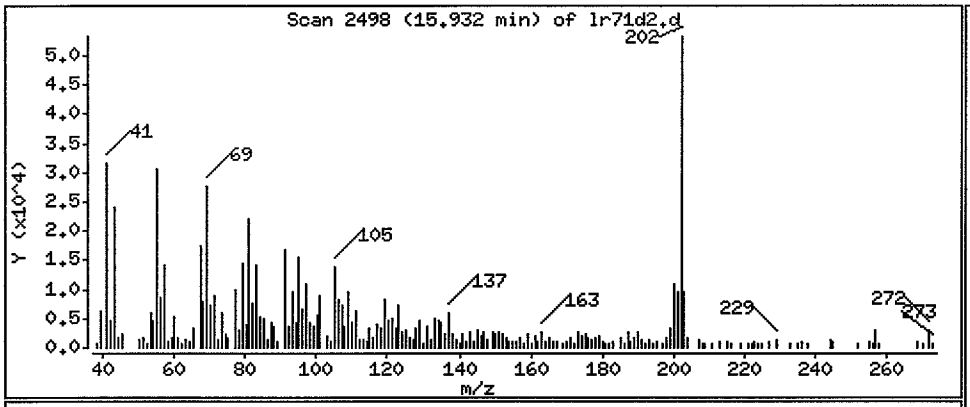
Operator: VTS

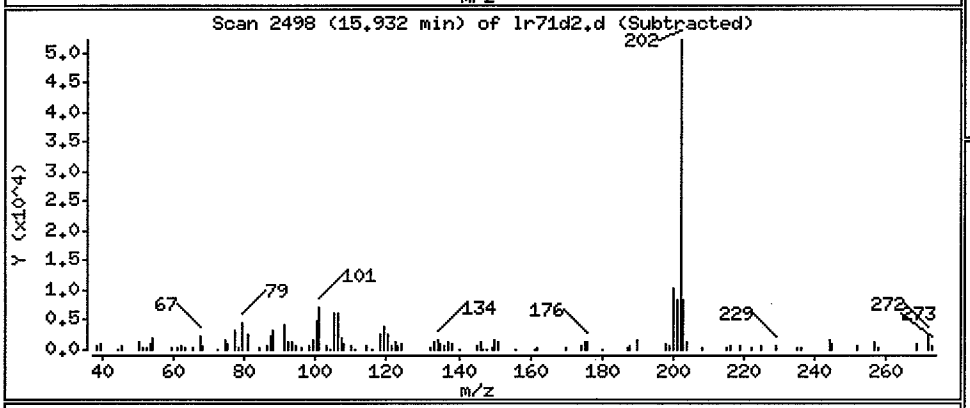
Column phase: ZB-5

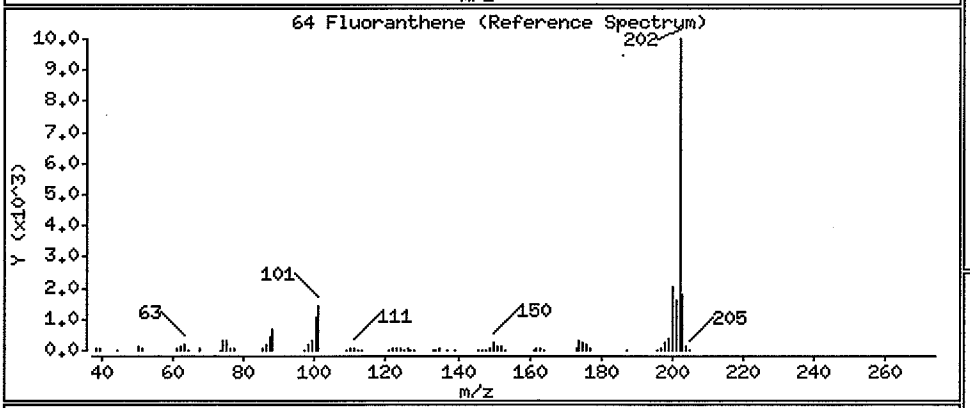
Column diameter: 0.32

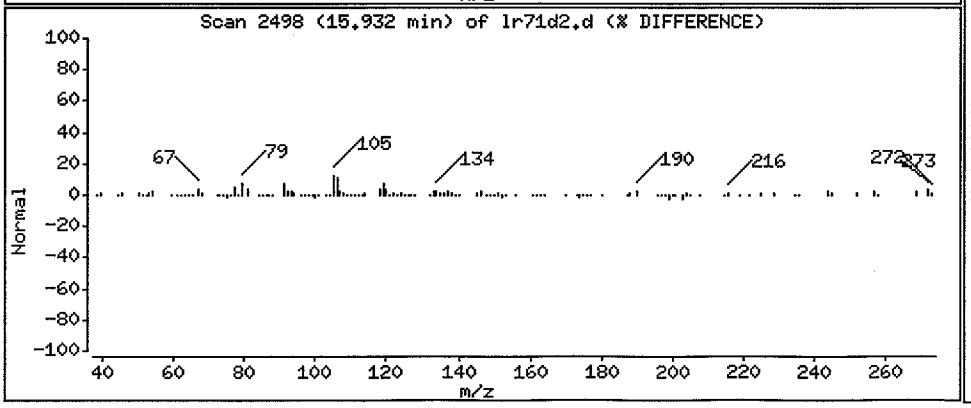
64 Fluoranthene

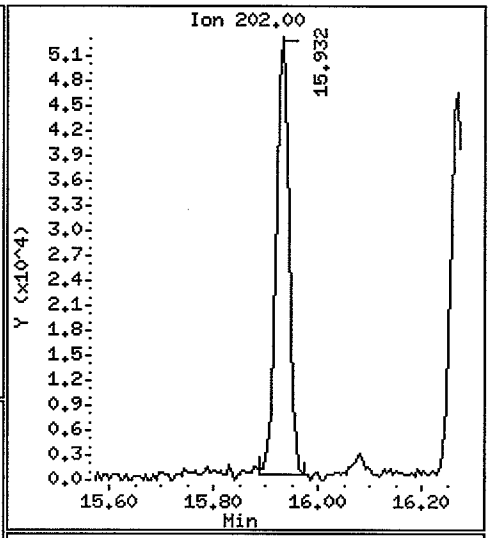
Concentration: 51.94 ug/Kg

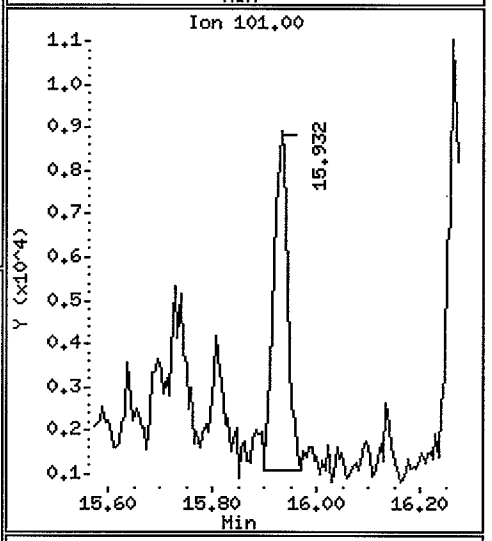


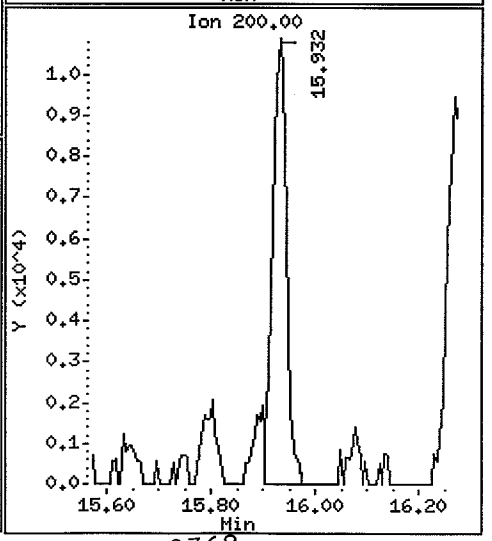












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

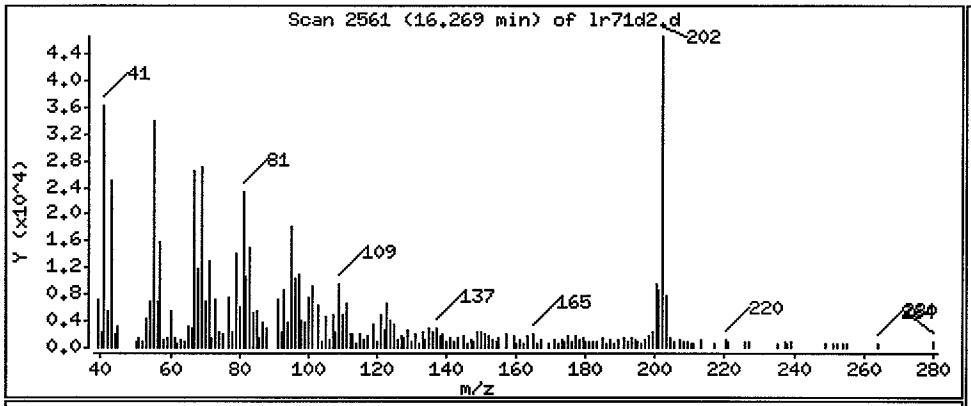
Operator: VTS

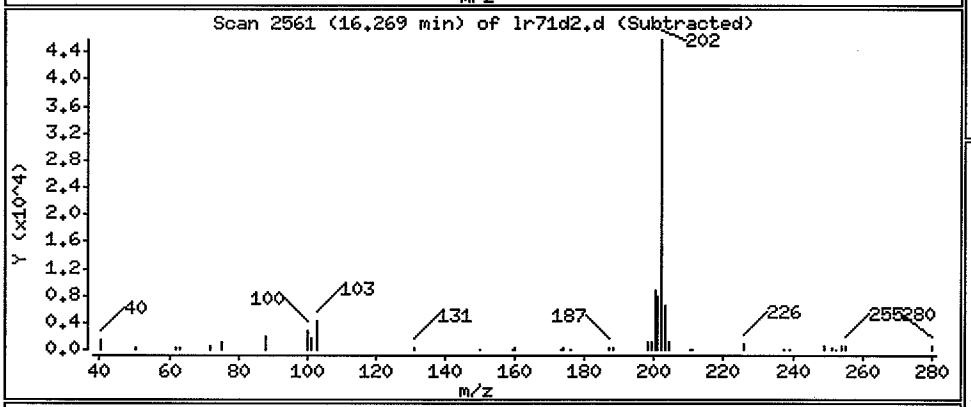
Column phase: ZB-5

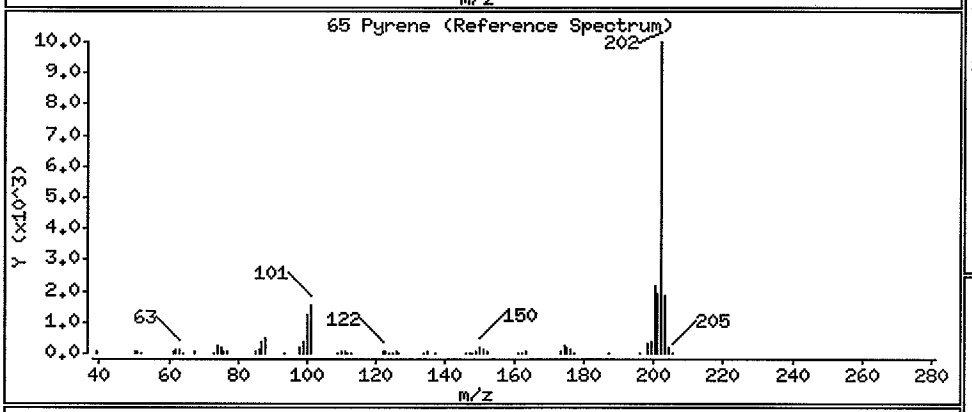
Column diameter: 0.32

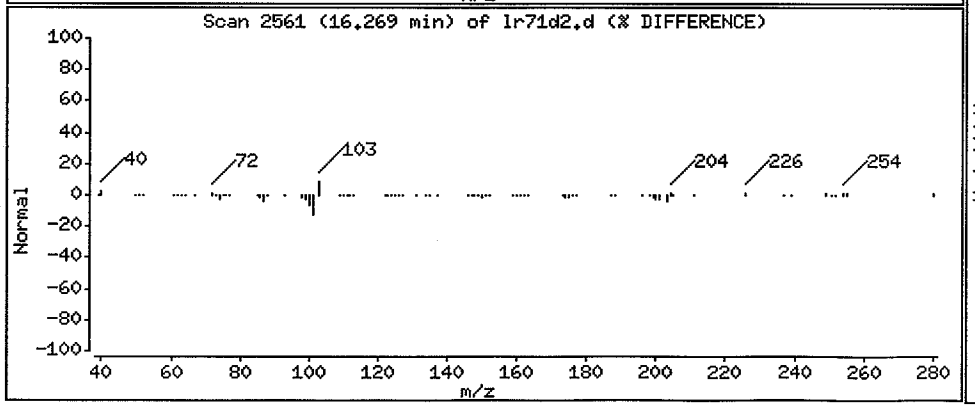
65 Pyrene

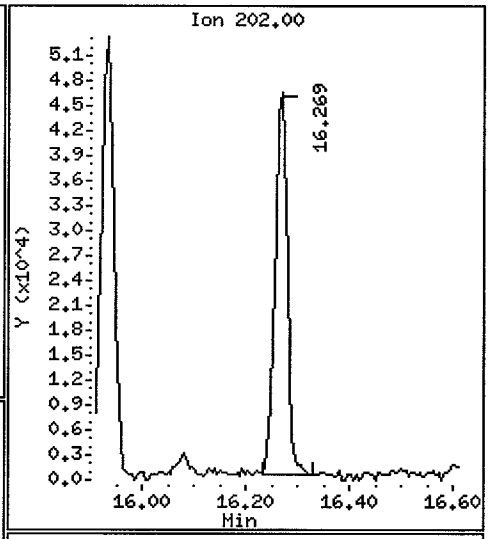
Concentration: 41.67 ug/Kg

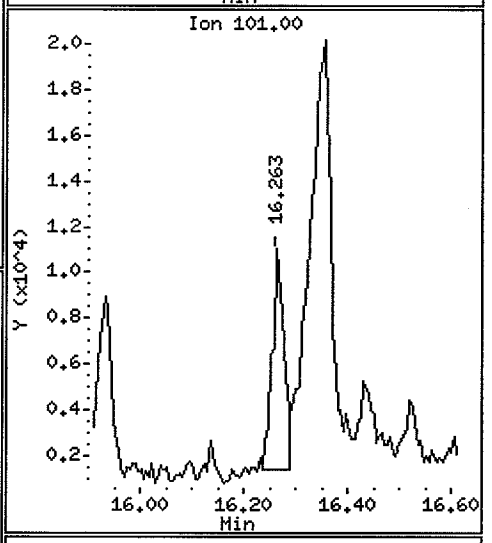


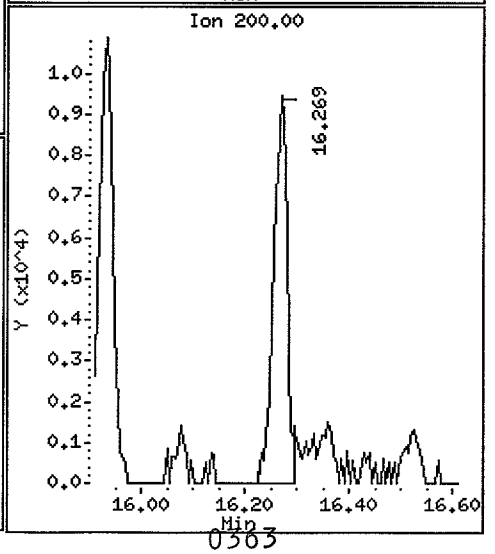












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

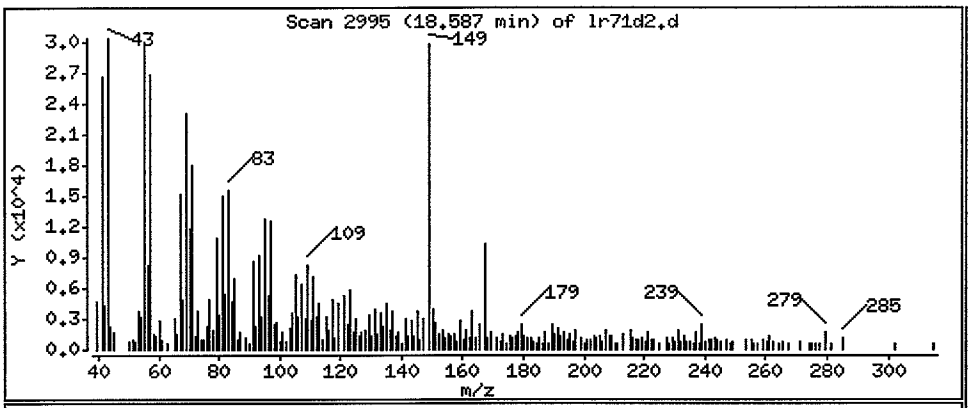
Operator: VTS

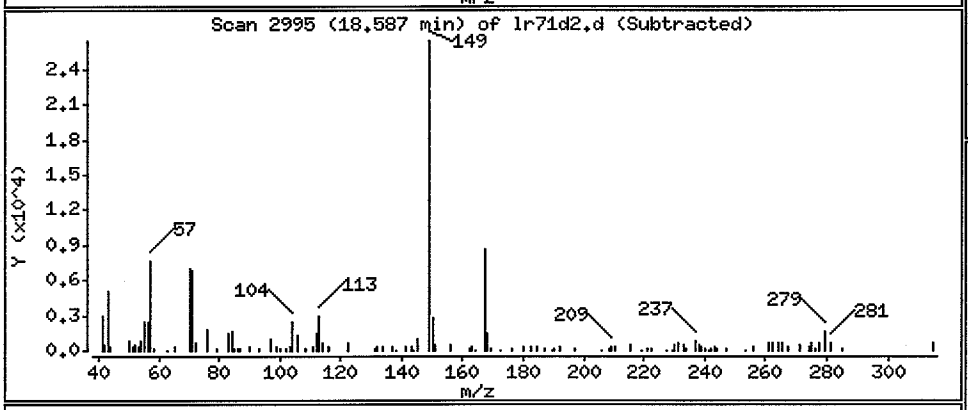
Column phase: ZB-5

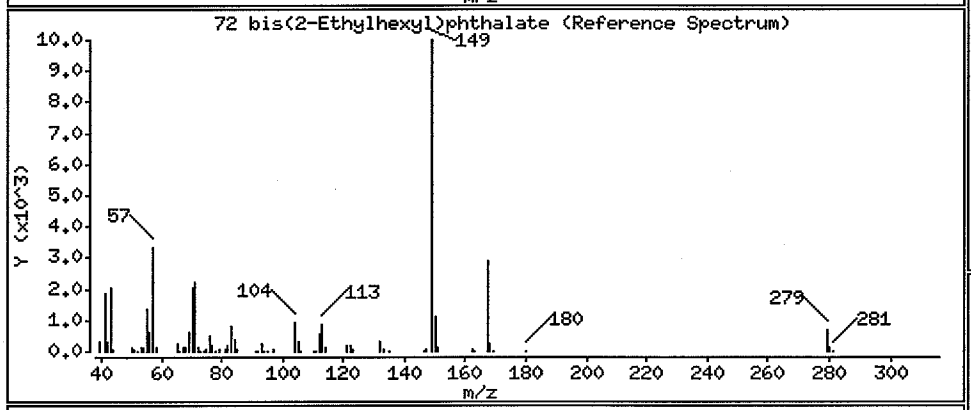
Column diameter: 0.32

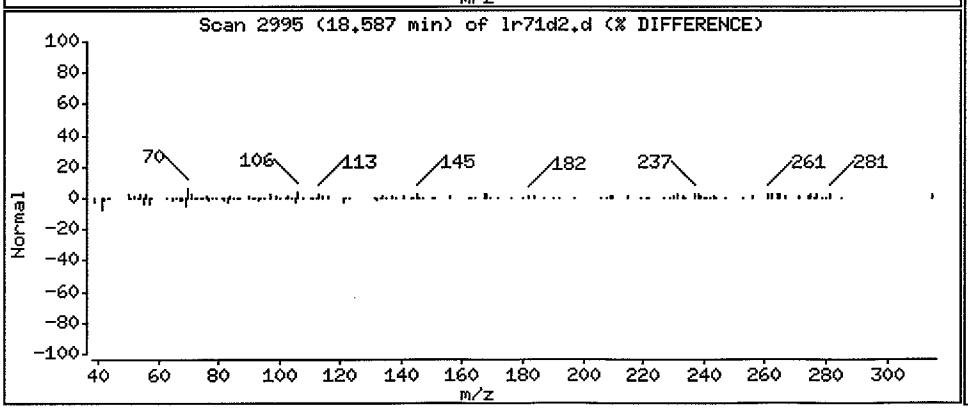
72 bis(2-Ethylhexyl)phthalate

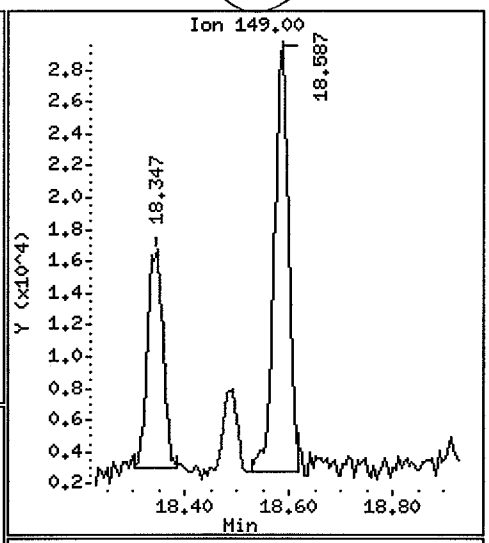
Concentration: 50.90 ug/Kg

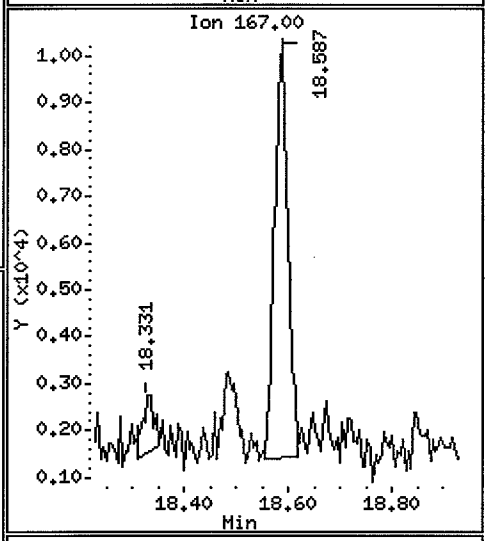


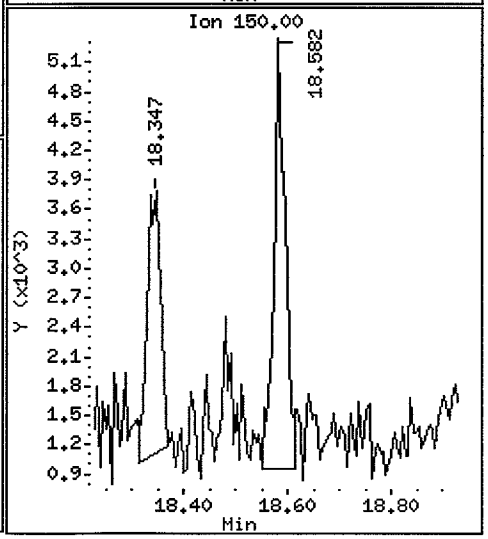












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

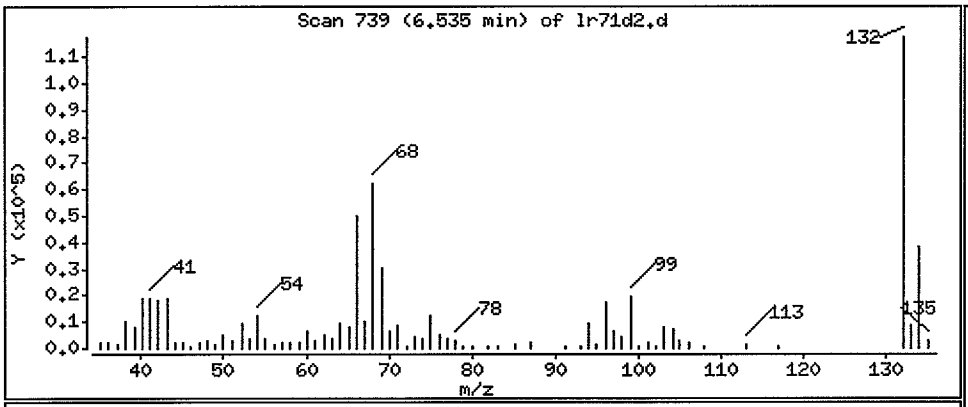
Operator: VTS

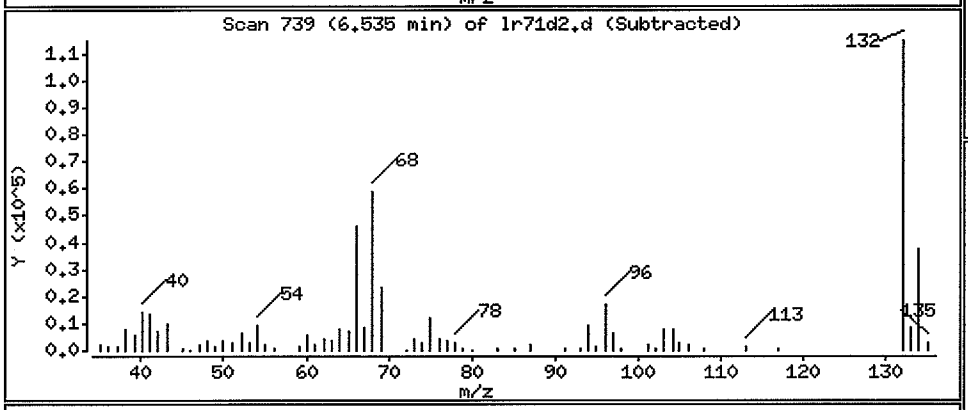
Column phase: ZB-5

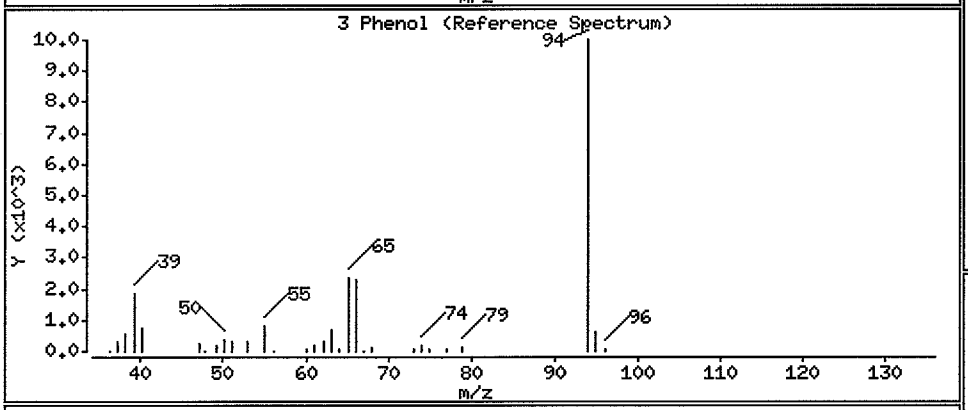
Column diameter: 0.32

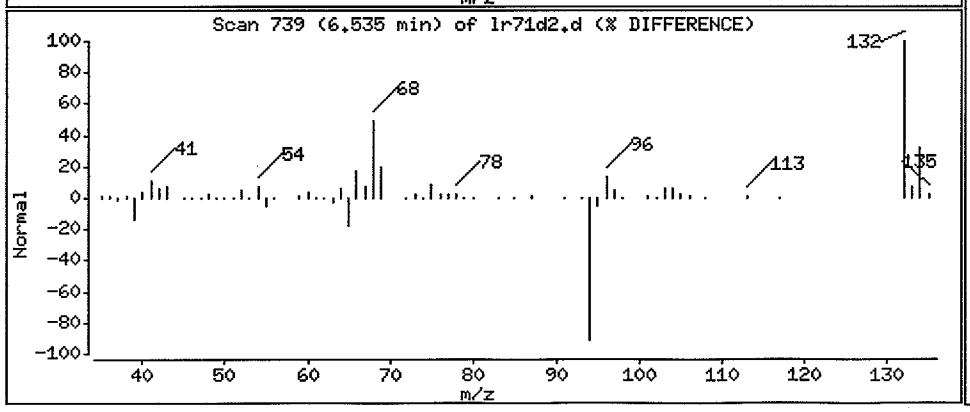
3 Phenol

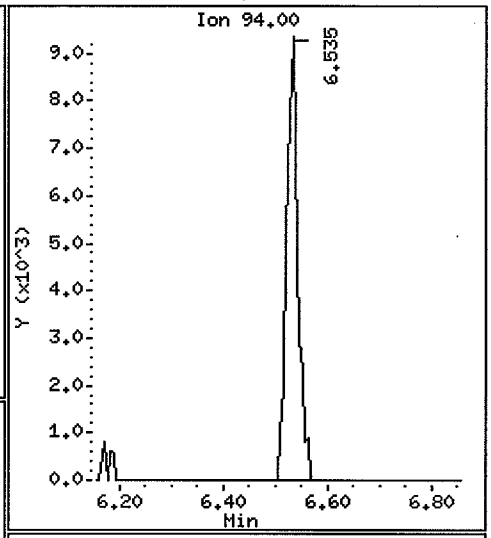
Concentration: 15.12 ug/Kg

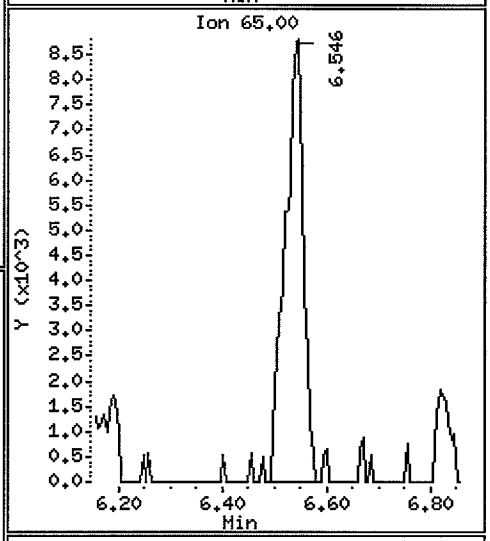


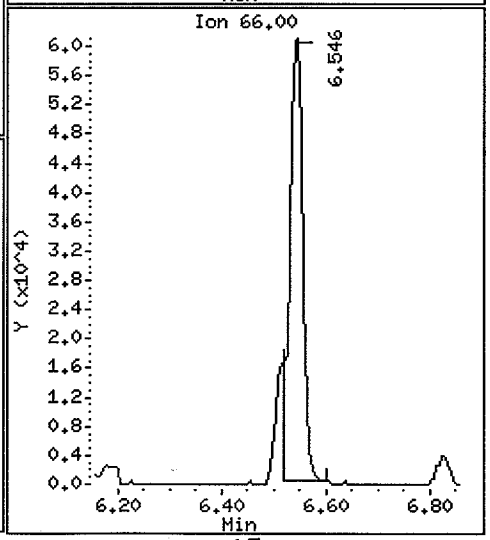












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

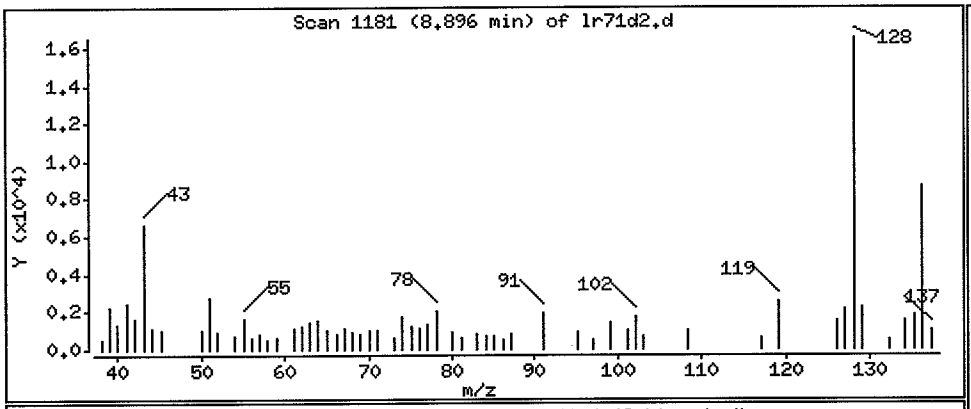
Operator: VTS

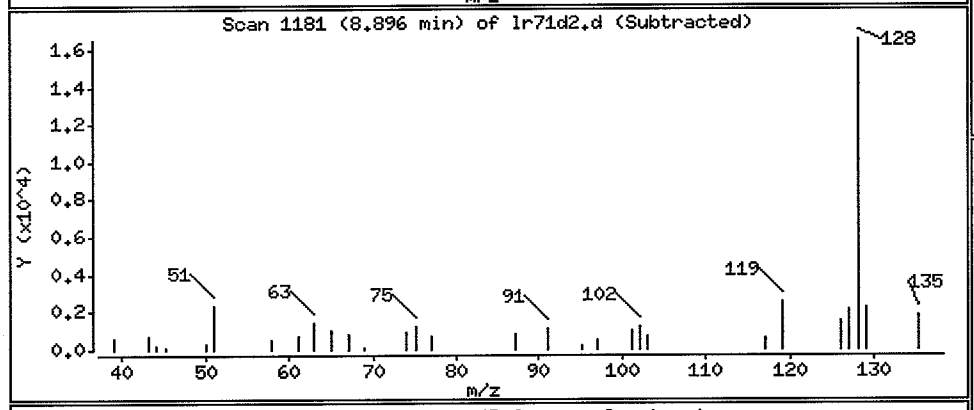
Column phase: ZB-5

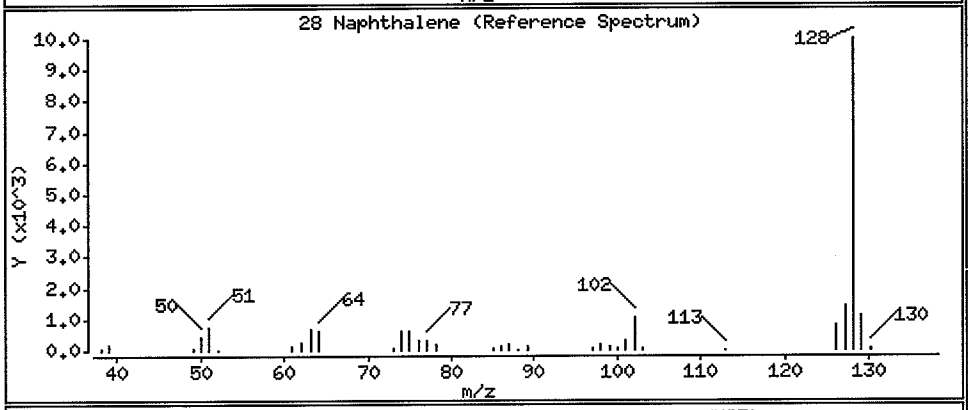
Column diameter: 0.32

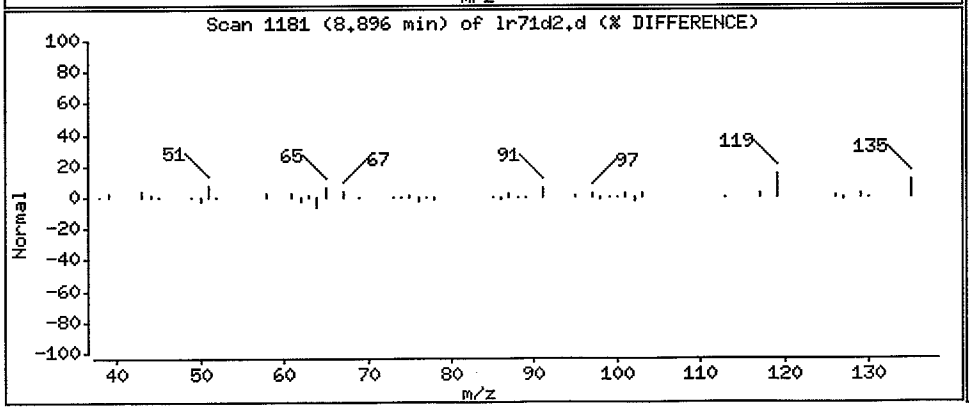
28 Naphthalene

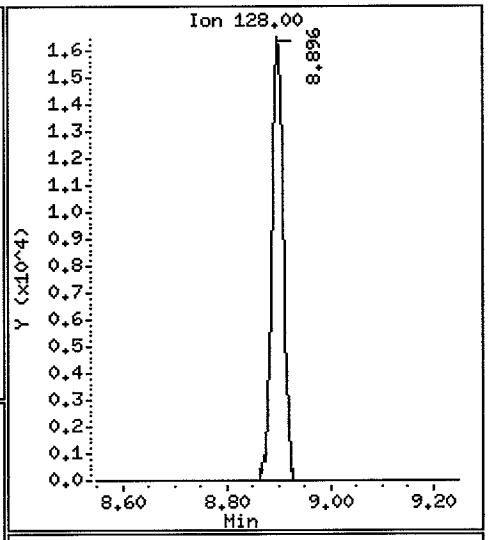
Concentration: 12.58 ug/Kg

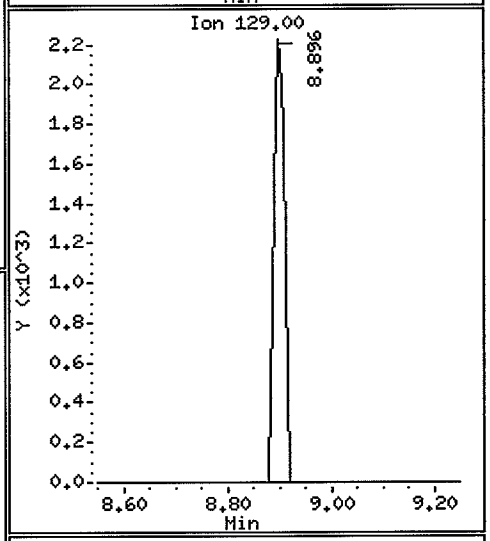


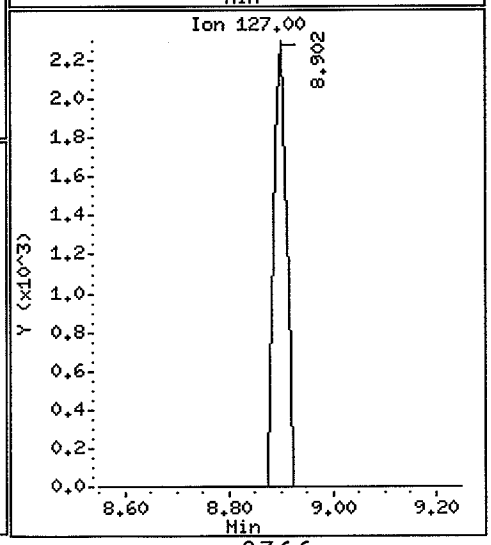












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

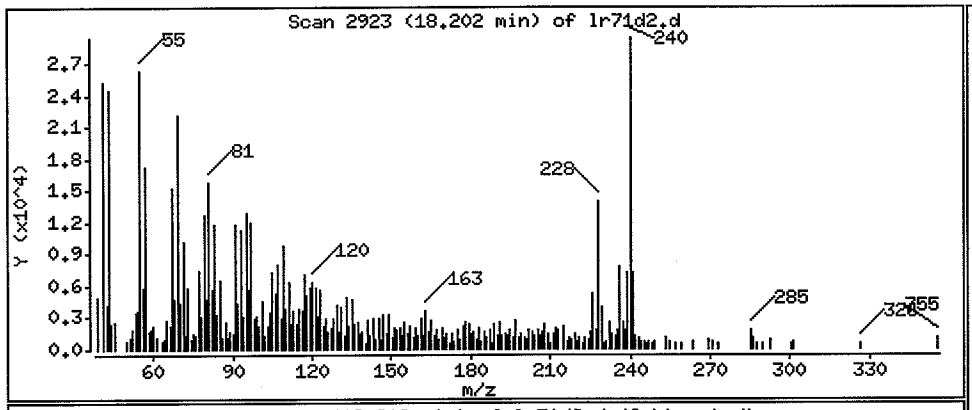
Operator: VTS

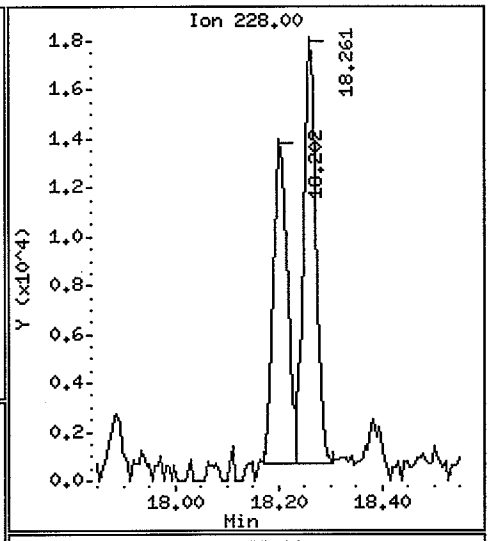
Column phase: ZB-5

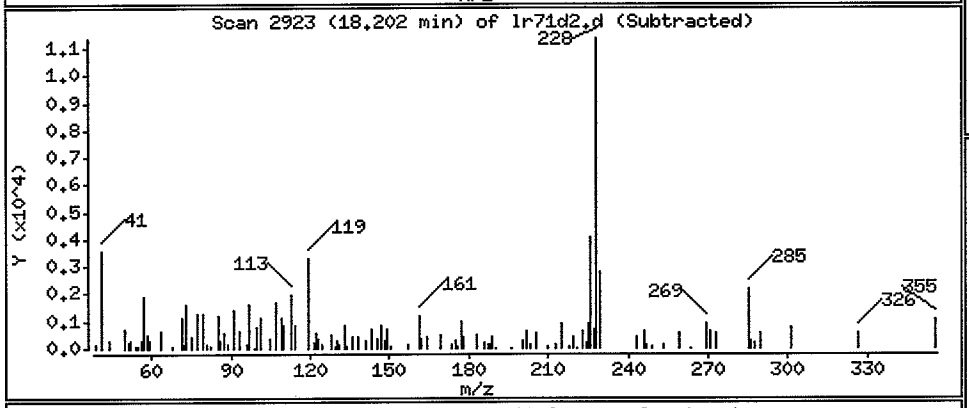
Column diameter: 0.32

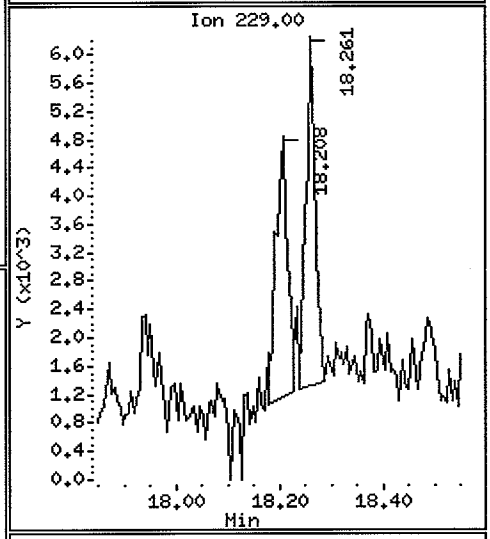
68 Benzo(a)anthracene

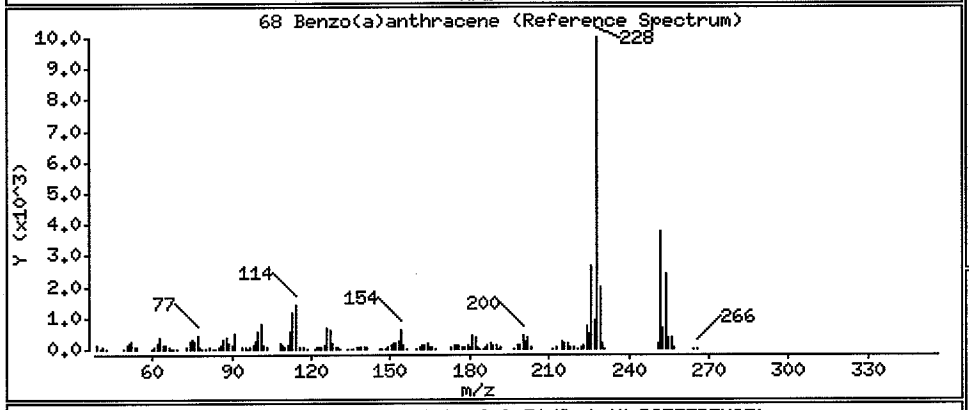
Concentration: 15.02 ug/Kg

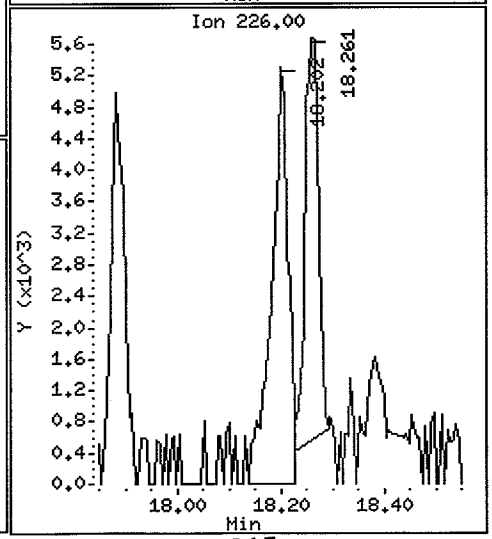


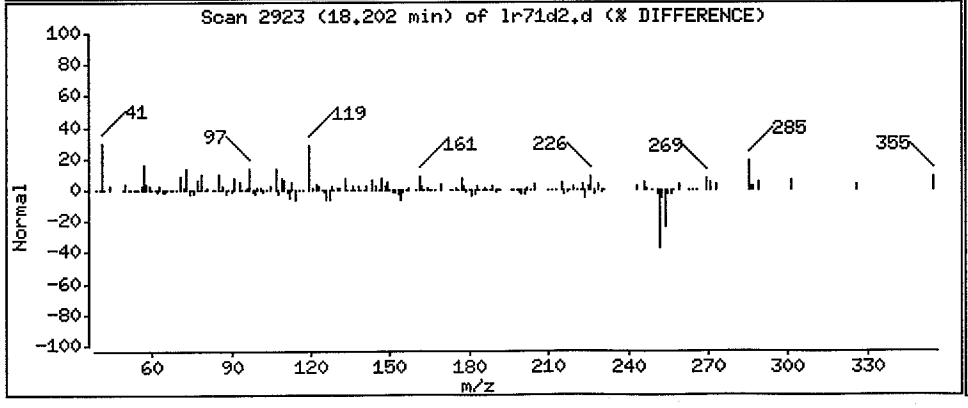












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

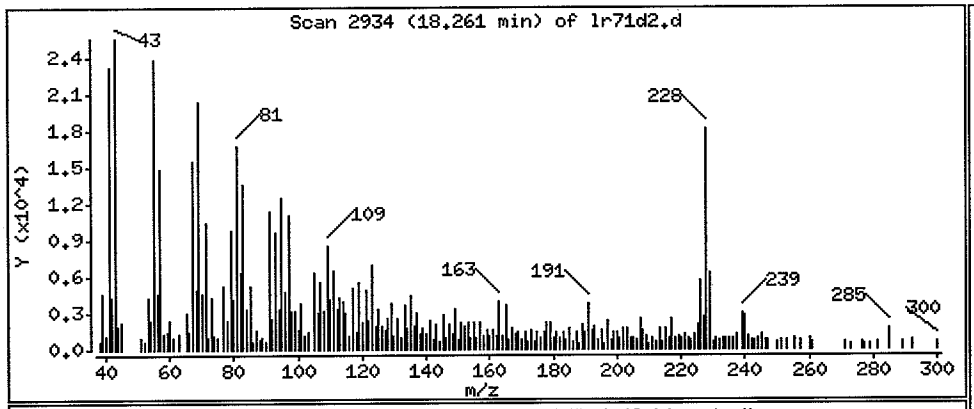
Operator: VTS

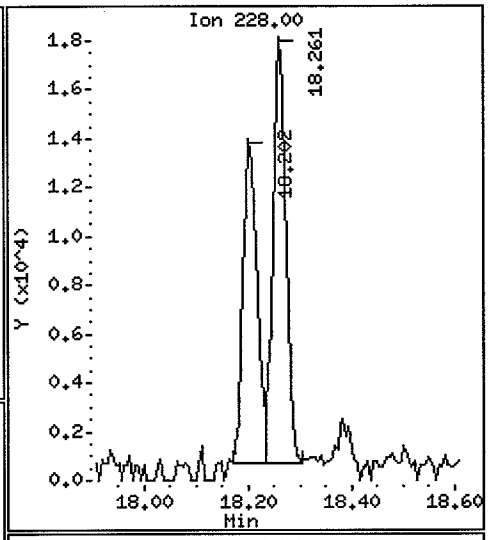
Column phase: ZB-5

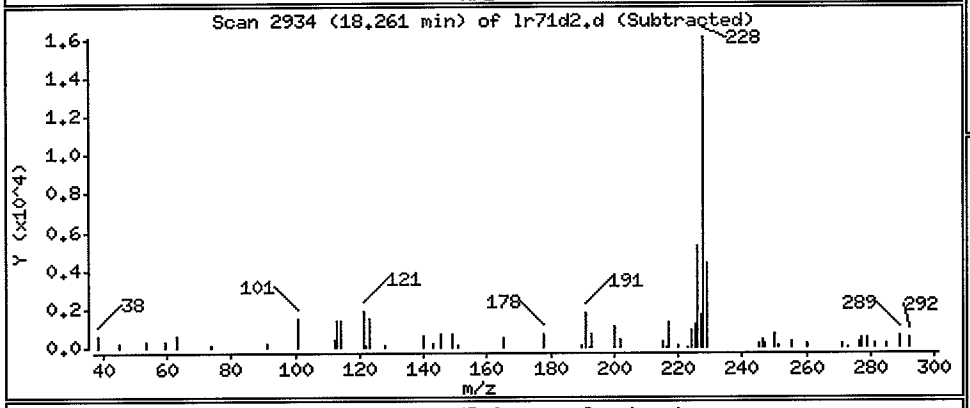
Column diameter: 0.32

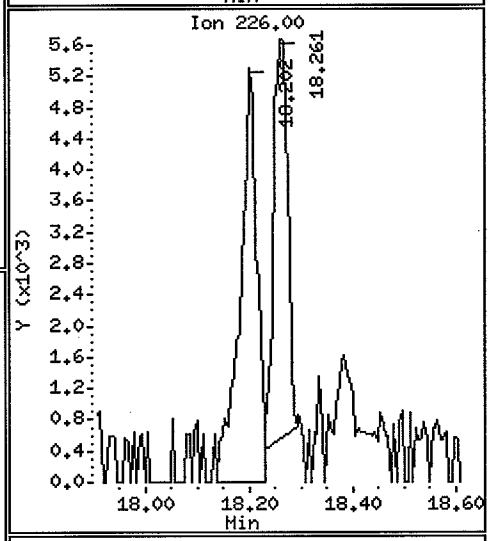
71 Chrysene

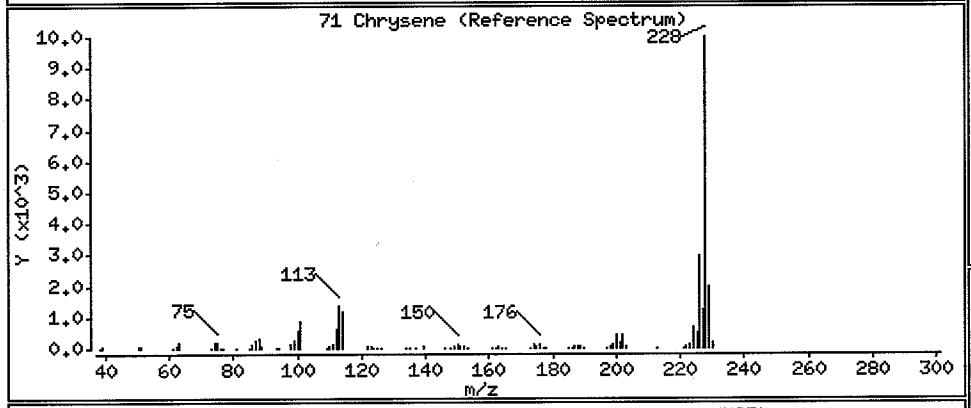
Concentration: 18.00 ug/Kg

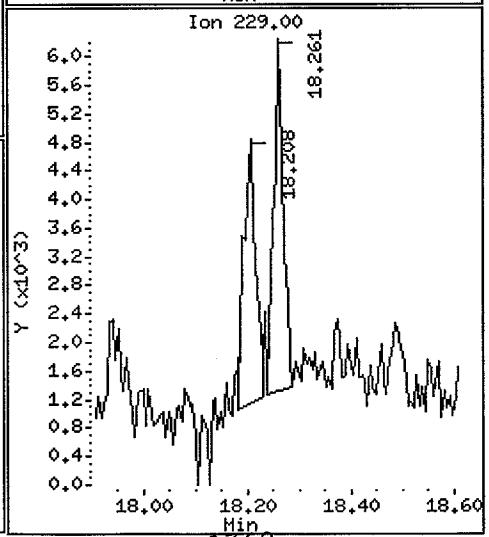


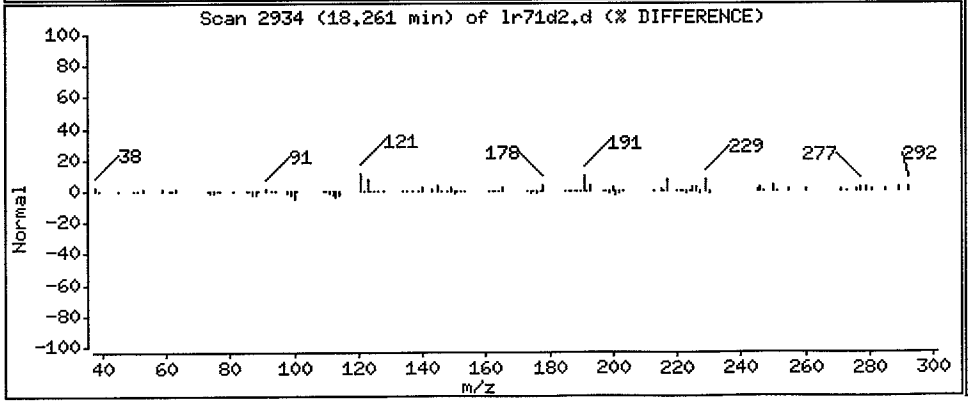












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

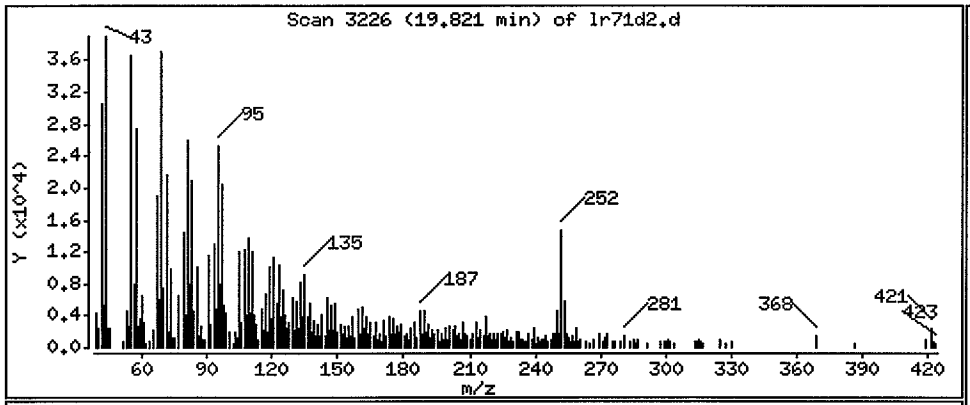
Operator: VTS

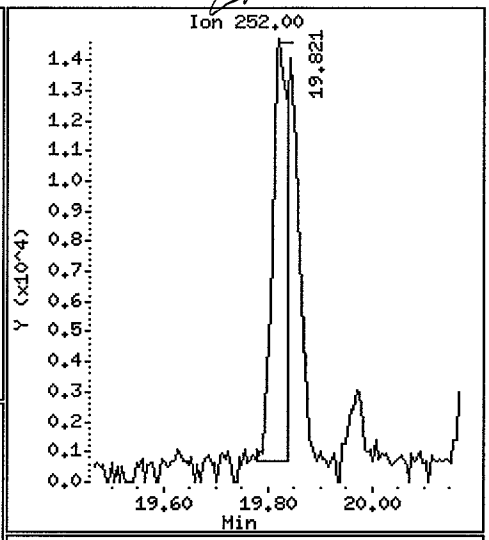
Column phase: ZB-5

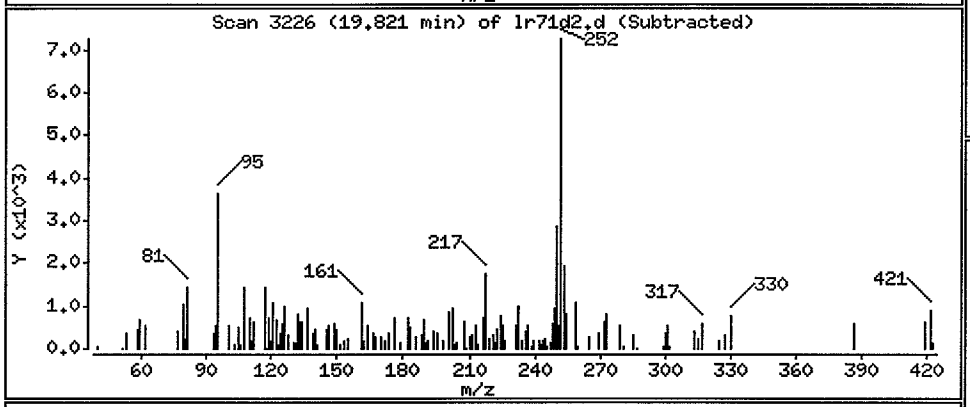
Column diameter: 0.32

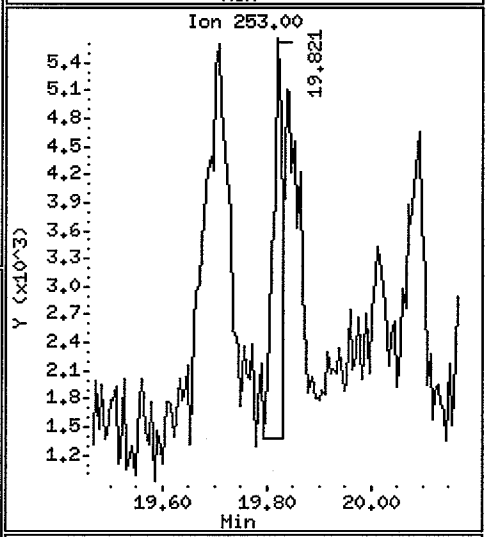
74 Benzo(b)fluoranthene

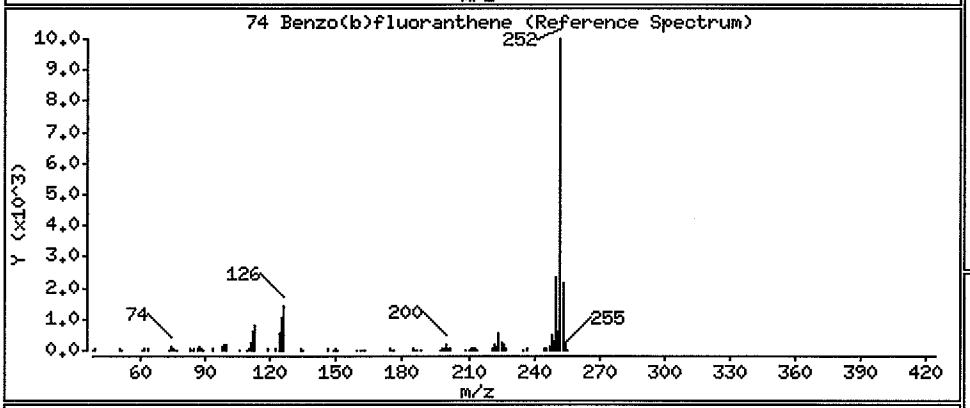
Concentration: 15.68 ug/Kg

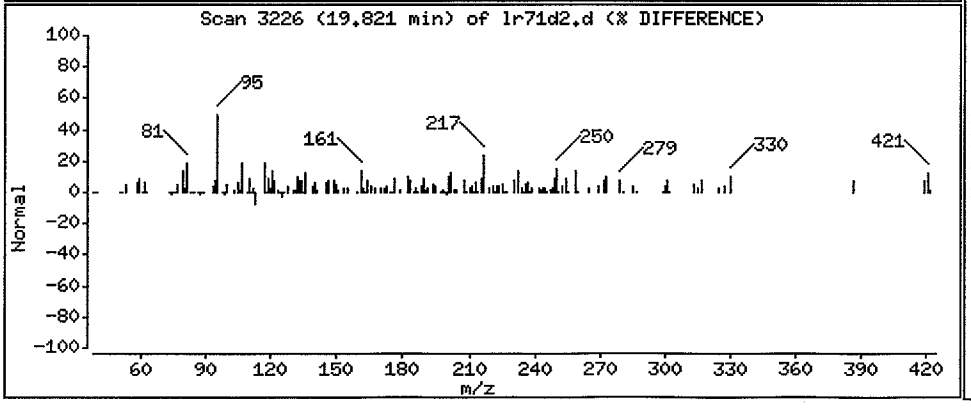


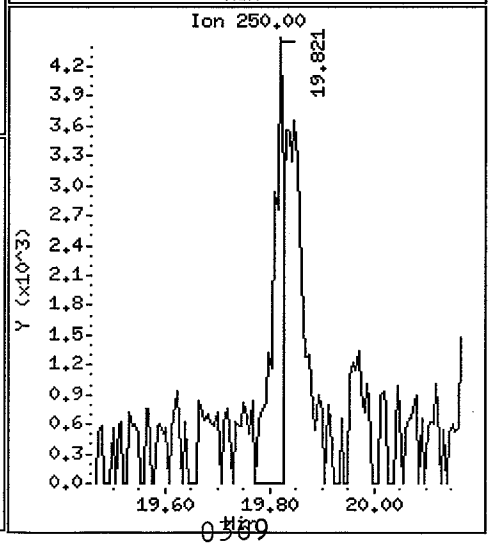












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

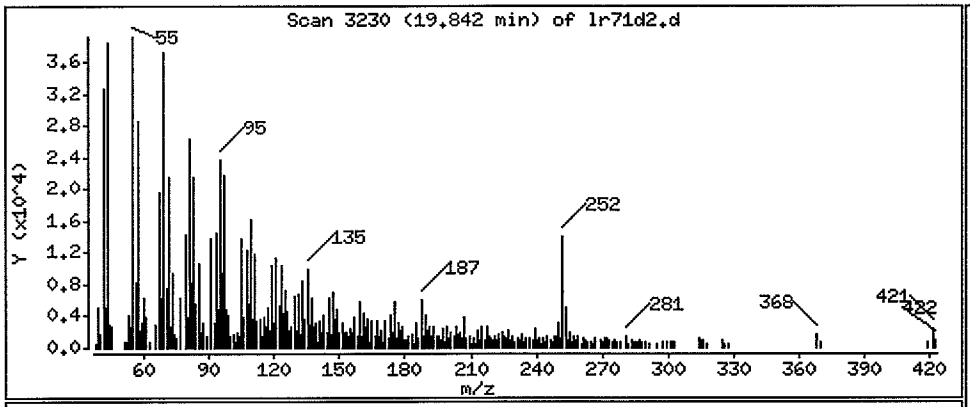
Operator: VTS

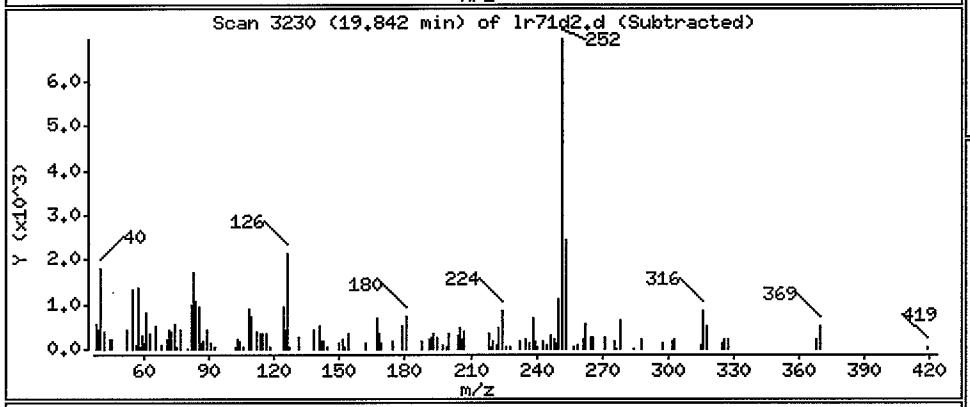
Column phase: ZB-5

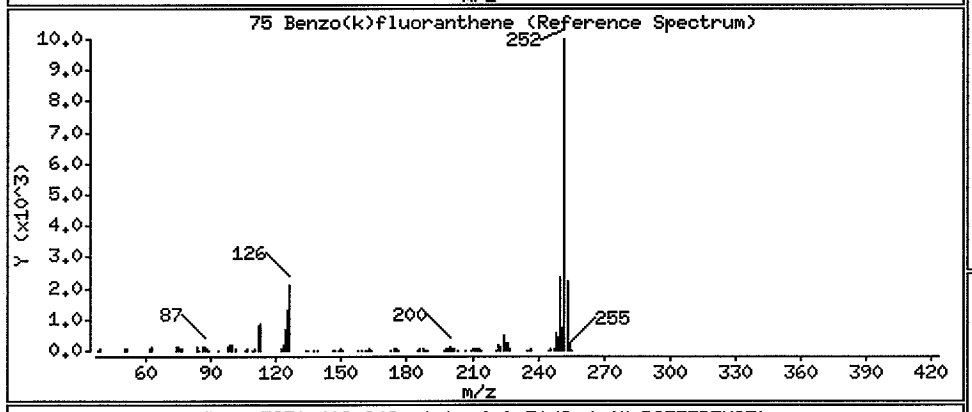
Column diameter: 0.32

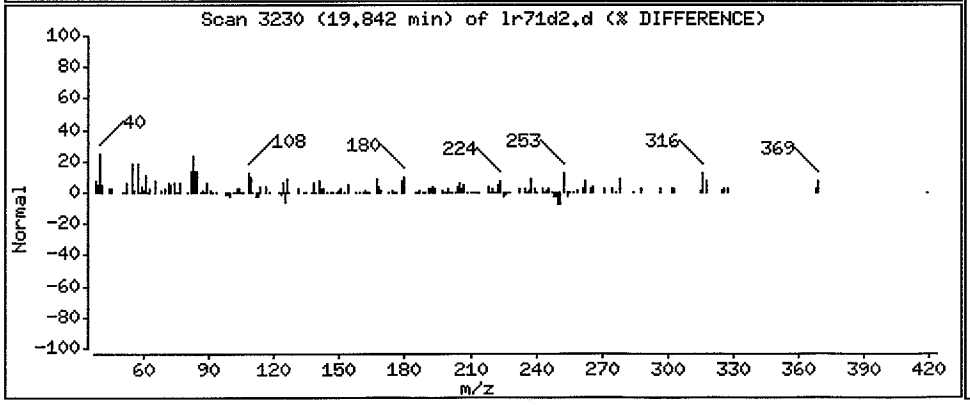
75 Benzo(k)fluoranthene

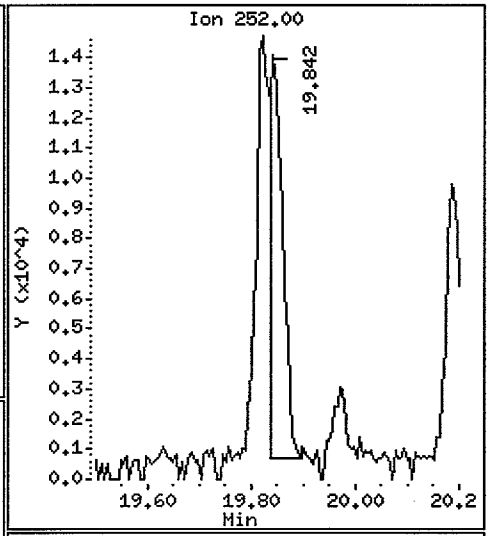
Concentration: 12.63 ug/Kg

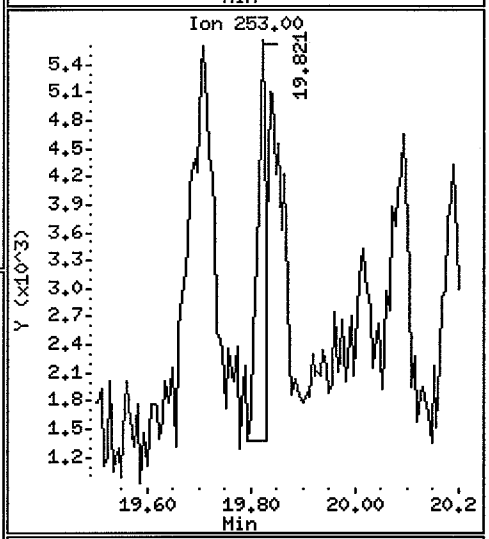


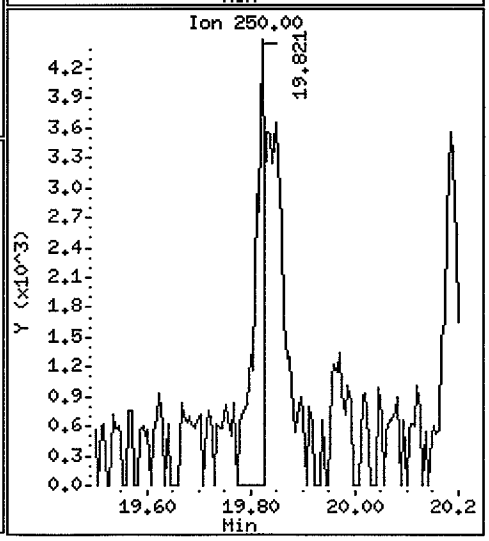












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

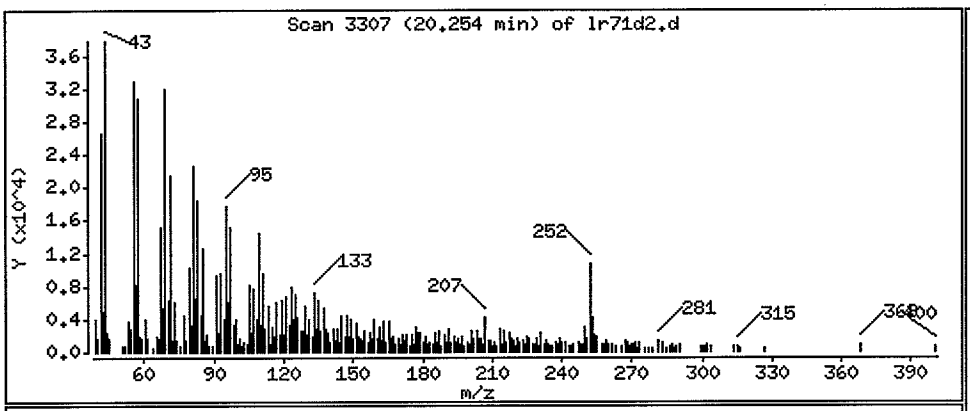
Operator: VTS

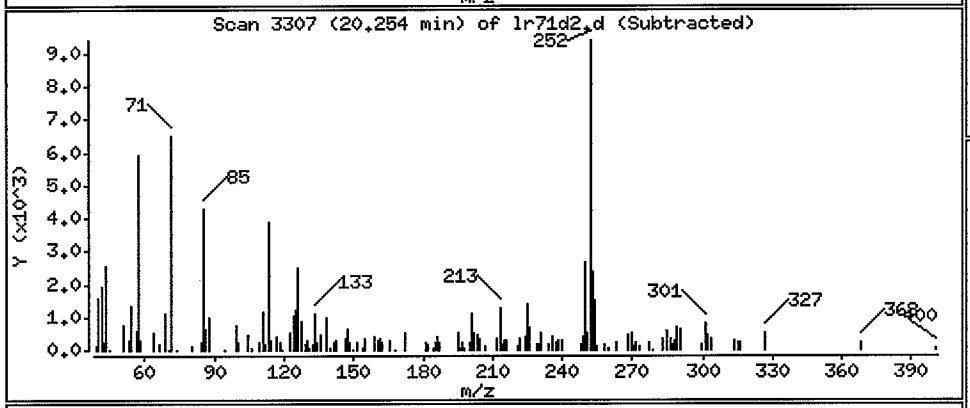
Column phase: ZB-5

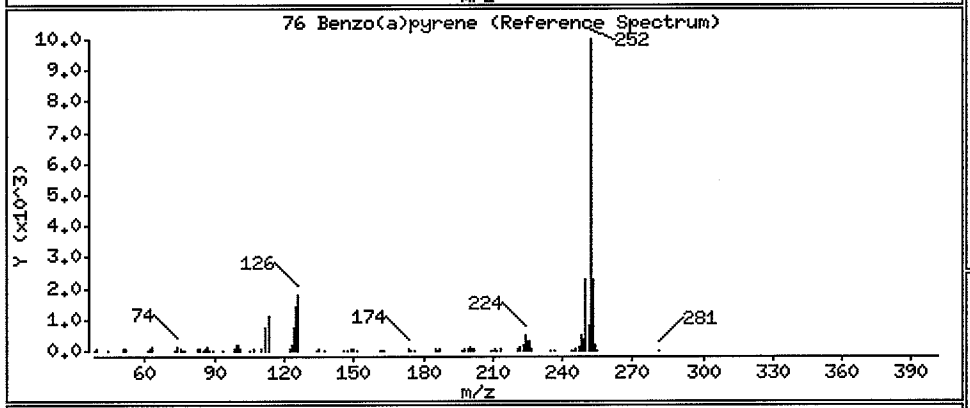
Column diameter: 0.32

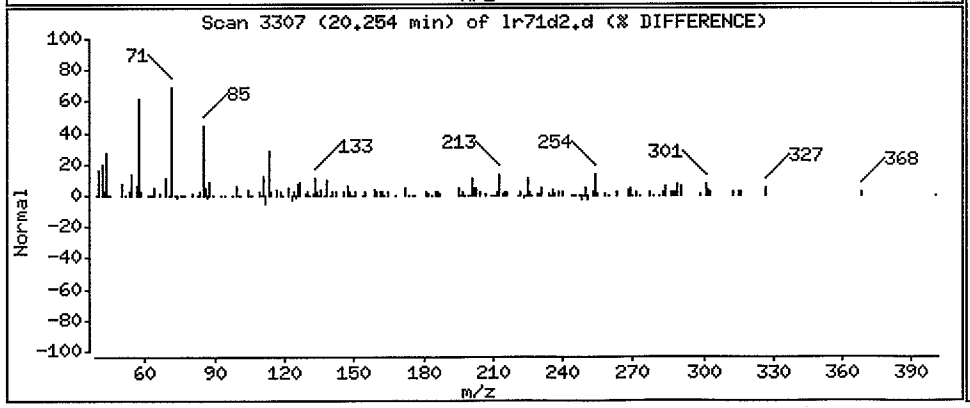
76 Benzo(a)pyrene

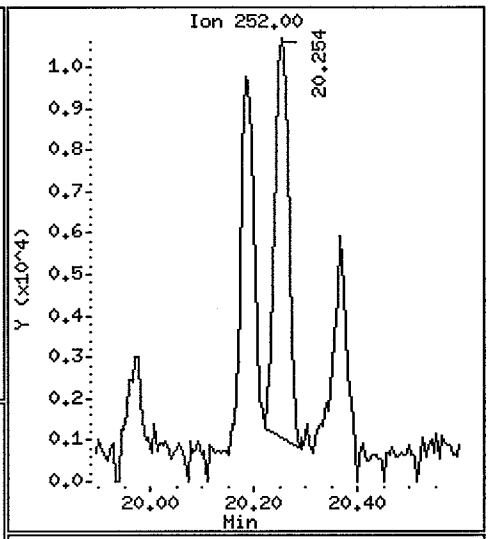
Concentration: 12.05 ug/Kg

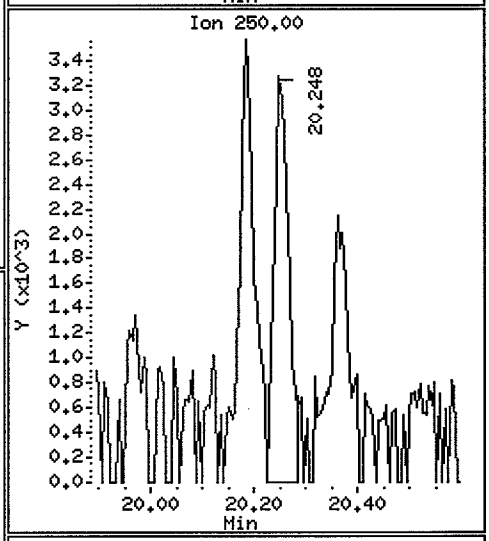


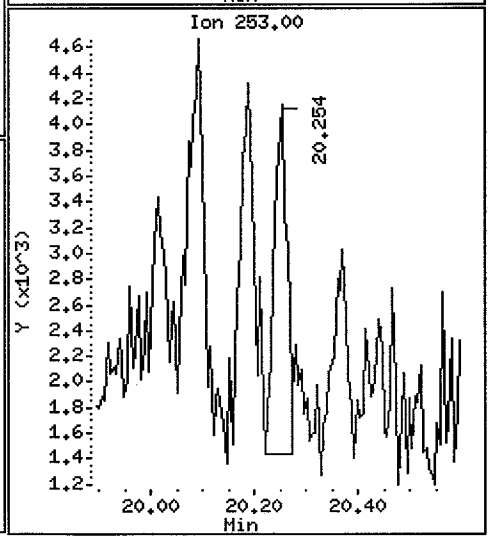












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-10-070928**
Page 1 of 2 **SAMPLE**

Lab Sample ID: LR71E
LIMS ID: 07-20770
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 16:55
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: 22.7%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**31**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**34**
129-00-0	**Pyrene**	**20**	**24**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**29**
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-10-070928
SAMPLE

Lab Sample ID: LR71E
LIMS ID: 07-20770
Matrix: Sediment
Date Analyzed: 10/18/07 16:55

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	42.8%	2-Fluorobiphenyl	46.8%
d14-p-Terphenyl	50.8%	d4-1,2-Dichlorobenzene	38.4%
d5-Phenol	44.5%	2-Fluorophenol	55.2%
2,4,6-Tribromophenol	52.0%	d4-2-Chlorophenol	43.7%

0373

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071018.b/lr71e.d
Lab Smp Id: LR71E Client Smp ID: AN-SS-10-070928
Inj Date : 18-OCT-2007 16:55
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71E
Misc Info : 07-20770
Comment : 1ul Injection
Method : /chem1/nt6.i/20071018.b/SW846.m
Meth Date : 25-Oct-2007 15:32 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJT 10/25/07

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	65.10000	Weight of sample extracted (g)
M	22.70000	% 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	5.986	5.917	(0.756)	300701	20.6866	411.1
$	2 Phenol-d5	99	7.503	7.488	(0.948)	309514	16.6685	331.2
	3 Phenol	94	7.519	7.504	(0.950)	35809	1.55605	30.92
$	5 2-Chlorophenol-d4	132	7.616	7.600	(0.962)	202474	16.3716	325.3
	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	7.915	7.904	(1.000)	197254	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	8.214	8.204	(1.038)	89062	9.60326	190.8
	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	8.684	8.674	(1.097)	7804	0.56338	11.20
$	18 Nitrobenzene-d5	82	8.850	8.845	(0.887)	207655	10.7498	213.6
	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	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.971	9.961	(1.000)	601231	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	11.782	11.777	(0.917)	296920	11.6774	232.1
	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	12.851	12.841	(1.000)	326575	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	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	Compound Not Detected.					
	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	14.149	14.139	(1.101)	61632	19.4517	386.5
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	15.233	15.223	(1.000)	507145	20.0000	
	60 Phenanthrene	178	15.271	15.261	(1.002)	25967	0.79803	15.86
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	Compound Not Detected.					
64	Fluoranthene	202	17.215	17.205	(1.130)	63101	1.69579	33.70
65	Pyrene	202	17.568	17.563	(0.898)	52620	1.19117	23.67
$ 66	Terphenyl-d14	244	17.899	17.884	(0.915)	352239	12.7391	253.1
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	Compound Not Detected.					
* 69	Chrysene-d12	240	19.566	19.556	(1.000)	615072	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	19.603	19.598	(1.002)	24976	0.57671 EDL	11.46
72	bis(2-Ethylhexyl)phthalate	149	19.796	19.785	(0.955)	38120	1.43622	28.54
* 134	Di-n-octylphthalate-d4	153	20.730	20.720	(1.000)	877776	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	Compound Not Detected.					
75	Benzo(k)fluoranthene	252	Compound Not Detected.					
76	Benzo(a)pyrene	252	Compound Not Detected.					
* 77	Perylene-d12	264	21.735	21.719	(1.000)	589955	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
79	Dibenzo(a,h)anthracene	278	Compound Not Detected.					
80	Benzo(g,h,i)perylene	276	Compound Not Detected.					
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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: lr71e.d
Lab Smp Id: LR71E
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20770

Calibration Date: 18-OCT-2007
Calibration Time: 10:07
Client Smp ID: AN-SS-10-070928
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	197254	-6.99
27 Naphthalene-d8	656578	328289	1313156	601231	-8.43
42 Acenaphthene-d10	353705	176852	707410	326575	-7.67
59 Phenanthrene-d10	526440	263220	1052880	507145	-3.67
69 Chrysene-d12	581923	290962	1163846	615072	5.70
134 Di-n-octylphthala	979097	489548	1958194	877776	-10.35
77 Perylene-d12	686531	343266	1373062	589955	-14.07

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.90	7.40	8.40	7.91	0.13
27 Naphthalene-d8	9.96	9.46	10.46	9.97	0.10
42 Acenaphthene-d10	12.84	12.34	13.34	12.85	0.08
59 Phenanthrene-d10	15.22	14.72	15.72	15.23	0.07
69 Chrysene-d12	19.56	19.06	20.06	19.57	0.05
134 Di-n-octylphthala	20.72	20.22	21.22	20.73	0.05
77 Perylene-d12	21.72	21.22	22.22	21.73	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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71E
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20770

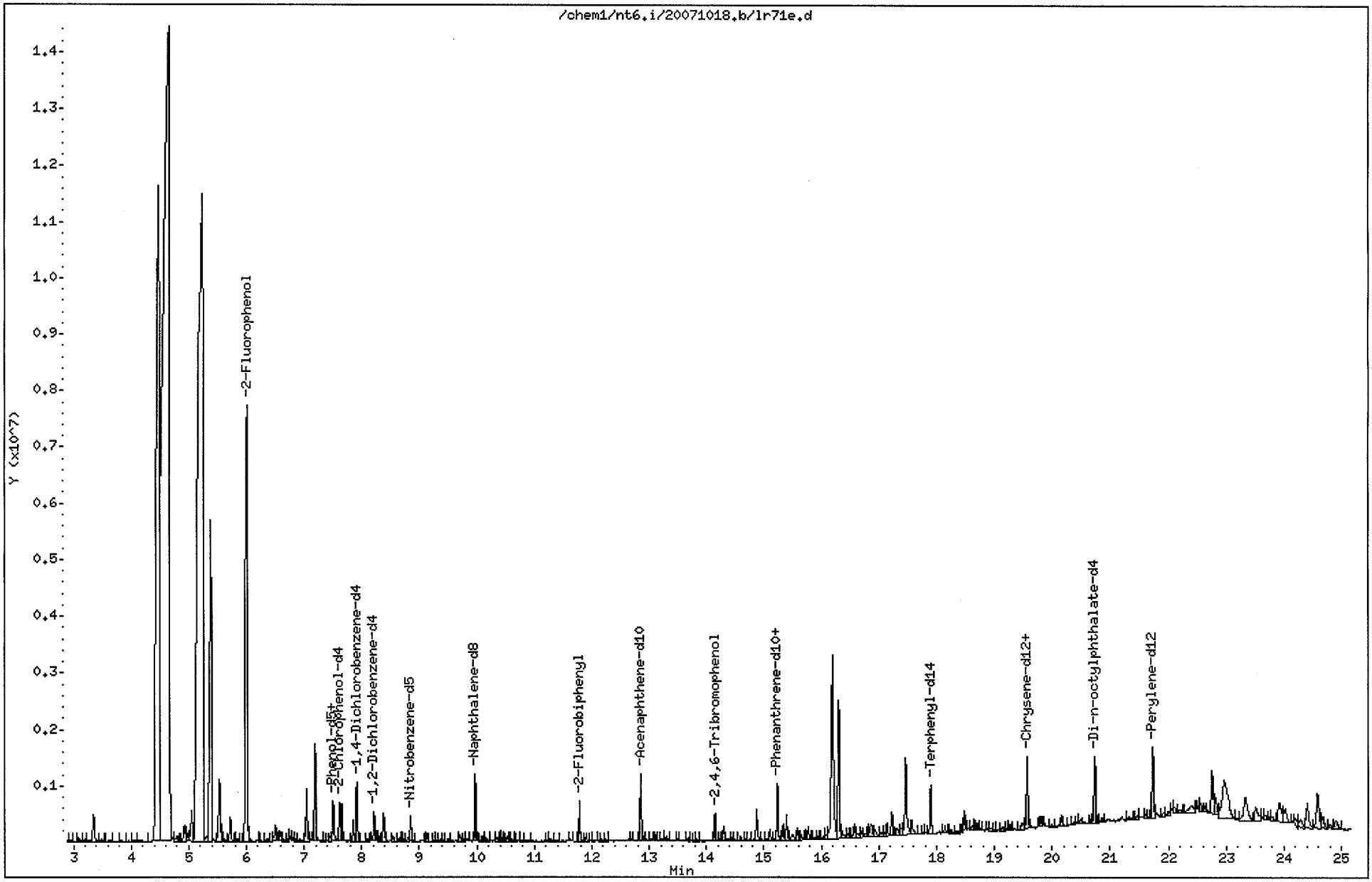
Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-10-070928
Operator: LJR/VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	745.2	411.1	55.16	11-84
$ 2 Phenol-d5	745.2	331.2	44.45	25-86
$ 5 2-Chlorophenol-d4	745.2	325.3	43.66	23-91
$ 10 1,2-Dichlorobenzen	496.8	190.8	38.41	24-90
$ 18 Nitrobenzene-d5	496.8	213.6	43.00	26-88
$ 36 2-Fluorobiphenyl	496.8	232.1	46.71	34-91
$ 55 2,4,6-Tribromophen	745.2	386.5	51.87	25-107
$ 66 Terphenyl-d14	496.8	253.1	50.96	22-100

Data File: /chem1/nt6.i/20071018.b/lr71e.d
Date : 18-OCT-2007 16:55
Client ID: AN-SS-10-070928
Sample Info: LR71E
Volume Injected (uL): 1.0
Column phase: ZB-5

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

0379



Data File: /chem1/nt6.i/20071018.b/lr71e.d

Date : 18-OCT-2007 16:55

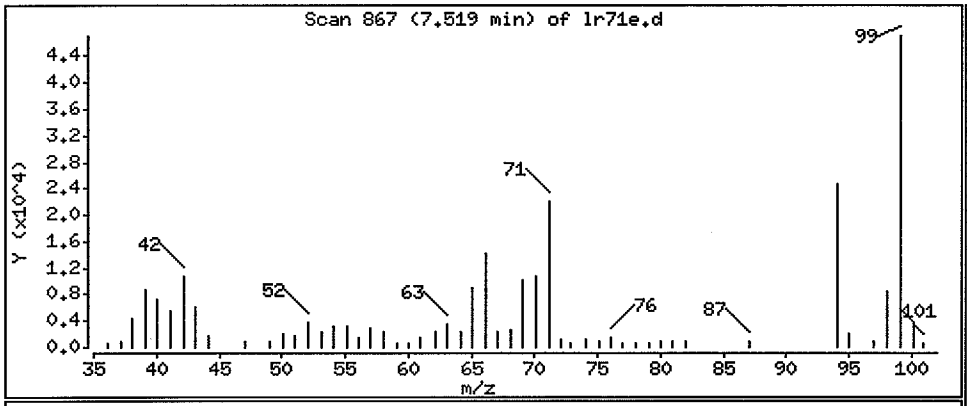
Client ID: AN-SS-10-070928 Instrument: nt6.i

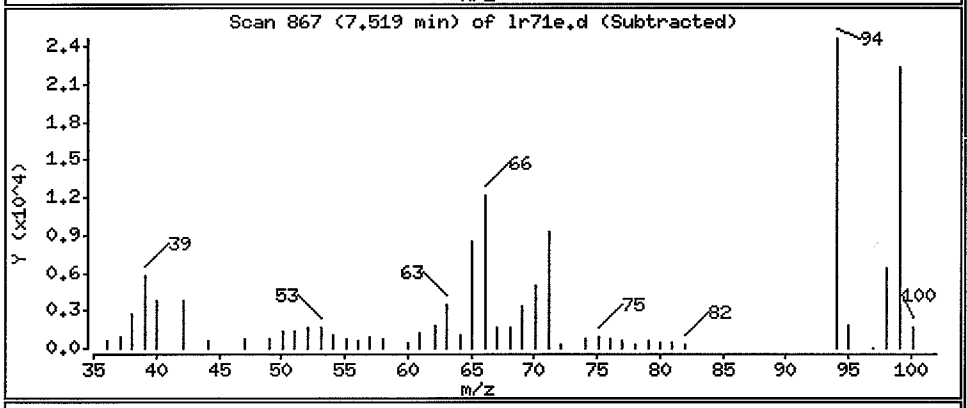
Sample Info: LR71E

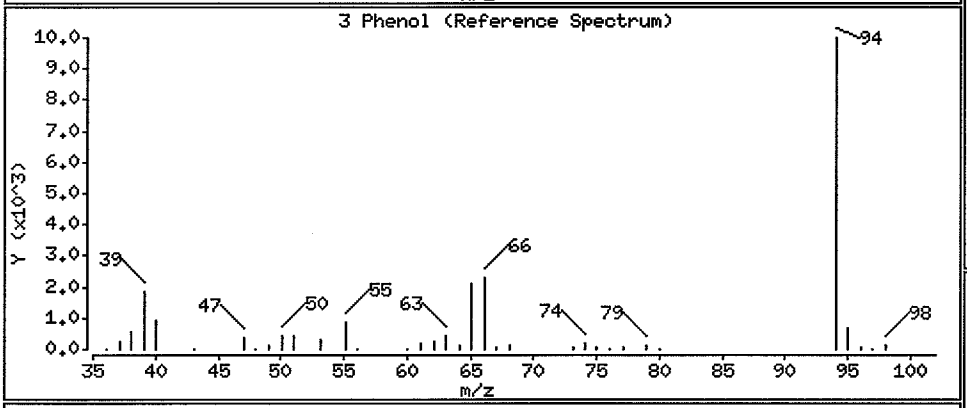
Volume Injected (uL): 1.0 Operator: LJR/VTS

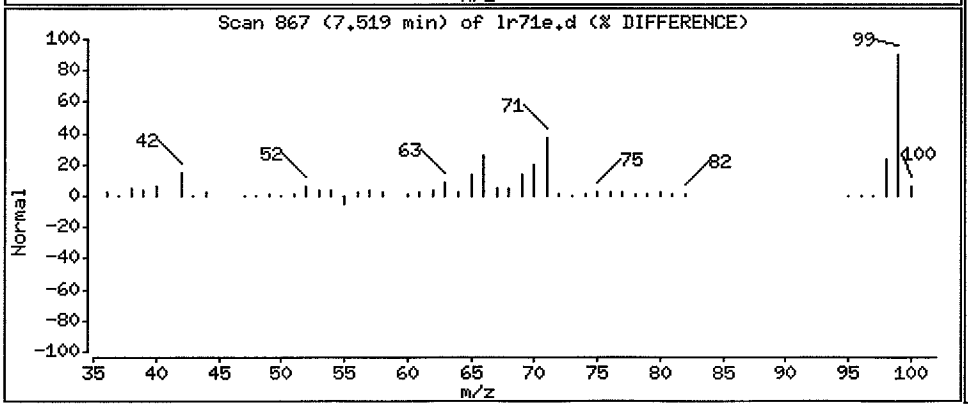
Column phase: ZB-5 Column diameter: 0.32

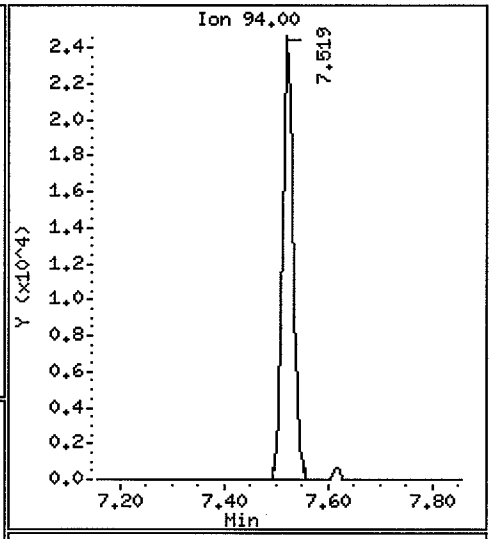
3 Phenol Concentration: 30.92 ug/kg

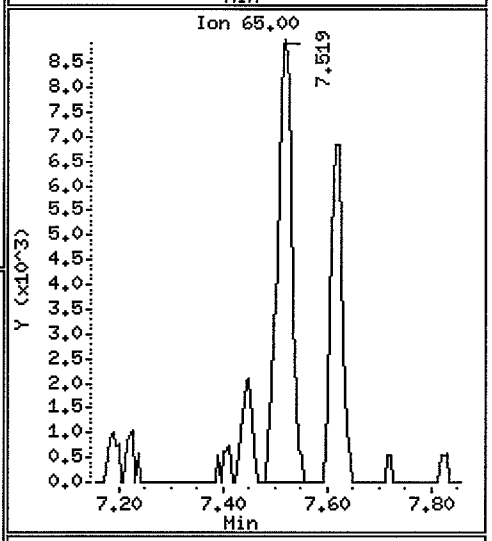


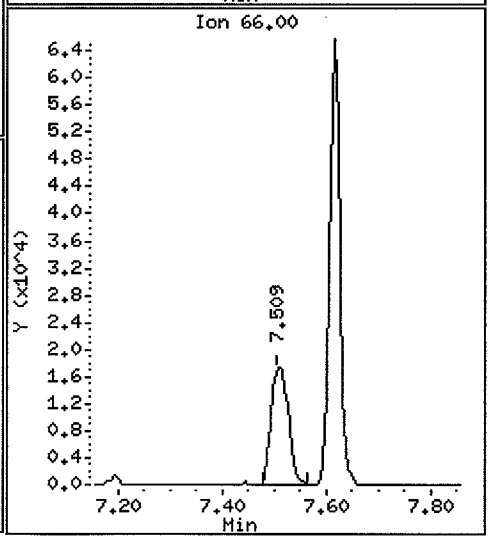












Data File: /chem1/nt6.i/20071018.b/lr71e.d

Date : 18-OCT-2007 16:55

Client ID: AN-SS-10-070928

Instrument: nt6.i

Sample Info: LR71E

Volume Injected (uL): 1.0

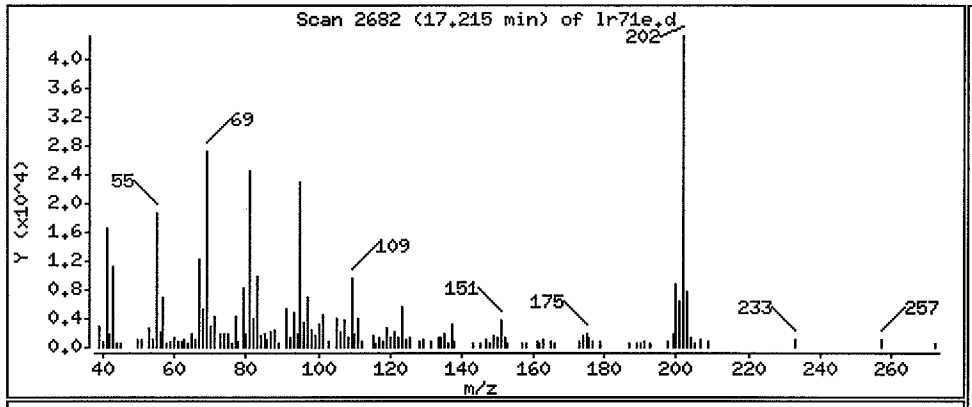
Operator: LJR/VTS

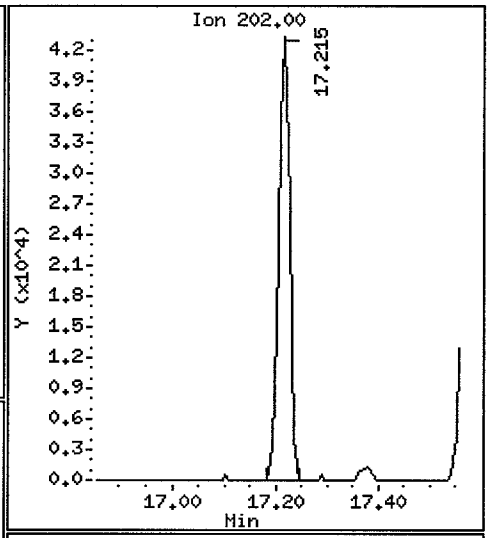
Column phase: ZB-5

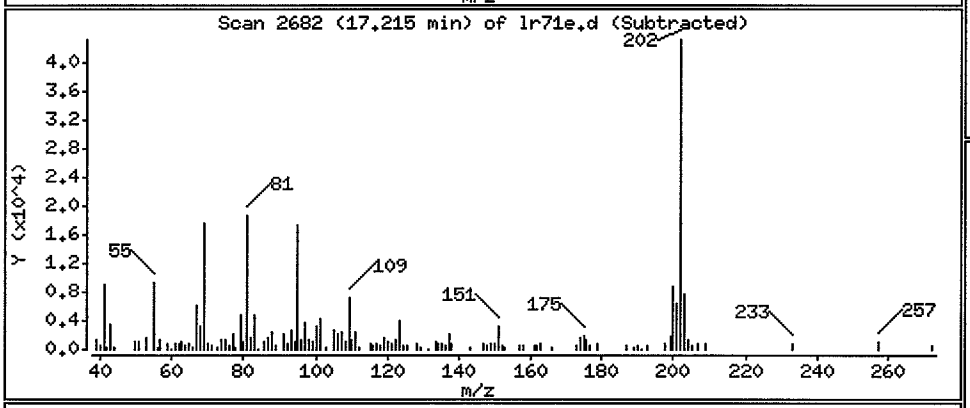
Column diameter: 0.32

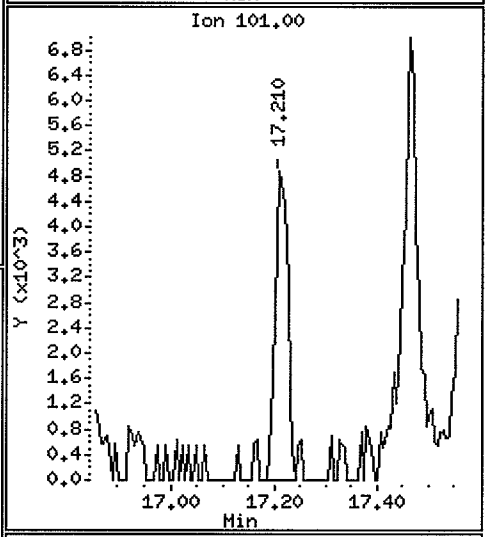
64 Fluoranthene

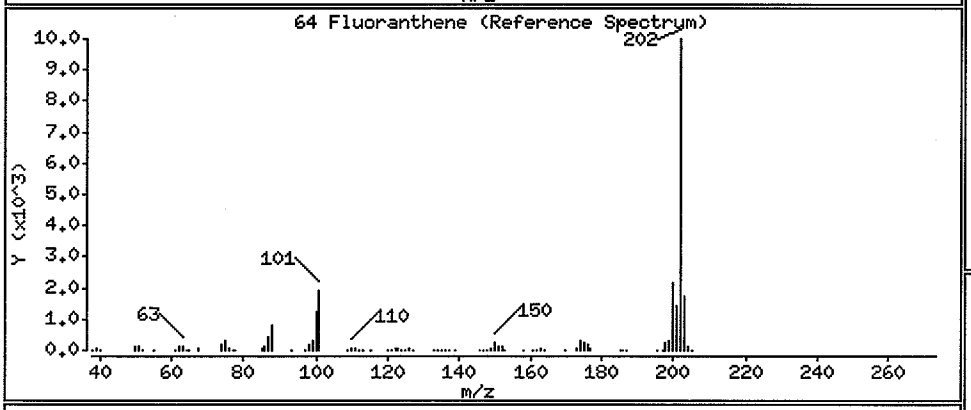
Concentration: 33.70 ug/kg

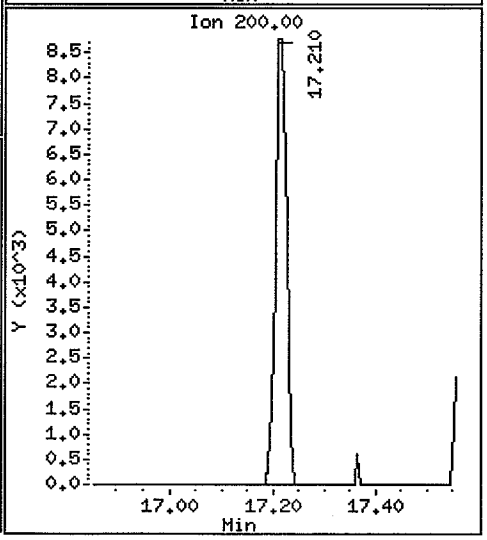


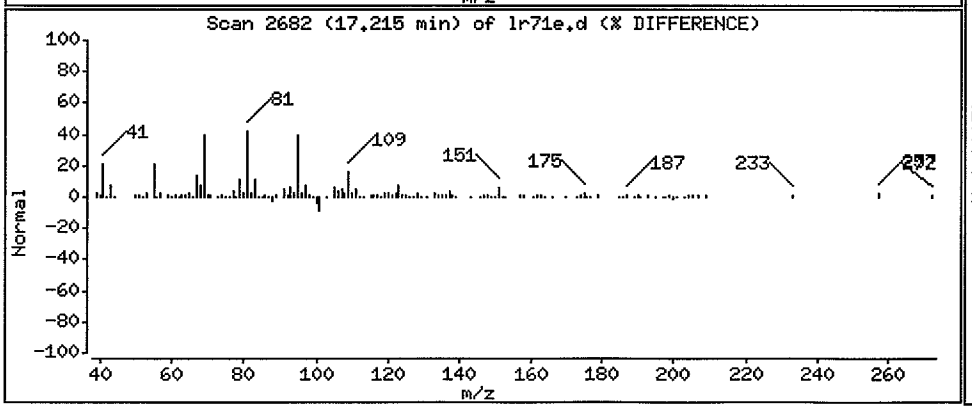












Data File: /chem1/nt6.i/20071018.b/lr71e.d

Date : 18-OCT-2007 16:55

Client ID: AN-SS-10-070928

Instrument: nt6.i

Sample Info: LR71E

Volume Injected (uL): 1.0

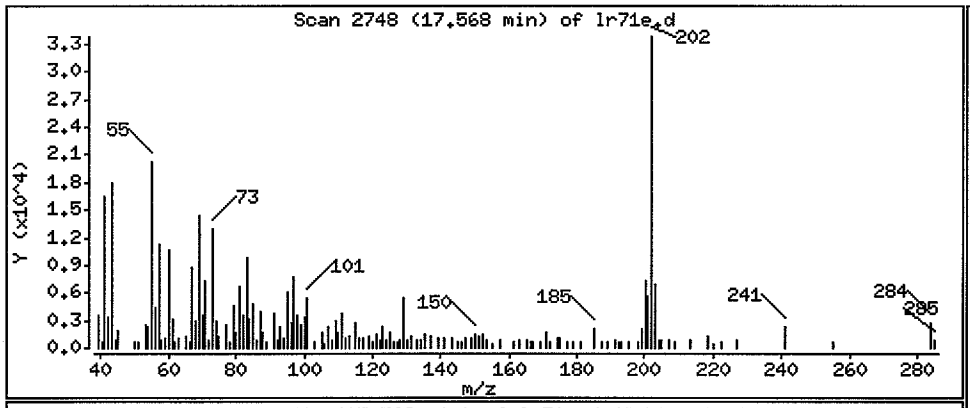
Operator: LJR/VTS

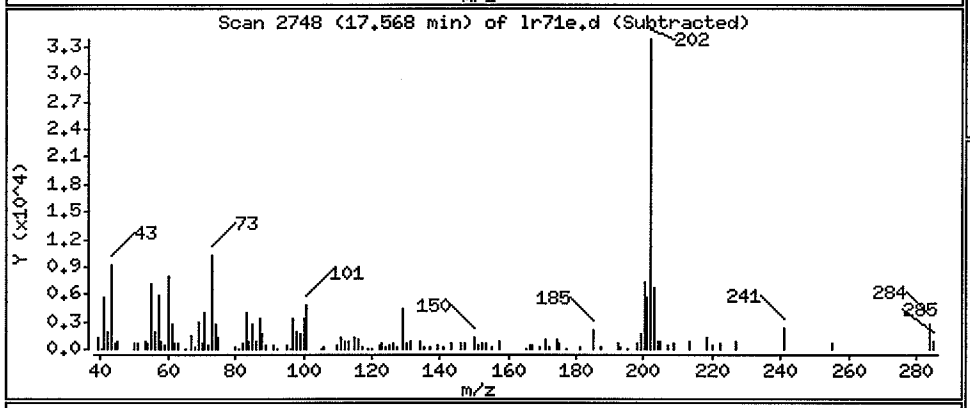
Column phase: ZB-5

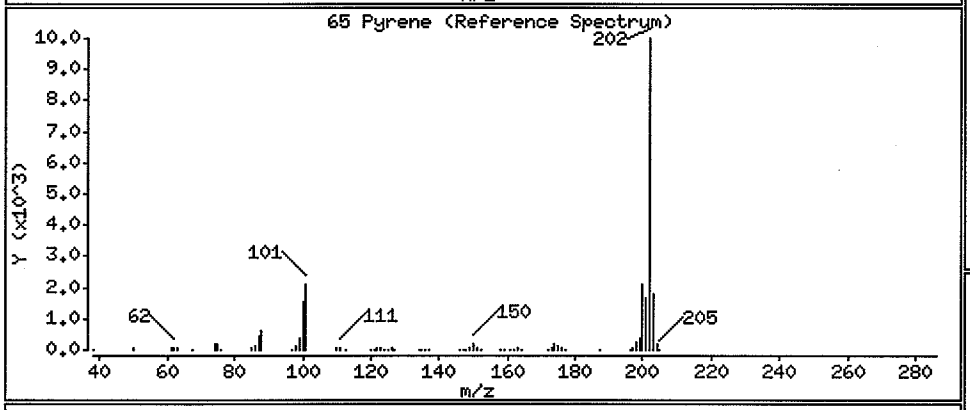
Column diameter: 0.32

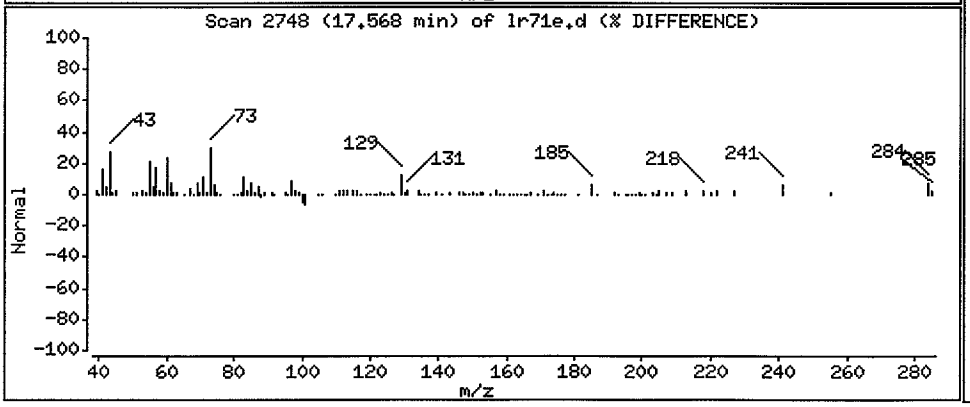
65 Pyrene

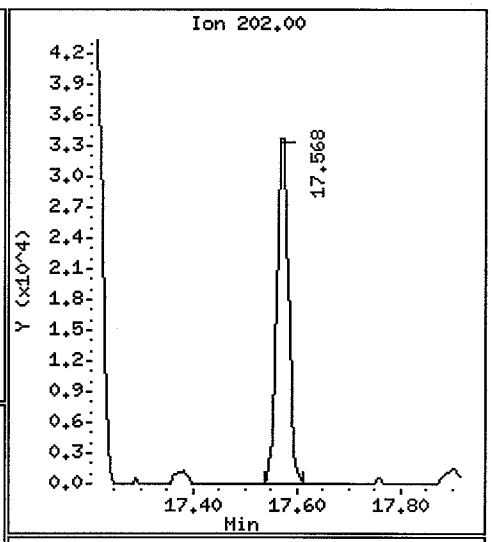
Concentration: 23.67 ug/kg

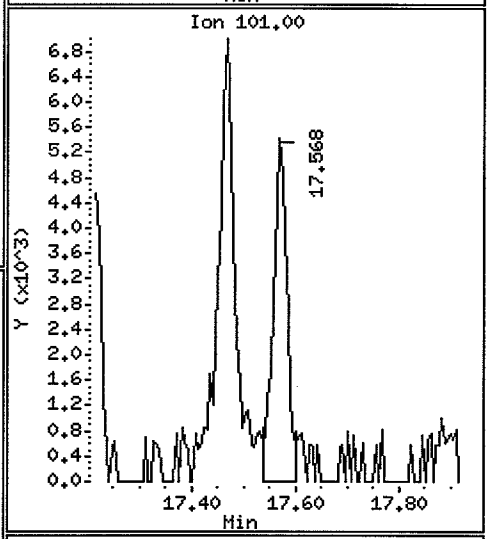


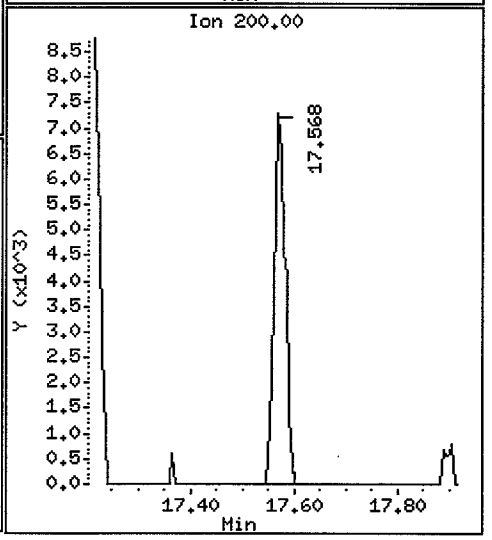












Data File: /chem1/nt6.i/20071018.b/lr71e.d

Date : 18-OCT-2007 16:55

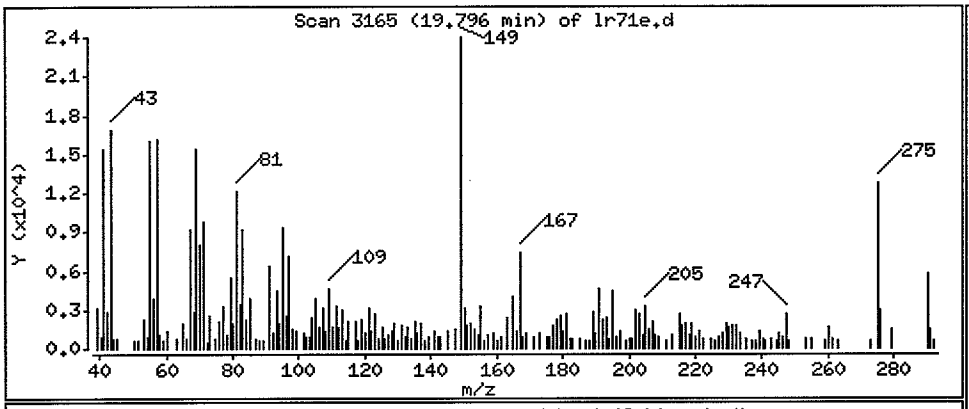
Client ID: AN-SS-10-070928 Instrument: nt6.i

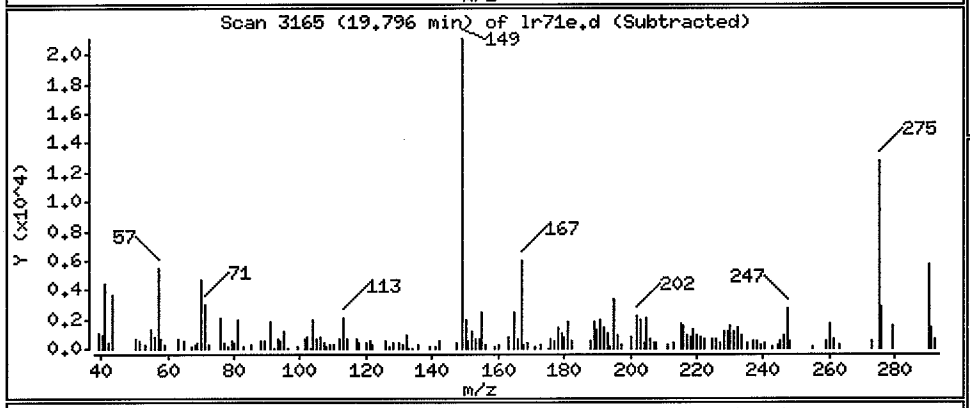
Sample Info: LR71E

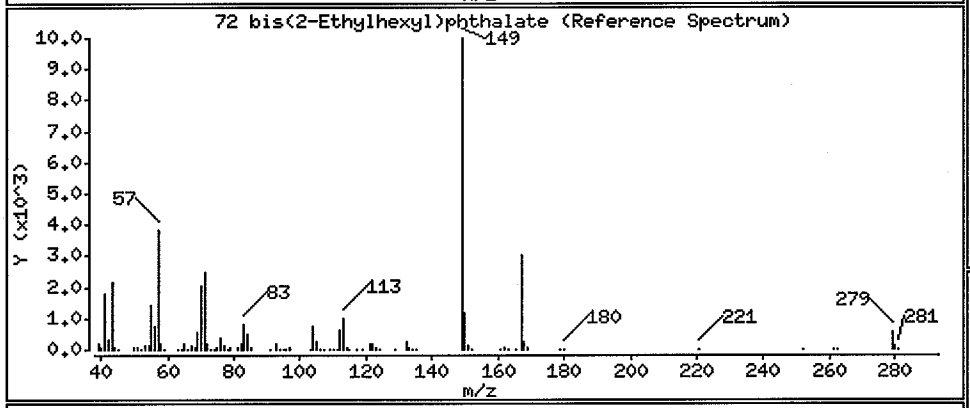
Volume Injected (uL): 1.0 Operator: LJR/VTS

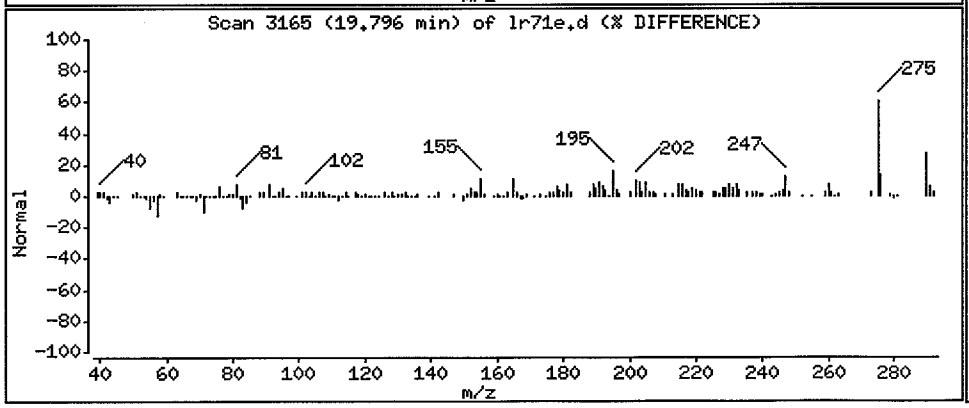
Column phase: ZB-5 Column diameter: 0.32

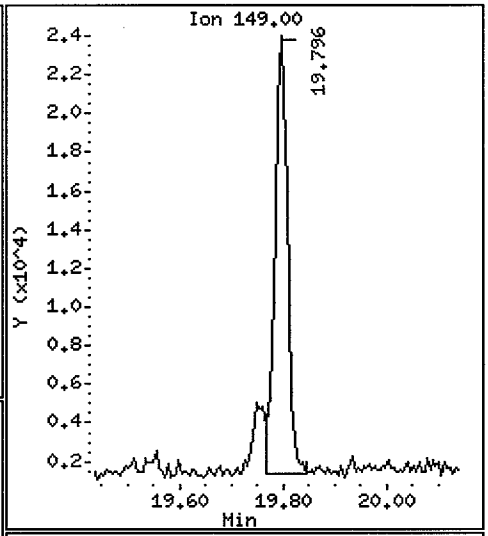
72 bis(2-Ethylhexyl)phthalate Concentration: 28.54 ug/kg

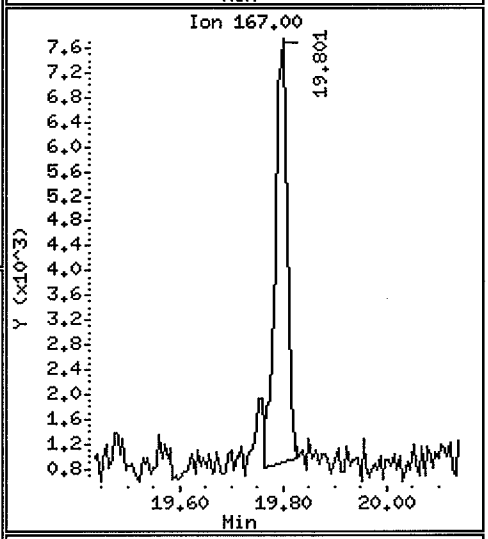


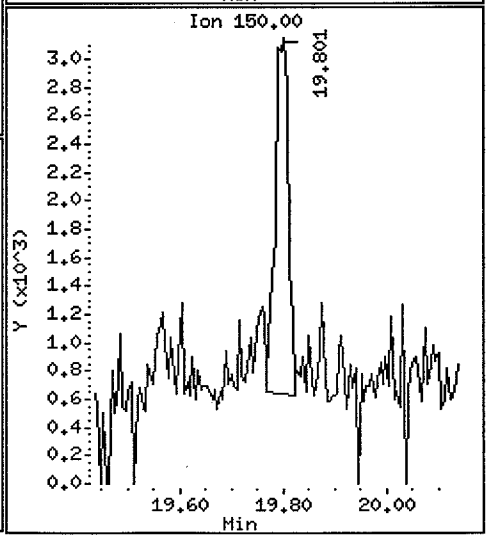












Data File: /chem1/nt6.i/20071018.b/lr71e.d

Date : 18-OCT-2007 16:55

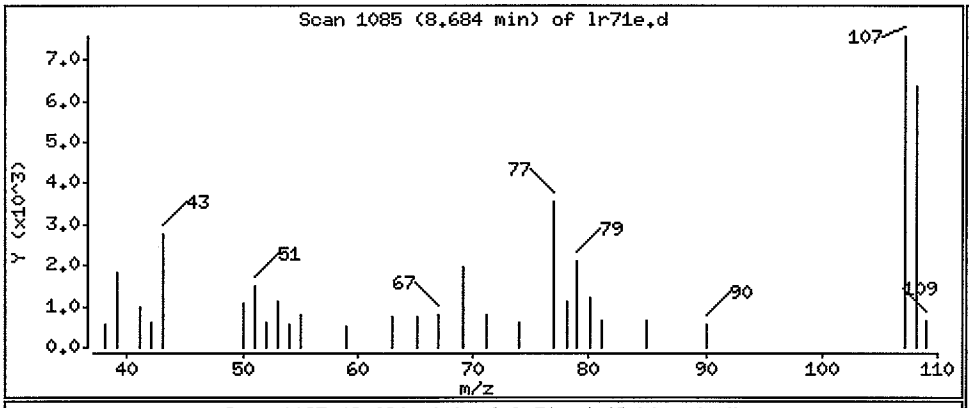
Client ID: AN-SS-10-070928 Instrument: nt6.i

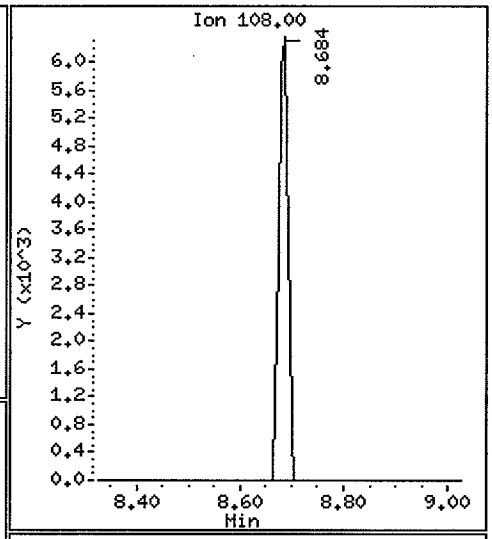
Sample Info: LR71E

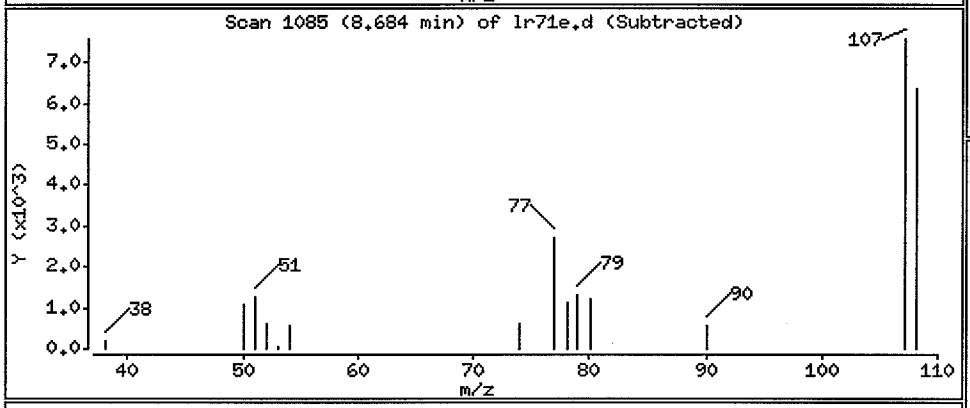
Volume Injected (uL): 1.0 Operator: LJR/VTS

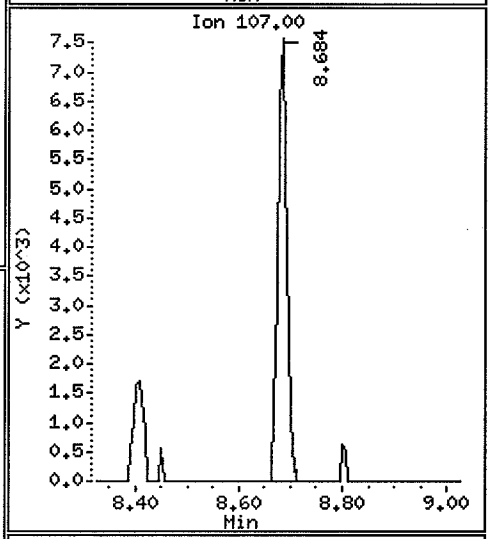
Column phase: ZB-5 Column diameter: 0.32

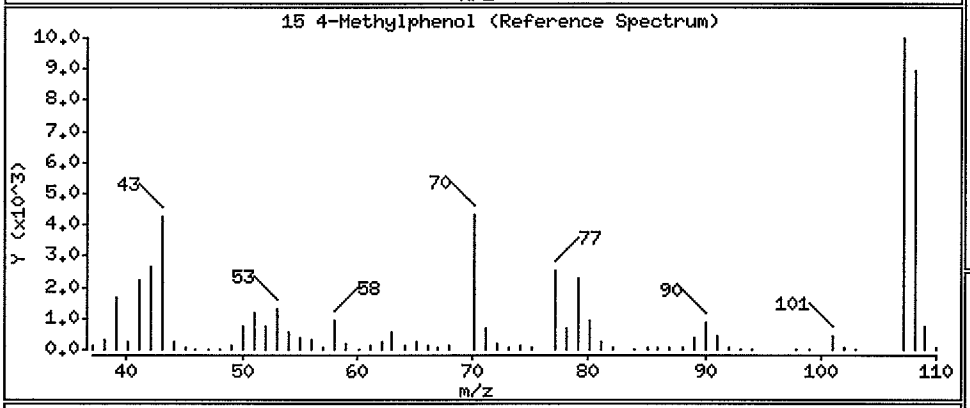
15 4-Methylphenol Concentration: 11.20 ug/kg

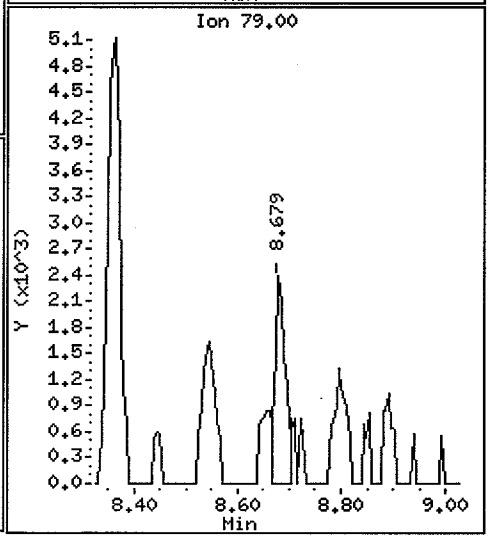


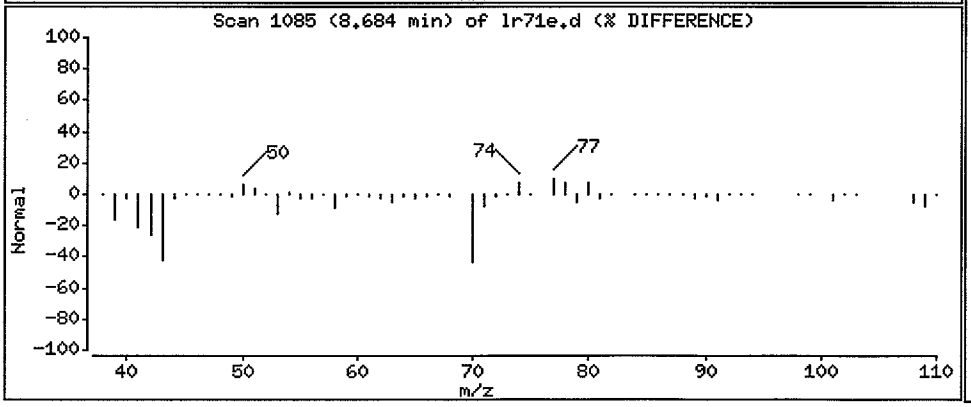












Data File: /chem1/nt6.i/20071018.b/lr71e.d

Date : 18-OCT-2007 16:55

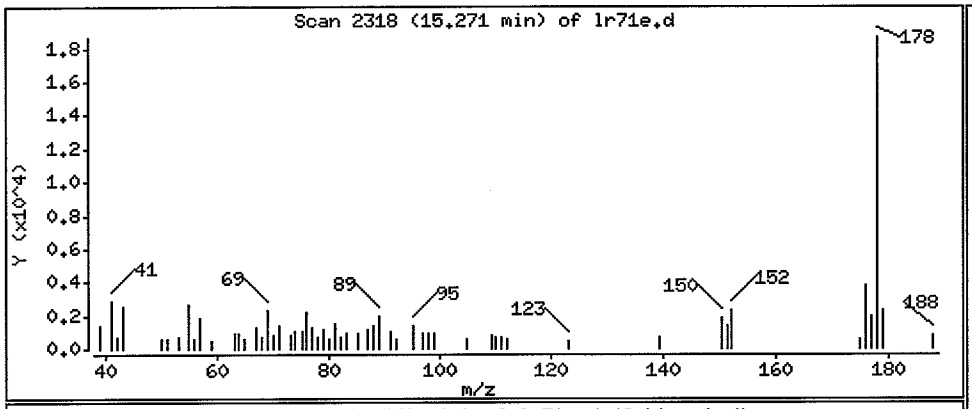
Client ID: AN-SS-10-070928 Instrument: nt6.i

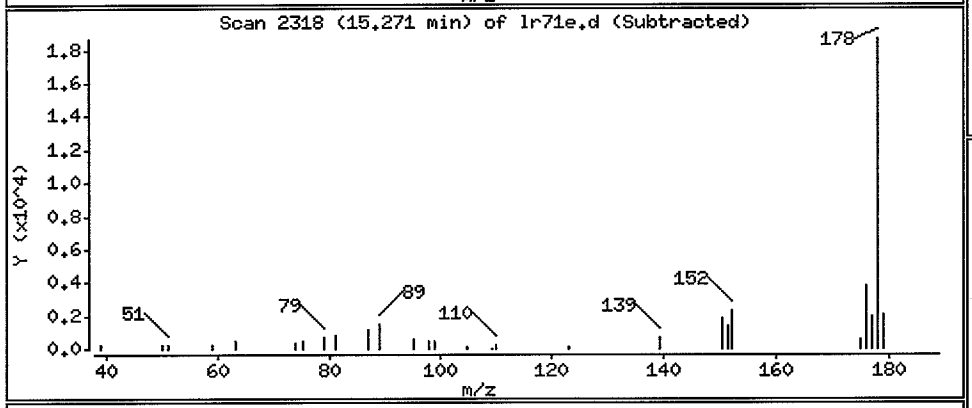
Sample Info: LR71E

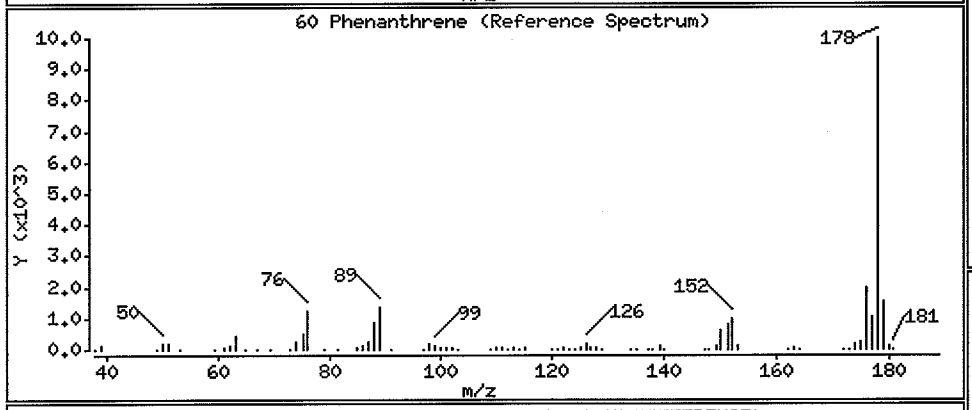
Volume Injected (uL): 1.0 Operator: LJR/VTS

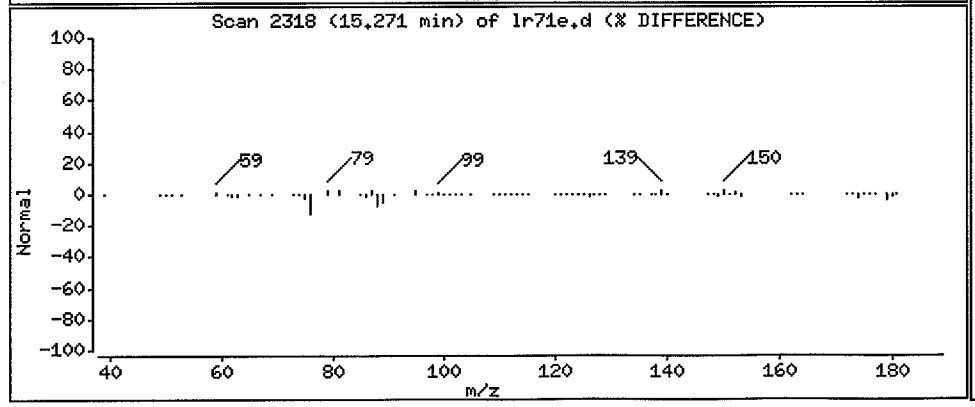
Column phase: ZB-5 Column diameter: 0.32

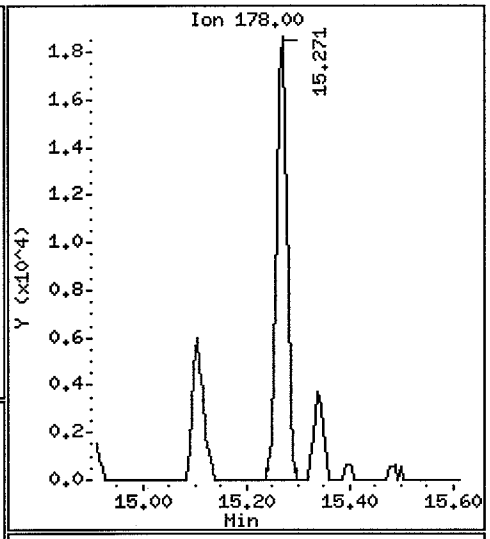
60 Phenanthrene Concentration: 15.86 ug/kg

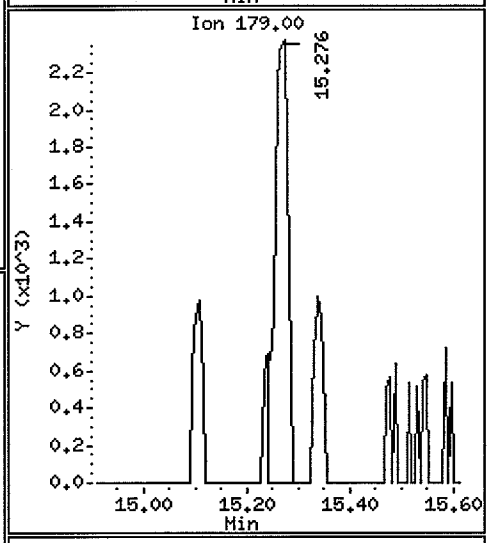


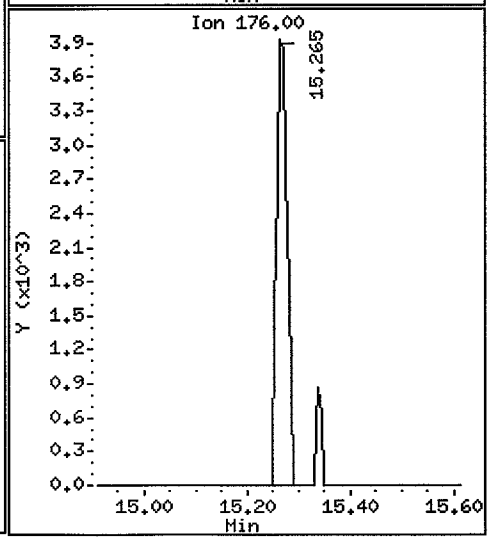












Data File: /chem1/nt6.i/20071018.b/lr71e.d

Date : 18-OCT-2007 16:55

Client ID: AN-SS-10-070928

Instrument: nt6.i

Sample Info: LR71E

Volume Injected (uL): 1.0

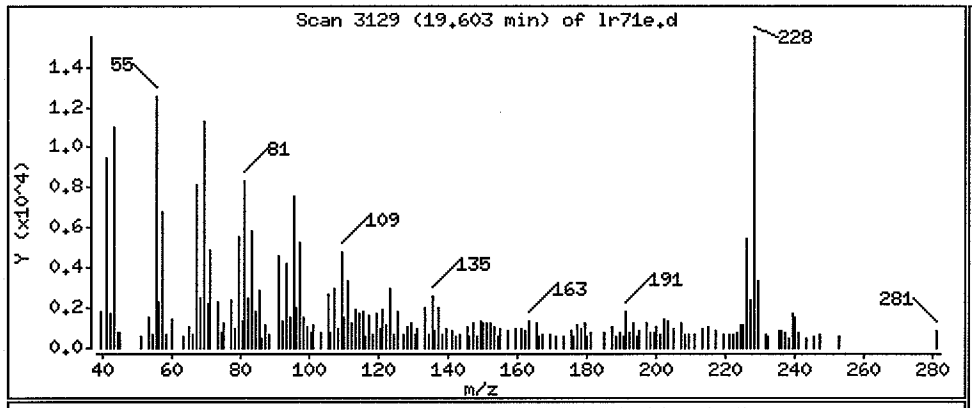
Operator: LJR/VTS

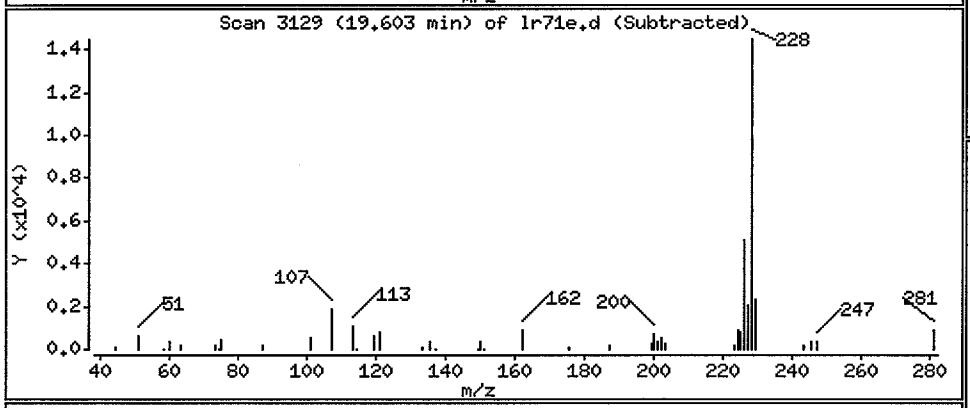
Column phase: ZB-5

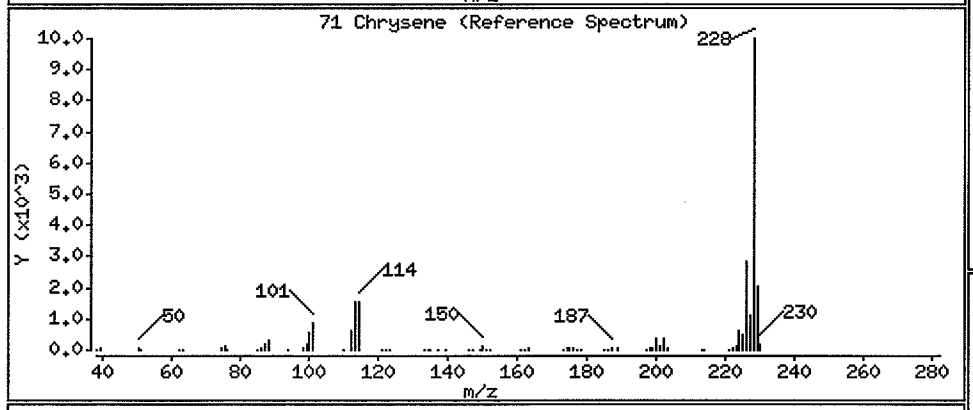
Column diameter: 0.32

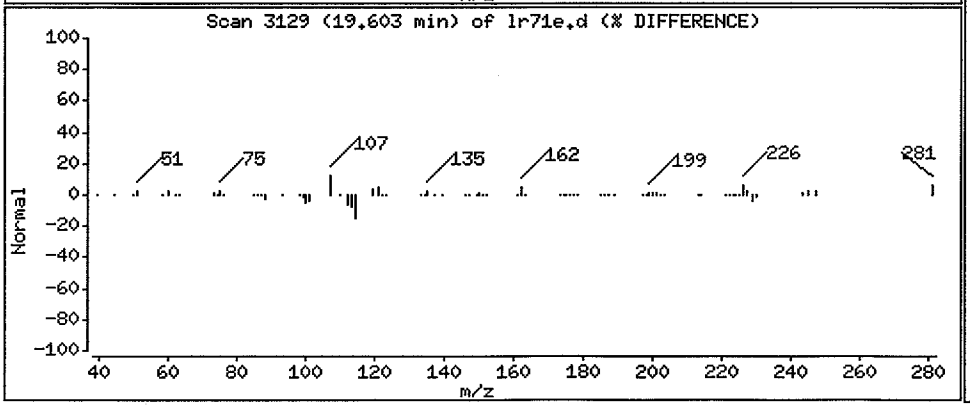
71 Chrysene

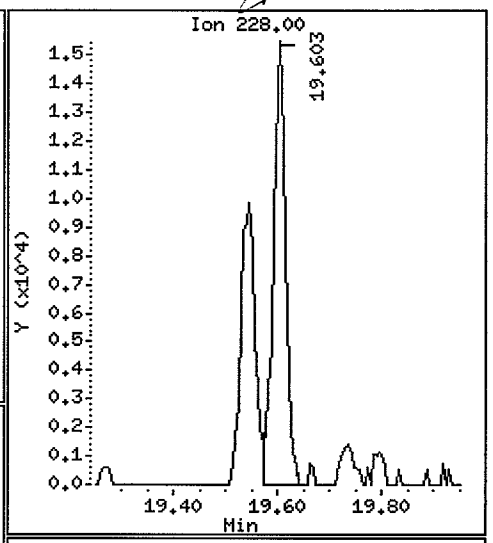
Concentration: 11.46 ug/kg

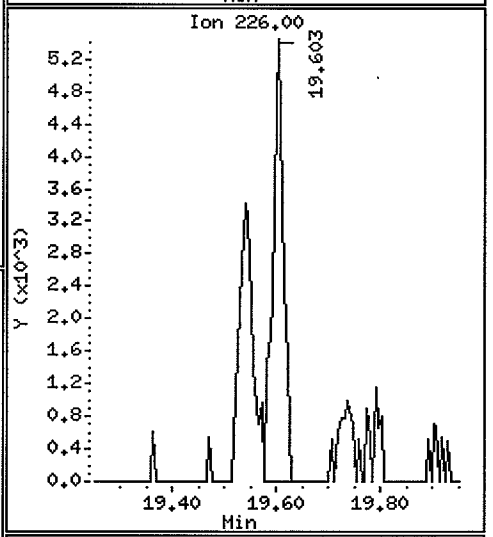


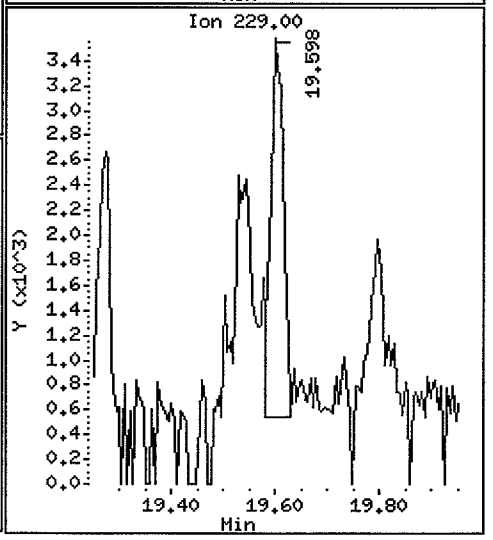












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-10-070928
REEXTRACT

Lab Sample ID: LR71E
LIMS ID: 07-23292
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 18:45
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 22.7%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**74**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**24**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**27**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**41**
129-00-0	**Pyrene**	**20**	**31**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**20 B**
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-10-070928**
 REEXTRACT

Lab Sample ID: LR71E QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-23292 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 18:45

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	33.0%	2-Fluorobiphenyl	33.2%
d14-p-Terphenyl	34.0%	d4-1,2-Dichlorobenzene	30.2%
d5-Phenol	32.3%	2-Fluorophenol	27.2%
2,4,6-Tribromophenol	34.1%	d4-2-Chlorophenol	32.8%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071101.b/lr71e2.d
Lab Smp Id: LR71ERE Client Smp ID: AN-SS-10-070928
Inj Date : 01-NOV-2007 18:45
Operator : VTS Inst ID: nt4.i
Smp Info : LR71ERE
Misc Info : 07-23292
Comment : 1ul Injection
Method : /chem3/nt4.i/20071101.b/SW846.m
Meth Date : 02-Nov-2007 11:41 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 11:04 Cal File: 0801001.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LNR 11/2/07

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	65.50000	Weight of sample extracted (g)
M	22.70000	% 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	4.829	4.748	(0.708)	143460	10.1880	201.2
$	2 Phenol-d5	99	6.507	6.489	(0.954)	190322	12.0754	238.5
	3 Phenol	94	6.523	6.505	(0.956)	69888	3.73368	73.74
$	5 2-Chlorophenol-d4	132	6.539	6.521	(0.958)	143830	12.3024	243.0
	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	6.822	6.820	(1.000)	166412	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	7.121	7.114	(1.044)	56844	7.55645	149.2
	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	7.693	7.686	(1.128)	15575	1.23745	24.44
$	18 Nitrobenzene-d5	82	7.773	7.771	(0.876)	131689	8.25135	163.0
	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	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.868	8.872	(1.000)	605024	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	10.674	10.677	(0.914)	182346	8.29882	163.9(R)
	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	11.683	11.682	(1.000)	318217	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	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	12.581	12.585	(1.077)	12018	0.54123 LDL	10.69
	49 Fluorene	166	Compound Not Detected.					
	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	12.960	12.953	(1.109)	35070	12.8023	252.9
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.002	14.000	(1.000)	442973	20.0000	
	60 Phenanthrene	178	14.034	14.032	(1.002)	42424	1.38574	27.37
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	63 Di-n-butylphthalate	149	Compound Not Detected.					
	64 Fluoranthene	202	15.925	15.923	(1.137)	68491	2.06638	40.81
	65 Pyrene	202	16.261	16.260	(0.892)	58429	1.55828	30.78
$	66 Terphenyl-d14	244	16.641	16.634	(0.913)	184131	8.50642	168.0
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	18.195	18.199	(0.999)	18778	0.54002 LDL	10.67
*	69 Chrysene-d12	240	18.222	18.221	(1.000)	467873	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	18.254	18.258	(1.002)	24197	0.70741 LDL	13.97
	72 bis(2-Ethylhexyl)phthalate	149	18.585	18.578	(0.953)	20490	1.00858 (B)	19.92
*	134 Di-n-octylphthalate-d4	153	19.504	19.503	(1.000)	644799	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	Compound Not Detected.					
	75 Benzo(k)fluoranthene	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.332	20.325	(1.000)	492457	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					
	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

R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: lr71e2.d
Lab Smp Id: LR71ERE
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info: 07-23292

Calibration Date: 01-NOV-2007
Calibration Time: 14:35
Client Smp ID: AN-SS-10-070928
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	145384	72692	290768	166412	14.46
27 Naphthalene-d8	530525	265262	1061050	605024	14.04
42 Acenaphthene-d10	280701	140350	561402	318217	13.37
59 Phenanthrene-d10	391934	195967	783868	442973	13.02
69 Chrysene-d12	354658	177329	709316	467873	31.92
134 Di-n-octylphthala	506314	253157	1012628	644799	27.35
77 Perylene-d12	400782	200391	801564	492457	22.87

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.82	6.32	7.32	6.82	0.02
27 Naphthalene-d8	8.87	8.37	9.37	8.87	-0.04
42 Acenaphthene-d10	11.68	11.18	12.18	11.68	0.01
59 Phenanthrene-d10	14.00	13.50	14.50	14.00	0.01
69 Chrysene-d12	18.22	17.72	18.72	18.22	0.01
134 Di-n-octylphthala	19.50	19.00	20.00	19.50	0.01
77 Perylene-d12	20.33	19.83	20.83	20.33	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.

Data File: /chem3/nt4.i/20071101.b/lr71e2.d
Report Date: 02-Nov-2007 11:41

Analytical Resources, Inc.

RECOVERY REPORT

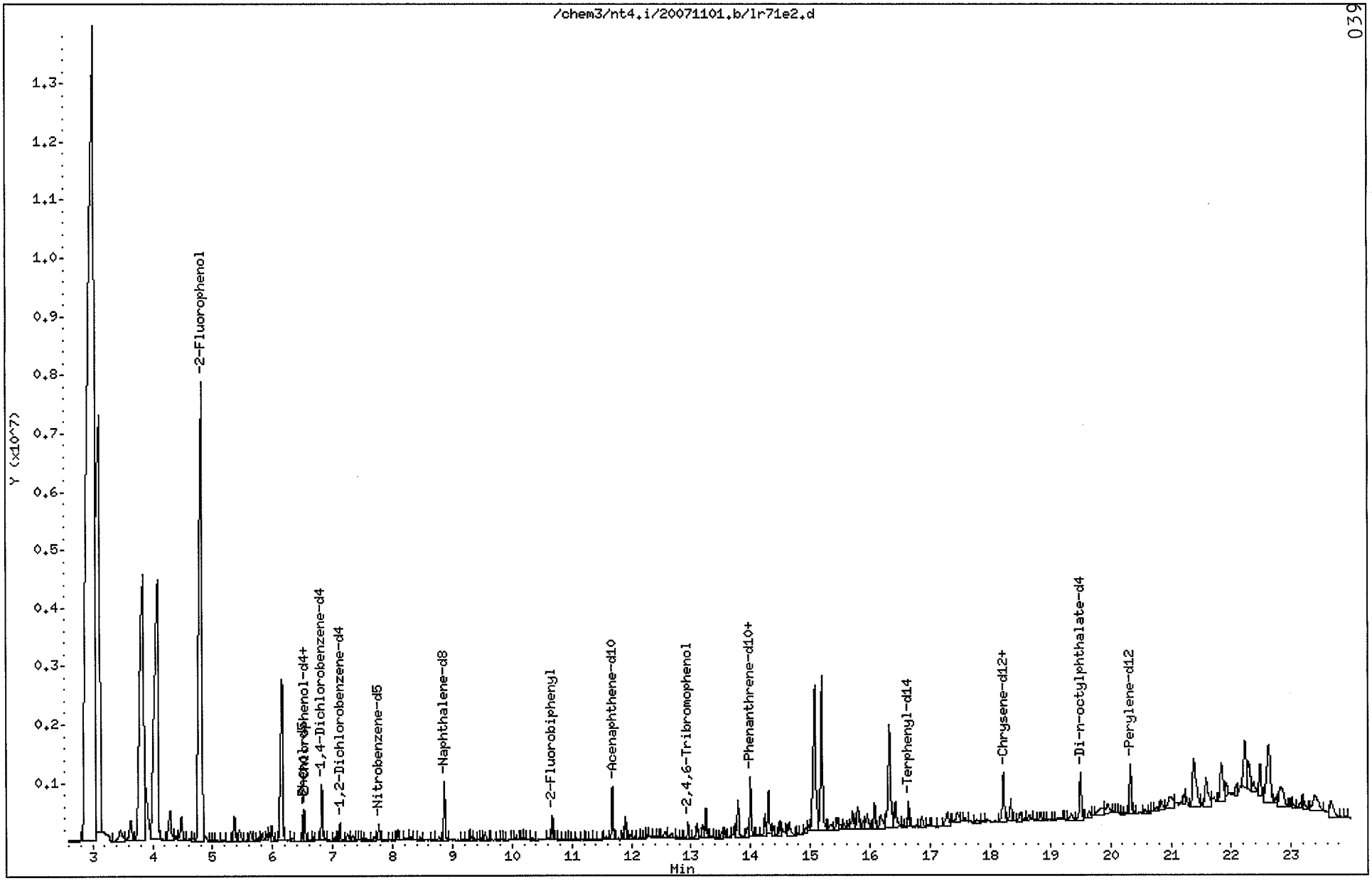
Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71ERE
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info: 07-23292

Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-10-070928
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	740.6	201.2	27.17	11-84
$ 2 Phenol-d5	740.6	238.5	32.20	25-86
$ 5 2-Chlorophenol-d4	740.6	243.0	32.81	23-91
$ 10 1,2-Dichlorobenzen	493.8	149.2	30.23	24-90
$ 18 Nitrobenzene-d5	493.8	163.0	33.01	26-88
$ 36 2-Fluorobiphenyl	493.8	163.9	33.20 *	34-91
$ 55 2,4,6-Tribromophen	740.6	252.9	34.14	25-107
$ 66 Terphenyl-d14	493.8	168.0	34.03	22-100

Data File: /chem3/nt4.i/20071101.b/lr71e2.d
Date : 01-NOV-2007 18:45
Client ID: AN-SS-10-070928
Sample Info: LR71ERE
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt4.i
Operator: VTS
Column diameter: 0.32



Data File: /chem3/nt4.i/20071101.b/lr71e2.d

Date : 01-NOV-2007 18:45

Client ID: AN-SS-10-070928

Instrument: nt4.i

Sample Info: LR71ERE

Volume Injected (uL): 1.0

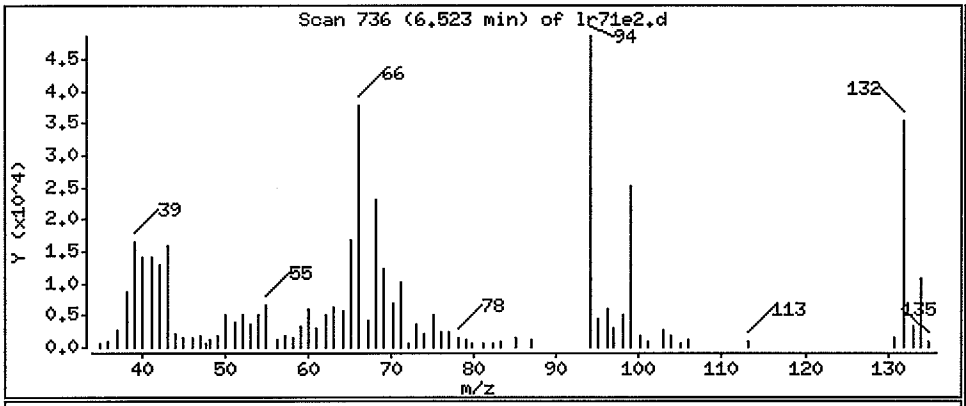
Operator: VTS

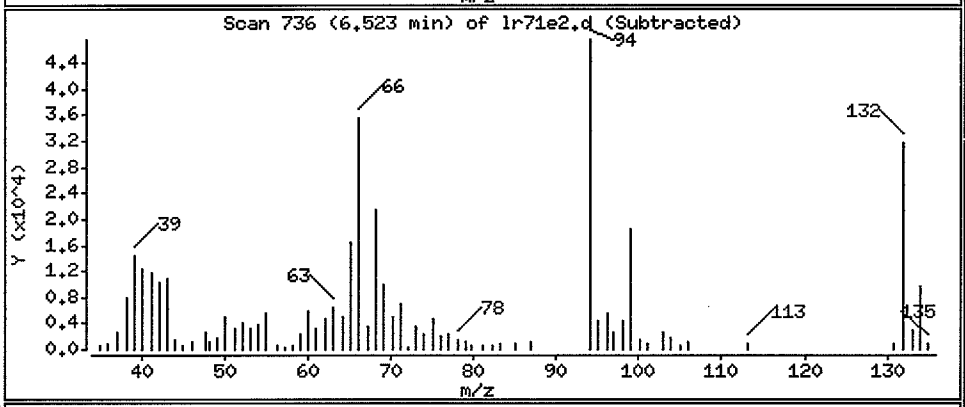
Column phase: ZB-5

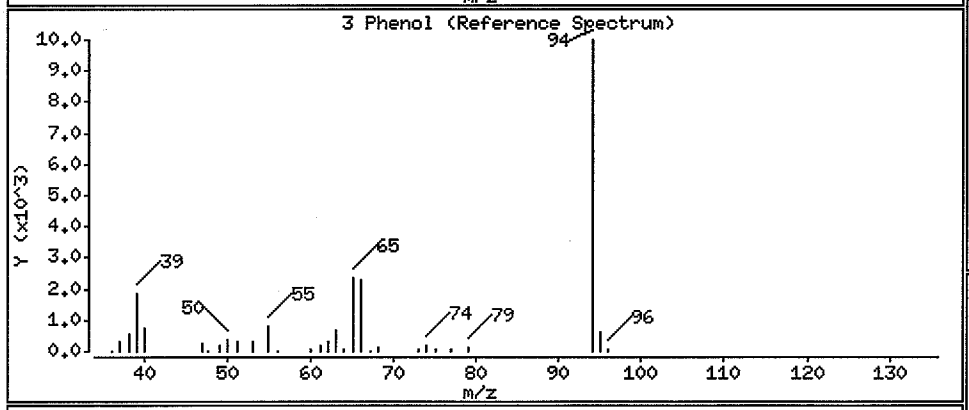
Column diameter: 0.32

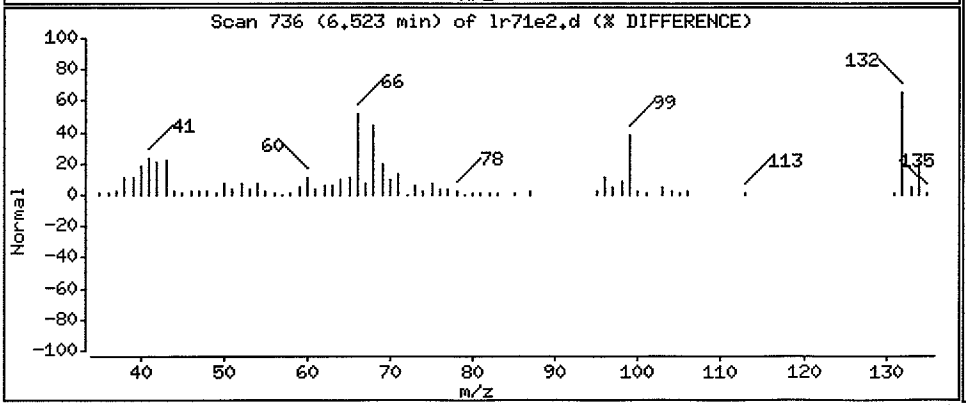
3 Phenol

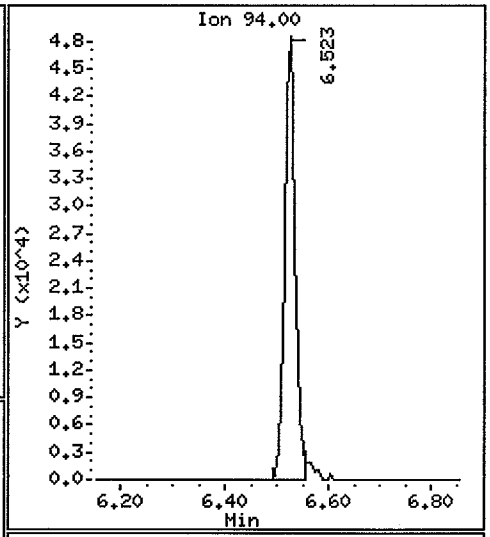
Concentration: 73.74 ug/kg

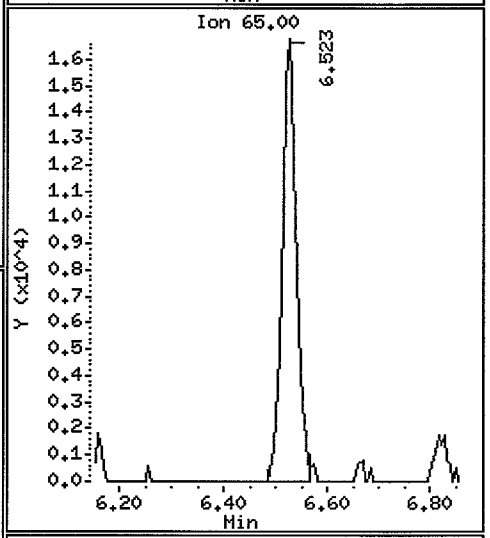


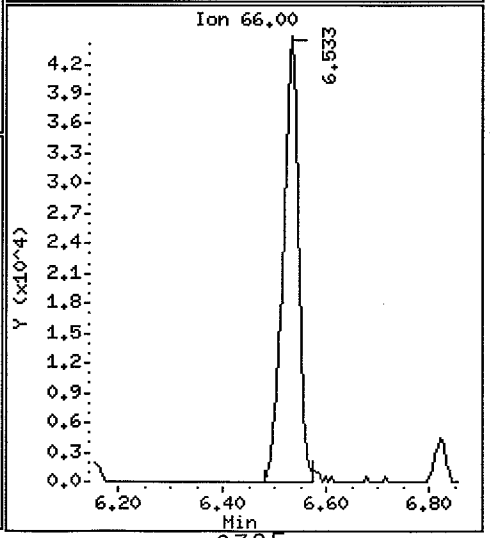












Data File: /chem3/nt4.i/20071101.b/lr71e2.d

Date : 01-NOV-2007 18:45

Client ID: AN-SS-10-070928

Instrument: nt4.i

Sample Info: LR71ERE

Volume Injected (uL): 1.0

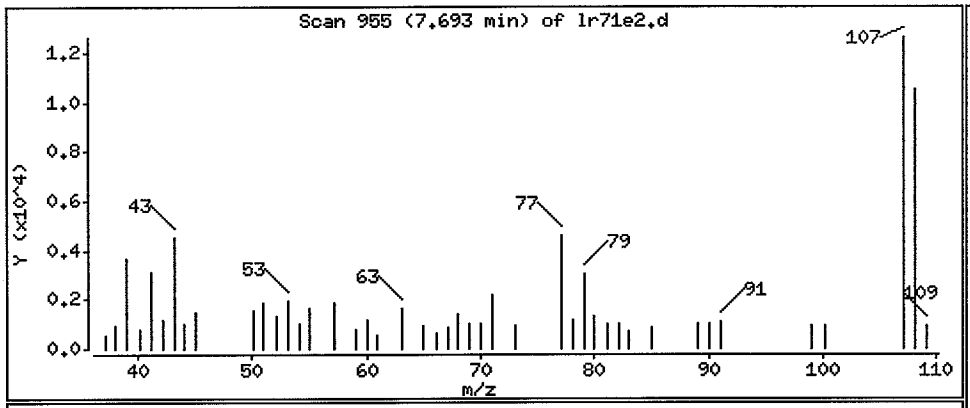
Operator: VTS

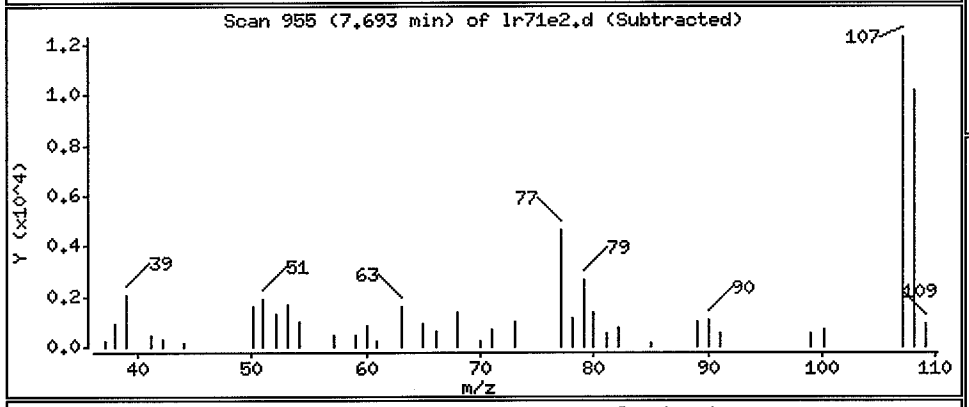
Column phase: ZB-5

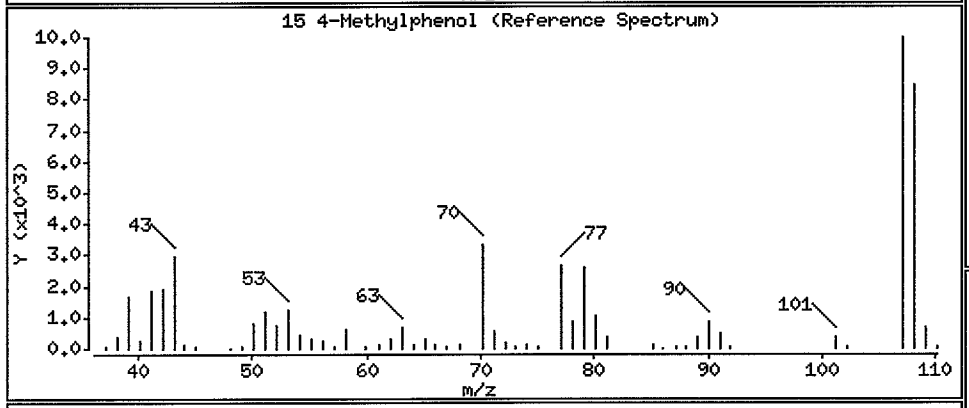
Column diameter: 0.32

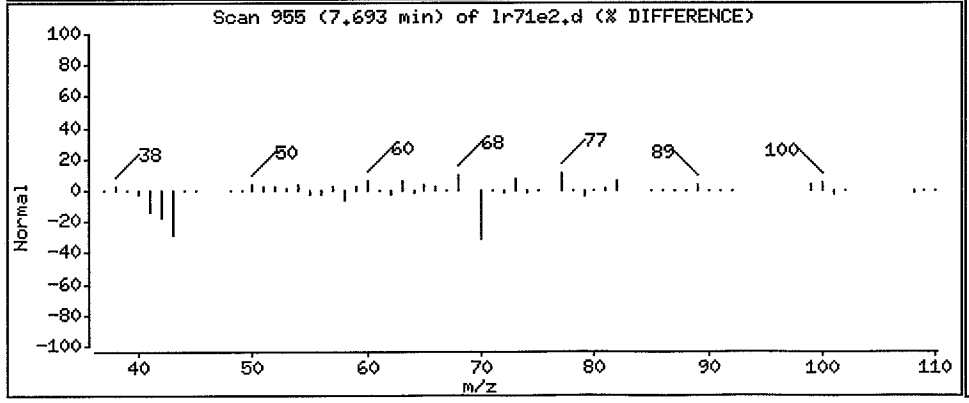
15 4-Methylphenol

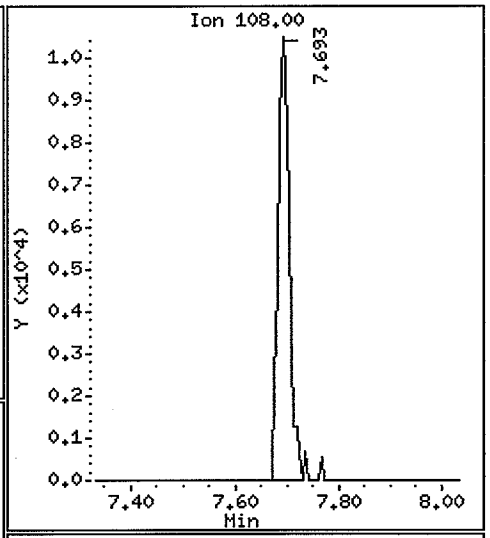
Concentration: 24.44 ug/kg

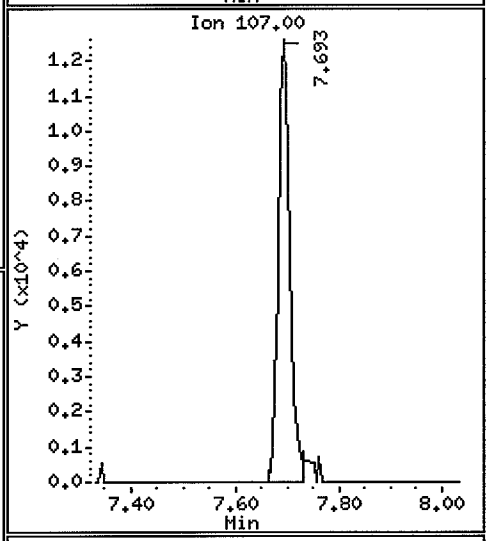


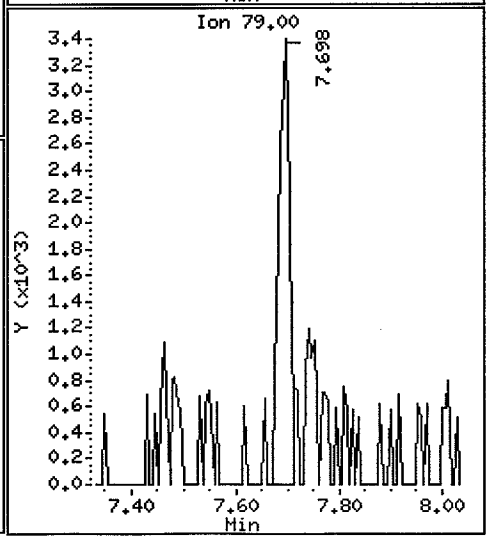












Data File: /chem3/nt4.i/20071101.b/lr71e2.d

Date : 01-NOV-2007 18:45

Client ID: AN-SS-10-070928

Instrument: nt4.i

Sample Info: LR71ERE

Volume Injected (uL): 1.0

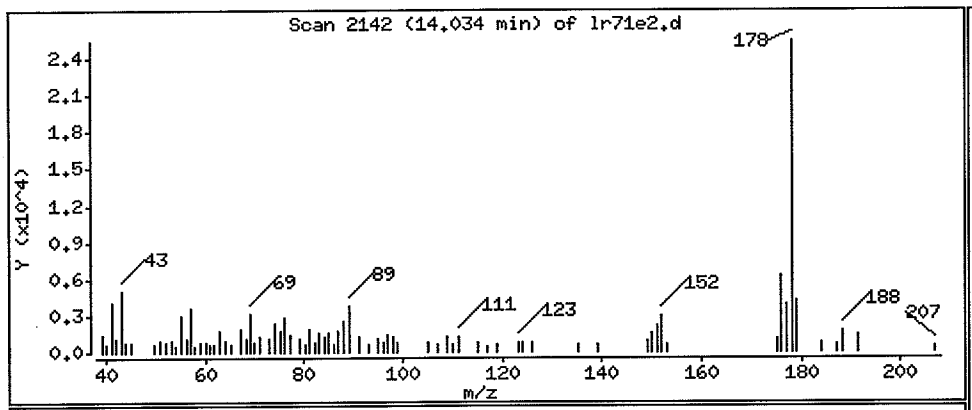
Operator: VTS

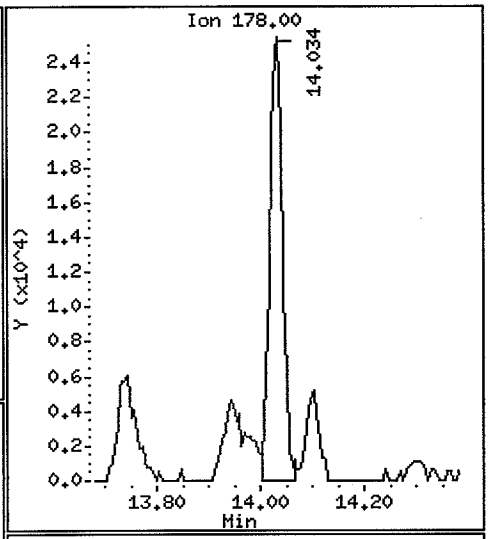
Column phase: ZB-5

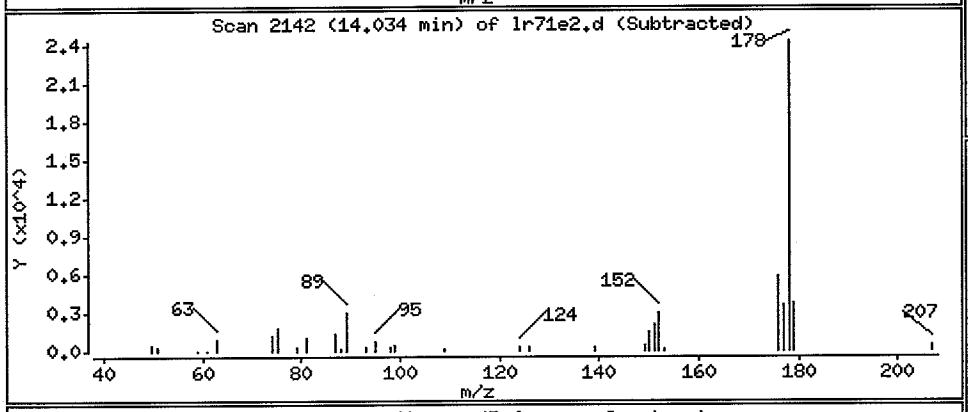
Column diameter: 0.32

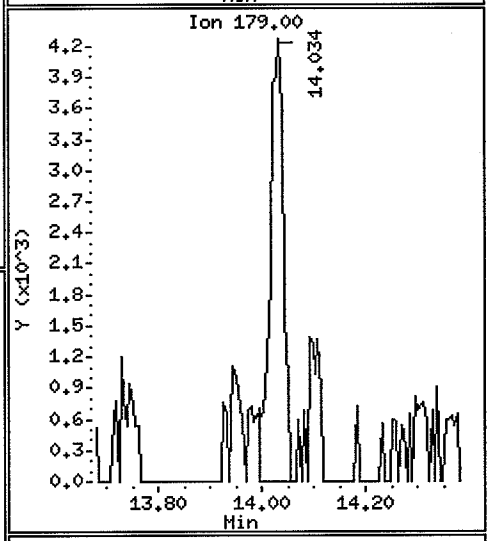
60 Phenanthrene

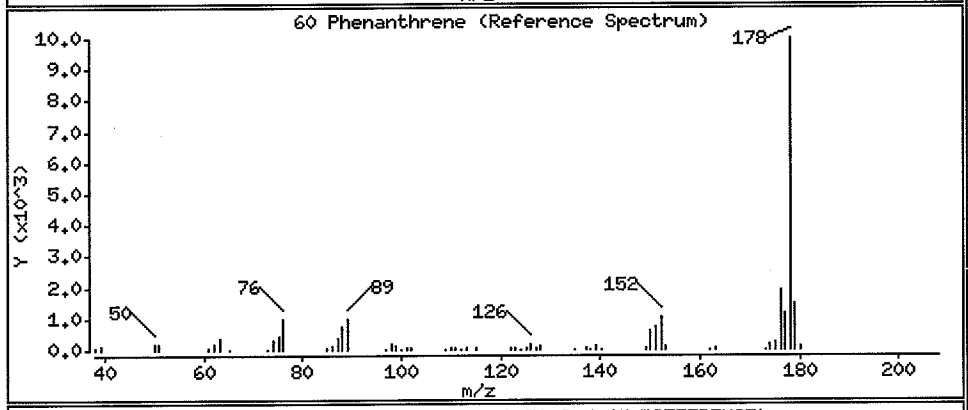
Concentration: 27.37 ug/kg

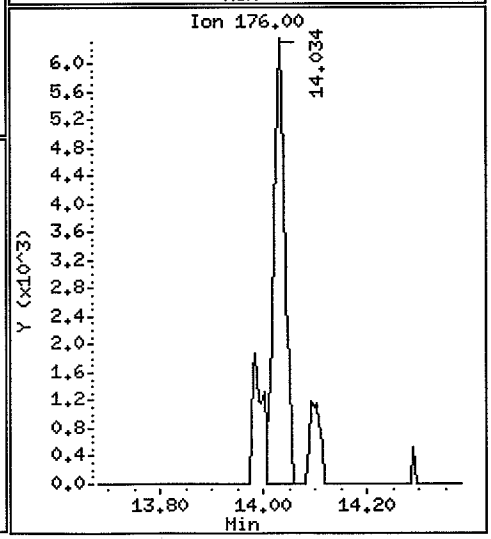


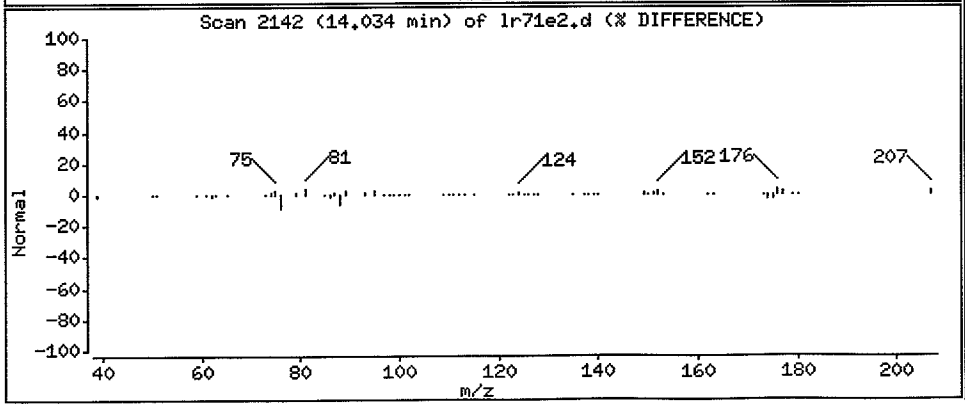












Data File: /chem3/nt4.i/20071101.b/lr71e2.d

Date : 01-NOV-2007 18:45

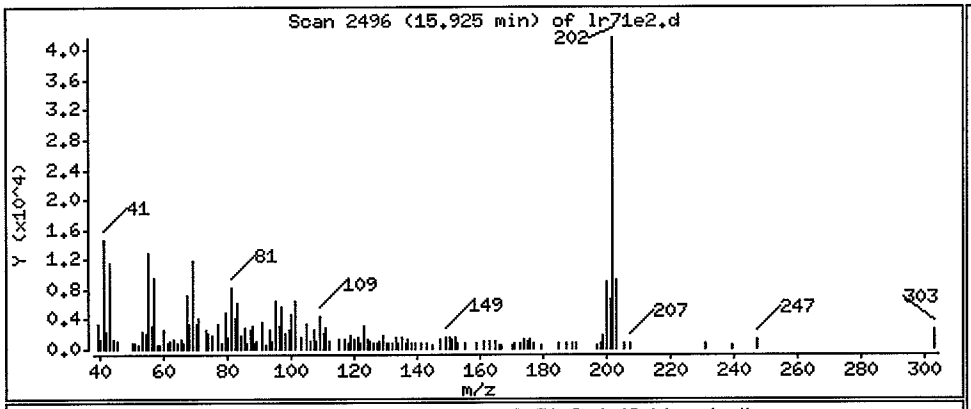
Client ID: AN-SS-10-070928 Instrument: nt4.i

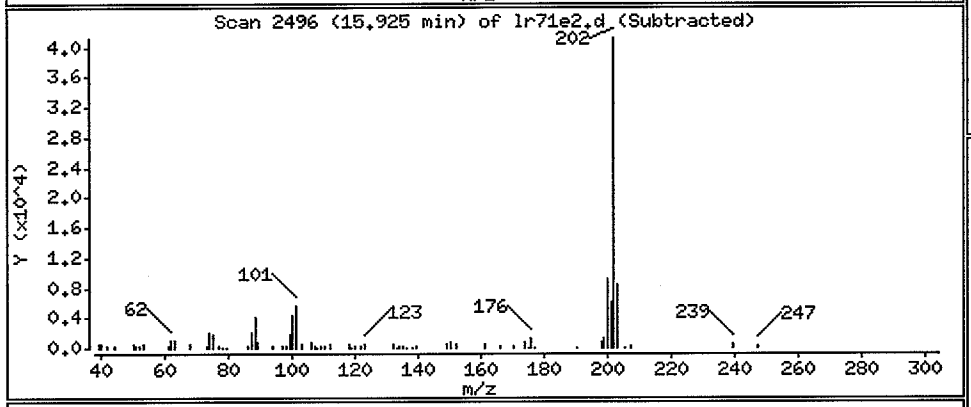
Sample Info: LR71ERE

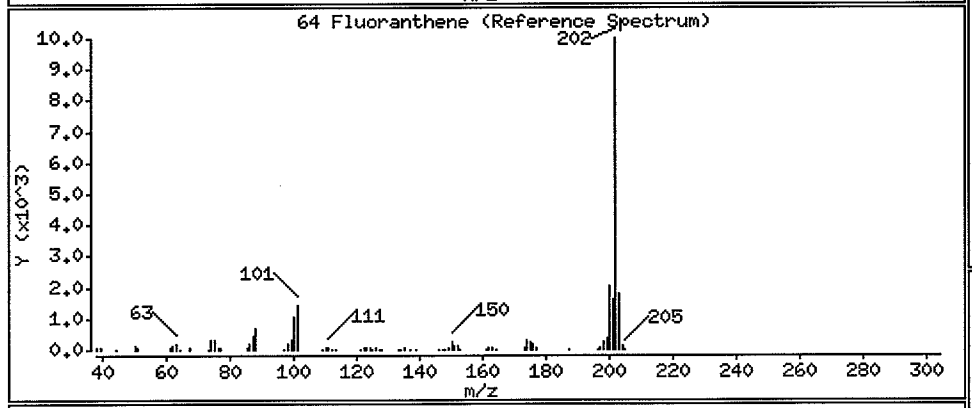
Volume Injected (uL): 1.0 Operator: VTS

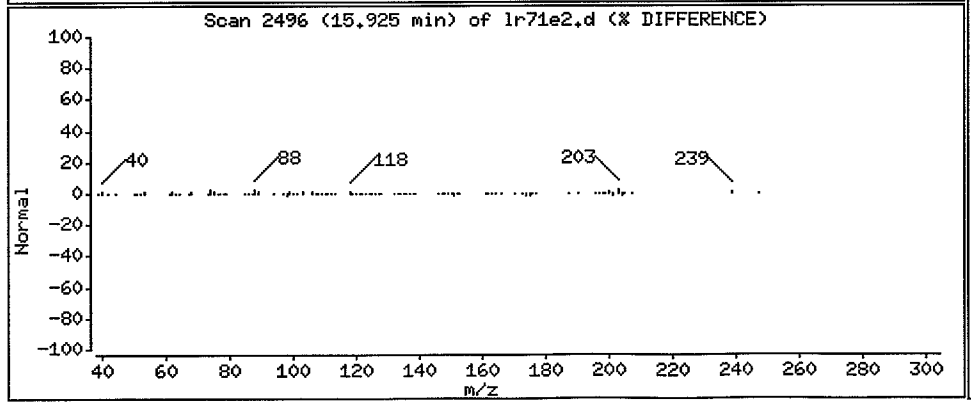
Column phase: ZB-5 Column diameter: 0.32

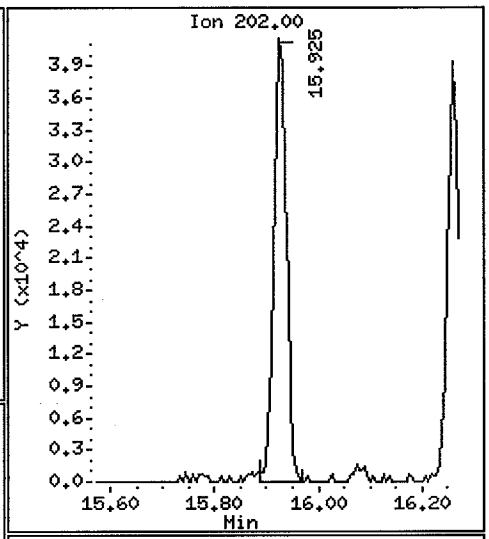
64 Fluoranthene Concentration: 40.81 ug/kg

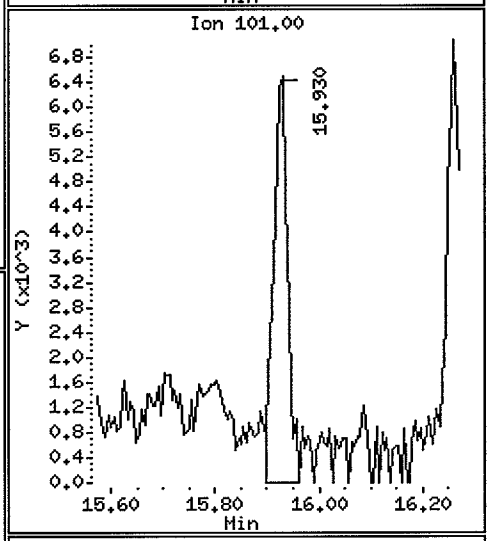


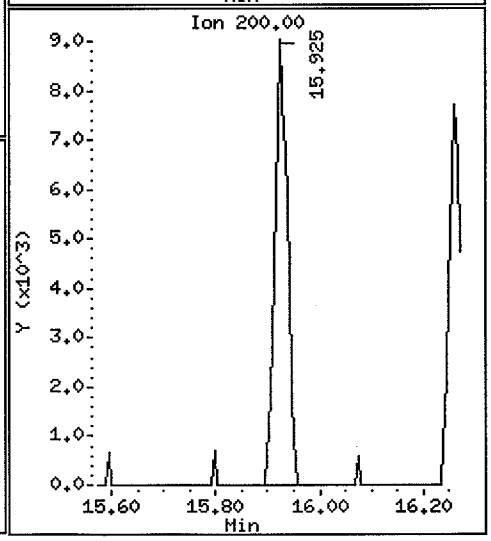












Data File: /chem3/nt4.i/20071101.b/lr71e2.d

Date : 01-NOV-2007 18:45

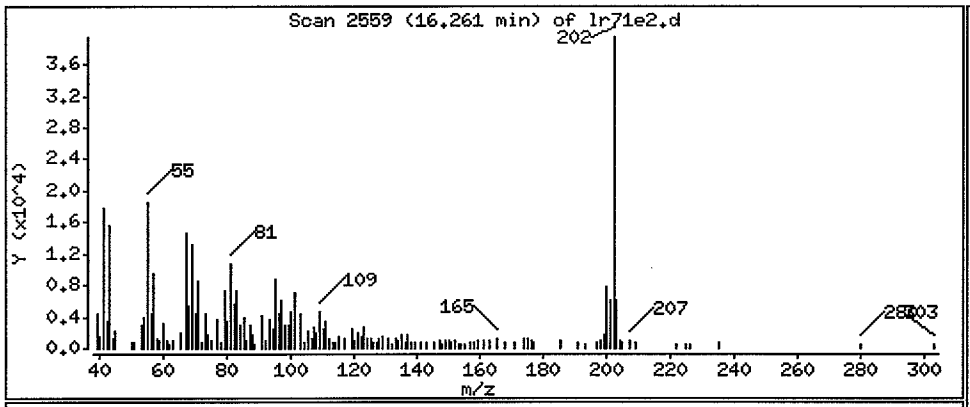
Client ID: AN-SS-10-070928 Instrument: nt4.i

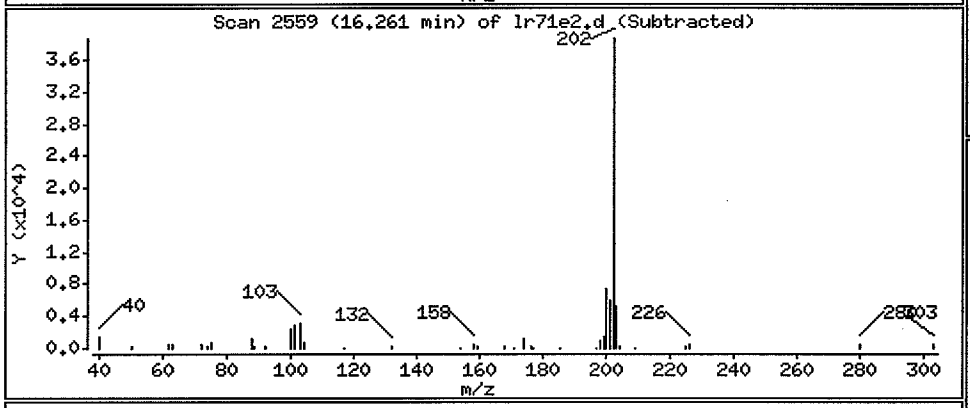
Sample Info: LR71ERE

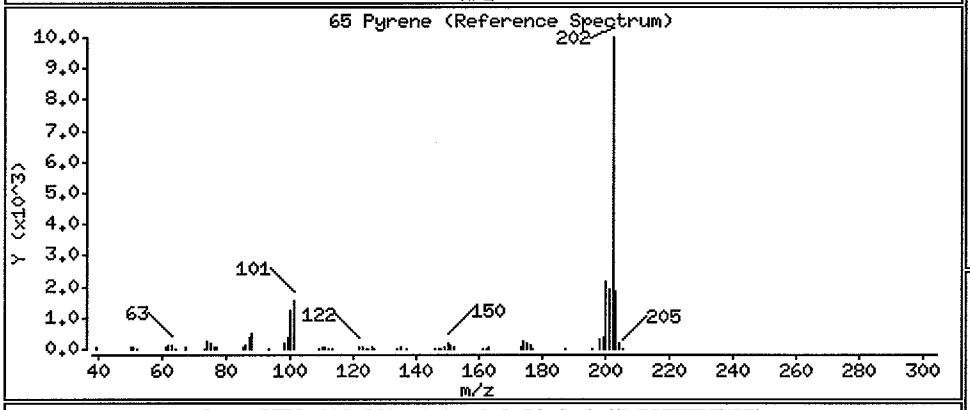
Volume Injected (uL): 1.0 Operator: VTS

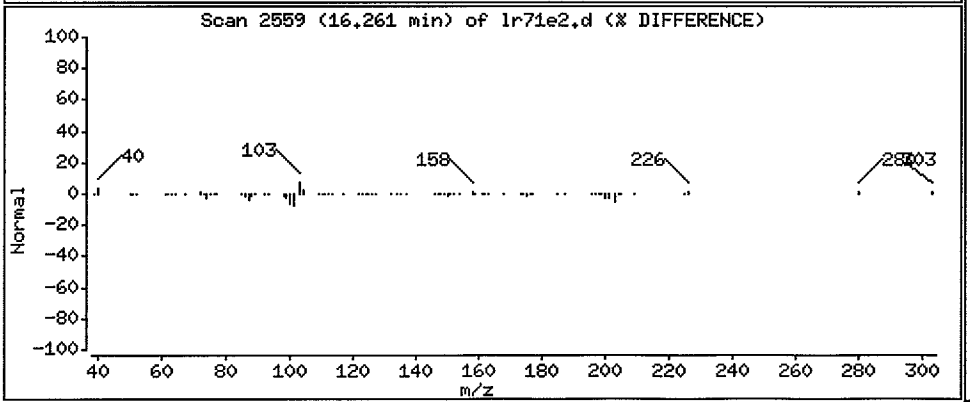
Column phase: ZB-5 Column diameter: 0.32

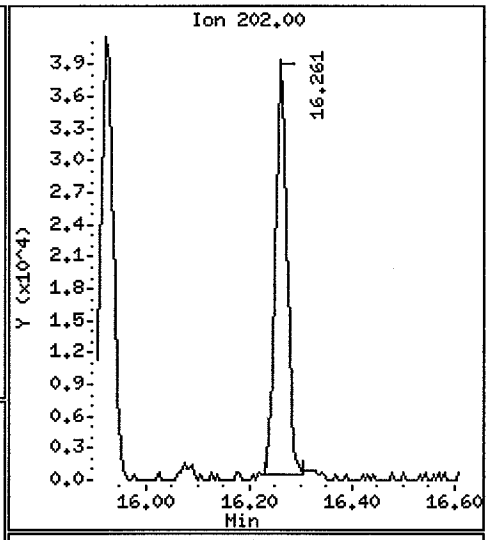
65 Pyrene Concentration: 30.78 ug/kg

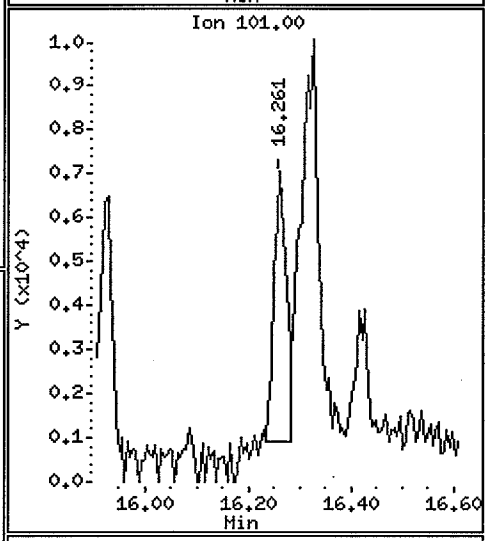


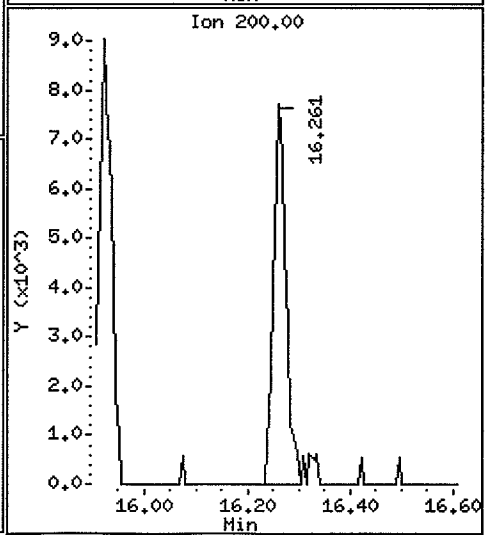












Data File: /chem3/nt4.i/20071101.b/lr71e2.d

Date : 01-NOV-2007 18:45

Client ID: AN-SS-10-070928 Instrument: nt4.i

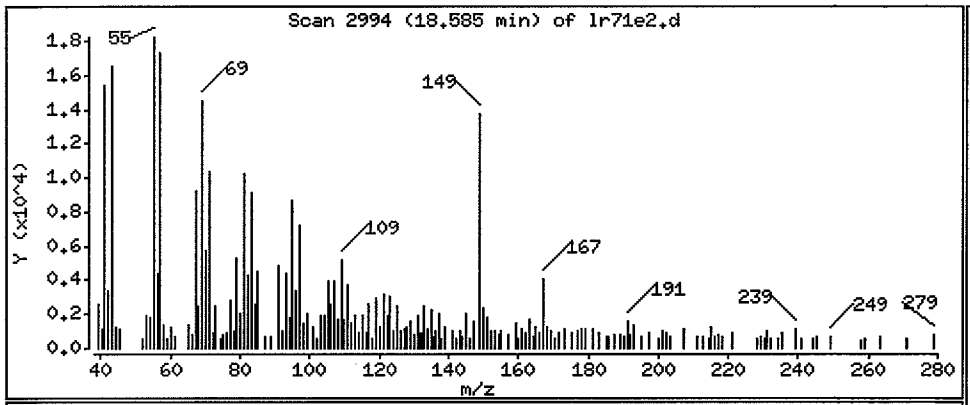
Sample Info: LR71ERE

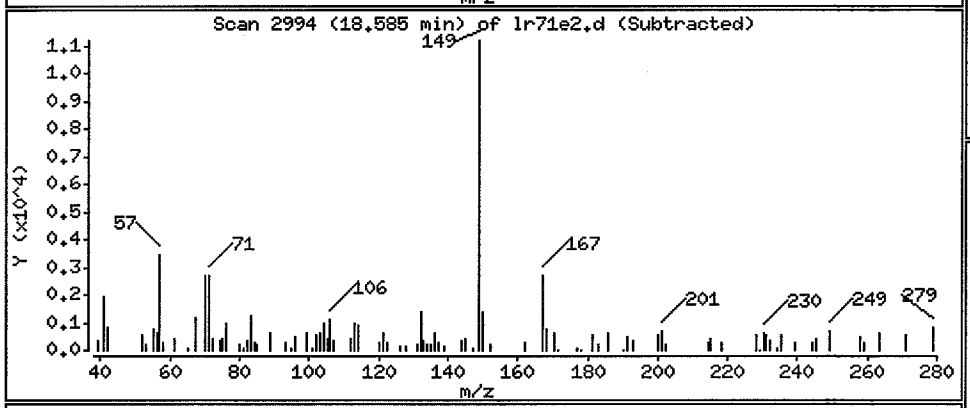
Volume Injected (uL): 1.0 Operator: VTS

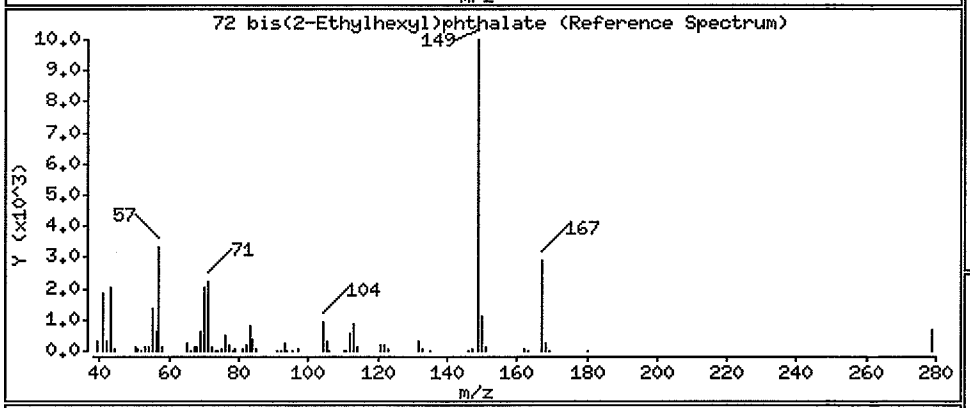
Column phase: ZB-5 Column diameter: 0.32

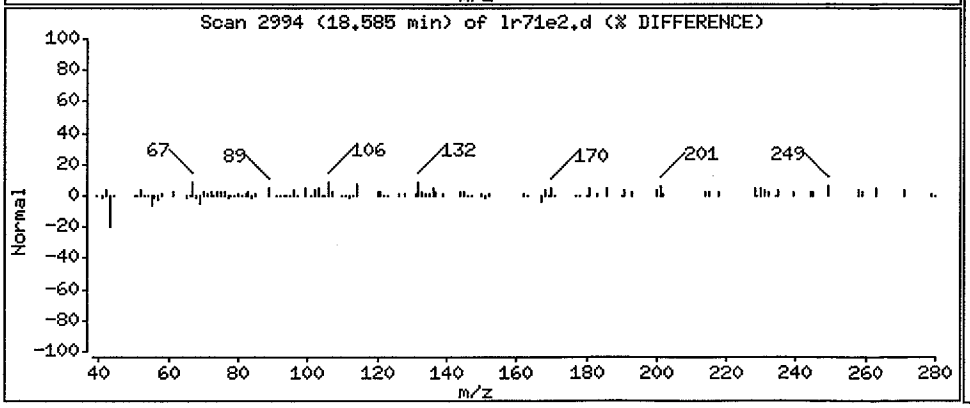
72 bis(2-Ethylhexyl)phthalate Concentration: 19.92 ug/kg

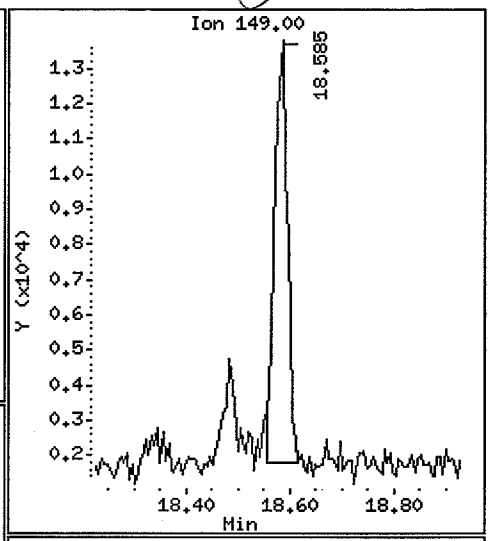
B

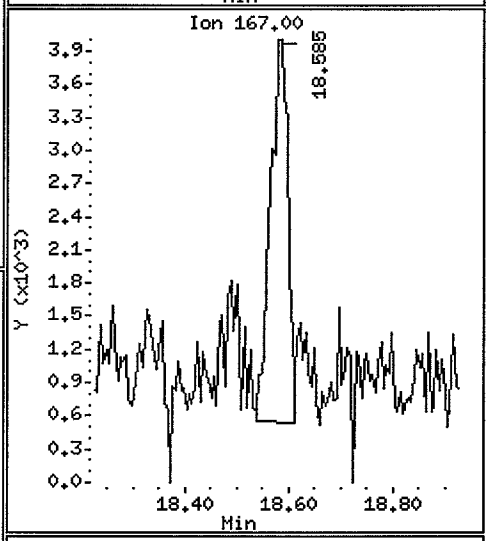


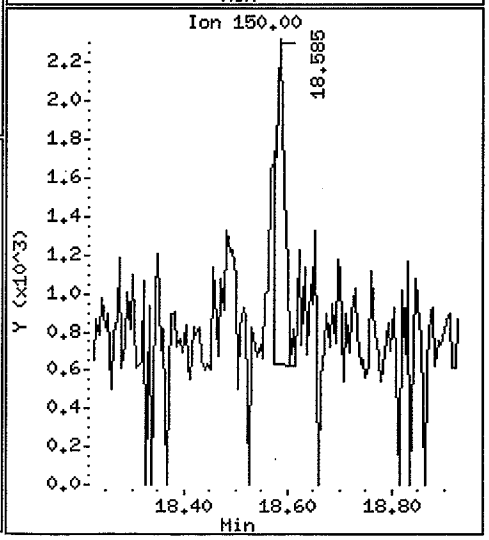












Data File: /chem3/nt4.i/20071101.b/lr71e2.d

Date : 01-NOV-2007 18:45

Client ID: AN-SS-10-070928

Instrument: nt4.i

Sample Info: LR71ERE

Volume Injected (uL): 1.0

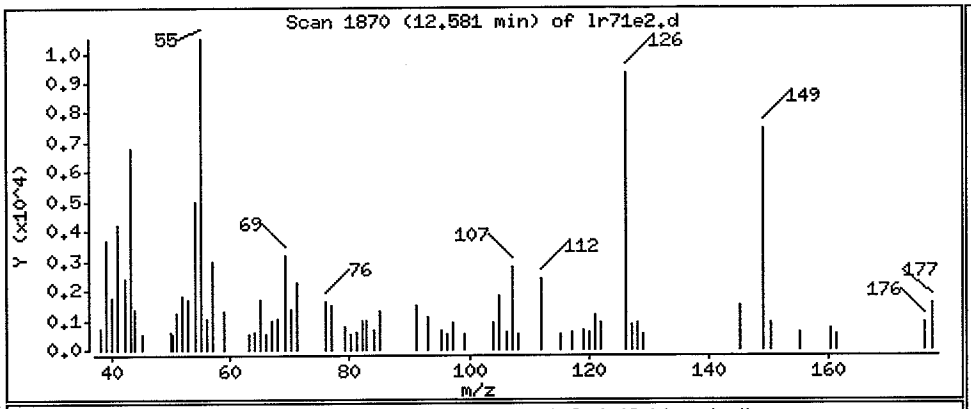
Operator: VTS

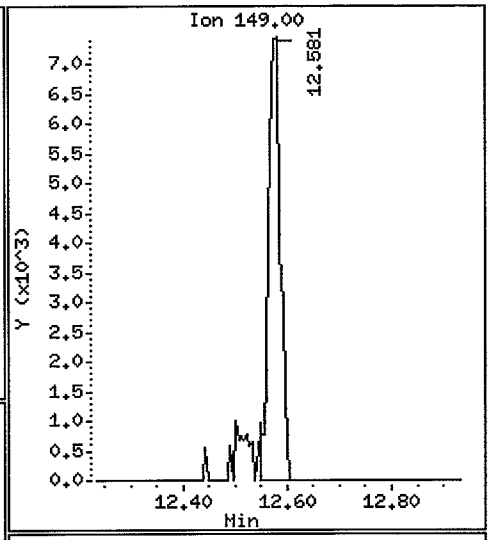
Column phase: ZB-5

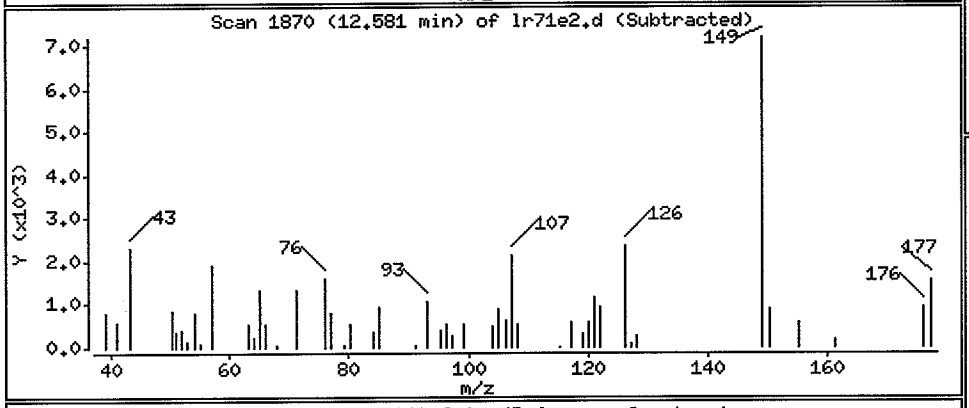
Column diameter: 0.32

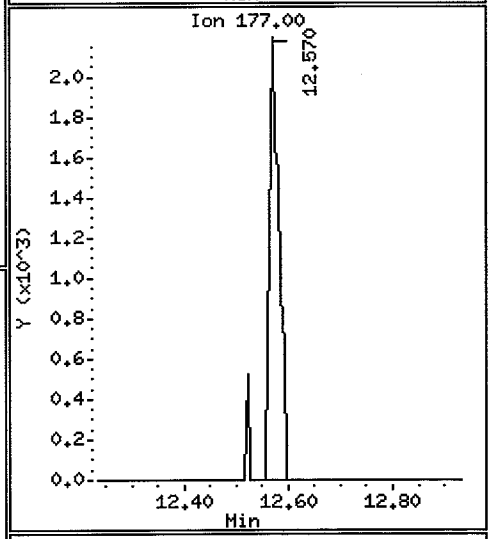
50 Diethylphthalate

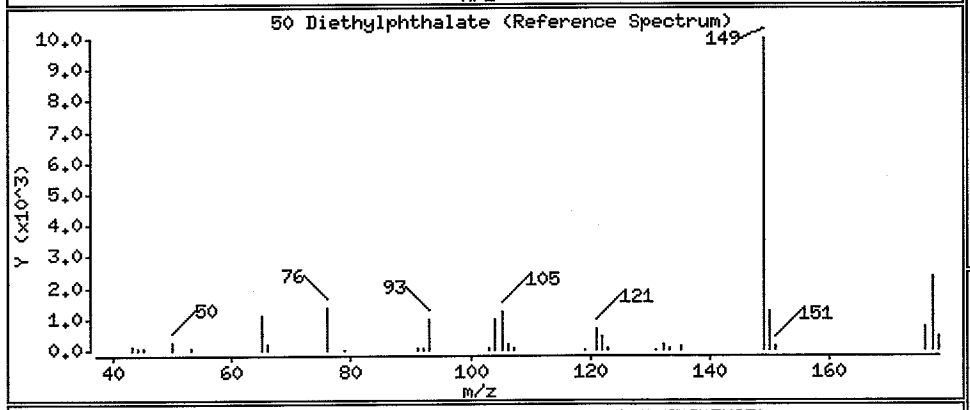
Concentration: 10.69 ug/kg

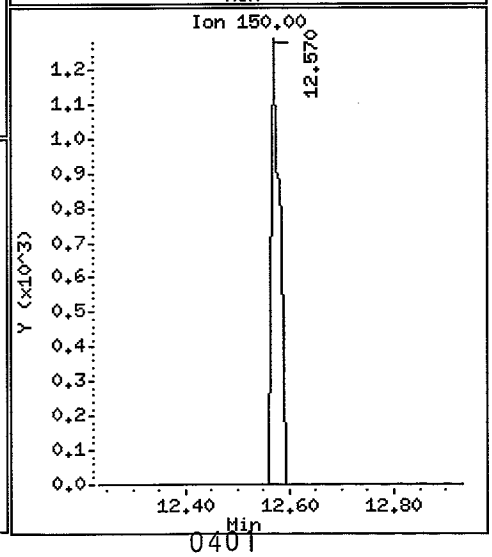


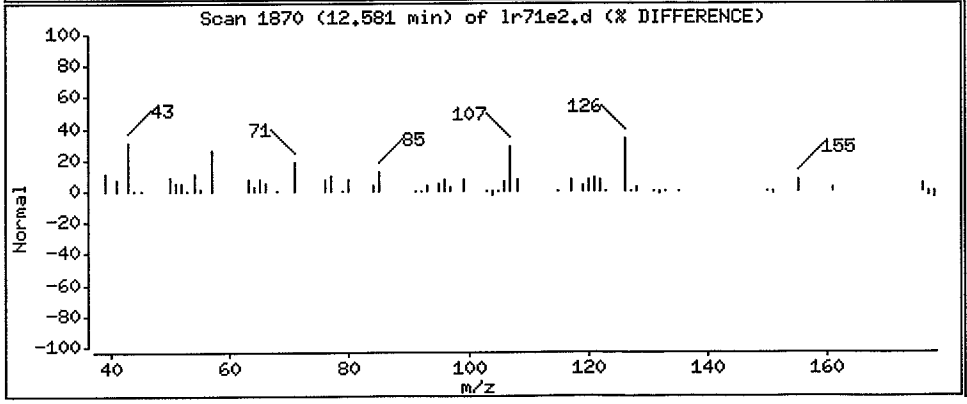












Data File: /chem3/nt4.i/20071101.b/lr71e2.d

Date : 01-NOV-2007 18:45

Client ID: AN-SS-10-070928

Instrument: nt4.i

Sample Info: LR71ERE

Volume Injected (uL): 1.0

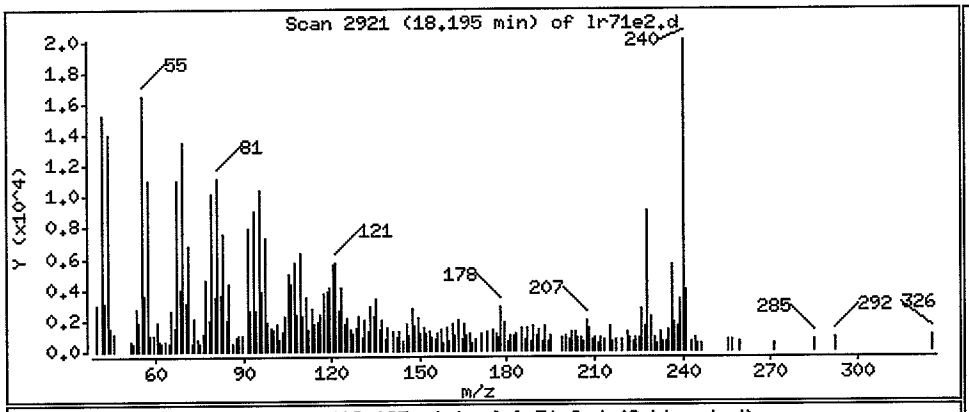
Operator: VTS

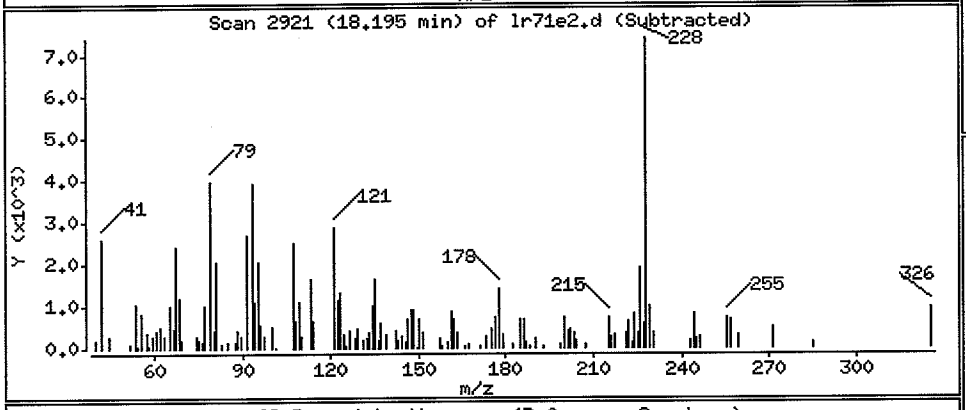
Column phase: ZB-5

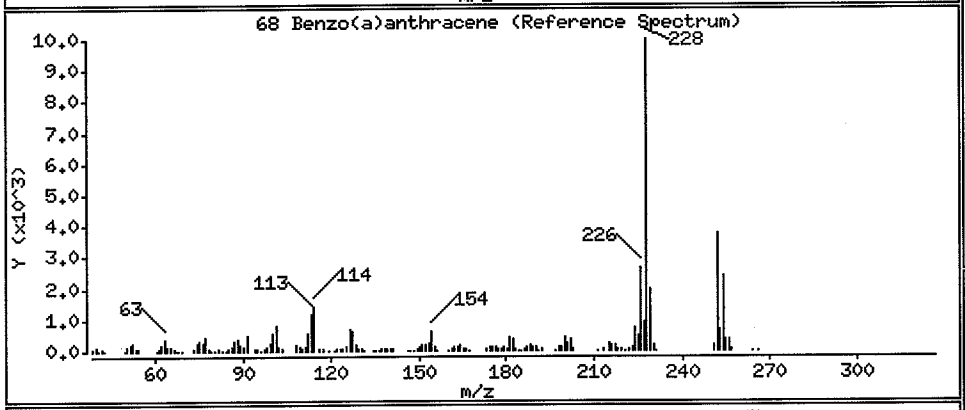
Column diameter: 0.32

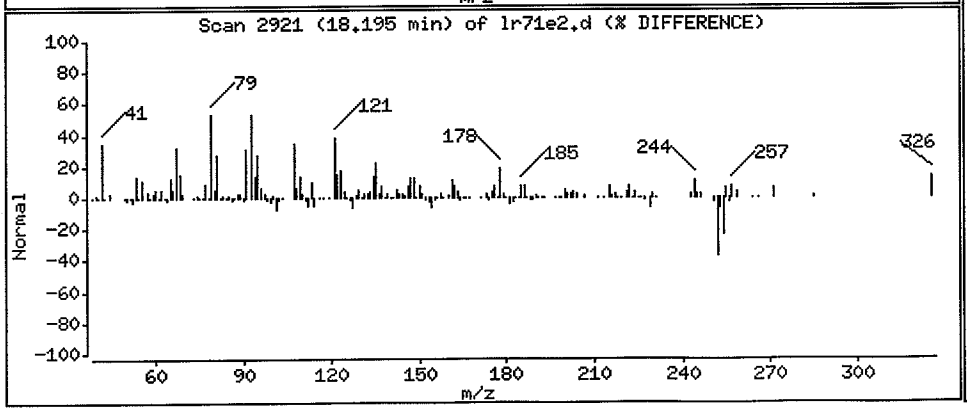
68 Benzo(a)anthracene

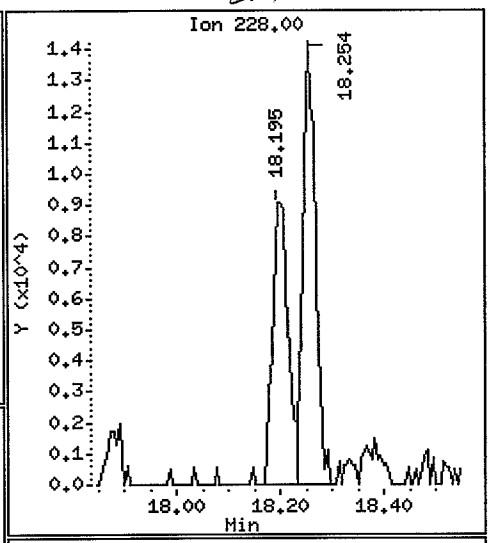
Concentration: 10.67 ug/kg

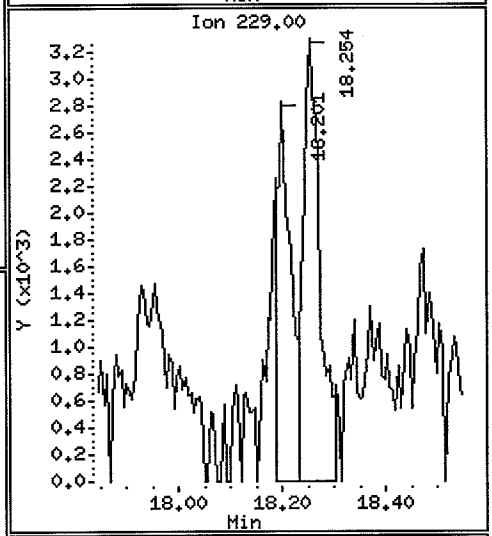


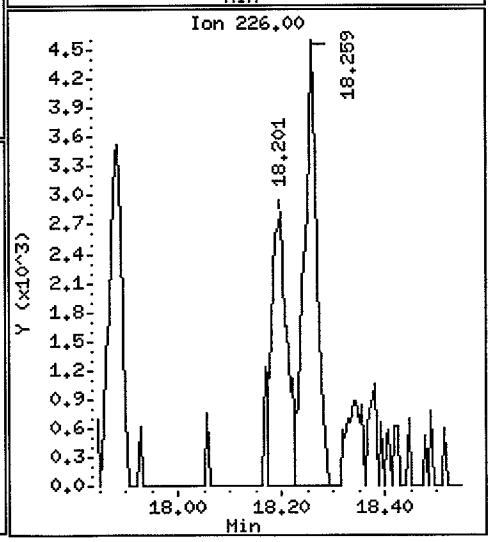












Data File: /chem3/nt4.i/20071101.b/lr71e2.d

Date : 01-NOV-2007 18:45

Client ID: AN-SS-10-070928

Instrument: nt4.i

Sample Info: LR71ERE

Volume Injected (uL): 1.0

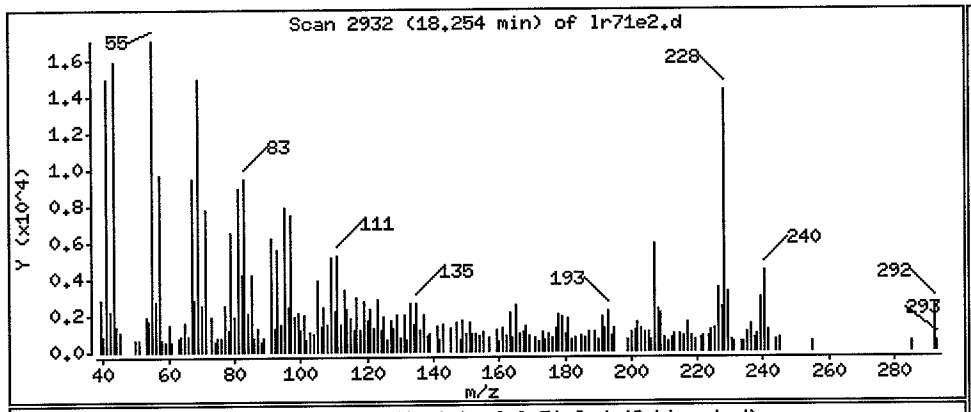
Operator: VTS

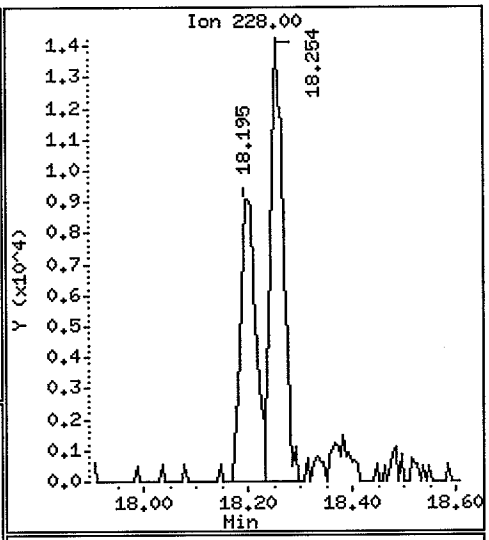
Column phase: ZB-5

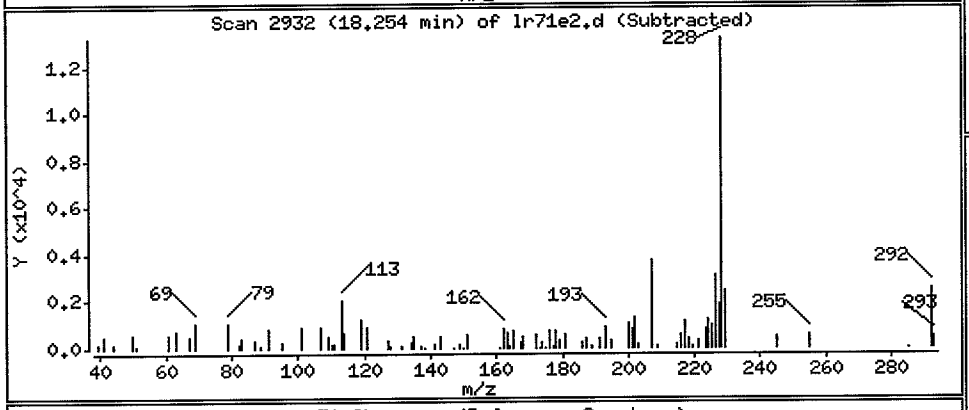
Column diameter: 0.32

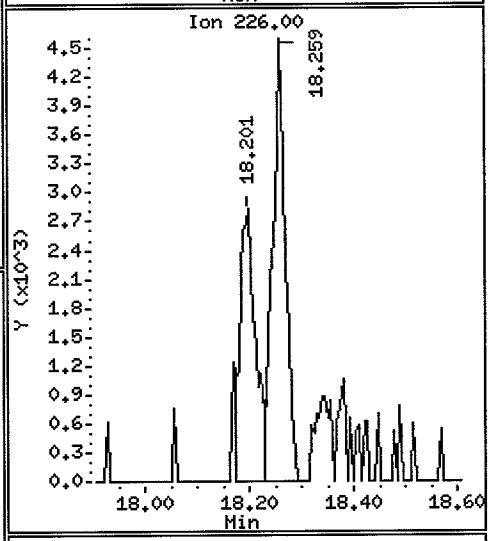
71 Chrysene

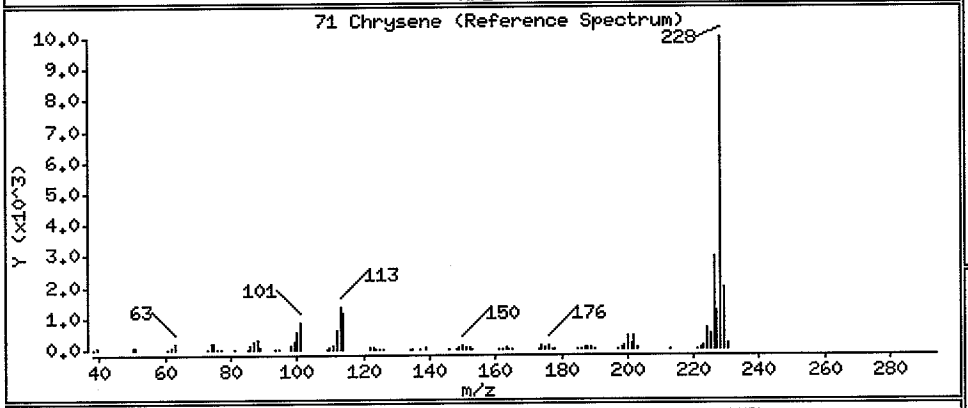
Concentration: 13.97 ug/kg

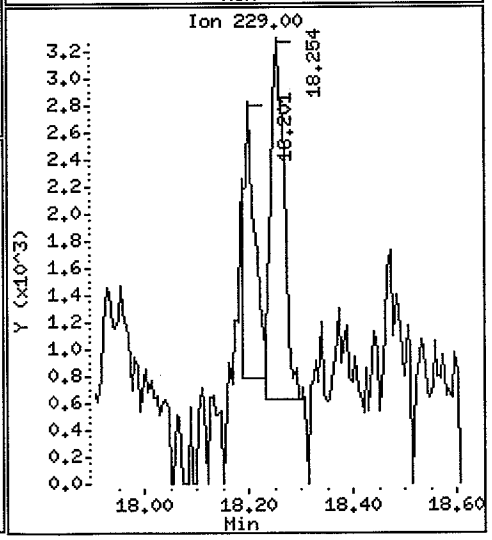


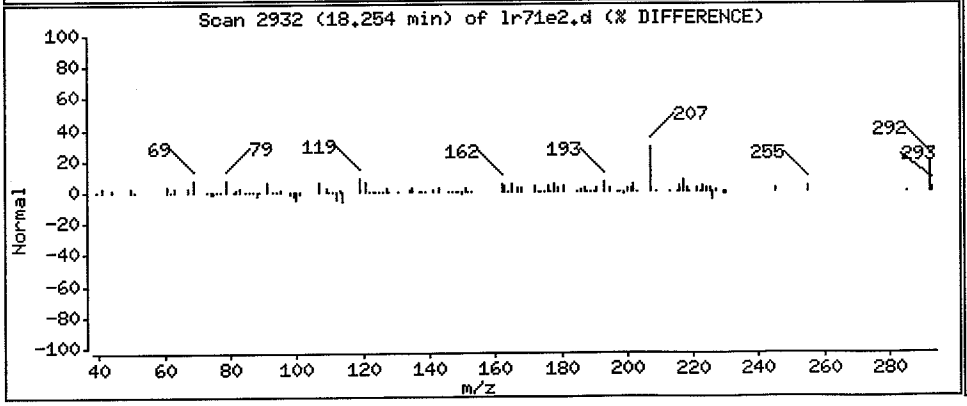












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-11-070928
SAMPLE

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 18:36
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: 32.9%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**40**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	**Naphthalene**	**20**	**40**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	**Acenaphthylene**	**20**	**21**
83-32-9	Acenaphthene	20	< 20 U
132-64-9	**Dibenzofuran**	**20**	**23**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**31**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**280**
120-12-7	**Anthracene**	**20**	**110**
84-74-2	**Di-n-Butylphthalate**	**20**	**44**
206-44-0	**Fluoranthene**	**20**	**2,000 E**
129-00-0	**Pyrene**	**20**	**1,200**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**490**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**250**
218-01-9	**Chrysene**	**20**	**650**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**370**
207-08-9	**Benzo(k)fluoranthene**	**20**	**260**
50-32-8	**Benzo(a)pyrene**	**20**	**220**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**37**
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	**Benzo(g,h,i)perylene**	**20**	**21**

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-11-070928**
 SAMPLE

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Date Analyzed: 10/18/07 18:36

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	46.4%	2-Fluorobiphenyl	46.8%
d14-p-Terphenyl	55.6%	d4-1,2-Dichlorobenzene	42.0%
d5-Phenol	47.7%	2-Fluorophenol	56.3%
2,4,6-Tribromophenol	60.0%	d4-2-Chlorophenol	48.3%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071018.b/lr71f.d
Lab Smp Id: LR71F Client Smp ID: AN-SS-11-070928
Inj Date : 18-OCT-2007 18:36
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71F
Misc Info : 07-20771
Comment : 1ul Injection
Method : /chem1/nt6.i/20071018.b/SW846.m
Meth Date : 25-Oct-2007 15:32 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 10/25/07

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	75.00000	Weight of sample extracted (g)
M	32.90000	% 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	5.975	5.917	(0.755)	294006	21.0648	418.6
$ 2	Phenol-d5	99	7.498	7.488	(0.947)	319421	17.9153	356.0
3	Phenol	94	Compound Not Detected.					
$ 5	2-Chlorophenol-d4	132	7.615	7.600	(0.962)	215105	18.1142	359.9
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	7.915	7.904	(1.000)	189400	20.0000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	8.214	8.204	(1.038)	93569	10.5076	208.8
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	8.684	8.674	(1.097)	26423	1.98660	39.48
$	18 Nitrobenzene-d5	82	8.844	8.845	(0.887)	221080	11.5791	230.1
	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	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.971	9.961	(1.000)	594257	20.0000	
	28 Naphthalene	128	9.998	9.999	(1.003)	73579	2.00868	39.91
	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	11.131	11.126	(1.116)	15392	0.83627 LDL	16.62
	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	11.782	11.777	(0.917)	325964	11.7398	233.3
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	12.594	12.584	(0.980)	38559	1.05445	20.95
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.851	12.841	(1.000)	356615	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.899	12.894	(1.004)	18639	0.80760 LDL	16.05
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	13.161	13.156	(1.024)	37386	1.15624	22.98
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	13.721	13.711	(1.068)	40281	1.57722	31.34
	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	14.149	14.139	(1.101)	77825	22.4933	447.0
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	15.239	15.223	(1.000)	642771	20.0000	
	60 Phenanthrene	178	15.271	15.261	(1.002)	574788	13.9374	276.9
	61 Anthracene	178	15.345	15.335	(1.007)	236994	5.73917	114.0
	62 Carbazole	167	15.634	15.624	(1.026)	67195	1.82934	36.35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	16.371	16.350	(1.074)	95768	2.23602	44.43
64	Fluoranthene	202	17.253	17.205	(1.132)	4678824	99.2082 E	1971
65	Pyrene	202	17.600	17.563	(0.899)	3693085	59.8630	1190
$ 66	Terphenyl-d14	244	17.910	17.884	(0.914)	537167	13.9109	276.4
67	Butylbenzylphthalate	149	18.807	18.776	(0.960)	14235	0.52476 LDL	10.43 (M)
68	Benzo(a)anthracene	228	19.566	19.529	(0.999)	1651986	24.5459	487.7
* 69	Chrysene-d12	240	19.587	19.556	(1.000)	858973	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	19.630	19.598	(1.002)	1976020	32.6719	649.2
72	bis(2-Ethylhexyl)phthalate	149	19.806	19.785	(0.955)	461048	12.5900	250.2
* 134	Di-n-octylphthalate-d4	153	20.741	20.720	(1.000)	1211080	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	21.222	21.190	(0.976)	781952	18.4837	367.3
75	Benzo(k)fluoranthene	252	21.249	21.228	(0.977)	593610	13.2645	263.6 (M)
76	Benzo(a)pyrene	252	21.671	21.639	(0.997)	425413	10.9543	217.7
* 77	Perylene-d12	264	21.745	21.719	(1.000)	589128	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	23.236	23.215	(1.069)	84996	1.84545	36.67
79	Dibenzo(a,h)anthracene	278	23.257	23.236	(1.070)	32635	0.84337 LDL	16.76 (M)
80	Benzo(g,h,i)perylene	276	23.642	23.616	(1.087)	49001	1.06392	21.14
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	11.301	11.297	(1.133)	11106	0.60508 LDL	12.02
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: lr71f.d
Lab Smp Id: LR71F
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20771

Calibration Date: 18-OCT-2007
Calibration Time: 10:07
Client Smp ID: AN-SS-11-070928
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	189400	-10.69
27 Naphthalene-d8	656578	328289	1313156	594257	-9.49
42 Acenaphthene-d10	353705	176852	707410	356615	0.82
59 Phenanthrene-d10	526440	263220	1052880	642771	22.10
69 Chrysene-d12	581923	290962	1163846	858973	47.61
134 Di-n-octylphthala	979097	489548	1958194	1211080	23.69
77 Perylene-d12	686531	343266	1373062	589128	-14.19

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.90	7.40	8.40	7.91	0.13
27 Naphthalene-d8	9.96	9.46	10.46	9.97	0.10
42 Acenaphthene-d10	12.84	12.34	13.34	12.85	0.08
59 Phenanthrene-d10	15.22	14.72	15.72	15.24	0.10
69 Chrysene-d12	19.56	19.06	20.06	19.59	0.16
134 Di-n-octylphthala	20.72	20.22	21.22	20.74	0.10
77 Perylene-d12	21.72	21.22	22.22	21.75	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

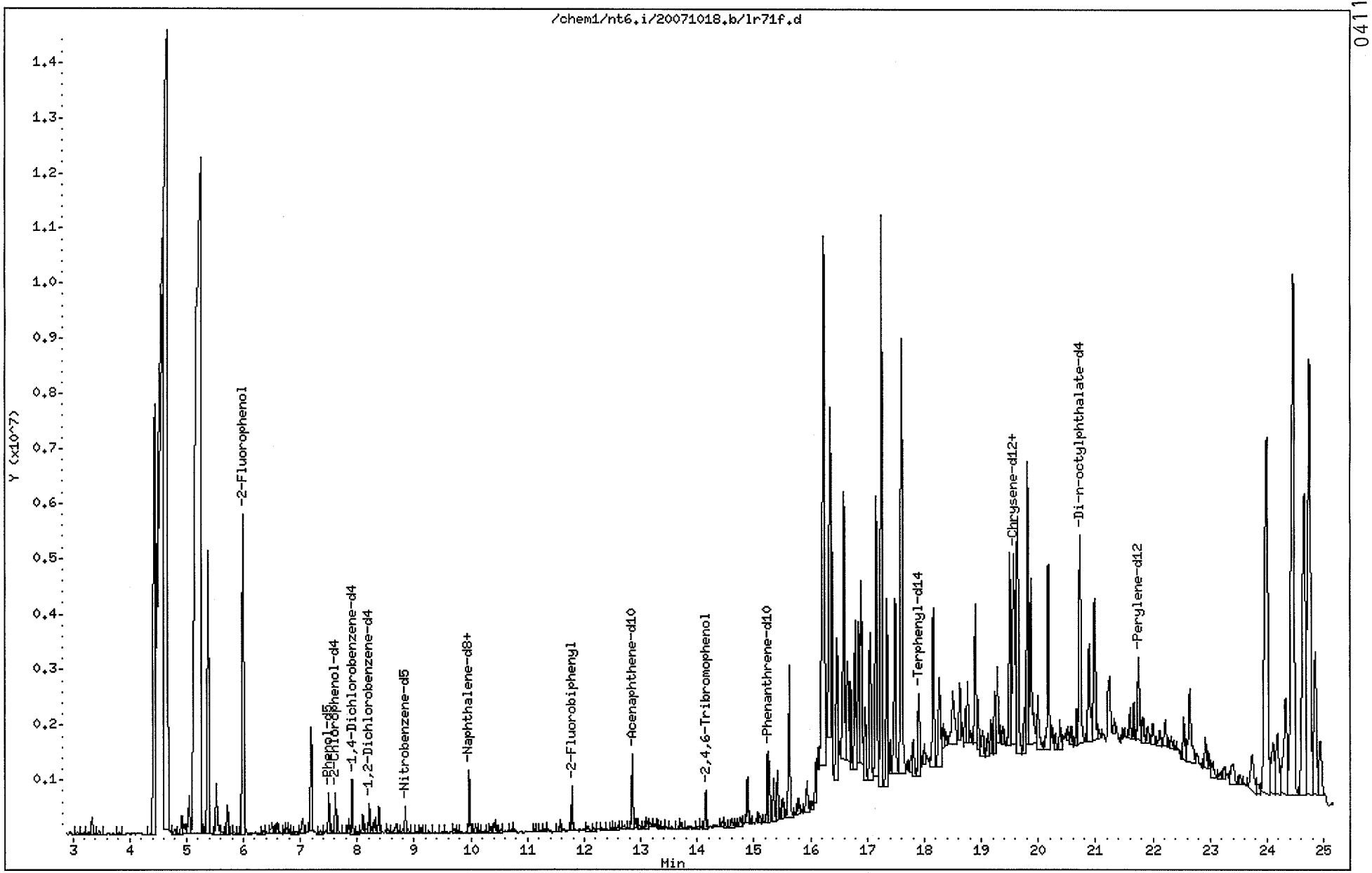
Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71F
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20771

Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-11-070928
Operator: LJR/VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	745.2	418.6	56.17	11-84
$ 2 Phenol-d5	745.2	356.0	47.77	25-86
$ 5 2-Chlorophenol-d4	745.2	359.9	48.30	23-91
$ 10 1,2-Dichlorobenzen	496.8	208.8	42.03	24-90
$ 18 Nitrobenzene-d5	496.8	230.1	46.32	26-88
$ 36 2-Fluorobiphenyl	496.8	233.3	46.96	34-91
$ 55 2,4,6-Tribromophen	745.2	447.0	59.98	25-107
$ 66 Terphenyl-d14	496.8	276.4	55.64	22-100

Data File: /chem1/nt6.i/20071018.b/lr71f.d
Date : 18-OCT-2007 18:36
Client ID: AN-SS-11-070928
Sample Info: LR71F
Volume Injected (uL): 1.0
Column phase: ZB-5

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



Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

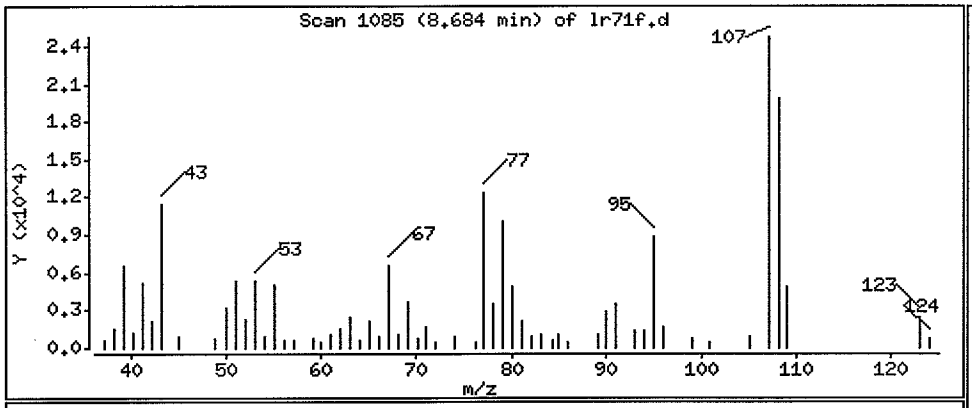
Client ID: AN-SS-11-070928 Instrument: nt6.i

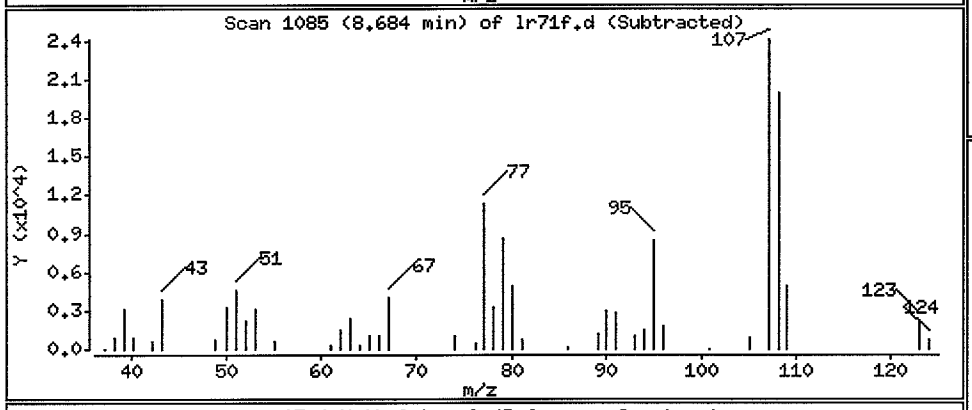
Sample Info: LR71F

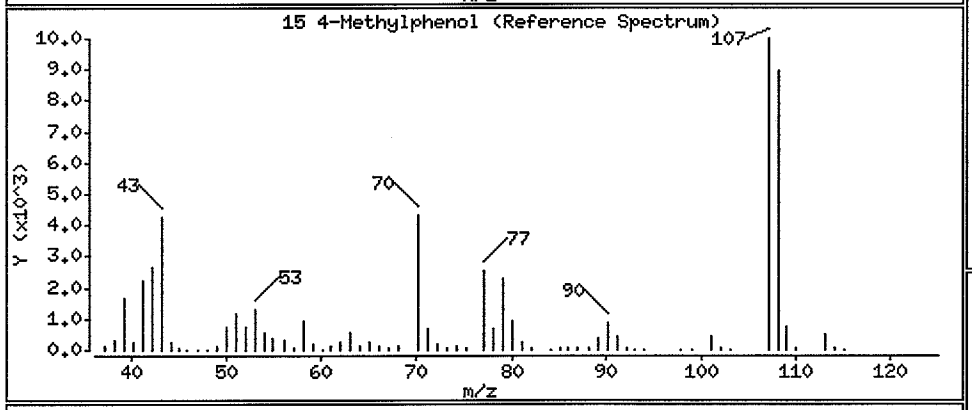
Volume Injected (uL): 1.0 Operator: LJR/VTS

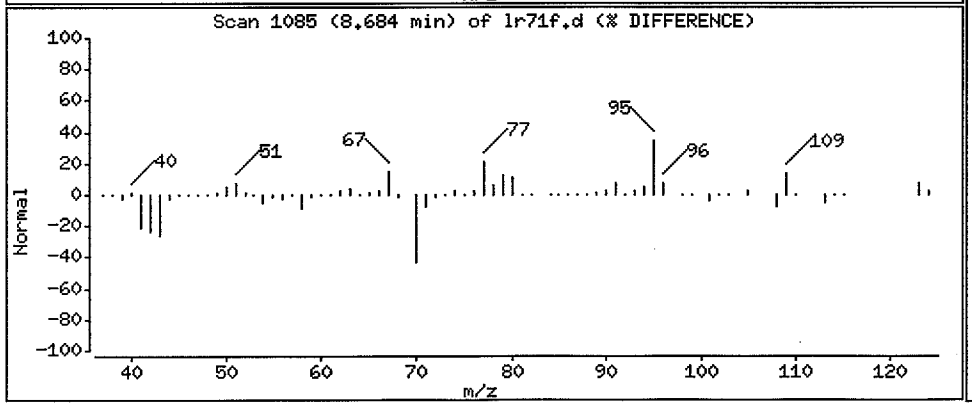
Column phase: ZB-5 Column diameter: 0.32

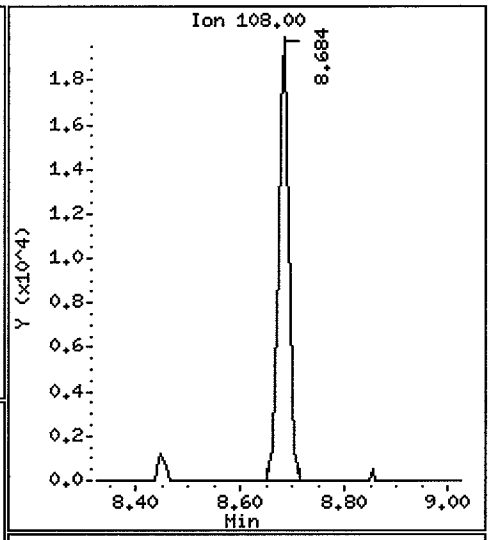
15 4-Methylphenol Concentration: 39.48 ug/kg

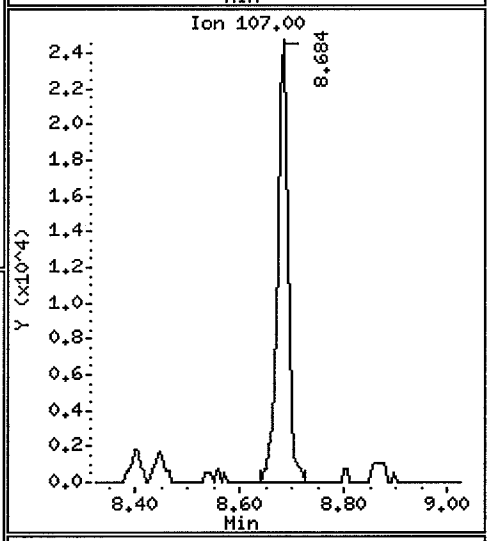


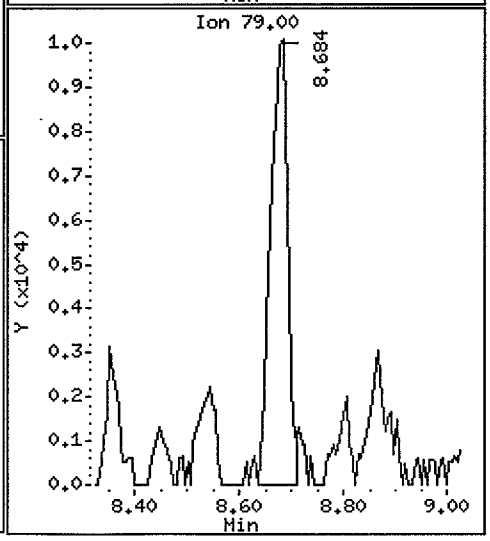












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

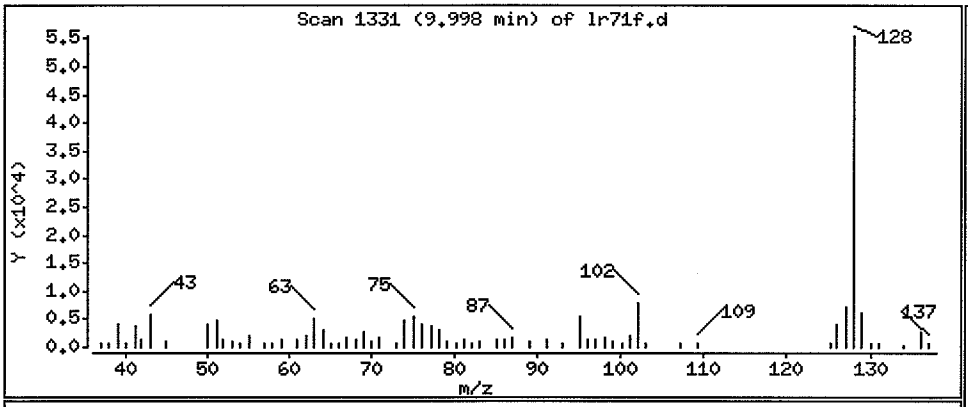
Client ID: AN-SS-11-070928 Instrument: nt6.i

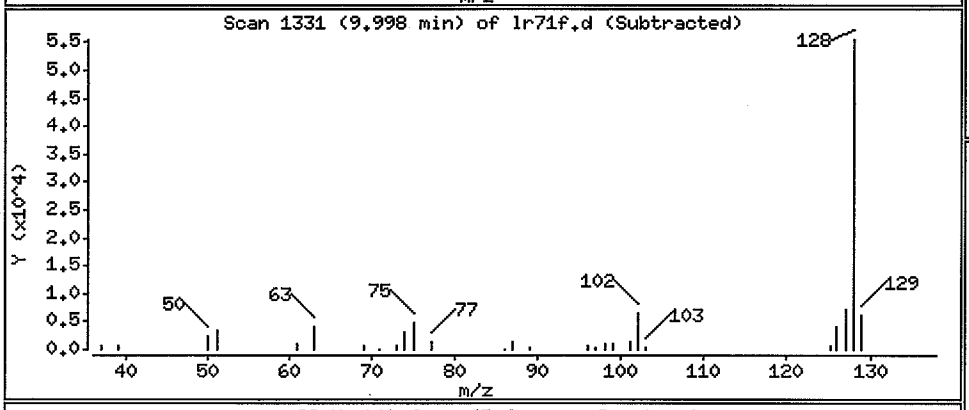
Sample Info: LR71F

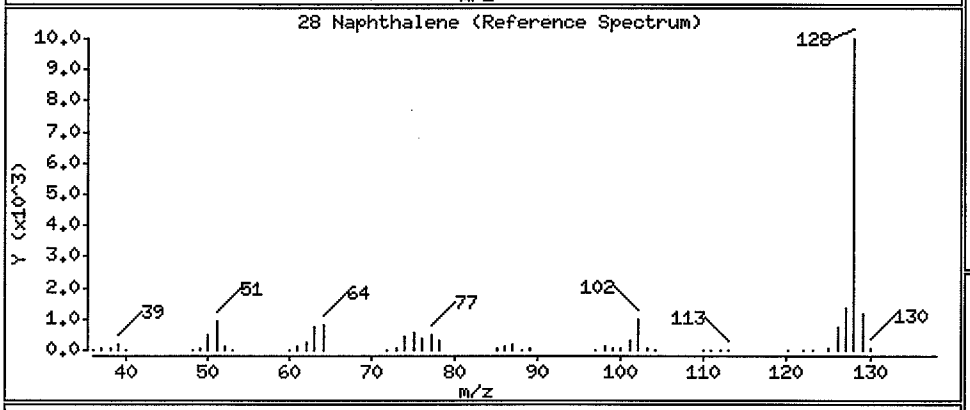
Volume Injected (uL): 1.0 Operator: LJR/VTS

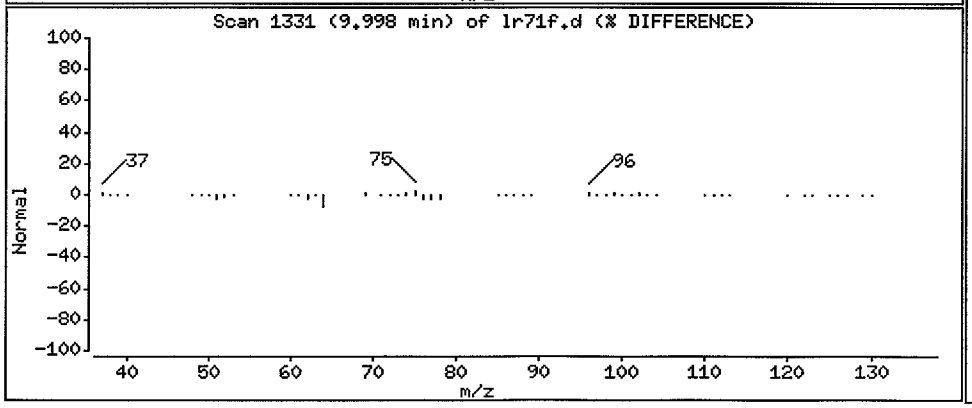
Column phase: ZB-5 Column diameter: 0.32

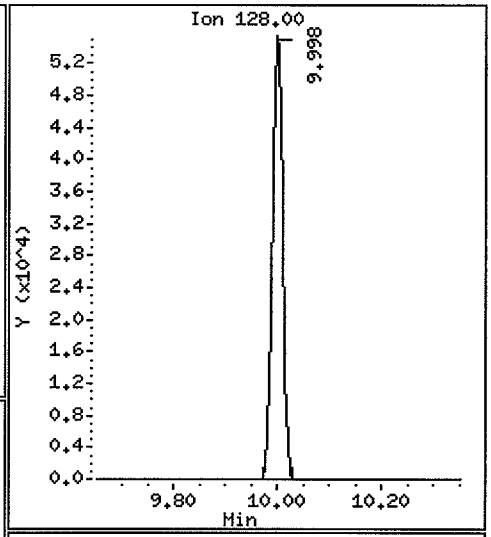
28 Naphthalene Concentration: 39.91 ug/kg

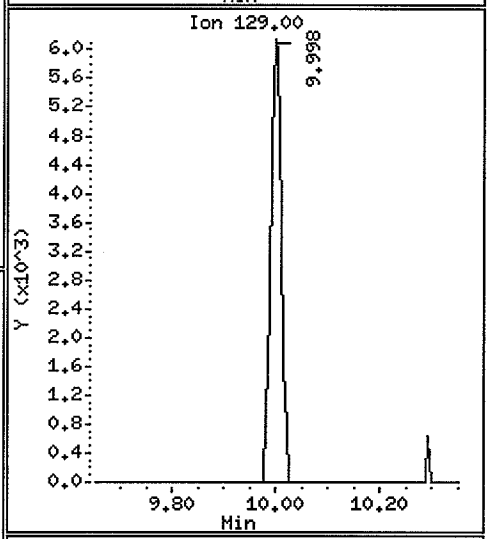


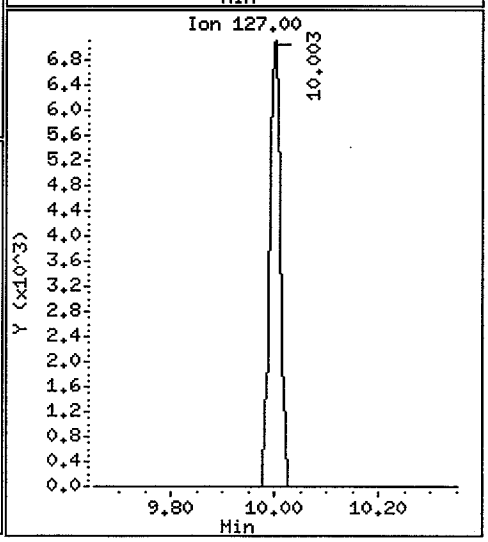












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

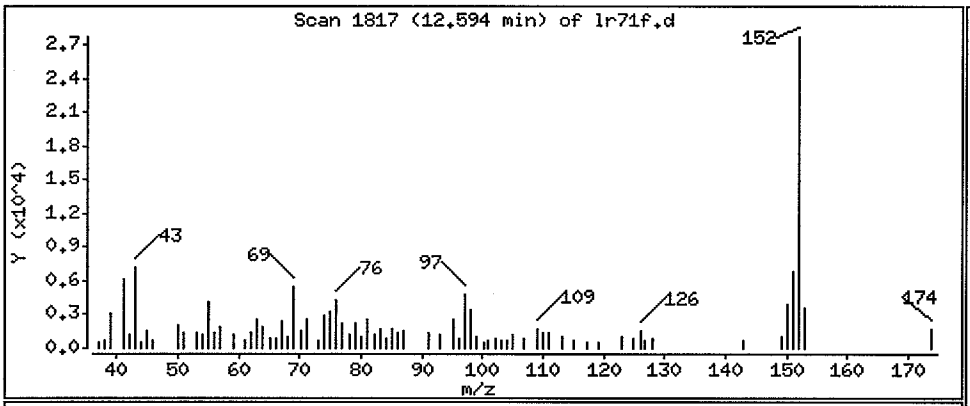
Client ID: AN-SS-11-070928 Instrument: nt6.i

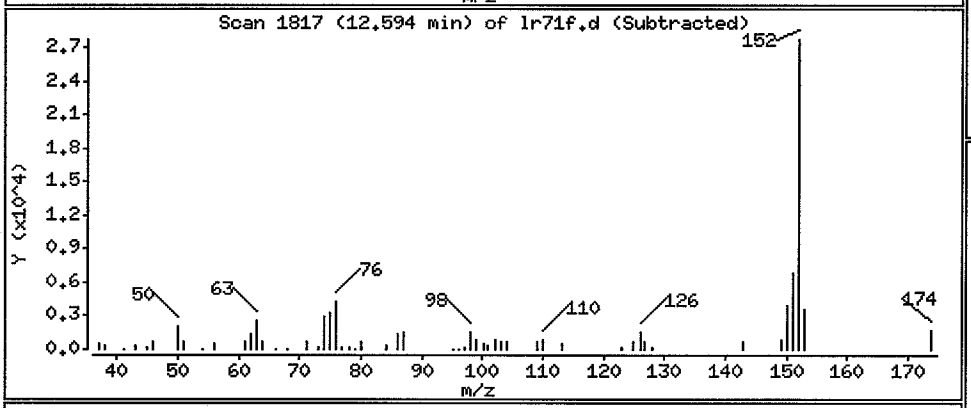
Sample Info: LR71F

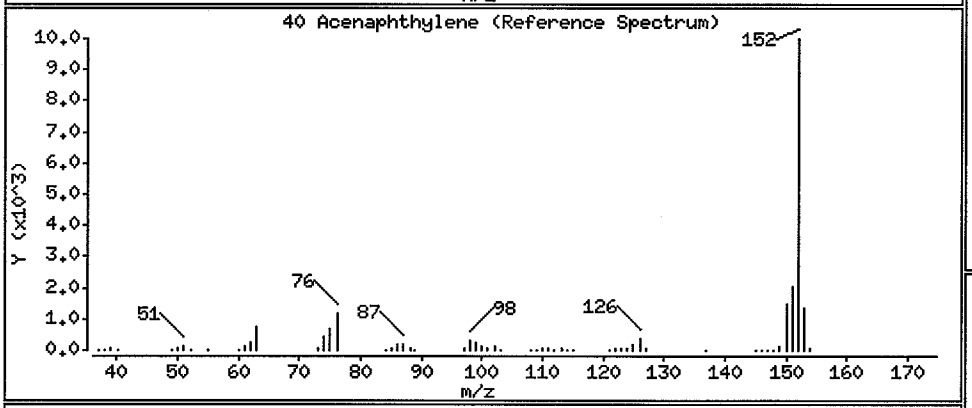
Volume Injected (uL): 1.0 Operator: LJR/VTS

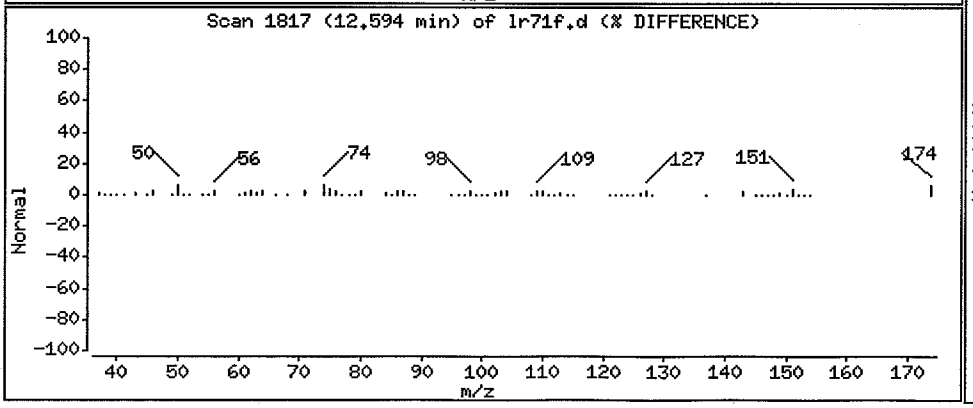
Column phase: ZB-5 Column diameter: 0.32

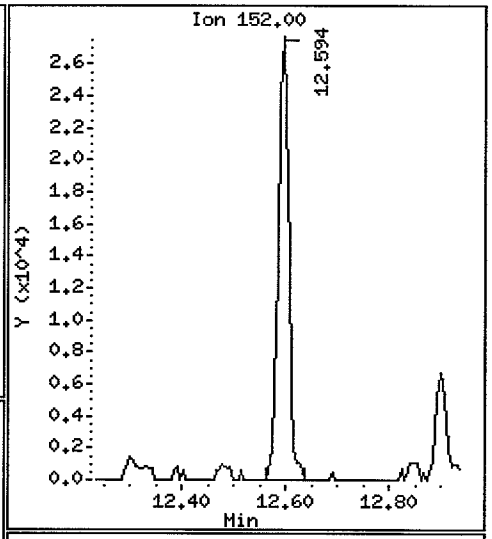
40 Acenaphthylene Concentration: 20.95 ug/kg

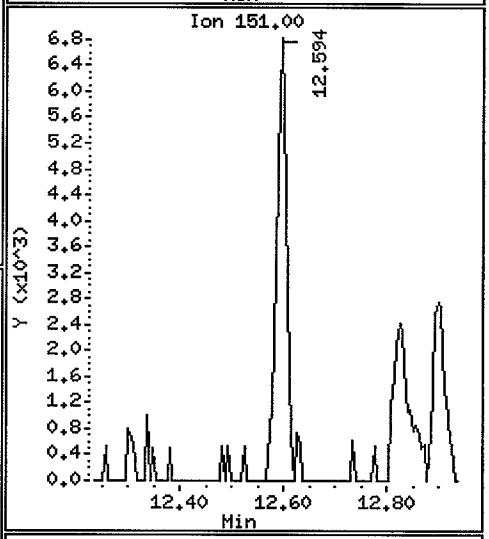


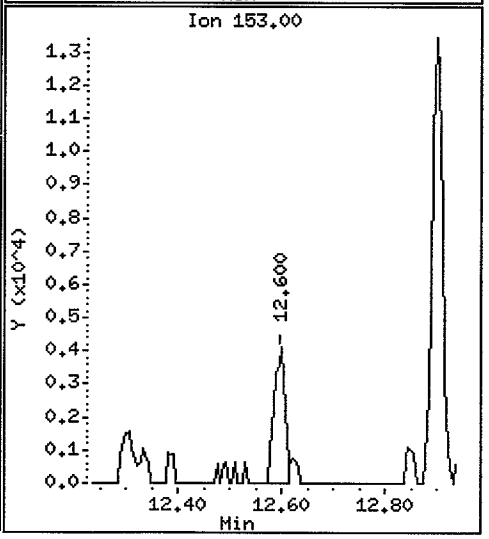












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

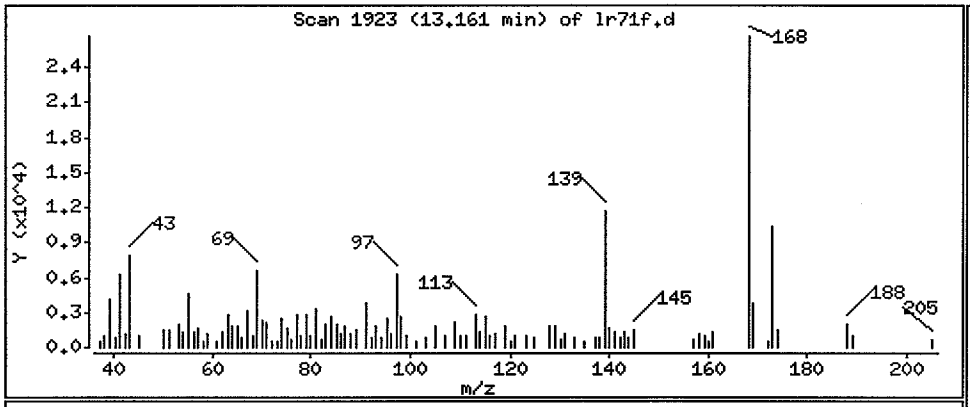
Client ID: AN-SS-11-070928 Instrument: nt6.i

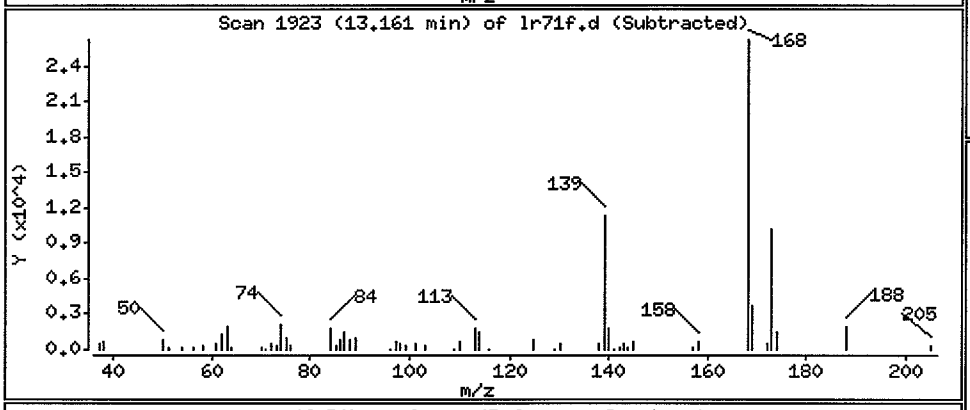
Sample Info: LR71F

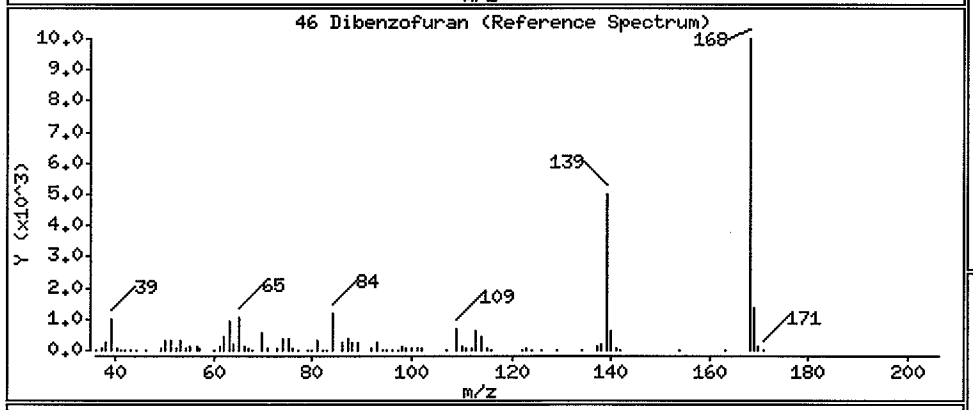
Volume Injected (uL): 1.0 Operator: LJR/VTS

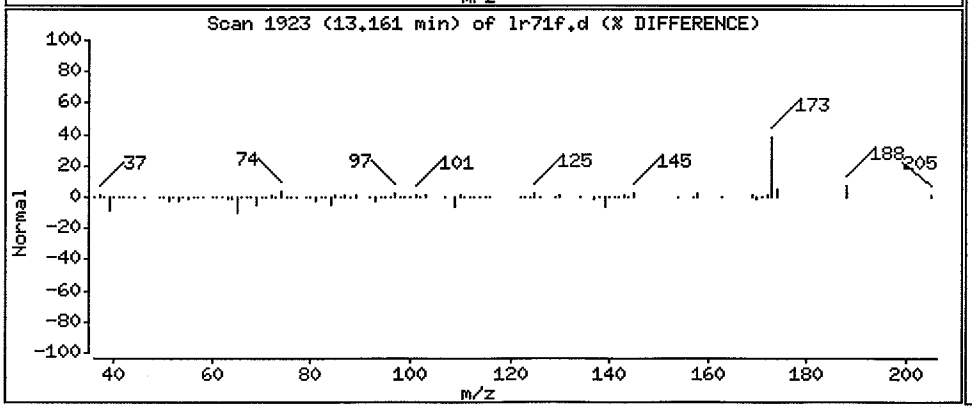
Column phase: ZB-5 Column diameter: 0.32

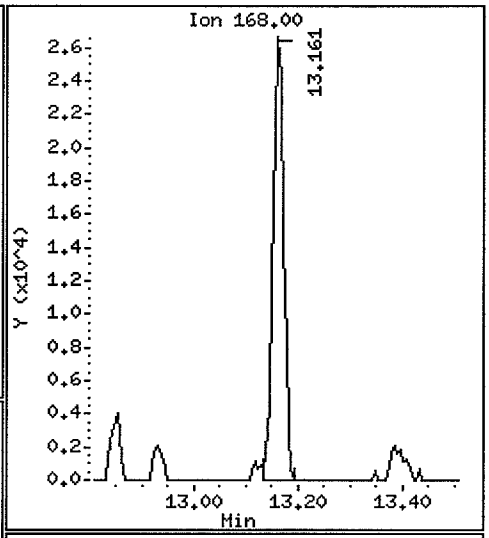
46 Dibenzofuran Concentration: 22.98 ug/kg

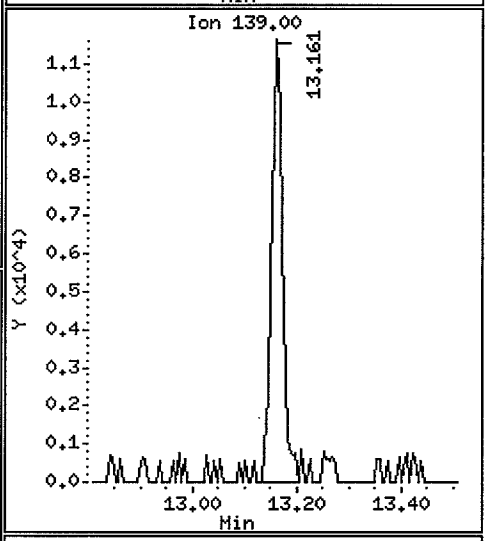


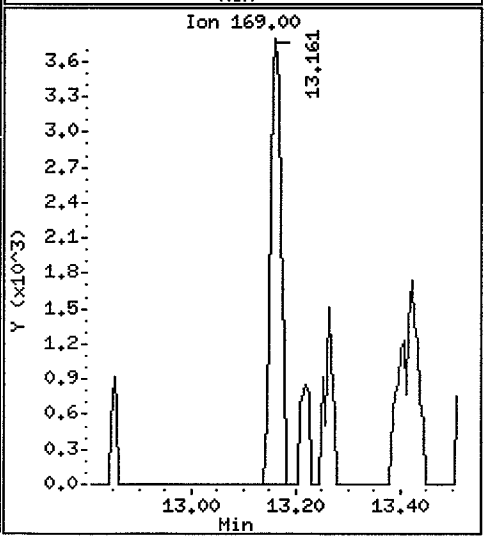












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

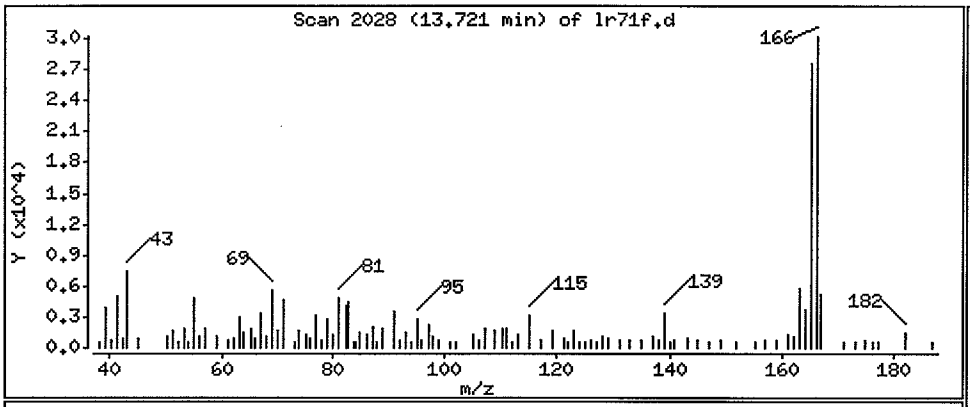
Client ID: AN-SS-11-070928 Instrument: nt6.i

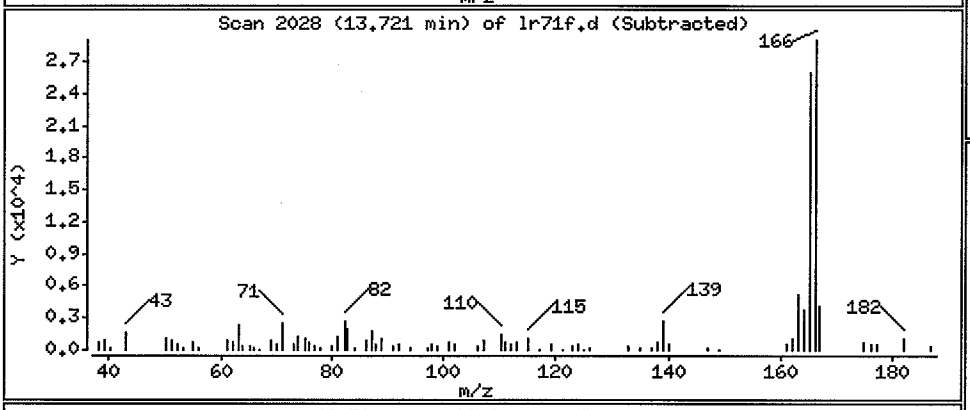
Sample Info: LR71F

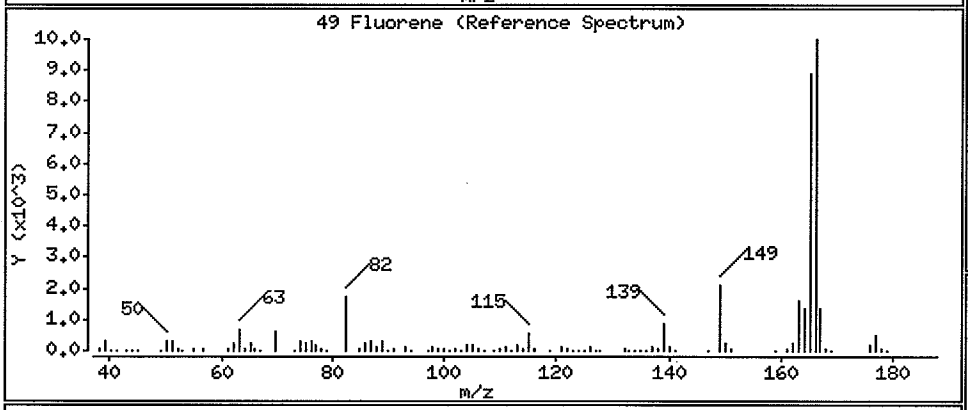
Volume Injected (uL): 1.0 Operator: LJR/VTS

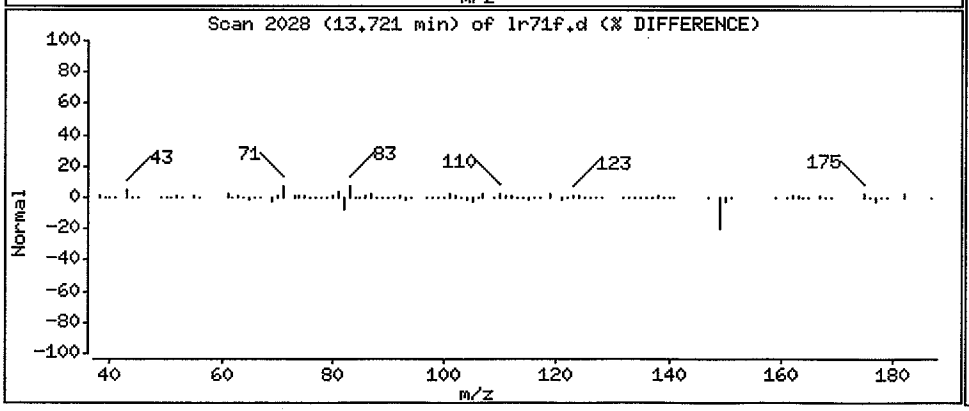
Column phase: ZB-5 Column diameter: 0.32

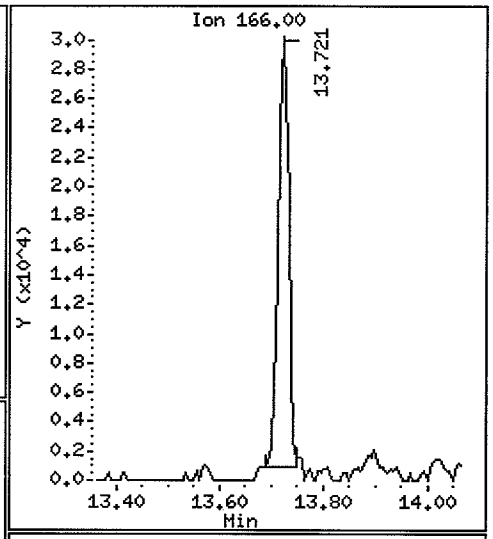
49 Fluorene Concentration: 31.34 ug/kg

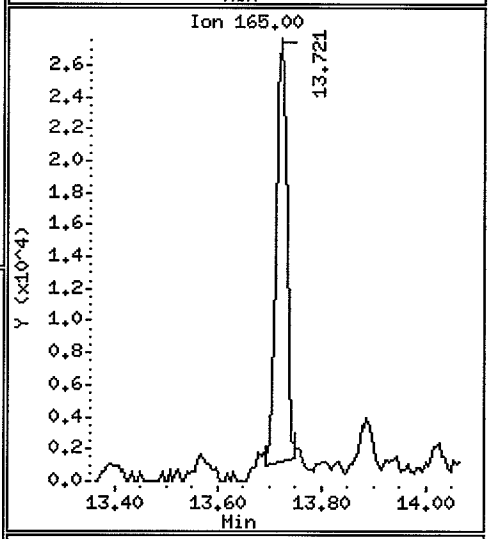


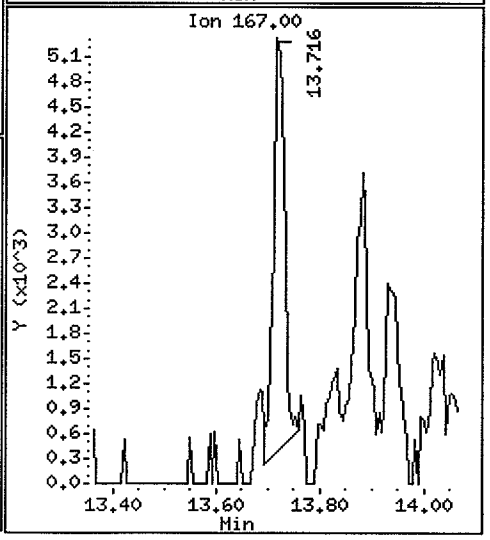












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F

Volume Injected (uL): 1.0

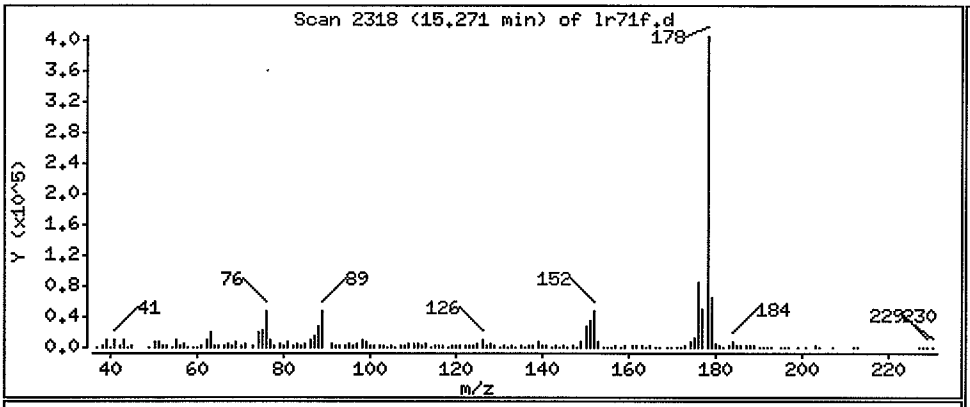
Operator: LJR/VTS

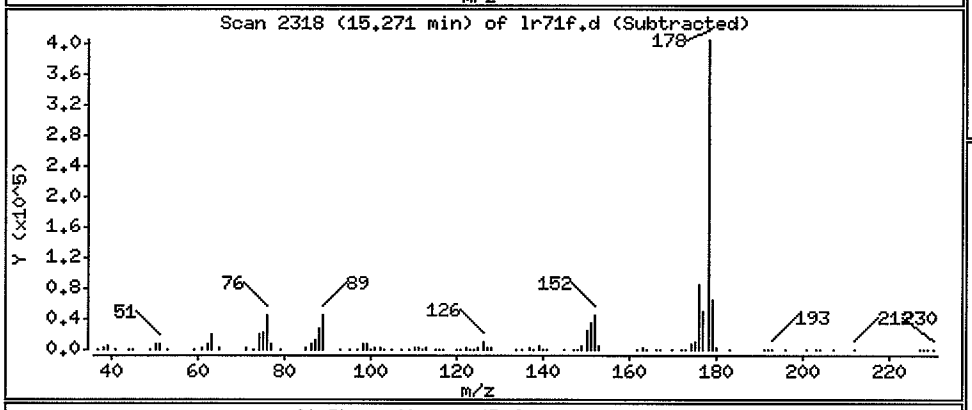
Column phase: ZB-5

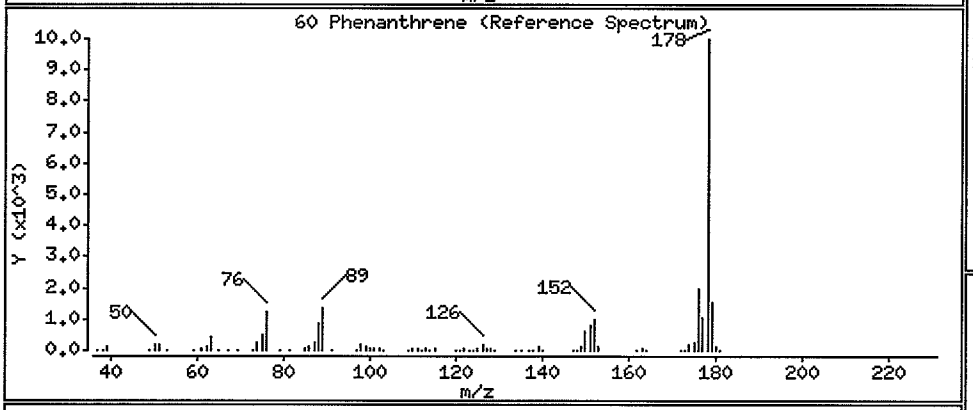
Column diameter: 0.32

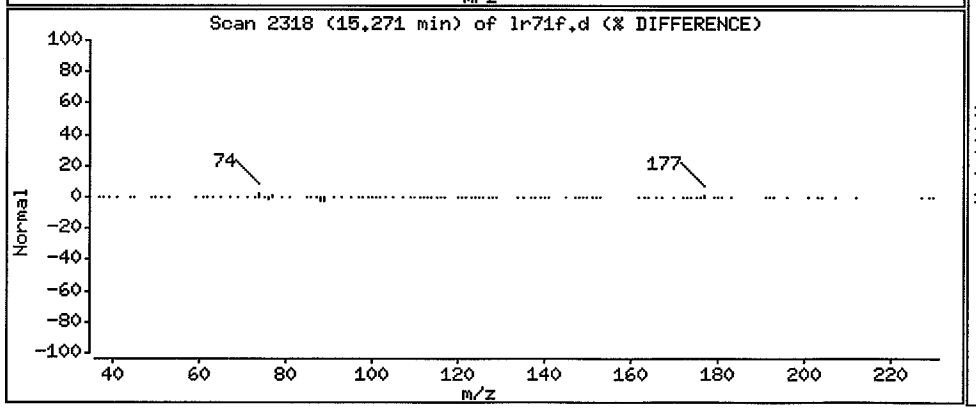
60 Phenanthrene

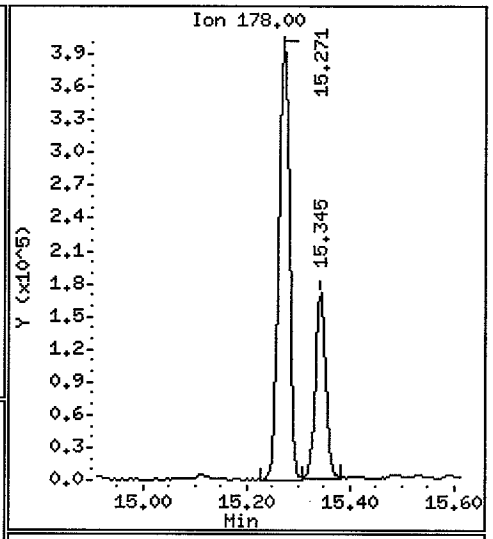
Concentration: 276.9 ug/kg

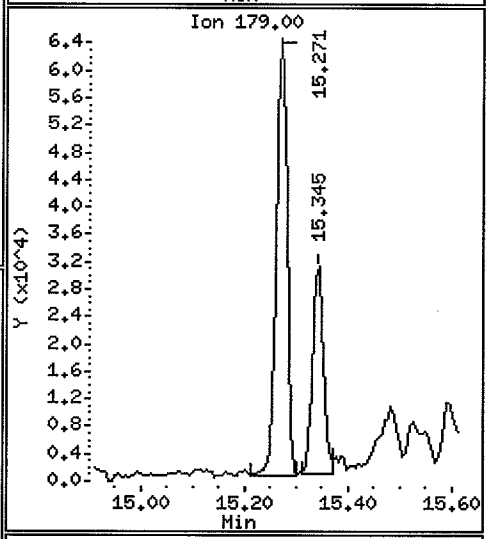


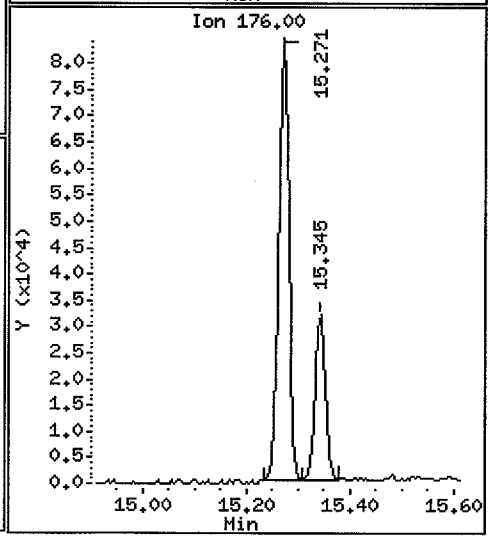












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

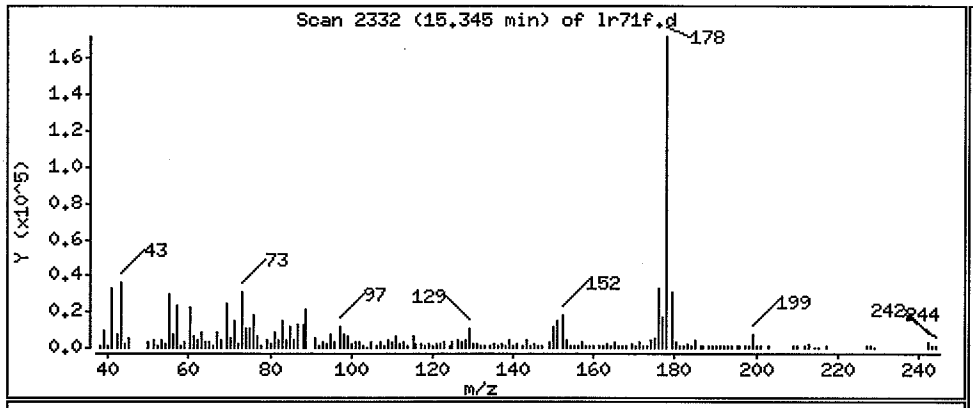
Client ID: AN-SS-11-070928 Instrument: nt6.i

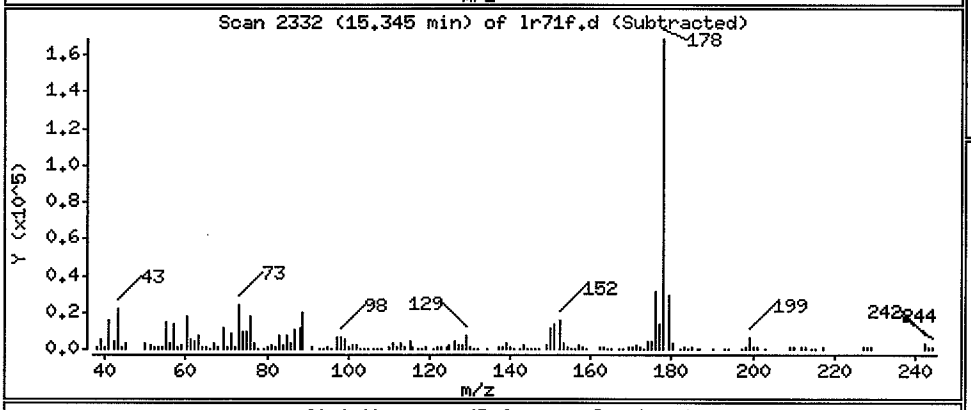
Sample Info: LR71F

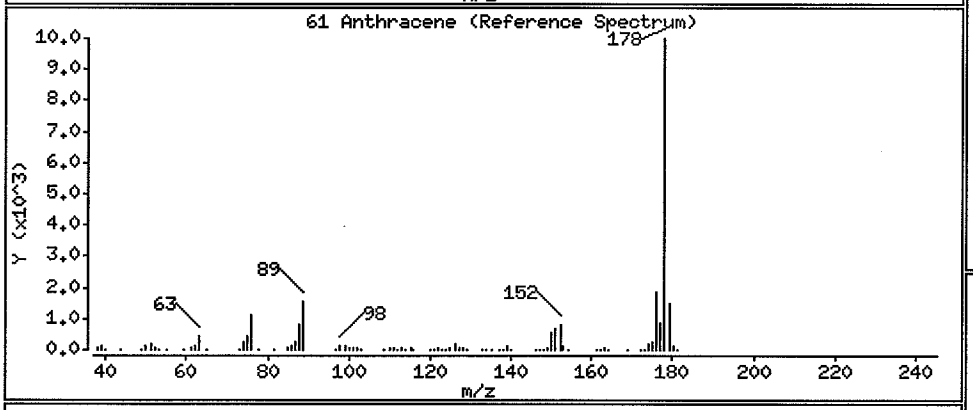
Volume Injected (uL): 1.0 Operator: LJR/VTS

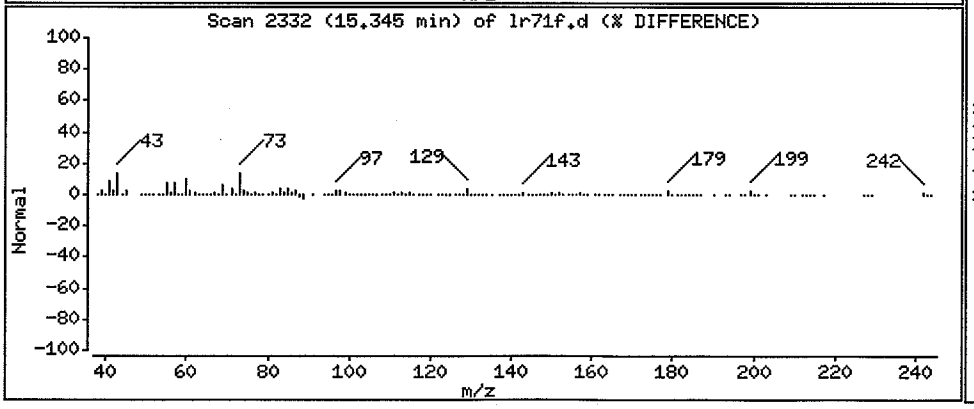
Column phase: ZB-5 Column diameter: 0.32

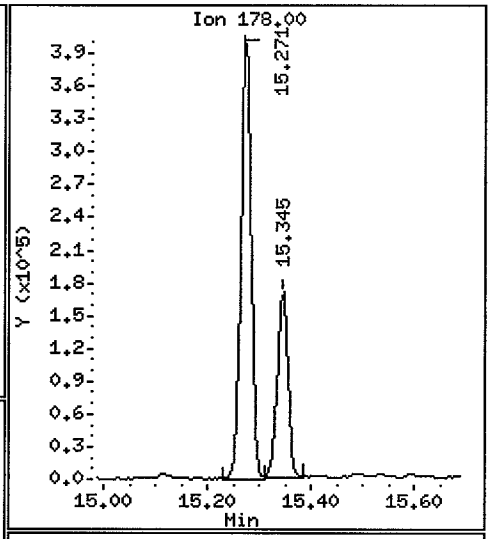
61 Anthracene Concentration: 114.0 ug/kg

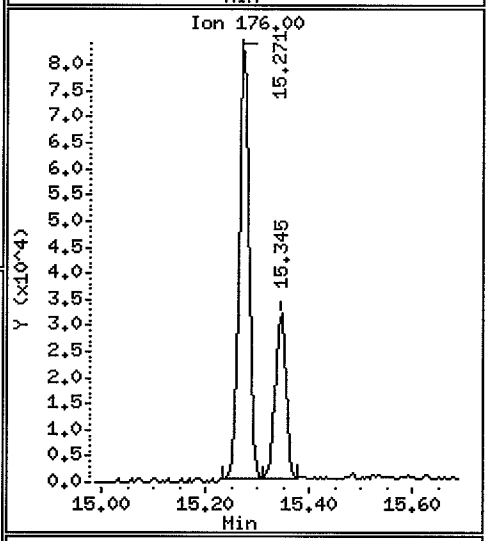


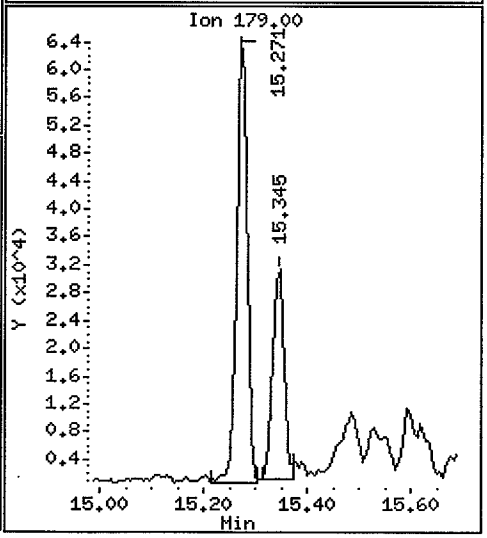












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F

Volume Injected (uL): 1.0

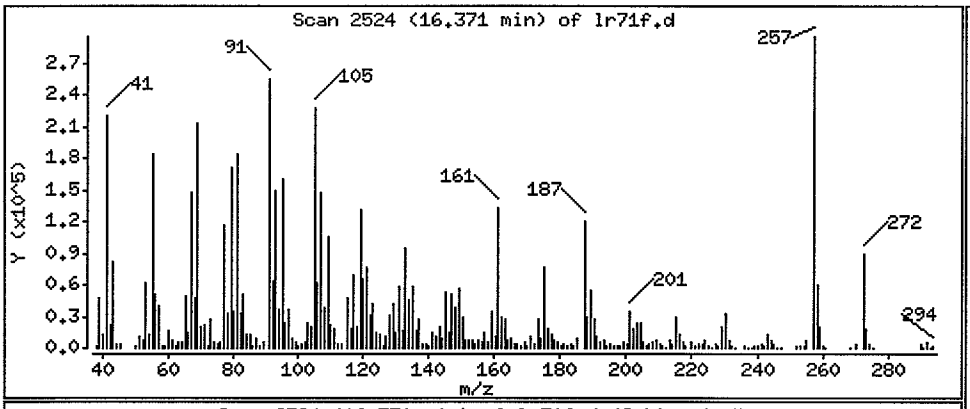
Operator: LJR/VTS

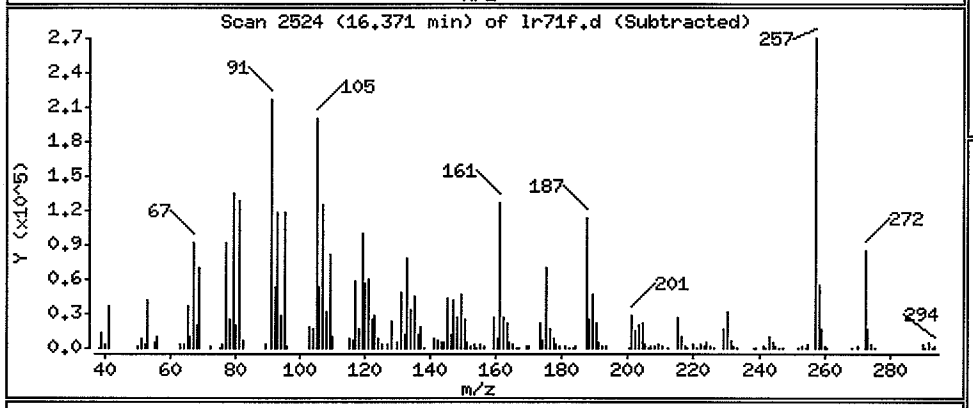
Column phase: ZB-5

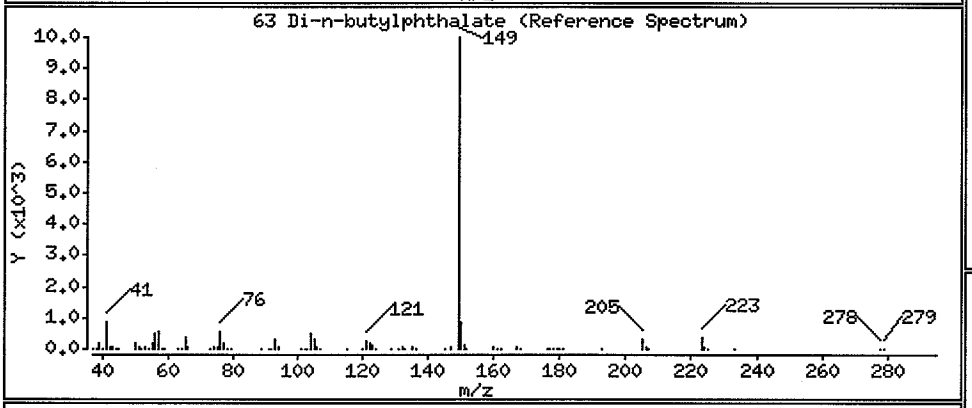
Column diameter: 0.32

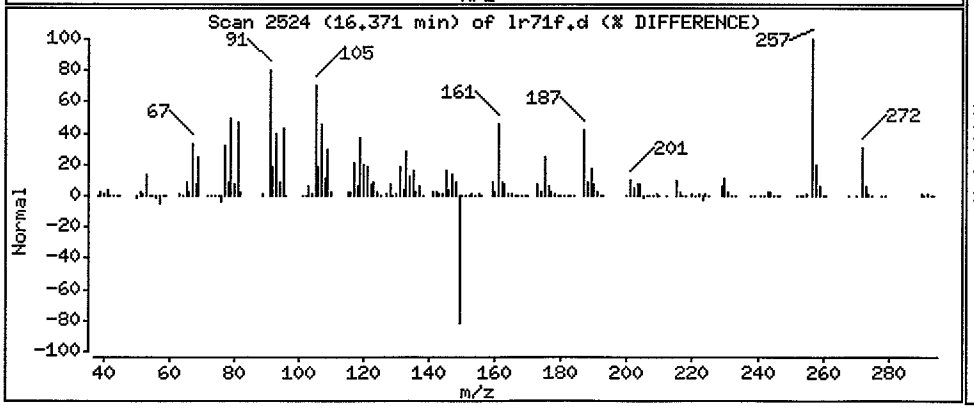
63 Di-n-butylphthalate

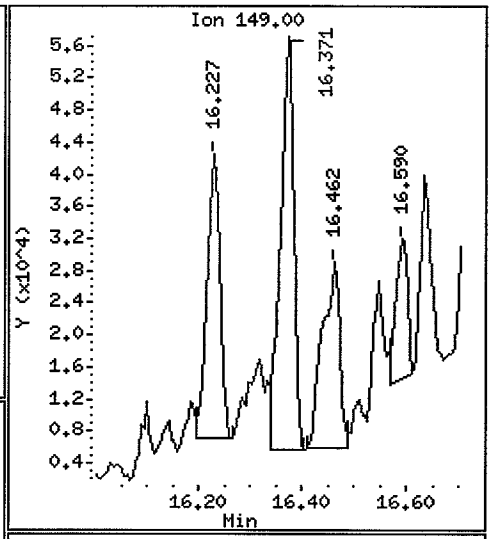
Concentration: 44.43 ug/kg

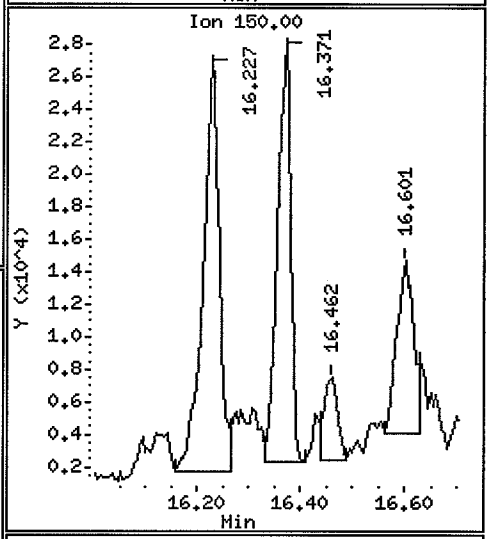


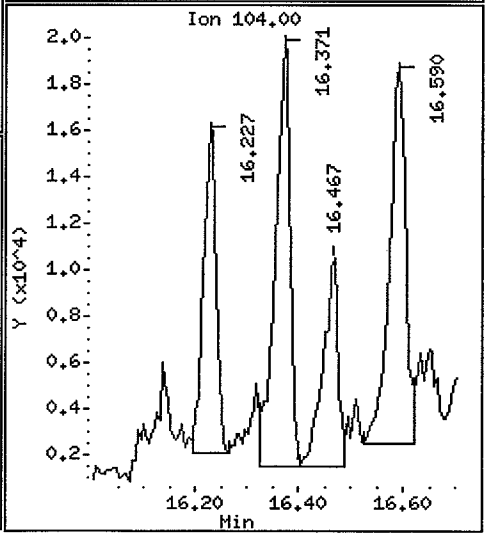












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

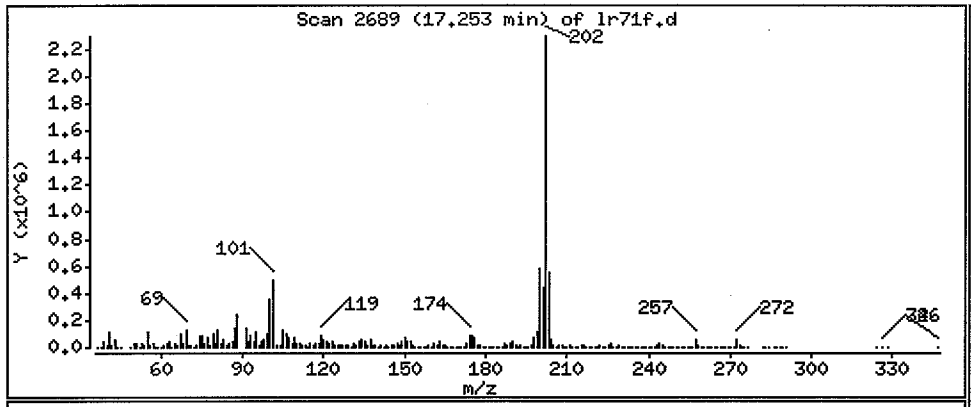
Client ID: AN-SS-11-070928 Instrument: nt6.i

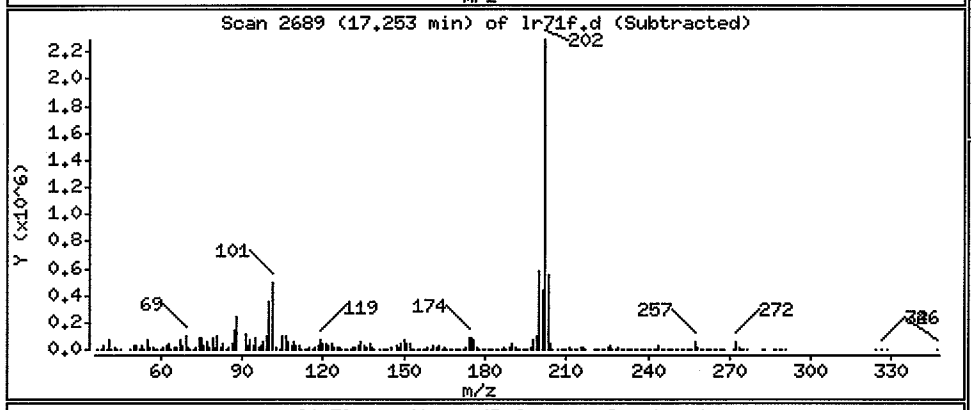
Sample Info: LR71F

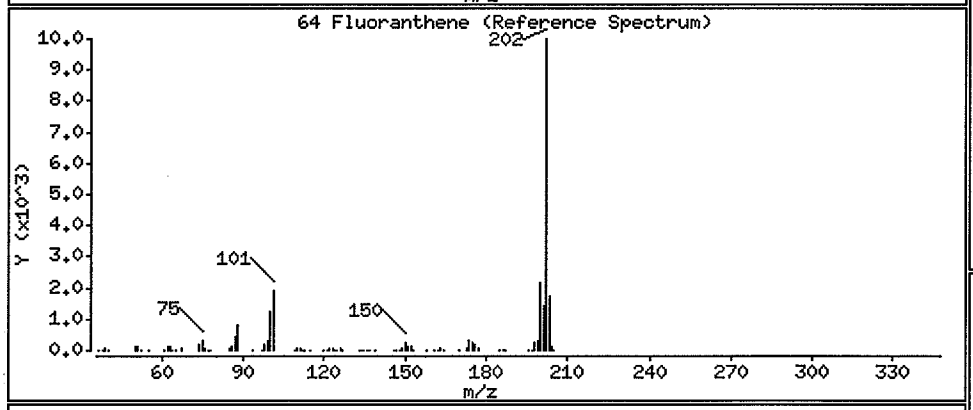
Volume Injected (uL): 1.0 Operator: LJR/VTS

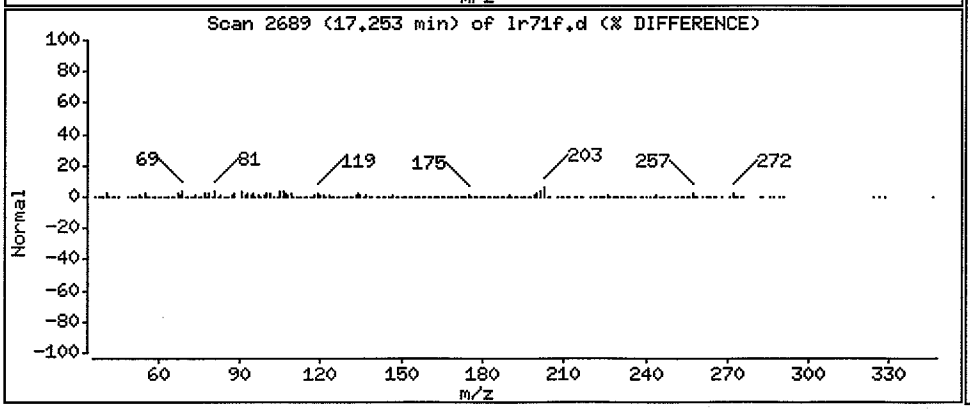
Column phase: ZB-5 Column diameter: 0.32

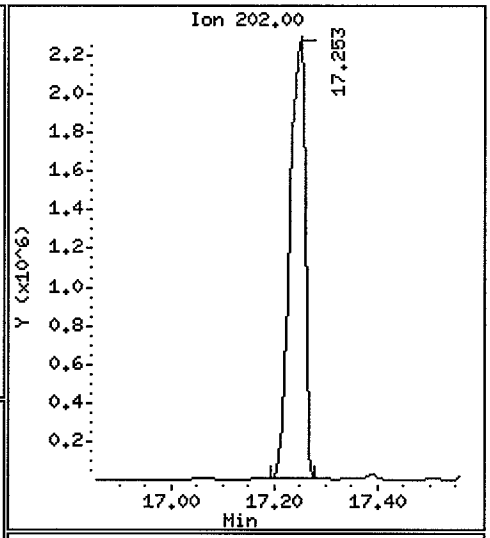
64 Fluoranthene Concentration: 1971 ug/kg

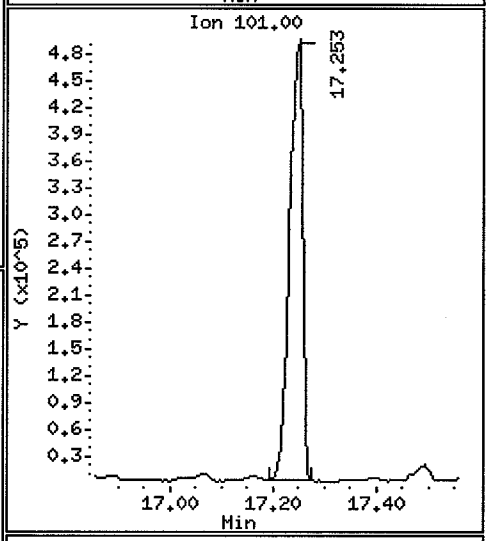


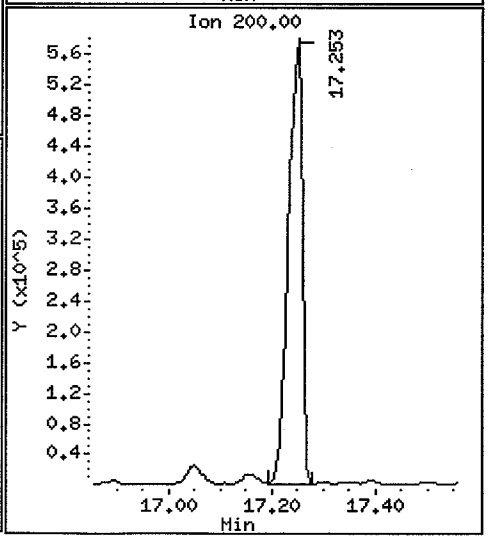












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

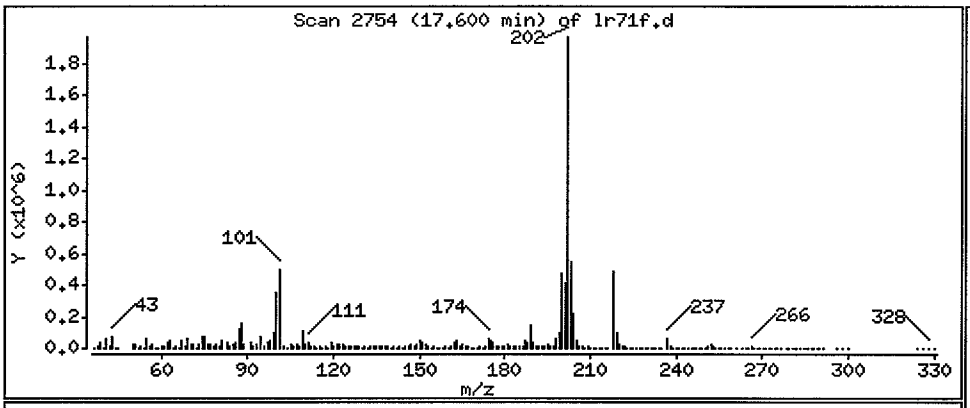
Client ID: AN-SS-11-070928 Instrument: nt6.i

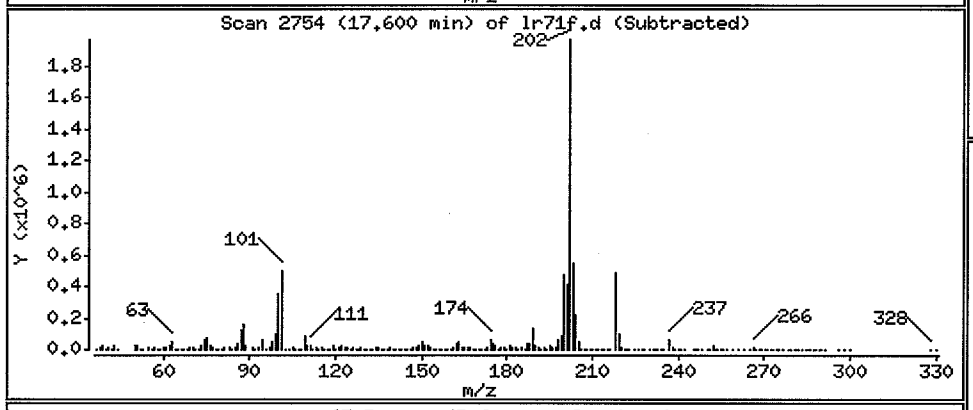
Sample Info: LR71F

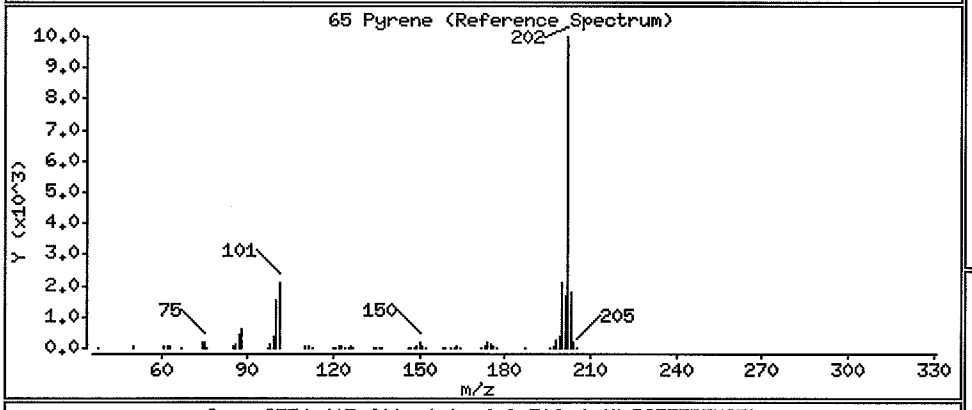
Volume Injected (uL): 1.0 Operator: LJR/VTS

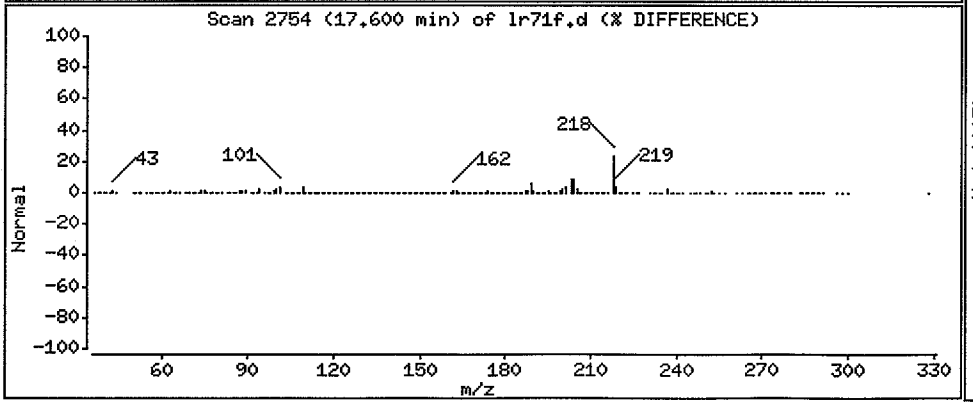
Column phase: ZB-5 Column diameter: 0.32

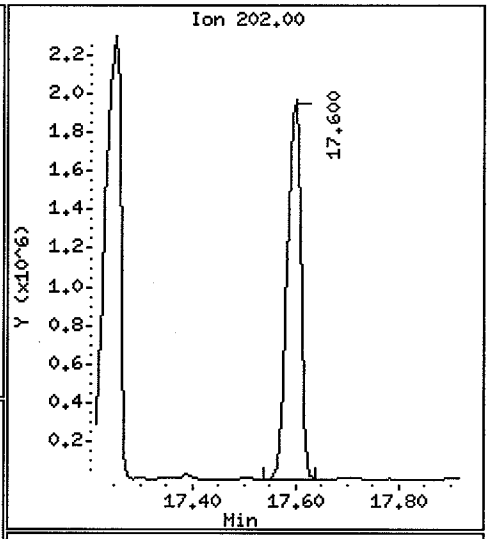
65 Pyrene Concentration: 1190 ug/kg

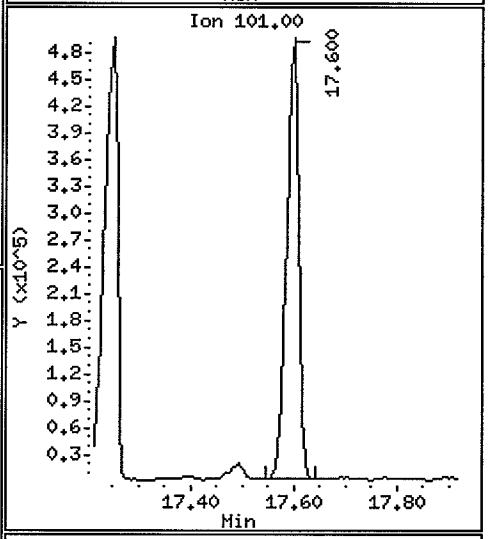


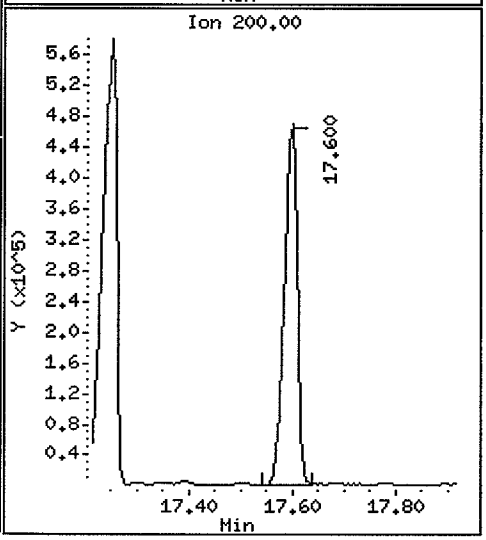












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

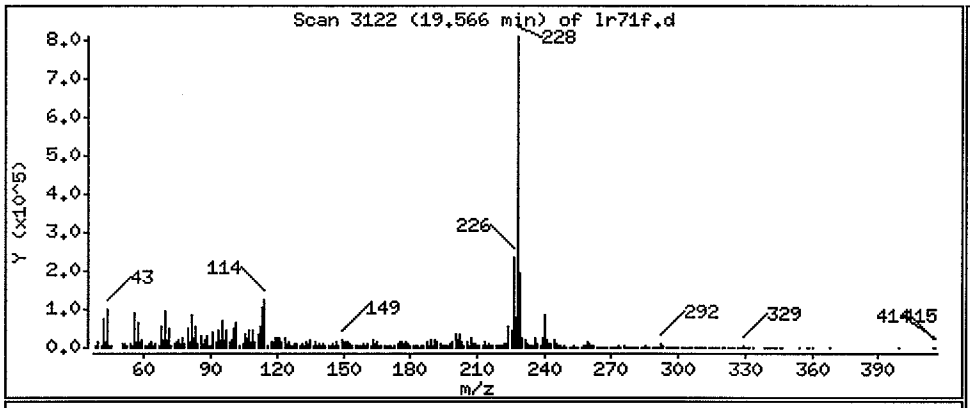
Client ID: AN-SS-11-070928 Instrument: nt6.i

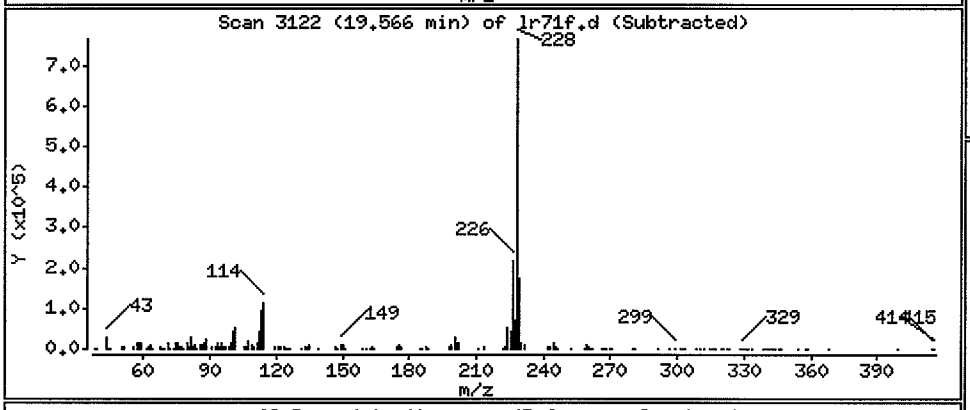
Sample Info: LR71F

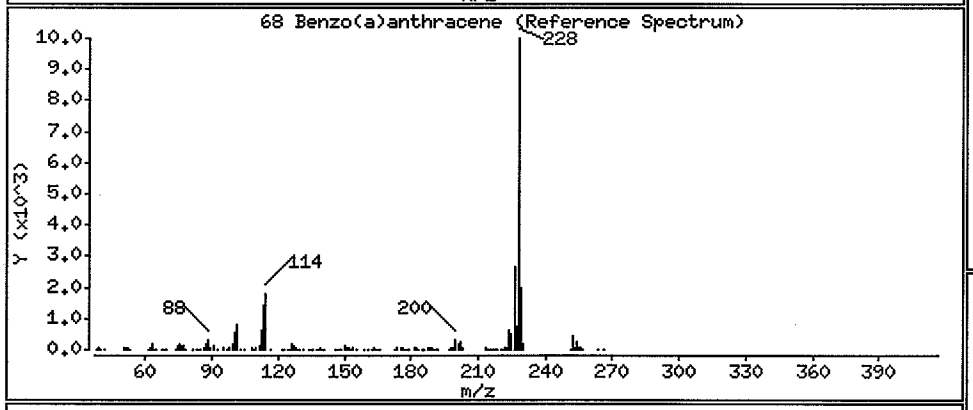
Volume Injected (uL): 1.0 Operator: LJR/VTS

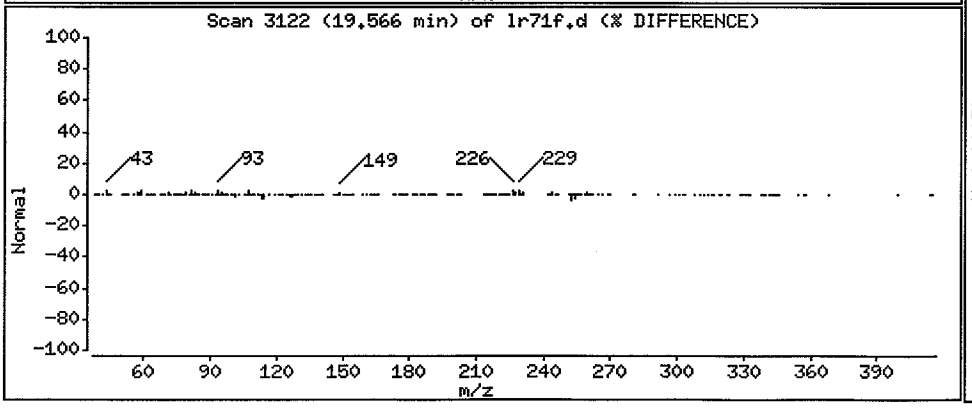
Column phase: ZB-5 Column diameter: 0.32

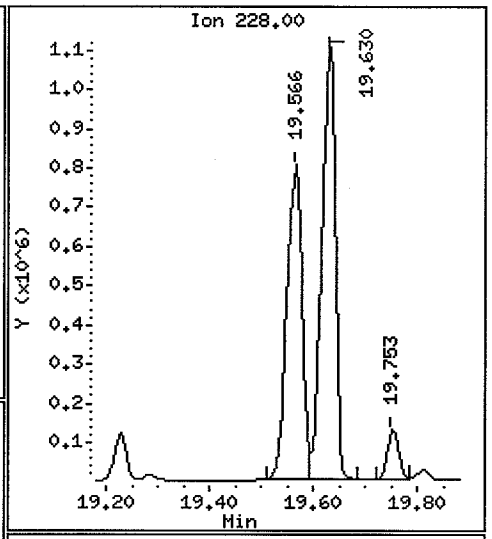
68 Benzo(a)anthracene Concentration: 487.7 ug/kg

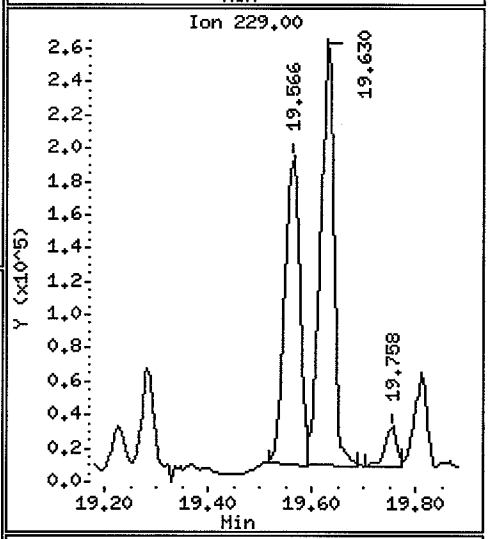


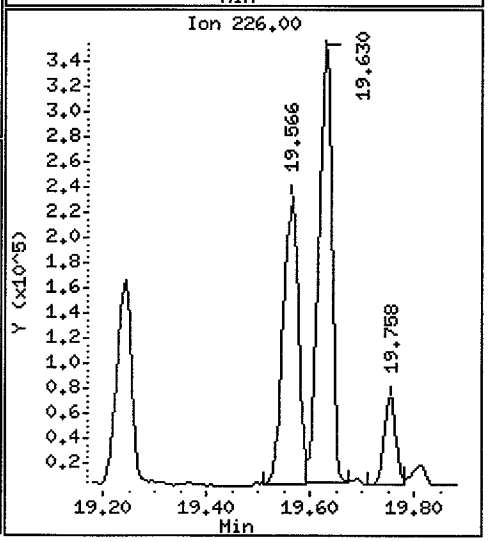












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F

Volume Injected (uL): 1.0

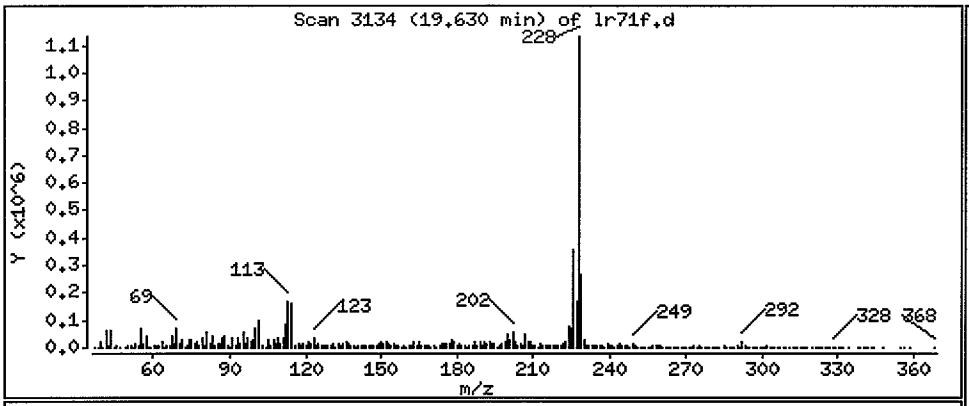
Operator: LJR/VTS

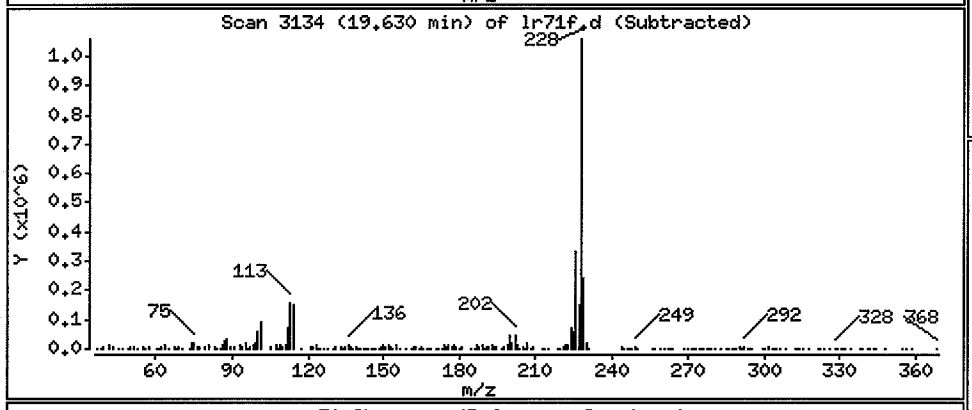
Column phase: ZB-5

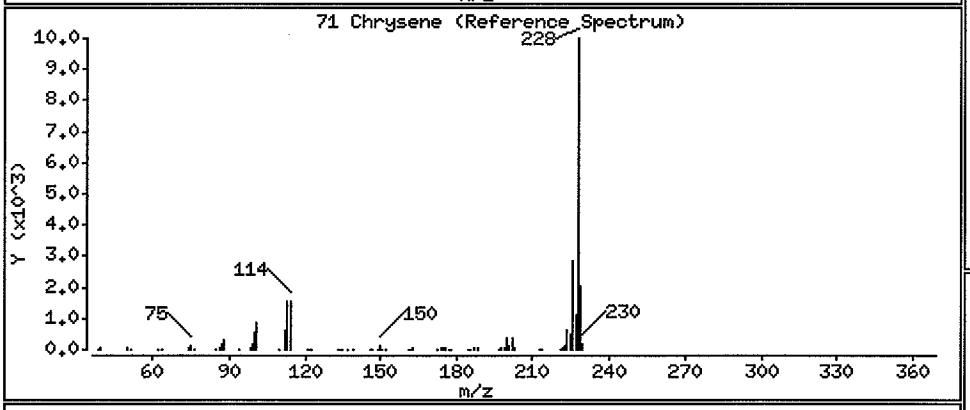
Column diameter: 0.32

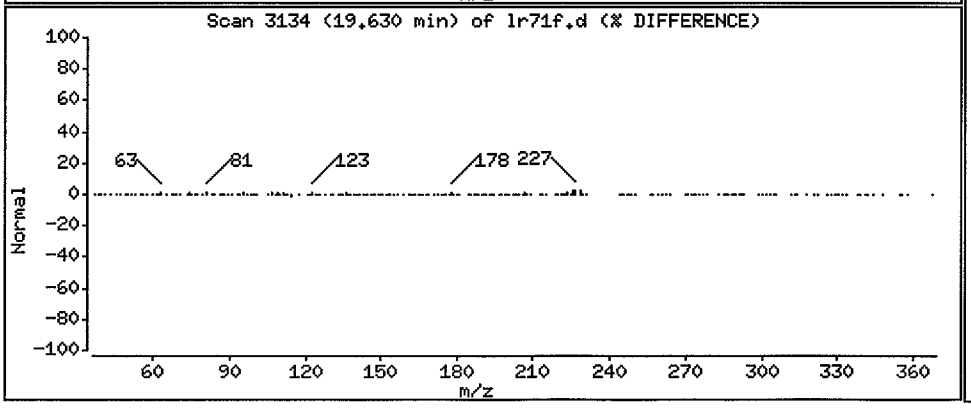
71 Chrysene

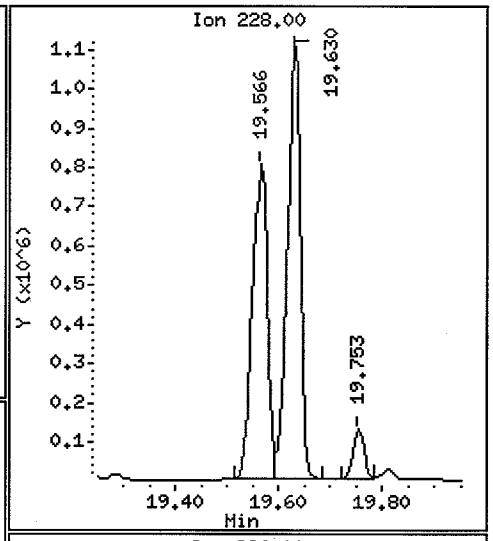
Concentration: 649.2 ug/kg

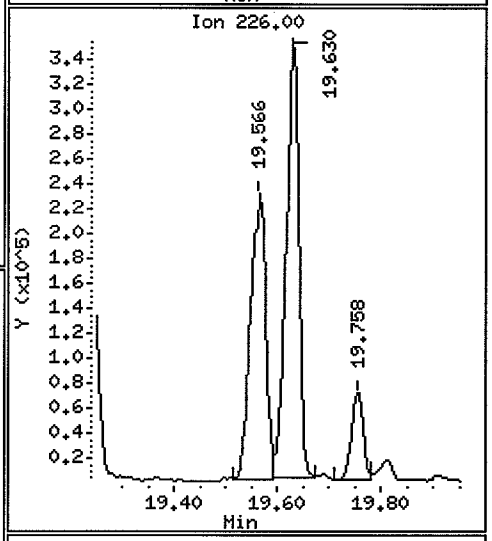


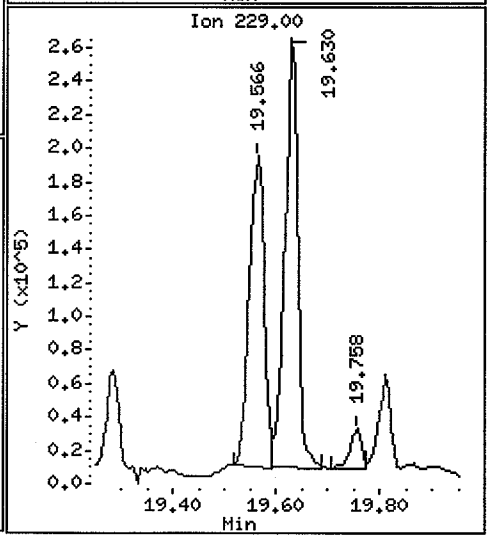












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

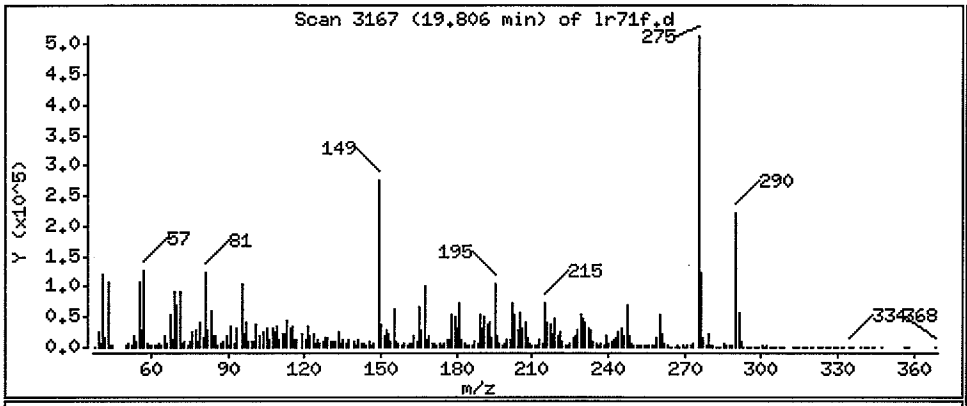
Client ID: AN-SS-11-070928 Instrument: nt6.i

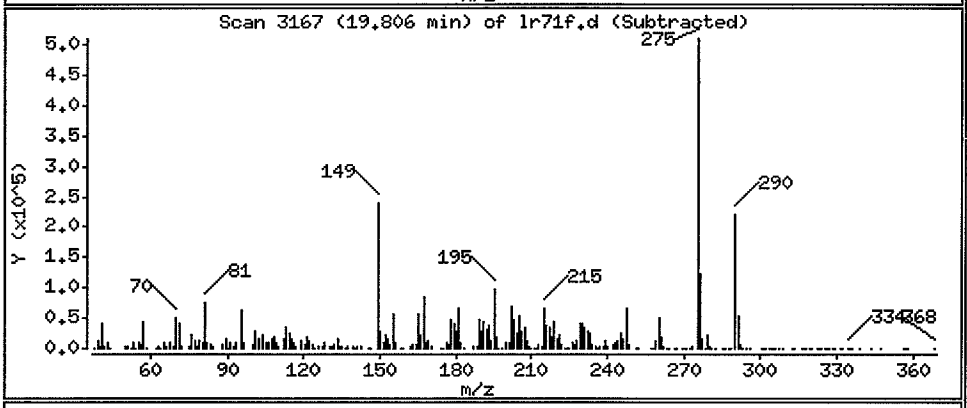
Sample Info: LR71F

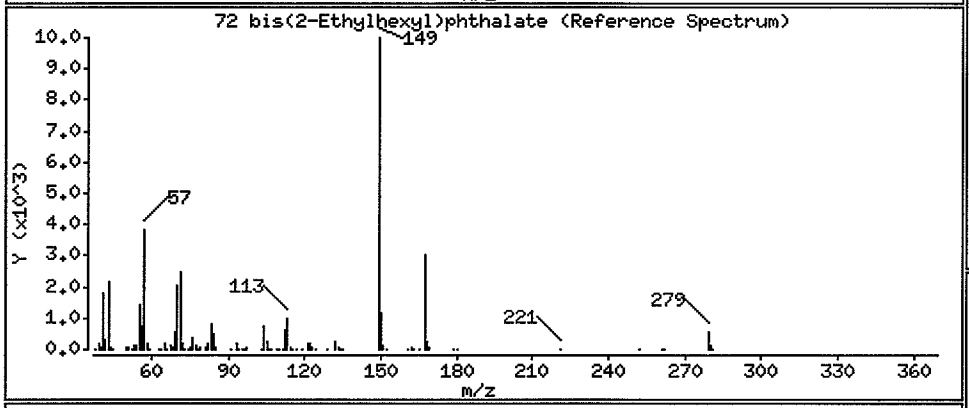
Volume Injected (uL): 1.0 Operator: LJR/VTS

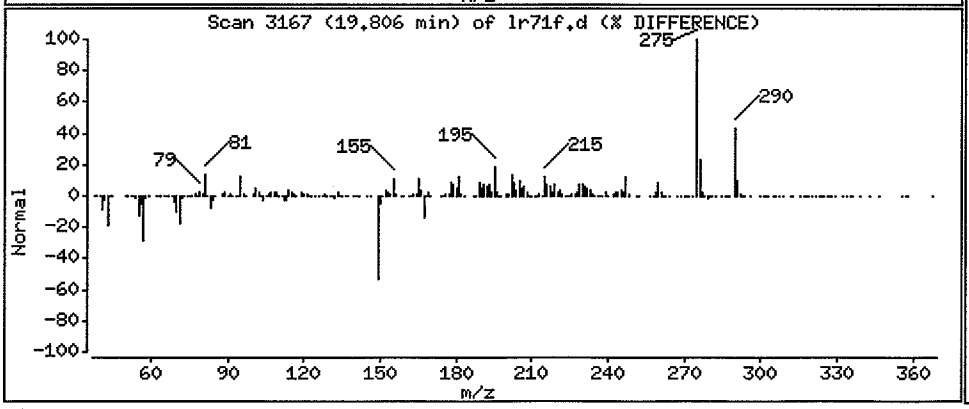
Column phase: ZB-5 Column diameter: 0.32

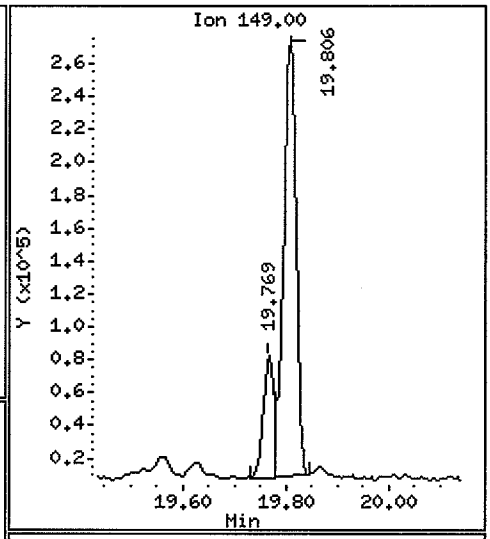
72 bis(2-Ethylhexyl)phthalate Concentration: 250.2 ug/kg

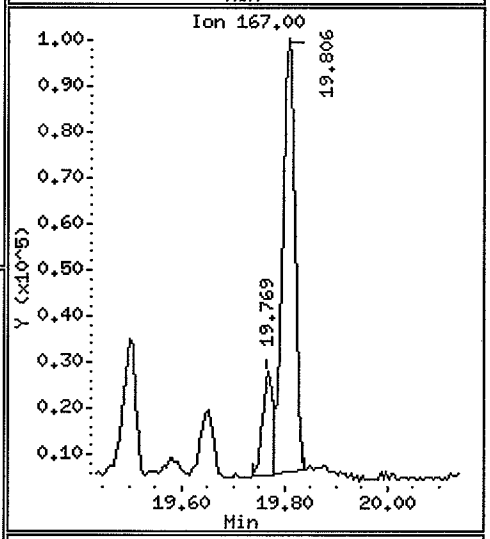


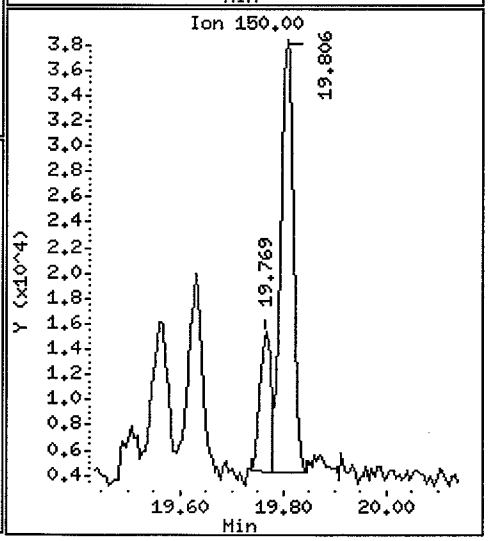












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

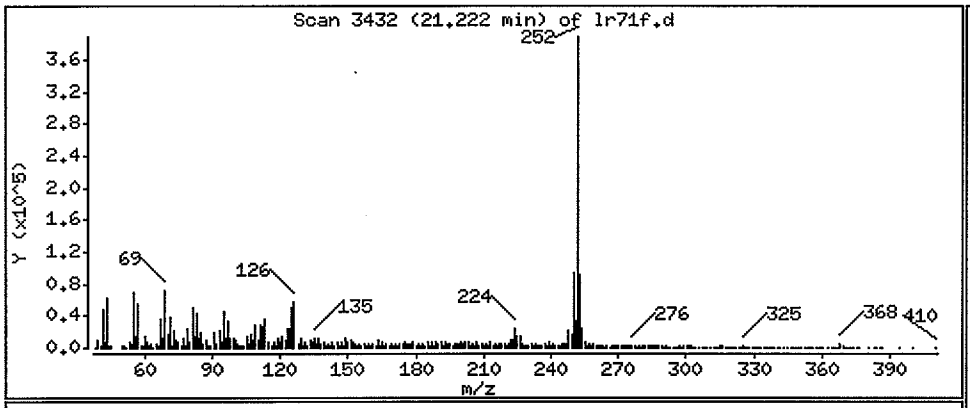
Client ID: AN-SS-11-070928 Instrument: nt6.i

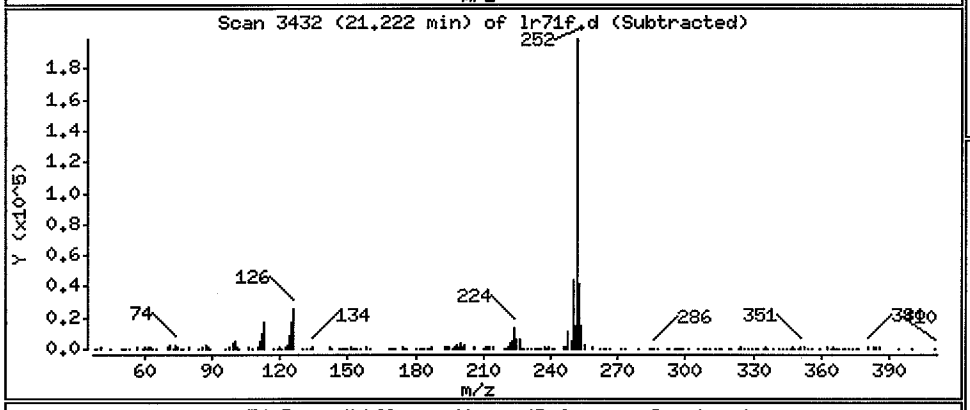
Sample Info: LR71F

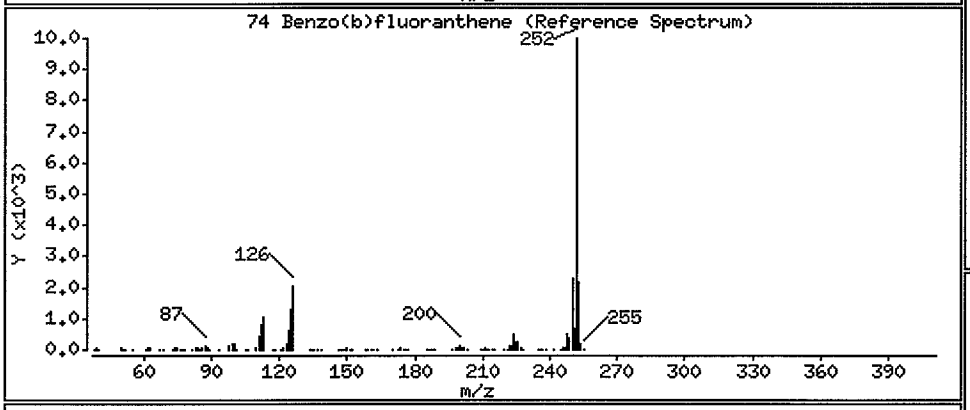
Volume Injected (uL): 1.0 Operator: LJR/VTS

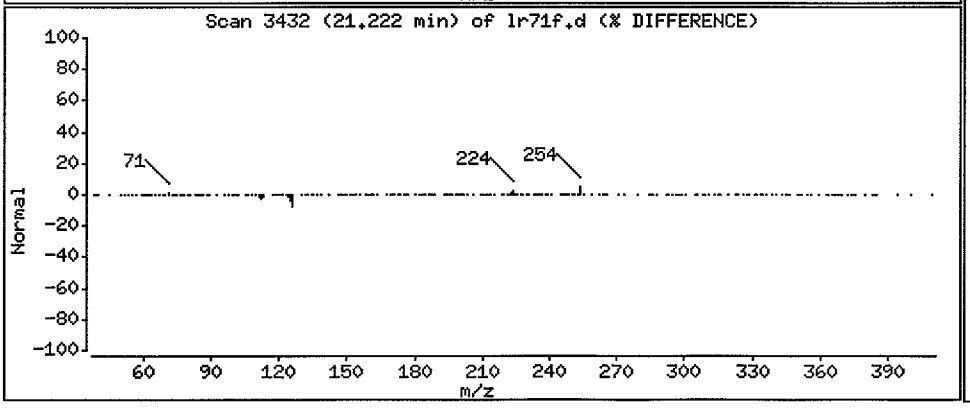
Column phase: ZB-5 Column diameter: 0.32

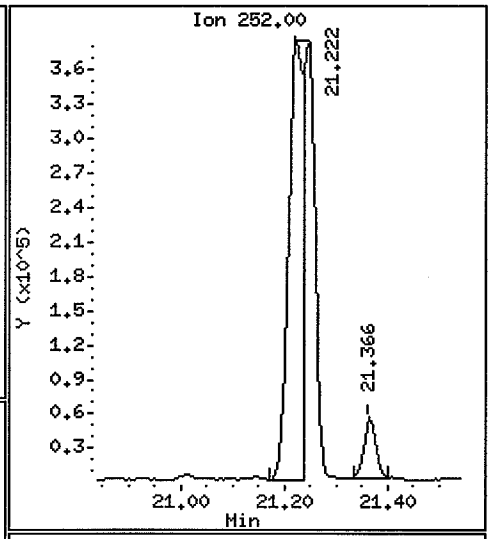
74 Benzo(b)fluoranthene Concentration: 367.3 ug/kg

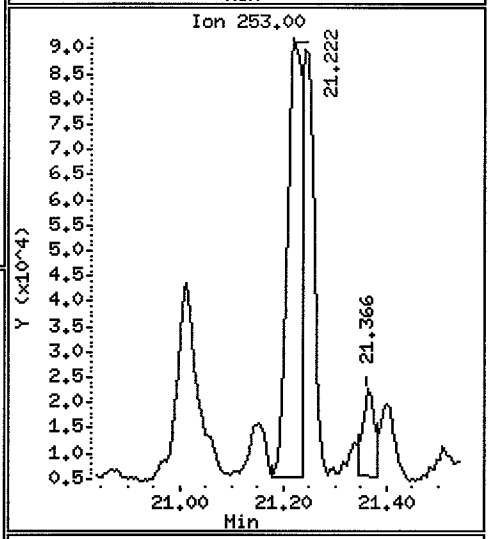


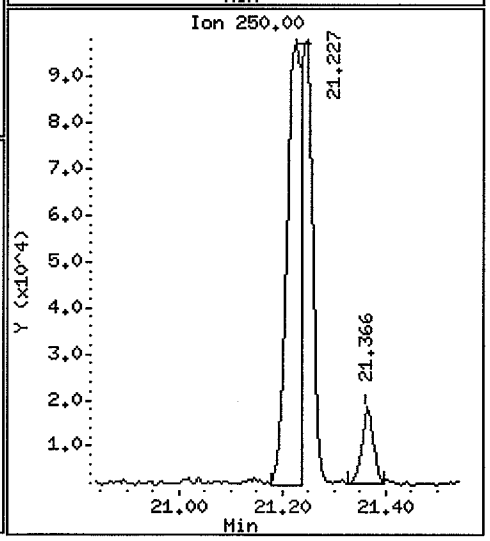












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

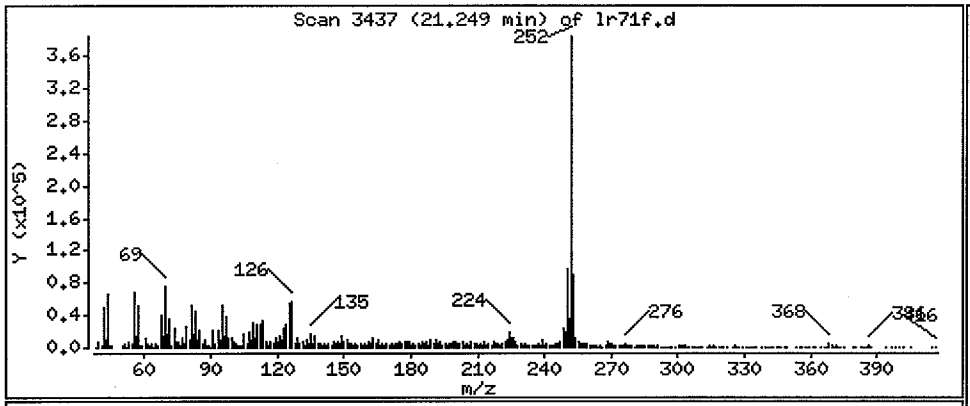
Client ID: AN-SS-11-070928 Instrument: nt6.i

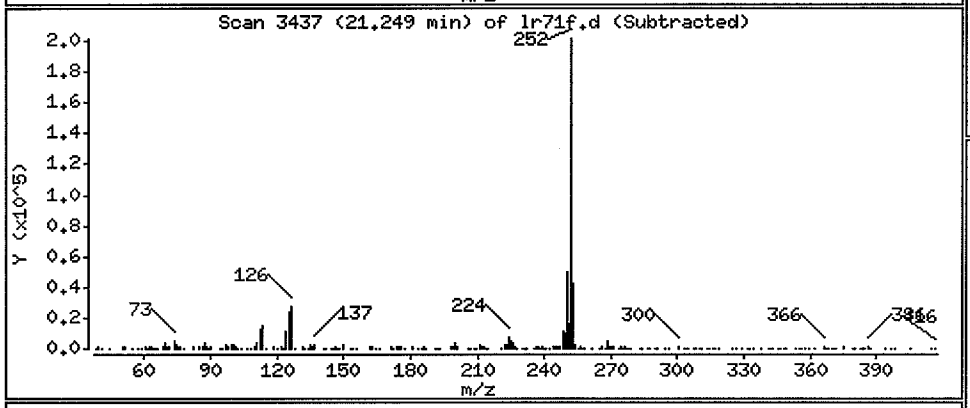
Sample Info: LR71F

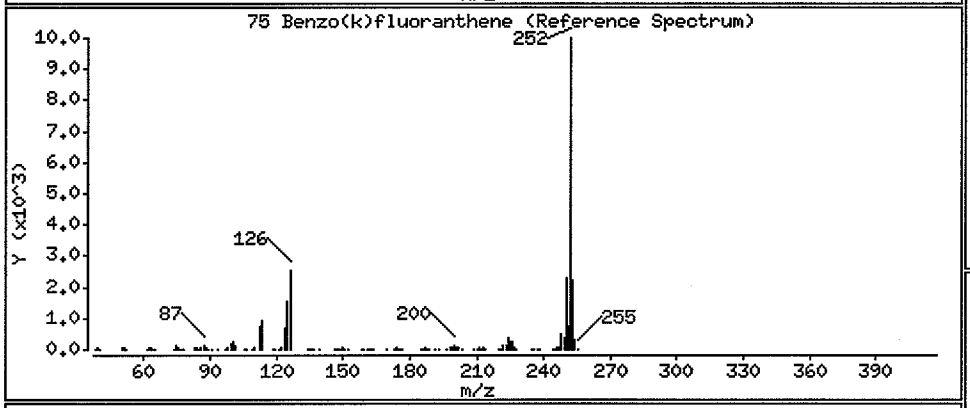
Volume Injected (uL): 1.0 Operator: LJR/VTS

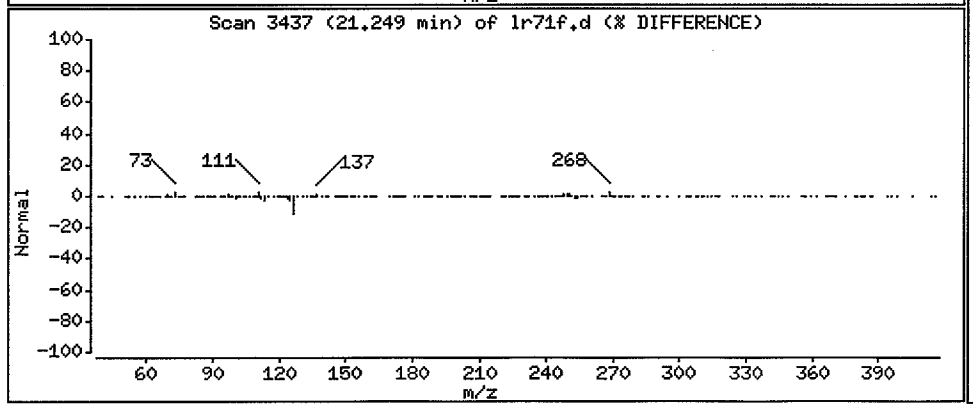
Column phase: ZB-5 Column diameter: 0.32

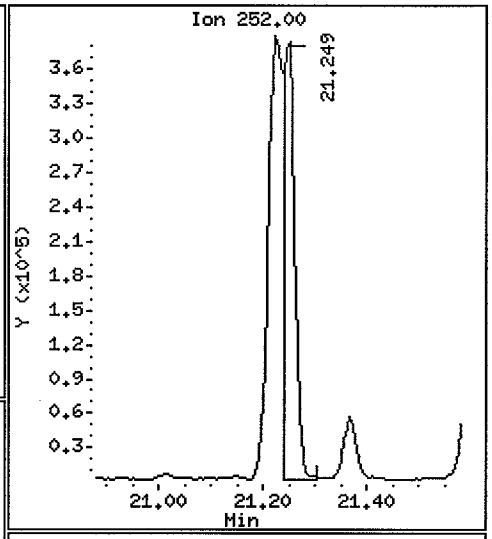
75 Benzo(k)fluoranthene Concentration: 263.6 ug/kg

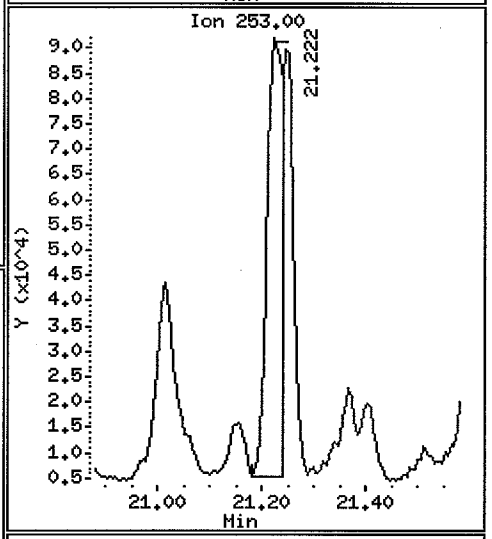


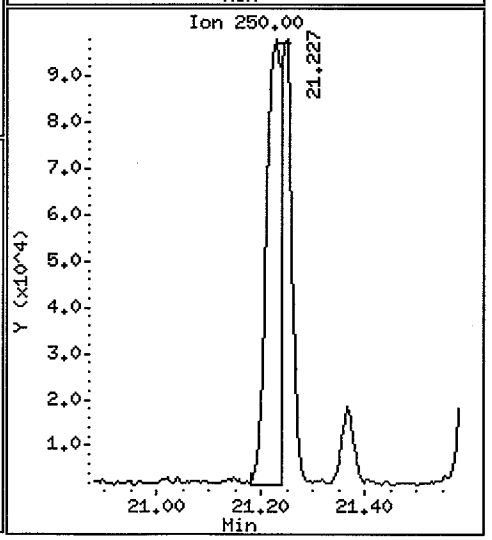












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F

Volume Injected (uL): 1.0

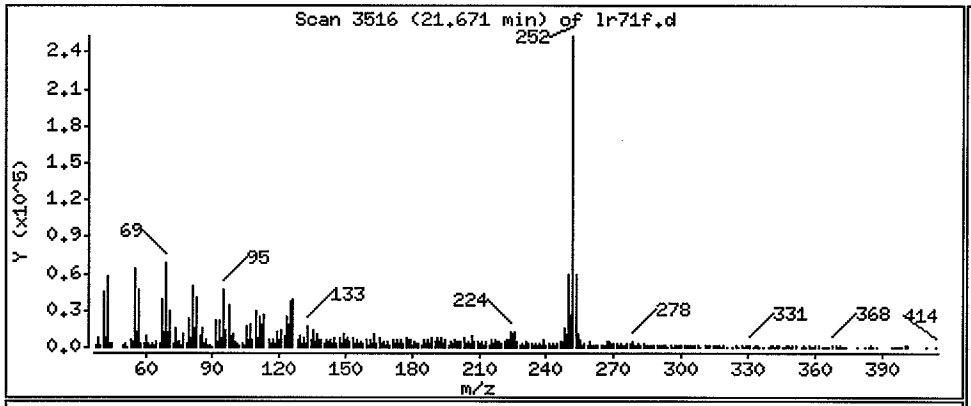
Operator: LJR/VTS

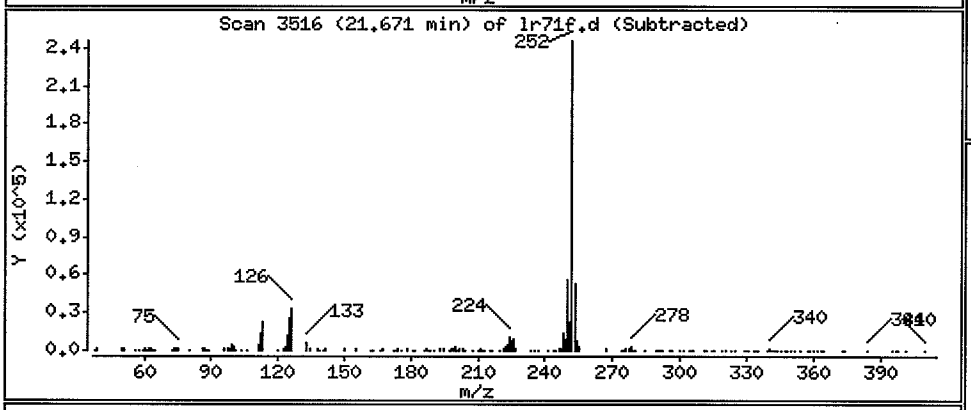
Column phase: ZB-5

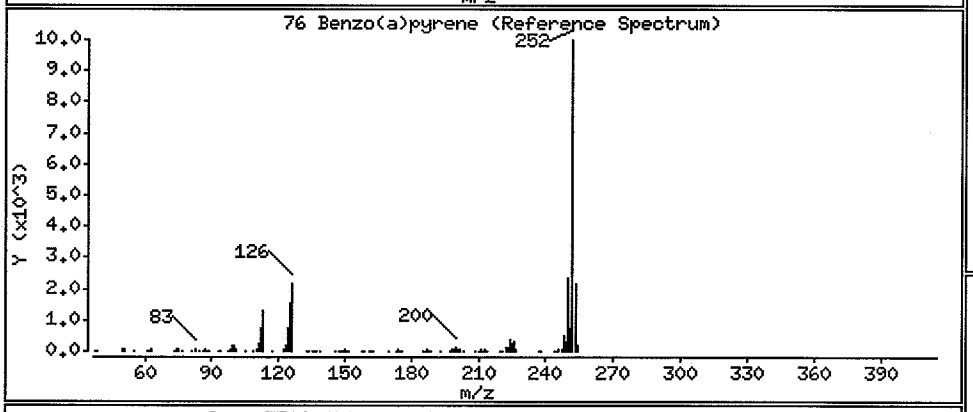
Column diameter: 0.32

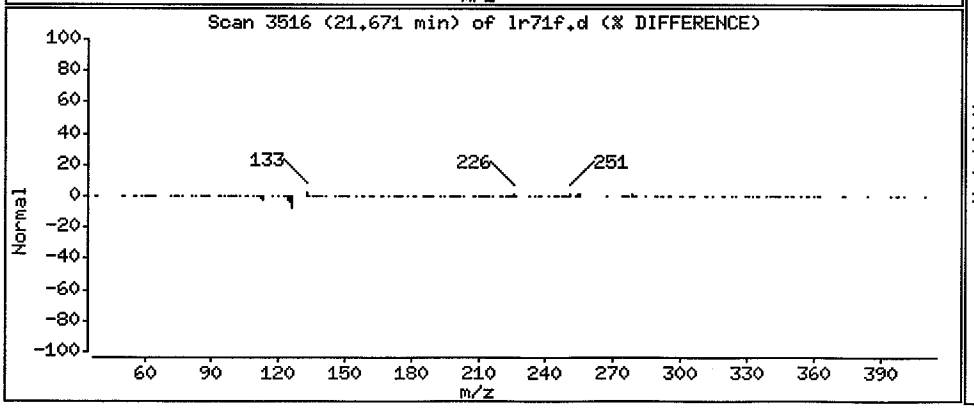
76 Benzo(a)pyrene

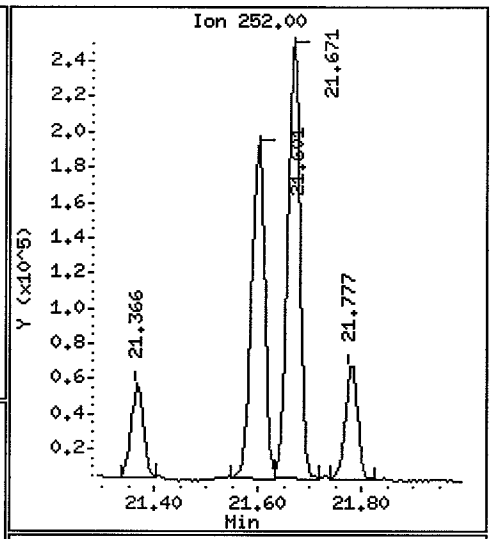
Concentration: 217.7 ug/kg

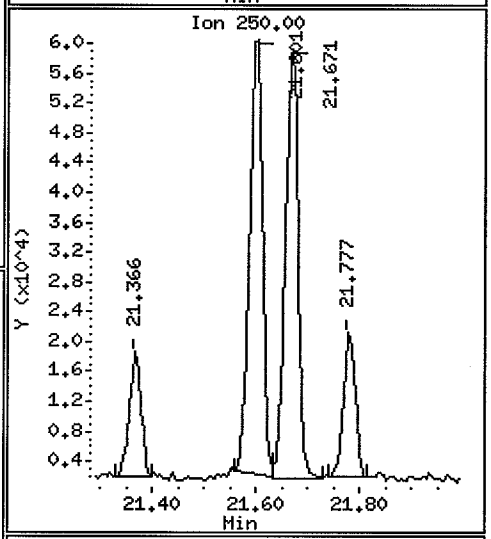


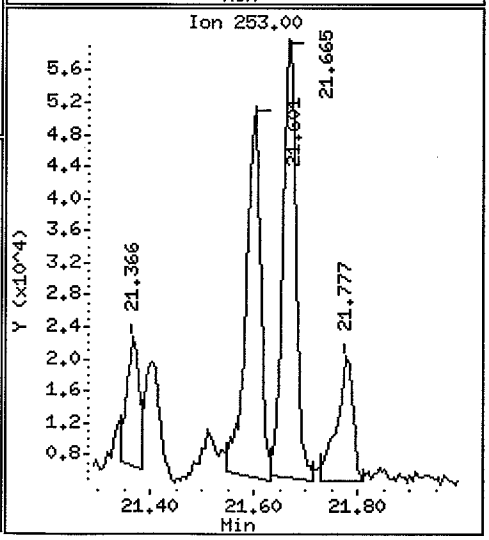












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

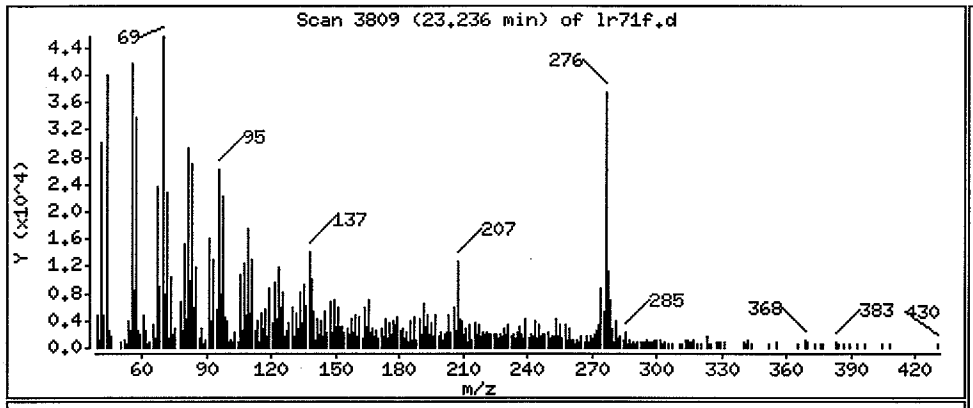
Client ID: AN-SS-11-070928 Instrument: nt6.i

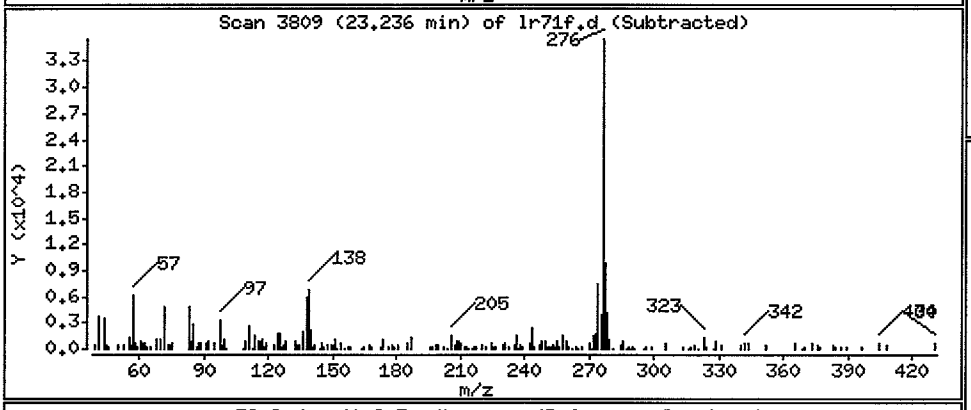
Sample Info: LR71F

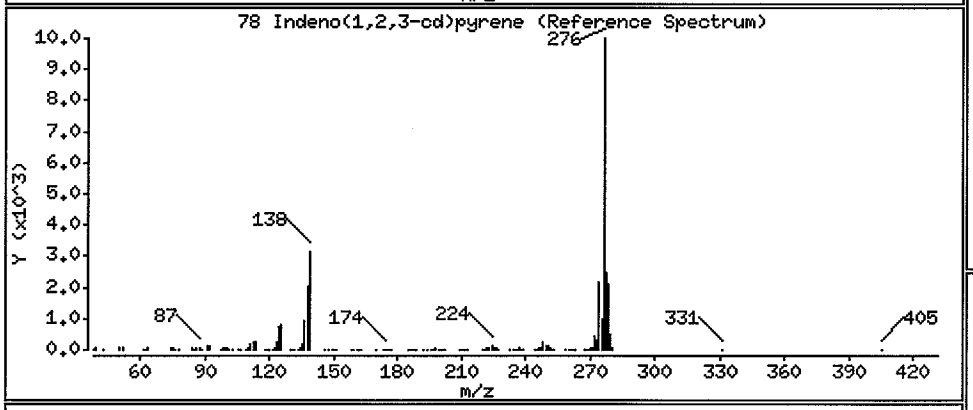
Volume Injected (uL): 1.0 Operator: LJR/VTS

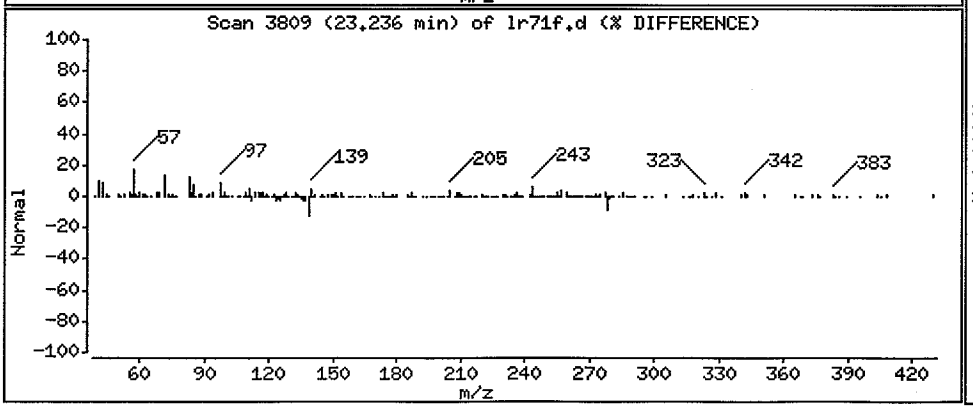
Column phase: ZB-5 Column diameter: 0.32

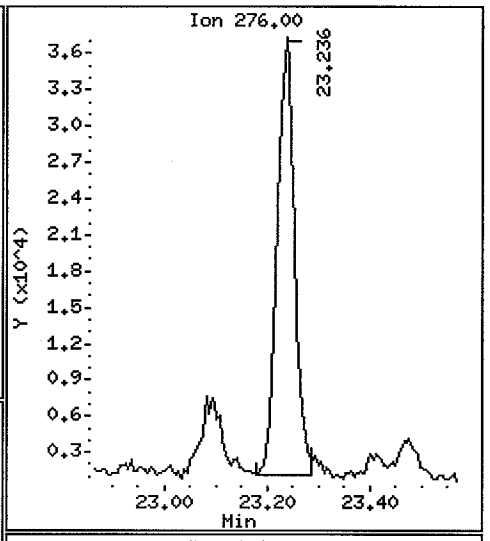
78 Indeno(1,2,3-cd)pyrene Concentration: 36.67 ug/kg

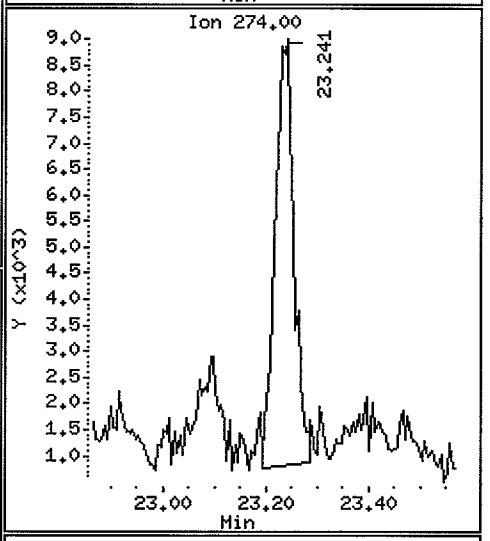


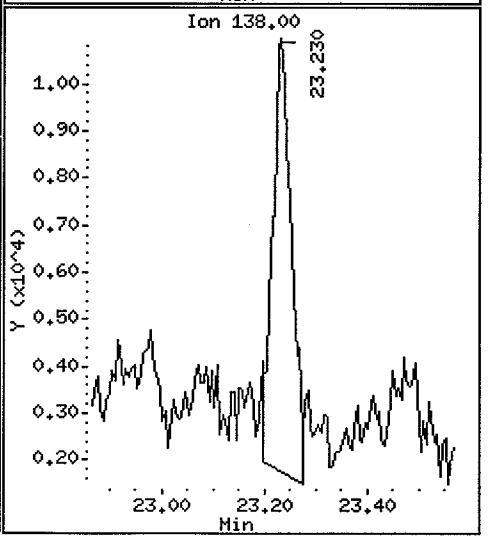












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

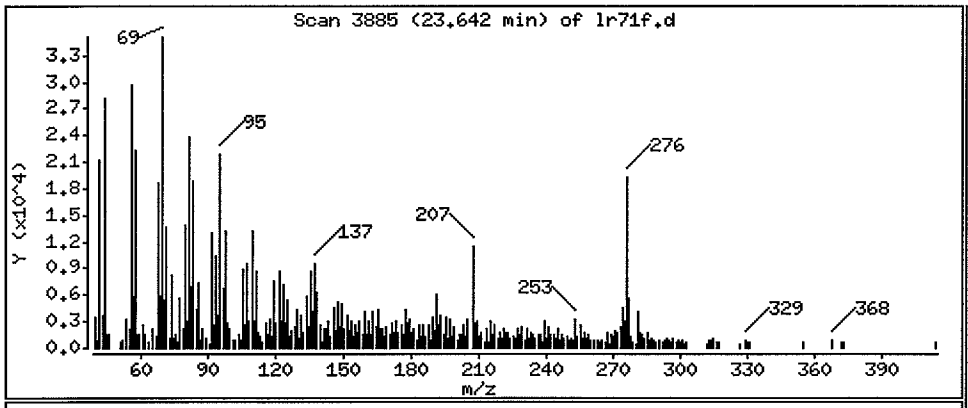
Client ID: AN-SS-11-070928 Instrument: nt6.i

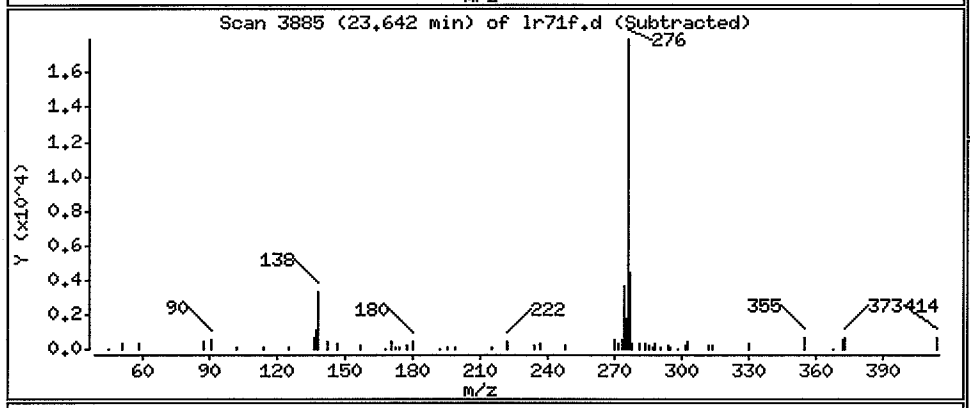
Sample Info: LR71F

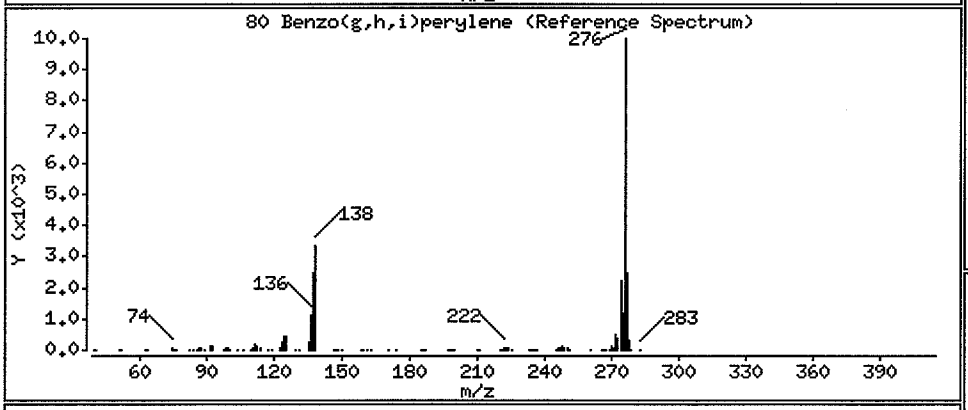
Volume Injected (uL): 1.0 Operator: LJR/VTS

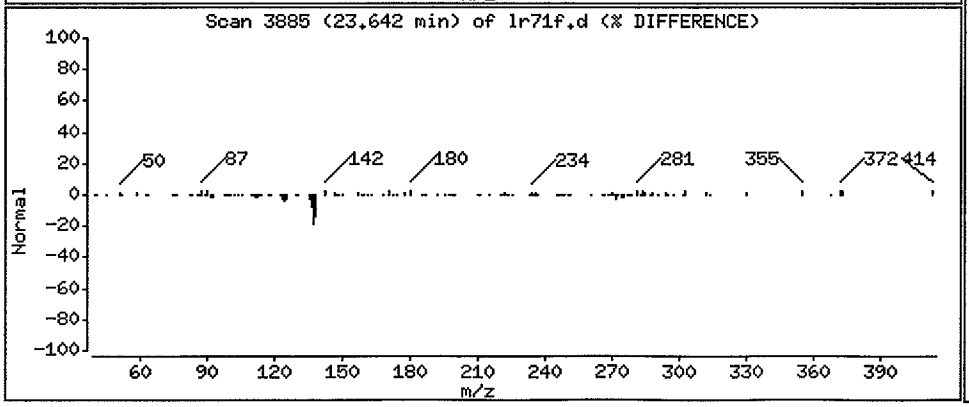
Column phase: ZB-5 Column diameter: 0.32

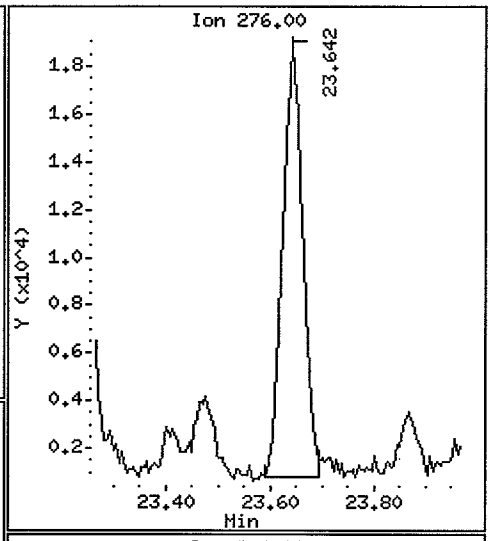
80 Benzo(g,h,i)perylene Concentration: 21.14 ug/kg

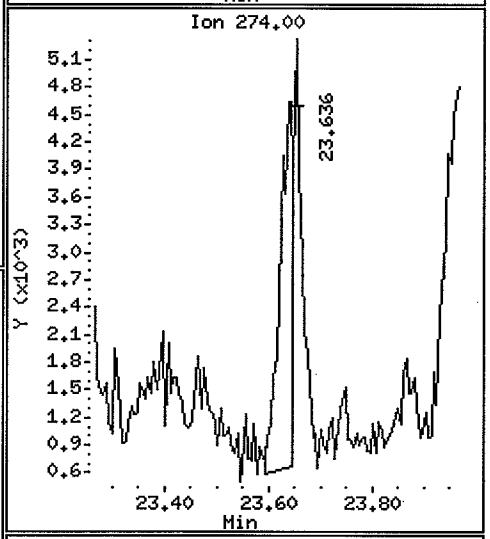


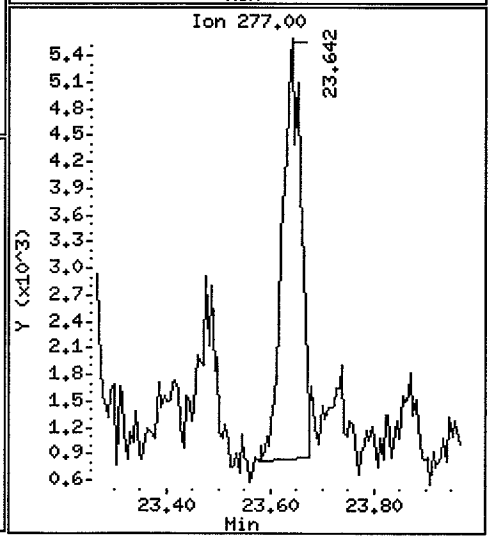












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

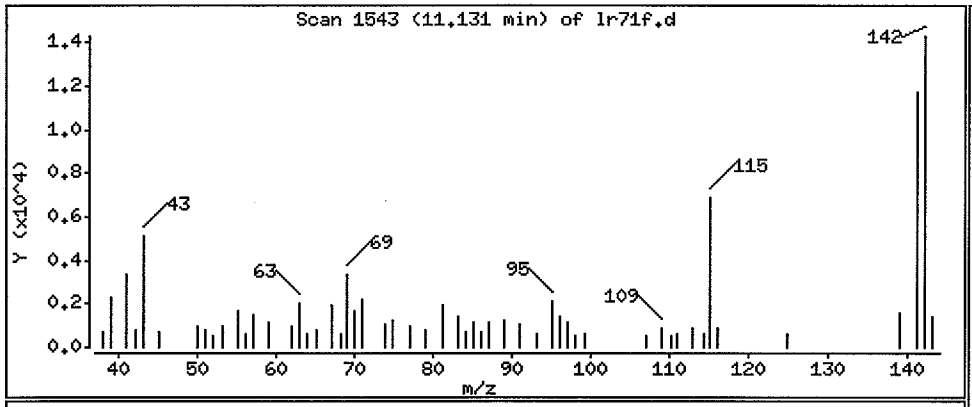
Client ID: AN-SS-11-070928 Instrument: nt6.i

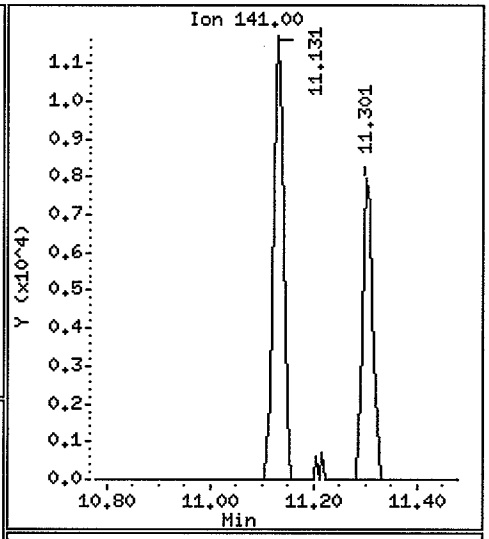
Sample Info: LR71F

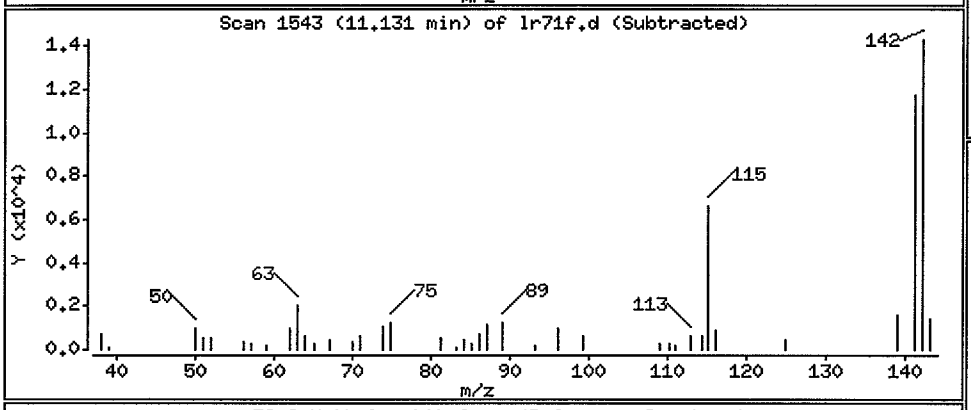
Volume Injected (uL): 1.0 Operator: LJR/VTS

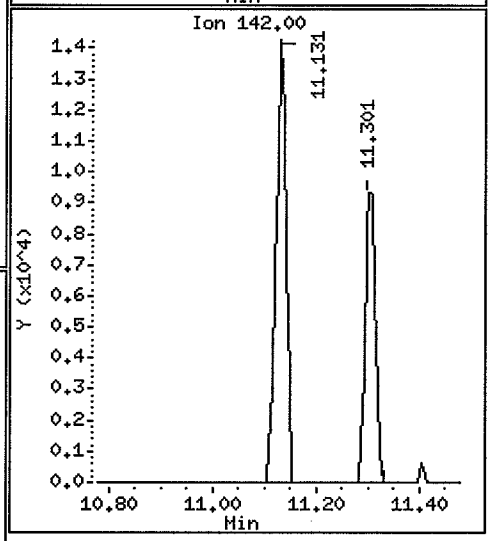
Column phase: ZB-5 Column diameter: 0.32

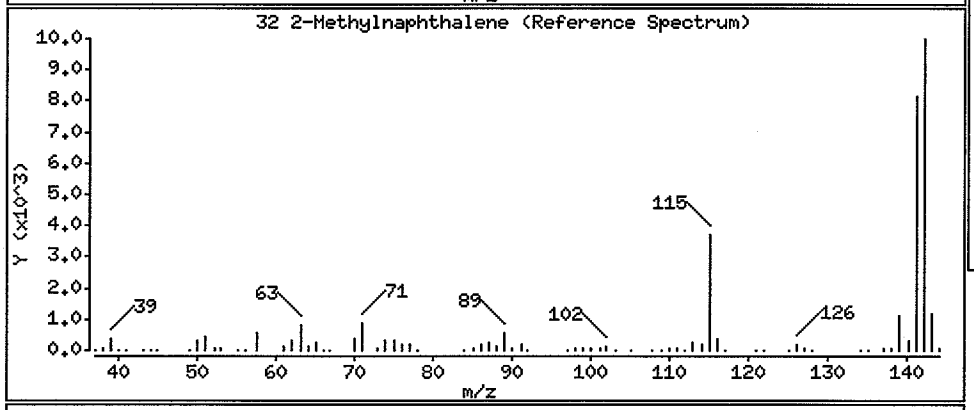
32 2-Methylnaphthalene Concentration: 16.62 ug/kg

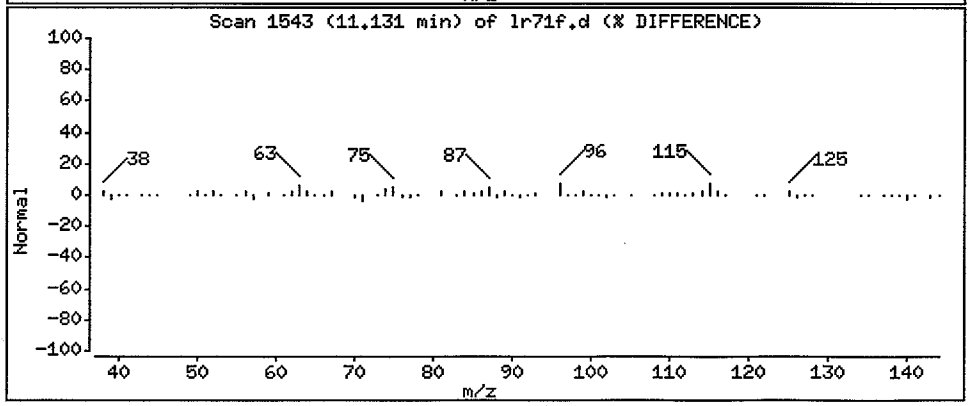












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F

Volume Injected (uL): 1.0

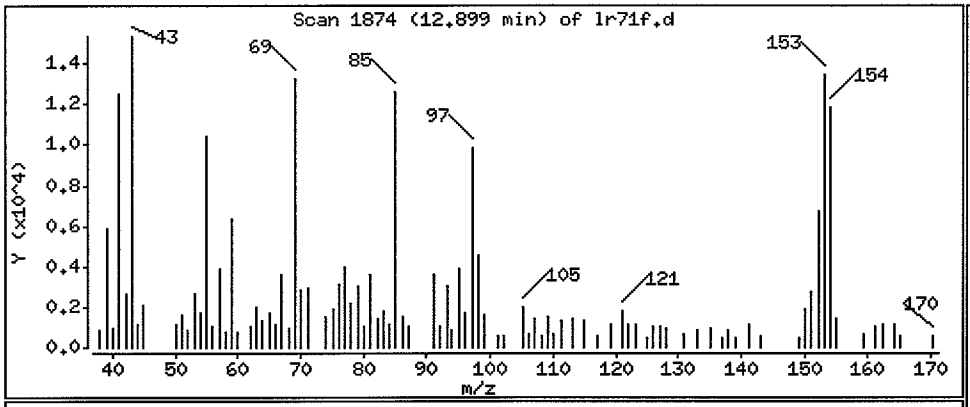
Operator: LJR/VTS

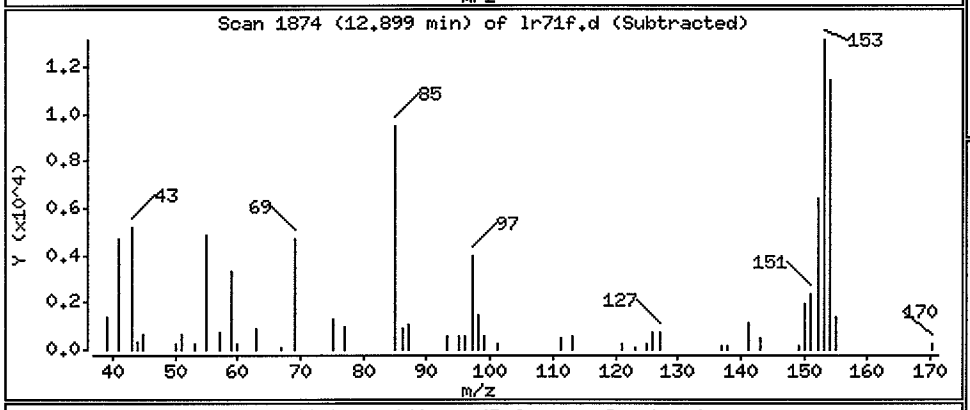
Column phase: ZB-5

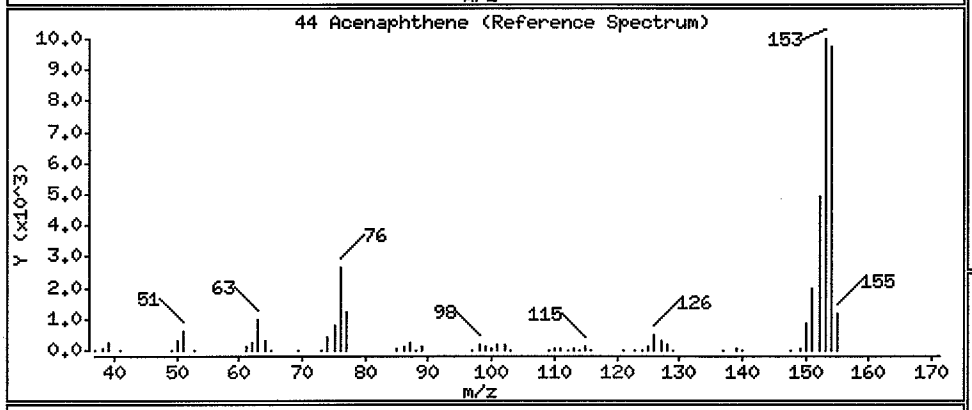
Column diameter: 0.32

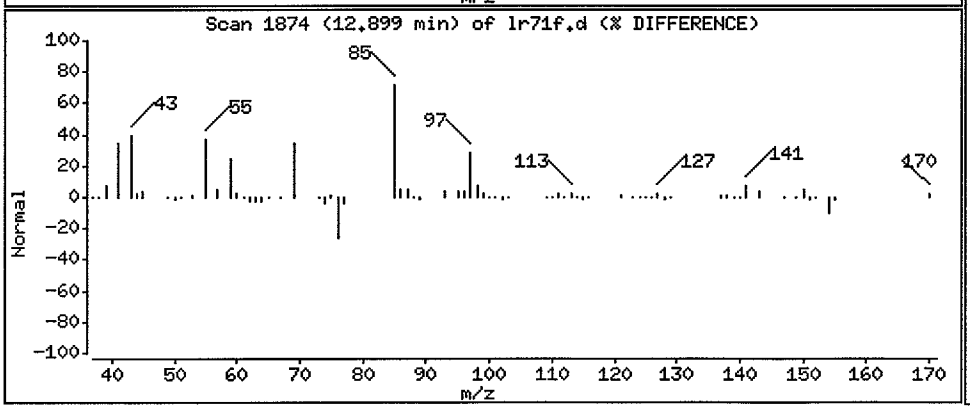
44 Acenaphthene

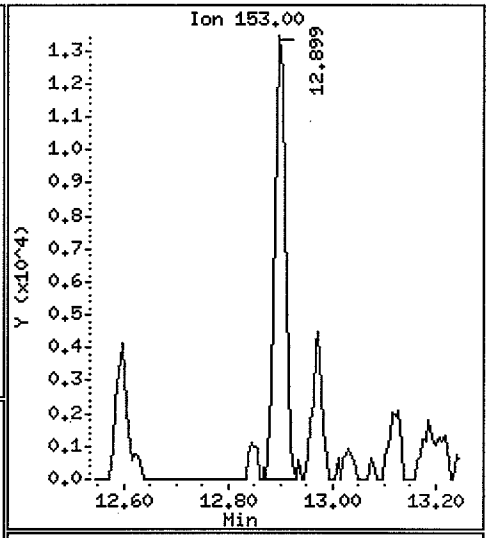
Concentration: 16.05 ug/kg

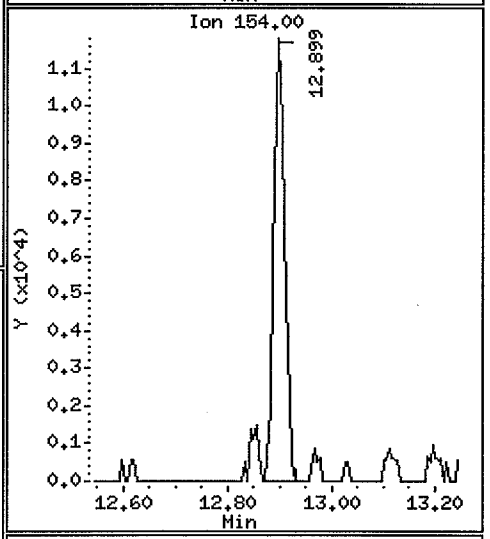


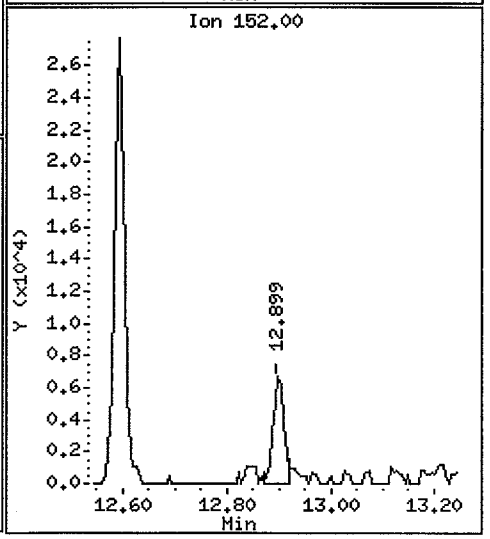












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

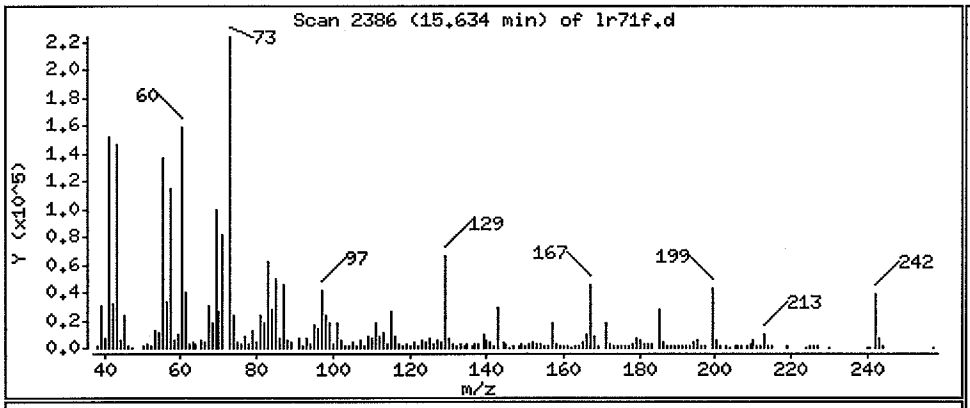
Client ID: AN-SS-11-070928 Instrument: nt6.i

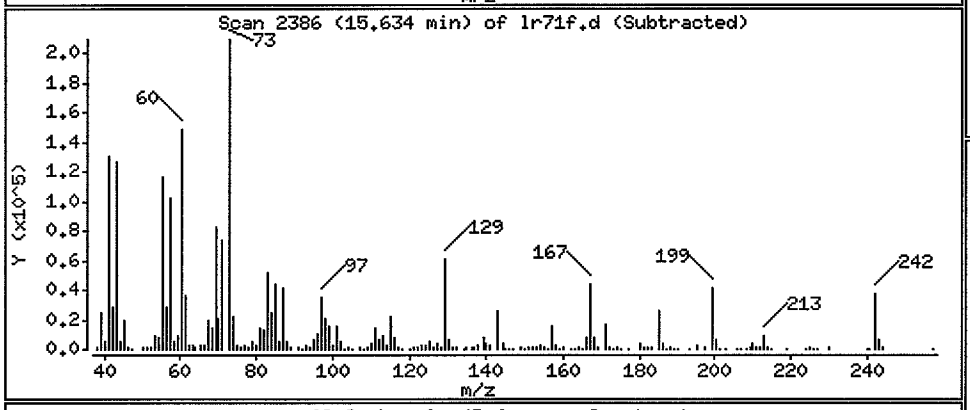
Sample Info: LR71F

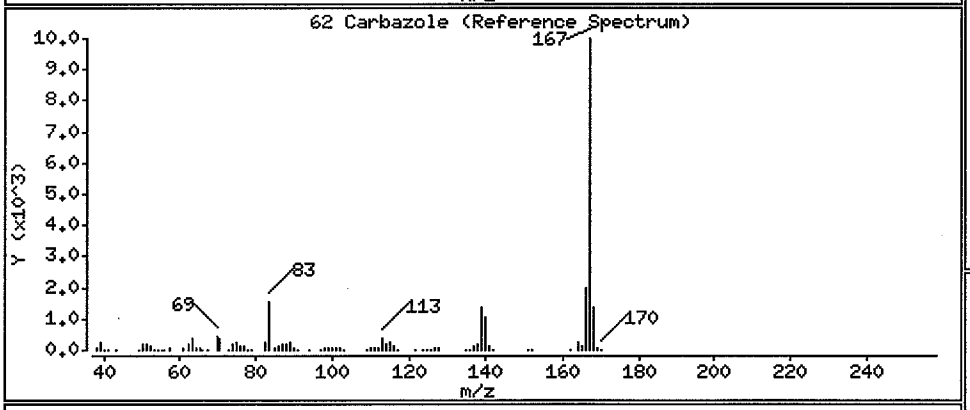
Volume Injected (uL): 1.0 Operator: LJR/VTS

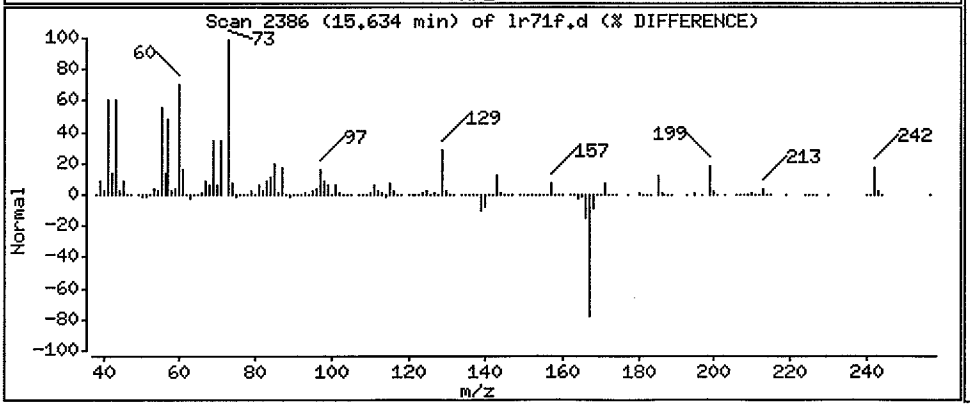
Column phase: ZB-5 Column diameter: 0.32

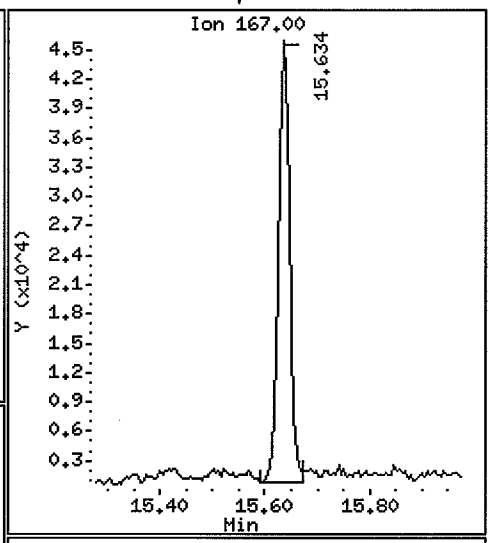
62 Carbazole Concentration: 36.35 ug/kg

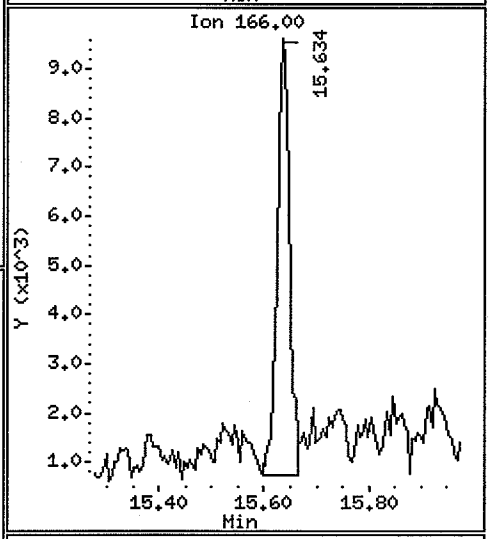


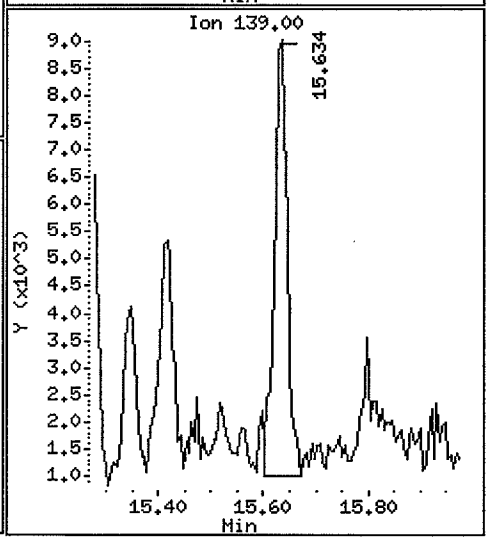












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F

Volume Injected (uL): 1.0

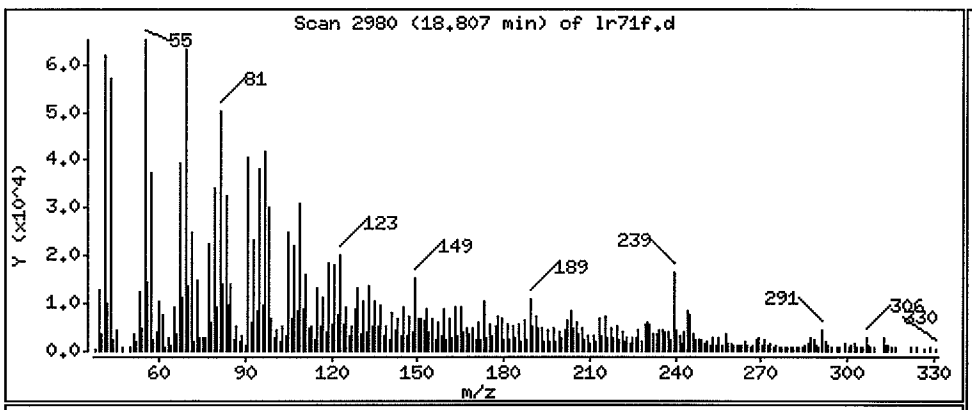
Operator: LJR/VTS

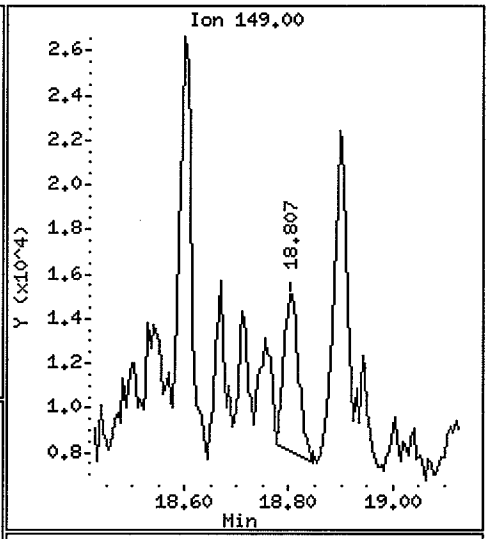
Column phase: ZB-5

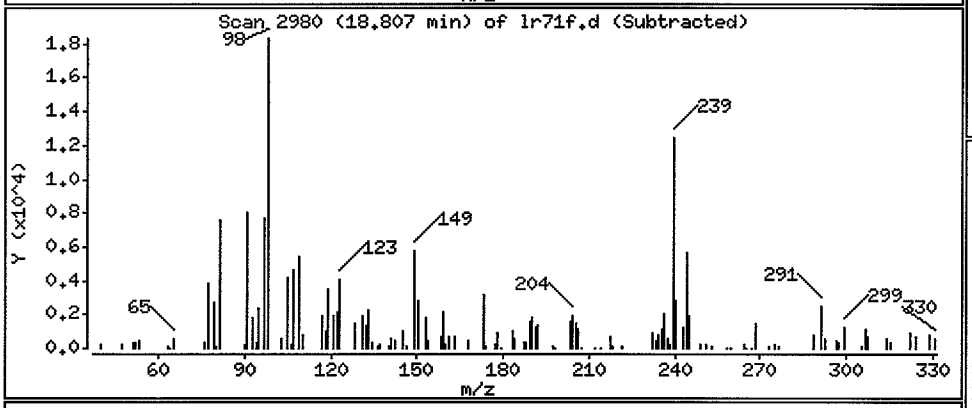
Column diameter: 0.32

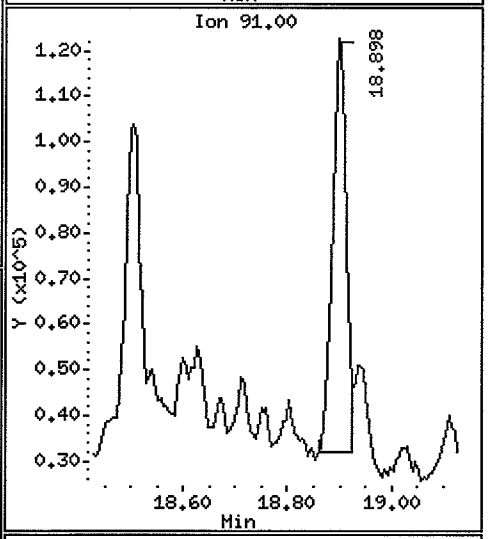
67 Butylbenzylphthalate

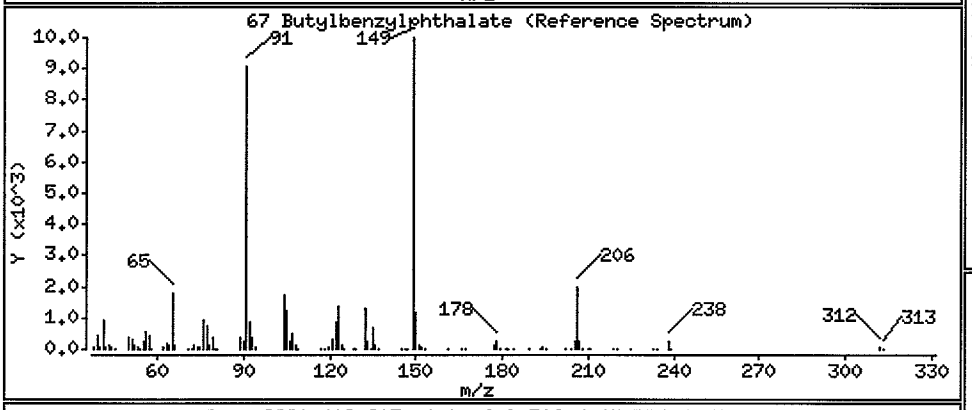
Concentration: 10.43 ug/kg

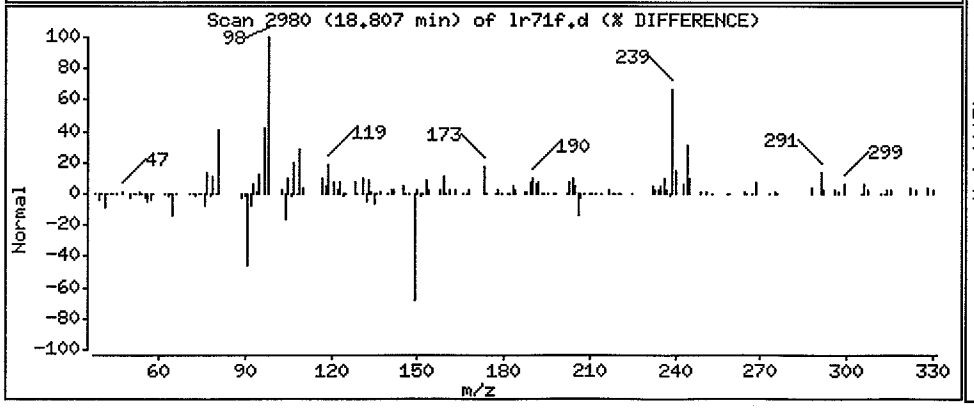


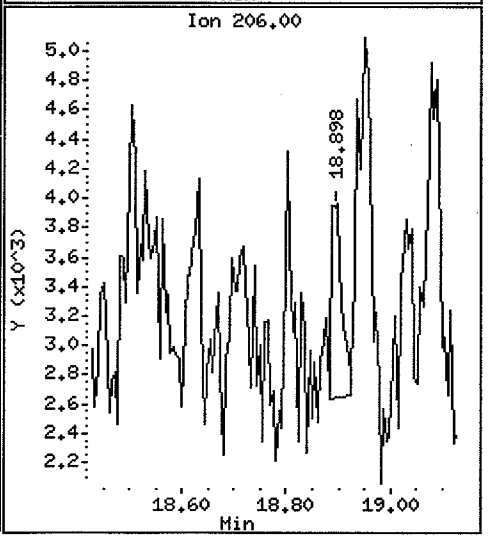












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F

Volume Injected (uL): 1.0

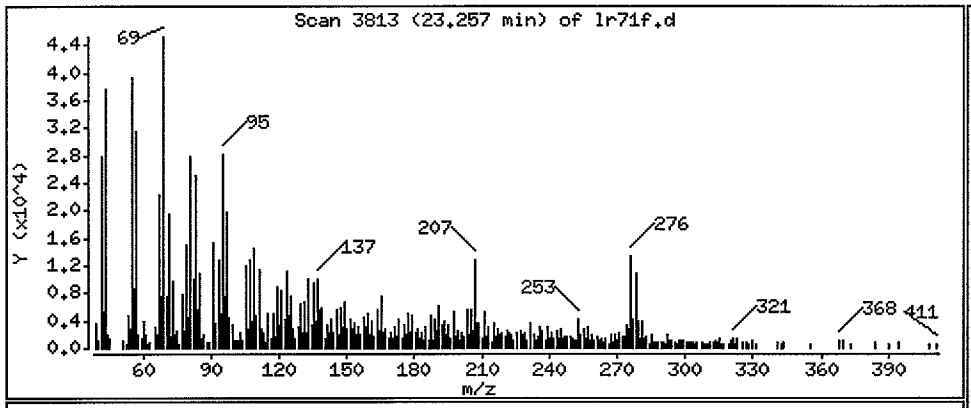
Operator: LJR/VTS

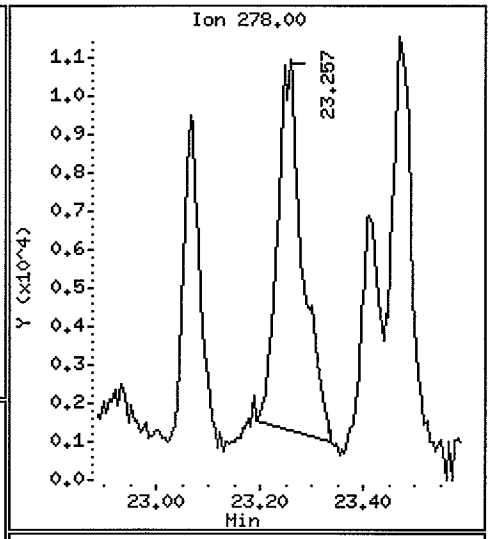
Column phase: ZB-5

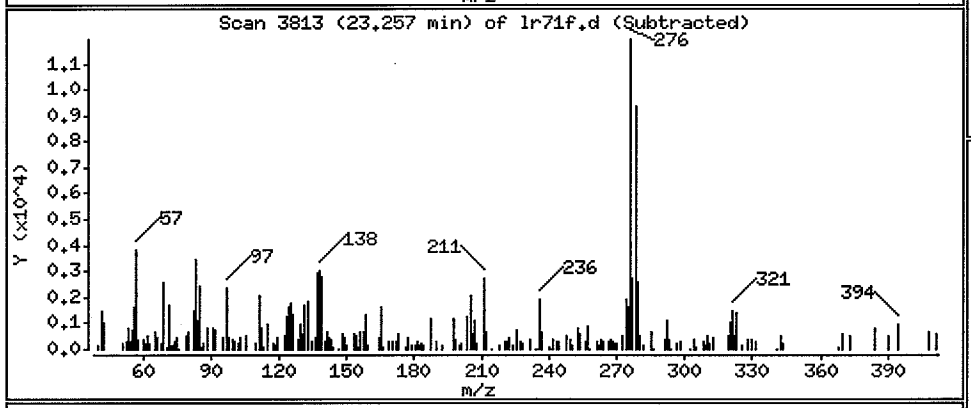
Column diameter: 0.32

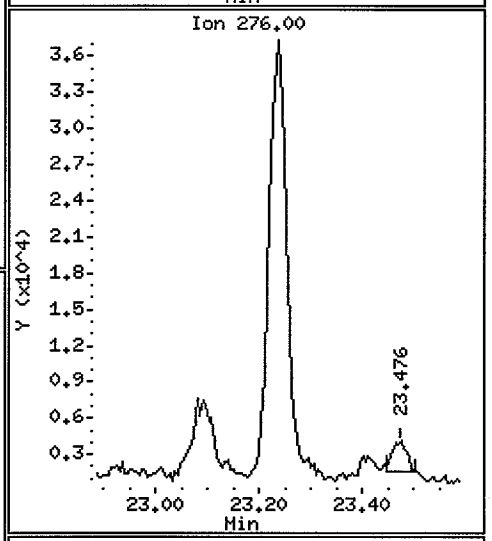
79 Dibenzo(a,h)anthracene

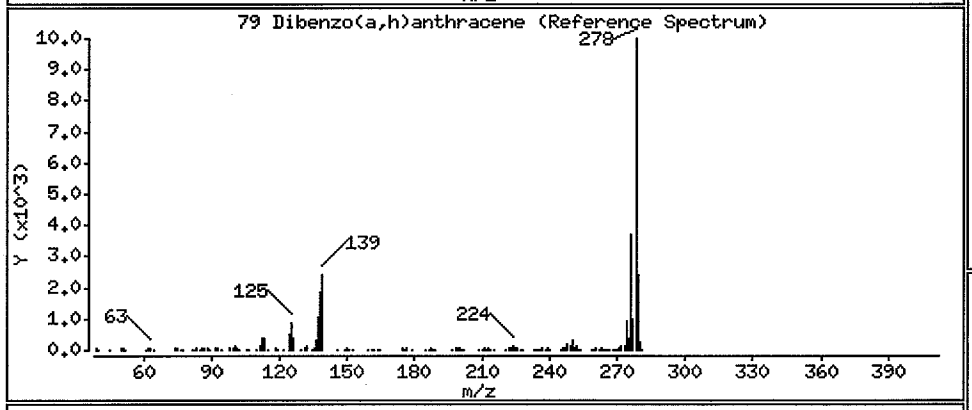
Concentration: 16.76 ug/kg

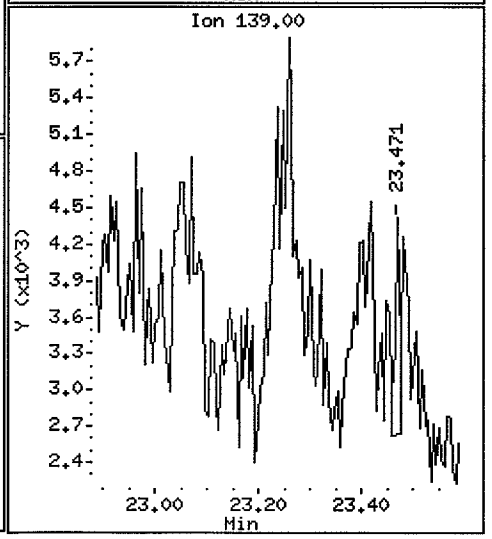


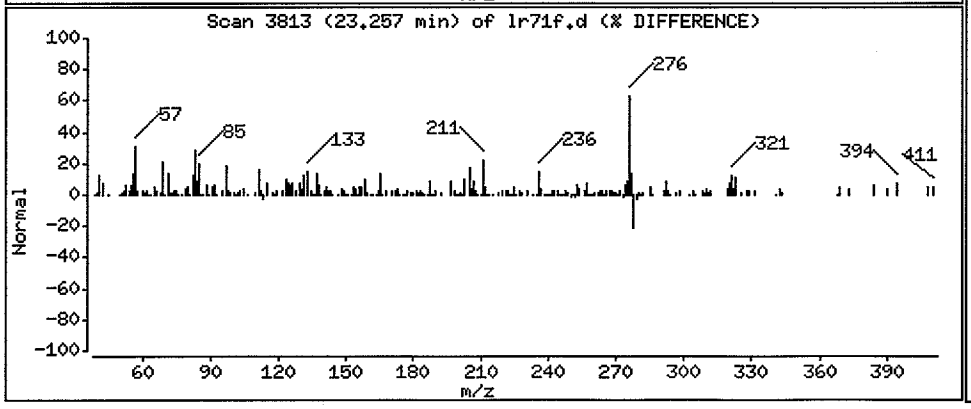












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F

Volume Injected (uL): 1.0

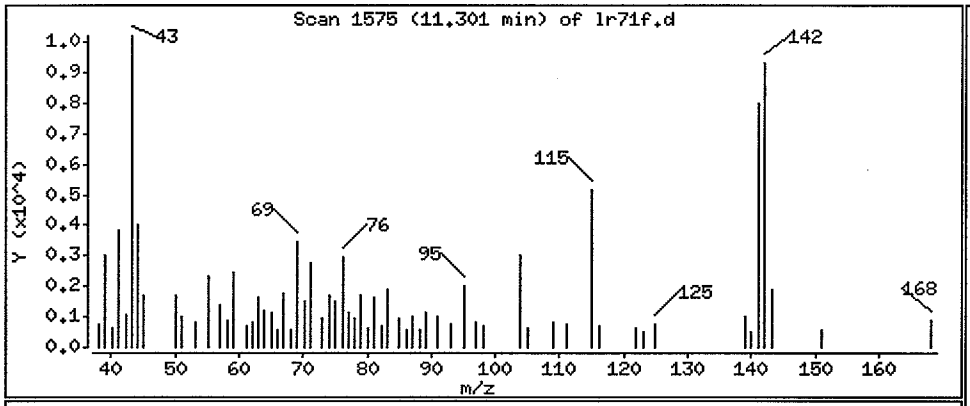
Operator: LJR/VTS

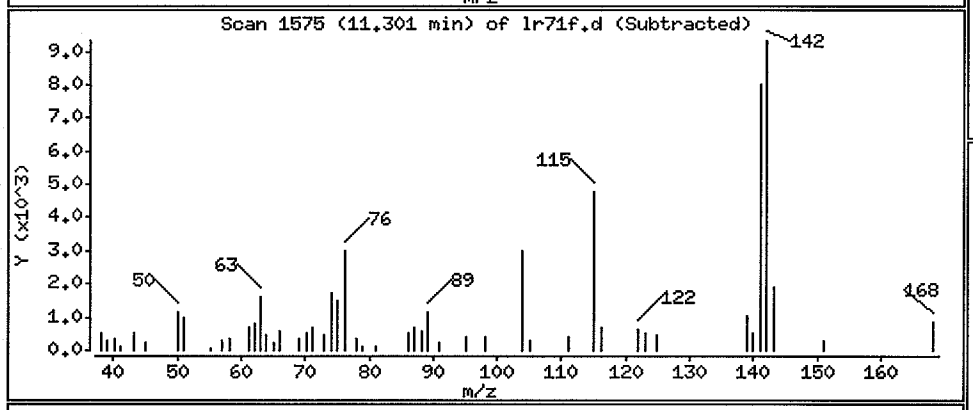
Column phase: ZB-5

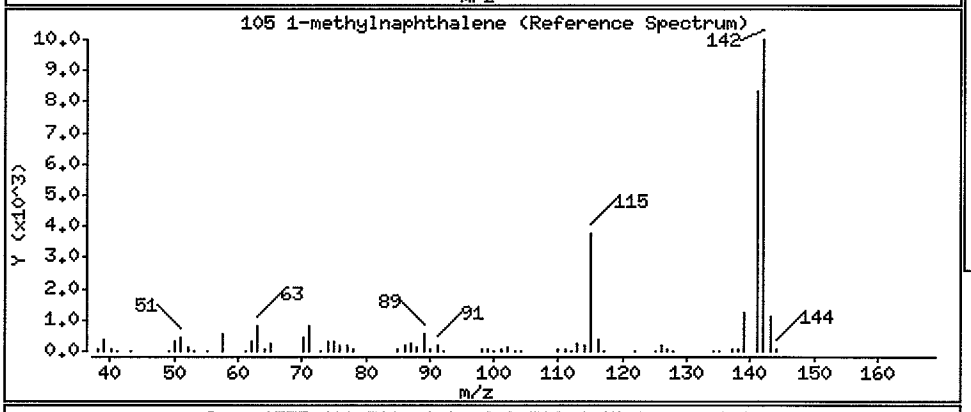
Column diameter: 0.32

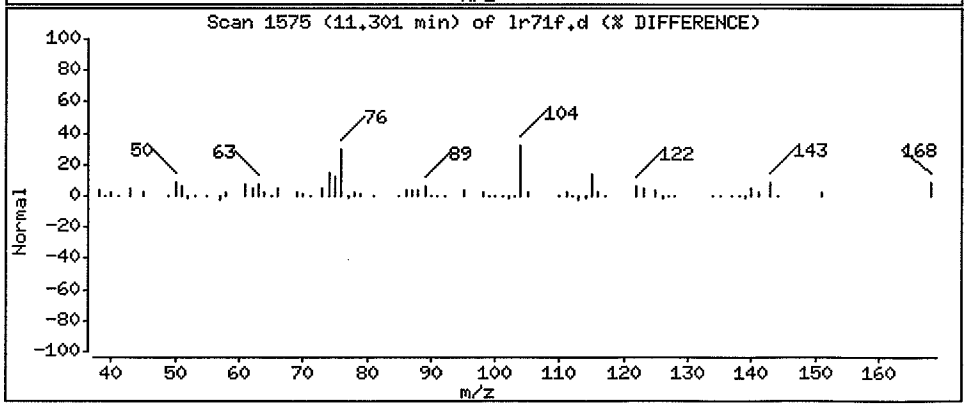
105 1-methylnaphthalene

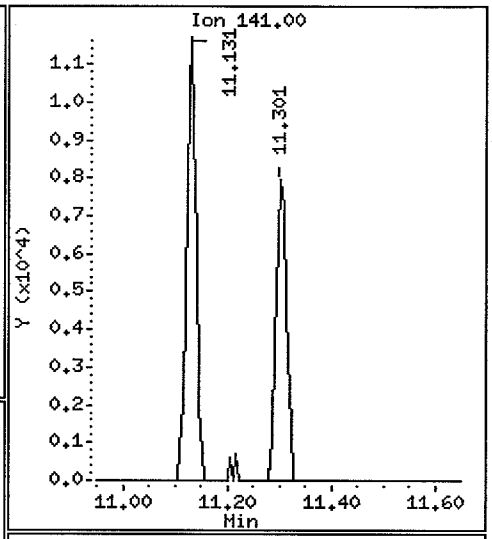
Concentration: 12.02 ug/kg

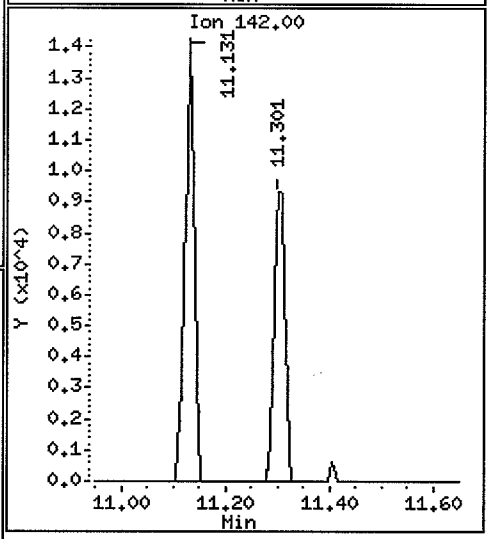












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS
Page 1 of 2

Sample ID: AN-SS-11-070928
DILUTION

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/19/07 17:51
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 32.9%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
106-46-7	1,4-Dichlorobenzene	60	< 60 U
100-51-6	Benzyl Alcohol	60	< 60 U
95-50-1	1,2-Dichlorobenzene	60	< 60 U
95-48-7	2-Methylphenol	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
105-67-9	2,4-Dimethylphenol	60	< 60 U
65-85-0	Benzoic Acid	600	< 600 U
120-82-1	1,2,4-Trichlorobenzene	30	< 30 UJ
91-20-3	Naphthalene	60	< 60 U
87-68-3	Hexachlorobutadiene	60	< 60 U
91-57-6	2-Methylnaphthalene	60	< 60 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
83-32-9	Acenaphthene	60	< 60 U
132-64-9	Dibenzofuran	60	< 60 U
84-66-2	Diethylphthalate	60	< 60 U
86-73-7	Fluorene	60	< 60 U
86-30-6	N-Nitrosodiphenylamine	60	< 60 U
118-74-1	Hexachlorobenzene	30	< 30 UJ
87-86-5	Pentachlorophenol	300	< 300 U
85-01-8	**Phenanthrene**	**60**	**300**
120-12-7	**Anthracene**	**60**	**120**
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	**Fluoranthene**	**60**	**2,600**
129-00-0	**Pyrene**	**60**	**1,400**
85-68-7	Butylbenzylphthalate	60	< 60 U
56-55-3	**Benzo(a)anthracene**	**60**	**530**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**60**	**270**
218-01-9	**Chrysene**	**60**	**690**
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	**Benzo(b)fluoranthene**	**60**	**290**
207-08-9	**Benzo(k)fluoranthene**	**60**	**300**
50-32-8	**Benzo(a)pyrene**	**60**	**220**
193-39-5	Indeno(1,2,3-cd)pyrene	60	< 60 U
53-70-3	Dibenz(a,h)anthracene	60	< 60 U
191-24-2	Benzo(g,h,i)perylene	60	< 60 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-11-070928**
Page 2 of 2 **DILUTION**

Lab Sample ID: LR71F QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20771 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 10/19/07 17:51

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	51.0%	2-Fluorobiphenyl	50.0%
d14-p-Terphenyl	57.5%	d4-1,2-Dichlorobenzene	44.5%
d5-Phenol	46.2%	2-Fluorophenol	54.6%
2,4,6-Tribromophenol	48.2%	d4-2-Chlorophenol	49.9%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071019.b/lr71fdl.d
Lab Smp Id: LR71F Client Smp ID: AN-SS-11-070928
Inj Date : 19-OCT-2007 17:51
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71F,3
Misc Info : 07-20771
Comment : 1ul Injection
Method : /chem1/nt6.i/20071019.b/SW846.m
Meth Date : 25-Oct-2007 16:08 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 17
Dil Factor: 3.00000
Integrator: HP RTE Compound Sublist: SONIC.sub
Target Version: 3.50

LJR 10/25/07

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

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	75.00000	Weight of sample extracted (g)
M	32.90000	% 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	5.857	5.847	(0.748)	79476	6.82258	406.7
$ 2	Phenol-d5	99	7.422	7.428	(0.947)	85945	5.77554	344.3
3	Phenol	94	Compound Not Detected.					
$ 5	2-Chlorophenol-d4	132	7.529	7.535	(0.961)	61851	6.24060	372.0
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	7.833	7.839	(1.000)	158077	20.0000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	8.133	8.138	(1.038)	27554	3.70739	221.0
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	8.624	8.619	(1.101)	6427	0.57896 LOL	34.51
$	18 Nitrobenzene-d5	82	8.768	8.779	(0.886)	63964	4.24507	253.1
	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	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.896	9.907	(1.000)	468974	20.0000	
	28 Naphthalene	128	9.928	9.933	(1.003)	21327	0.73775 LOL	43.98
	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	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	11.712	11.723	(0.916)	83366	4.17463	248.9
	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	12.780	12.786	(1.000)	256484	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	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	13.651	13.662	(1.068)	10919	0.59445 LOL	35.44
	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	14.084	14.089	(1.102)	15002	6.02868	359.4
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	15.163	15.174	(1.000)	447168	20.0000	
	60 Phenanthrene	178	15.200	15.211	(1.002)	142286	4.95932	295.6
	61 Anthracene	178	15.275	15.281	(1.007)	59952	2.08690	124.4
	62 Carbazole	167	15.569	15.575	(1.027)	15306	0.59897 LOL	35.71

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	63 Di-n-butylphthalate	149	16.295	16.312	(1.075)	17245	0.57877	34.50(M)
	64 Fluoranthene	202	17.156	17.156	(1.131)	1416457	43.1718	2574
	65 Pyrene	202	17.508	17.514	(0.898)	1026228	23.6441	1409
$	66 Terphenyl-d14	244	17.834	17.840	(0.914)	130050	4.78705	285.4
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	19.479	19.485	(0.999)	418471	8.83790	526.8
*	69 Chrysene-d12	240	19.506	19.512	(1.000)	604323	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	19.543	19.554	(1.002)	491129	11.5422	688.1
	72 bis(2-Ethylhexyl)phthalate	149	19.741	19.747	(0.955)	114262	4.45726	265.7
*	134 Di-n-octylphthalate-d4	153	20.676	20.687	(1.000)	847787	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	21.141	21.152	(0.976)	182814	4.93335	294.1
	75 Benzo(k)fluoranthene	252	21.167	21.184	(0.977)	195472	4.98652	297.3(M)
	76 Benzo(a)pyrene	252	21.590	21.600	(0.996)	128044	3.76407	224.4
*	77 Perylene-d12	264	21.670	21.675	(1.000)	516042	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	23.133	23.155	(1.068)	39188	0.97136	57.91(M)
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	23.534	23.561	(1.086)	28723	0.71196	42.44(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	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: lr71fdl.d
Lab Smp Id: LR71F
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071019.b/SW846.m
Misc Info: 07-20771

Calibration Date: 19-OCT-2007
Calibration Time: 09:25
Client Smp ID: AN-SS-11-070928
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	158077	-25.46
27 Naphthalene-d8	656578	328289	1313156	468974	-28.57
42 Acenaphthene-d10	353705	176852	707410	256484	-27.49
59 Phenanthrene-d10	526440	263220	1052880	447168	-15.06
69 Chrysene-d12	581923	290962	1163846	604323	3.85
134 Di-n-octylphthala	979097	489548	1958194	847787	-13.41
77 Perylene-d12	686531	343266	1373062	516042	-24.83

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.84	7.34	8.34	7.83	-0.07
27 Naphthalene-d8	9.91	9.41	10.41	9.90	-0.11
42 Acenaphthene-d10	12.79	12.29	13.29	12.78	-0.04
59 Phenanthrene-d10	15.17	14.67	15.67	15.16	-0.07
69 Chrysene-d12	19.51	19.01	20.01	19.51	-0.03
134 Di-n-octylphthala	20.69	20.19	21.19	20.68	-0.05
77 Perylene-d12	21.68	21.18	22.18	21.67	-0.03

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

Analytical Resources, Inc.

RECOVERY REPORT

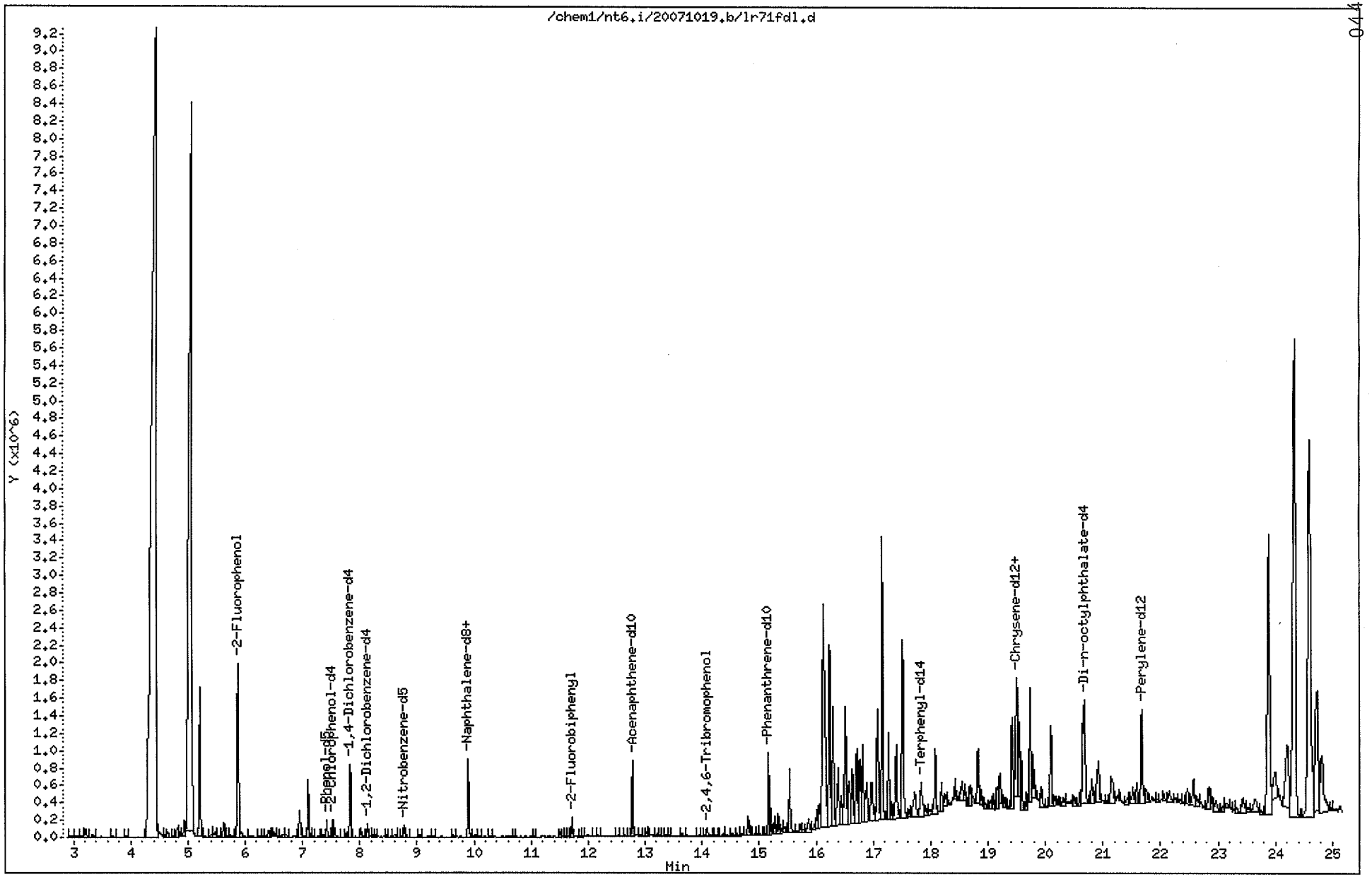
Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71F
Level: LOW
Data Type: MS DATA
SpikeList File: SONICLCS.spk
Sublist File: SONIC.sub
Method File: /chem1/nt6.i/20071019.b/SW846.m
Misc Info: 07-20771

Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-11-070928
Operator: LJR/VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	745.2	406.7	54.58	25-99
$ 2 Phenol-d5	745.2	344.3	46.20	35-98
$ 5 2-Chlorophenol-d4	745.2	372.0	49.92	35-99
$ 10 1,2-Dichlorobenzen	496.8	221.0	44.49	35-90
$ 18 Nitrobenzene-d5	496.8	253.1	50.94	34-94
$ 36 2-Fluorobiphenyl	496.8	248.9	50.10	41-95
$ 55 2,4,6-Tribromophen	745.2	359.4	48.23	37-114
$ 66 Terphenyl-d14	496.8	285.4	57.44	30-114

Data File: /chem1/nt6.i/20071019.b/lr71fdl.d
Date : 19-OCT-2007 17:51
Client ID: AN-SS-11-070928
Sample Info: LR71F,3
Volume Injected (uL): 1.0
Column phase: ZB-5

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



Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

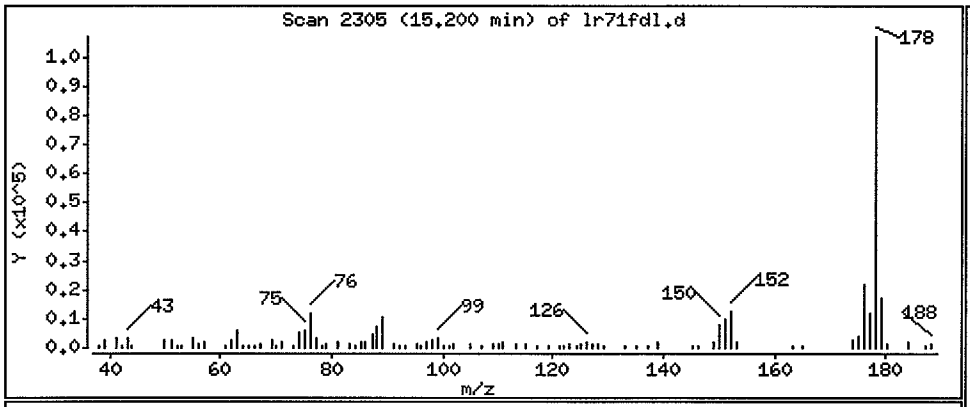
Client ID: AN-SS-11-070928 Instrument: nt6.i

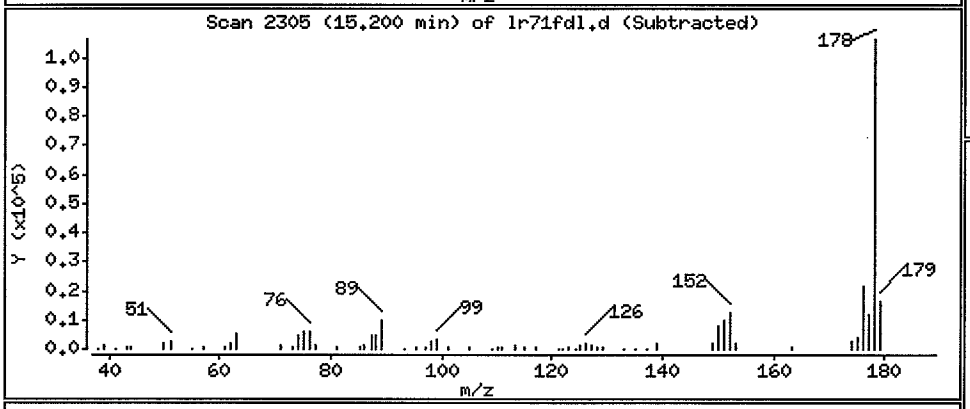
Sample Info: LR71F,3

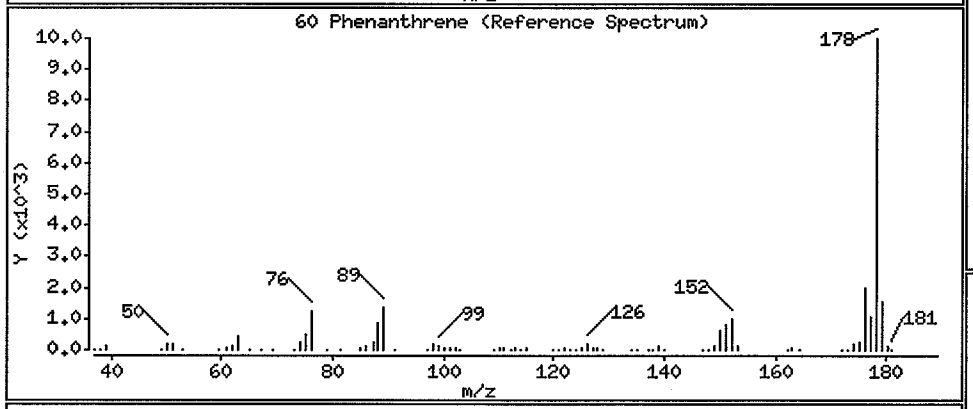
Volume Injected (uL): 1.0 Operator: LJR/VTS

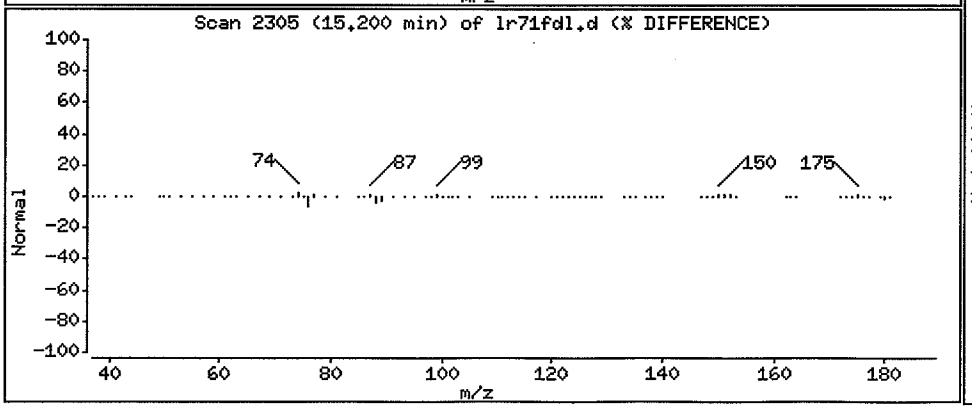
Column phase: ZB-5 Column diameter: 0.32

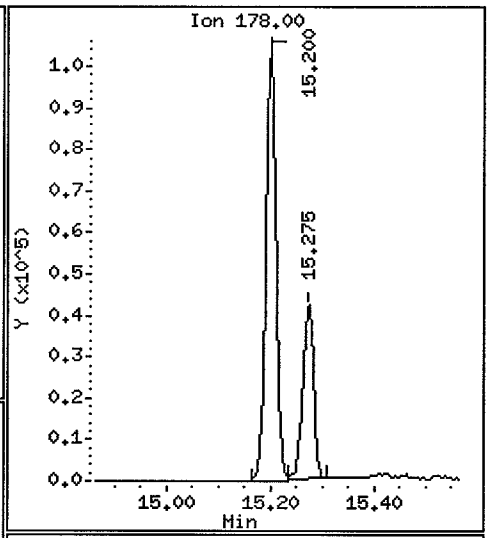
60 Phenanthrene Concentration: 295.6 ug/kg

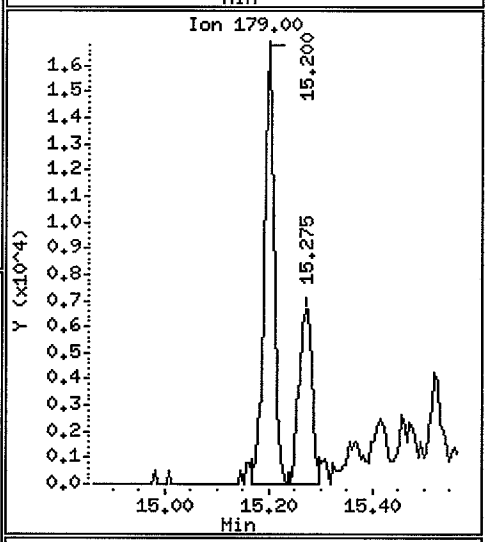


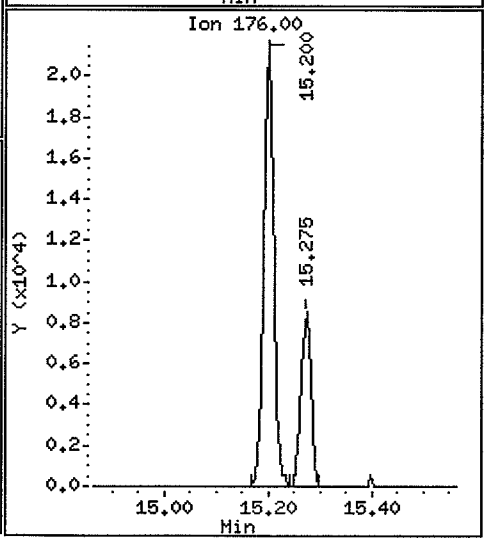












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

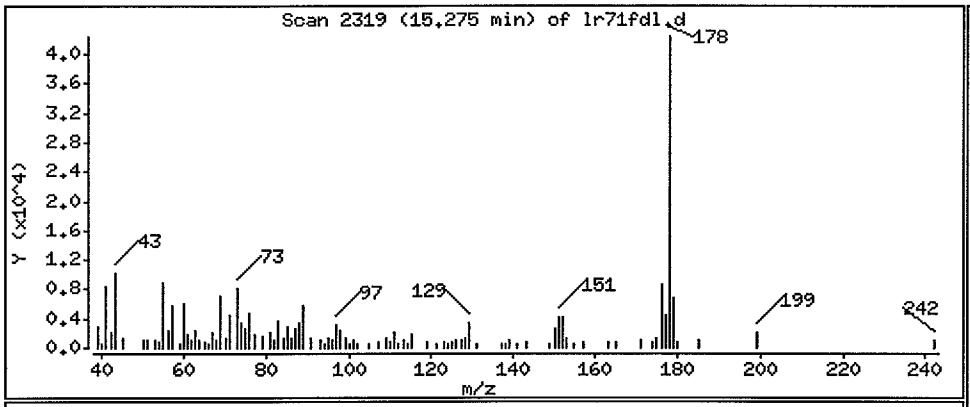
Client ID: AN-SS-11-070928 Instrument: nt6.i

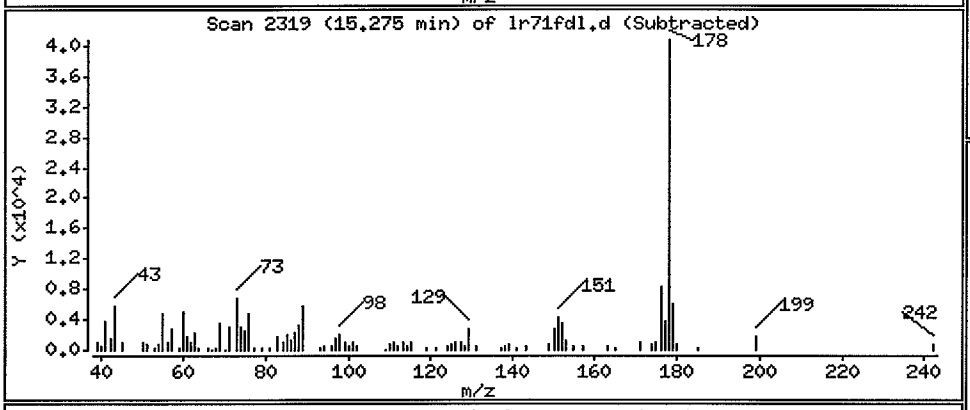
Sample Info: LR71F,3

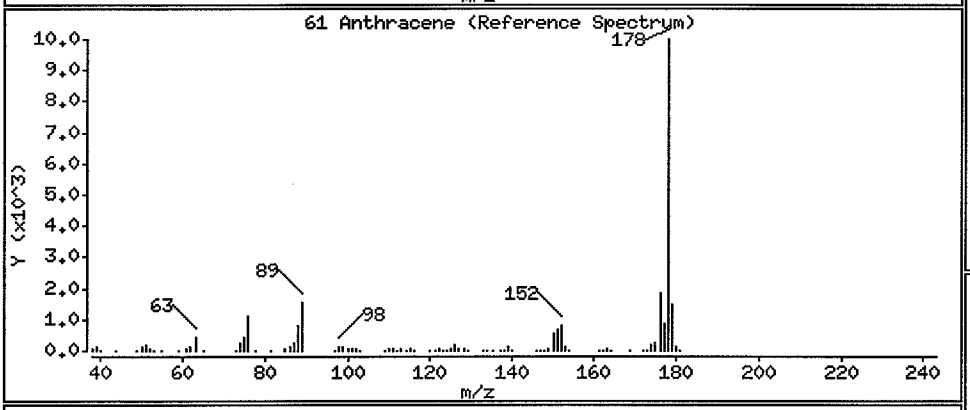
Volume Injected (uL): 1.0 Operator: LJR/VTS

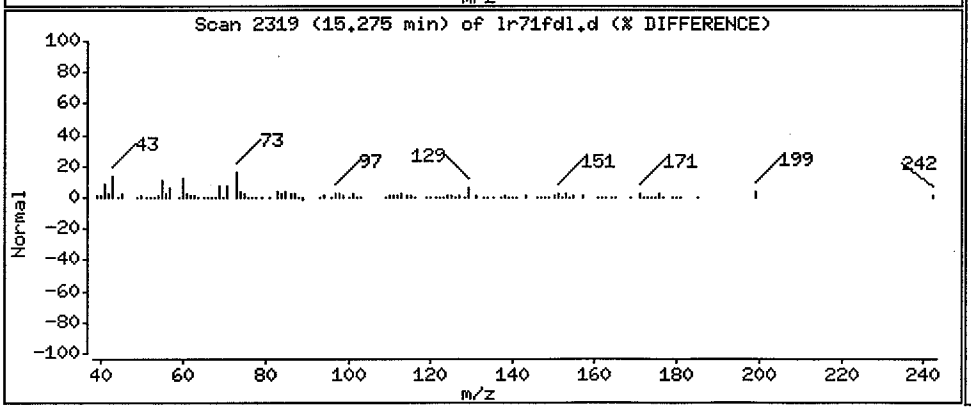
Column phase: ZB-5 Column diameter: 0.32

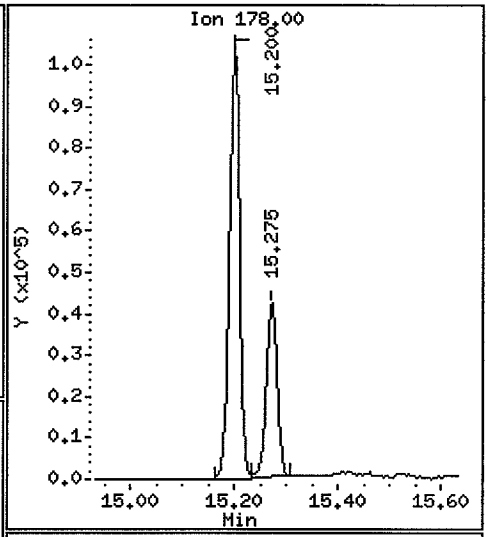
61 Anthracene Concentration: 124.4 ug/kg

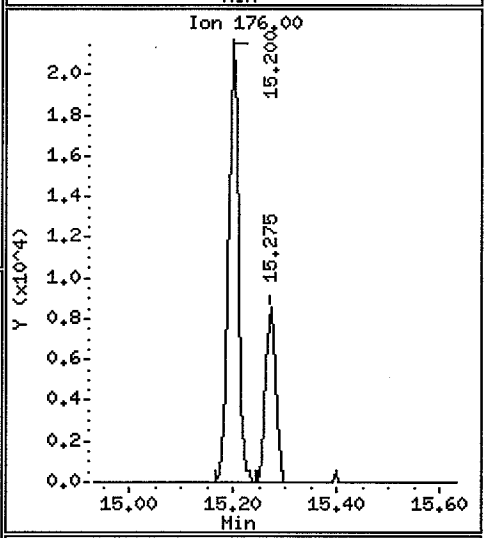


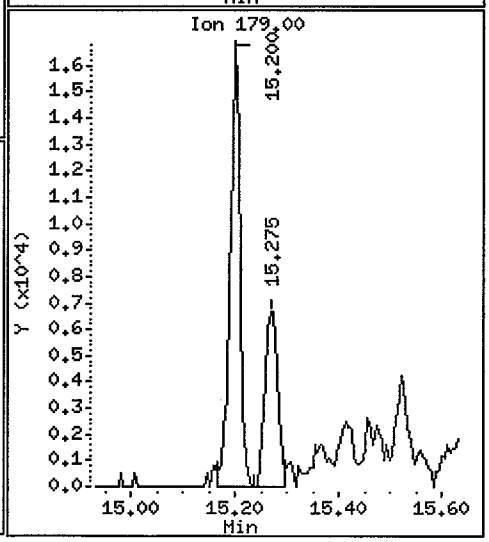












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

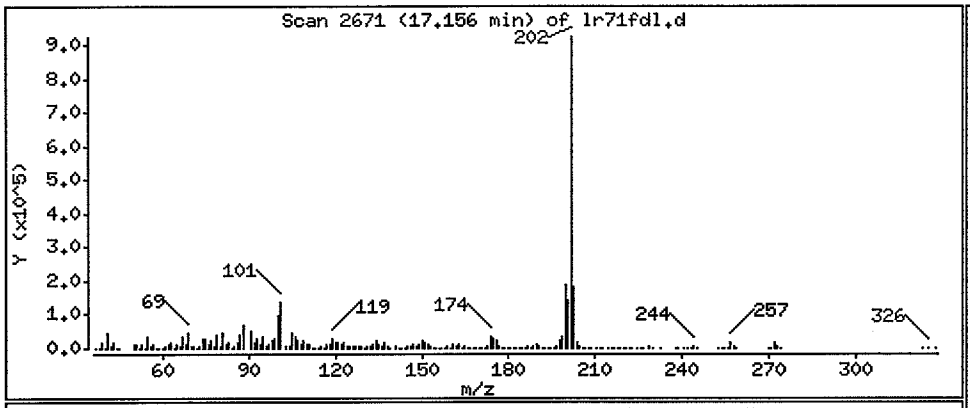
Client ID: AN-SS-11-070928 Instrument: nt6.i

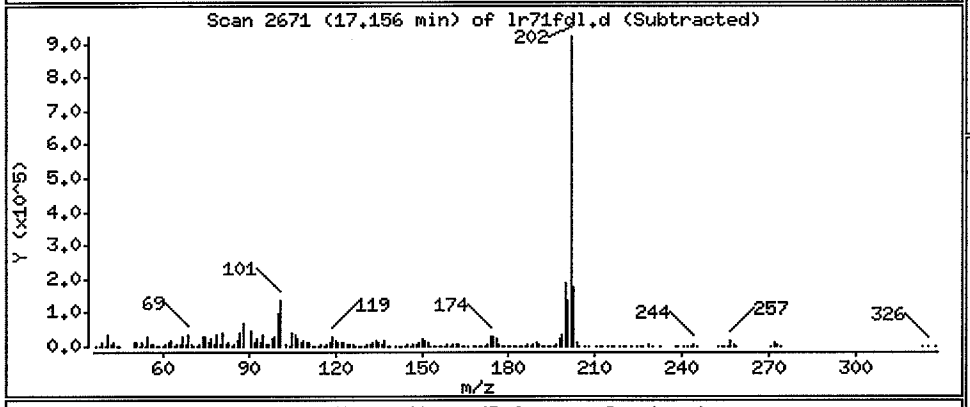
Sample Info: LR71F,3

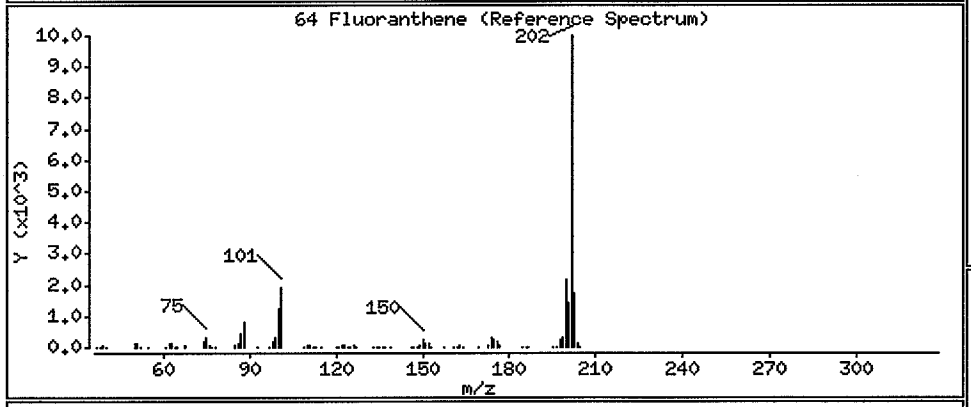
Volume Injected (uL): 1.0 Operator: LJR/VTS

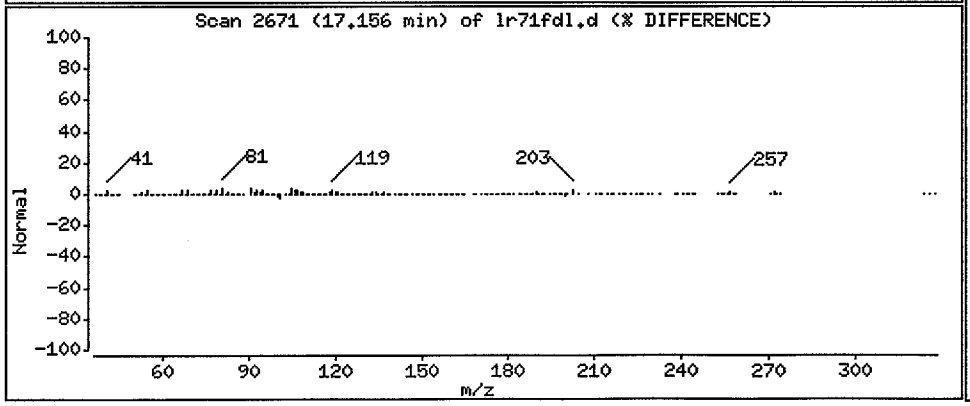
Column phase: ZB-5 Column diameter: 0.32

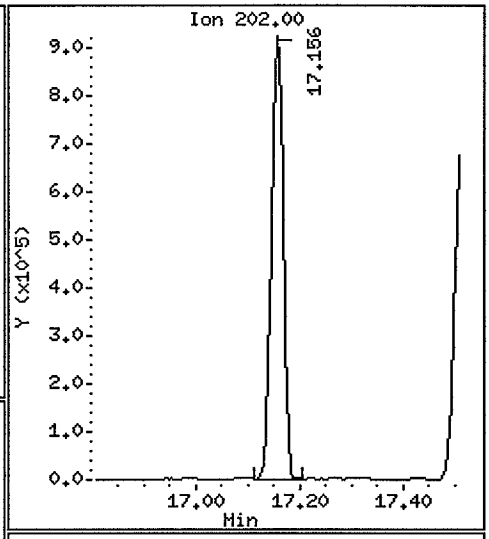
64 Fluoranthene Concentration: 2574 ug/kg

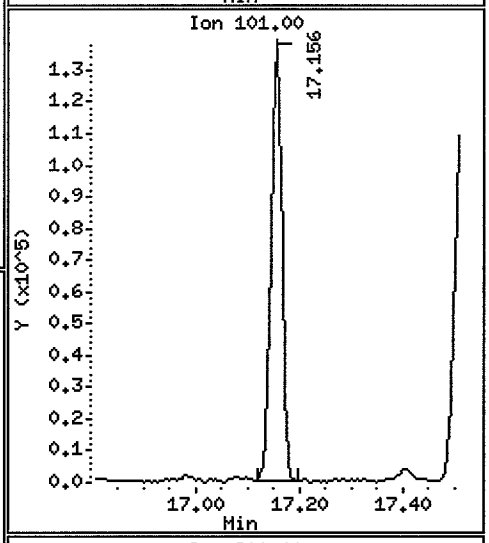


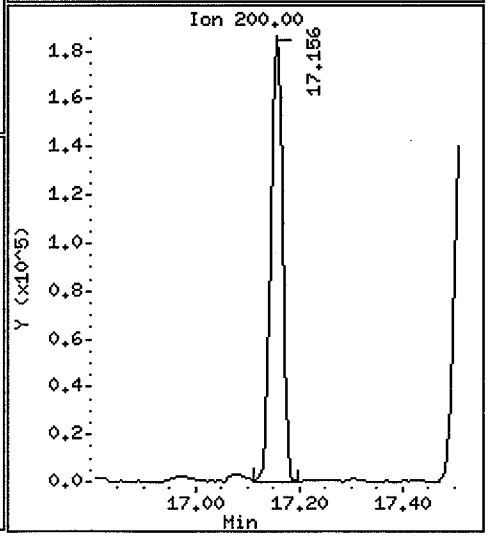












Data File: /chem1/nt6.i/20071019.b/lr71fd1.d

Date : 19-OCT-2007 17:51

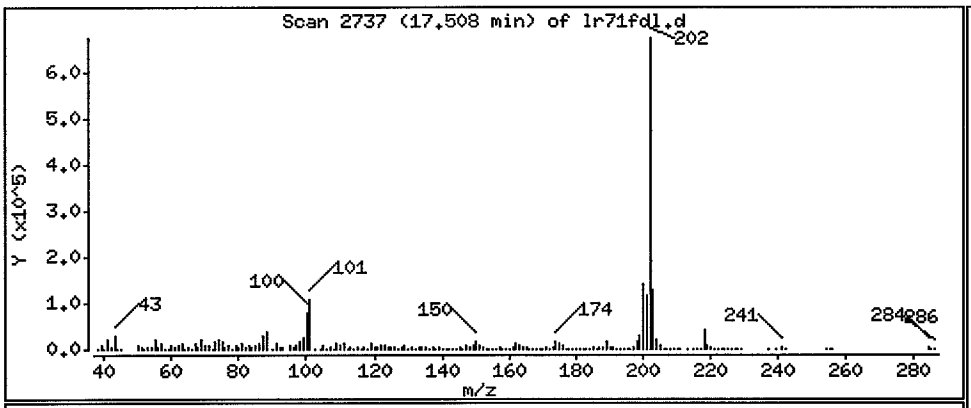
Client ID: AN-SS-11-070928 Instrument: nt6.i

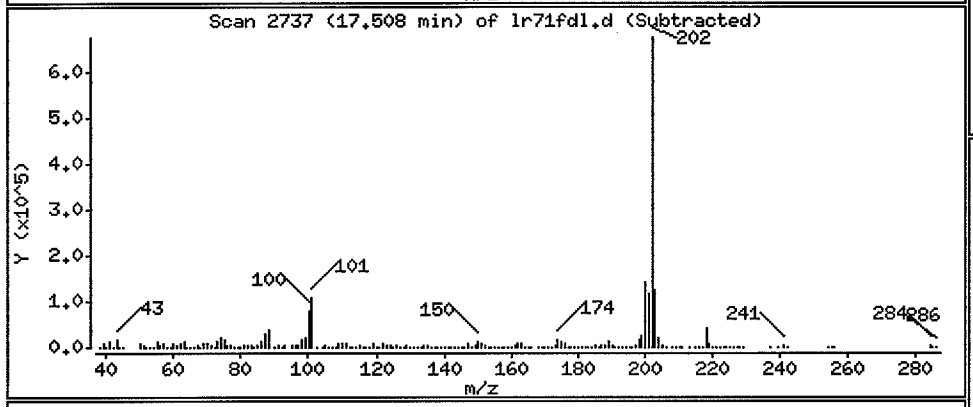
Sample Info: LR71F,3

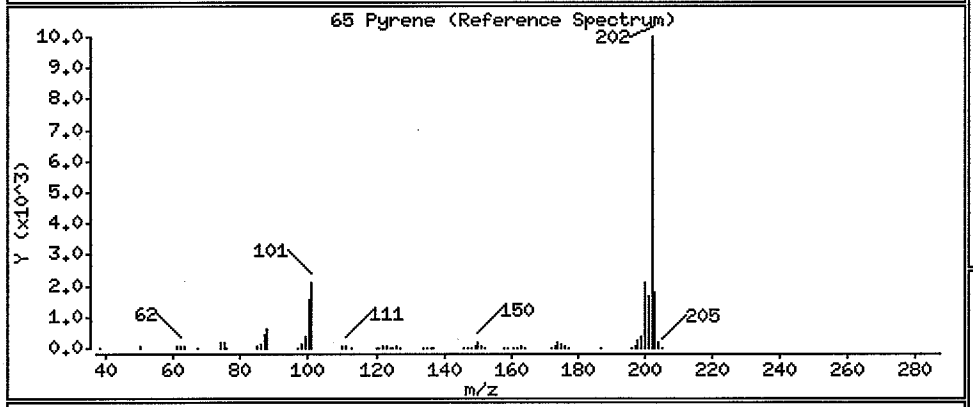
Volume Injected (uL): 1.0 Operator: LJR/VTS

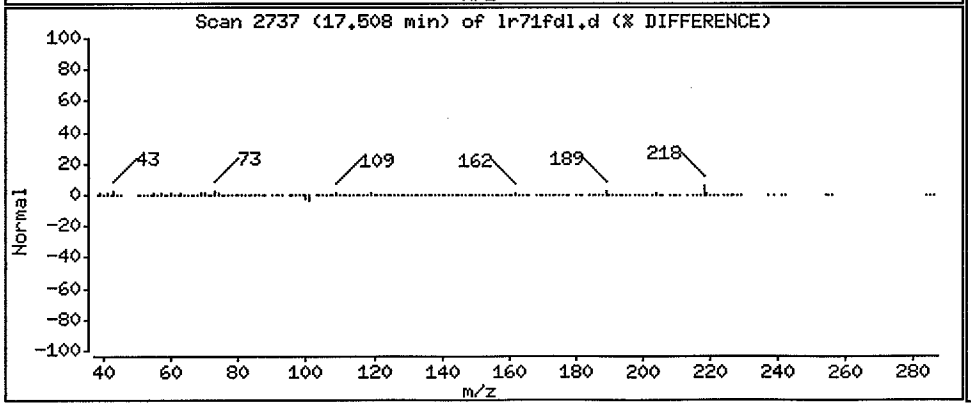
Column phase: ZB-5 Column diameter: 0.32

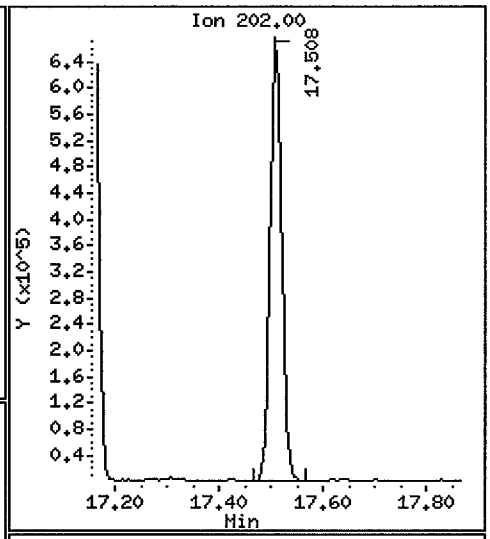
65 Pyrene Concentration: 1409 ug/kg

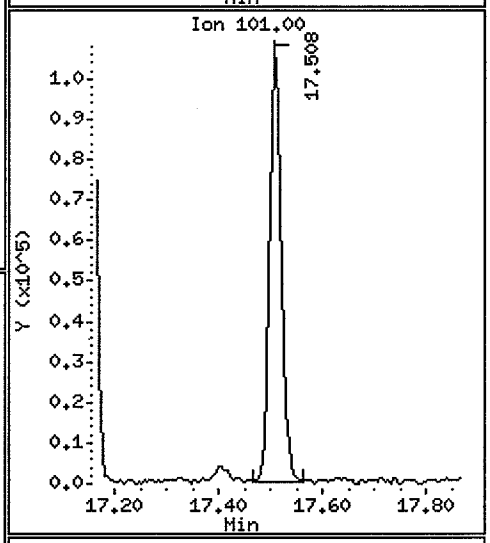


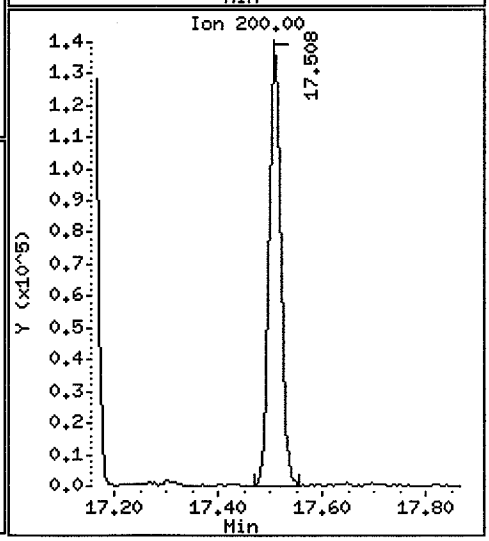












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

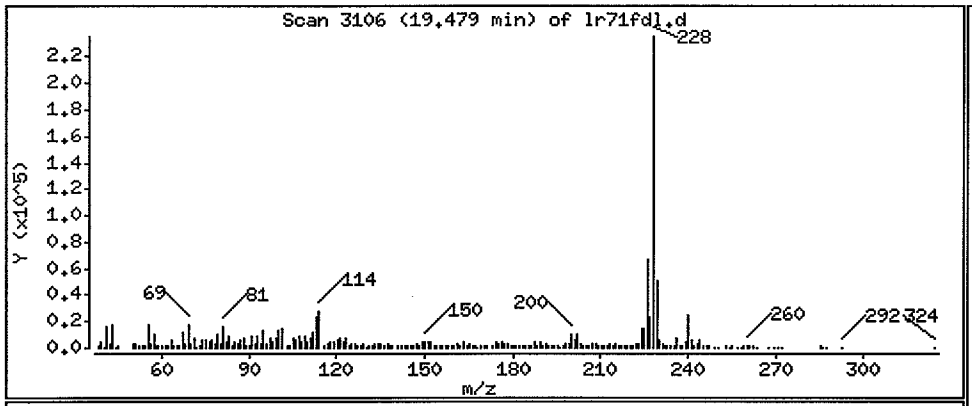
Client ID: AN-SS-11-070928 Instrument: nt6.i

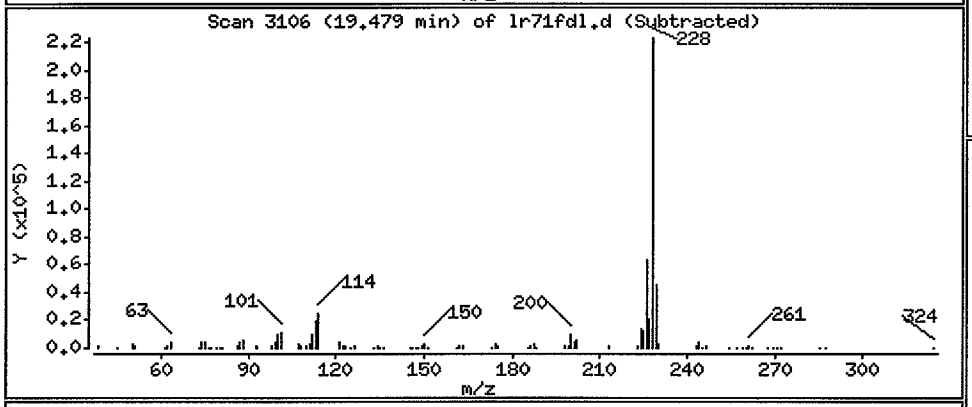
Sample Info: LR71F,3

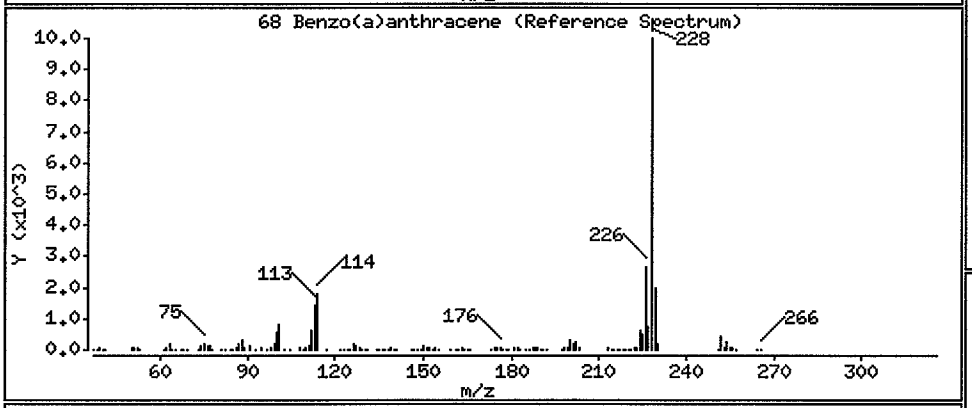
Volume Injected (uL): 1.0 Operator: LJR/VTS

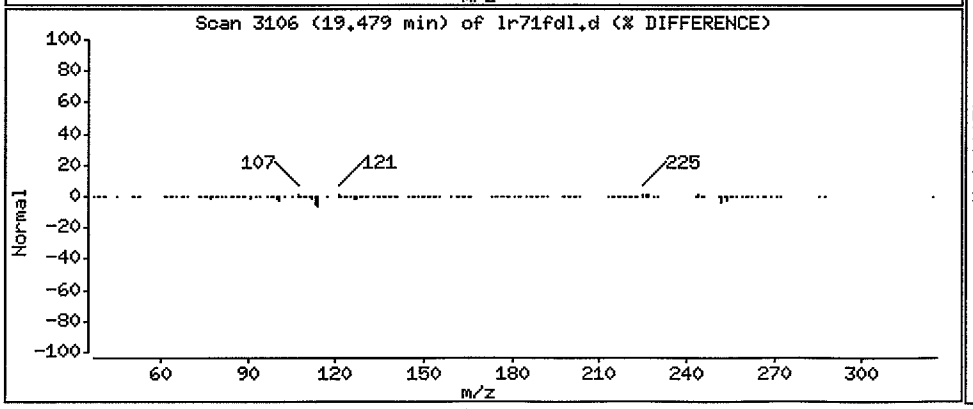
Column phase: ZB-5 Column diameter: 0.32

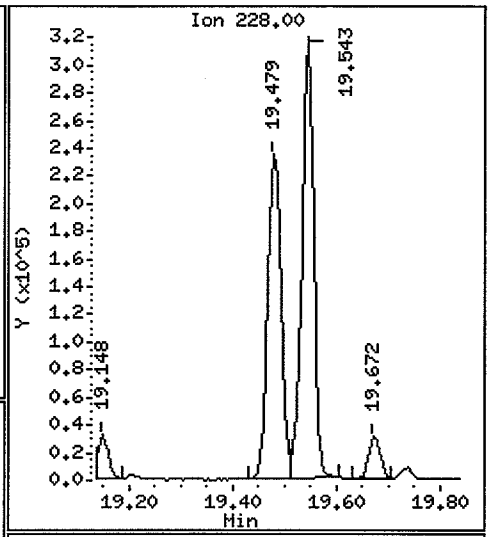
68 Benzo(a)anthracene Concentration: 526.8 ug/kg

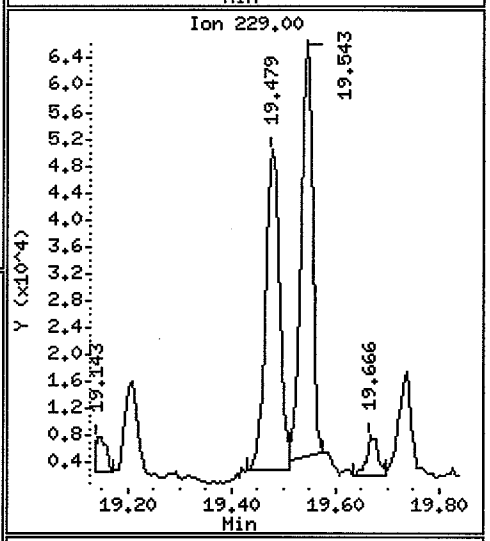


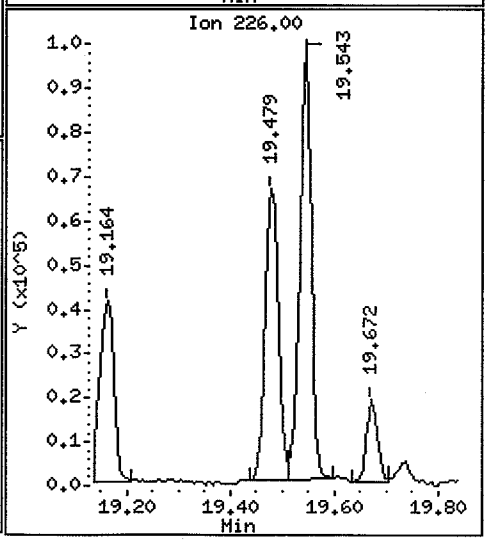












Data File: /chem1/nt6.i/20071019.b/lr71fd1.d

Date : 19-OCT-2007 17:51

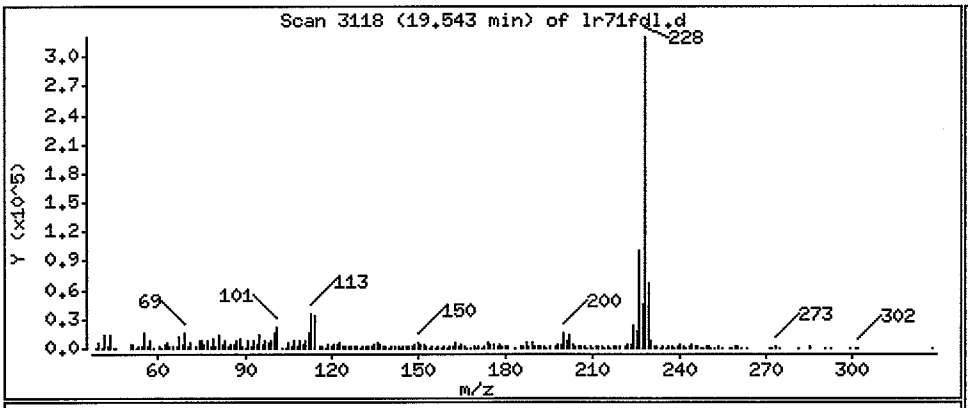
Client ID: AN-SS-11-070928 Instrument: nt6.i

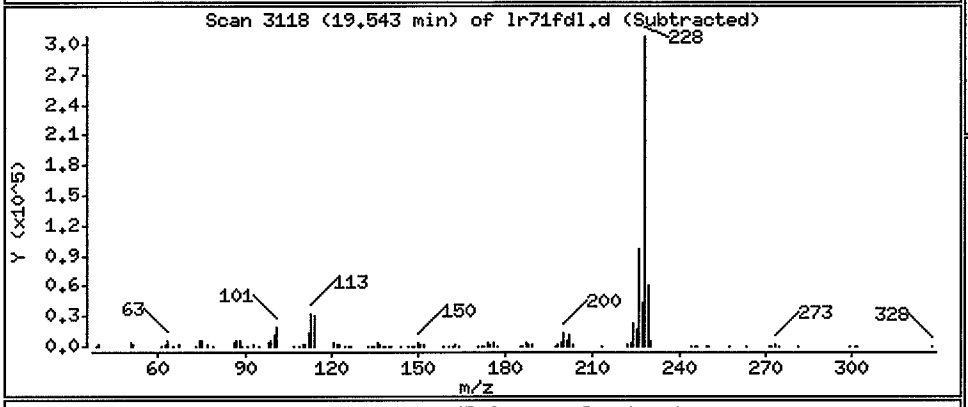
Sample Info: LR71F,3

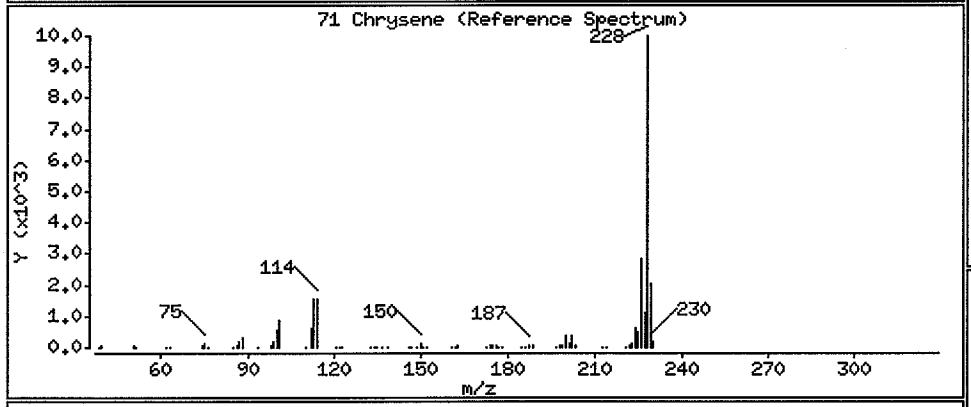
Volume Injected (uL): 1.0 Operator: LJR/VTS

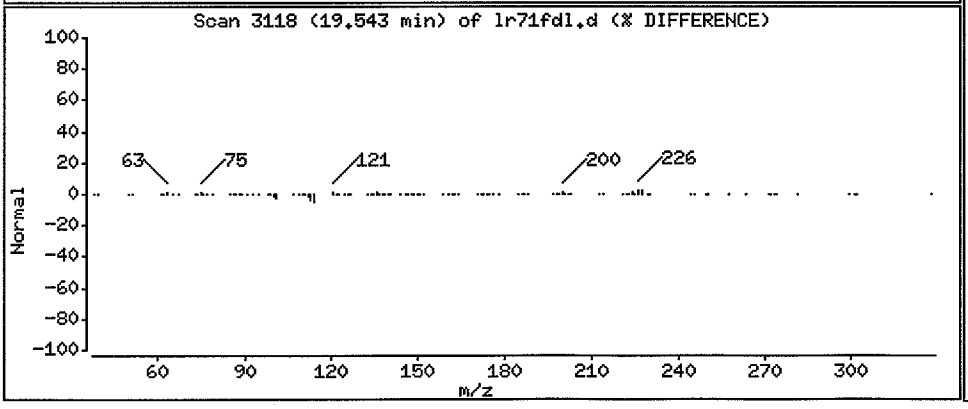
Column phase: ZB-5 Column diameter: 0.32

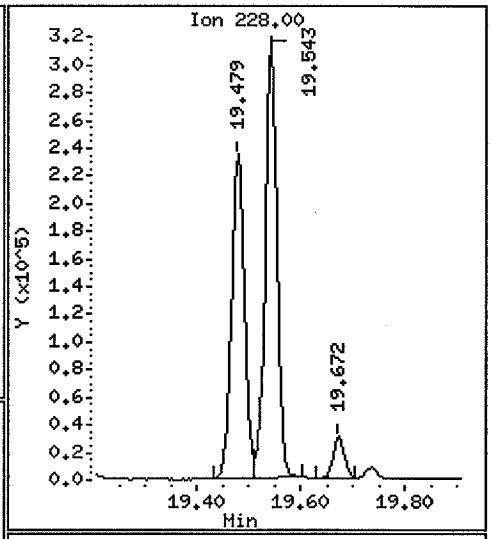
71 Chrysene Concentration: 688.1 ug/kg

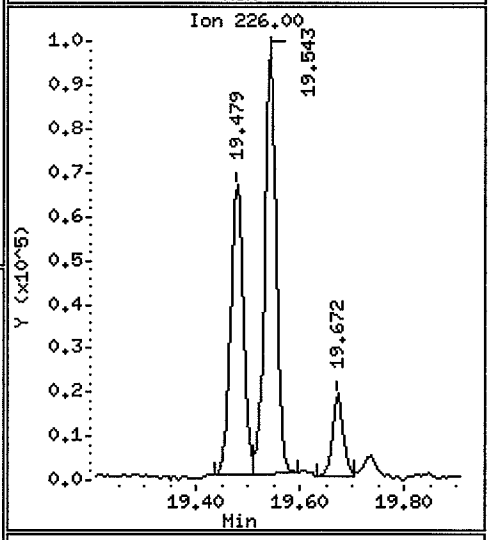


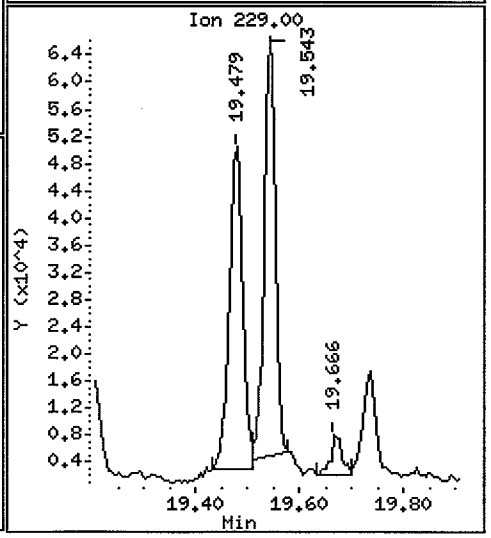












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

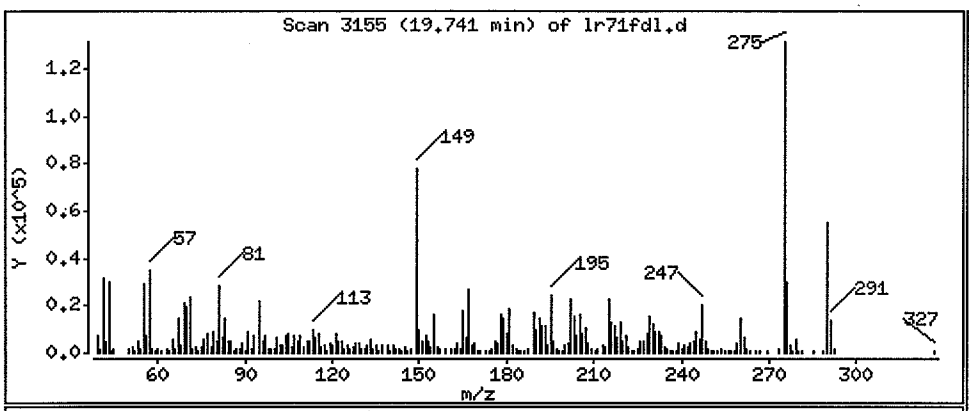
Client ID: AN-SS-11-070928 Instrument: nt6.i

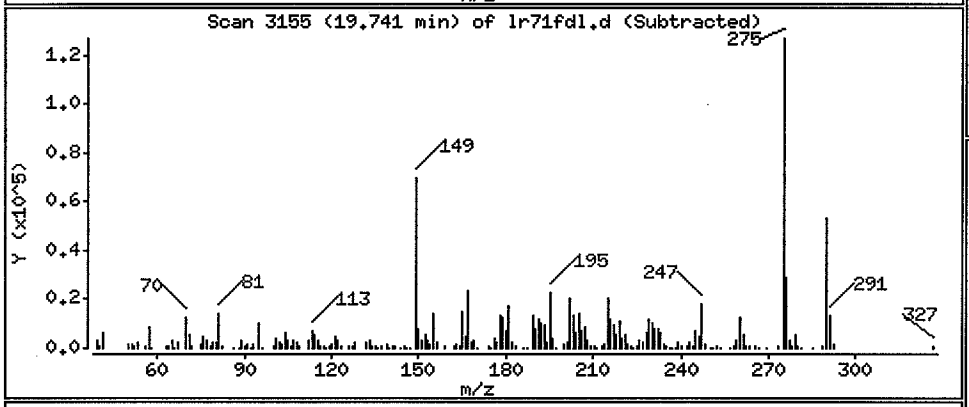
Sample Info: LR71F,3

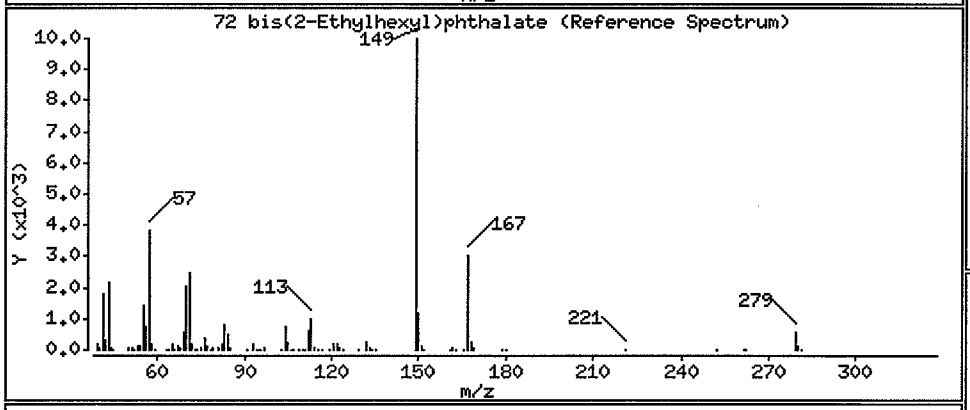
Volume Injected (uL): 1.0 Operator: LJR/VTS

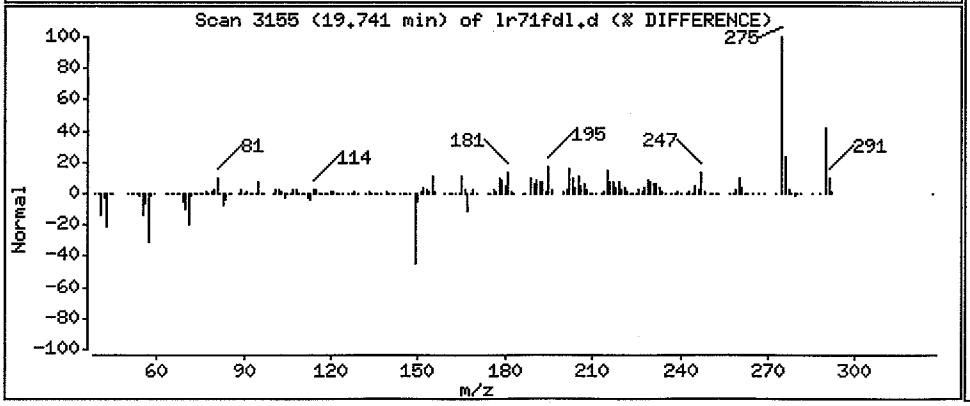
Column phase: ZB-5 Column diameter: 0.32

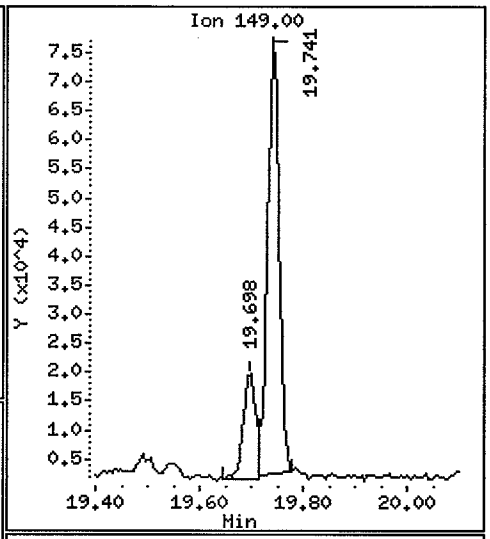
72 bis(2-Ethylhexyl)phthalate Concentration: 265.7 ug/kg

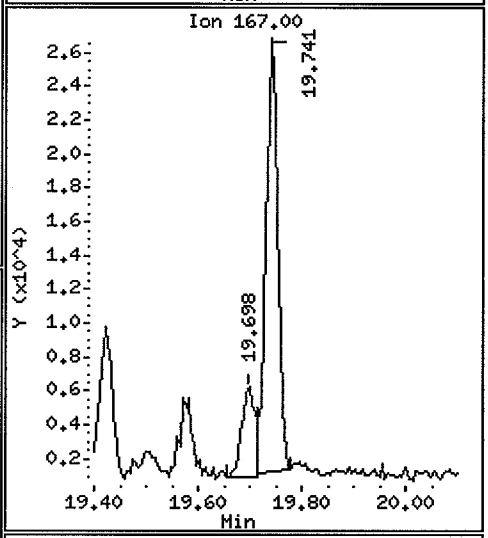


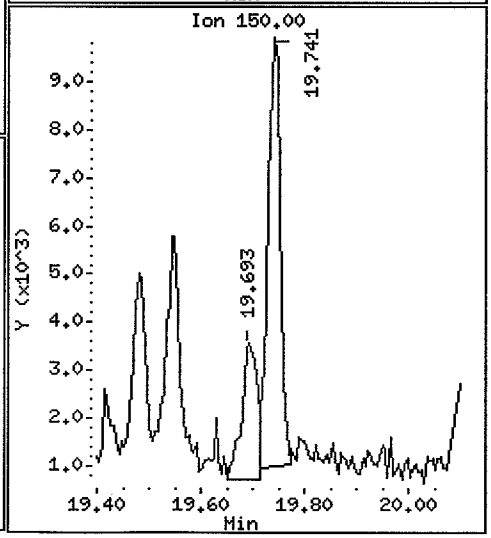












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

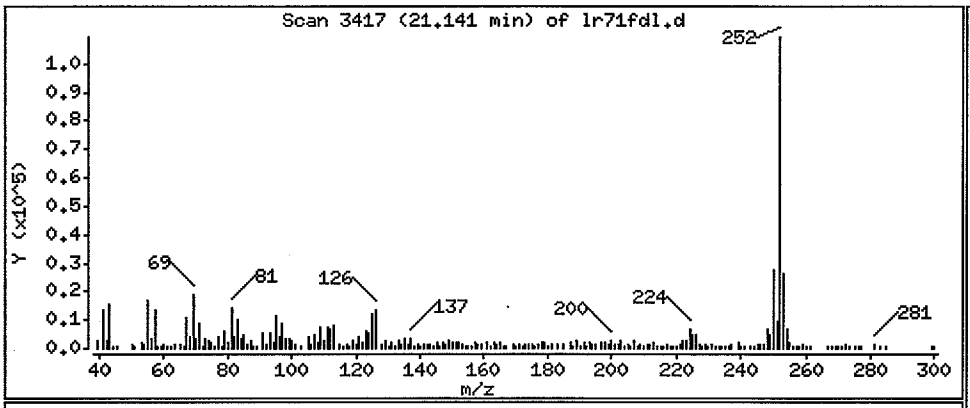
Client ID: AN-SS-11-070928 Instrument: nt6.i

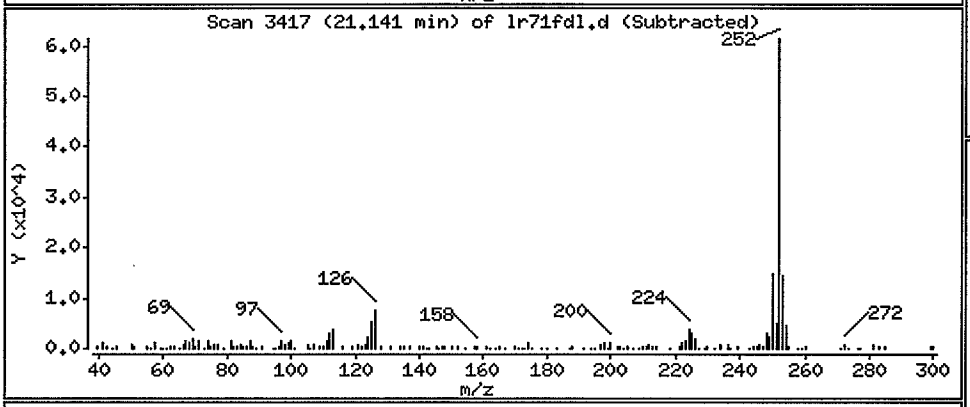
Sample Info: LR71F,3

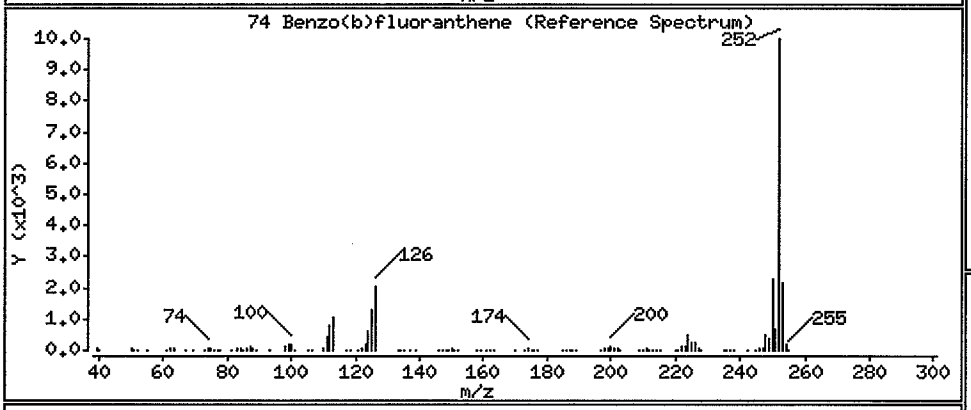
Volume Injected (uL): 1.0 Operator: LJR/VTS

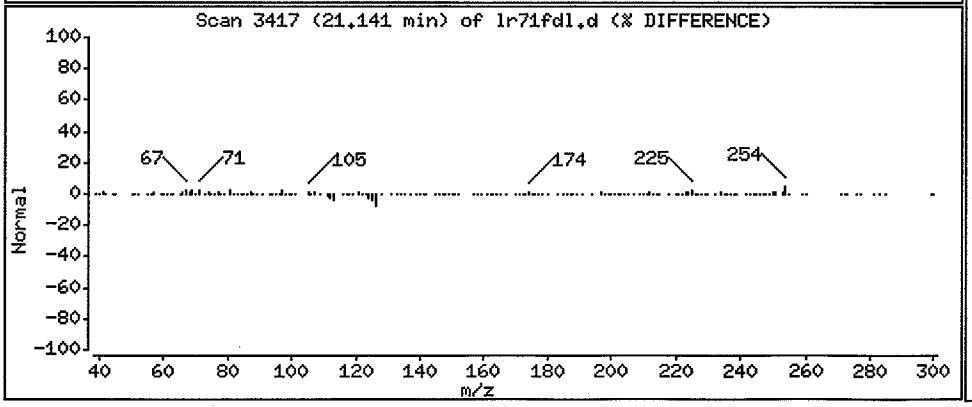
Column phase: ZB-5 Column diameter: 0.32

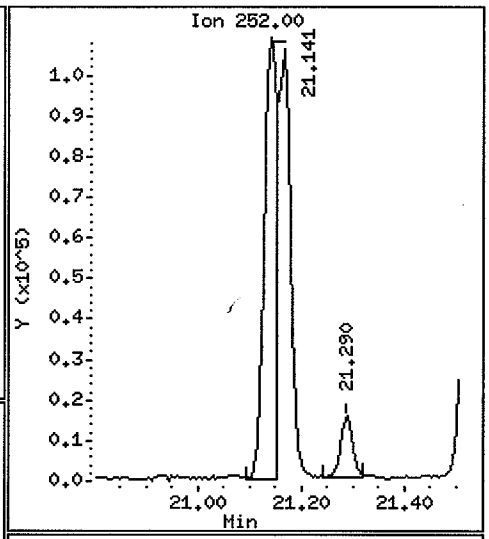
74 Benzo(b)fluoranthene Concentration: 294.1 ug/kg

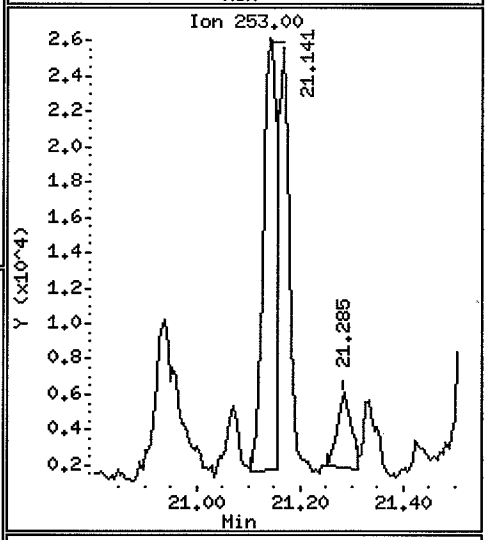


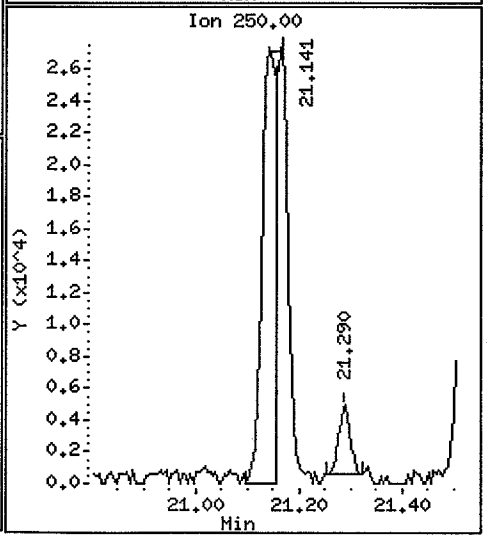












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

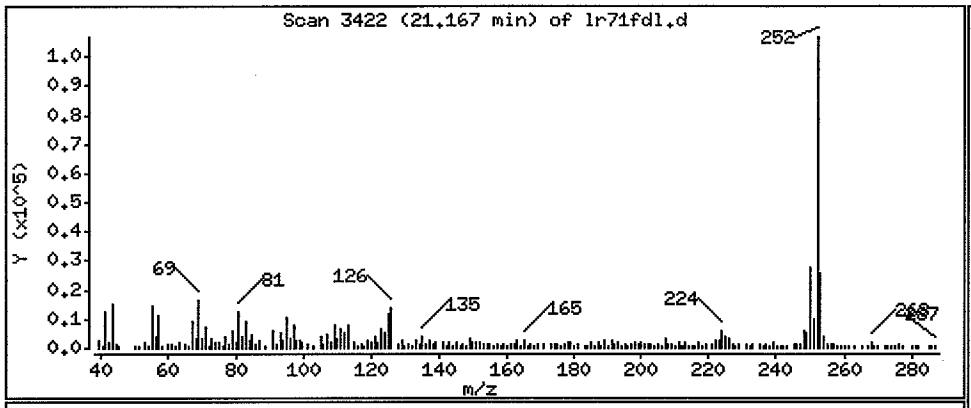
Client ID: AN-SS-11-070928 Instrument: nt6.i

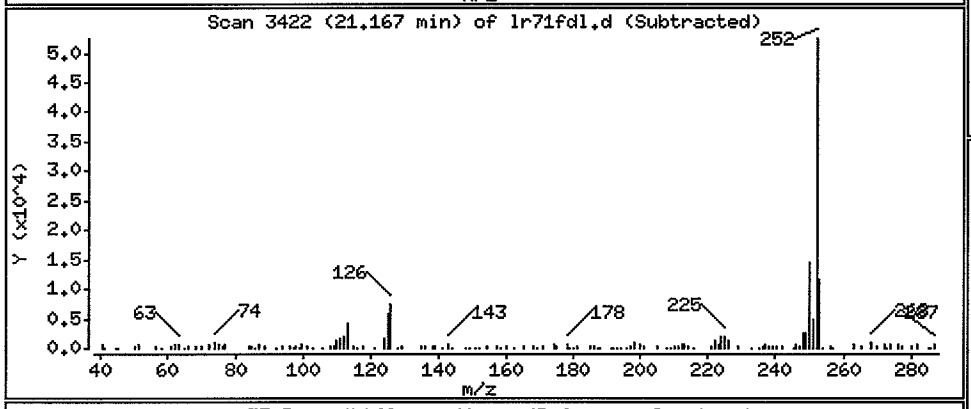
Sample Info: LR71F,3

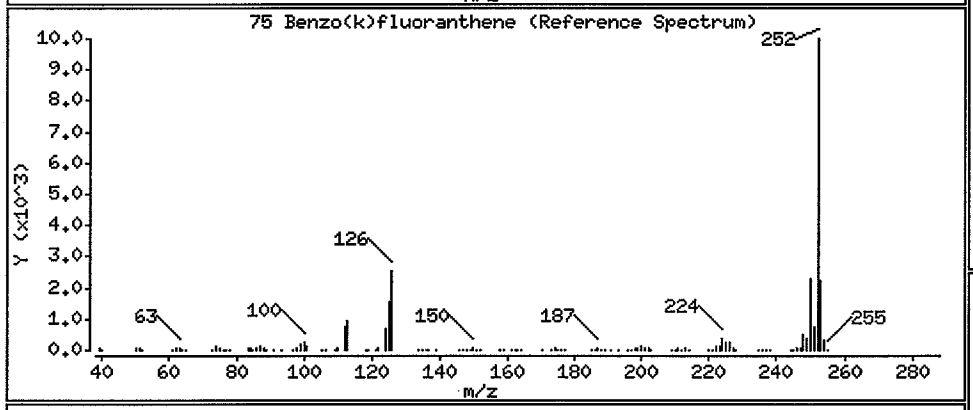
Volume Injected (uL): 1.0 Operator: LJR/VTS

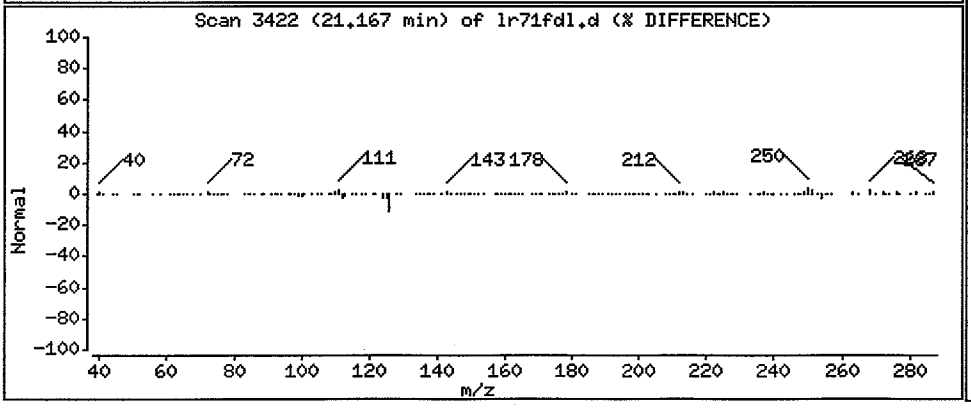
Column phase: ZB-5 Column diameter: 0.32

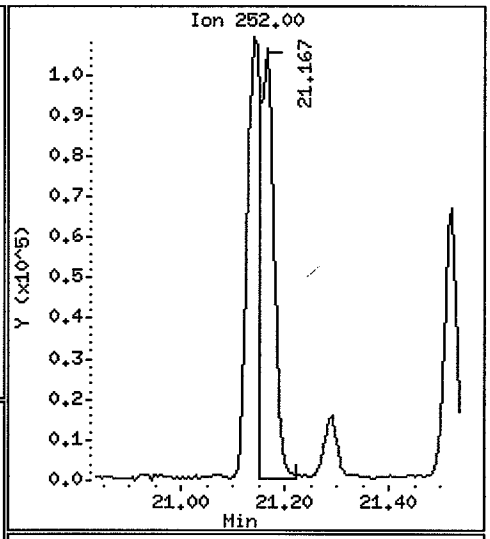
75 Benzo(k)fluoranthene Concentration: 297.3 ug/kg

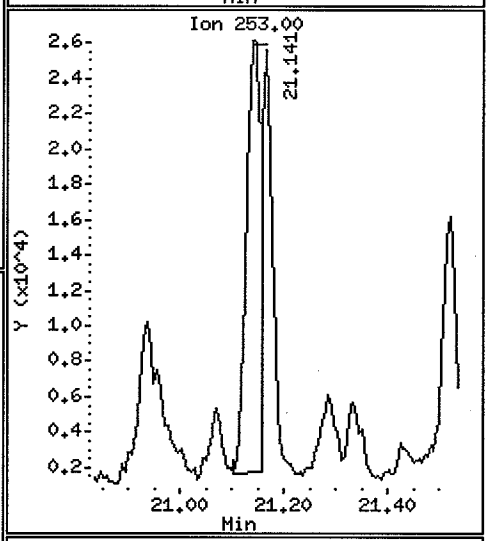


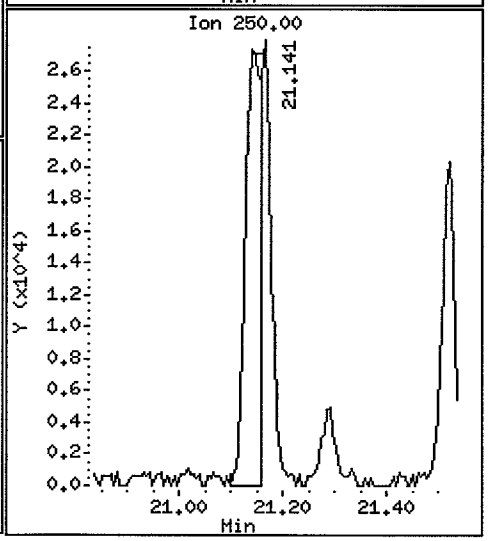












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

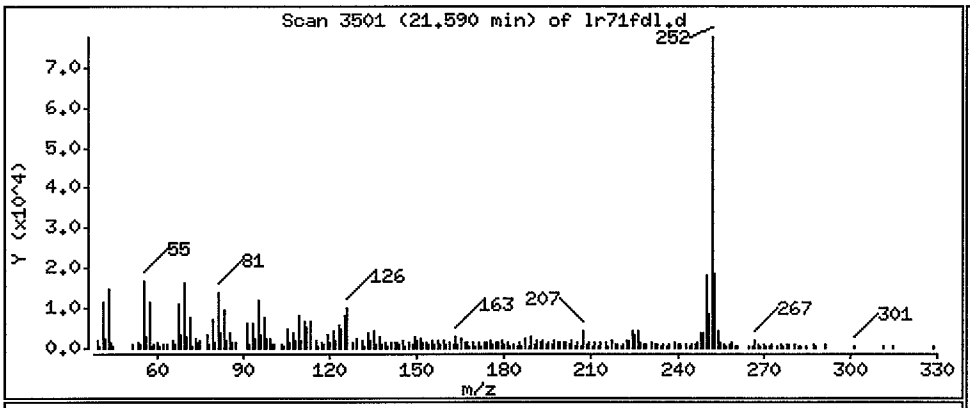
Client ID: AN-SS-11-070928 Instrument: nt6.i

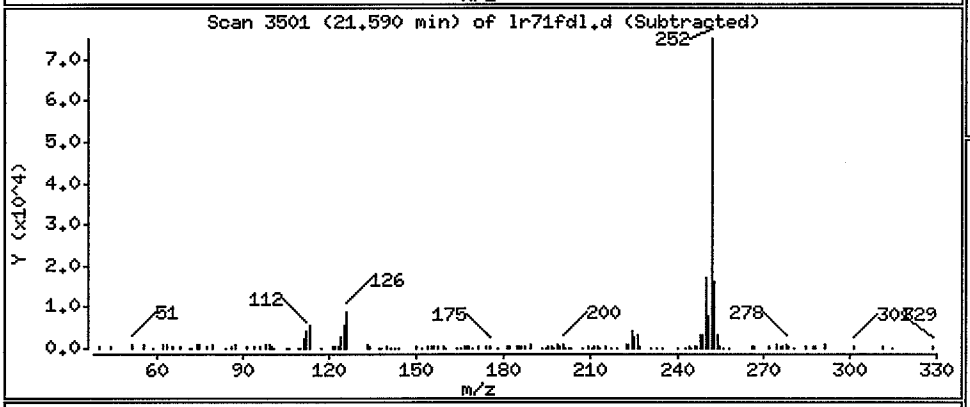
Sample Info: LR71F,3

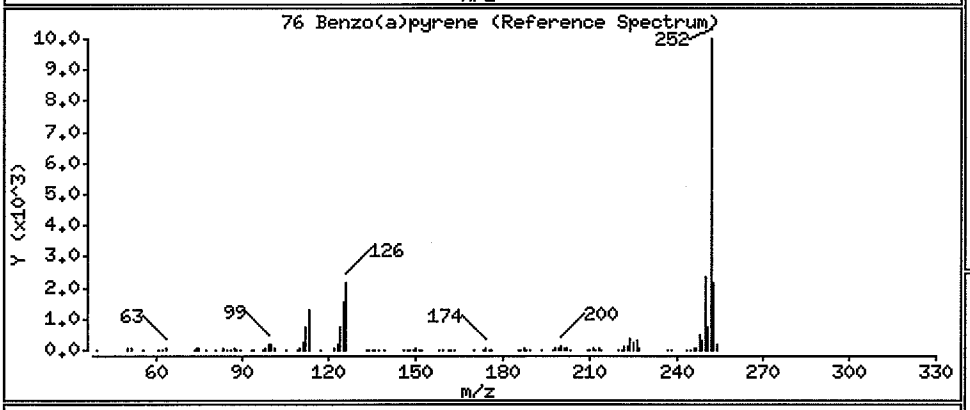
Volume Injected (uL): 1.0 Operator: LJR/VTS

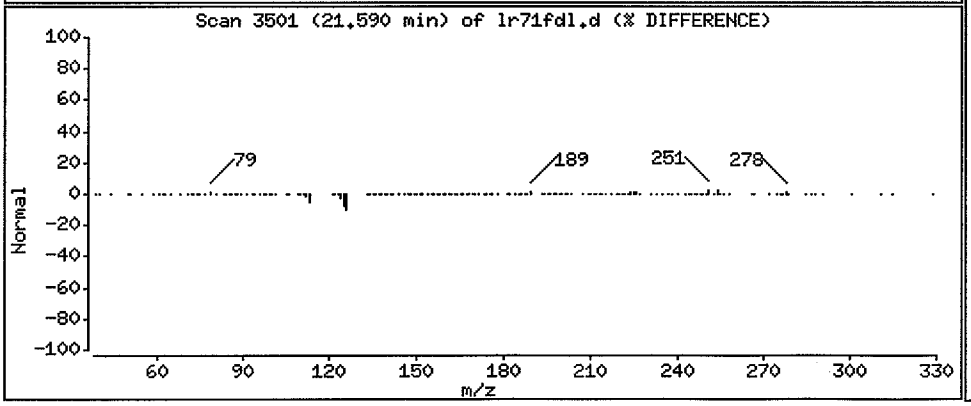
Column phase: ZB-5 Column diameter: 0.32

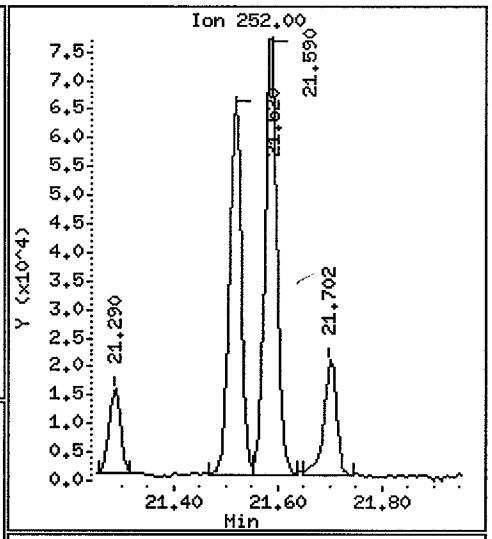
76 Benzo(a)pyrene Concentration: 224.4 ug/kg

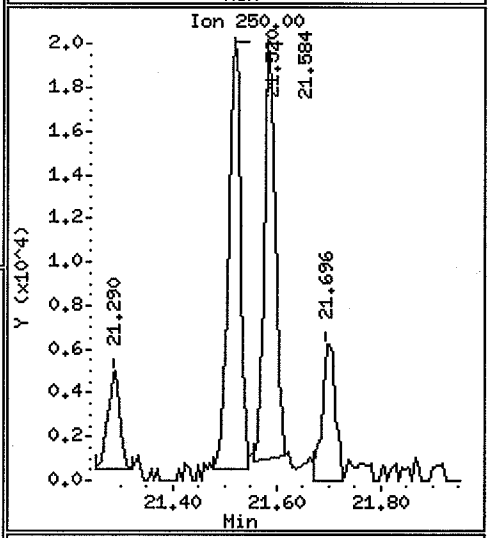


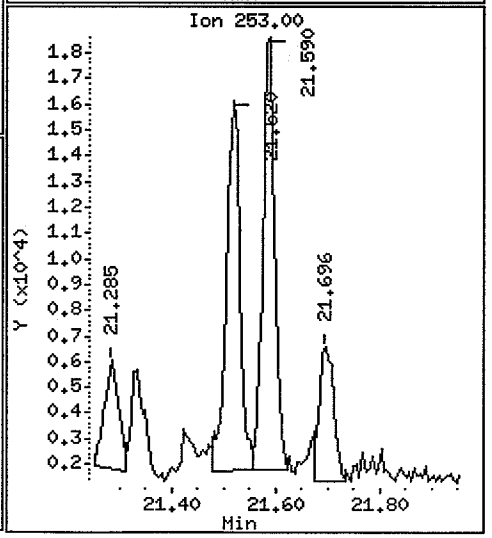












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

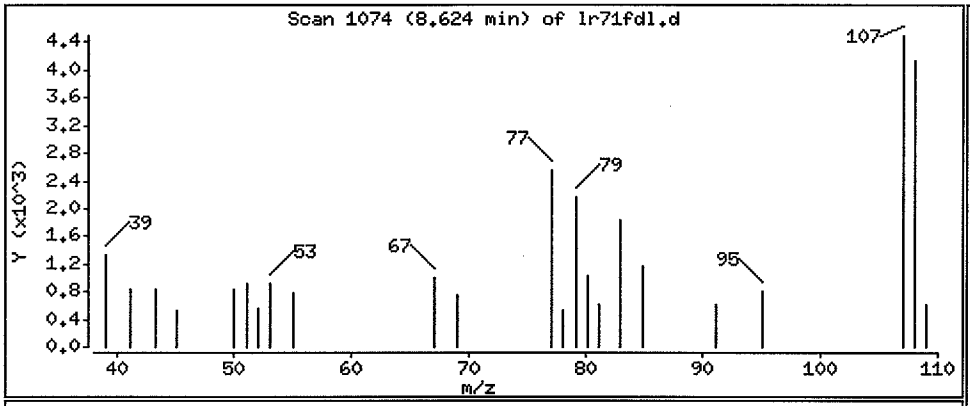
Client ID: AN-SS-11-070928 Instrument: nt6.i

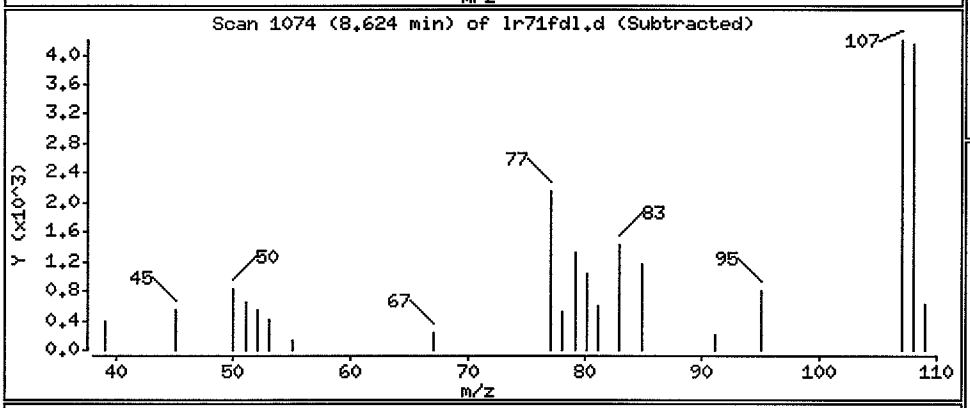
Sample Info: LR71F,3

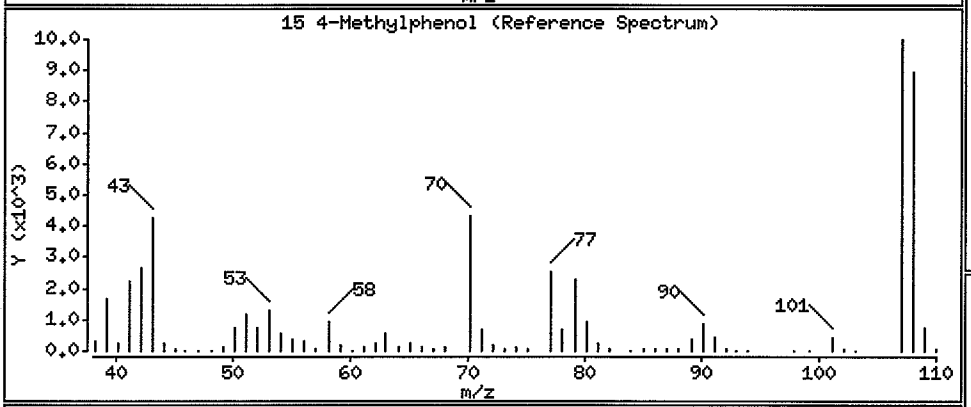
Volume Injected (uL): 1.0 Operator: LJR/VTS

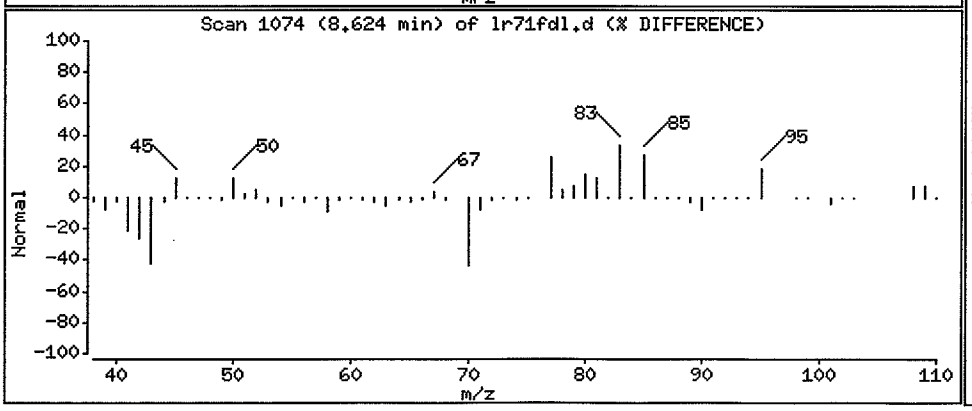
Column phase: ZB-5 Column diameter: 0.32

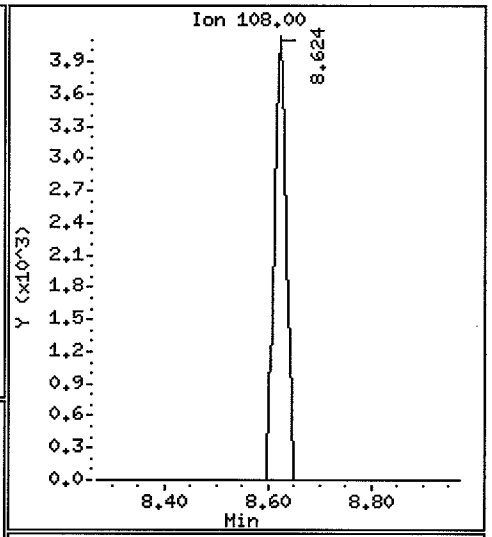
15 4-Methylphenol Concentration: 34.51 ug/kg

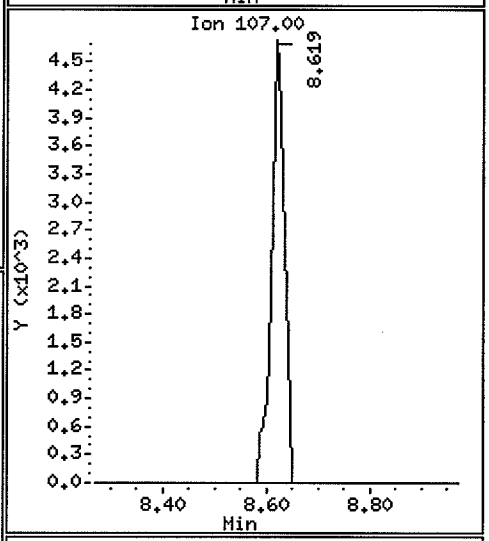


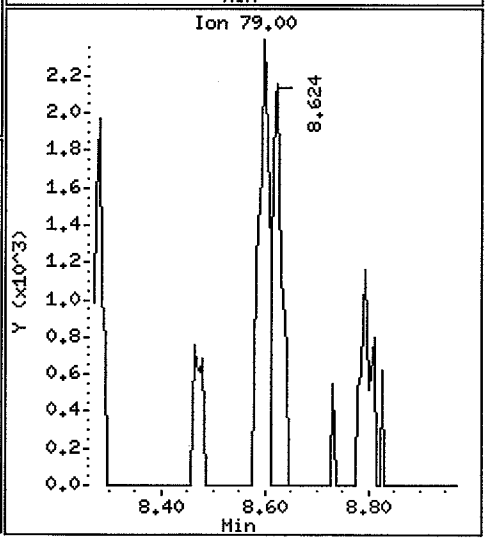












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

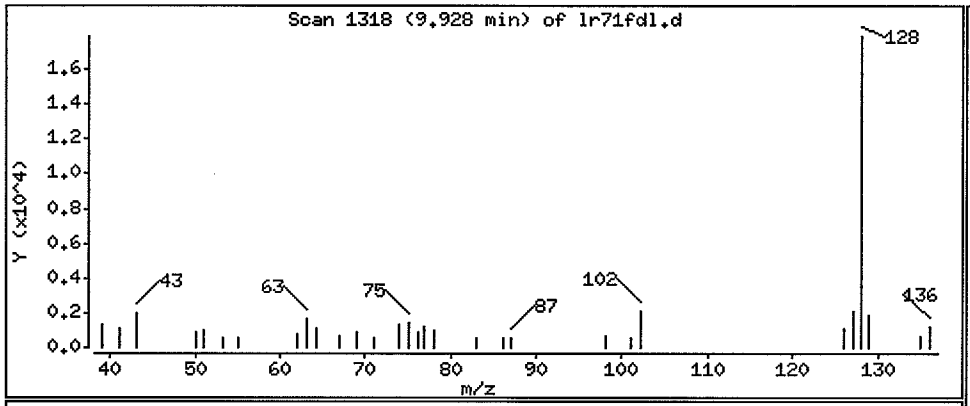
Client ID: AN-SS-11-070928 Instrument: nt6.i

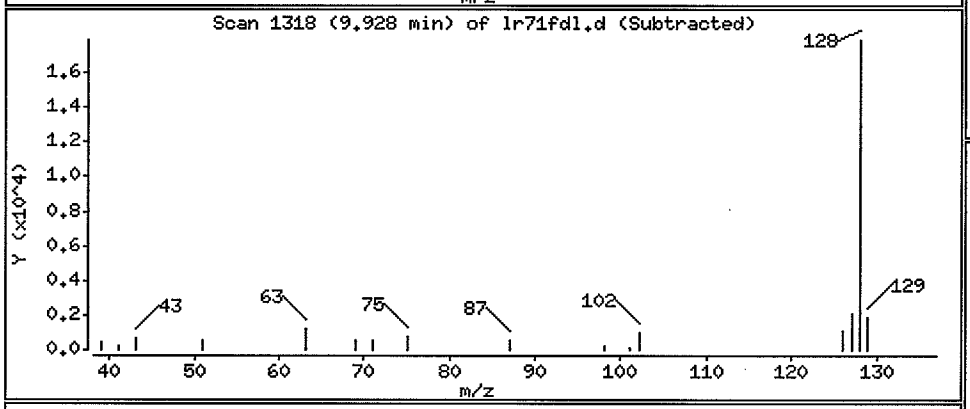
Sample Info: LR71F,3

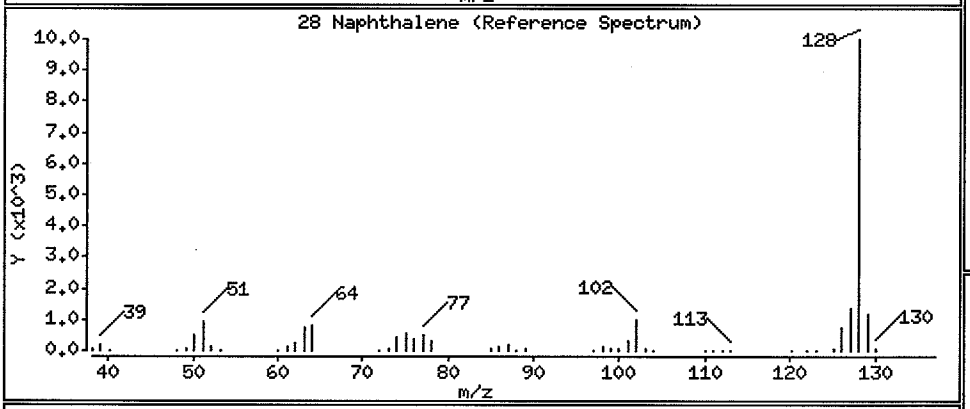
Volume Injected (uL): 1.0 Operator: LJR/VTS

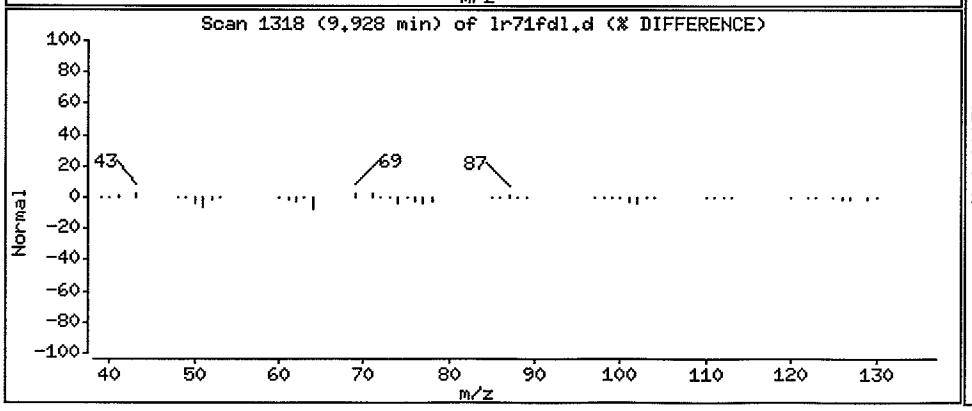
Column phase: ZB-5 Column diameter: 0.32

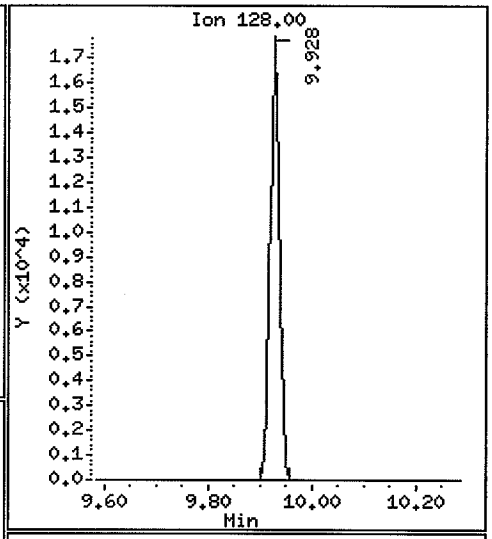
28 Naphthalene Concentration: 43.98 ug/kg

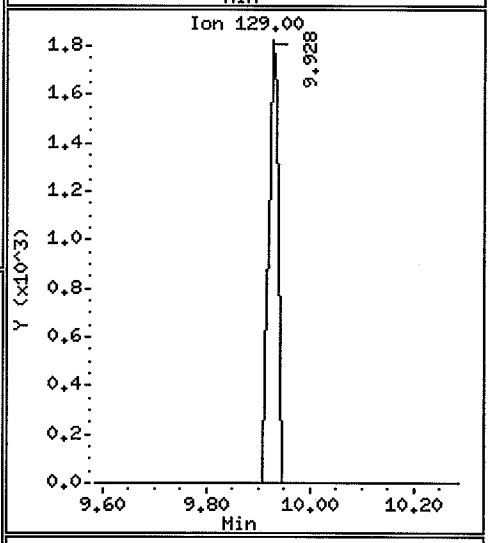


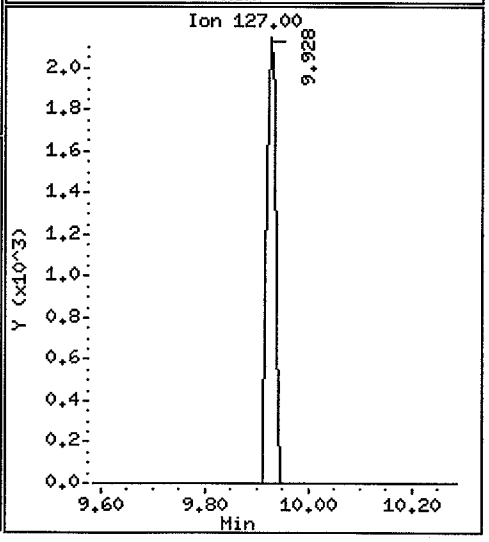












Data File: /chem1/nt6.i/20071019.b/lr71fd1.d

Date : 19-OCT-2007 17:51

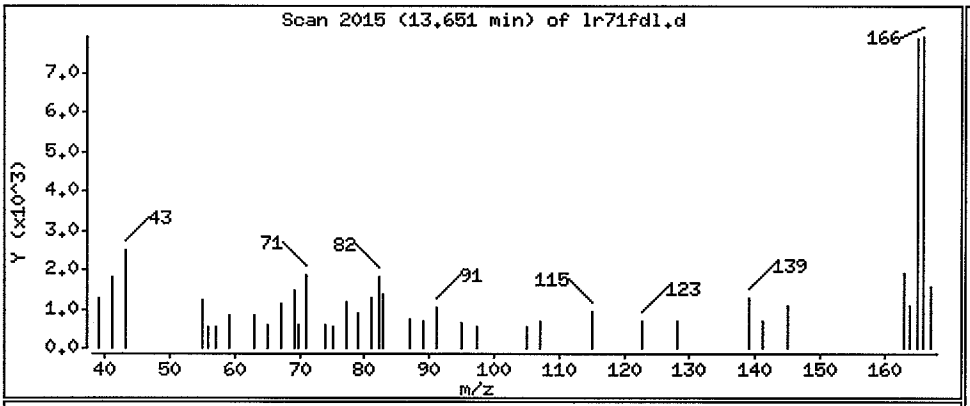
Client ID: AN-SS-11-070928 Instrument: nt6.i

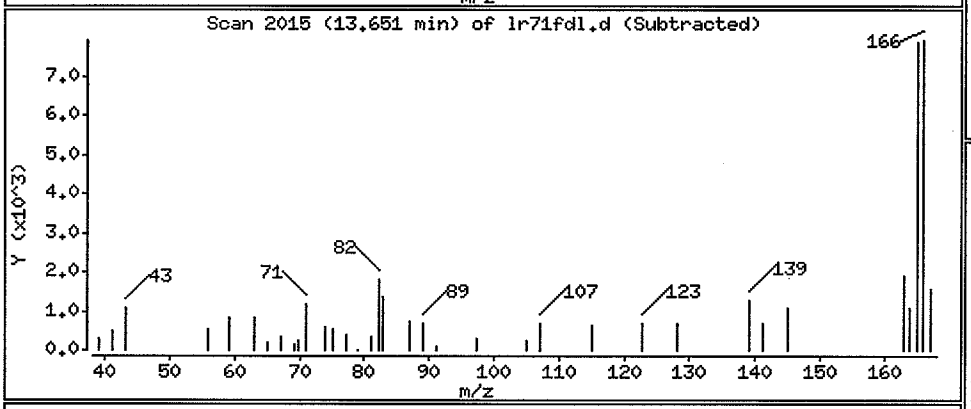
Sample Info: LR71F,3

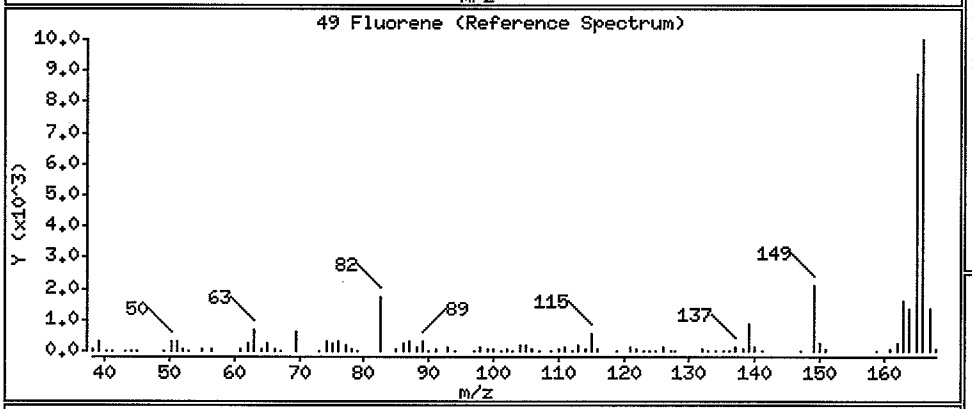
Volume Injected (uL): 1.0 Operator: LJR/VTS

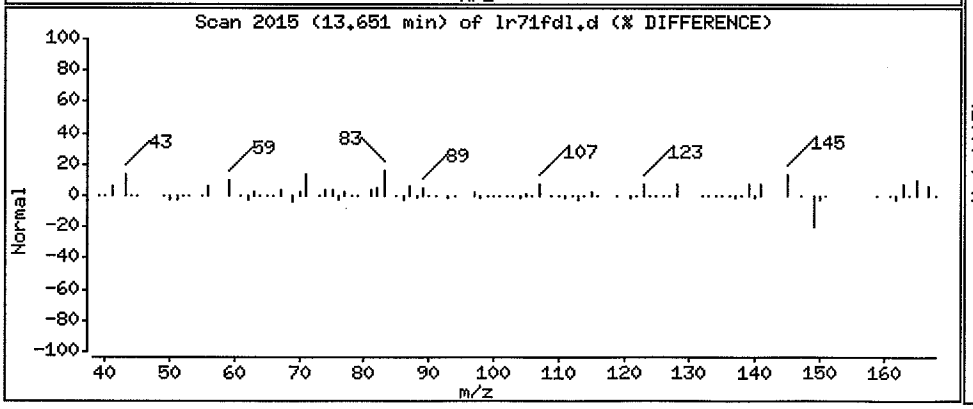
Column phase: ZB-5 Column diameter: 0.32

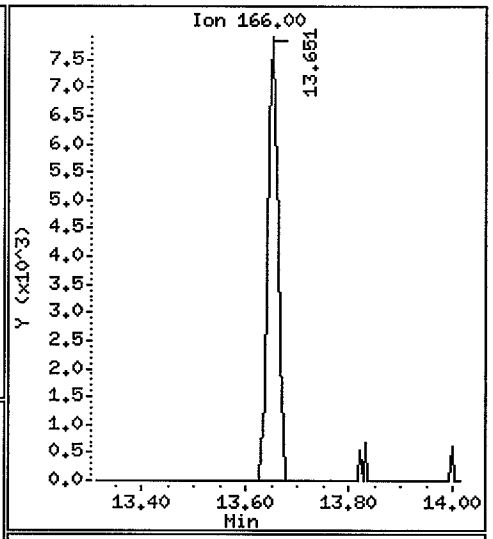
49 Fluorene Concentration: 35.44 ug/kg

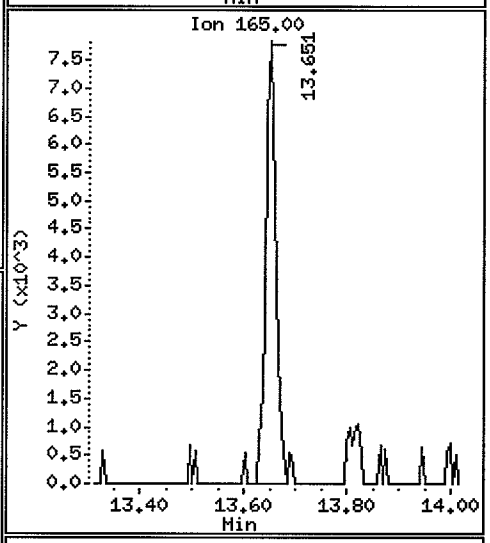


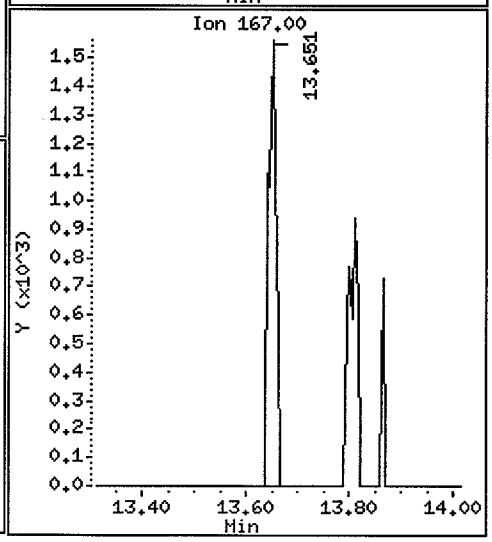












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

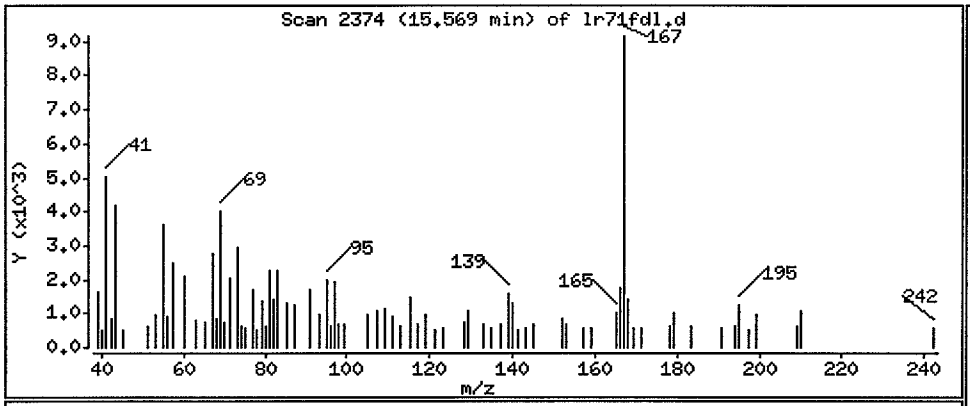
Client ID: AN-SS-11-070928 Instrument: nt6.i

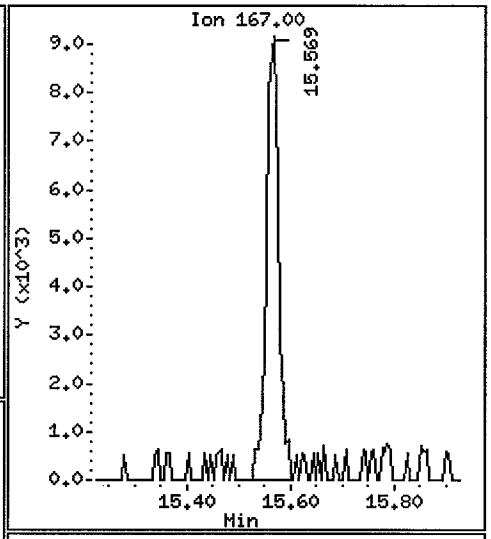
Sample Info: LR71F,3

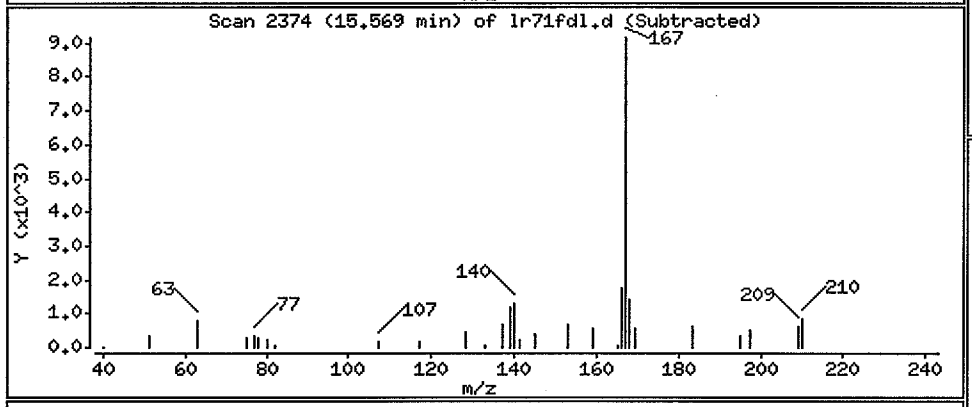
Volume Injected (uL): 1.0 Operator: LJR/VTS

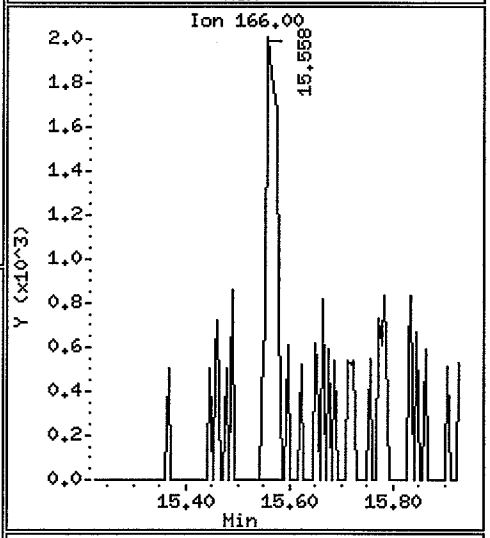
Column phase: ZB-5 Column diameter: 0.32

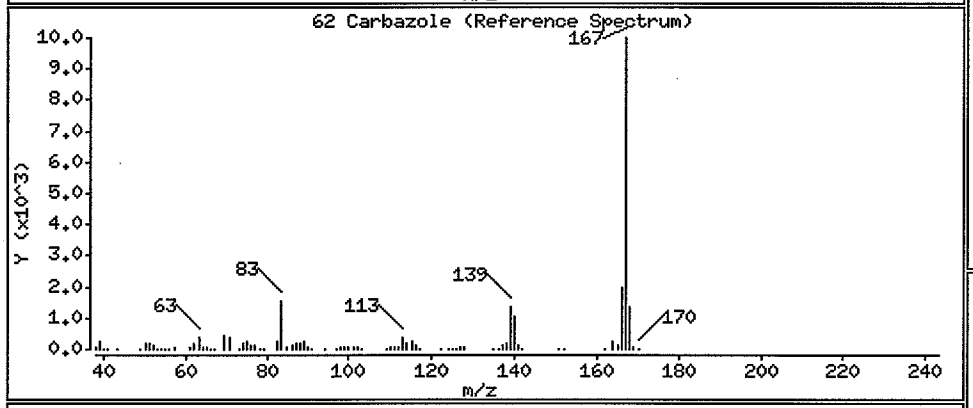
62 Carbazole Concentration: 35.71 ug/kg

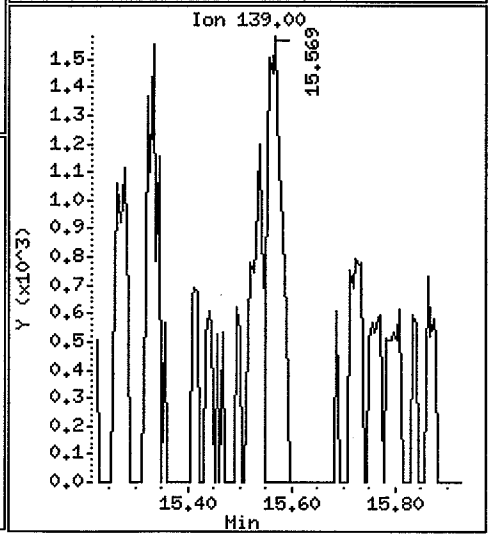


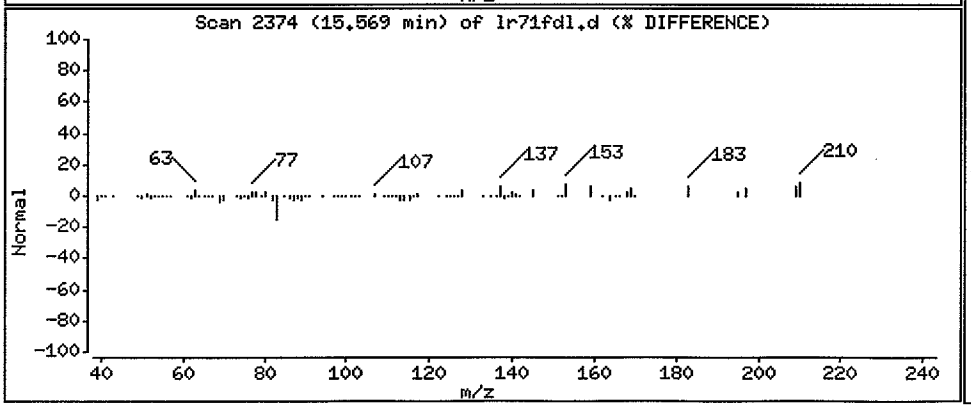












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F,3

Volume Injected (uL): 1.0

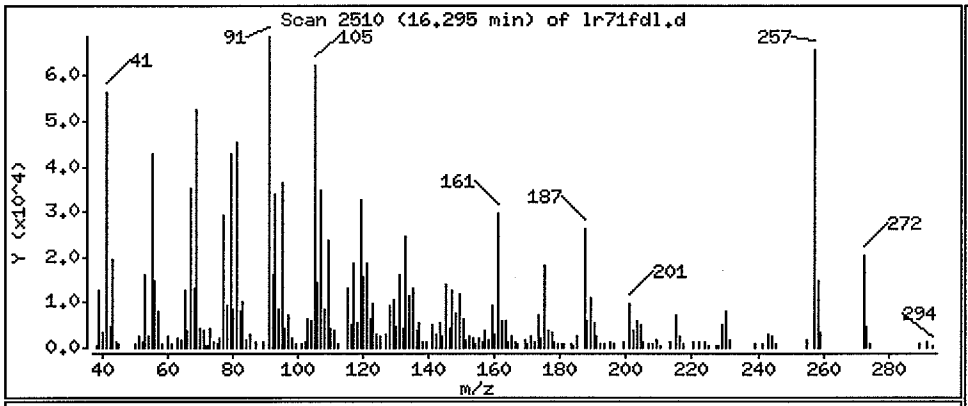
Operator: LJR/VTS

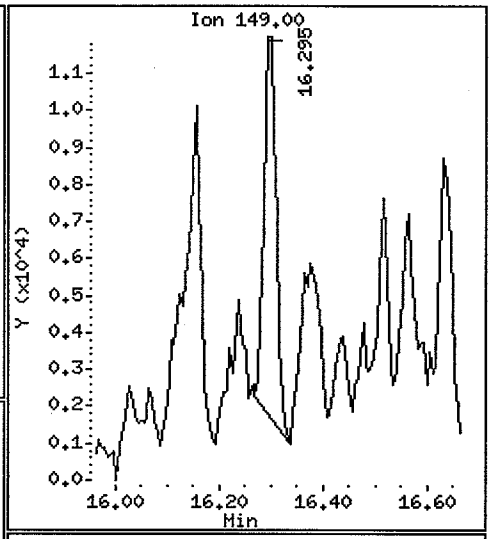
Column phase: ZB-5

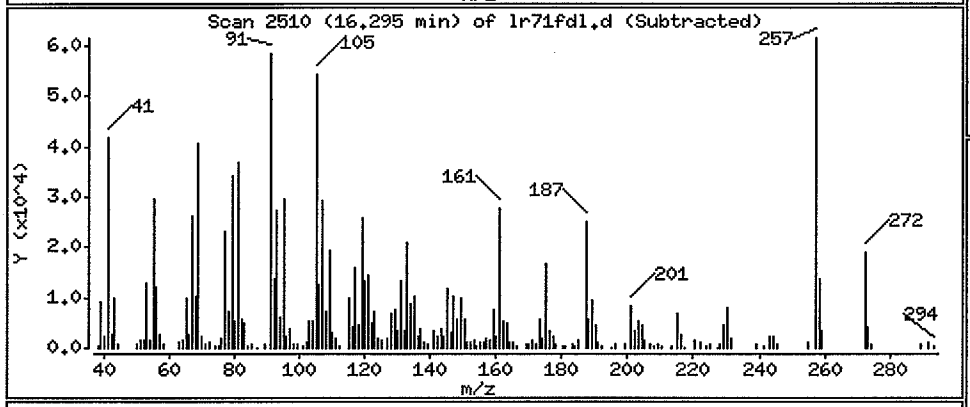
Column diameter: 0.32

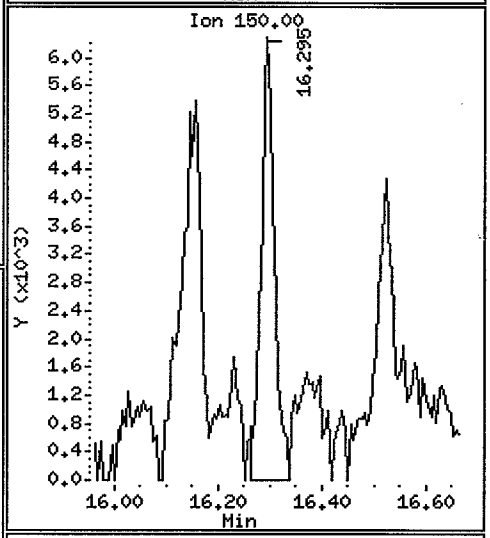
63 Di-n-butylphthalate

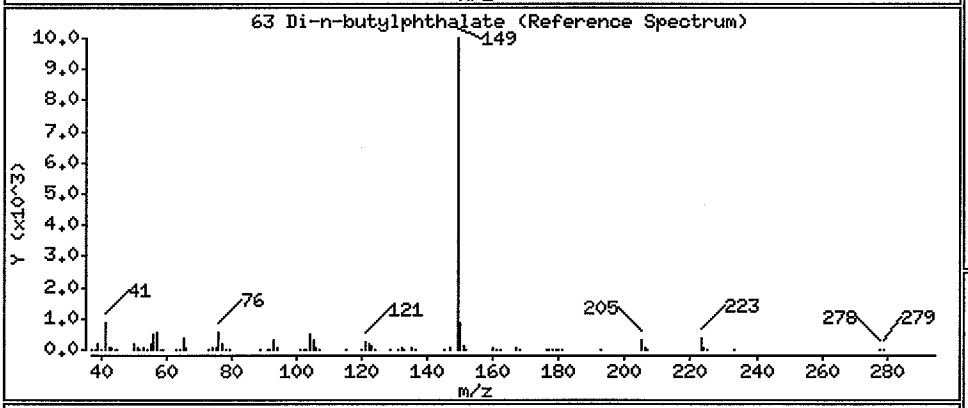
Concentration: 34.50 ug/kg

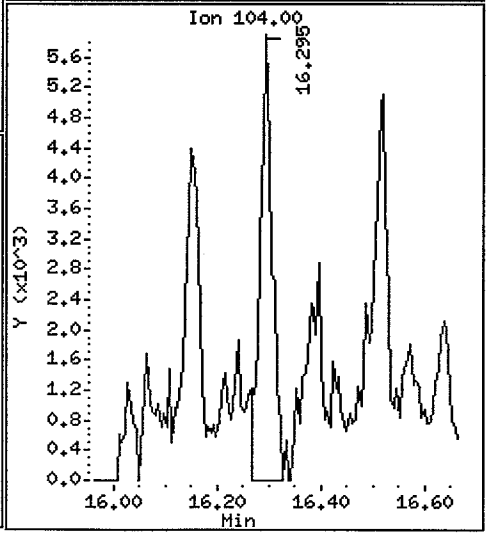


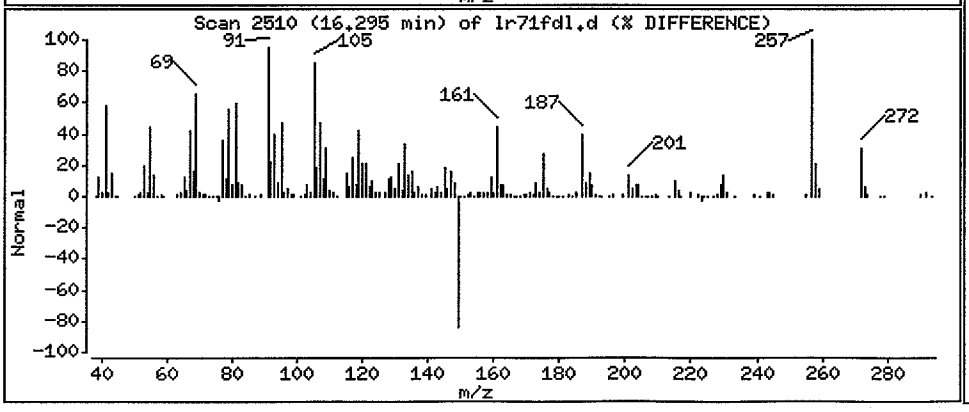












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

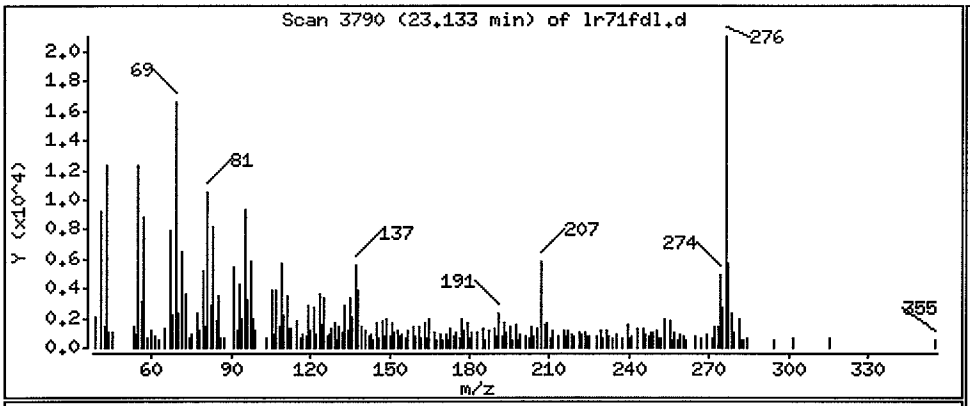
Client ID: AN-SS-11-070928 Instrument: nt6.i

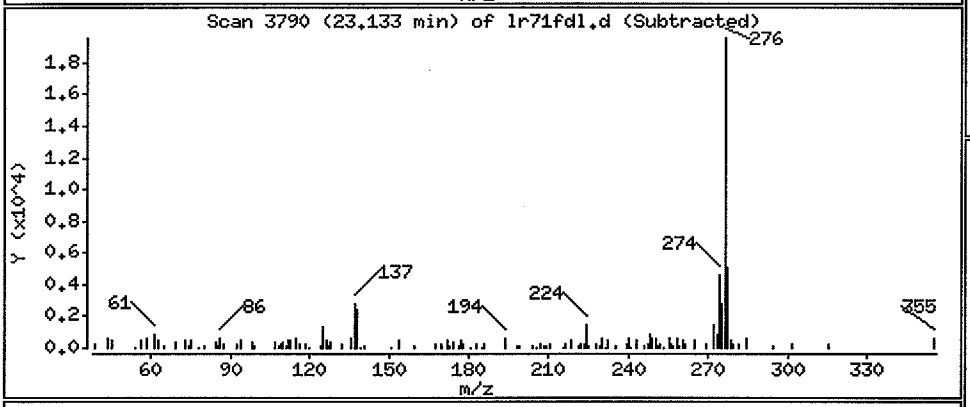
Sample Info: LR71F,3

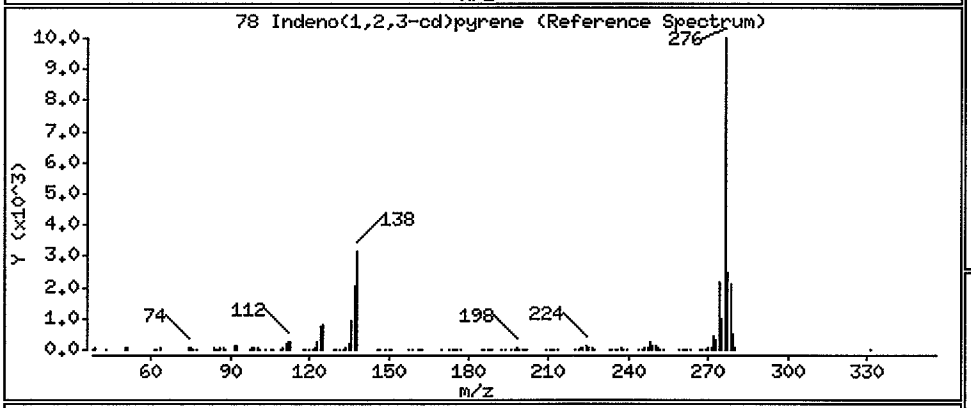
Volume Injected (uL): 1.0 Operator: LJR/VTS

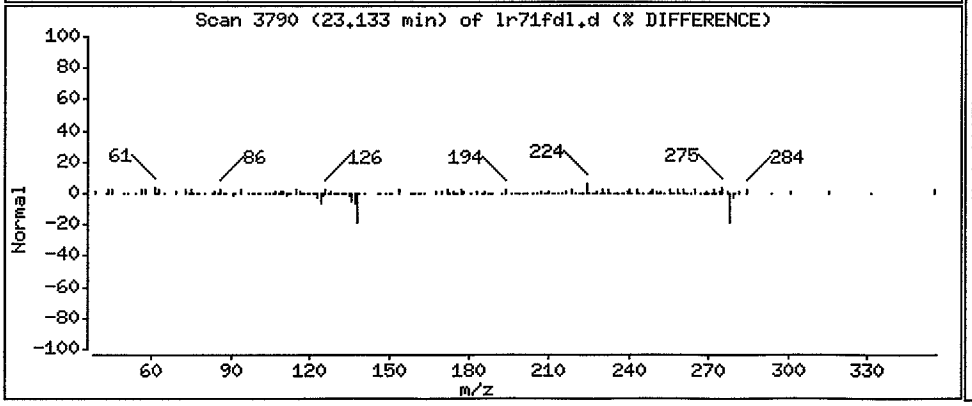
Column phase: ZB-5 Column diameter: 0.32

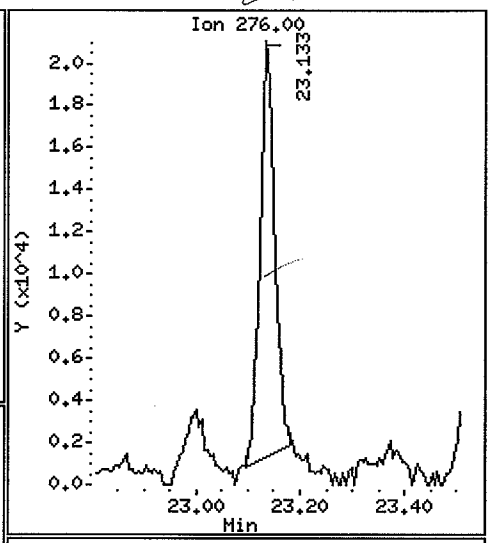
78 Indeno(1,2,3-cd)pyrene Concentration: 57.91 ug/kg

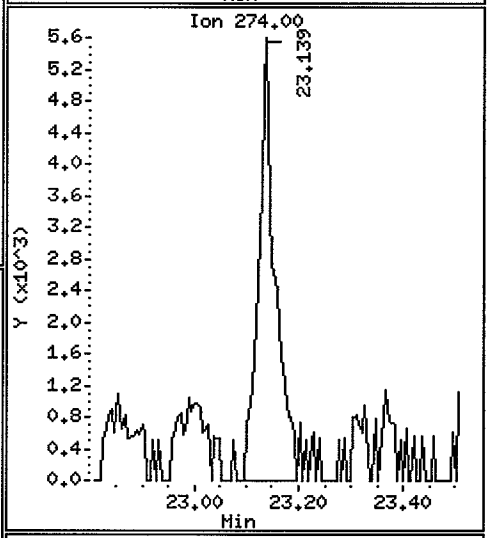


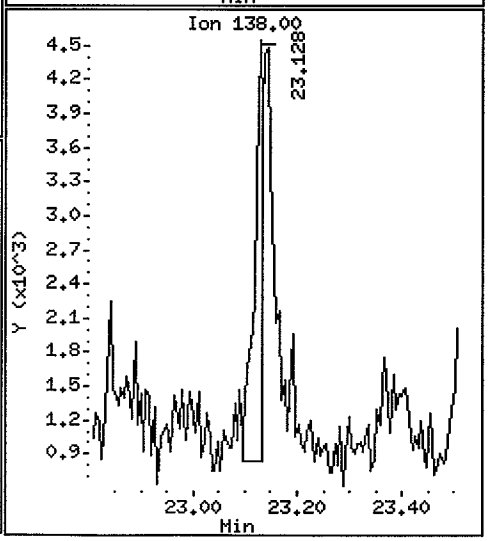












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

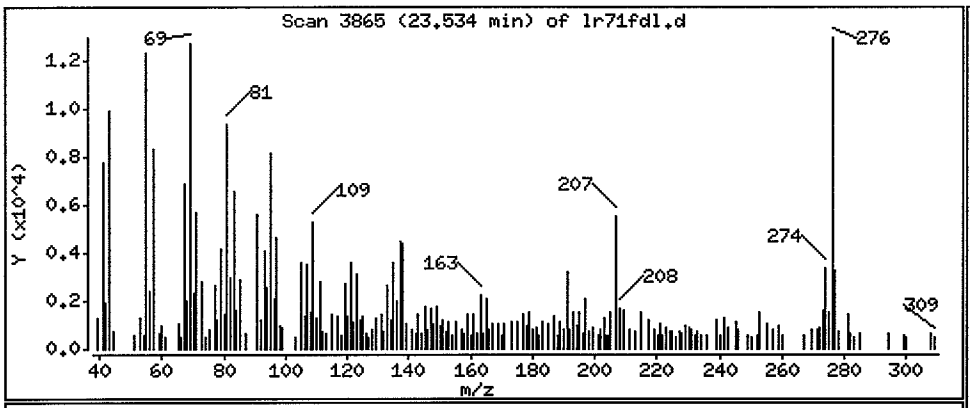
Client ID: AN-SS-11-070928 Instrument: nt6.i

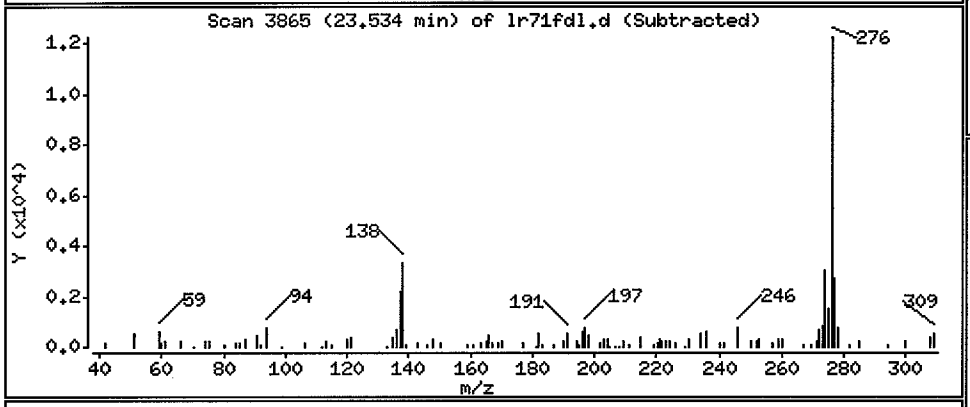
Sample Info: LR71F,3

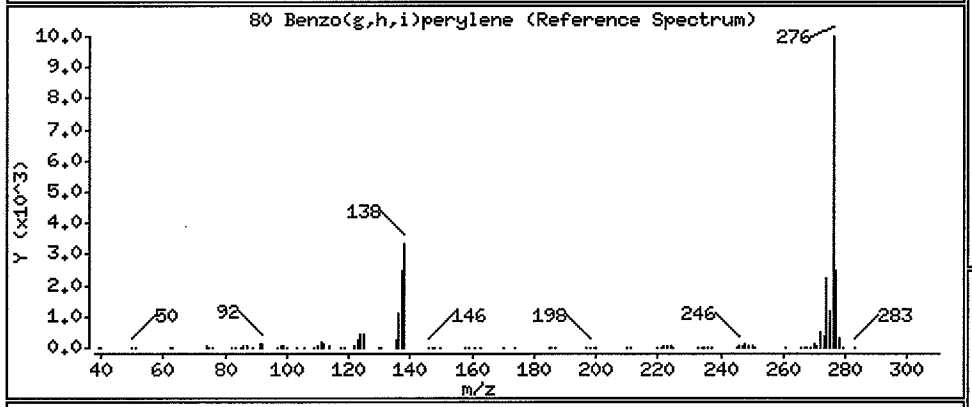
Volume Injected (uL): 1.0 Operator: LJR/VTS

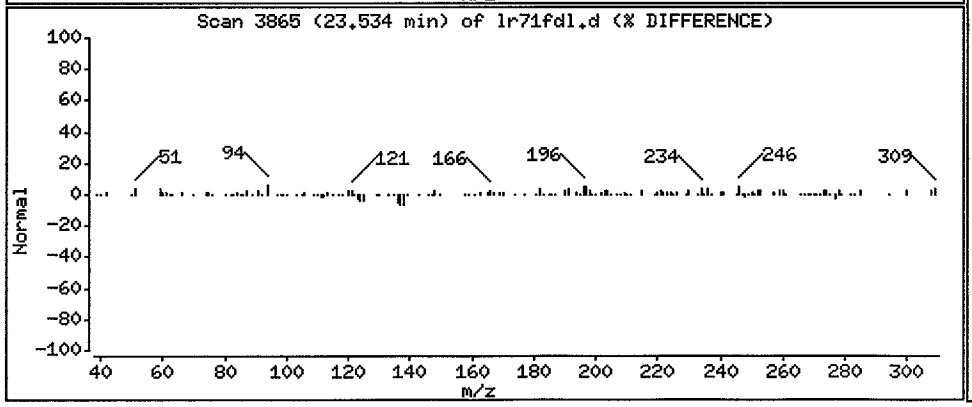
Column phase: ZB-5 Column diameter: 0.32

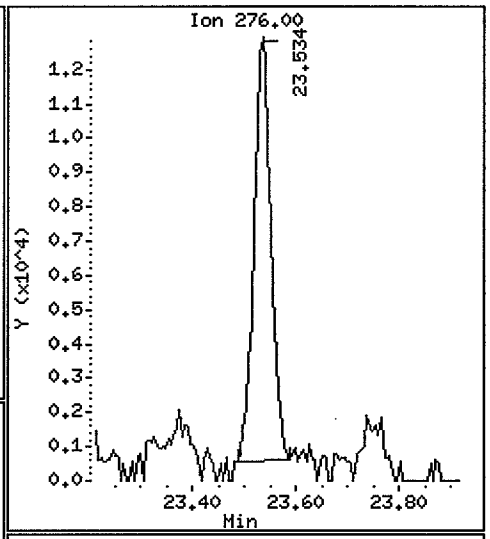
80 Benzo(g,h,i)perylene Concentration: 42.44 ug/kg

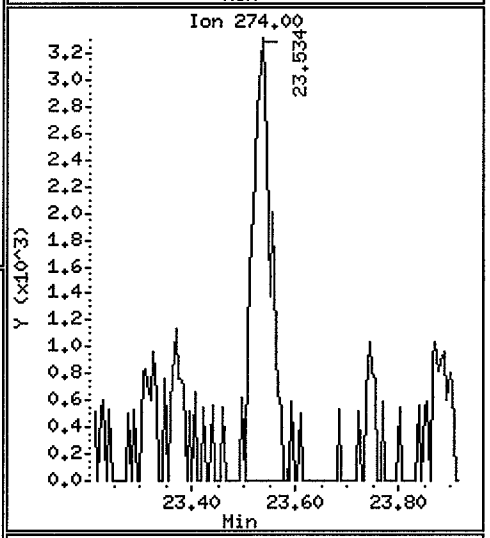


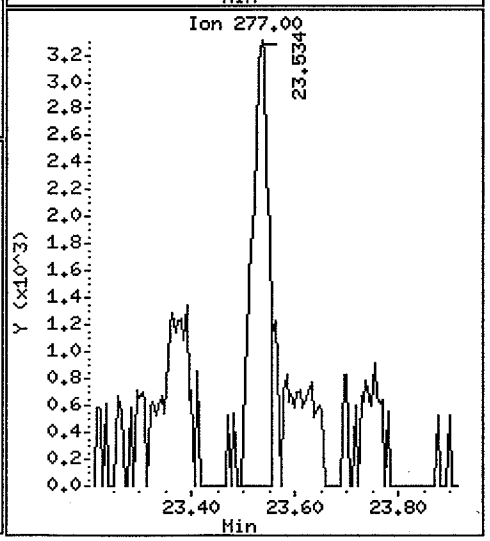












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-11-070928**
Page 1 of 2 **REEXTRACT**

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 20:18
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 32.9%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**24**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**66**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	**Naphthalene**	**20**	**100**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	**2-Methylnaphthalene**	**20**	**31**
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	**Acenaphthylene**	**20**	**32**
83-32-9	**Acenaphthene**	**20**	**32**
132-64-9	**Dibenzofuran**	**20**	**37**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**50**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	**Phenanthrene**	**20**	**420**
120-12-7	**Anthracene**	**20**	**92**
84-74-2	Di-n-Butylphthalate	42	< 42 Y
206-44-0	**Fluoranthene**	**20**	**840**
129-00-0	**Pyrene**	**20**	**550**
85-68-7	Butylbenzylphthalate	45	< 45 Y
56-55-3	**Benzo(a)anthracene**	**20**	**190**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**280 B**
218-01-9	**Chrysene**	**20**	**250**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**160**
207-08-9	**Benzo(k)fluoranthene**	**20**	**180**
50-32-8	**Benzo(a)pyrene**	**20**	**170**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**66**
53-70-3	**Dibenz(a,h)anthracene**	**20**	**27**
191-24-2	**Benzo(g,h,i)perylene**	**20**	**43**

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-11-070928
REEXTRACT

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Date Analyzed: 11/01/07 20:18

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	22

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	60.4%	2-Fluorobiphenyl	64.0%
d14-p-Terphenyl	60.8%	d4-1,2-Dichlorobenzene	56.8%
d5-Phenol	62.7%	2-Fluorophenol	49.1%
2,4,6-Tribromophenol	65.6%	d4-2-Chlorophenol	61.1%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071101.b/lr71f2.d
Lab Smp Id: LR71FRE
Inj Date : 01-NOV-2007 20:18
Operator : VTS Inst ID: nt4.i
Smp Info : LR71FRE
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt4.i/20071101.b/SW846.m
Meth Date : 02-Nov-2007 11:41 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 11:04 Cal File: 0801001.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJK 11/2/07

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	25.00000	Weight of sample extracted (g)
M	0.00000	% 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	4.861	4.748	(0.712)	258385	18.4020	368.0
$ 2	Phenol-d5	99	6.512	6.489	(0.954)	369262	23.4957	469.9
3	Phenol	94	6.528	6.505	(0.956)	22417	1.2002	24.02
$ 5	2-Chlorophenol-d4	132	6.544	6.521	(0.959)	267109	22.9123	458.2
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	6.827	6.820	(1.000)	165938	20.0000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	7.121	7.114	(1.043)	106216	14.1600	283.2
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.					

Data File: /chem3/nt4.i/20071101.b/lr71f2.d
Report Date: 02-Nov-2007 11:41

	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	7.698	7.686	(1.128)	42319	3.37189	67.44
$	18 Nitrobenzene-d5	82	7.772	7.771	(0.876)	238832	15.1162	302.3
	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	8.713	8.813	(0.983)	22140	2.19485 LOL	43.90
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.867	8.872	(1.000)	598961	20.0000	
	28 Naphthalene	128	8.900	8.899	(1.004)	189535	5.15437	103.1
	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	10.016	10.015	(1.130)	29871	1.59465	31.89
	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	10.673	10.677	(0.914)	351582	16.0339	320.7
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	11.432	11.431	(0.978)	50507	1.62624	32.52
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.683	11.682	(1.000)	317563	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.731	11.730	(1.004)	34099	1.65393	33.08
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	11.987	11.992	(1.026)	50828	1.89290	37.86
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	12.575	12.585	(1.076)	15223	0.68697 LOL	13.74
	49 Fluorene	166	12.532	12.537	(1.073)	58309	2.54479	50.90
	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	12.954	12.953	(1.109)	67230	24.5929	491.9
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.001	14.000	(1.000)	443947	20.0000	
	60 Phenanthrene	178	14.033	14.032	(1.002)	650009	21.1853	423.7
	61 Anthracene	178	14.103	14.102	(1.007)	144580	4.66002	93.20
	62 Carbazole	167	14.423	14.412	(1.030)	48052	1.81013	36.20(M)

Data File: /chem3/nt4.i/20071101.b/lr71f2.d
Report Date: 02-Nov-2007 11:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
63 Di-n-butylphthalate	149	15.225	15.197	(1.087)	68063	2.13301 Y	42.66
64 Fluoranthene	202	15.946	15.923	(1.139)	1411503	42.4918	849.8
65 Pyrene	202	16.282	16.260	(0.892)	1177697	28.1355	562.7
$ 66 Terphenyl-d14	244	16.651	16.634	(0.912)	366814	15.1800	303.6
67 Butylbenzylphthalate	149	17.602	17.558	(0.965)	39752	2.26523 Y	45.30 (M)
68 Benzo(a)anthracene	228	18.227	18.199	(0.999)	371239	9.56349	191.3
* 69 Chrysene-d12	240	18.248	18.221	(1.000)	522303	20.0000	(M)
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	18.286	18.258	(1.002)	488437	12.7916	255.8
72 bis(2-Ethylhexyl)phthalate	149	18.601	18.578	(0.953)	339237	14.0308 B	280.6
* 134 Di-n-octylphthalate-d4	153	19.520	19.503	(1.000)	767428	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	19.856	19.818	(0.975)	294460	8.20089	164.0 (M)
75 Benzo(k)fluoranthene	252	19.856	19.850	(0.975)	349788	9.22186	184.4 (M)
76 Benzo(a)pyrene	252	20.273	20.245	(0.996)	278142	8.69827	174.0
* 77 Perylene-d12	264	20.358	20.325	(1.000)	527367	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	21.705	21.661	(1.066)	117705	3.34890	66.98 (M)
79 Dibenzo(a,h)anthracene	278	21.747	21.693	(1.068)	39819	1.37941	27.59 (M)
80 Benzo(g,h,i)perylene	276	22.014	21.944	(1.081)	69120	2.18330	43.67 (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	10.176	10.181	(1.148)	21256	1.12052	22.41
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: nt4.i
Lab File ID: lr71f2.d
Lab Smp Id: LR71FRE
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

Calibration Date: 01-NOV-2007
Calibration Time: 14:35

Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	145384	72692	290768	165938	14.14
27 Naphthalene-d8	530525	265262	1061050	598961	12.90
42 Acenaphthene-d10	280701	140350	561402	317563	13.13
59 Phenanthrene-d10	391934	195967	783868	443947	13.27
69 Chrysene-d12	354658	177329	709316	522303	47.27
134 Di-n-octylphthala	506314	253157	1012628	767428	51.57
77 Perylene-d12	400782	200391	801564	527367	31.58

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.82	6.32	7.32	6.83	0.09
27 Naphthalene-d8	8.87	8.37	9.37	8.87	-0.05
42 Acenaphthene-d10	11.68	11.18	12.18	11.68	0.01
59 Phenanthrene-d10	14.00	13.50	14.50	14.00	0.01
69 Chrysene-d12	18.22	17.72	18.72	18.25	0.15
134 Di-n-octylphthala	19.50	19.00	20.00	19.52	0.09
77 Perylene-d12	20.33	19.83	20.83	20.36	0.16

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:
Sample Matrix: SOLID
Lab Smp Id: LR71FRE
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

Client SDG: 20071101
Fraction: SV

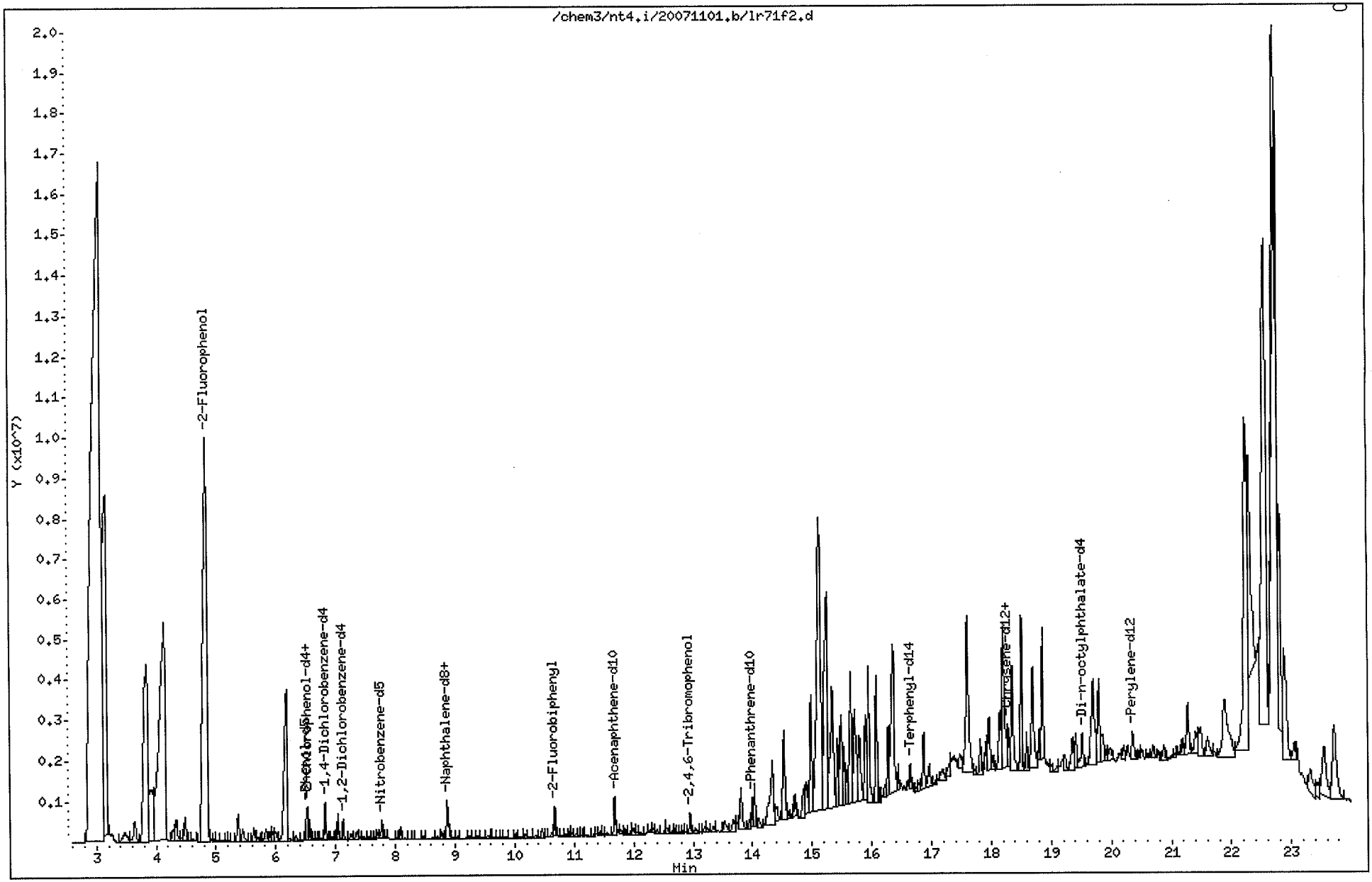
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	368.0	49.07	11-84
$ 2 Phenol-d5	750.0	469.9	62.66	25-86
$ 5 2-Chlorophenol-d4	750.0	458.2	61.10	23-91
$ 10 1,2-Dichlorobenzen	500.0	283.2	56.64	24-90
$ 18 Nitrobenzene-d5	500.0	302.3	60.46	26-88
$ 36 2-Fluorobiphenyl	500.0	320.7	64.14	34-91
$ 55 2,4,6-Tribromophen	750.0	491.9	65.58	25-107
$ 66 Terphenyl-d14	500.0	303.6	60.72	22-100

Data File: /chem3/nt4.i/20071101.b/lr71f2.d
Date : 01-NOV-2007 20:18
Client ID:
Sample Info: LR71FRE
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt4.i
Operator: VTS
Column diameter: 0.32

0468



Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

Operator: VTS

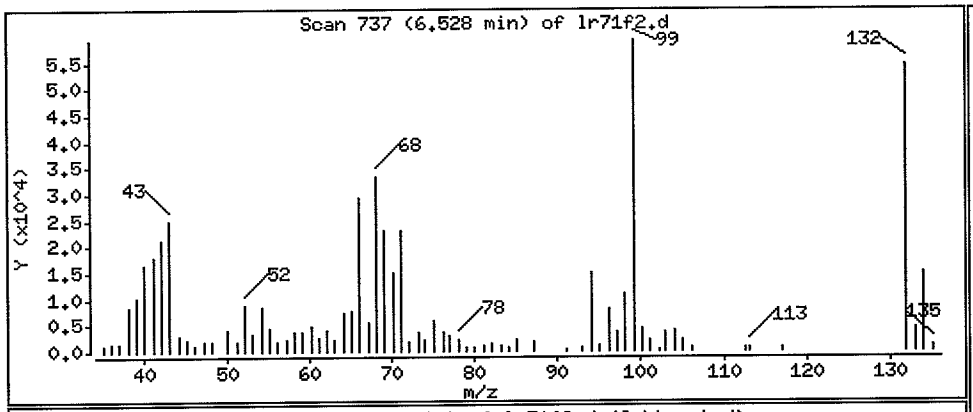
Column phase: ZB-5

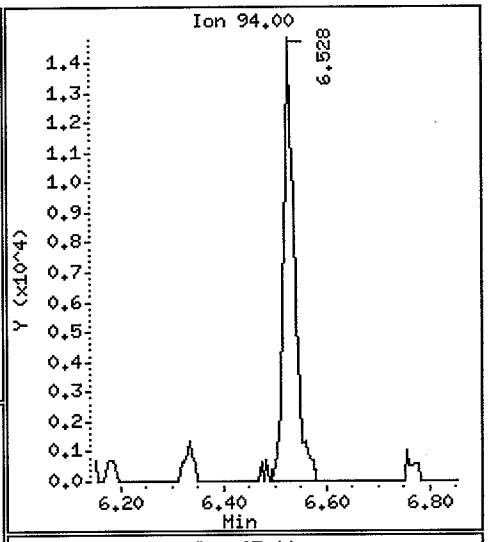
Column diameter: 0.32

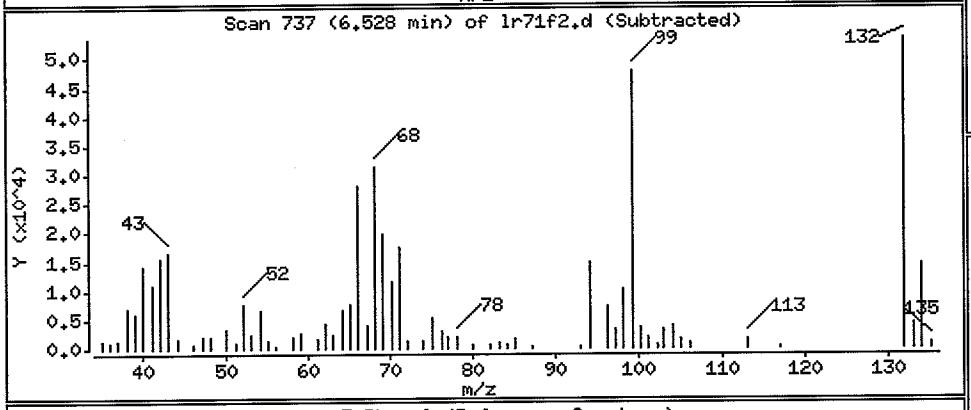
3 Phenol

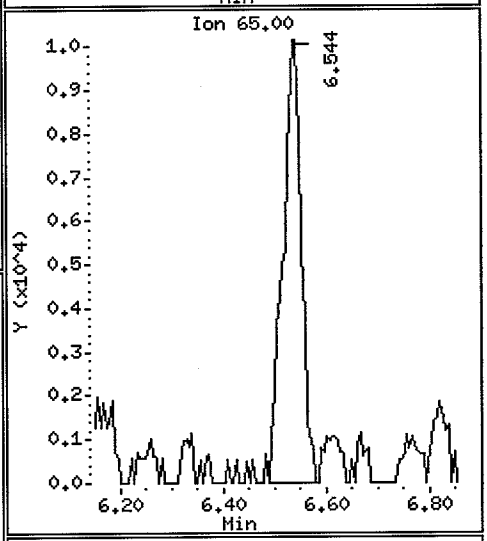
Concentration: 24.02 ug/Kg

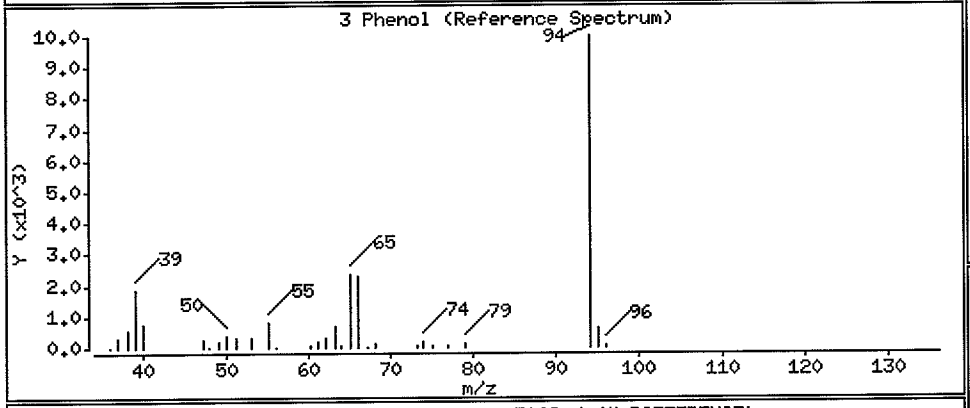
11/2/07

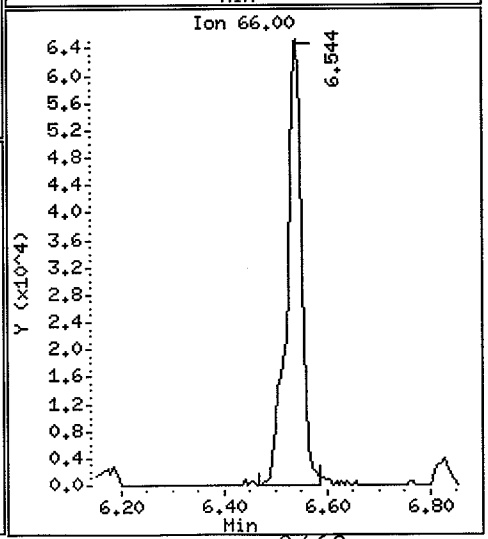


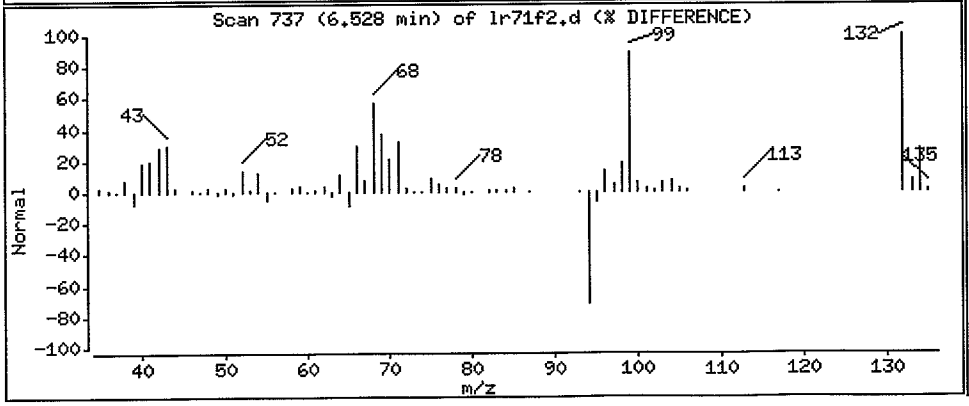












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

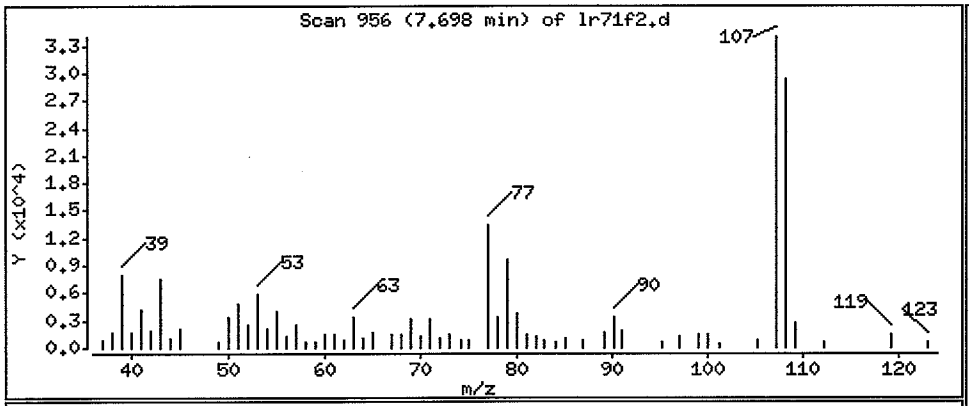
Operator: VTS

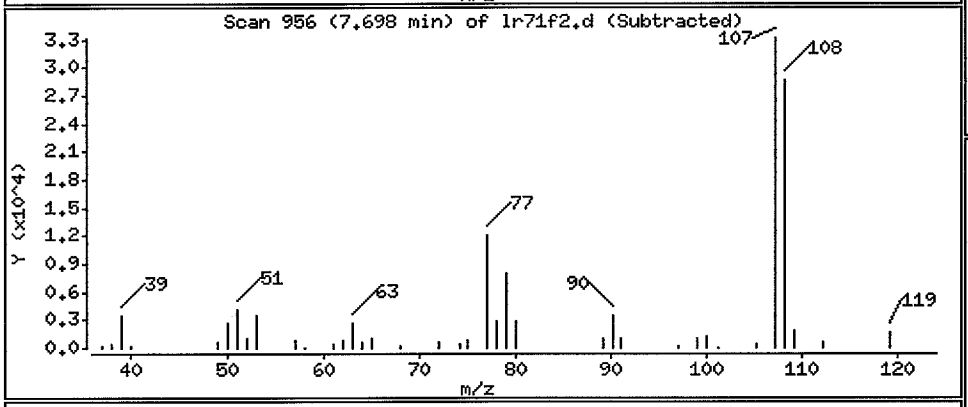
Column phase: ZB-5

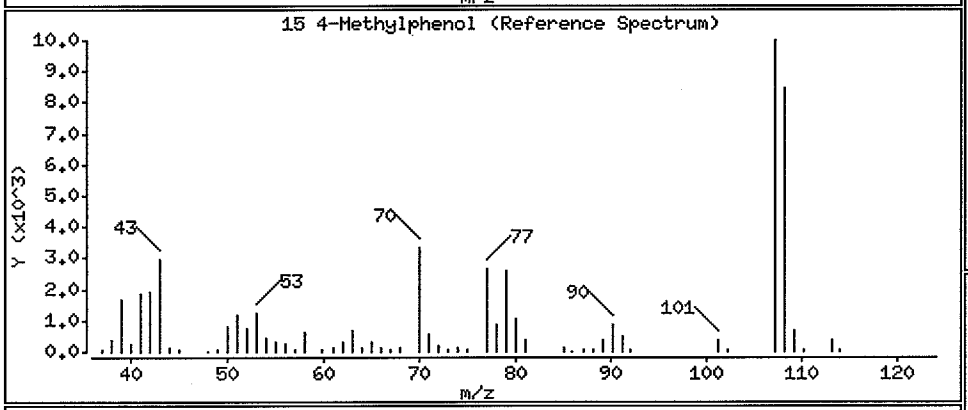
Column diameter: 0.32

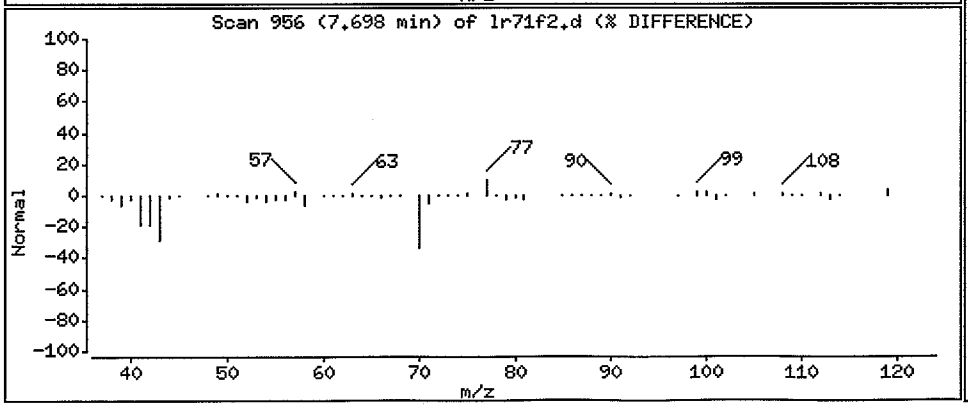
15 4-Methylphenol

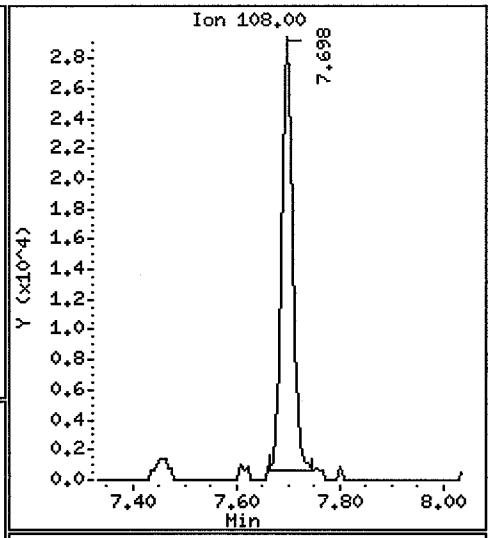
Concentration: 67.44 ug/Kg

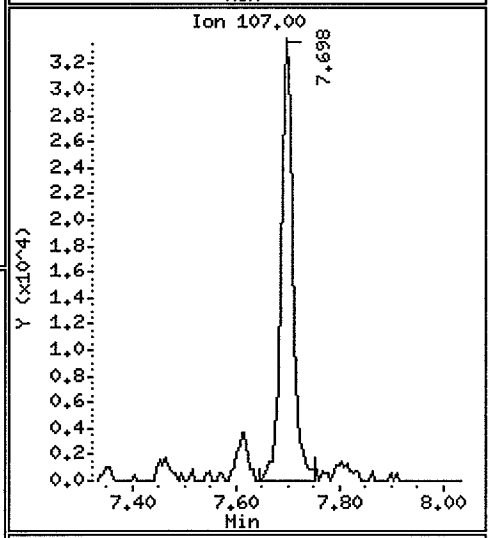


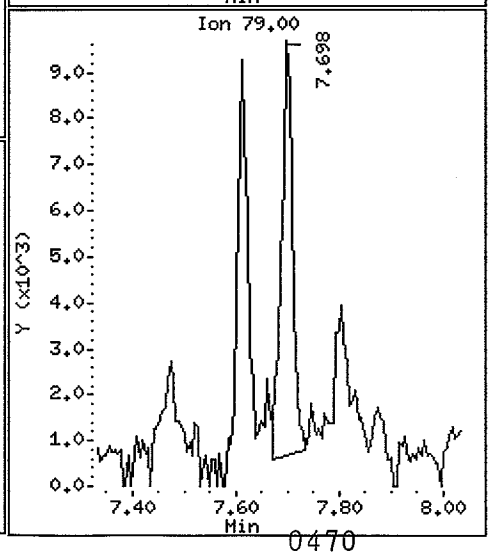












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

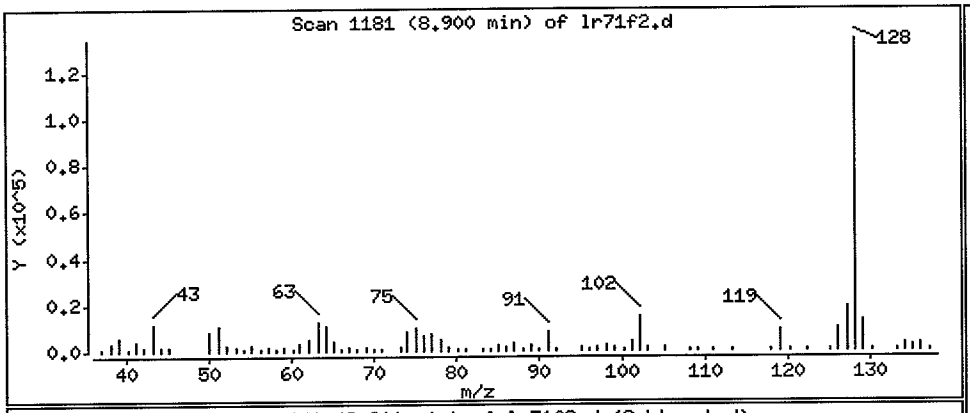
Operator: VTS

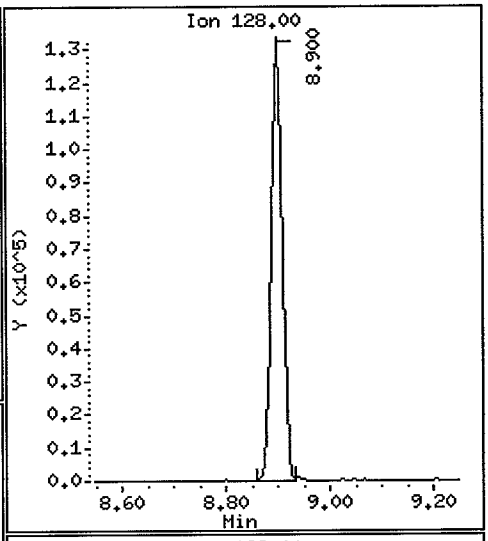
Column phase: ZB-5

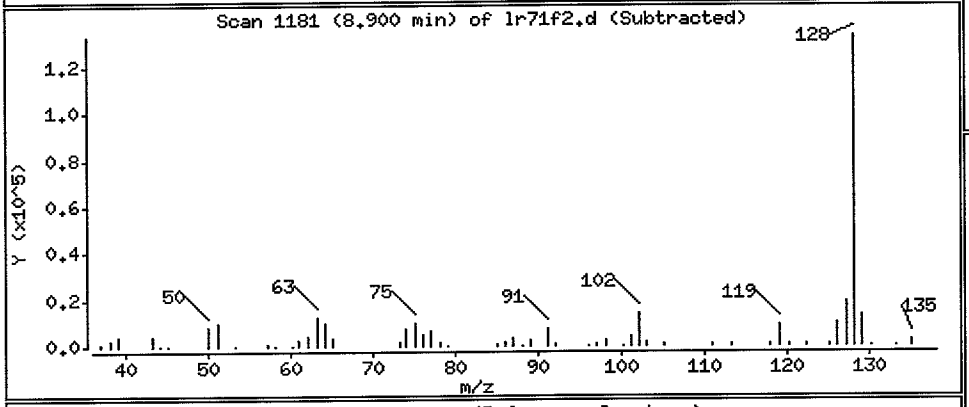
Column diameter: 0.32

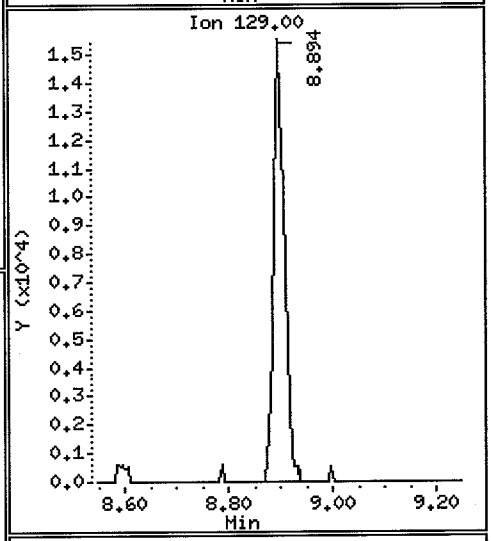
28 Naphthalene

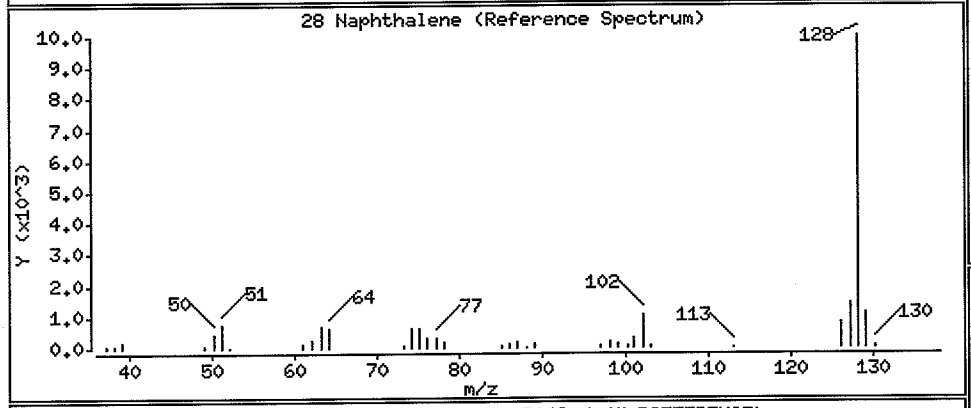
Concentration: 103.1 ug/Kg

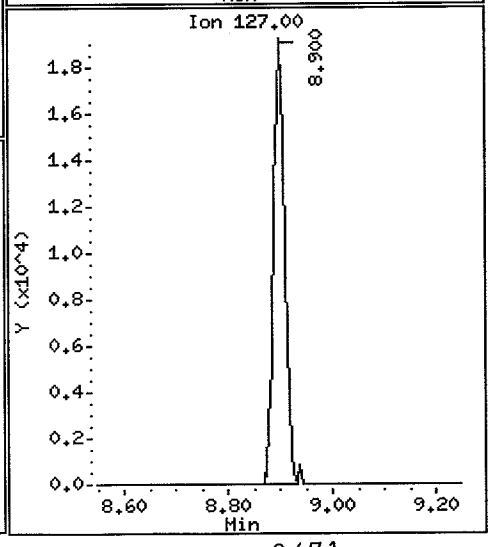


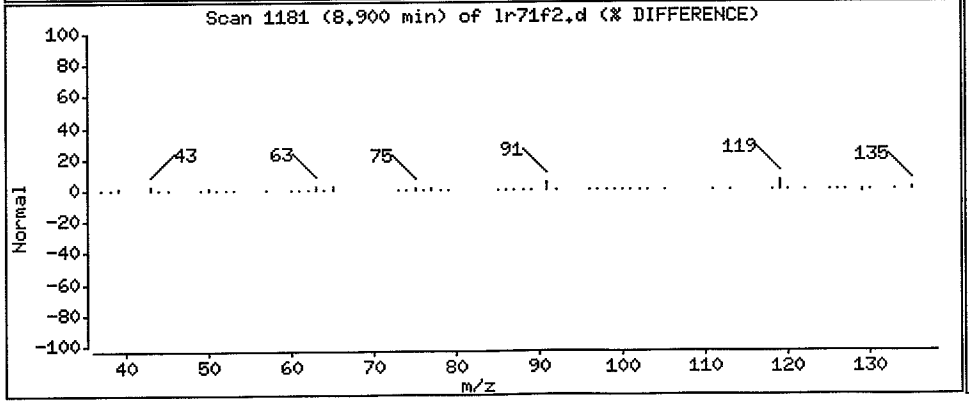












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

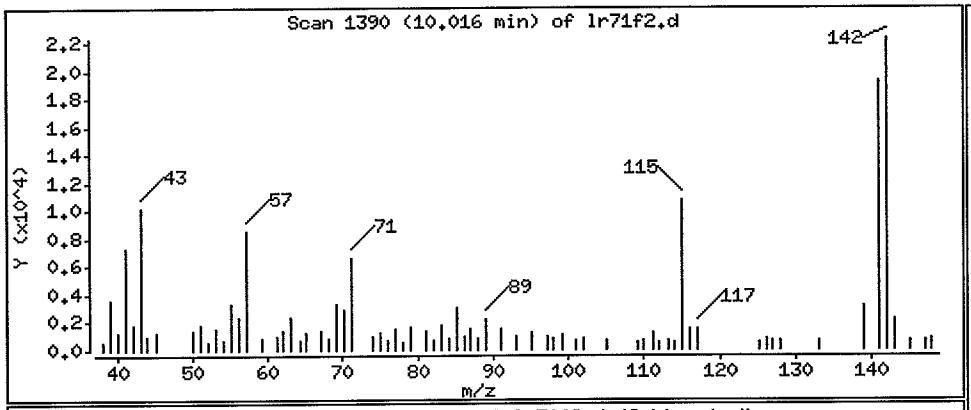
Operator: VTS

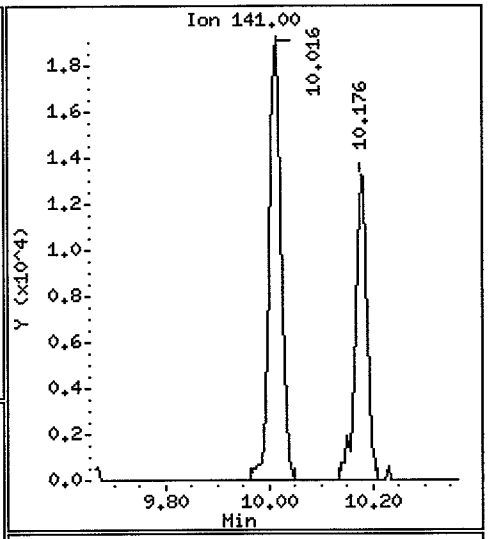
Column phase: ZB-5

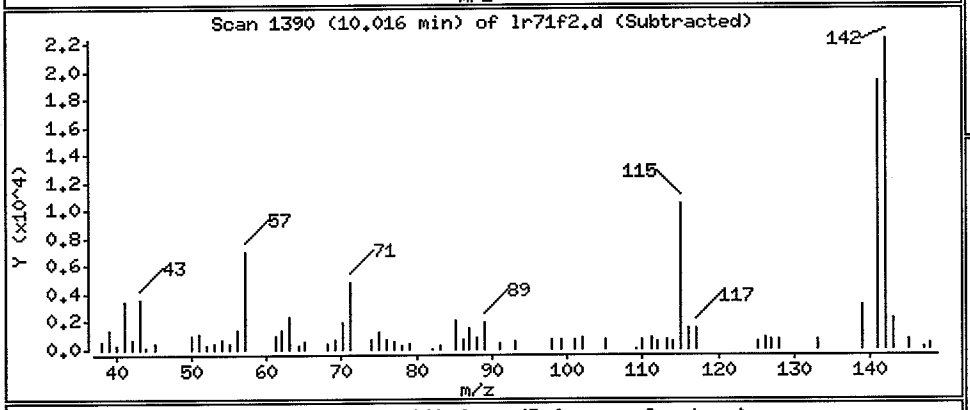
Column diameter: 0.32

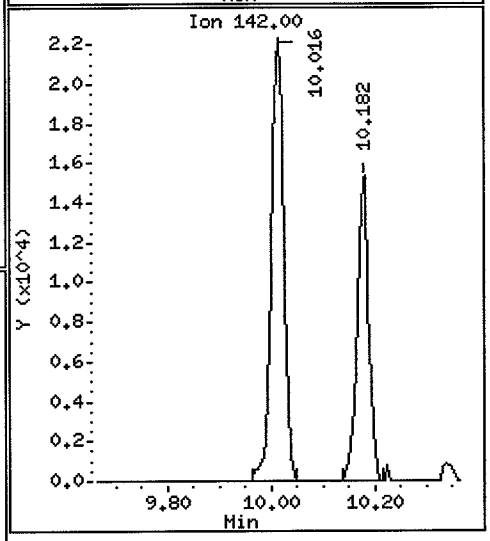
32 2-Methylnaphthalene

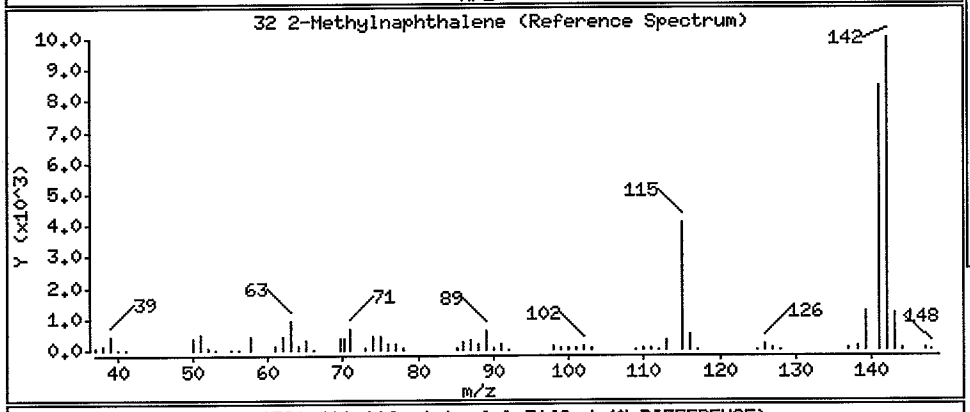
Concentration: 31.89 ug/Kg

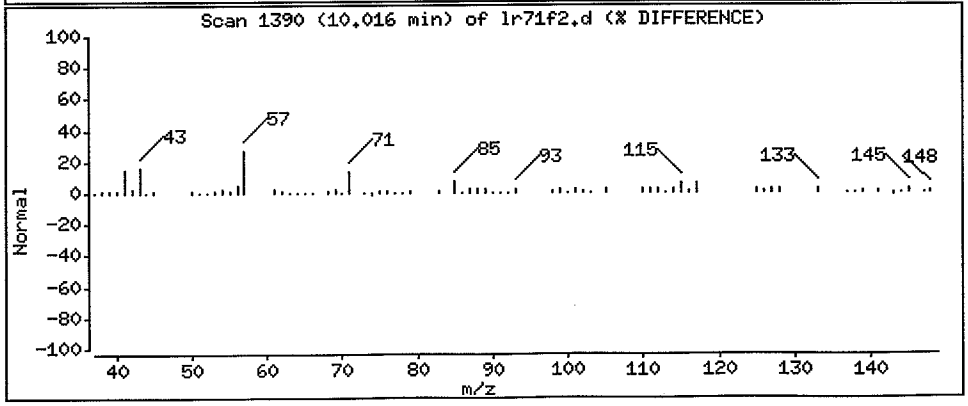












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

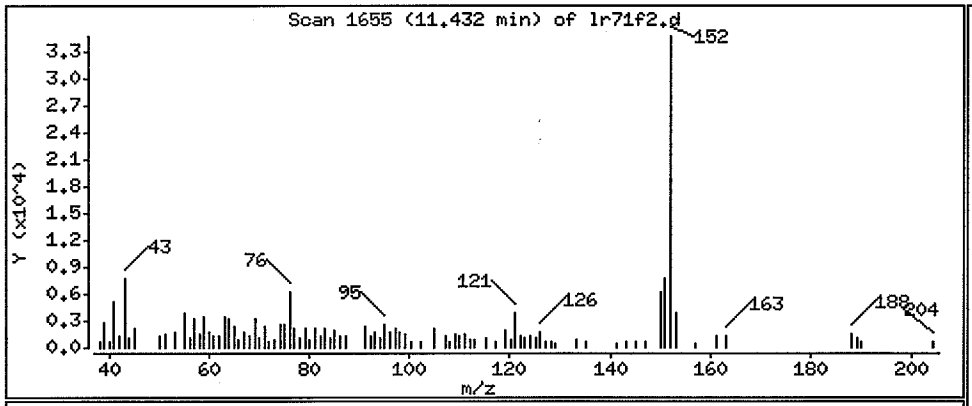
Operator: VTS

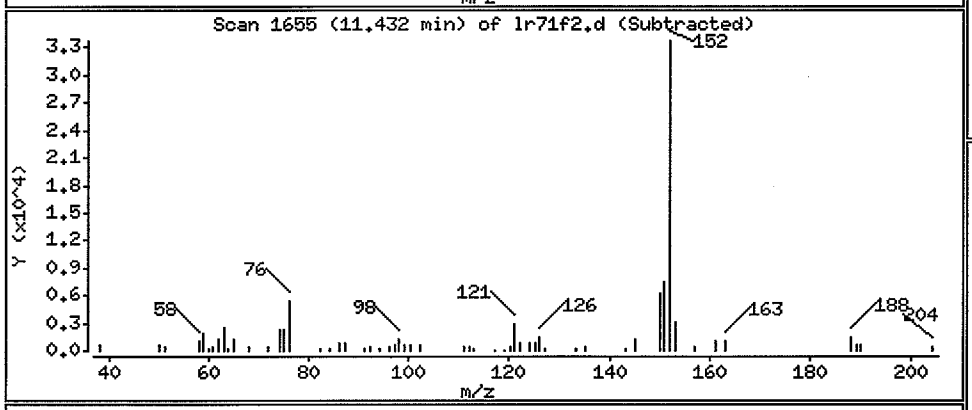
Column phase: ZB-5

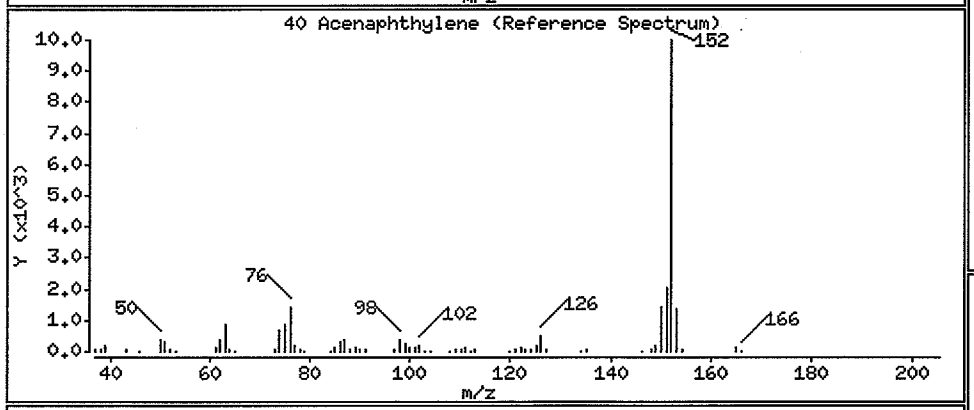
Column diameter: 0.32

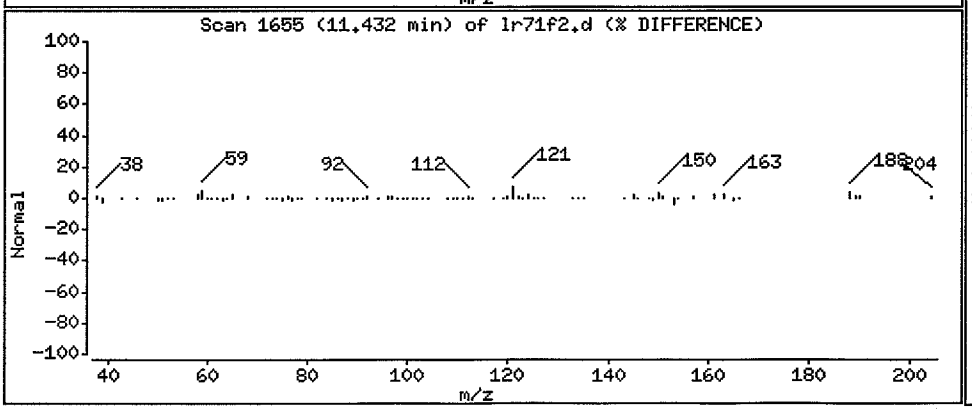
40 Acenaphthylene

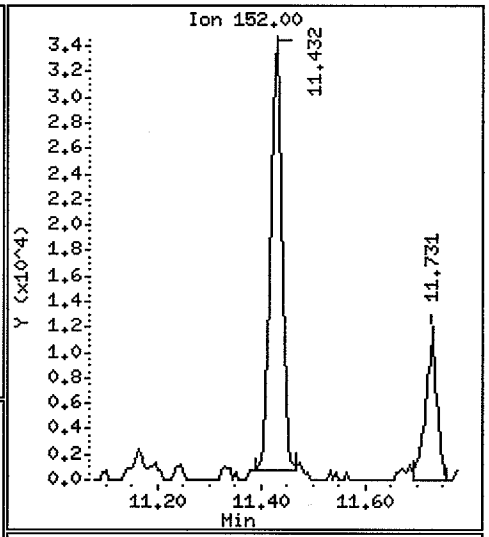
Concentration: 32.52 ug/Kg

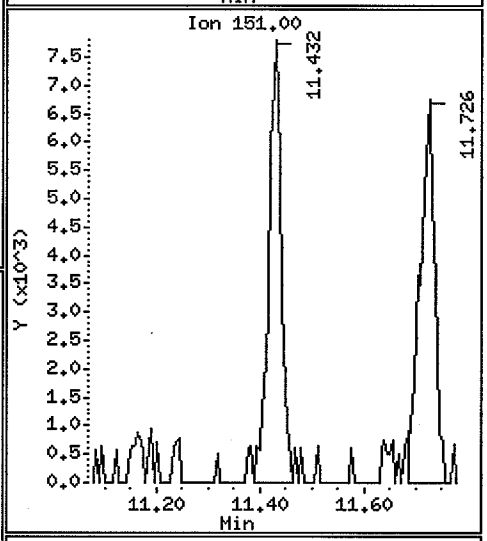


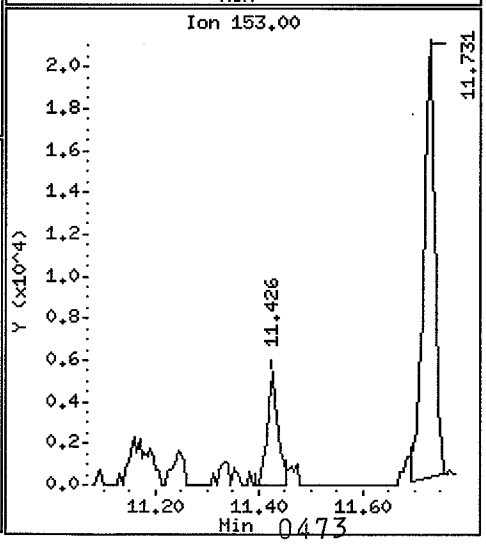












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

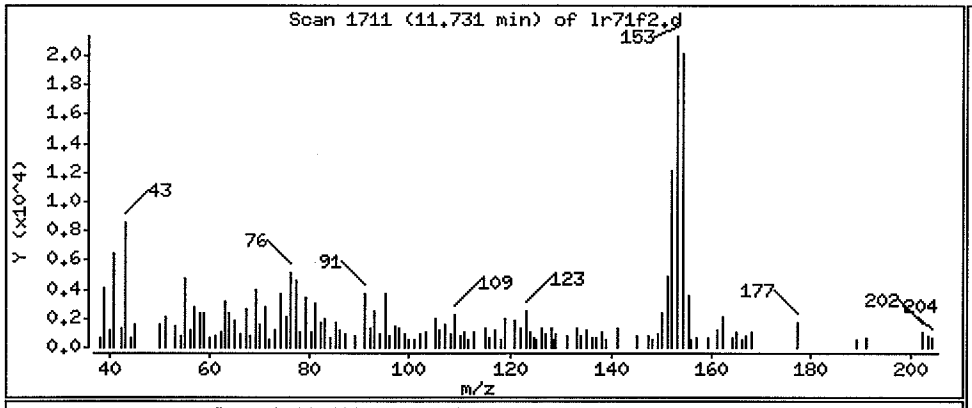
Operator: VTS

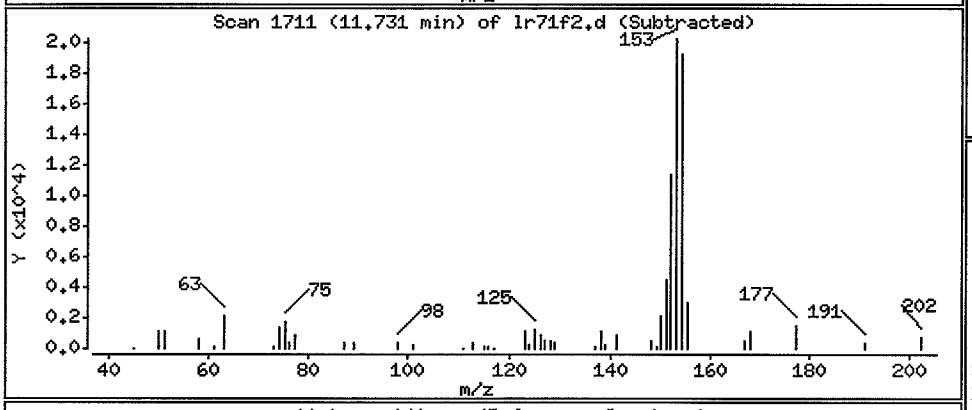
Column phase: ZB-5

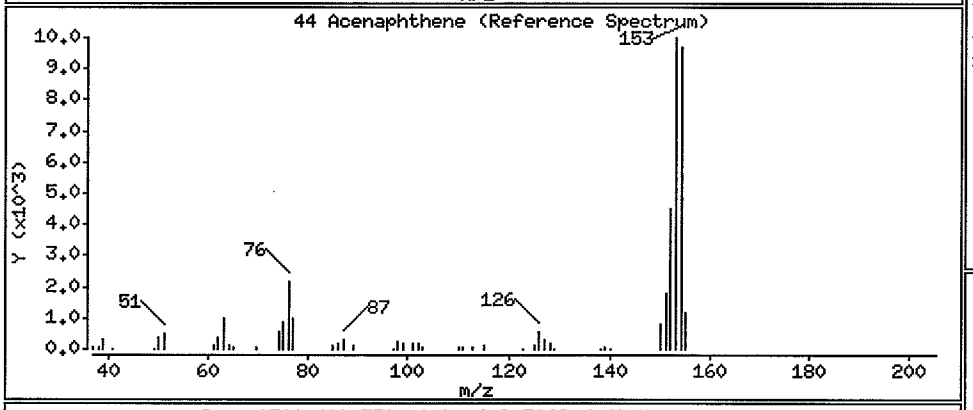
Column diameter: 0.32

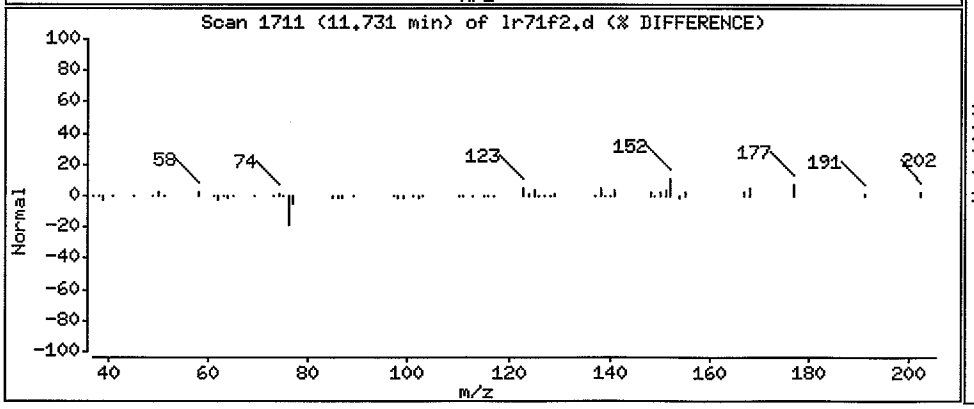
44 Acenaphthene

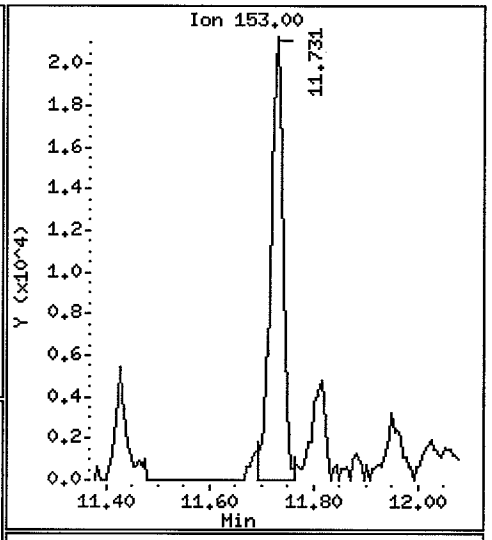
Concentration: 33.08 ug/Kg

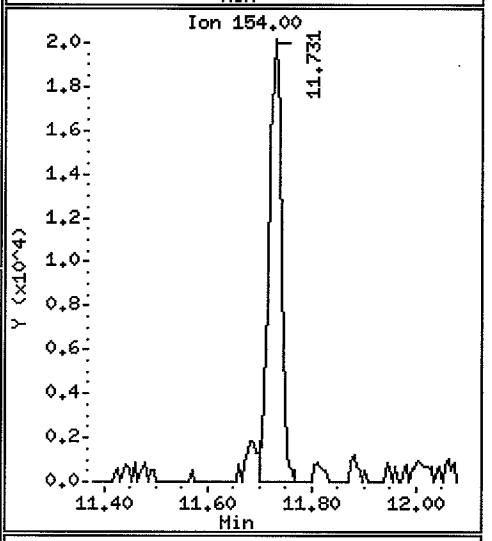


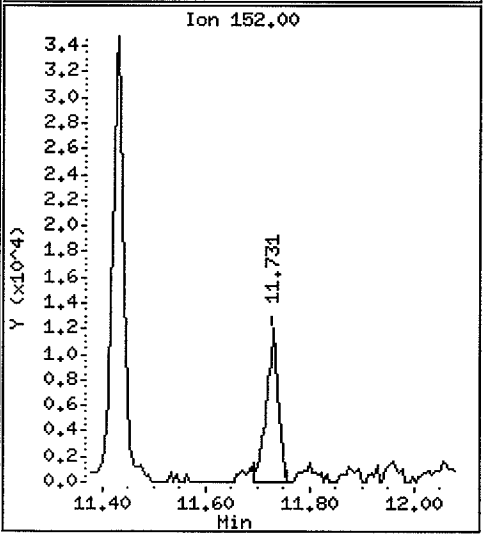












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

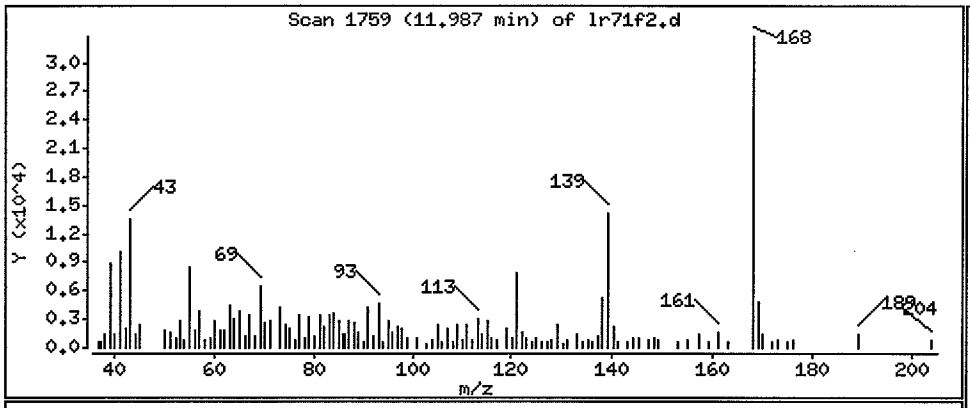
Operator: VTS

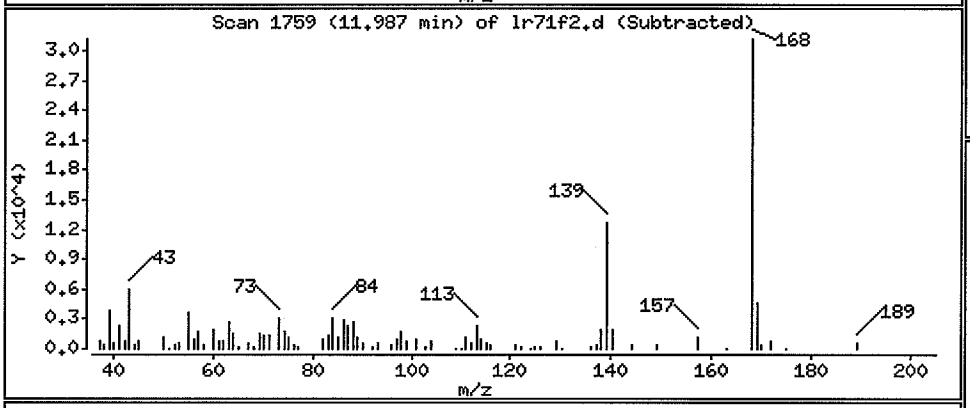
Column phase: ZB-5

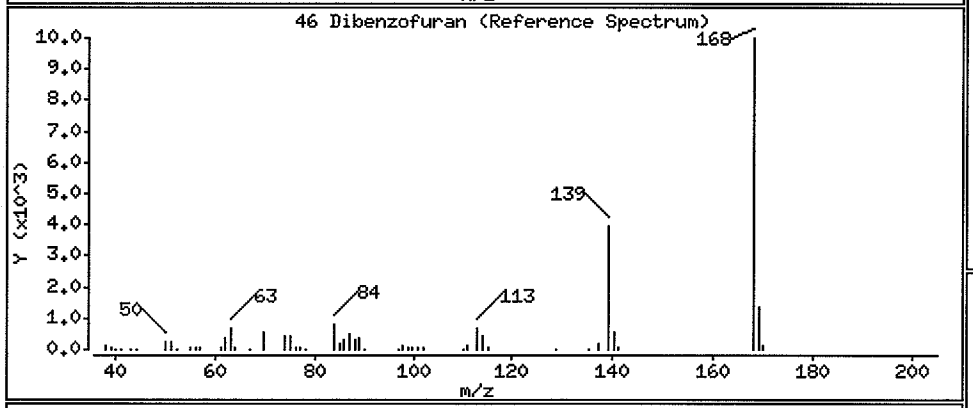
Column diameter: 0.32

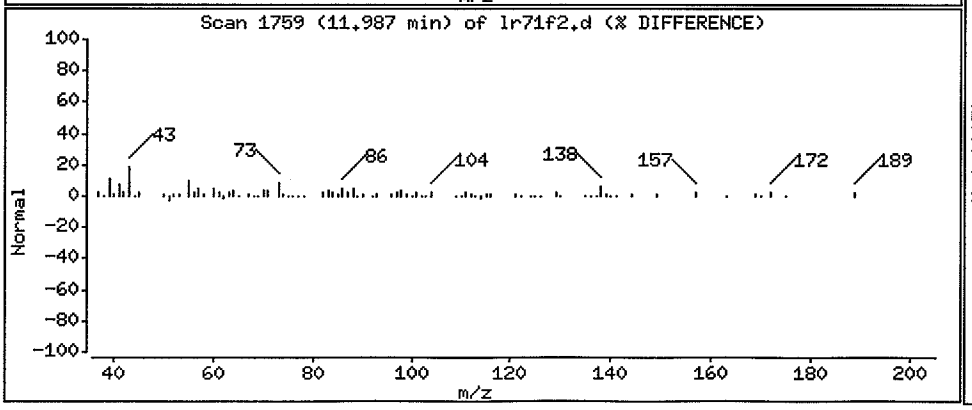
46 Dibenzofuran

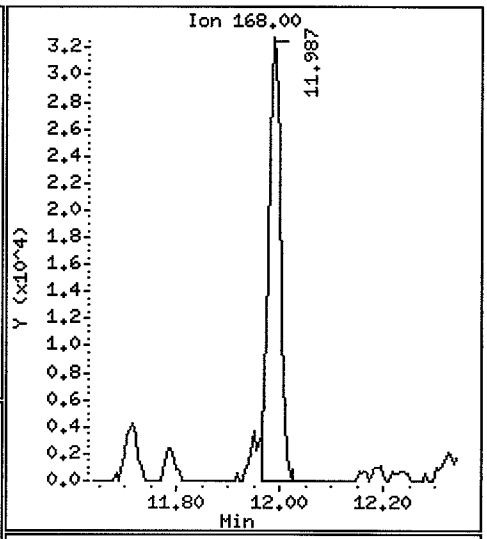
Concentration: 37.86 ug/Kg

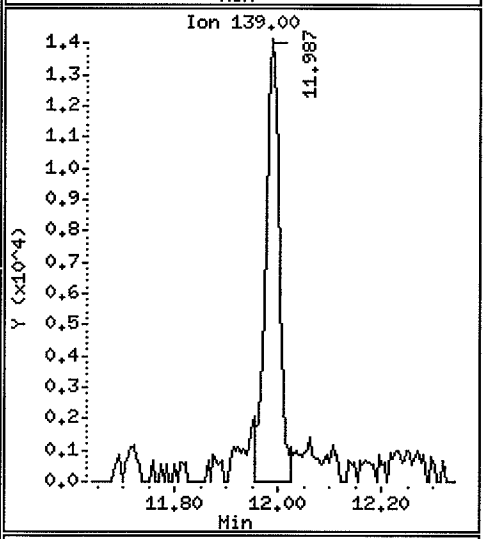


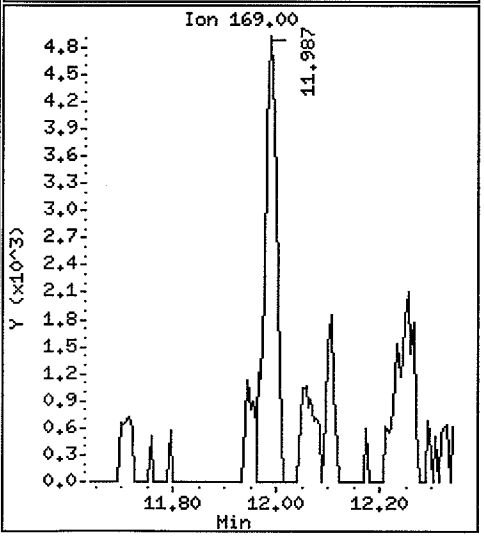












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

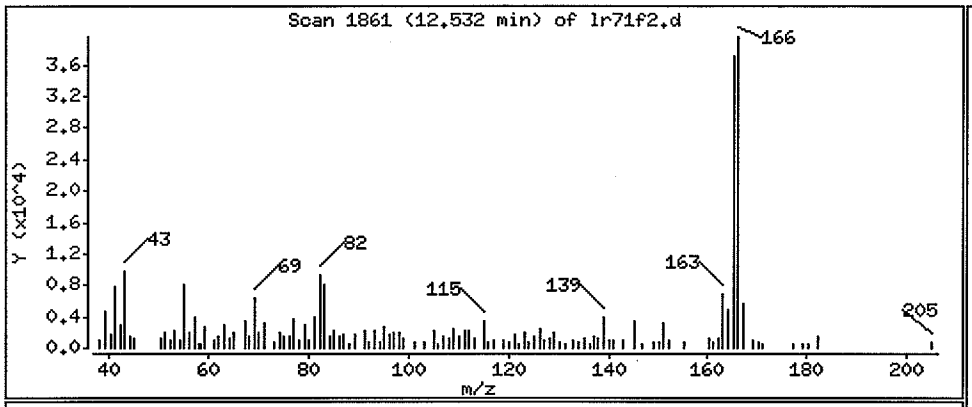
Operator: VTS

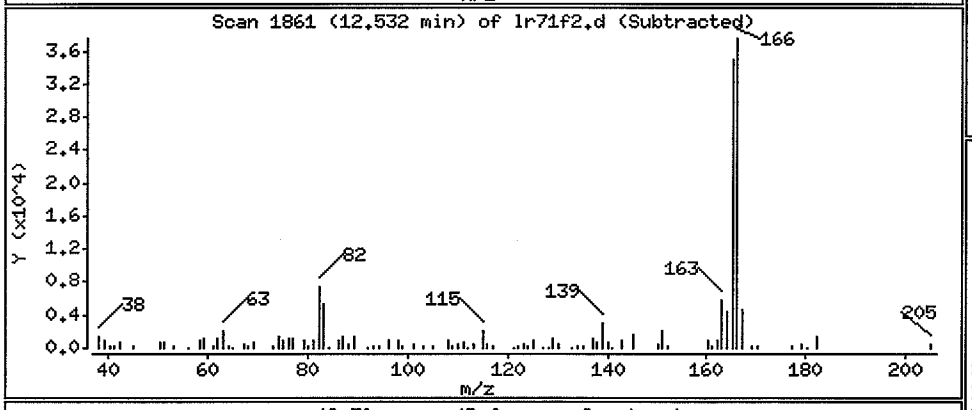
Column phase: ZB-5

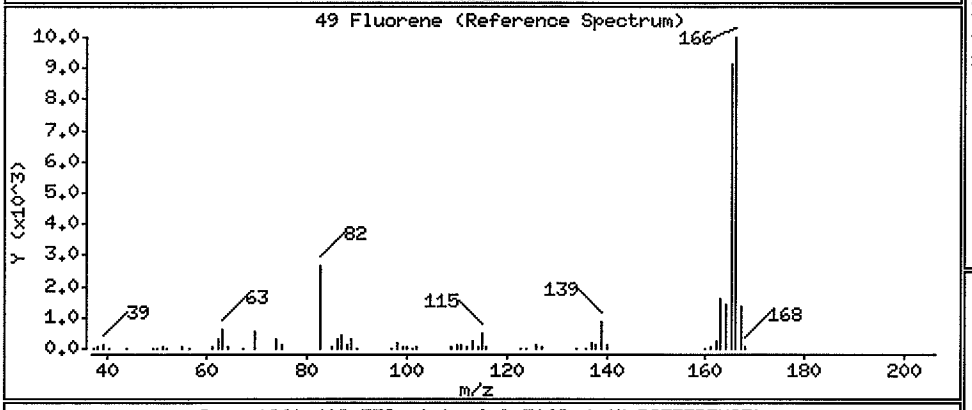
Column diameter: 0.32

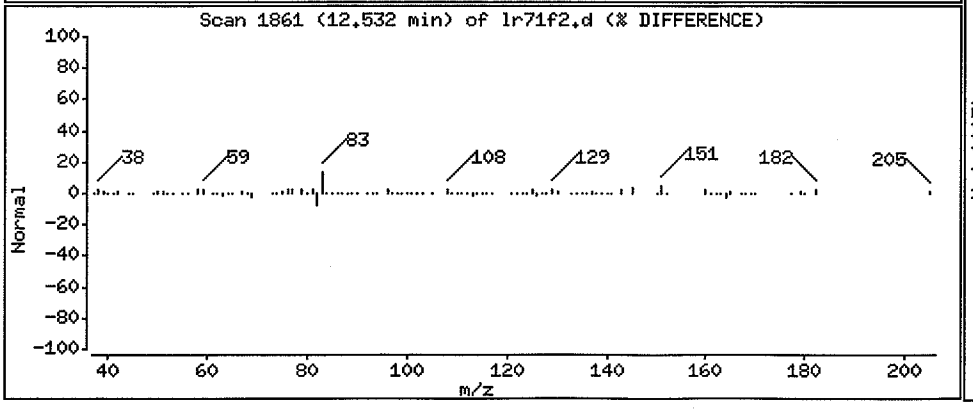
49 Fluorene

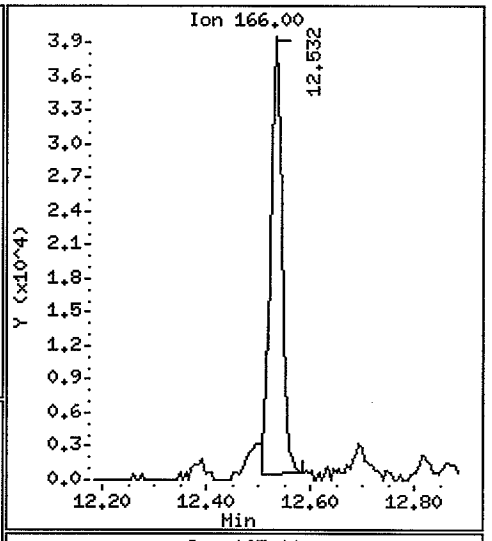
Concentration: 50.90 ug/Kg

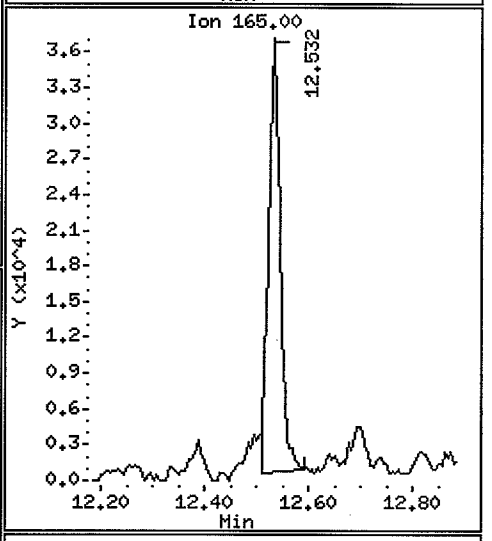


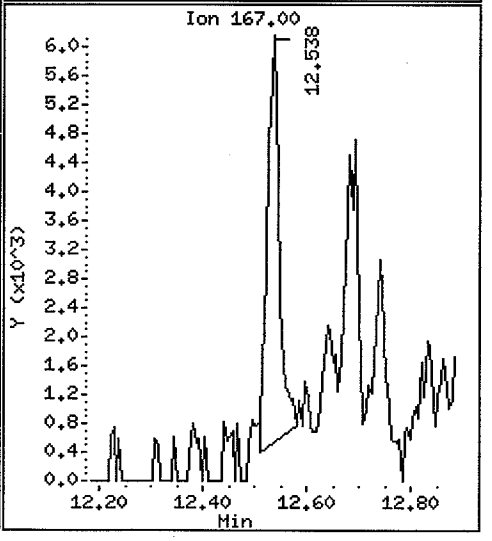












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

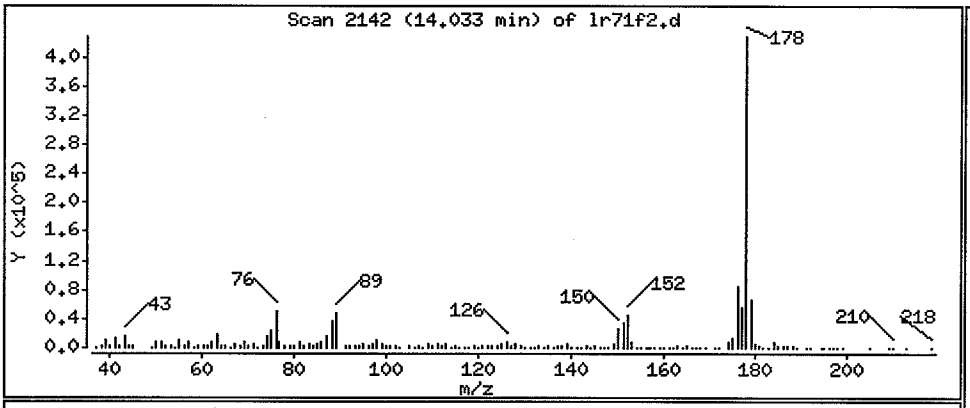
Operator: VTS

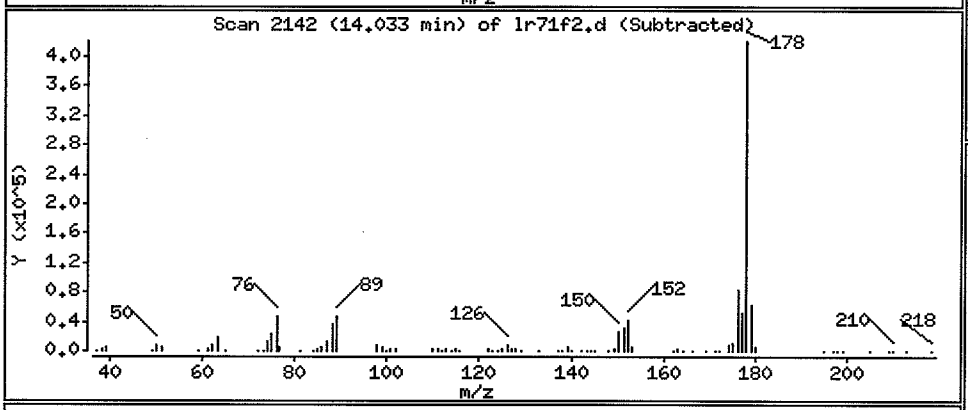
Column phase: ZB-5

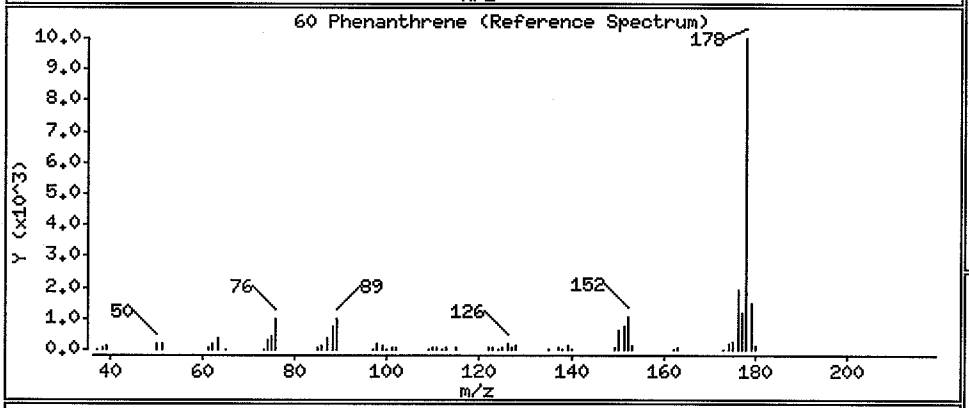
Column diameter: 0.32

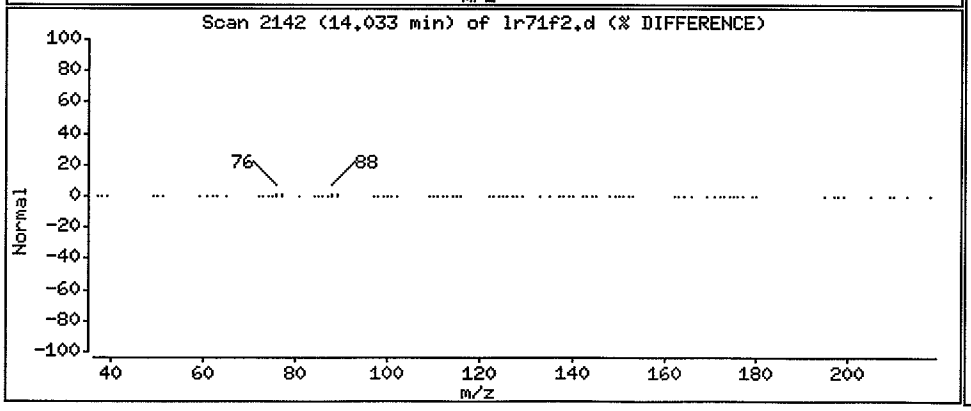
60 Phenanthrene

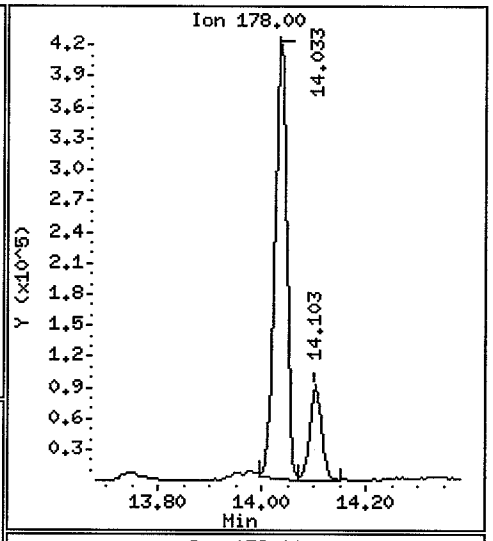
Concentration: 423.7 ug/Kg

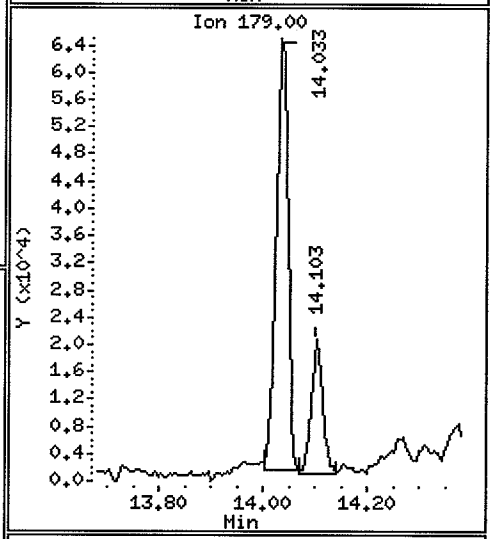


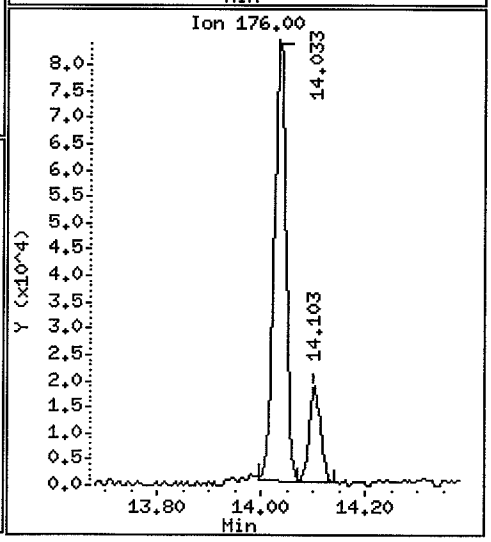












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

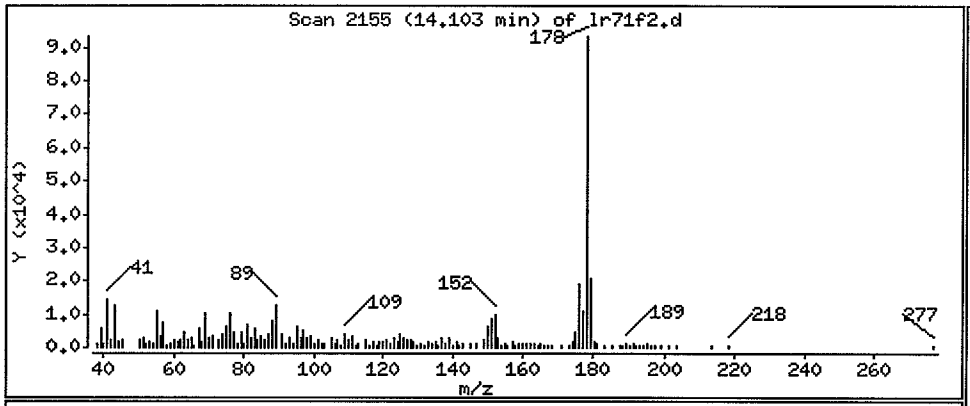
Operator: VTS

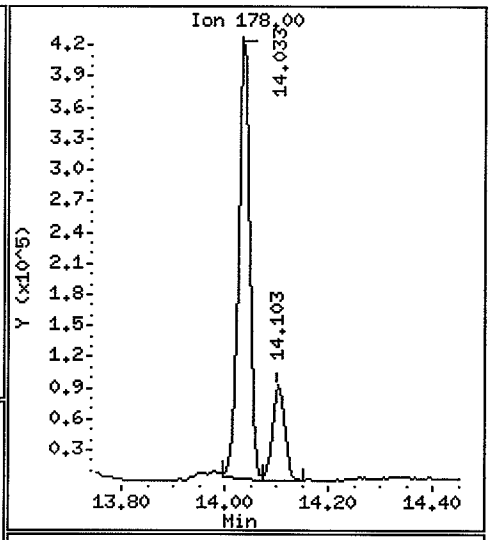
Column phase: ZB-5

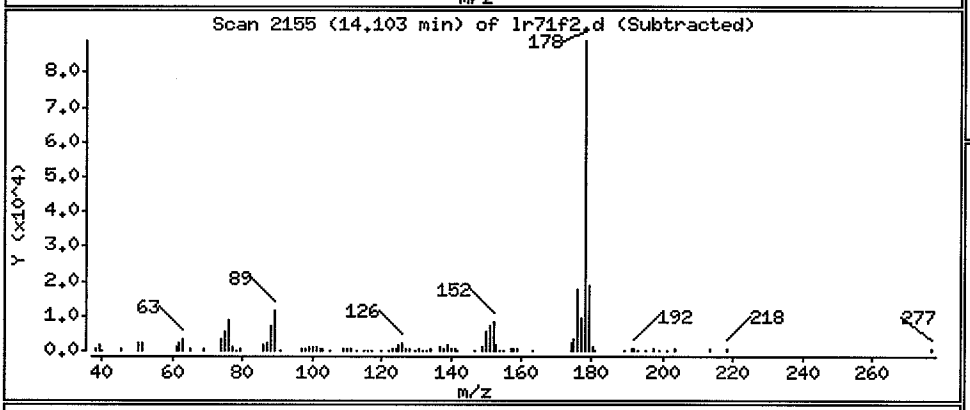
Column diameter: 0.32

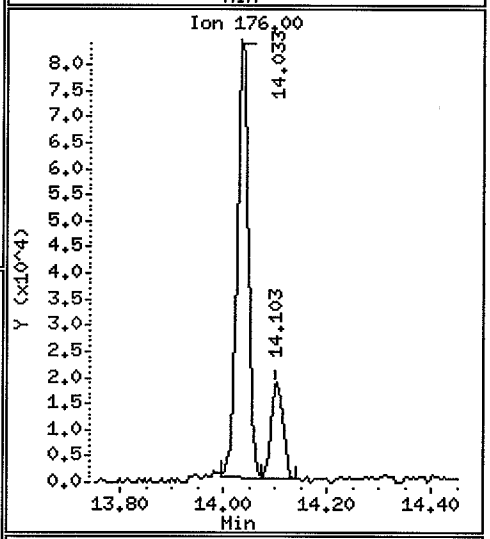
61 Anthracene

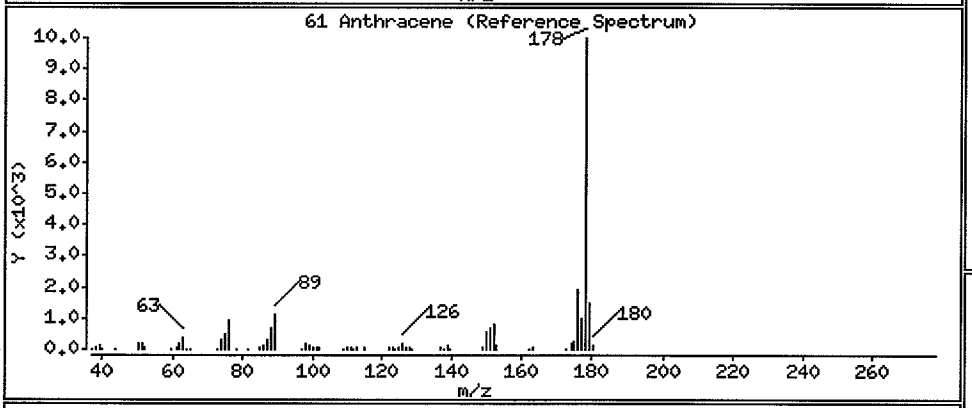
Concentration: 93.20 ug/Kg

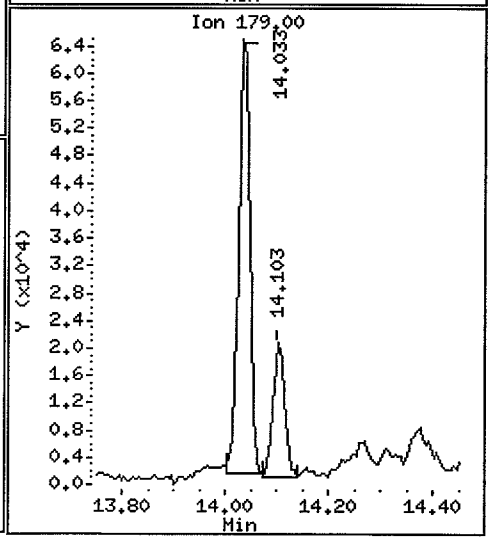


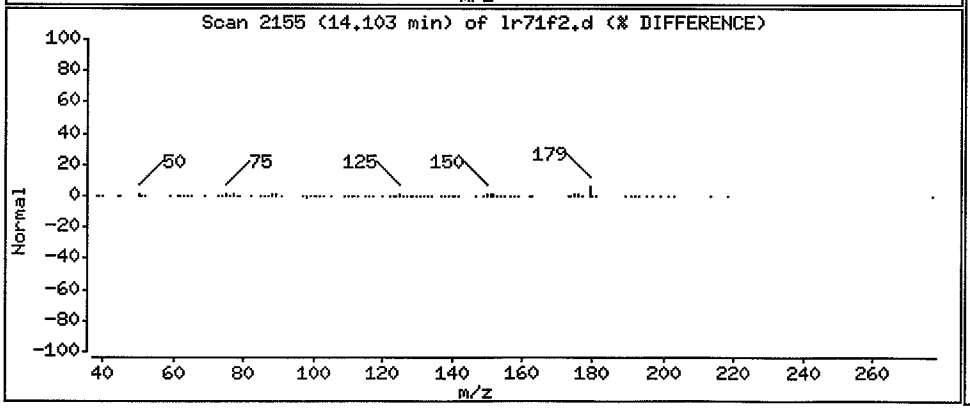












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

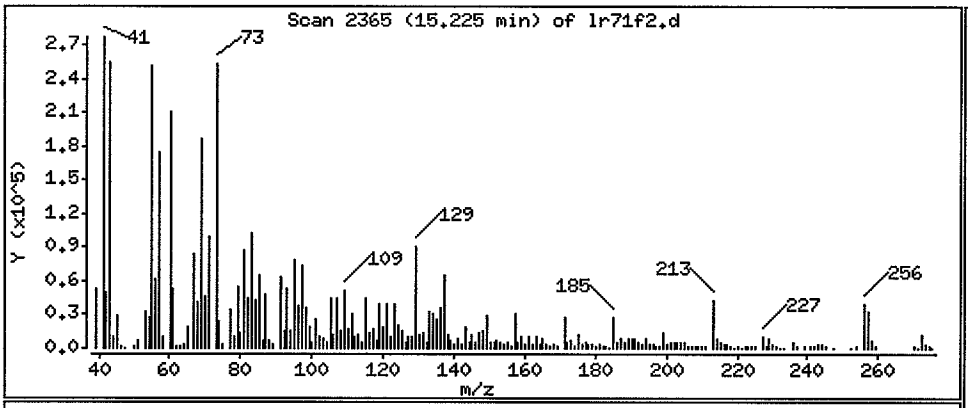
Operator: VTS

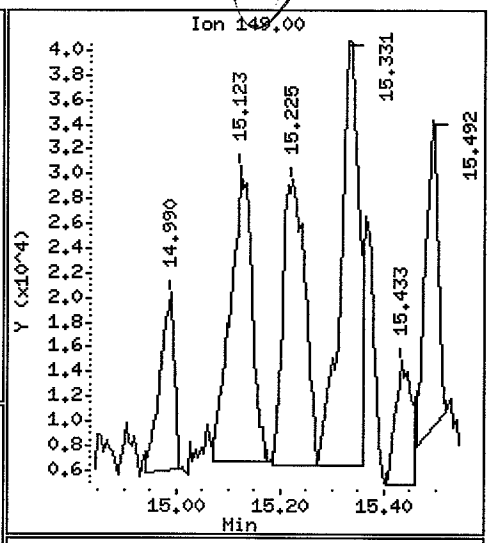
Column phase: ZB-5

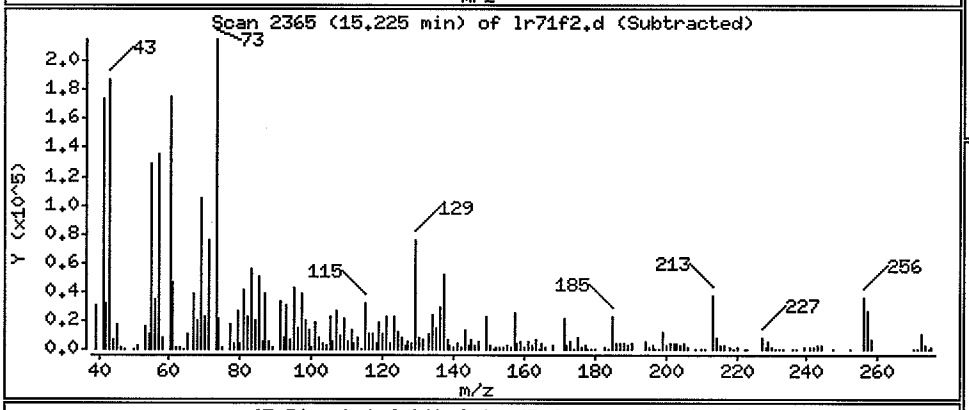
Column diameter: 0.32

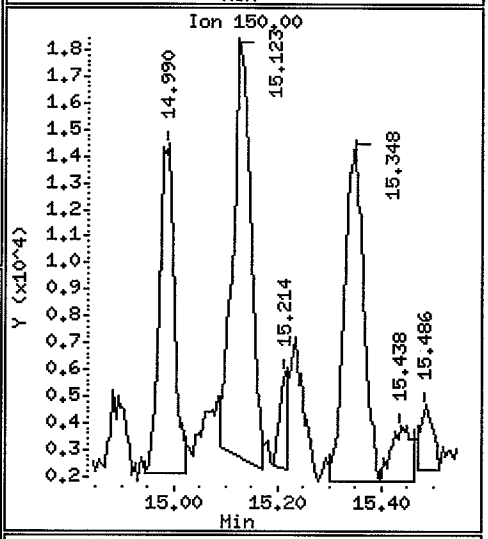
63 Di-n-butylphthalate

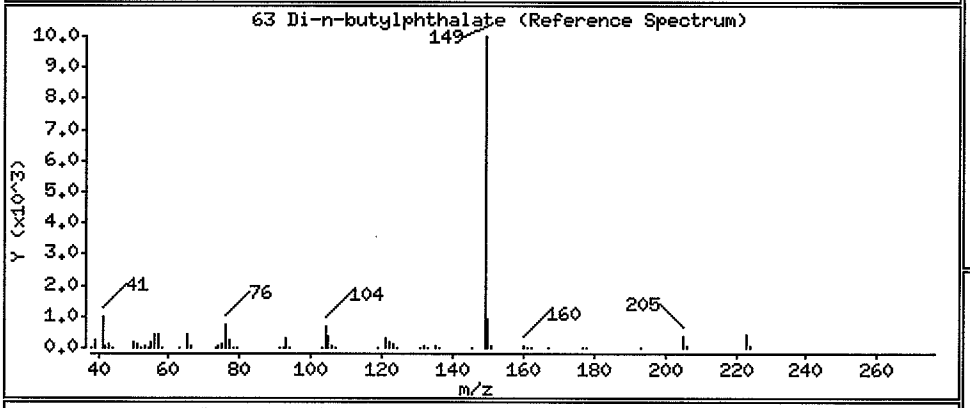
Concentration: 42.66 ug/Kg

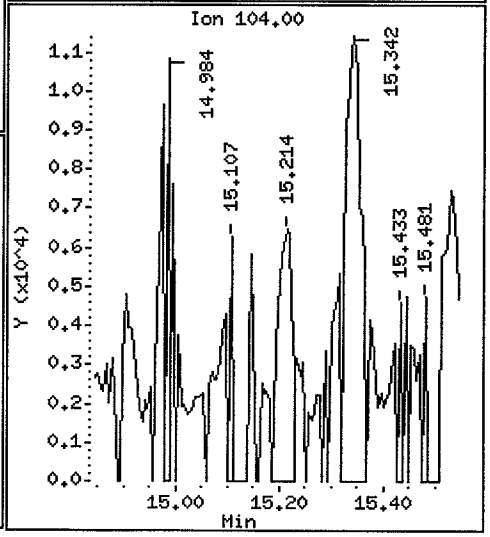


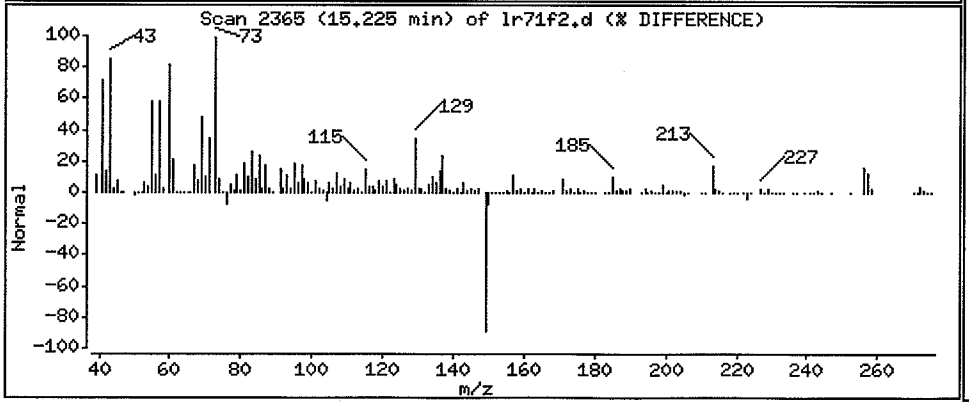












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

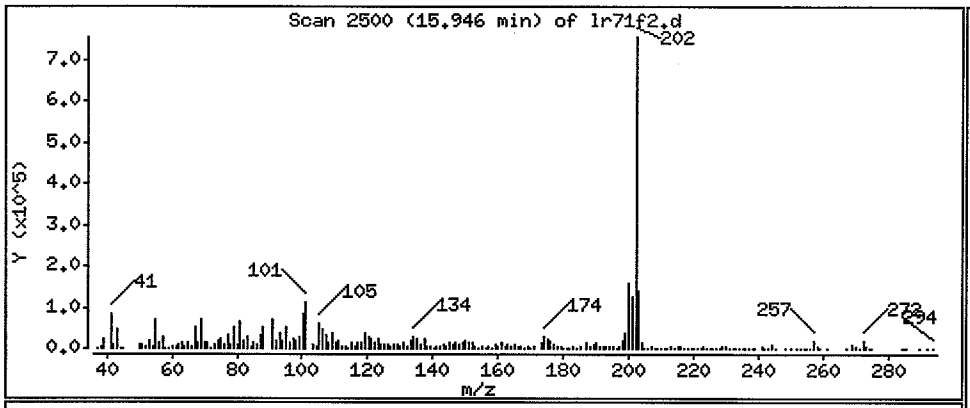
Operator: VTS

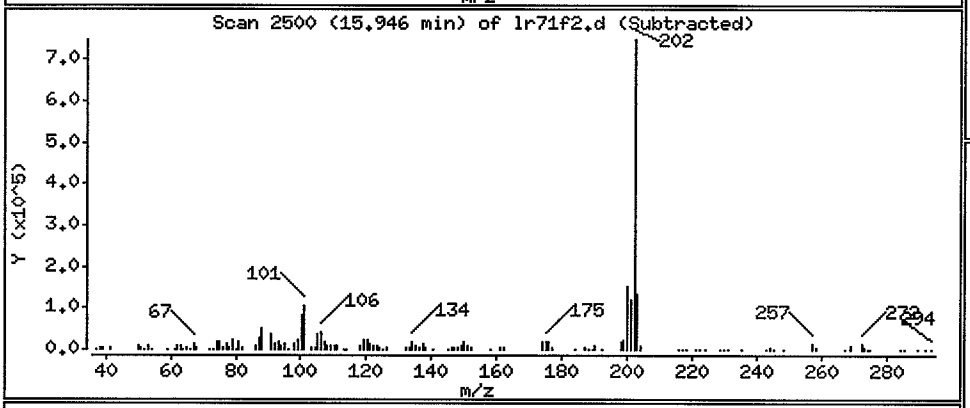
Column phase: ZB-5

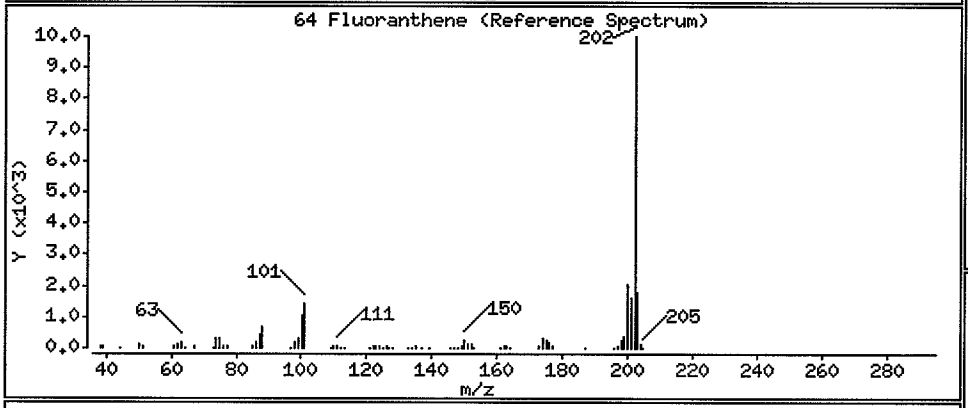
Column diameter: 0.32

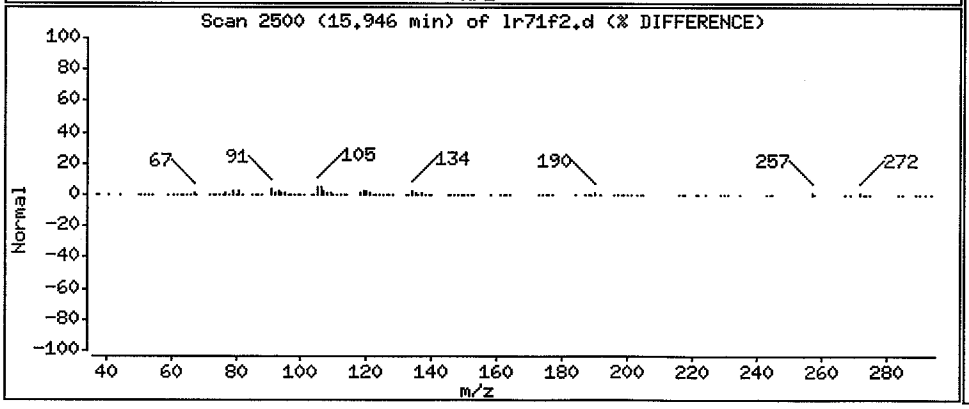
64 Fluoranthene

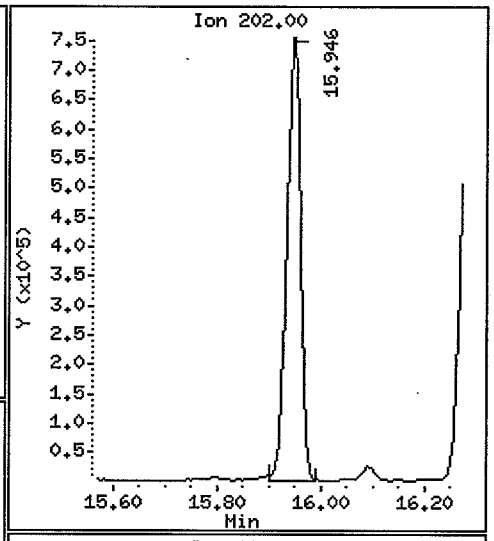
Concentration: 849.8 ug/Kg

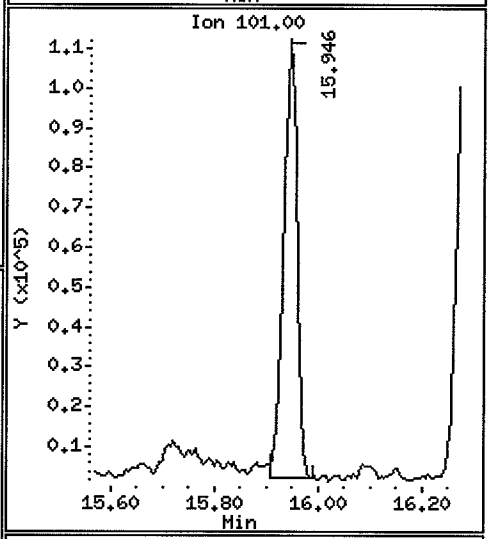


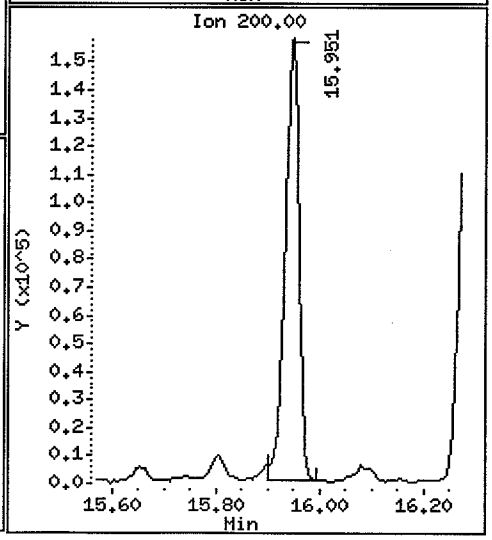












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

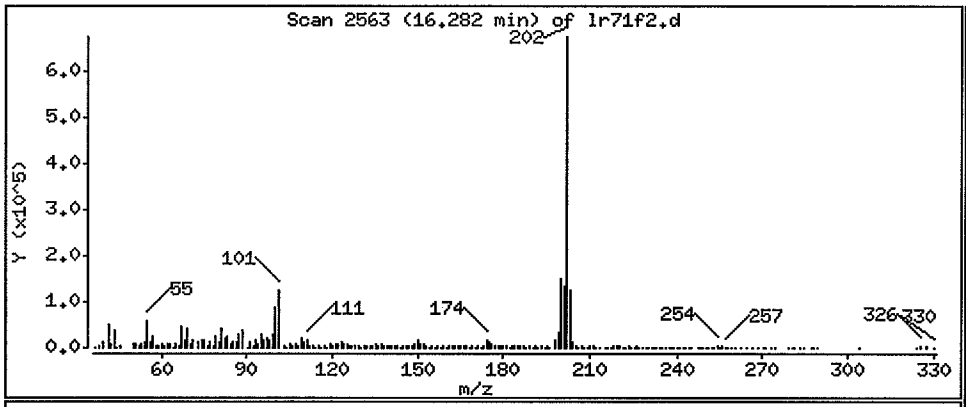
Operator: VTS

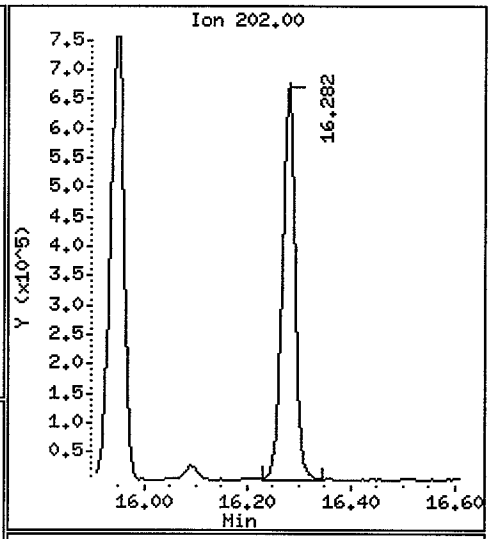
Column phase: ZB-5

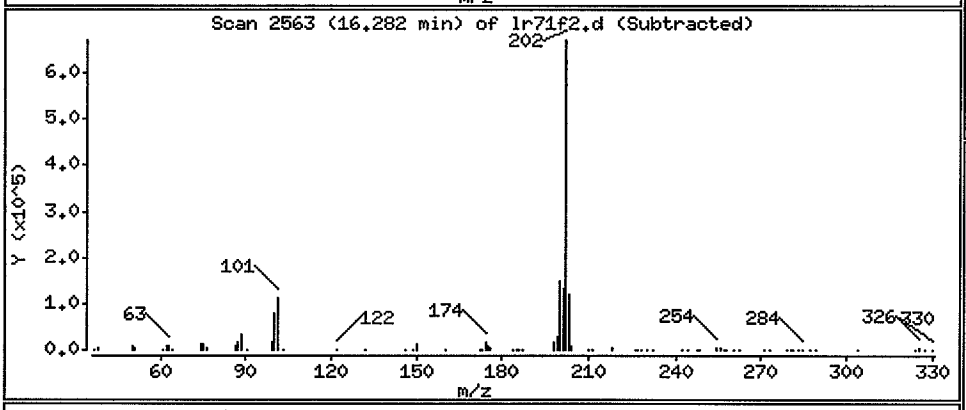
Column diameter: 0.32

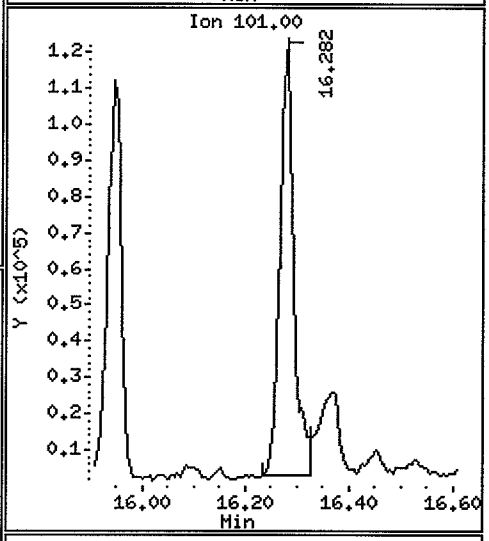
65 Pyrene

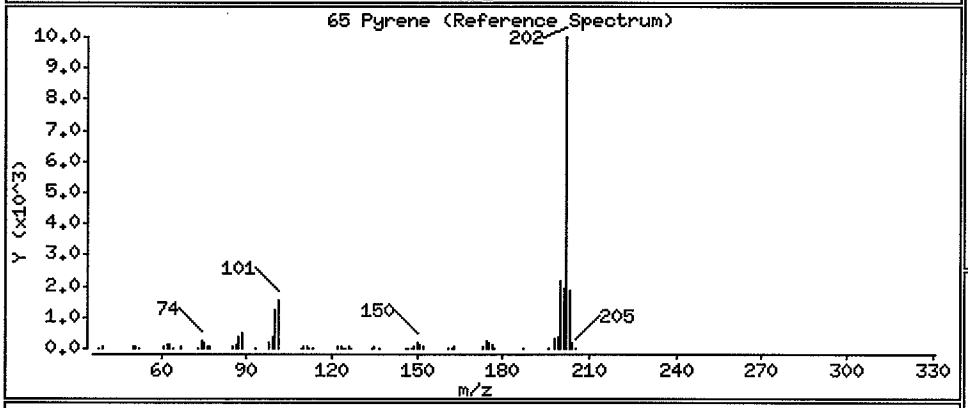
Concentration: 562.7 ug/Kg

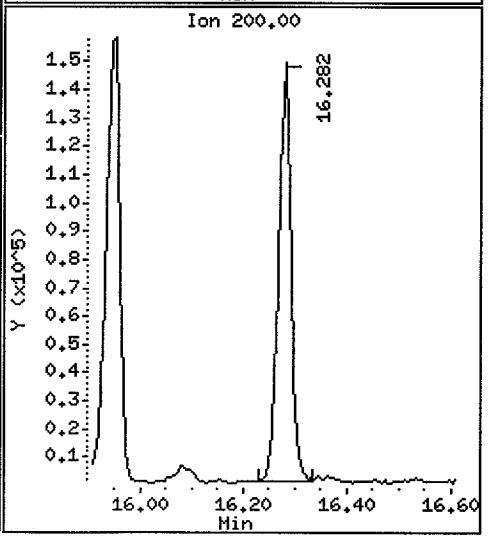


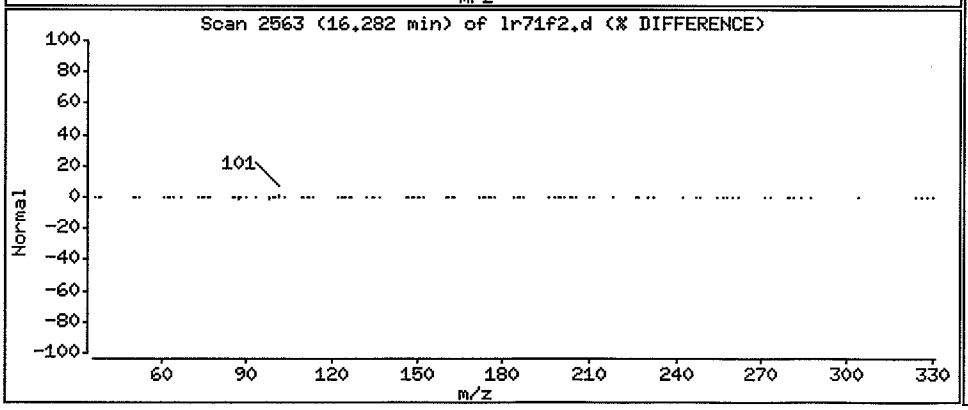












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

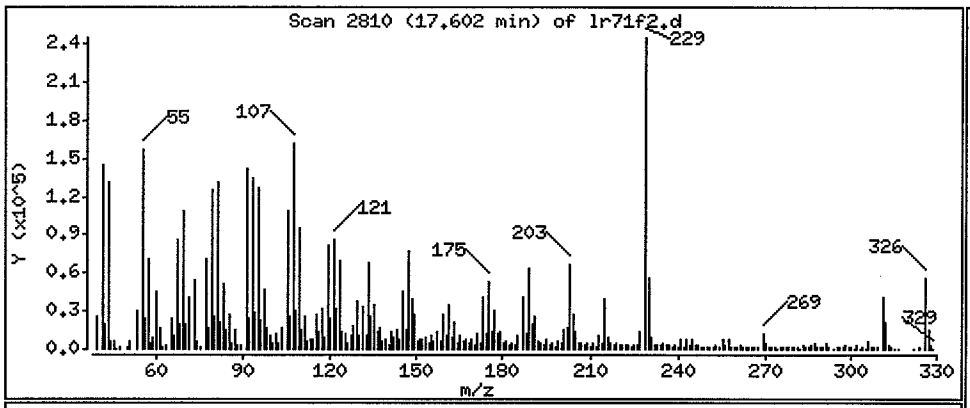
Operator: VTS

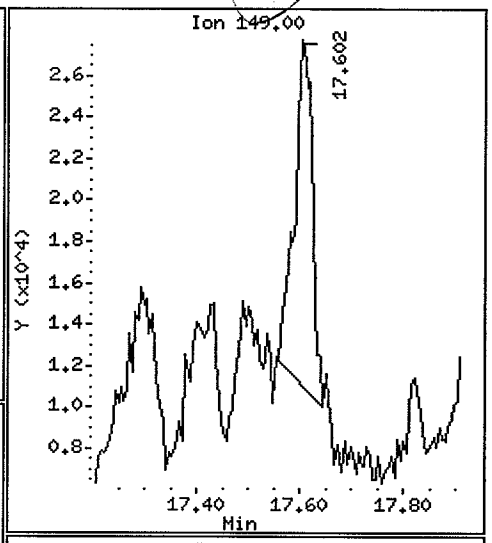
Column phase: ZB-5

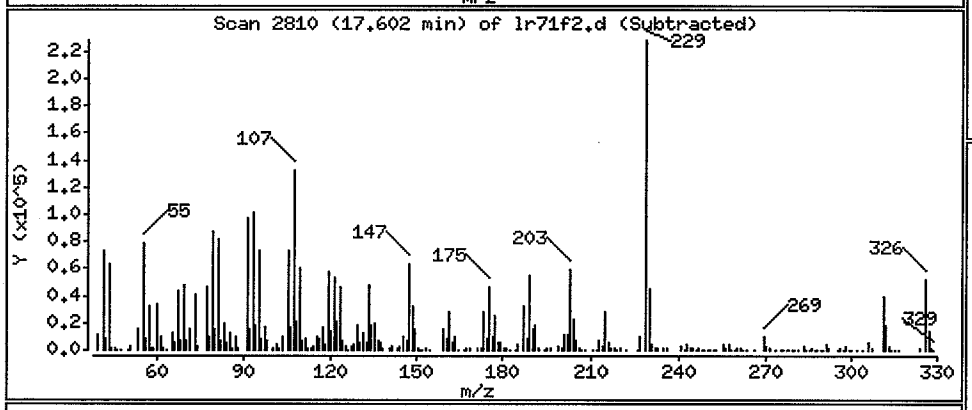
Column diameter: 0.32

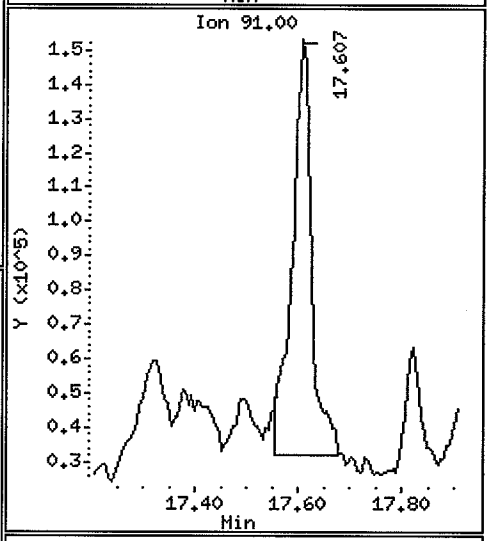
67 Butylbenzylphthalate

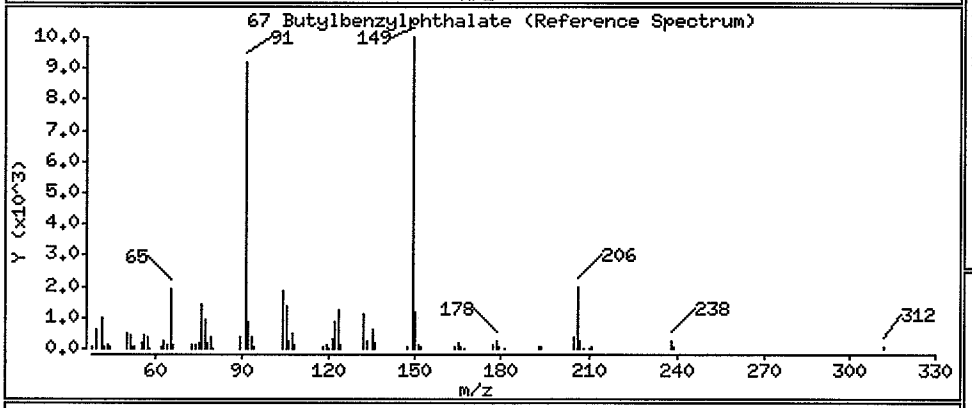
Concentration: 45.30 ug/Kg

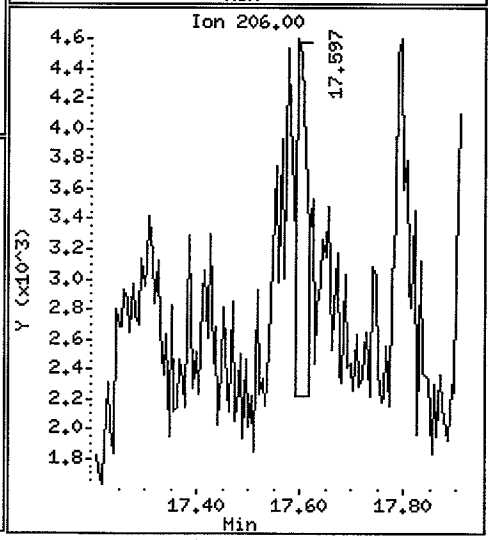


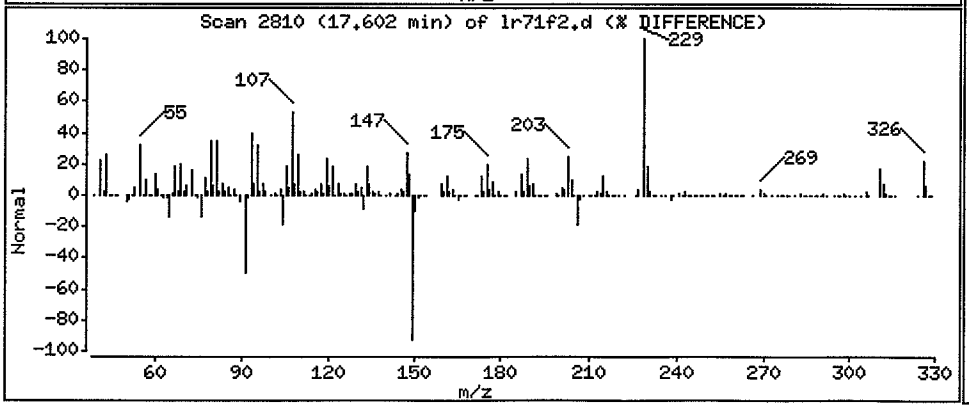












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

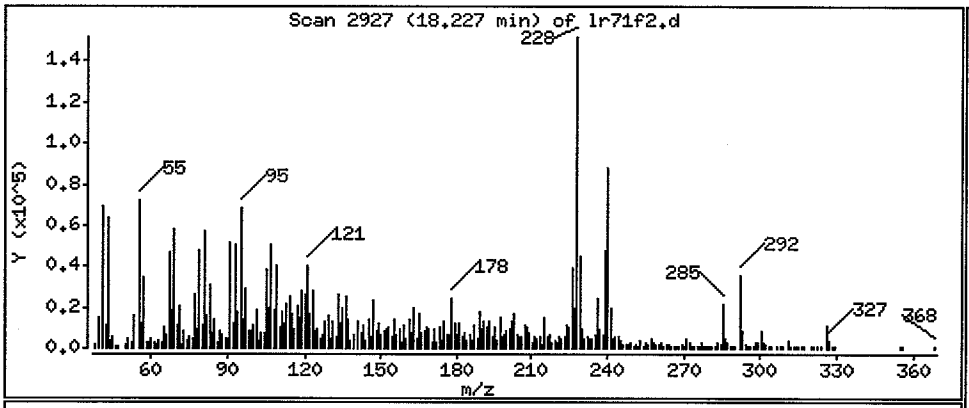
Operator: VTS

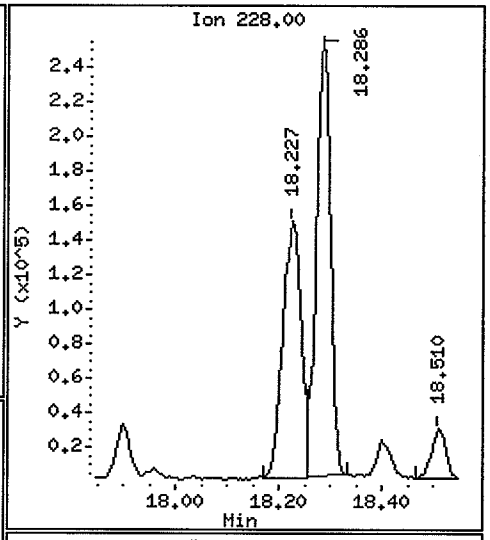
Column phase: ZB-5

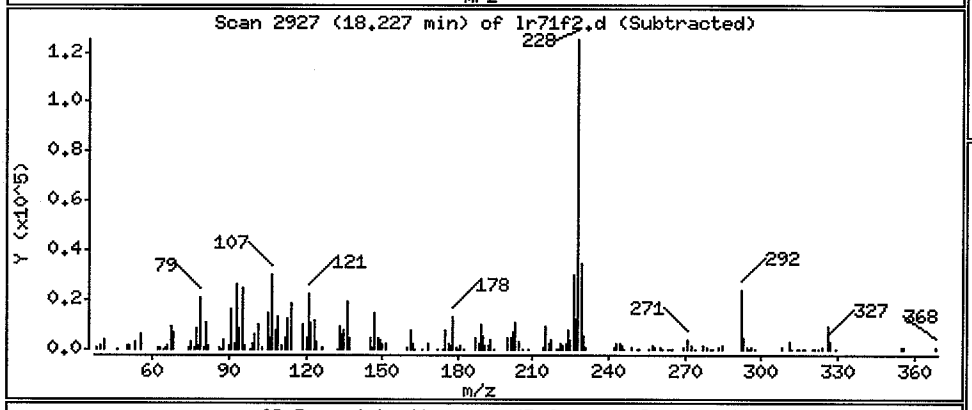
Column diameter: 0.32

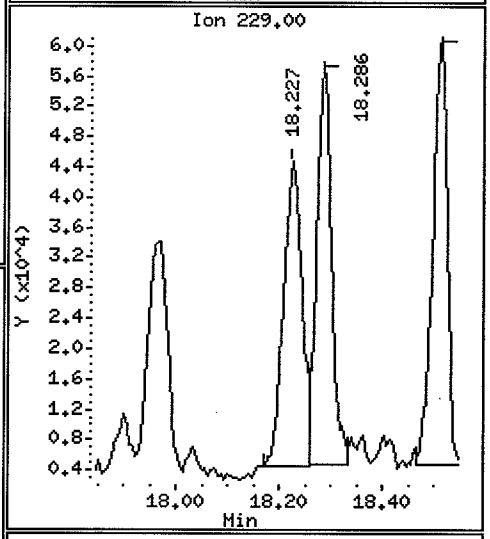
68 Benzo(a)anthracene

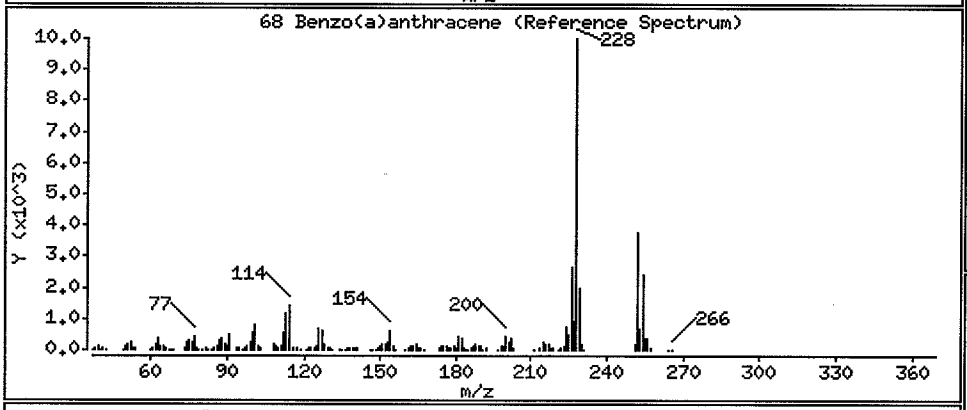
Concentration: 191.3 ug/Kg

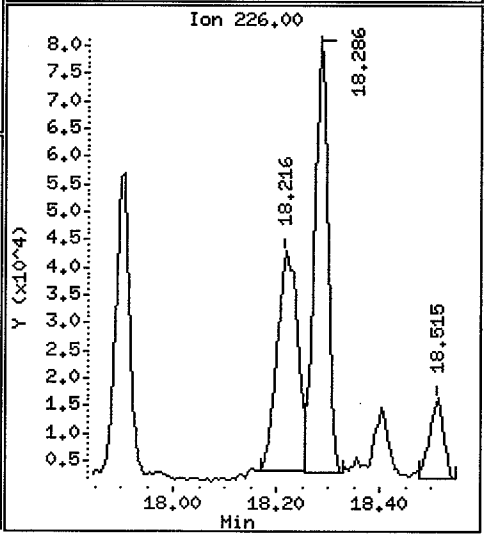


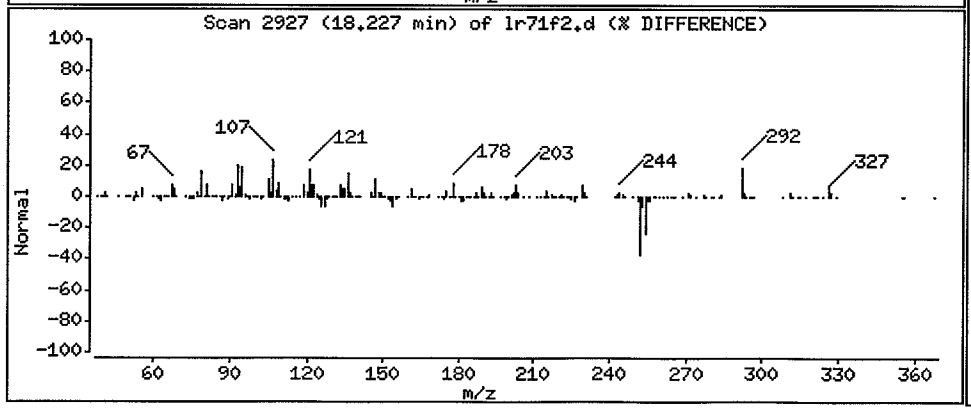












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

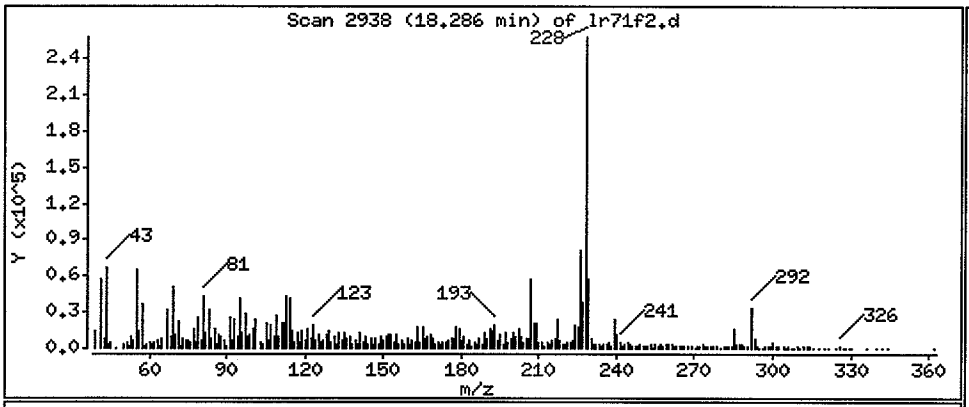
Operator: VTS

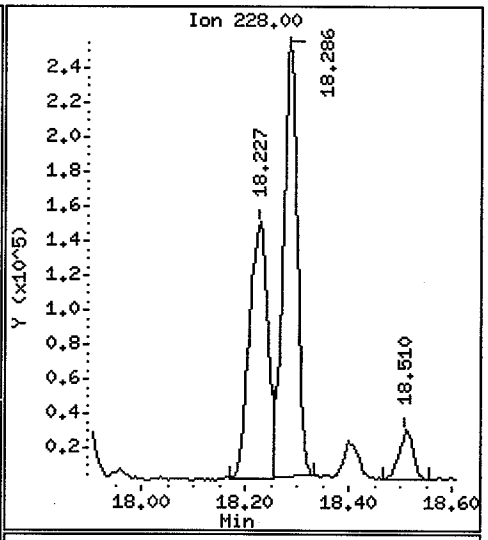
Column phase: ZB-5

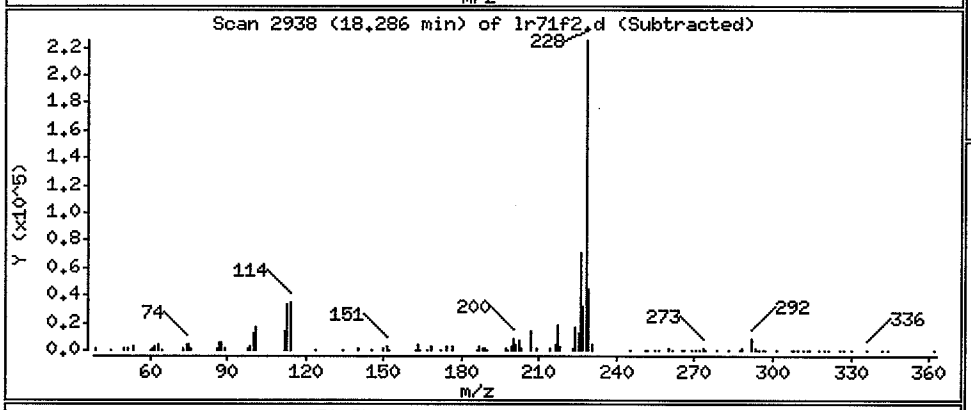
Column diameter: 0.32

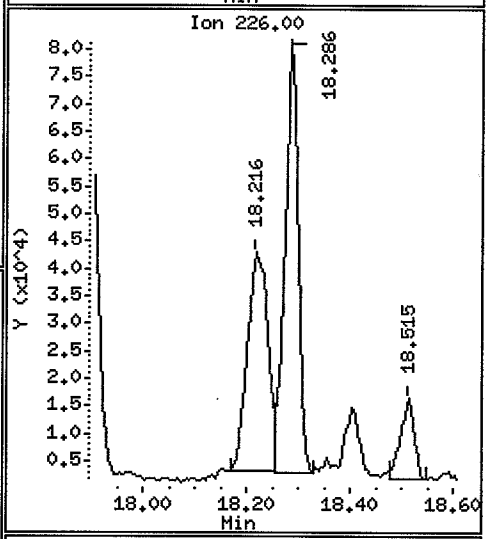
71 Chrysene

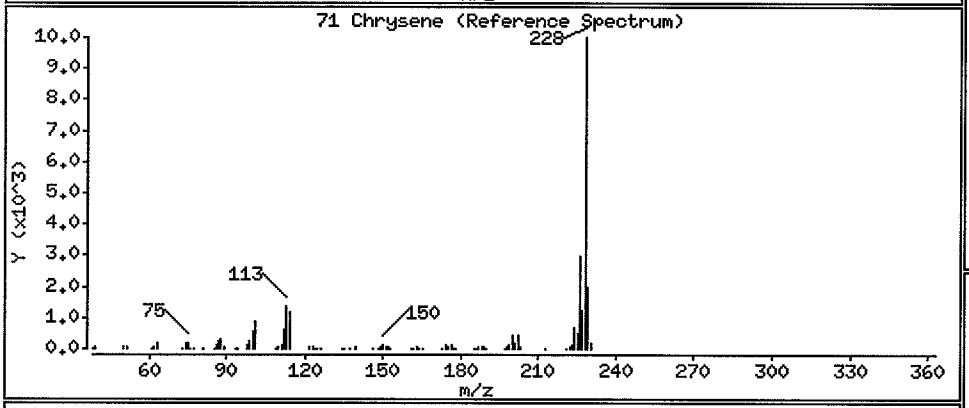
Concentration: 255.8 ug/Kg

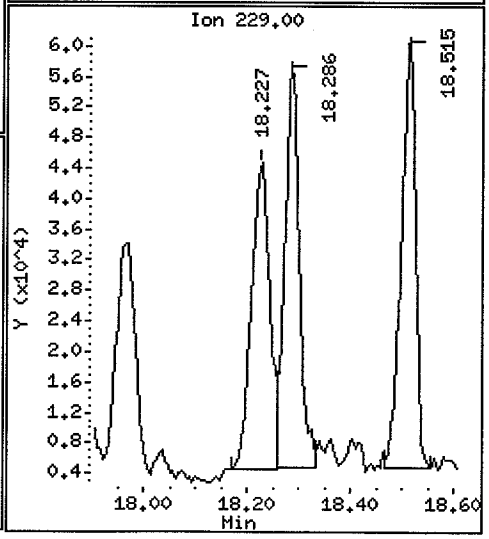


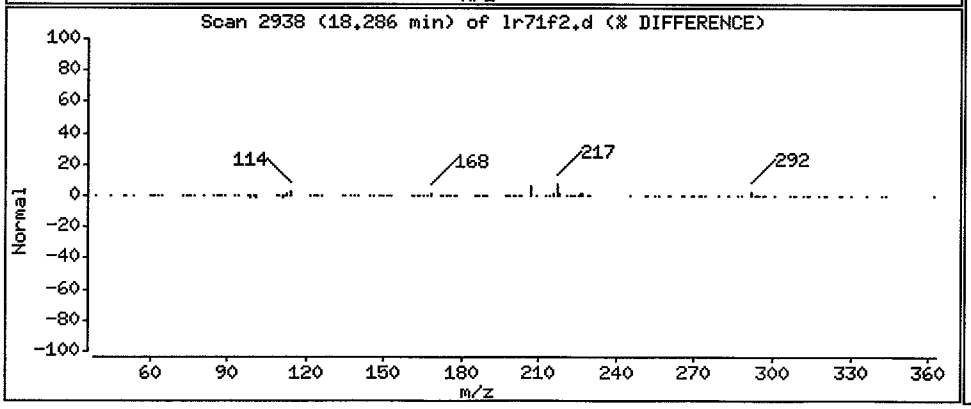












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

Operator: VTS

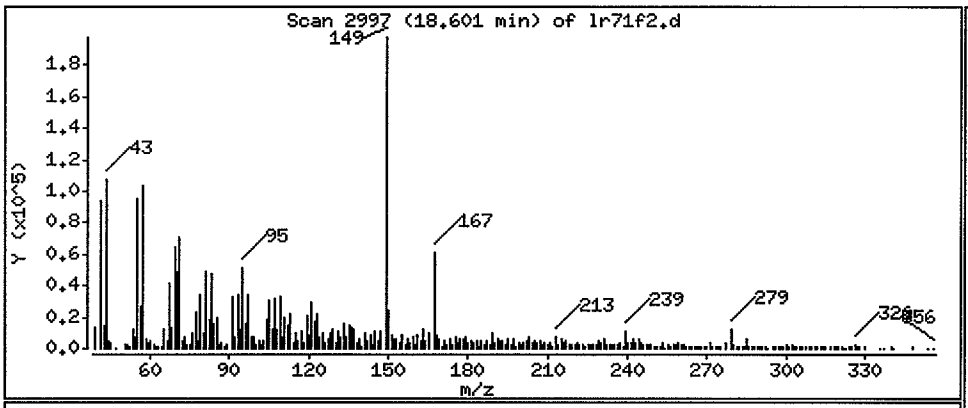
Column phase: ZB-5

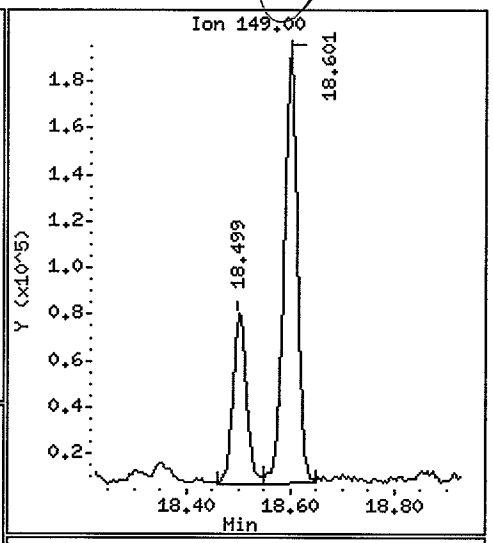
Column diameter: 0.32

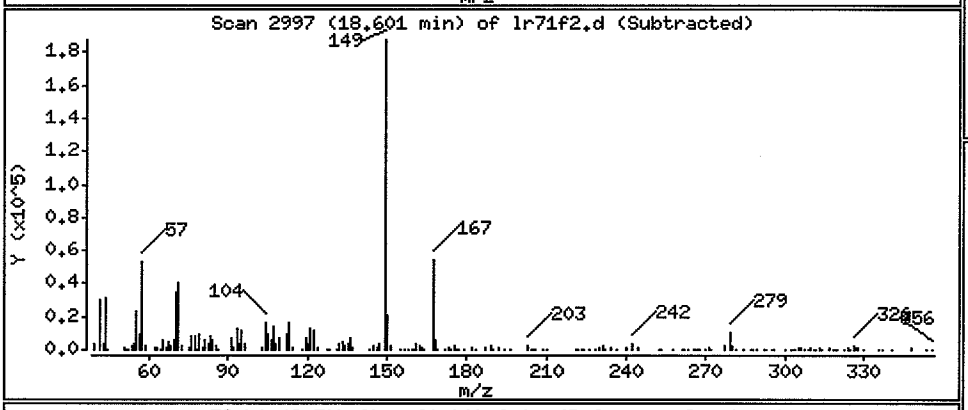
72 bis(2-Ethylhexyl)phthalate

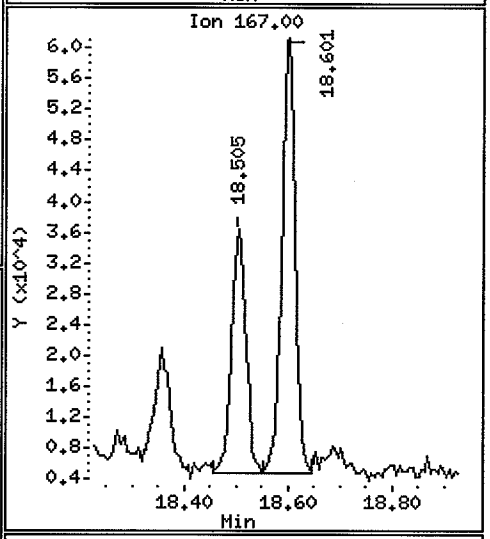
Concentration: 280.6 ug/Kg

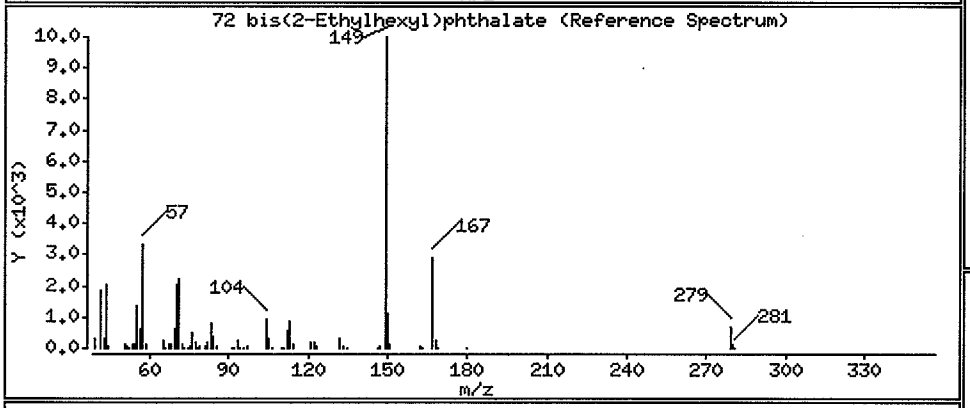
(B)

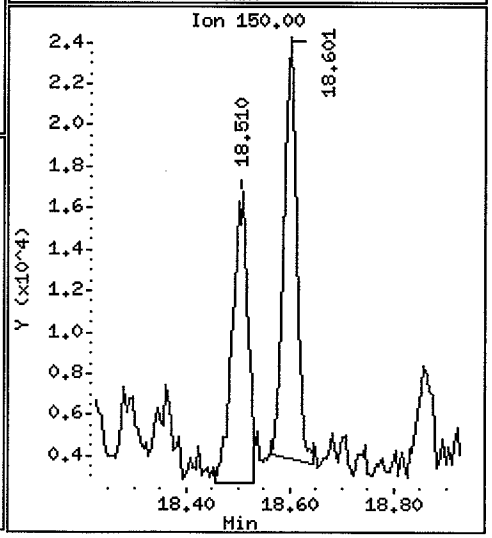


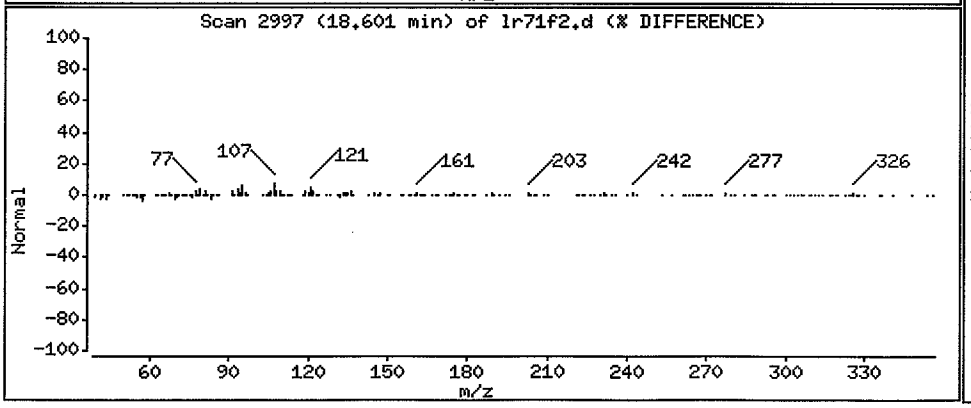












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

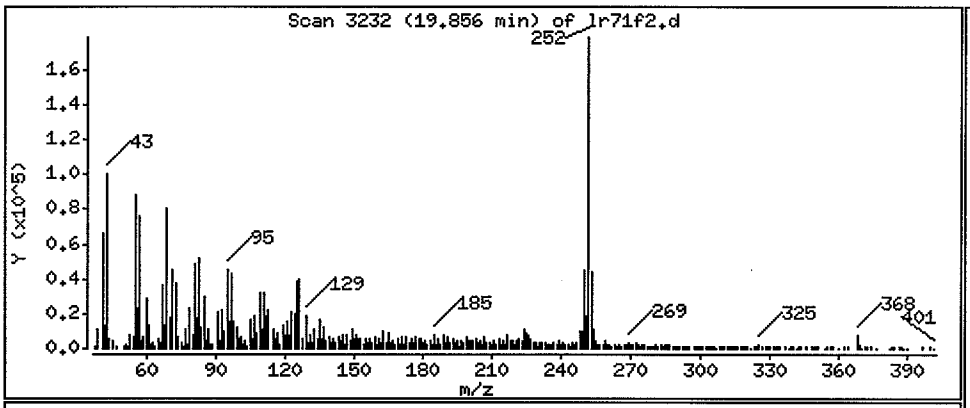
Operator: VTS

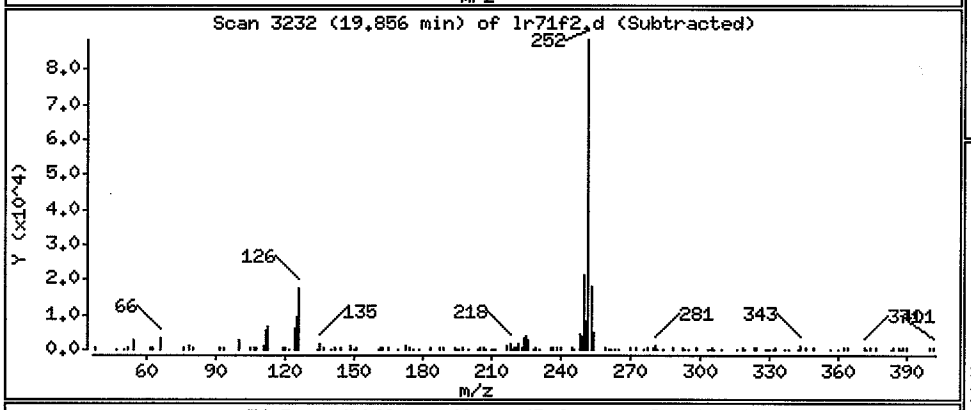
Column phase: ZB-5

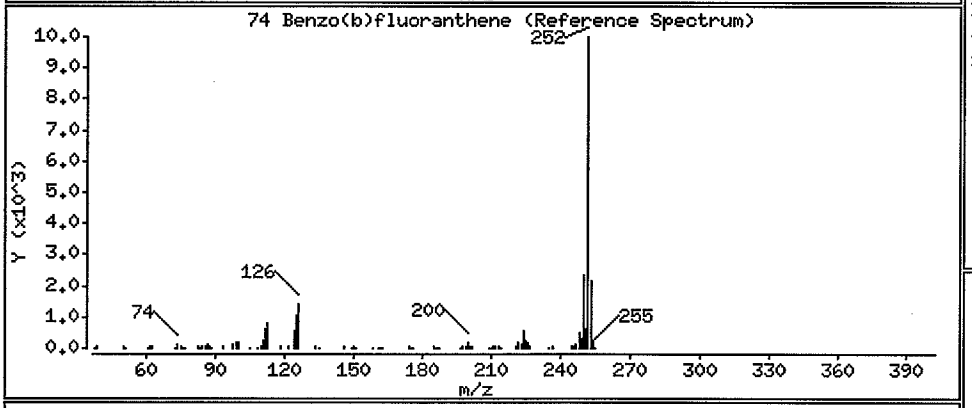
Column diameter: 0.32

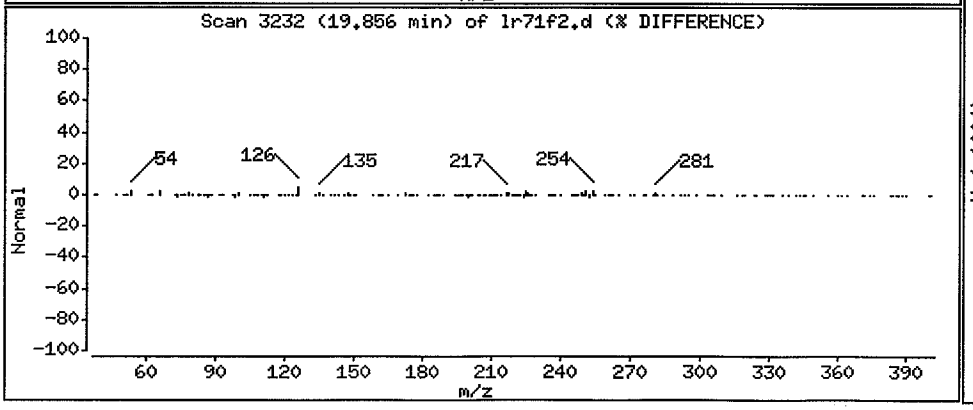
74 Benzo(b)fluoranthene

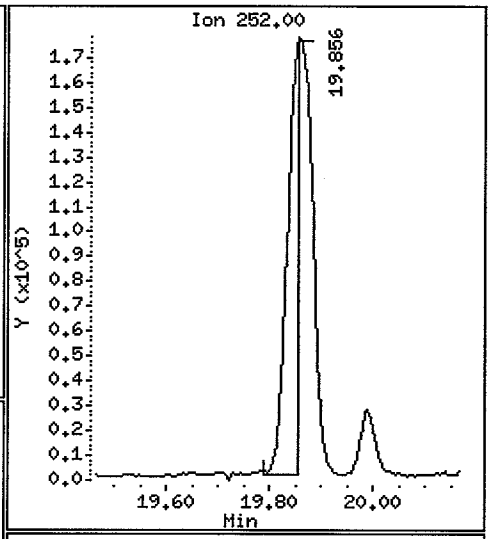
Concentration: 164.0 ug/Kg

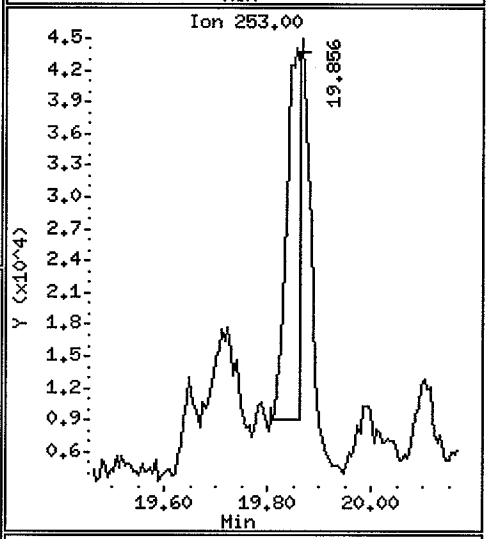


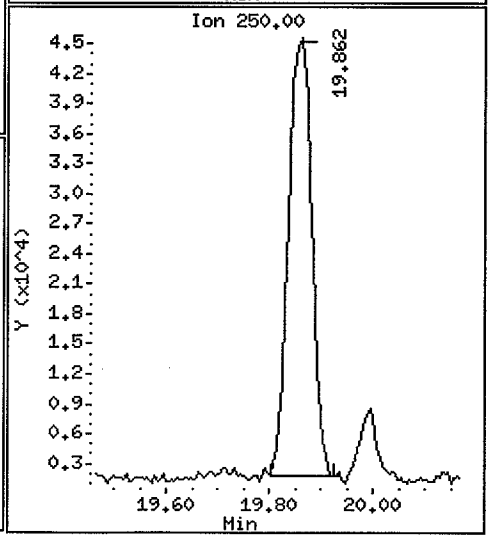












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

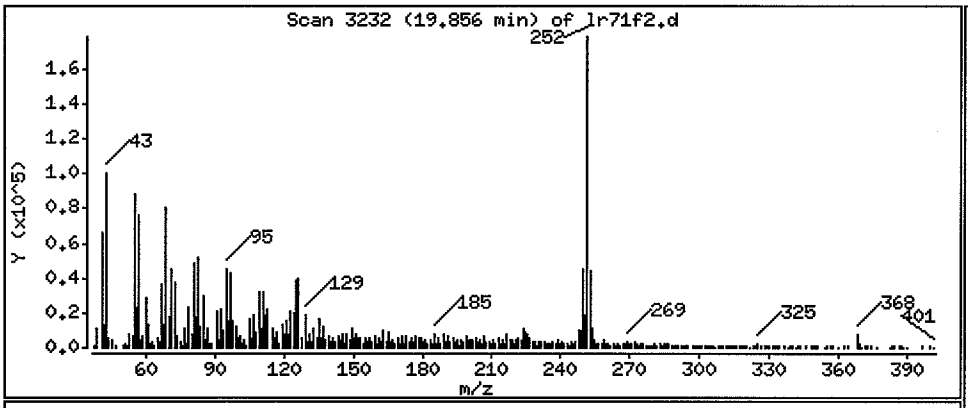
Operator: VTS

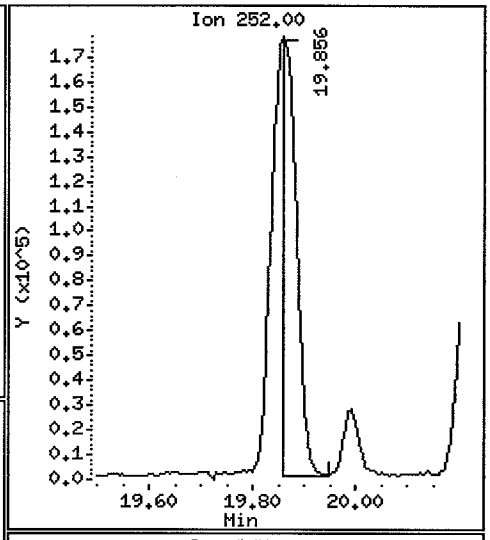
Column phase: ZB-5

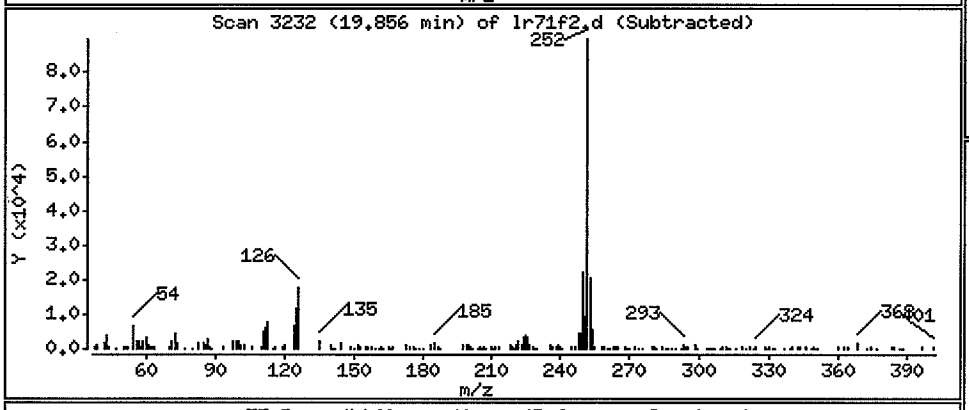
Column diameter: 0.32

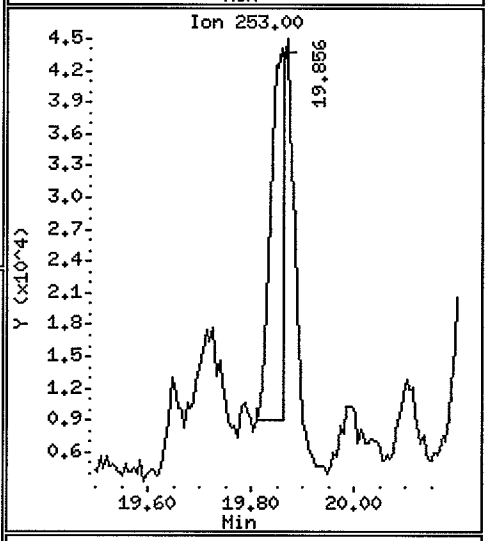
75 Benzo(k)fluoranthene

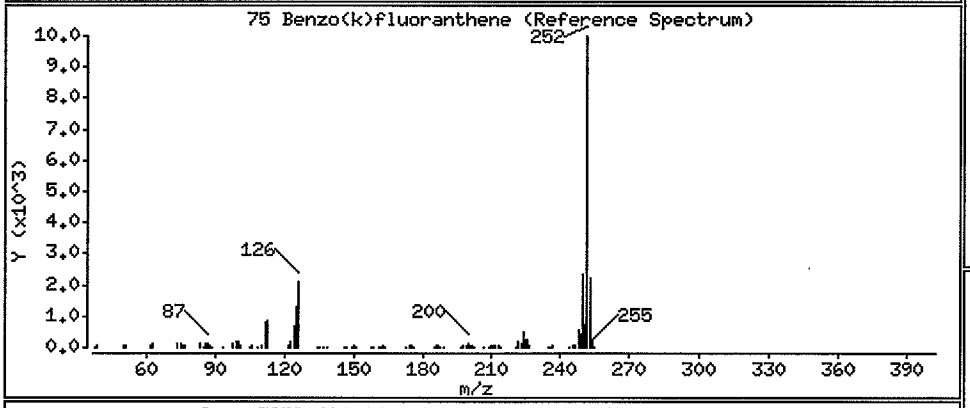
Concentration: 184.4 ug/Kg

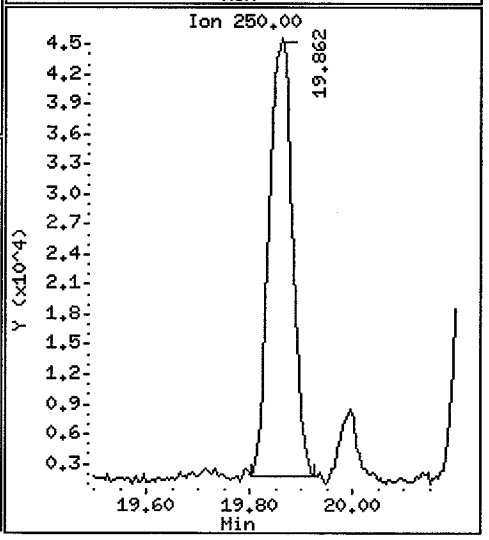


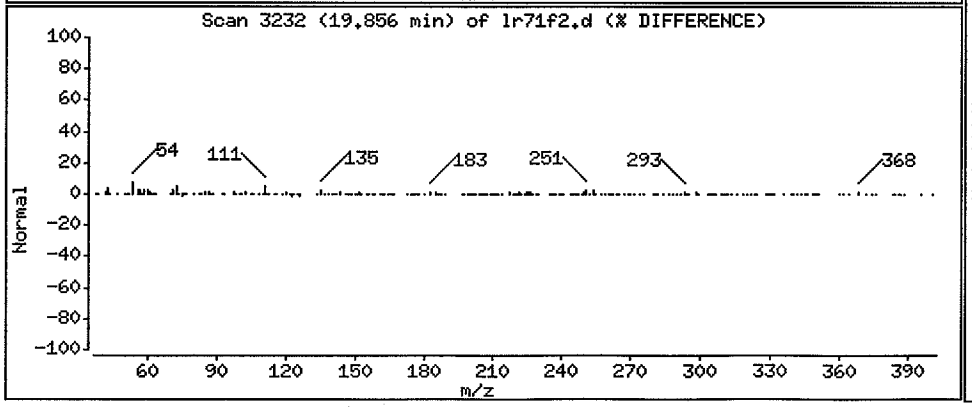












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

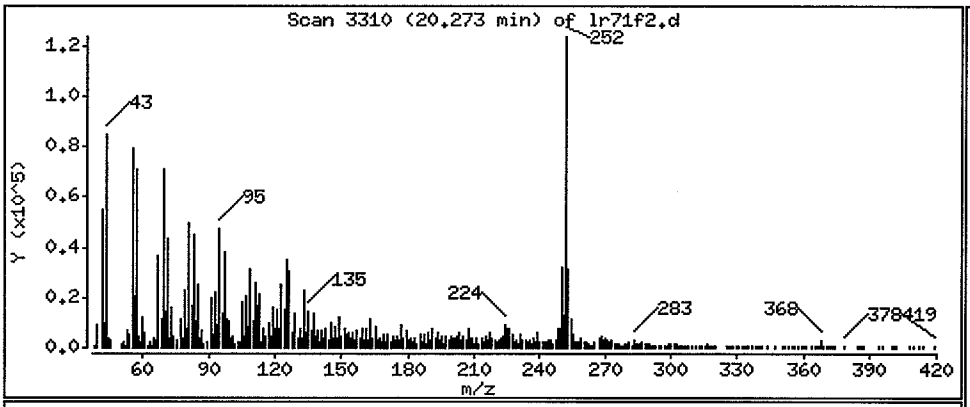
Operator: VTS

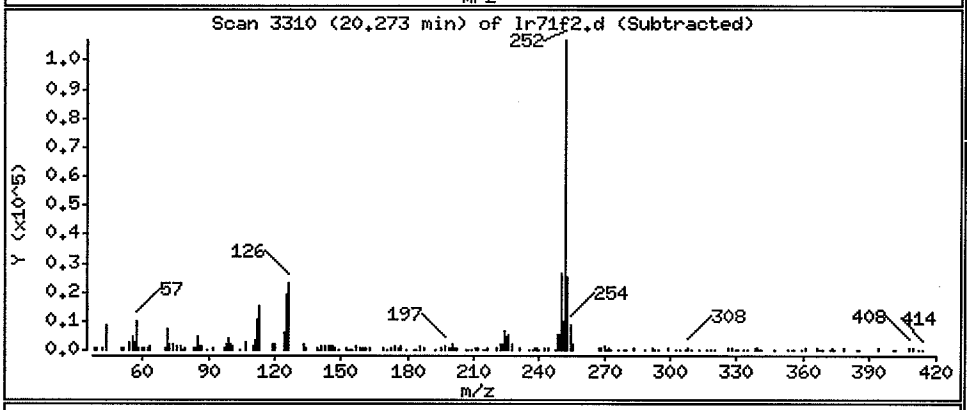
Column phase: ZB-5

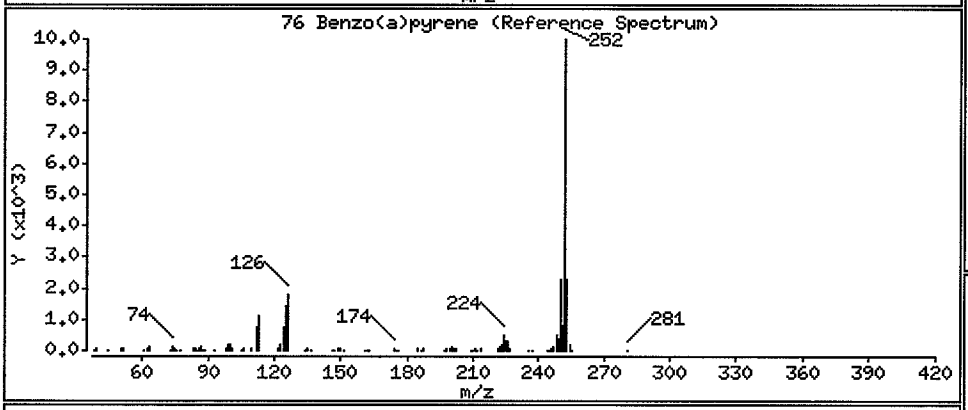
Column diameter: 0.32

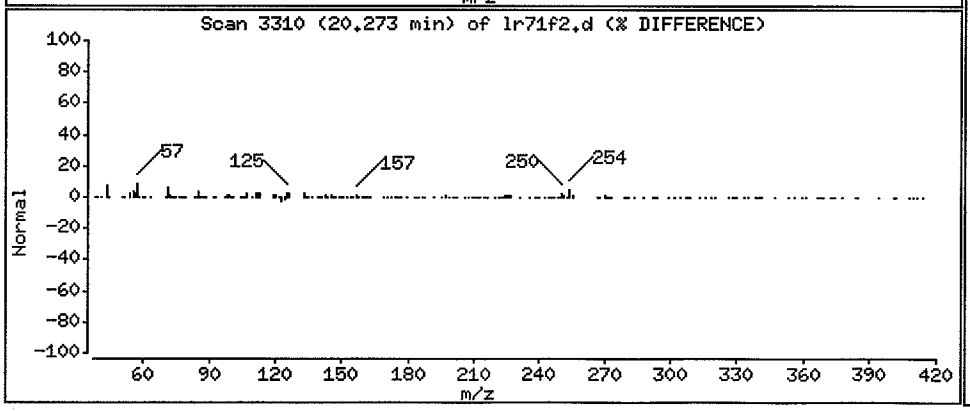
76 Benzo(a)pyrene

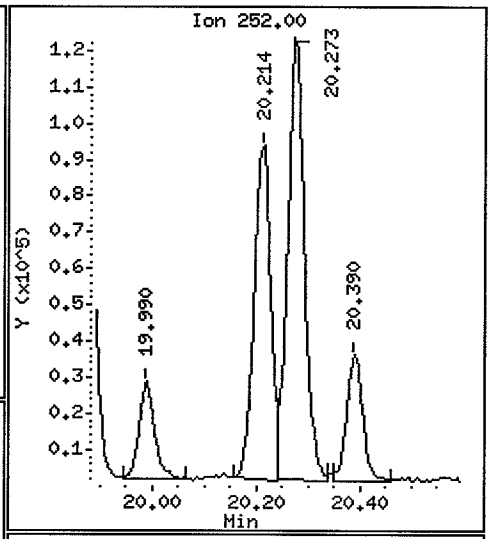
Concentration: 174.0 ug/Kg

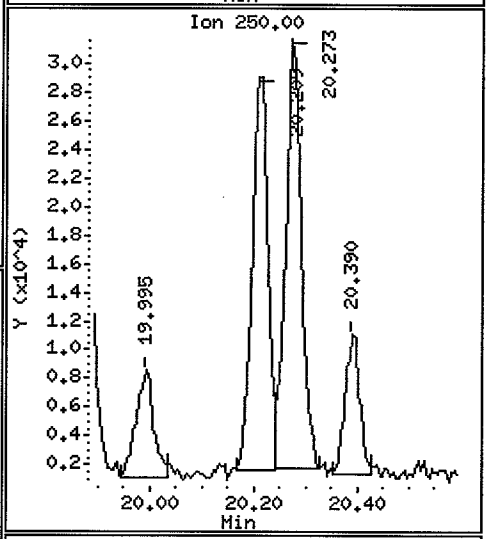


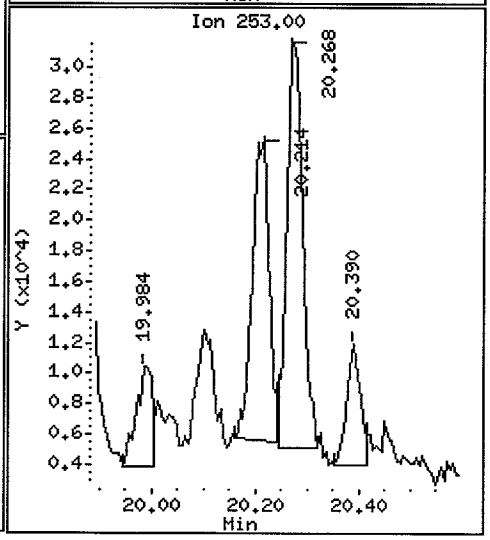












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

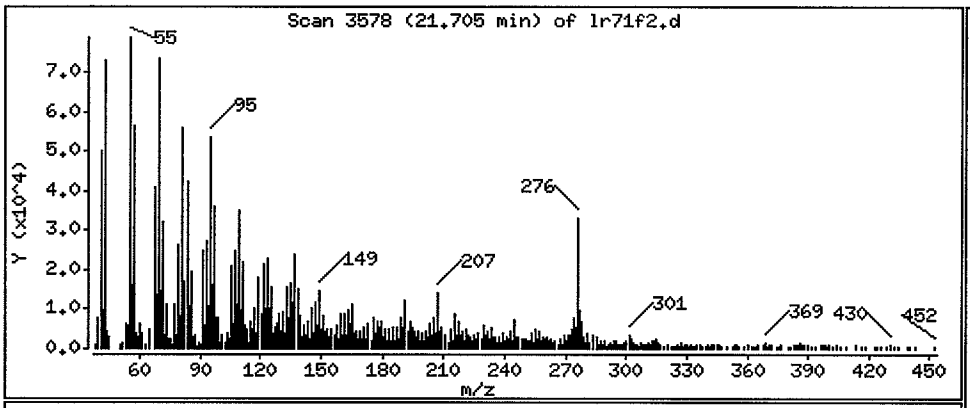
Operator: VTS

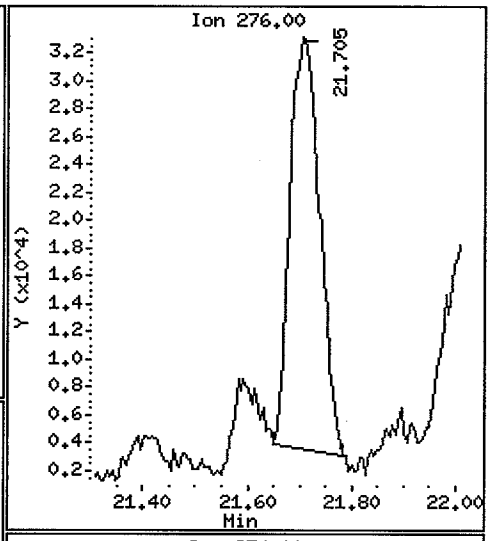
Column phase: ZB-5

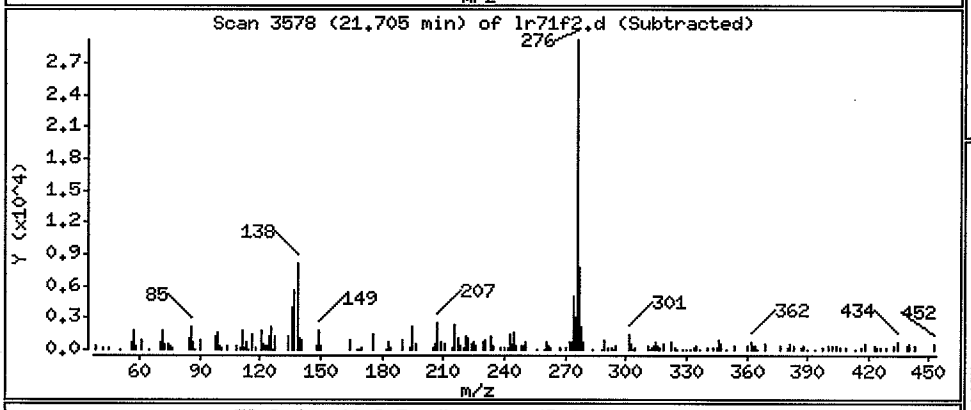
Column diameter: 0.32

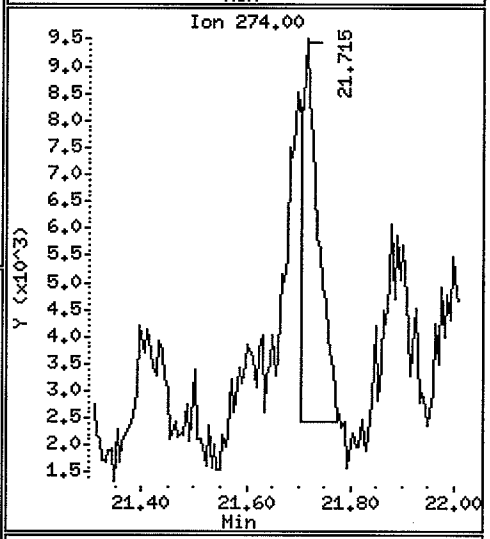
78 Indeno(1,2,3-cd)pyrene

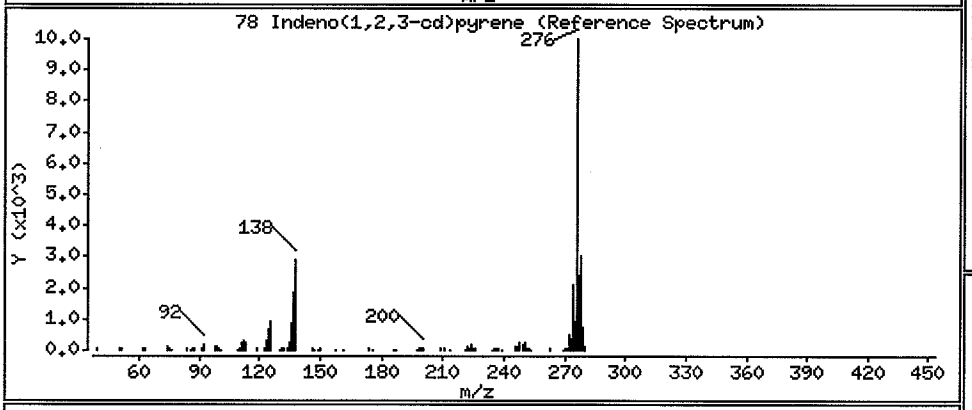
Concentration: 66.98 ug/Kg

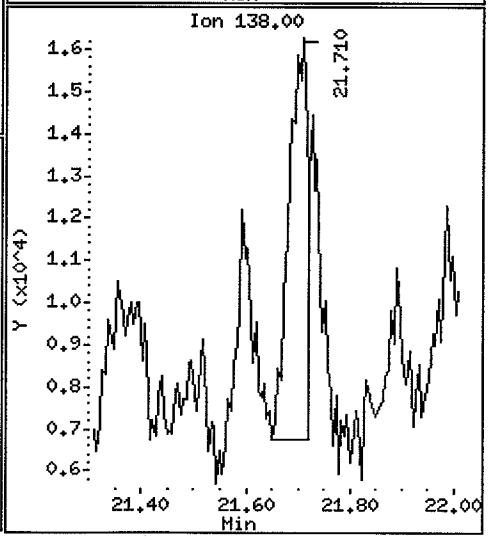


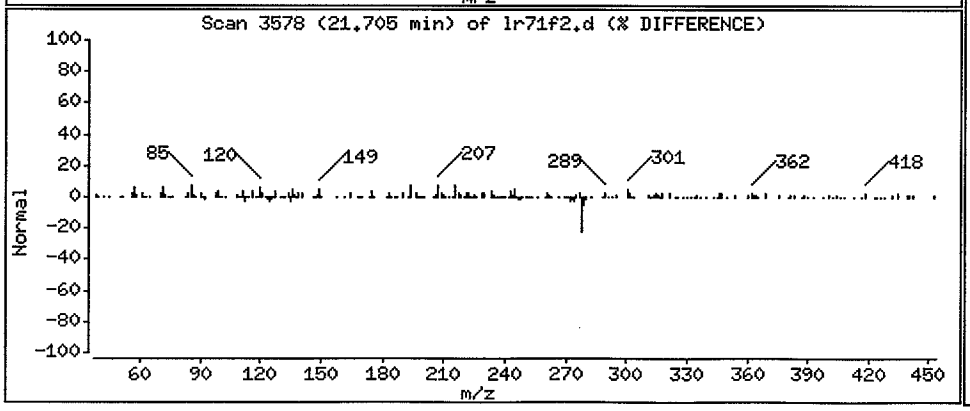












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

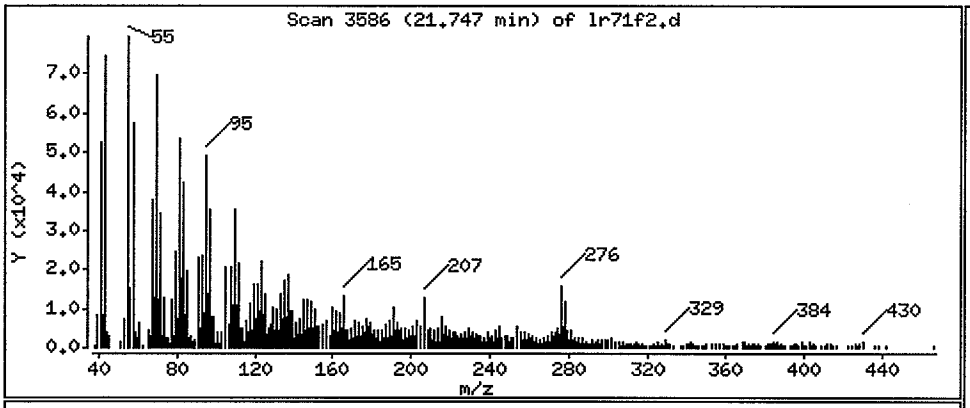
Operator: VTS

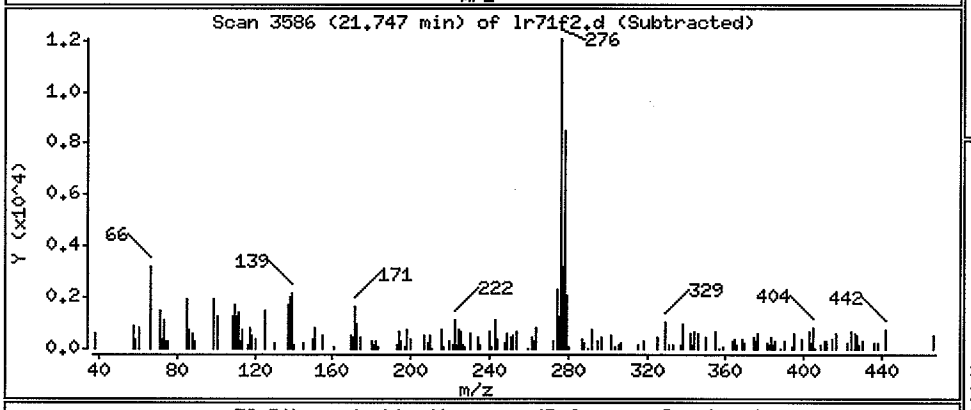
Column phase: ZB-5

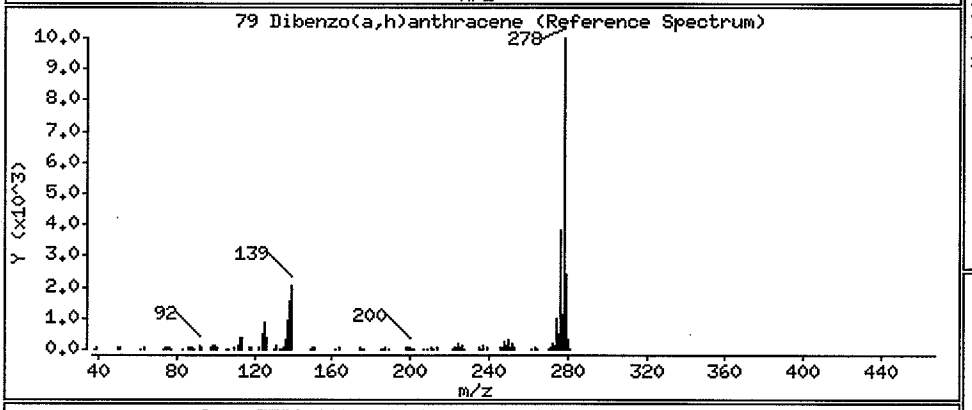
Column diameter: 0.32

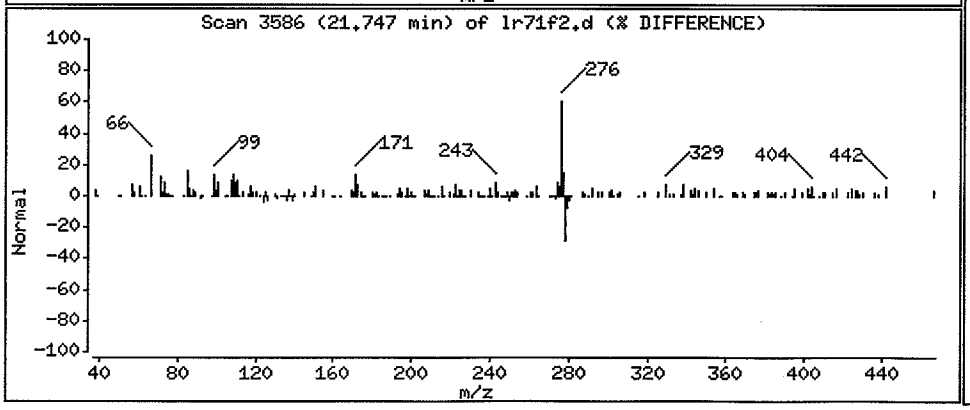
79 Dibenzo(a,h)anthracene

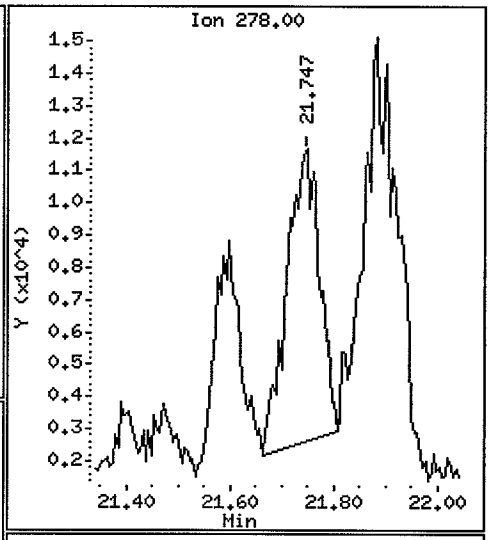
Concentration: 27.59 ug/Kg

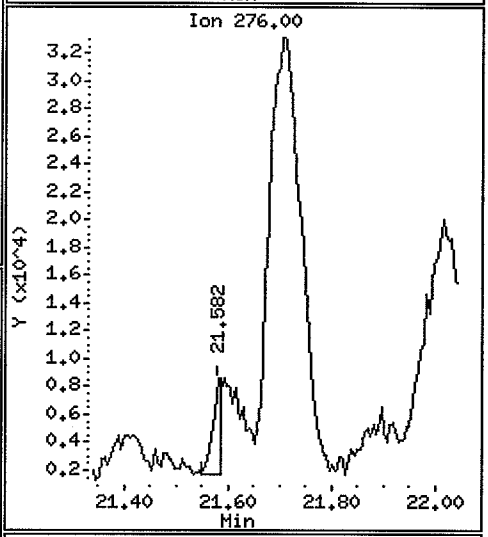


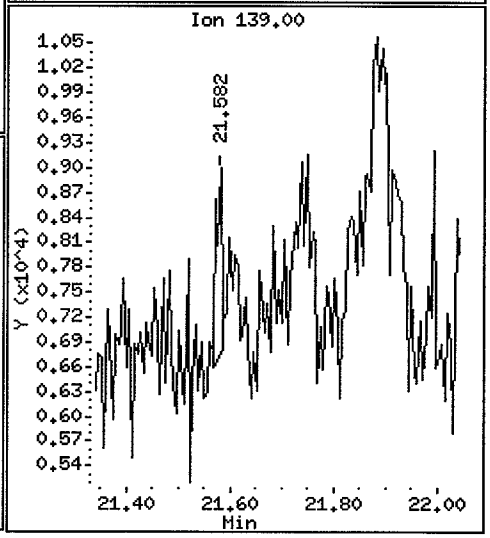












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

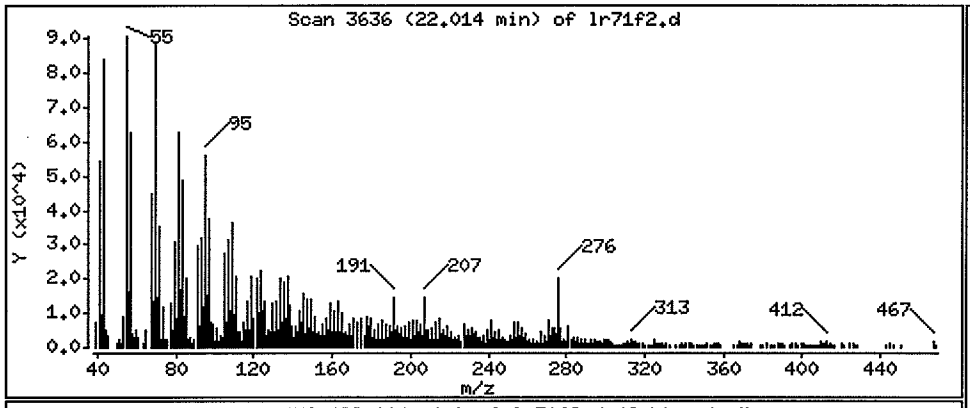
Operator: VTS

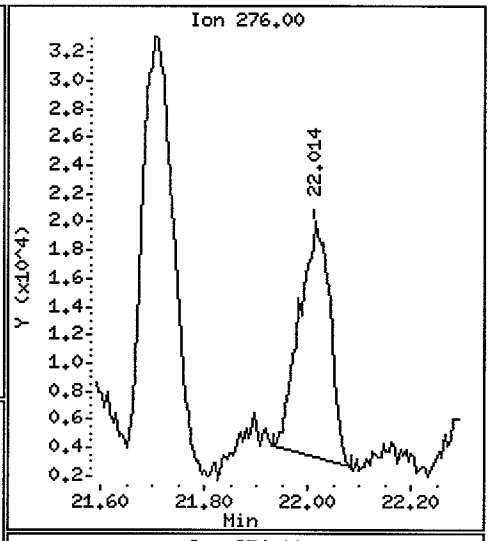
Column phase: ZB-5

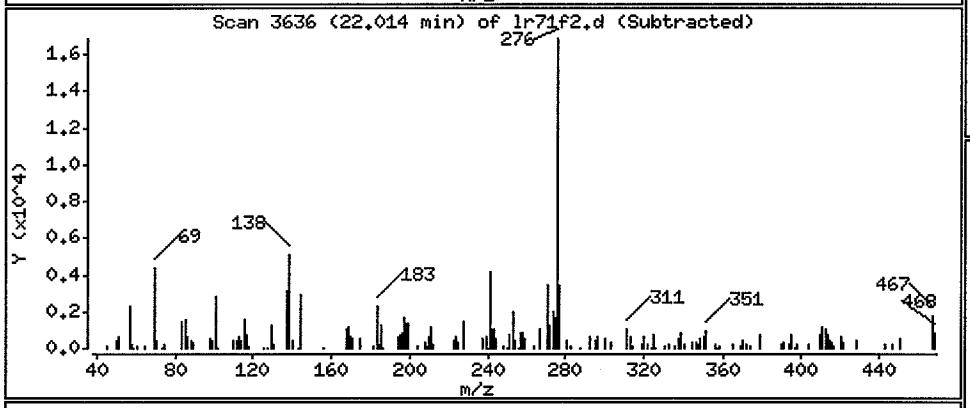
Column diameter: 0.32

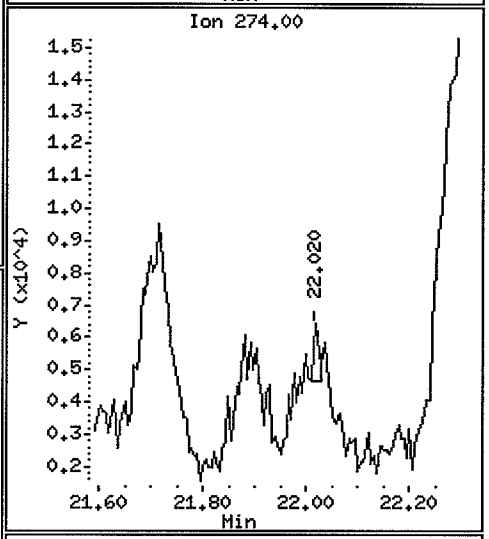
80 Benzo(g,h,i)perylene

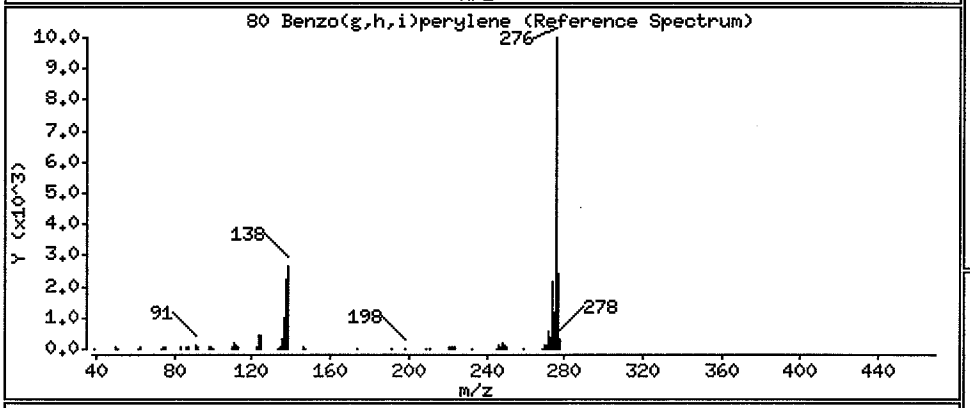
Concentration: 43.67 ug/Kg

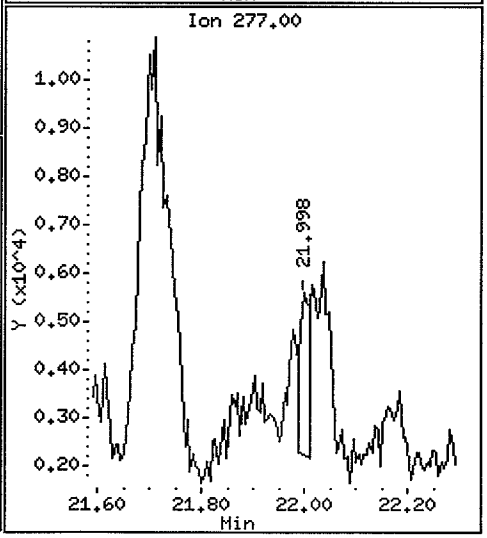


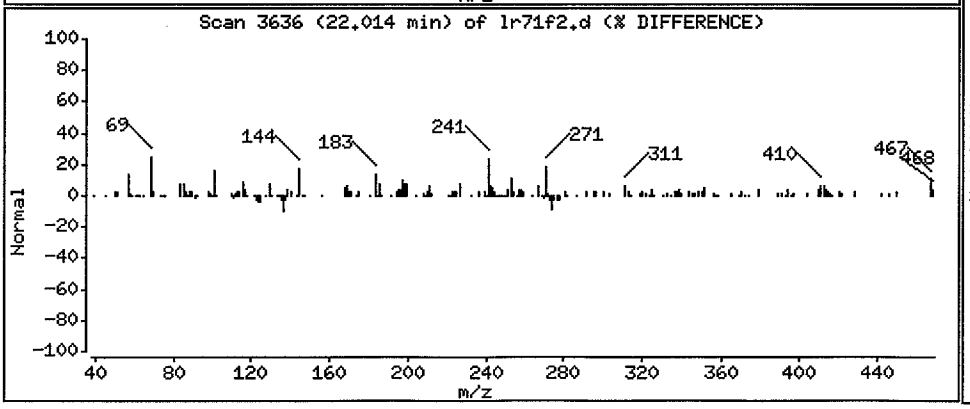












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

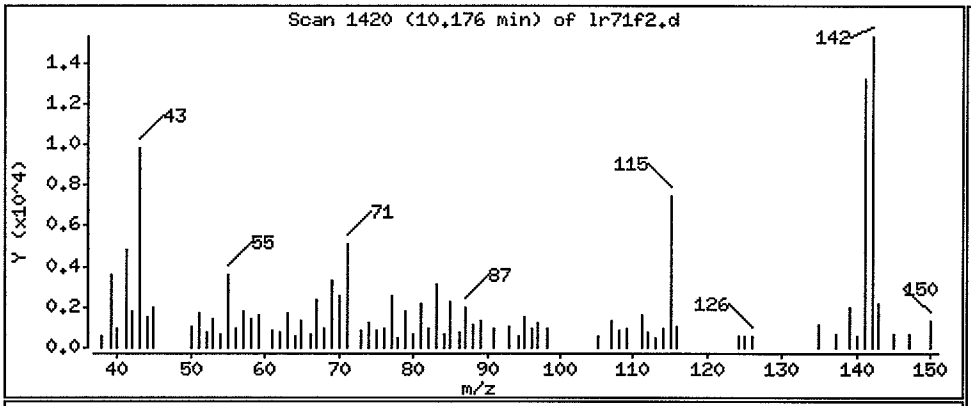
Operator: VTS

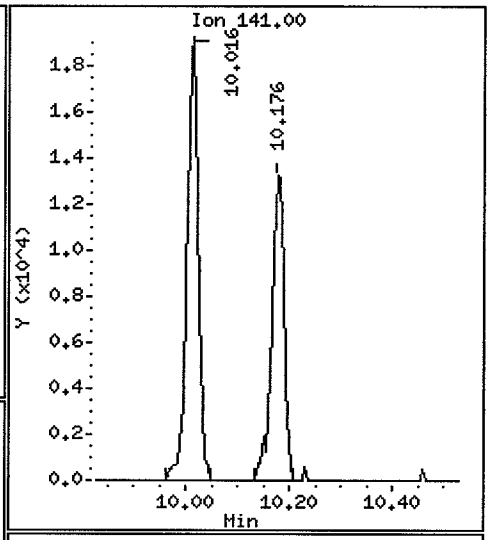
Column phase: ZB-5

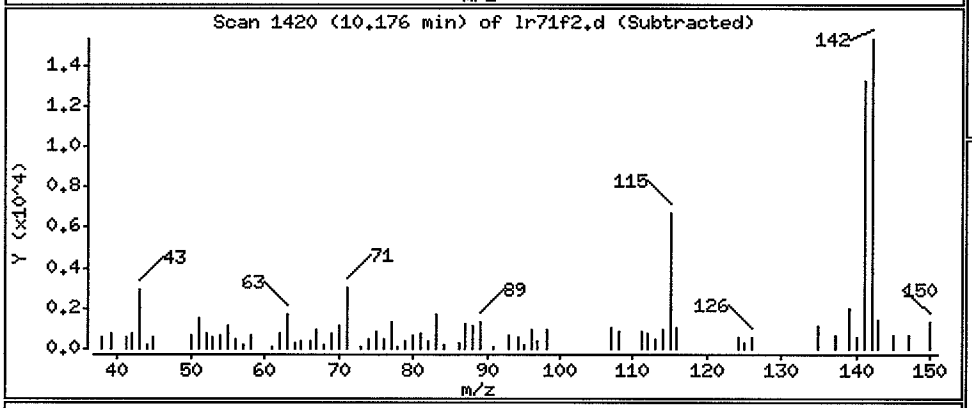
Column diameter: 0.32

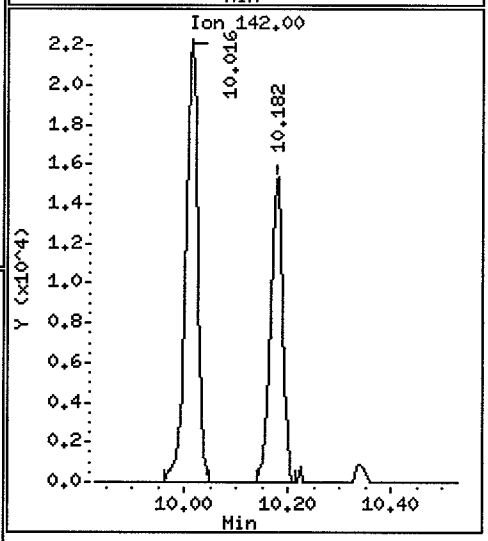
105 1-methylnaphthalene

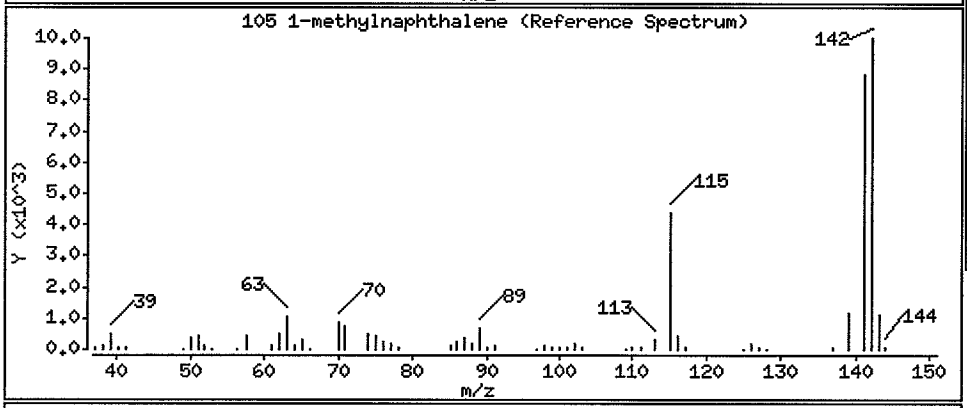
Concentration: 22.41 ug/Kg

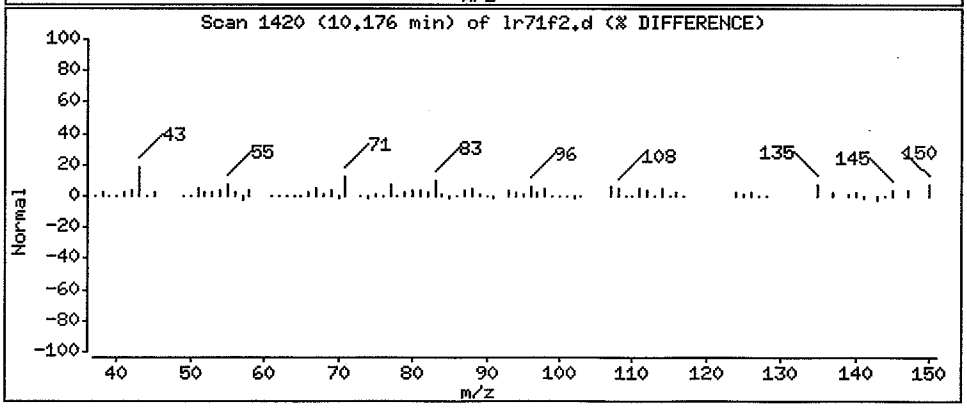




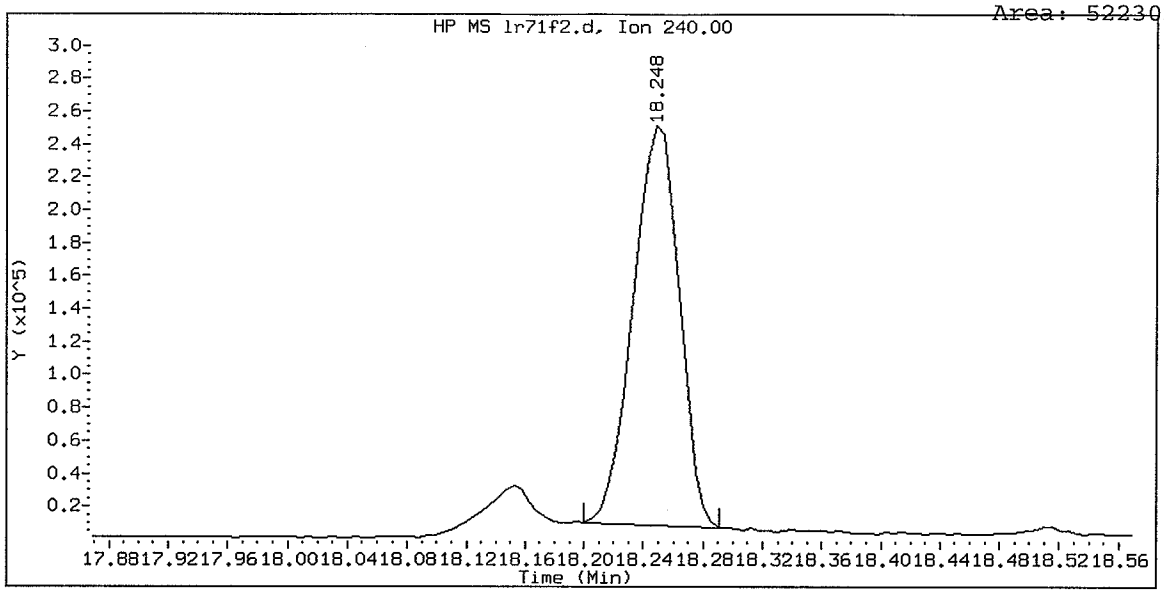


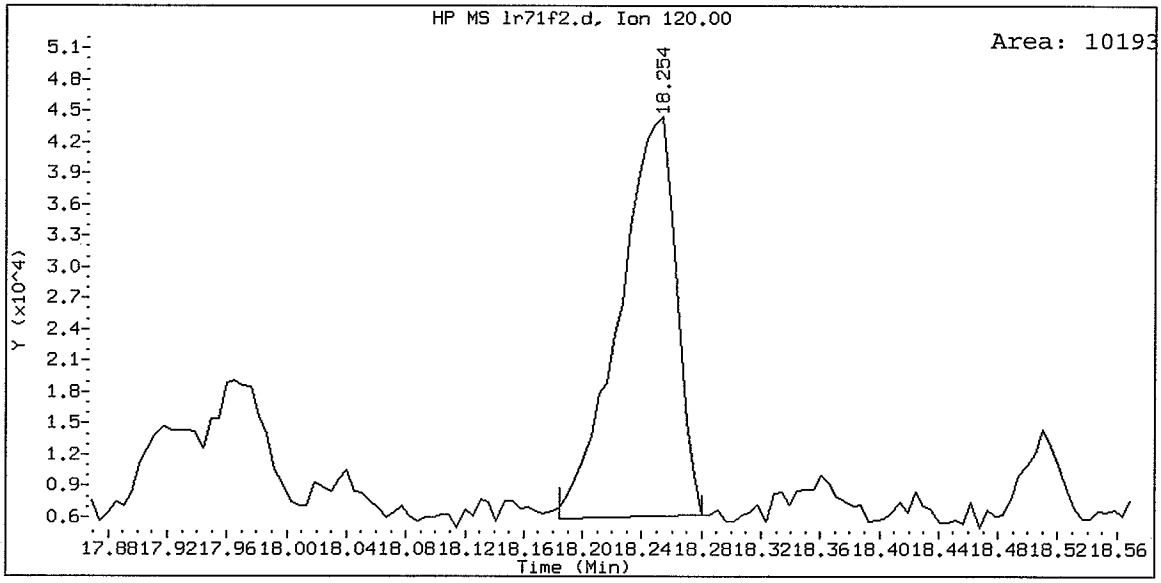


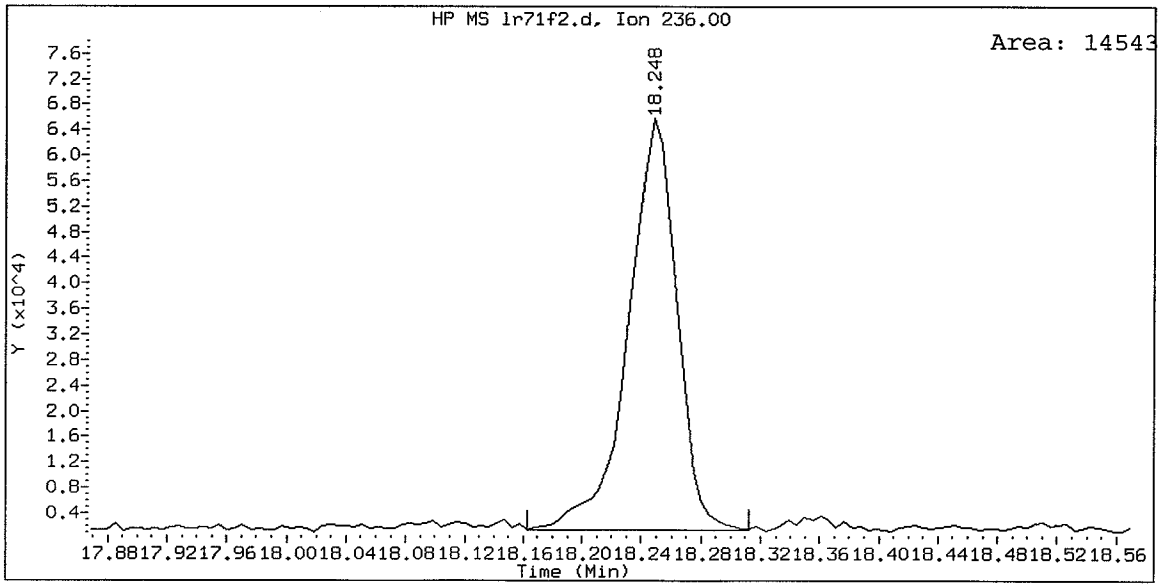




LR71FRE, /chem3/nt4.i/20071101.b/lr71f2.d
Chrysene-d12 Amount: 20.00







Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

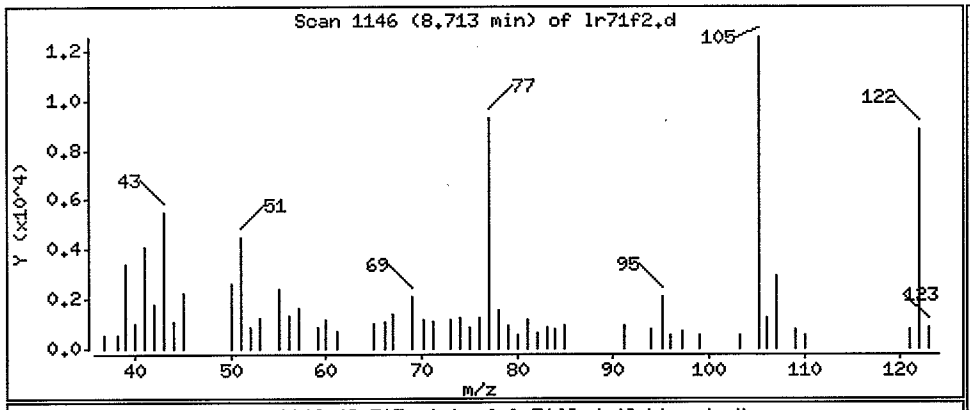
Operator: VTS

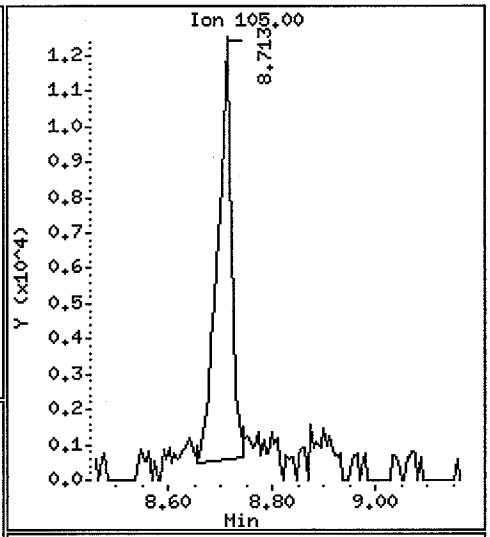
Column phase: ZB-5

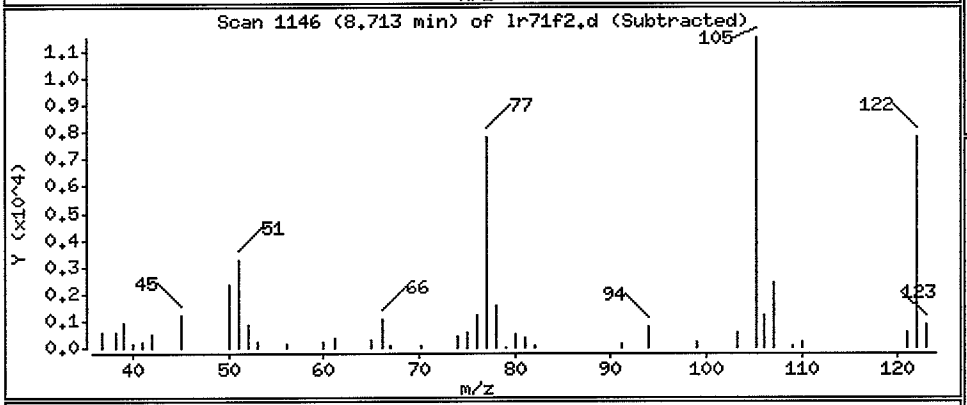
Column diameter: 0.32

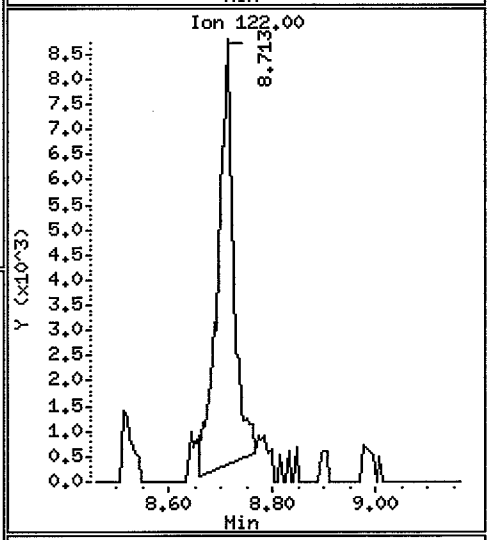
24 Benzoic acid

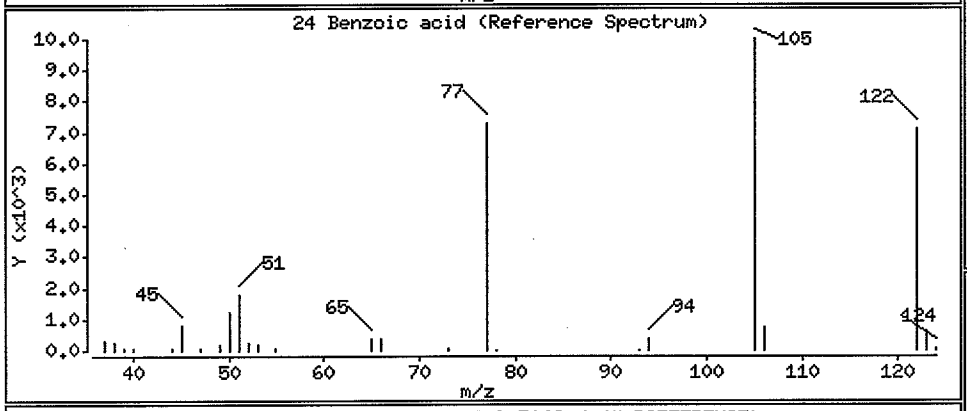
Concentration: 43.90 ug/Kg

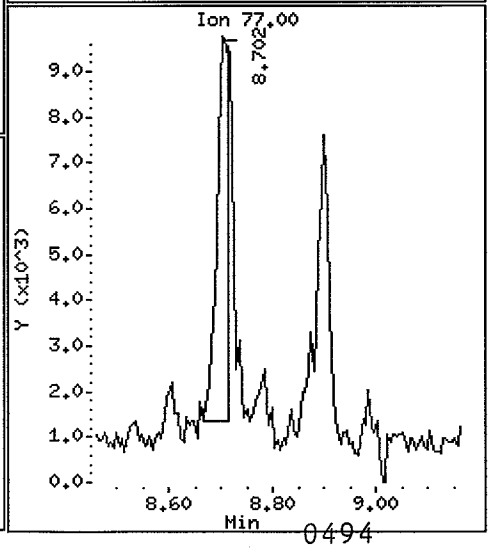


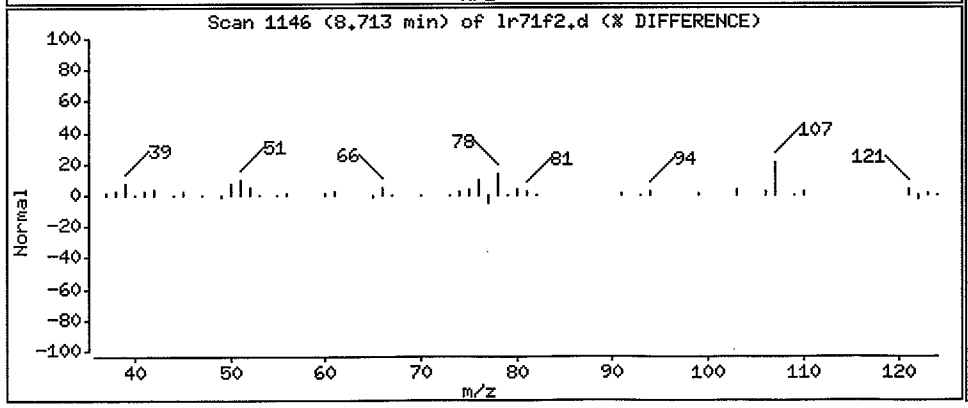












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

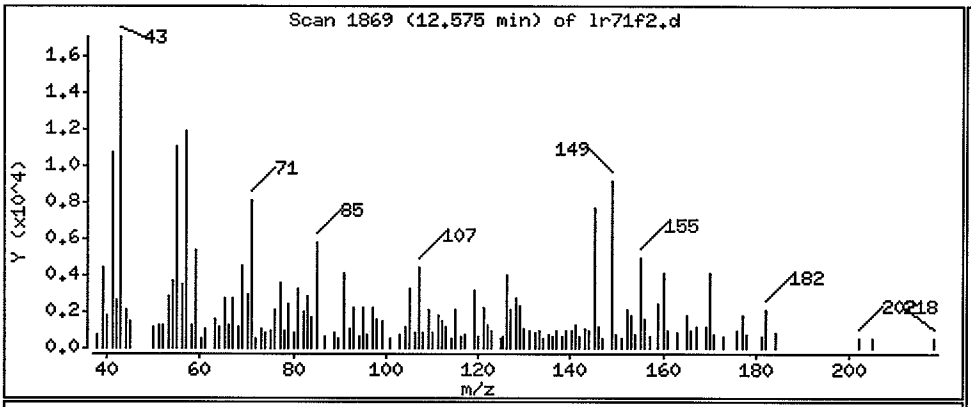
Operator: VTS

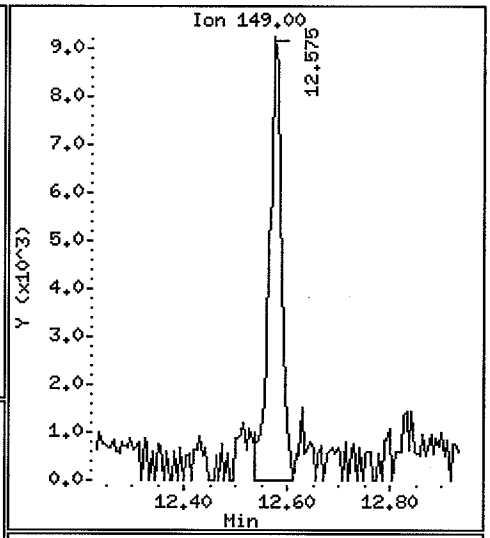
Column phase: ZB-5

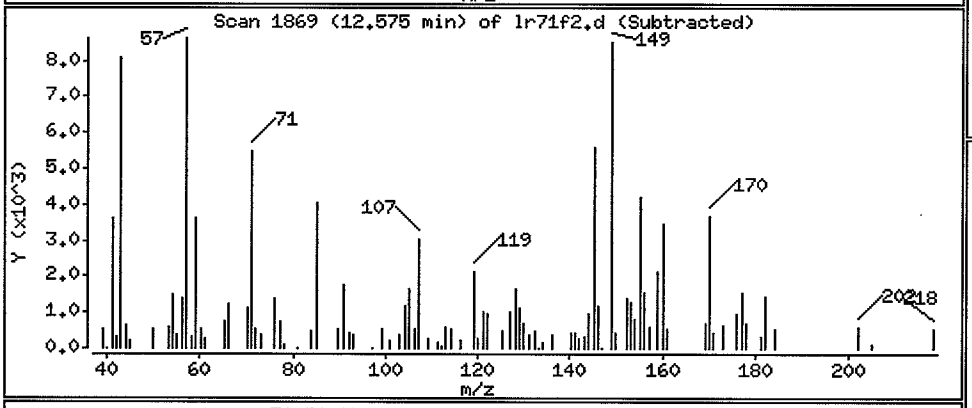
Column diameter: 0.32

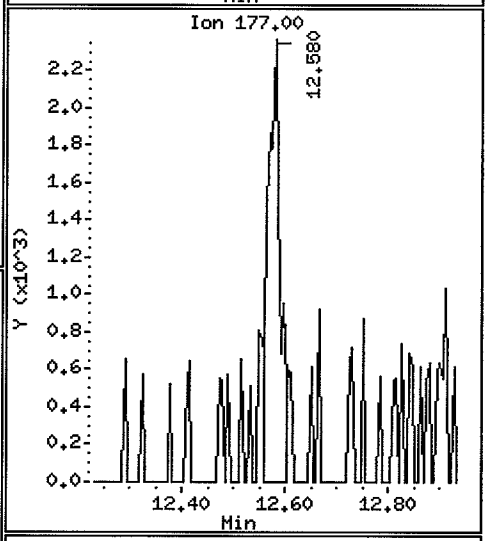
50 Diethylphthalate

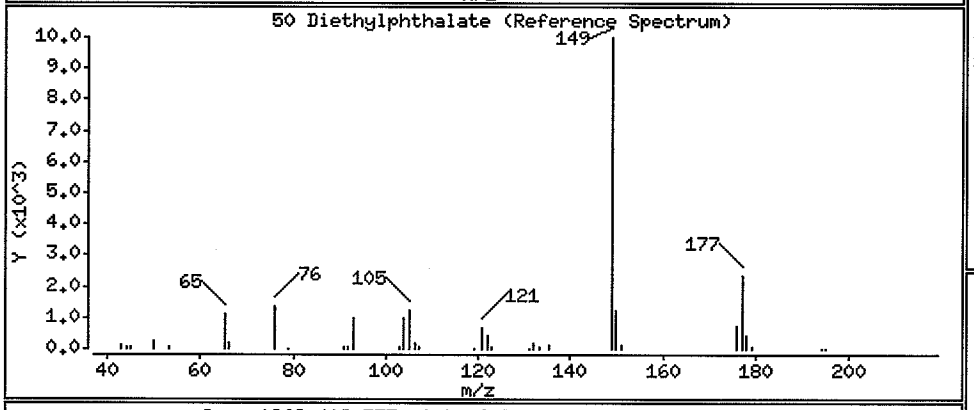
Concentration: 13.74 ug/Kg

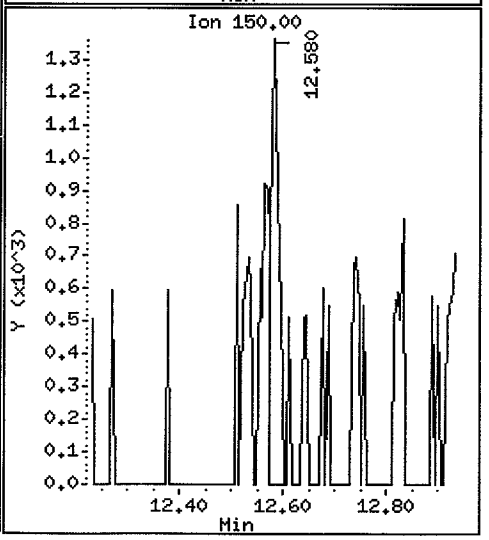


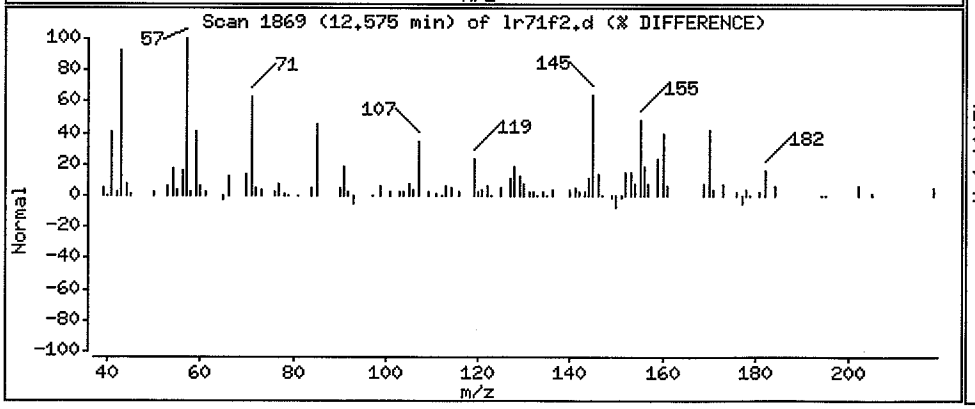












Data File: /chem3/nt4.i/20071101.b/lr71f2.d

Date : 01-NOV-2007 20:18

Client ID:

Instrument: nt4.i

Sample Info: LR71FRE

Volume Injected (uL): 1.0

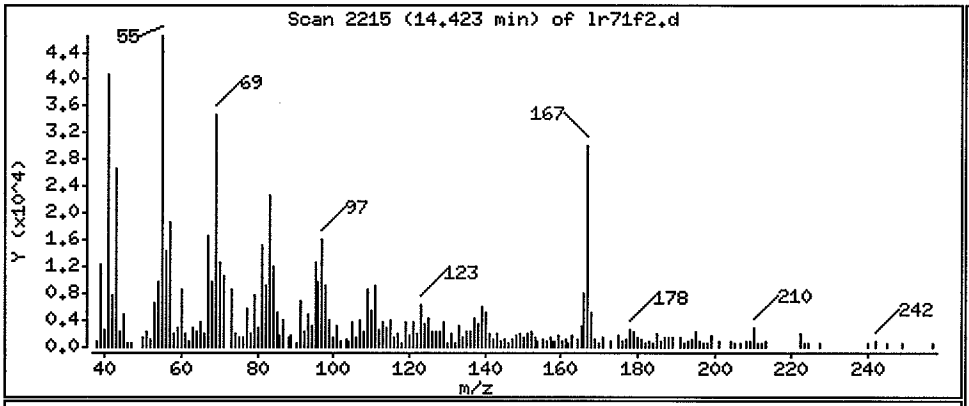
Operator: VTS

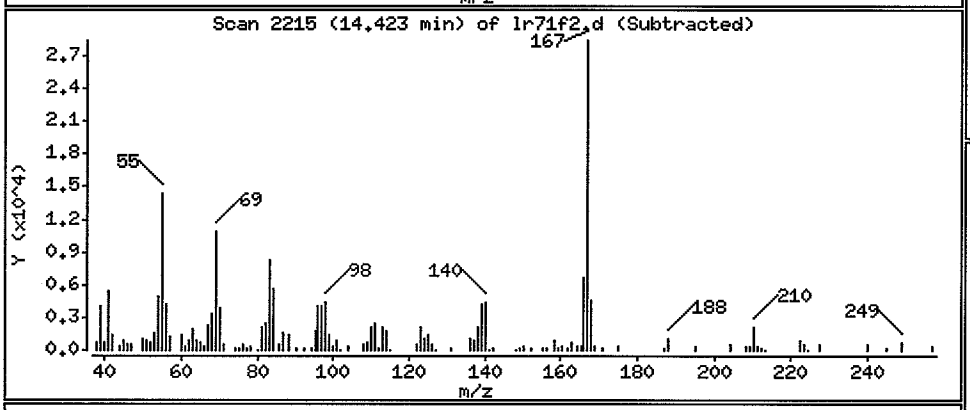
Column phase: ZB-5

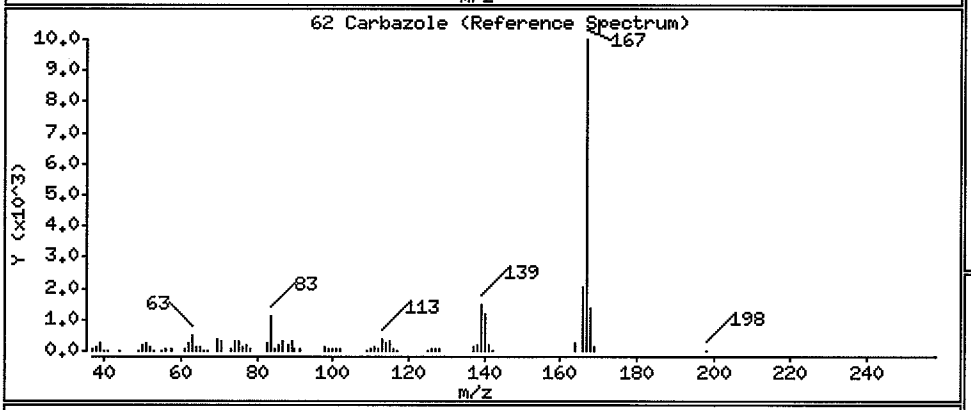
Column diameter: 0.32

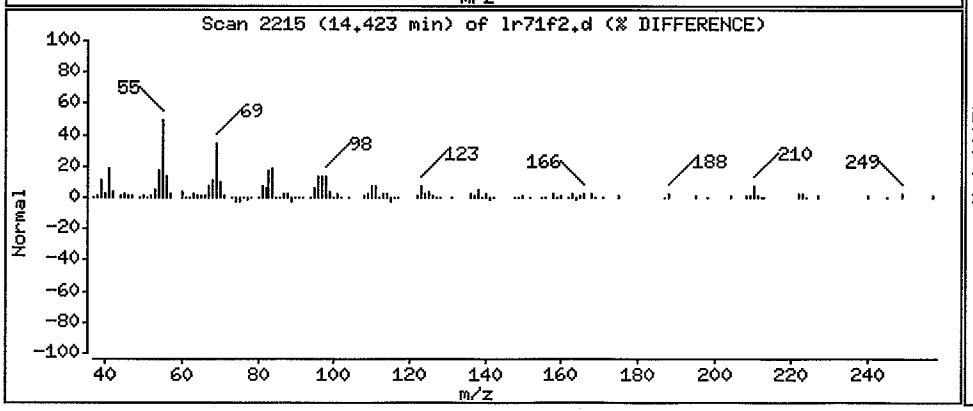
62 Carbazole

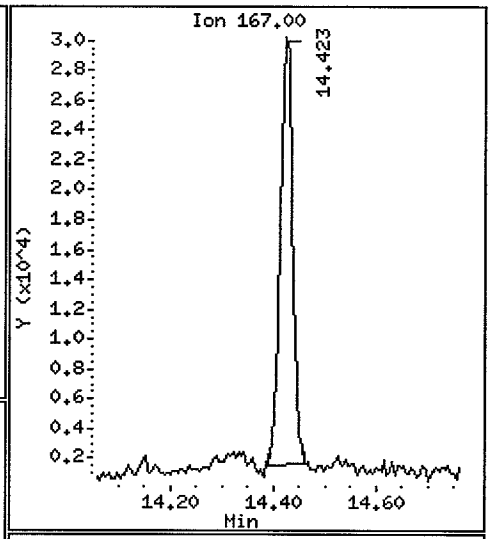
Concentration: 36.20 ug/Kg

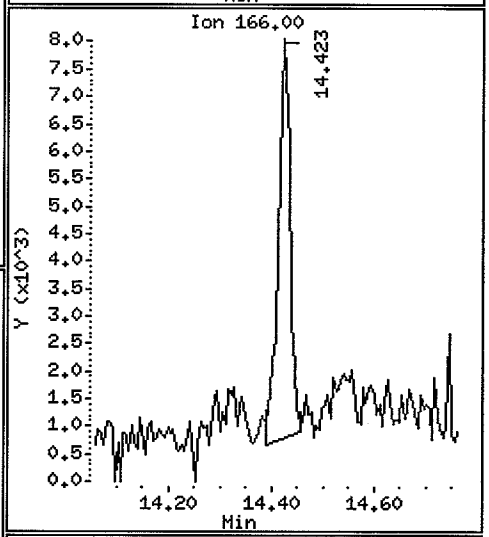


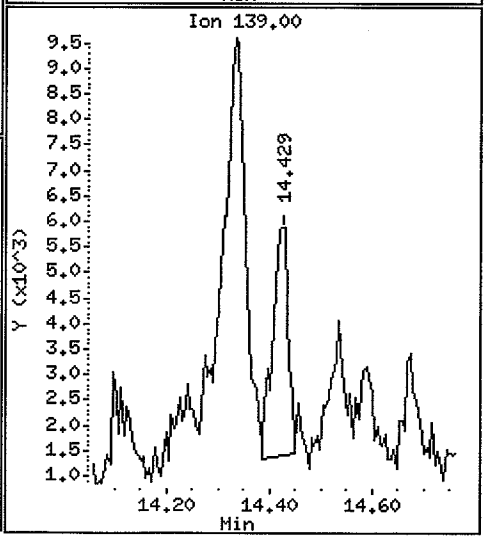












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-04**
Page 1 of 2 **SAMPLE**

Lab Sample ID: LR71H
LIMS ID: 07-20773
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 19:10
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.1 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 36.6%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**20**
129-00-0	Pyrene	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-04**
 SAMPLE

Lab Sample ID: LR71H QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20773 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 10/18/07 19:10

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.4%	2-Fluorobiphenyl	57.2%
d14-p-Terphenyl	56.4%	d4-1,2-Dichlorobenzene	47.6%
d5-Phenol	52.8%	2-Fluorophenol	63.5%
2,4,6-Tribromophenol	63.2%	d4-2-Chlorophenol	55.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071018.b/lr71h.d
Lab Smp Id: LR71H Client Smp ID: AN-SS-04
Inj Date : 18-OCT-2007 19:10
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71H
Misc Info : 07-20773
Comment : 1ul Injection
Method : /chem1/nt6.i/20071018.b/SW846.m
Meth Date : 25-Oct-2007 15:32 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 10/25/07

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	79.00000	Weight of sample extracted (g)
M	36.60000	% 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	5.952	5.917	(0.752)	311222	23.7671	474.5
$	2 Phenol-d5	99	7.501	7.488	(0.948)	330411	19.7524	394.4
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	7.608	7.600	(0.962)	230661	20.7037	413.4
	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	7.912	7.904	(1.000)	177695	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	8.211	8.204	(1.038)	99826	11.9487	238.6
	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	8.847	8.845	(0.887)	236728	14.1470	282.5
	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	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.969	9.961	(1.000)	520814	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	11.785	11.777	(0.917)	309914	14.2631	284.8
	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	12.848	12.841	(1.000)	279072	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	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	Compound Not Detected.					
	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	14.147	14.139	(1.101)	64083	23.6679	472.5
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	15.236	15.223	(1.000)	480458	20.0000	
	60 Phenanthrene	178	Compound Not Detected.					
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	Compound Not Detected.					
64	Fluoranthene	202	17.218	17.205	(1.130)	36001	1.02124	20.39
65	Pyrene	202	17.571	17.563	(0.897)	35877	0.64382 LQL	12.85
$ 66	Terphenyl-d14	244	17.902	17.884	(0.914)	491757	14.0986	281.5
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	Compound Not Detected.					
* 69	Chrysene-d12	240	19.579	19.556	(1.000)	775891	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	19.612	19.598	(1.002)	33816	0.61899 LQL	12.36
72	bis(2-Ethylhexyl)phthalate	149	19.809	19.785	(0.955)	33185	0.95547 ↓	19.08
* 134	Di-n-octylphthalate-d4	153	20.749	20.720	(1.000)	1148629	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	21.225	21.190	(0.975)	30027	0.67980 LQL	13.57(M)
75	Benzo(k)fluoranthene	252	21.236	21.228	(0.976)	25249	0.54038 ↓	10.79(M)
76	Benzo(a)pyrene	252	Compound Not Detected.					
* 77	Perylene-d12	264	21.759	21.719	(1.000)	615101	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
79	Dibenzo(a,h)anthracene	278	Compound Not Detected.					
80	Benzo(g,h,i)perylene	276	Compound Not Detected.					
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: lr71h.d
Lab Smp Id: LR71H
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20773

Calibration Date: 18-OCT-2007
Calibration Time: 10:07
Client Smp ID: AN-SS-04
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	177695	-16.21
27 Naphthalene-d8	656578	328289	1313156	520814	-20.68
42 Acenaphthene-d10	353705	176852	707410	279072	-21.10
59 Phenanthrene-d10	526440	263220	1052880	480458	-8.73
69 Chrysene-d12	581923	290962	1163846	775891	33.33
134 Di-n-octylphthala	979097	489548	1958194	1148629	17.32
77 Perylene-d12	686531	343266	1373062	615101	-10.40

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.90	7.40	8.40	7.91	0.10
27 Naphthalene-d8	9.96	9.46	10.46	9.97	0.08
42 Acenaphthene-d10	12.84	12.34	13.34	12.85	0.06
59 Phenanthrene-d10	15.22	14.72	15.72	15.24	0.09
69 Chrysene-d12	19.56	19.06	20.06	19.58	0.12
134 Di-n-octylphthala	20.72	20.22	21.22	20.75	0.14
77 Perylene-d12	21.72	21.22	22.22	21.76	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.

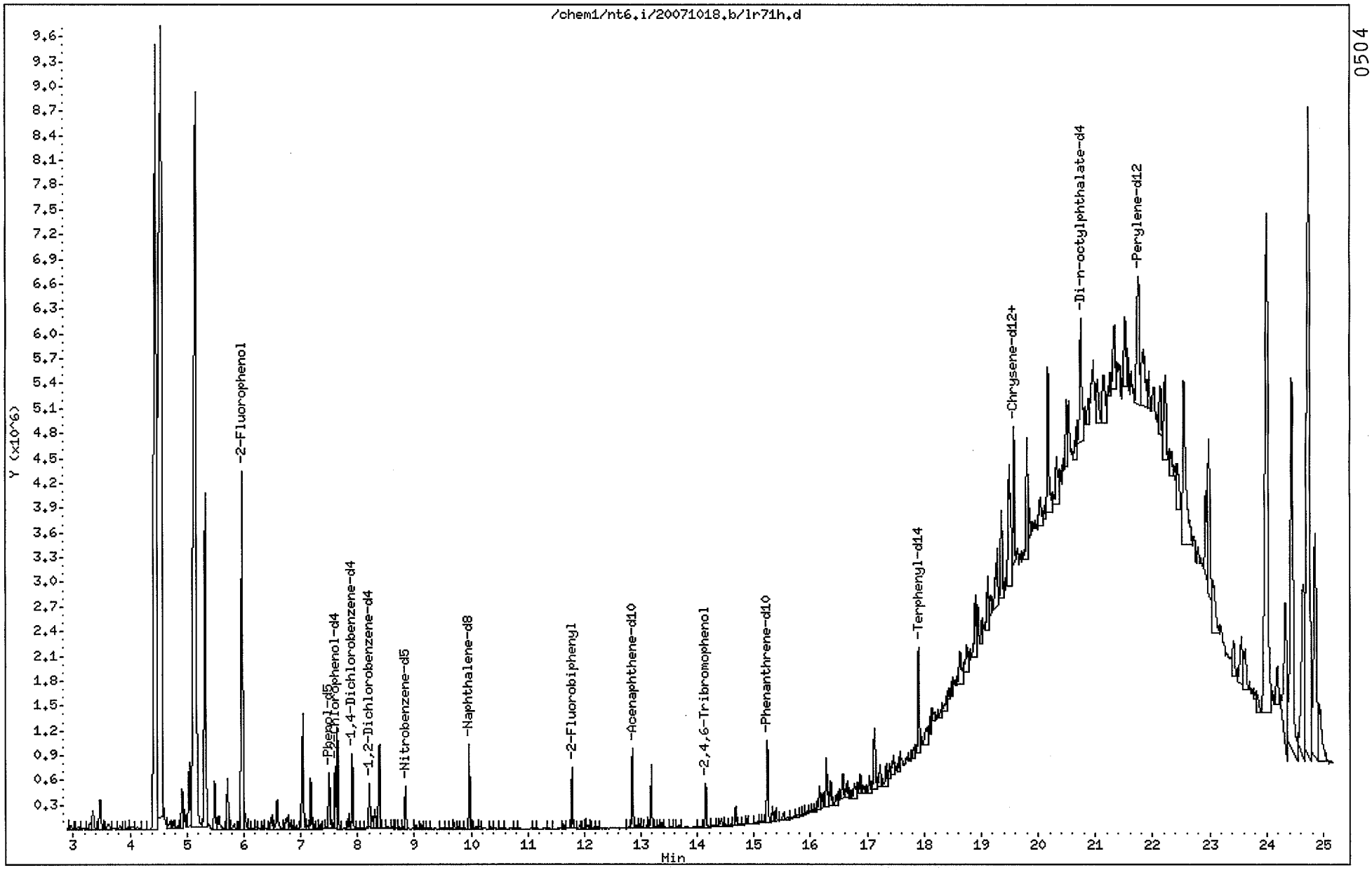
RECOVERY REPORT

Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71H
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-04
Operator: LJR/VTS
SampleType: SAMPLE
Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20773

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	748.7	474.5	63.38	11-84
$ 2 Phenol-d5	748.7	394.4	52.67	25-86
$ 5 2-Chlorophenol-d4	748.7	413.4	55.21	23-91
$ 10 1,2-Dichlorobenzen	499.1	238.6	47.79	24-90
$ 18 Nitrobenzene-d5	499.1	282.5	56.59	26-88
$ 36 2-Fluorobiphenyl	499.1	284.8	57.05	34-91
$ 55 2,4,6-Tribromophen	748.7	472.5	63.11	25-107
$ 66 Terphenyl-d14	499.1	281.5	56.39	22-100

Data File: /chem1/nt6.i/20071018.b/lr71h.d
Date : 18-OCT-2007 19:10
Client ID: AN-SS-04
Sample Info: LR71H
Volume Injected (uL): 1.0
Column phase: ZB-5

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



Data File: /chem1/nt6.i/20071018.b/lr71h.d

Date : 18-OCT-2007 19:10

Client ID: AN-SS-04

Instrument: nt6.i

Sample Info: LR71H

Volume Injected (uL): 1.0

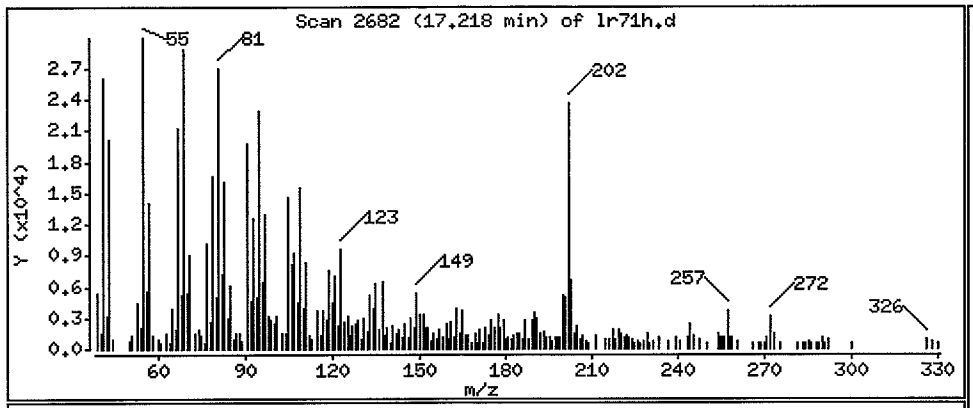
Operator: LJR/VTS

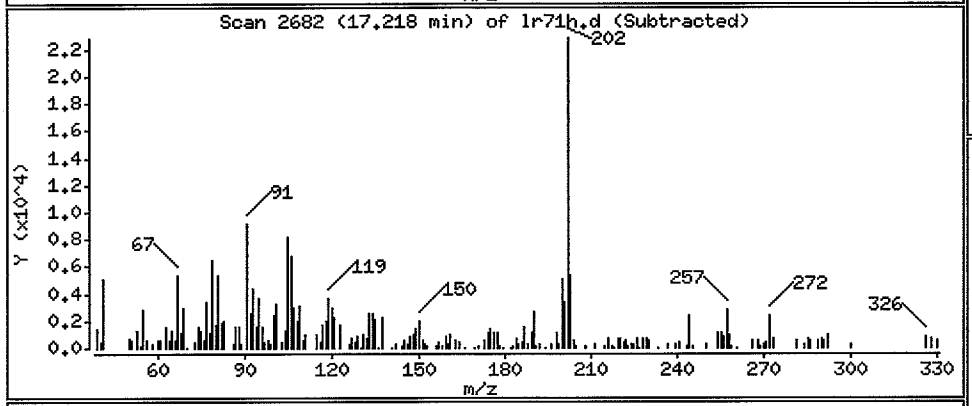
Column phase: ZB-5

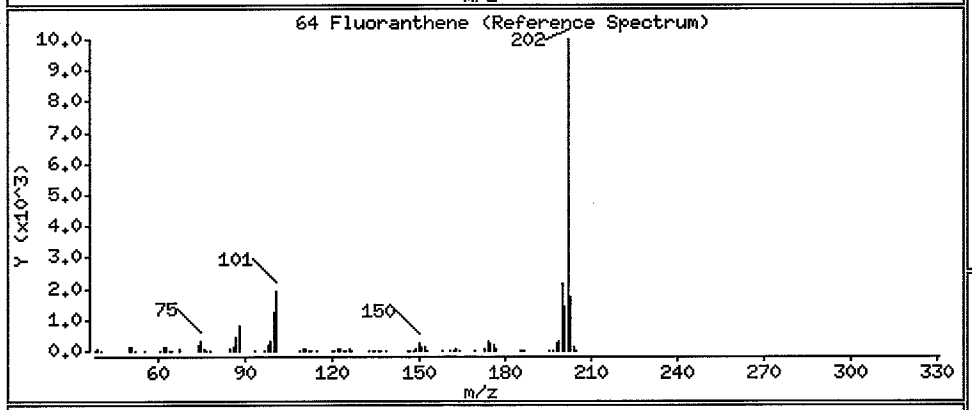
Column diameter: 0.32

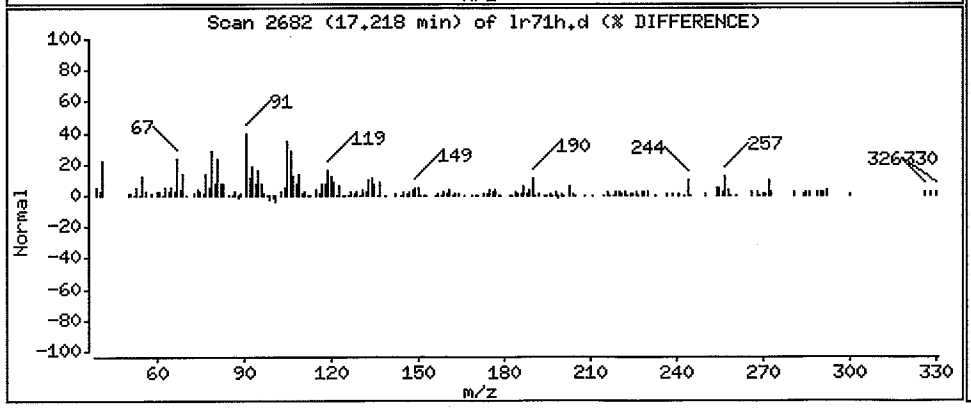
64 Fluoranthene

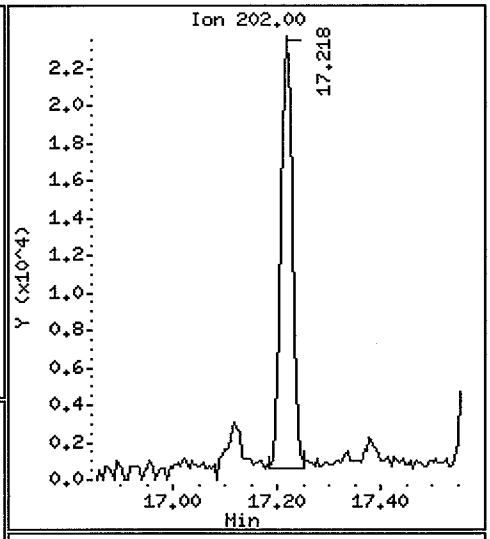
Concentration: 20.39 ug/kg

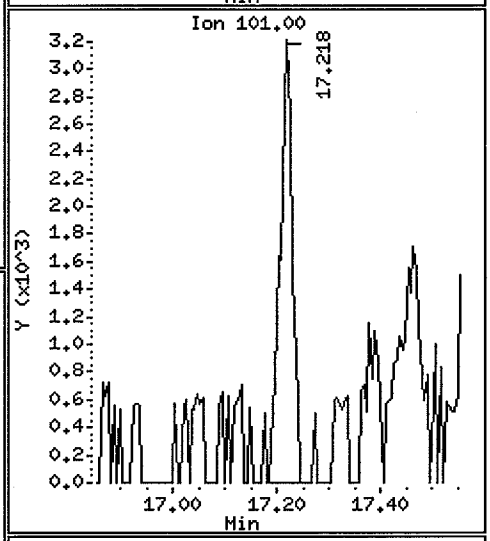


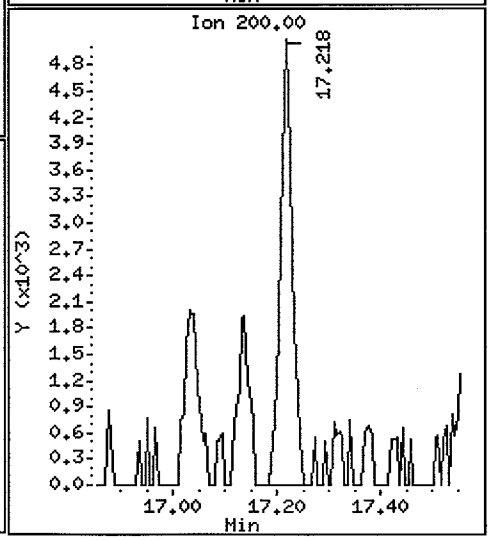












Data File: /chem1/nt6.i/20071018.b/lr71h.d

Date : 18-OCT-2007 19:10

Client ID: AN-SS-04

Instrument: nt6.i

Sample Info: LR71H

Volume Injected (uL): 1.0

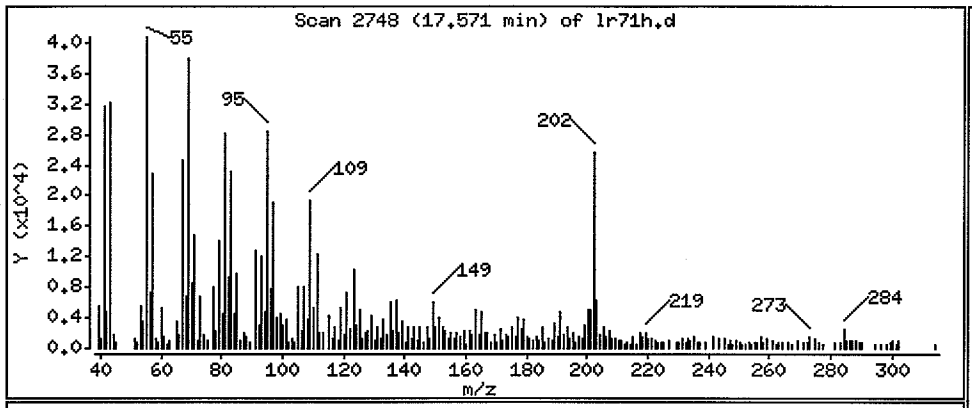
Operator: LJR/VTS

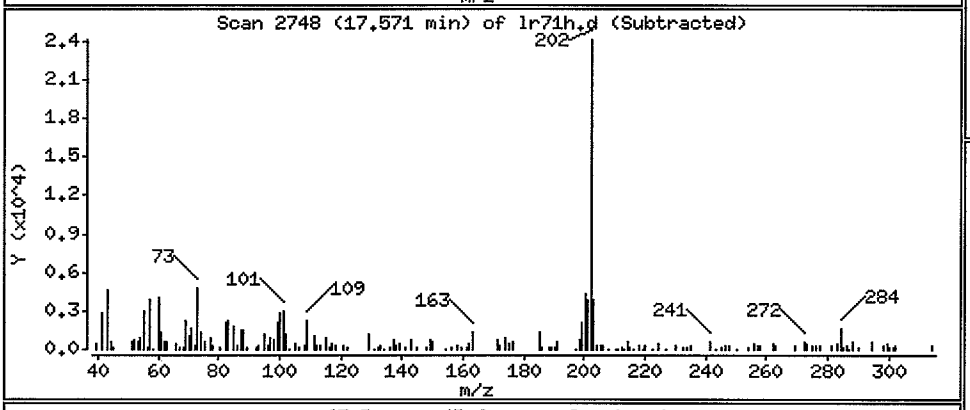
Column phase: ZB-5

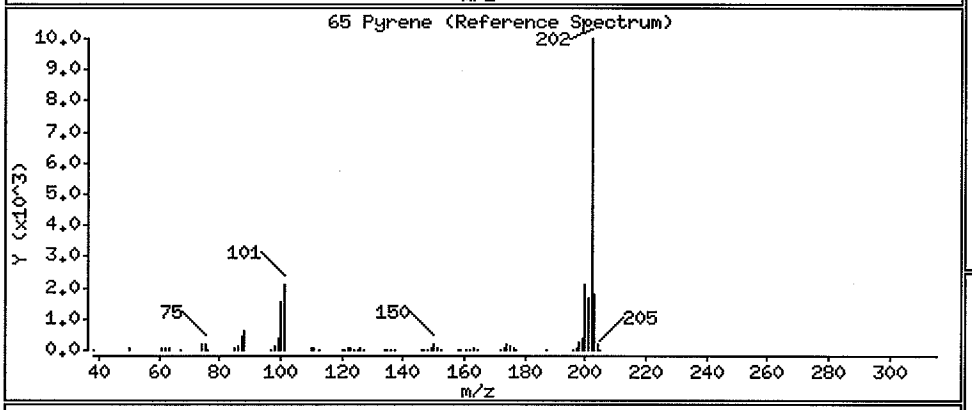
Column diameter: 0.32

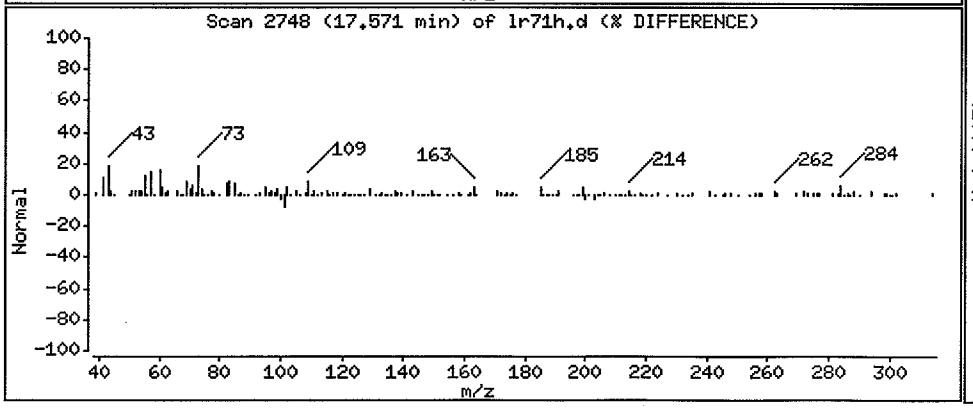
65 Pyrene

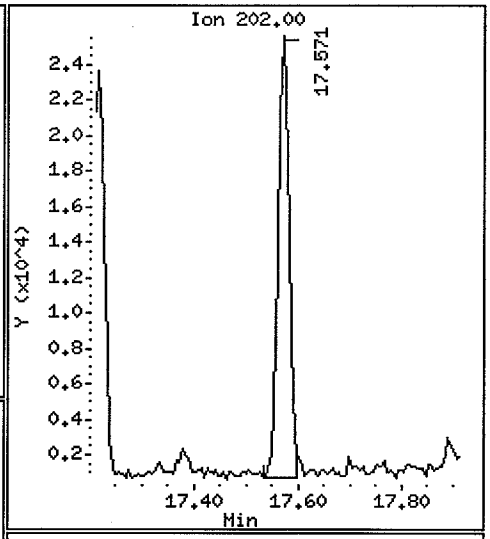
Concentration: 12.85 ug/kg

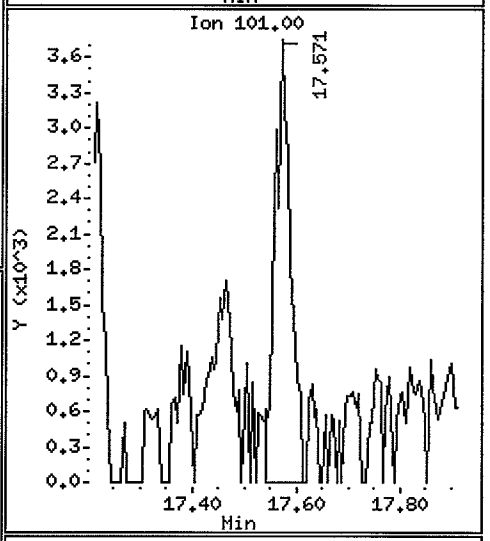


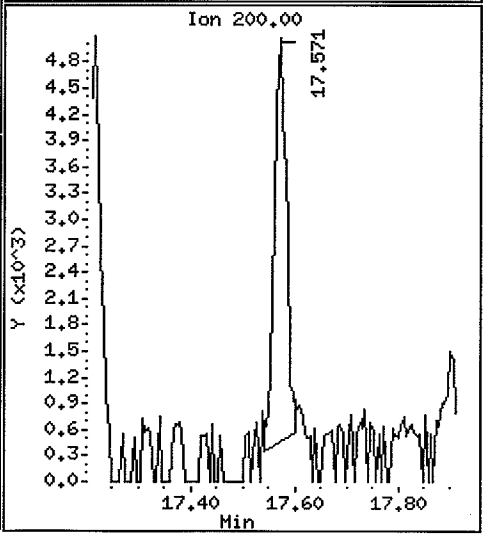












Data File: /chem1/nt6.i/20071018.b/lr71h.d

Date : 18-OCT-2007 19:10

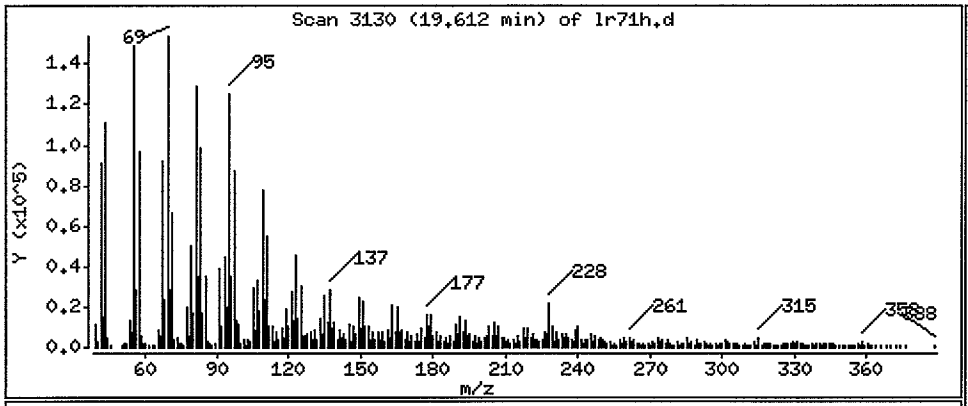
Client ID: AN-SS-04 Instrument: nt6.i

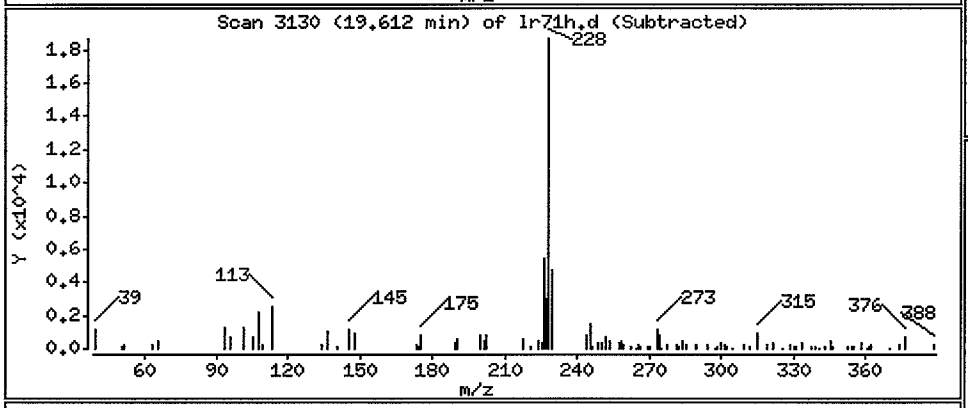
Sample Info: LR71H

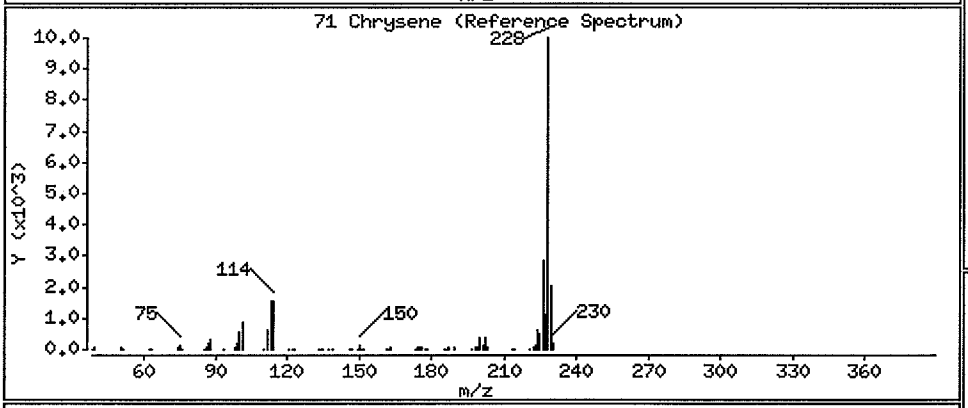
Volume Injected (uL): 1.0 Operator: LJR/VTS

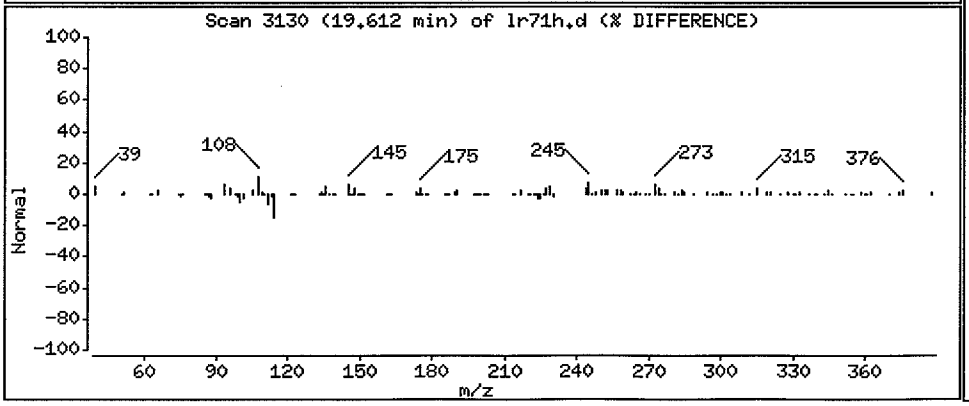
Column phase: ZB-5 Column diameter: 0.32

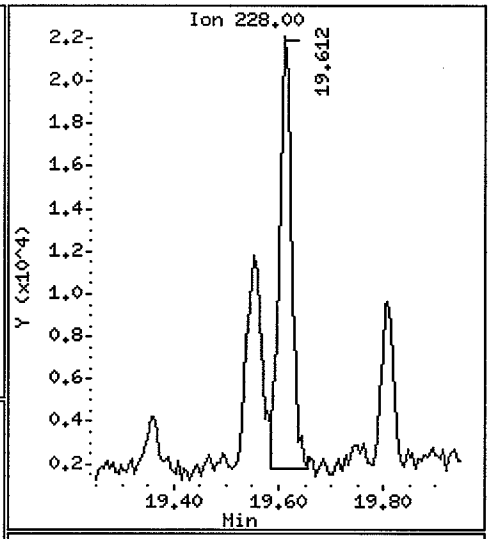
71 Chrysene Concentration: 12.36 ug/kg

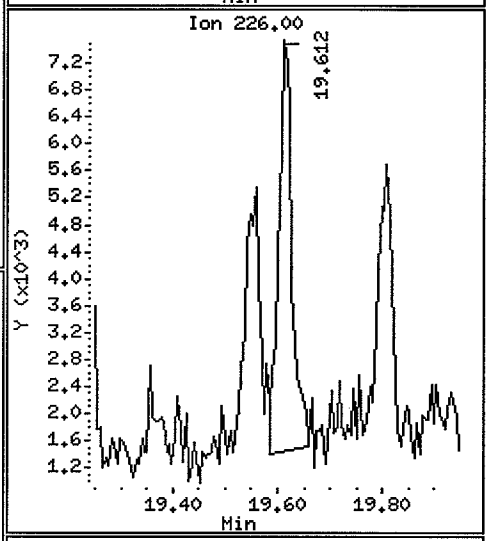


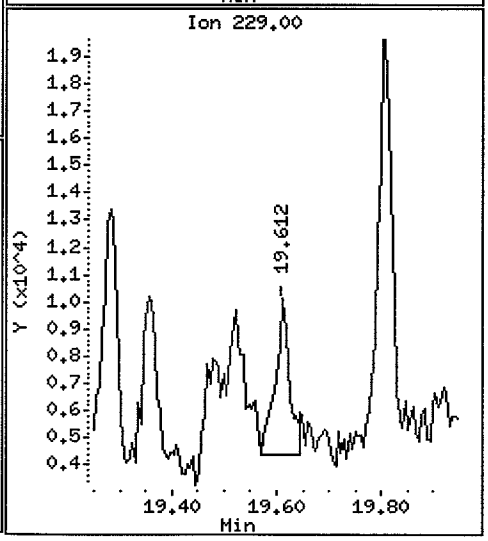












Data File: /chem1/nt6.i/20071018.b/lr71h.d

Date : 18-OCT-2007 19:10

Client ID: AN-SS-04

Instrument: nt6.i

Sample Info: LR71H

Volume Injected (uL): 1.0

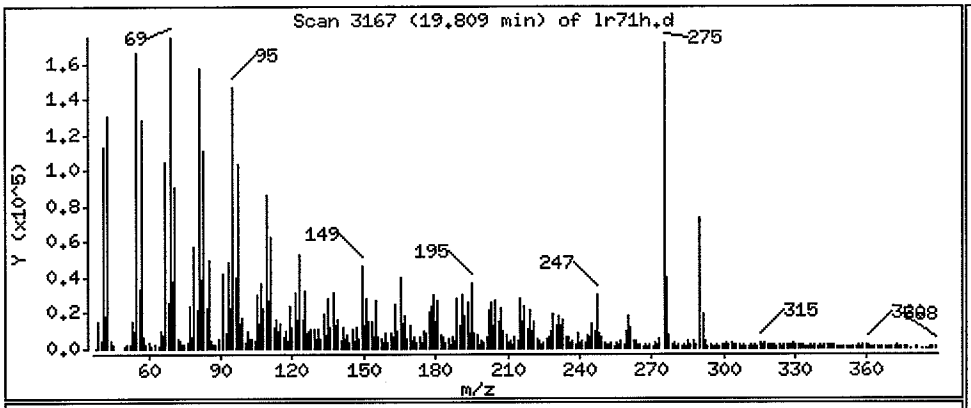
Operator: LJR/VTS

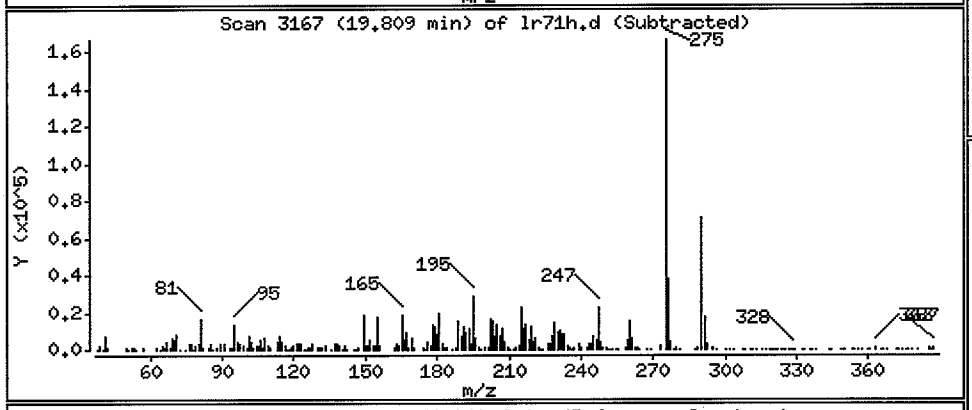
Column phase: ZB-5

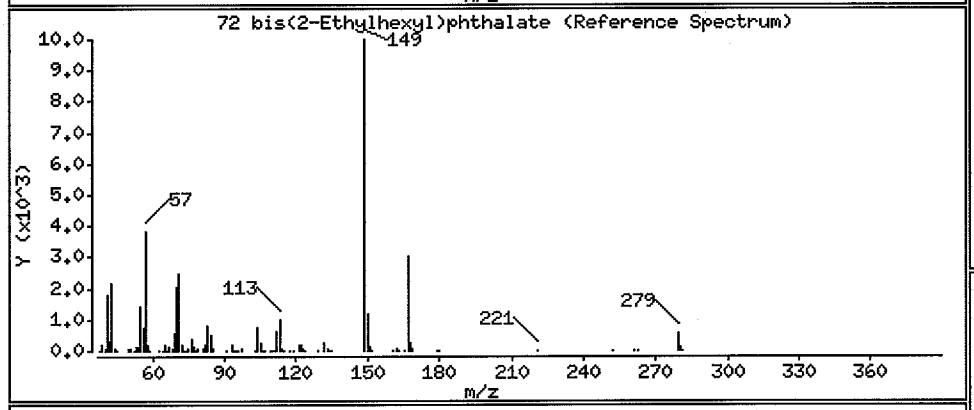
Column diameter: 0.32

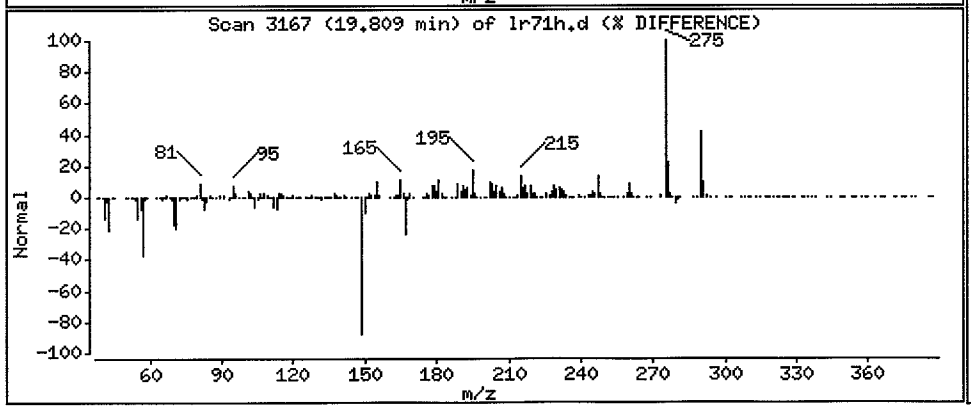
72 bis(2-Ethylhexyl)phthalate

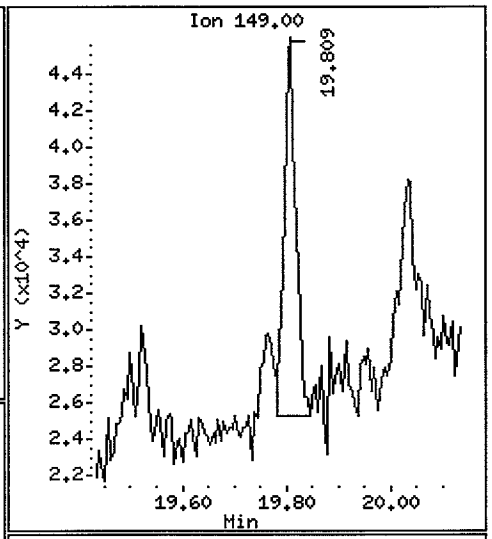
Concentration: 19.08 ug/kg

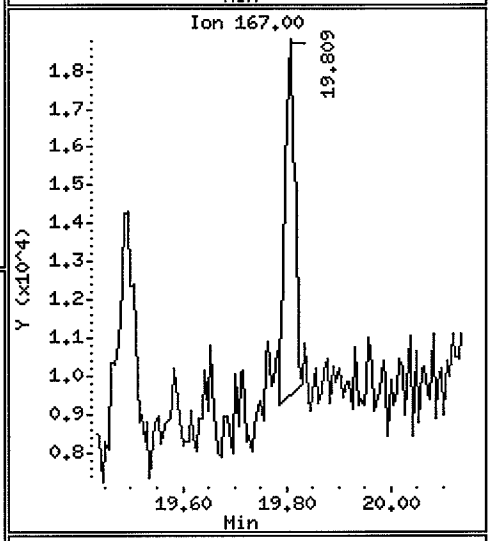


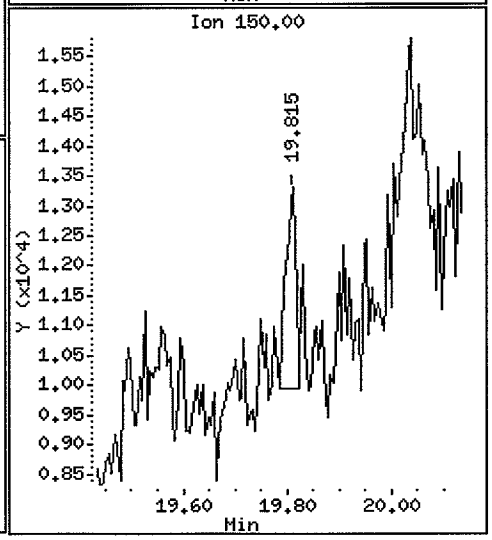












Data File: /chem1/nt6.i/20071018.b/lr71h.d

Date : 18-OCT-2007 19:10

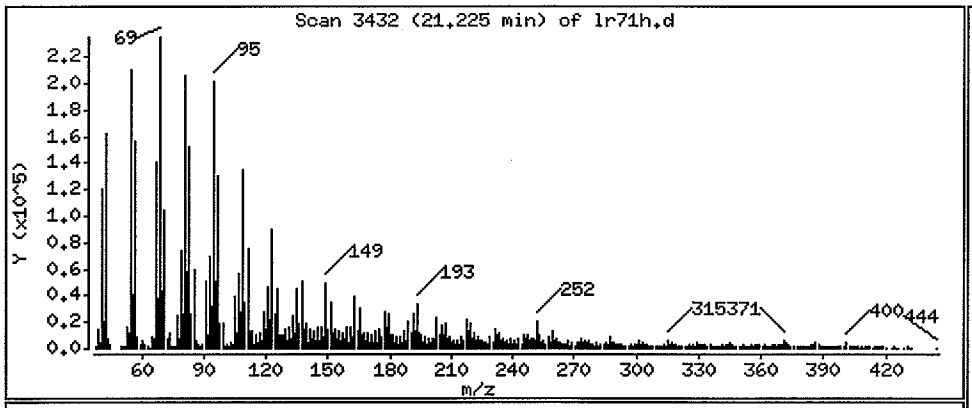
Client ID: AN-SS-04 Instrument: nt6.i

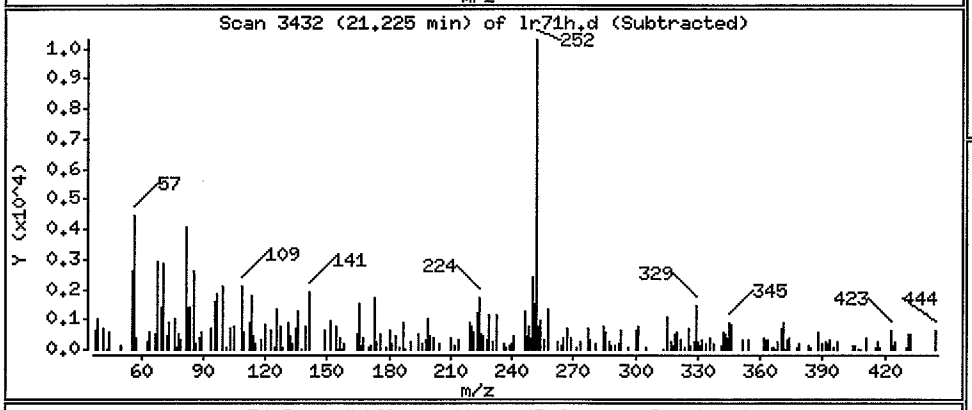
Sample Info: LR71H

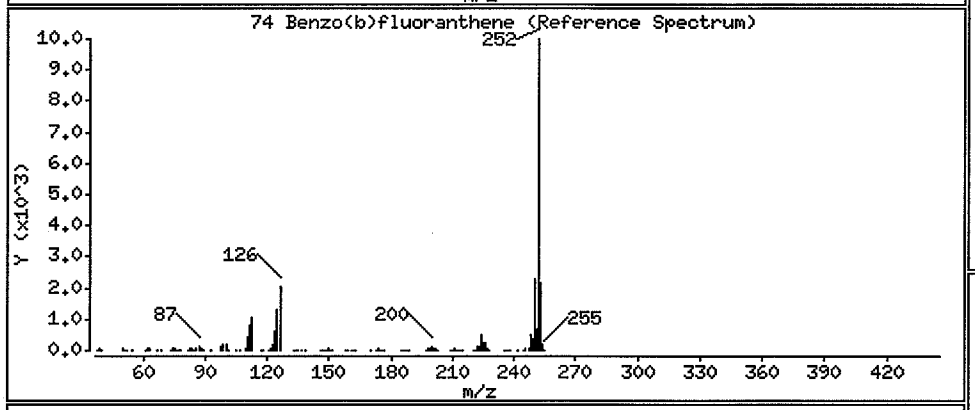
Volume Injected (uL): 1.0 Operator: LJR/VTS

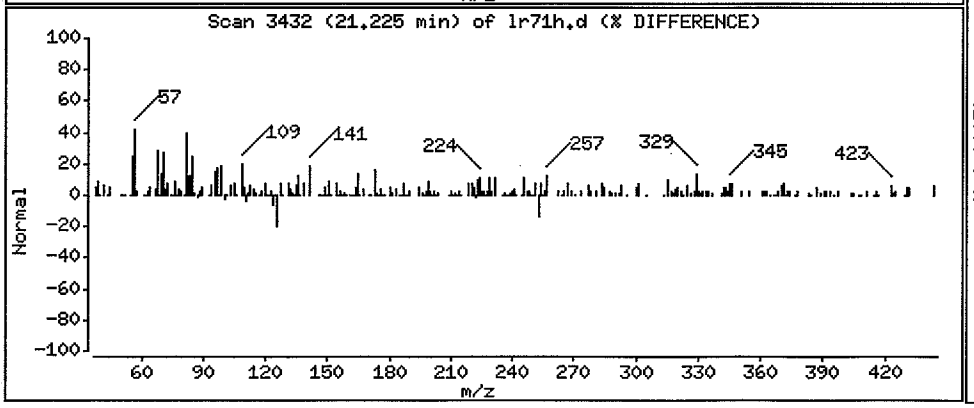
Column phase: ZB-5 Column diameter: 0.32

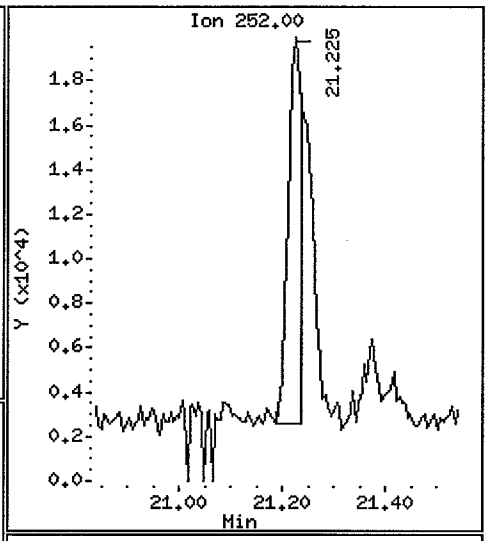
74 Benzo(b)fluoranthene Concentration: 13.57 ug/kg

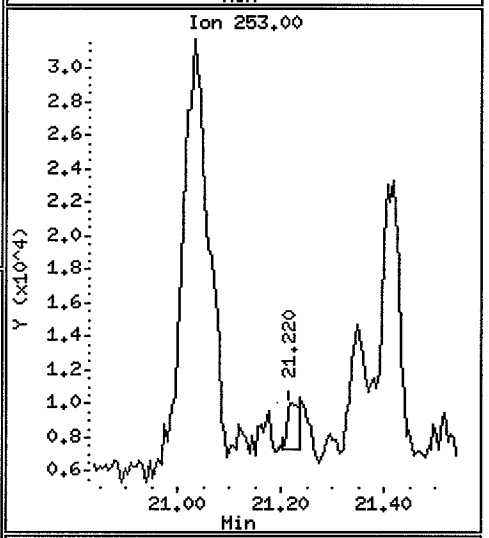


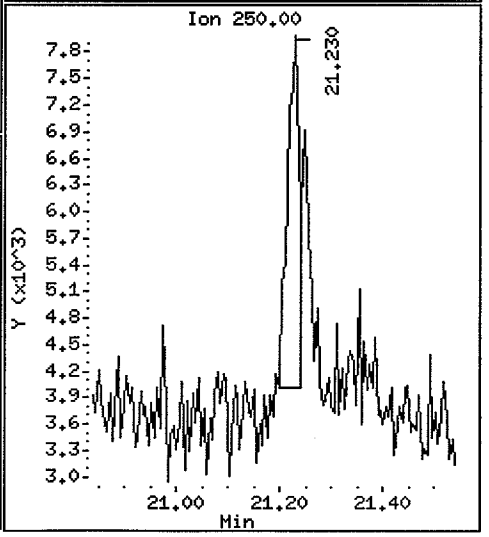












Data File: /chem1/nt6.i/20071018.b/lr71h.d

Date : 18-OCT-2007 19:10

Client ID: AN-SS-04

Instrument: nt6.i

Sample Info: LR71H

Volume Injected (uL): 1.0

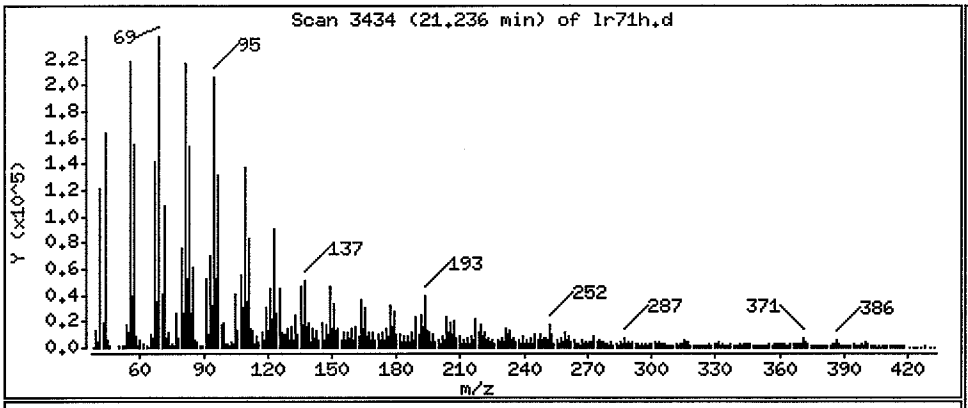
Operator: LJR/VTS

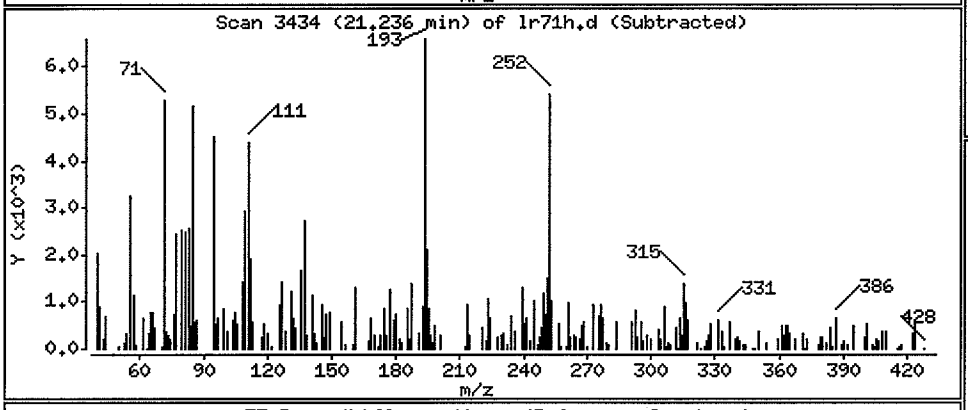
Column phase: ZB-5

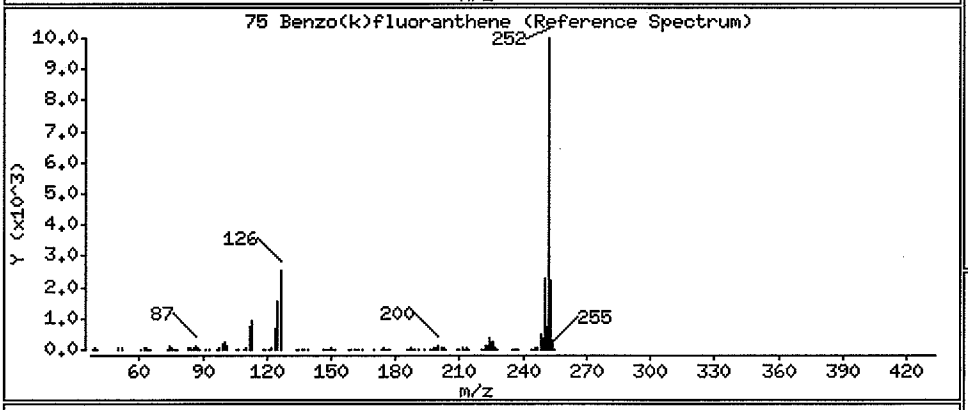
Column diameter: 0.32

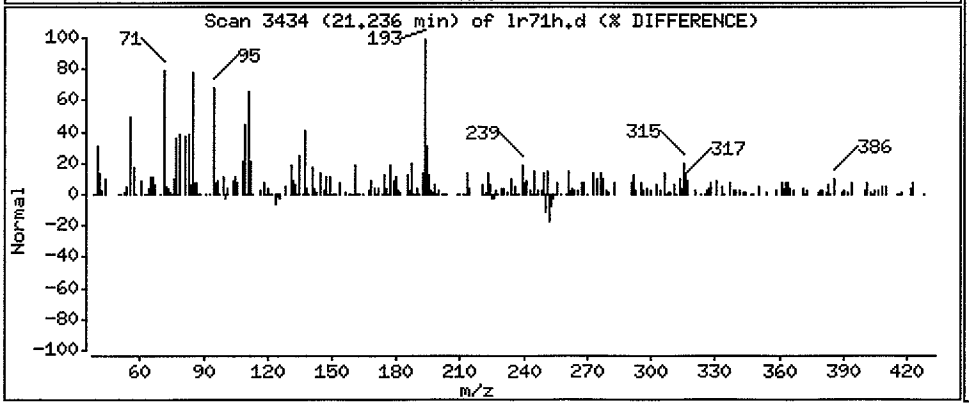
75 Benzo(k)fluoranthene

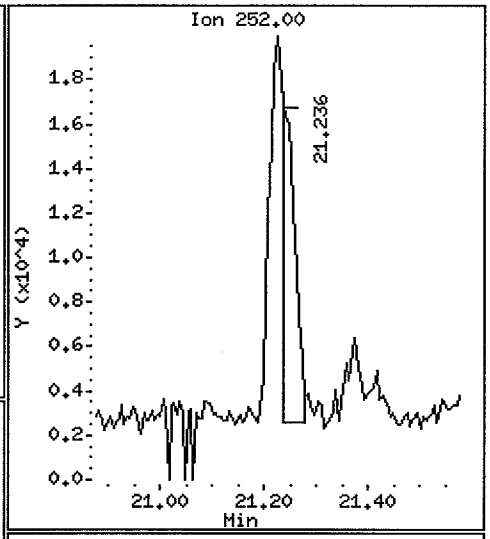
Concentration: 10.79 ug/kg

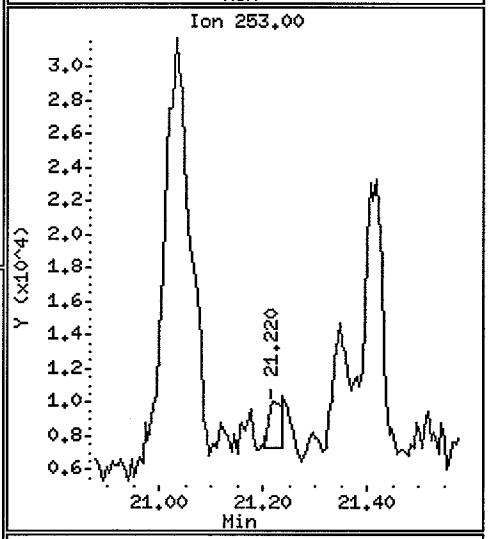


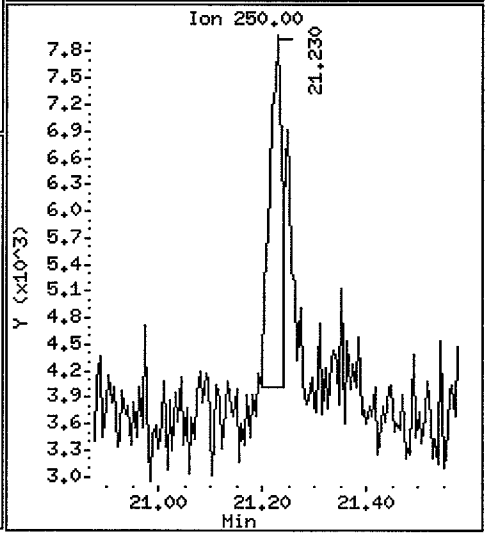












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-04
REEXTRACT

Lab Sample ID: LR71H
LIMS ID: 07-20773
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 20:50
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 36.6%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**20**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	**Diethylphthalate**	**20**	**33**
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**34**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**44**
129-00-0	**Pyrene**	**20**	**33**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**110 B**
218-01-9	**Chrysene**	**20**	**26**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-04**
Page 2 of 2 **REEXTRACT**

Lab Sample ID: LR71H QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20773 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 20:50

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.4%	2-Fluorobiphenyl	58.4%
d14-p-Terphenyl	54.4%	d4-1,2-Dichlorobenzene	52.0%
d5-Phenol	56.3%	2-Fluorophenol	46.4%
2,4,6-Tribromophenol	59.2%	d4-2-Chlorophenol	55.7%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071101.b/lr71h2.d
Lab Smp Id: LR71HRE
Inj Date : 01-NOV-2007 20:50
Operator : VTS Inst ID: nt4.i
Smp Info : LR71HRE
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt4.i/20071101.b/SW846.m
Meth Date : 02-Nov-2007 11:41 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 11:04 Cal File: 0801001.d
Als bottle: 14
Dil Factor: 1.00000
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	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% 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	4.827	4.748	(0.707)	241071	17.3558	347.1
$ 2	Phenol-d5	99	6.509	6.489	(0.954)	327624	21.0731	421.5
3	Phenol	94	6.525	6.505	(0.956)	18580	1.00628	20.13
$ 5	2-Chlorophenol-d4	132	6.536	6.521	(0.958)	241272	20.9212	418.4
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	6.825	6.820	(1.000)	164152	20.0000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	7.124	7.114	(1.044)	96650	13.0249	260.5
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	7.775	7.771	(0.877)	225268	14.1017	282.0
	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	8.716	8.813	(0.983)	59423	5.82644 LAL	116.5(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.871	8.872	(1.000)	605587	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	10.676	10.677	(0.914)	313040	14.6360	292.7
	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	11.681	11.682	(1.000)	309756	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	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	12.578	12.585	(1.077)	35648	1.64924	32.98
	49 Fluorene	166	Compound Not Detected.					
	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	12.957	12.953	(1.109)	59234	22.2141	444.3
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.999	14.000	(1.000)	442675	20.0000	
	60 Phenanthrene	178	14.031	14.032	(1.002)	52849	1.72742	34.55
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
	63 Di-n-butylphthalate	149	Compound Not Detected.					
	64 Fluoranthene	202	15.933	15.923	(1.138)	72851	2.19940	43.99
	65 Pyrene	202	16.269	16.260	(0.892)	71332	1.67716	33.54
$	66 Terphenyl-d14	244	16.649	16.634	(0.912)	334477	13.6226	272.5
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	18.219	18.199	(0.999)	24526	0.62181 LDL	12.44(M)
*	69 Chrysene-d12	240	18.246	18.221	(1.000)	530706	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	18.278	18.258	(1.002)	49950	1.28742	25.75(M)
	72 bis(2-Ethylhexyl)phthalate	149	18.604	18.578	(0.952)	122565	5.40246 B	108.0
*	134 Di-n-octylphthalate-d4	153	19.534	19.503	(1.000)	720058	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	19.859	19.818	(0.975)	37427	0.98163 LDL	19.63(M)
	75 Benzo(k)fluoranthene	252	19.875	19.850	(0.976)	29195	0.72485	14.50(M)
	76 Benzo(a)pyrene	252	20.287	20.245	(0.996)	24574	0.72372	14.47(H)
*	77 Perylene-d12	264	20.372	20.325	(1.000)	559995	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					
	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.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: lr71h2.d
Lab Smp Id: LR71HRE
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

Calibration Date: 01-NOV-2007
Calibration Time: 14:35

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	145384	72692	290768	164152	12.91
27 Naphthalene-d8	530525	265262	1061050	605587	14.15
42 Acenaphthene-d10	280701	140350	561402	309756	10.35
59 Phenanthrene-d10	391934	195967	783868	442675	12.95
69 Chrysene-d12	354658	177329	709316	530706	49.64
134 Di-n-octylphthala	506314	253157	1012628	720058	42.22
77 Perylene-d12	400782	200391	801564	559995	39.73

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.82	6.32	7.32	6.82	0.06
27 Naphthalene-d8	8.87	8.37	9.37	8.87	-0.01
42 Acenaphthene-d10	11.68	11.18	12.18	11.68	-0.01
59 Phenanthrene-d10	14.00	13.50	14.50	14.00	-0.01
69 Chrysene-d12	18.22	17.72	18.72	18.25	0.14
134 Di-n-octylphthala	19.50	19.00	20.00	19.53	0.16
77 Perylene-d12	20.33	19.83	20.83	20.37	0.23

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.

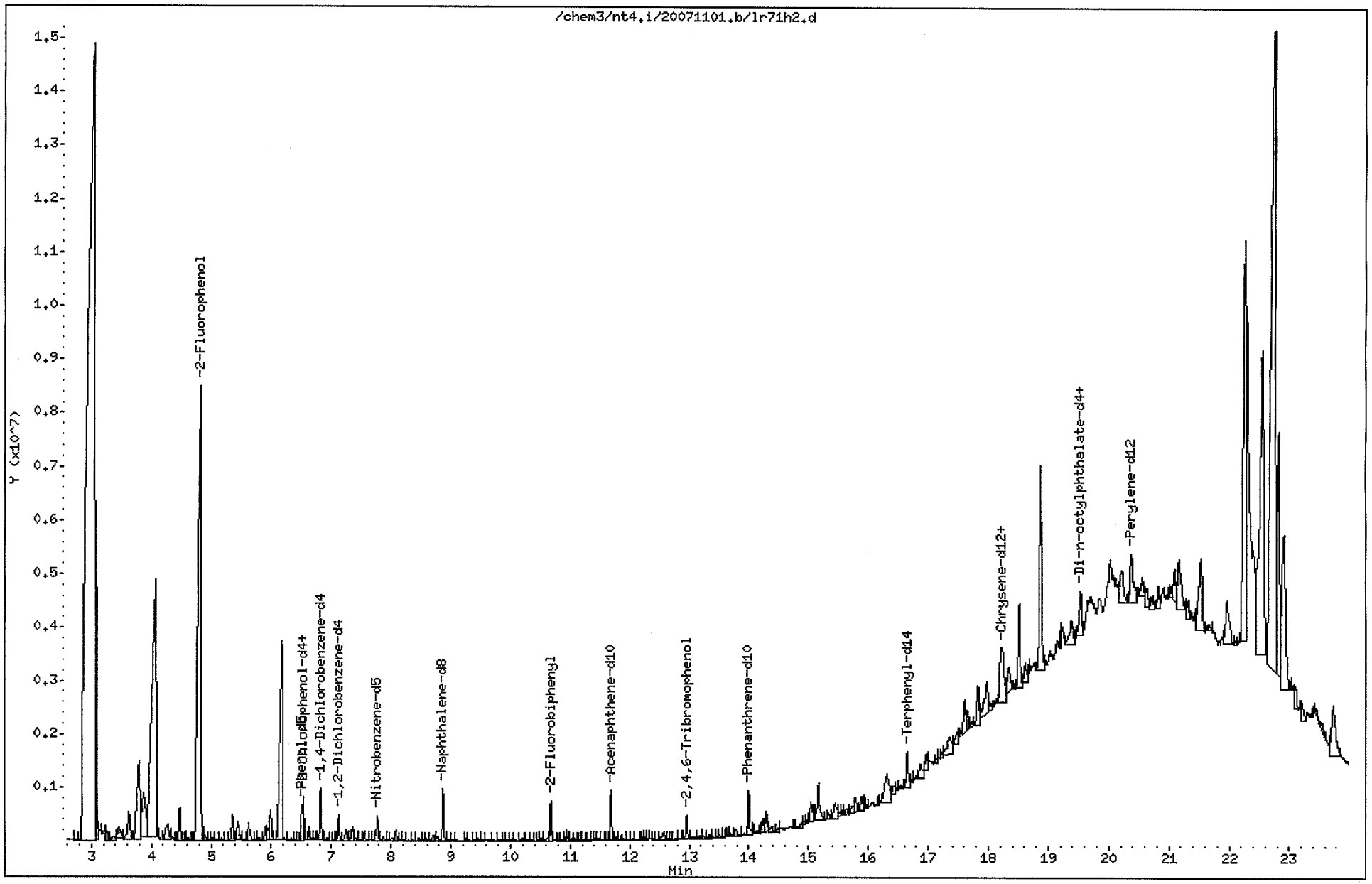
RECOVERY REPORT

Client Name:
Client SDG: 20071101
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: LR71HRE
Level: LOW
Operator: VTS
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: PSDDALCS.spk
Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	347.1	46.28	11-84
$ 2 Phenol-d5	750.0	421.5	56.19	25-86
$ 5 2-Chlorophenol-d4	750.0	418.4	55.79	23-91
$ 10 1,2-Dichlorobenzen	500.0	260.5	52.10	24-90
$ 18 Nitrobenzene-d5	500.0	282.0	56.41	26-88
$ 36 2-Fluorobiphenyl	500.0	292.7	58.54	34-91
$ 55 2,4,6-Tribromophen	750.0	444.3	59.24	25-107
$ 66 Terphenyl-d14	500.0	272.5	54.49	22-100

Data File: /chem3/nt4.i/20071101.b/lr71h2.d
Date : 01-NOV-2007 20:50
Client ID:
Sample Info: LR71HRE
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt4.i
Operator: VTS
Column diameter: 0.32



0518

Data File: /chem3/nt4.i/20071101.b/lr71h2.d

Date : 01-NOV-2007 20:50

Client ID:

Instrument: nt4.i

Sample Info: LR71HRE

Volume Injected (uL): 1.0

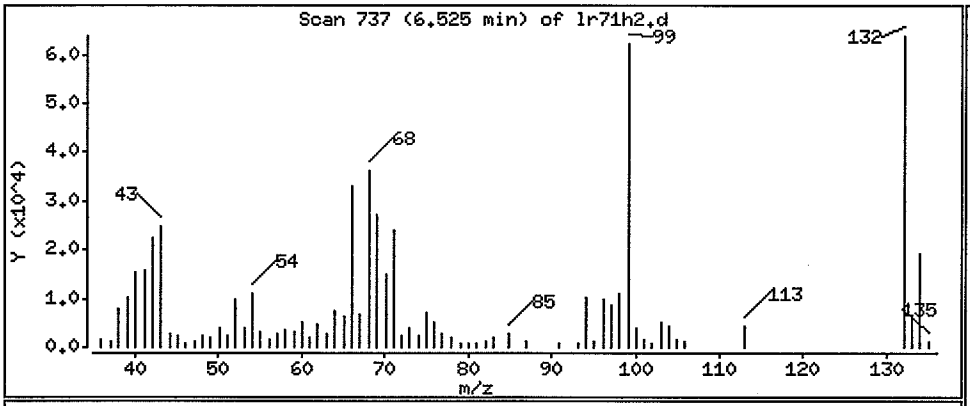
Operator: VTS

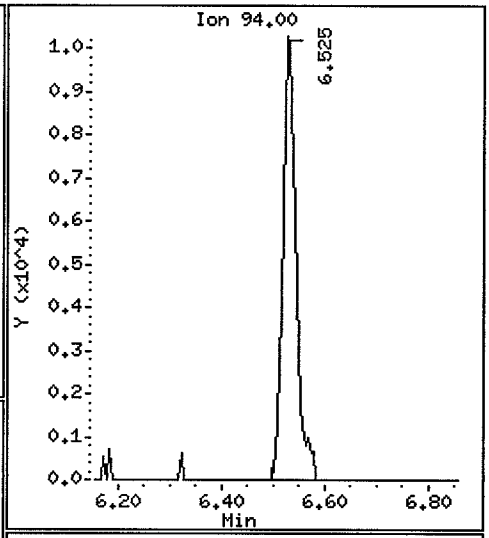
Column phase: ZB-5

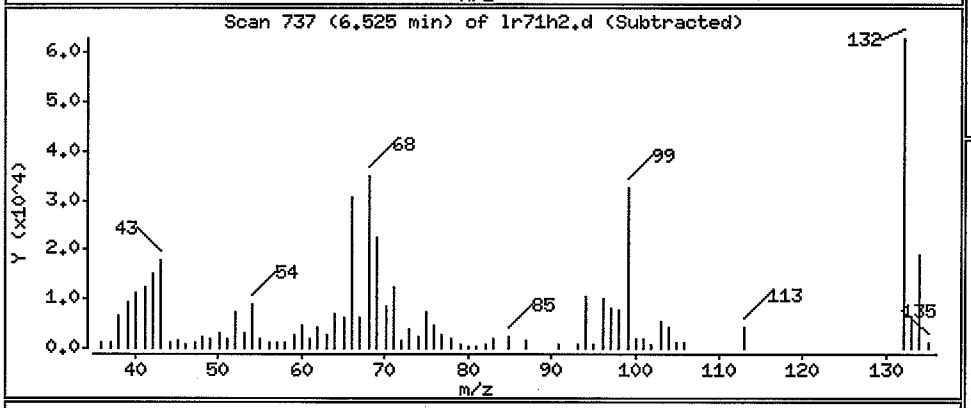
Column diameter: 0.32

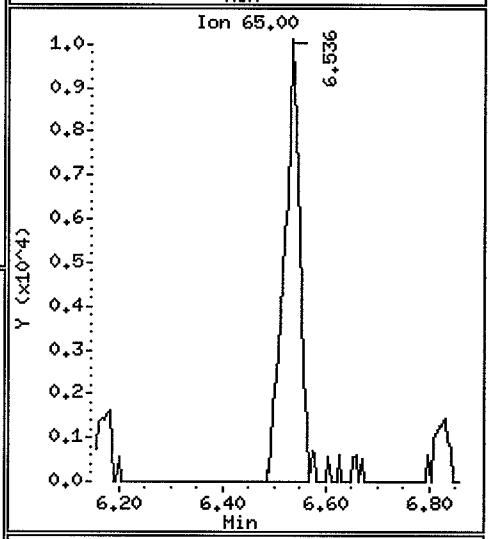
3 Phenol

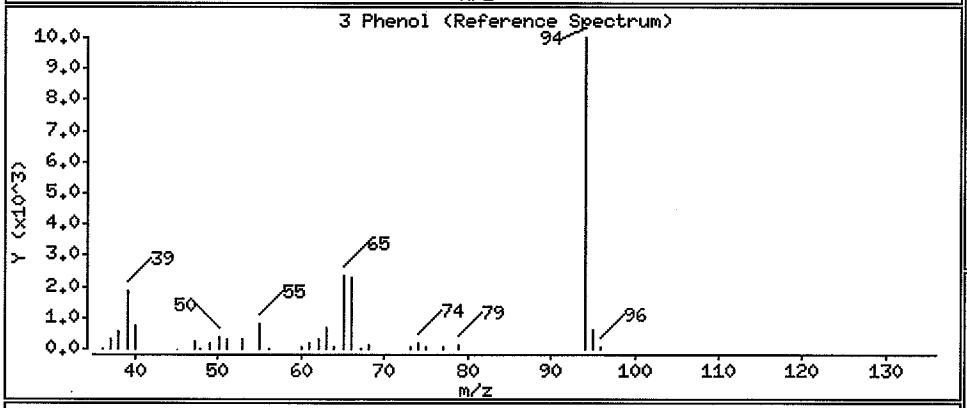
Concentration: 20.13 ug/Kg

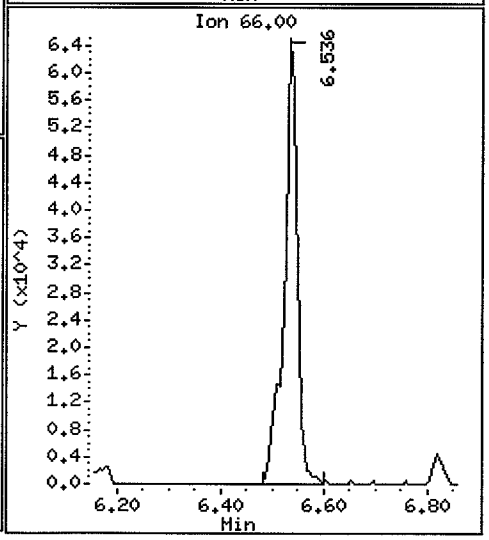


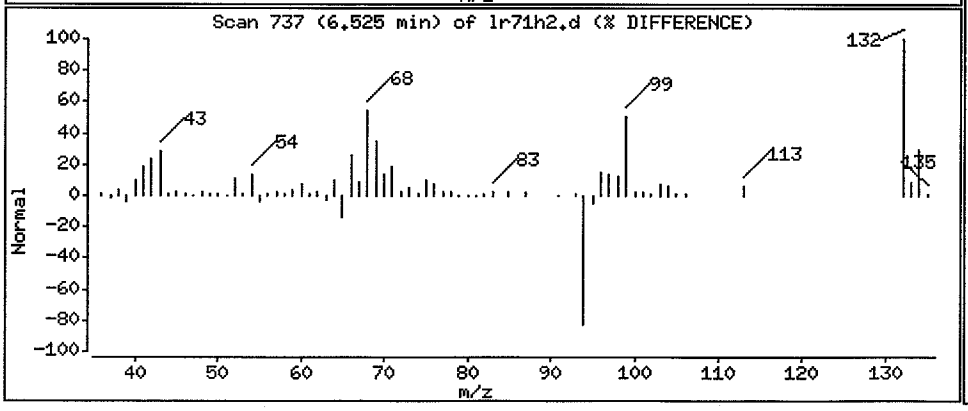












Data File: /chem3/nt4.i/20071101.b/lr71h2.d

Date : 01-NOV-2007 20:50

Client ID:

Instrument: nt4.i

Sample Info: LR71HRE

Volume Injected (uL): 1.0

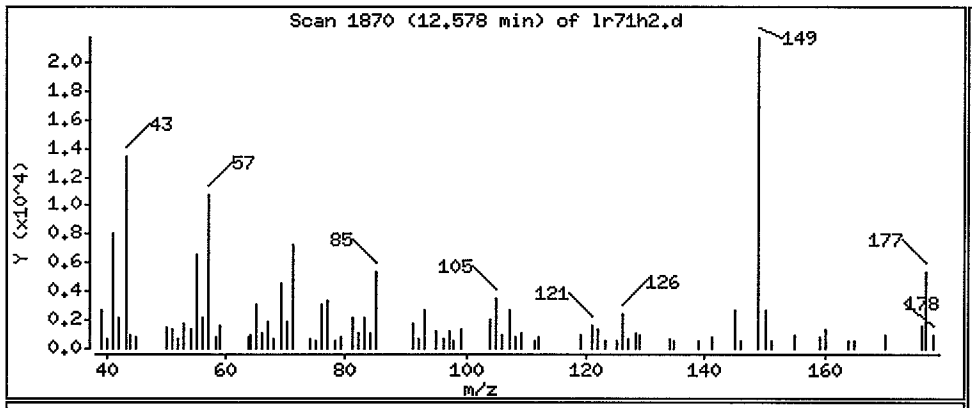
Operator: VTS

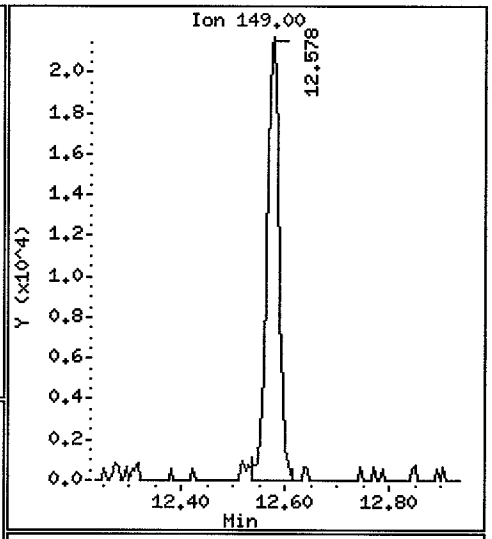
Column phase: ZB-5

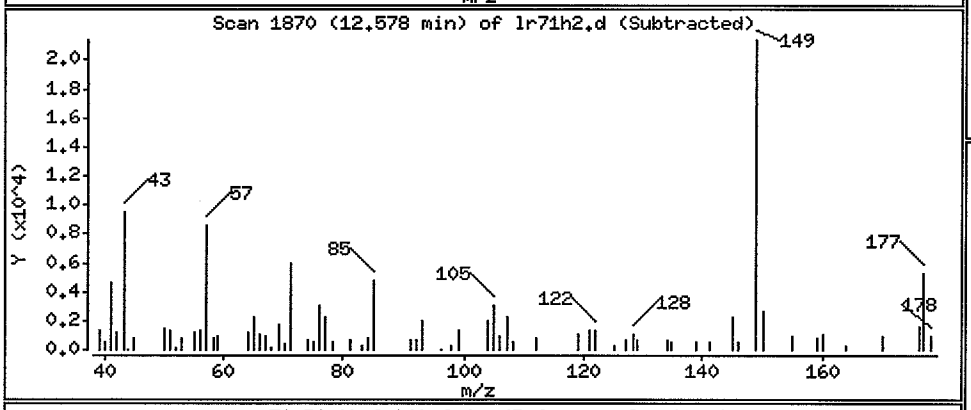
Column diameter: 0.32

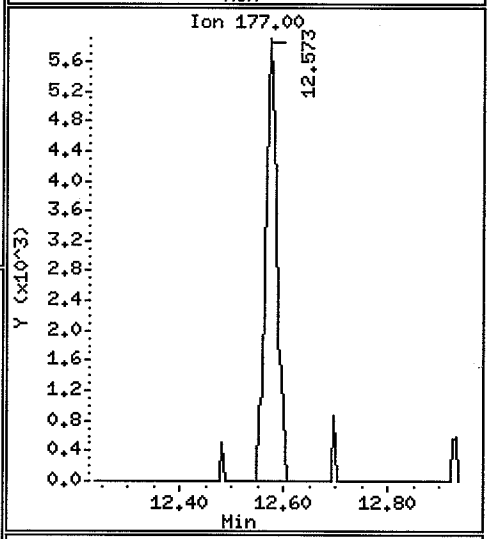
50 Diethylphthalate

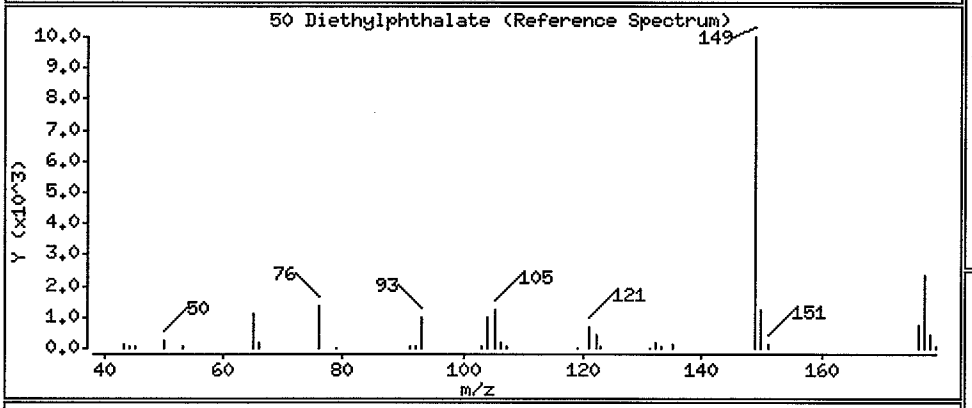
Concentration: 32.98 ug/Kg

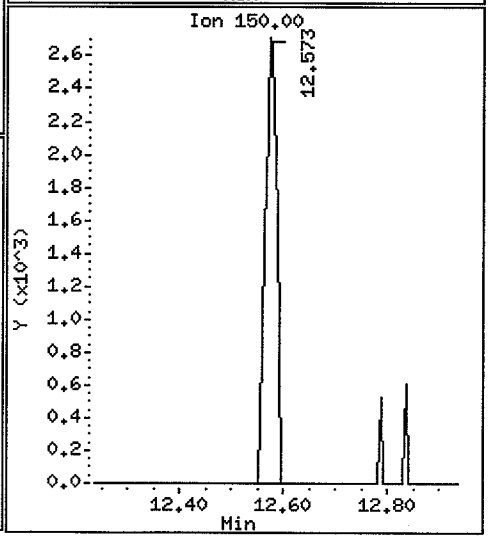


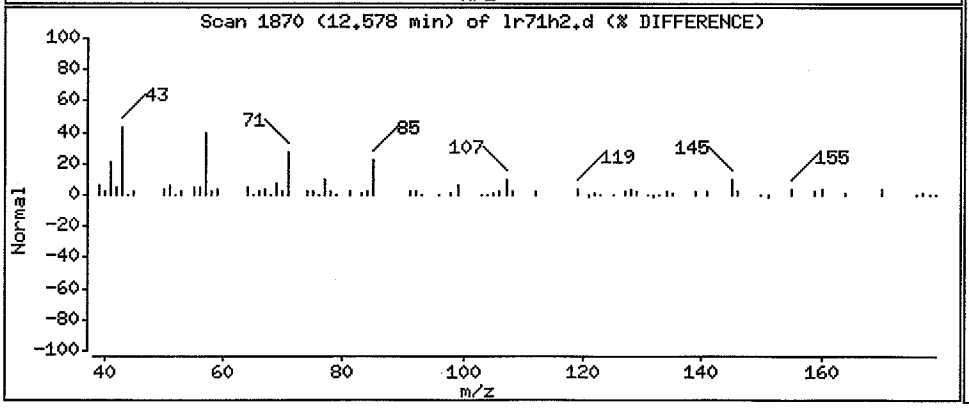












Data File: /chem3/nt4.i/20071101.b/lr71h2.d

Date : 01-NOV-2007 20:50

Client ID:

Instrument: nt4.i

Sample Info: LR71HRE

Volume Injected (uL): 1.0

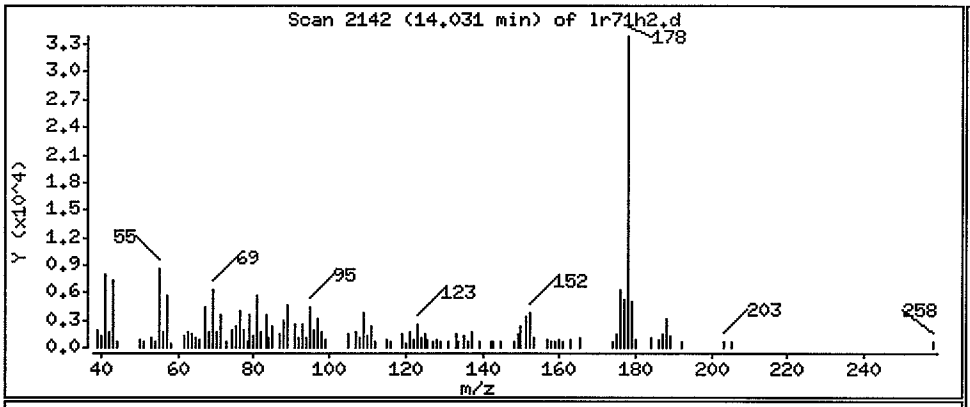
Operator: VTS

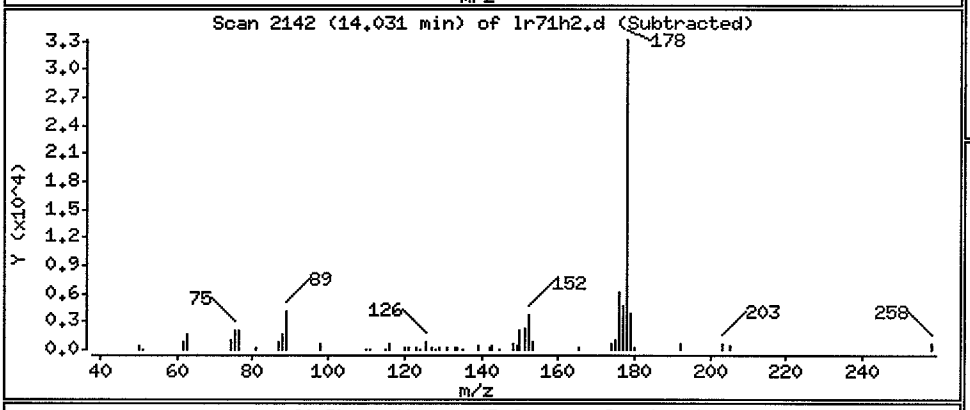
Column phase: ZB-5

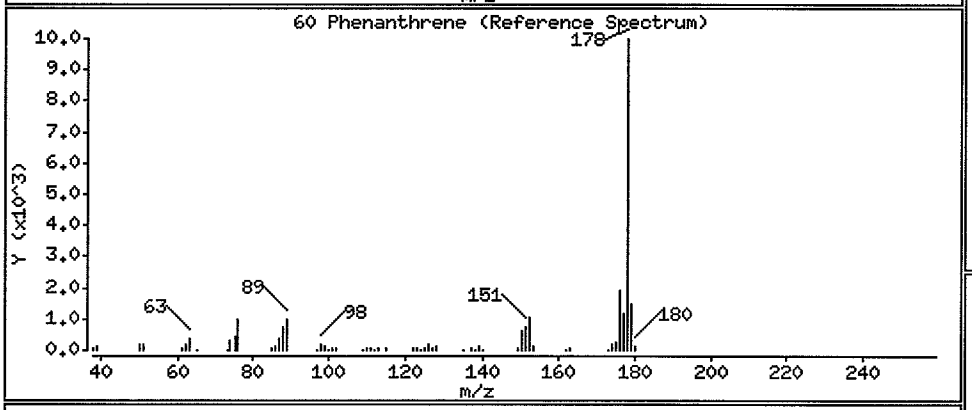
Column diameter: 0.32

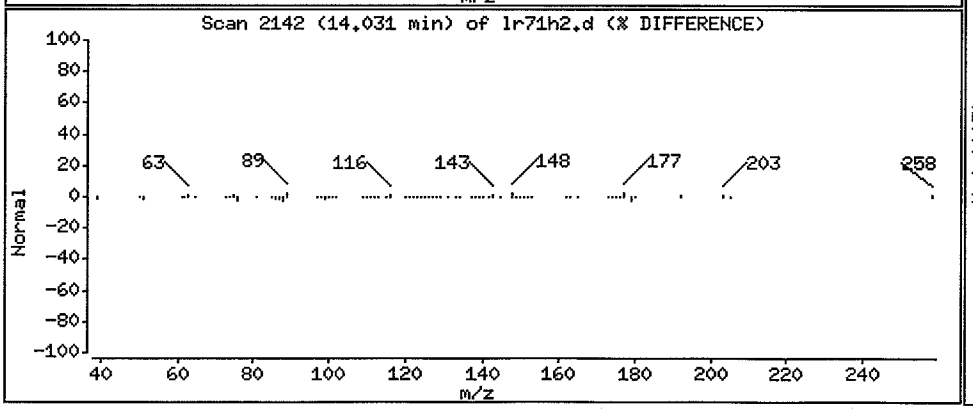
60 Phenanthrene

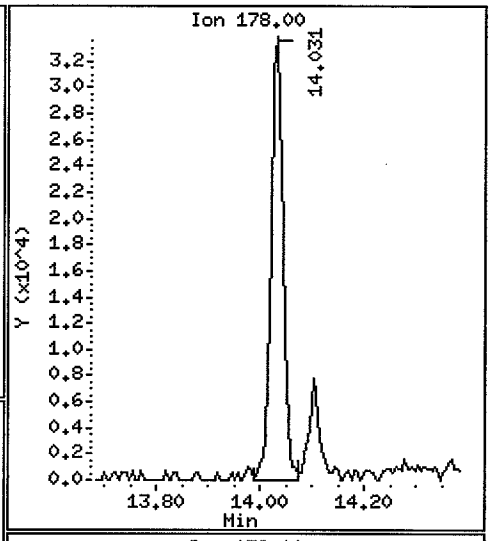
Concentration: 34.55 ug/Kg

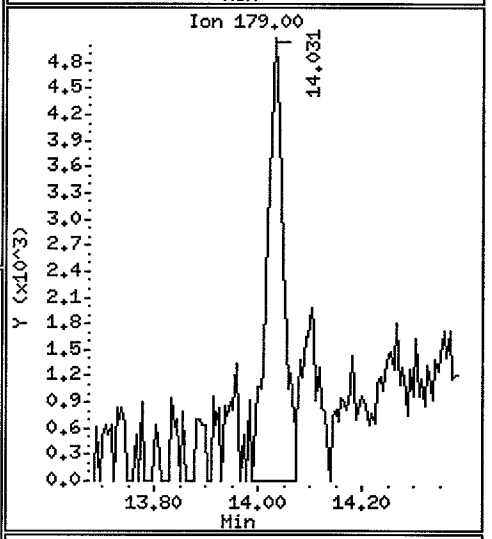


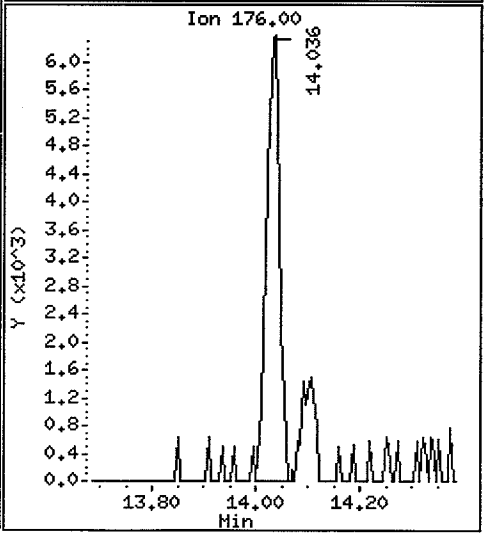












Data File: /chem3/nt4.i/20071101.b/lr71h2.d

Date : 01-NOV-2007 20:50

Client ID:

Instrument: nt4.i

Sample Info: LR71HRE

Volume Injected (uL): 1.0

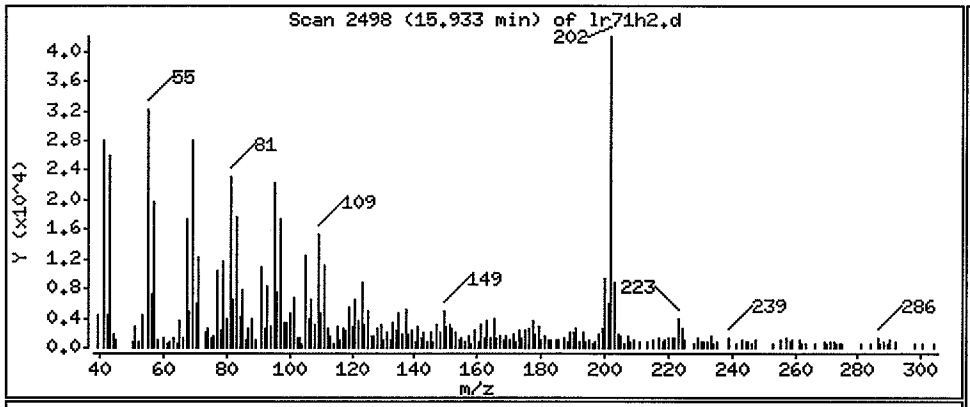
Operator: VTS

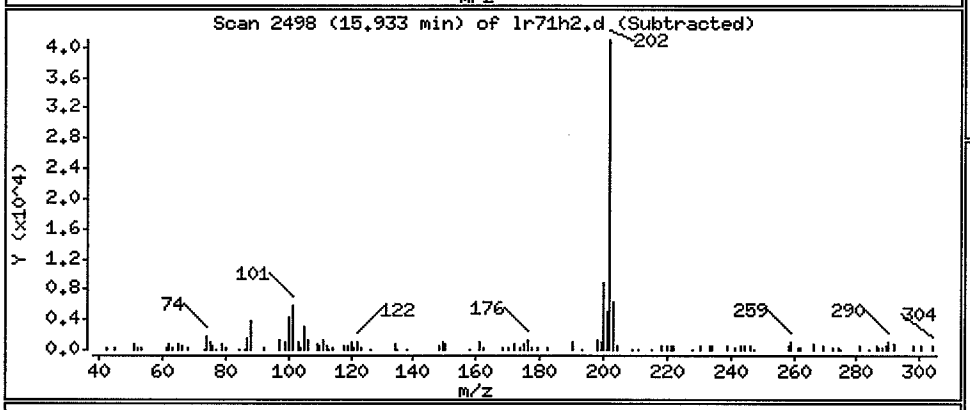
Column phase: ZB-5

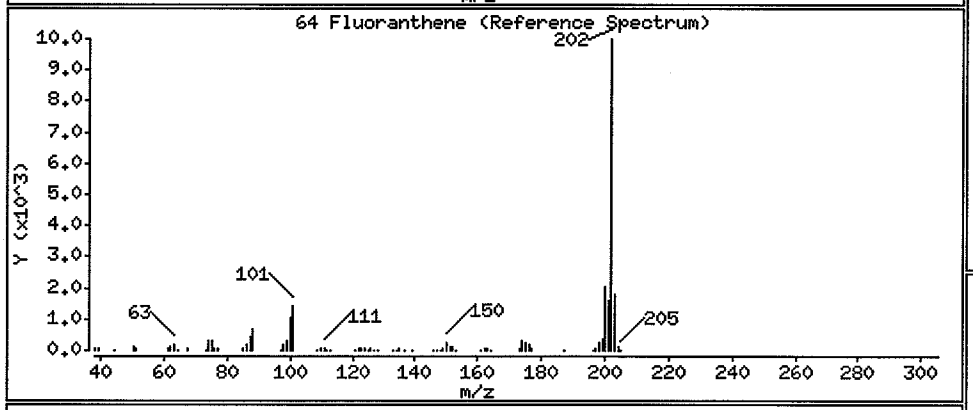
Column diameter: 0.32

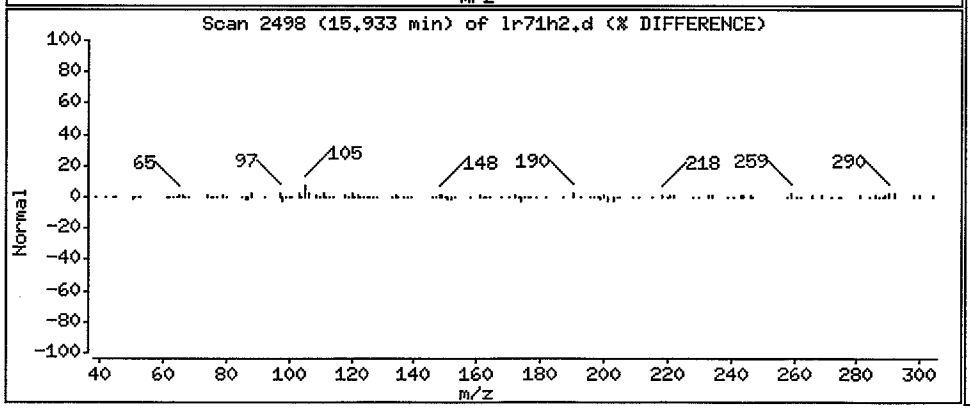
64 Fluoranthene

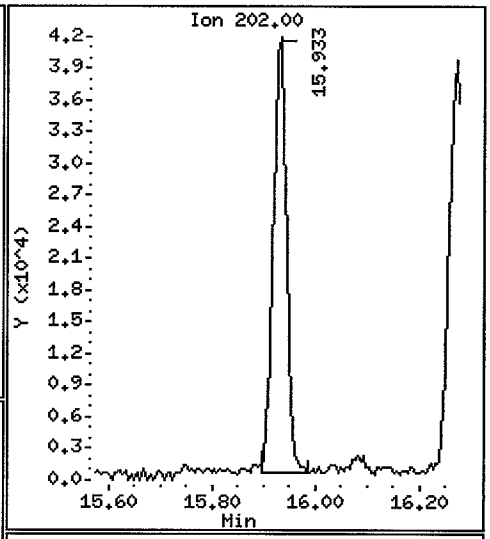
Concentration: 43.99 ug/Kg

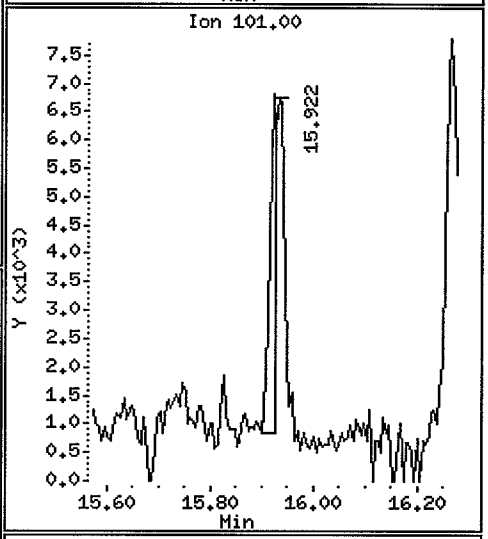


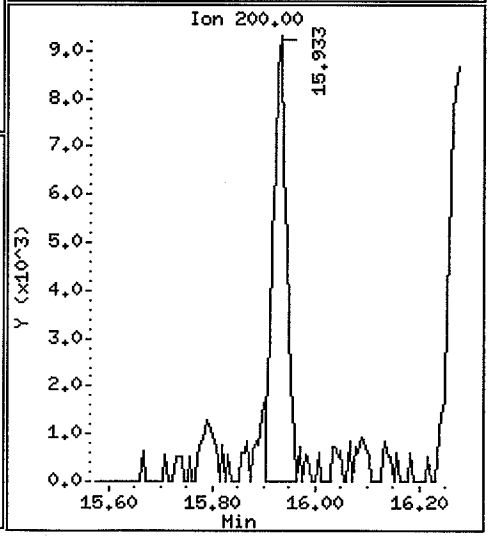












Data File: /chem3/nt4.i/20071101.b/lr71h2.d

Date : 01-NOV-2007 20:50

Client ID:

Instrument: nt4.i

Sample Info: LR71HRE

Volume Injected (uL): 1.0

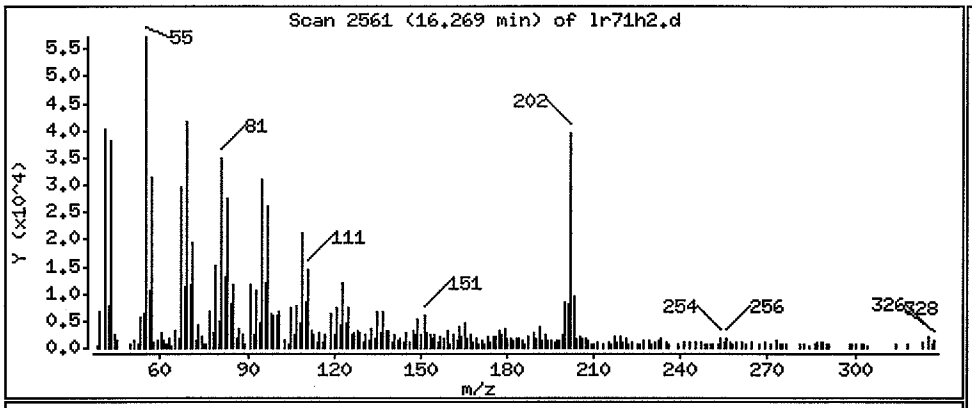
Operator: VTS

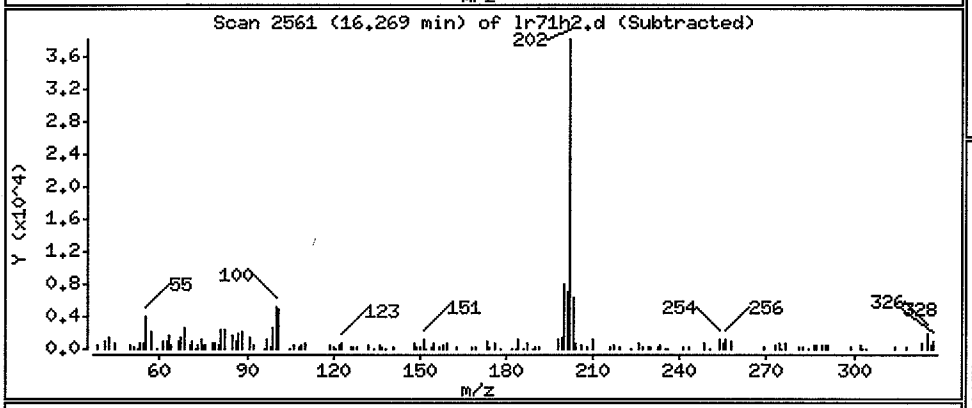
Column phase: ZB-5

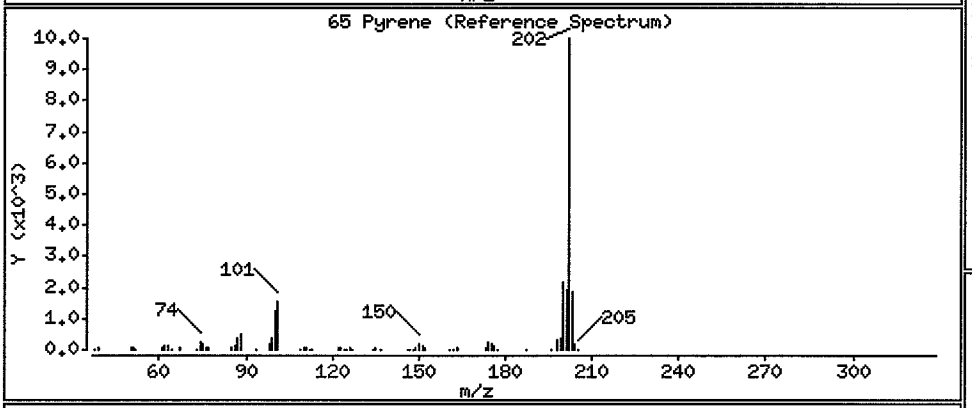
Column diameter: 0.32

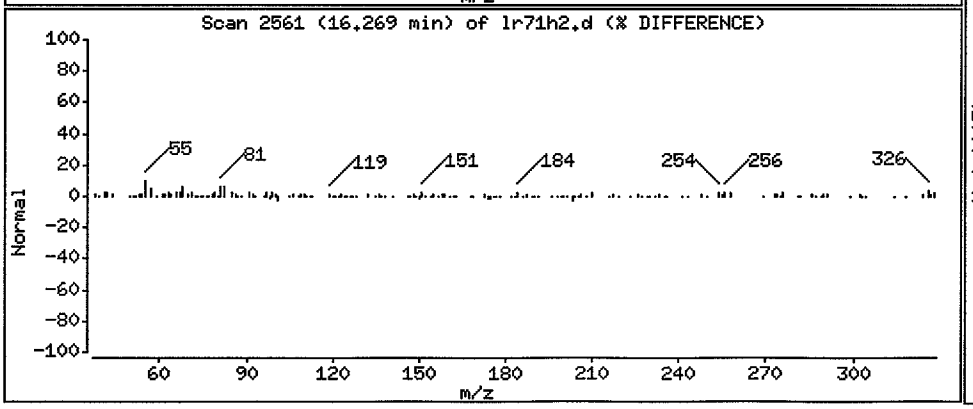
65 Pyrene

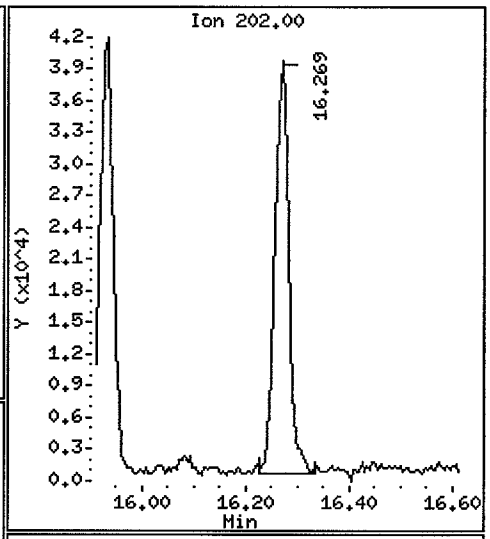
Concentration: 33.54 ug/Kg

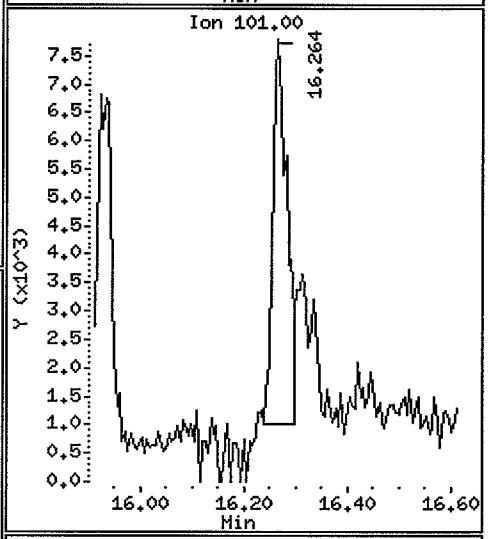


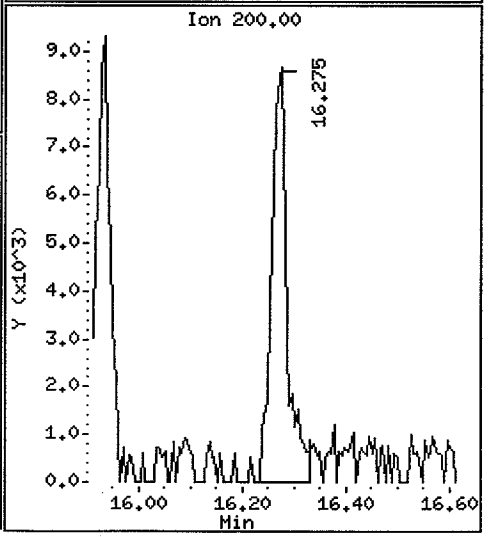












Data File: /chem3/nt4.i/20071101.b/lr71h2.d

Date : 01-NOV-2007 20:50

Client ID:

Instrument: nt4.i

Sample Info: LR71HRE

Volume Injected (uL): 1.0

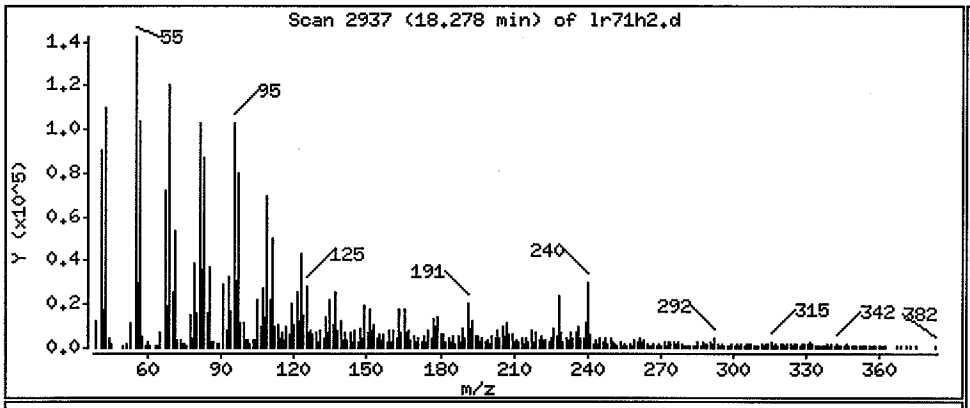
Operator: VTS

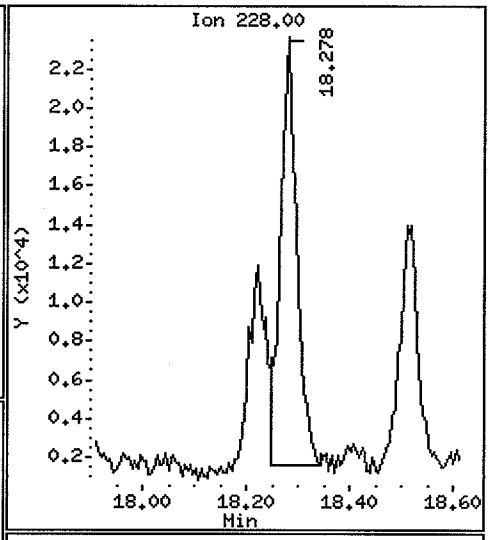
Column phase: ZB-5

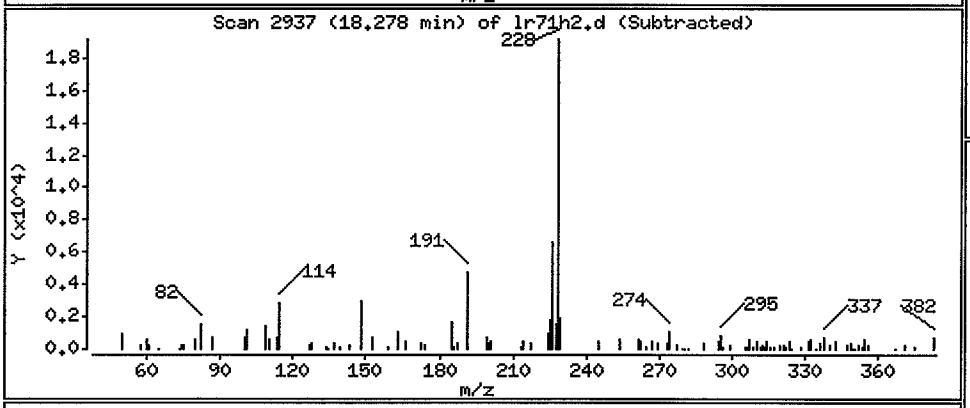
Column diameter: 0.32

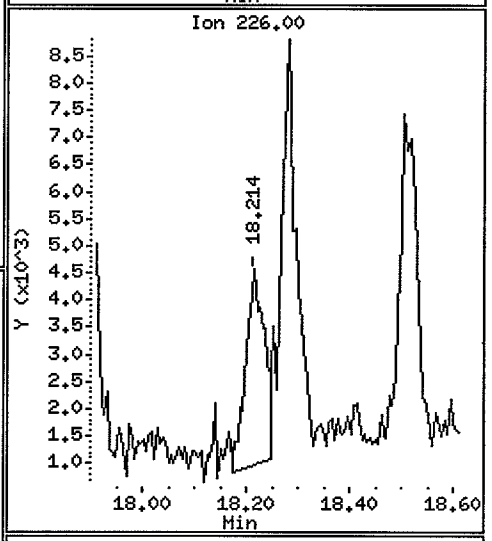
71 Chrysene

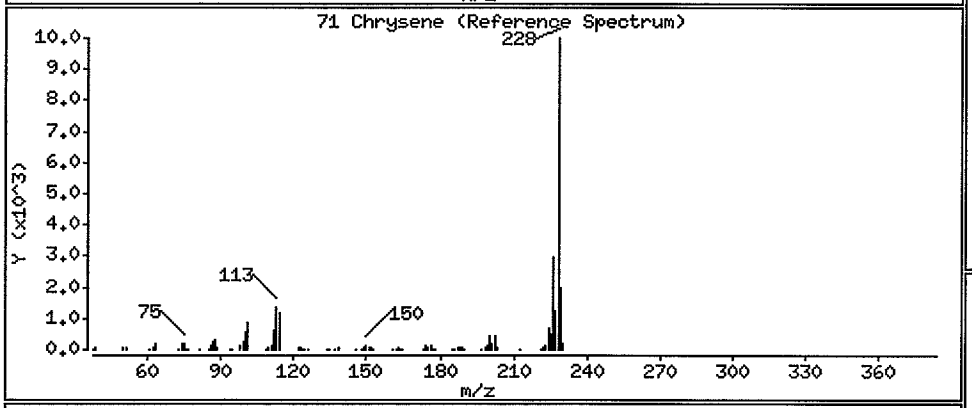
Concentration: 25.75 ug/Kg

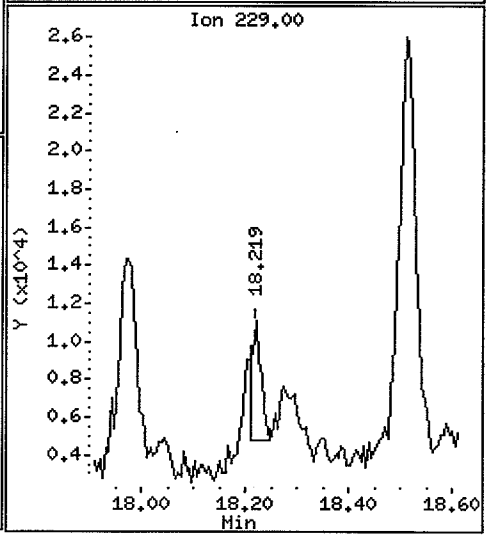


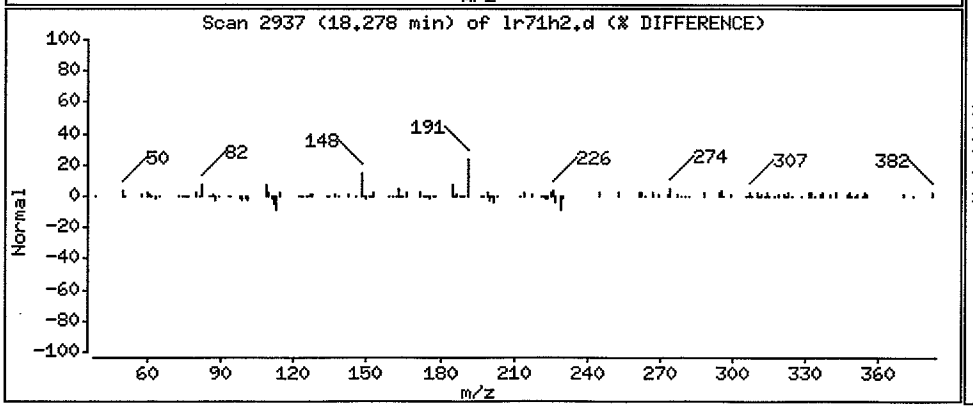












Data File: /chem3/nt4.i/20071101.b/lr71h2.d

Date : 01-NOV-2007 20:50

Client ID:

Instrument: nt4.i

Sample Info: LR71HRE

Volume Injected (uL): 1.0

Operator: VTS

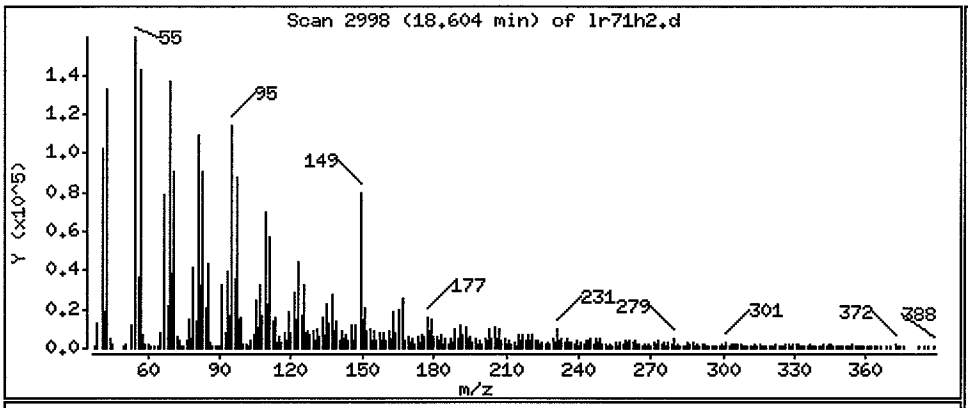
Column phase: ZB-5

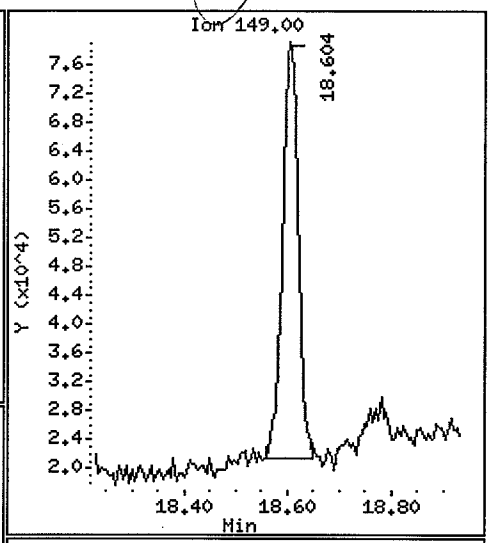
Column diameter: 0.32

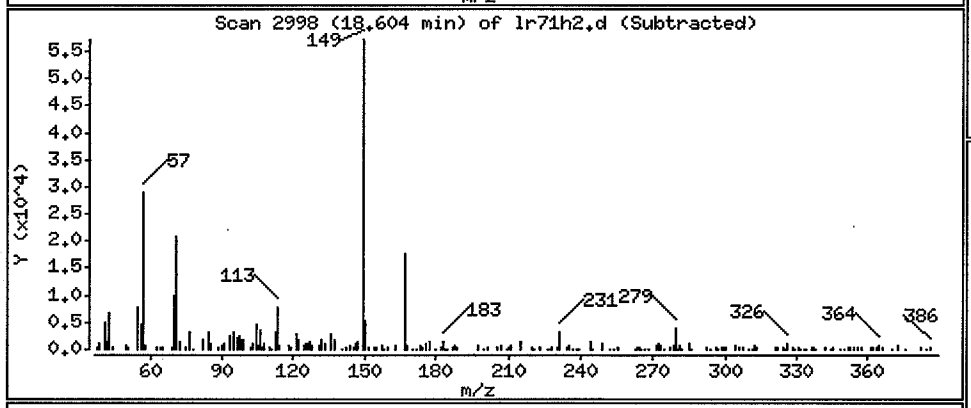
72 bis(2-Ethylhexyl)phthalate

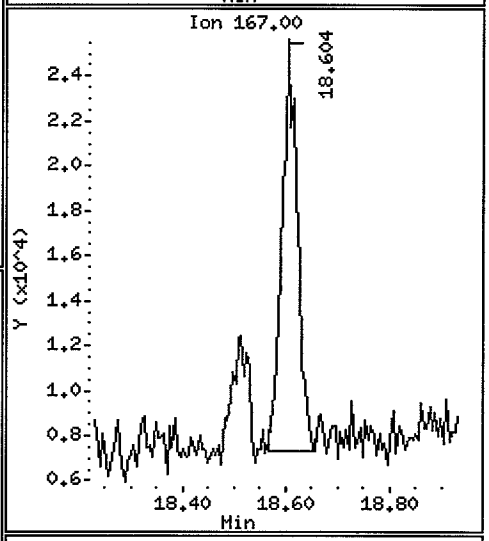
Concentration: 108.0 ug/Kg

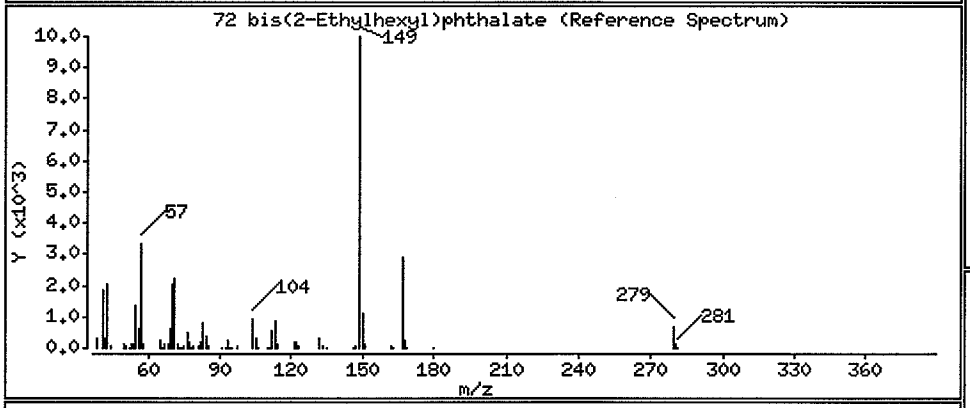
B

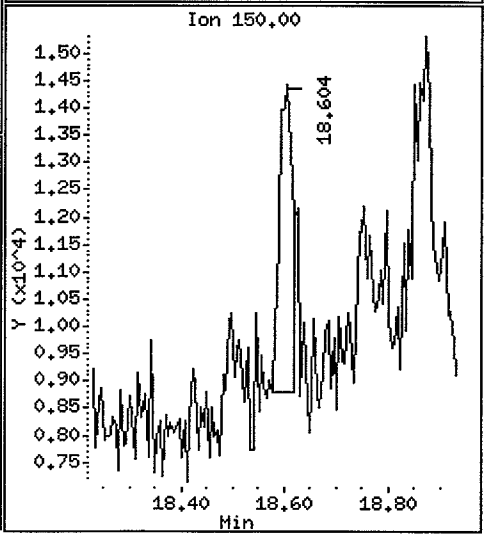


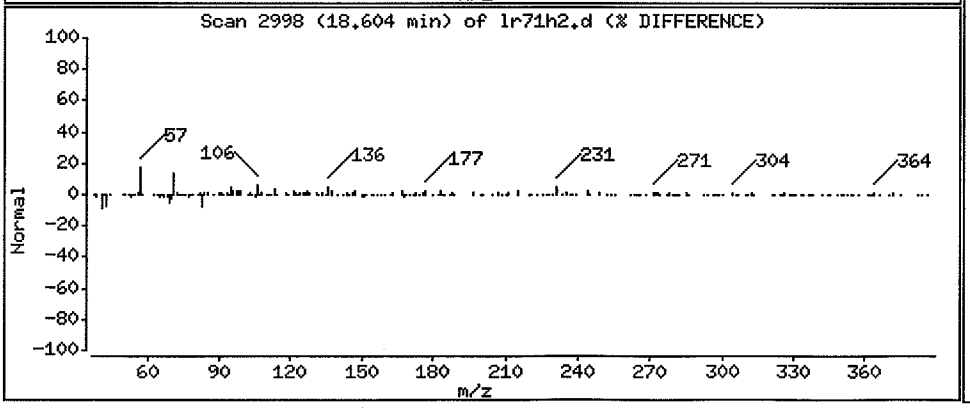












Data File: /chem3/nt4.i/20071101.b/lr71h2.d

Date : 01-NOV-2007 20:50

Client ID:

Instrument: nt4.i

Sample Info: LR71HRE

Volume Injected (uL): 1.0

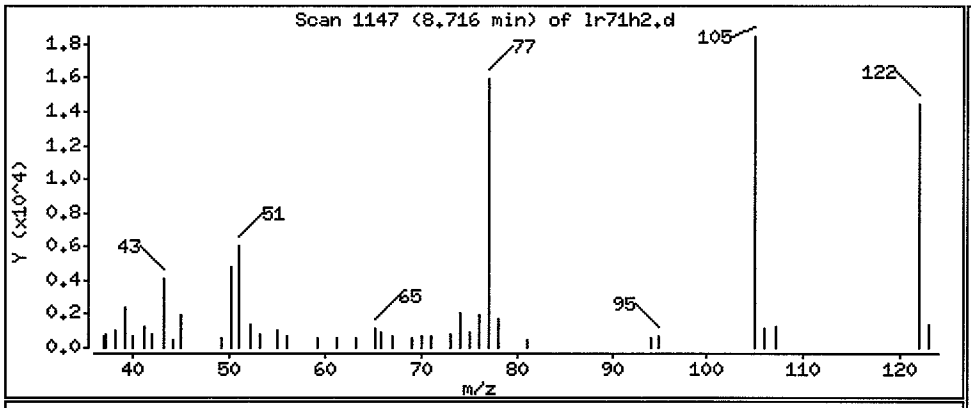
Operator: VTS

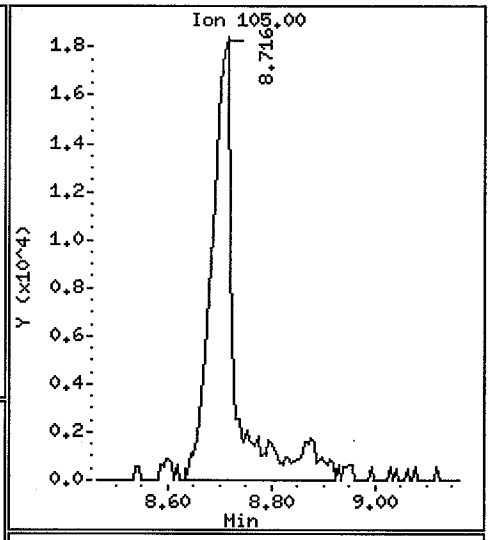
Column phase: ZB-5

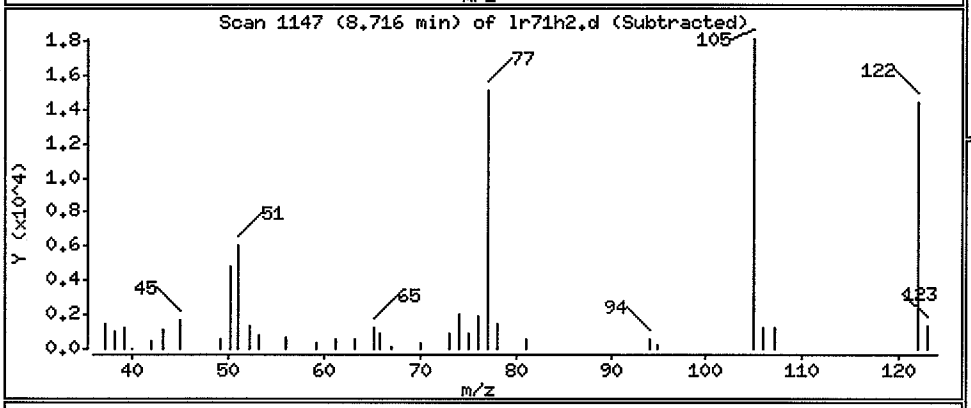
Column diameter: 0.32

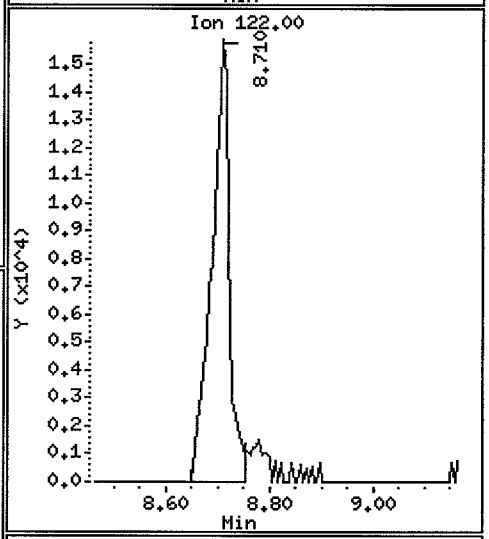
24 Benzoic acid

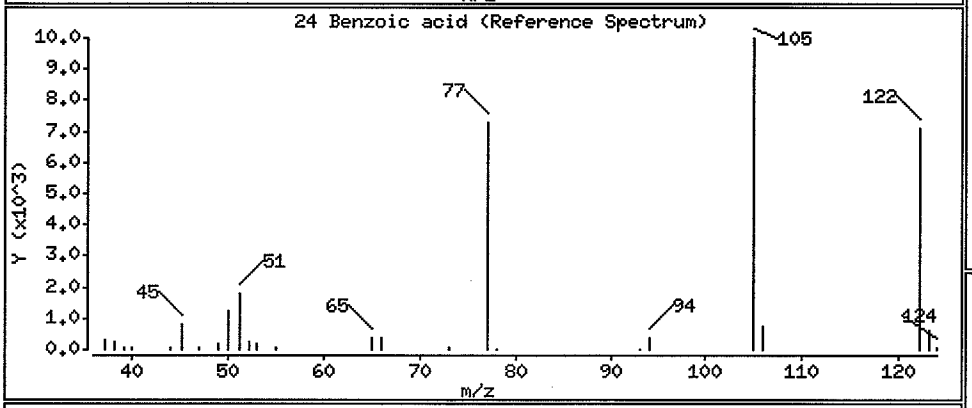
Concentration: 116.5 ug/Kg

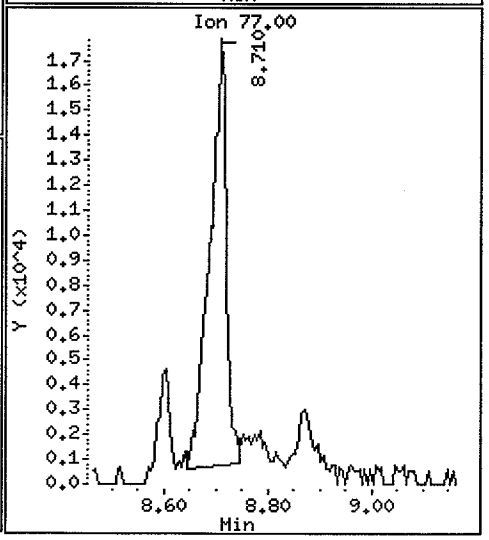


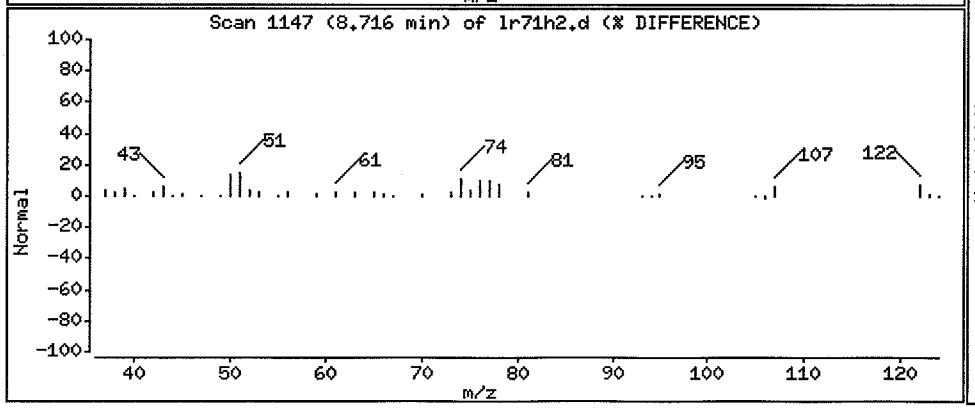












Data File: /chem3/nt4.i/20071101.b/lr71h2.d

Date : 01-NOV-2007 20:50

Client ID:

Instrument: nt4.i

Sample Info: LR71HRE

Volume Injected (uL): 1.0

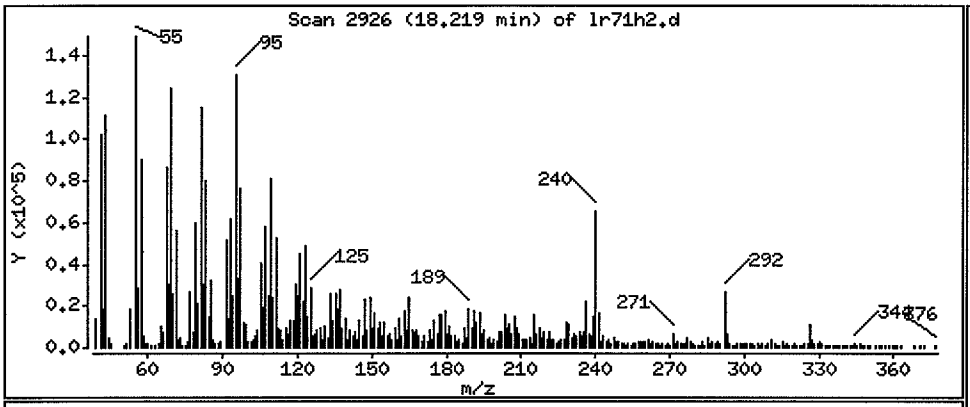
Operator: VTS

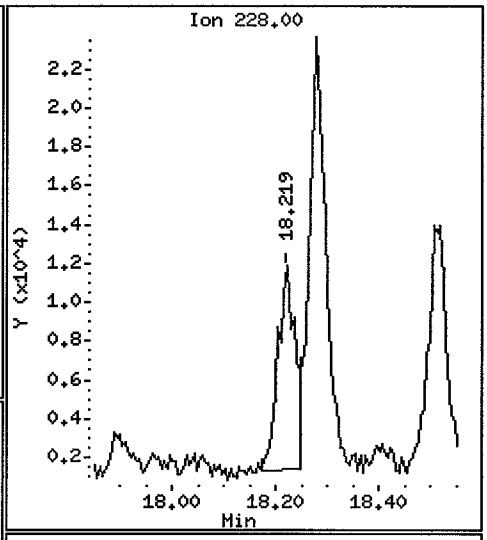
Column phase: ZB-5

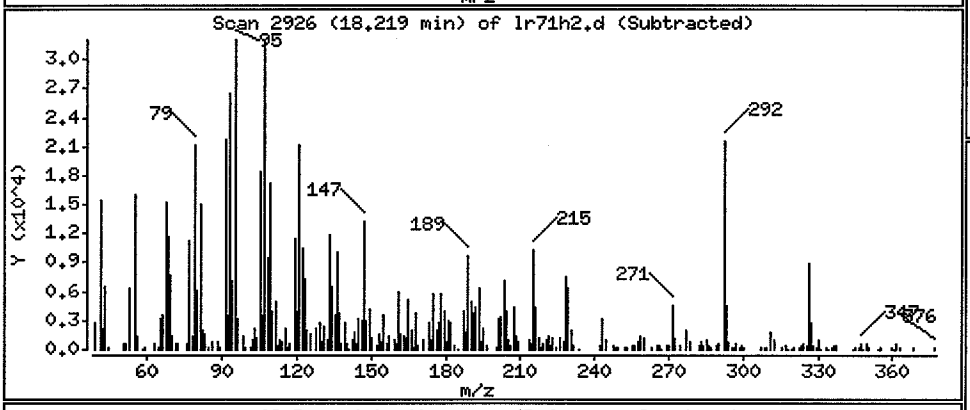
Column diameter: 0.32

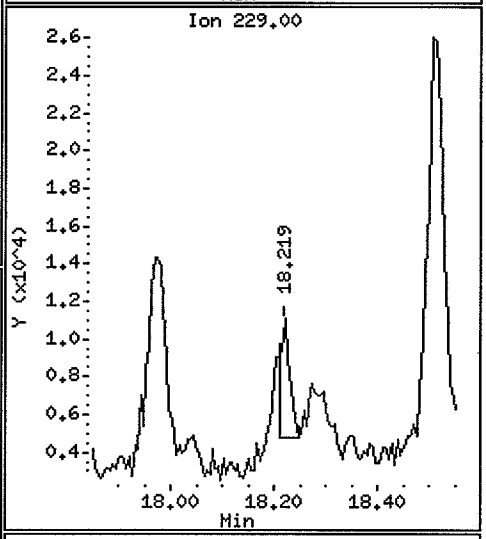
68 Benzo(a)anthracene

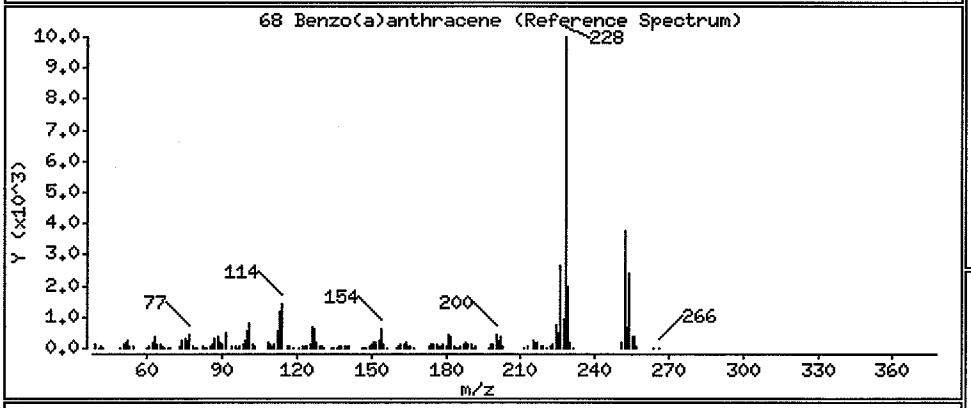
Concentration: 12.44 ug/Kg

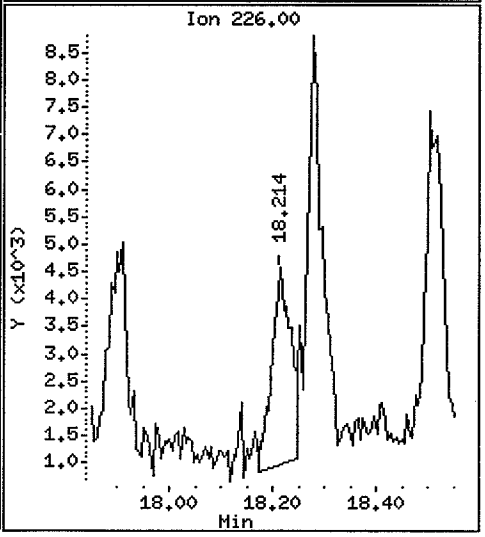


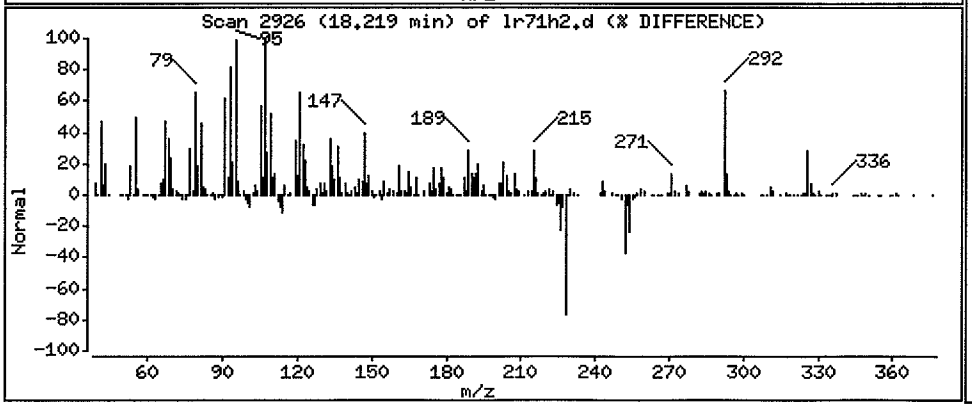












Data File: /chem3/nt4.i/20071101.b/lr71h2.d

Date : 01-NOV-2007 20:50

Client ID:

Instrument: nt4.i

Sample Info: LR71HRE

Volume Injected (uL): 1.0

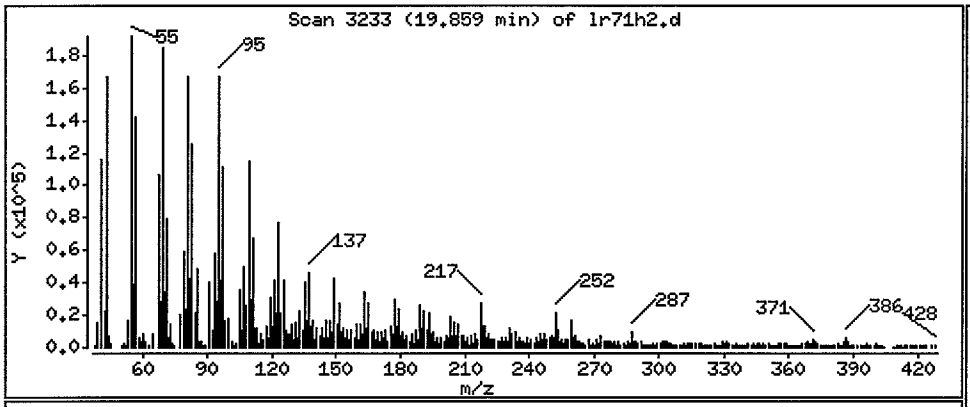
Operator: VTS

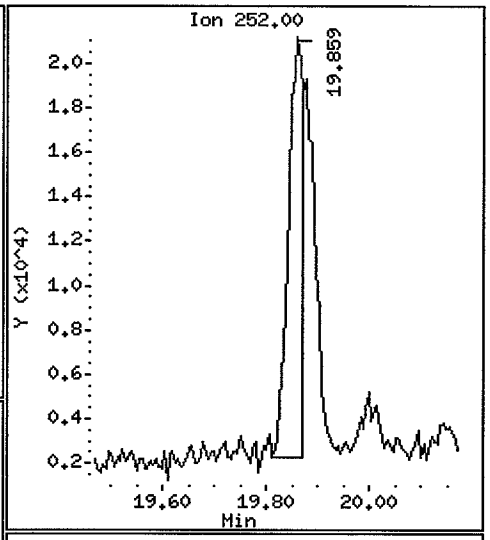
Column phase: ZB-5

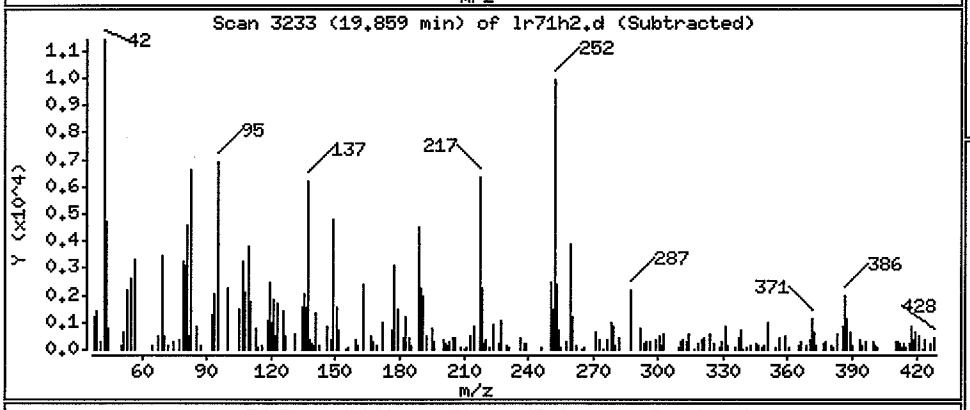
Column diameter: 0.32

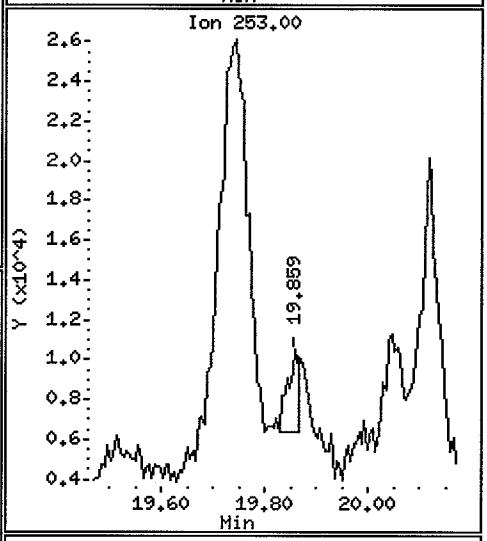
74 Benzo(b)fluoranthene

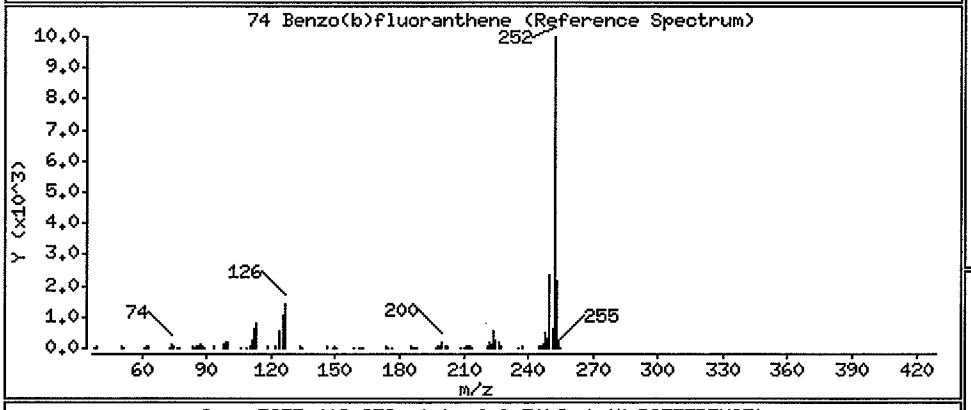
Concentration: 19.63 ug/Kg

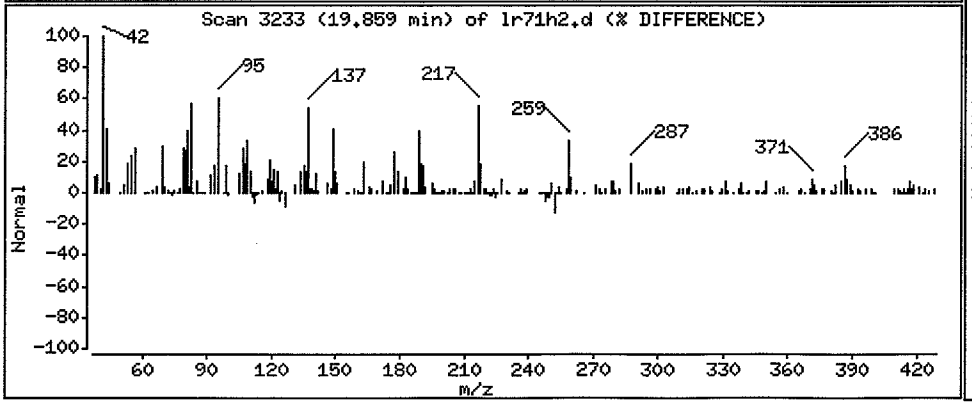


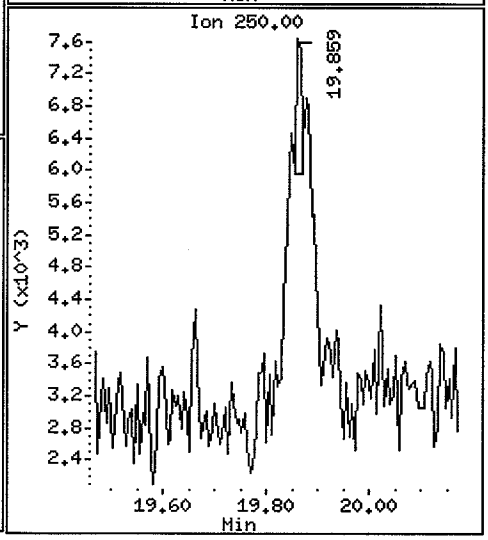












Data File: /chem3/nt4.i/20071101.b/lr71h2.d

Date : 01-NOV-2007 20:50

Client ID:

Instrument: nt4.i

Sample Info: LR71HRE

Volume Injected (uL): 1.0

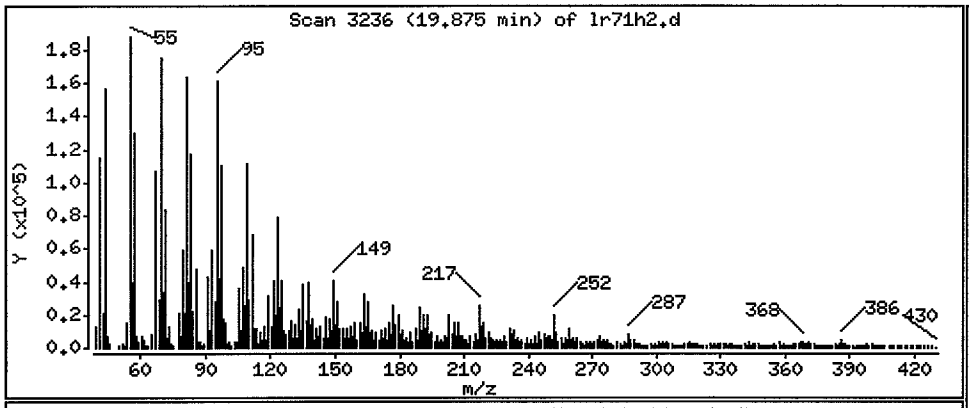
Operator: VTS

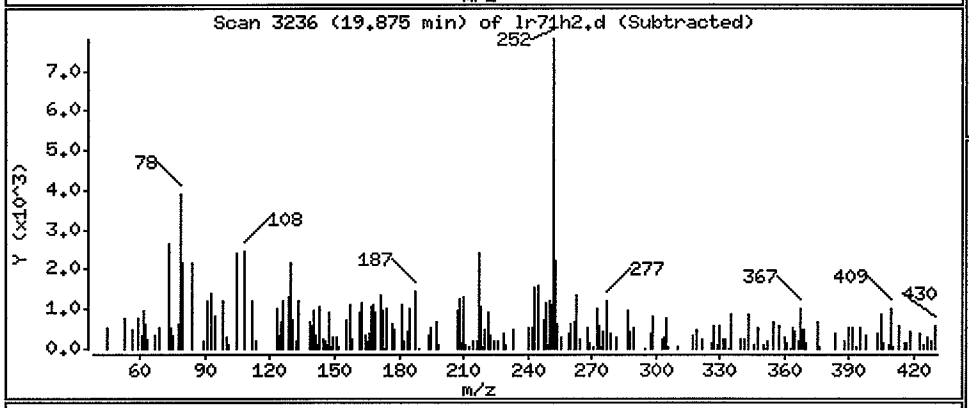
Column phase: ZB-5

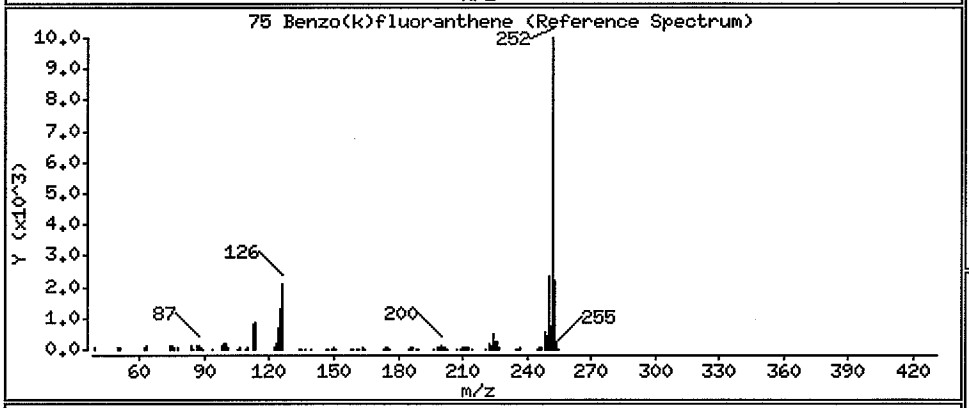
Column diameter: 0.32

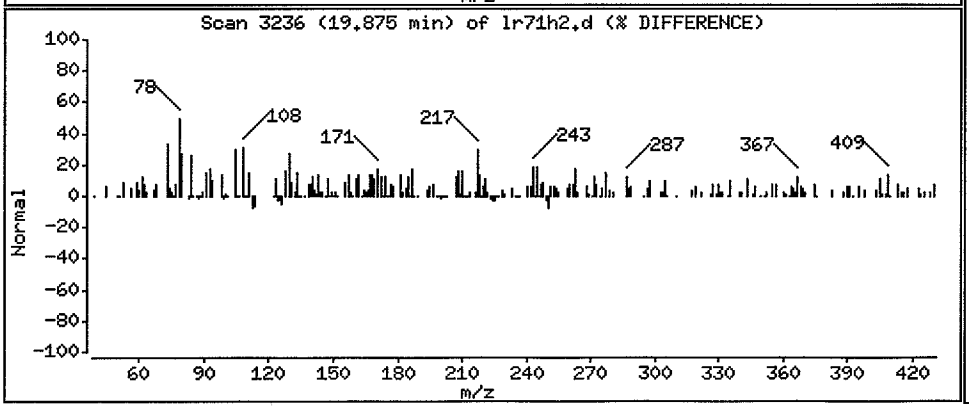
75 Benzo(k)fluoranthene

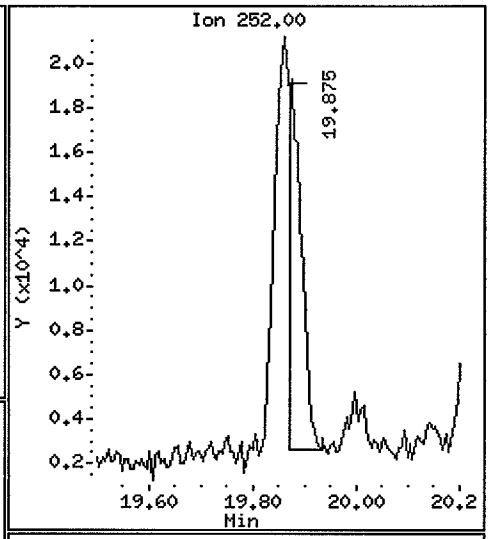
Concentration: 14.50 ug/Kg

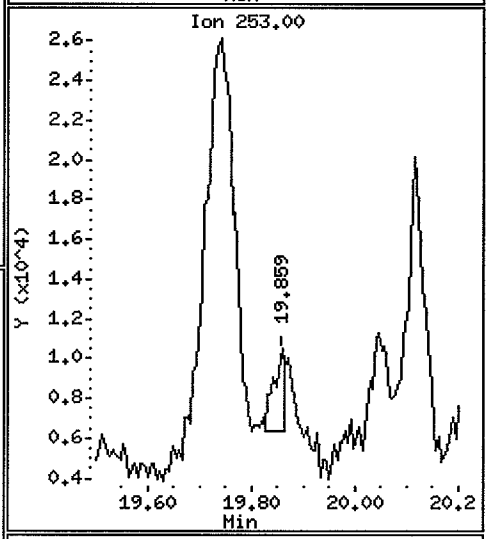


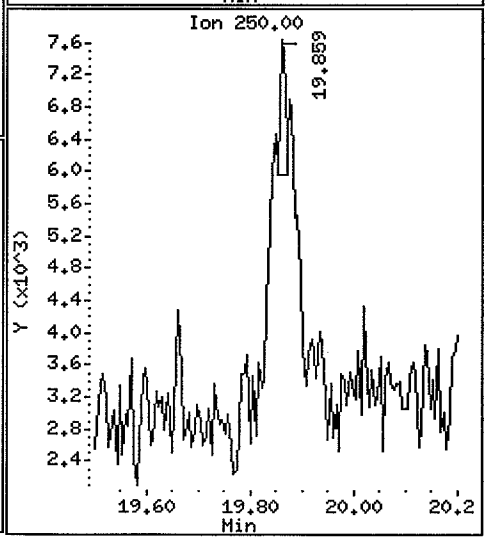












Data File: /chem3/nt4.i/20071101.b/lr71h2.d

Date : 01-NOV-2007 20:50

Client ID:

Instrument: nt4.i

Sample Info: LR71HRE

Volume Injected (uL): 1.0

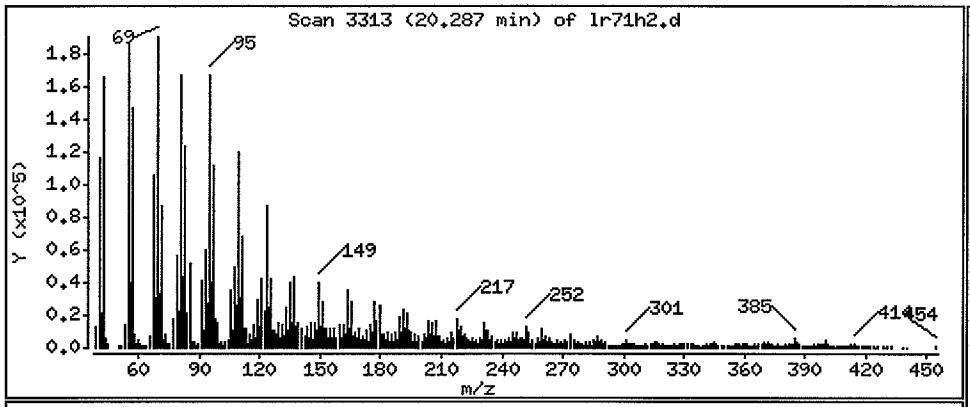
Operator: VTS

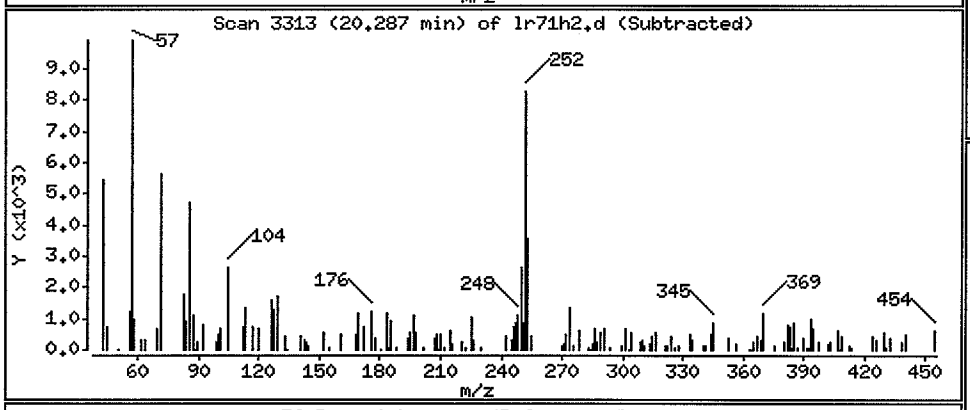
Column phase: ZB-5

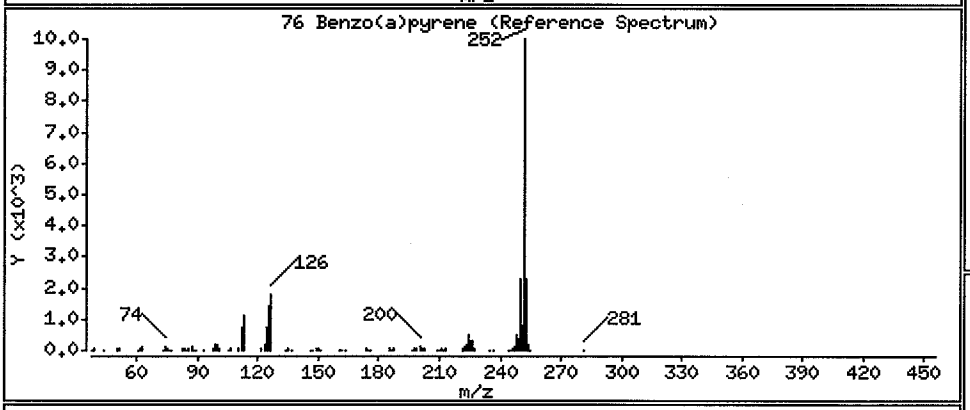
Column diameter: 0.32

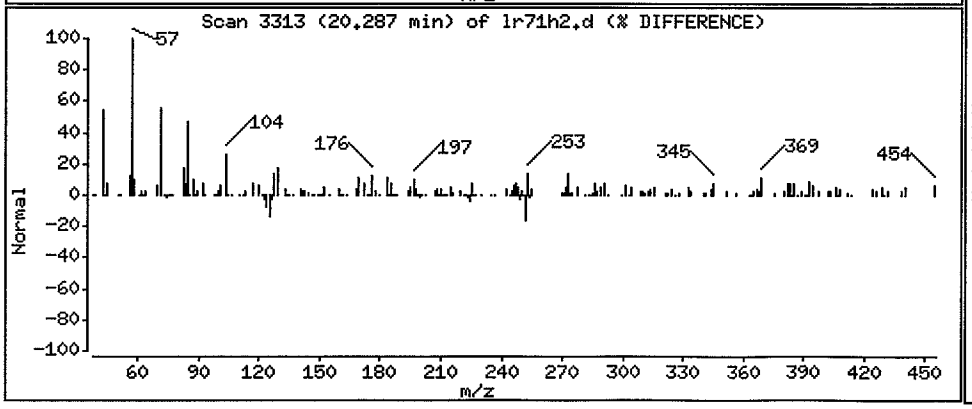
76 Benzo(a)pyrene

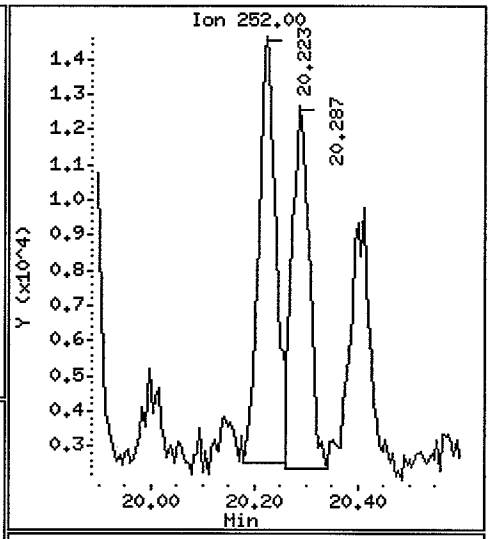
Concentration: 14.47 ug/Kg

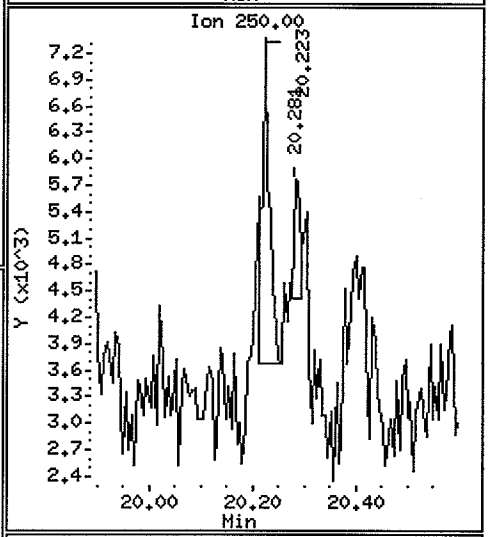


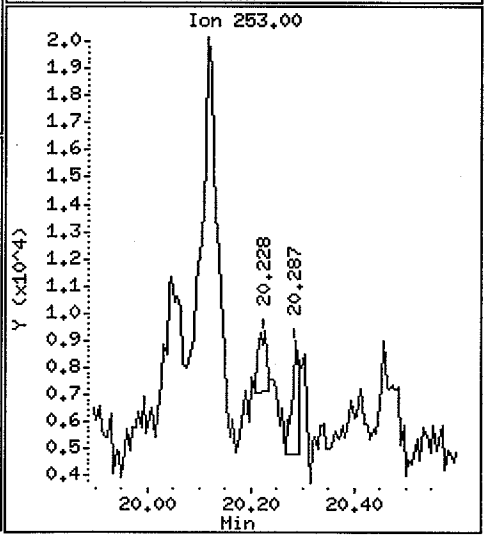












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-05**
Page 1 of 2 **SAMPLE**

Lab Sample ID: LR71I
LIMS ID: 07-20774
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 19:44
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: 48.3%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**44**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	**Phenanthrene**	**20**	**39**
120-12-7	Anthracene	20	< 20 U
84-74-2	**Di-n-Butylphthalate**	**20**	**150 M**
206-44-0	**Fluoranthene**	**20**	**210**
129-00-0	**Pyrene**	**20**	**84**
85-68-7	**Butylbenzylphthalate**	**20**	**27 M**
56-55-3	**Benzo(a)anthracene**	**20**	**24**
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**30**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**28**
207-08-9	**Benzo(k)fluoranthene**	**20**	**24**
50-32-8	**Benzo(a)pyrene**	**20**	**25**
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-05**
Page 2 of 2 **SAMPLE**

Lab Sample ID: LR71I QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20774 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 10/18/07 19:44

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	50.4%	2-Fluorobiphenyl	48.8%
d14-p-Terphenyl	68.4%	d4-1,2-Dichlorobenzene	45.2%
d5-Phenol	52.3%	2-Fluorophenol	62.9%
2,4,6-Tribromophenol	63.2%	d4-2-Chlorophenol	53.9%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071018.b/lr71i.d
Lab Smp Id: LR71I Client Smp ID: AN-SS-05
Inj Date : 18-OCT-2007 19:44
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71I
Misc Info : 07-20774
Comment : 1ul Injection
Method : /chem1/nt6.i/20071018.b/SW846.m
Meth Date : 25-Oct-2007 15:32 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJT 10/25/07

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	97.10000	Weight of sample extracted (g)
M	48.30000	% 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	5.981	5.917	(0.756)	342607	23.5579	469.3
$ 2	Phenol-d5	99	7.504	7.488	(0.948)	364972	19.6453	391.3
3	Phenol	94	7.520	7.504	(0.950)	12188	0.52936 LJR	10.54
$ 5	2-Chlorophenol-d4	132	7.616	7.600	(0.962)	249690	20.1794	402.0
4	Bis(2-Chloroethyl)ether	93	7.846	7.579	(0.991)	14547	0.93492	18.62 RT
6	2-Chlorophenol	128	Compound Not Detected.					
7	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8	1,4-Dichlorobenzene-d4	152	7.915	7.904	(1.000)	197352	20.0000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	8.214	8.204	(1.038)	105072	11.3239	225.6
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	8.685	8.674	(1.097)	30830	2.22454	44.31
$	18 Nitrobenzene-d5	82	8.850	8.845	(0.888)	255625	12.5878	250.8
	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	9.972	9.961	(1.000)	632048	20.0000	
	28 Naphthalene	128	10.004	9.999	(1.003)	25372	0.65123	12.97
	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	11.783	11.777	(0.917)	374260	12.2077	243.2
	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	12.851	12.841	(1.000)	393756	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	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	Compound Not Detected.					
	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	14.150	14.139	(1.101)	90685	23.7379	472.9
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	15.239	15.223	(1.000)	712380	20.0000	
	60 Phenanthrene	178	15.271	15.261	(1.002)	88714	1.94094	38.66
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	16.393	16.350	(1.076)	359167	7.56653	150.7
64	Fluoranthene	202	17.269	17.205	(1.133)	551423	10.5497	210.2
65	Pyrene	202	17.601	17.563	(0.899)	272886	4.20547	83.77
$ 66	Terphenyl-d14	244	17.921	17.884	(0.915)	692521	17.0508	339.7
67	Butylbenzylphthalate	149	18.819	18.776	(0.961)	39178	1.37313	27.35(M)
68	Benzo(a)anthracene	228	19.561	19.529	(0.999)	83368	1.17771	23.46
* 69	Chrysene-d12	240	19.588	19.556	(1.000)	903473	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	19.625	19.598	(1.002)	95754	1.50524	29.98
72	bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
* 134	Di-n-octylphthalate-d4	153	20.747	20.720	(1.000)	1217237	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	21.223	21.190	(0.976)	57262	1.39311	27.75
75	Benzo(k)fluoranthene	252	21.239	21.228	(0.976)	53634	1.23350	24.57(M)
76	Benzo(a)pyrene	252	21.666	21.639	(0.996)	46998	1.24586	24.81
* 77	Perylene-d12	264	21.751	21.719	(1.000)	572397	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
79	Dibenzo(a,h)anthracene	278	Compound Not Detected.					
80	Benzo(g,h,i)perylene	276	Compound Not Detected.					
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: lr71i.d
Lab Smp Id: LR71I
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20774

Calibration Date: 18-OCT-2007
Calibration Time: 10:07
Client Smp ID: AN-SS-05
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	197352	-6.94
27 Naphthalene-d8	656578	328289	1313156	632048	-3.74
42 Acenaphthene-d10	353705	176852	707410	393756	11.32
59 Phenanthrene-d10	526440	263220	1052880	712380	35.32
69 Chrysene-d12	581923	290962	1163846	903473	55.26
134 Di-n-octylphthala	979097	489548	1958194	1217237	24.32
77 Perylene-d12	686531	343266	1373062	572397	-16.62

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.90	7.40	8.40	7.92	0.14
27 Naphthalene-d8	9.96	9.46	10.46	9.97	0.11
42 Acenaphthene-d10	12.84	12.34	13.34	12.85	0.08
59 Phenanthrene-d10	15.22	14.72	15.72	15.24	0.11
69 Chrysene-d12	19.56	19.06	20.06	19.59	0.16
134 Di-n-octylphthala	20.72	20.22	21.22	20.75	0.13
77 Perylene-d12	21.72	21.22	22.22	21.75	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

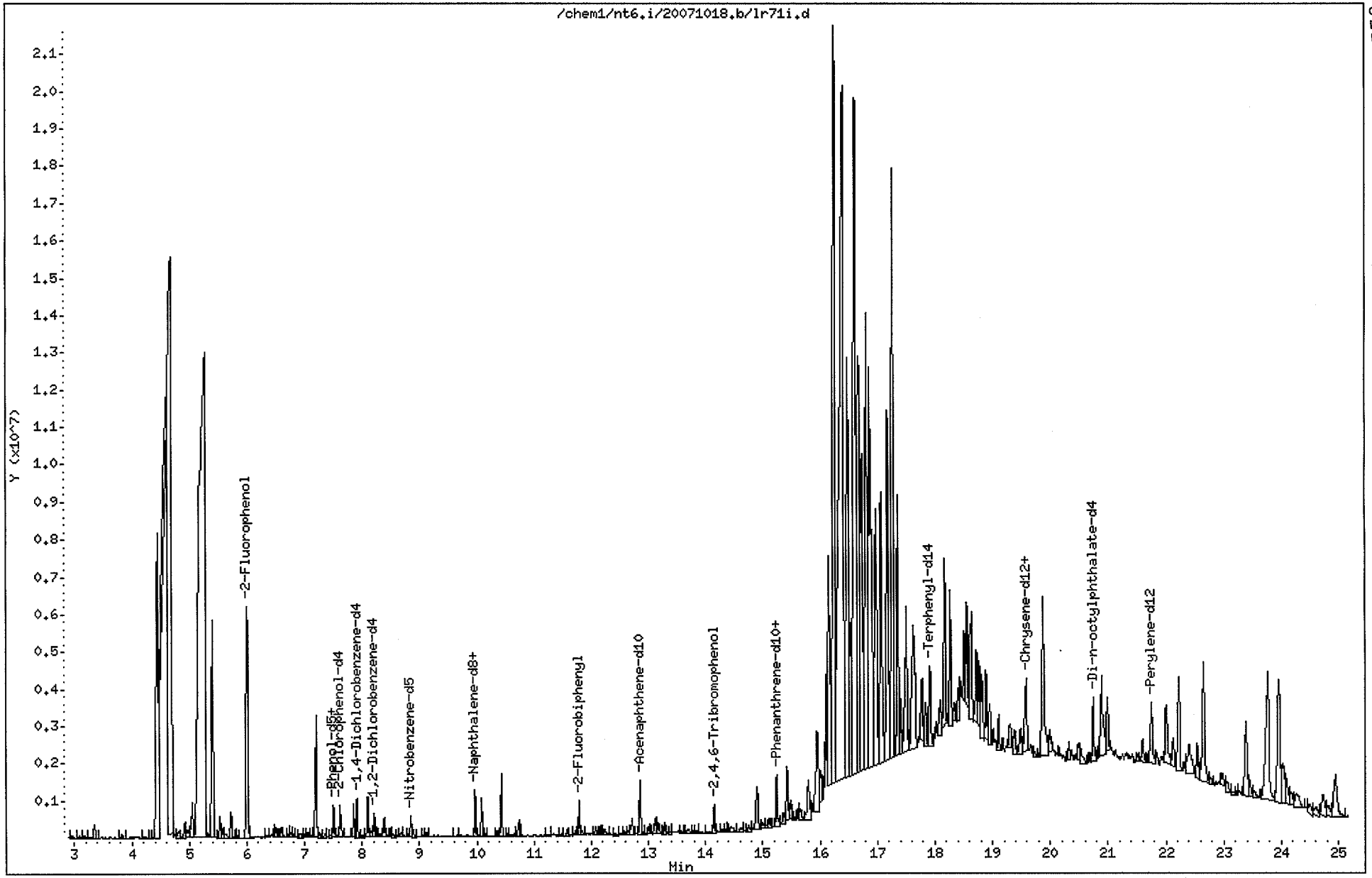
Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71I
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20774

Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-05
Operator: LJR/VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	747.0	469.3	62.82	11-84
$ 2 Phenol-d5	747.0	391.3	52.39	25-86
$ 5 2-Chlorophenol-d4	747.0	402.0	53.81	23-91
$ 10 1,2-Dichlorobenzen	498.0	225.6	45.30	24-90
$ 18 Nitrobenzene-d5	498.0	250.8	50.35	26-88
$ 36 2-Fluorobiphenyl	498.0	243.2	48.83	34-91
$ 55 2,4,6-Tribromophen	747.0	472.9	63.30	25-107
$ 66 Terphenyl-d14	498.0	339.7	68.20	22-100

Data File: /chem1/nt6.i/20071018.b/lr71i.d
Date : 18-OCT-2007 19:44
Client ID: AN-SS-05
Sample Info: LR71I
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0538

Data File: /chem1/nt6.i/20071018.b/lr71i.d

Date : 18-OCT-2007 19:44

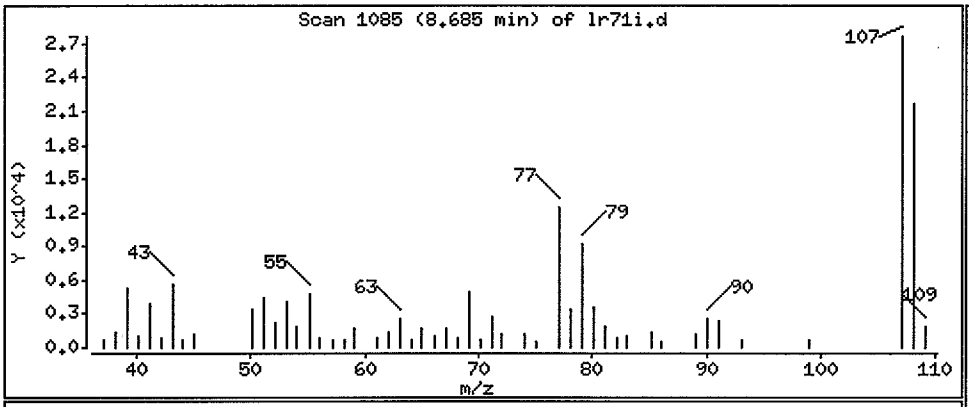
Client ID: AN-SS-05 Instrument: nt6.i

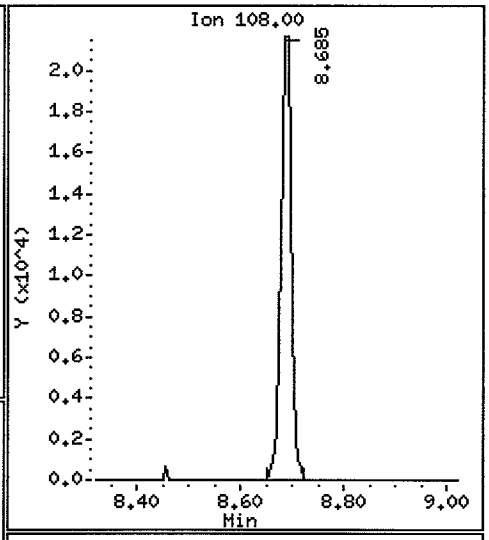
Sample Info: LR71I

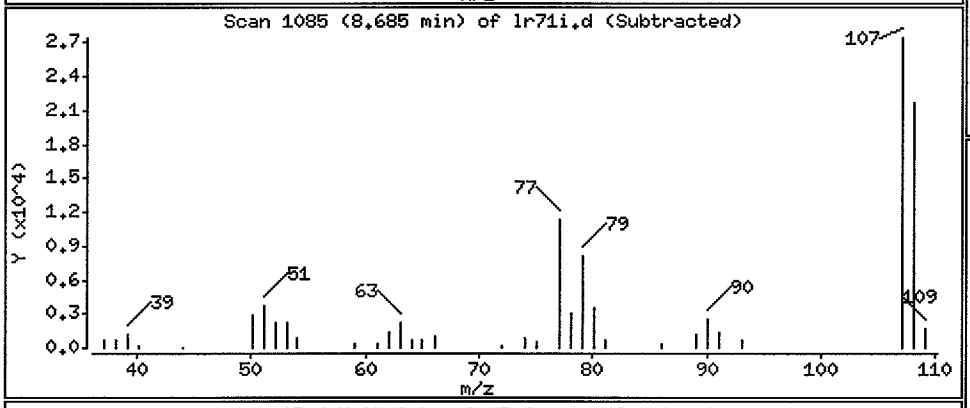
Volume Injected (uL): 1.0 Operator: LJR/VTS

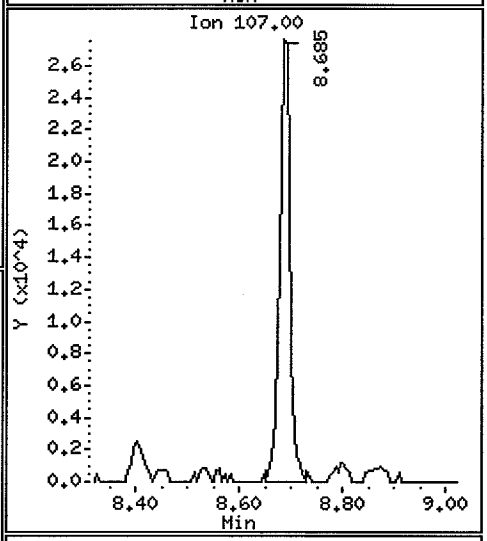
Column phase: ZB-5 Column diameter: 0.32

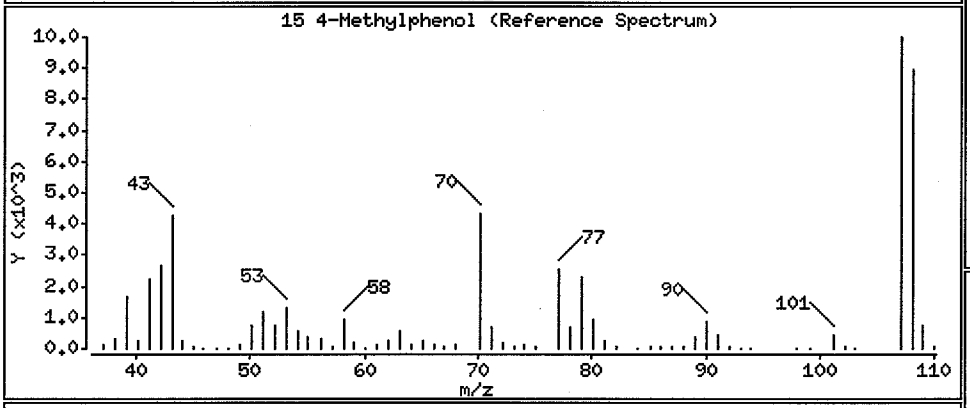
15 4-Methylphenol Concentration: 44.31 ug/kg

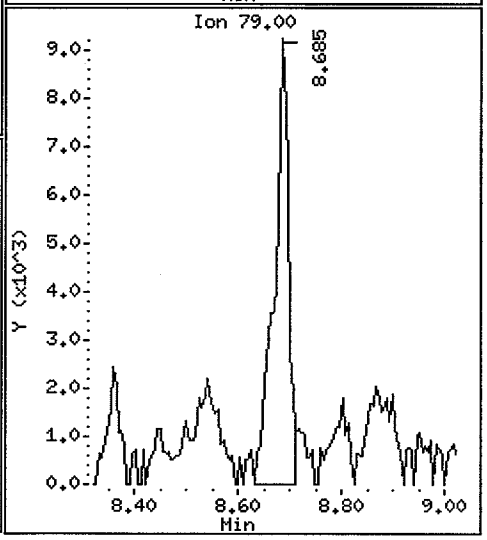


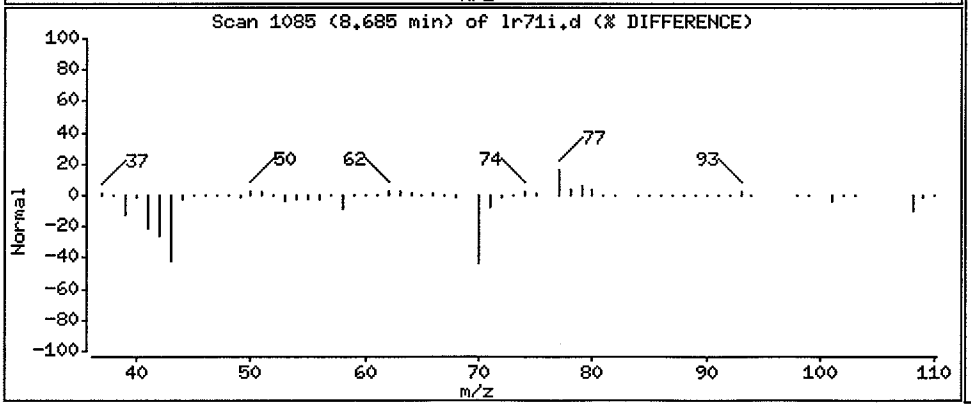












Data File: /chem1/nt6.i/20071018.b/lr71i.d

Date : 18-OCT-2007 19:44

Client ID: AN-SS-05

Instrument: nt6.i

Sample Info: LR71I

Volume Injected (uL): 1.0

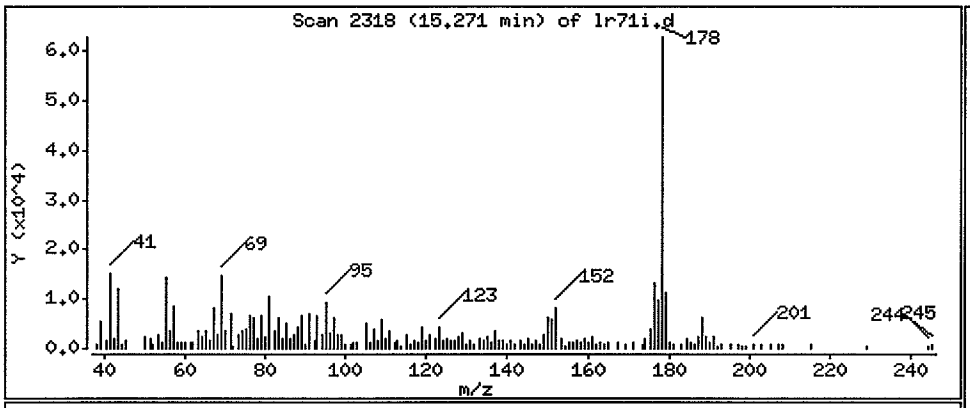
Operator: LJR/VTS

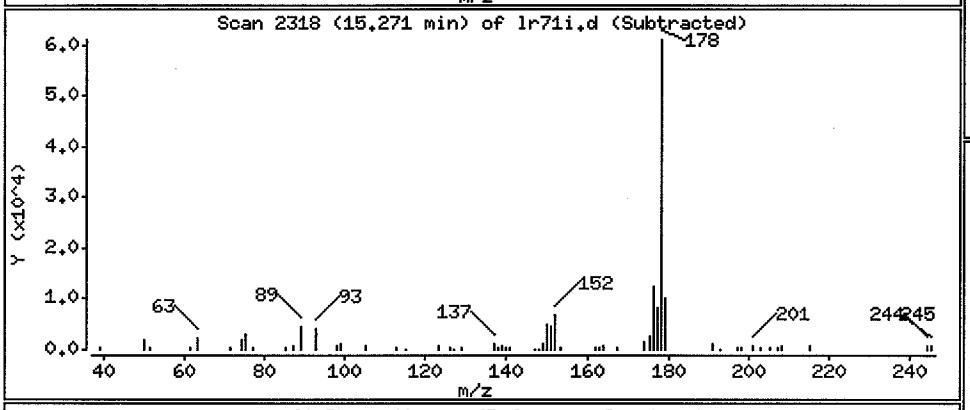
Column phase: ZB-5

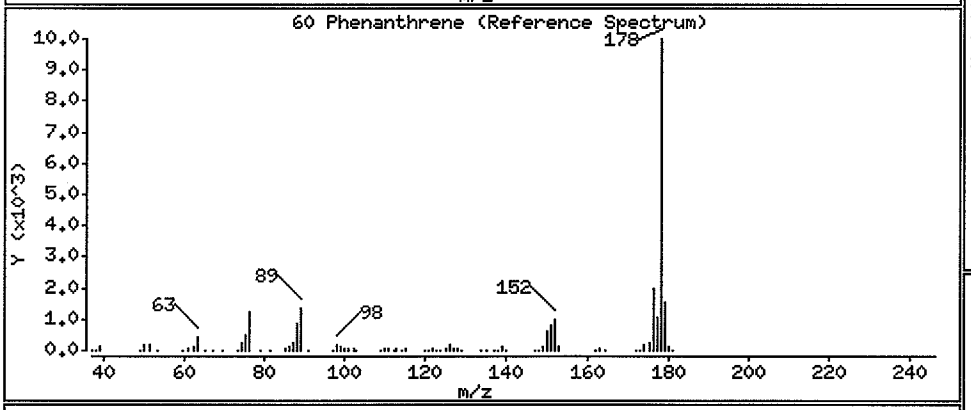
Column diameter: 0.32

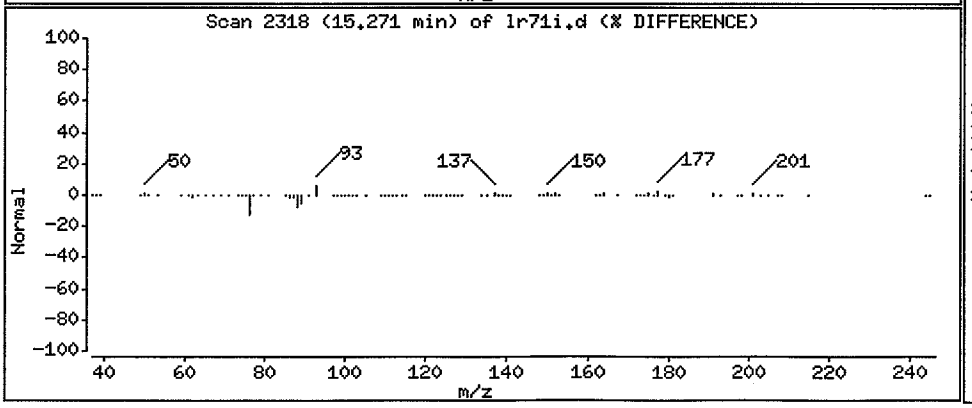
60 Phenanthrene

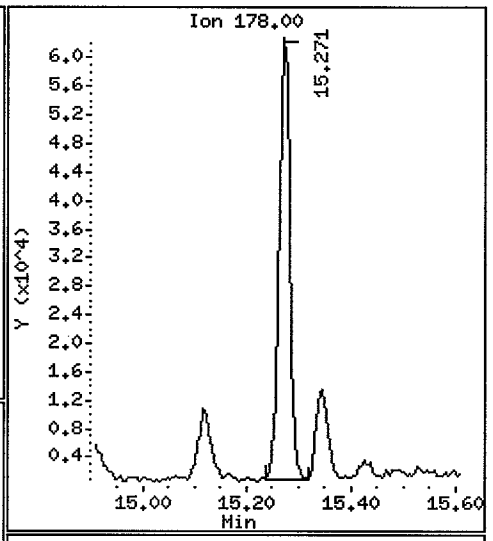
Concentration: 38.66 ug/kg

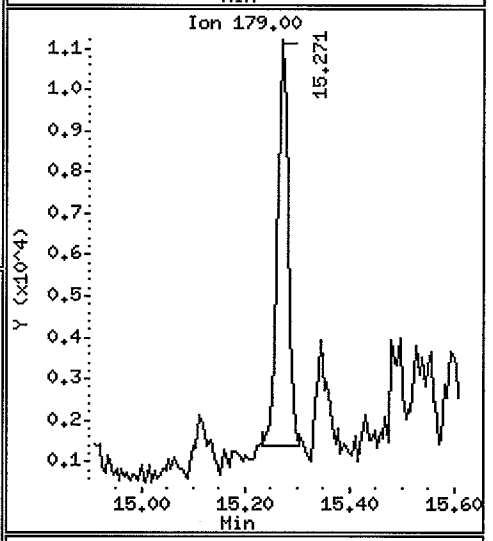


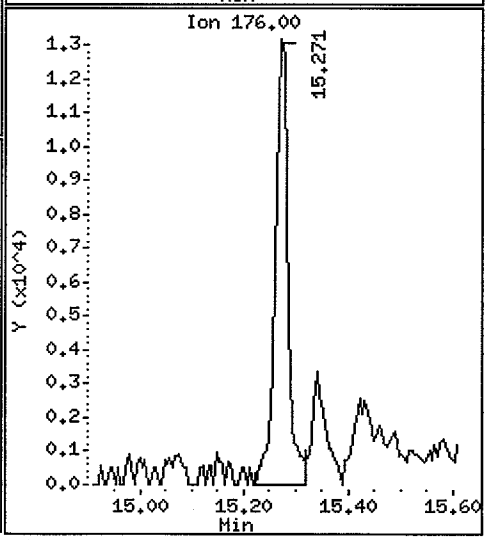












Data File: /chem1/nt6.i/20071018.b/lr71i.d

Date : 18-OCT-2007 19:44

Client ID: AN-SS-05

Instrument: nt6.i

Sample Info: LR71I

Volume Injected (uL): 1.0

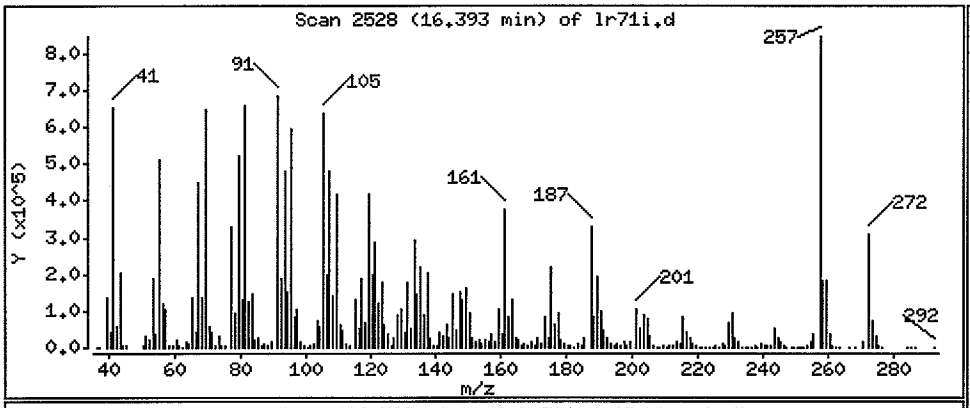
Operator: LJR/VTS

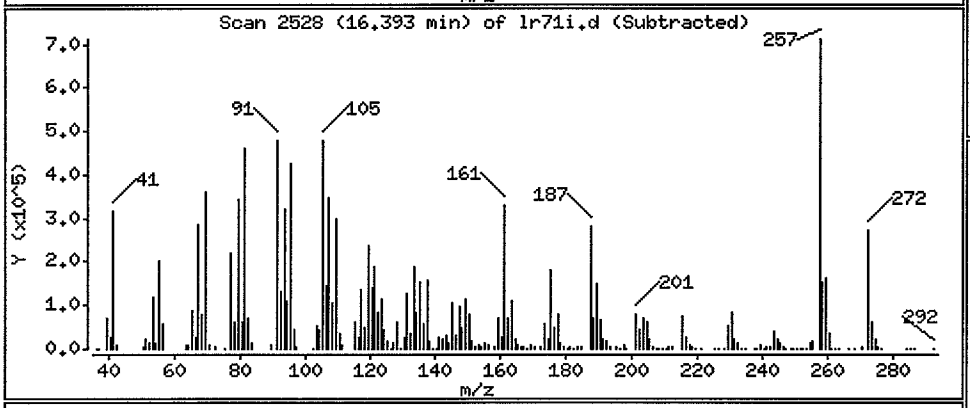
Column phase: ZB-5

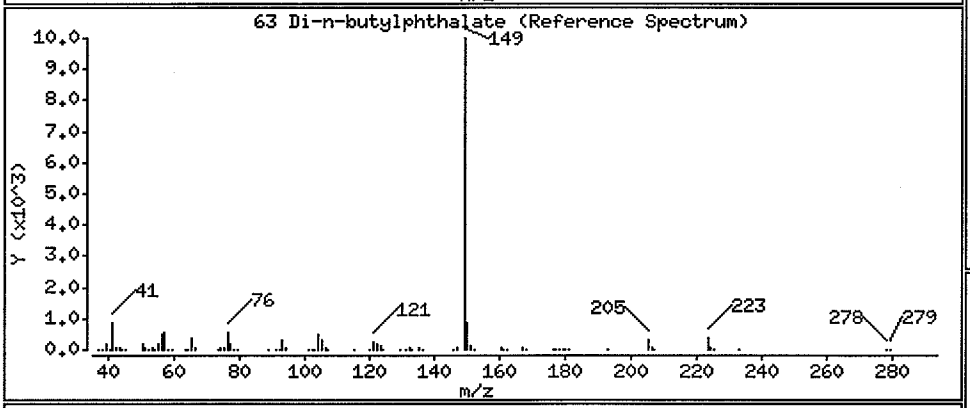
Column diameter: 0.32

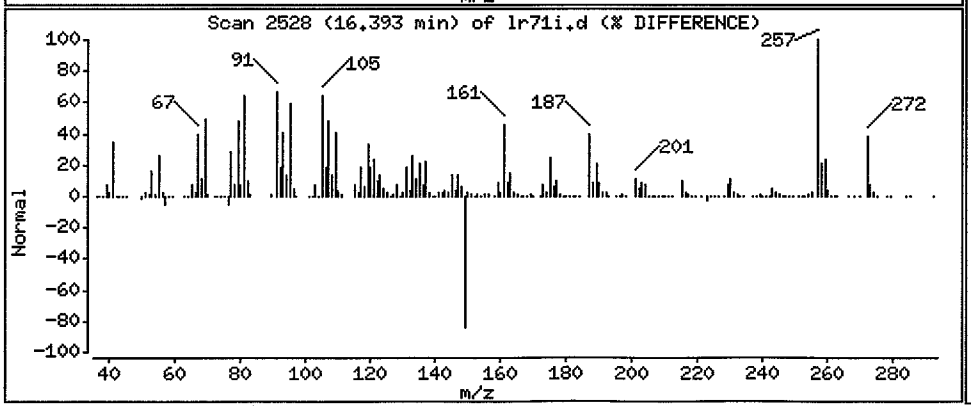
63 Di-n-butylphthalate

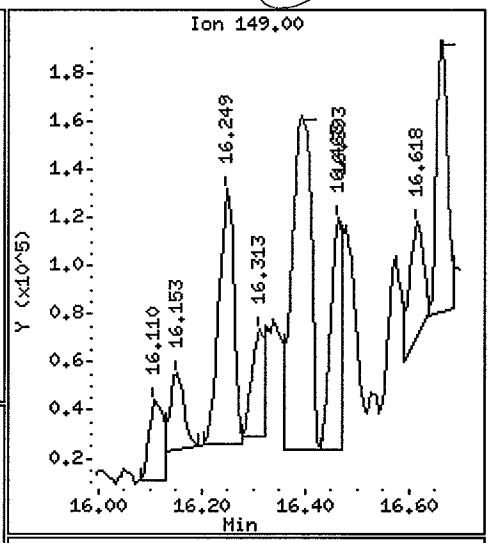
Concentration: 150.7 ug/kg

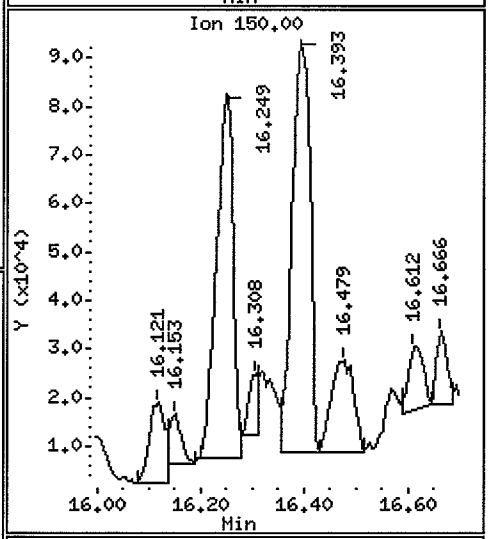


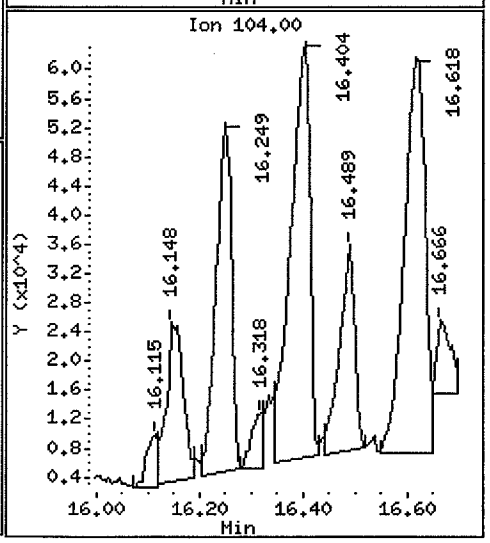












Data File: /chem1/nt6.i/20071018.b/lr71i.d

Date : 18-OCT-2007 19:44

Client ID: AN-SS-05

Instrument: nt6.i

Sample Info: LR71I

Volume Injected (uL): 1.0

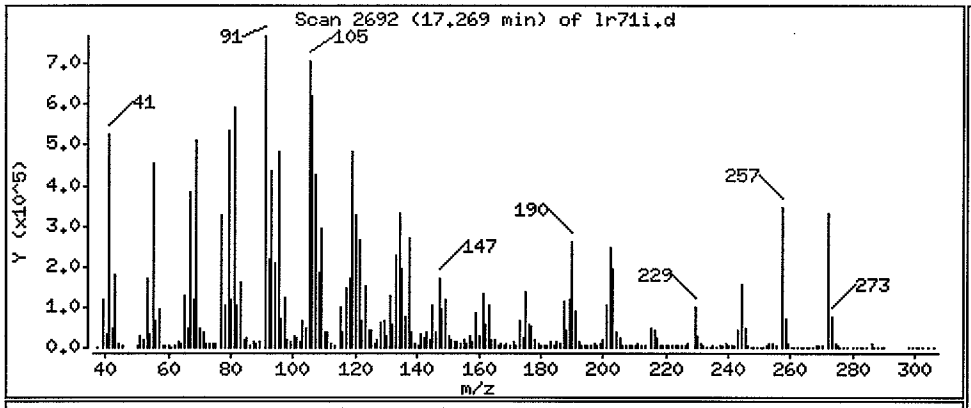
Operator: LJR/VTS

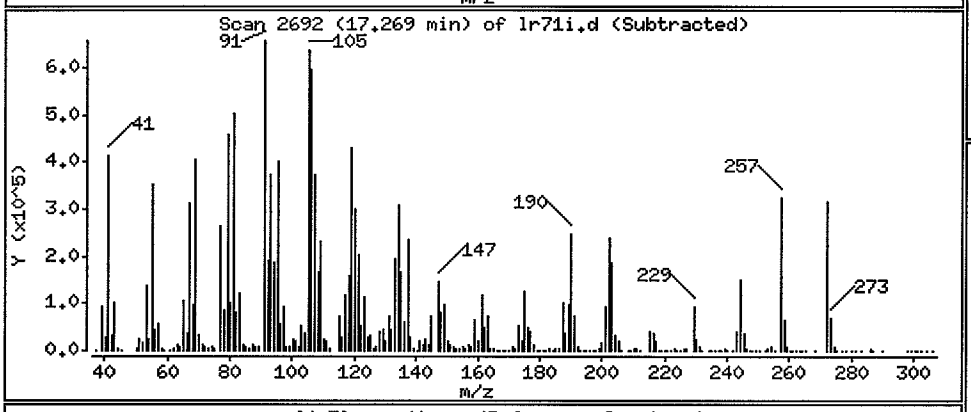
Column phase: ZB-5

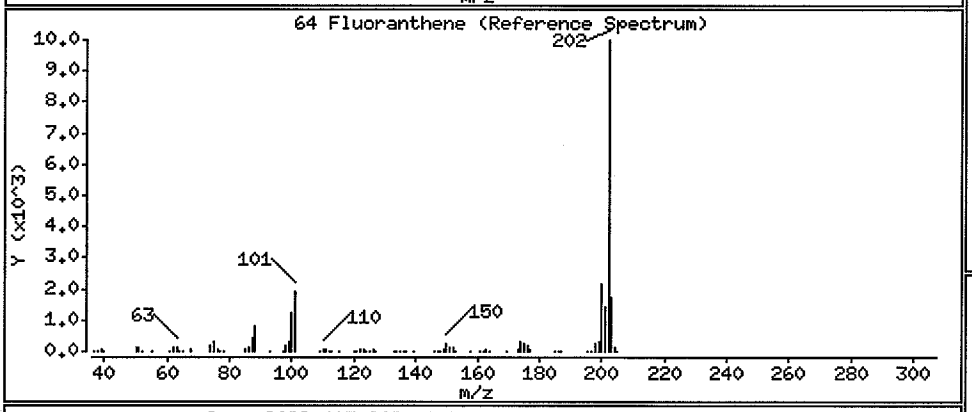
Column diameter: 0.32

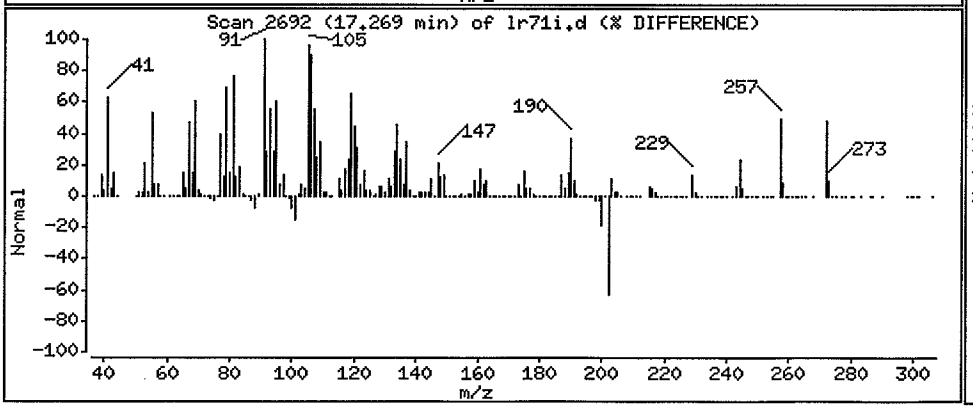
64 Fluoranthene

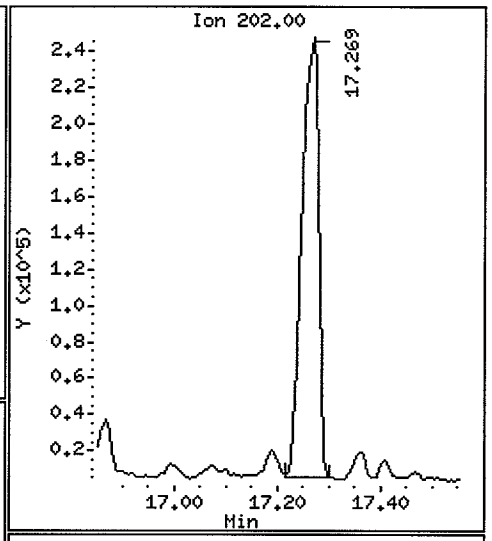
Concentration: 210.2 ug/kg

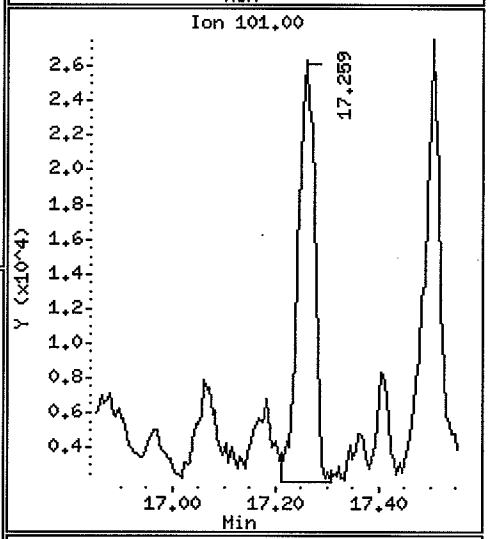


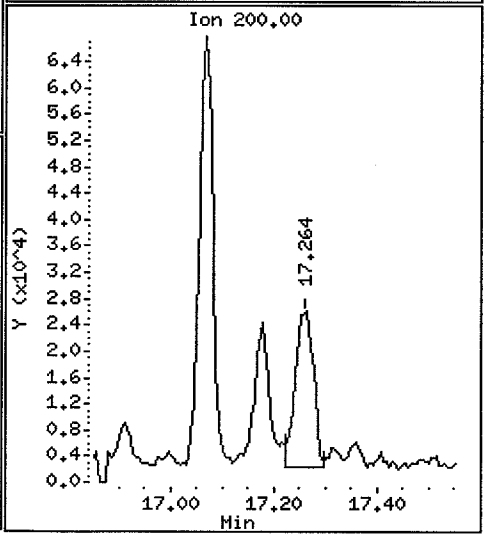












Data File: /chem1/nt6.i/20071018.b/lr71i.d

Date : 18-OCT-2007 19:44

Client ID: AN-SS-05

Instrument: nt6.i

Sample Info: LR71I

Volume Injected (uL): 1.0

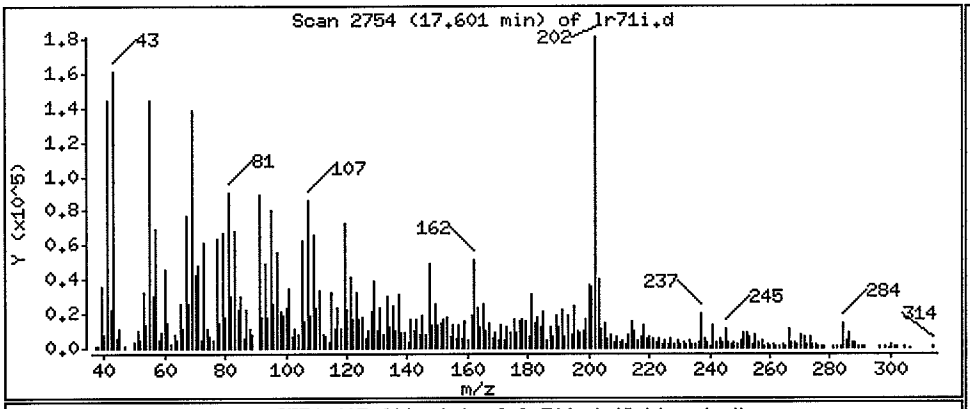
Operator: LJR/VTS

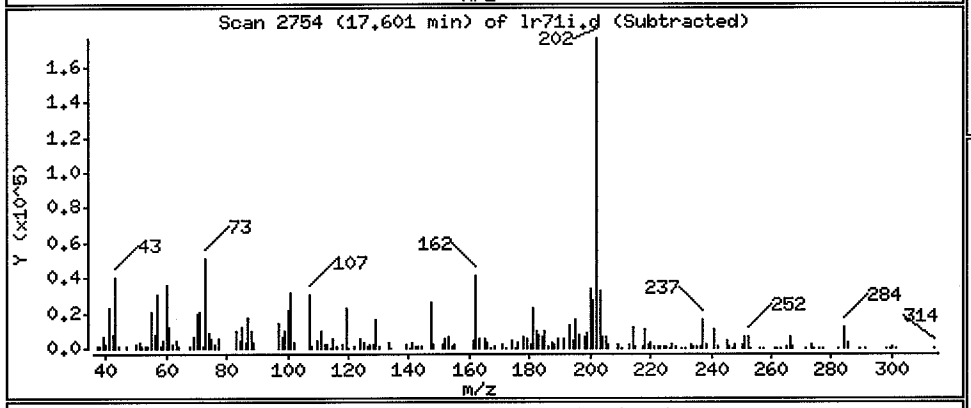
Column phase: ZB-5

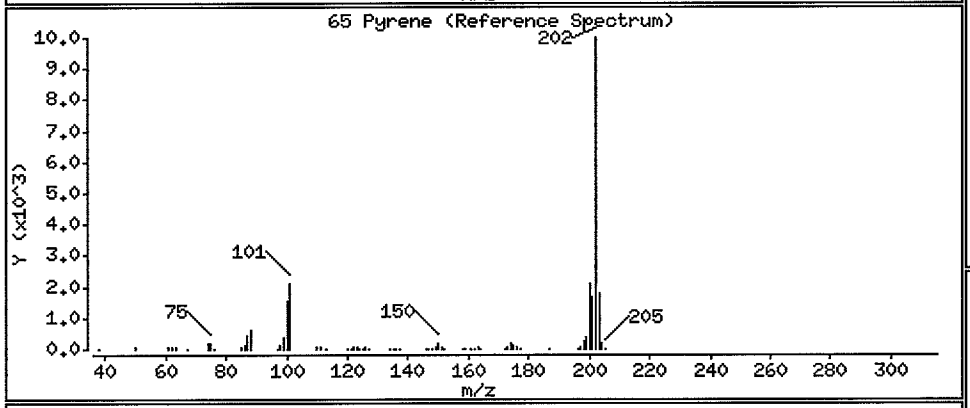
Column diameter: 0.32

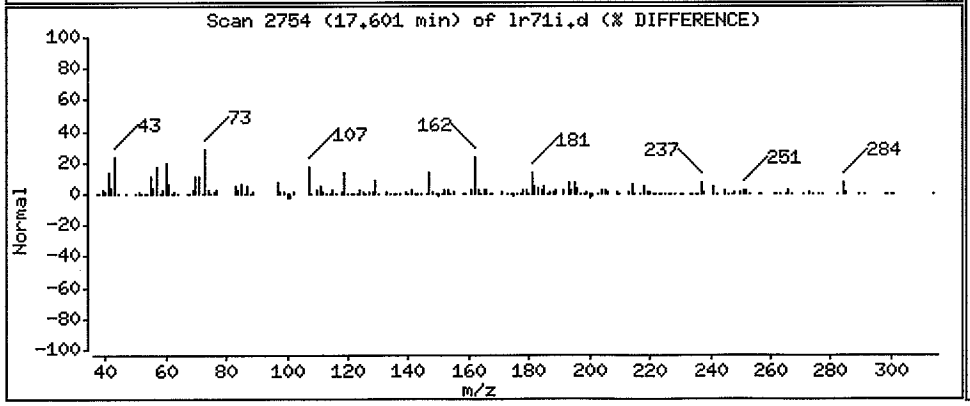
65 Pyrene

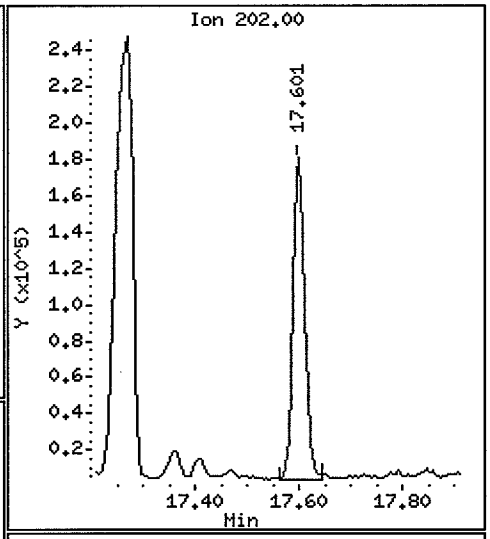
Concentration: 83.77 ug/kg

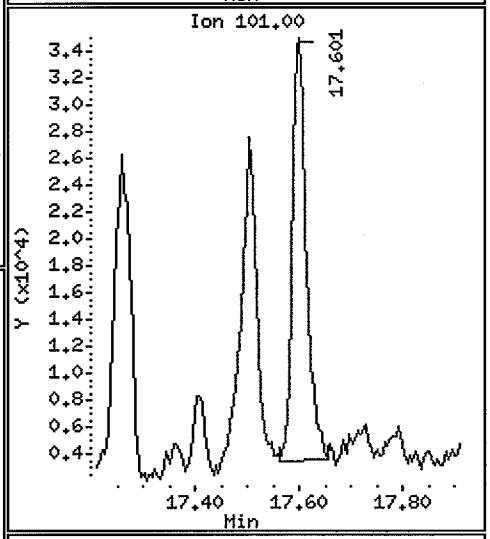


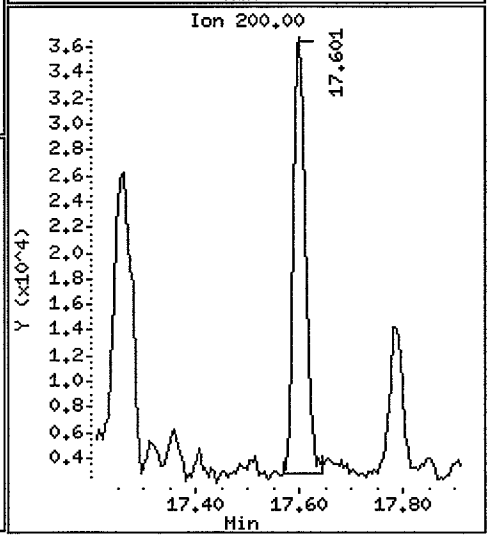












Data File: /chem1/nt6.i/20071018.b/lr71i.d

Date : 18-OCT-2007 19:44

Client ID: AN-SS-05

Instrument: nt6.i

Sample Info: LR71I

Volume Injected (uL): 1.0

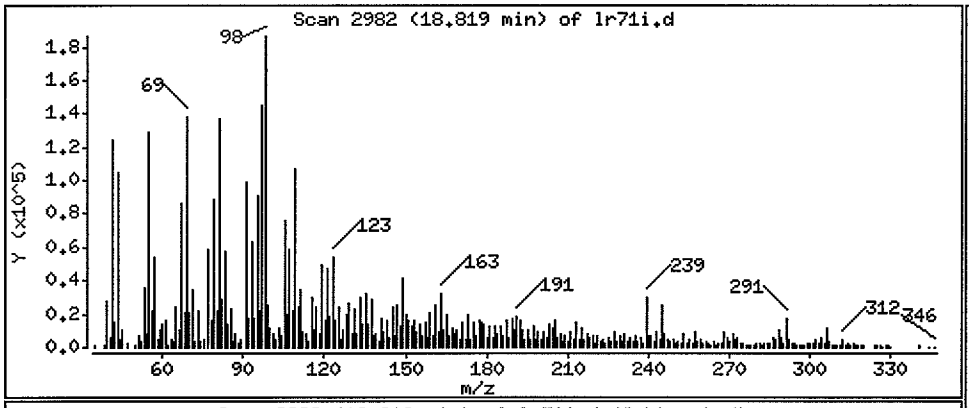
Operator: LJR/VTS

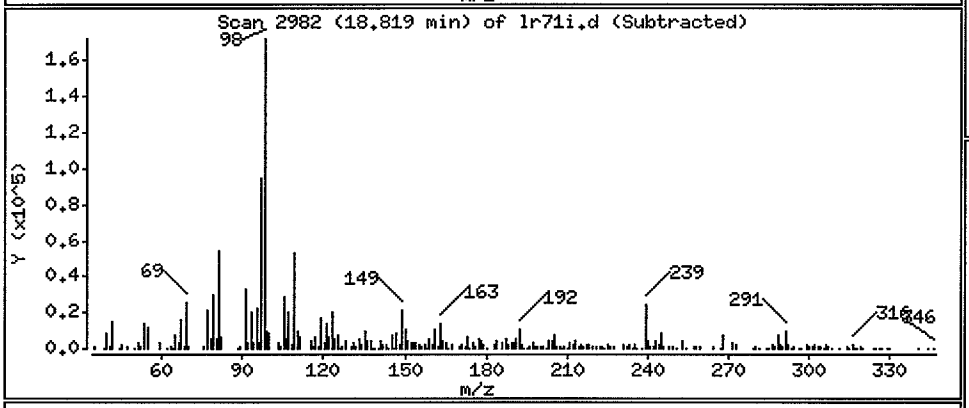
Column phase: ZB-5

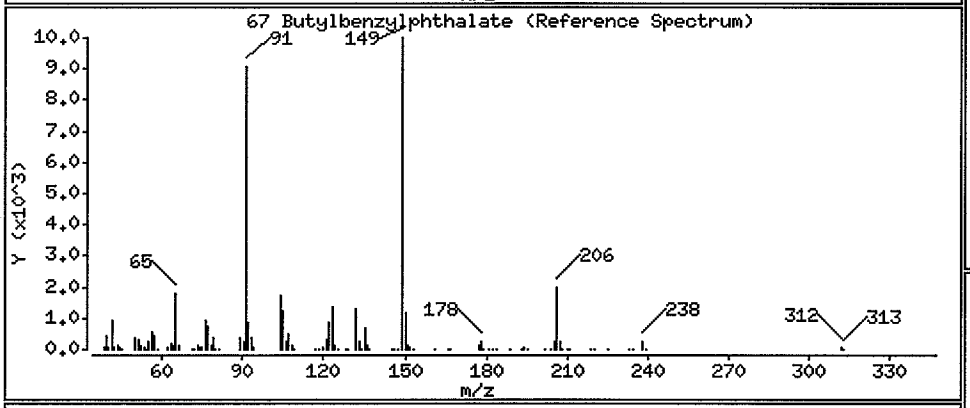
Column diameter: 0.32

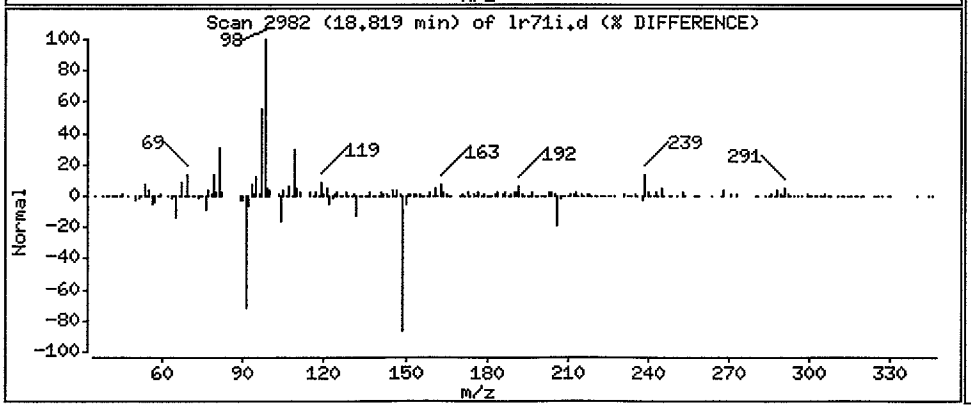
67 Butylbenzylphthalate

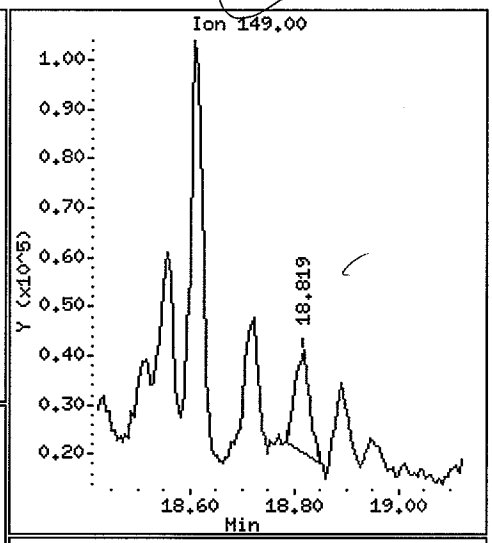
Concentration: 27.35 ug/kg

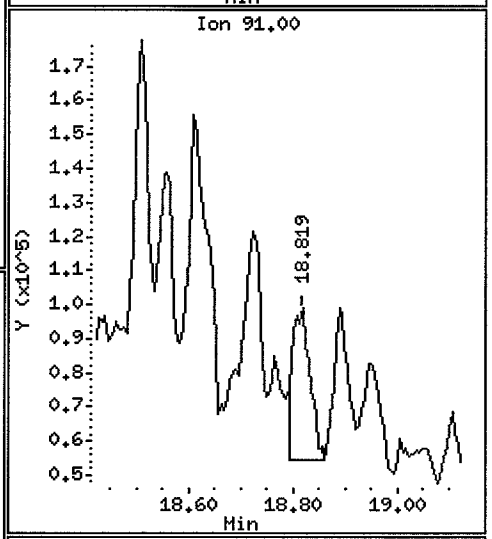


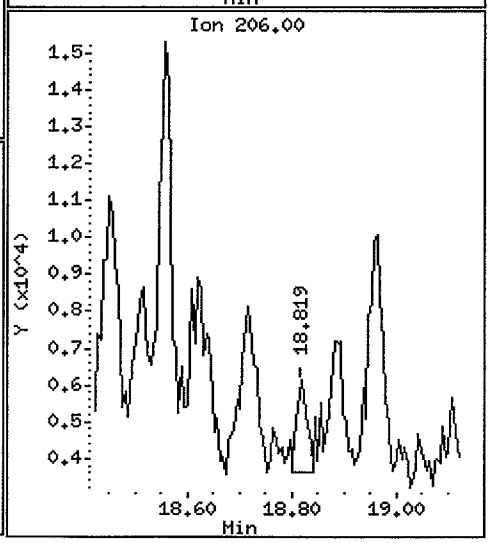












Data File: /chem1/nt6.i/20071018.b/lr71i.d

Date : 18-OCT-2007 19:44

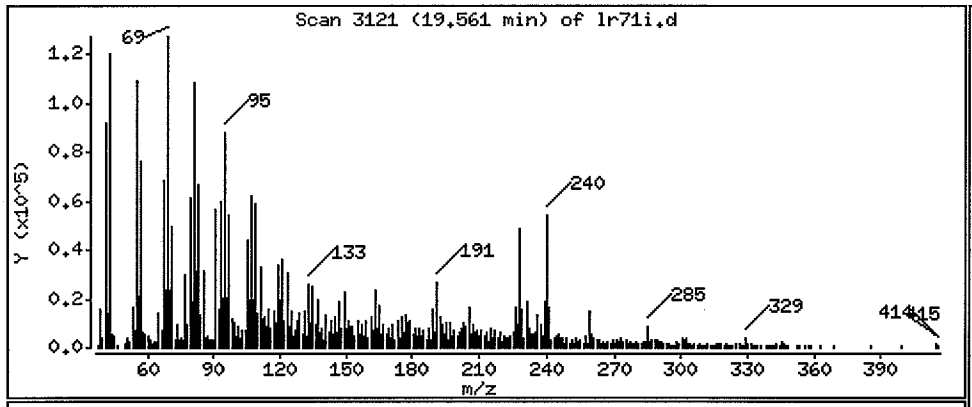
Client ID: AN-SS-05 Instrument: nt6.i

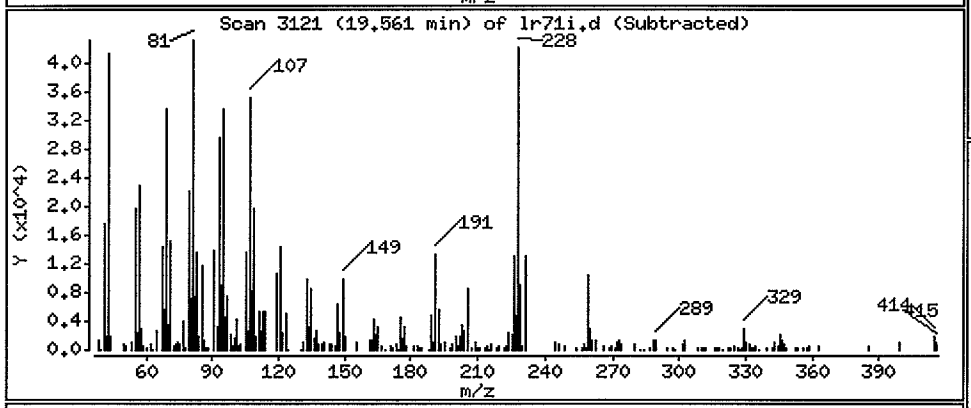
Sample Info: LR71I

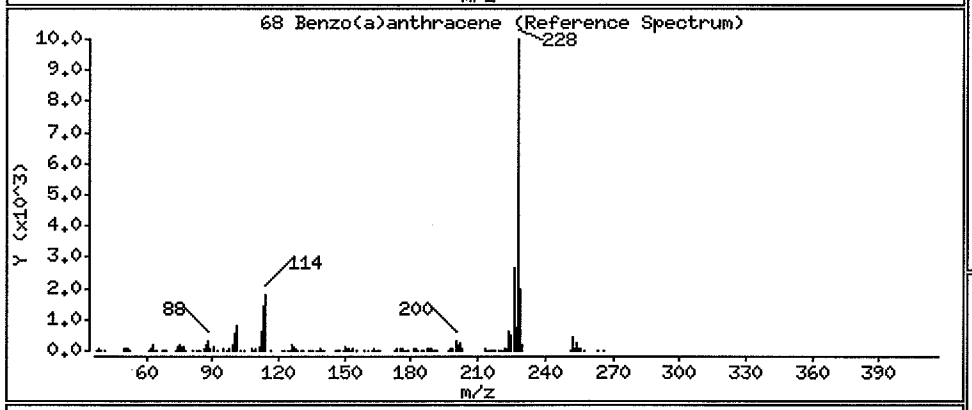
Volume Injected (uL): 1.0 Operator: LJR/VTS

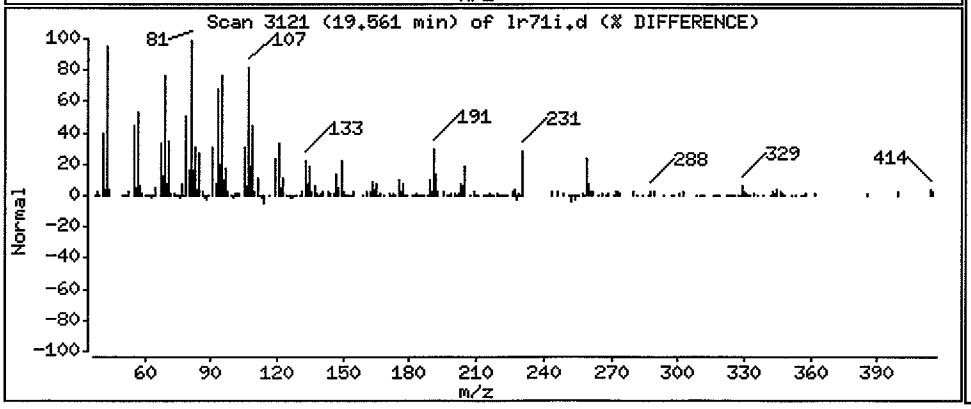
Column phase: ZB-5 Column diameter: 0.32

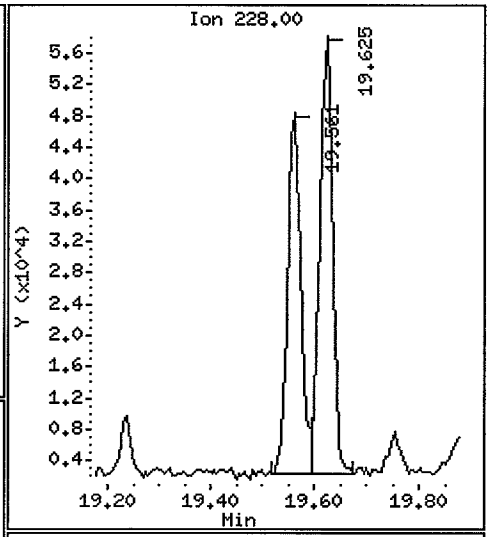
68 Benzo(a)anthracene Concentration: 23.46 ug/kg

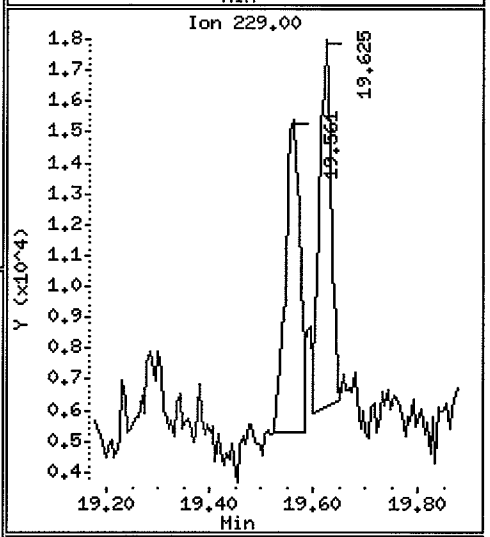


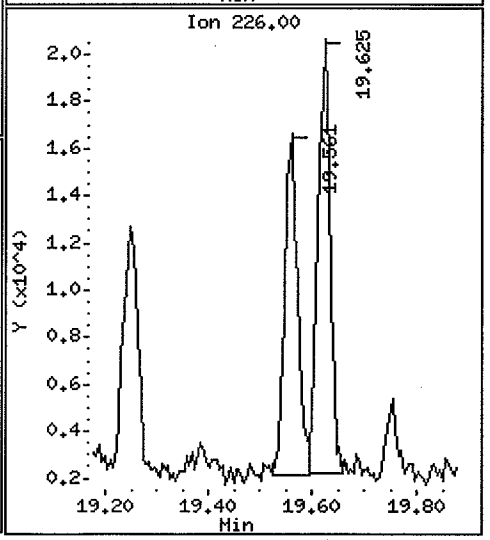












Data File: /chem1/nt6.i/20071018.b/lr71i.d

Date : 18-OCT-2007 19:44

Client ID: AN-SS-05

Instrument: nt6.i

Sample Info: LR71I

Volume Injected (uL): 1.0

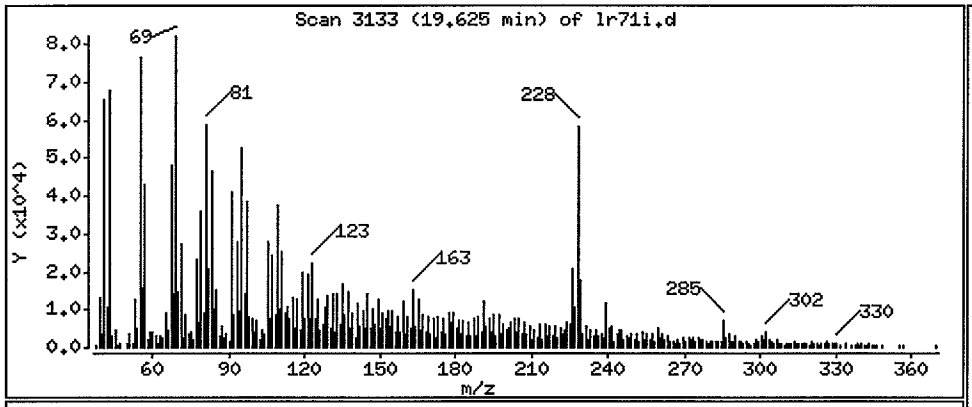
Operator: LJR/VTS

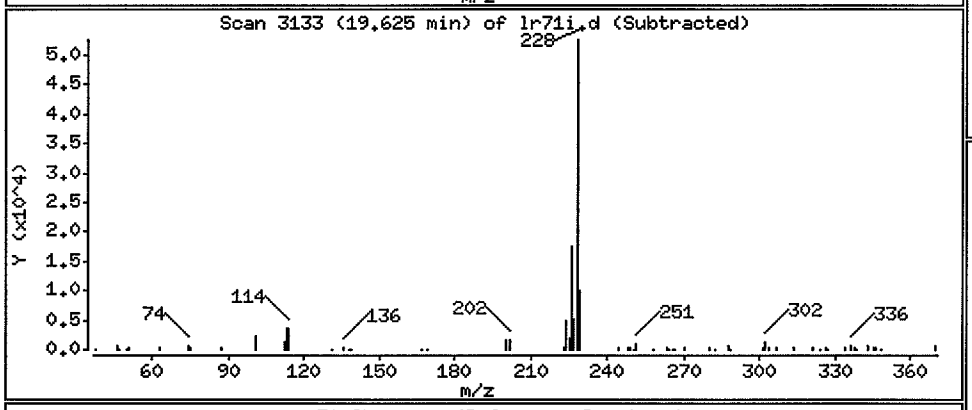
Column phase: ZB-5

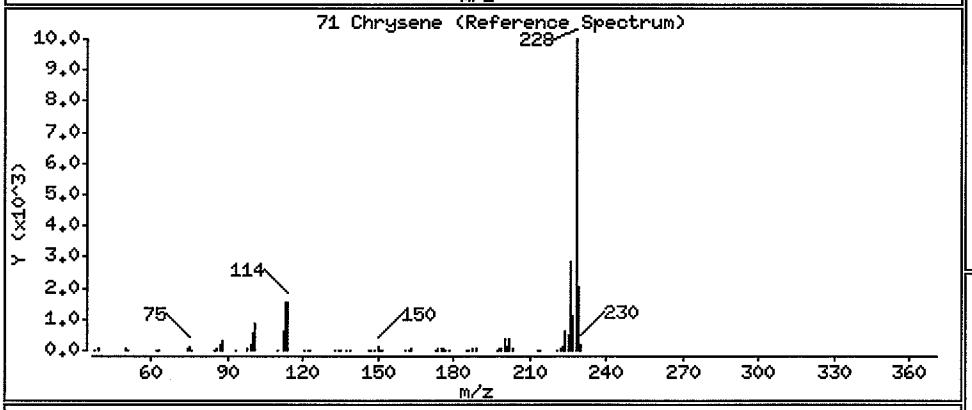
Column diameter: 0.32

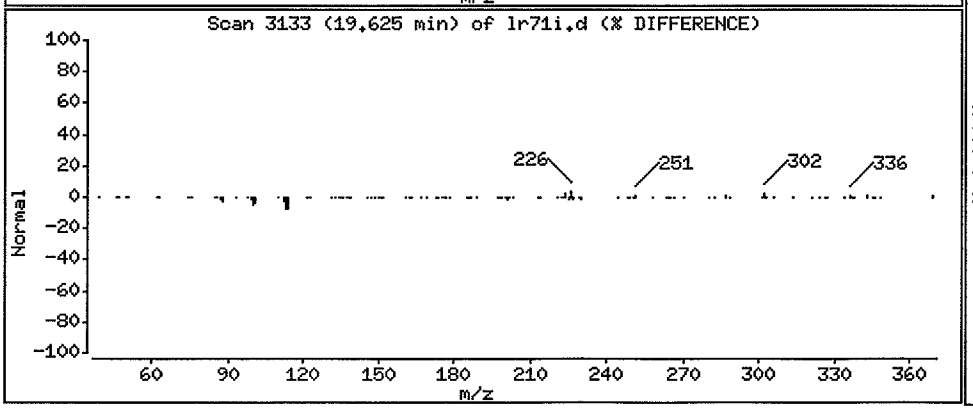
71 Chrysene

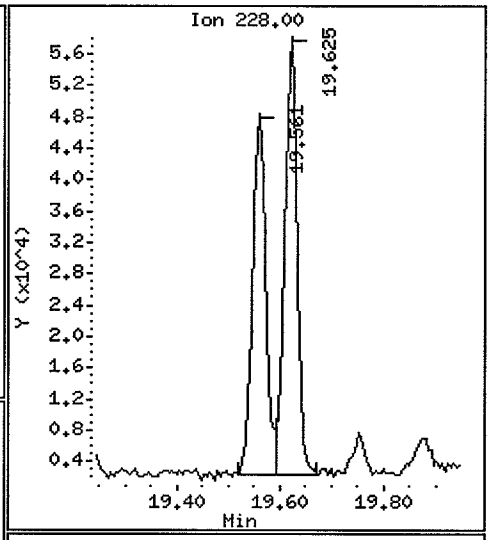
Concentration: 29.98 ug/kg

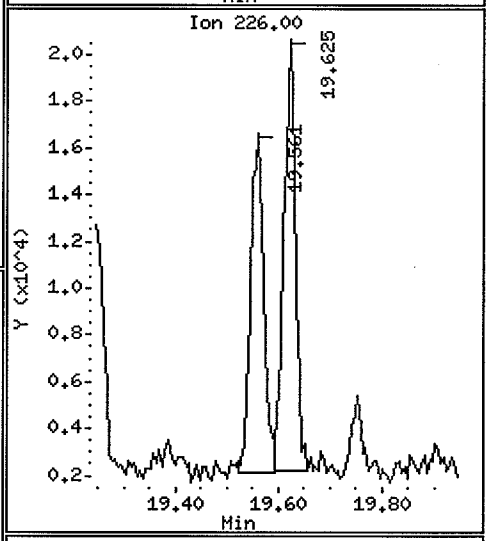


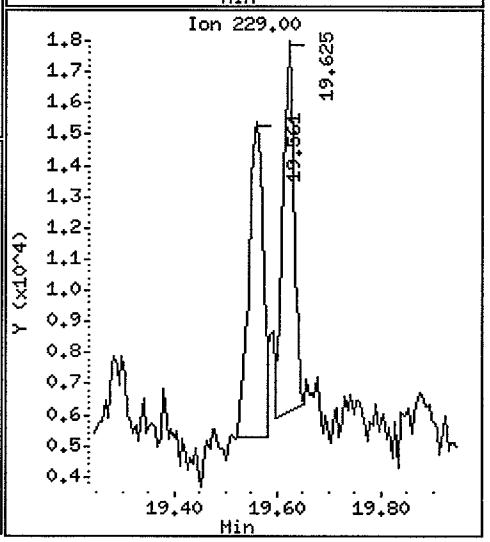












Data File: /chem1/nt6.i/20071018.b/lr71i.d

Date : 18-OCT-2007 19:44

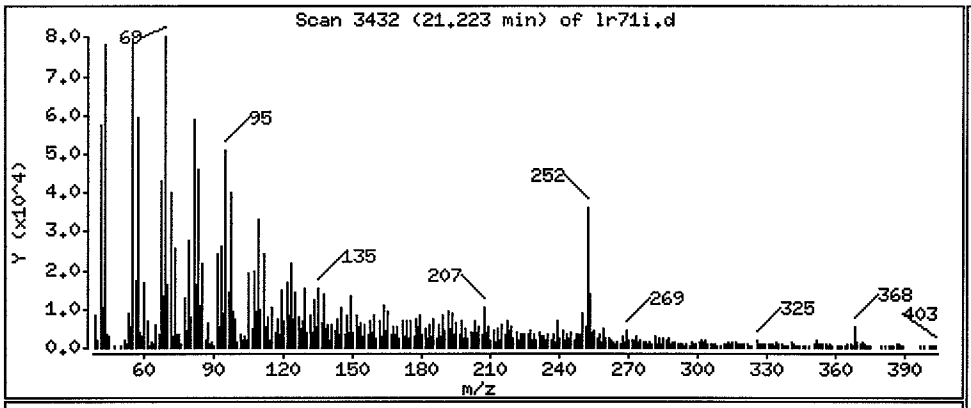
Client ID: AN-SS-05 Instrument: nt6.i

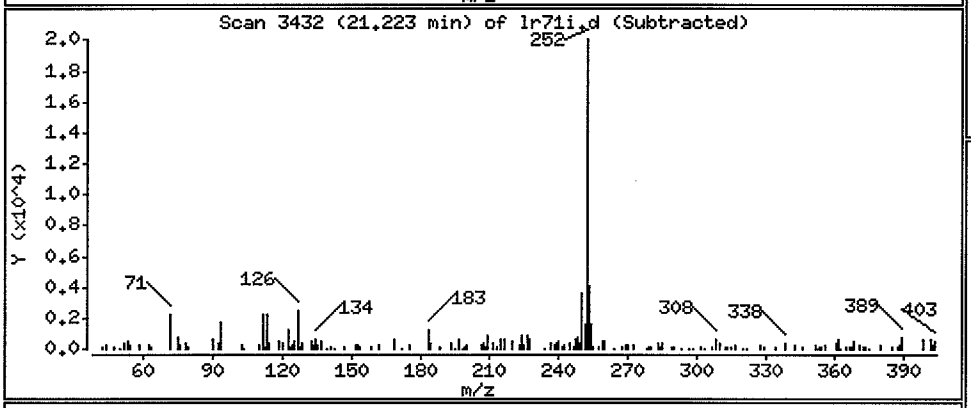
Sample Info: LR71I

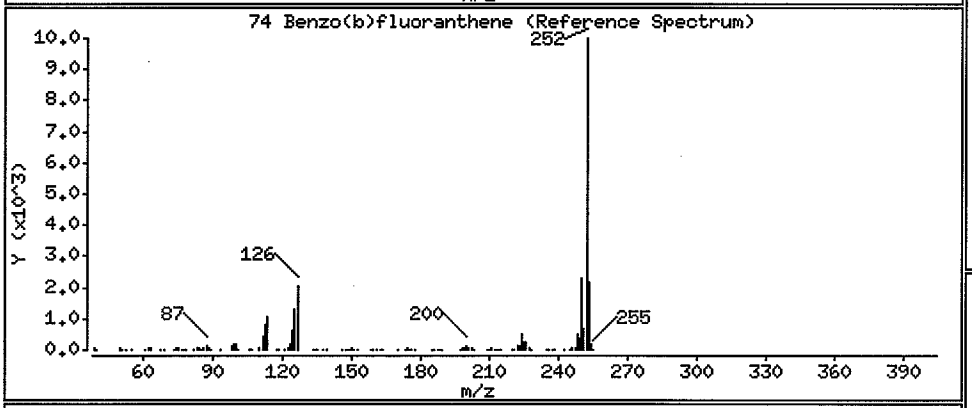
Volume Injected (uL): 1.0 Operator: LJR/VTS

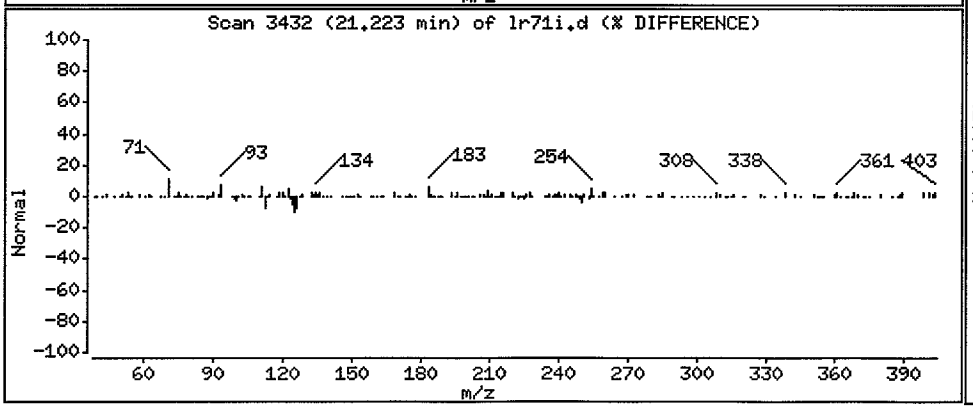
Column phase: ZB-5 Column diameter: 0.32

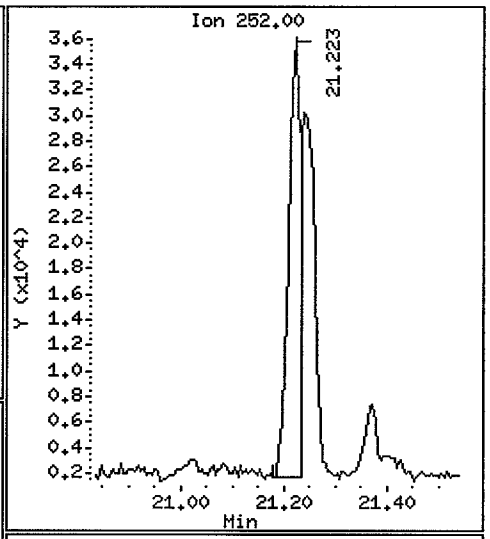
74 Benzo(b)fluoranthene Concentration: 27.75 ug/kg

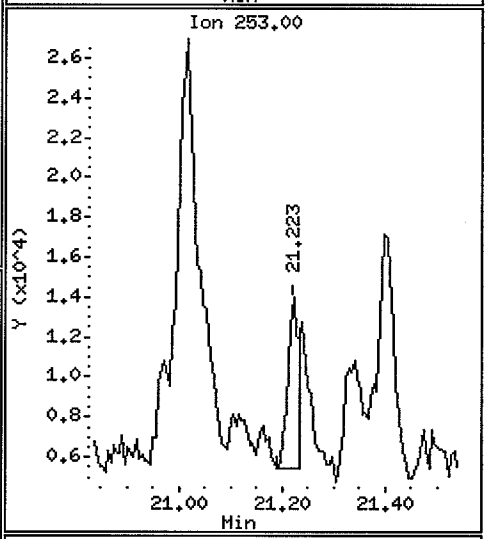


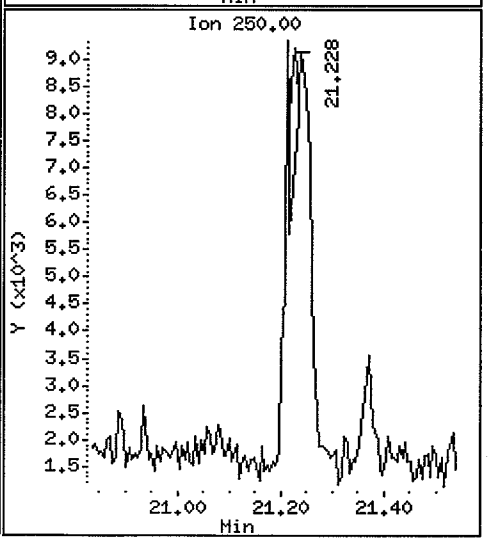












Data File: /chem1/nt6.i/20071018.b/lr71i.d

Date : 18-OCT-2007 19:44

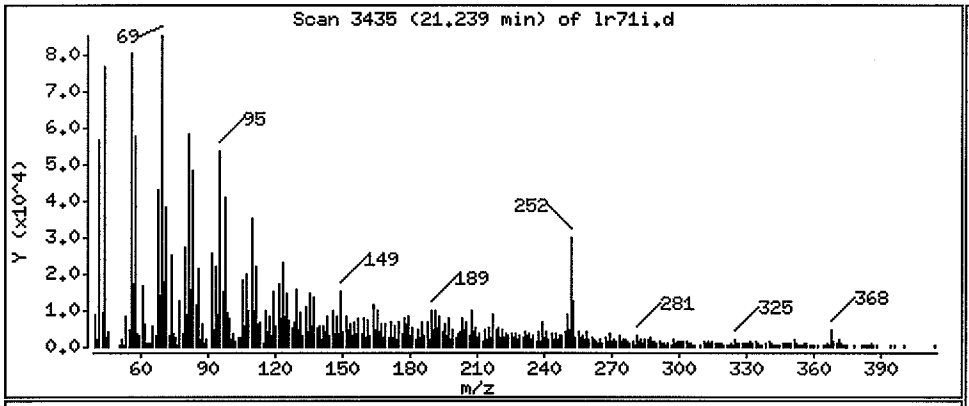
Client ID: AN-SS-05 Instrument: nt6.i

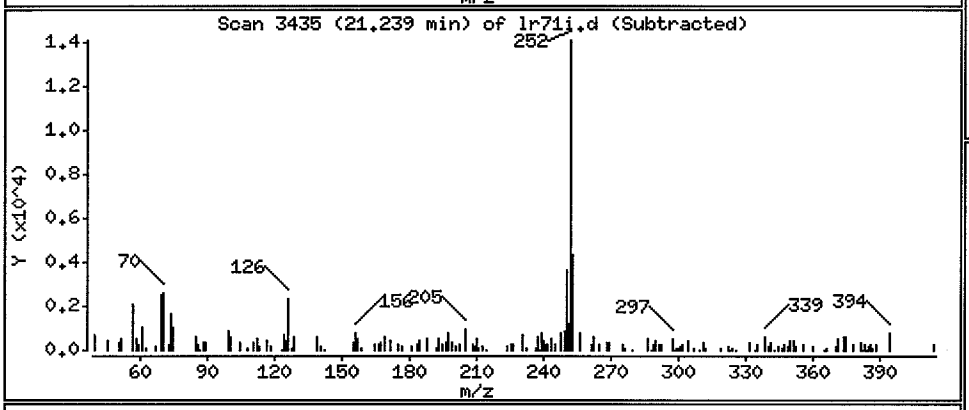
Sample Info: LR71I

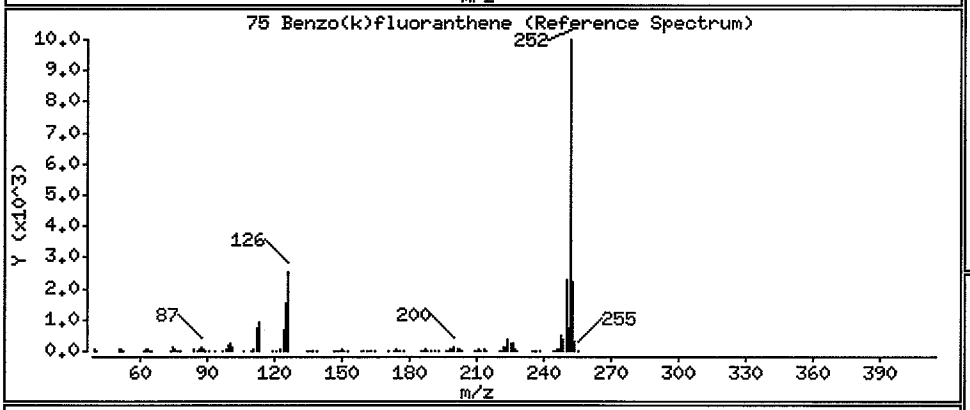
Volume Injected (uL): 1.0 Operator: LJR/VTS

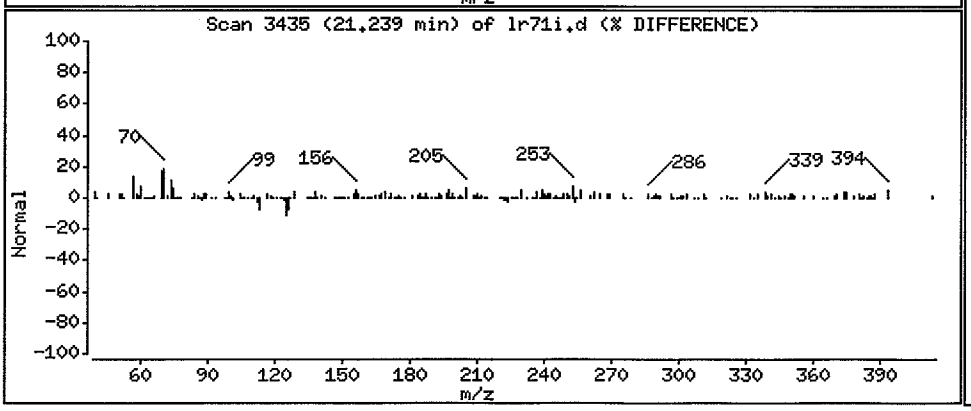
Column phase: ZB-5 Column diameter: 0.32

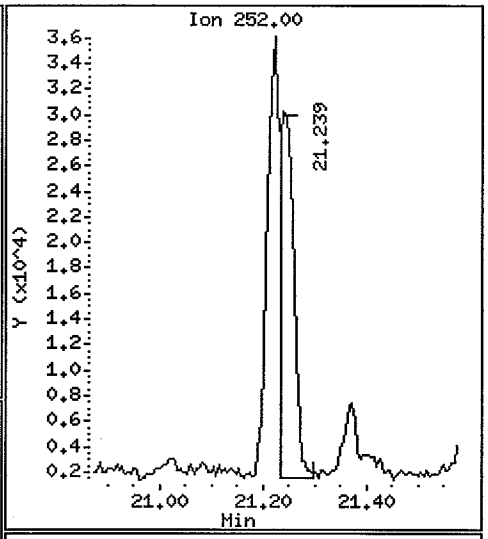
75 Benzo(k)fluoranthene Concentration: 24.57 ug/kg

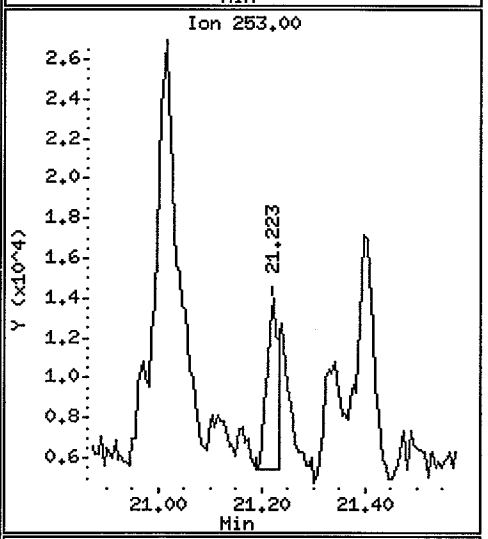


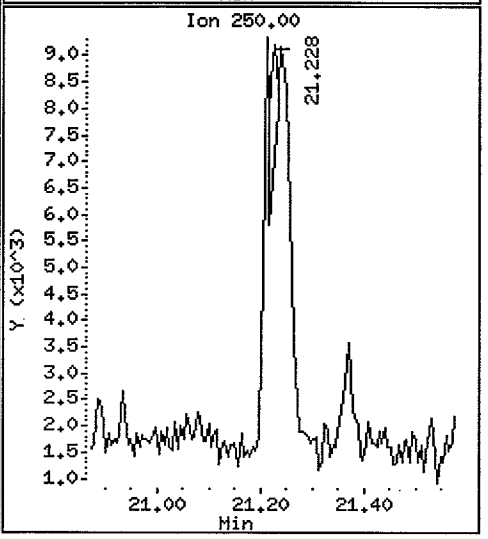












Data File: /chem1/nt6.i/20071018.b/lr71i.d

Date : 18-OCT-2007 19:44

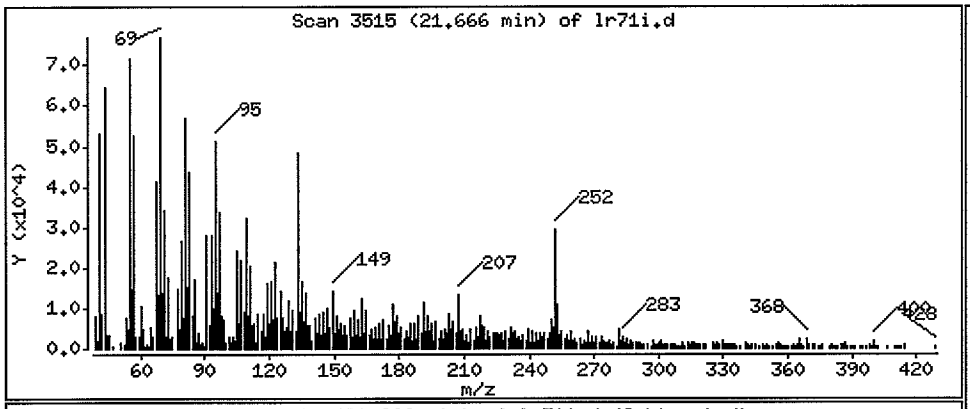
Client ID: AN-SS-05 Instrument: nt6.i

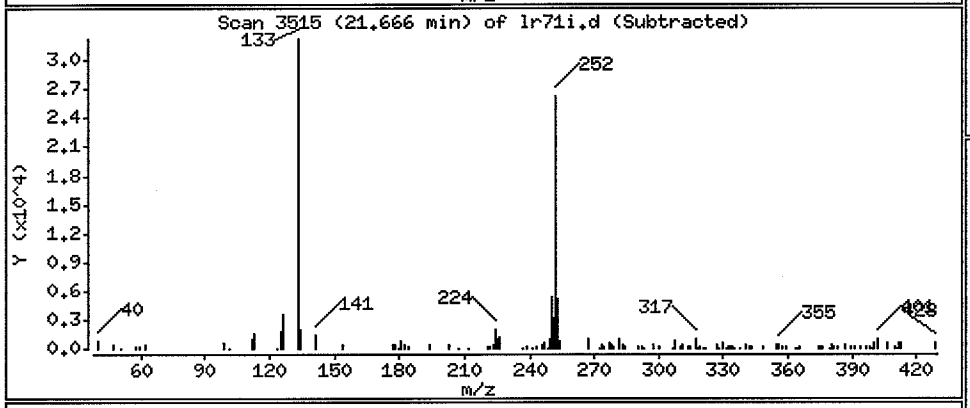
Sample Info: LR71I

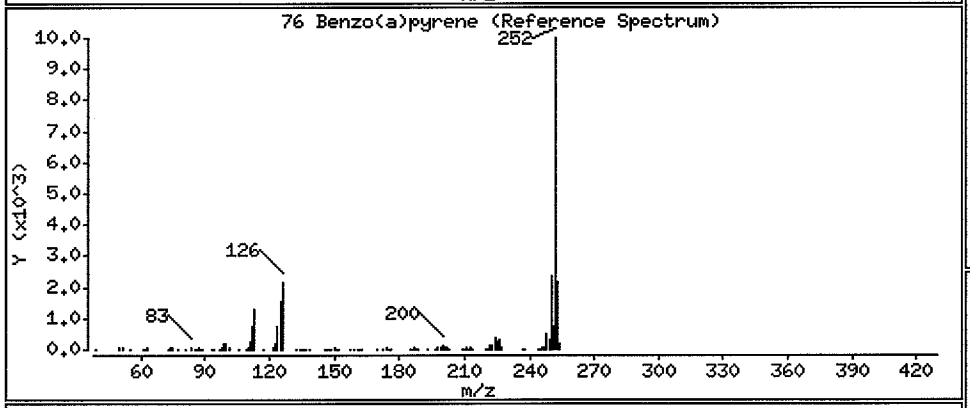
Volume Injected (uL): 1.0 Operator: LJR/VTS

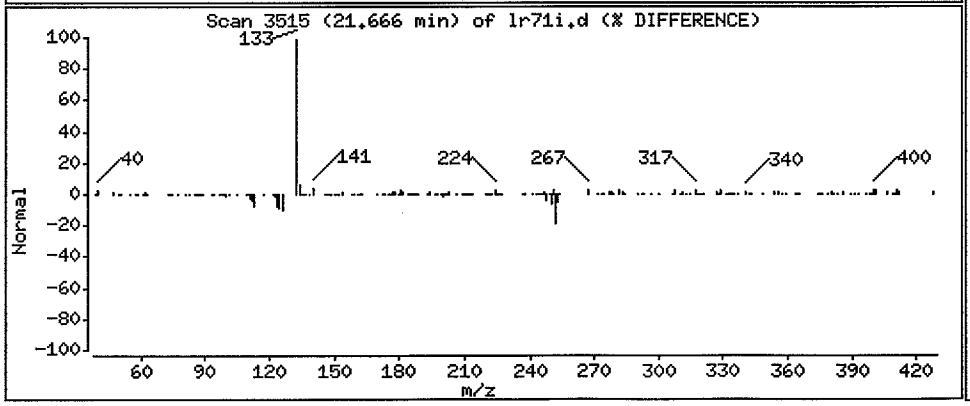
Column phase: ZB-5 Column diameter: 0.32

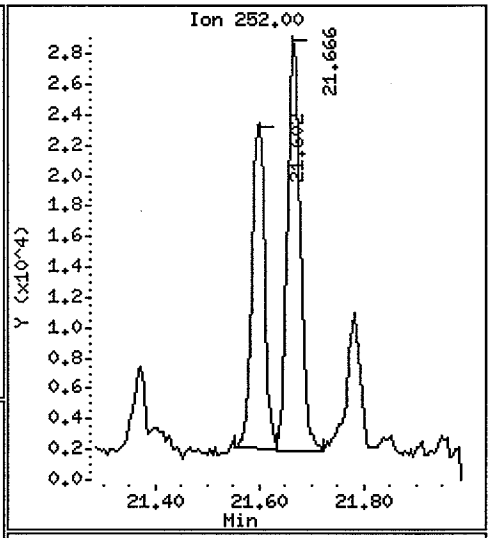
76 Benzo(a)pyrene Concentration: 24.81 ug/kg

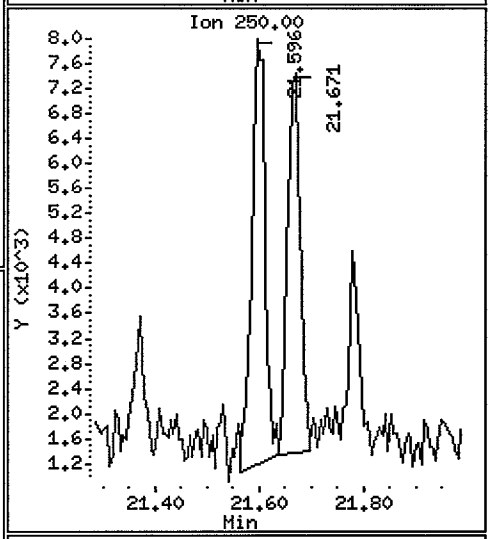


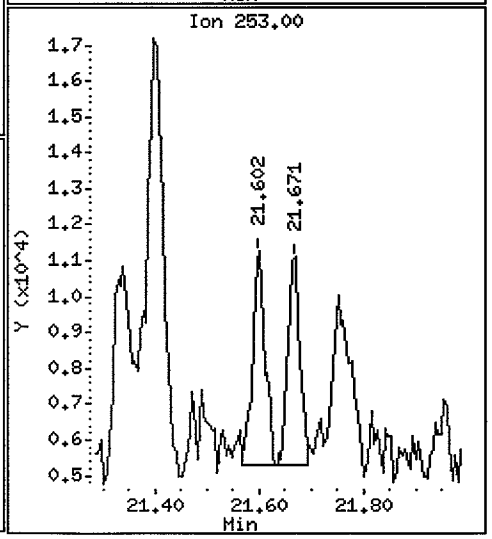












Data File: /chem1/nt6.i/20071018.b/lr71i.d

Date : 18-OCT-2007 19:44

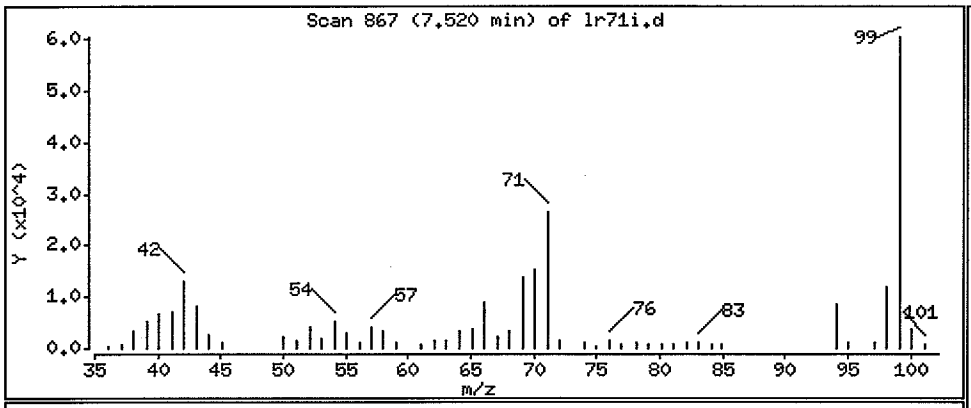
Client ID: AN-SS-05 Instrument: nt6.i

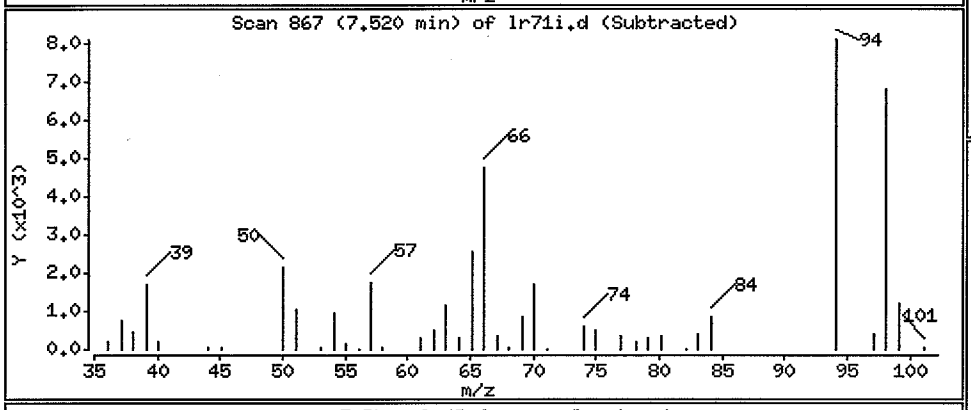
Sample Info: LR71I

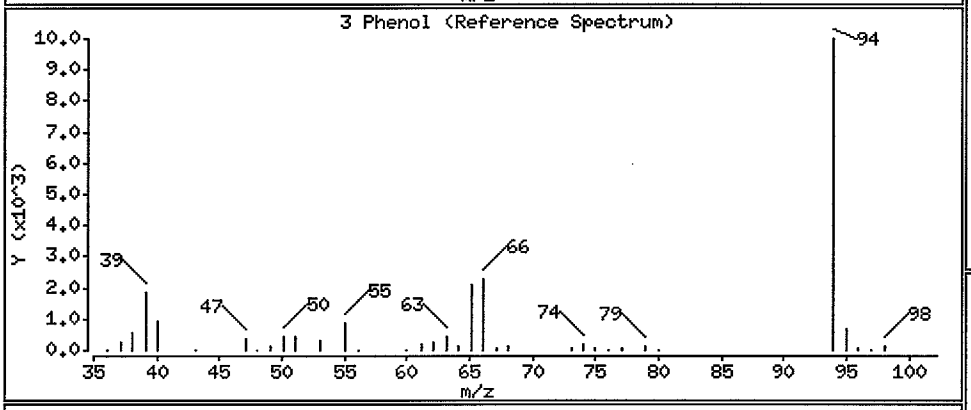
Volume Injected (uL): 1.0 Operator: LJR/VTS

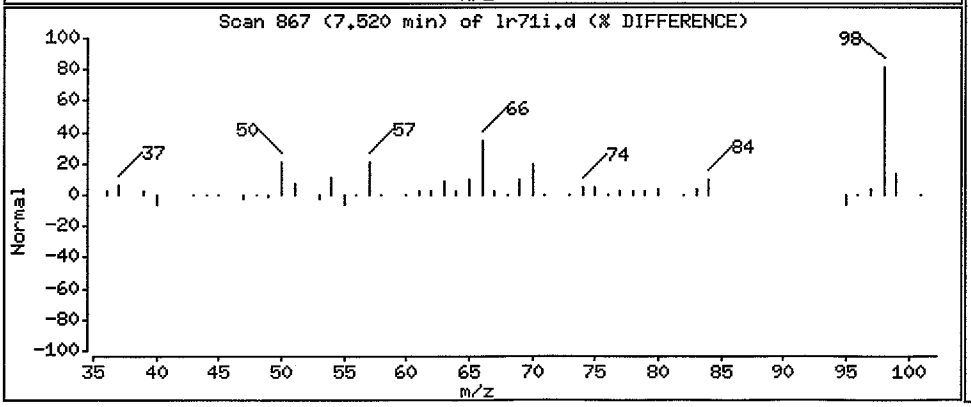
Column phase: ZB-5 Column diameter: 0.32

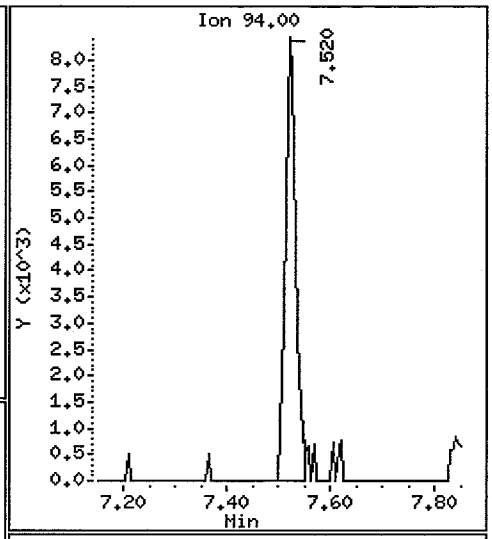
3 Phenol Concentration: 10.54 ug/kg

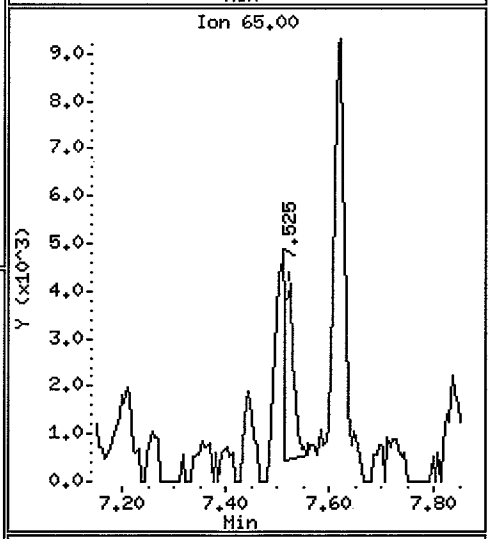


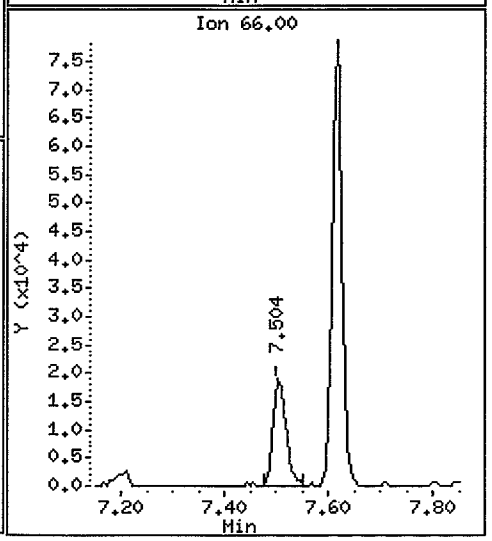












Data File: /chem1/nt6.i/20071018.b/lr71i.d

Date : 18-OCT-2007 19:44

Client ID: AN-SS-05

Instrument: nt6.i

Sample Info: LR71I

Volume Injected (uL): 1.0

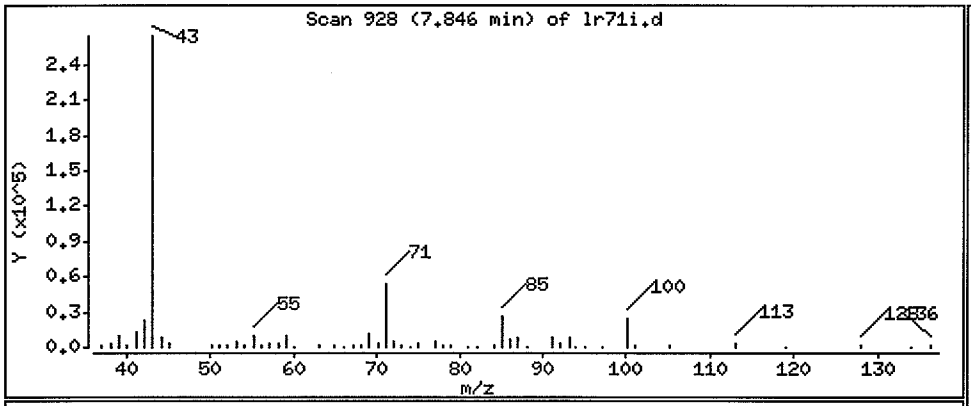
Operator: LJR/VTS

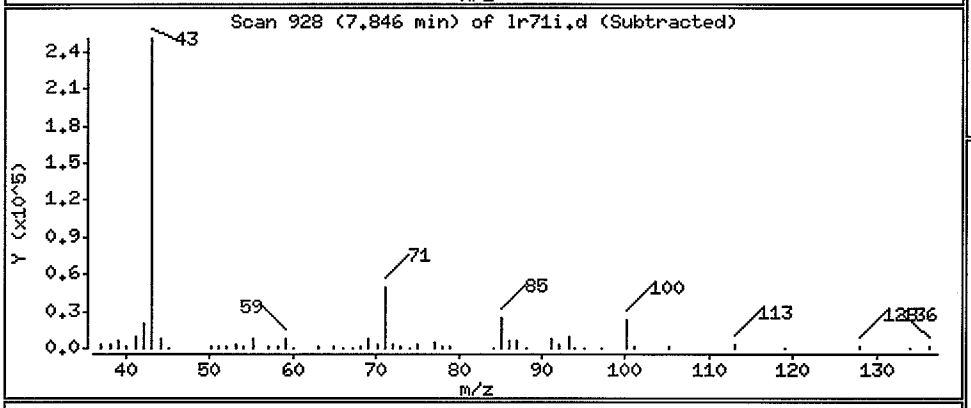
Column phase: ZB-5

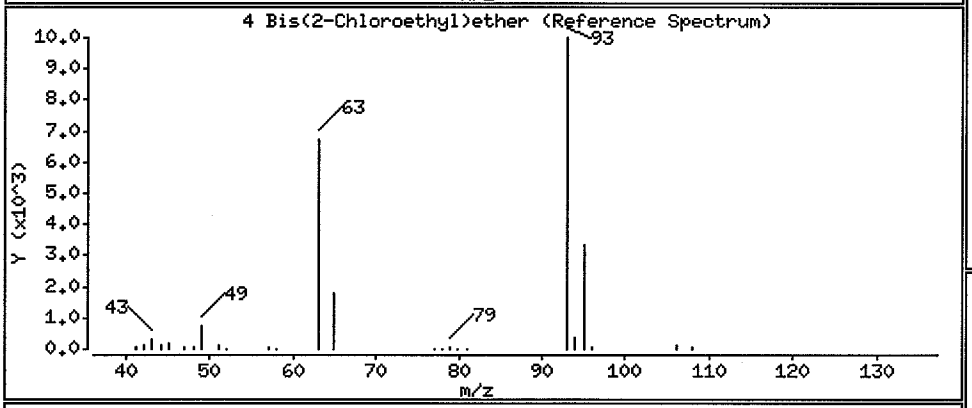
Column diameter: 0.32

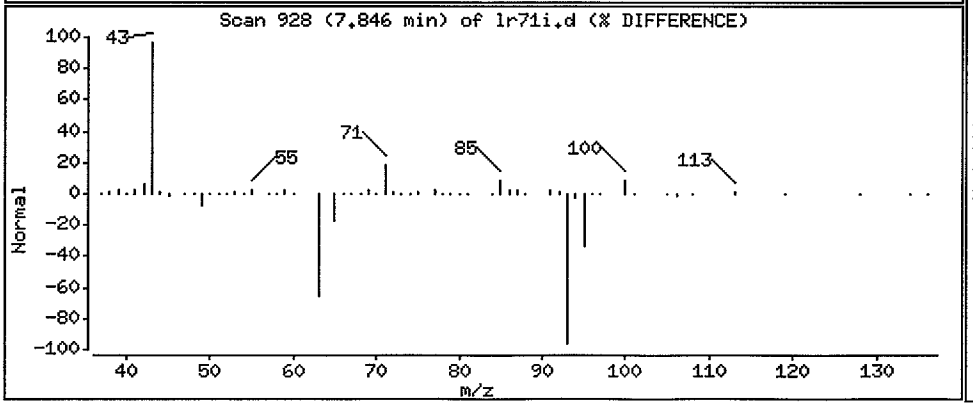
4 Bis(2-Chloroethyl)ether

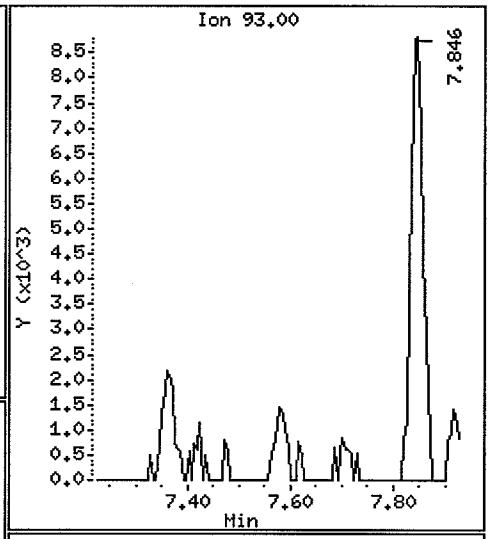
Concentration: 18.62 ug/kg

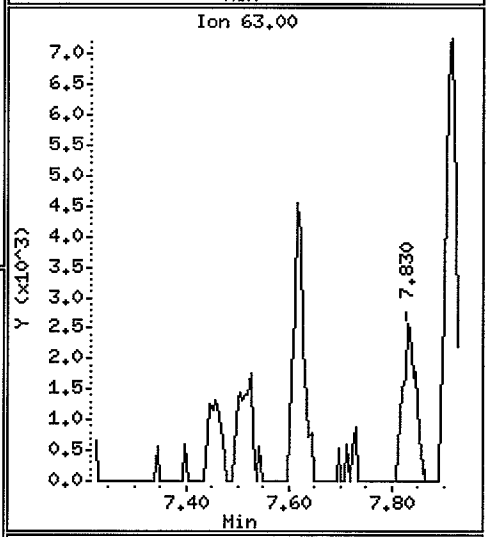


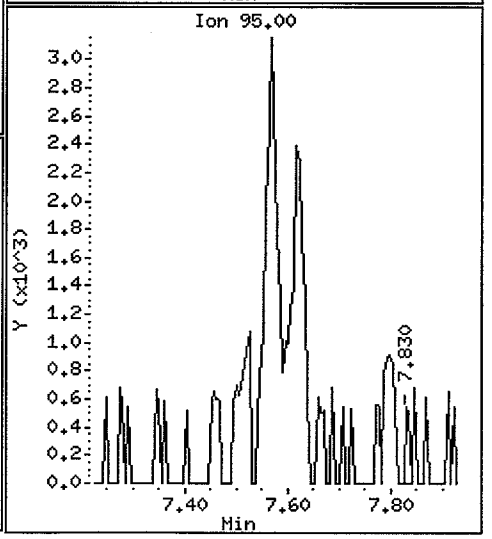












Data File: /chem1/nt6.i/20071018.b/lr71i.d

Date : 18-OCT-2007 19:44

Client ID: AN-SS-05

Instrument: nt6.i

Sample Info: LR71I

Volume Injected (uL): 1.0

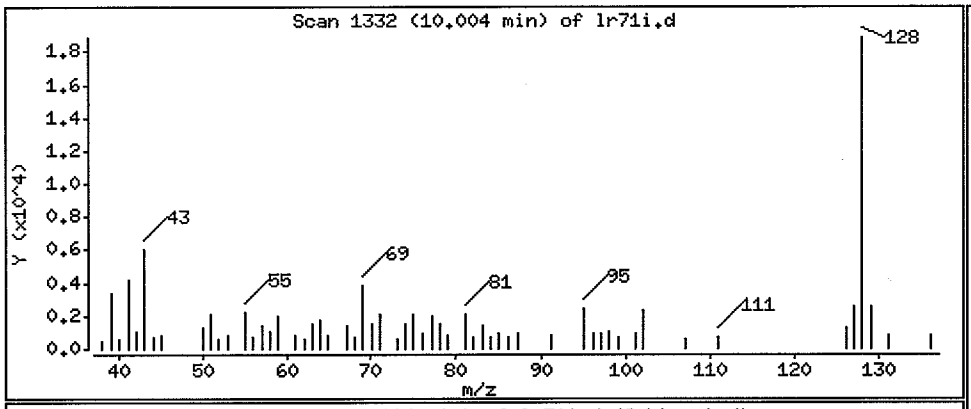
Operator: LJR/VTS

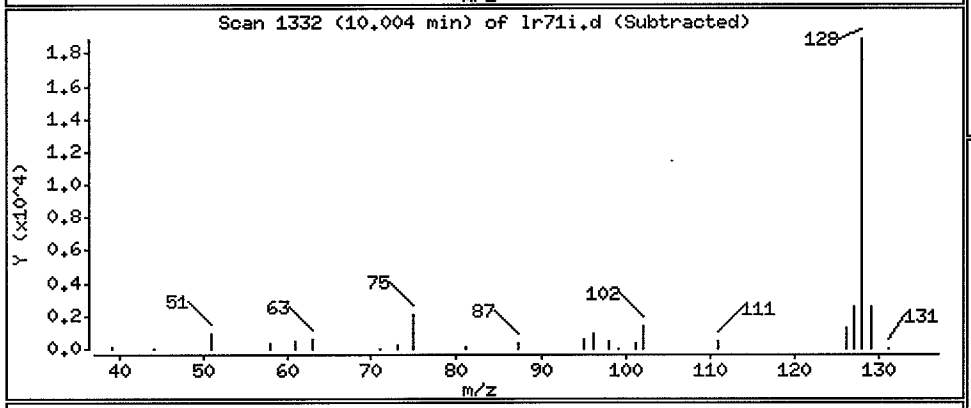
Column phase: ZB-5

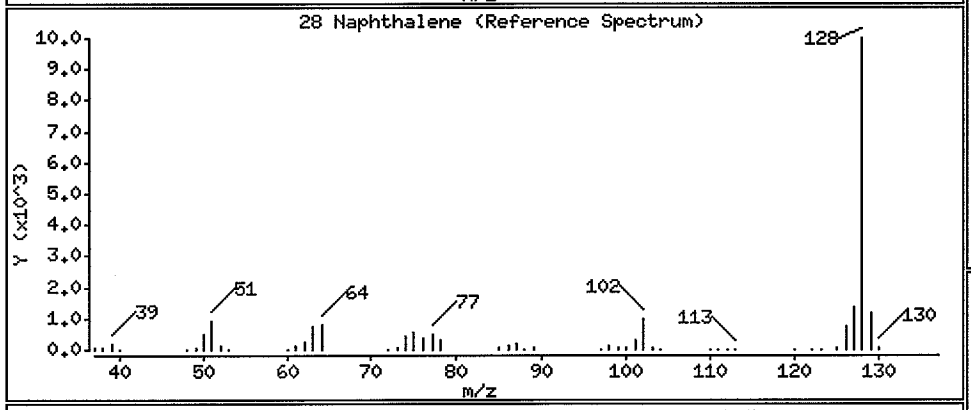
Column diameter: 0.32

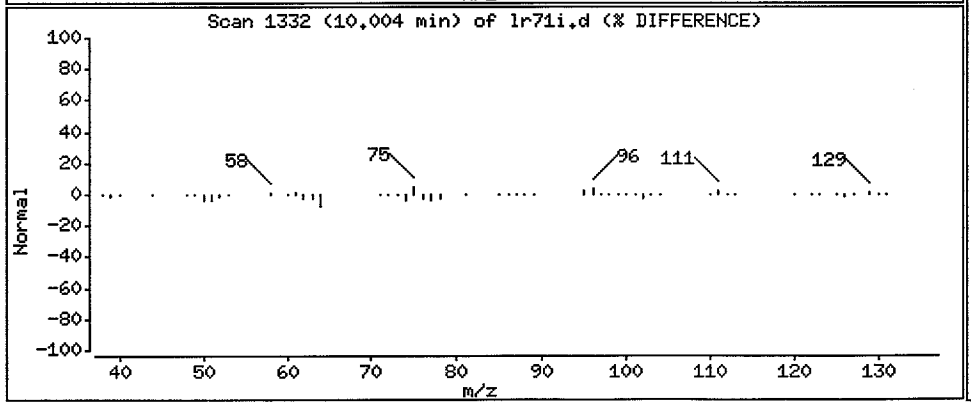
28 Naphthalene

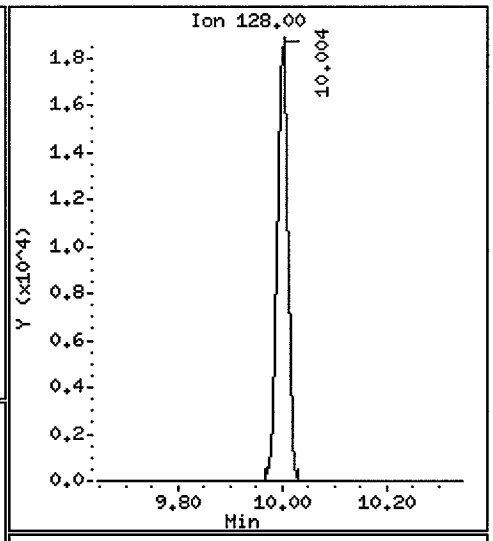
Concentration: 12.97 ug/kg

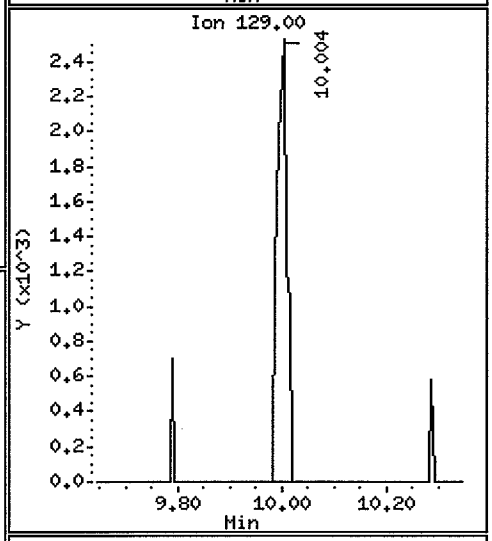


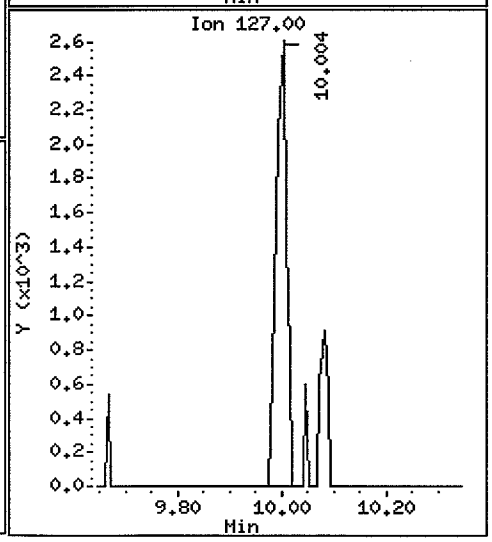












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS
Page 1 of 2

Sample ID: AN-SS-05
REEXTRACT

Lab Sample ID: LR71I
LIMS ID: 07-20774
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 21:21
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 48.3%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**69**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**60**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	**Benzoic Acid**	**200**	**280**
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	**Phenanthrene**	**20**	**41**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	200	< 200 Y
206-44-0	**Fluoranthene**	**20**	**260 M**
129-00-0	**Pyrene**	**20**	**85**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**28**
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**35**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**30**
207-08-9	**Benzo(k)fluoranthene**	**20**	**28**
50-32-8	**Benzo(a)pyrene**	**20**	**30**
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-05**
Page 2 of 2 **REEXTRACT**

Lab Sample ID: LR71I QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20774 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 21:21

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	57.2%	2-Fluorobiphenyl	56.8%
d14-p-Terphenyl	63.2%	d4-1,2-Dichlorobenzene	51.2%
d5-Phenol	56.5%	2-Fluorophenol	45.1%
2,4,6-Tribromophenol	71.5%	d4-2-Chlorophenol	55.5%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071101.b/lr71i2.d
Lab Smp Id: LR71IRE
Inj Date : 01-NOV-2007 21:21
Operator : VTS Inst ID: nt4.i
Smp Info : LR71IRE
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt4.i/20071101.b/SW846.m
Meth Date : 02-Nov-2007 11:41 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 11:04 Cal File: 0801001.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJK 11/2/07

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	25.00000	Weight of sample extracted (g)
M	0.00000	% 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	4.834	4.748	(0.708)	216828	16.9142	338.3
$ 2	Phenol-d5	99	6.517	6.489	(0.955)	304348	21.2109	424.2
3	Phenol	94	6.533	6.505	(0.957)	58774	3.44901	68.98
$ 5	2-Chlorophenol-d4	132	6.544	6.521	(0.959)	221651	20.8250	416.5
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	6.827	6.820	(1.000)	151499	20.0000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	7.126	7.114	(1.044)	87853	12.8282	256.6
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	7.703	7.686	(1.128)	34522	3.01280	60.26
$	18 Nitrobenzene-d5	82	7.778	7.771	(0.877)	207415	14.2595	285.2
	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	8.755	8.813	(0.987)	132279	14.2441	284.9(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.873	8.872	(1.000)	551420	20.0000	
	28 Naphthalene	128	8.900	8.899	(1.003)	33635	0.99356 LDL	19.87
	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	10.679	10.677	(0.914)	315960	14.1812	283.6
	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	11.688	11.682	(1.000)	322672	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	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	12.538	12.537	(1.073)	15626	0.67117 LDL	13.42(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	12.965	12.953	(1.109)	74578	26.8489	537.0
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.012	14.000	(1.000)	528121	20.0000	
	60 Phenanthrene	178	14.044	14.032	(1.002)	75951	2.08088	41.62(M)
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
63 Di-n-butylphthalate	149	15.273	15.197	(1.090)	372052	9.80129	196.0(M)
64 Fluoranthene	202	16.031	15.923	(1.144)	512478	12.9687	259.4(M)
65 Pyrene	202	16.320	16.260	(0.894)	199202	4.25874	85.17
$ 66 Terphenyl-d14	244	16.678	16.634	(0.913)	427414	15.8285	316.6
67 Butylbenzylphthalate	149	17.607	17.558	(0.964)	17585	0.89673 LBL	17.93(M)
68 Benzo(a)anthracene	228	18.238	18.199	(0.999)	61170	1.41016	28.20
* 69 Chrysene-d12	240	18.259	18.221	(1.000)	583655	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	18.291	18.258	(1.002)	74951	1.75655	35.13(H)
72 bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
* 134 Di-n-octylphthalate-d4	153	19.531	19.503	(1.000)	812092	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	19.872	19.818	(0.976)	50590	1.51514	30.30(M)
75 Benzo(k)fluoranthene	252	19.872	19.850	(0.976)	48978	1.38857	27.77(M)
76 Benzo(a)pyrene	252	20.278	20.245	(0.996)	43892	1.47606	29.52(MH)
* 77 Perylene-d12	264	20.364	20.325	(1.000)	490412	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
80 Benzo(g,h,i)perylene	276	Compound Not Detected.					
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.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: lr71i2.d
Lab Smp Id: LR71IRE
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

Calibration Date: 01-NOV-2007
Calibration Time: 14:35

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	145384	72692	290768	151499	4.21
27 Naphthalene-d8	530525	265262	1061050	551420	3.94
42 Acenaphthene-d10	280701	140350	561402	322672	14.95
59 Phenanthrene-d10	391934	195967	783868	528121	34.75
69 Chrysene-d12	354658	177329	709316	583655	64.57
134 Di-n-octylphthala	506314	253157	1012628	812092	60.39
77 Perylene-d12	400782	200391	801564	490412	22.36

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.82	6.32	7.32	6.83	0.10
27 Naphthalene-d8	8.87	8.37	9.37	8.87	0.01
42 Acenaphthene-d10	11.68	11.18	12.18	11.69	0.06
59 Phenanthrene-d10	14.00	13.50	14.50	14.01	0.08
69 Chrysene-d12	18.22	17.72	18.72	18.26	0.21
134 Di-n-octylphthala	19.50	19.00	20.00	19.53	0.14
77 Perylene-d12	20.33	19.83	20.83	20.36	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:
Sample Matrix: SOLID
Lab Smp Id: LR71IRE
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

Client SDG: 20071101
Fraction: SV

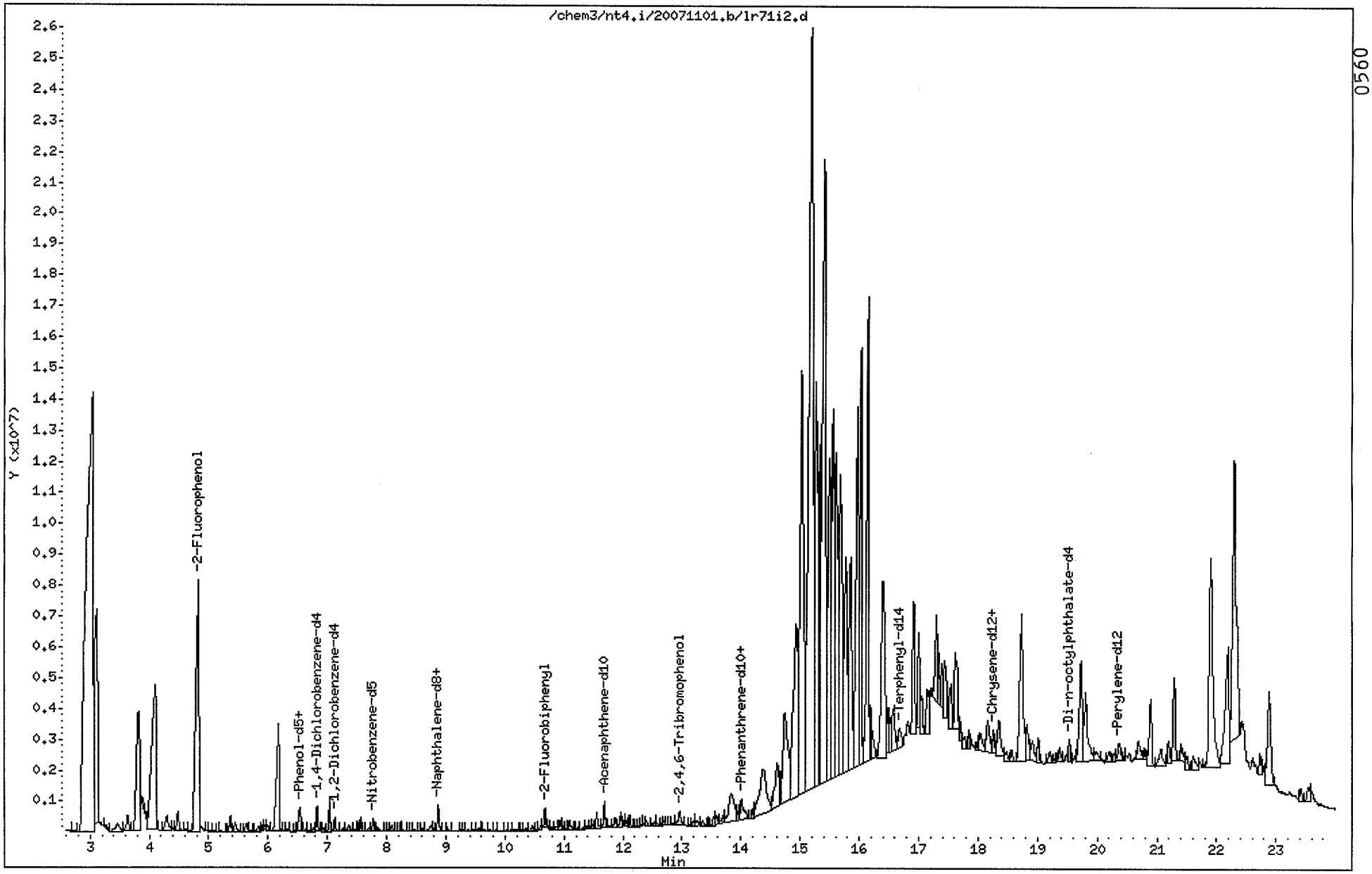
Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	338.3	45.10	11-84
$ 2 Phenol-d5	750.0	424.2	56.56	25-86
$ 5 2-Chlorophenol-d4	750.0	416.5	55.53	23-91
$ 10 1,2-Dichlorobenzen	500.0	256.6	51.31	24-90
$ 18 Nitrobenzene-d5	500.0	285.2	57.04	26-88
$ 36 2-Fluorobiphenyl	500.0	283.6	56.72	34-91
$ 55 2,4,6-Tribromophen	750.0	537.0	71.60	25-107
$ 66 Terphenyl-d14	500.0	316.6	63.31	22-100

Data File: /chem3/nt4.i/20071101.b/lr71i2.d
Date : 01-NOV-2007 21:21
Client ID:
Sample Info: LR71IRE
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt4.i

Operator: VTS
Column diameter: 0.32



Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

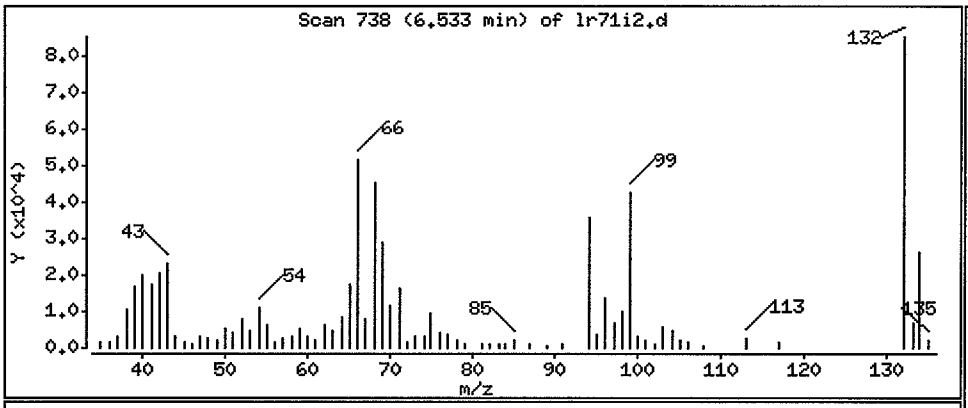
Operator: VTS

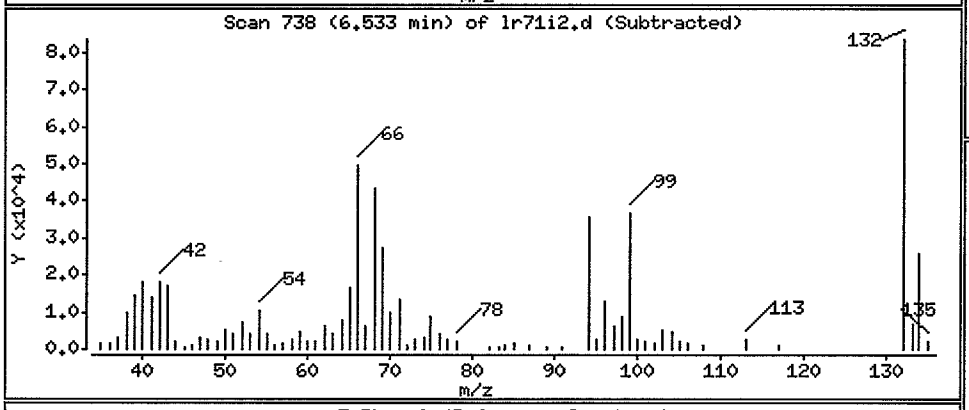
Column phase: ZB-5

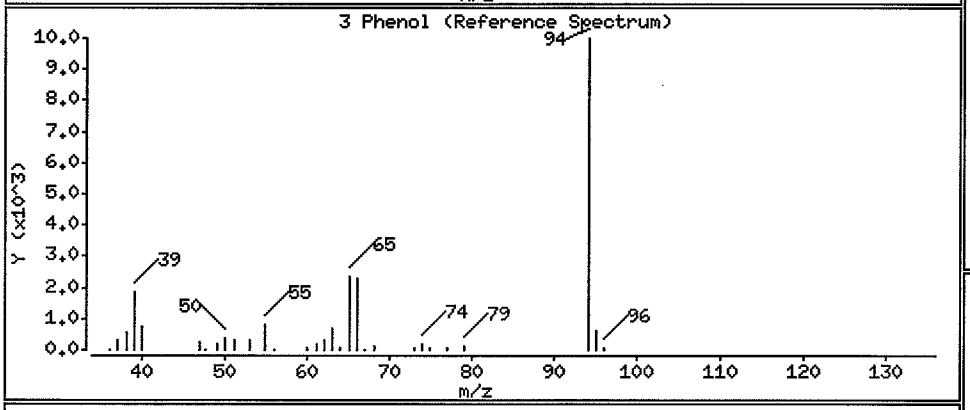
Column diameter: 0.32

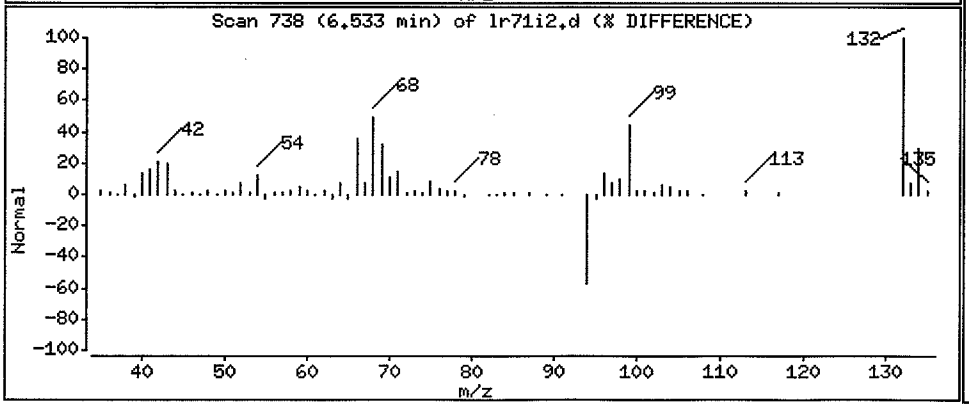
3 Phenol

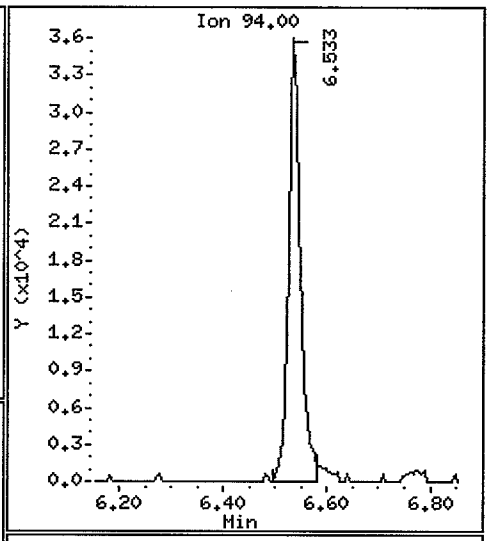
Concentration: 68.98 ug/Kg

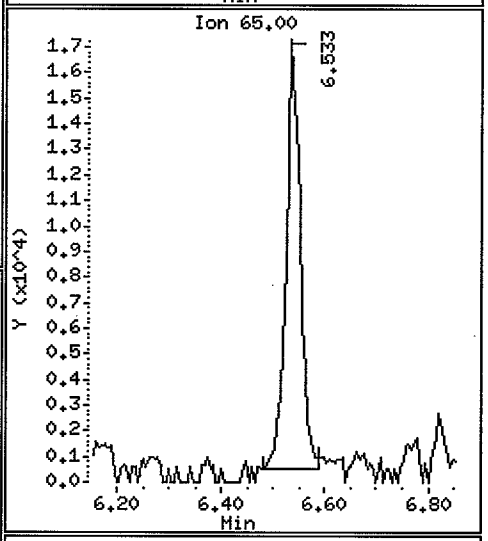


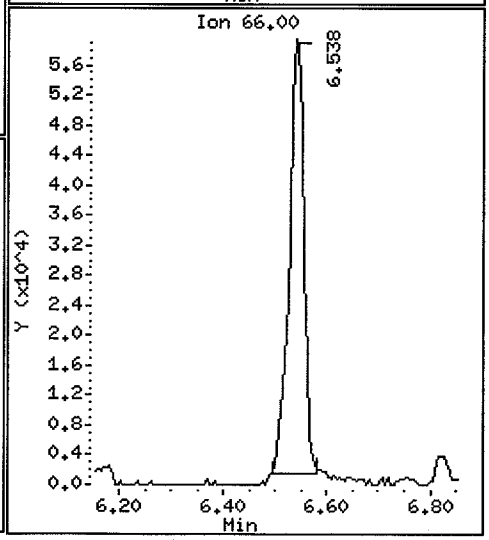












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

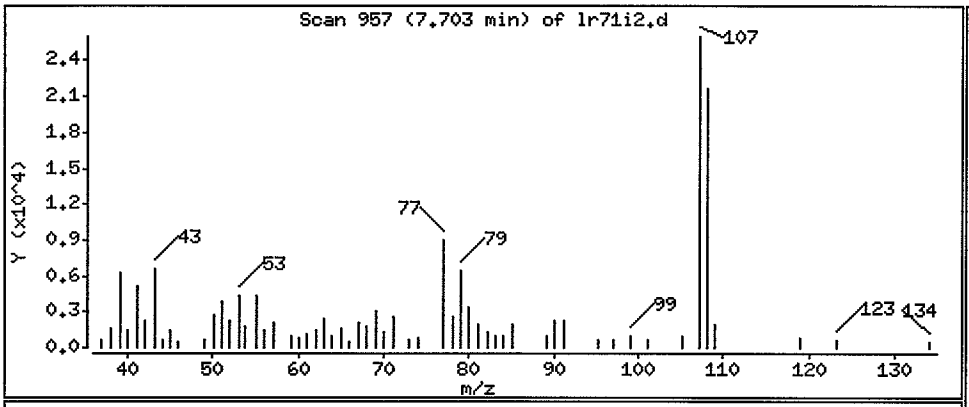
Operator: VTS

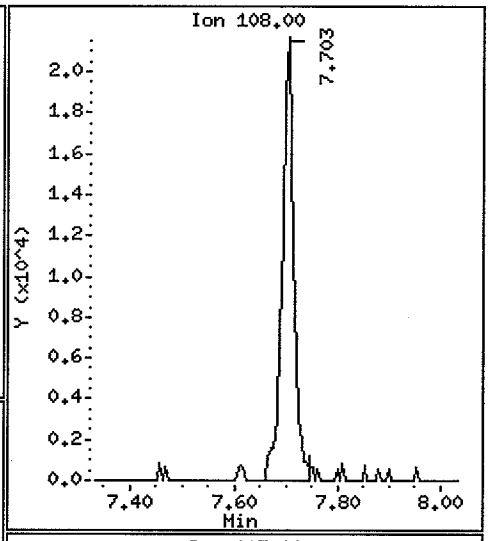
Column phase: ZB-5

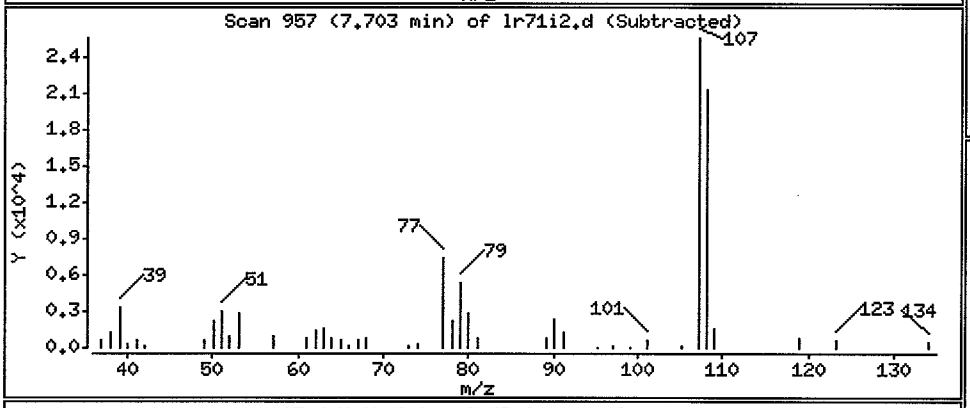
Column diameter: 0.32

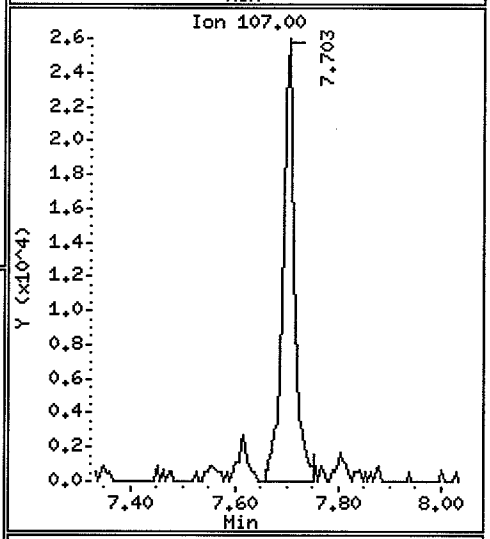
15 4-Methylphenol

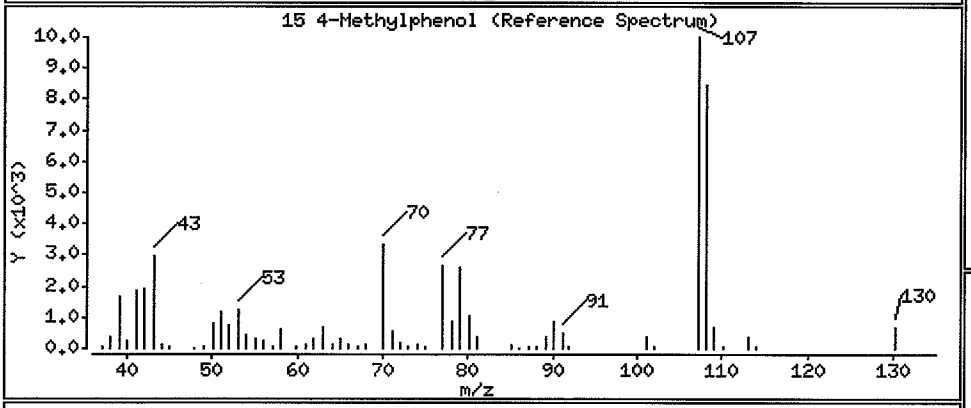
Concentration: 60.26 ug/Kg

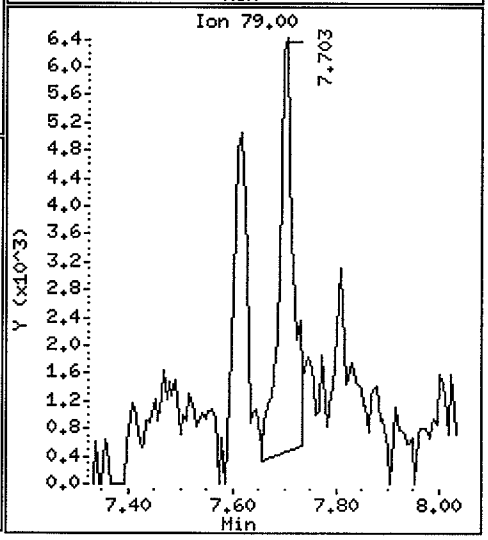


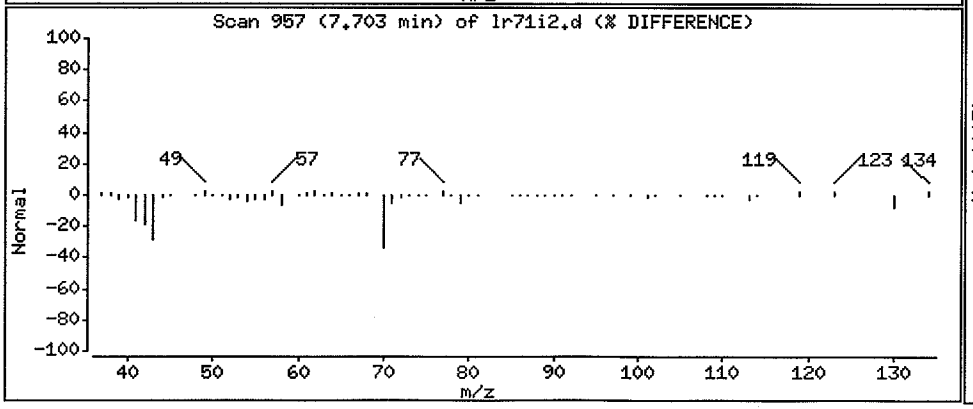












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

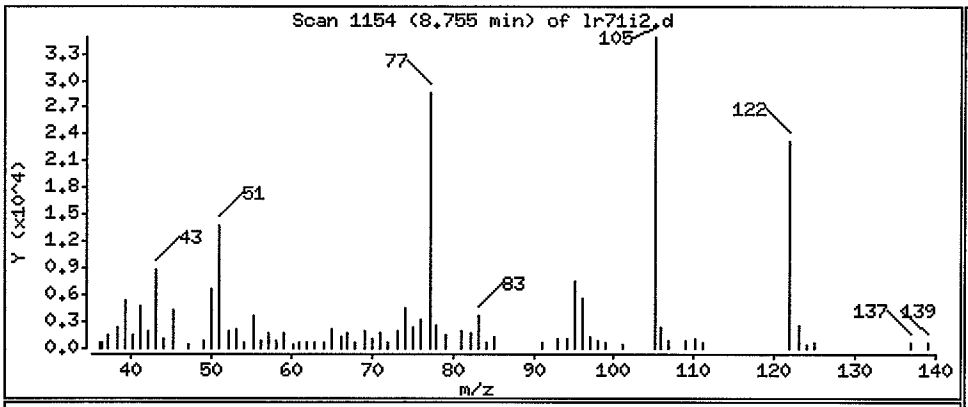
Operator: VTS

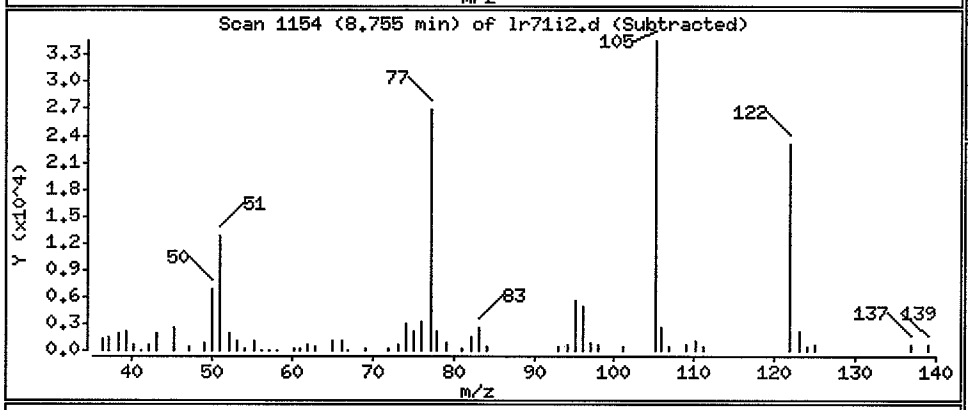
Column phase: ZB-5

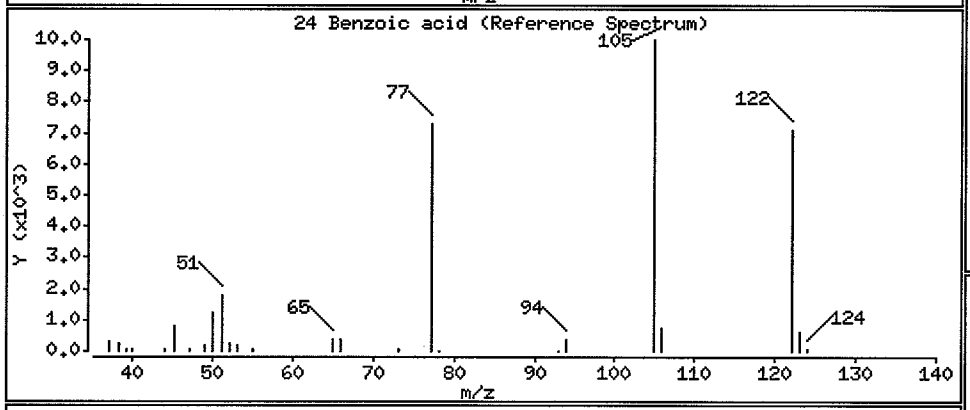
Column diameter: 0.32

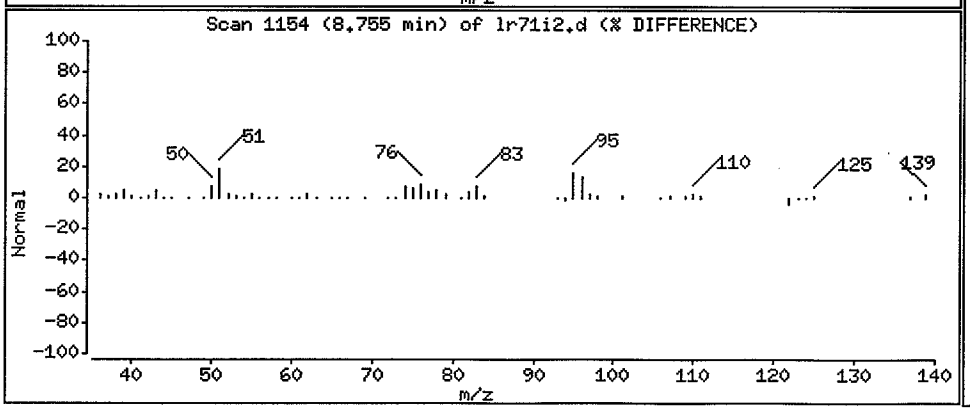
24 Benzoic acid

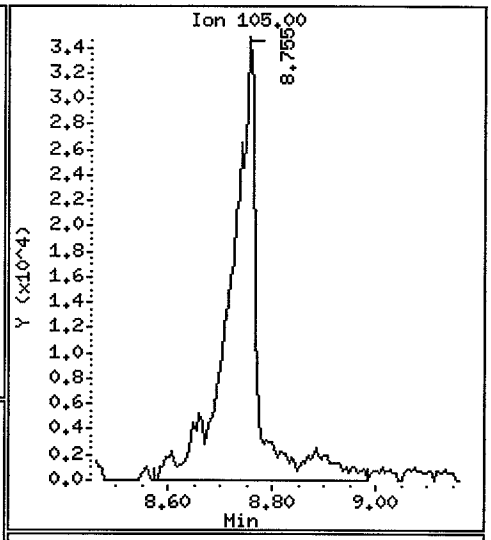
Concentration: 284.9 ug/Kg

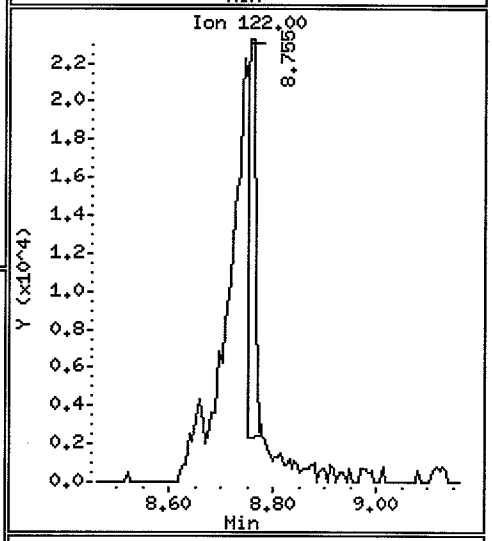


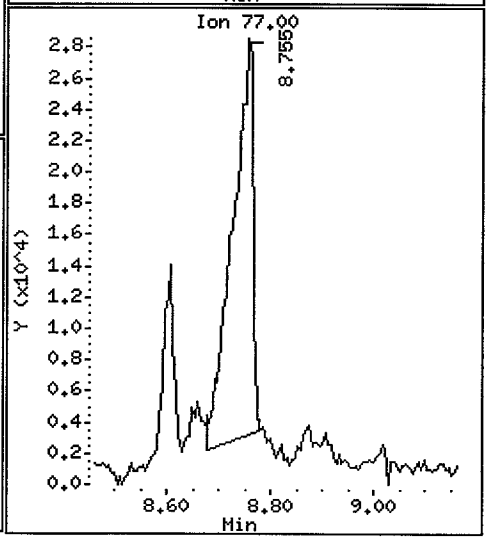












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

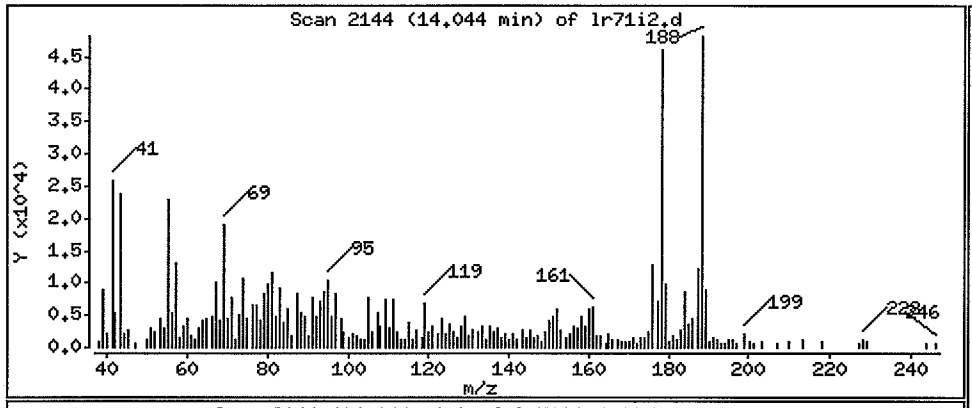
Operator: VTS

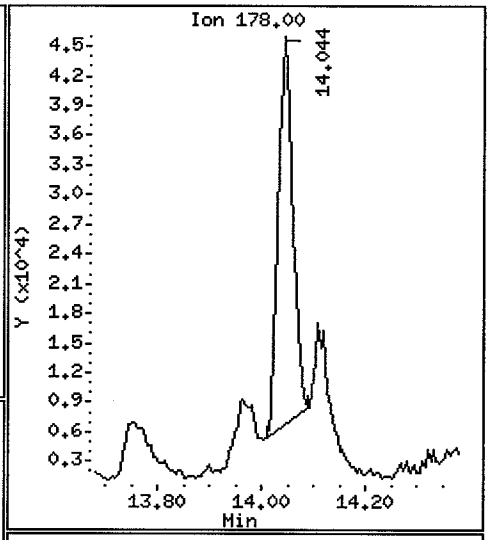
Column phase: ZB-5

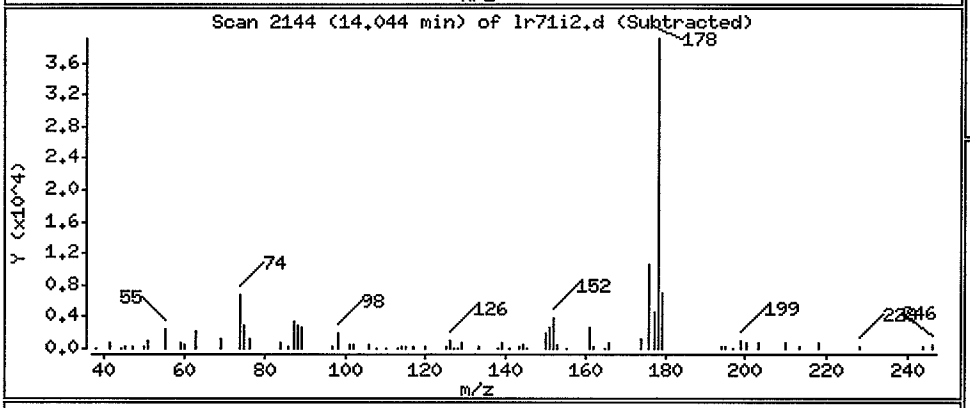
Column diameter: 0.32

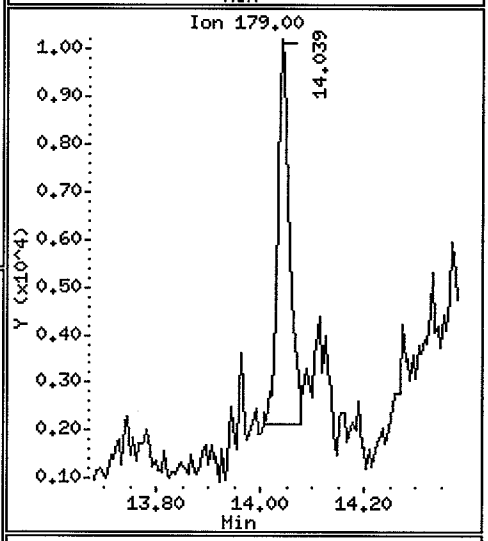
60 Phenanthrene

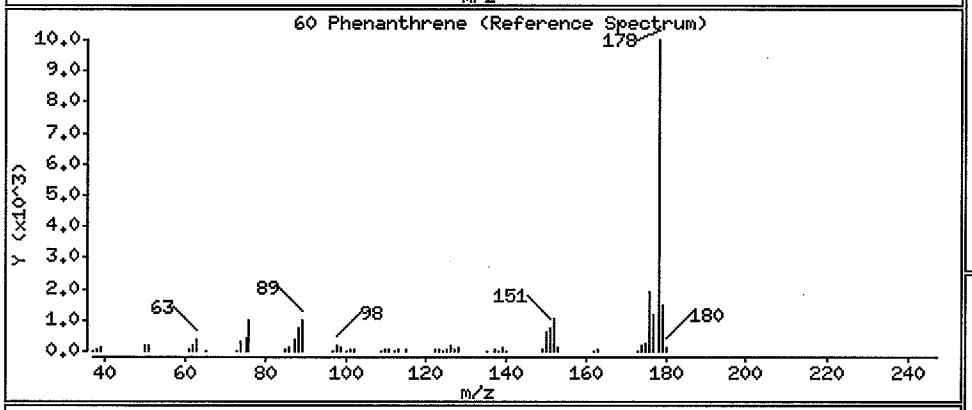
Concentration: 41.62 ug/Kg

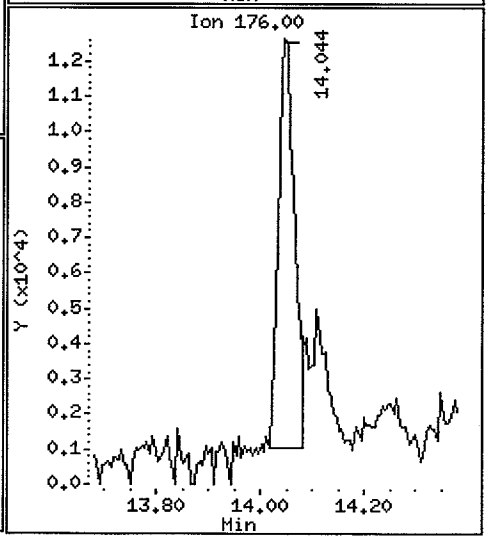


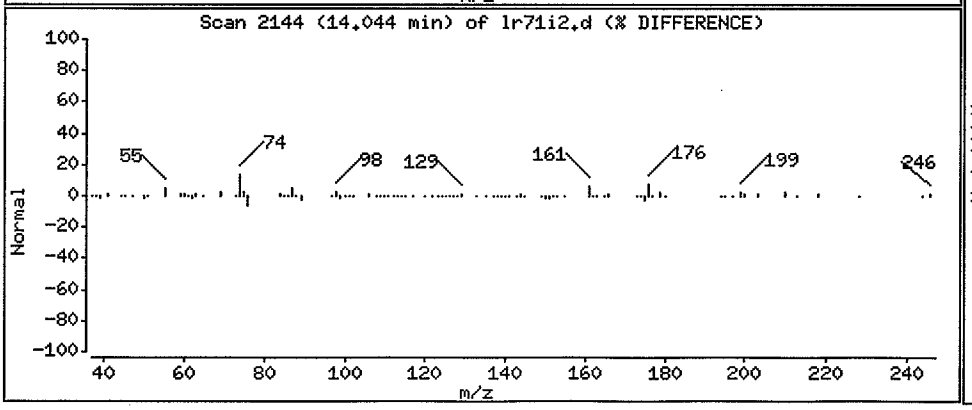












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

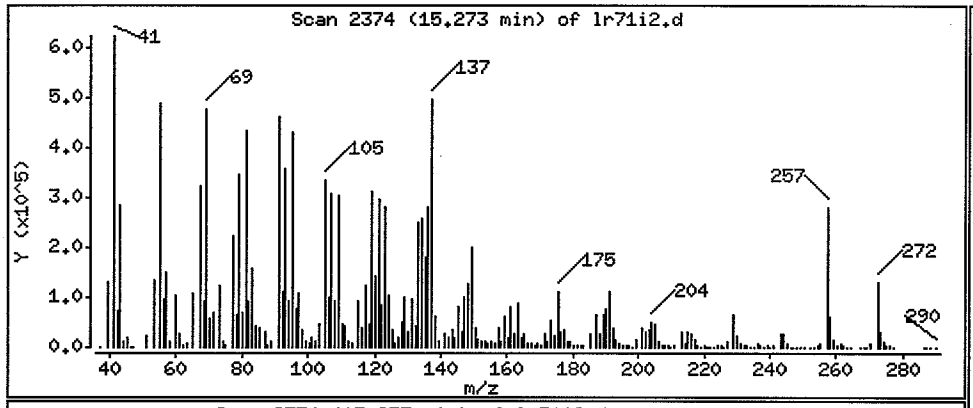
Operator: VTS

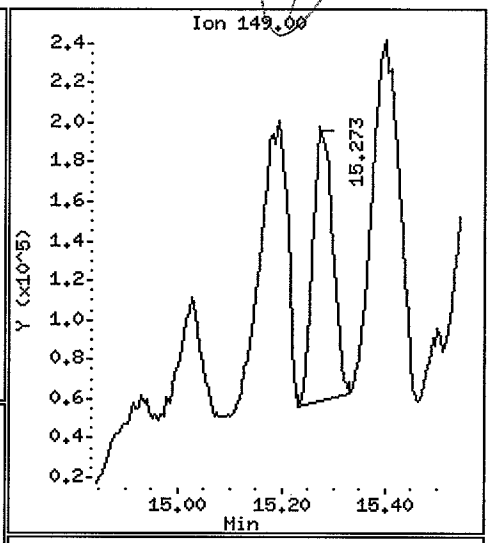
Column phase: ZB-5

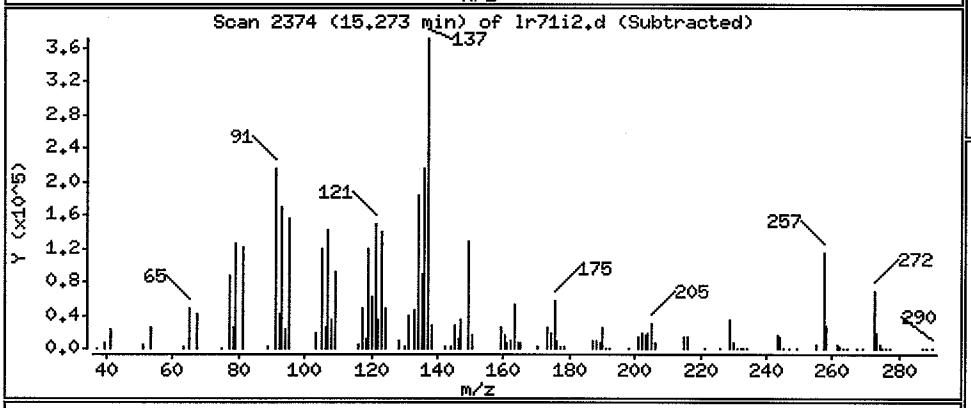
Column diameter: 0.32

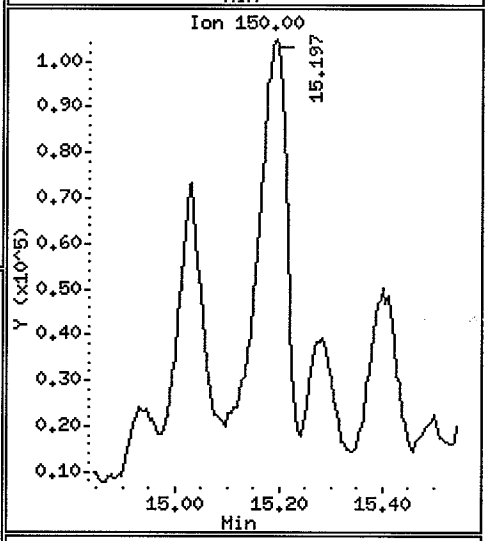
63 Di-n-butylphthalate

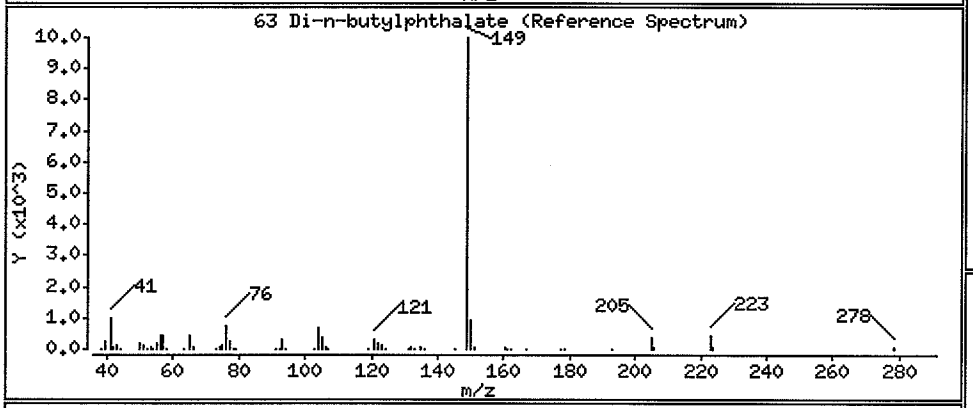
Concentration: 196.0 ug/Kg

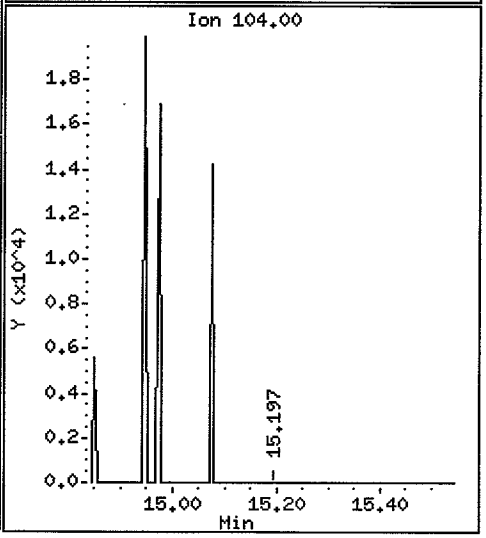


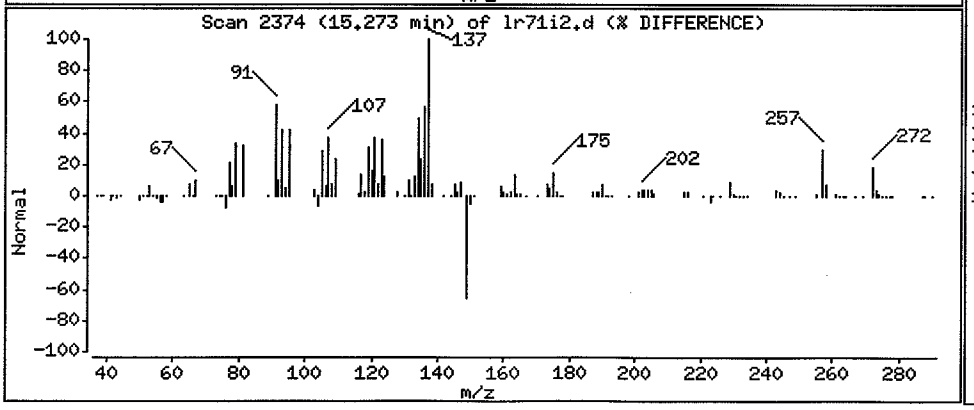












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

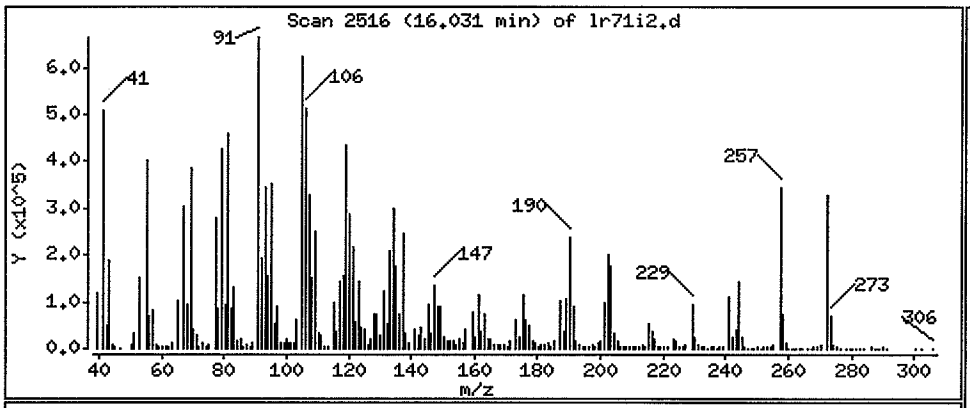
Operator: VTS

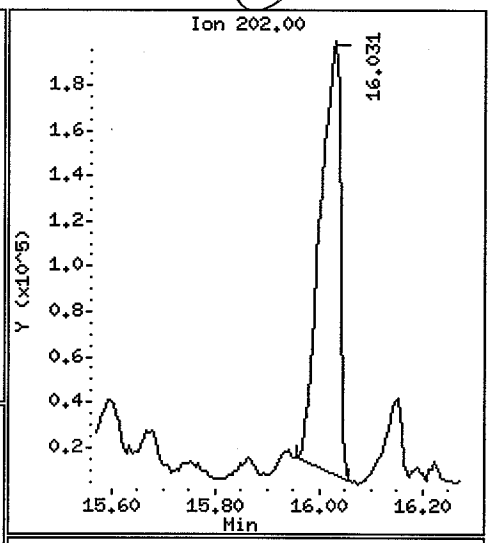
Column phase: ZB-5

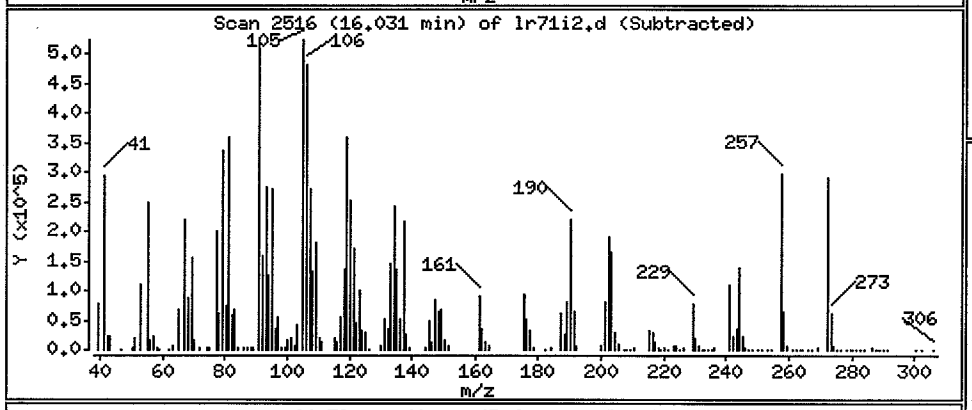
Column diameter: 0.32

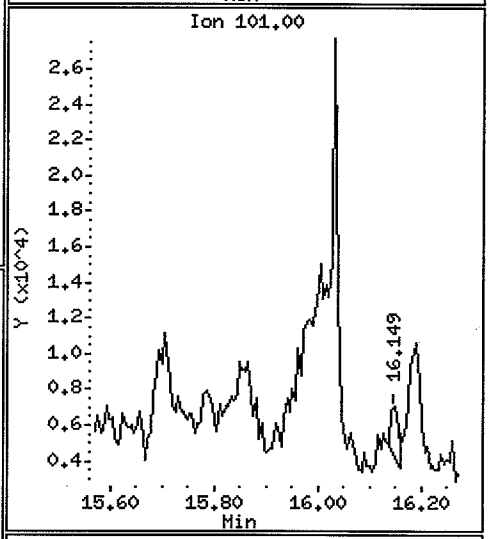
64 Fluoranthene

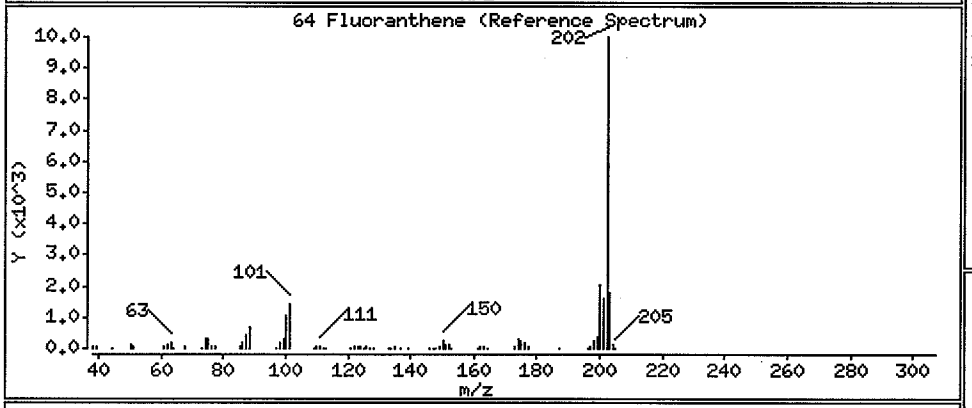
Concentration: 259.4 ug/Kg

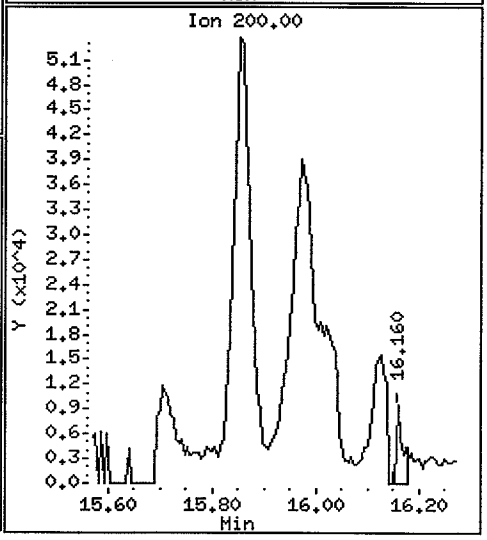


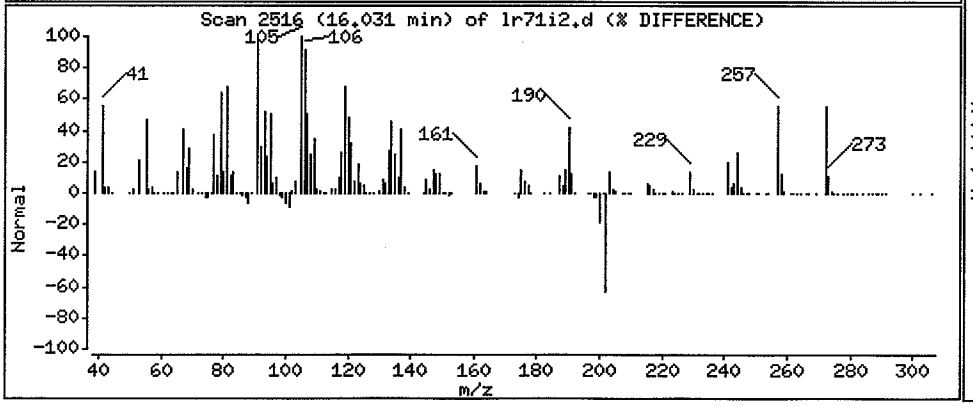












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

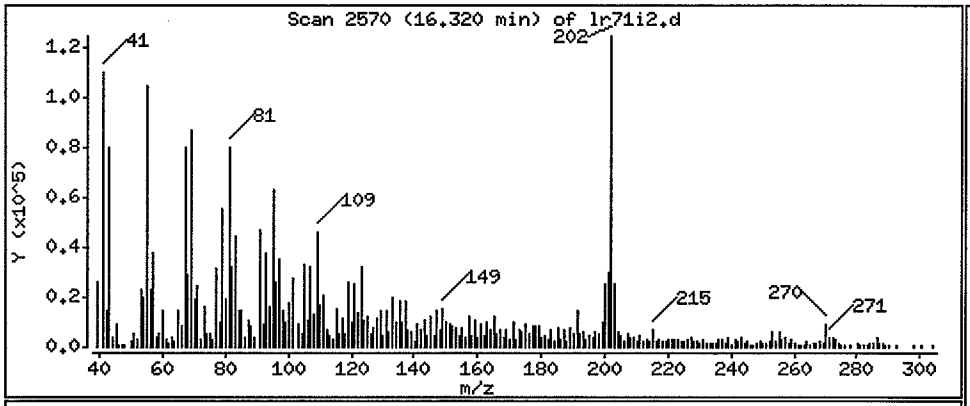
Operator: VTS

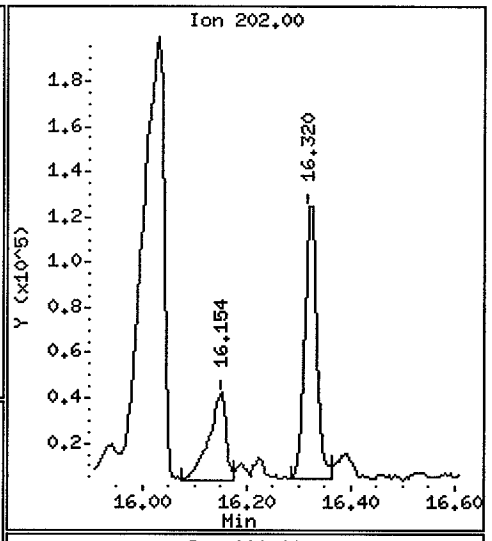
Column phase: ZB-5

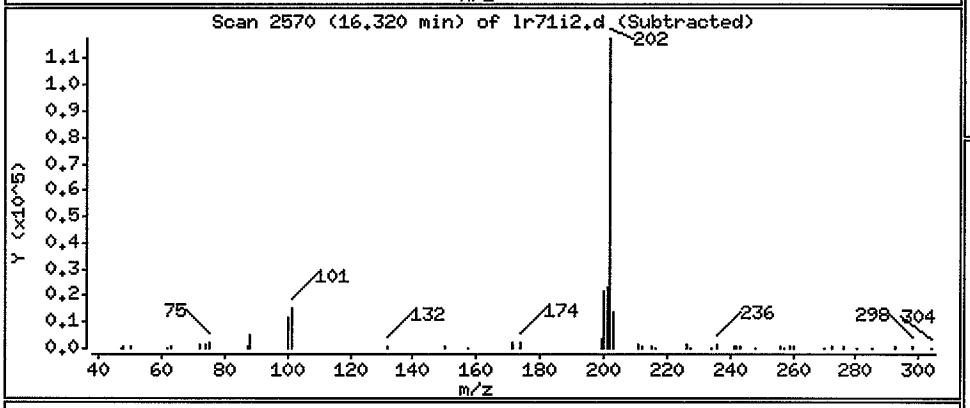
Column diameter: 0.32

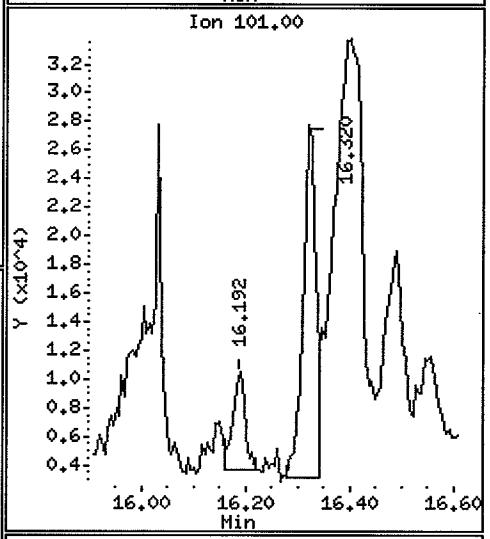
65 Pyrene

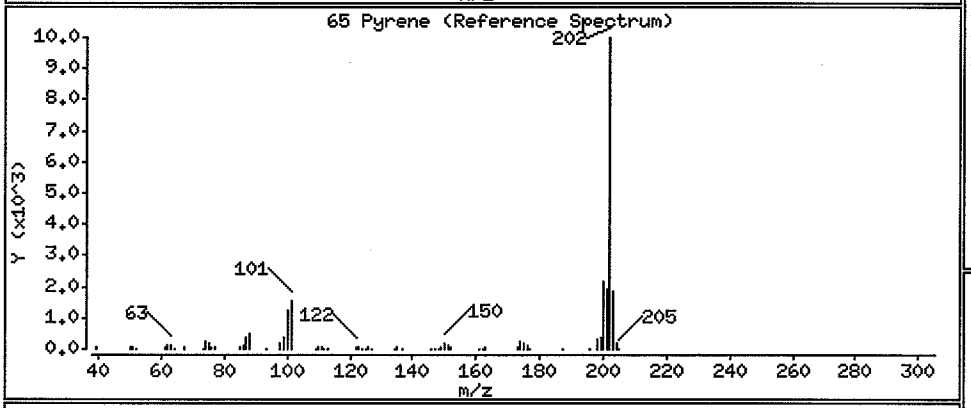
Concentration: 85.17 ug/Kg

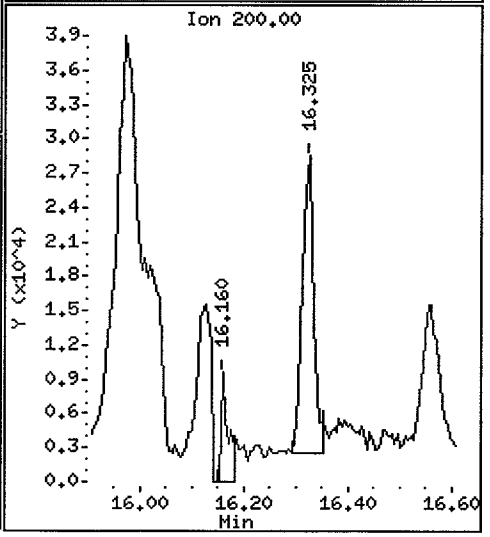


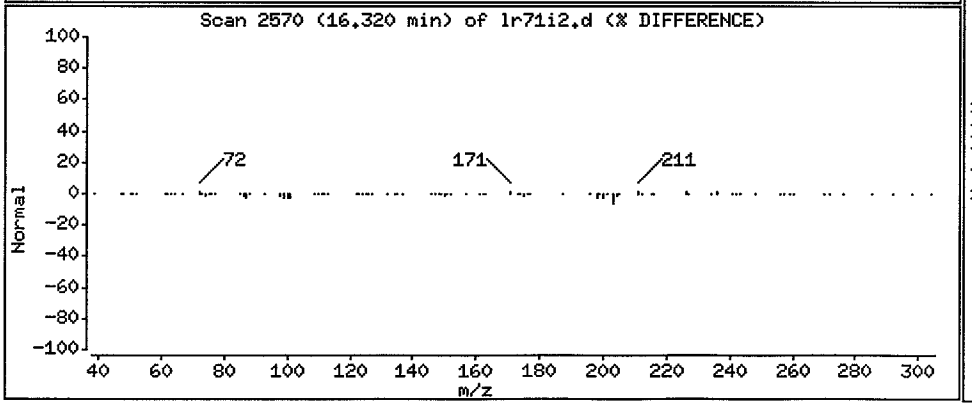












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

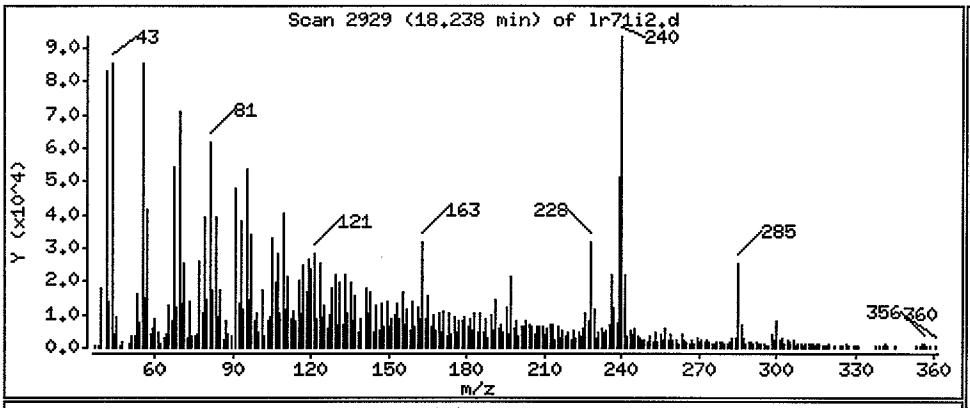
Operator: VTS

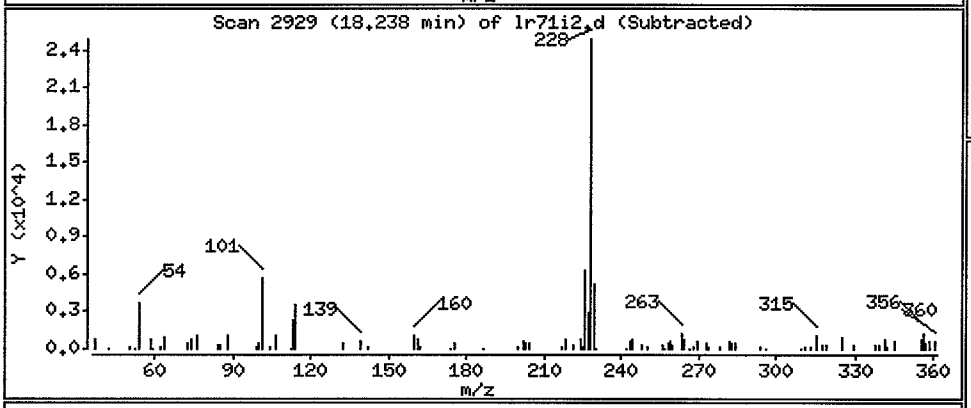
Column phase: ZB-5

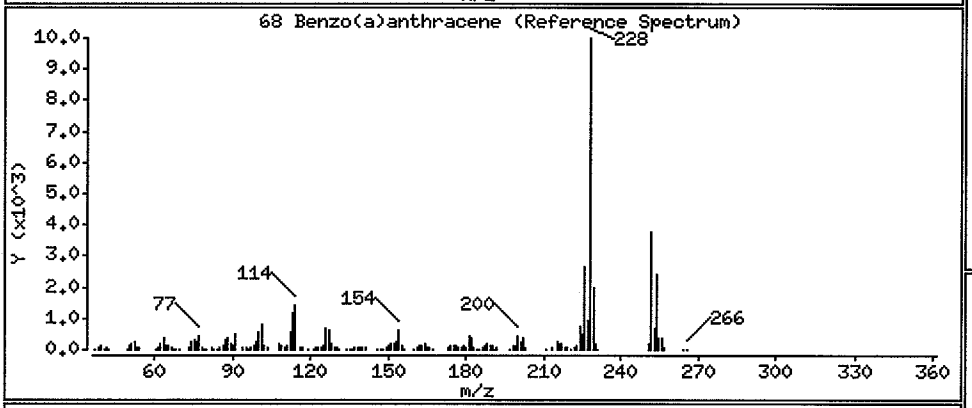
Column diameter: 0.32

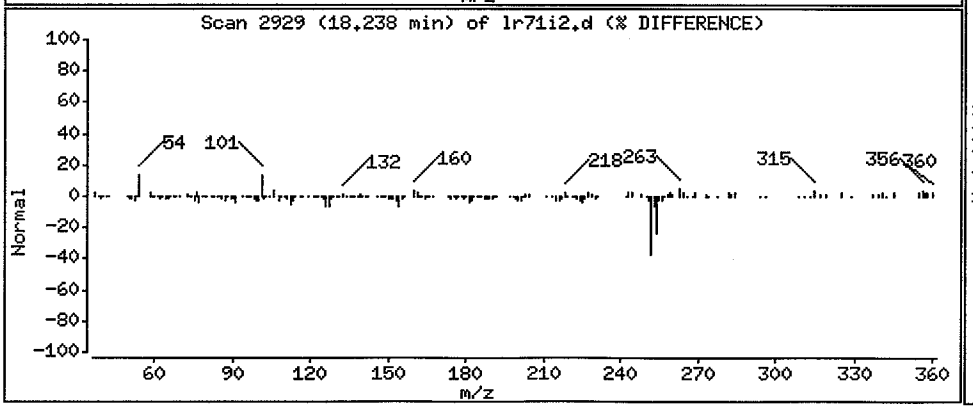
68 Benzo(a)anthracene

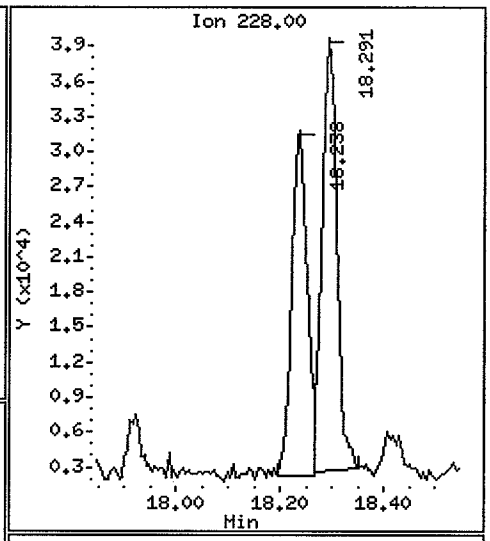
Concentration: 28.20 ug/Kg

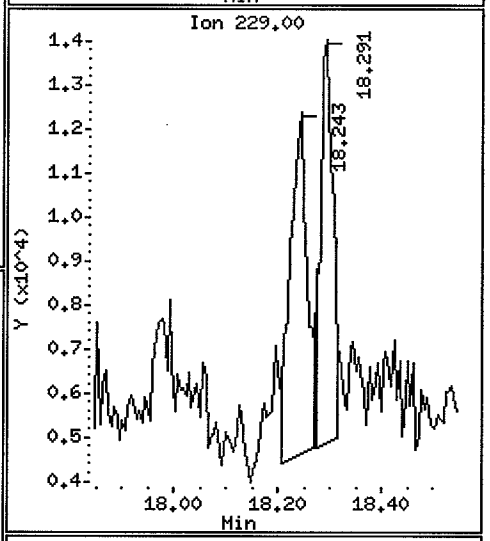


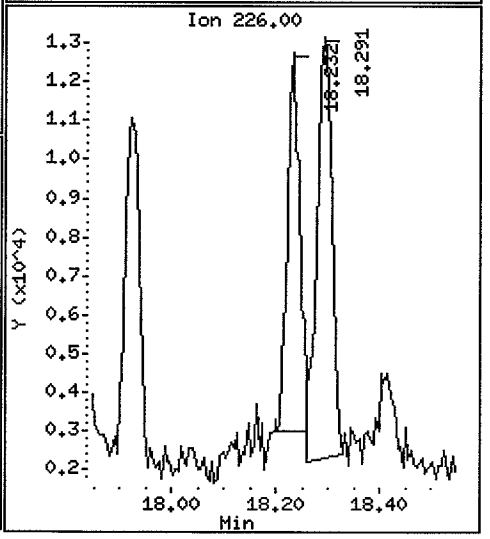












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

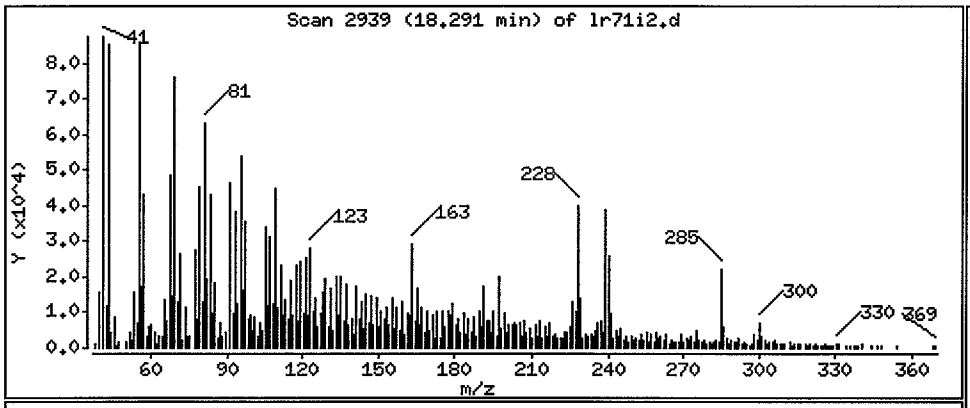
Operator: VTS

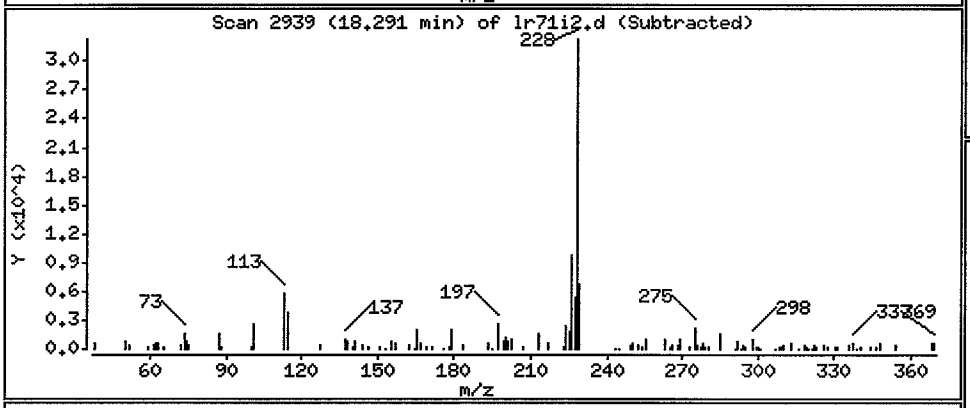
Column phase: ZB-5

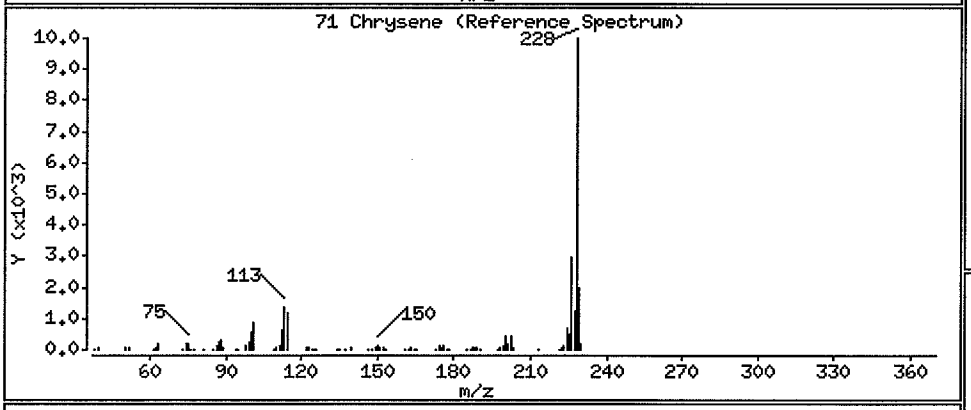
Column diameter: 0.32

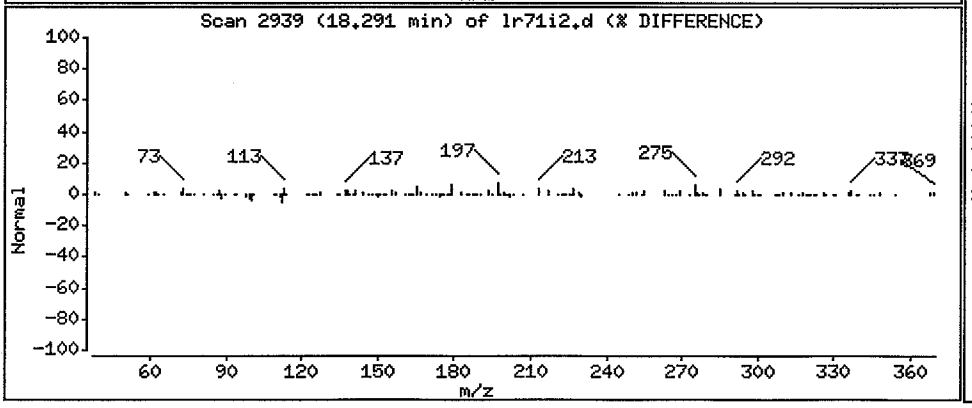
71 Chrysene

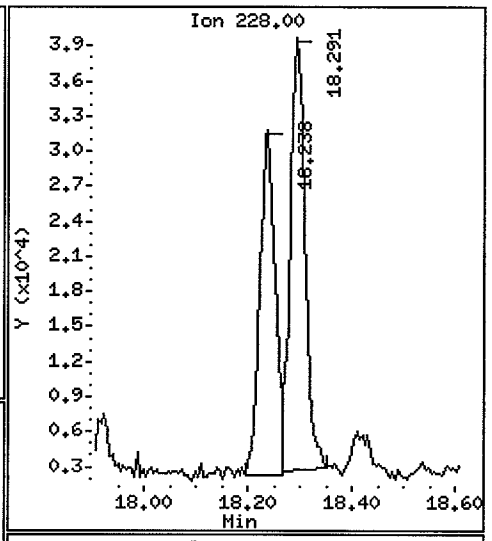
Concentration: 35.13 ug/Kg

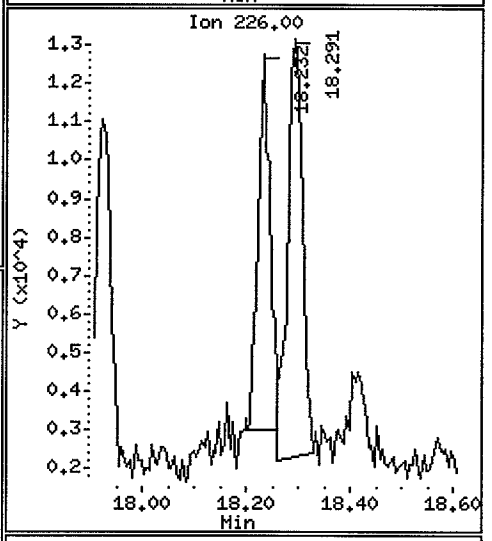


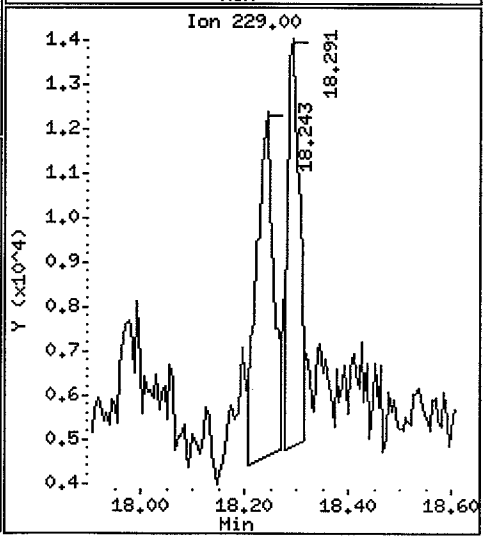












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

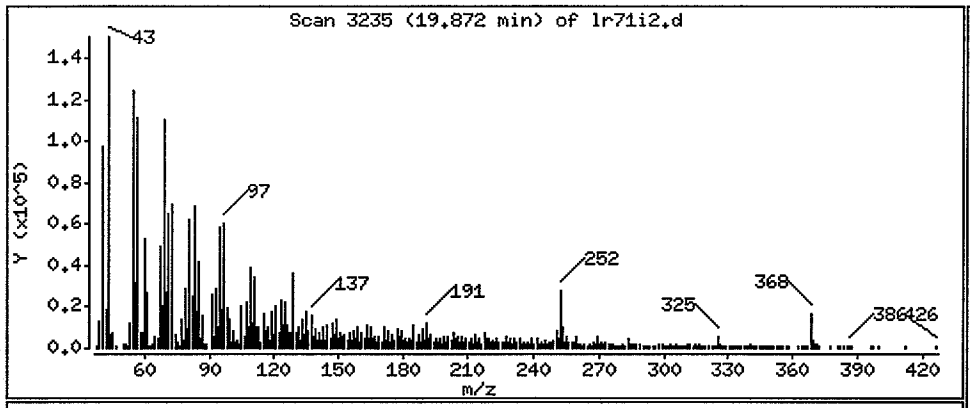
Operator: VTS

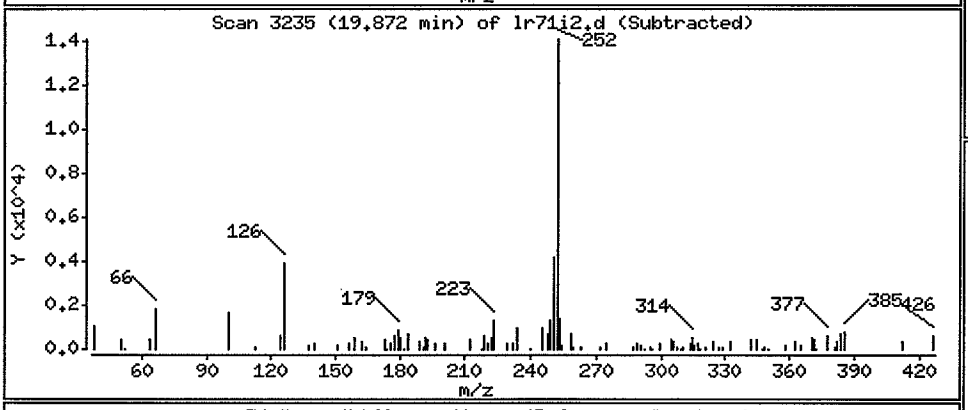
Column phase: ZB-5

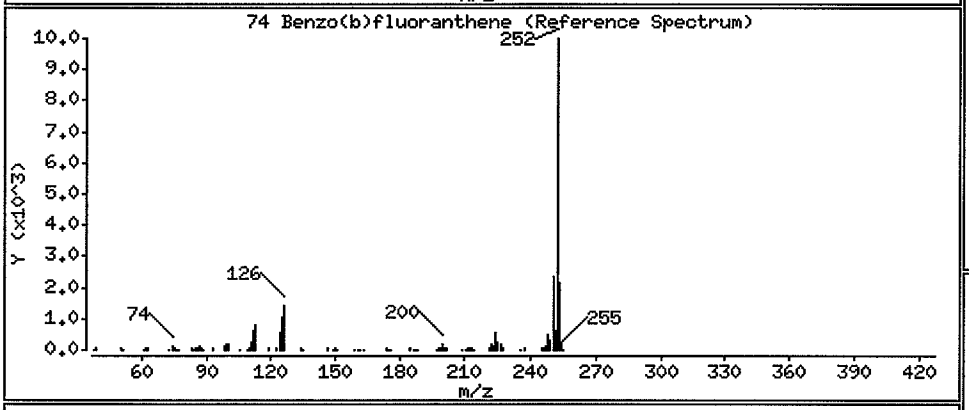
Column diameter: 0.32

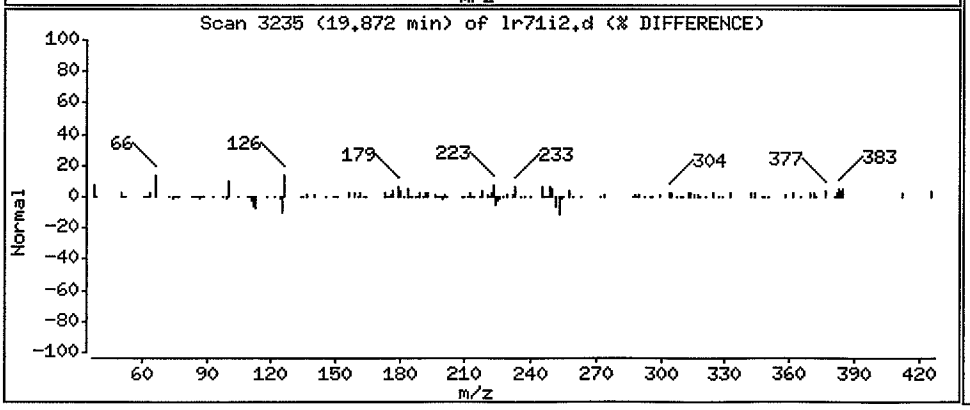
74 Benzo(b)fluoranthene

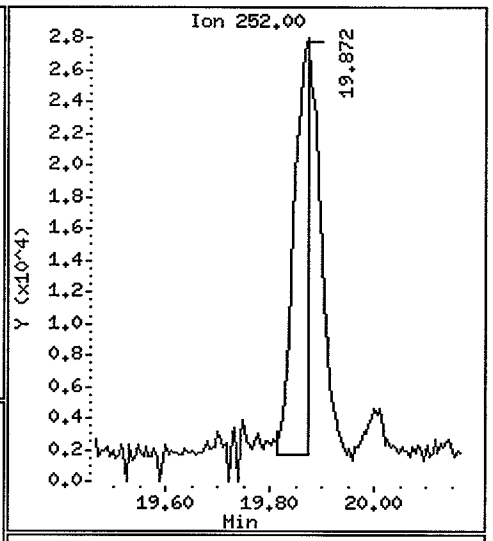
Concentration: 30.30 ug/Kg

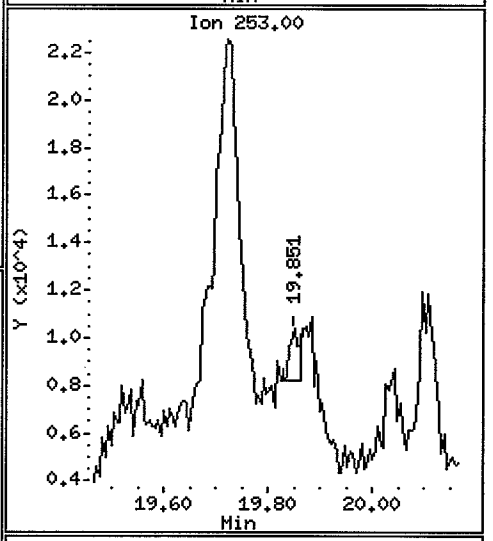


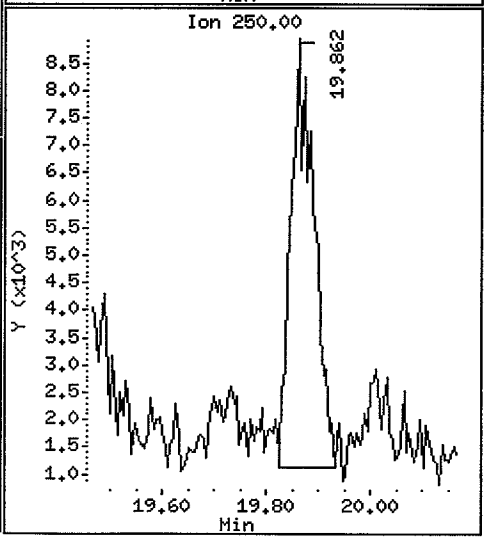












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

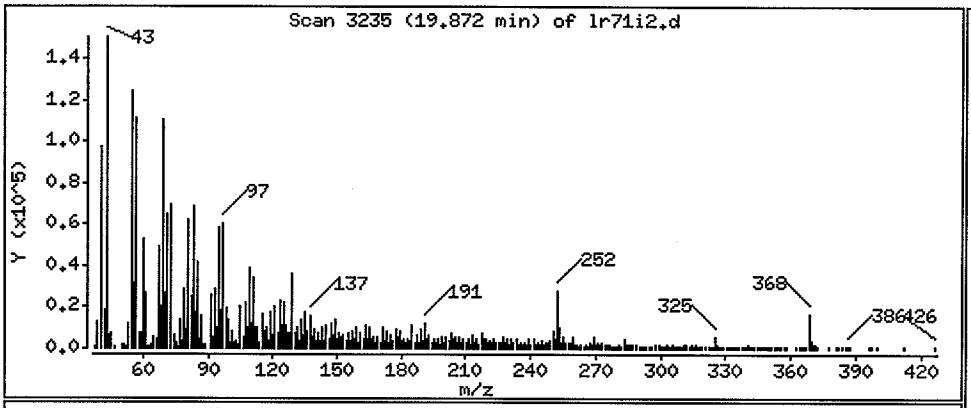
Operator: VTS

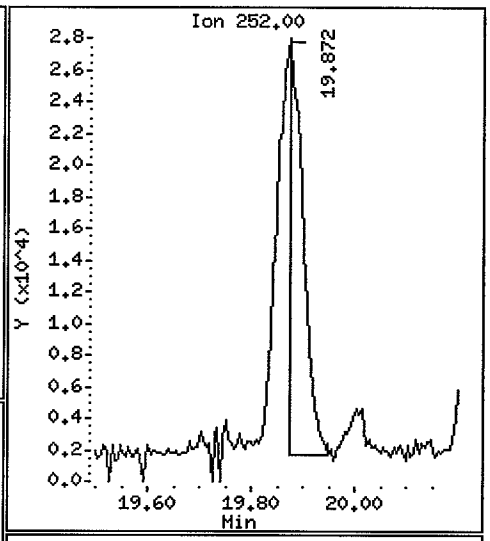
Column phase: ZB-5

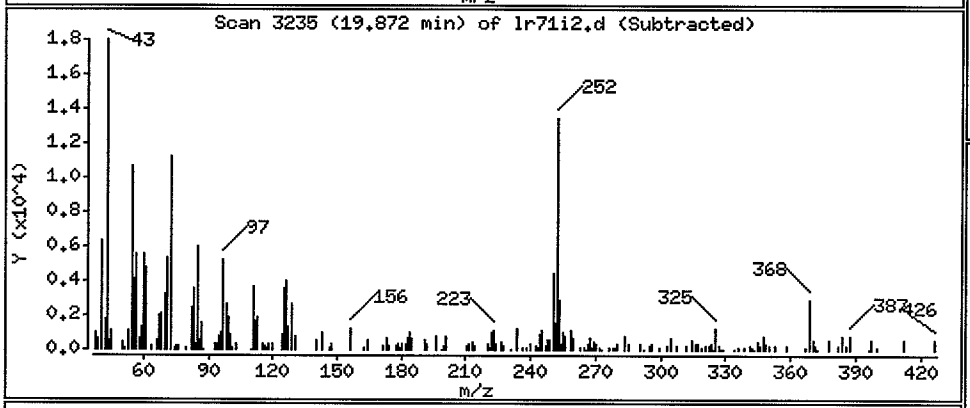
Column diameter: 0.32

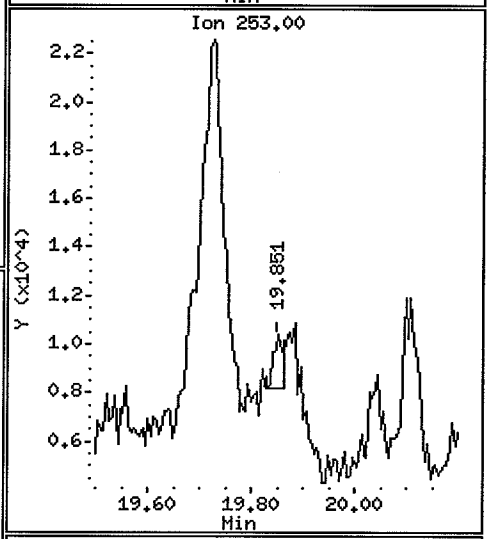
75 Benzo(k)fluoranthene

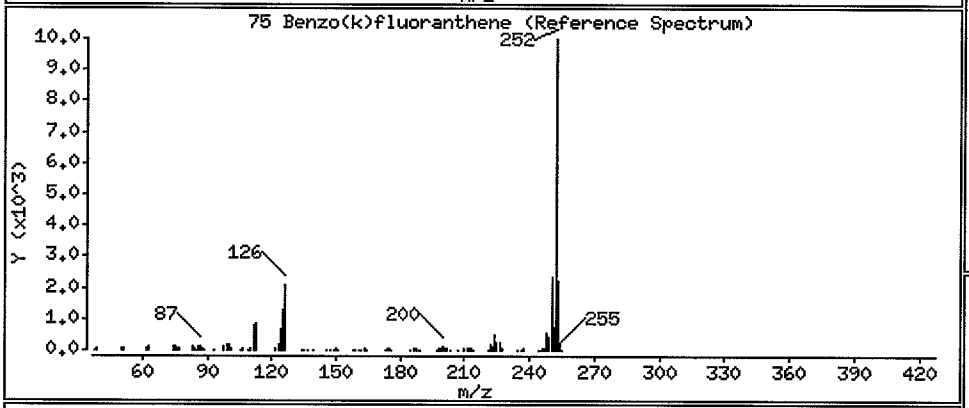
Concentration: 27.77 ug/Kg

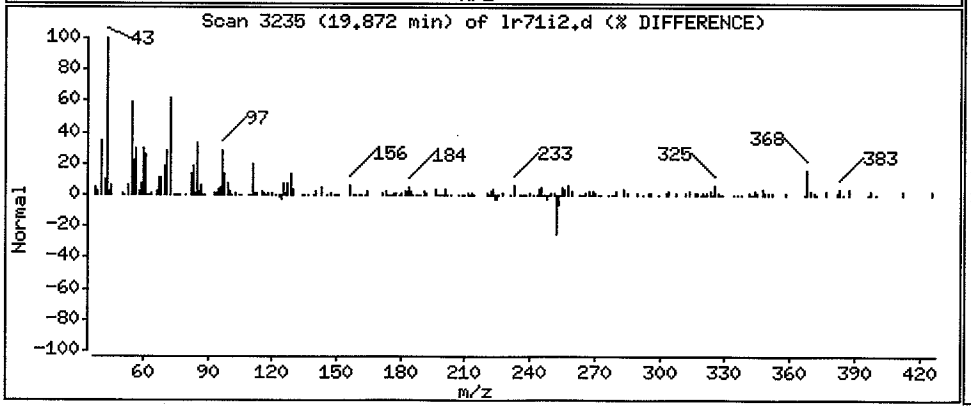


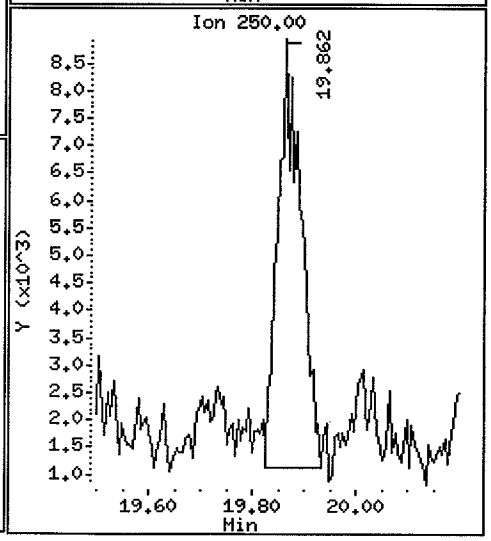












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

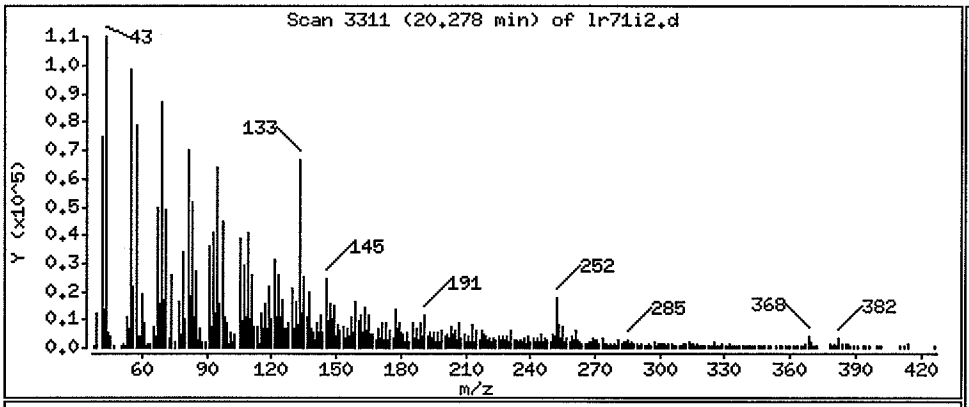
Operator: VTS

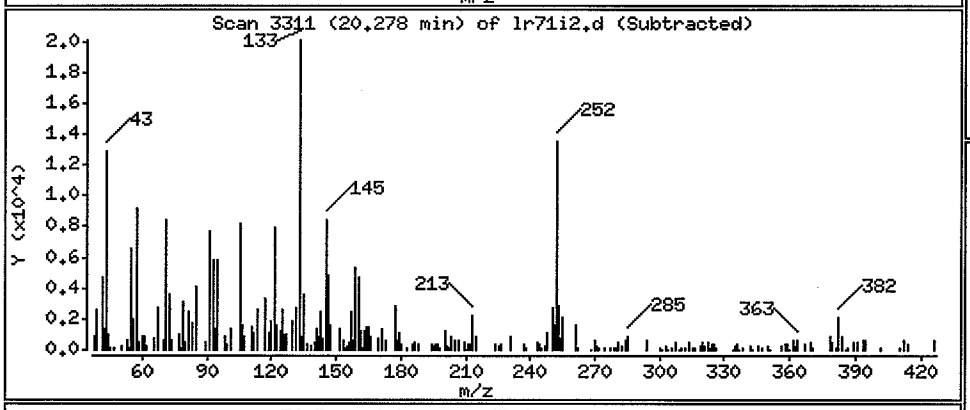
Column phase: ZB-5

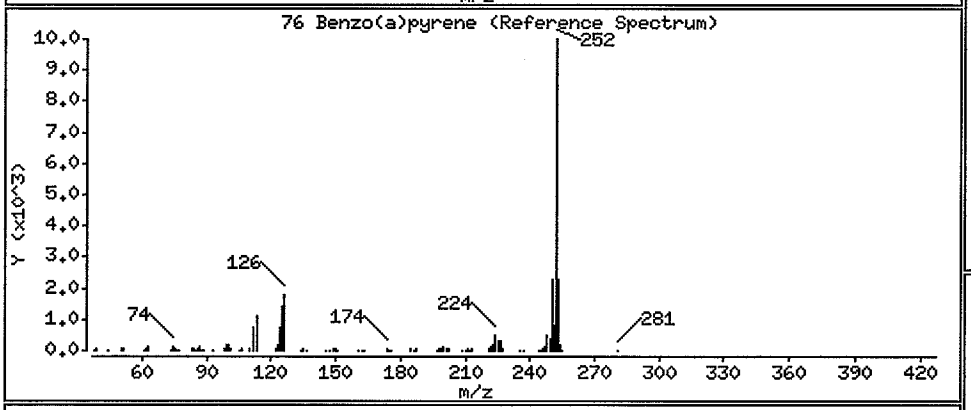
Column diameter: 0.32

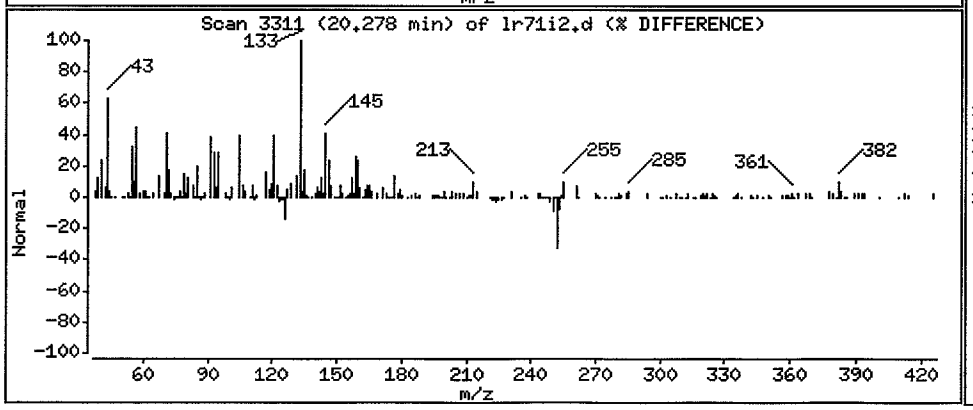
76 Benzo(a)pyrene

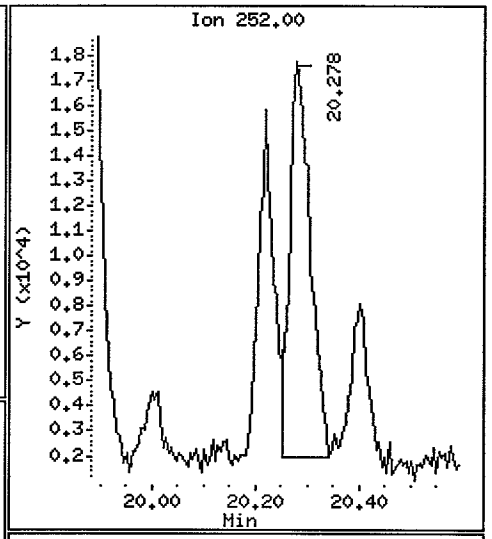
Concentration: 29.52 ug/Kg

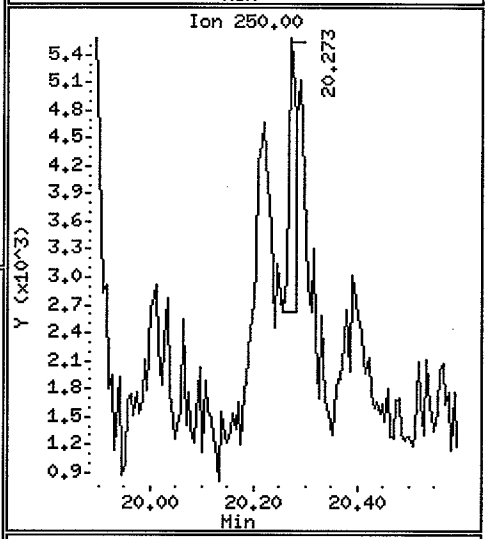


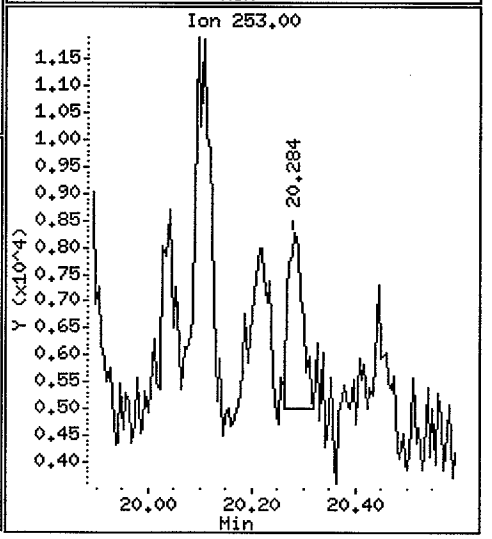












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

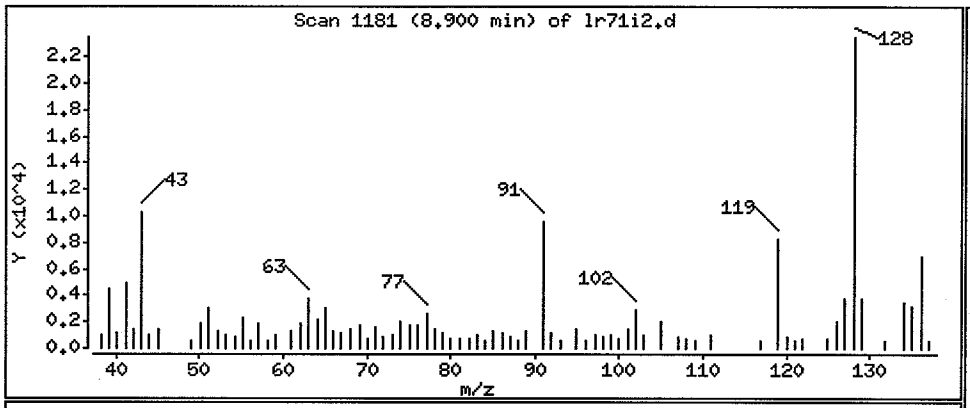
Operator: VTS

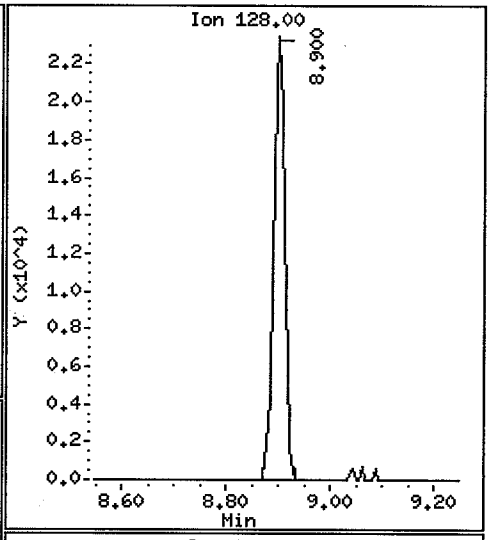
Column phase: ZB-5

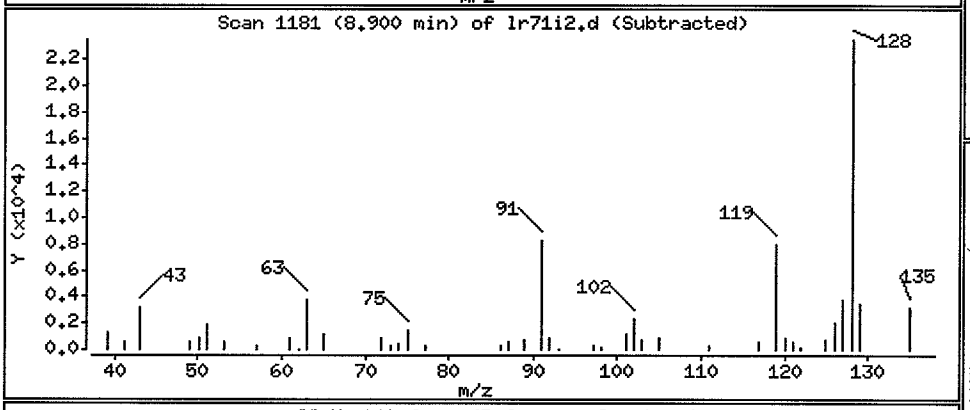
Column diameter: 0.32

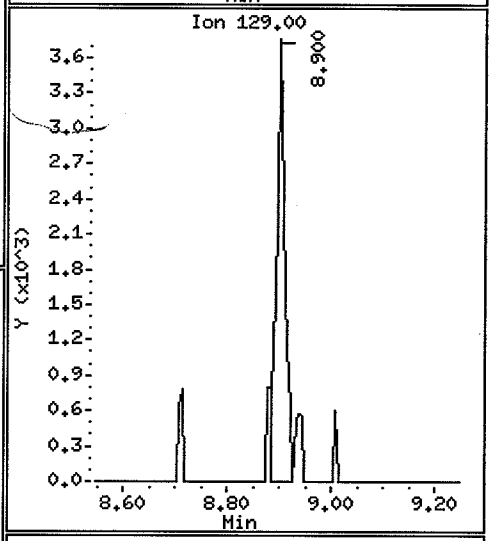
28 Naphthalene

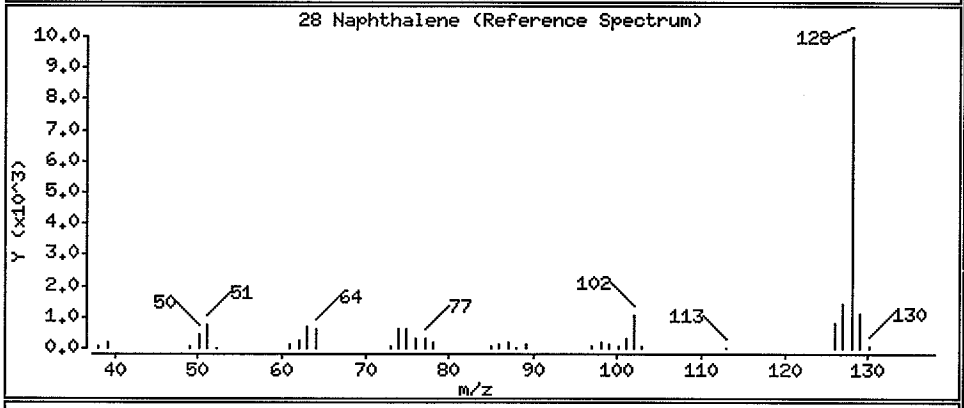
Concentration: 19.87 ug/Kg

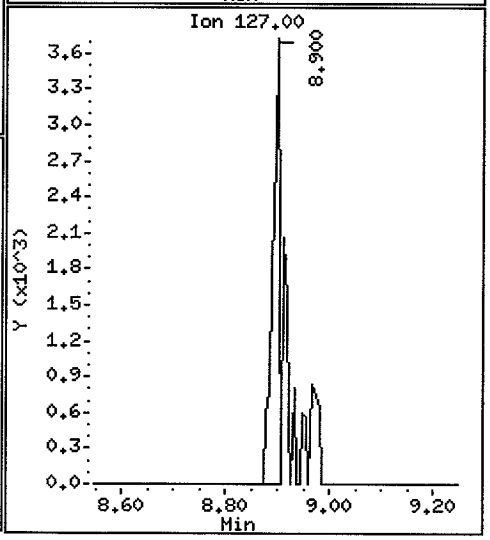


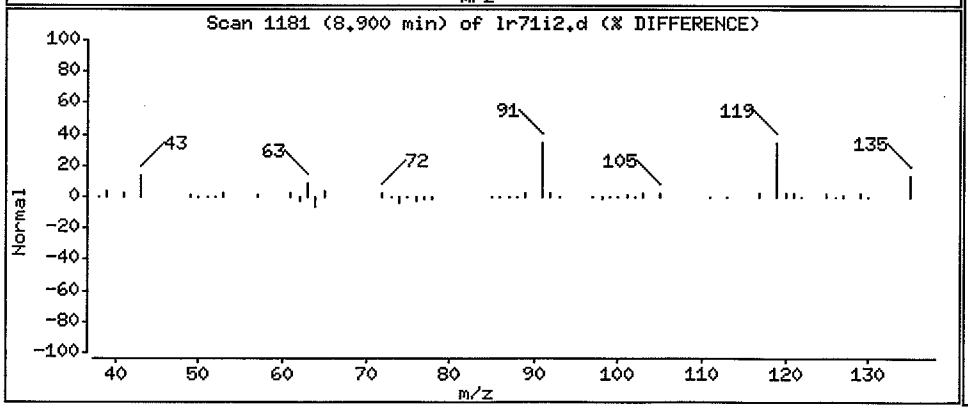












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

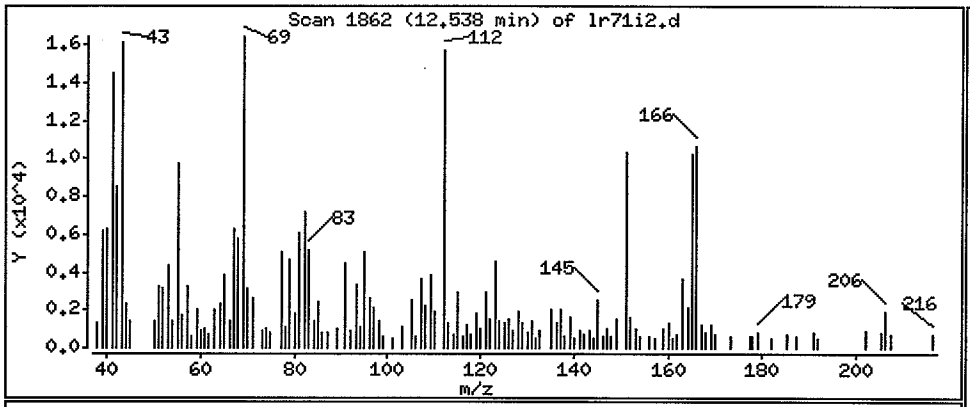
Operator: VTS

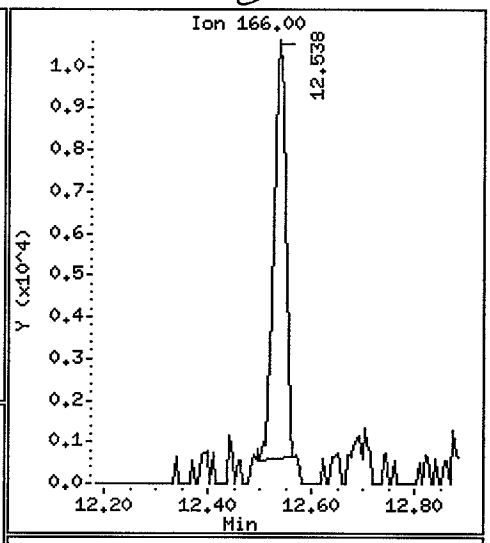
Column phase: ZB-5

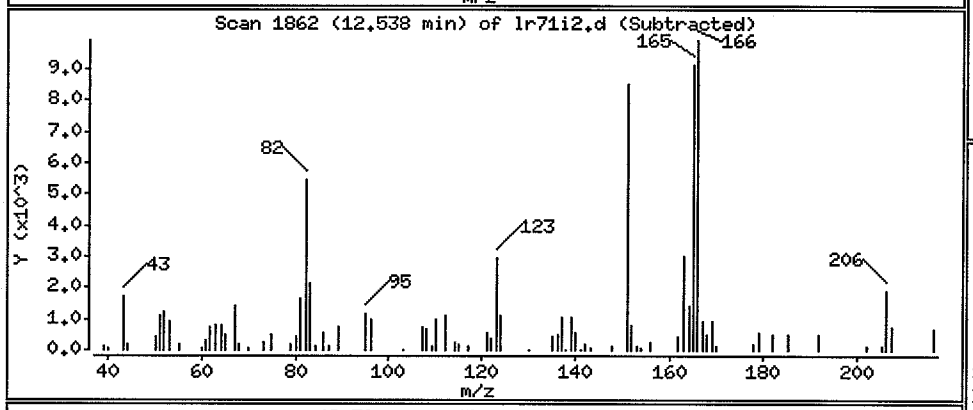
Column diameter: 0.32

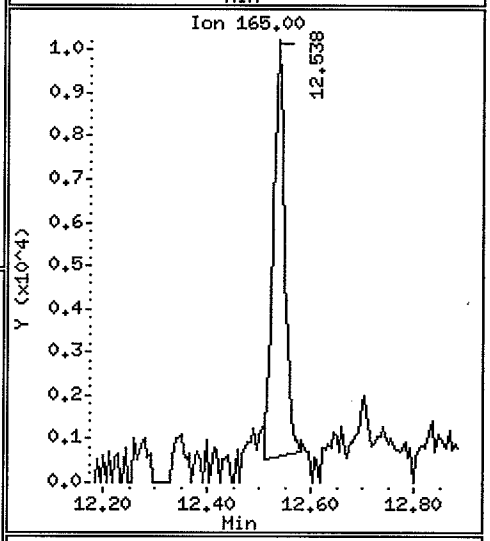
49 Fluorene

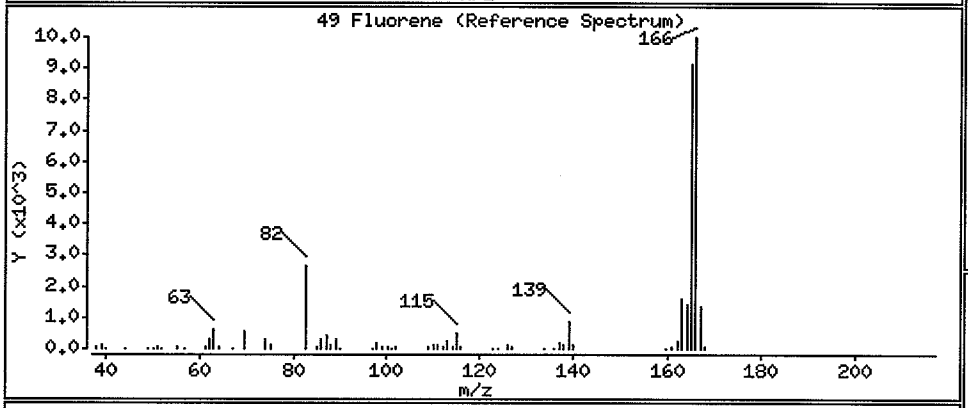
Concentration: 13.42 ug/Kg

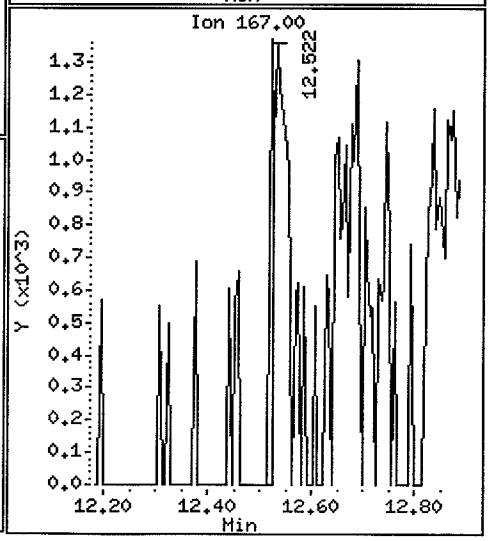


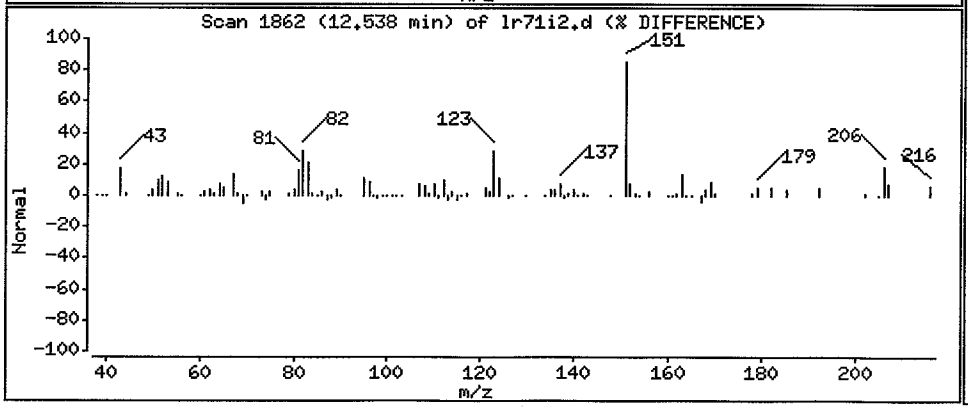












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

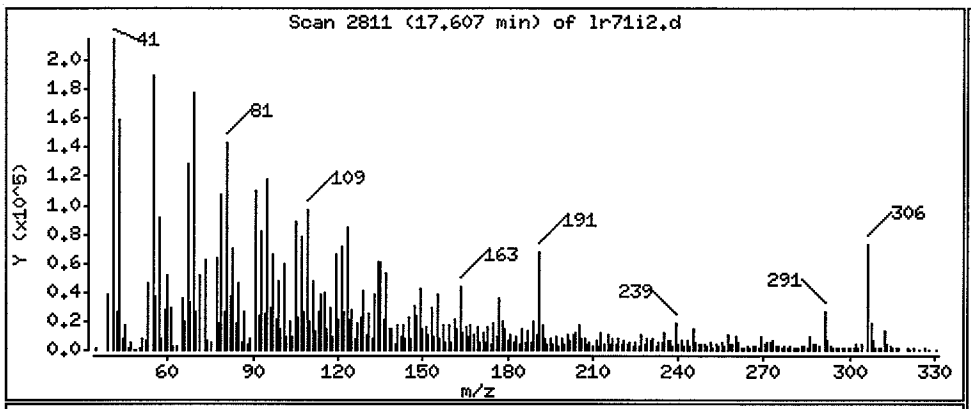
Operator: VTS

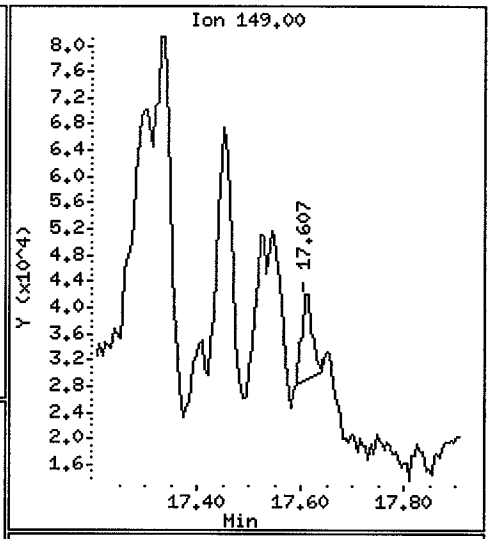
Column phase: ZB-5

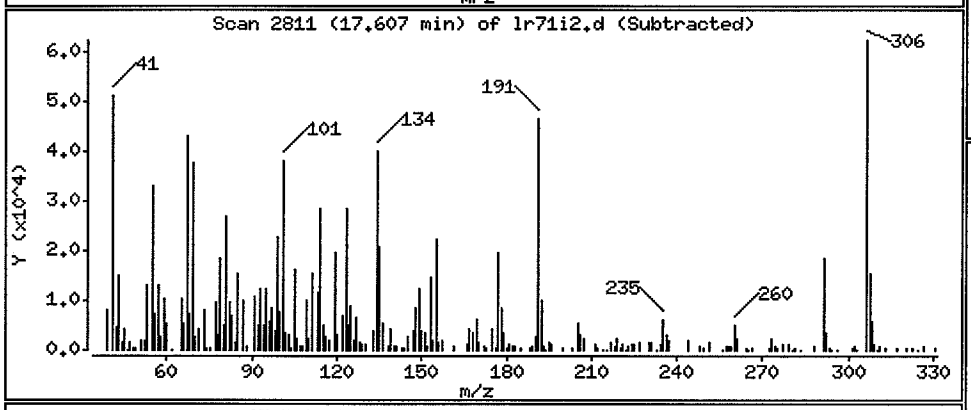
Column diameter: 0.32

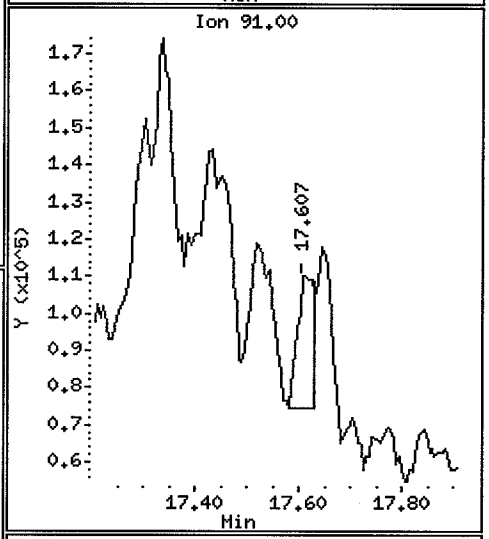
67 Butylbenzylphthalate

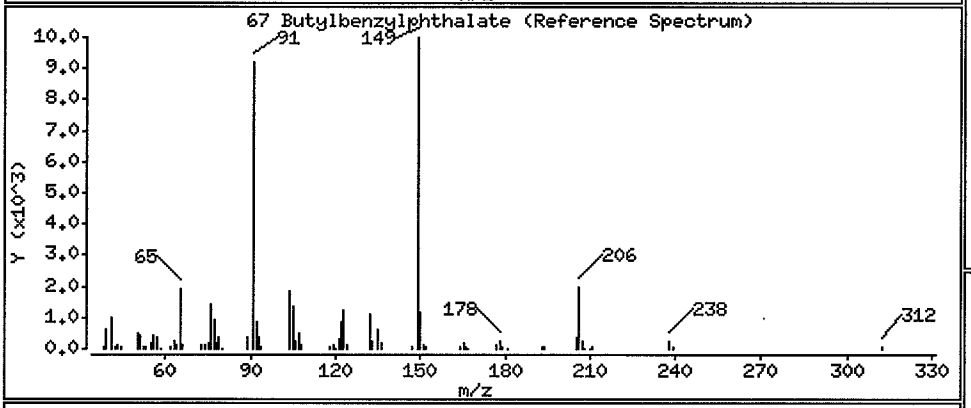
Concentration: 17.93 ug/Kg

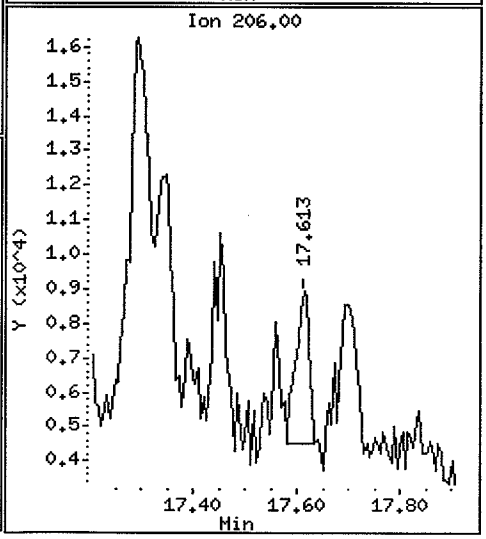


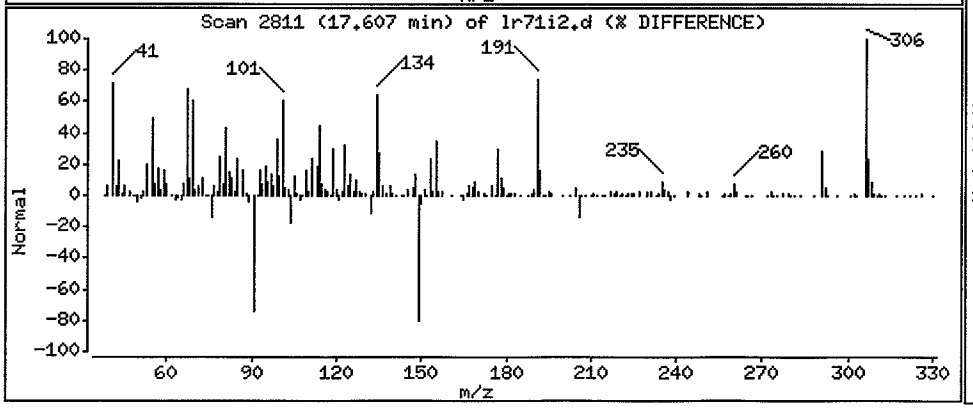












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-06**
Page 1 of 2 **SAMPLE**

Lab Sample ID: LR71J
LIMS ID: 07-20775
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 20:18
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: 22.1%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**38**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.8	< 9.8 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.8	< 9.8 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**24**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**46**
129-00-0	**Pyrene**	**20**	**30**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-06**
 SAMPLE

Lab Sample ID: LR71J
LIMS ID: 07-20775
Matrix: Sediment
Date Analyzed: 10/18/07 20:18

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	54.0%	2-Fluorobiphenyl	57.6%
d14-p-Terphenyl	60.4%	d4-1,2-Dichlorobenzene	48.0%
d5-Phenol	51.7%	2-Fluorophenol	64.3%
2,4,6-Tribromophenol	60.0%	d4-2-Chlorophenol	54.1%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071018.b/lr71j.d
Lab Smp Id: LR71J Client Smp ID: AN-SS-06
Inj Date : 18-OCT-2007 20:18
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71J
Misc Info : 07-20775
Comment : 1ul Injection
Method : /chem1/nt6.i/20071018.b/SW846.m
Meth Date : 25-Oct-2007 15:32 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 10/25/07

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	65.00000	Weight of sample extracted (g)
M	22.10000	% 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	5.972	5.917	(0.755)	359885	24.0516	475.0
$	2 Phenol-d5	99	7.511	7.488	(0.949)	371480	19.4346	383.8
	3 Phenol	94	7.532	7.504	(0.952)	12057	0.50898 LPL	10.05
$	5 2-Chlorophenol-d4	132	7.612	7.600	(0.962)	257834	20.2529	400.0
	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	7.911	7.904	(1.000)	203049	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	8.211	8.204	(1.038)	114750	12.0200	237.4
	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	8.686	8.674	(1.098)	27572	1.93364	38.19
$	18 Nitrobenzene-d5	82	8.846	8.845	(0.887)	262583	13.4606	265.8
	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	9.973	9.961	(1.000)	607154	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	11.784	11.777	(0.917)	363052	14.4313	285.0
	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	12.853	12.841	(1.000)	323111	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	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	Compound Not Detected.					
	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	14.151	14.139	(1.101)	70423	22.4645	443.7
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	15.235	15.223	(1.000)	496959	20.0000	
	60 Phenanthrene	178	15.273	15.261	(1.002)	38232	1.19905	23.68
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	63 Di-n-butylphthalate	149	Compound Not Detected.					
	64 Fluoranthene	202	17.217	17.205	(1.130)	85736	2.35131	46.44
	65 Pyrene	202	17.570	17.563	(0.898)	73696	1.50619	29.75
$	66 Terphenyl-d14	244	17.901	17.884	(0.915)	462250	15.0936	298.1
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	19.541	19.529	(0.999)	33677	0.63092 LOL	12.46
*	69 Chrysene-d12	240	19.568	19.556	(1.000)	681258	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	19.605	19.598	(1.002)	35854	0.74746 LOL	14.76
	72 bis(2-Ethylhexyl)phthalate	149	19.792	19.785	(0.955)	19485	0.66884	13.21(M)
*	134 Di-n-octylphthalate-d4	153	20.733	20.720	(1.000)	963453	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	21.203	21.190	(0.975)	24252	0.63167 LOL	12.47
	75 Benzo(k)fluoranthene	252	21.229	21.228	(0.977)	29119	0.71697	14.16(M)
	76 Benzo(a)pyrene	252	21.651	21.639	(0.996)	21332	0.60526	11.95(M)
*	77 Perylene-d12	264	21.737	21.719	(1.000)	534656	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					
	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: lr71j.d
Lab Smp Id: LR71J
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20775

Calibration Date: 18-OCT-2007
Calibration Time: 10:07
Client Smp ID: AN-SS-06
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	203049	-4.26
27 Naphthalene-d8	656578	328289	1313156	607154	-7.53
42 Acenaphthene-d10	353705	176852	707410	323111	-8.65
59 Phenanthrene-d10	526440	263220	1052880	496959	-5.60
69 Chrysene-d12	581923	290962	1163846	681258	17.07
134 Di-n-octylphthala	979097	489548	1958194	963453	-1.60
77 Perylene-d12	686531	343266	1373062	534656	-22.12

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.90	7.40	8.40	7.91	0.09
27 Naphthalene-d8	9.96	9.46	10.46	9.97	0.12
42 Acenaphthene-d10	12.84	12.34	13.34	12.85	0.10
59 Phenanthrene-d10	15.22	14.72	15.72	15.24	0.08
69 Chrysene-d12	19.56	19.06	20.06	19.57	0.06
134 Di-n-octylphthala	20.72	20.22	21.22	20.73	0.06
77 Perylene-d12	21.72	21.22	22.22	21.74	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

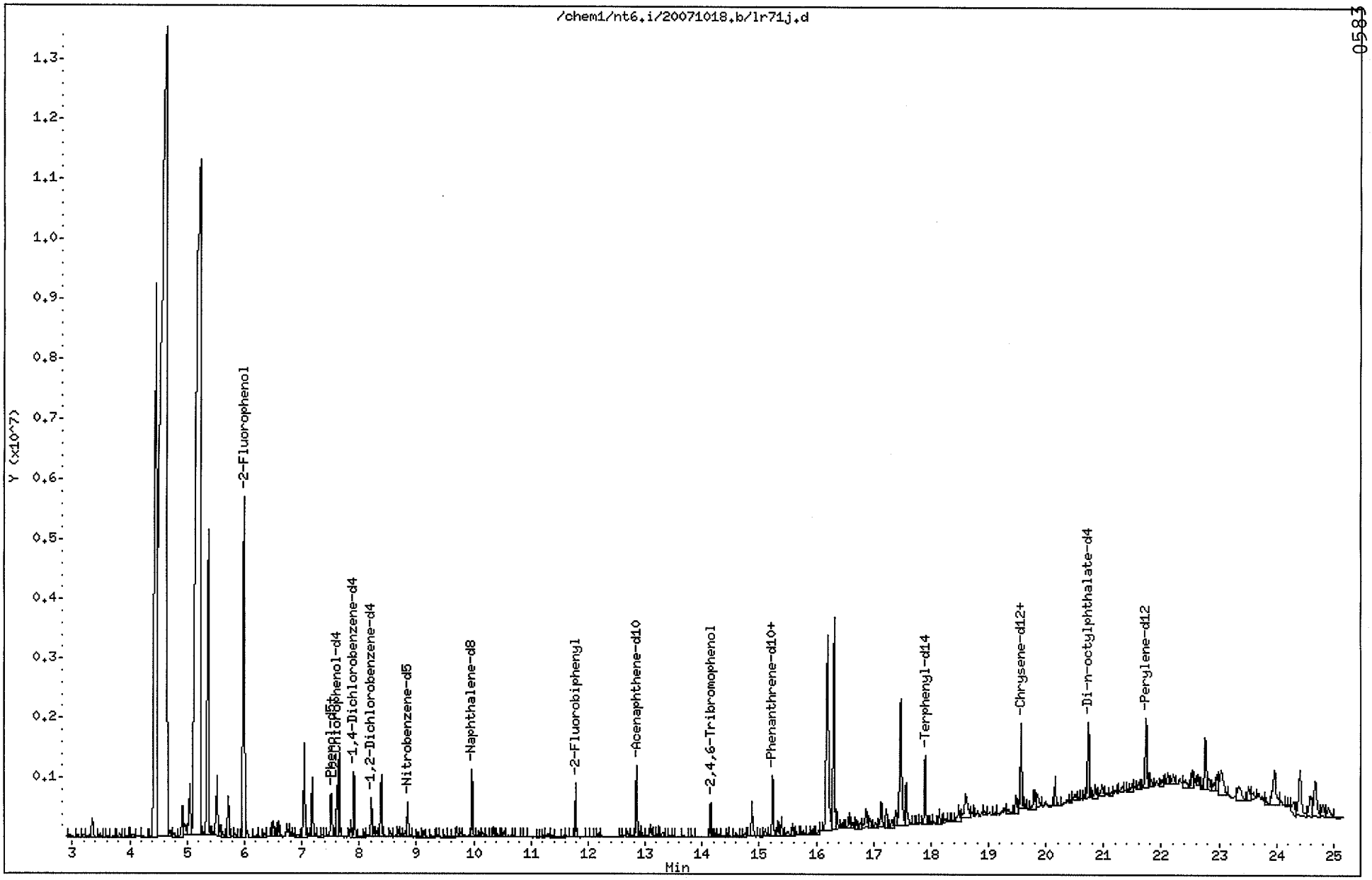
Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71J
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20775

Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-06
Operator: LJR/VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	740.6	475.0	64.14	11-84
$ 2 Phenol-d5	740.6	383.8	51.83	25-86
$ 5 2-Chlorophenol-d4	740.6	400.0	54.01	23-91
$ 10 1,2-Dichlorobenzen	493.7	237.4	48.08	24-90
$ 18 Nitrobenzene-d5	493.7	265.8	53.84	26-88
$ 36 2-Fluorobiphenyl	493.7	285.0	57.73	34-91
$ 55 2,4,6-Tribromophen	740.6	443.7	59.91	25-107
$ 66 Terphenyl-d14	493.7	298.1	60.37	22-100

Data File: /chem1/nt6.i/20071018.b/lr71j.d
Date : 18-OCT-2007 20:18
Client ID: AN-SS-06
Sample Info: LR71J
Volume Injected (uL): 1.0
Column phase: ZB-5

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



Data File: /chem1/nt6.i/20071018.b/lr71j.d

Date : 18-OCT-2007 20:18

Client ID: AN-SS-06

Instrument: nt6.i

Sample Info: LR71J

Volume Injected (uL): 1.0

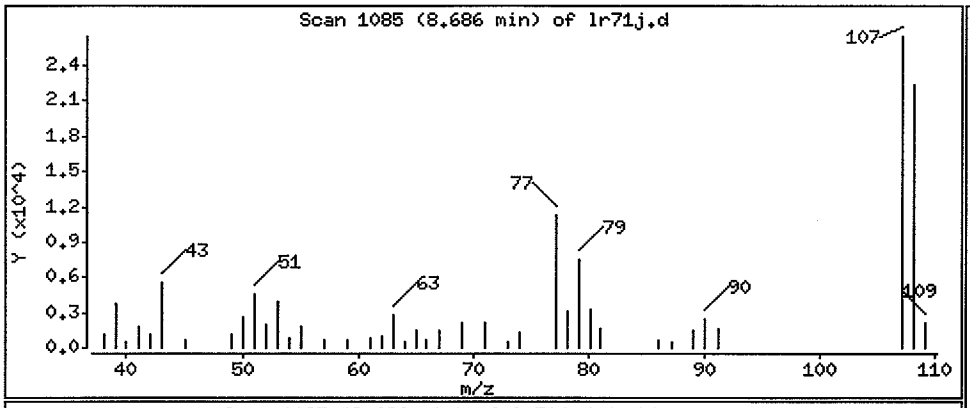
Operator: LJR/VTS

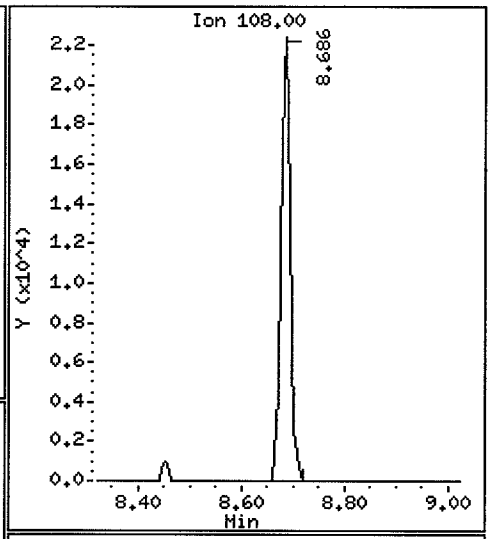
Column phase: ZB-5

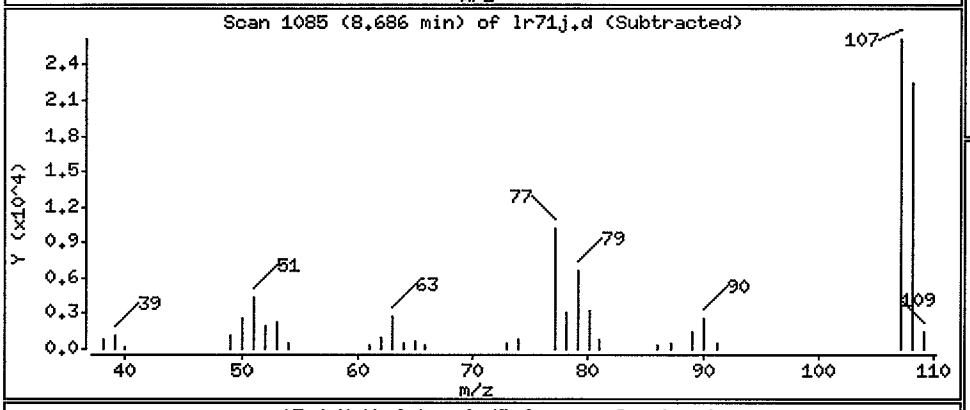
Column diameter: 0.32

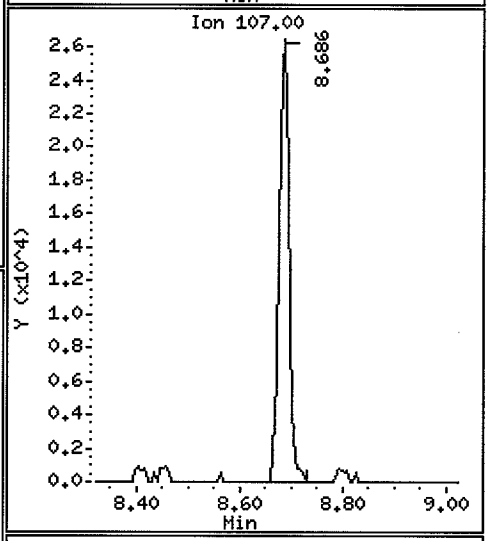
15 4-Methylphenol

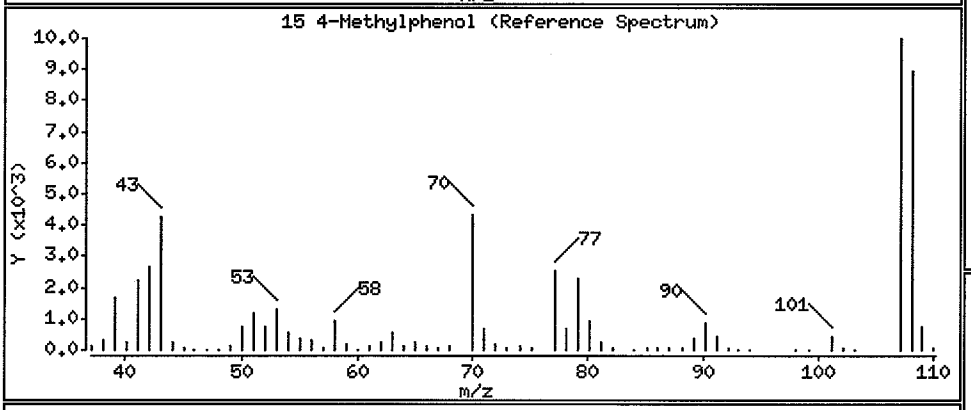
Concentration: 38.19 ug/kg

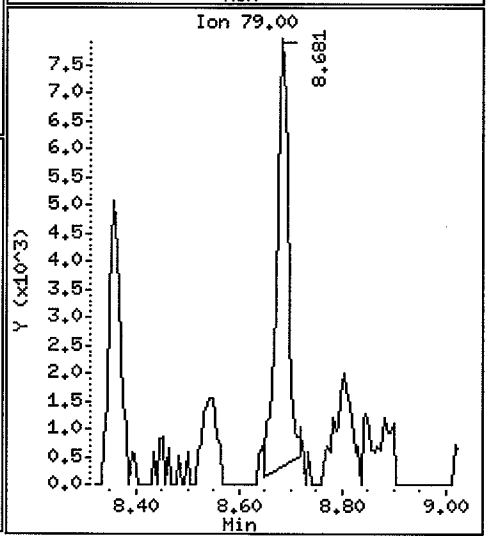


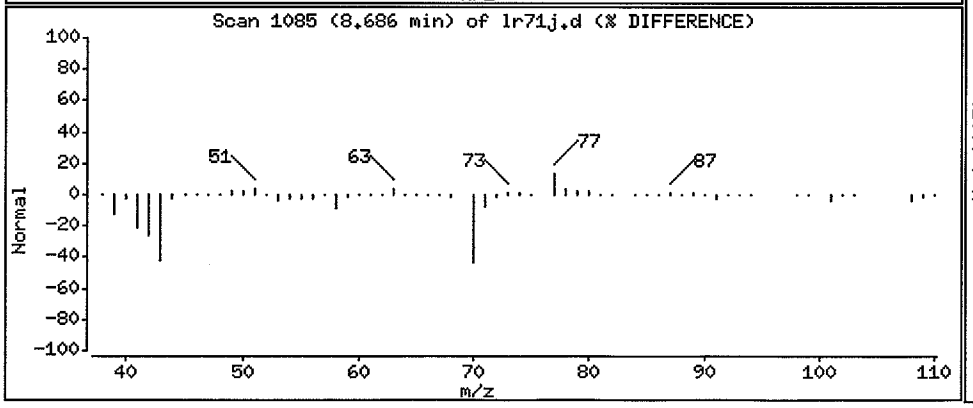












Data File: /chem1/nt6.i/20071018.b/lr71j.d

Date : 18-OCT-2007 20:18

Client ID: AN-SS-06

Instrument: nt6.i

Sample Info: LR71J

Volume Injected (uL): 1.0

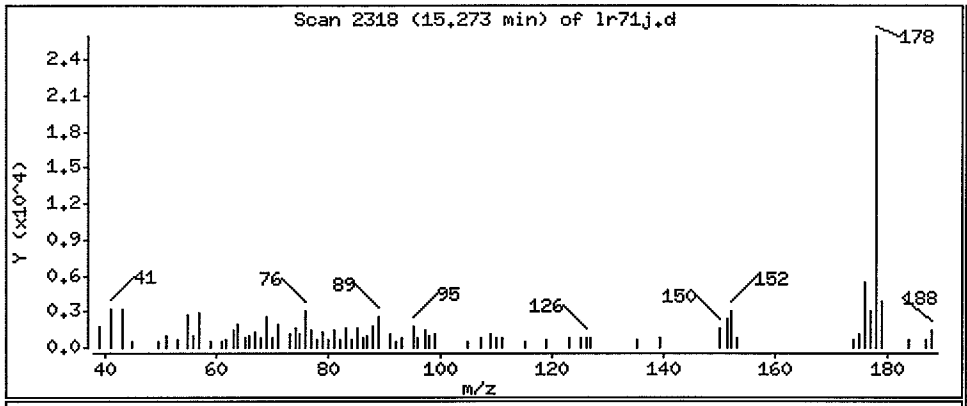
Operator: LJR/VTS

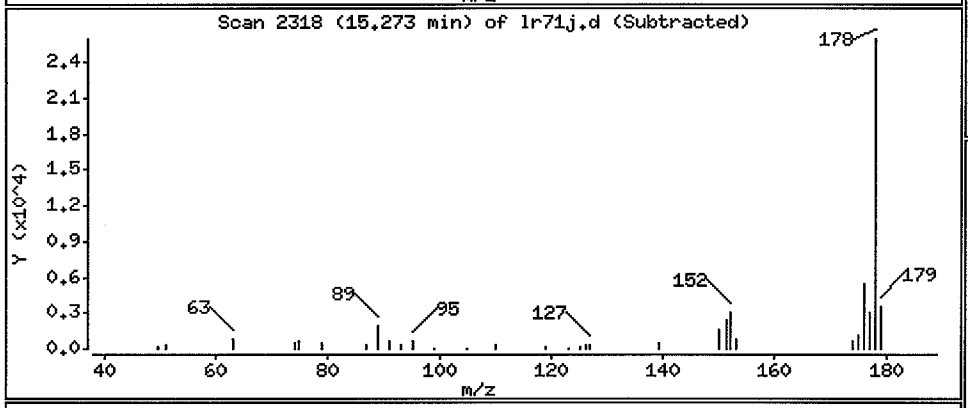
Column phase: ZB-5

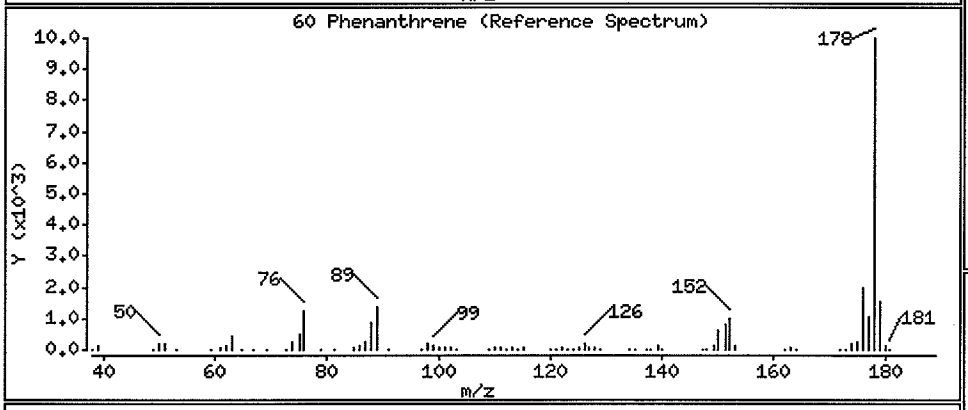
Column diameter: 0.32

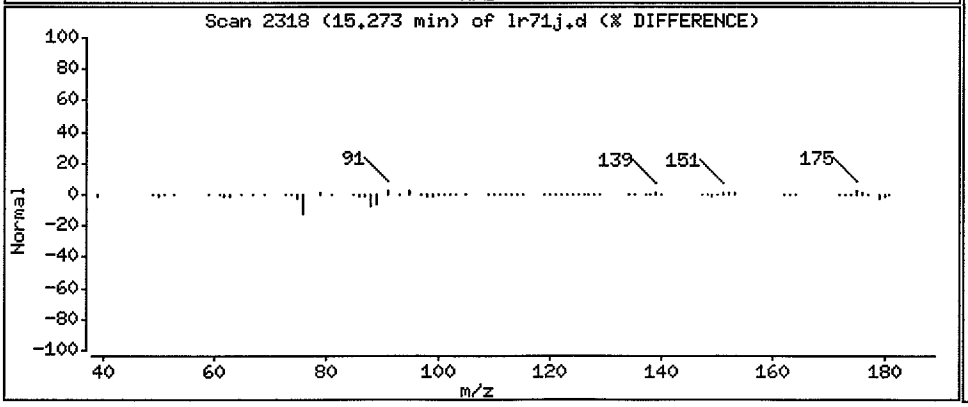
60 Phenanthrene

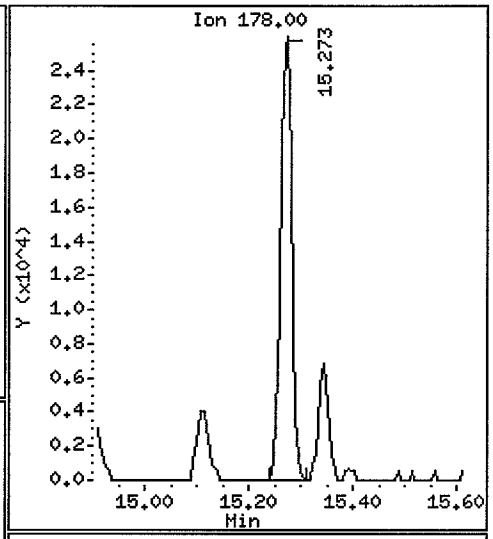
Concentration: 23.68 ug/kg

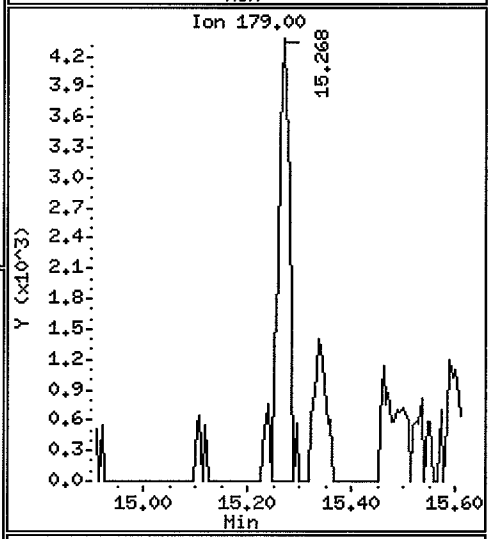


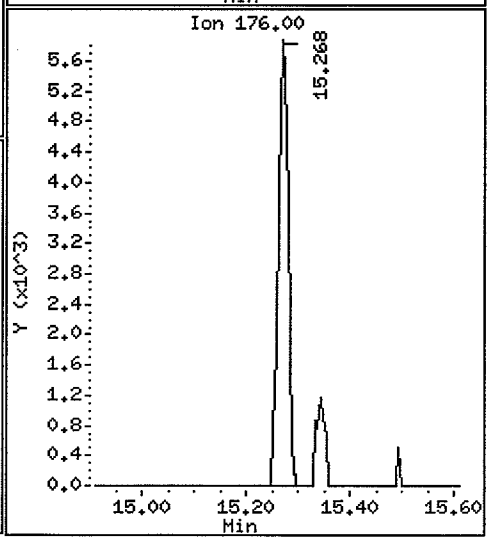












Data File: /chem1/nt6.i/20071018.b/lr71j.d

Date : 18-OCT-2007 20:18

Client ID: AN-SS-06

Instrument: nt6.i

Sample Info: LR71J

Volume Injected (uL): 1.0

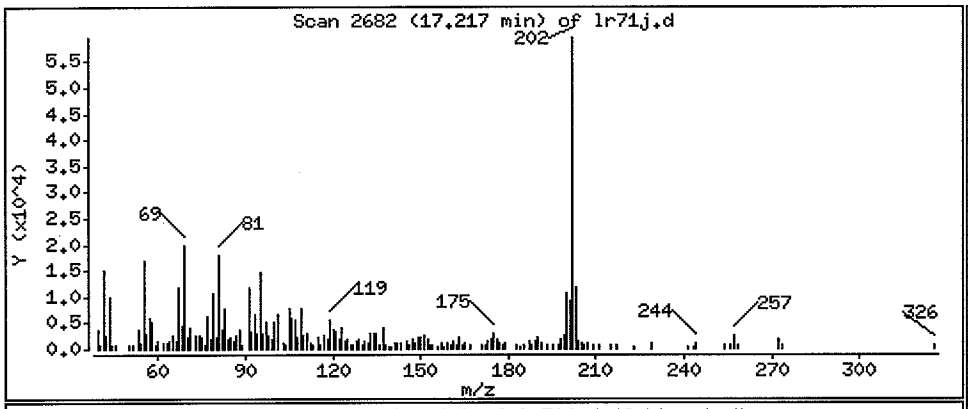
Operator: LJR/VTS

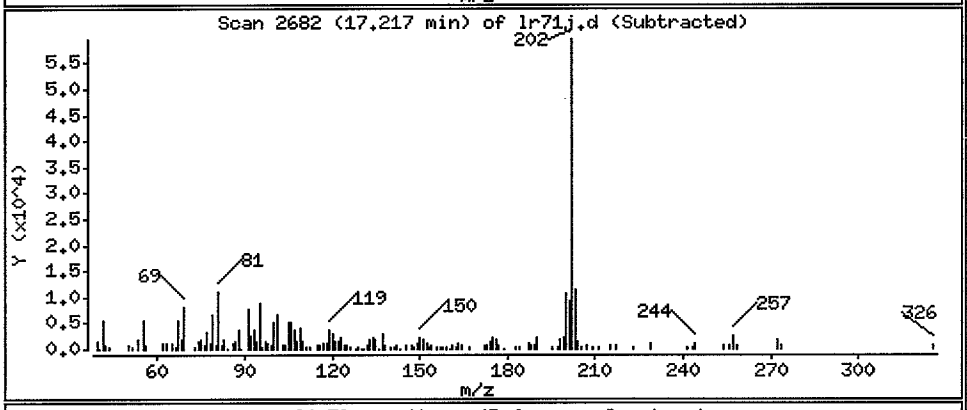
Column phase: ZB-5

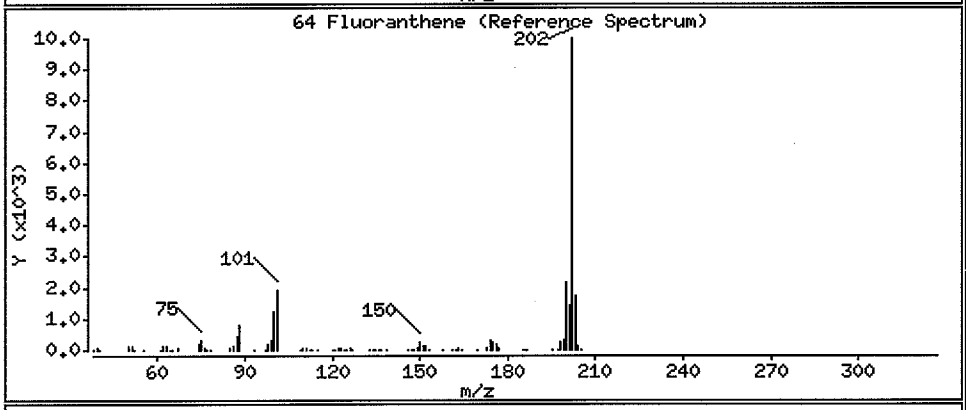
Column diameter: 0.32

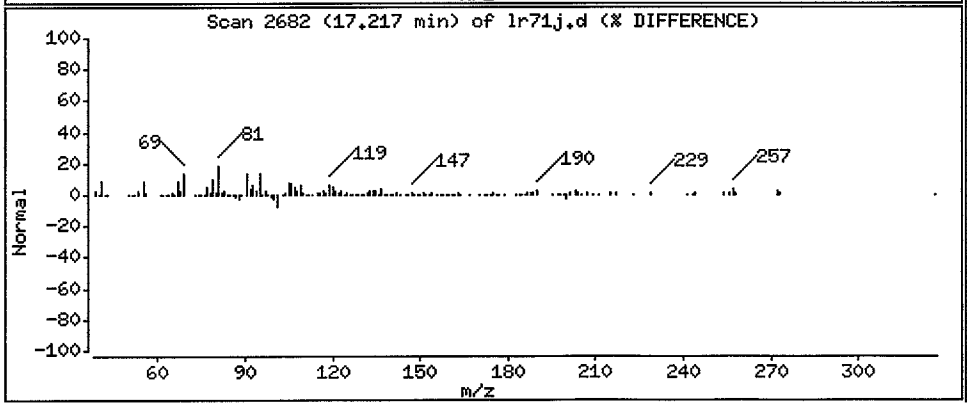
64 Fluoranthene

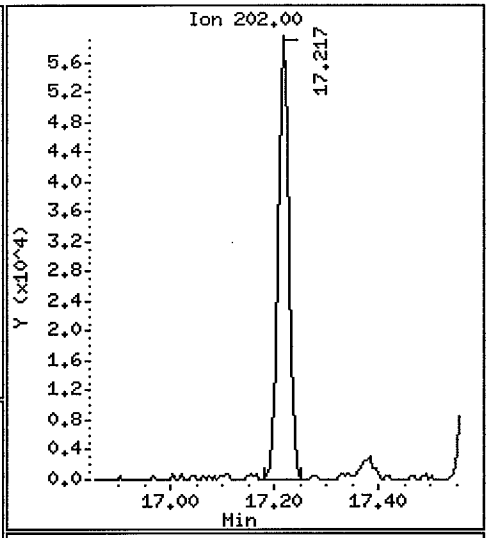
Concentration: 46.44 ug/kg

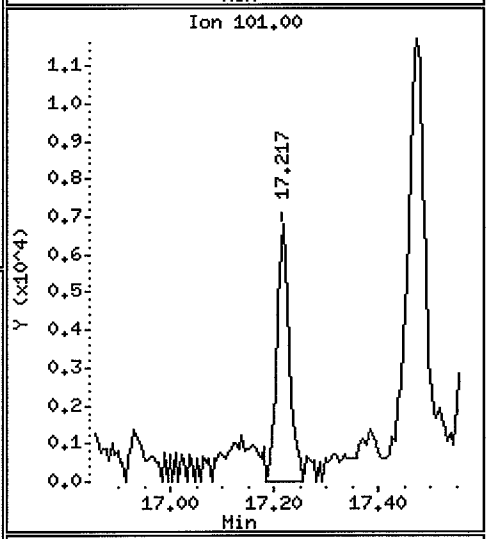


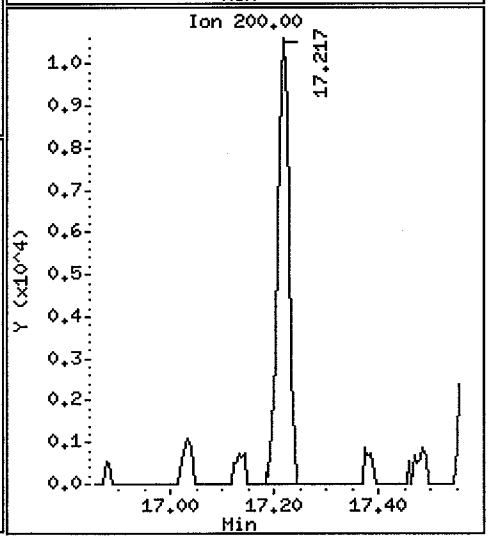












Data File: /chem1/nt6.i/20071018.b/lr71j.d

Date : 18-OCT-2007 20:18

Client ID: AN-SS-06

Instrument: nt6.i

Sample Info: LR71J

Volume Injected (uL): 1.0

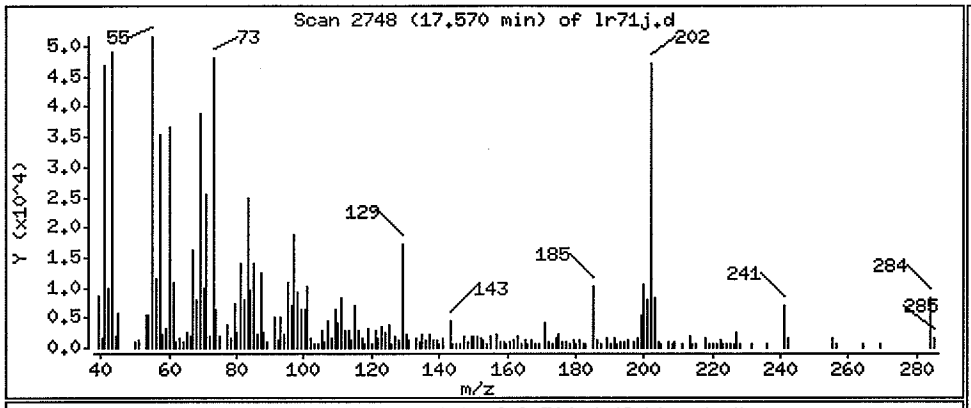
Operator: LJR/VTS

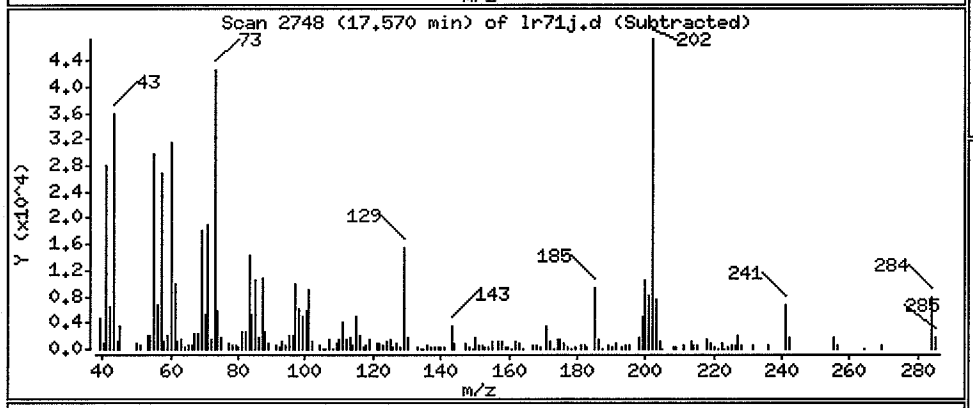
Column phase: ZB-5

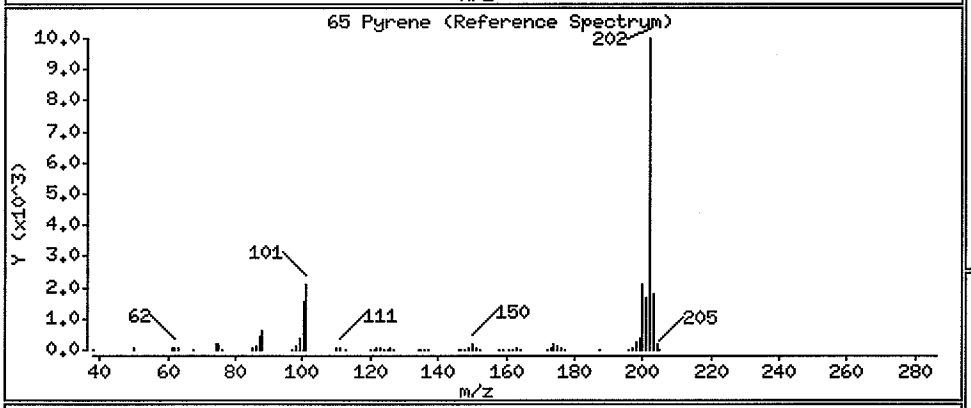
Column diameter: 0.32

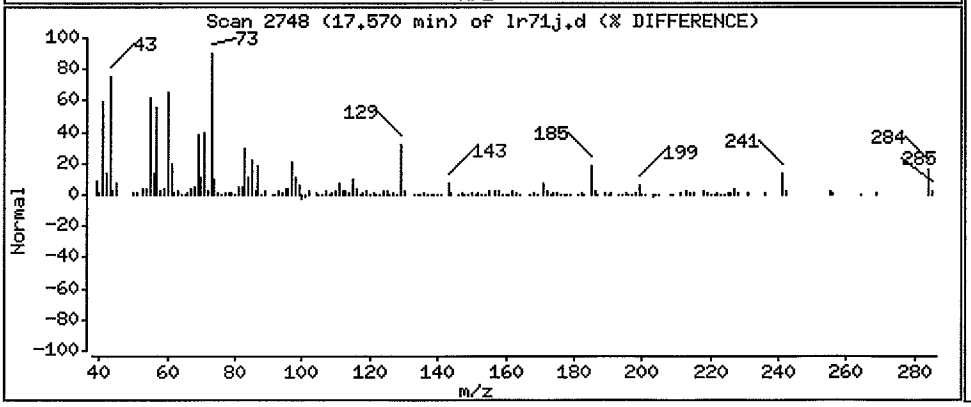
65 Pyrene

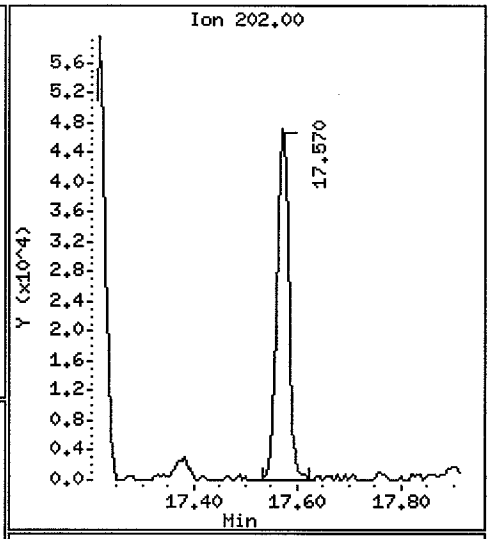
Concentration: 29.75 ug/kg

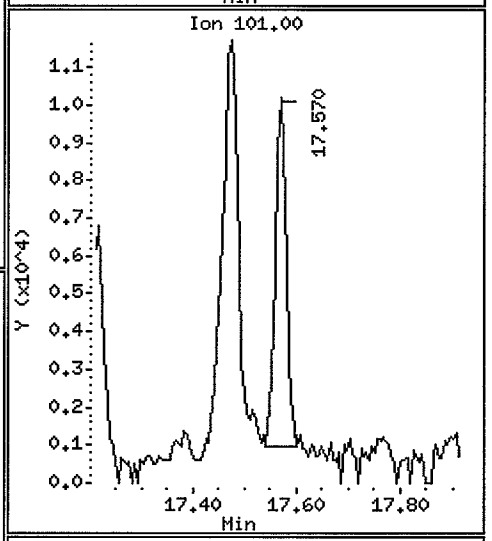


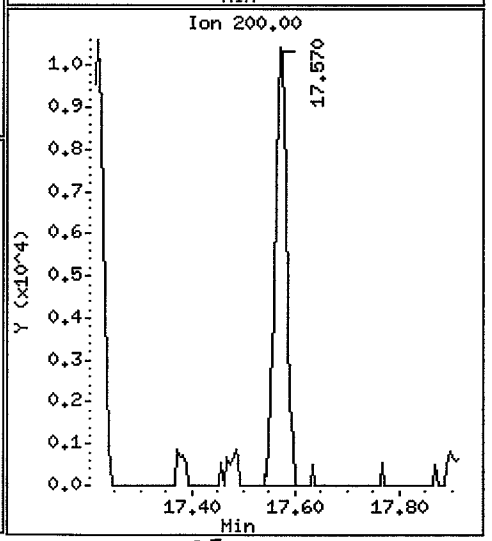












Data File: /chem1/nt6.i/20071018.b/lr71j.d

Date : 18-OCT-2007 20:18

Client ID: AN-SS-06

Instrument: nt6.i

Sample Info: LR71J

Volume Injected (uL): 1.0

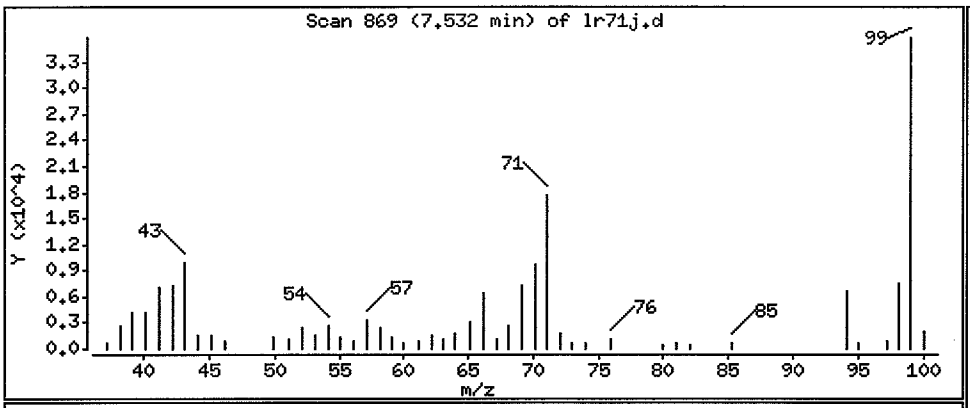
Operator: LJR/VTS

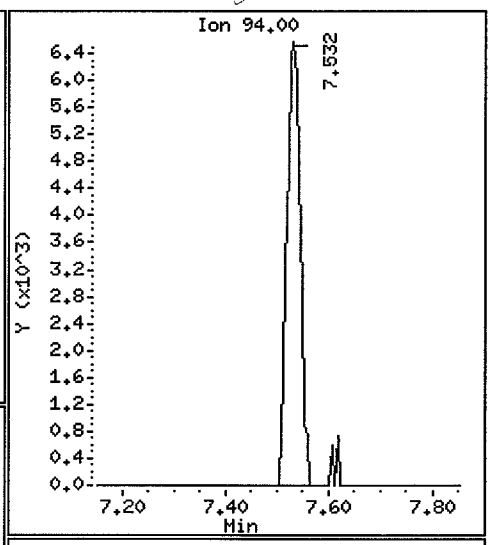
Column phase: ZB-5

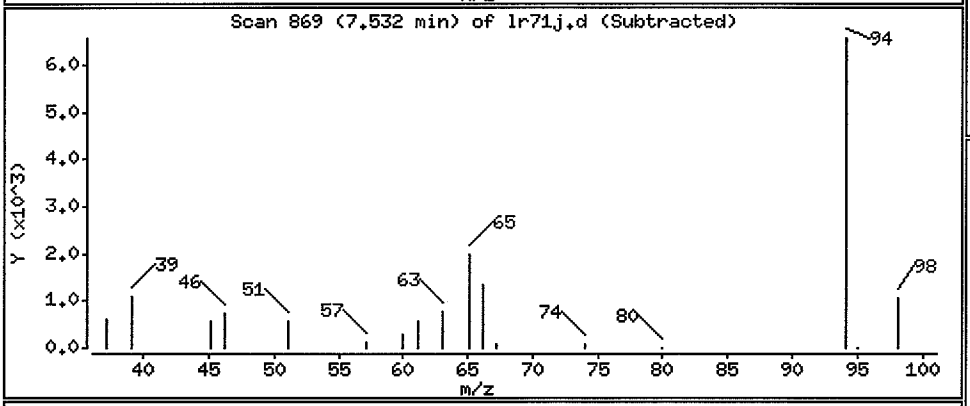
Column diameter: 0.32

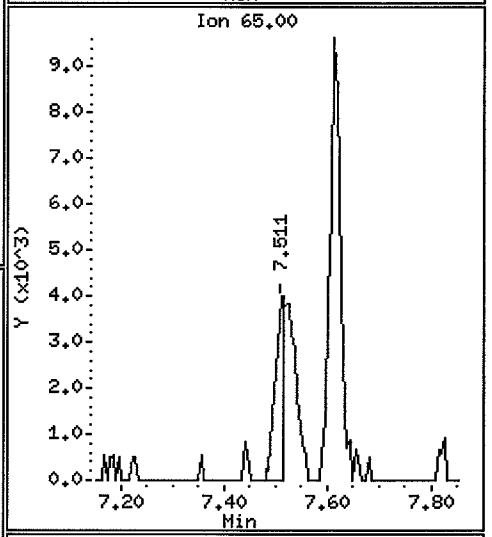
3 Phenol

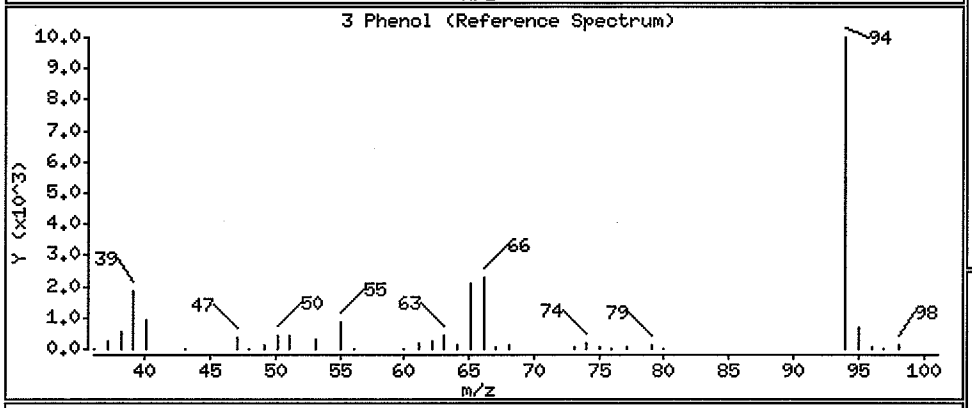
Concentration: 10.05 ug/kg

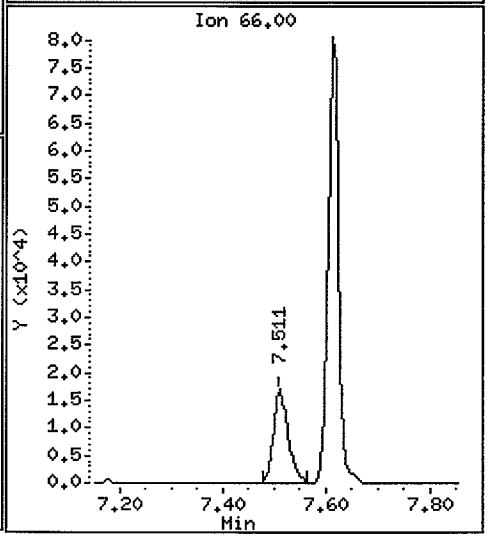


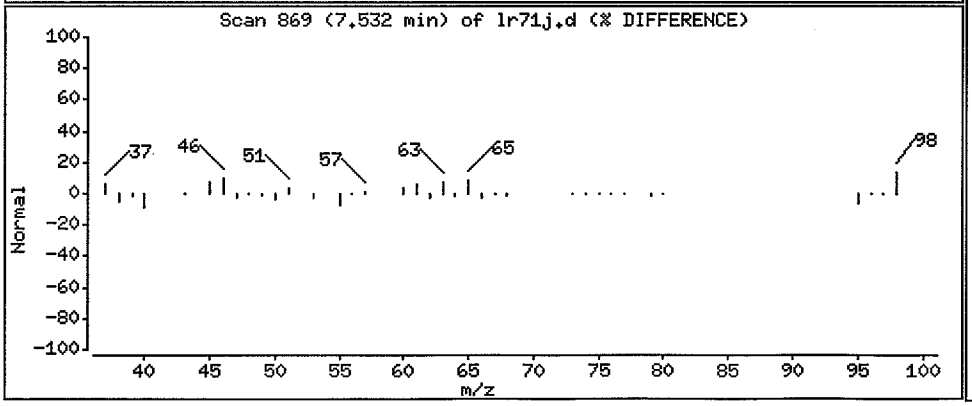












Data File: /chem1/nt6.i/20071018.b/lr71j.d

Date : 18-OCT-2007 20:18

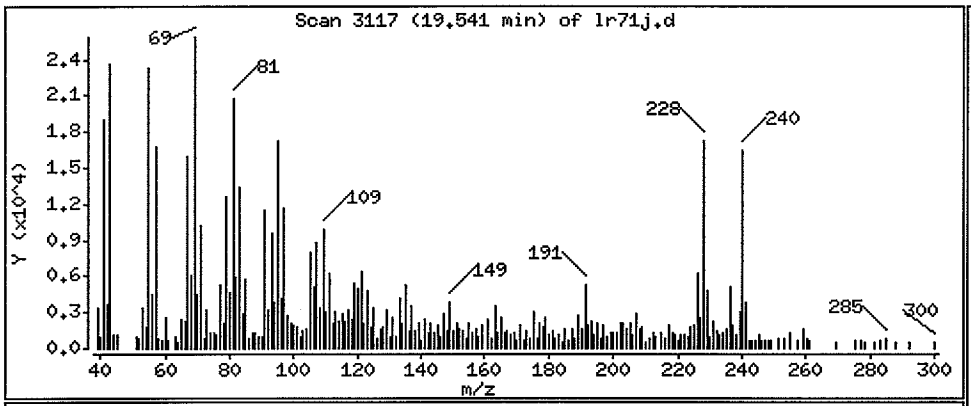
Client ID: AN-SS-06 Instrument: nt6.i

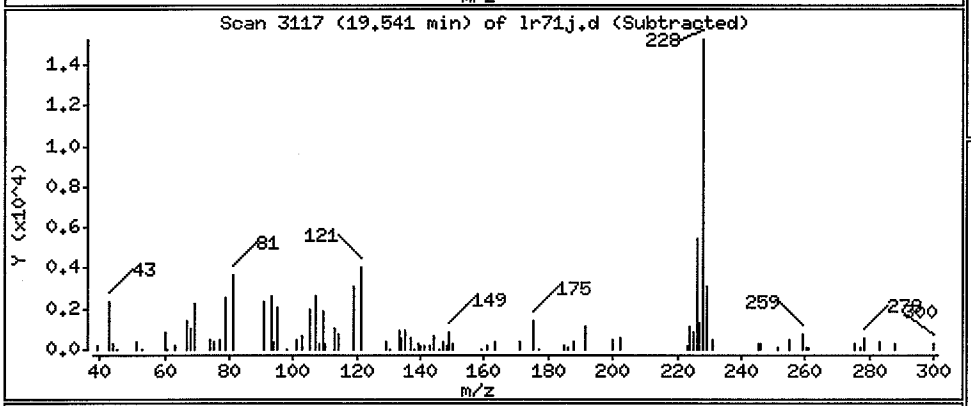
Sample Info: LR71J

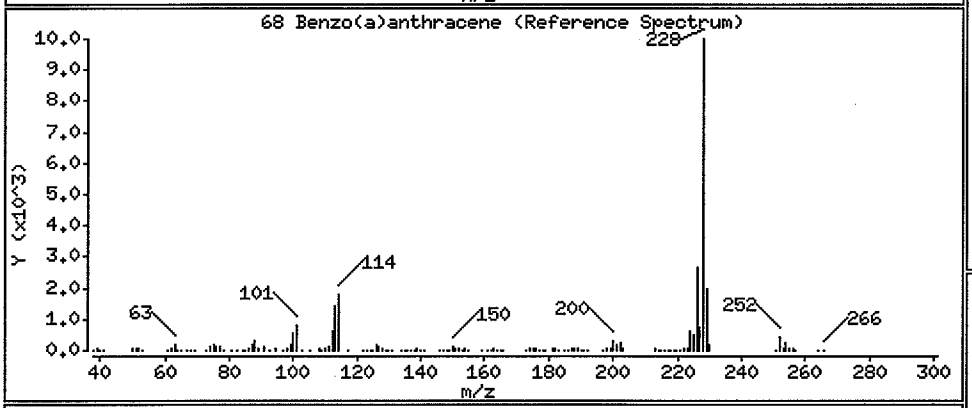
Volume Injected (uL): 1.0 Operator: LJR/VTS

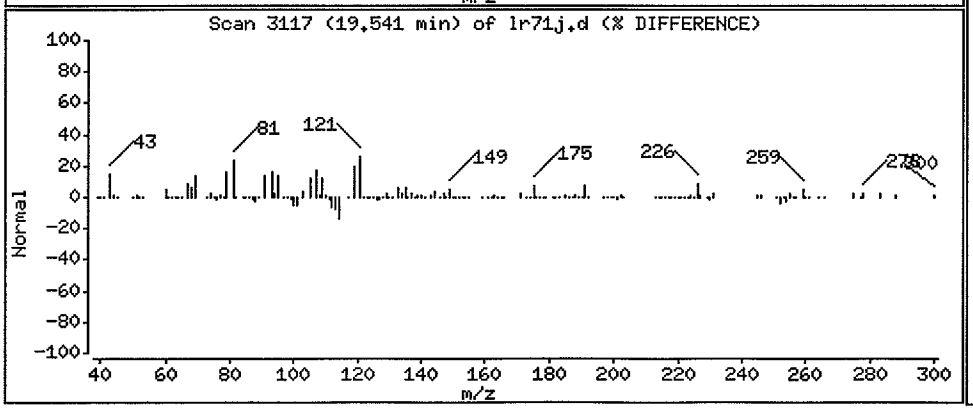
Column phase: ZB-5 Column diameter: 0.32

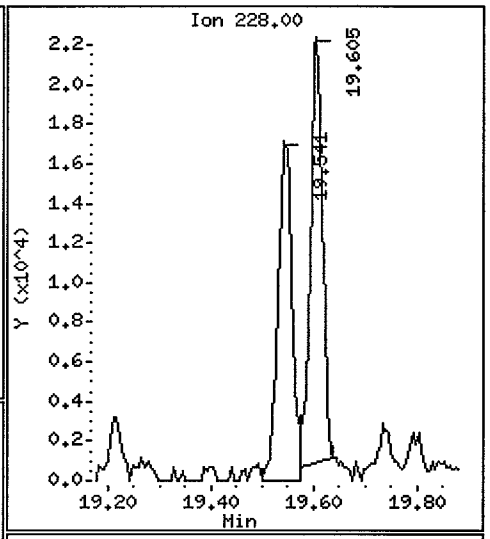
68 Benzo(a)anthracene Concentration: 12.46 ug/kg

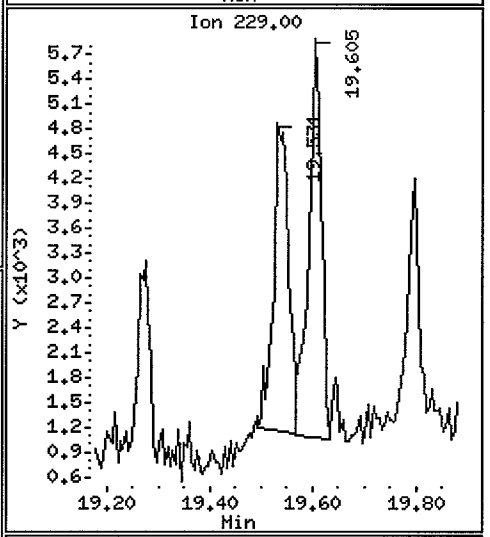


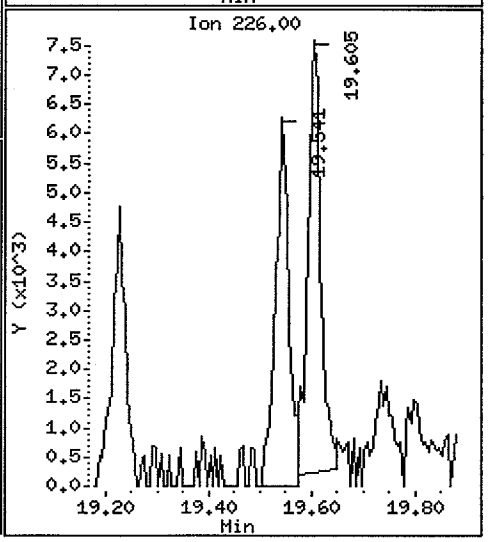












Data File: /chem1/nt6.i/20071018.b/lr71j.d

Date : 18-OCT-2007 20:18

Client ID: AN-SS-06

Instrument: nt6.i

Sample Info: LR71J

Volume Injected (uL): 1.0

Operator: LJR/VTS

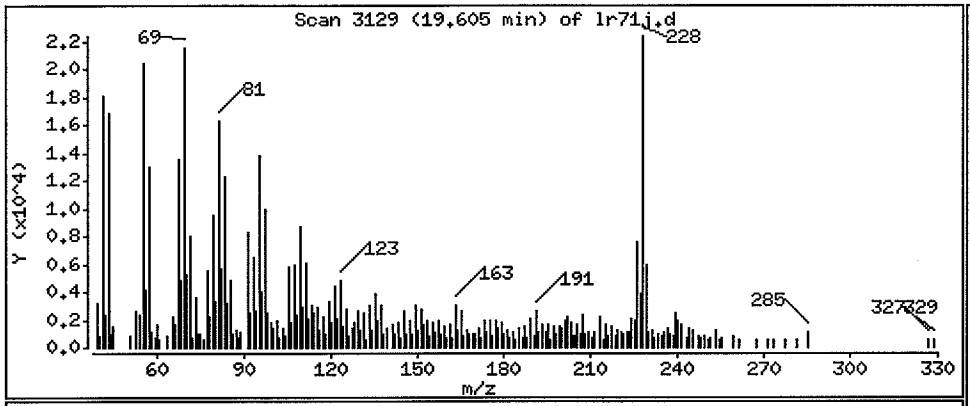
Column phase: ZB-5

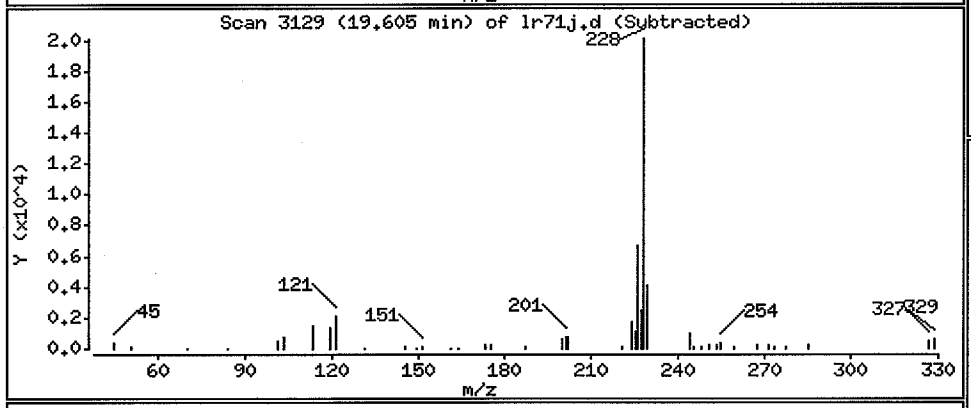
Column diameter: 0.32

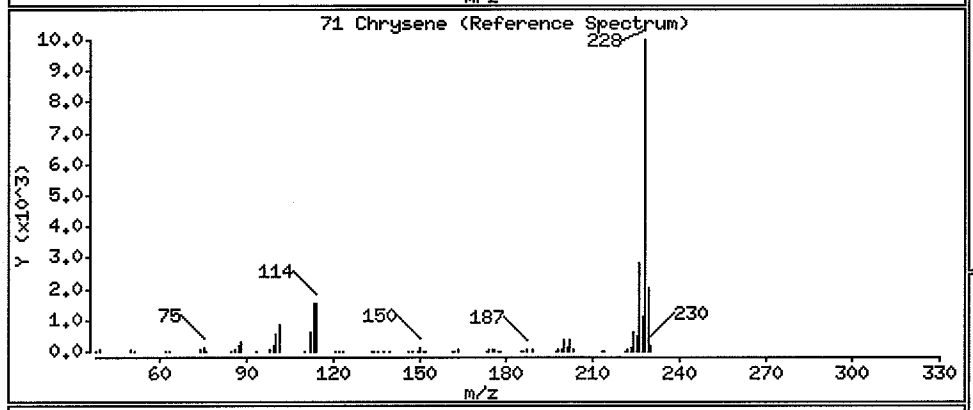
71 Chrysene

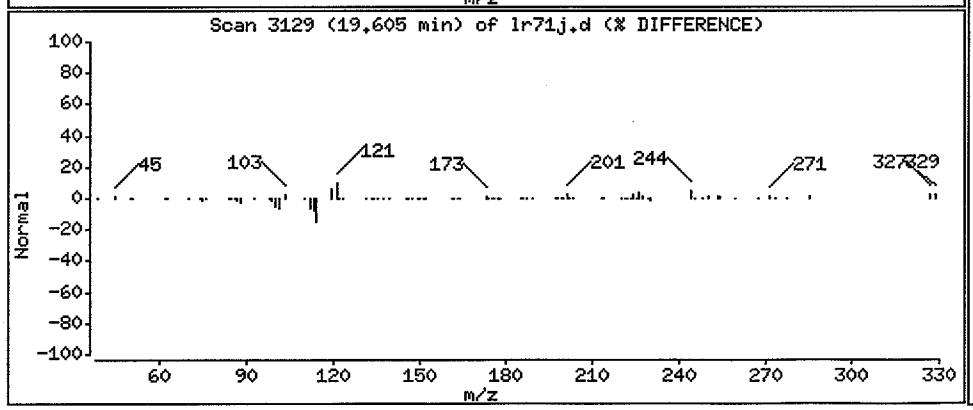
Concentration: 14.76 ug/kg

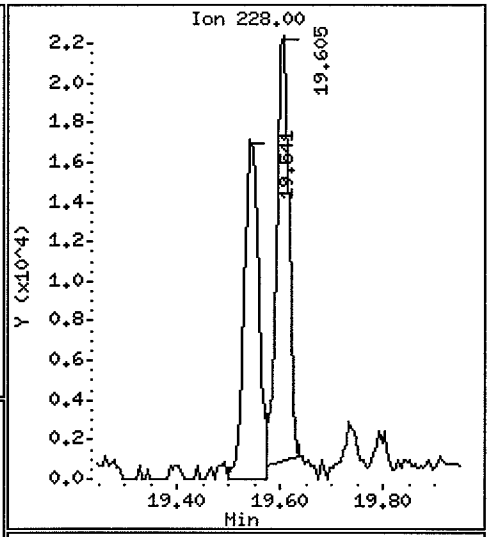
LRL

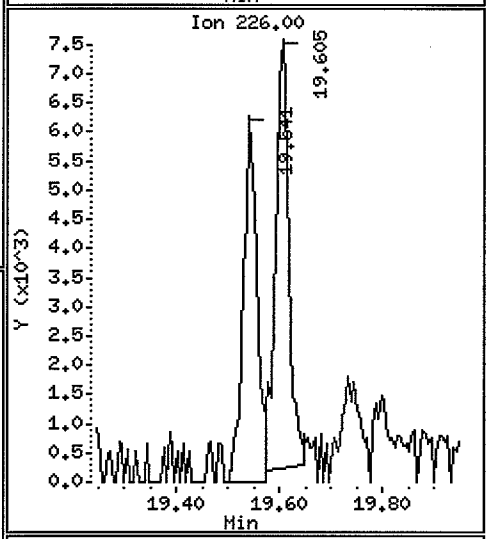


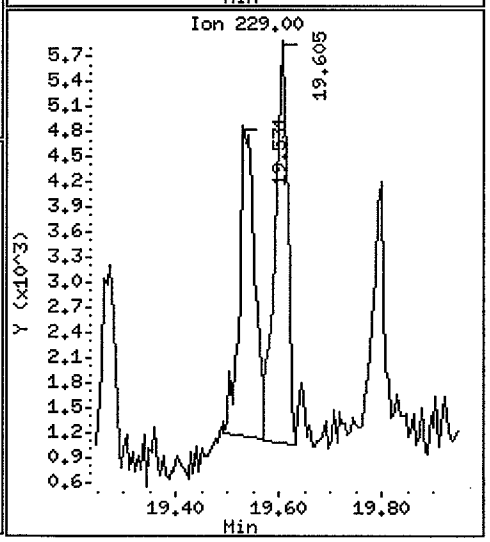












Data File: /chem1/nt6.i/20071018.b/lr71j.d

Date : 18-OCT-2007 20:18

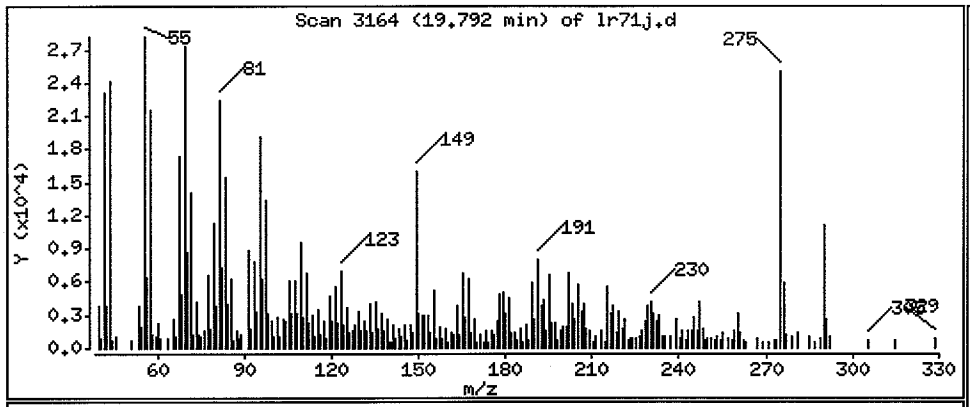
Client ID: AN-SS-06 Instrument: nt6.i

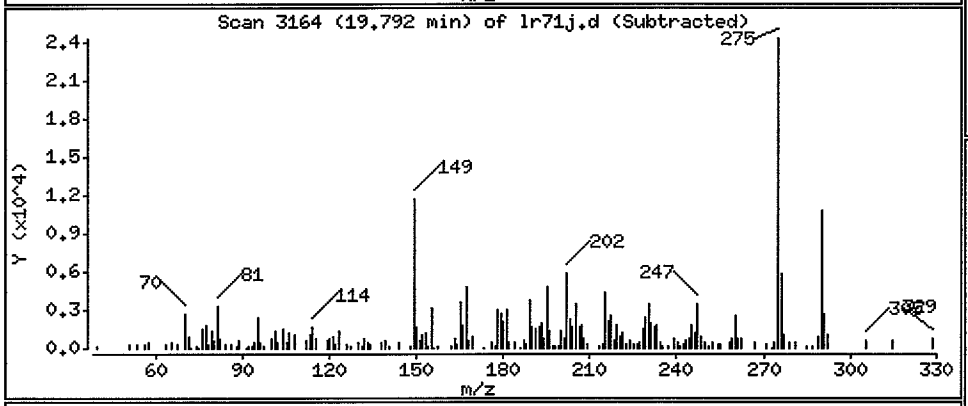
Sample Info: LR71J

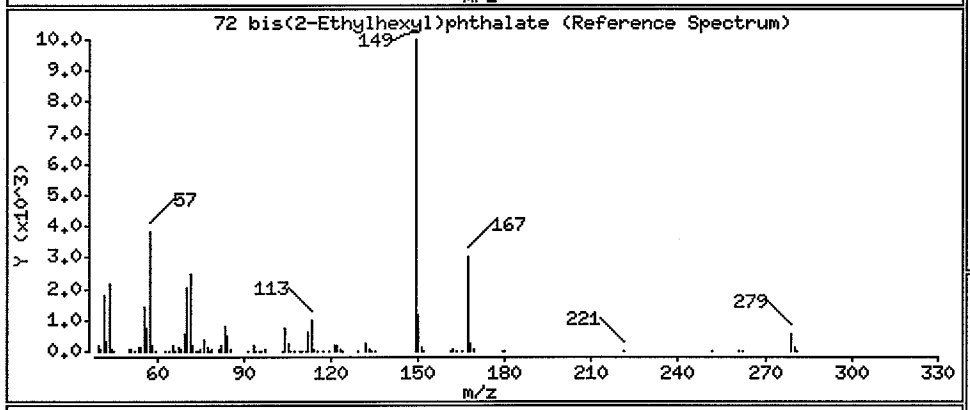
Volume Injected (uL): 1.0 Operator: LJR/VTS

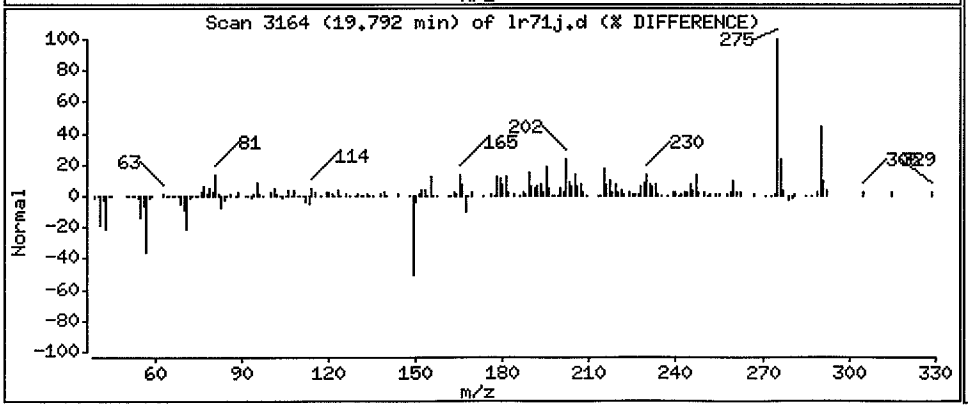
Column phase: ZB-5 Column diameter: 0.32

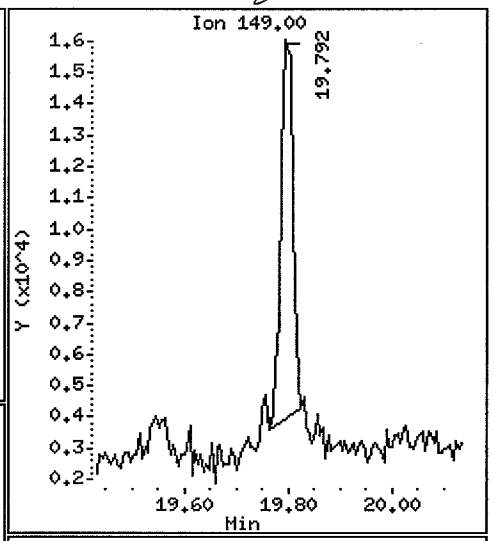
72 bis(2-Ethylhexyl)phthalate Concentration: 13.21 ug/kg

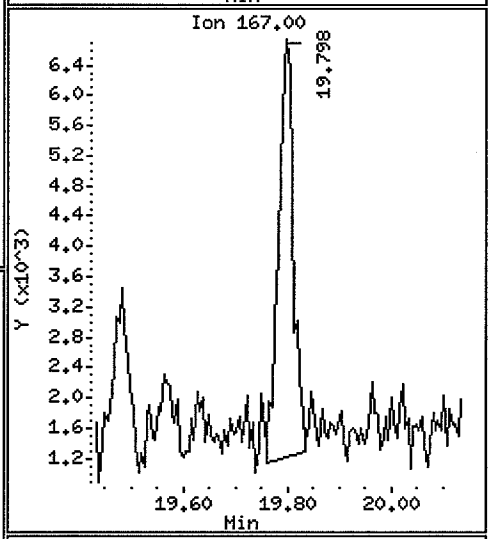


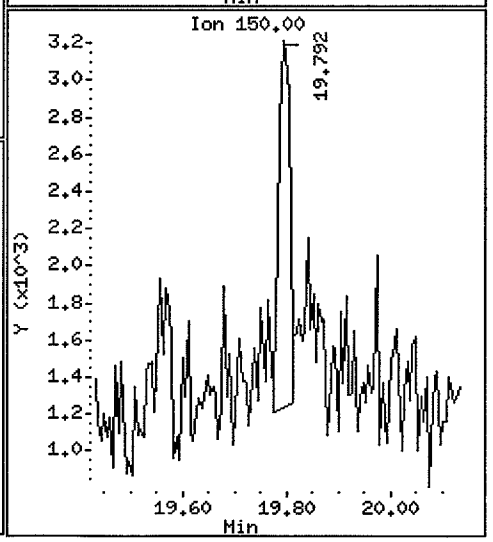












Data File: /chem1/nt6.i/20071018.b/lr71j.d

Date : 18-OCT-2007 20:18

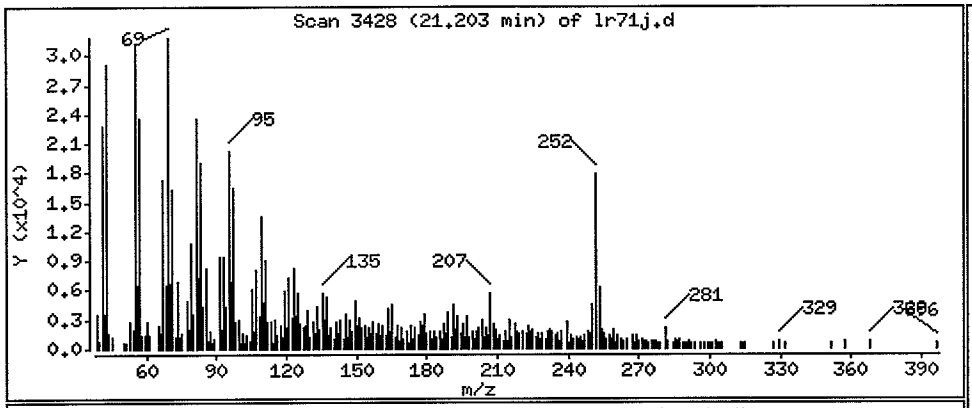
Client ID: AN-SS-06 Instrument: nt6.i

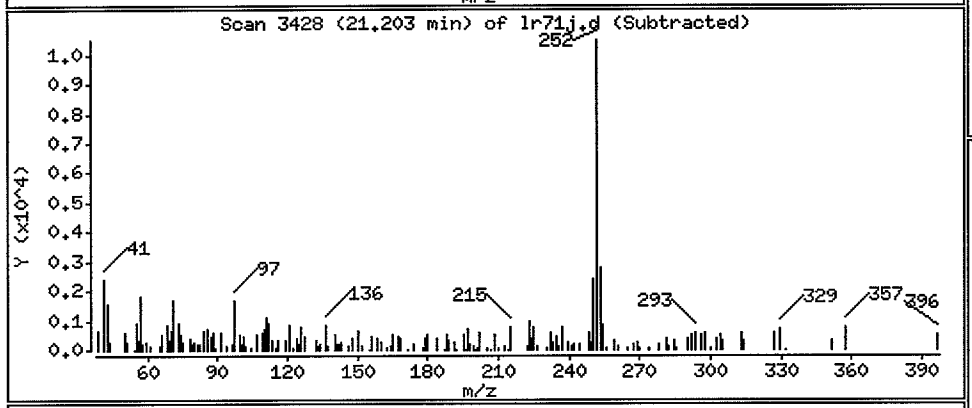
Sample Info: LR71J

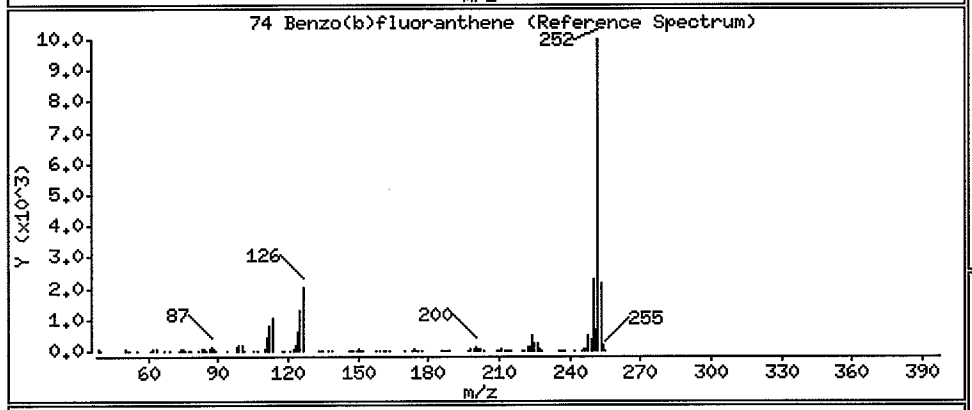
Volume Injected (uL): 1.0 Operator: LJR/VTS

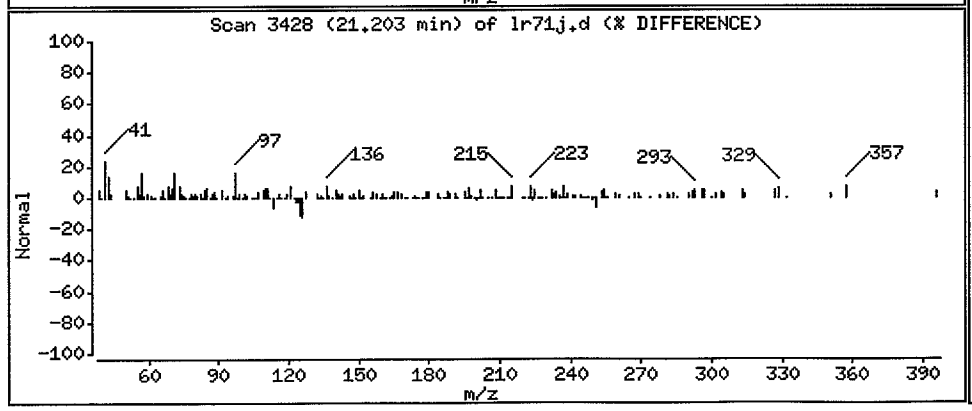
Column phase: ZB-5 Column diameter: 0.32

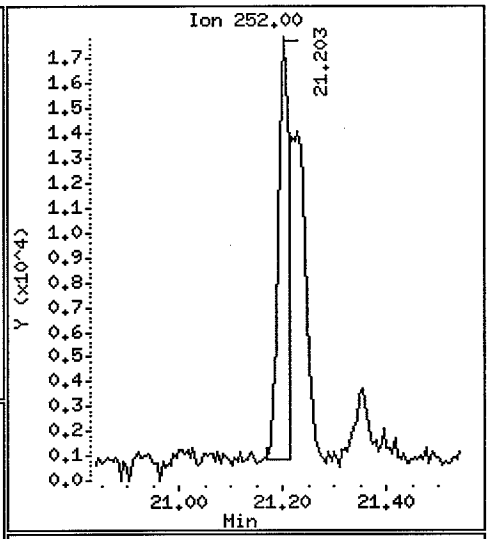
74 Benzo(b)fluoranthene Concentration: 12.47 ug/kg

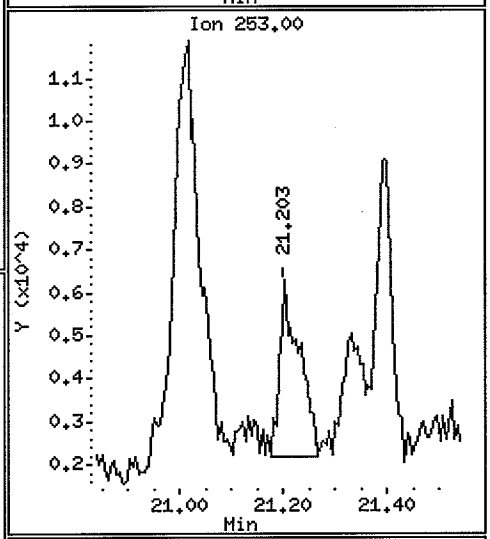


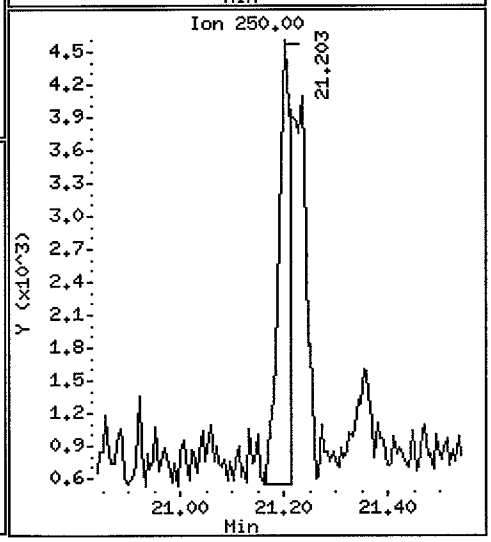












Data File: /chem1/nt6.i/20071018.b/lr71j.d

Date : 18-OCT-2007 20:18

Client ID: AN-SS-06 Instrument: nt6.i

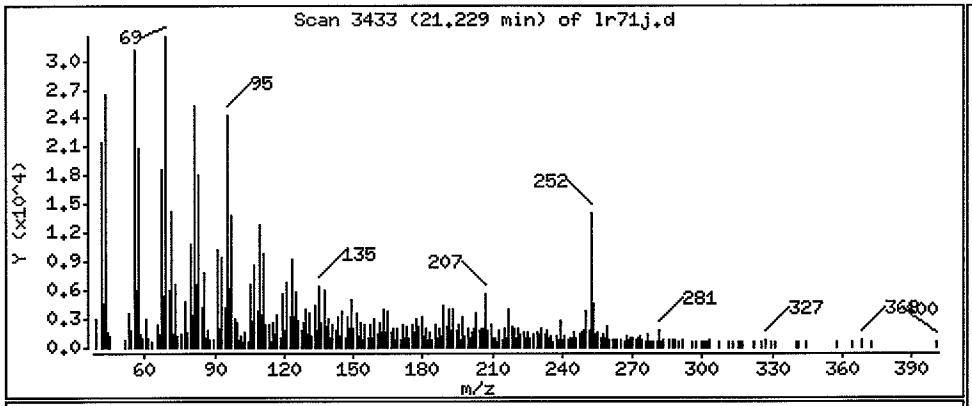
Sample Info: LR71J

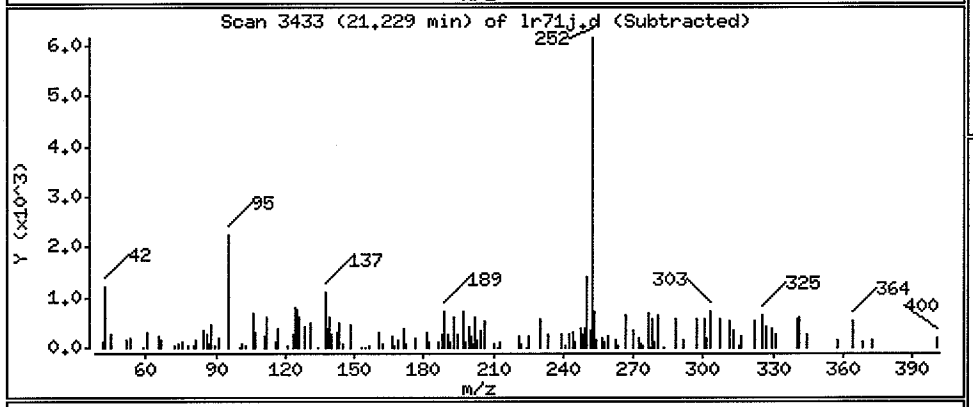
Volume Injected (uL): 1.0 Operator: LJR/VTS

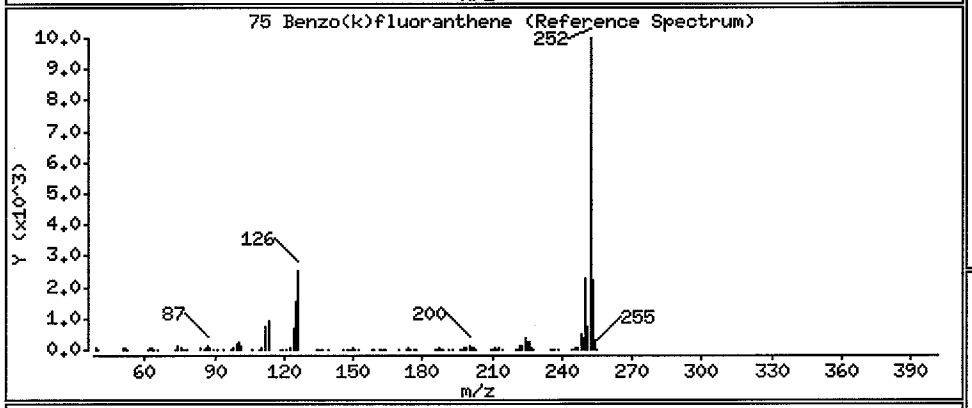
Column phase: ZB-5 Column diameter: 0.32

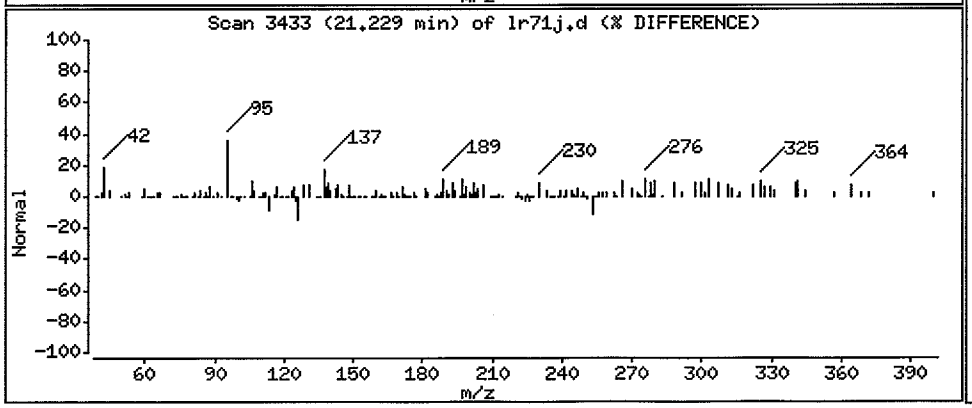
75 Benzo(k)fluoranthene Concentration: 14.16 ug/kg

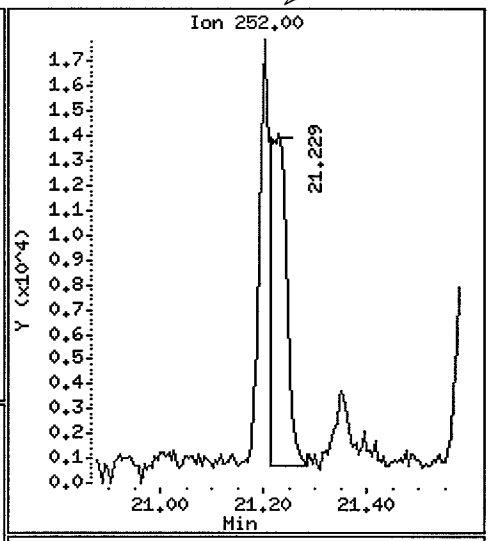
LRC

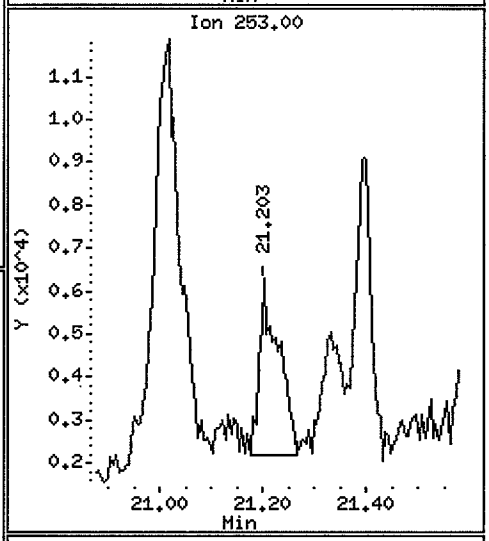


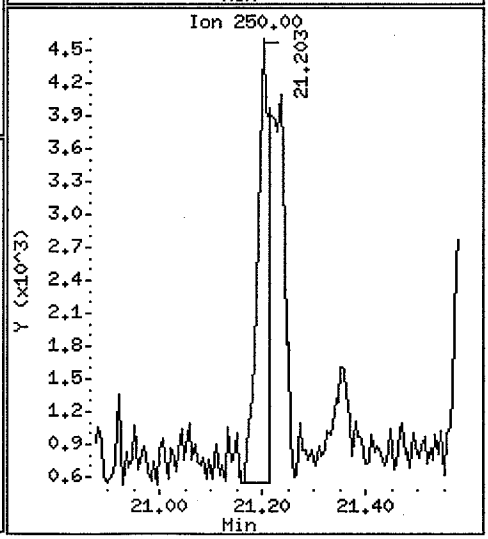












Data File: /chem1/nt6.i/20071018.b/lr71j.d

Date : 18-OCT-2007 20:18

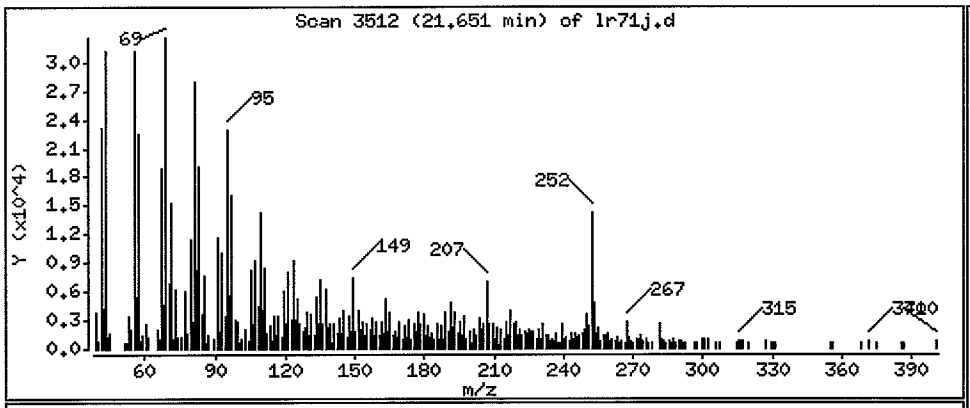
Client ID: AN-SS-06 Instrument: nt6.i

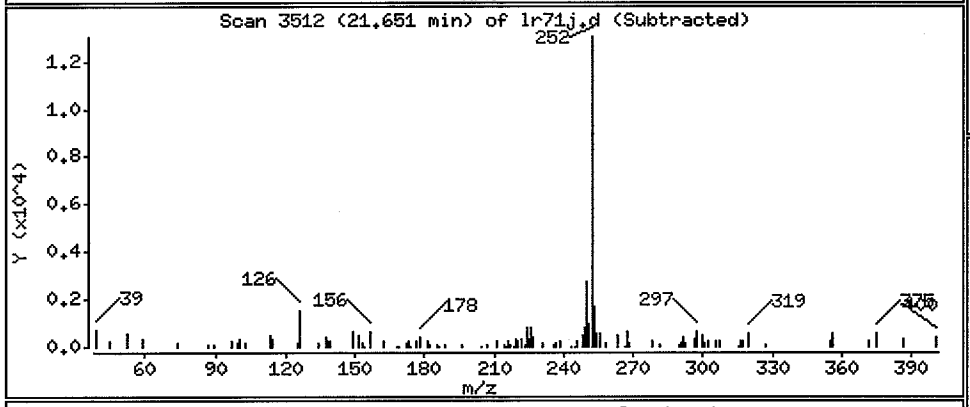
Sample Info: LR71J

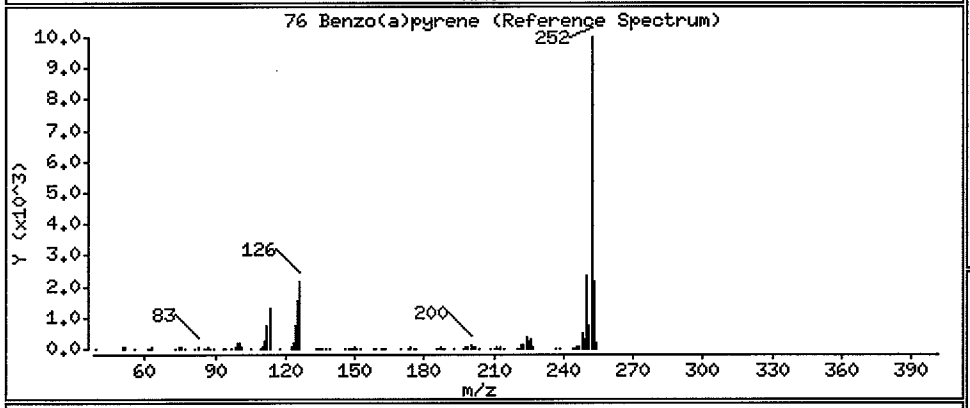
Volume Injected (uL): 1.0 Operator: LJR/VTS

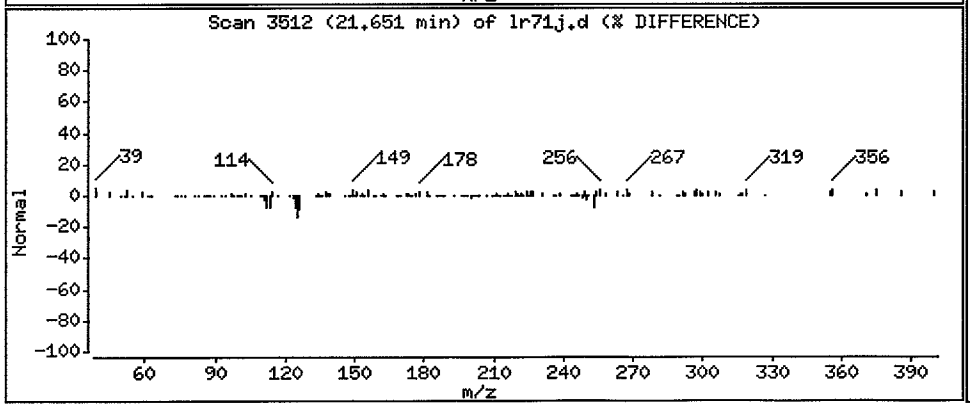
Column phase: ZB-5 Column diameter: 0.32

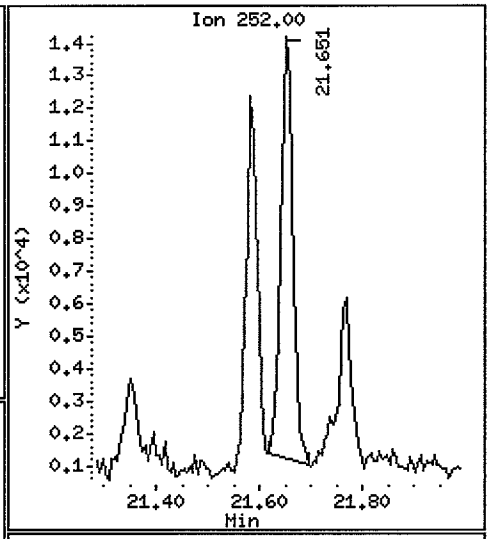
76 Benzo(a)pyrene Concentration: 11.95 ug/kg

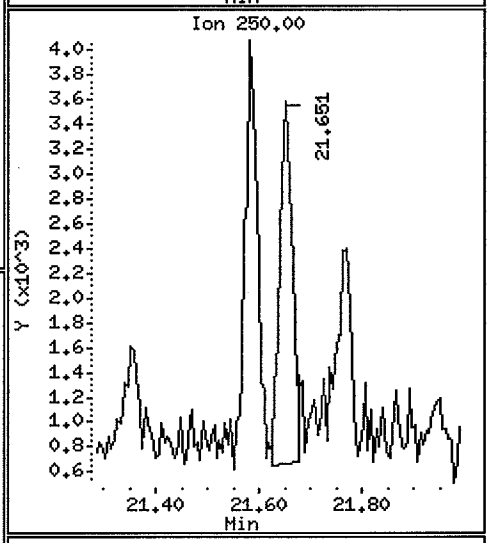


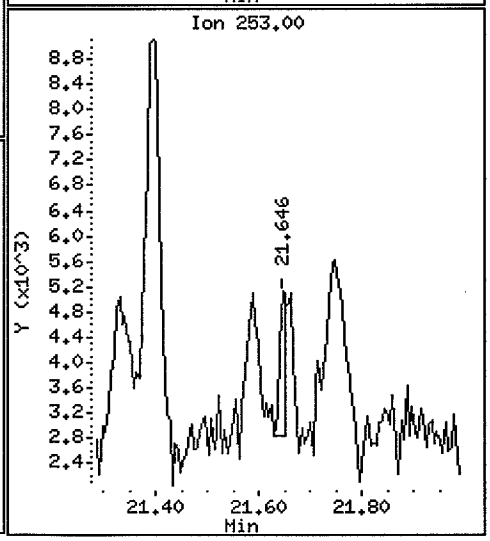












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-06
REEXTRACT

Lab Sample ID: LR71J
LIMS ID: 07-20775
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 21:52
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 51.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 22.1%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**46**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**230**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	**Phenanthrene**	**20**	**26**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**40**
129-00-0	**Pyrene**	**20**	**25**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**22**
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	**Chrysene**	**20**	**30**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**23**
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-06**
Page 2 of 2 **REEXTRACT**

Lab Sample ID: LR71J QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20775 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 21:52

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	55.6%	2-Fluorobiphenyl	59.6%
d14-p-Terphenyl	54.8%	d4-1,2-Dichlorobenzene	52.8%
d5-Phenol	56.3%	2-Fluorophenol	46.4%
2,4,6-Tribromophenol	61.6%	d4-2-Chlorophenol	55.7%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071101.b/lr71j2.d
Lab Smp Id: LR71JRE
Inj Date : 01-NOV-2007 21:52
Operator : VTS Inst ID: nt4.i
Smp Info : LR71JRE
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt4.i/20071101.b/SW846.m
Meth Date : 02-Nov-2007 11:41 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 11:04 Cal File: 0801001.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 11/2/07

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	25.00000	Weight of sample extracted (g)
M	0.00000	% 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	4.827	4.748	(0.707)	250279	17.3851	347.7
$ 2	Phenol-d5	99	6.515	6.489	(0.955)	340284	21.1178	422.4
3	Phenol	94	6.531	6.505	(0.957)	45054	2.35430	47.09
$ 5	2-Chlorophenol-d4	132	6.542	6.521	(0.958)	249762	20.8959	417.9
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	6.825	6.820	(1.000)	170134	20.0000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	7.124	7.114	(1.044)	101441	13.1899	263.8
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	7.701	7.686	(1.128)	150674	11.7093	234.2
$	18 Nitrobenzene-d5	82	7.776	7.771	(0.877)	225319	13.8636	277.3
	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	8.871	8.872	(1.000)	616125	20.0000	
	28 Naphthalene	128	8.898	8.899	(1.003)	22195	0.58677 LOL	11.74
	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	10.677	10.677	(0.914)	339137	14.9373	298.7
	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	11.687	11.682	(1.000)	328811	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	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	Compound Not Detected.					
	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	12.958	12.953	(1.109)	65431	23.1161	462.3
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.000	14.000	(1.000)	471706	20.0000	
	60 Phenanthrene	178	14.032	14.032	(1.002)	42639	1.30792	26.16
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
	63 Di-n-butylphthalate	149	Compound Not Detected.					
	64 Fluoranthene	202	15.928	15.923	(1.138)	71375	2.02222	40.44
	65 Pyrene	202	16.265	16.260	(0.892)	52202	1.29195	25.84
$	66 Terphenyl-d14	244	16.644	16.634	(0.913)	320170	13.7259	274.5
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	18.209	18.199	(0.999)	42729	1.14031	22.81
*	69 Chrysene-d12	240	18.231	18.221	(1.000)	504181	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	18.263	18.258	(1.002)	56916	1.54414	30.88
	72 bis(2-Ethylhexyl)phthalate	149	18.589	18.578	(0.953)	20229	0.92777 LOL	18.56(M)
*	134 Di-n-octylphthalate-d4	153	19.507	19.503	(1.000)	692029	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	19.833	19.818	(0.975)	46016	1.20225	24.05
	75 Benzo(k)fluoranthene	252	19.855	19.850	(0.976)	26500	0.65541 LOL	13.11(M)
	76 Benzo(a)pyrene	252	20.266	20.245	(0.996)	27348	0.80231 ↓	16.05
*	77 Perylene-d12	264	20.341	20.325	(1.000)	562162	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					
	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: nt4.i
Lab File ID: lr71j2.d
Lab Smp Id: LR71JRE
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

Calibration Date: 01-NOV-2007
Calibration Time: 14:35

Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	145384	72692	290768	170134	17.02
27 Naphthalene-d8	530525	265262	1061050	616125	16.13
42 Acenaphthene-d10	280701	140350	561402	328811	17.14
59 Phenanthrene-d10	391934	195967	783868	471706	20.35
69 Chrysene-d12	354658	177329	709316	504181	42.16
134 Di-n-octylphthala	506314	253157	1012628	692029	36.68
77 Perylene-d12	400782	200391	801564	562162	40.27

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.82	6.32	7.32	6.83	0.07
27 Naphthalene-d8	8.87	8.37	9.37	8.87	-0.01
42 Acenaphthene-d10	11.68	11.18	12.18	11.69	0.04
59 Phenanthrene-d10	14.00	13.50	14.50	14.00	0.00
69 Chrysene-d12	18.22	17.72	18.72	18.23	0.06
134 Di-n-octylphthala	19.50	19.00	20.00	19.51	0.02
77 Perylene-d12	20.33	19.83	20.83	20.34	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.

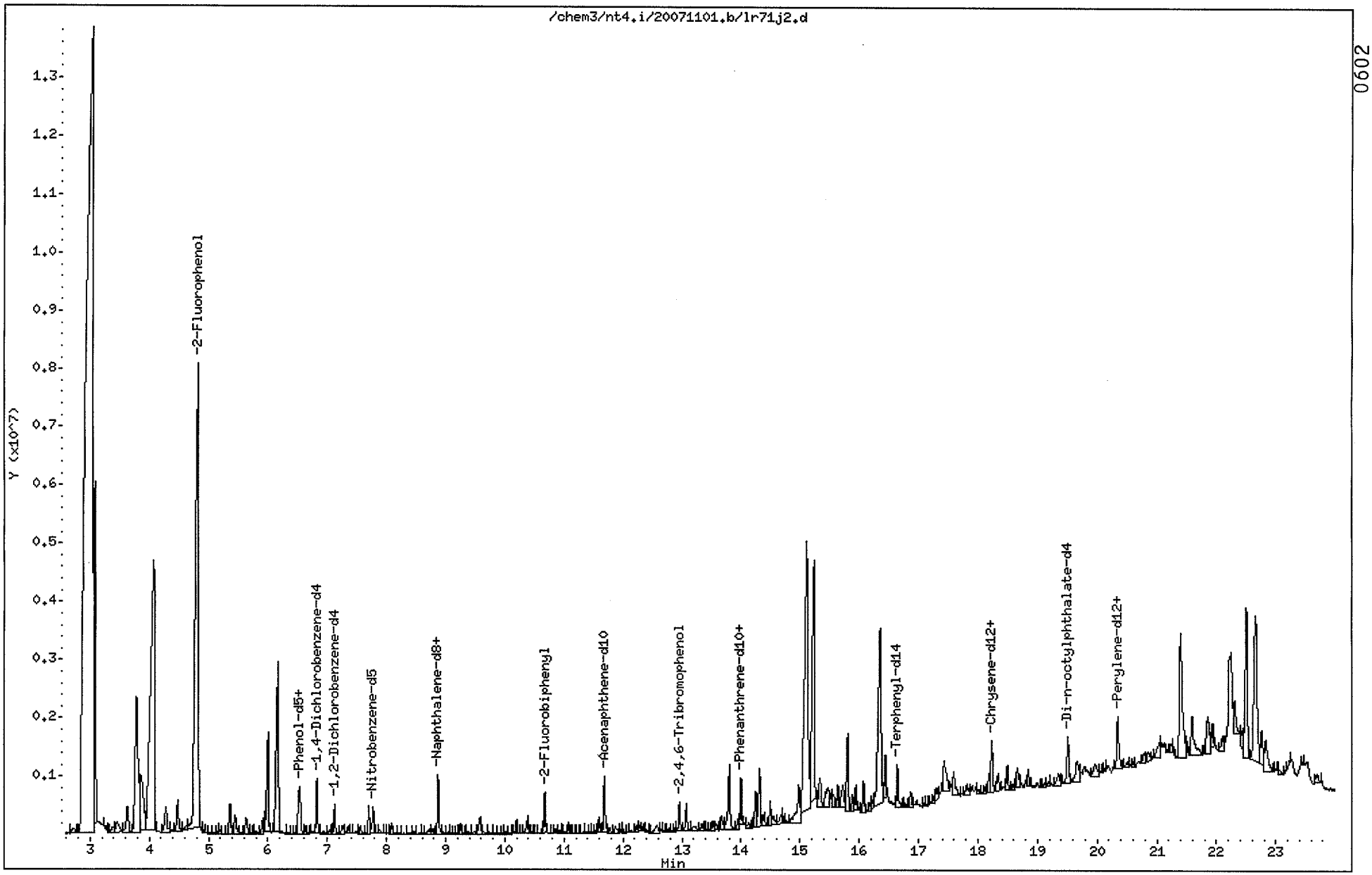
RECOVERY REPORT

Client Name: Client SDG: 20071101
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: LR71JRE
Level: LOW Operator: VTS
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: PSDDALCS.spk Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	347.7	46.36	11-84
$ 2 Phenol-d5	750.0	422.4	56.31	25-86
$ 5 2-Chlorophenol-d4	750.0	417.9	55.72	23-91
$ 10 1,2-Dichlorobenzen	500.0	263.8	52.76	24-90
$ 18 Nitrobenzene-d5	500.0	277.3	55.45	26-88
$ 36 2-Fluorobiphenyl	500.0	298.7	59.75	34-91
$ 55 2,4,6-Tribromophen	750.0	462.3	61.64	25-107
$ 66 Terphenyl-d14	500.0	274.5	54.90	22-100

Data File: /chem3/nt4.i/20071101.b/lr71j2.d
Date : 01-NOV-2007 21:52
Client ID:
Sample Info: LR71JRE
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt4.i
Operator: VTS
Column diameter: 0.32



0602

Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

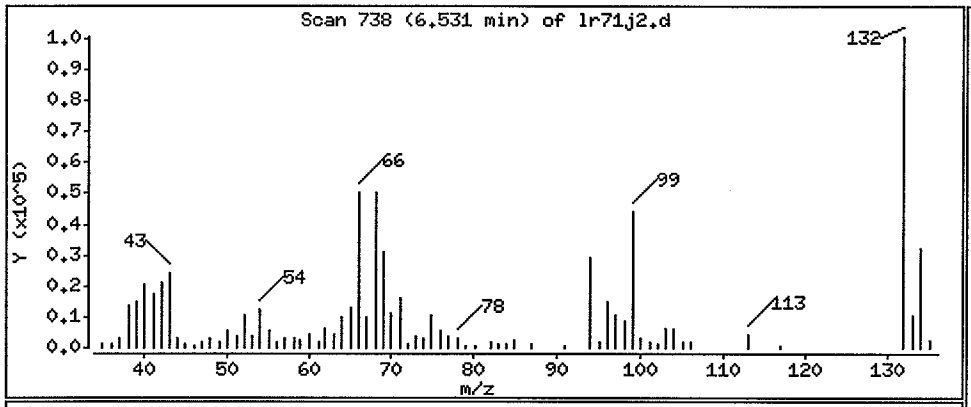
Operator: VTS

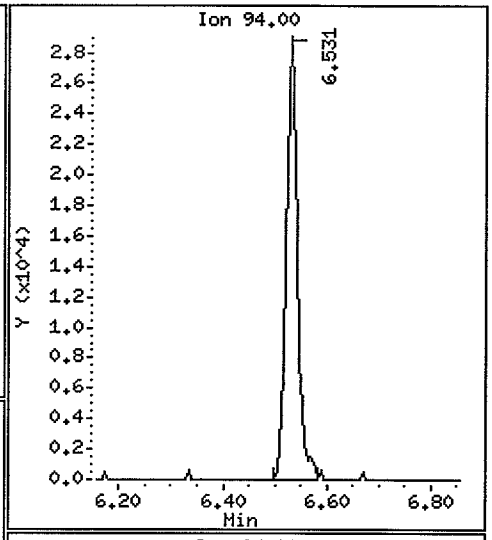
Column phase: ZB-5

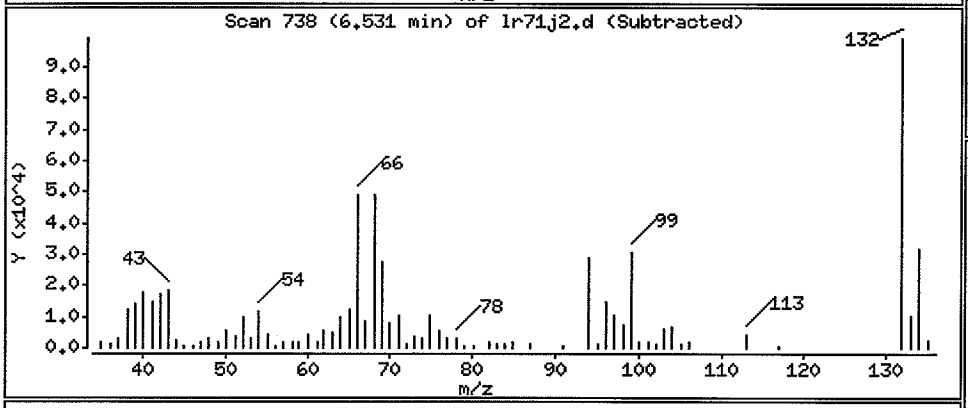
Column diameter: 0.32

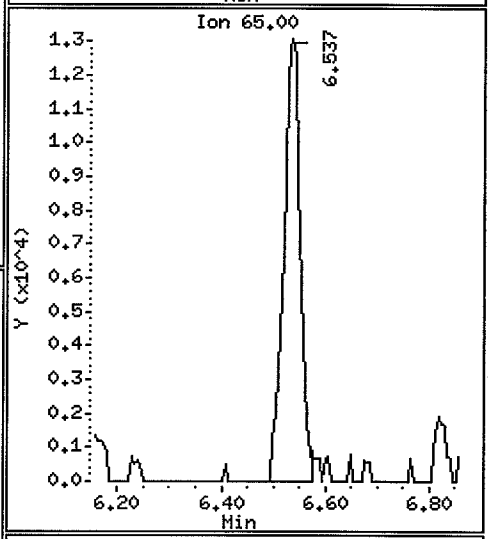
3 Phenol

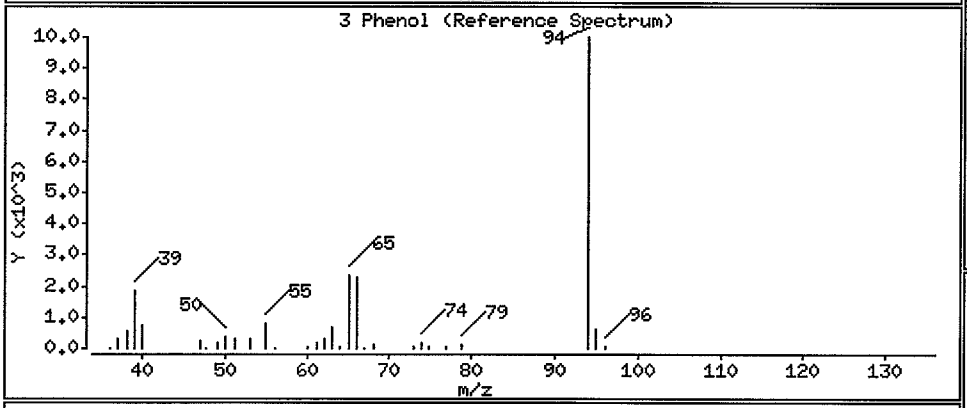
Concentration: 47.09 ug/Kg

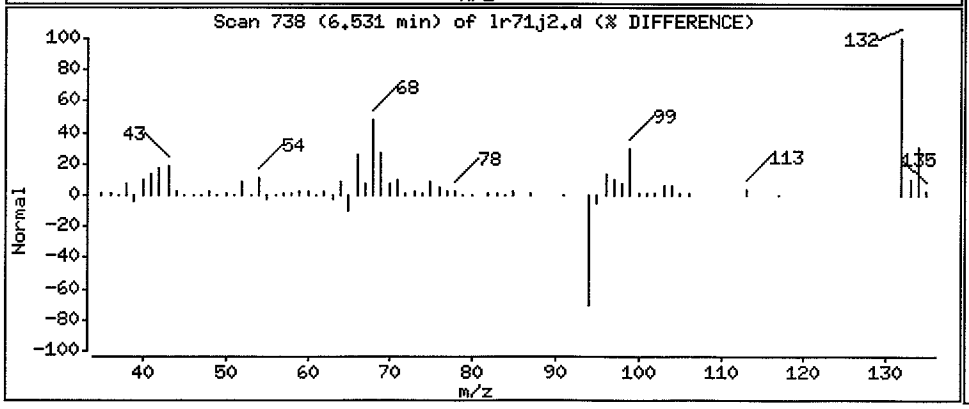


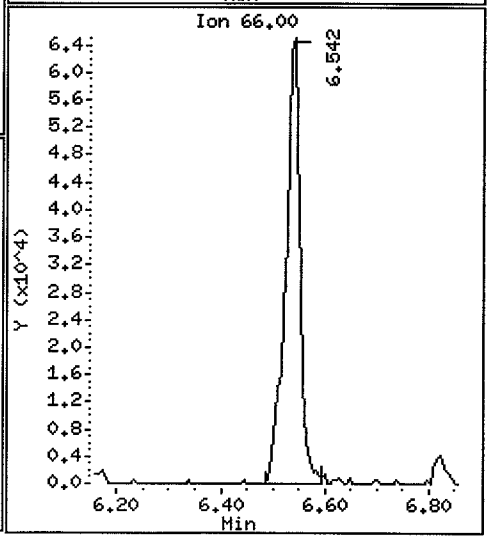












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

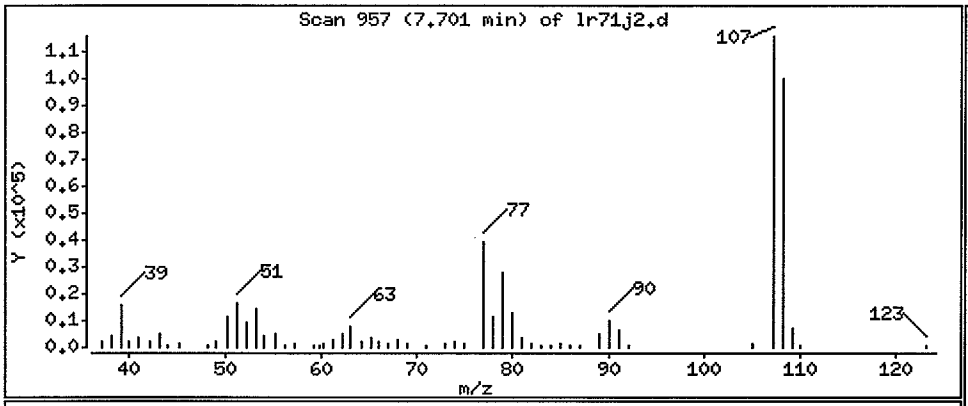
Operator: VTS

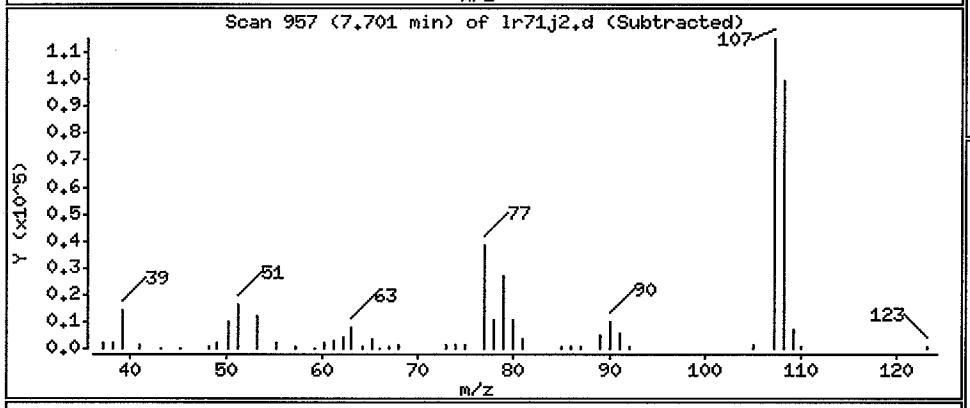
Column phase: ZB-5

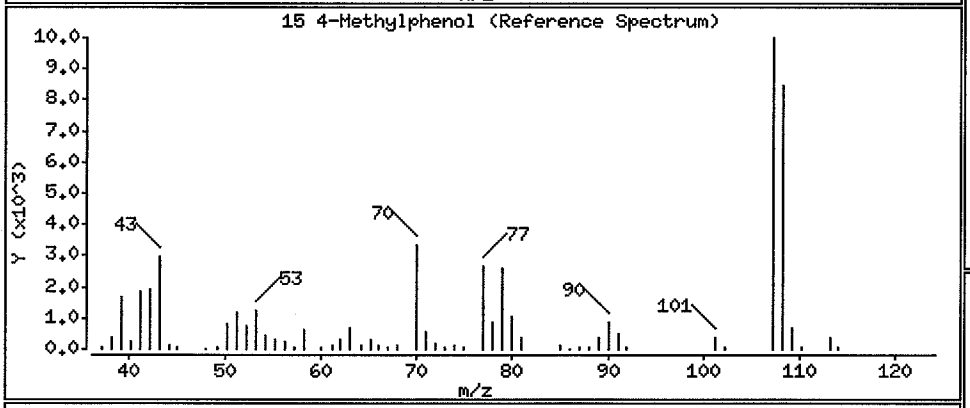
Column diameter: 0.32

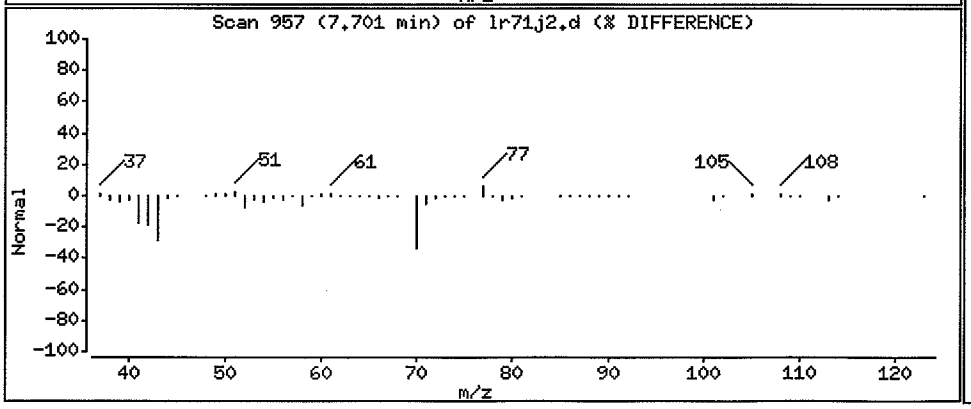
15 4-Methylphenol

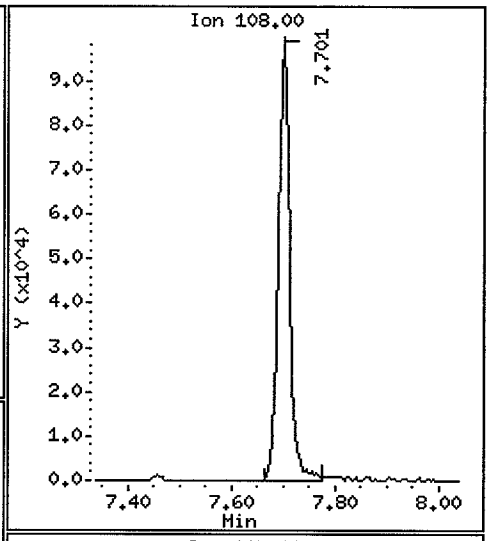
Concentration: 234.2 ug/Kg

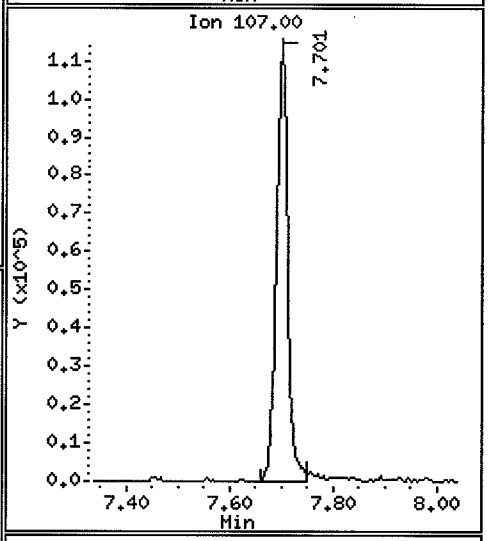


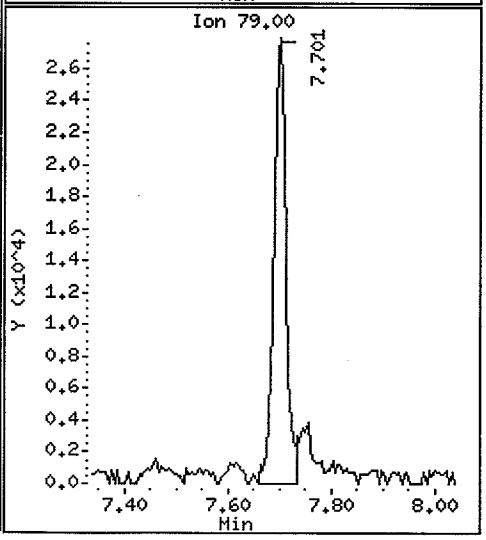












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

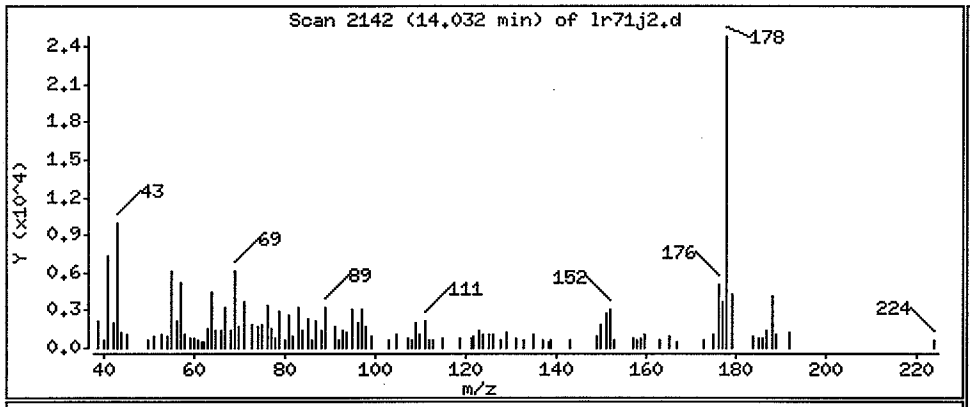
Operator: VTS

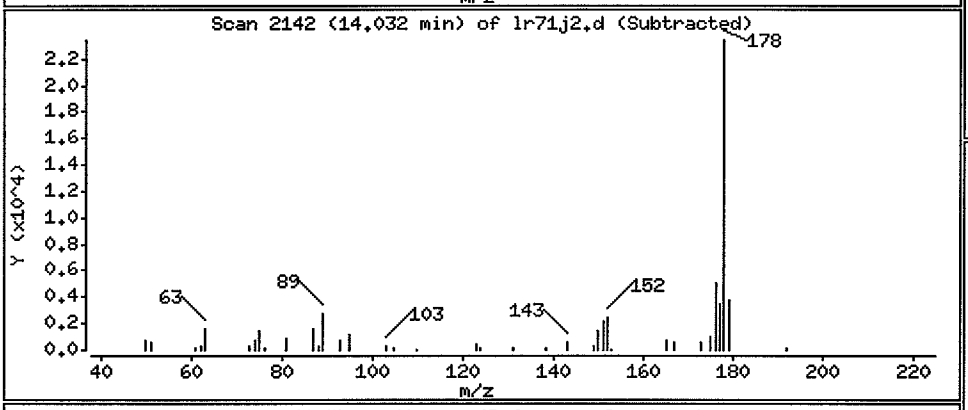
Column phase: ZB-5

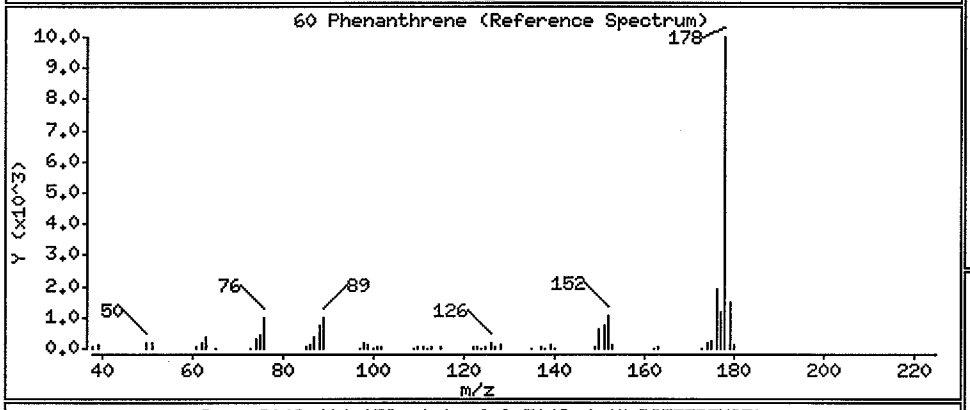
Column diameter: 0.32

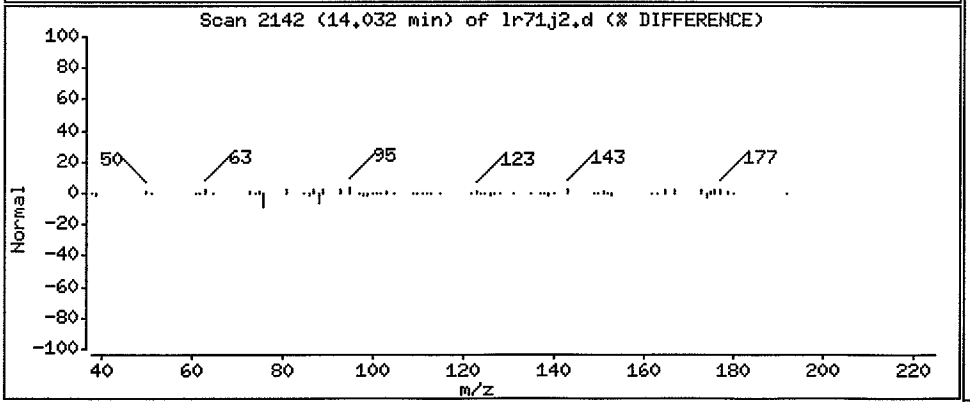
60 Phenanthrene

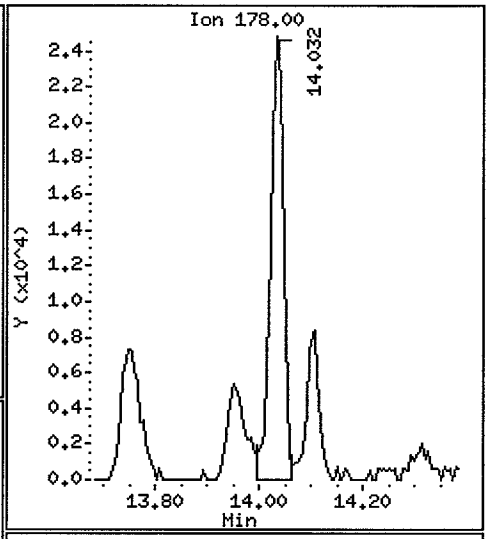
Concentration: 26.16 ug/Kg

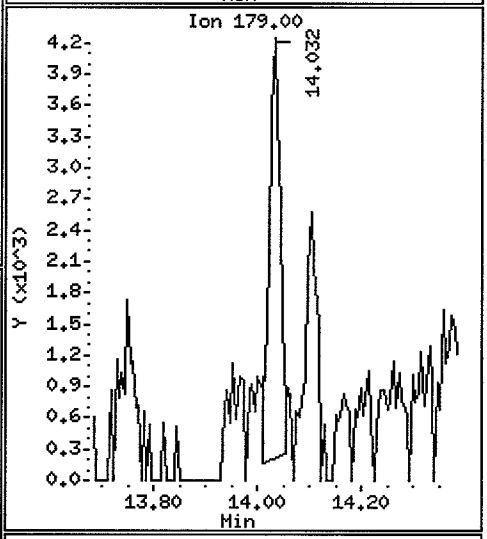


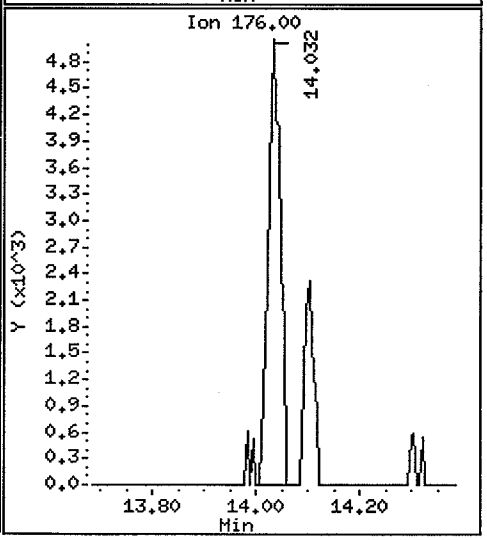












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

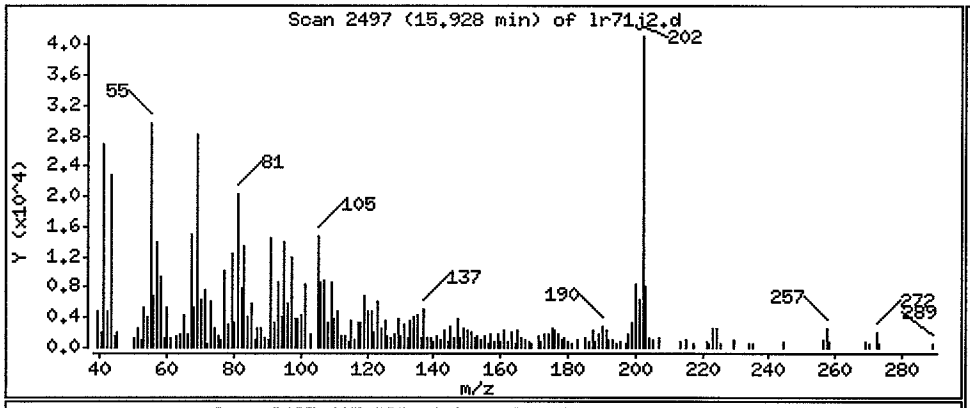
Operator: VTS

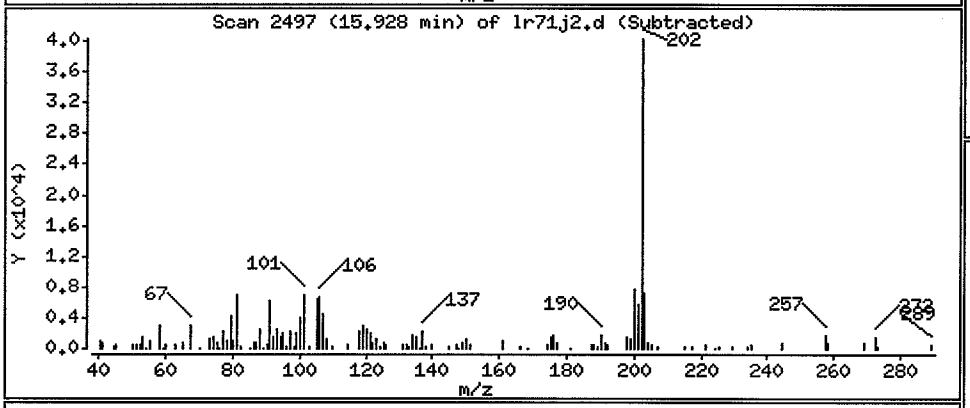
Column phase: ZB-5

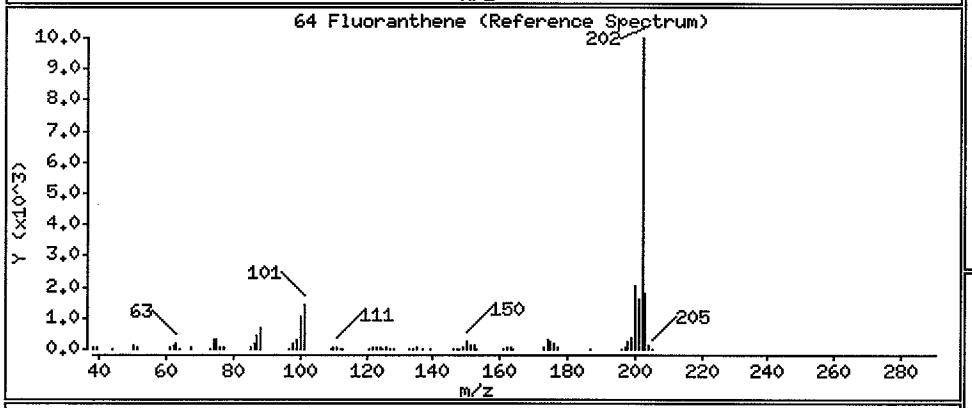
Column diameter: 0.32

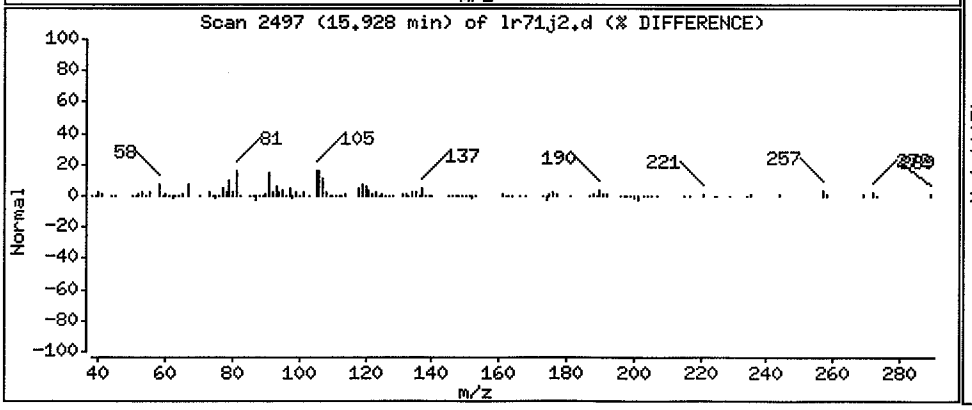
64 Fluoranthene

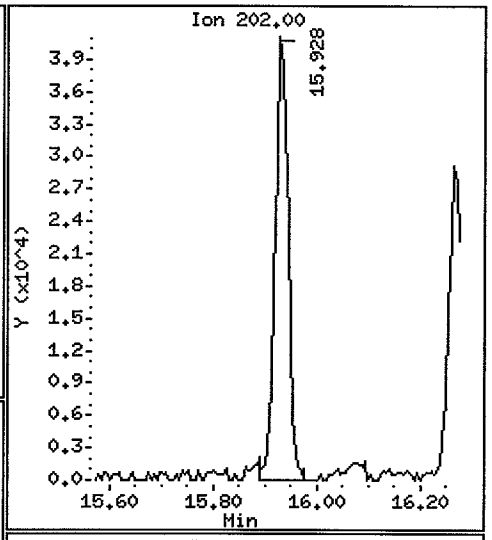
Concentration: 40.44 ug/Kg

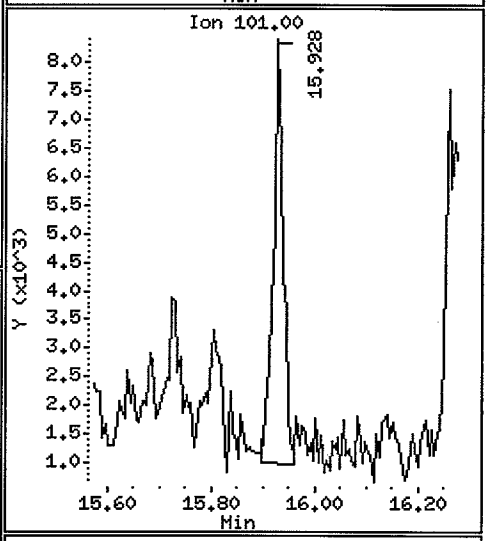


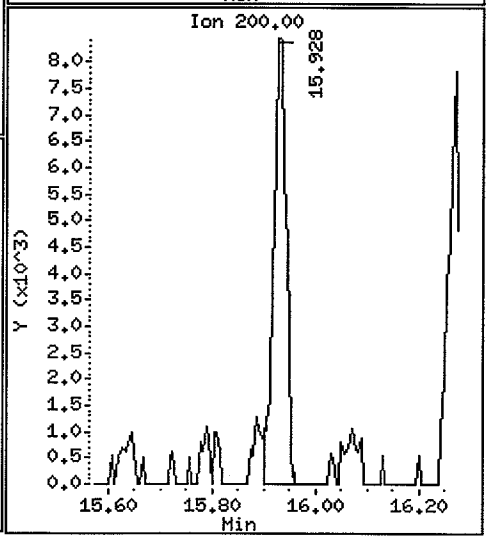












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

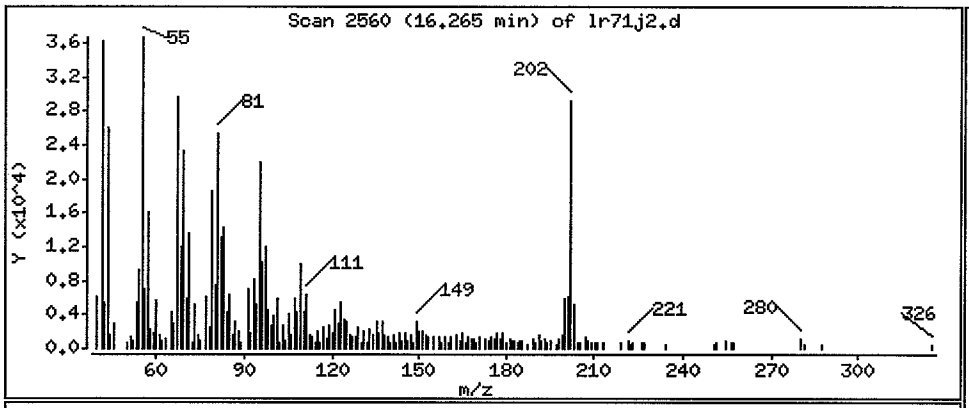
Operator: VTS

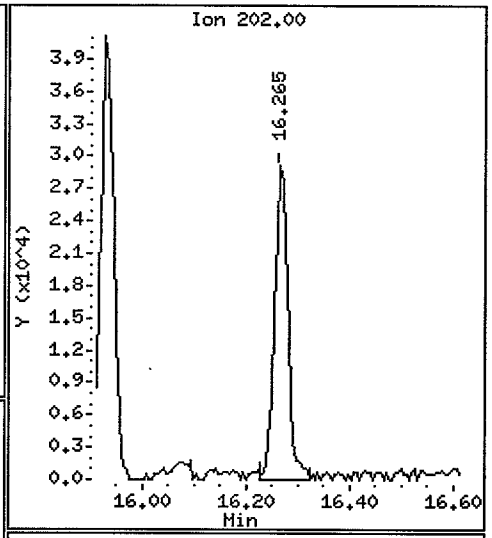
Column phase: ZB-5

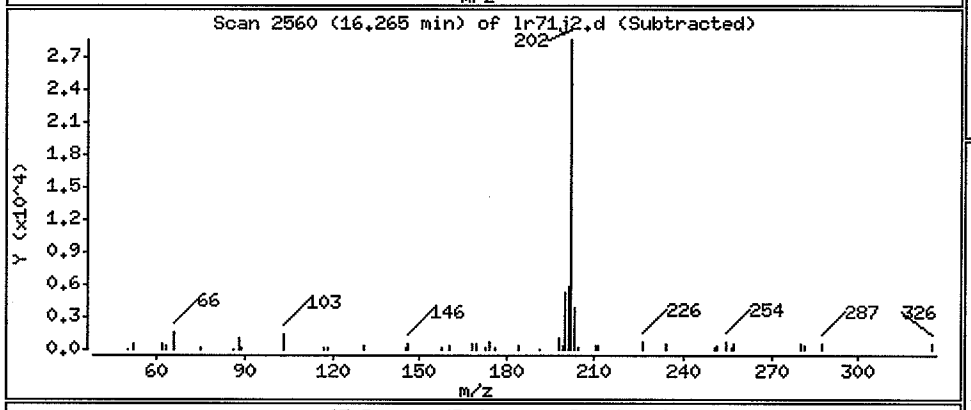
Column diameter: 0.32

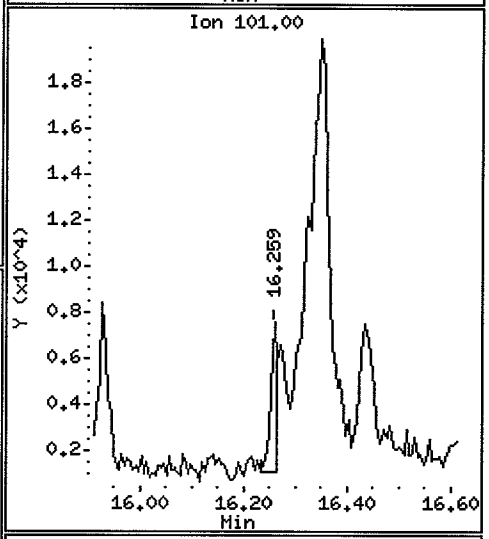
65 Pyrene

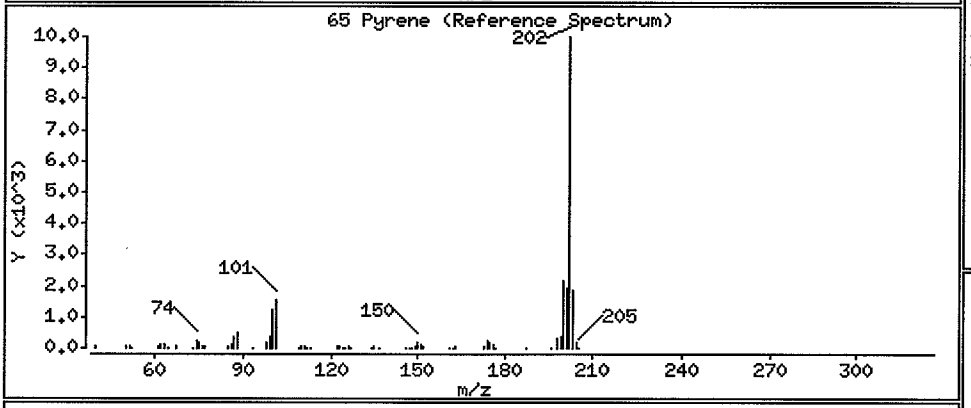
Concentration: 25.84 ug/Kg

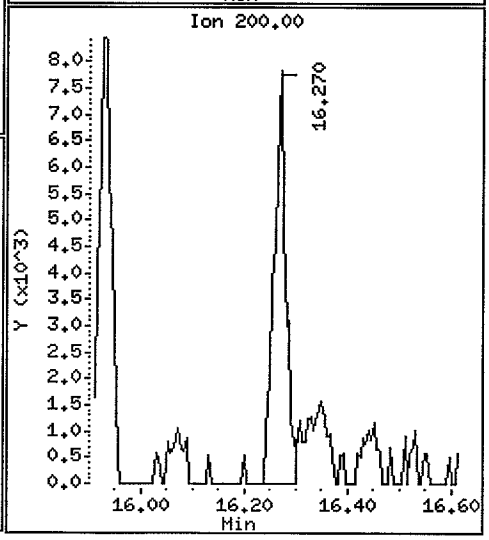


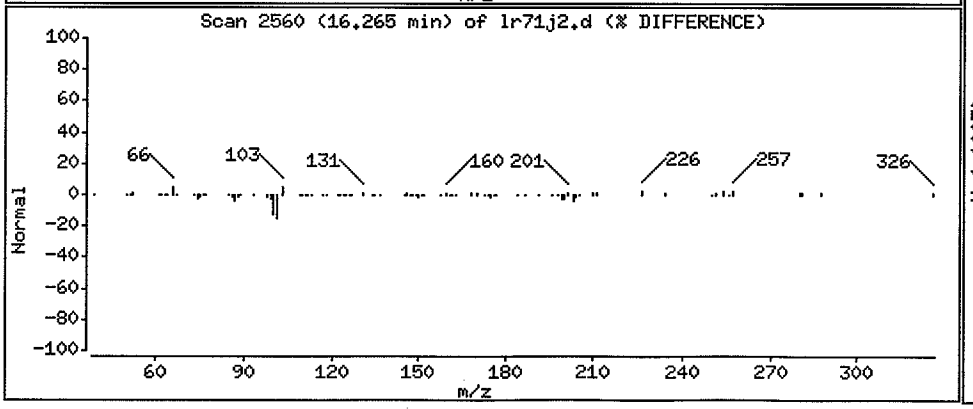












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

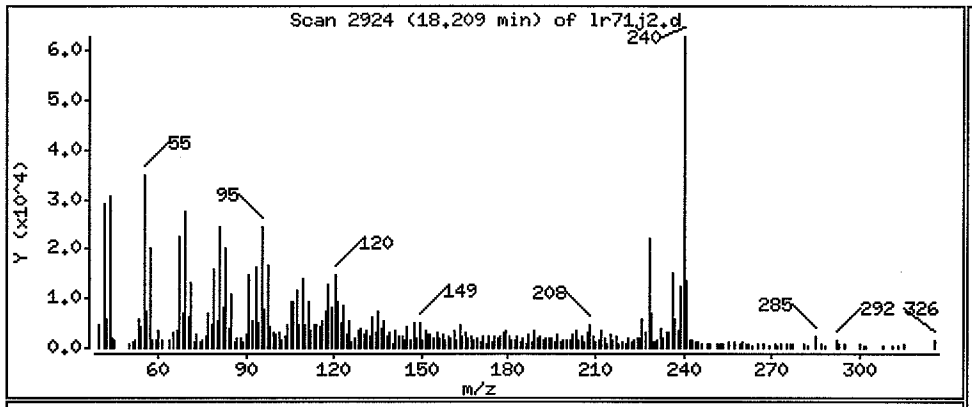
Operator: VTS

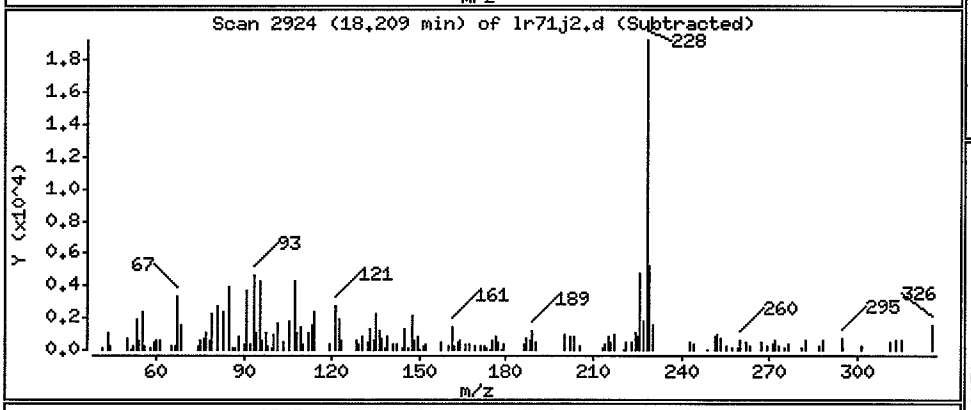
Column phase: ZB-5

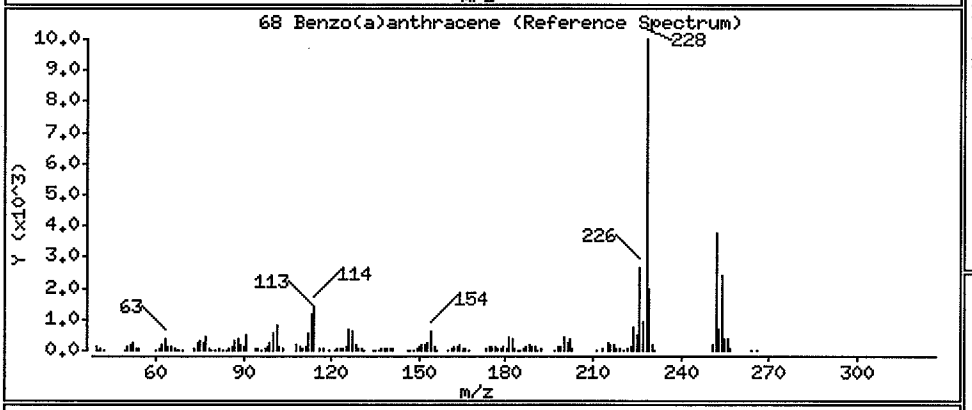
Column diameter: 0.32

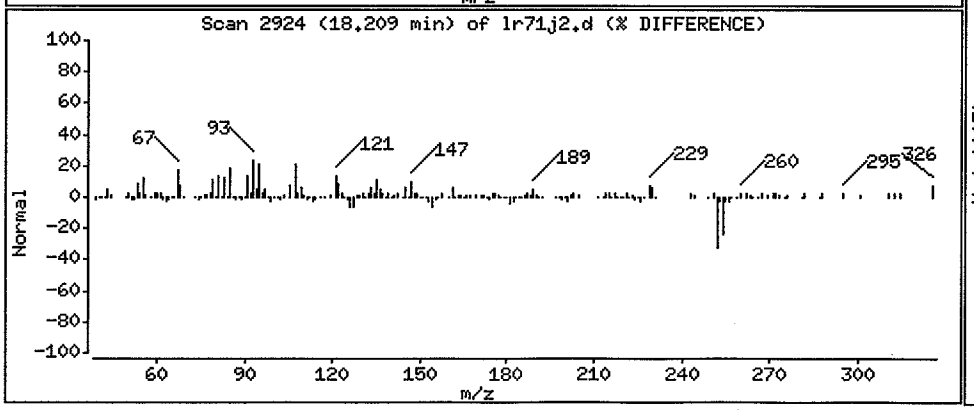
68 Benzo(a)anthracene

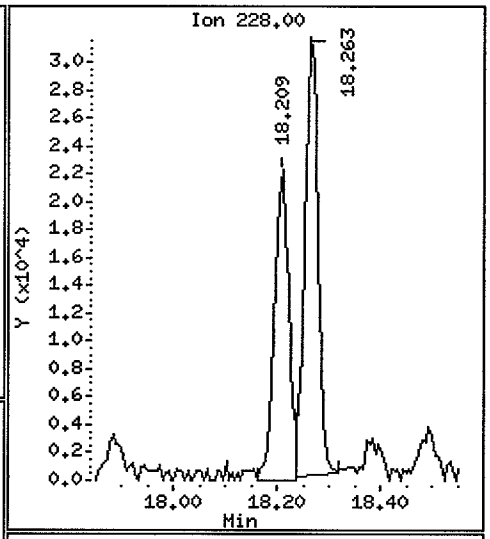
Concentration: 22.81 ug/Kg

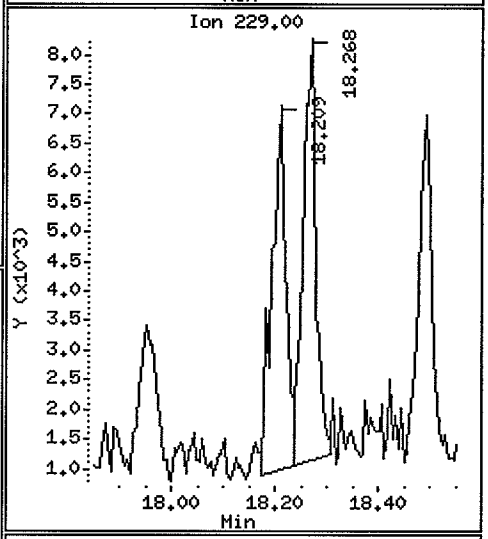


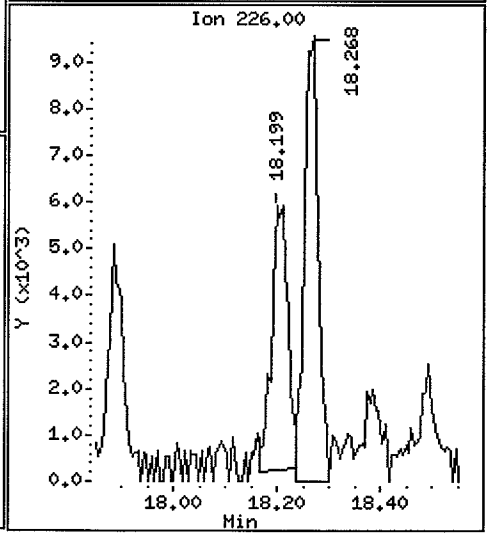












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

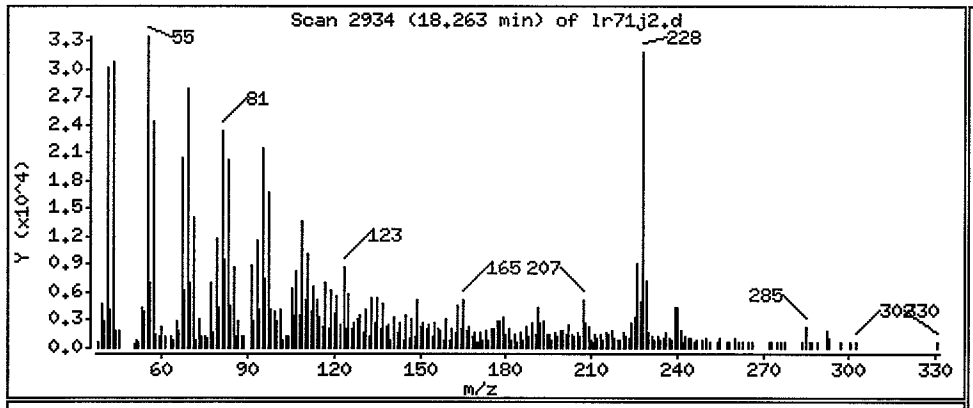
Operator: VTS

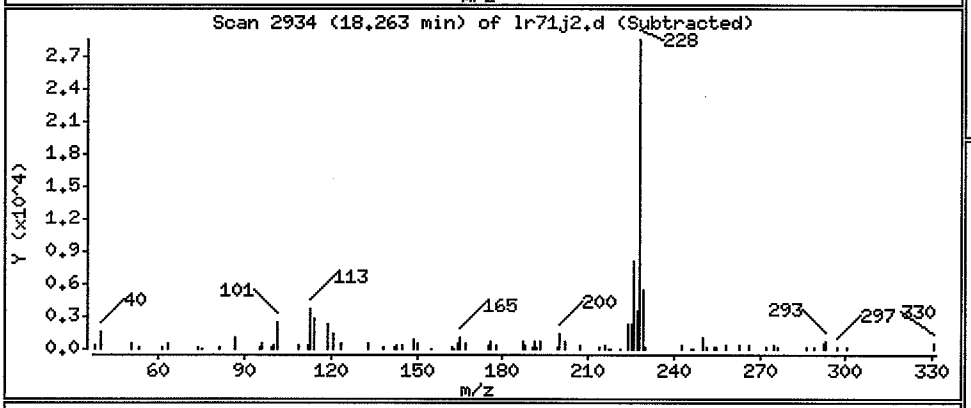
Column phase: ZB-5

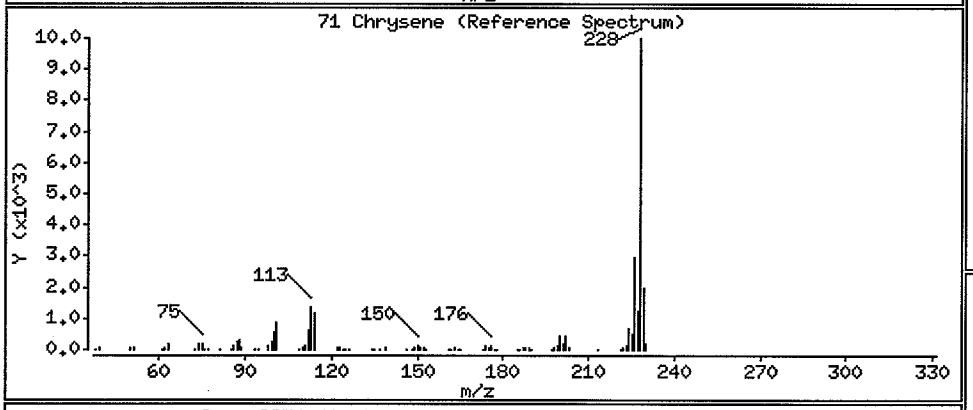
Column diameter: 0.32

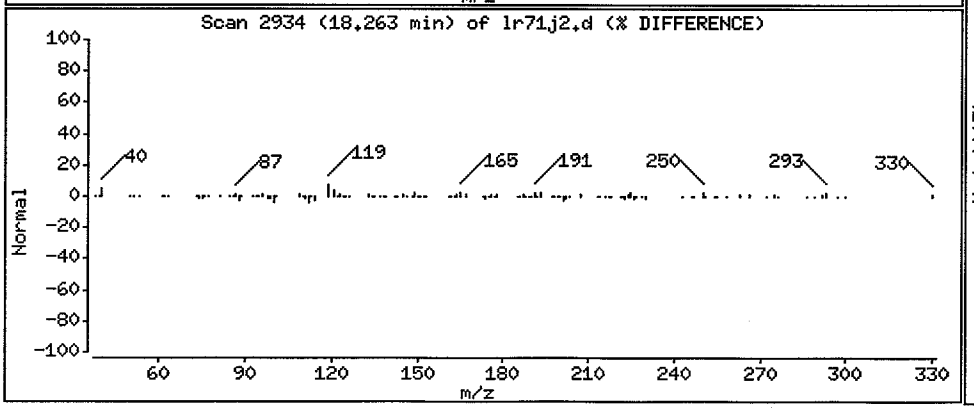
71 Chrysene

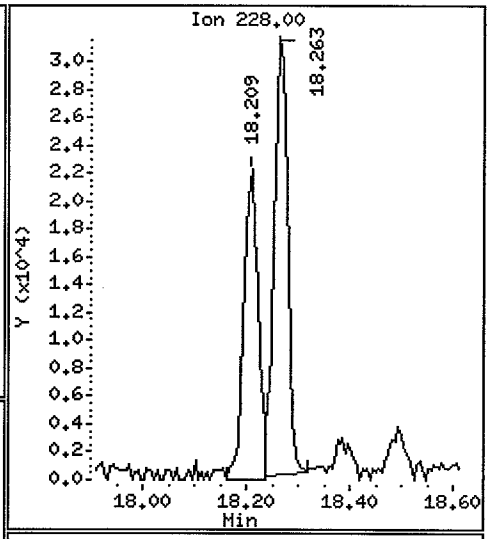
Concentration: 30.88 ug/Kg

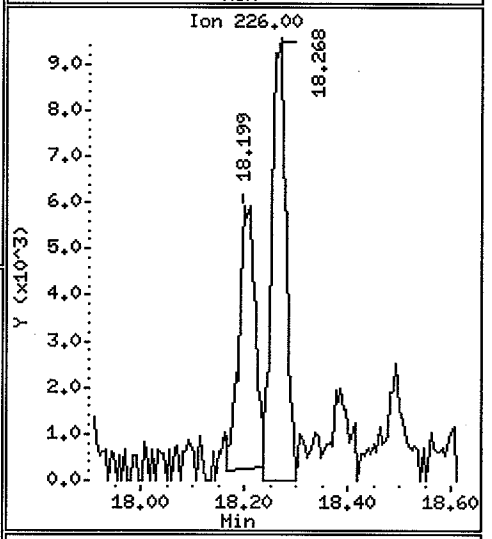


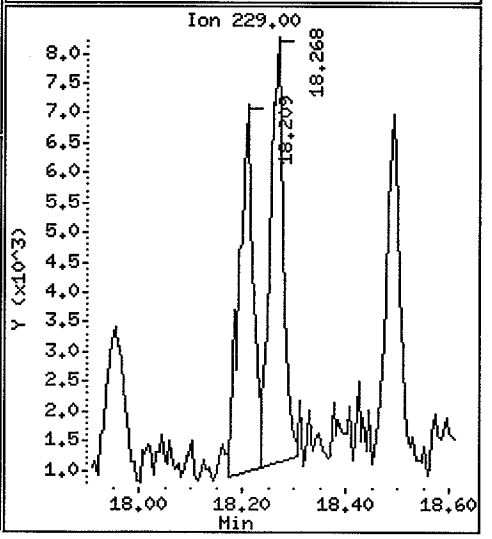












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

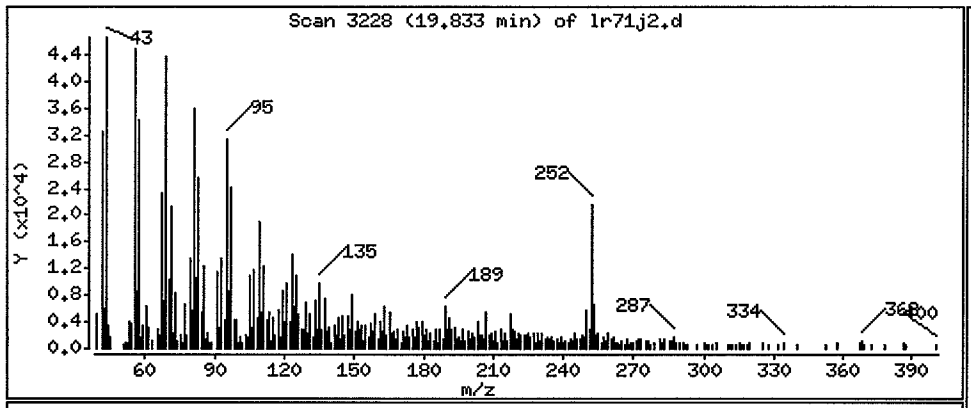
Operator: VTS

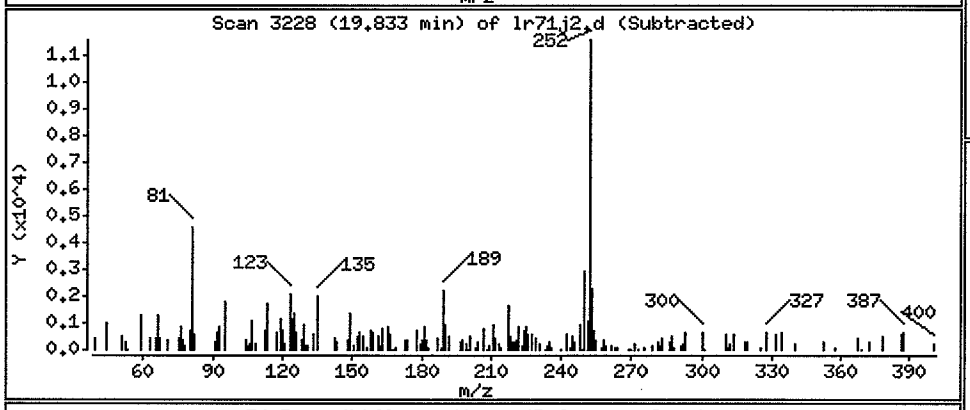
Column phase: ZB-5

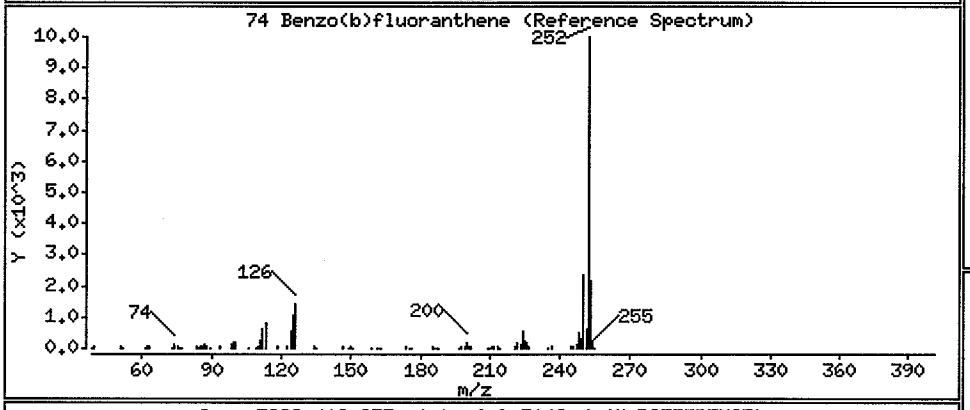
Column diameter: 0.32

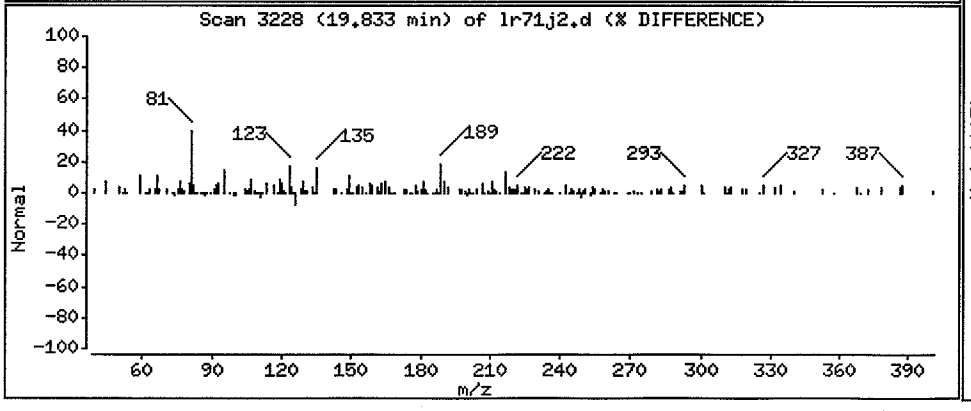
74 Benzo(b)fluoranthene

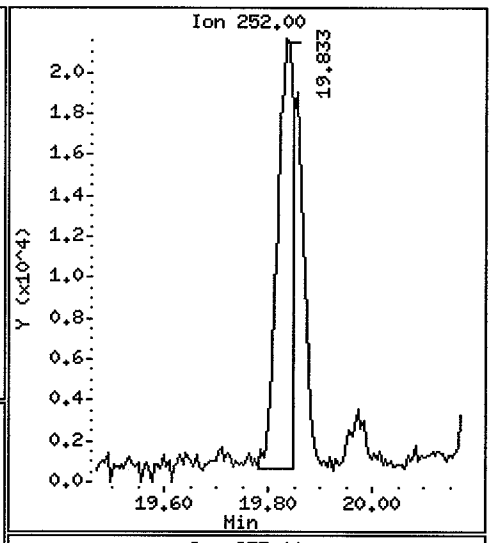
Concentration: 24.05 ug/Kg

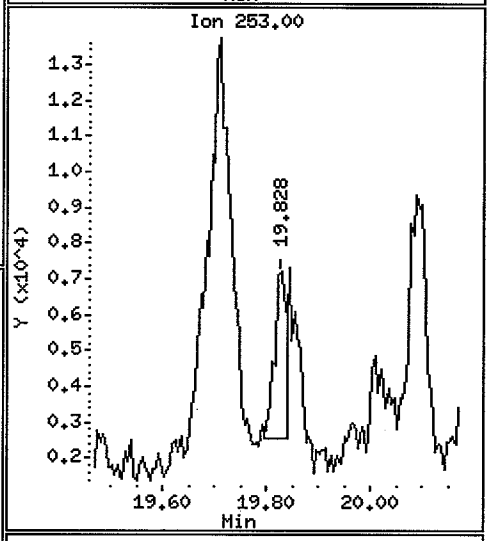


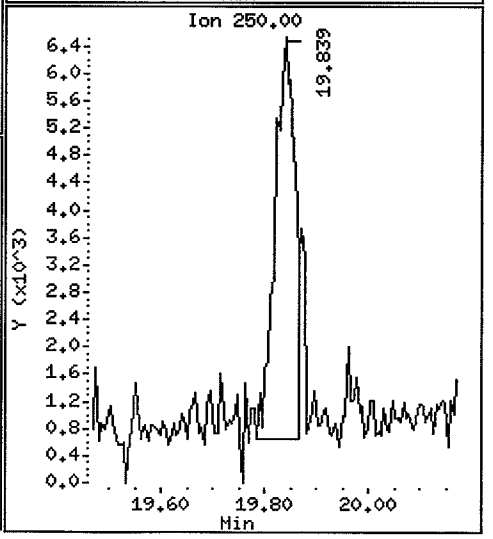












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

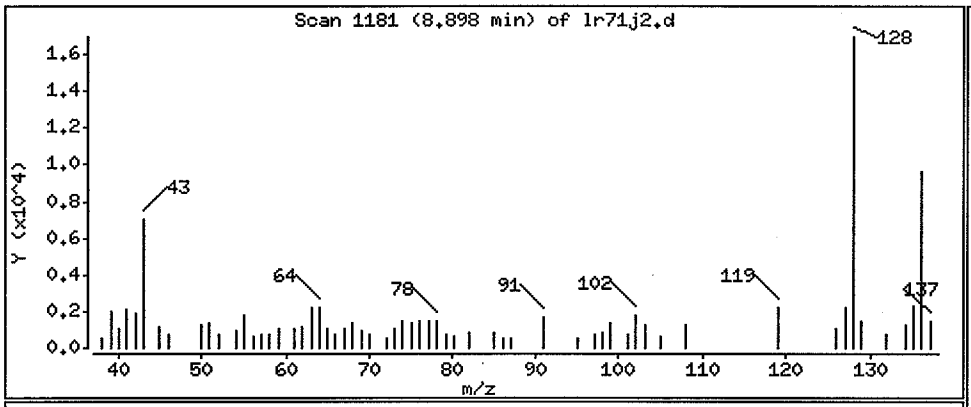
Operator: VTS

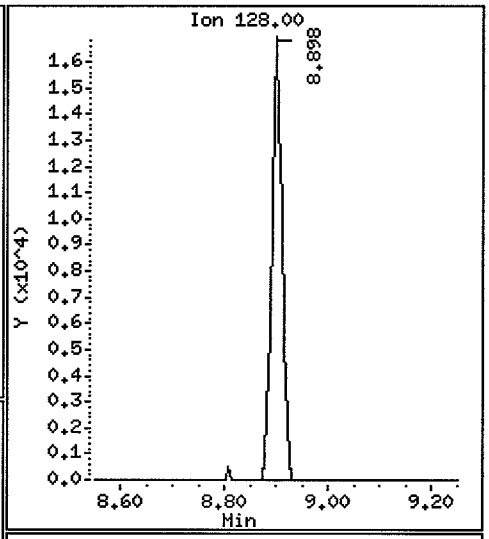
Column phase: ZB-5

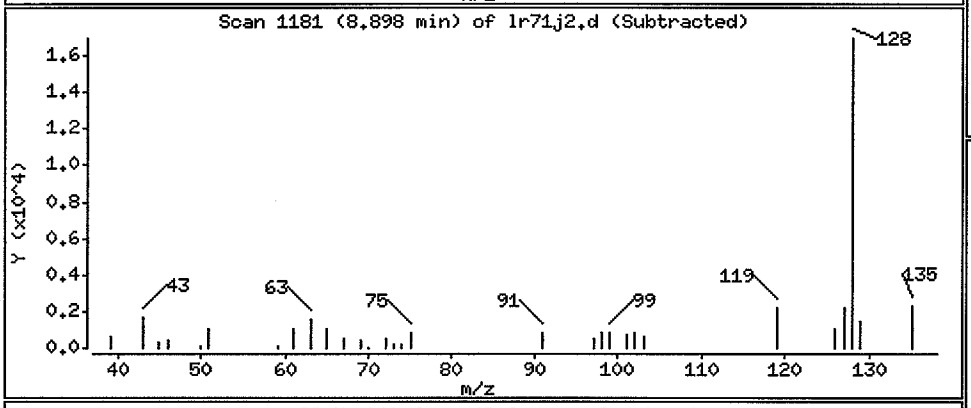
Column diameter: 0.32

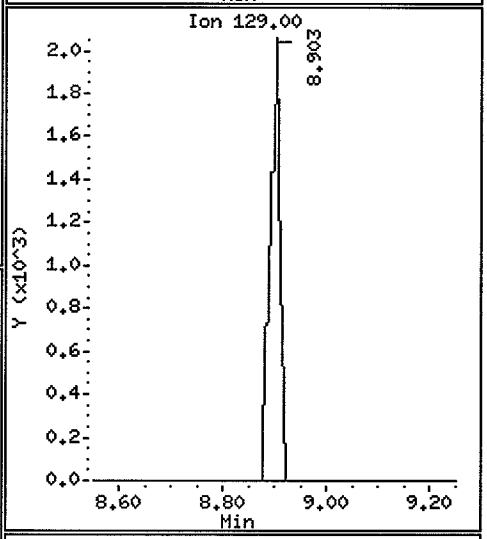
28 Naphthalene

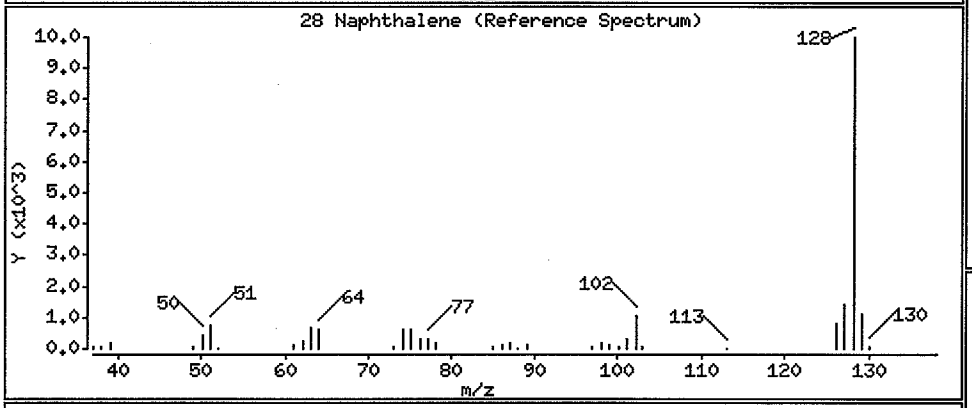
Concentration: 11.74 ug/Kg

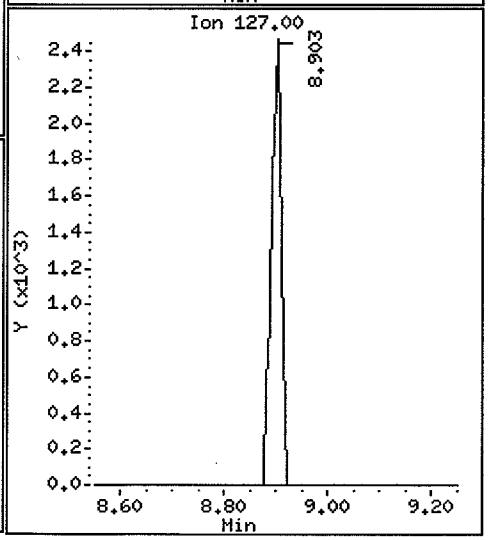


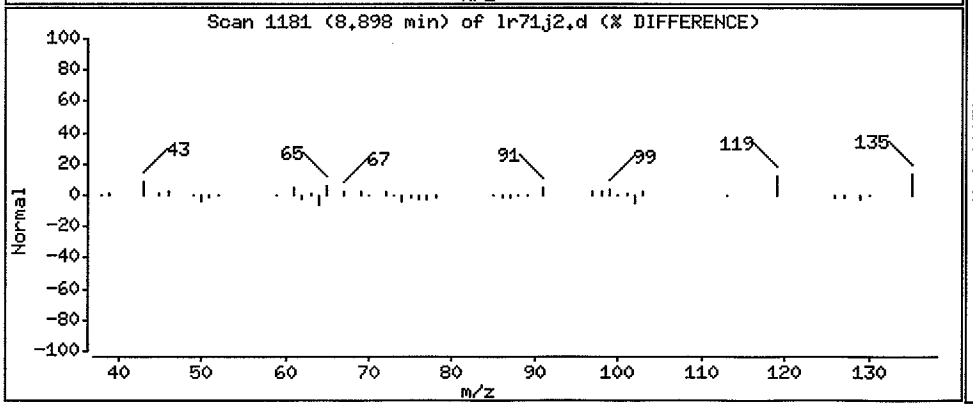












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

Operator: VTS

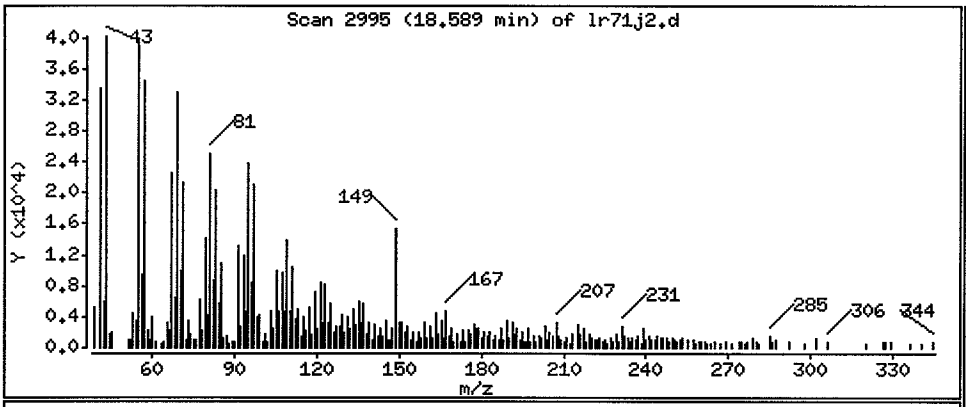
Column phase: ZB-5

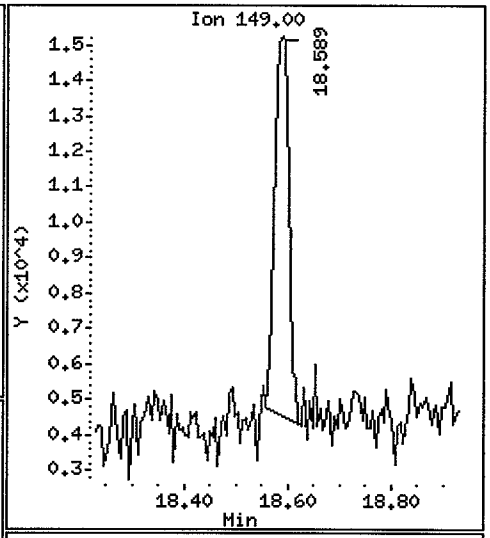
Column diameter: 0.32

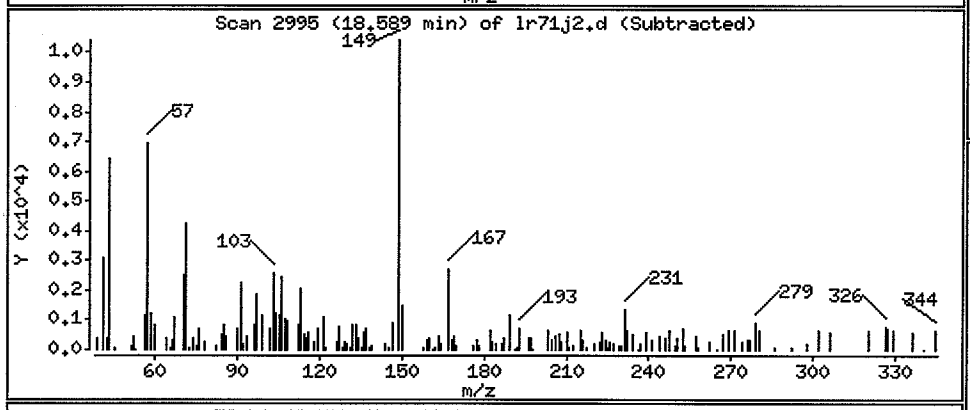
B

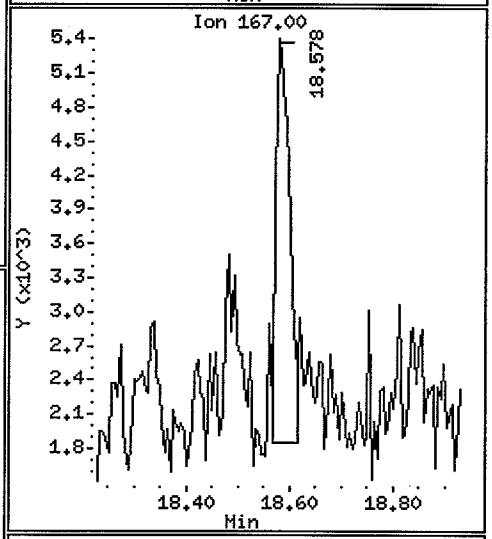
72 bis(2-Ethylhexyl)phthalate

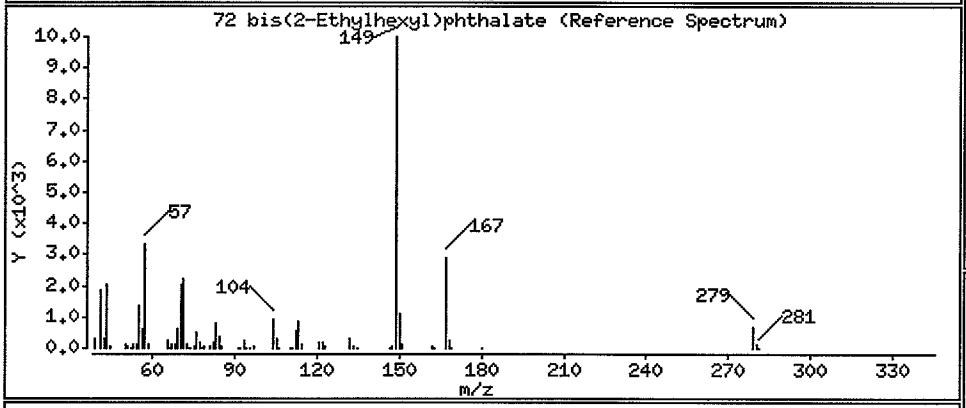
Concentration: 18.56 ug/Kg

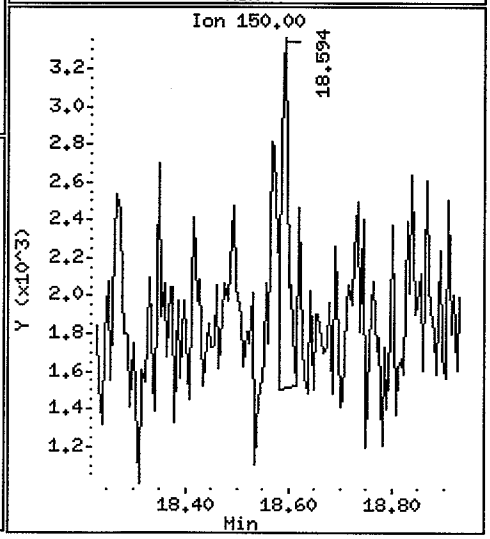


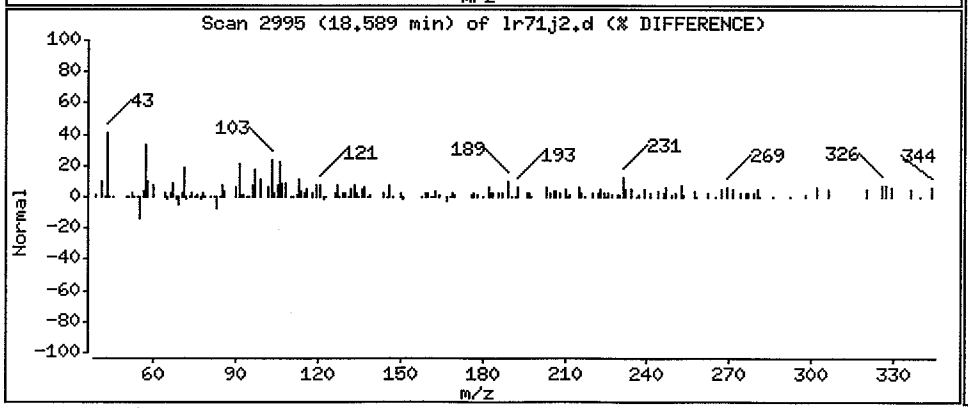












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

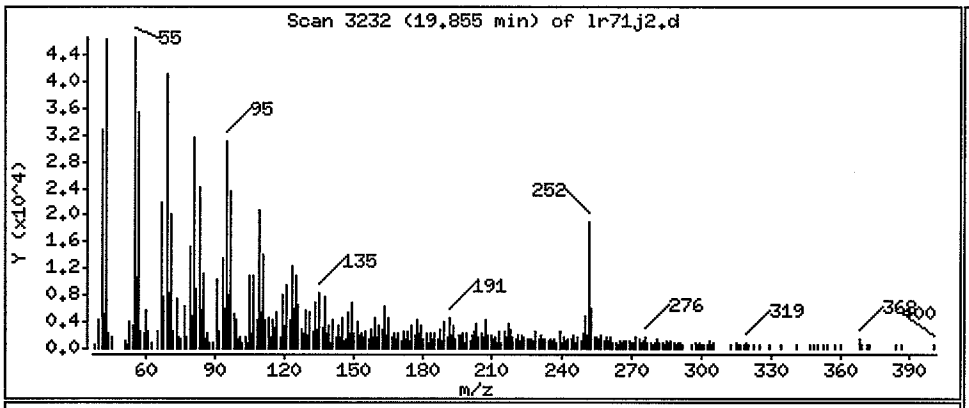
Operator: VTS

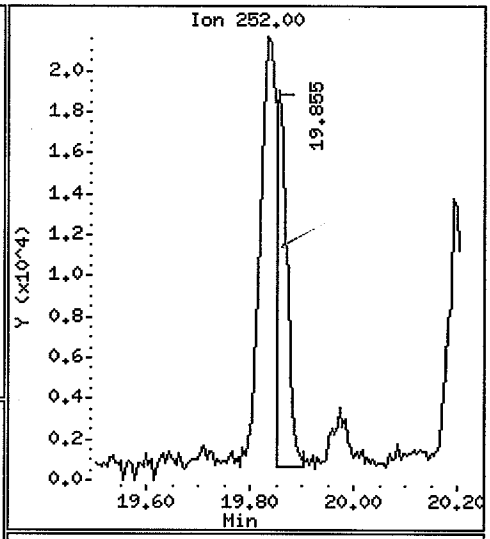
Column phase: ZB-5

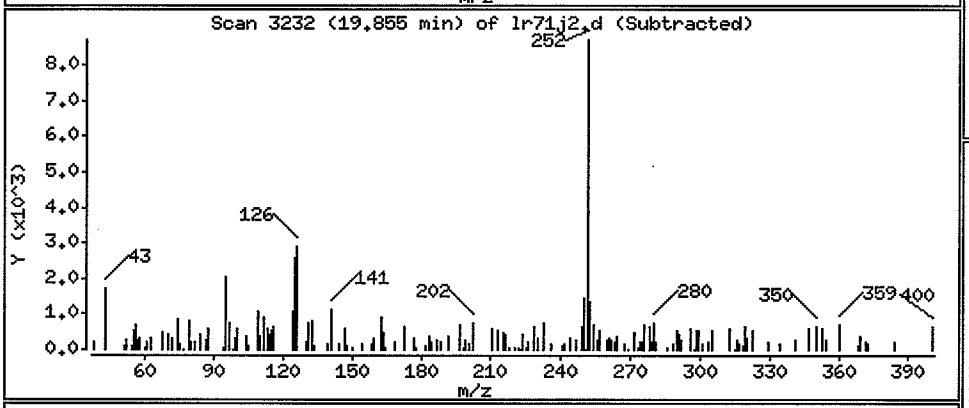
Column diameter: 0.32

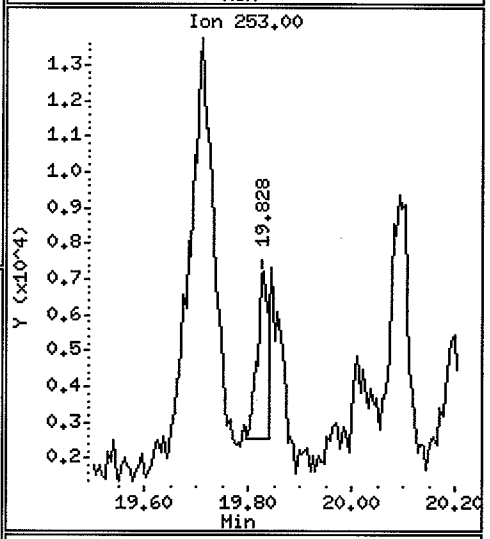
75 Benzo(k)fluoranthene

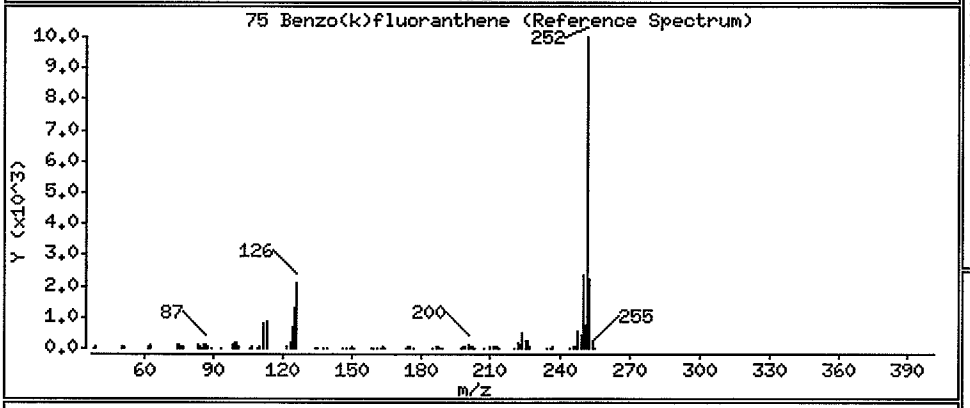
Concentration: 13.11 ug/Kg

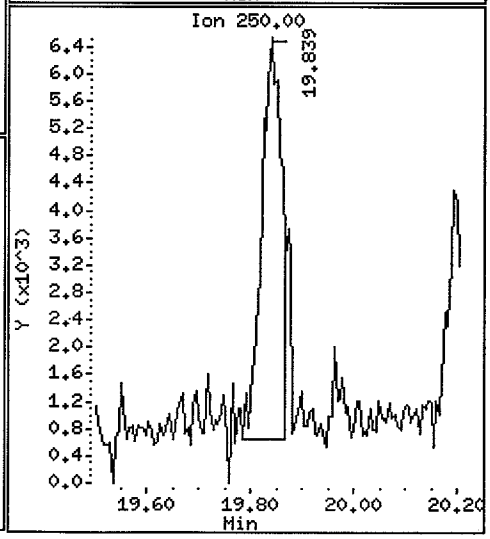


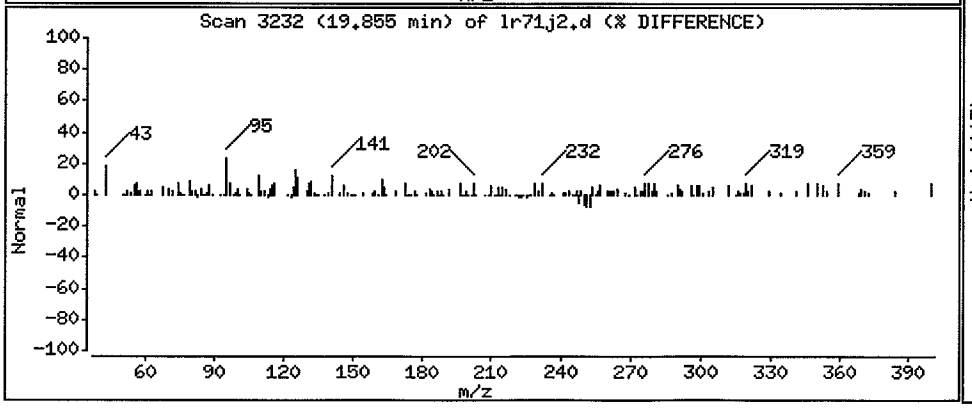












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

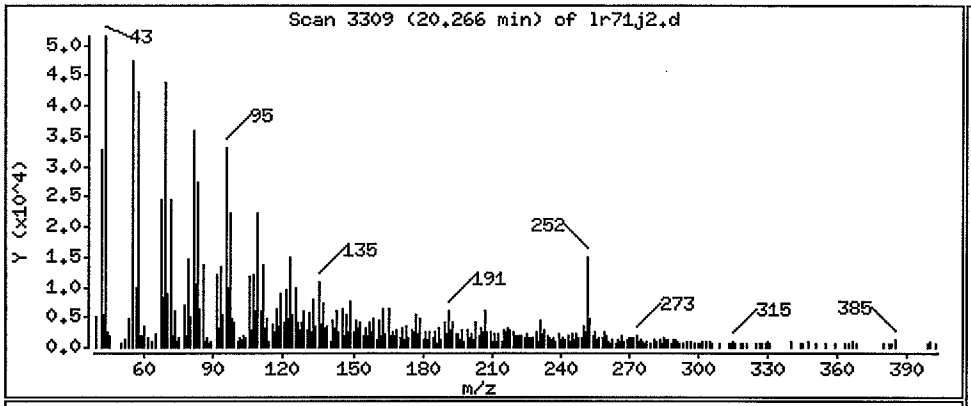
Operator: VTS

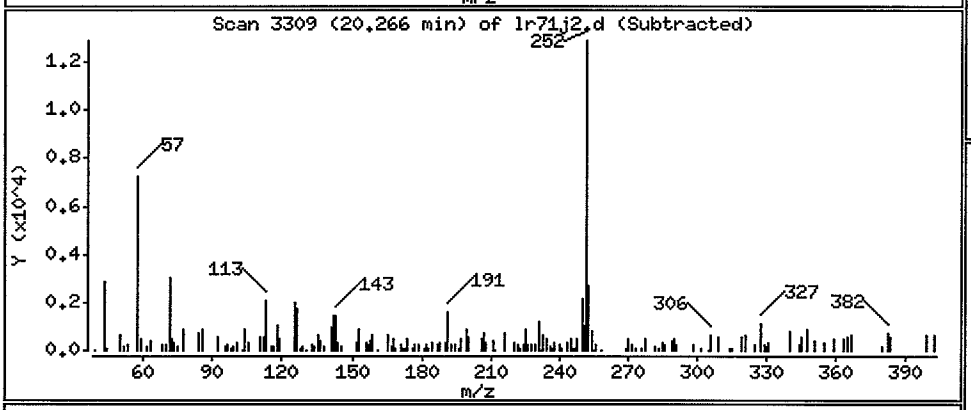
Column phase: ZB-5

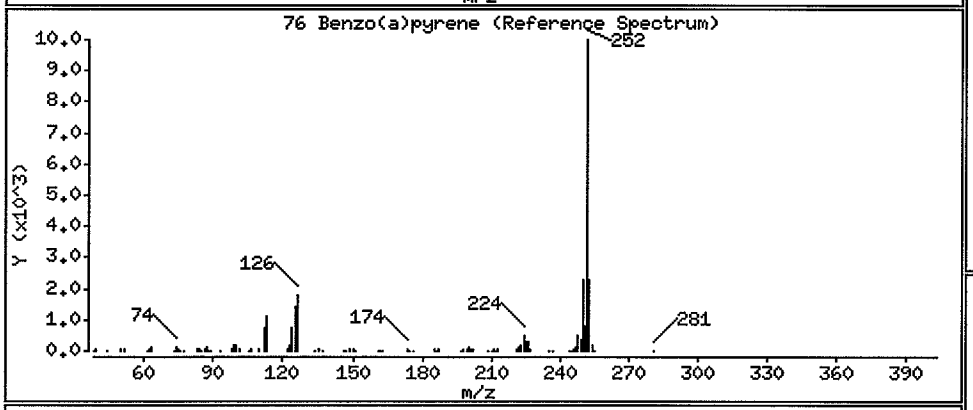
Column diameter: 0.32

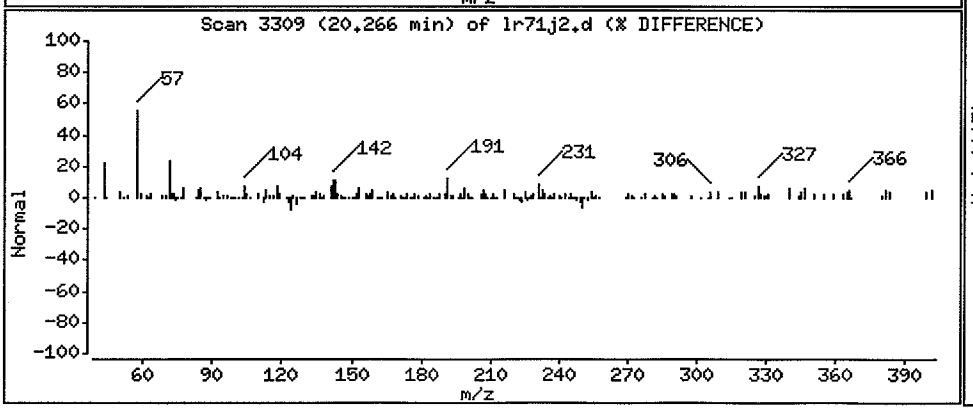
76 Benzo(a)pyrene

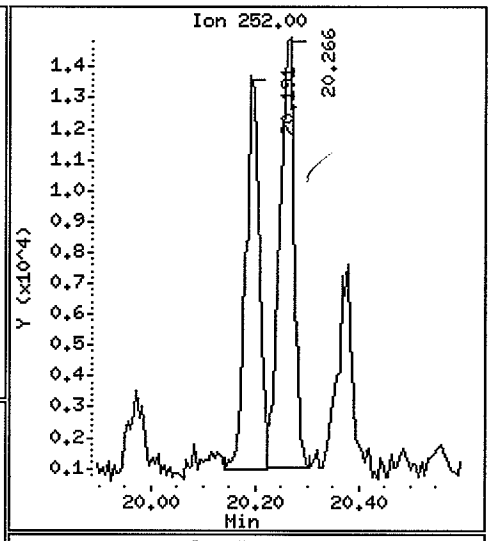
Concentration: 16.05 ug/Kg

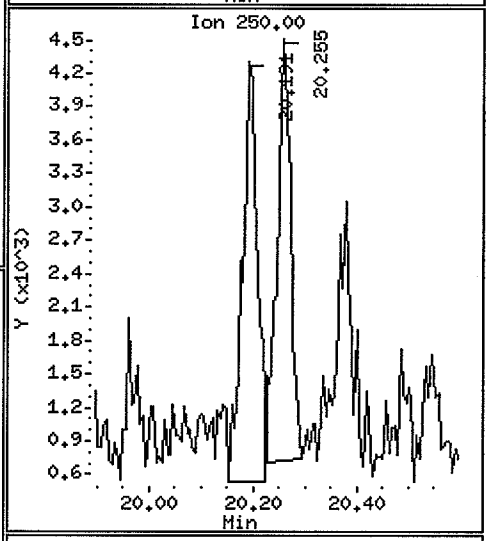


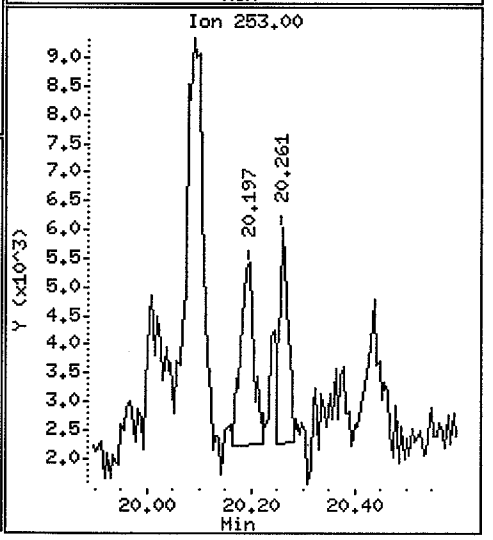












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-08
SAMPLE

Lab Sample ID: LR71K
LIMS ID: 07-20776
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 20:51
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: 41.2%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**59**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	**Naphthalene**	**20**	**65**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	**2-Methylnaphthalene**	**20**	**42**
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	**Acenaphthylene**	**20**	**47**
83-32-9	**Acenaphthene**	**20**	**37**
132-64-9	**Dibenzofuran**	**20**	**51**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**85**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**740**
120-12-7	**Anthracene**	**20**	**100**
84-74-2	**Di-n-Butylphthalate**	**20**	**30**
206-44-0	**Fluoranthene**	**20**	**1,100**
129-00-0	**Pyrene**	**20**	**780**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**300**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**440**
218-01-9	**Chrysene**	**20**	**380**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**260**
207-08-9	**Benzo(k)fluoranthene**	**20**	**420**
50-32-8	**Benzo(a)pyrene**	**20**	**330**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**76**
53-70-3	**Dibenz(a,h)anthracene**	**20**	**26**
191-24-2	**Benzo(g,h,i)perylene**	**20**	**49**

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-08**
 SAMPLE

Lab Sample ID: LR71K
LIMS ID: 07-20776
Matrix: Sediment
Date Analyzed: 10/18/07 20:51

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	35

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	55.2%	2-Fluorobiphenyl	53.6%
d14-p-Terphenyl	71.2%	d4-1,2-Dichlorobenzene	46.4%
d5-Phenol	56.3%	2-Fluorophenol	67.7%
2,4,6-Tribromophenol	72.5%	d4-2-Chlorophenol	57.3%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071018.b/lr71k.d
Lab Smp Id: LR71K Client Smp ID: AN-SS-08
Inj Date : 18-OCT-2007 20:51
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71K
Misc Info : 07-20776
Comment : 1ul Injection
Method : /chem1/nt6.i/20071018.b/SW846.m
Meth Date : 25-Oct-2007 15:32 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 10/25/07

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	86.00000	Weight of sample extracted (g)
M	41.20000	% 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	5.976	5.917	(0.755)	363340	25.3721	501.7
$	2 Phenol-d5	99	7.509	7.488	(0.949)	386157	21.1090	417.4
	3 Phenol	94	7.530	7.504	(0.951)	14089	0.62144 LOL	12.29
$	5 2-Chlorophenol-d4	132	7.616	7.600	(0.962)	262252	21.5243	425.7
	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	7.915	7.904	(1.000)	194329	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	8.214	8.204	(1.038)	106295	11.6339	230.1
	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	8.689	8.674	(1.098)	40550	2.97140	58.76
$	18 Nitrobenzene-d5	82	8.850	8.845	(0.887)	267555	13.7598	272.1
	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	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.971	9.961	(1.000)	605202	20.0000	
	28 Naphthalene	128	10.004	9.999	(1.003)	122201	3.27571	64.78
	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	11.131	11.126	(1.116)	39735	2.11983	41.92
	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	11.788	11.777	(0.917)	400583	13.4419	265.8
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	12.594	12.584	(0.980)	93173	2.37394	46.95
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.856	12.841	(1.000)	382755	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.904	12.894	(1.004)	46381	1.87237	37.03
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	13.166	13.156	(1.024)	89816	2.58804	51.18
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	13.722	13.711	(1.067)	118011	4.30520	85.14
	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	14.154	14.139	(1.101)	101154	27.2393	538.7
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	15.239	15.223	(1.000)	698411	20.0000	
	60 Phenanthrene	178	15.282	15.261	(1.003)	1668610	37.2370	736.4
	61 Anthracene	178	15.346	15.335	(1.007)	227154	5.06264	100.1
	62 Carbazole	167	15.639	15.624	(1.026)	104901	2.62835	51.98

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)	
63	Di-n-butylphthalate	149	16.371	16.350	(1.074)	69242	1.48789	29.42	
64	Fluoranthene	202	17.242	17.205	(1.131)	2763886	53.9357	1067	
65	Pyrene	202	17.600	17.563	(0.898)	2568651	39.7146	785.4	
$ 66	Terphenyl-d14	244	17.915	17.884	(0.914)	720919	17.8077	352.2	
67	Butylbenzylphthalate	149	Compound Not Detected.						
68	Benzo(a)anthracene	228	19.577	19.529	(0.999)	1058194	14.9973	296.6	
* 69	Chrysene-d12	240	19.603	19.556	(1.000)	900542	20.0000		(M)
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.						
71	Chrysene	228	19.641	19.598	(1.002)	1219640	19.2349	380.4	
72	bis(2-Ethylhexyl)phthalate	149	19.828	19.785	(0.955)	846666	22.3954	442.9	
* 134	Di-n-octylphthalate-d4	153	20.752	20.720	(1.000)	1250276	20.0000		
73	Di-n-octylphthalate	149	Compound Not Detected.						
74	Benzo(b)fluoranthene	252	21.238	21.190	(0.976)	491823	13.3770	264.5	
75	Benzo(k)fluoranthene	252	21.259	21.228	(0.977)	831787	21.3866	422.9	(M)
76	Benzo(a)pyrene	252	21.687	21.639	(0.996)	565551	16.7567	331.4	
* 77	Perylene-d12	264	21.767	21.719	(1.000)	511997	20.0000		
78	Indeno(1,2,3-cd)pyrene	276	23.252	23.215	(1.068)	153844	3.84349	76.01	
79	Dibenzo(a,h)anthracene	278	23.273	23.236	(1.069)	43339	1.28872	25.48	
80	Benzo(g,h,i)perylene	276	23.669	23.616	(1.087)	98306	2.45598	48.57	
90	N-Nitrosodimethylamine	74	Compound Not Detected.						
91	Aniline	93	Compound Not Detected.						
93	Benzidine	184	17.520	17.461	(0.894)	37261	1.23252	24.37	RT
103	Pyridine	79	Compound Not Detected.						
105	1-methylnaphthalene	141	11.307	11.297	(1.134)	33044	1.76776	34.96	
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: lr71k.d
Lab Smp Id: LR71K
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20776

Calibration Date: 18-OCT-2007
Calibration Time: 10:07
Client Smp ID: AN-SS-08
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	194329	-8.37
27 Naphthalene-d8	656578	328289	1313156	605202	-7.82
42 Acenaphthene-d10	353705	176852	707410	382755	8.21
59 Phenanthrene-d10	526440	263220	1052880	698411	32.67
69 Chrysene-d12	581923	290962	1163846	900542	54.75
134 Di-n-octylphthala	979097	489548	1958194	1250276	27.70
77 Perylene-d12	686531	343266	1373062	511997	-25.42

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.90	7.40	8.40	7.91	0.13
27 Naphthalene-d8	9.96	9.46	10.46	9.97	0.10
42 Acenaphthene-d10	12.84	12.34	13.34	12.86	0.12
59 Phenanthrene-d10	15.22	14.72	15.72	15.24	0.10
69 Chrysene-d12	19.56	19.06	20.06	19.60	0.24
134 Di-n-octylphthala	20.72	20.22	21.22	20.75	0.15
77 Perylene-d12	21.72	21.22	22.22	21.77	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

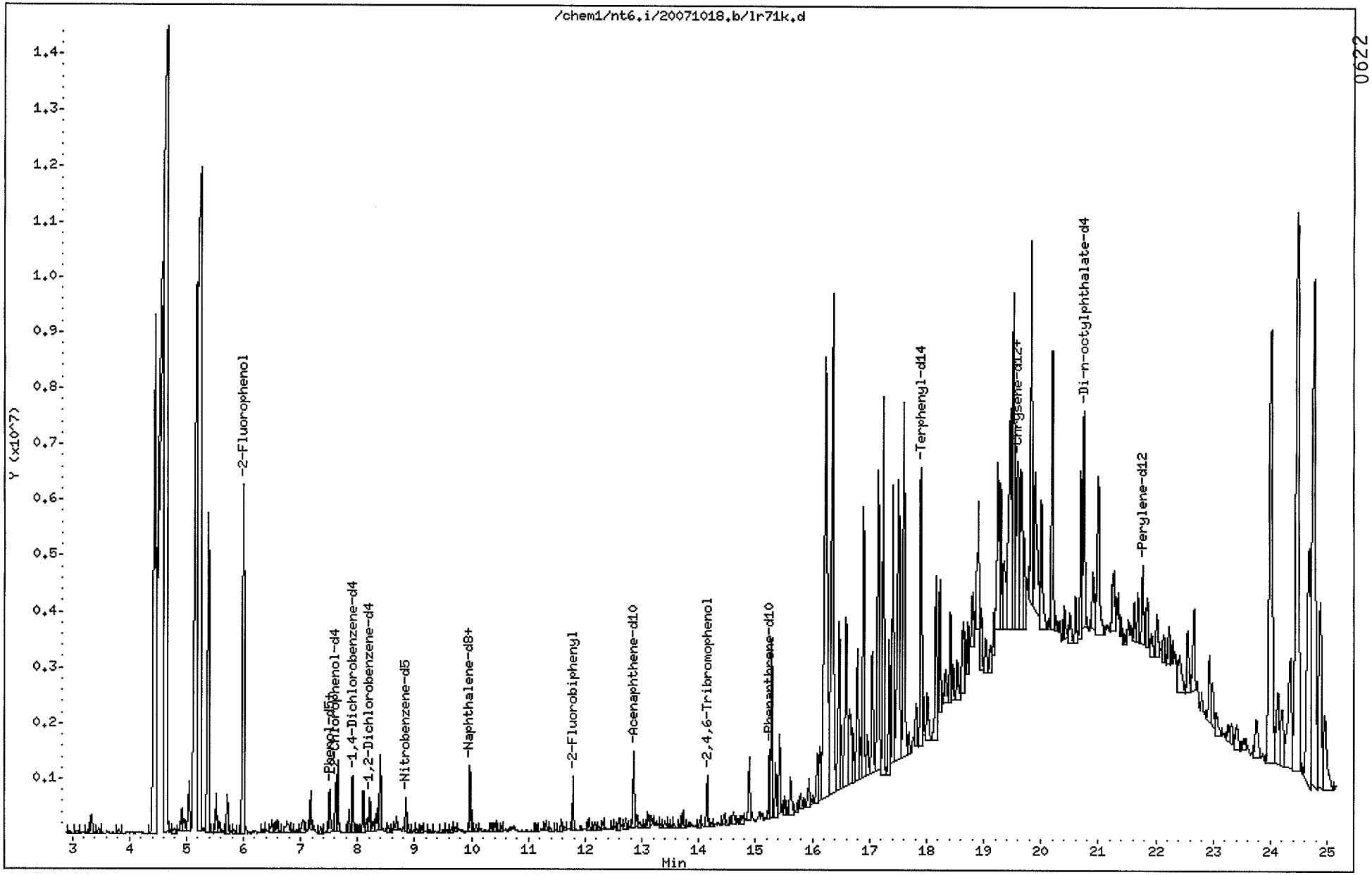
Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71K
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20776

Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-08
Operator: LJR/VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	741.6	501.7	67.66	11-84
$ 2 Phenol-d5	741.6	417.4	56.29	25-86
$ 5 2-Chlorophenol-d4	741.6	425.7	57.40	23-91
$ 10 1,2-Dichlorobenzen	494.4	230.1	46.54	24-90
$ 18 Nitrobenzene-d5	494.4	272.1	55.04	26-88
$ 36 2-Fluorobiphenyl	494.4	265.8	53.77	34-91
$ 55 2,4,6-Tribromophen	741.6	538.7	72.64	25-107
$ 66 Terphenyl-d14	494.4	352.2	71.23	22-100

Data File: /chem1/nt6.i/20071018.b/lr71k.d
Date : 18-OCT-2007 20:51
Client ID: AN-SS-08
Sample Info: LR71K
Volume Injected (uL): 1.0
Column phase: ZB-5

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



Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

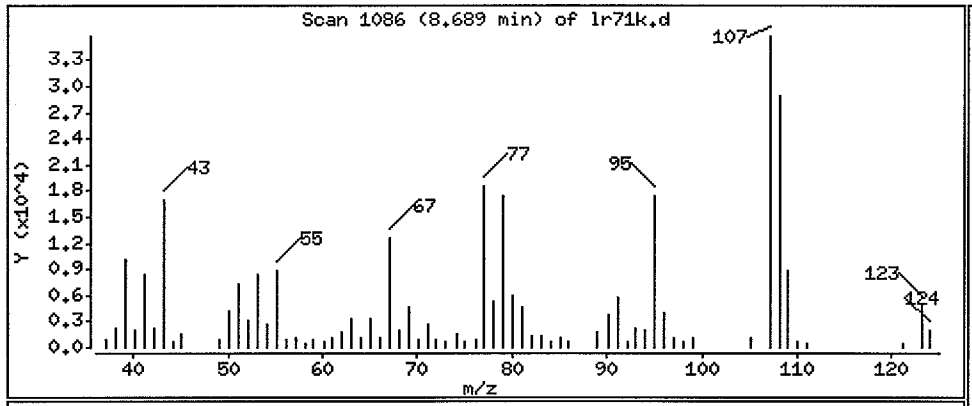
Client ID: AN-SS-08 Instrument: nt6.i

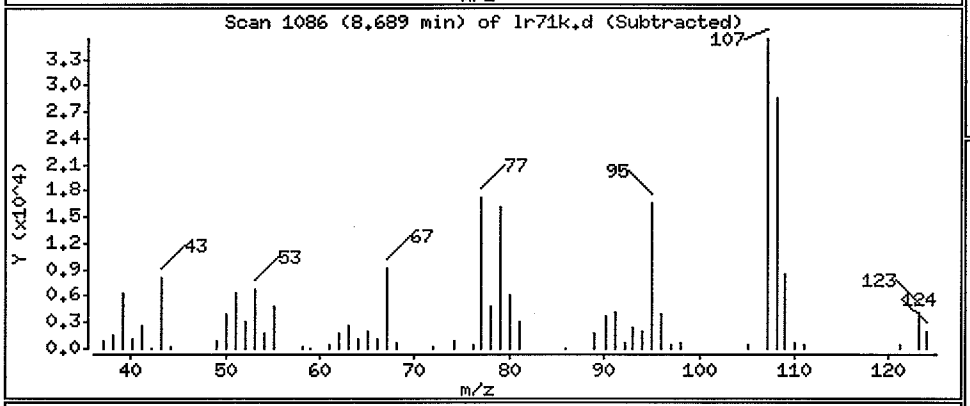
Sample Info: LR71K

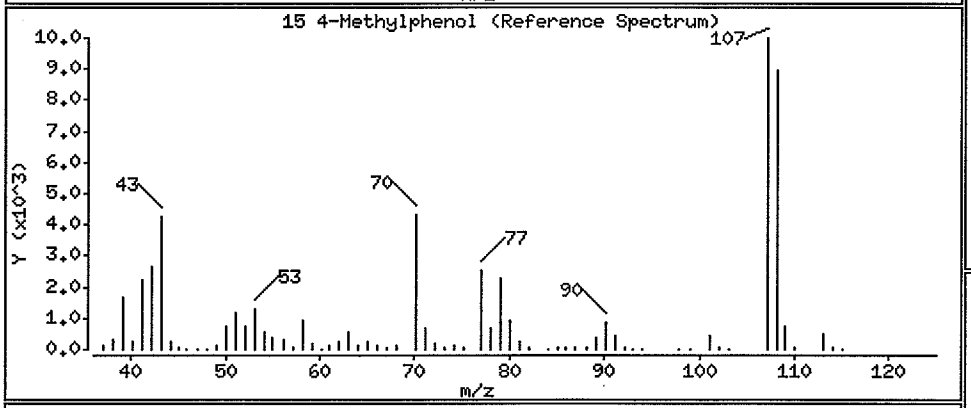
Volume Injected (uL): 1.0 Operator: LJR/VTS

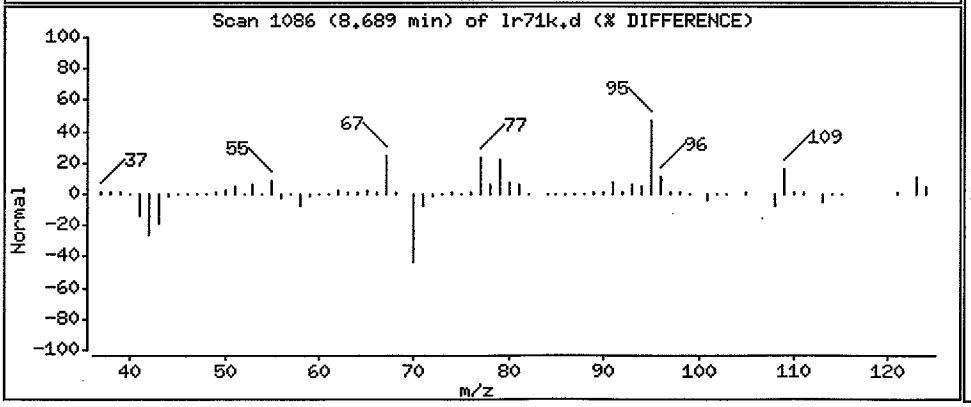
Column phase: ZB-5 Column diameter: 0.32

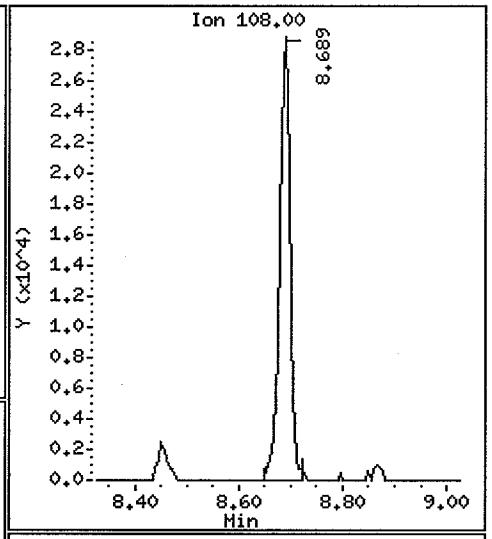
15 4-Methylphenol Concentration: 58.76 ug/kg

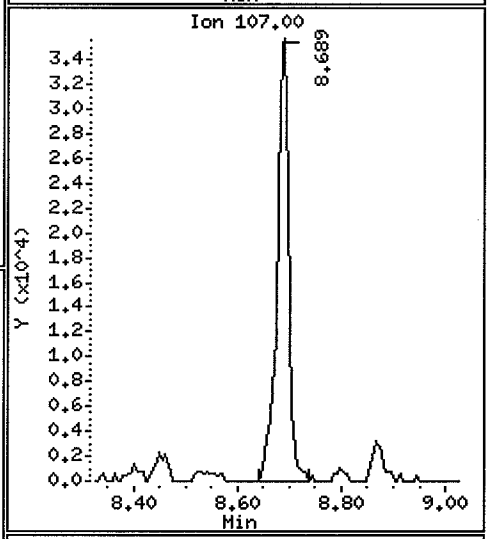


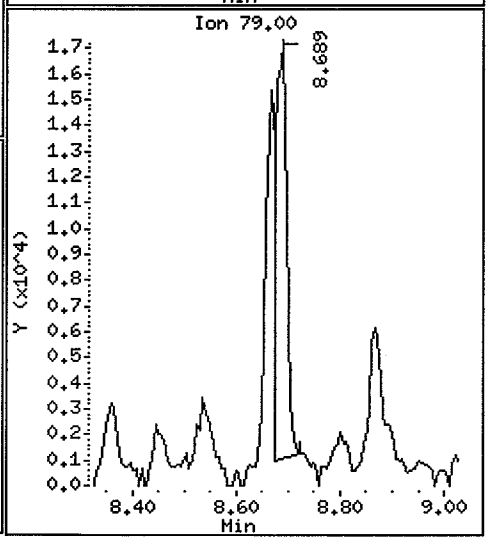












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

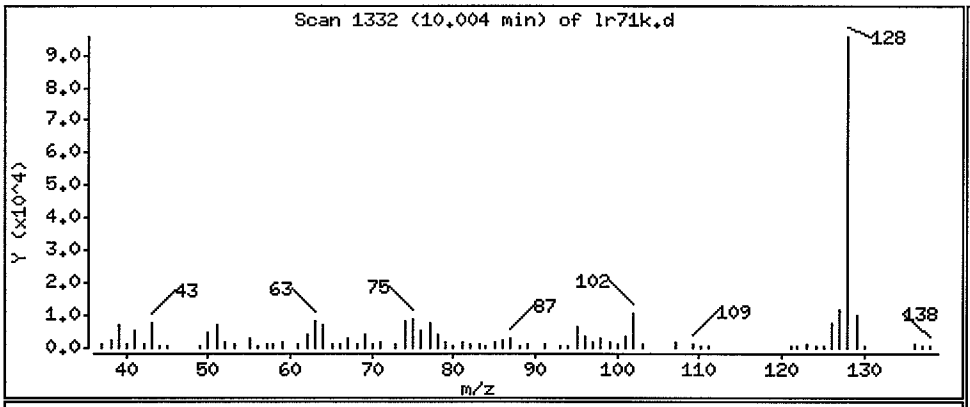
Operator: LJR/VTS

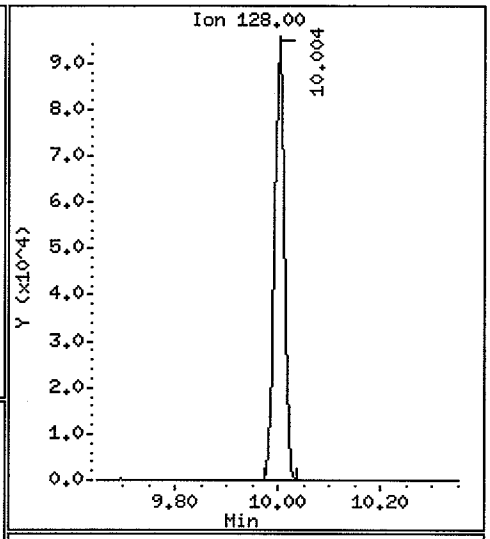
Column phase: ZB-5

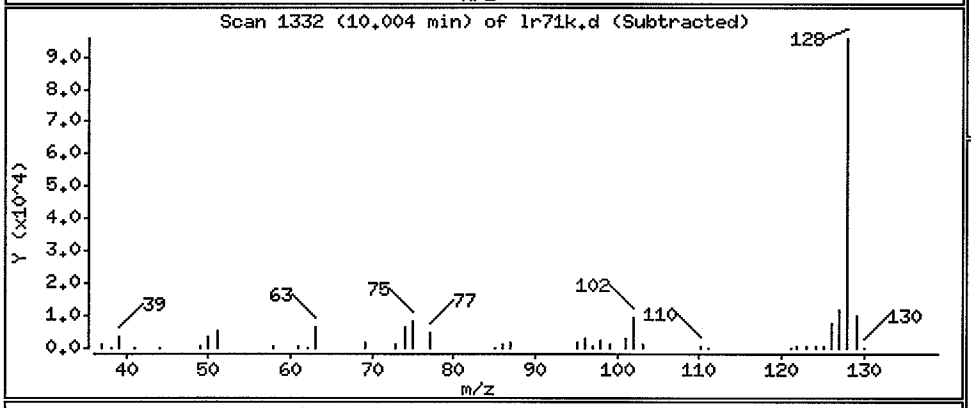
Column diameter: 0.32

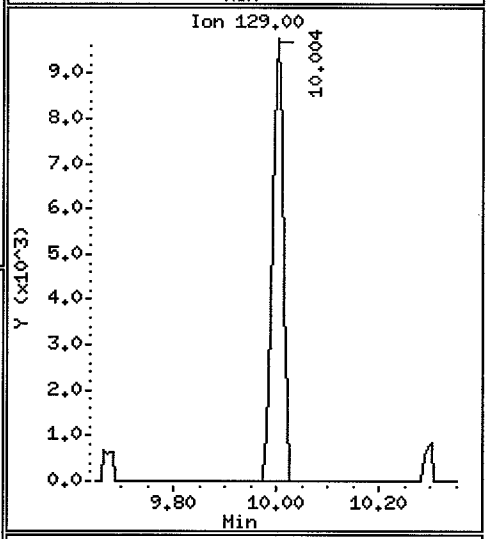
28 Naphthalene

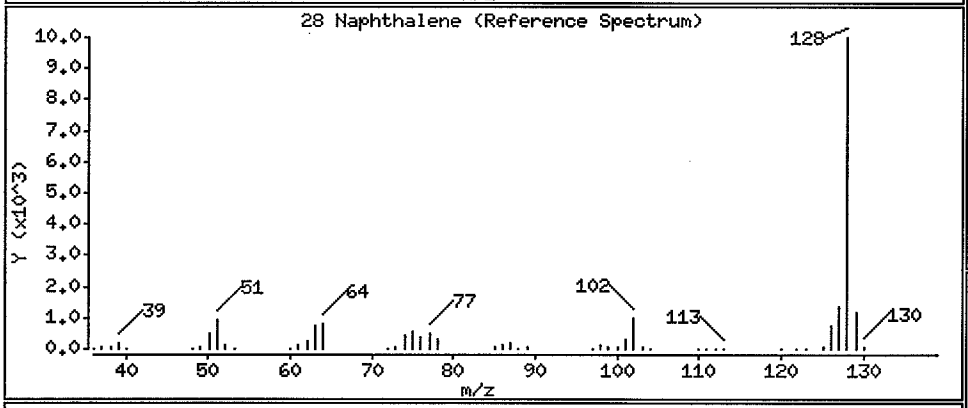
Concentration: 64.78 ug/kg

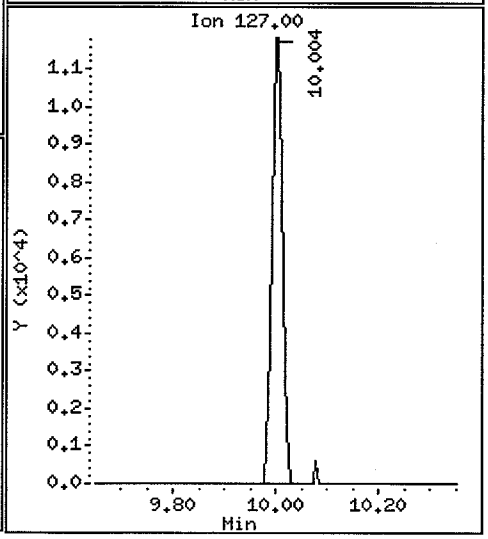


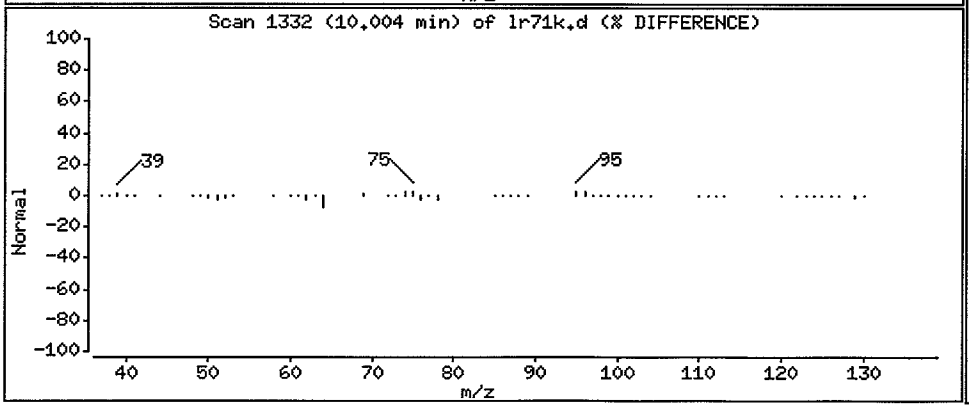












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

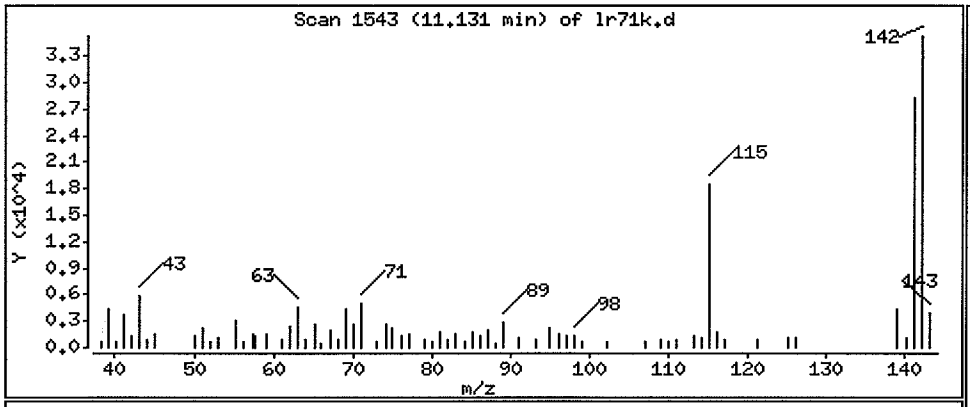
Client ID: AN-SS-08 Instrument: nt6.i

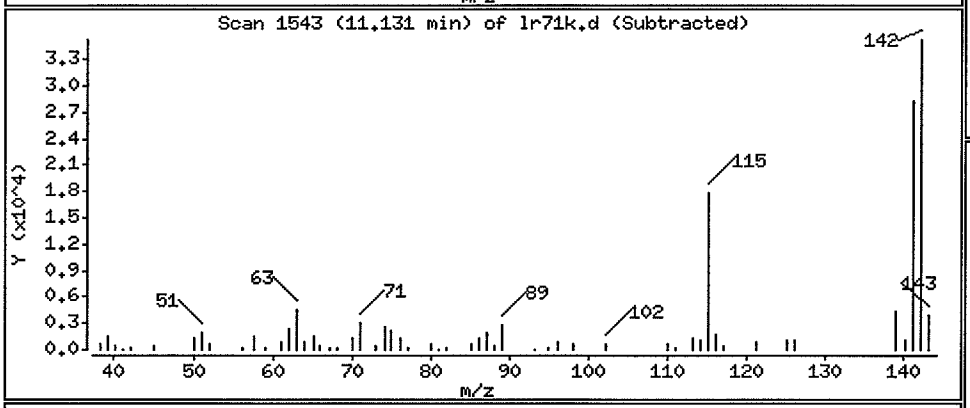
Sample Info: LR71K

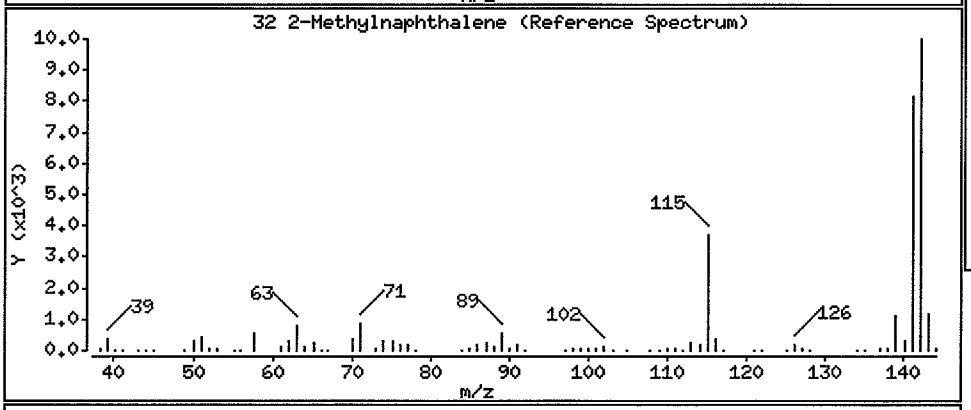
Volume Injected (uL): 1.0 Operator: LJR/VTS

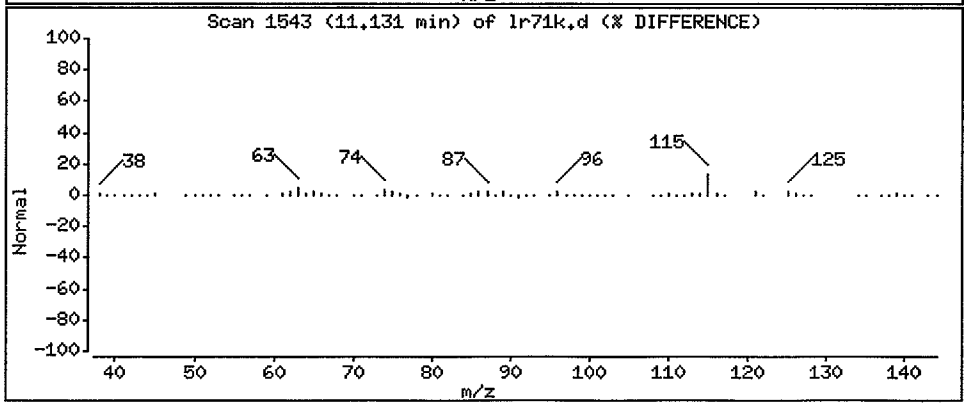
Column phase: ZB-5 Column diameter: 0.32

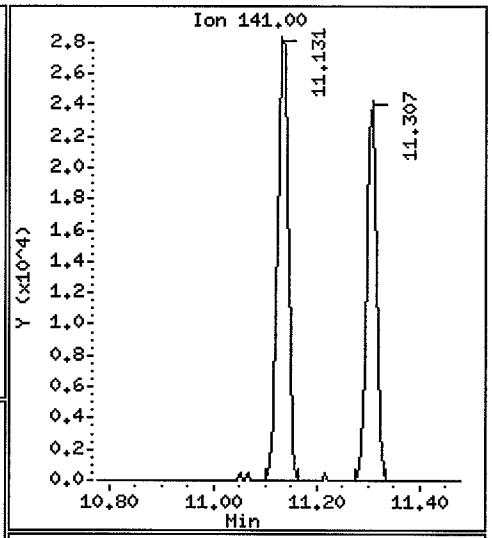
32 2-Methylnaphthalene Concentration: 41.92 ug/kg

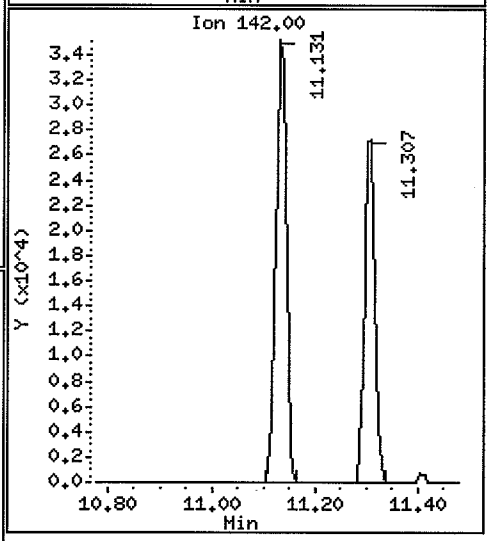












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

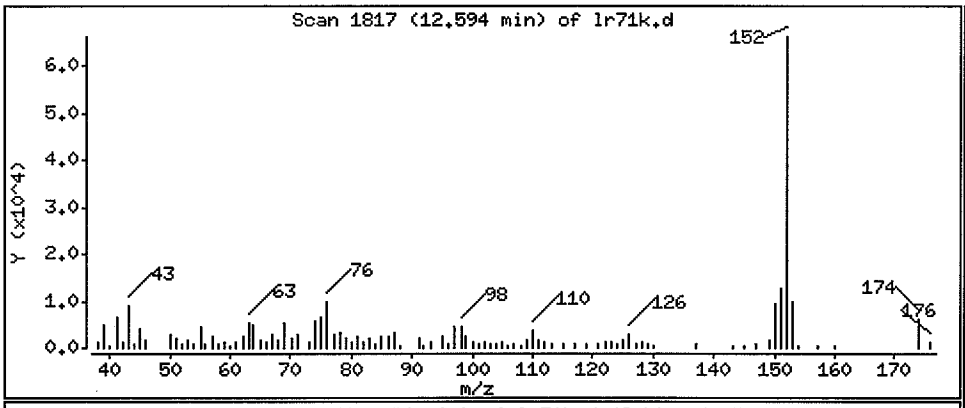
Operator: LJR/VTS

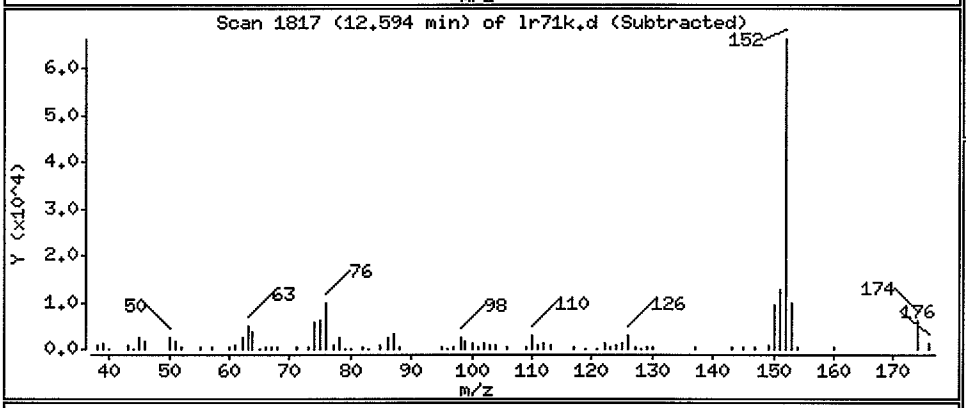
Column phase: ZB-5

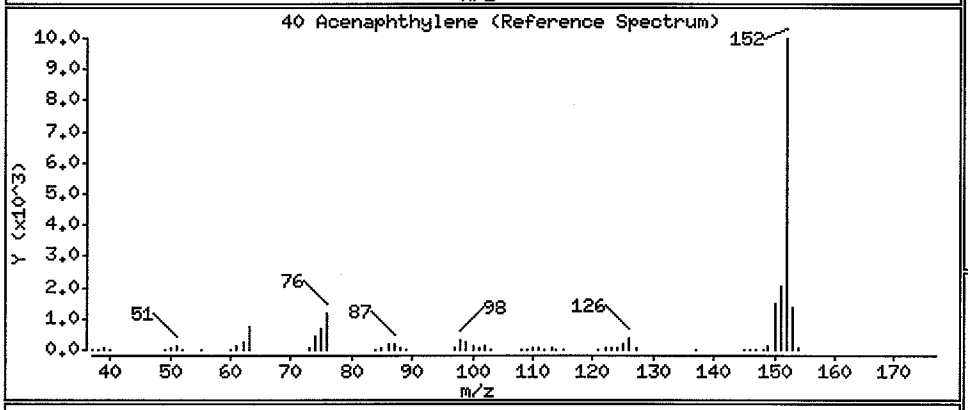
Column diameter: 0.32

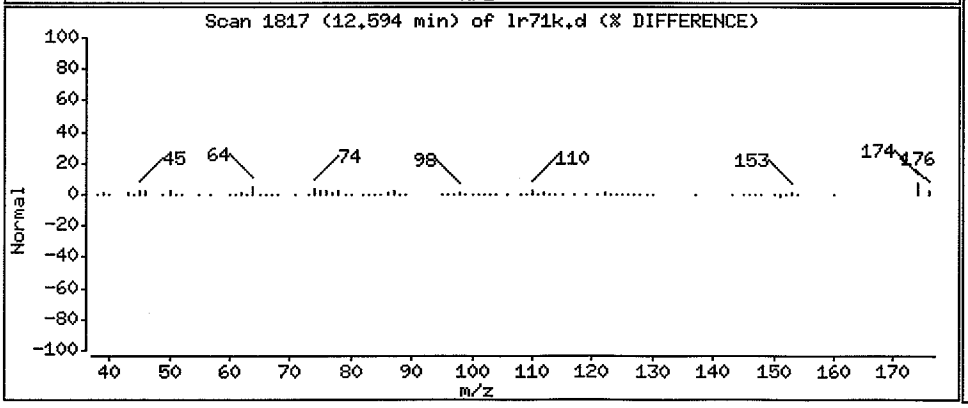
40 Acenaphthylene

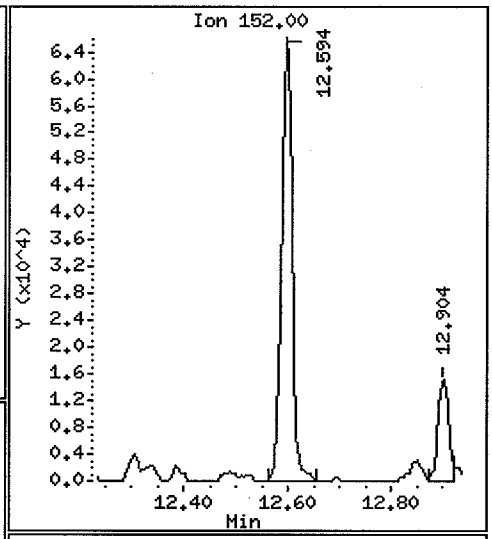
Concentration: 46.95 ug/kg

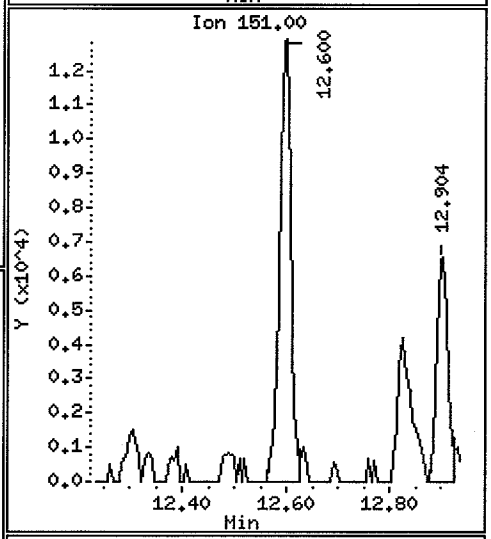


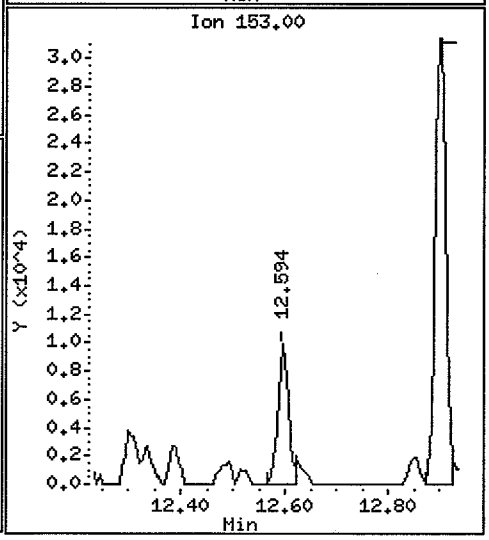












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

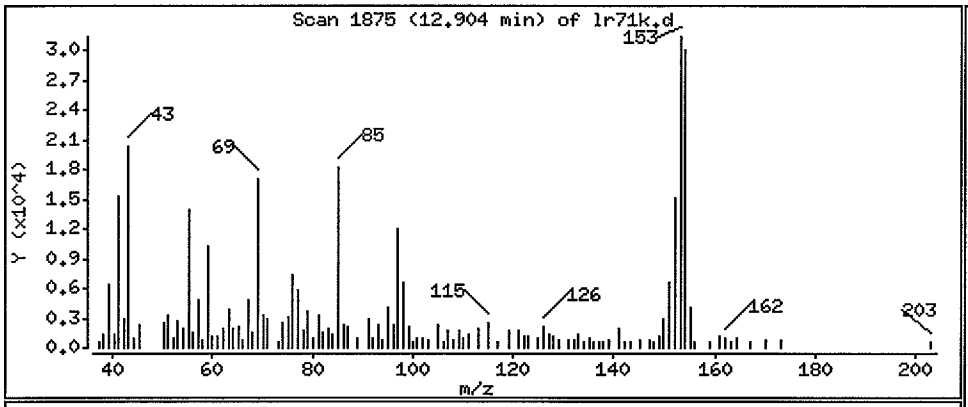
Operator: LJR/VTS

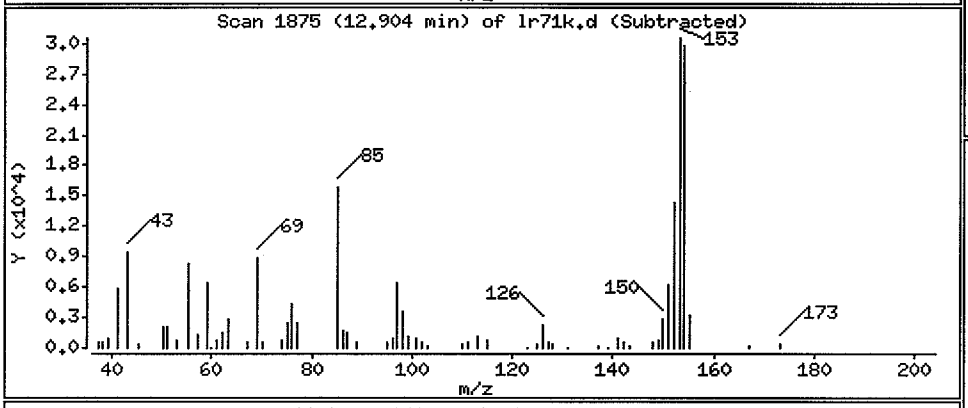
Column phase: ZB-5

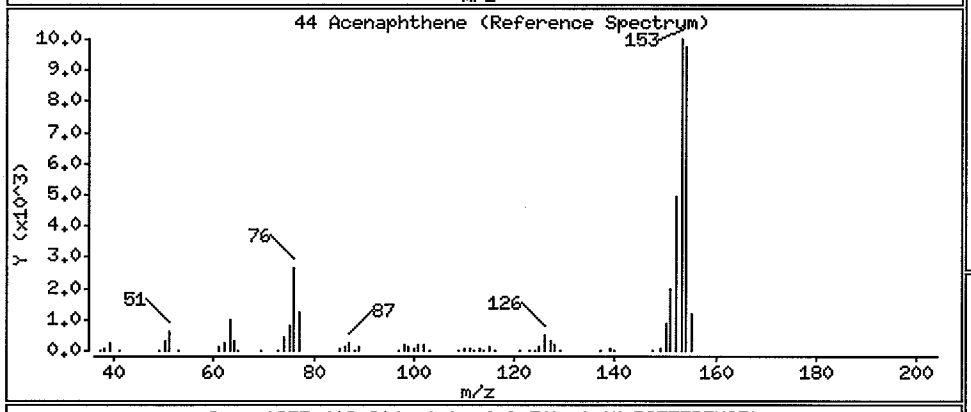
Column diameter: 0.32

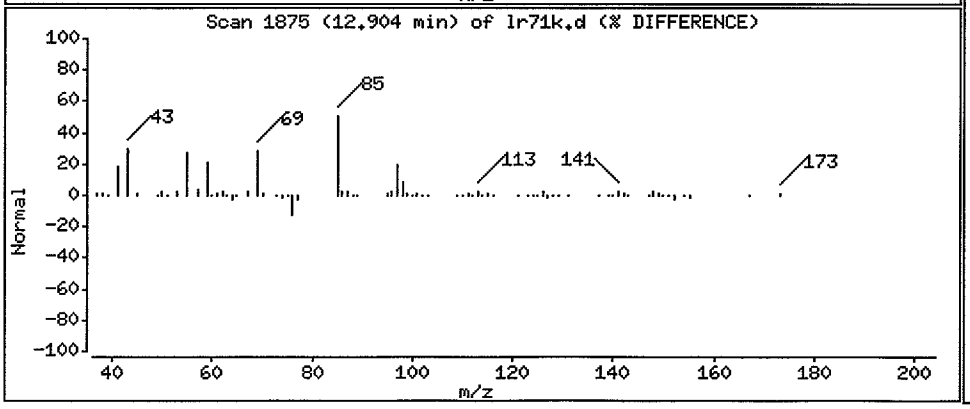
44 Acenaphthene

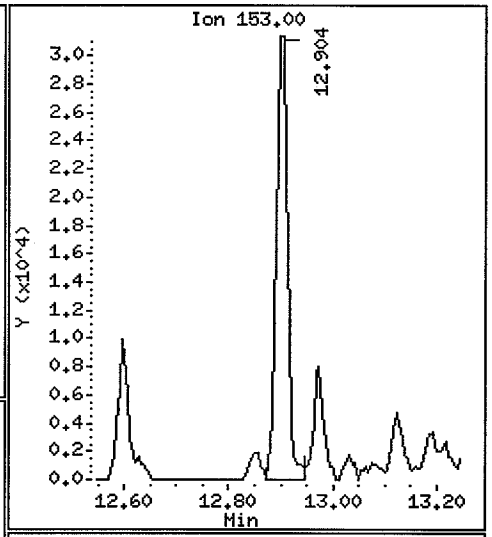
Concentration: 37.03 ug/kg

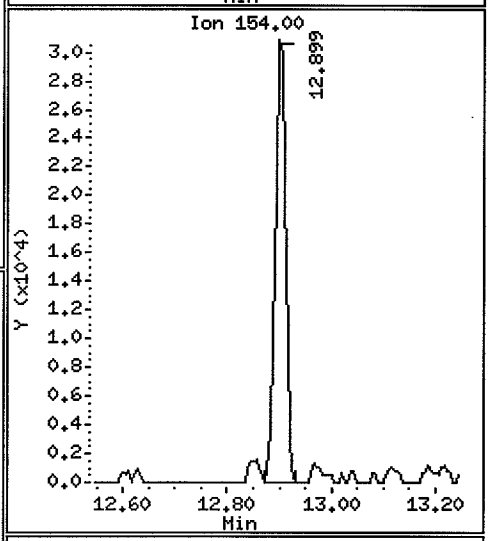


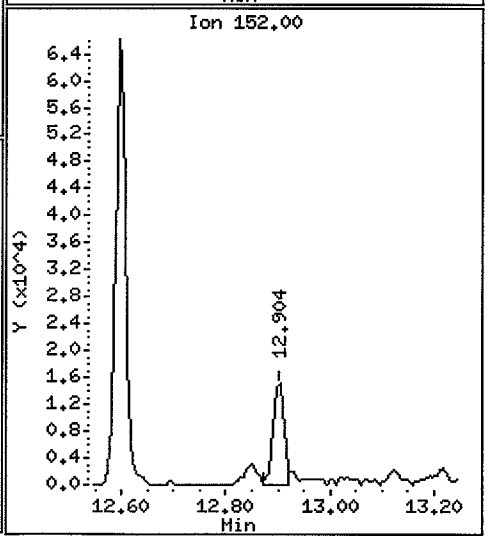












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

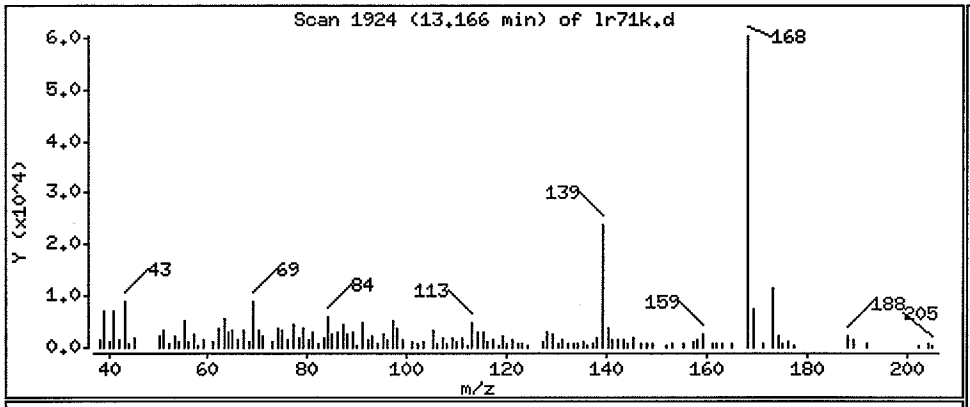
Client ID: AN-SS-08 Instrument: nt6.i

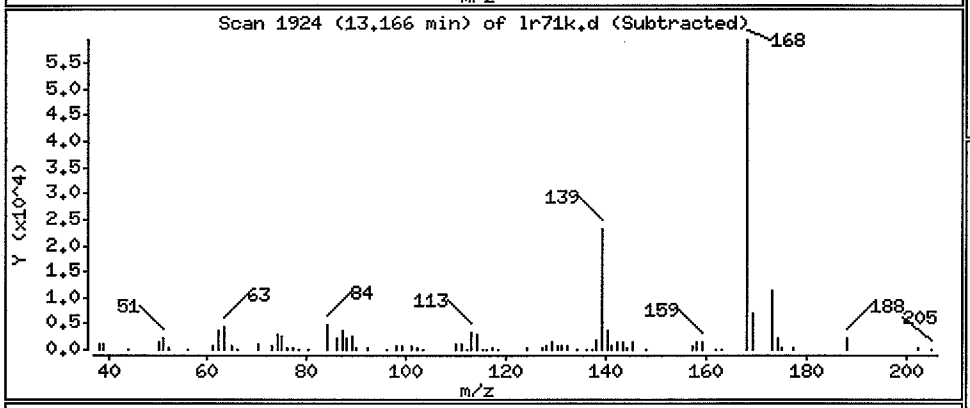
Sample Info: LR71K

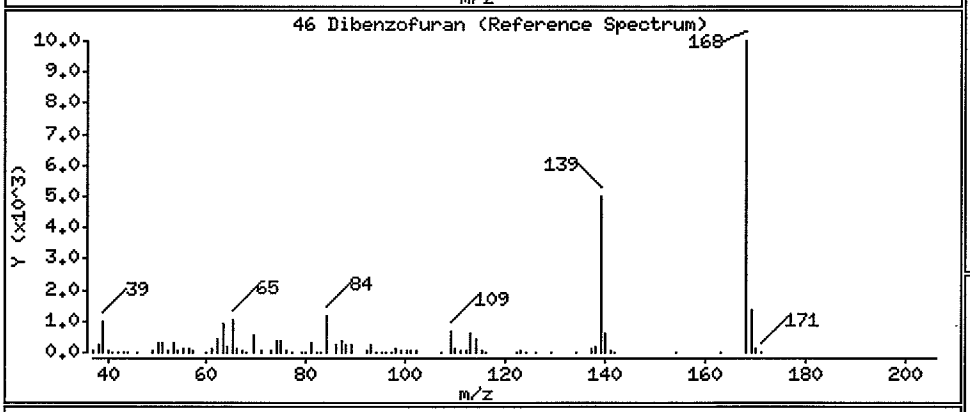
Volume Injected (uL): 1.0 Operator: LJR/VTS

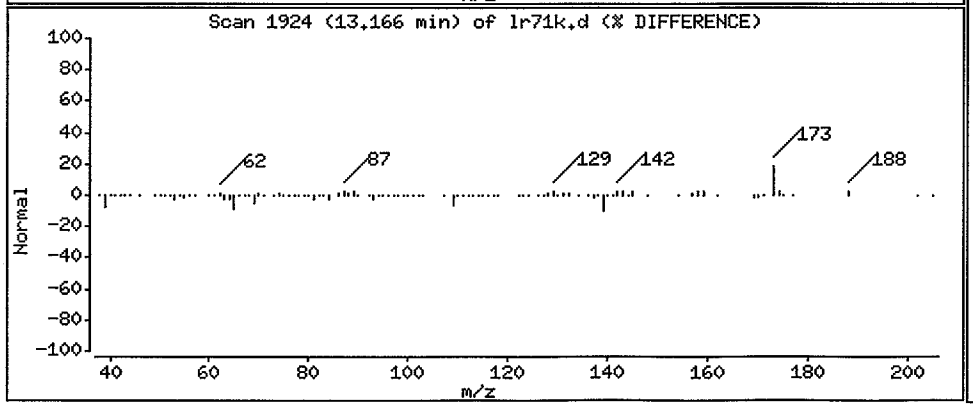
Column phase: ZB-5 Column diameter: 0.32

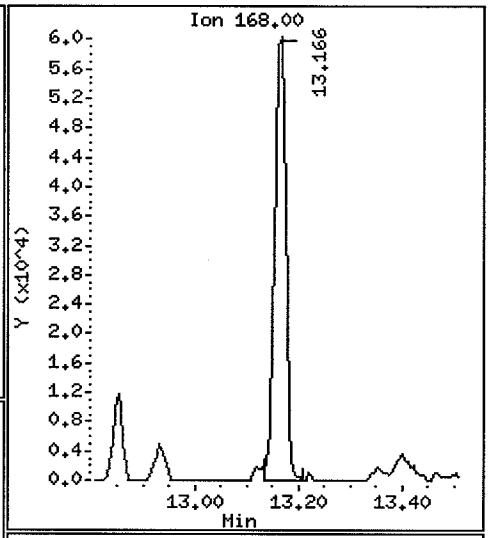
46 Dibenzofuran Concentration: 51.18 ug/kg

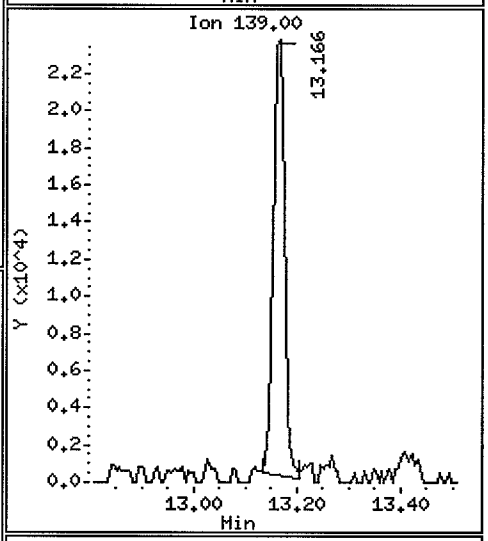


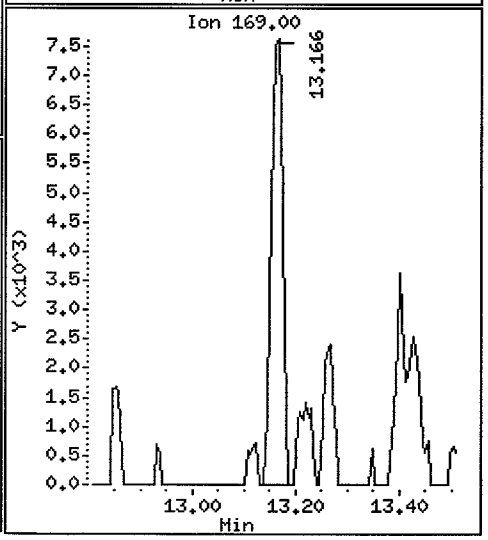












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

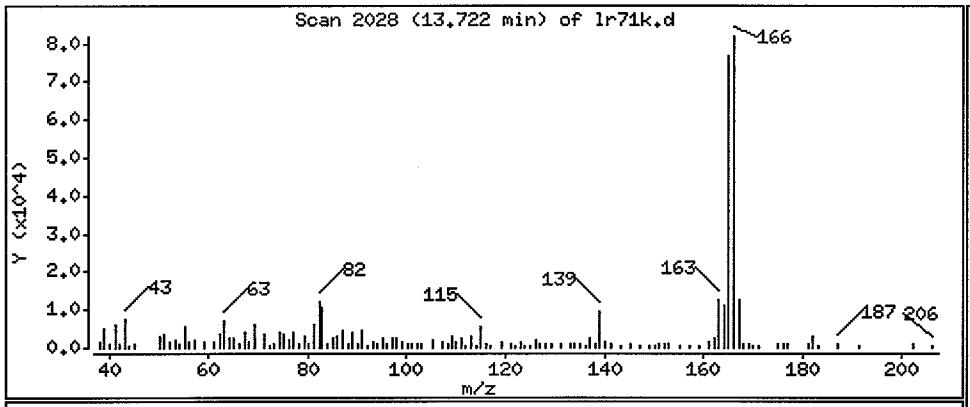
Operator: LJR/VTS

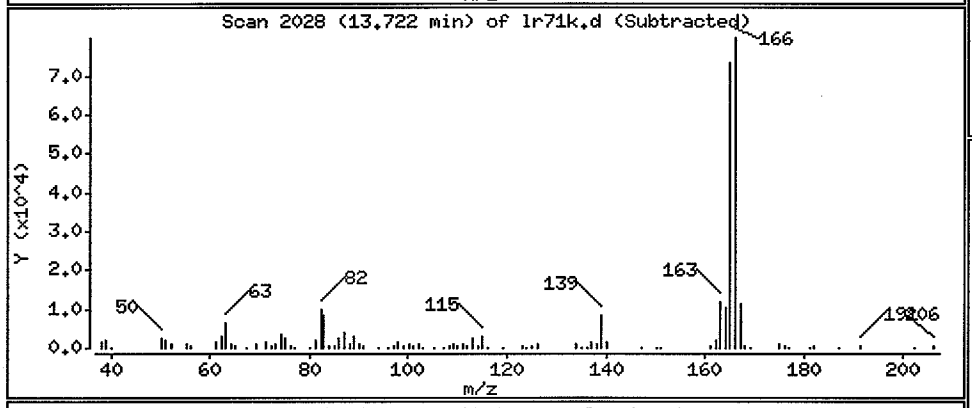
Column phase: ZB-5

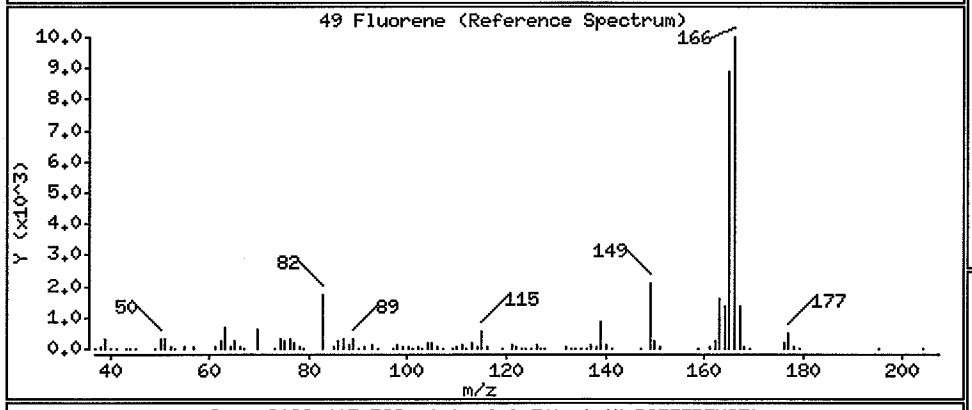
Column diameter: 0.32

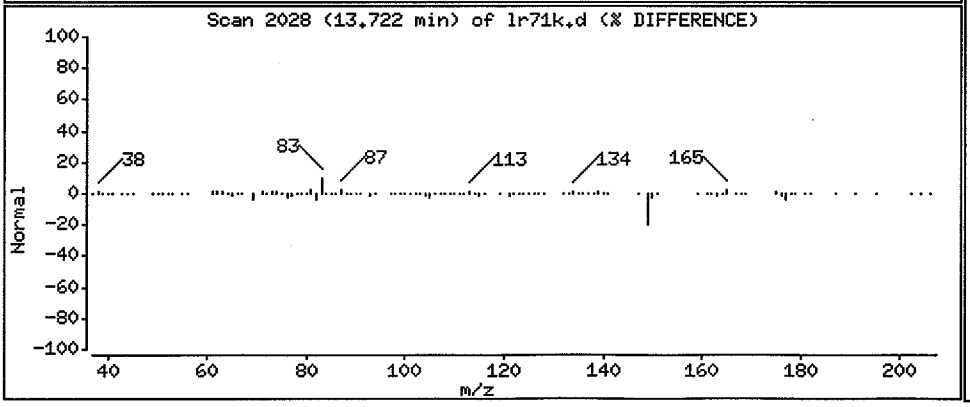
49 Fluorene

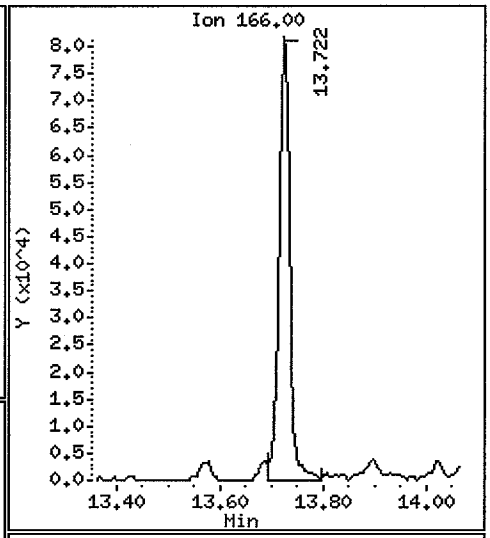
Concentration: 85.14 ug/kg

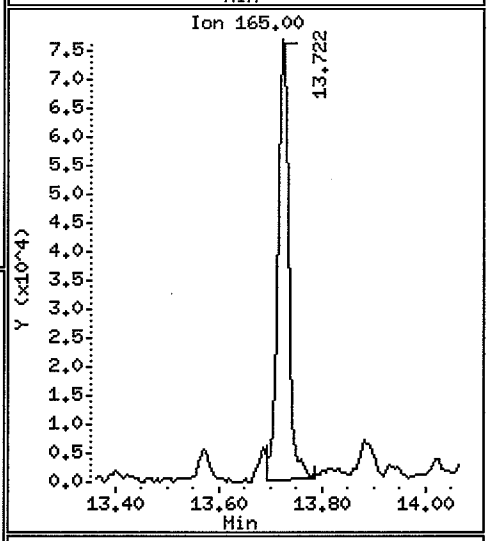


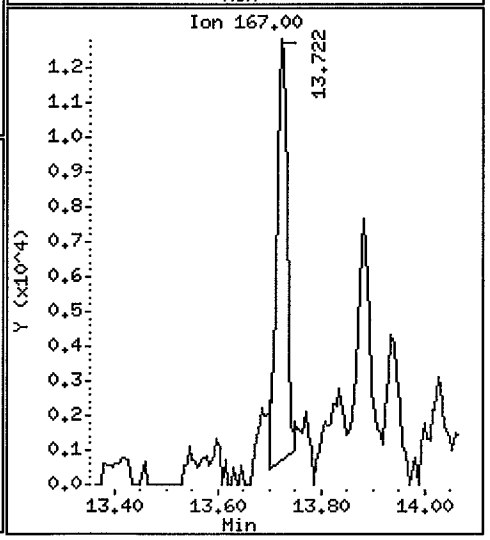












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

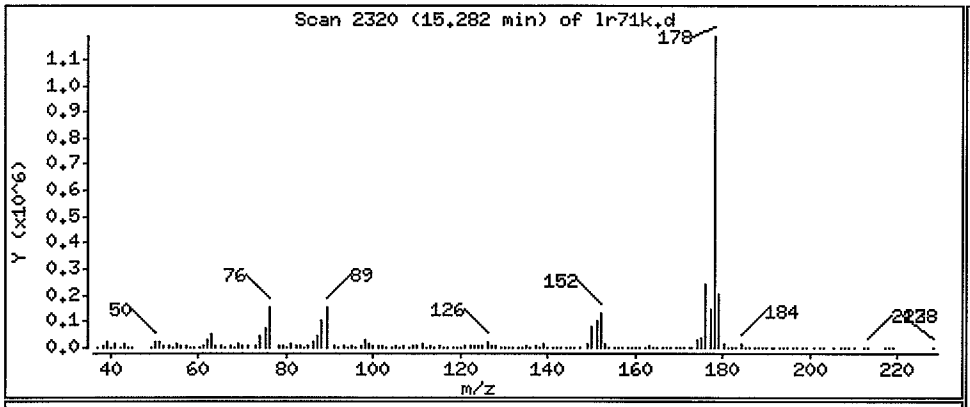
Operator: LJR/VTS

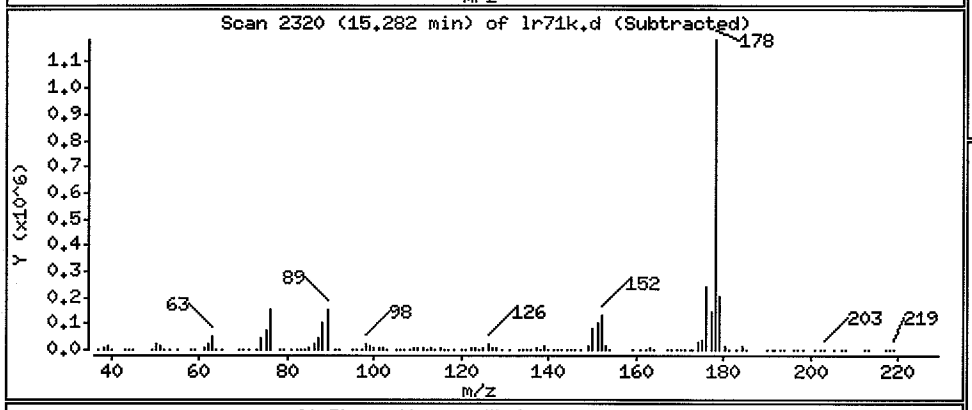
Column phase: ZB-5

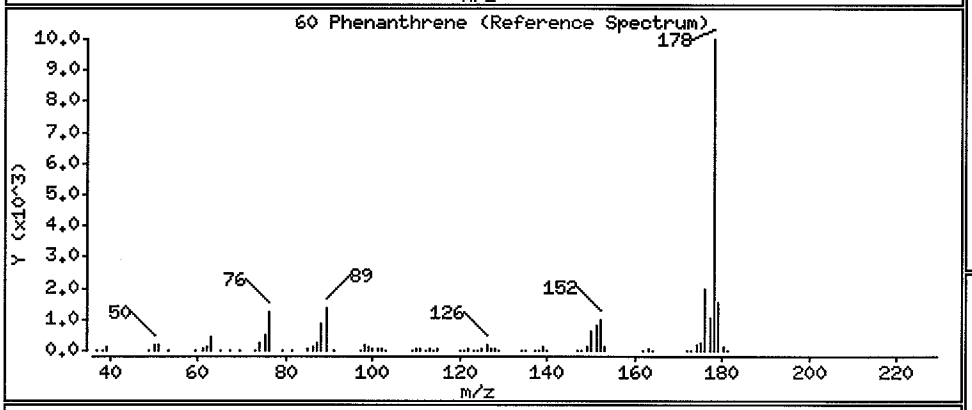
Column diameter: 0.32

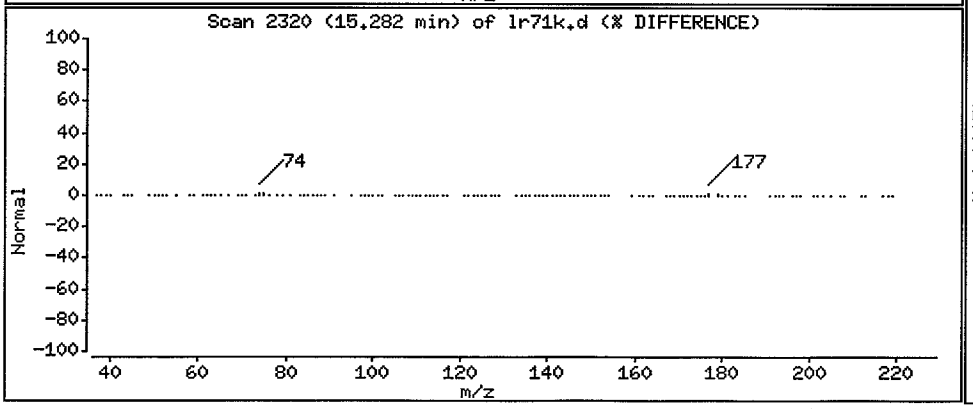
60 Phenanthrene

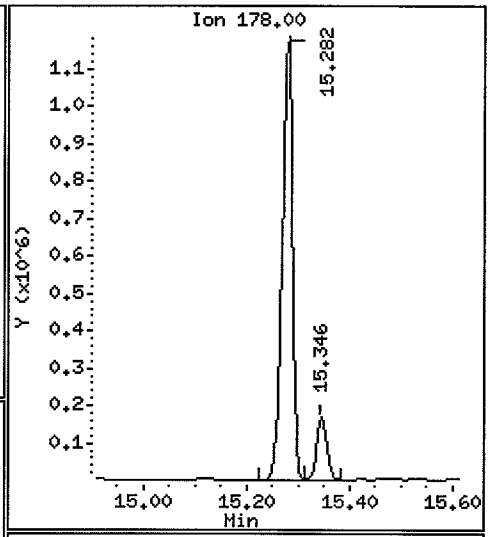
Concentration: 736.4 ug/kg

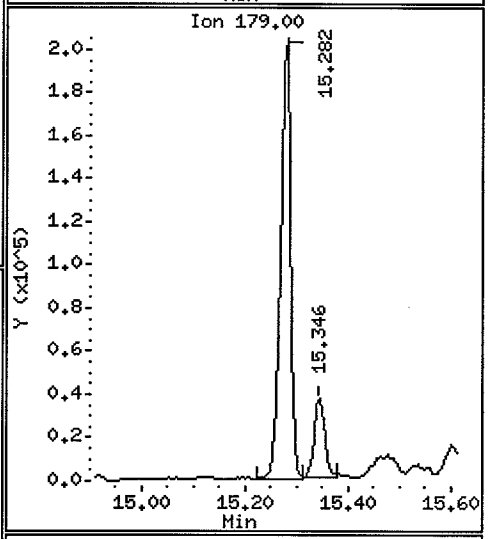


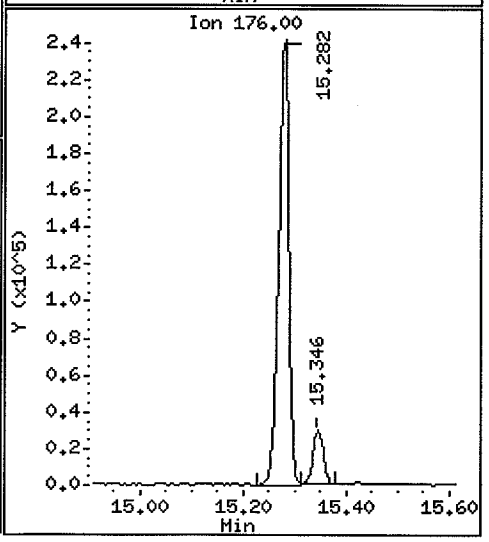












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

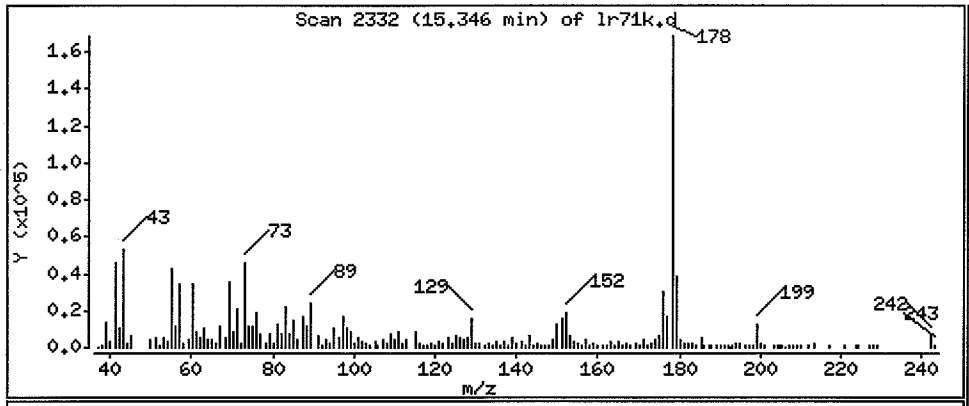
Operator: LJR/VTS

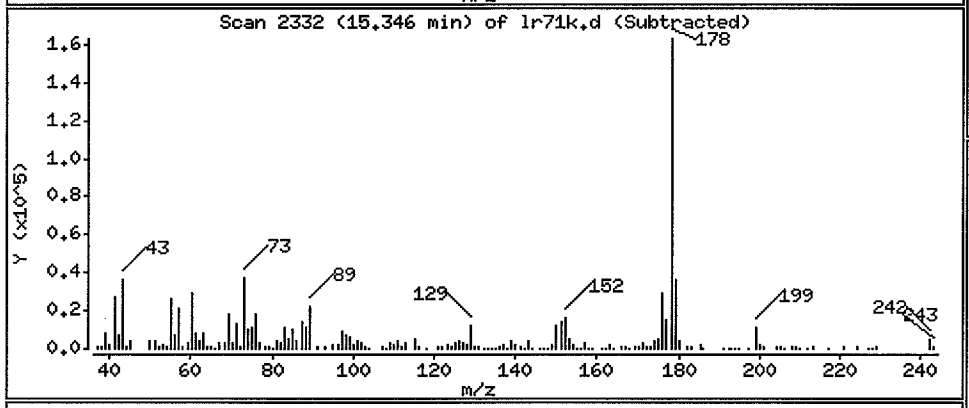
Column phase: ZB-5

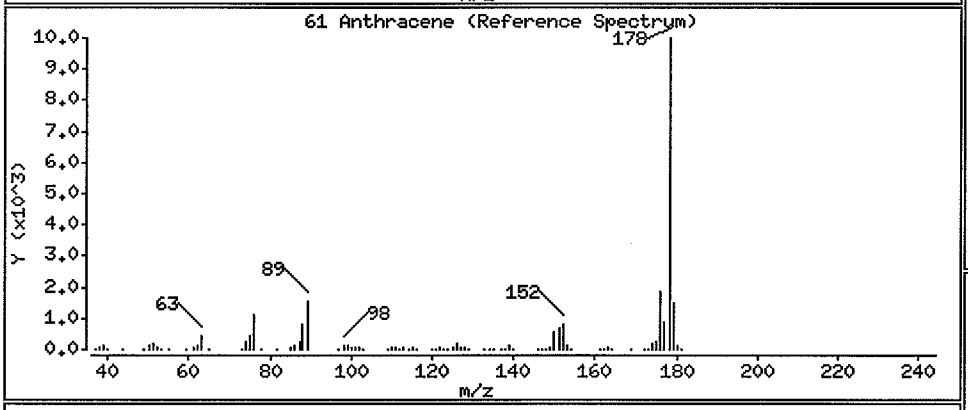
Column diameter: 0.32

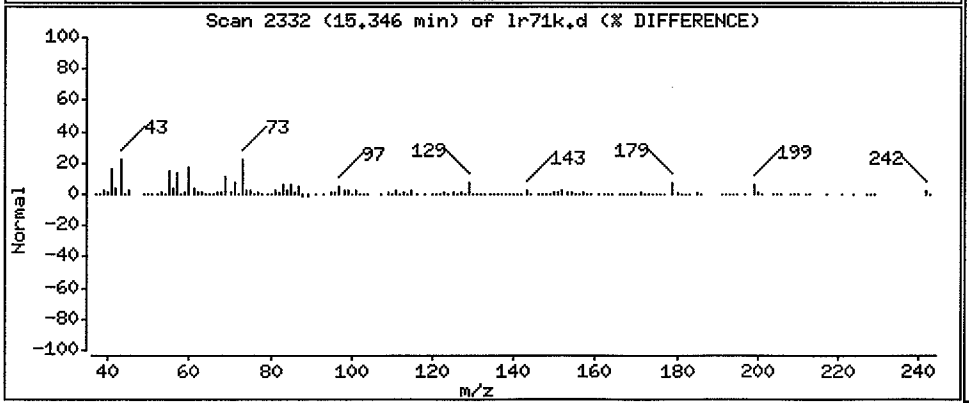
61 Anthracene

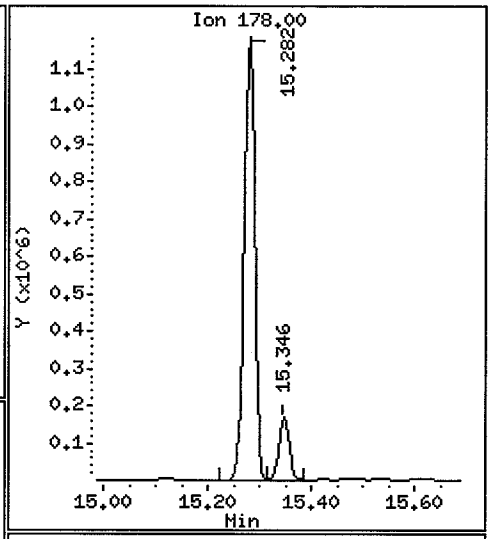
Concentration: 100.1 ug/kg

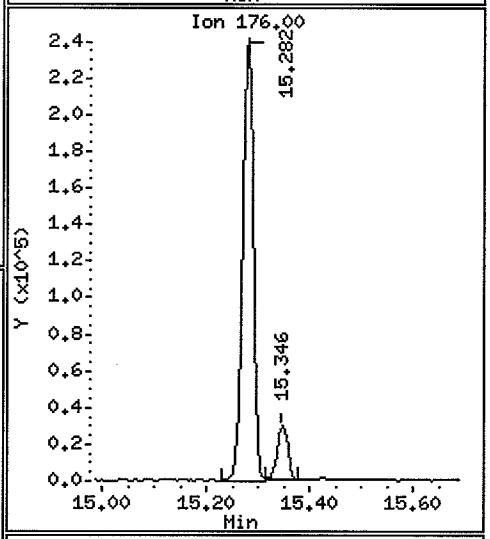


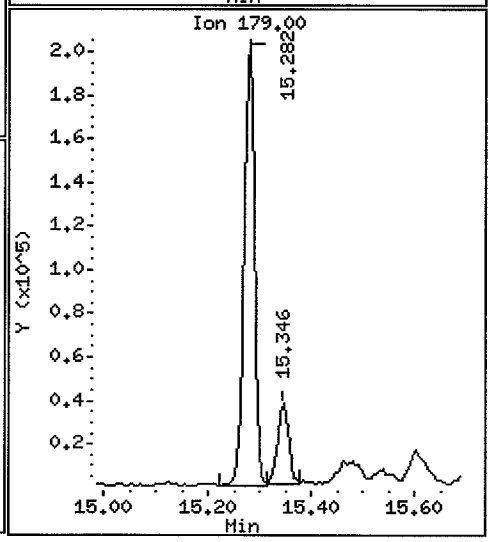












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

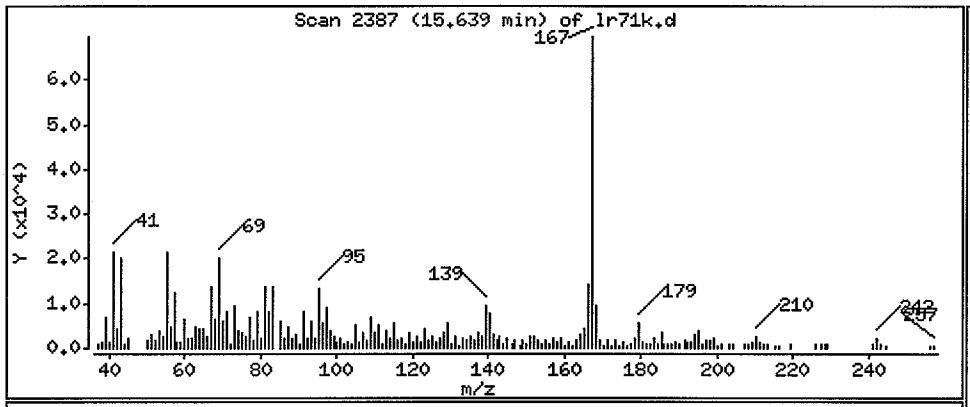
Operator: LJR/VTS

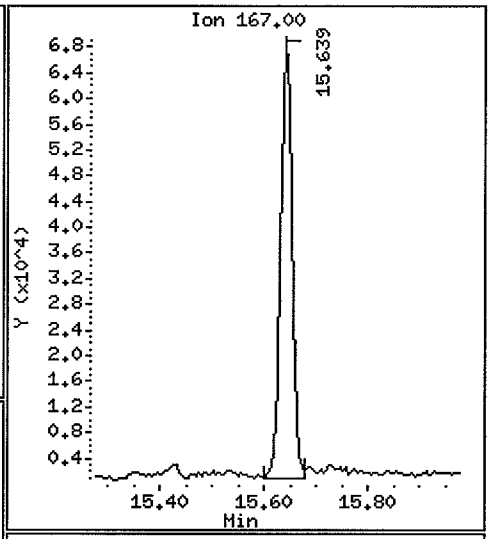
Column phase: ZB-5

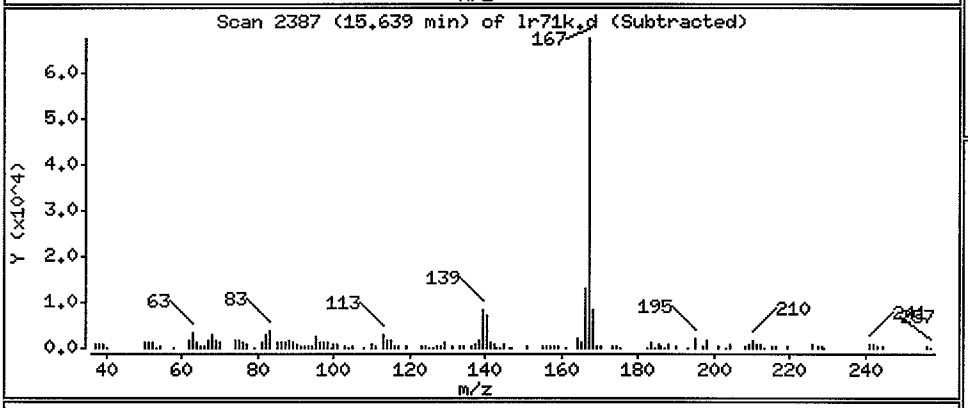
Column diameter: 0.32

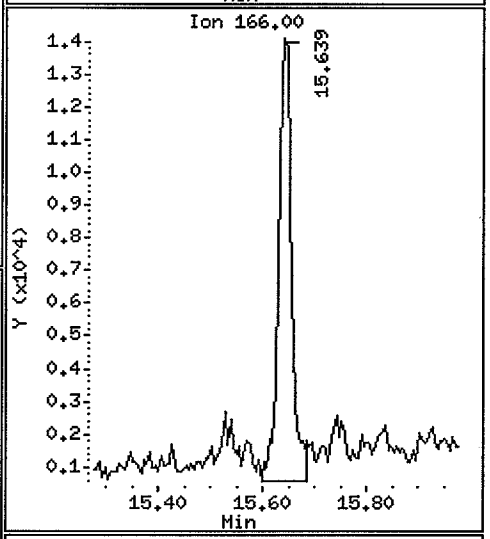
62 Carbazole

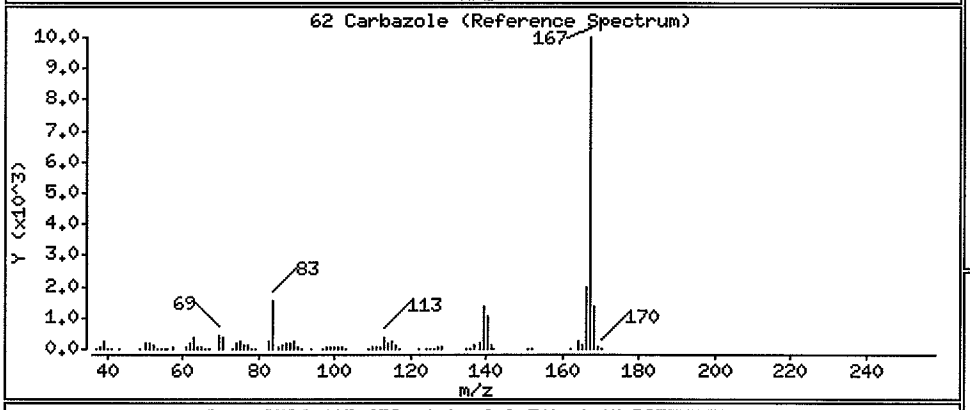
Concentration: 51.98 ug/kg

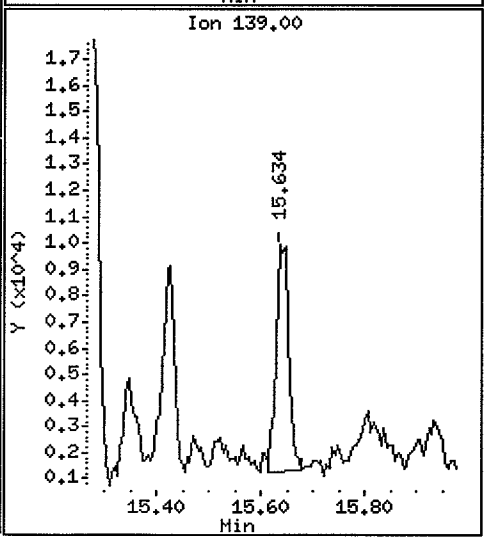


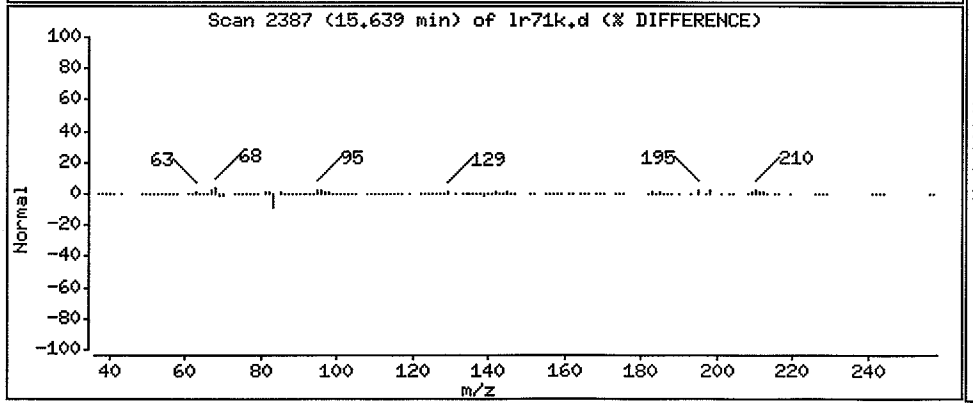












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

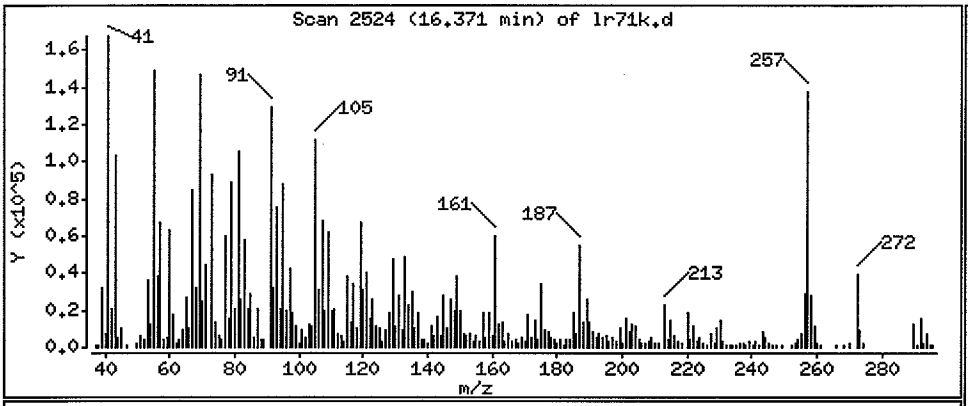
Client ID: AN-SS-08 Instrument: nt6.i

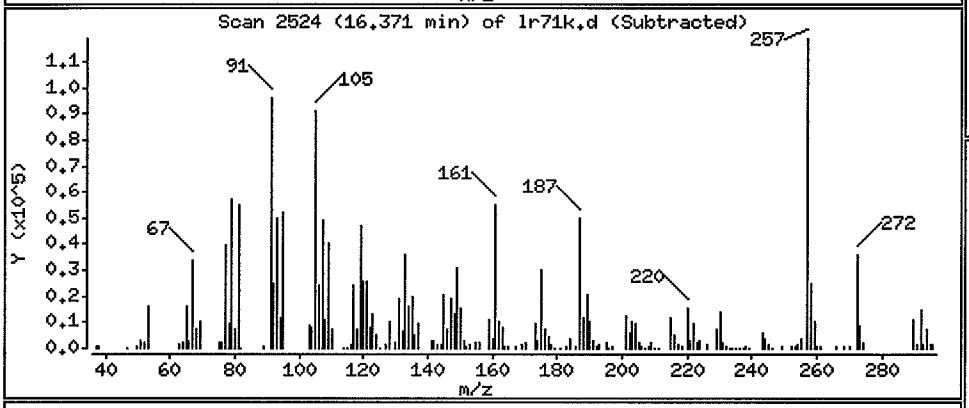
Sample Info: LR71K

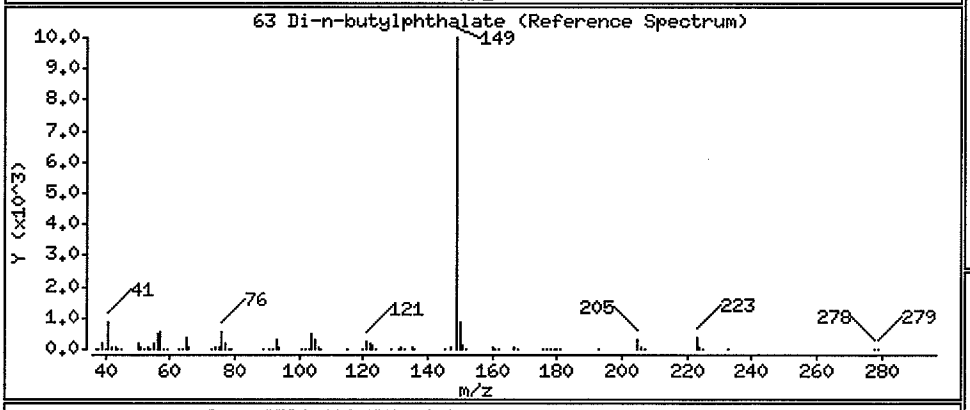
Volume Injected (uL): 1.0 Operator: LJR/VTS

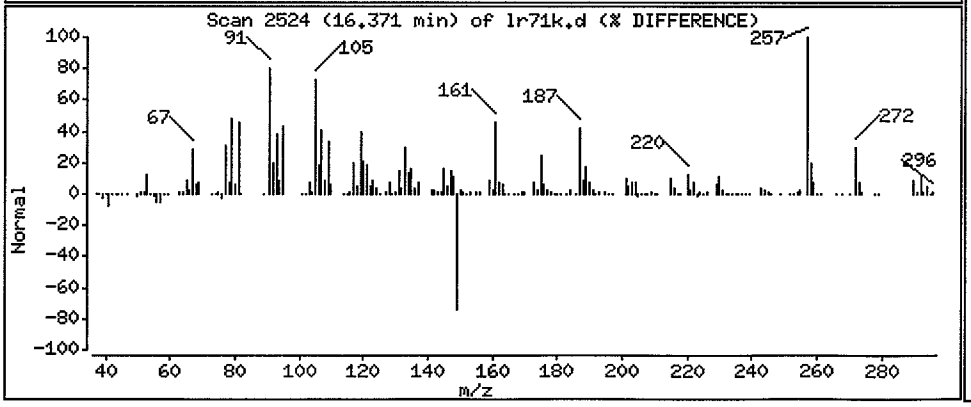
Column phase: ZB-5 Column diameter: 0.32

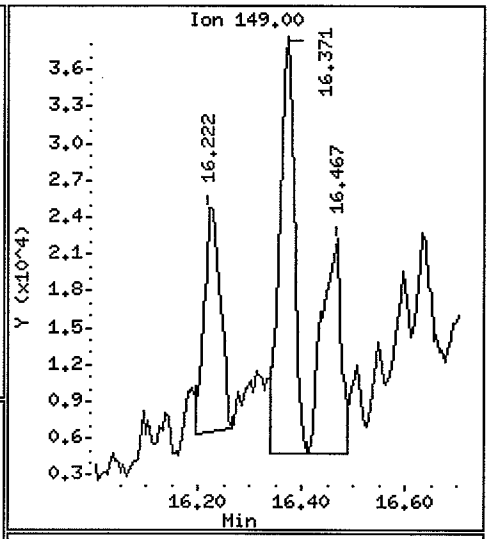
63 Di-n-butylphthalate Concentration: 29.42 ug/kg

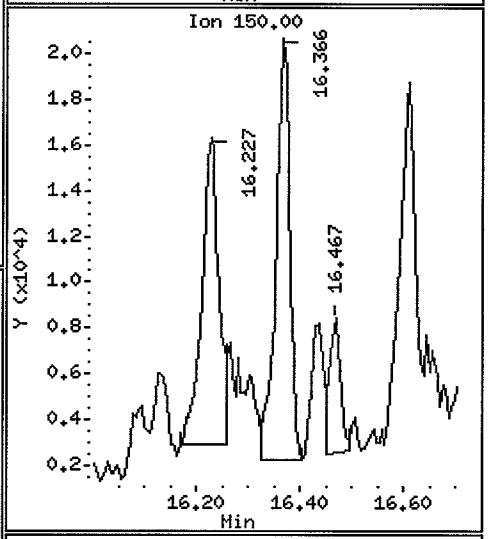


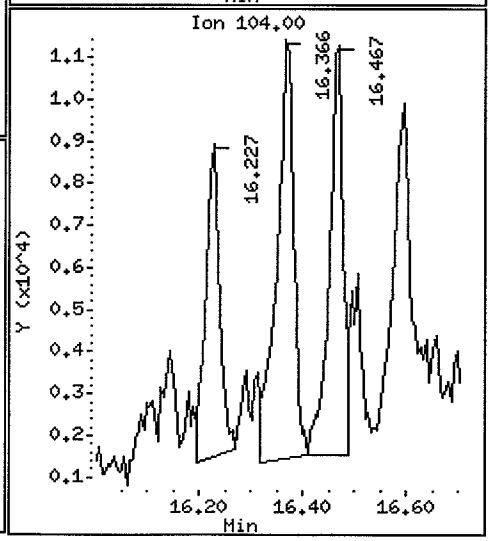












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

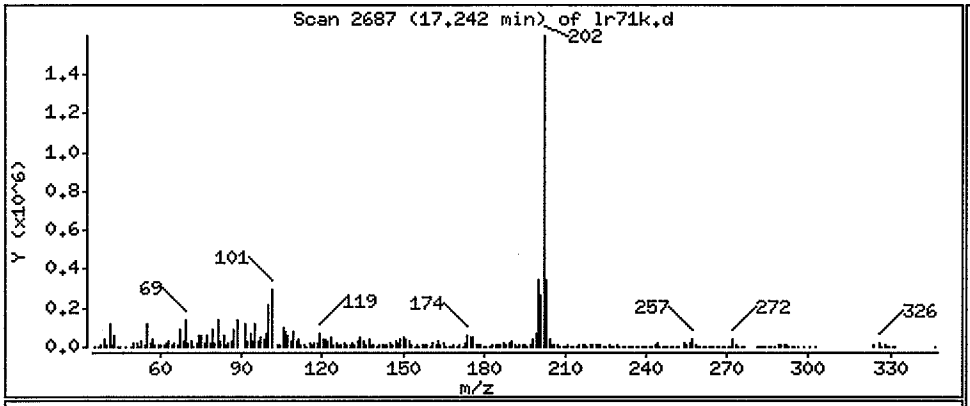
Operator: LJR/VTS

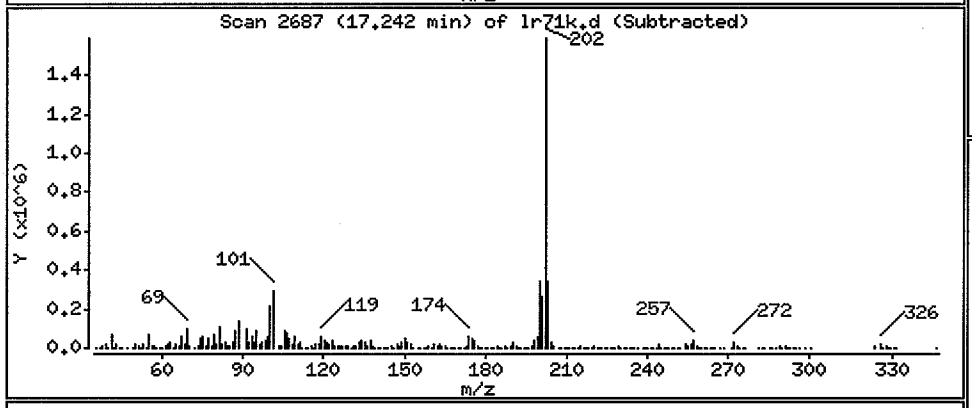
Column phase: ZB-5

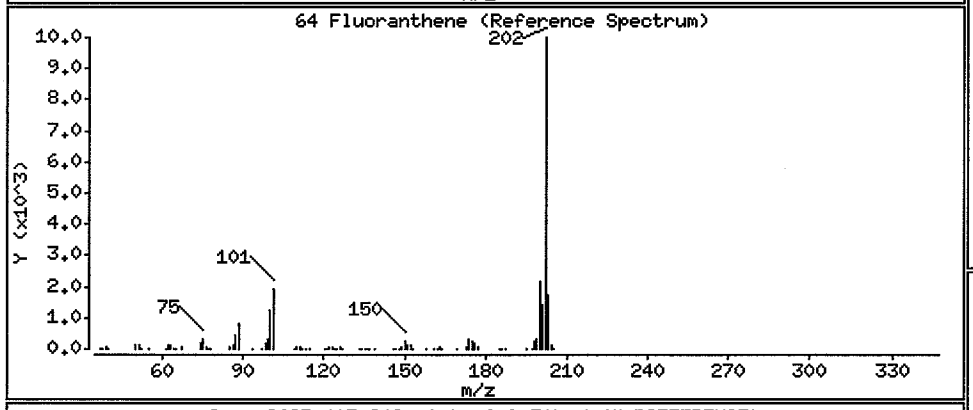
Column diameter: 0.32

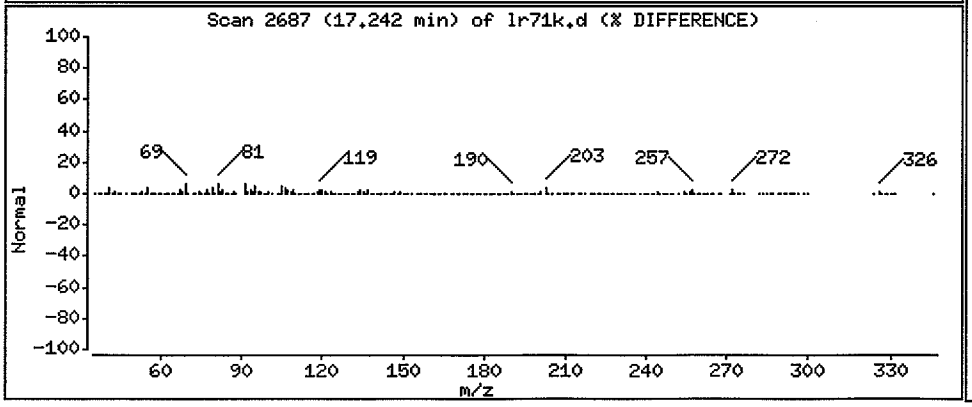
64 Fluoranthene

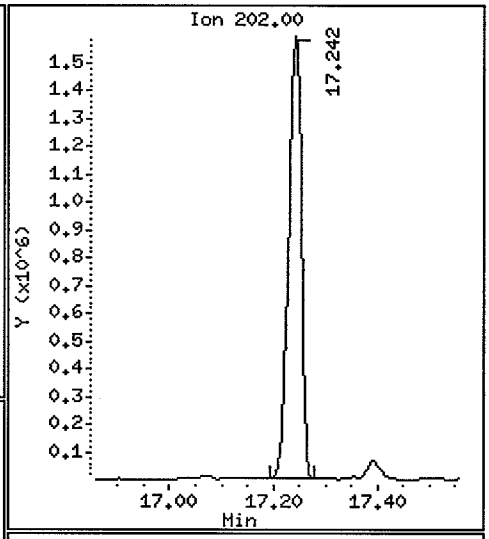
Concentration: 1067 ug/kg

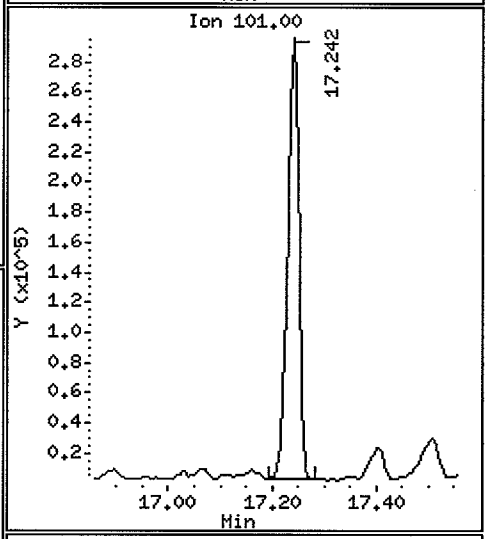


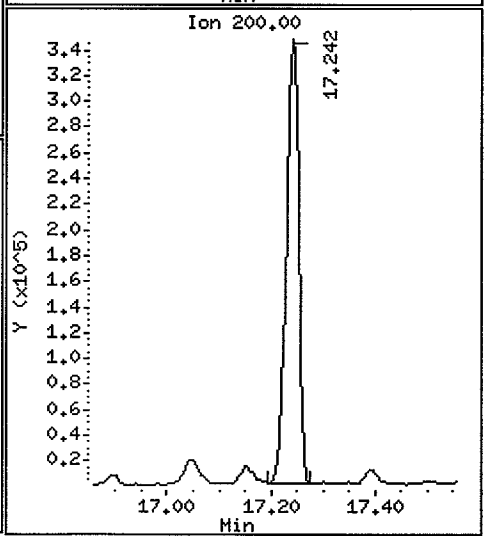












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

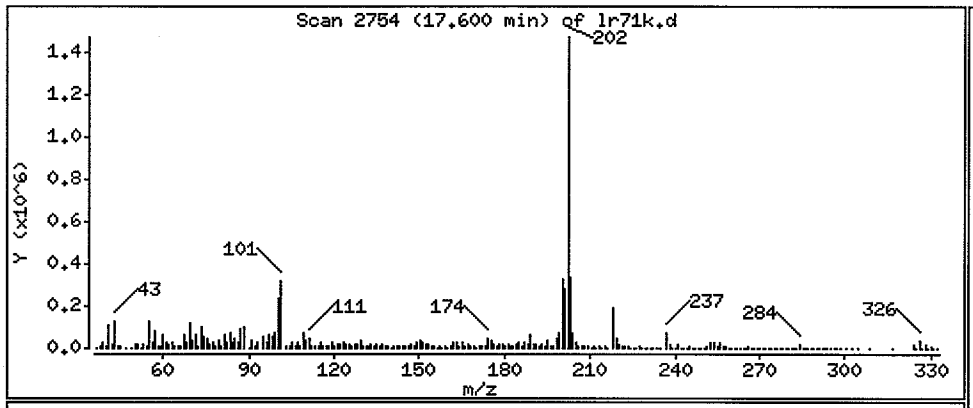
Operator: LJR/VTS

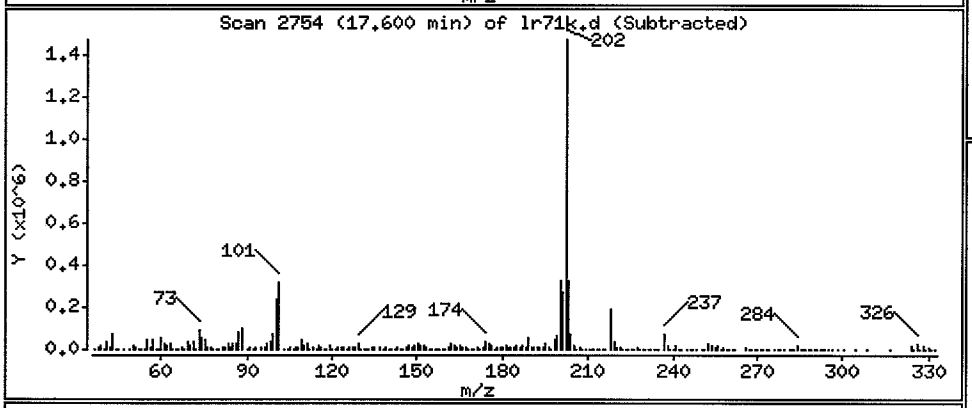
Column phase: ZB-5

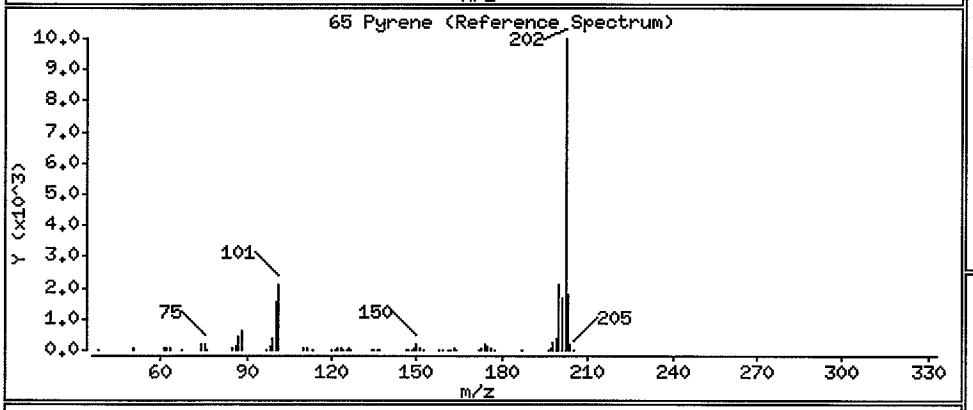
Column diameter: 0.32

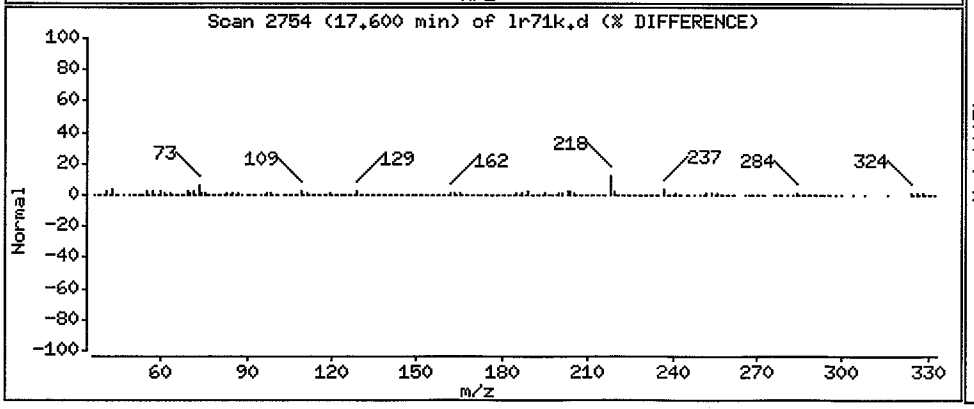
65 Pyrene

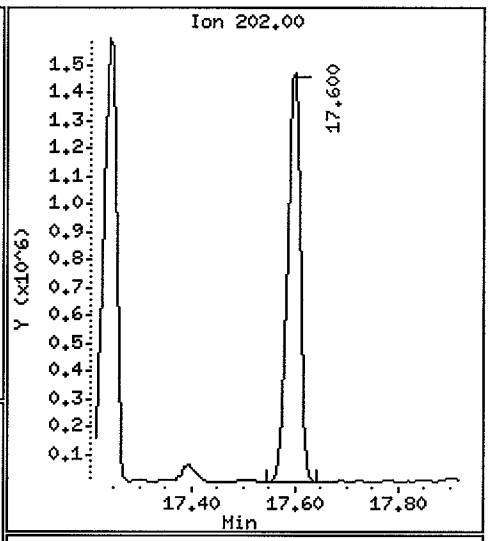
Concentration: 785.4 ug/kg

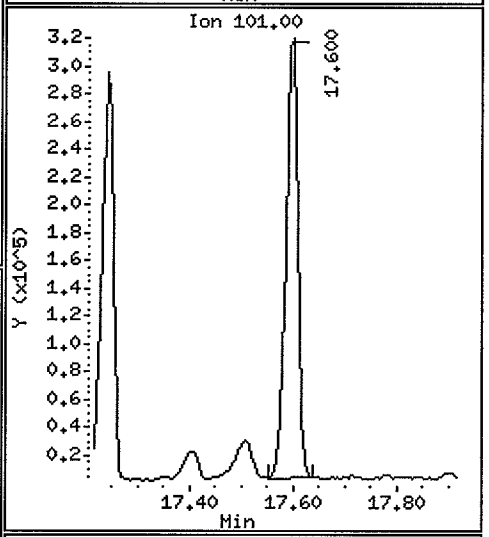


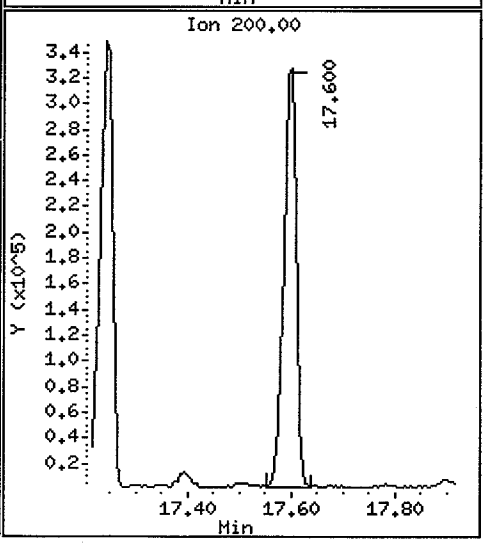












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

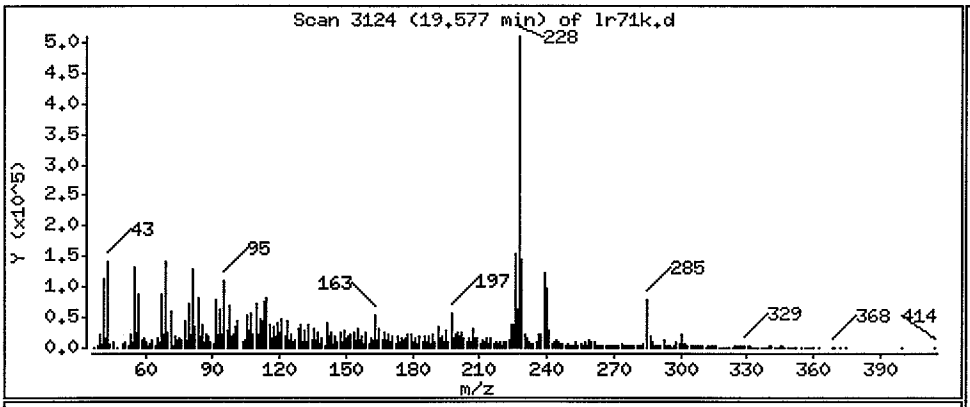
Client ID: AN-SS-08 Instrument: nt6.i

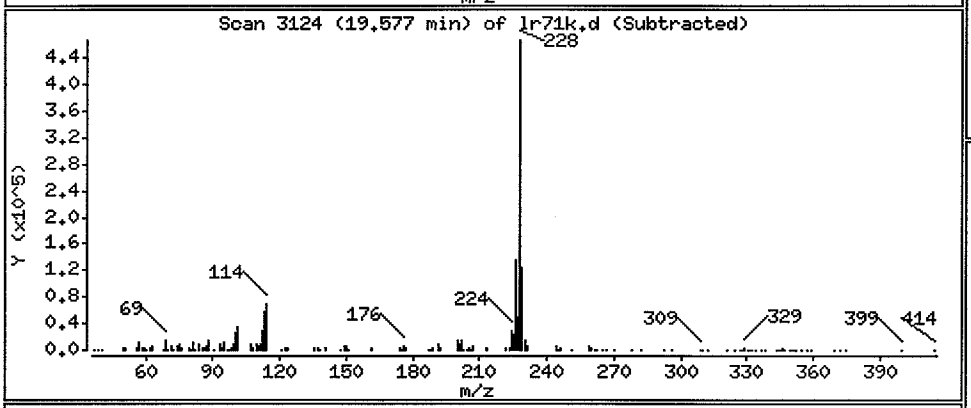
Sample Info: LR71K

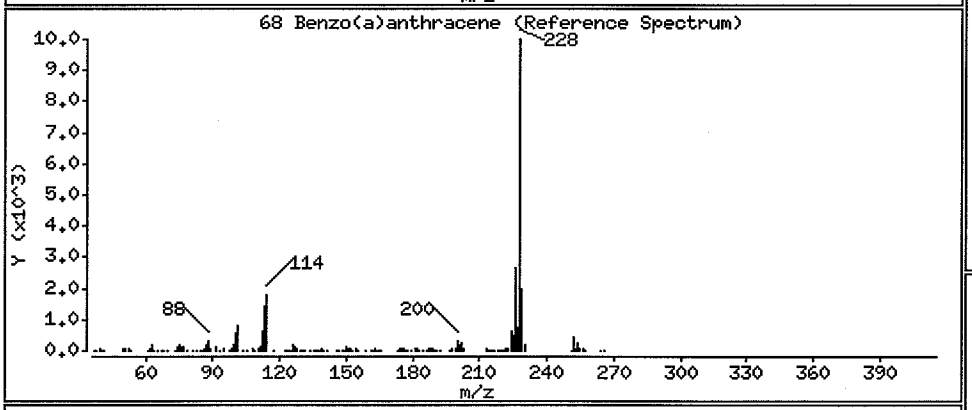
Volume Injected (uL): 1.0 Operator: LJR/VTS

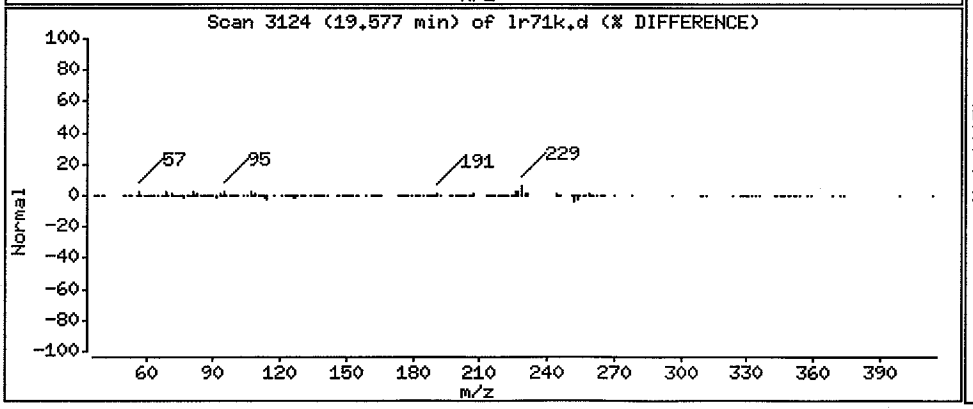
Column phase: ZB-5 Column diameter: 0.32

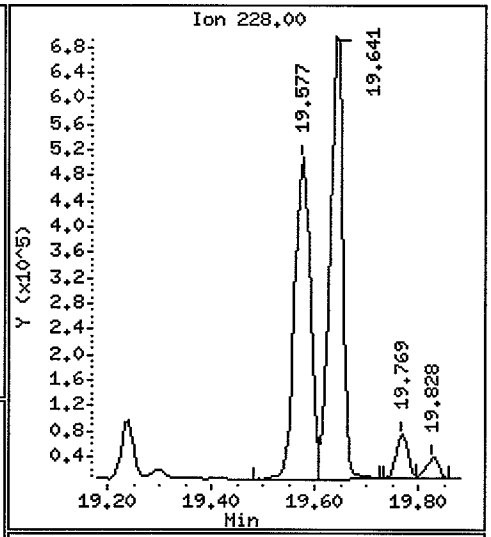
68 Benzo(a)anthracene Concentration: 296.6 ug/kg

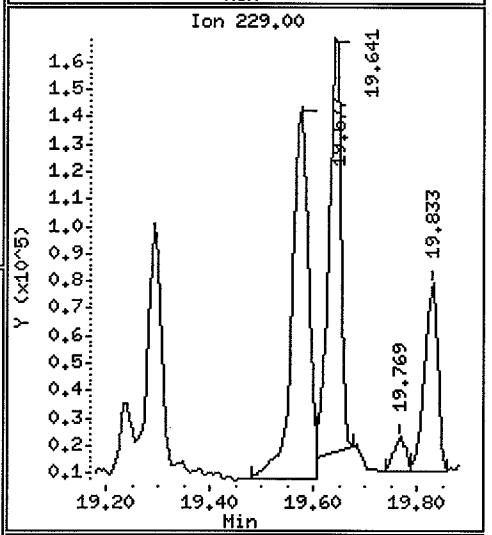


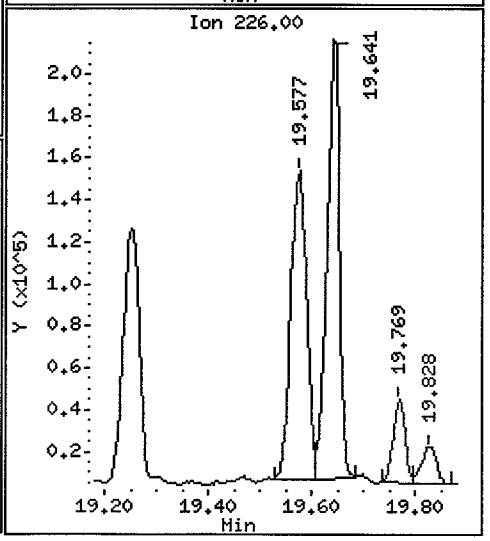












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

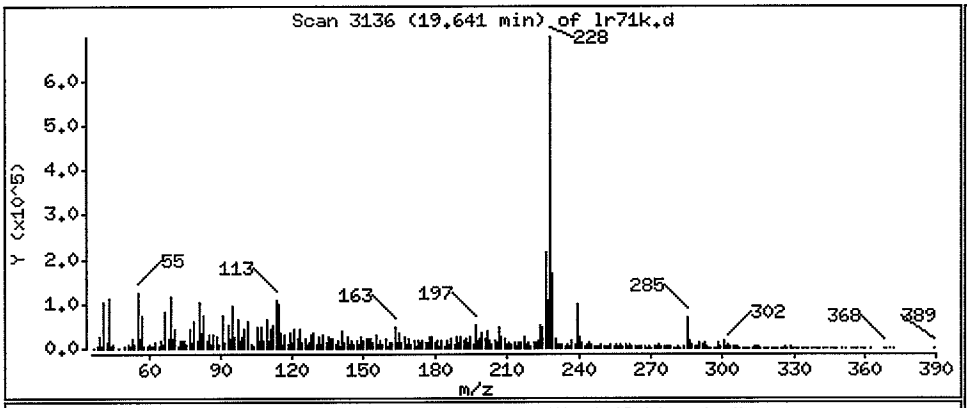
Operator: LJR/VTS

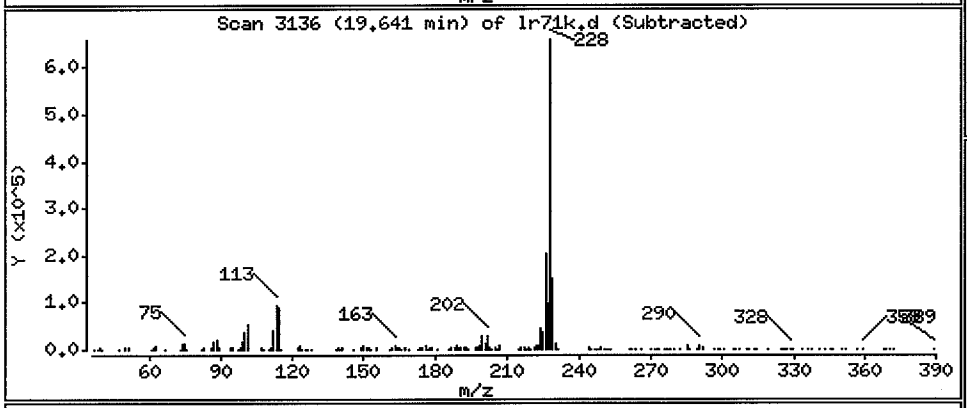
Column phase: ZB-5

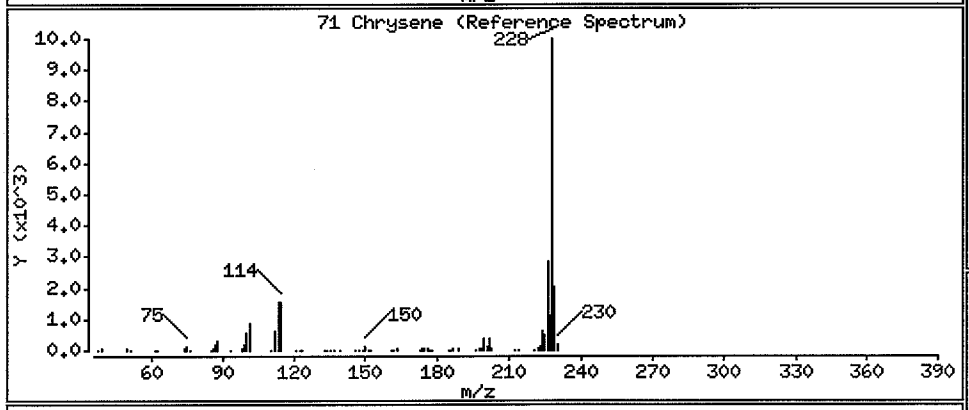
Column diameter: 0.32

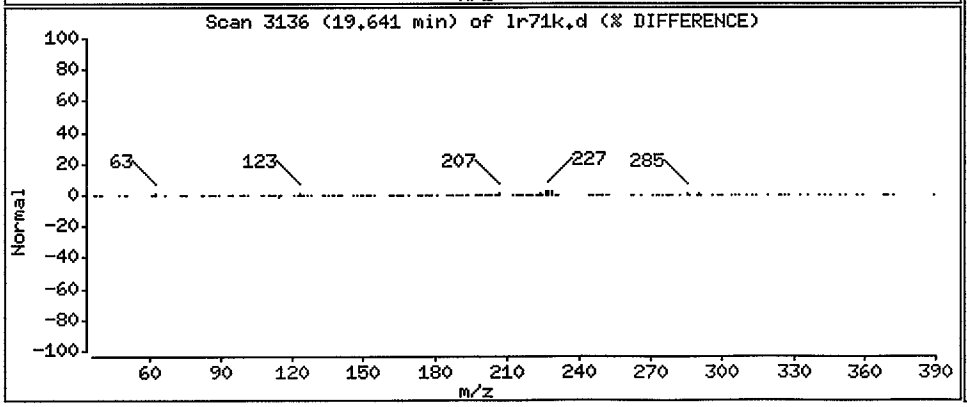
71 Chrysene

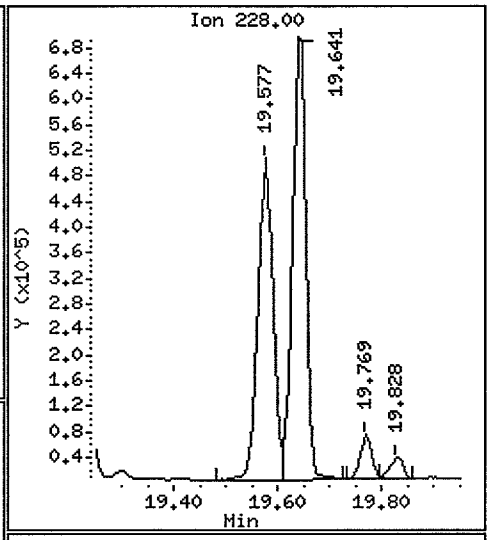
Concentration: 380.4 ug/kg

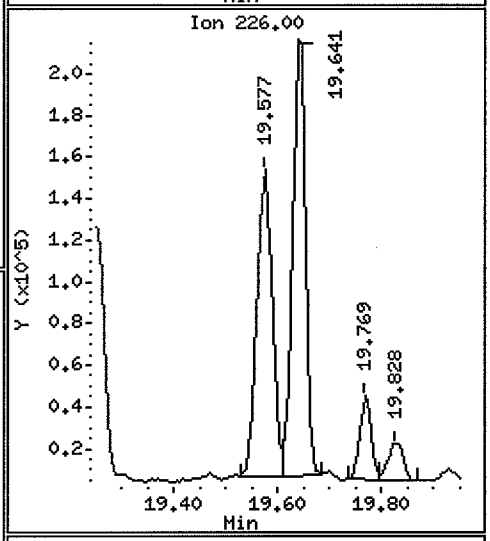


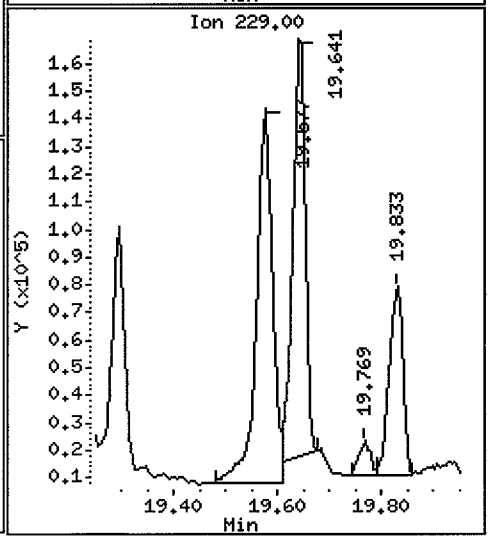












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

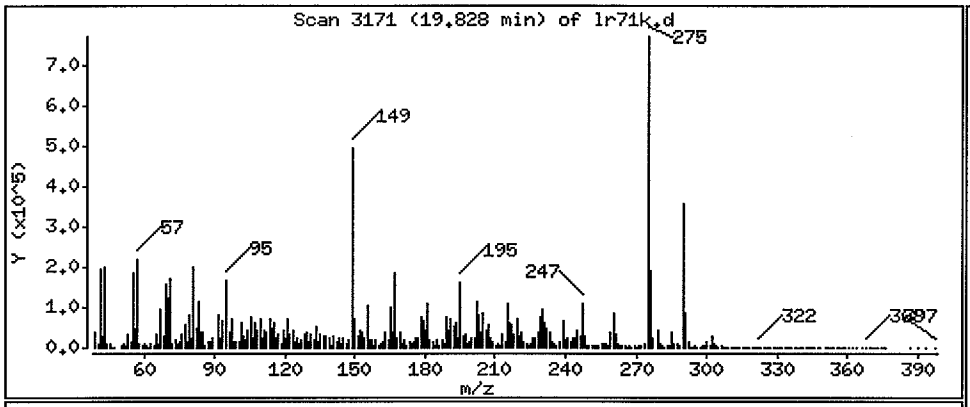
Client ID: AN-SS-08 Instrument: nt6.i

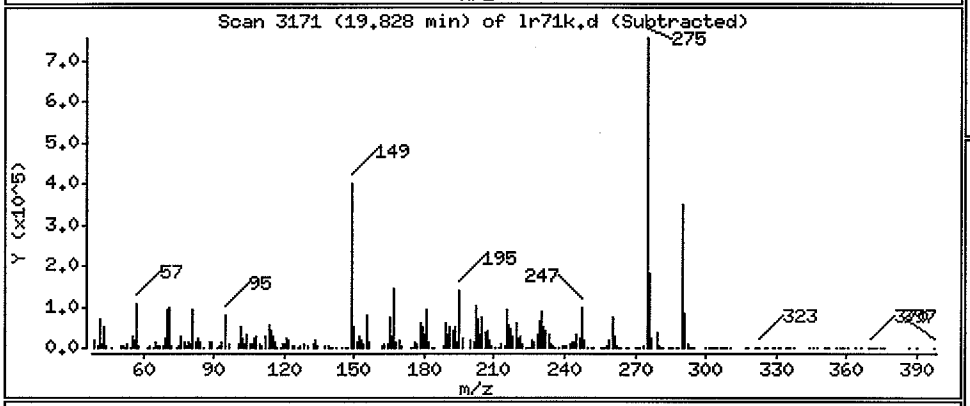
Sample Info: LR71K

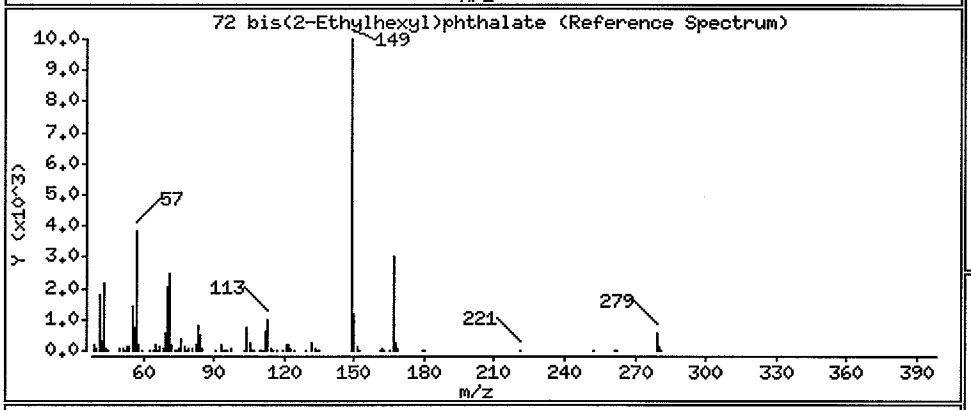
Volume Injected (uL): 1.0 Operator: LJR/VTS

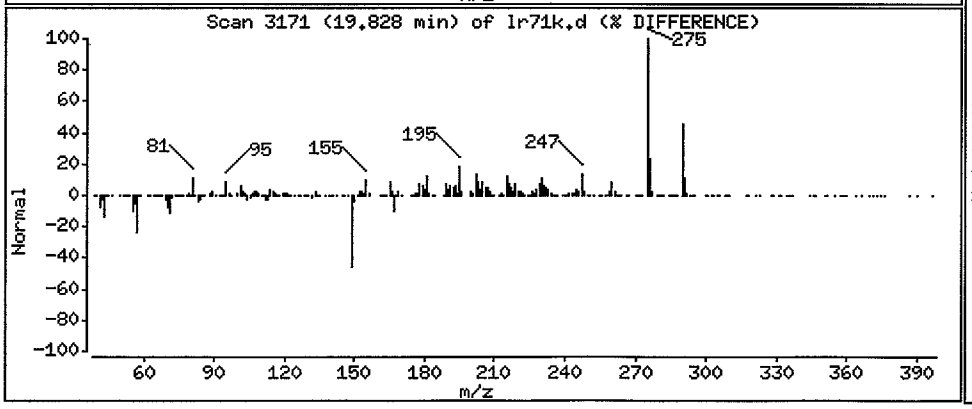
Column phase: ZB-5 Column diameter: 0.32

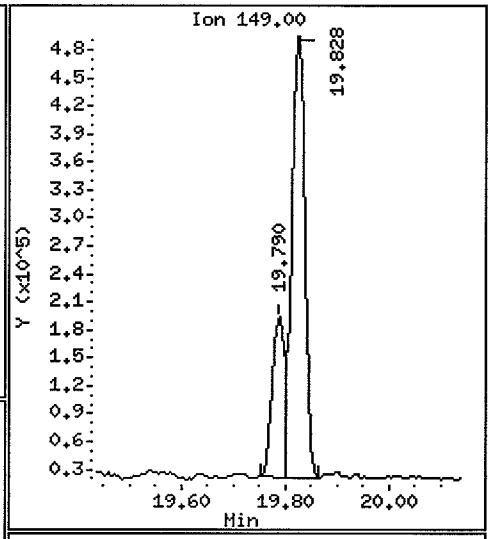
72 bis(2-Ethylhexyl)phthalate Concentration: 442.9 ug/kg

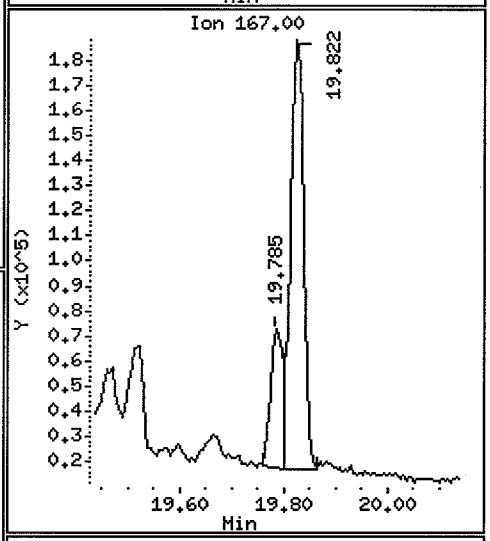


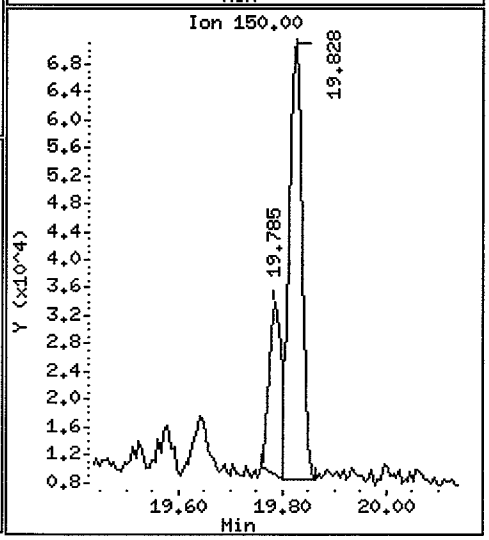












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

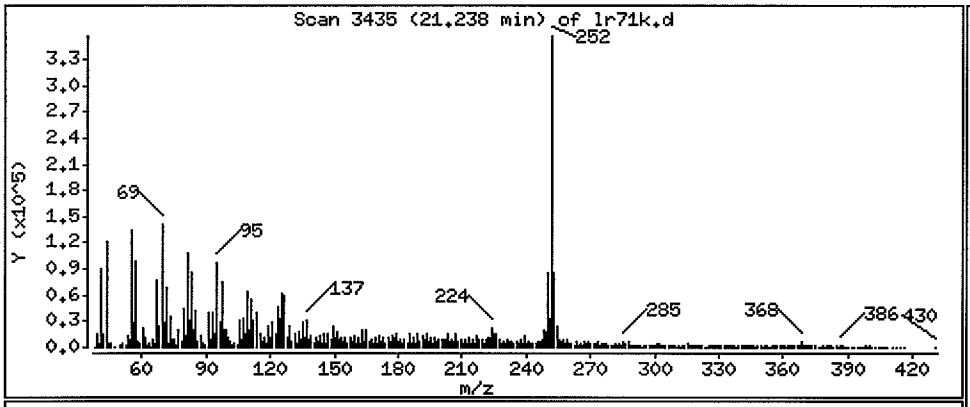
Operator: LJR/VTS

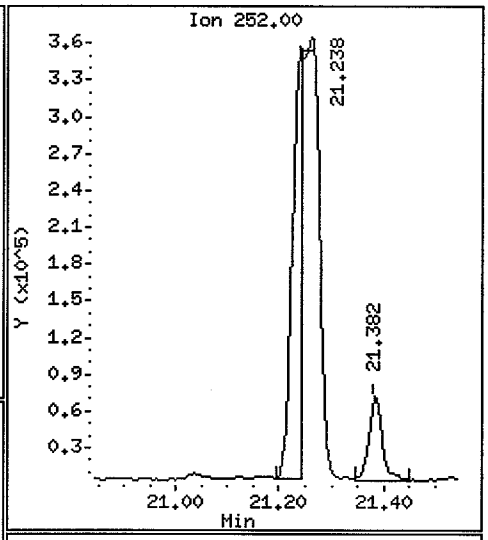
Column phase: ZB-5

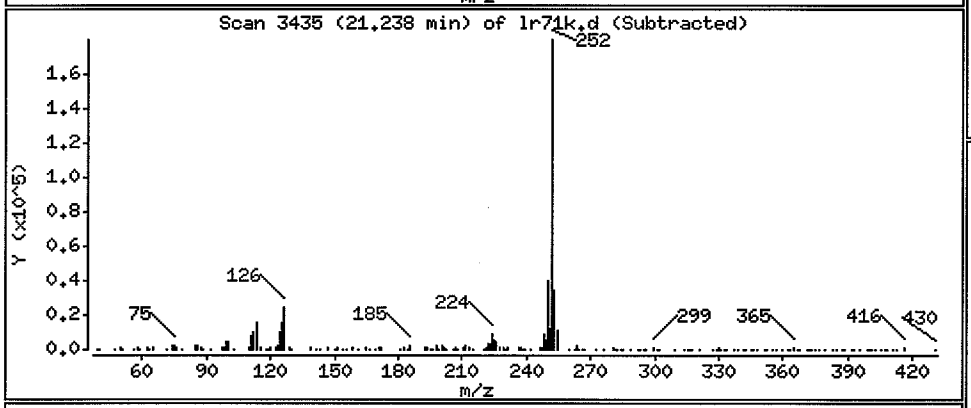
Column diameter: 0.32

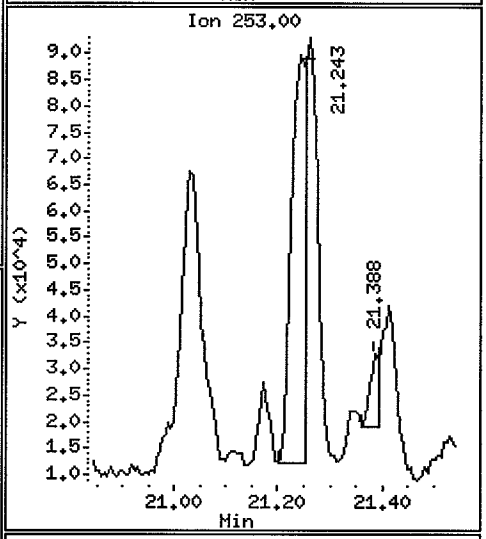
74 Benzo(b)fluoranthene

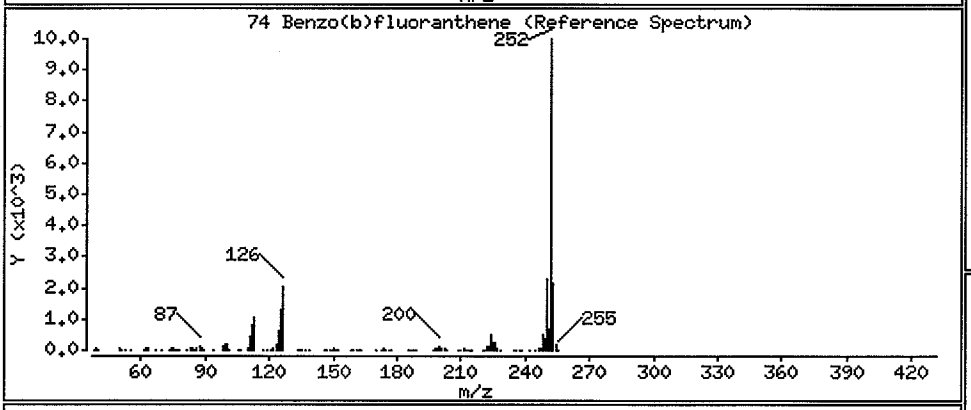
Concentration: 264.5 ug/kg

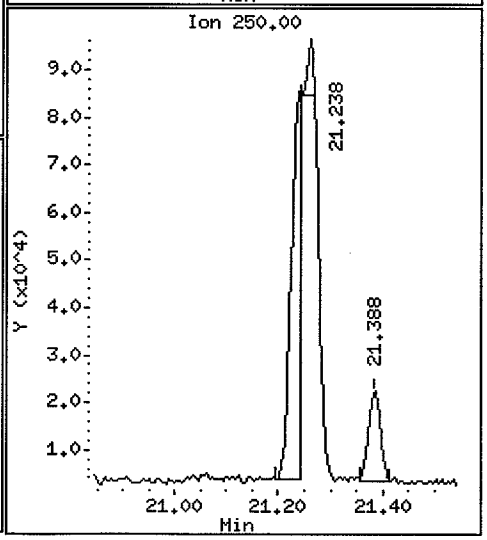


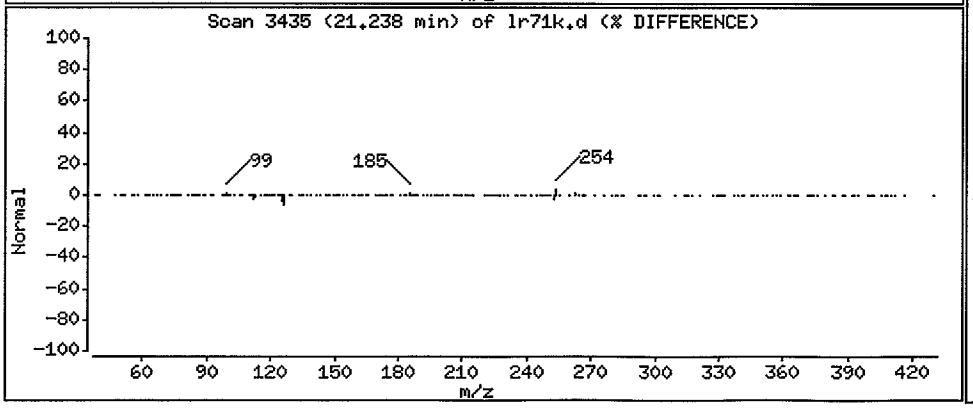












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

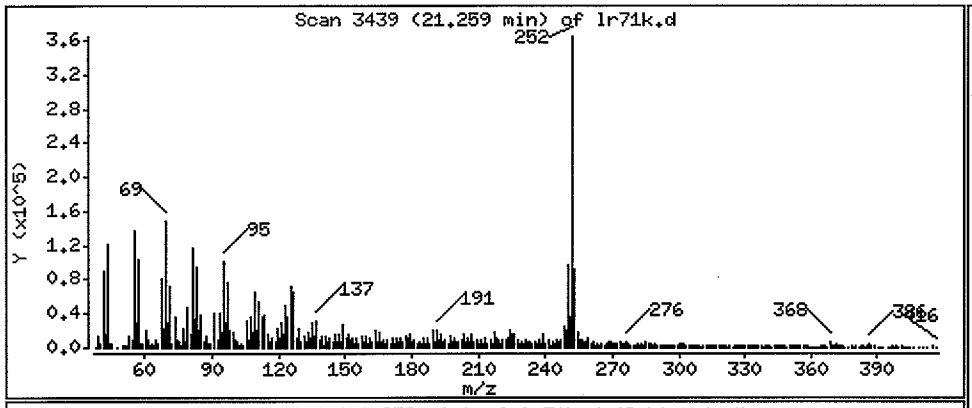
Operator: LJR/VTS

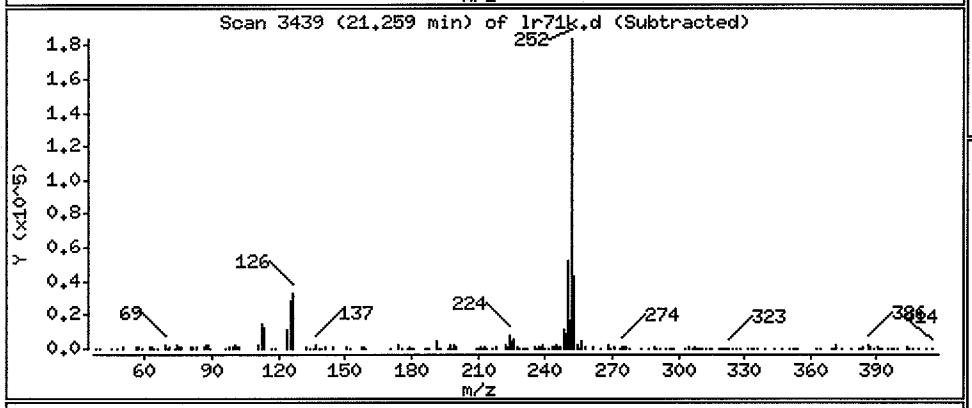
Column phase: ZB-5

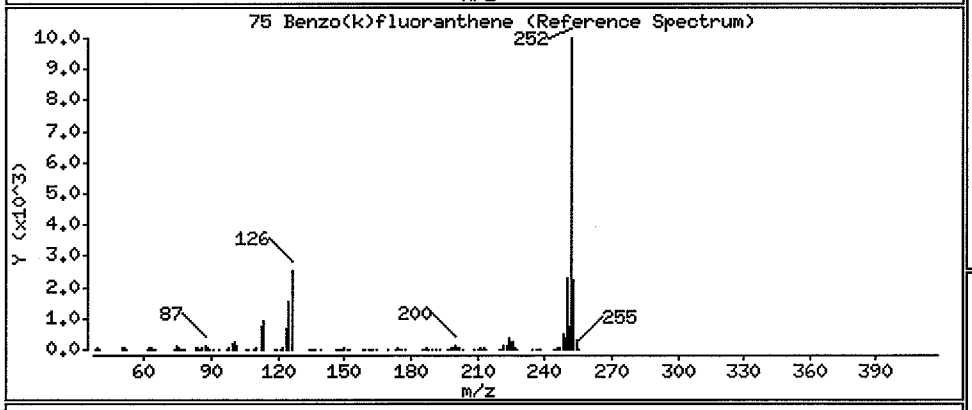
Column diameter: 0.32

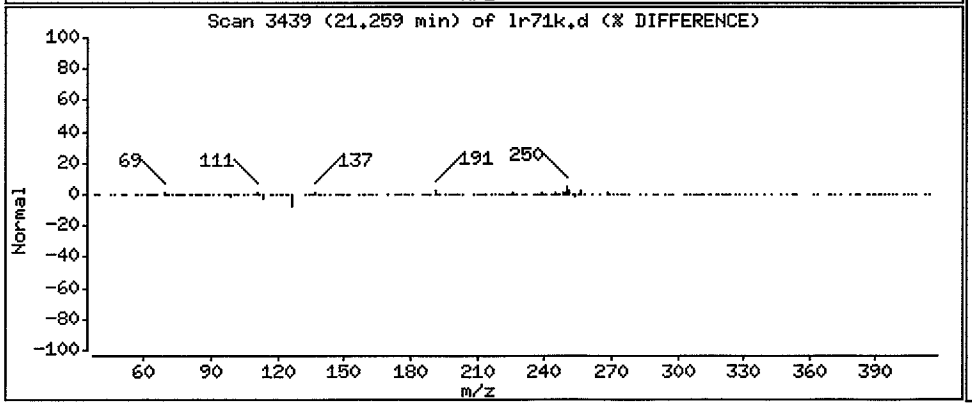
75 Benzo(k)fluoranthene

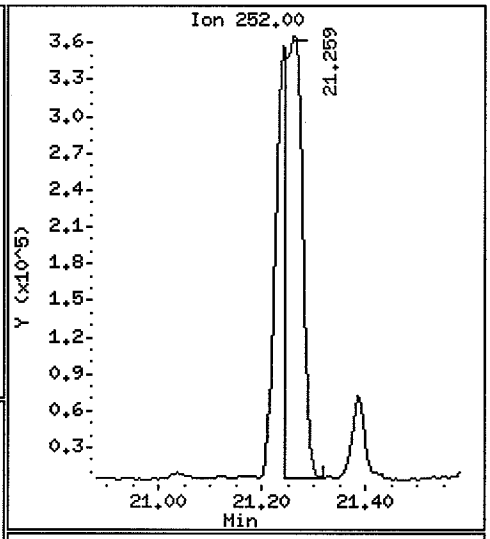
Concentration: 422.9 ug/kg

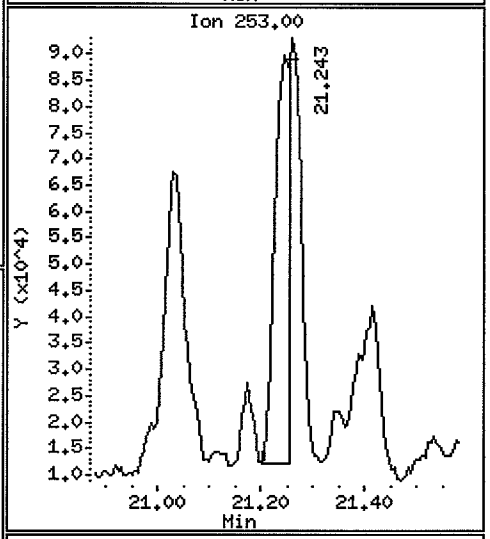


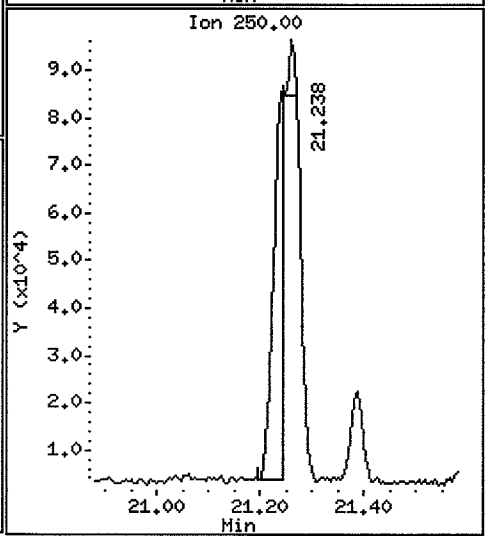












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

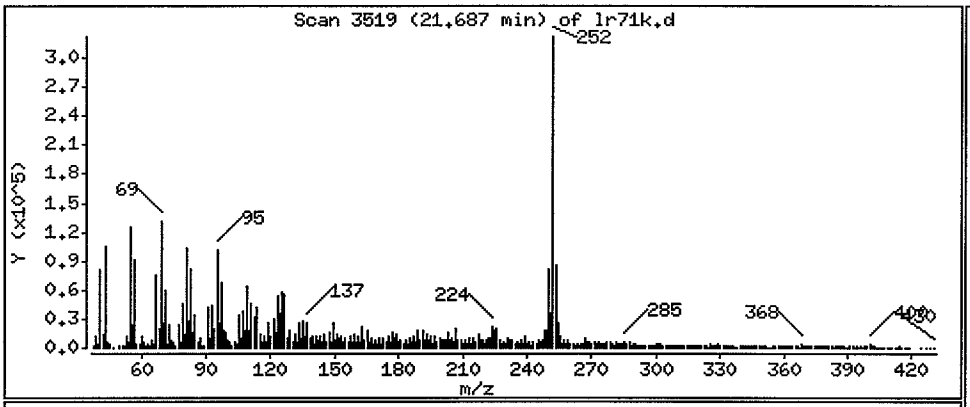
Client ID: AN-SS-08 Instrument: nt6.i

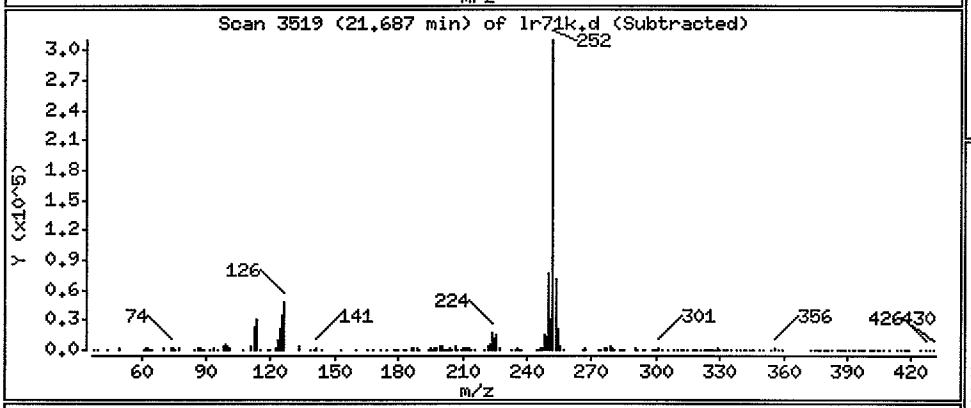
Sample Info: LR71K

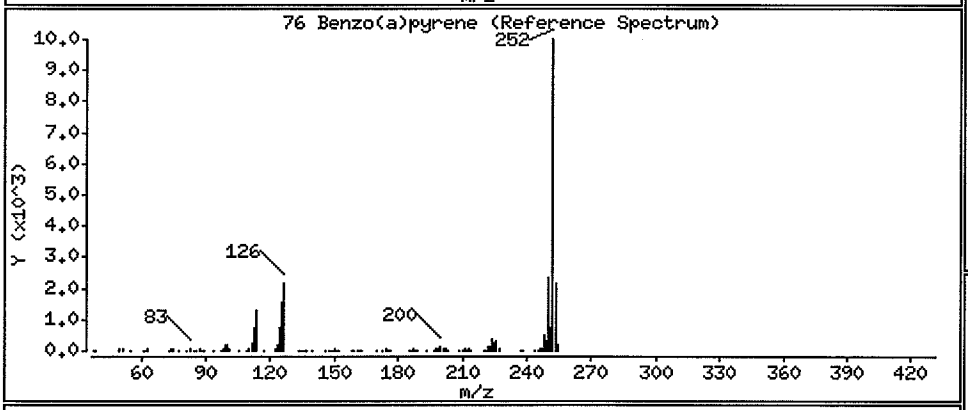
Volume Injected (uL): 1.0 Operator: LJR/VTS

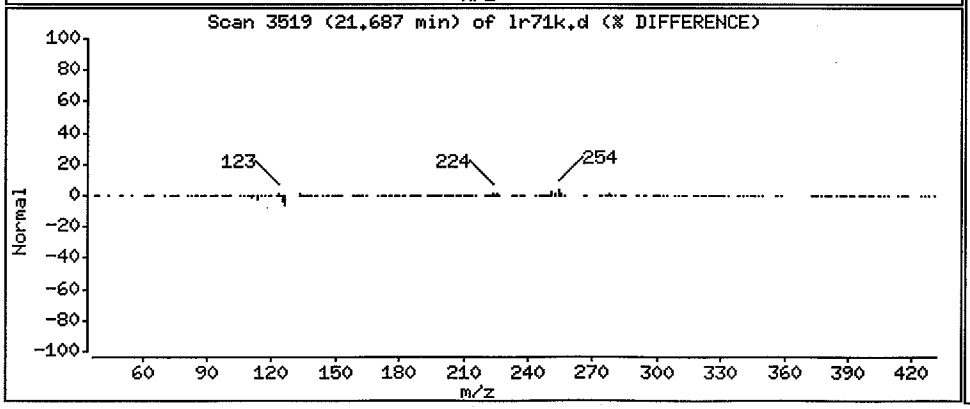
Column phase: ZB-5 Column diameter: 0.32

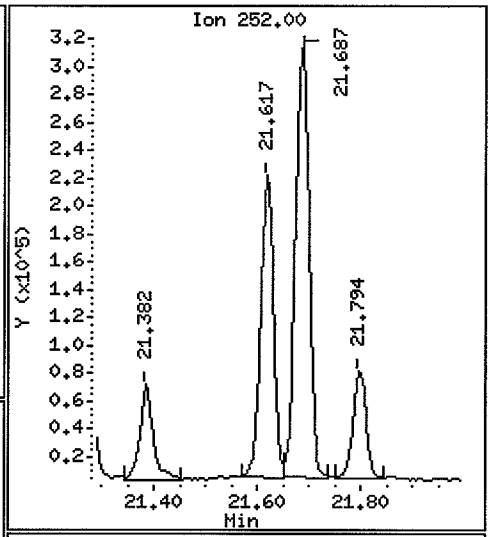
76 Benzo(a)pyrene Concentration: 331.4 ug/kg

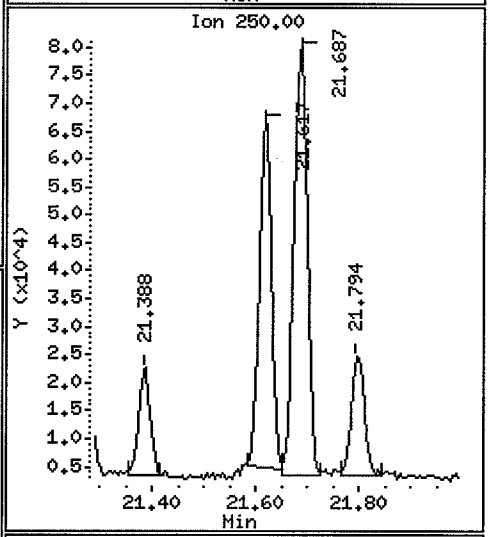


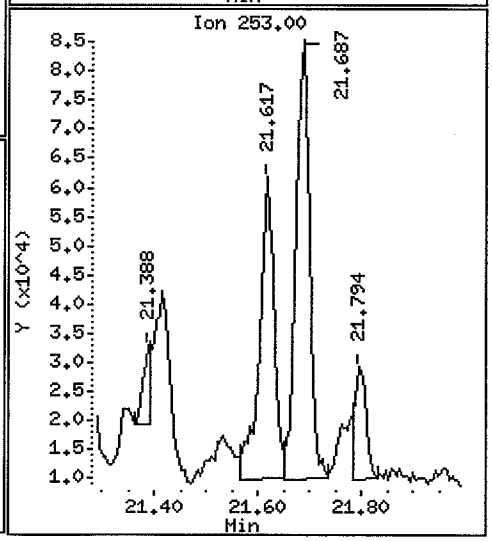












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

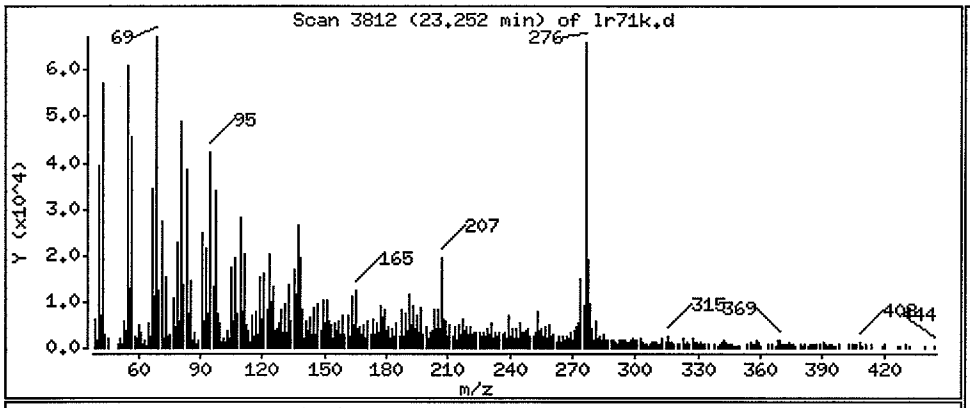
Operator: LJR/VTS

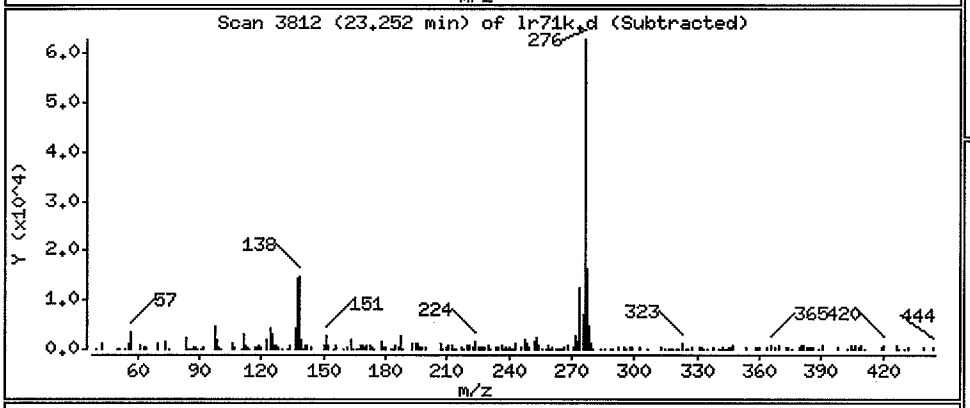
Column phase: ZB-5

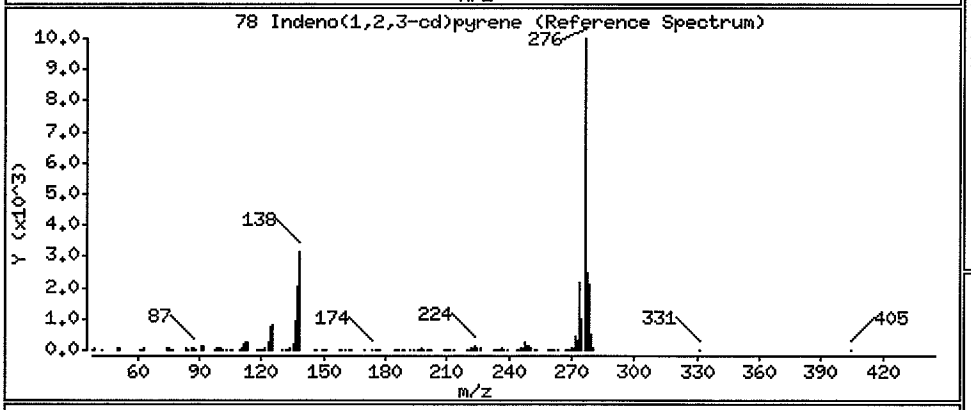
Column diameter: 0.32

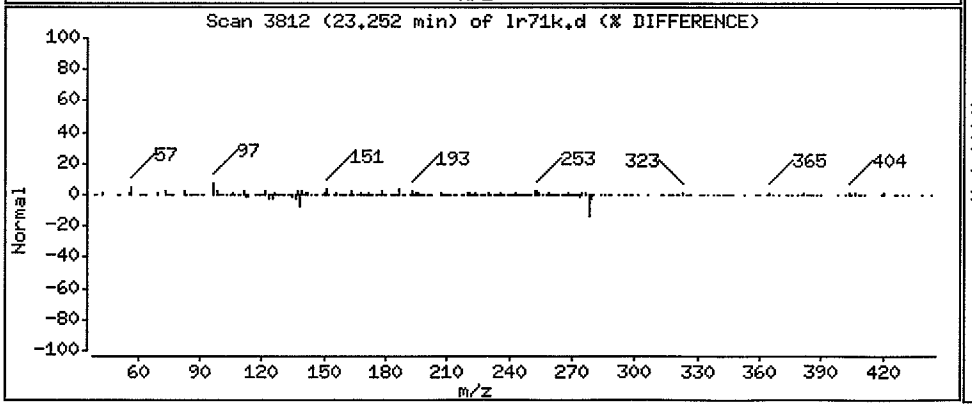
78 Indeno(1,2,3-cd)pyrene

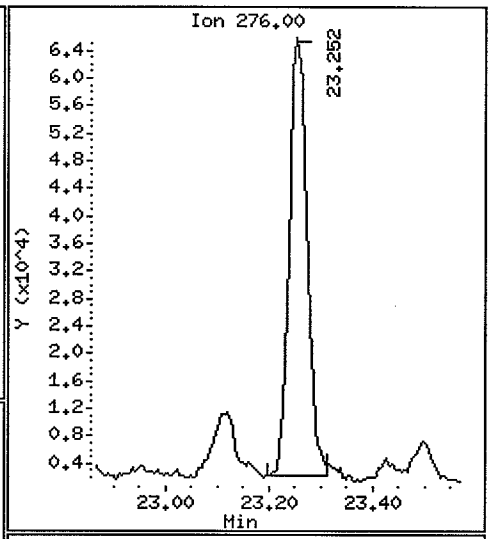
Concentration: 76.01 ug/kg

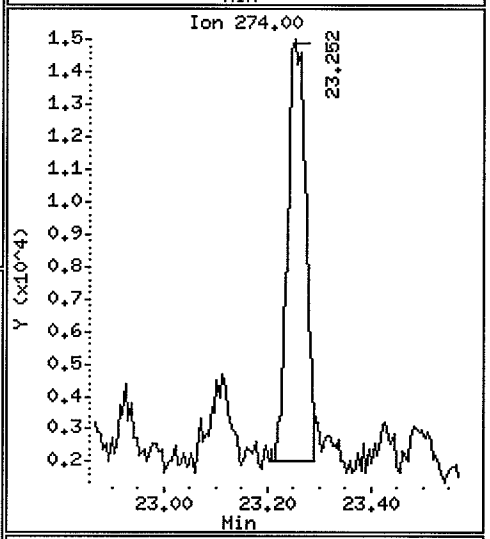


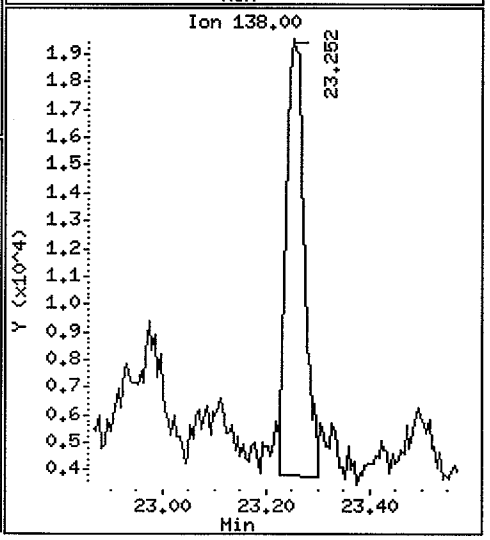












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

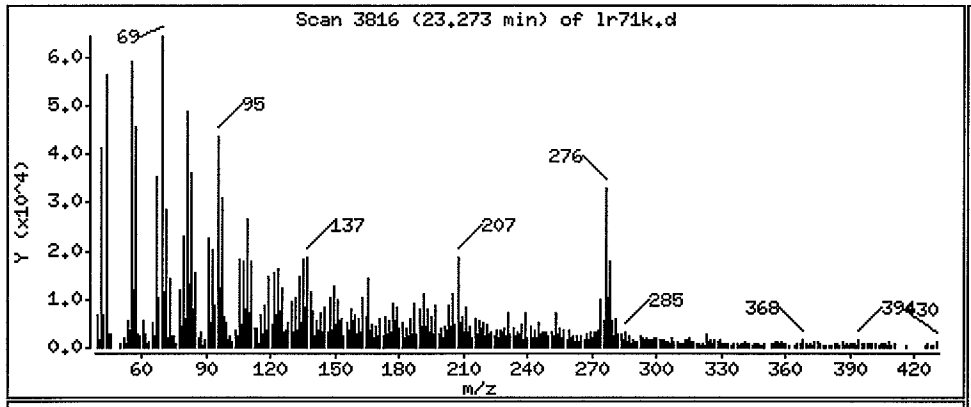
Client ID: AN-SS-08 Instrument: nt6.i

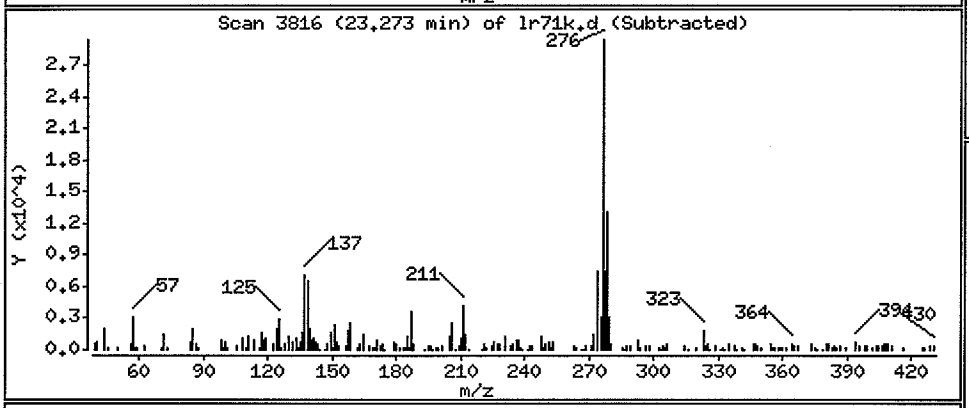
Sample Info: LR71K

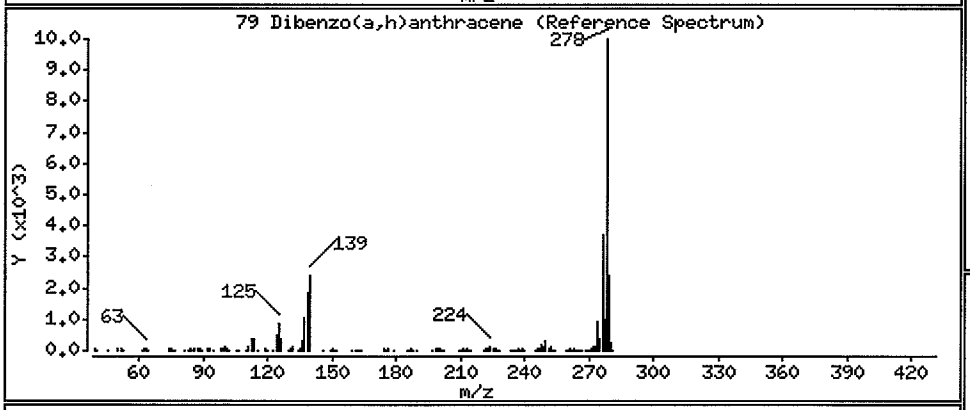
Volume Injected (uL): 1.0 Operator: LJR/VTS

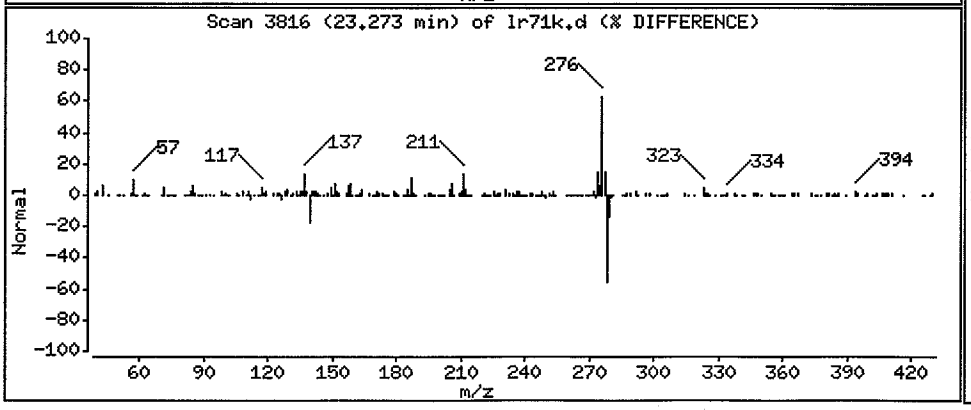
Column phase: ZB-5 Column diameter: 0.32

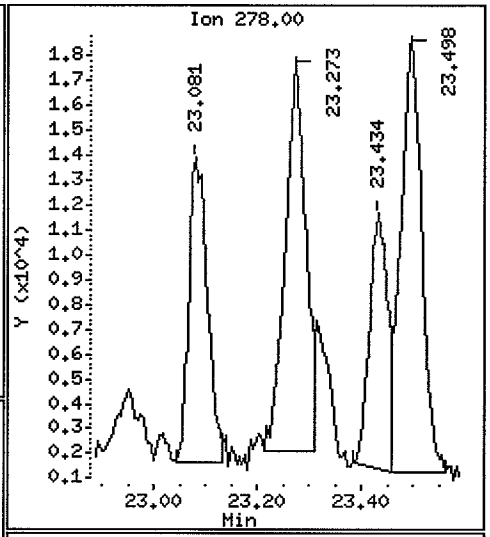
79 Dibenzo(a,h)anthracene Concentration: 25.48 ug/kg

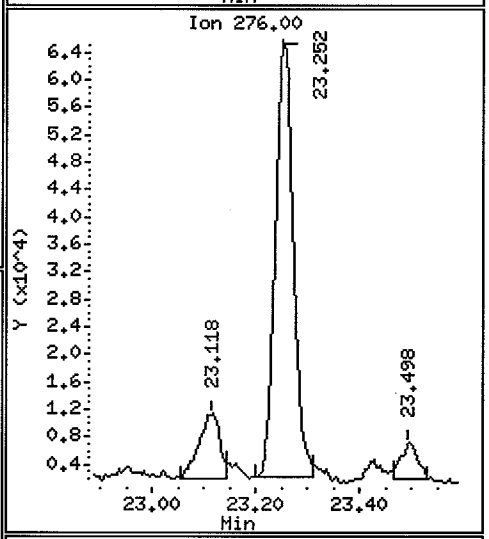


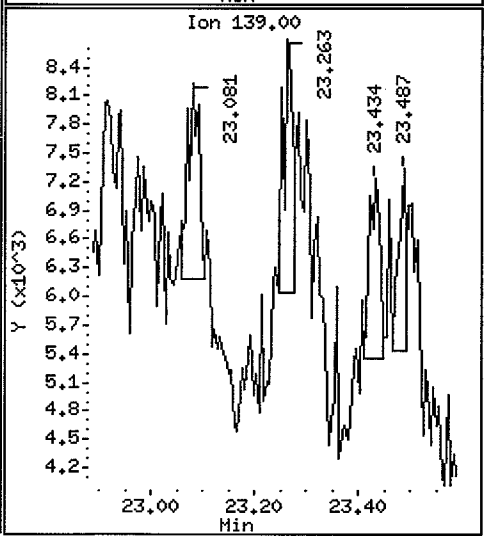












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

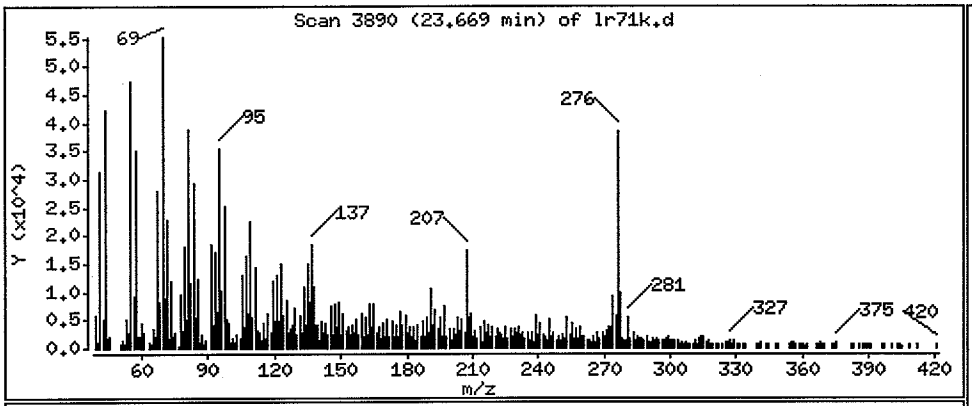
Operator: LJR/VTS

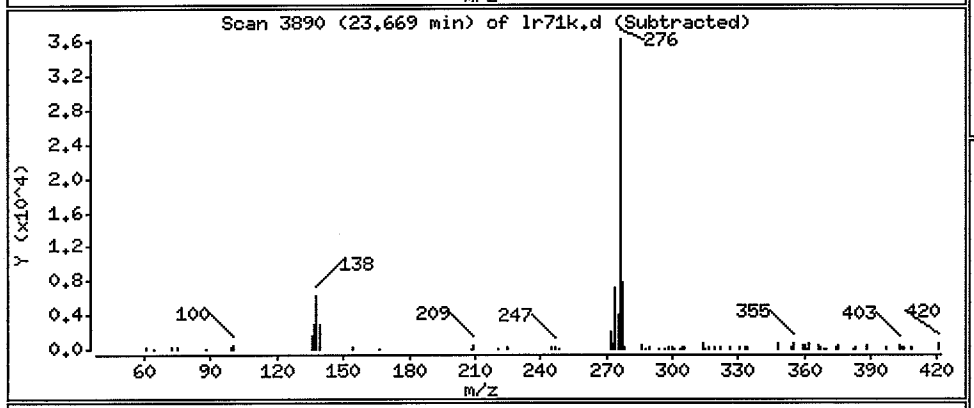
Column phase: ZB-5

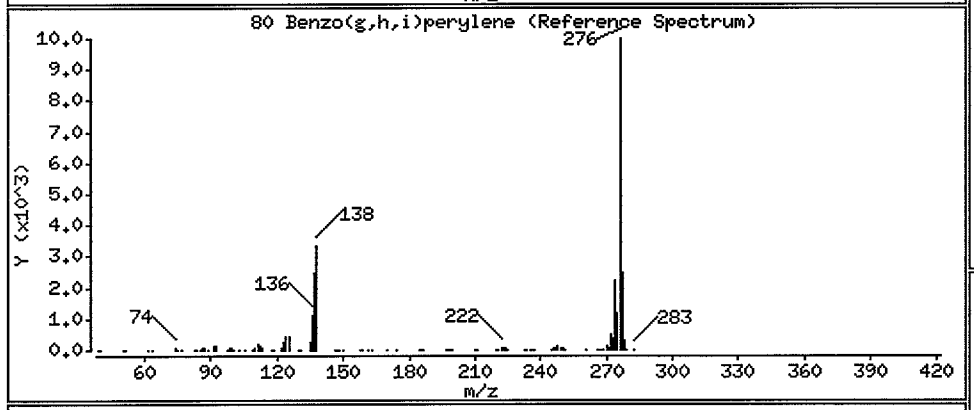
Column diameter: 0.32

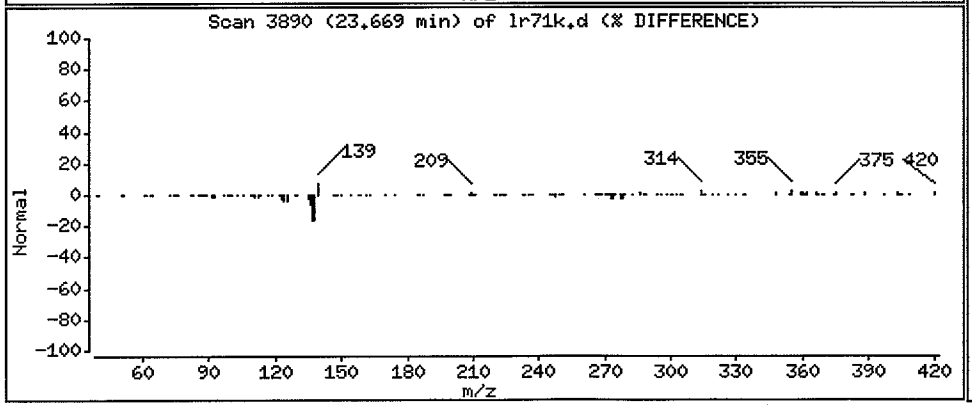
80 Benzo(g,h,i)perylene

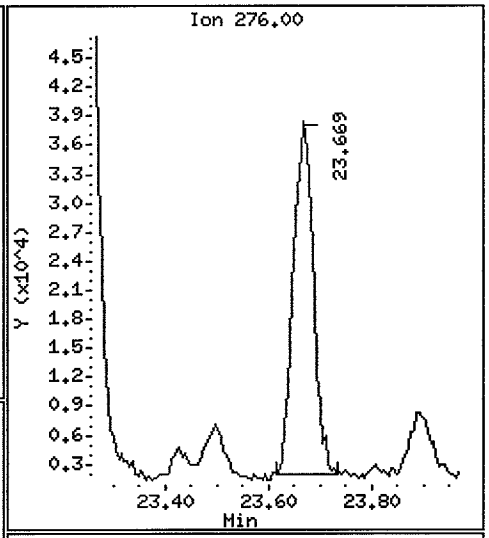
Concentration: 48.57 ug/kg

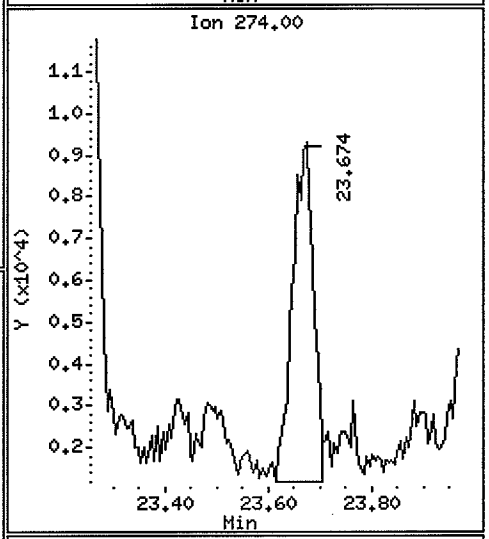


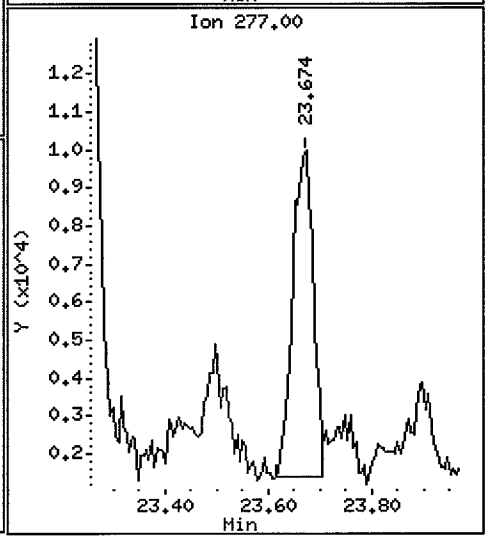












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

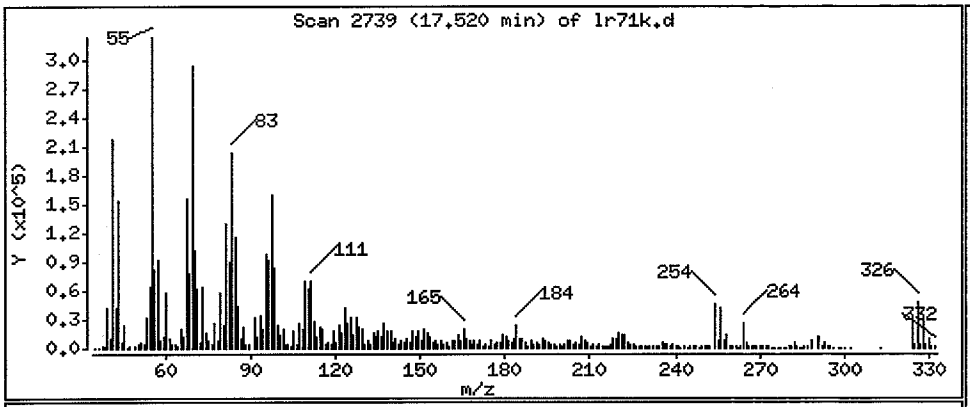
Operator: LJR/VTS

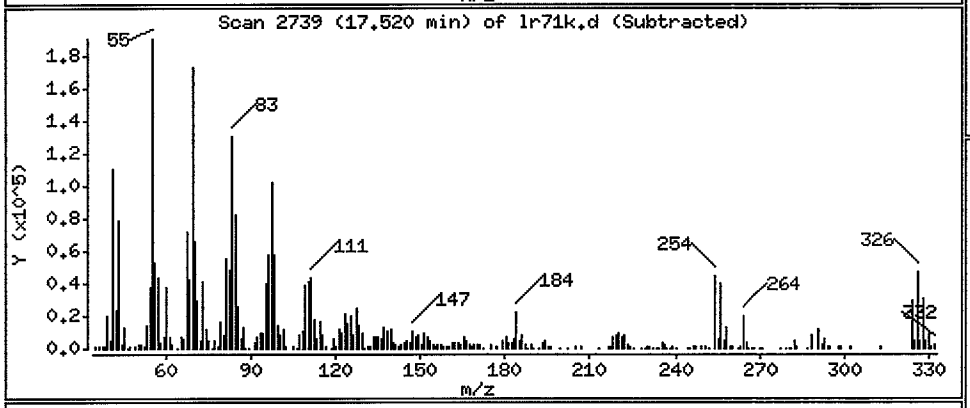
Column phase: ZB-5

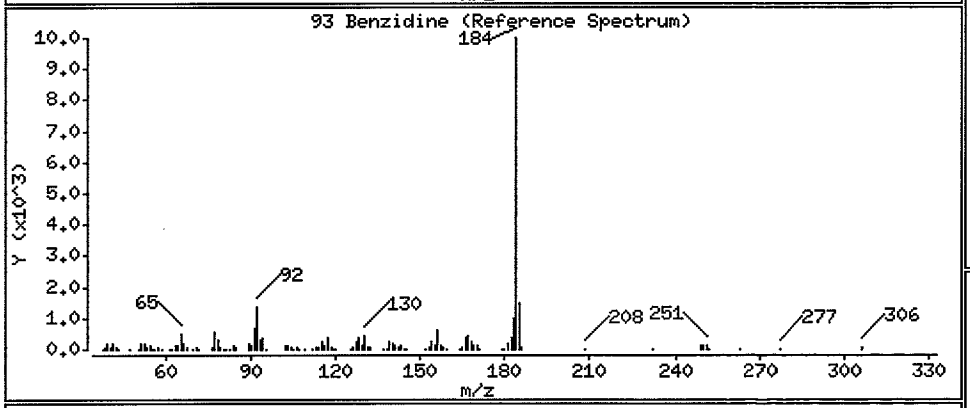
Column diameter: 0.32

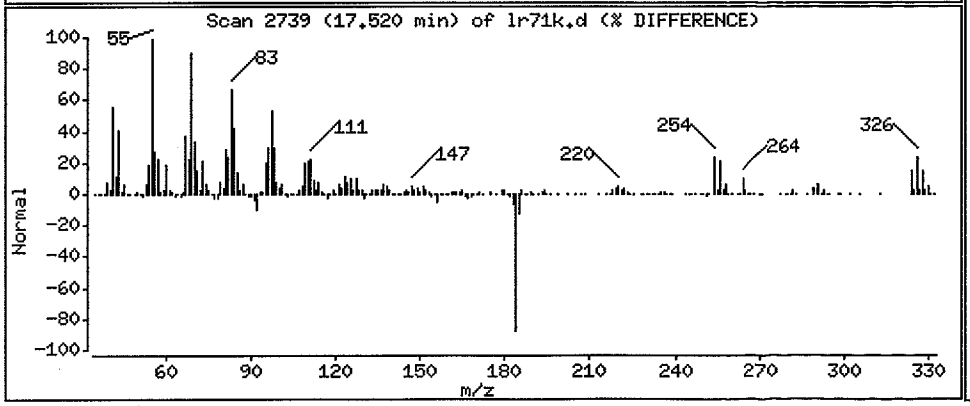
93 Benzidine

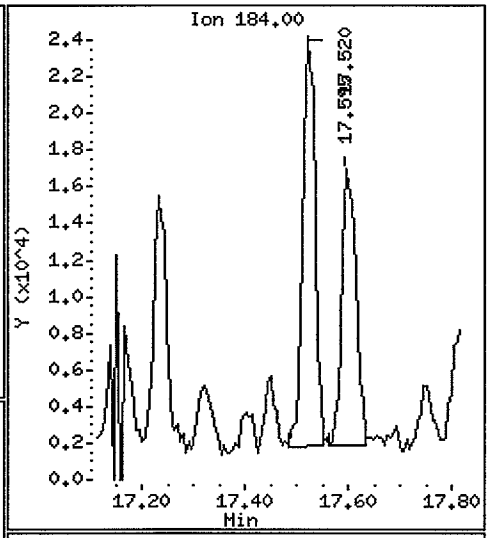
Concentration: 24.37 ug/kg

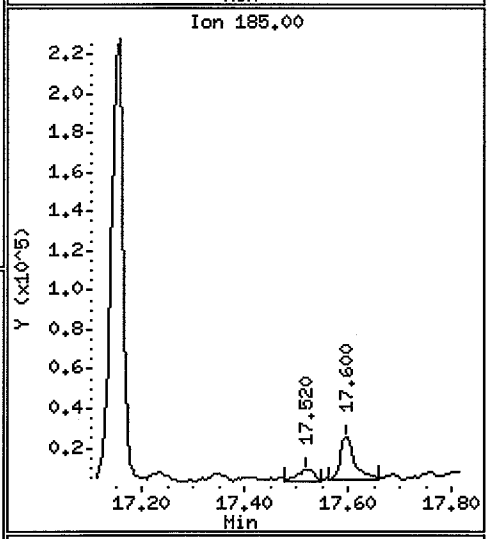


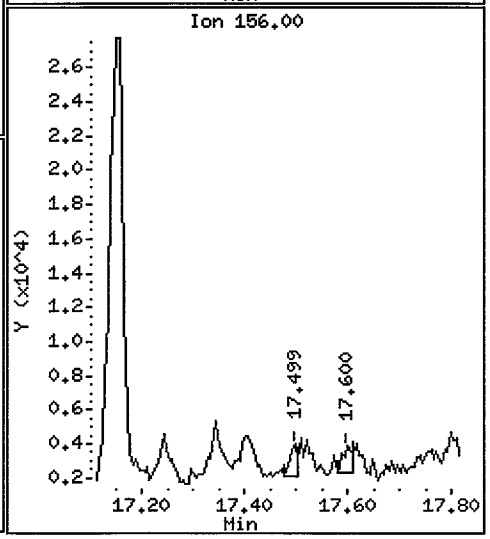












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

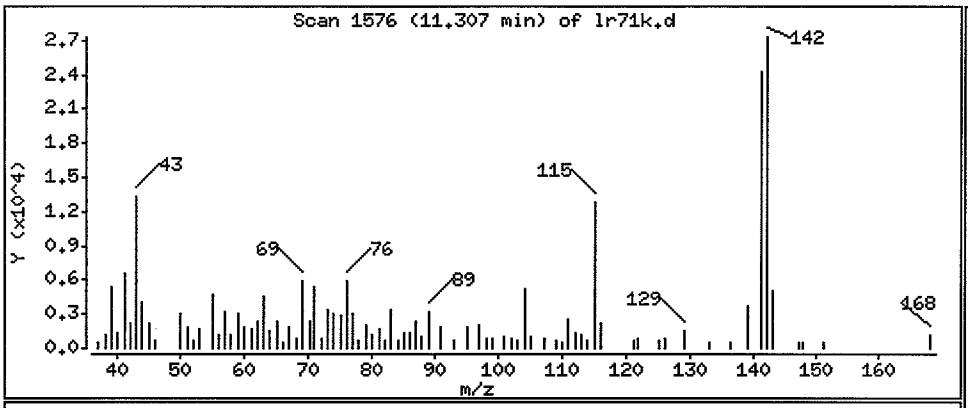
Operator: LJR/VTS

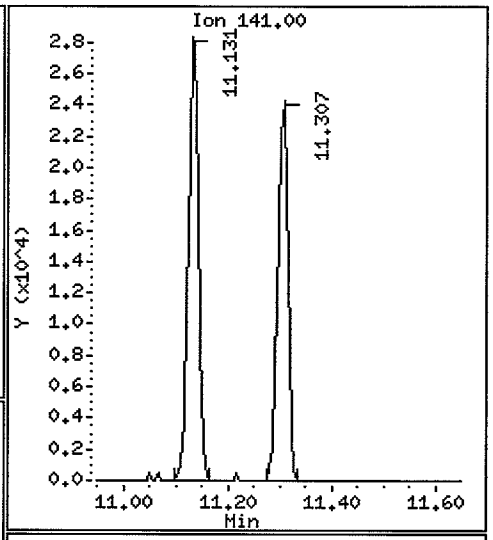
Column phase: ZB-5

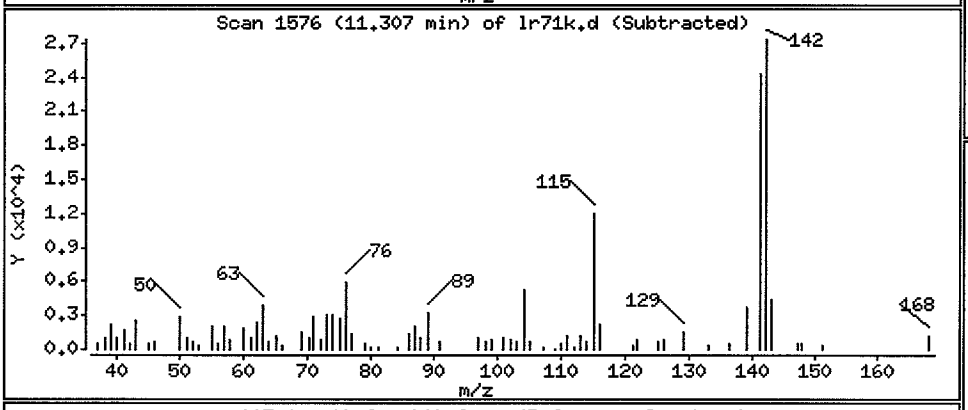
Column diameter: 0.32

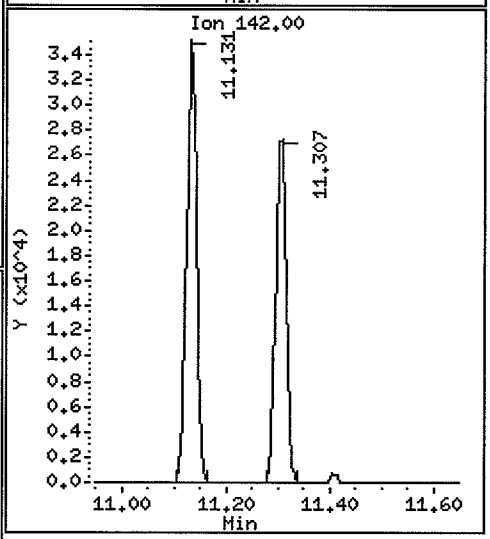
105 1-methylnaphthalene

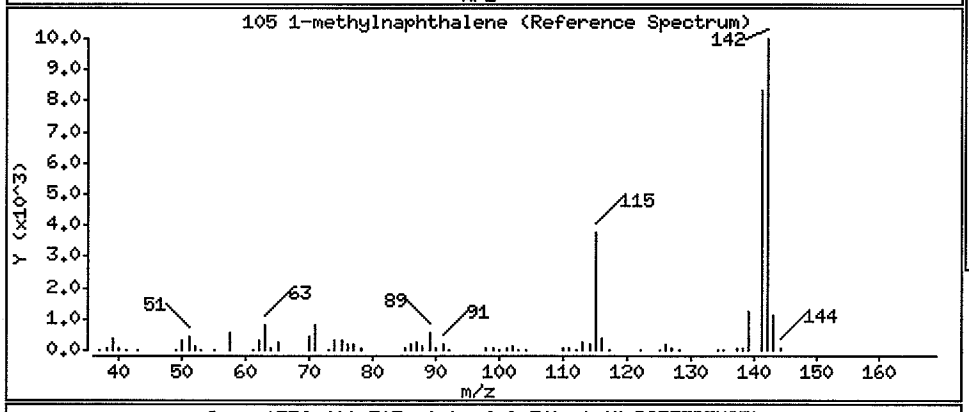
Concentration: 34.96 ug/kg

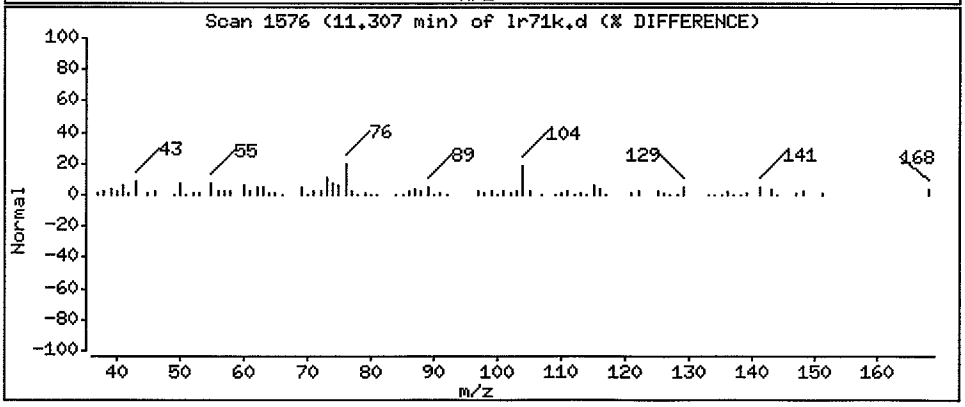




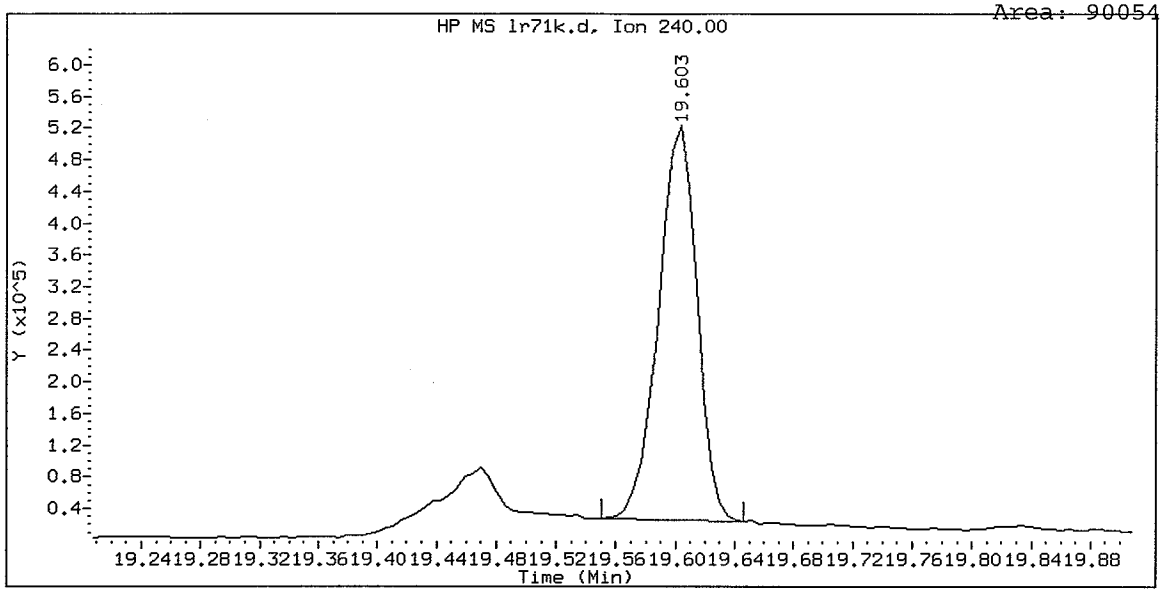


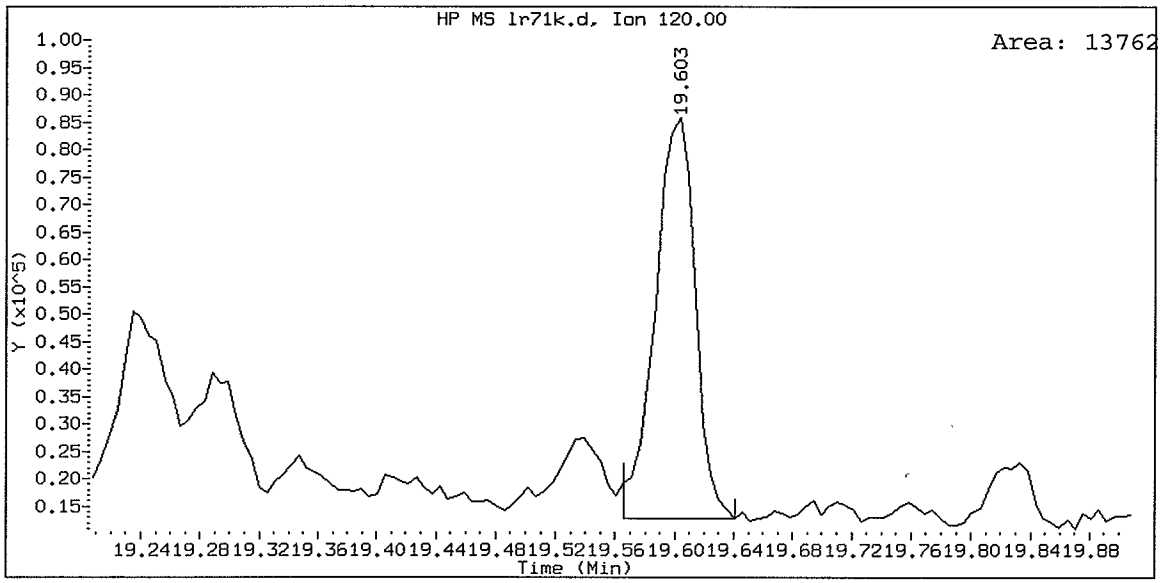


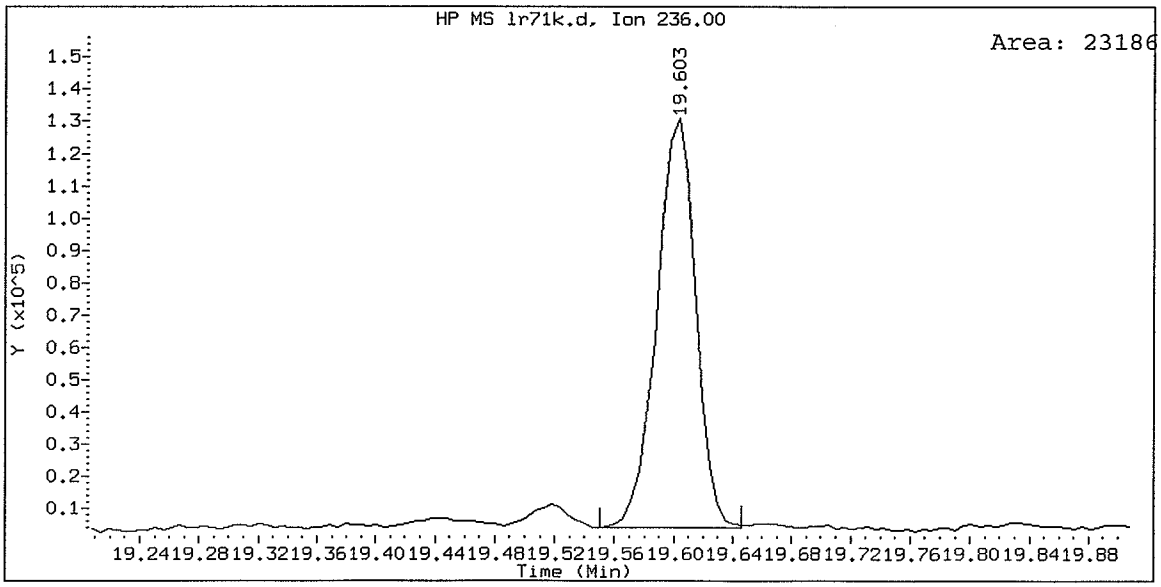




LR71K, /chem1/nt6.i/20071018.b/lr71k.d
Chrysene-d12 Amount: 20.00







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071018.b/lr71l.d
Lab Smp Id: LR71L Client Smp ID: AN-SS-09
Inj Date : 18-OCT-2007 21:25
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71L
Misc Info : 07-20777
Comment : 1ul Injection
Method : /chem1/nt6.i/20071018.b/SW846.m
Meth Date : 25-Oct-2007 15:32 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 20
Dil Factor: 1.00000
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	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	76.00000	Weight of sample extracted (g)
M	34.10000	% 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	5.965	5.917	(0.754)	326595	22.8001	455.2
$	2 Phenol-d5	99	7.509	7.488	(0.949)	363822	19.8827	397.0
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	7.610	7.600	(0.962)	246223	20.2033	403.4
	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	7.910	7.904	(1.000)	194381	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	8.214	8.204	(1.038)	103636	11.3399	226.4
	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.					

						CONCENTRATIONS	
	Compounds	QUANT SIG MASS	RT	EXP RT REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.				
	15 4-Methylphenol	108	8.684	8.674 (1.098)	7419	0.54350	10.85
$	18 Nitrobenzene-d5	82	8.850	8.845 (0.887)	250826	12.4644	248.9
	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	9.972	9.961 (1.000)	626323	20.0000	
	28 Naphthalene	128	10.004	9.999 (1.003)	41585	1.07713	21.51
	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	11.136	11.126 (1.117)	64340	3.31674	66.22
	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	11.788	11.777 (0.917)	383516	12.3614	246.8
	37 2-Chloronaphthalene	162	Compound Not Detected.				
	38 2-Nitroaniline	65	Compound Not Detected.				
	39 Dimethylphthalate	163	Compound Not Detected.				
	40 Acenaphthylene	152	12.600	12.584 (0.980)	29311	0.71734	14.32
	41 2,6-Dinitrotoluene	165	Compound Not Detected.				
*	42 Acenaphthene-d10	164	12.851	12.841 (1.000)	398480	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.				
	44 Acenaphthene	153	12.904	12.894 (1.004)	25048	0.97127	19.39
	45 2,4-Dinitrophenol	184	Compound Not Detected.				
	46 Dibenzofuran	168	13.166	13.156 (1.025)	50074	1.38594	27.67
	47 4-Nitrophenol	109	Compound Not Detected.				
	48 2,4-Dinitrotoluene	165	Compound Not Detected.				
	50 Diethylphthalate	149	Compound Not Detected.				
	49 Fluorene	166	13.722	13.711 (1.068)	34180	1.19773	23.91
	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	14.155	14.139 (1.101)	94448	24.4298	487.8
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.				
	57 Hexachlorobenzene	284	Compound Not Detected.				
	58 Pentachlorophenol	266	Compound Not Detected.				
*	59 Phenanthrene-d10	188	15.239	15.223 (1.000)	717880	20.0000	
	60 Phenanthrene	178	15.271	15.261 (1.002)	226953	4.92737	98.38
	61 Anthracene	178	15.346	15.335 (1.007)	80428	1.74391	34.82
	62 Carbazole	167	15.640	15.624 (1.026)	36206	0.88256	17.62(M)
	63 Di-n-butylphthalate	149	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	64 Fluoranthene	202	17.226	17.205	(1.130)	1200697	22.7955	455.1
	65 Pyrene	202	17.584	17.563	(0.898)	934553	15.1540	302.6
$	66 Terphenyl-d14	244	17.905	17.884	(0.914)	584103	15.1318	302.1
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	19.561	19.529	(0.999)	341054	5.06934	101.2
*	69 Chrysene-d12	240	19.587	19.556	(1.000)	858666	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	19.625	19.598	(1.002)	820513	13.5714	271.0
	72 bis(2-Ethylhexyl)phthalate	149	19.769	19.785	(0.953)	406807	10.7538	214.7(H)
*	134 Di-n-octylphthalate-d4	153	20.752	20.720	(1.000)	1251061	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	21.233	21.190	(0.976)	373547	9.72909	194.3
	75 Benzo(k)fluoranthene	252	21.254	21.228	(0.977)	237776	5.85430	116.9(M)
	76 Benzo(a)pyrene	252	21.676	21.639	(0.996)	145789	4.13635	82.59
*	77 Perylene-d12	264	21.756	21.719	(1.000)	534676	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	23.252	23.215	(1.069)	39919	0.95500	19.07
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	23.653	23.616	(1.087)	27055	0.64725	12.92
	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	11.307	11.297	(1.134)	41204	2.12997	42.53
	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: lr71l.d
Lab Smp Id: LR71L
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20777

Calibration Date: 18-OCT-2007
Calibration Time: 10:07
Client Smp ID: AN-SS-09
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	194381	-8.34
27 Naphthalene-d8	656578	328289	1313156	626323	-4.61
42 Acenaphthene-d10	353705	176852	707410	398480	12.66
59 Phenanthrene-d10	526440	263220	1052880	717880	36.37
69 Chrysene-d12	581923	290962	1163846	858666	47.56
134 Di-n-octylphthala	979097	489548	1958194	1251061	27.78
77 Perylene-d12	686531	343266	1373062	534676	-22.12

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.90	7.40	8.40	7.91	0.06
27 Naphthalene-d8	9.96	9.46	10.46	9.97	0.11
42 Acenaphthene-d10	12.84	12.34	13.34	12.85	0.08
59 Phenanthrene-d10	15.22	14.72	15.72	15.24	0.10
69 Chrysene-d12	19.56	19.06	20.06	19.59	0.16
134 Di-n-octylphthala	20.72	20.22	21.22	20.75	0.15
77 Perylene-d12	21.72	21.22	22.22	21.76	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

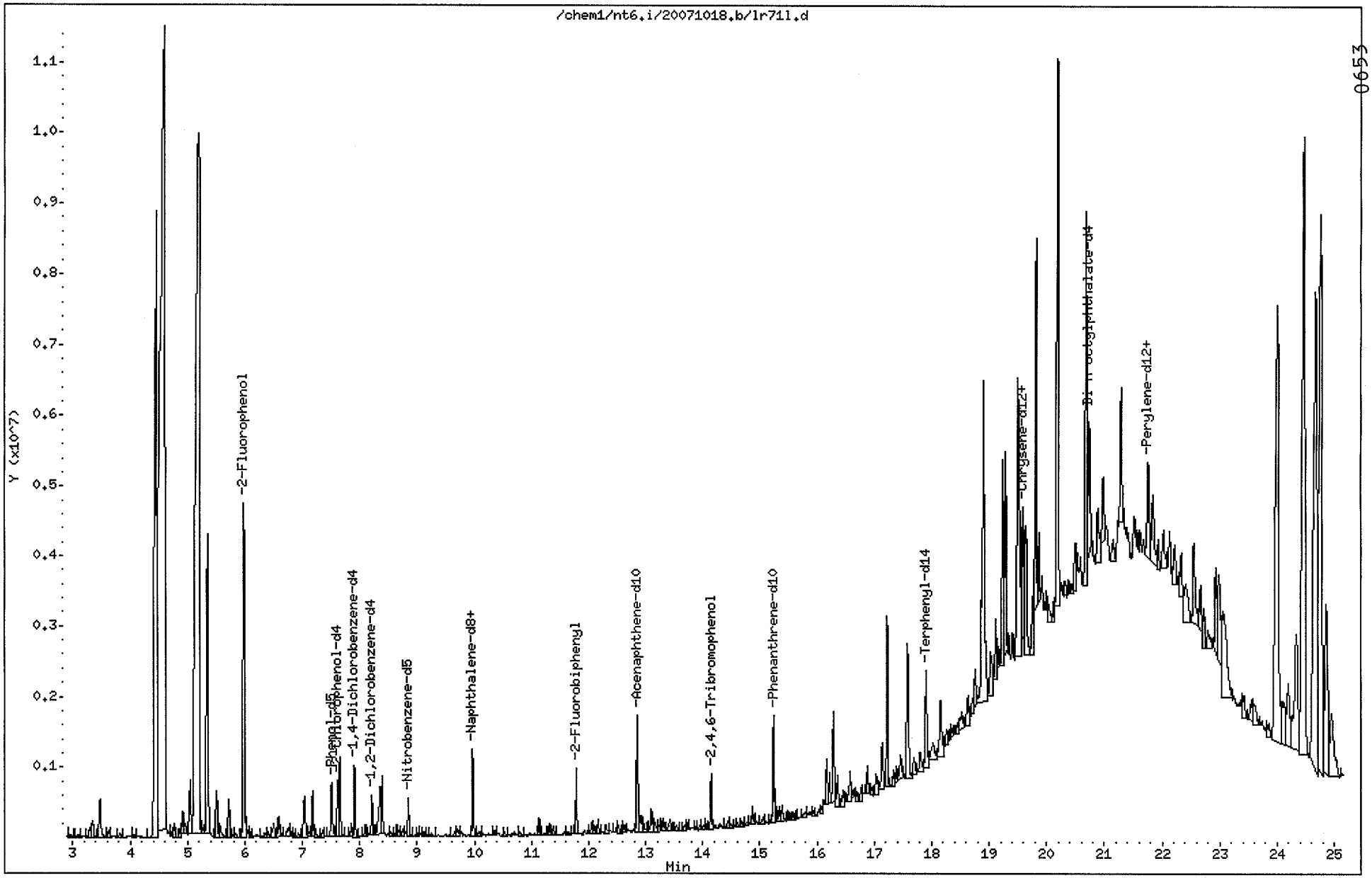
Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71L
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20777

Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-09
Operator: LJR/VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	748.7	455.2	60.80	11-84
$ 2 Phenol-d5	748.7	397.0	53.02	25-86
$ 5 2-Chlorophenol-d4	748.7	403.4	53.88	23-91
$ 10 1,2-Dichlorobenzen	499.2	226.4	45.36	24-90
$ 18 Nitrobenzene-d5	499.2	248.9	49.86	26-88
$ 36 2-Fluorobiphenyl	499.2	246.8	49.45	34-91
$ 55 2,4,6-Tribromophen	748.7	487.8	65.15	25-107
$ 66 Terphenyl-d14	499.2	302.1	60.53	22-100

Data File: /chem1/nt6.i/20071018.b/lr711.d
Date : 18-OCT-2007 21:25
Client ID: AN-SS-09
Sample Info: LR71L
Volume Injected (uL): 1.0
Column phase: ZB-5

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



Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

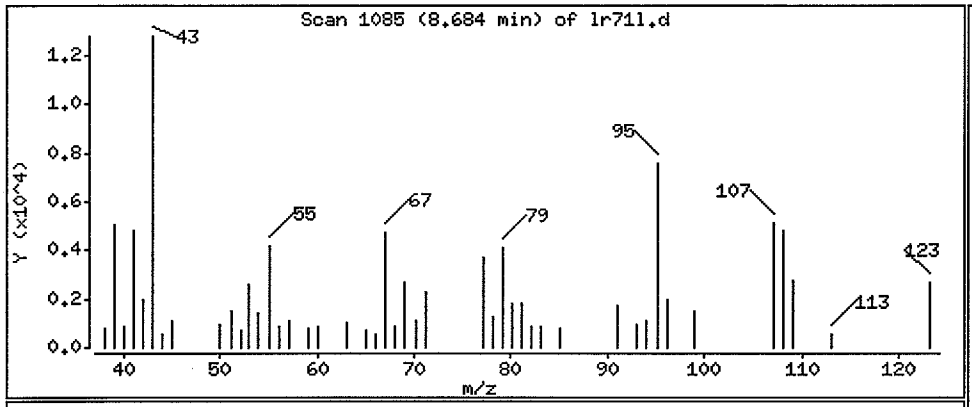
Operator: LJR/VTS

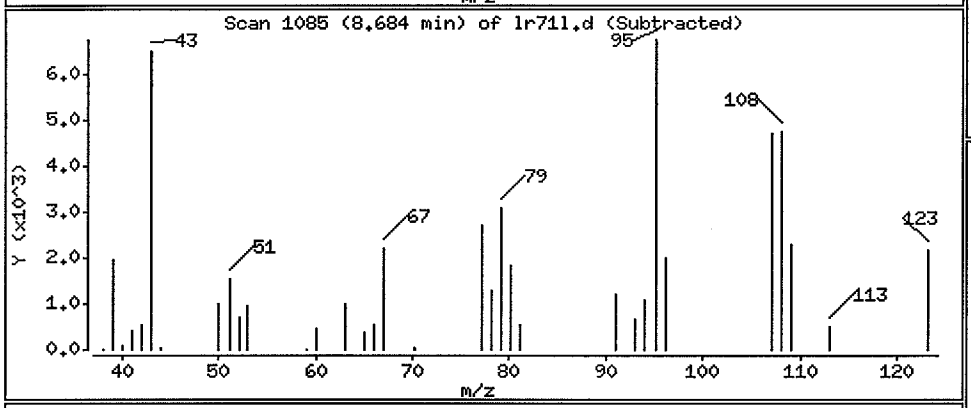
Column phase: ZB-5

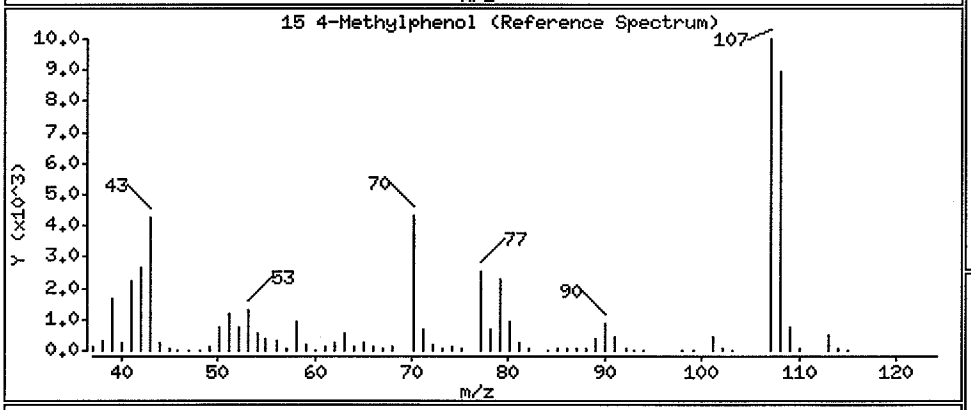
Column diameter: 0.32

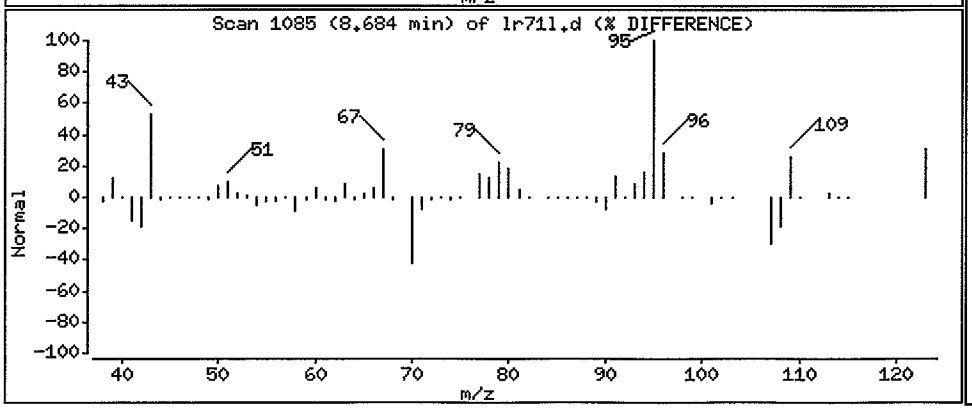
15 4-Methylphenol

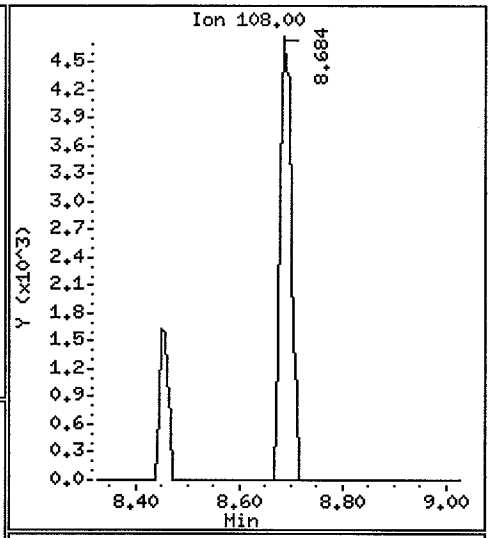
Concentration: 10.85 ug/kg

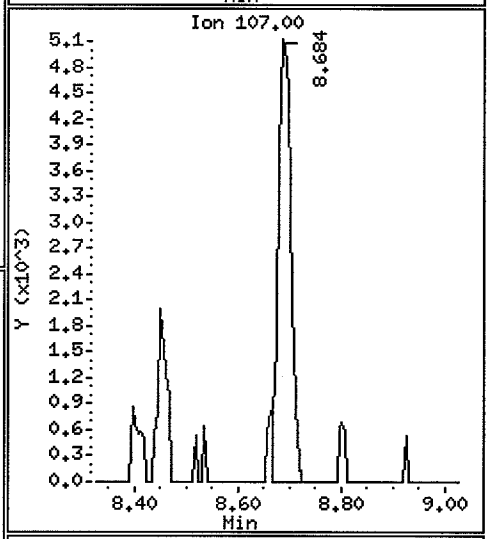


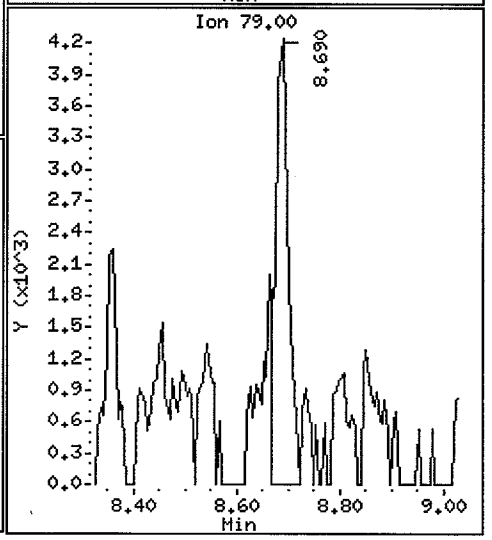












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

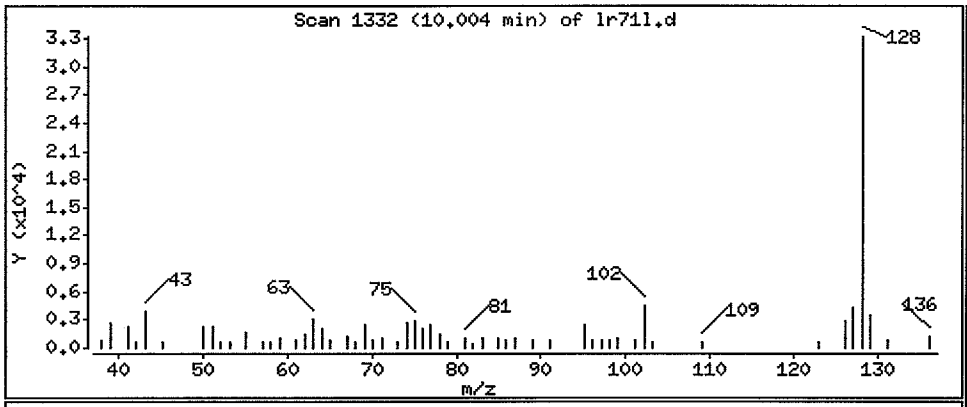
Operator: LJR/VTS

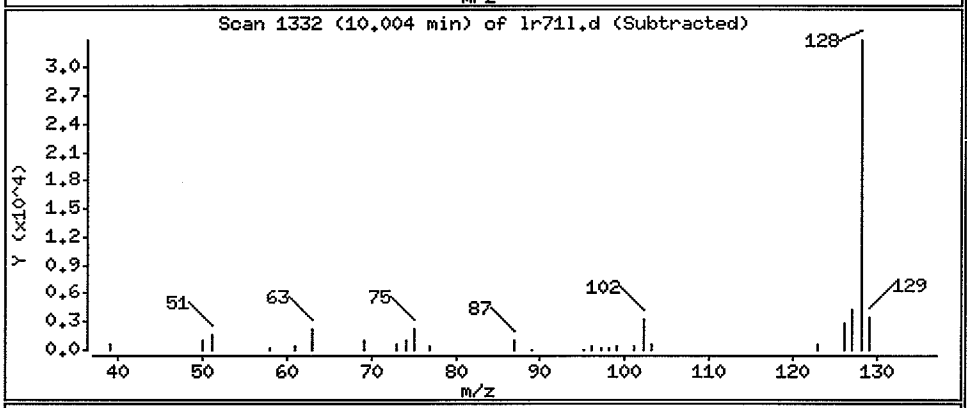
Column phase: ZB-5

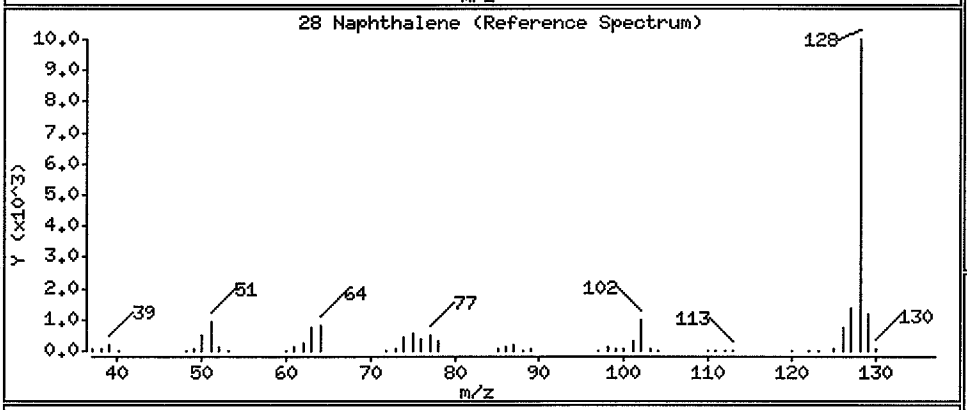
Column diameter: 0.32

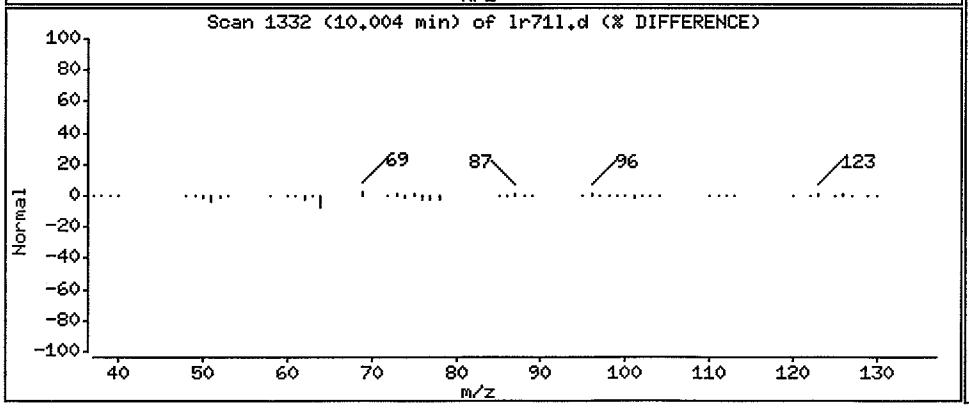
28 Naphthalene

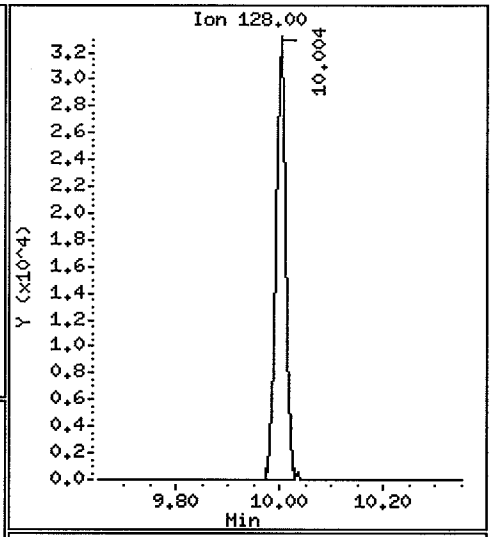
Concentration: 21.51 ug/kg

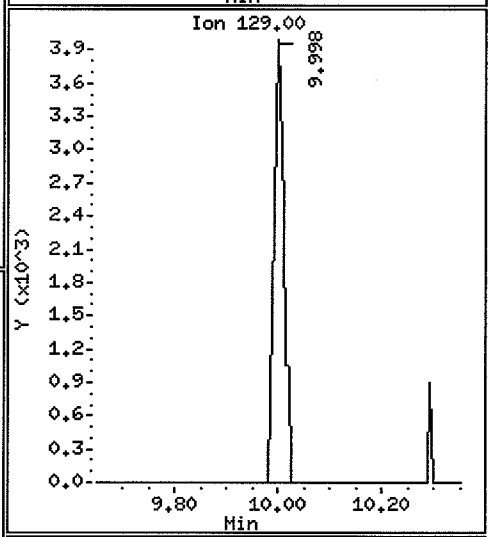


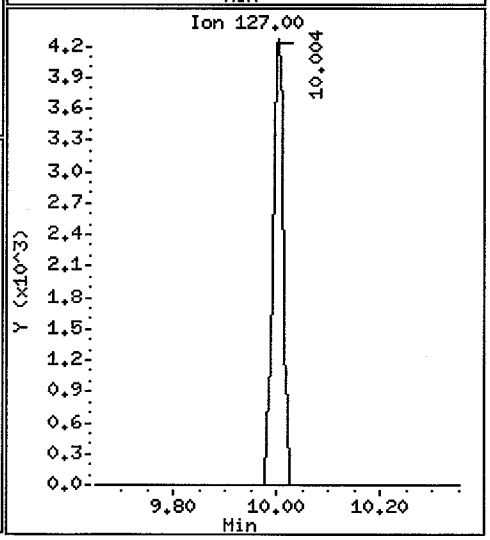












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

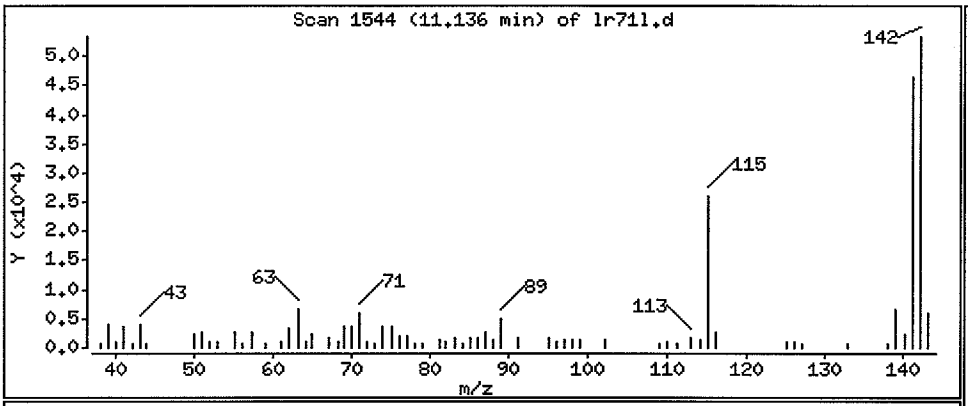
Operator: LJR/VTS

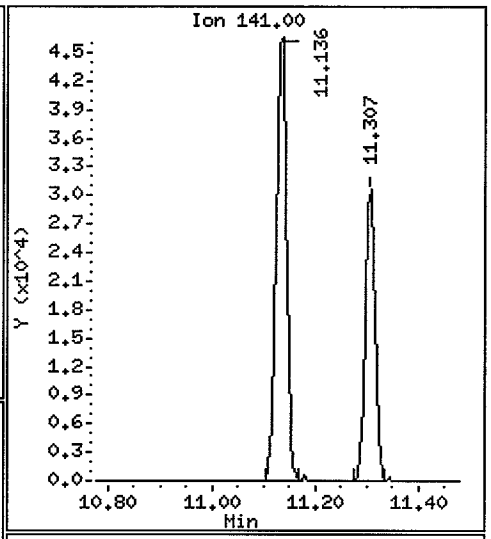
Column phase: ZB-5

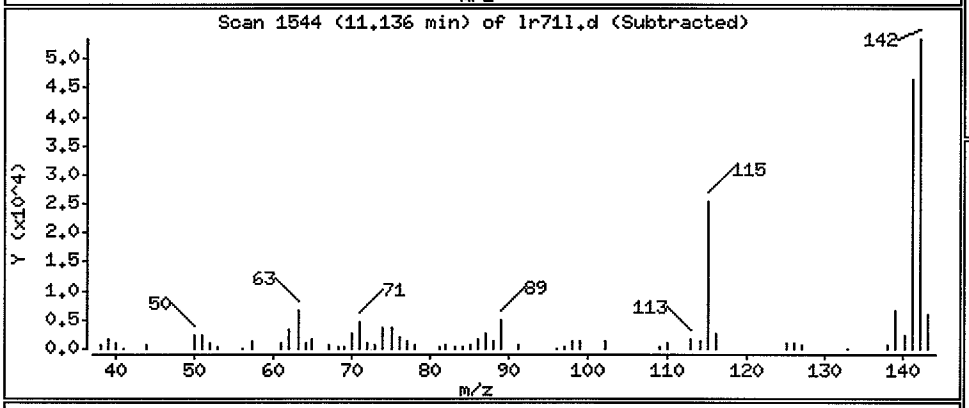
Column diameter: 0.32

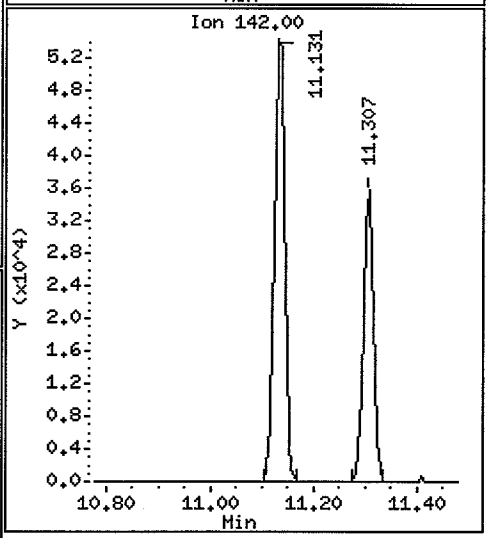
32 2-Methylnaphthalene

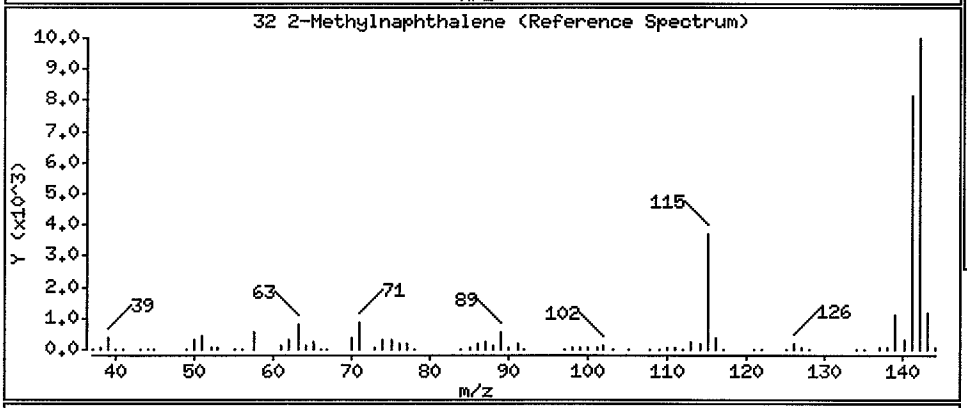
Concentration: 66.22 ug/kg

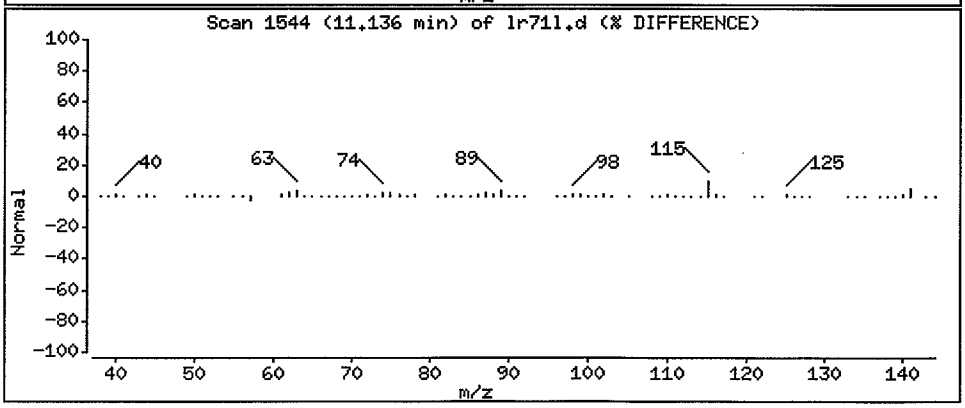












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

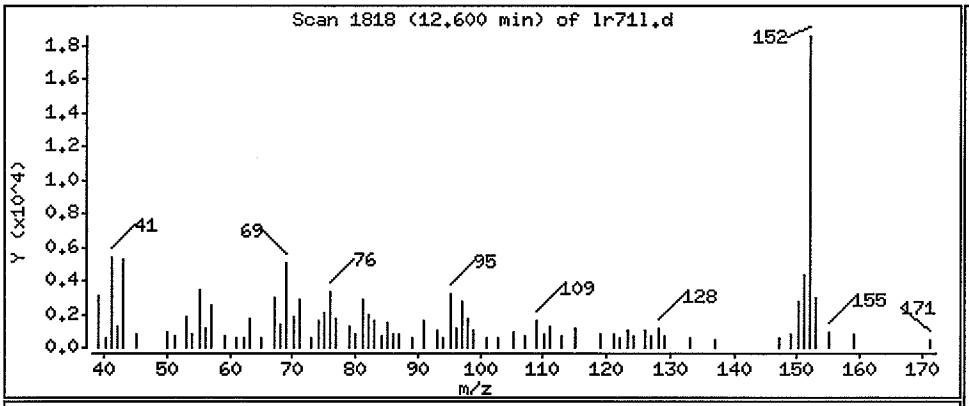
Operator: LJR/VTS

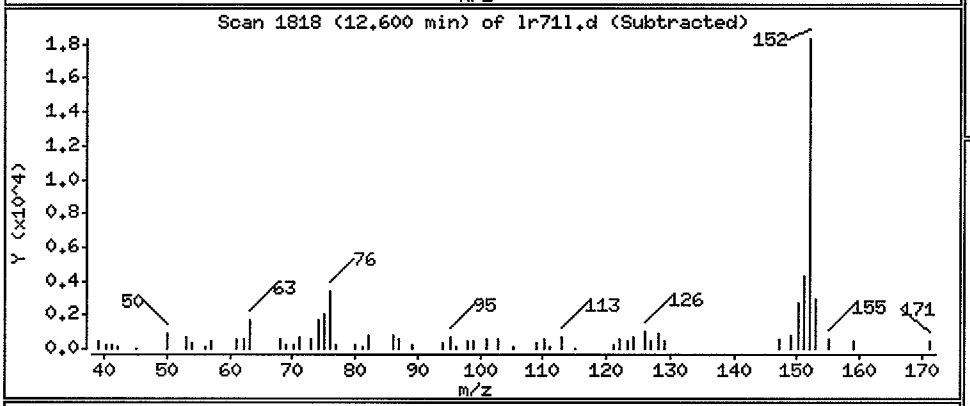
Column phase: ZB-5

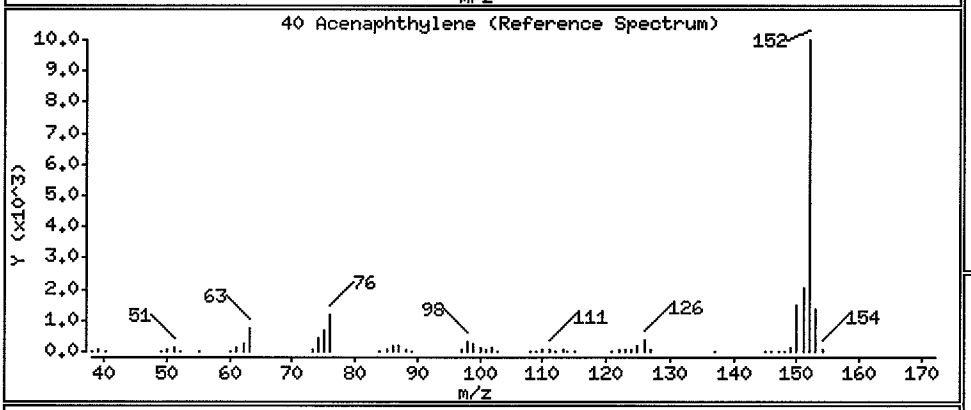
Column diameter: 0.32

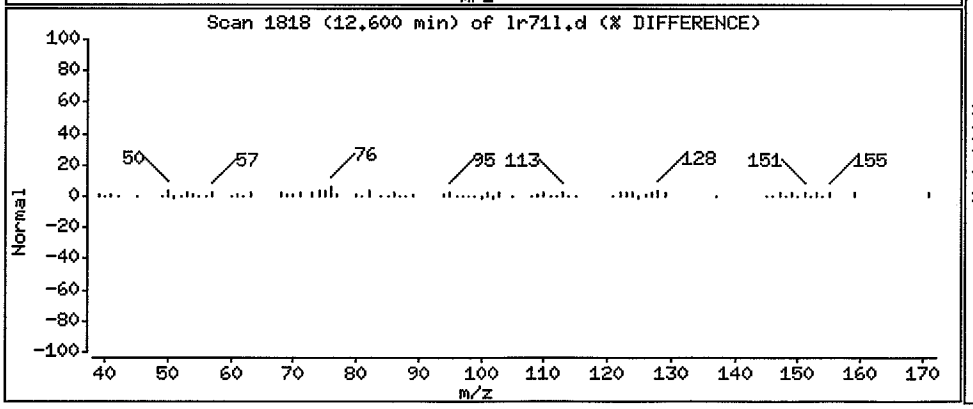
40 Acenaphthylene

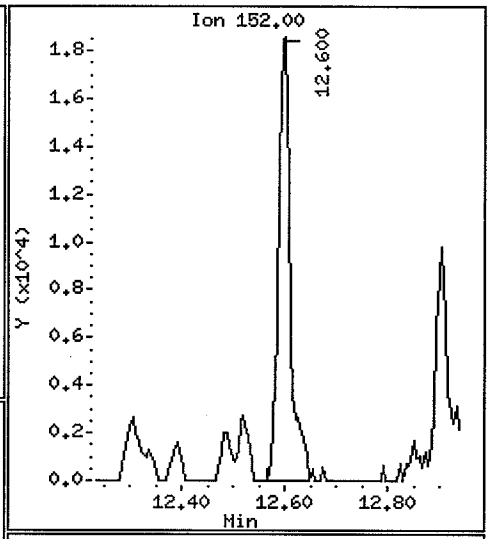
Concentration: 14.32 ug/kg

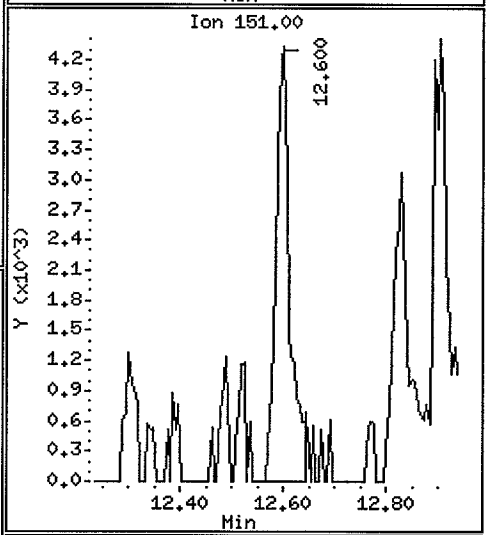


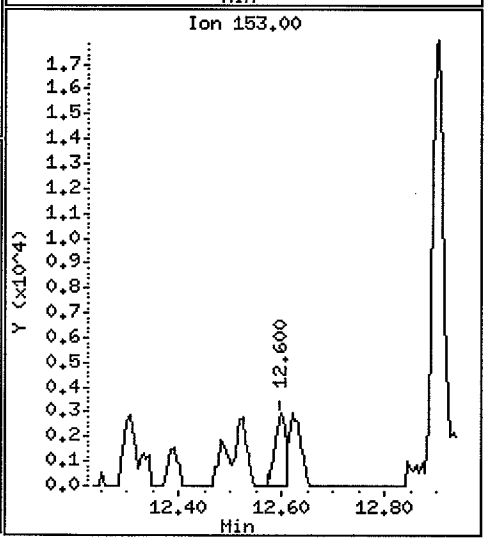












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

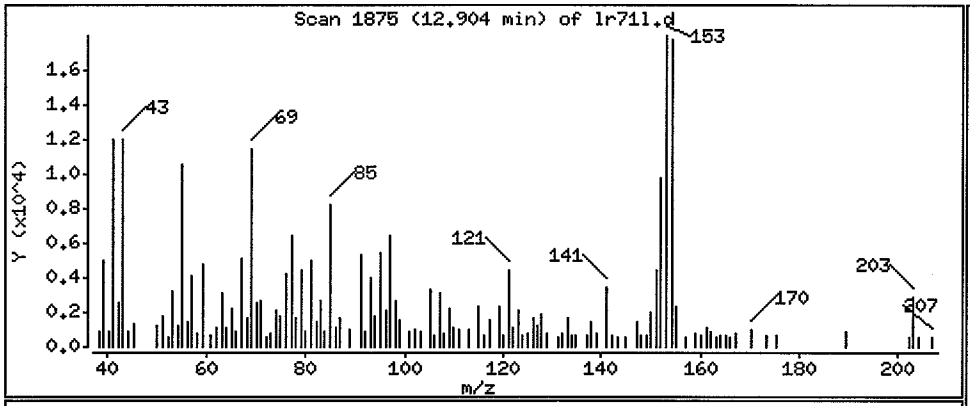
Operator: LJR/VTS

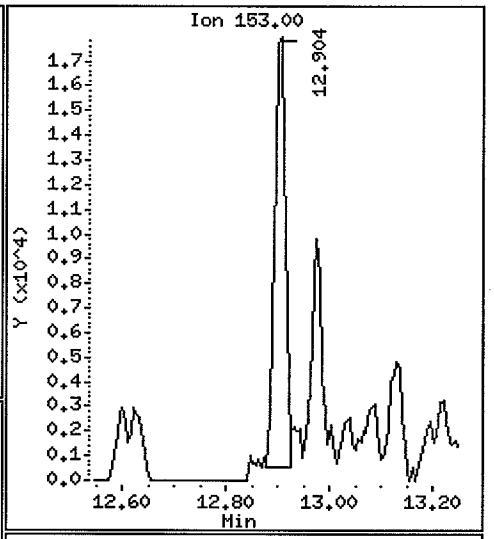
Column phase: ZB-5

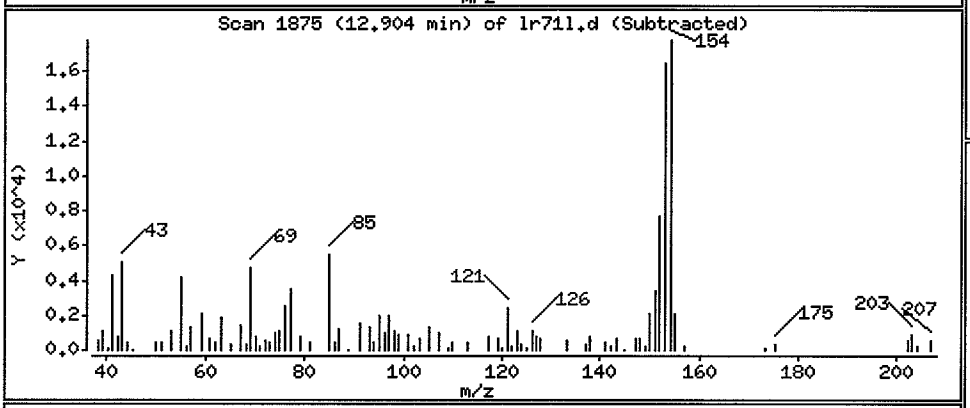
Column diameter: 0.32

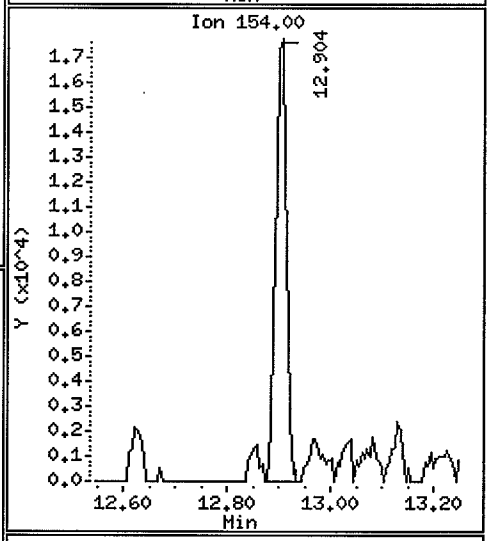
44 Acenaphthene

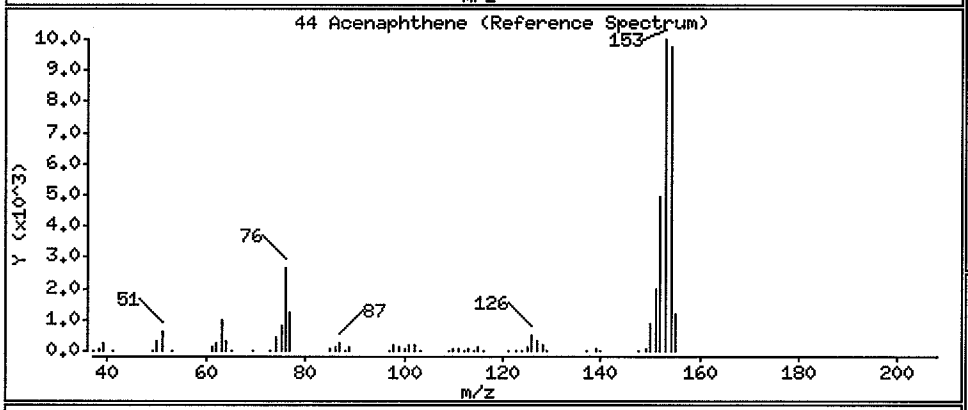
Concentration: 19.39 ug/kg

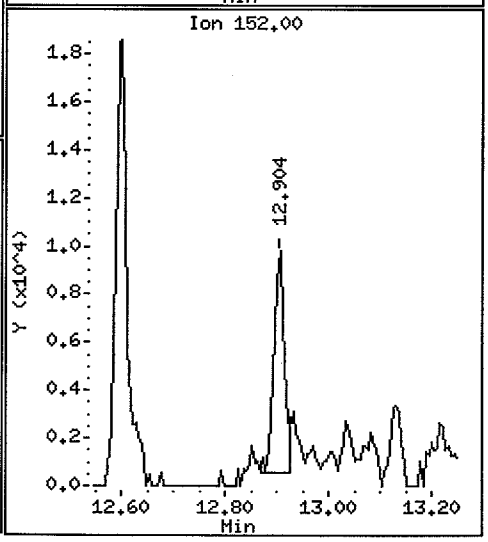


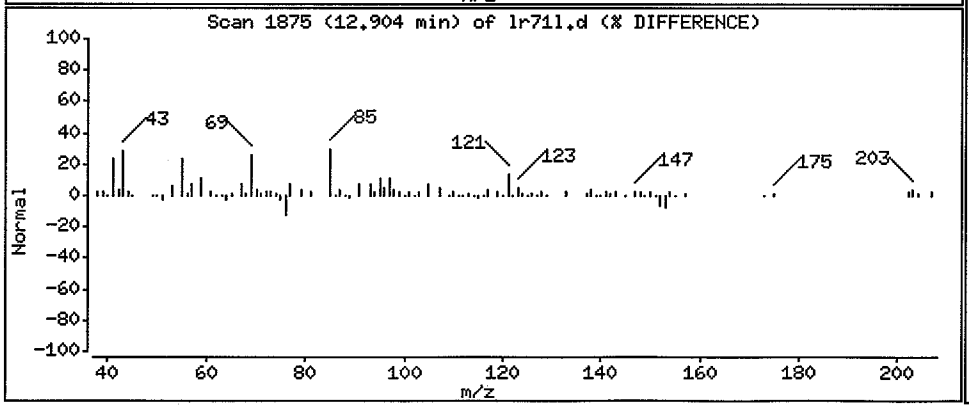












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

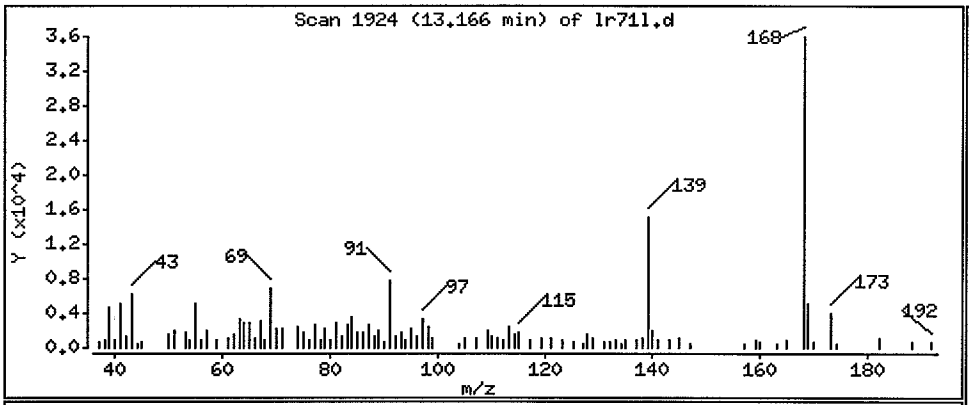
Operator: LJR/VTS

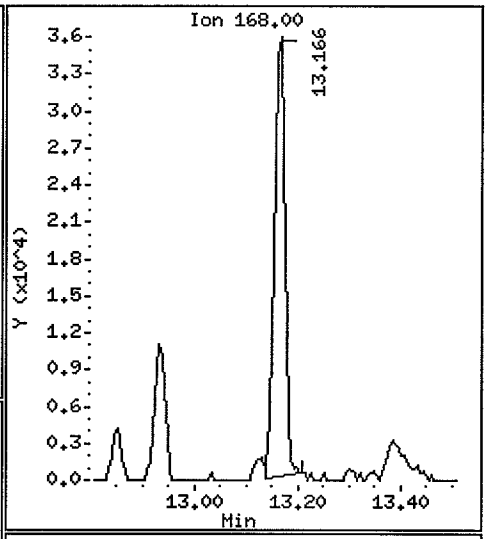
Column phase: ZB-5

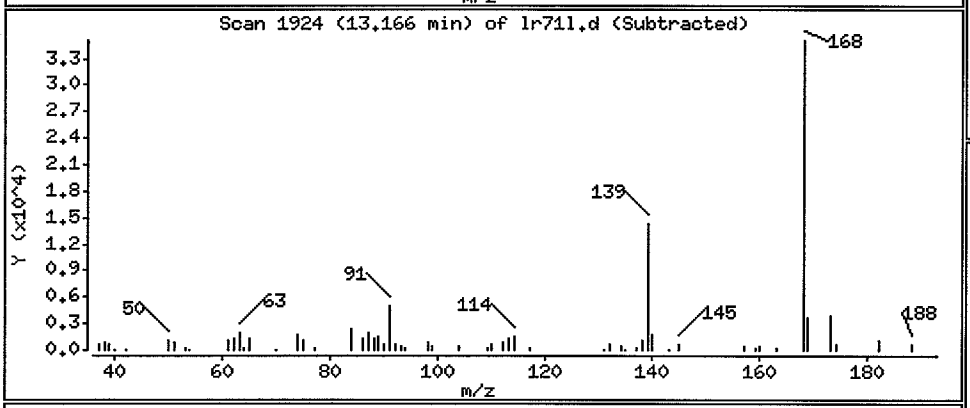
Column diameter: 0.32

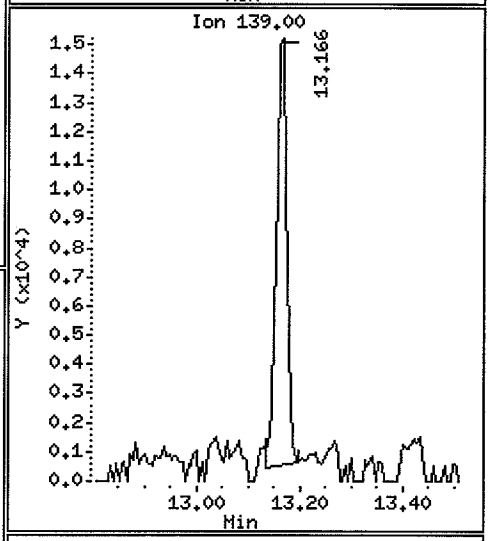
46 Dibenzofuran

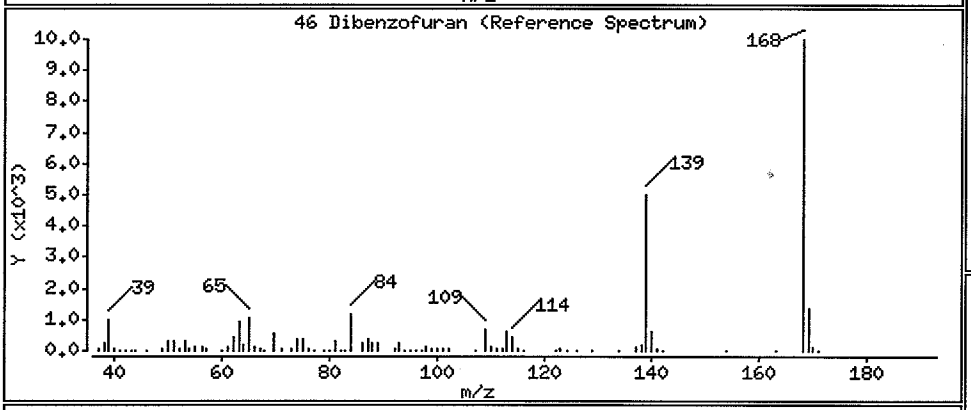
Concentration: 27.67 ug/kg

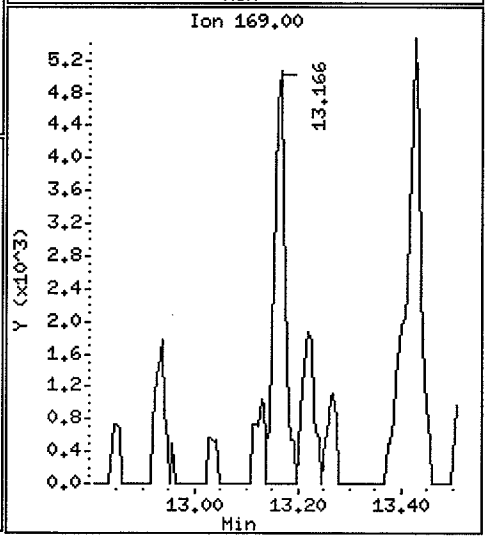


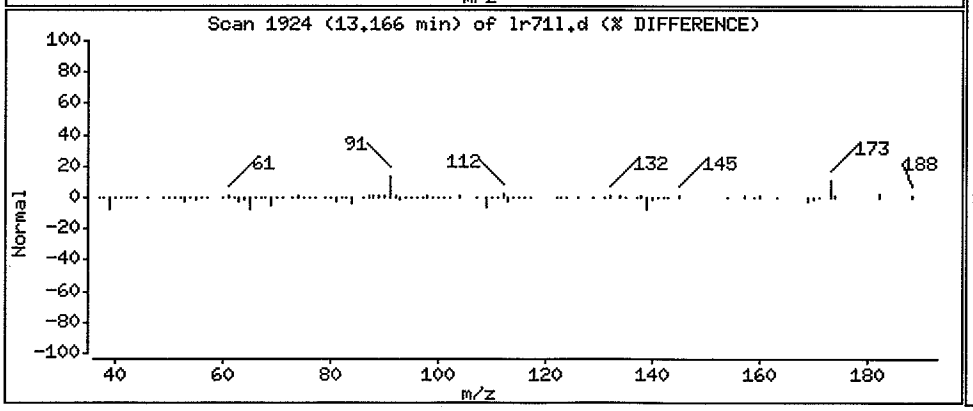












Data File: /chem1/nt6.i/20071018.b/lr71l.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

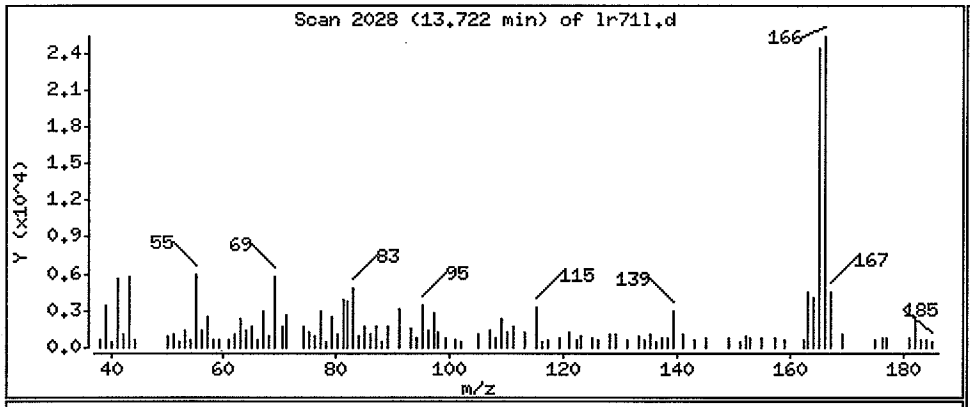
Operator: LJR/VTS

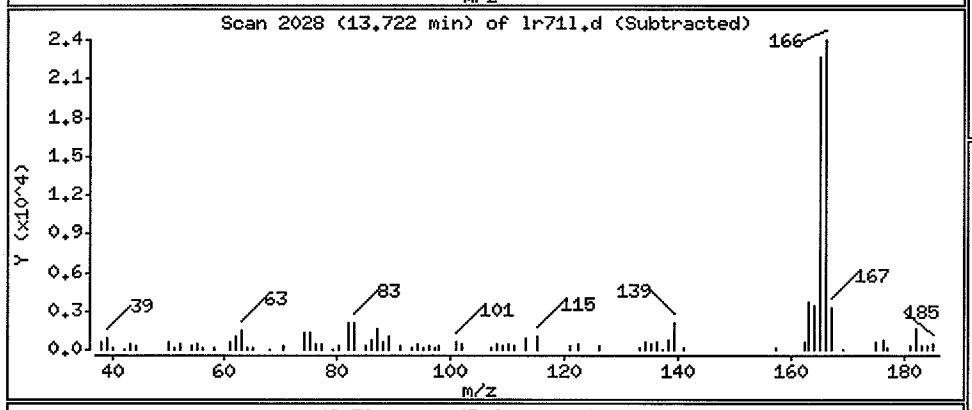
Column phase: ZB-5

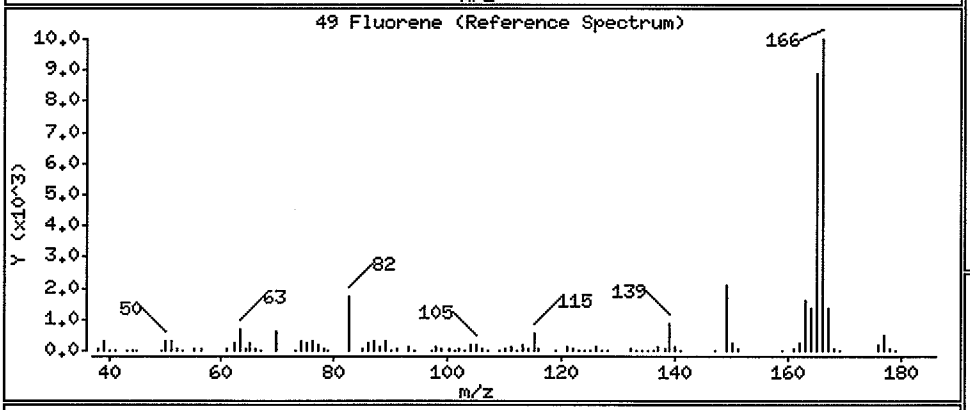
Column diameter: 0.32

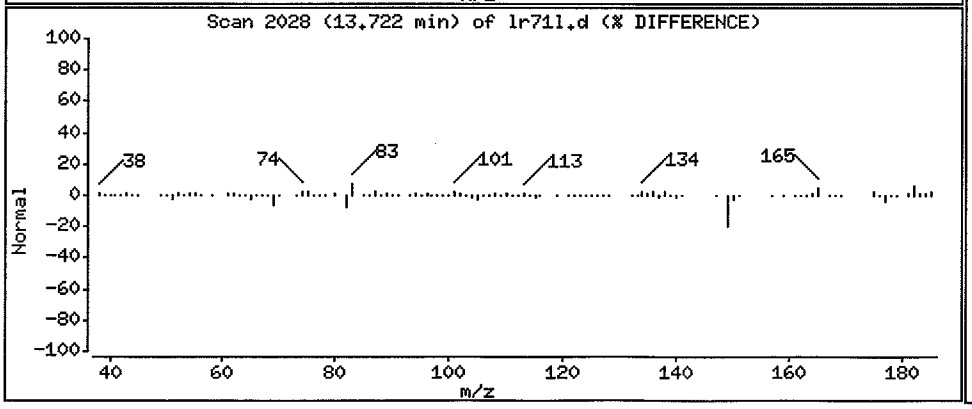
49 Fluorene

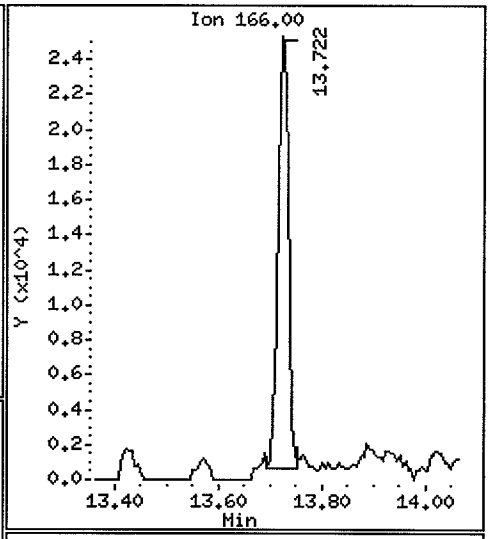
Concentration: 23.91 ug/kg

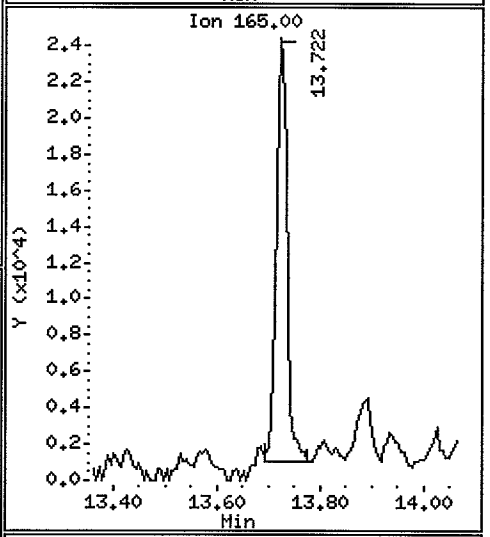


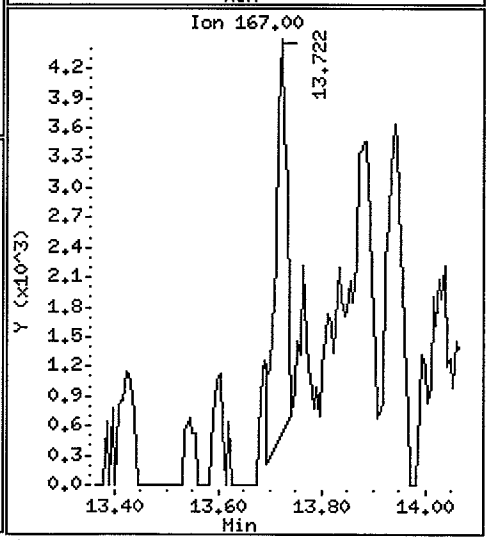












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

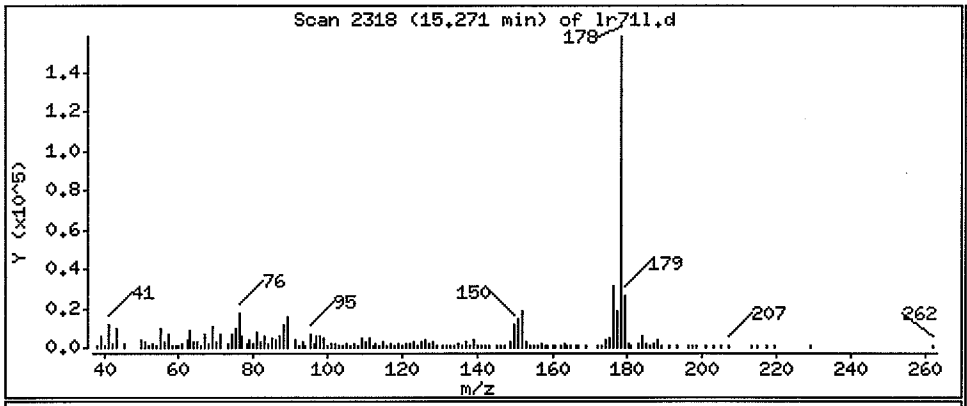
Client ID: AN-SS-09 Instrument: nt6.i

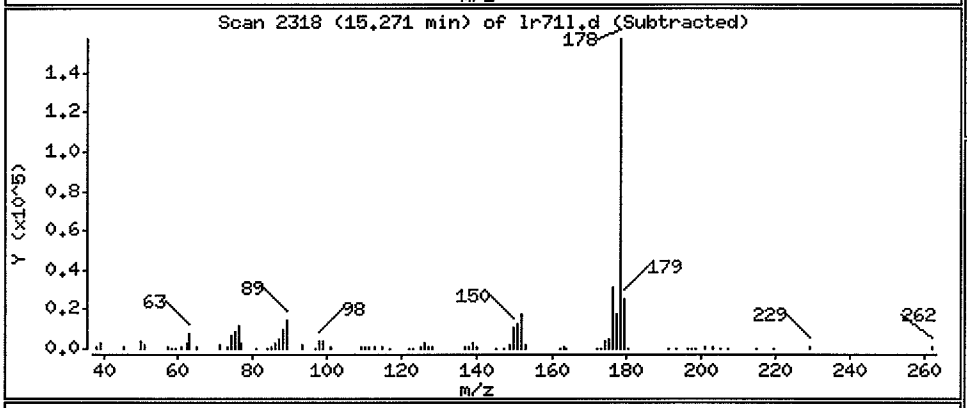
Sample Info: LR71L

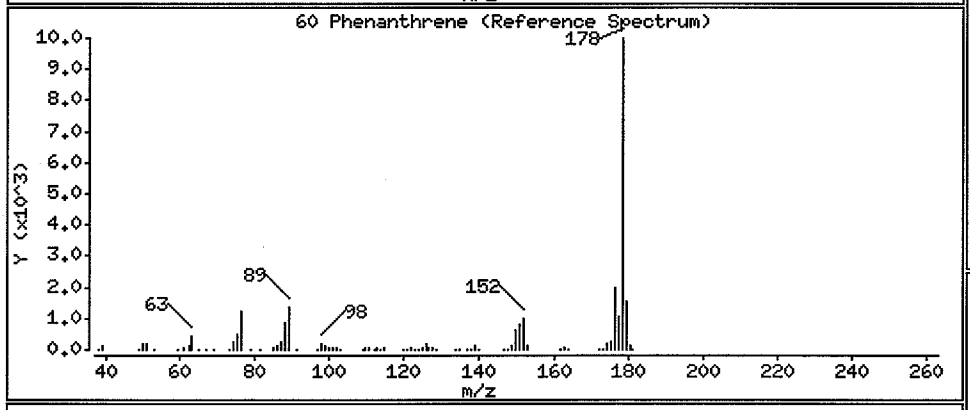
Volume Injected (uL): 1.0 Operator: LJR/VTS

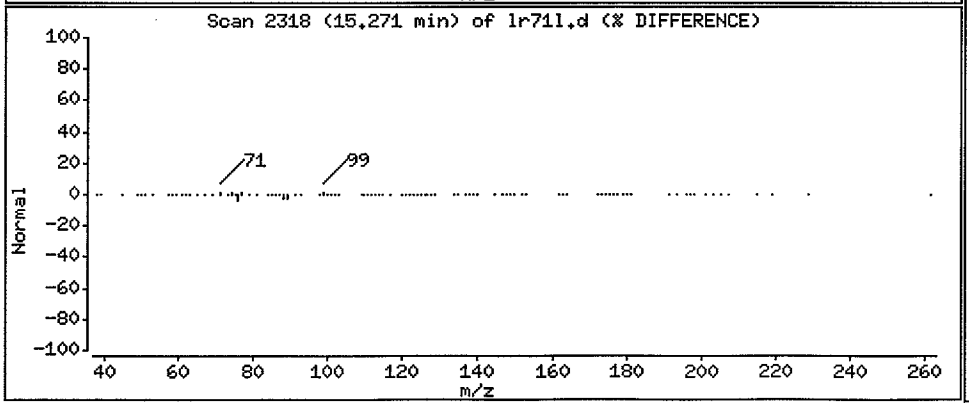
Column phase: ZB-5 Column diameter: 0.32

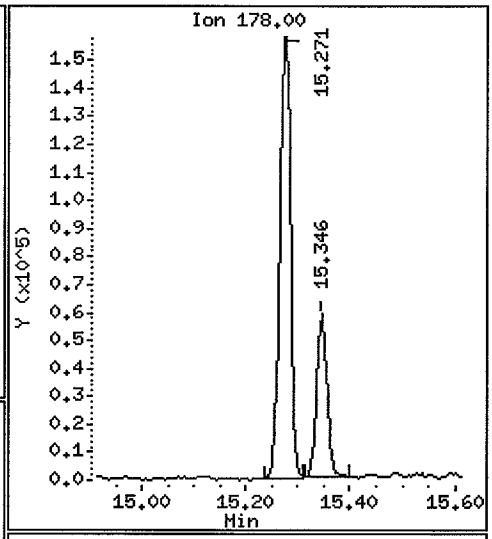
60 Phenanthrene Concentration: 98.38 ug/kg

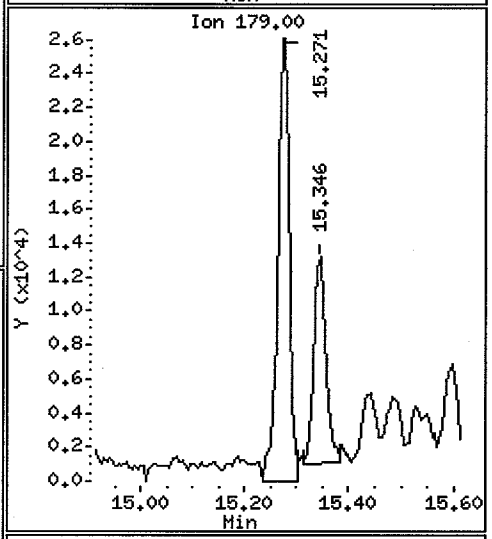


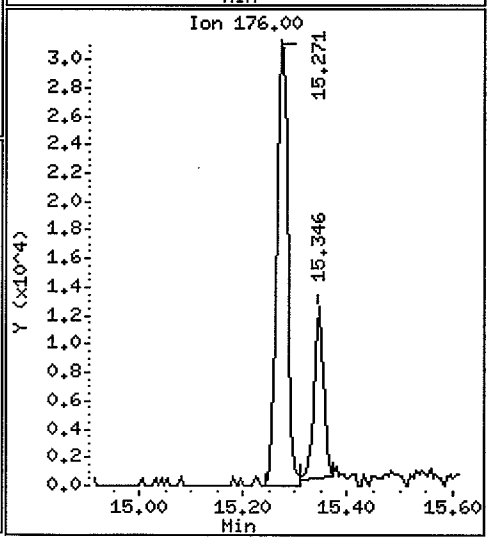












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

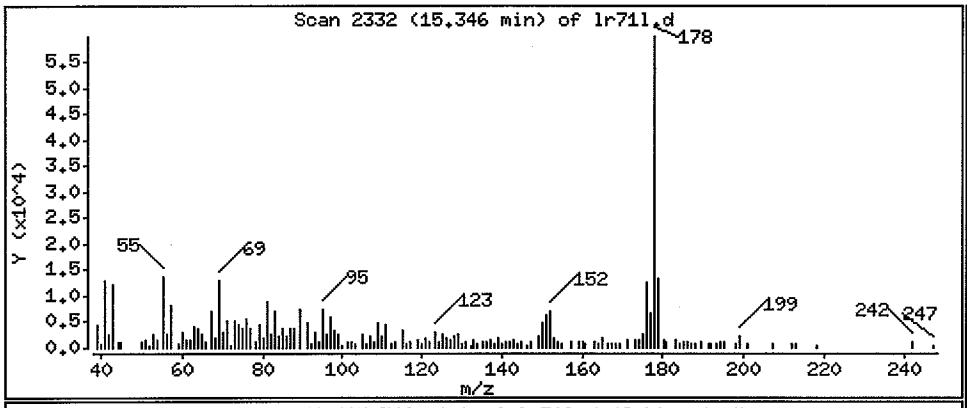
Operator: LJR/VTS

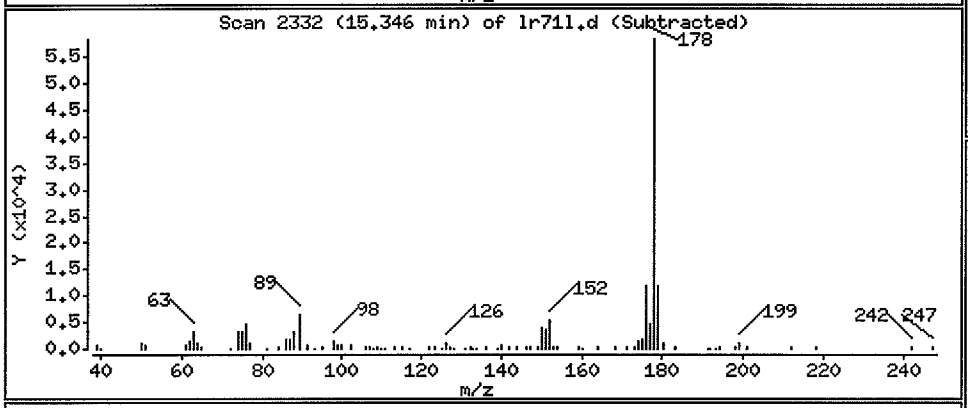
Column phase: ZB-5

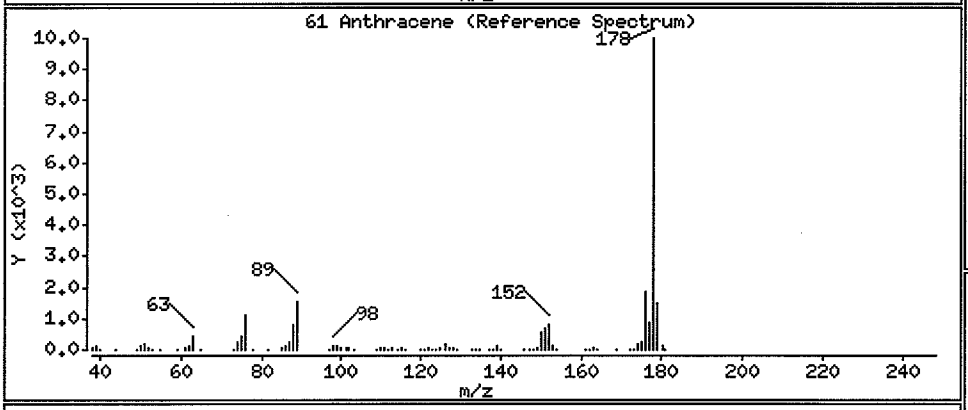
Column diameter: 0.32

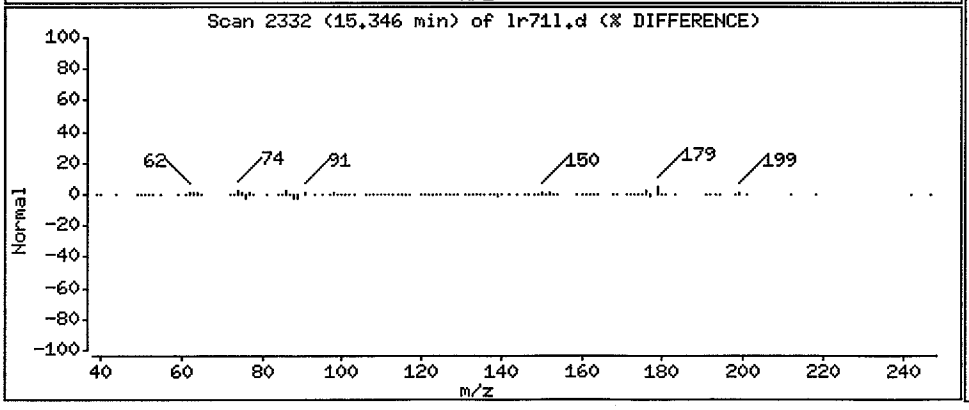
61 Anthracene

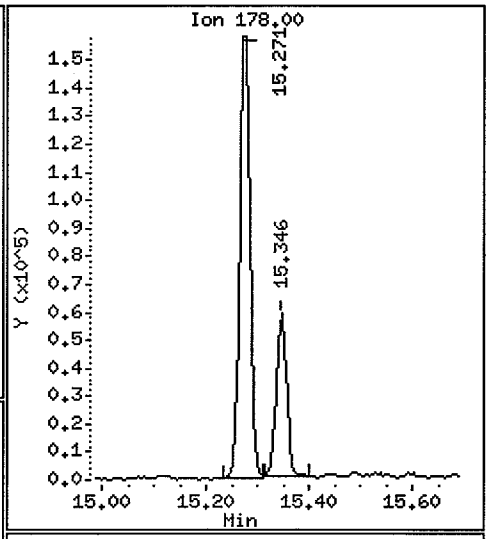
Concentration: 34.82 ug/kg

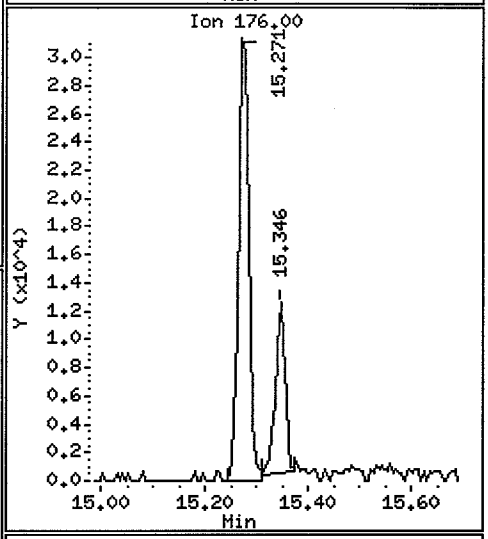


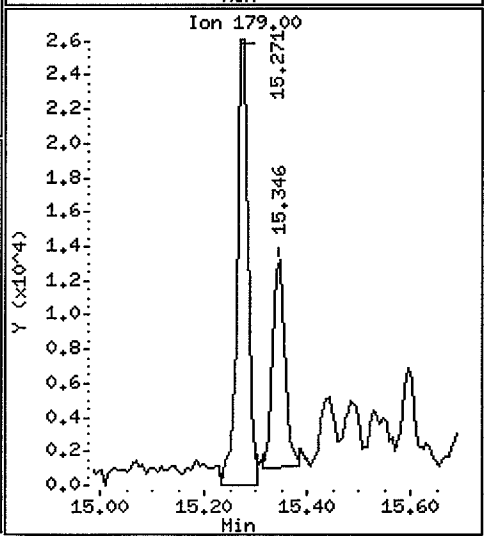












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

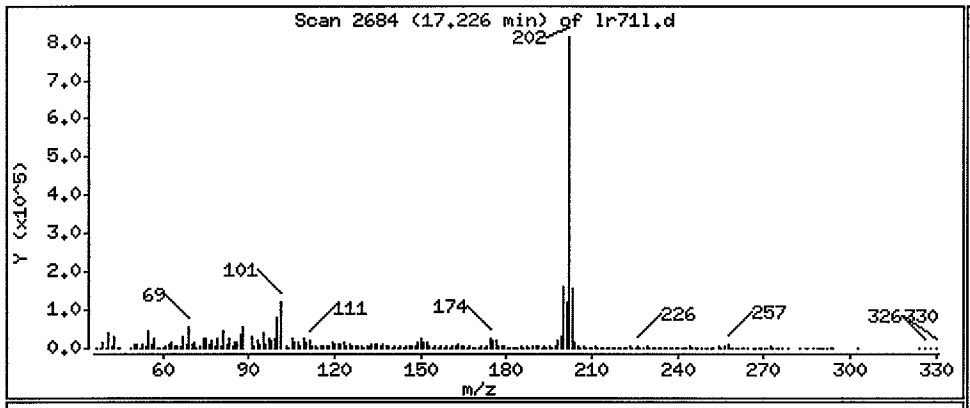
Operator: LJR/VTS

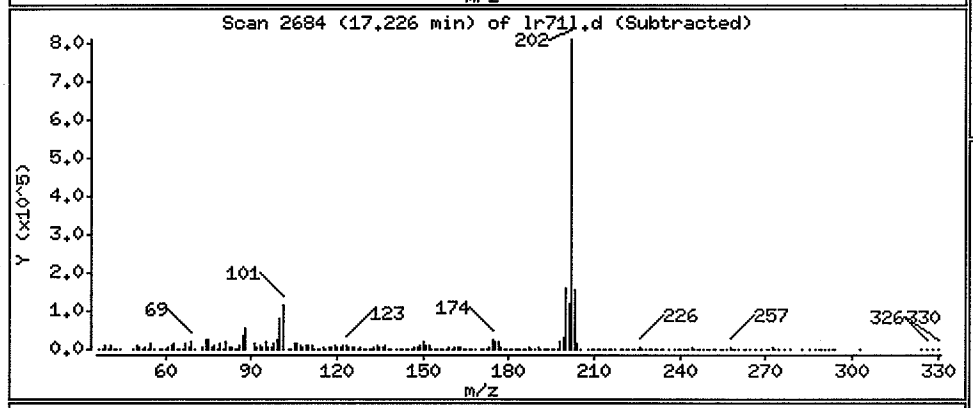
Column phase: ZB-5

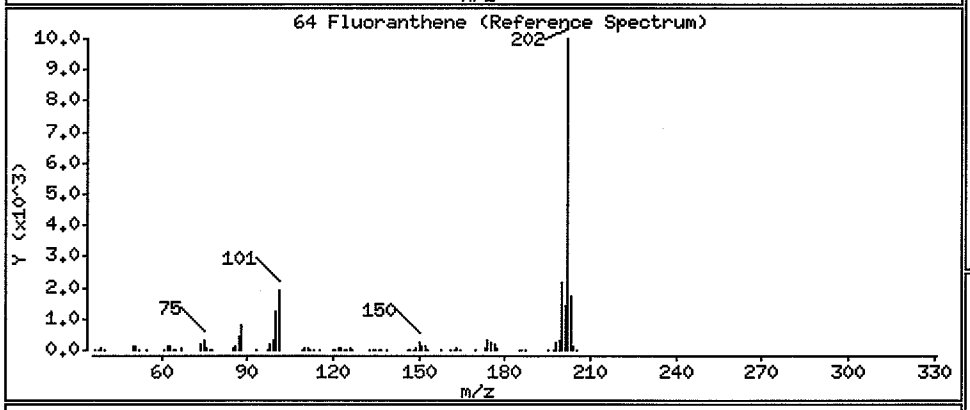
Column diameter: 0.32

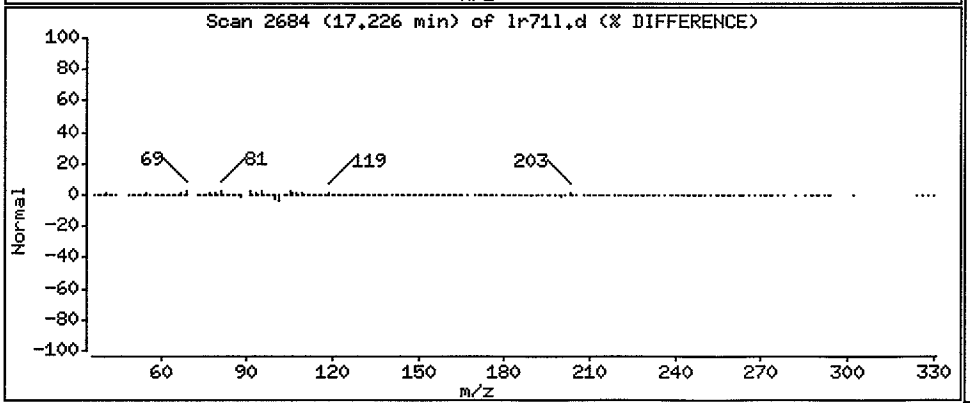
64 Fluoranthene

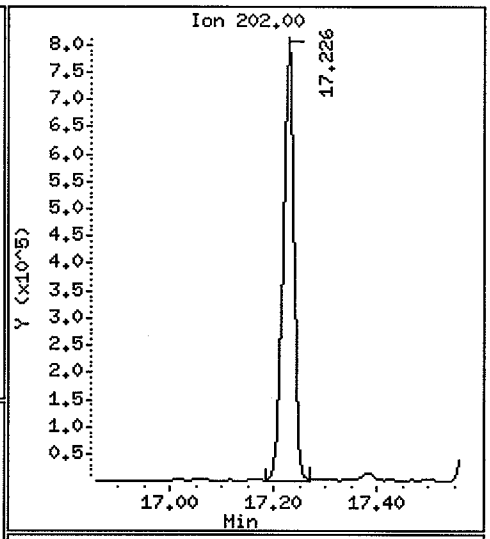
Concentration: 455.1 ug/kg

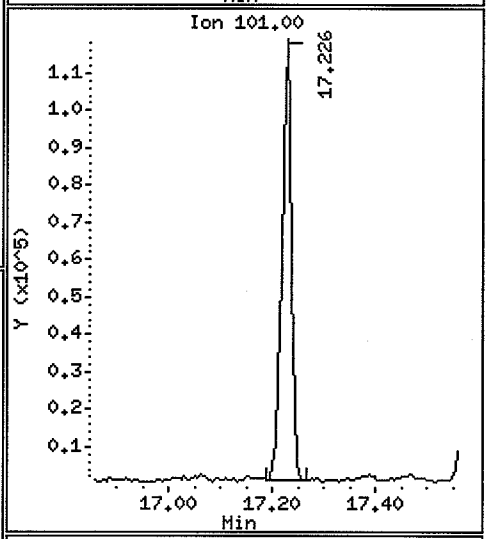


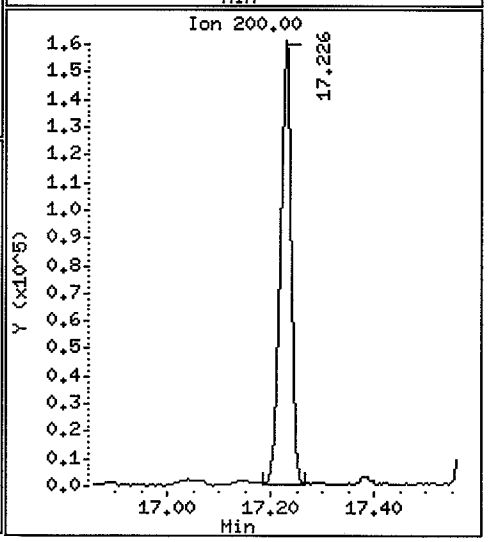












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

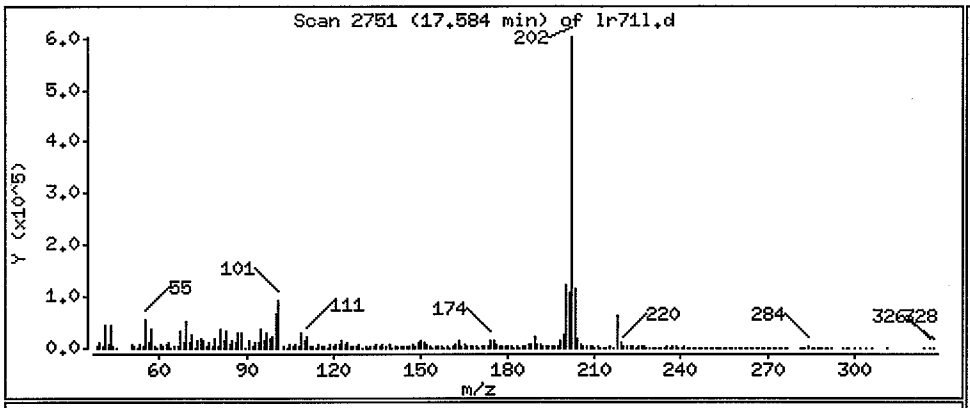
Operator: LJR/VTS

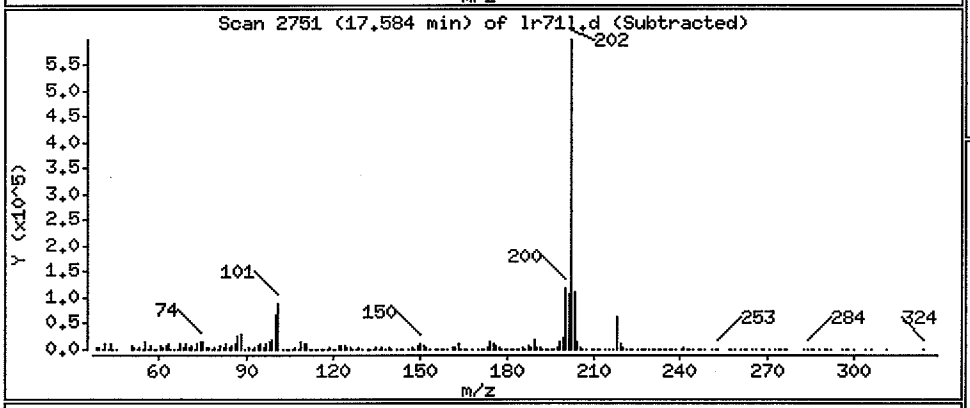
Column phase: ZB-5

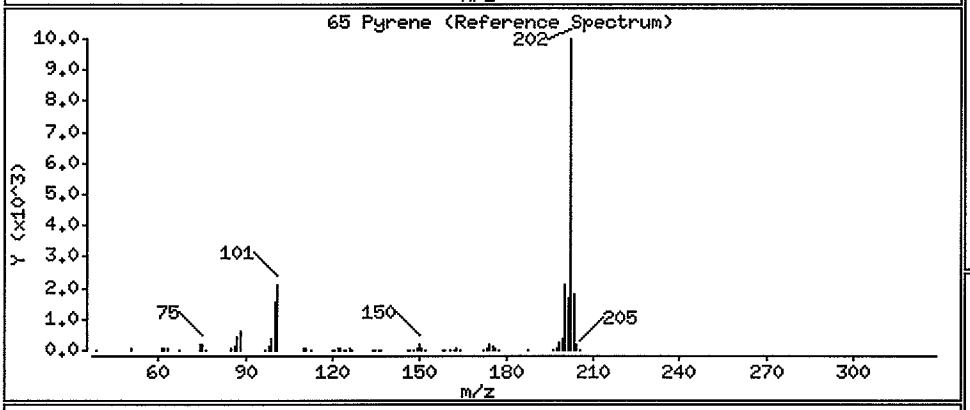
Column diameter: 0.32

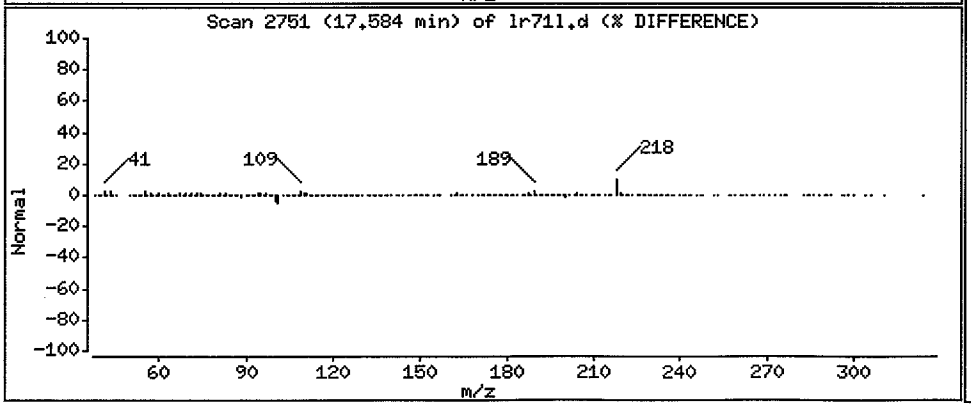
65 Pyrene

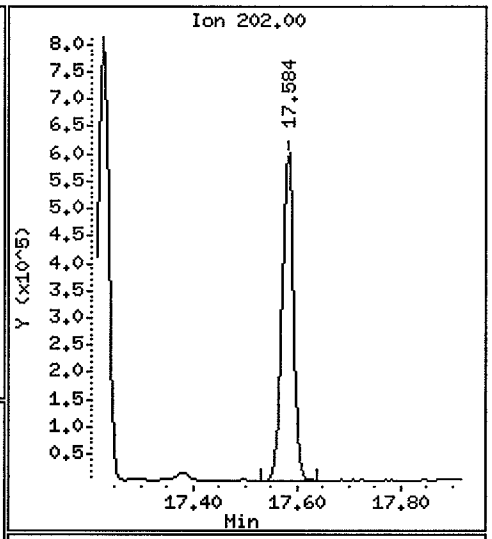
Concentration: 302.6 ug/kg

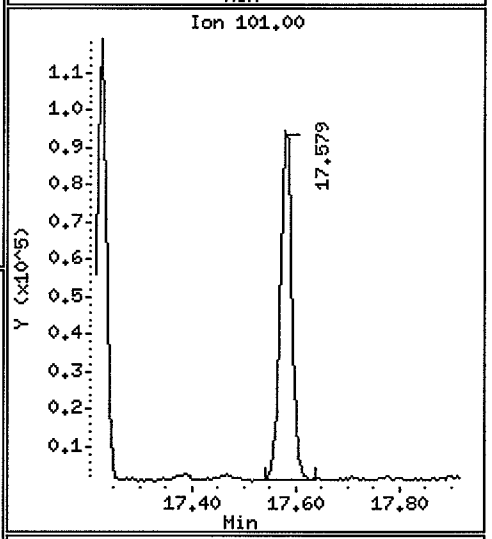


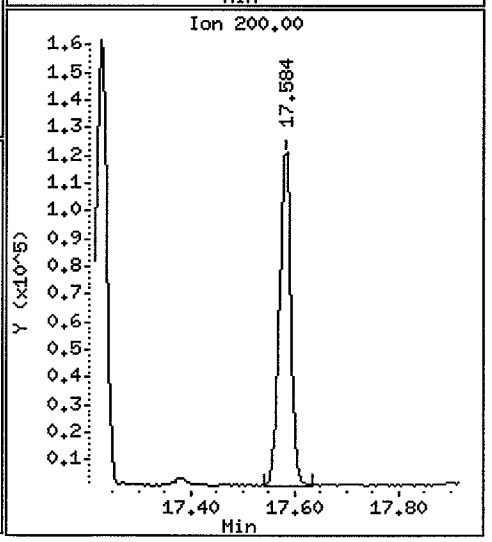












Data File: /chem1/nt6.i/20071018.b/lr71l.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

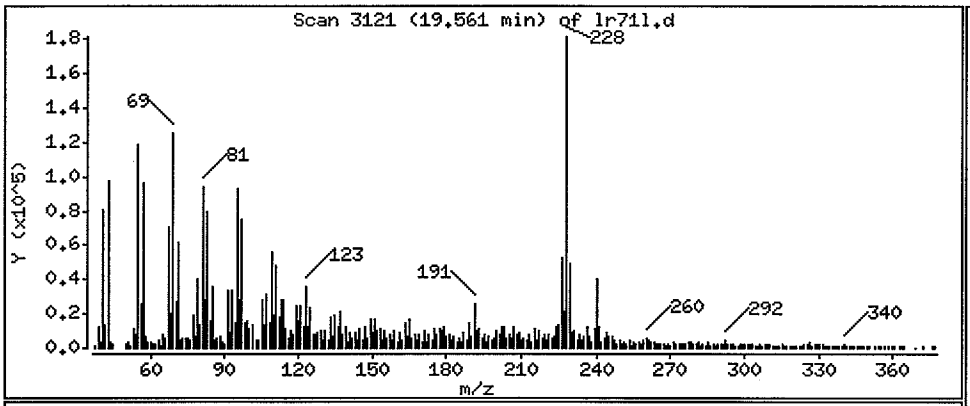
Operator: LJR/VTS

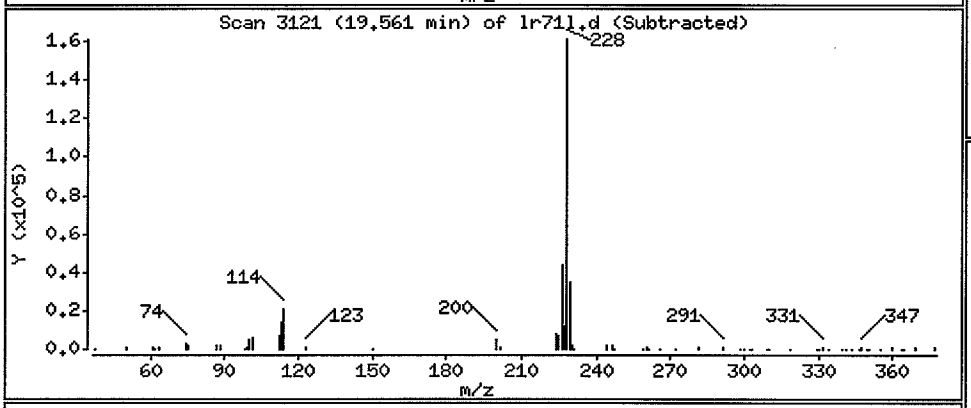
Column phase: ZB-5

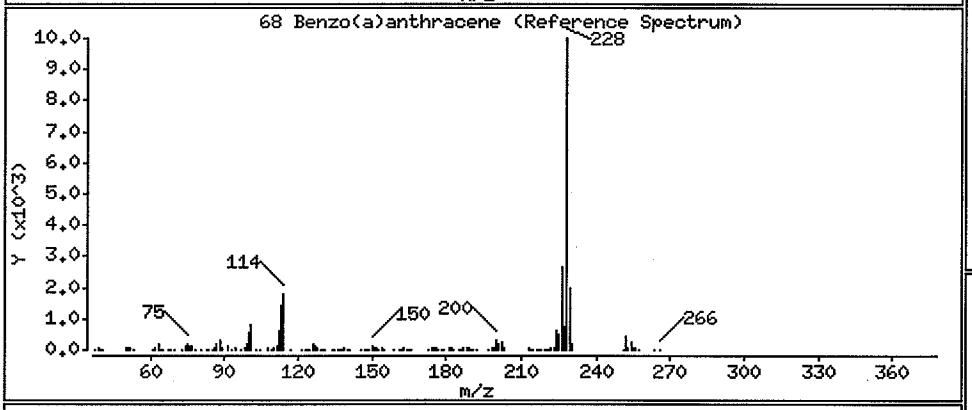
Column diameter: 0.32

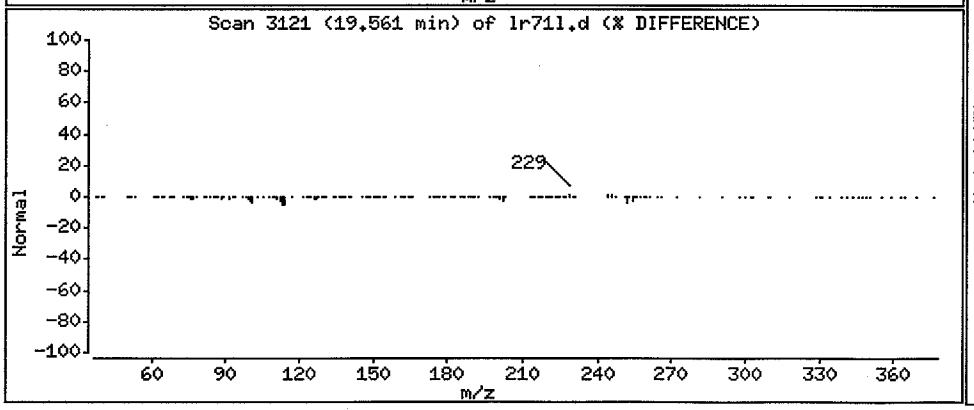
68 Benzo(a)anthracene

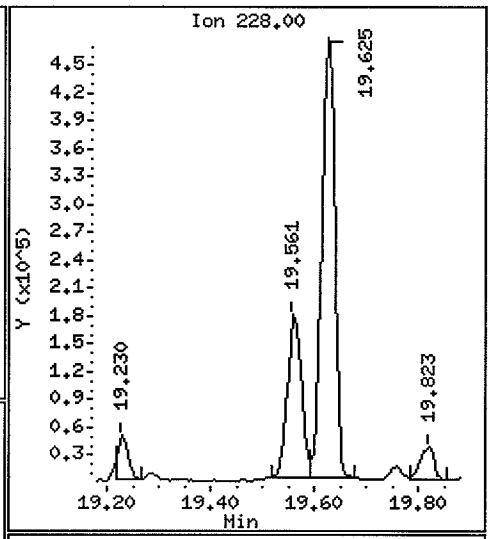
Concentration: 101.2 ug/kg

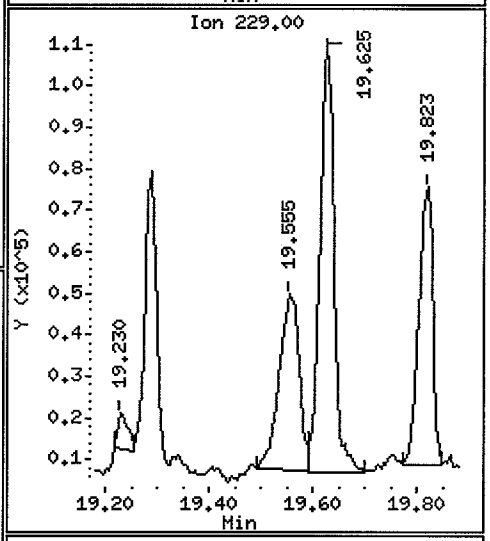


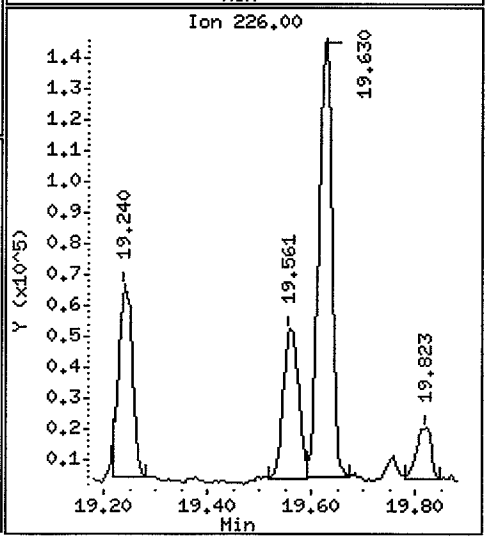












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

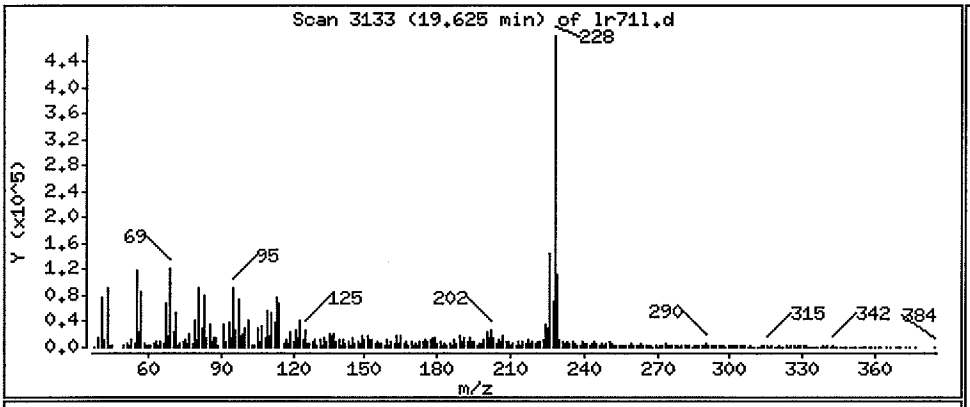
Operator: LJR/VTS

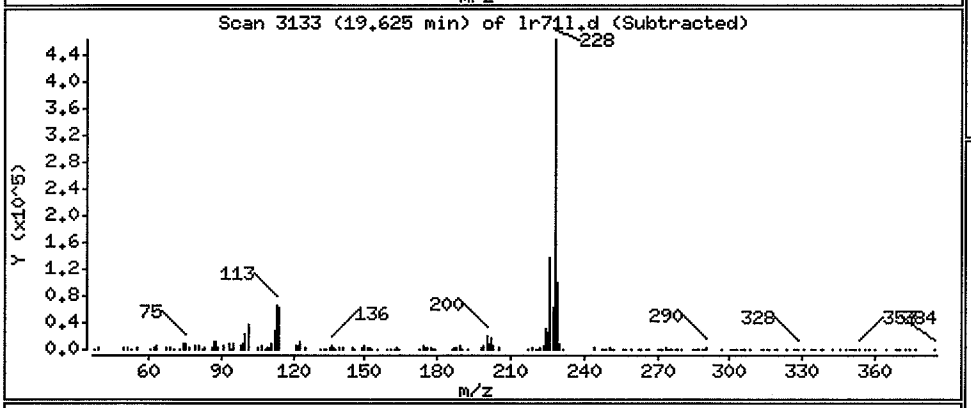
Column phase: ZB-5

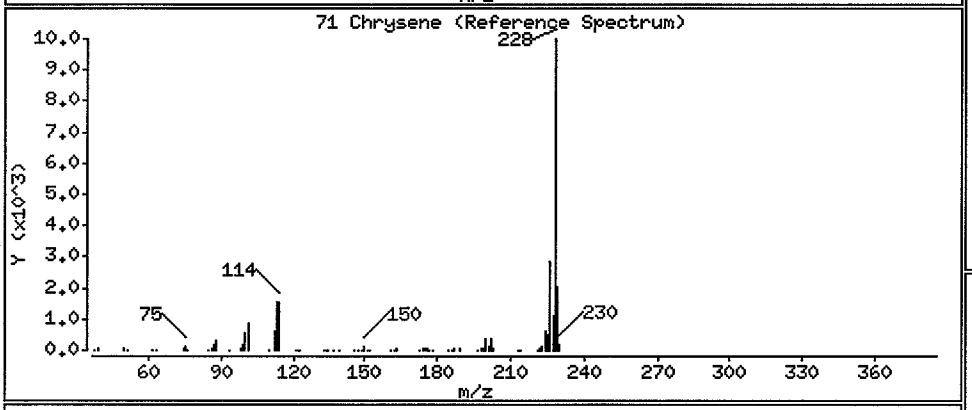
Column diameter: 0.32

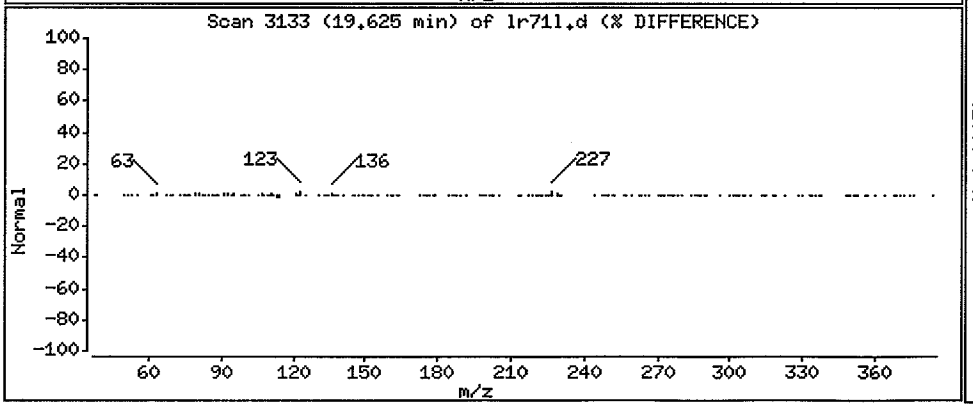
71 Chrysene

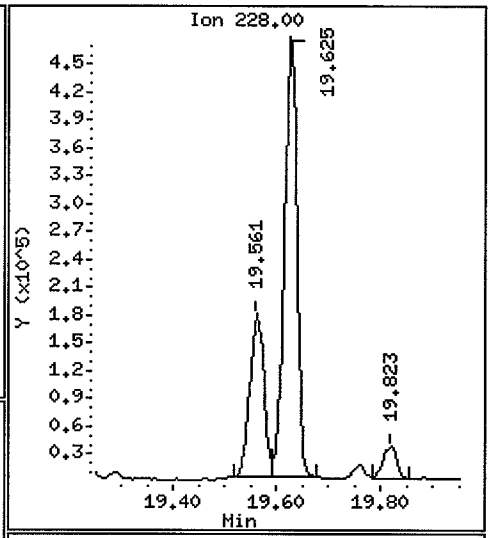
Concentration: 271.0 ug/kg

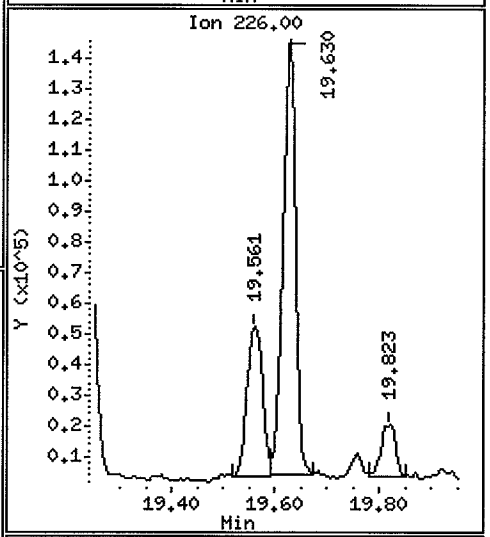


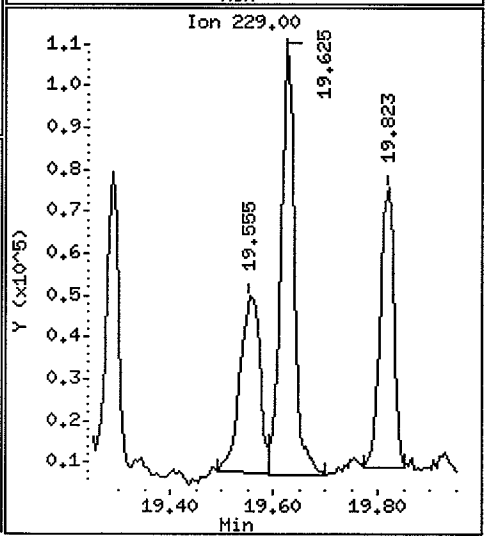












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

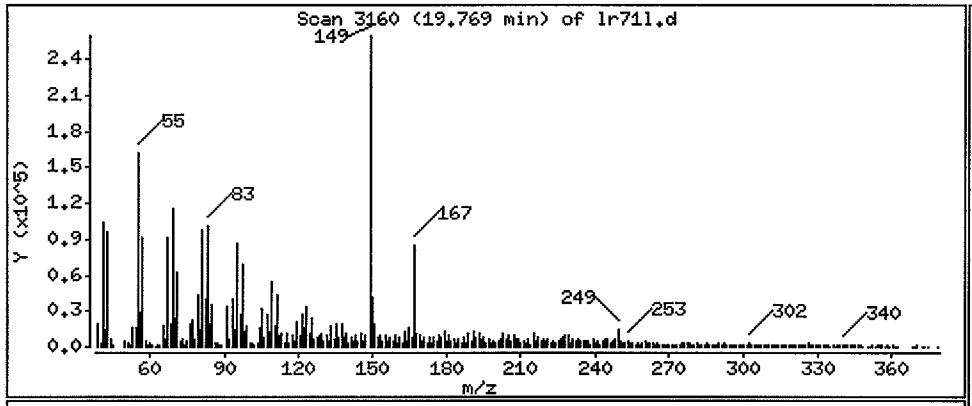
Operator: LJR/VTS

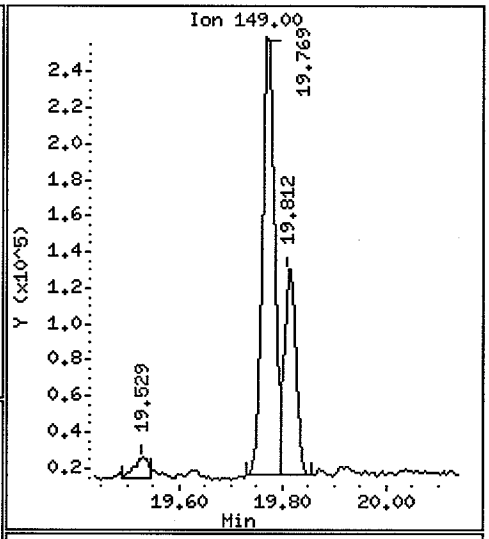
Column phase: ZB-5

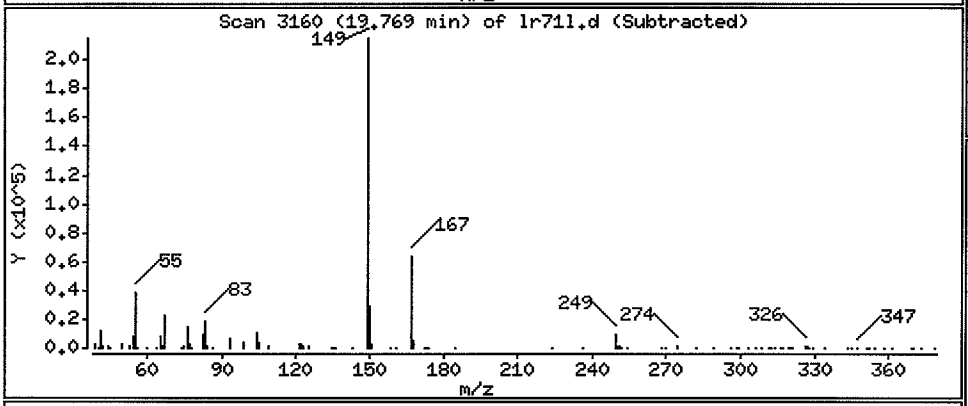
Column diameter: 0.32

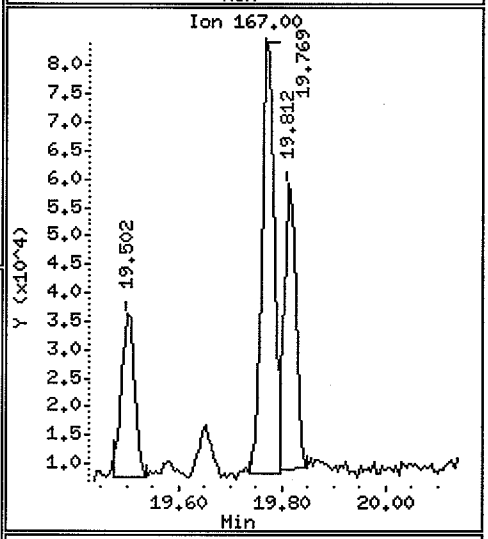
72 bis(2-Ethylhexyl)phthalate

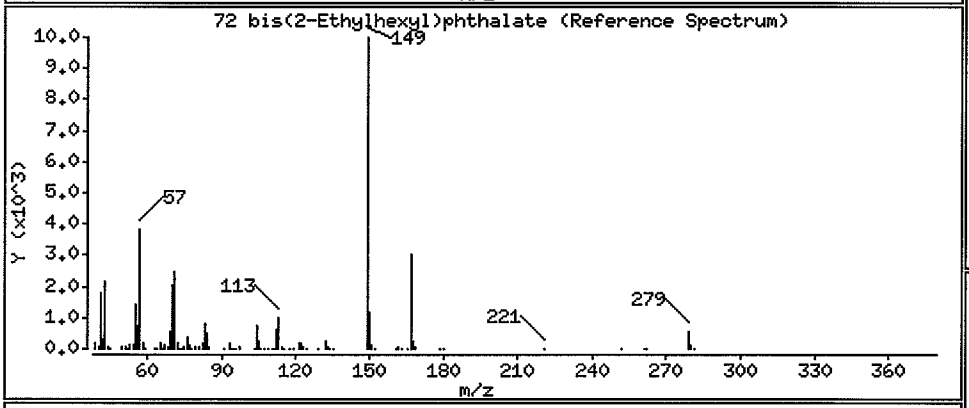
Concentration: 214.7 ug/kg

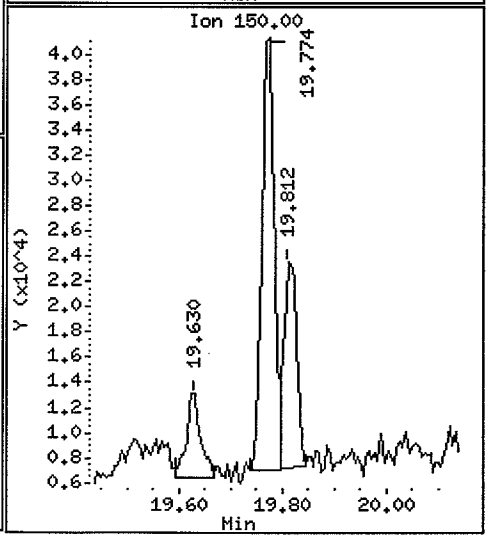


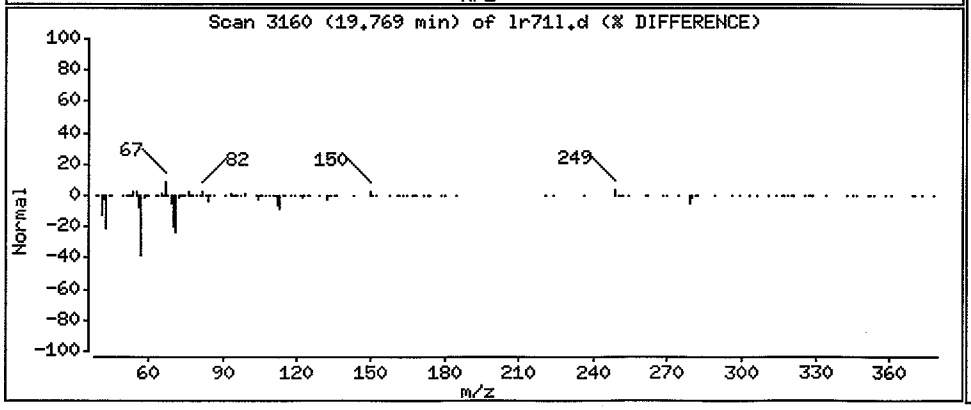












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

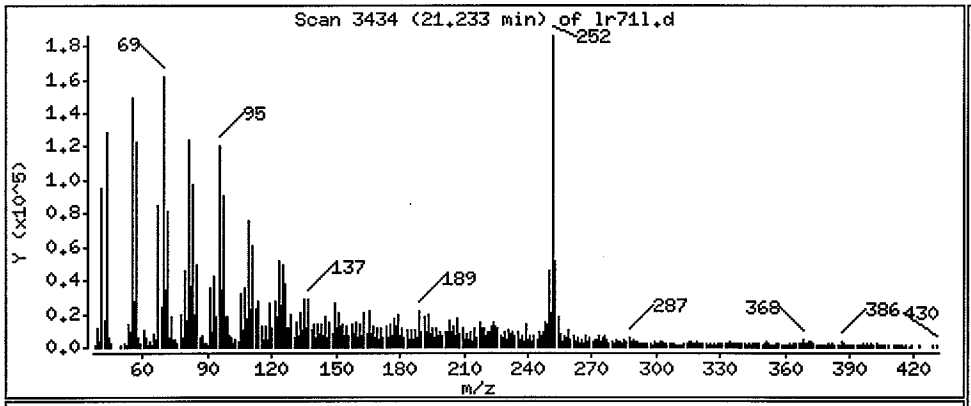
Operator: LJR/VTS

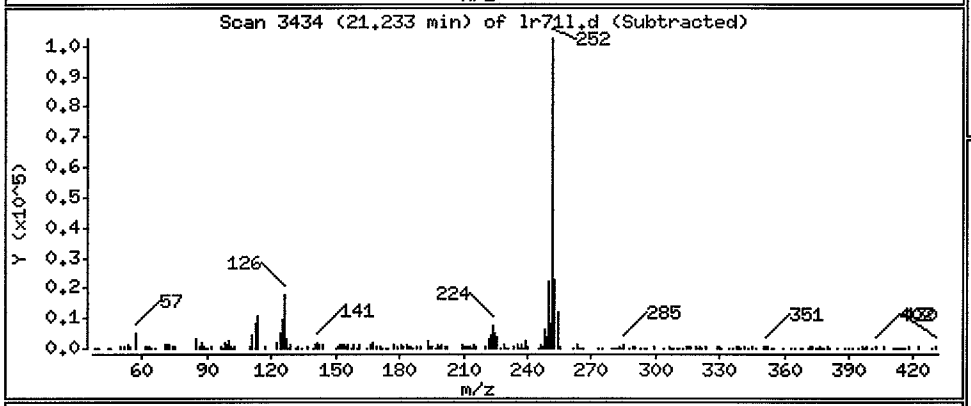
Column phase: ZB-5

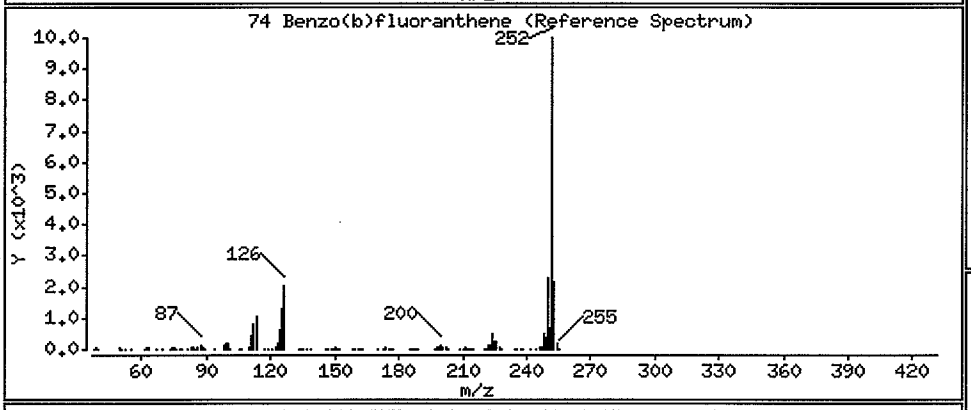
Column diameter: 0.32

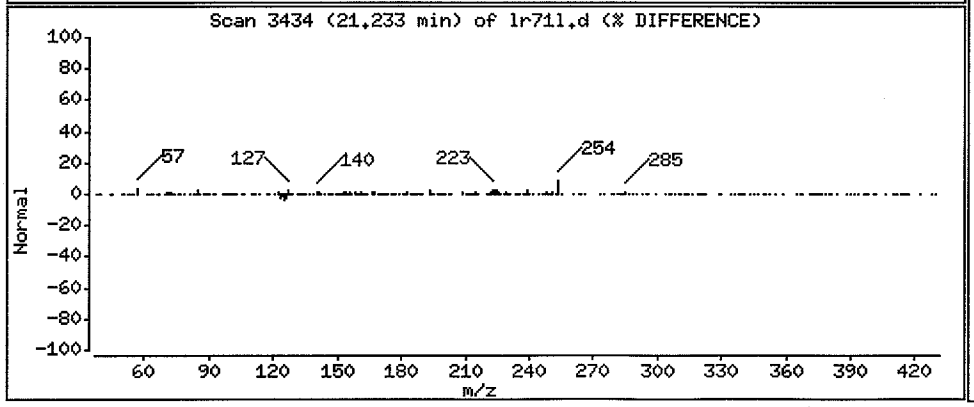
74 Benzo(b)fluoranthene

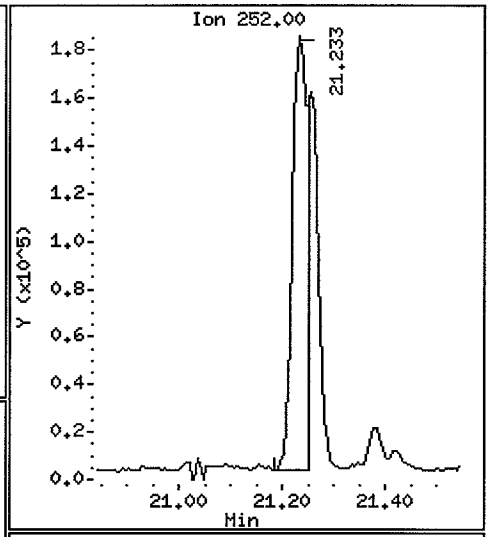
Concentration: 194.3 ug/kg

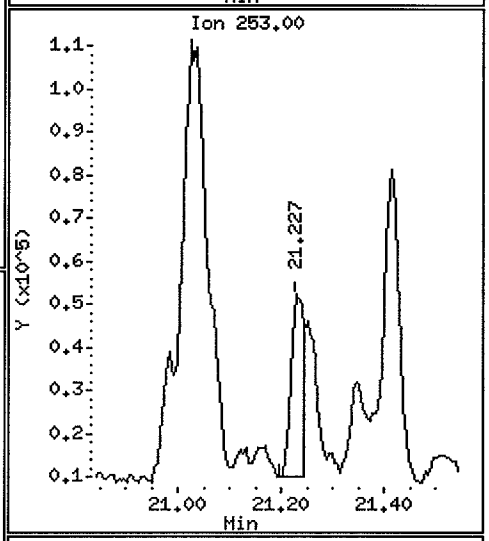


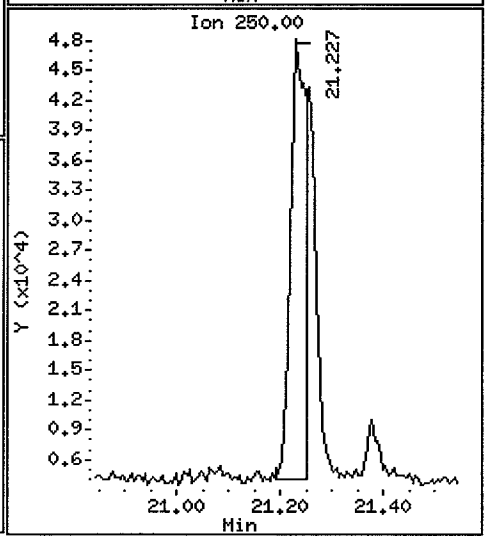












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

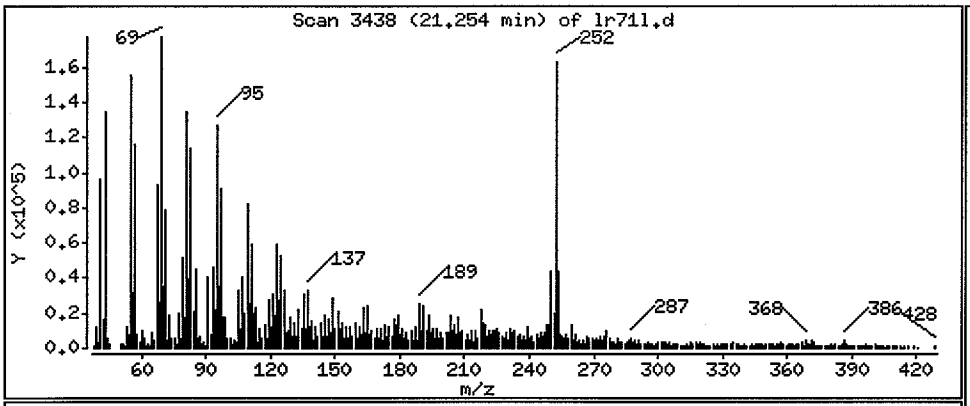
Operator: LJR/VTS

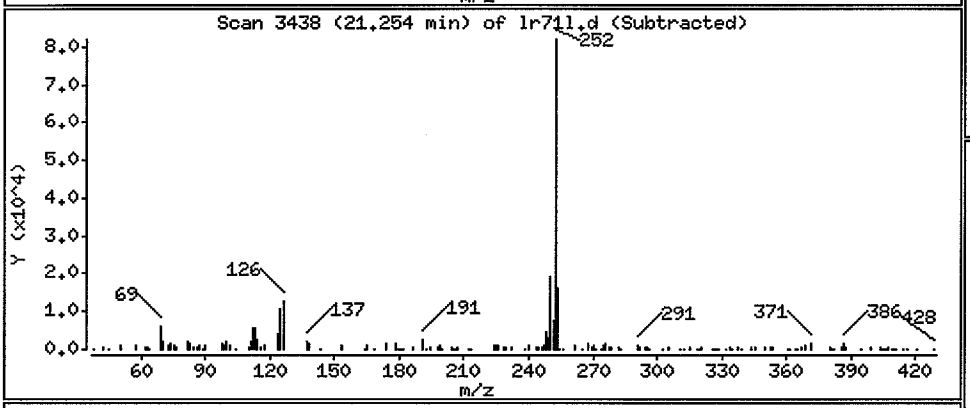
Column phase: ZB-5

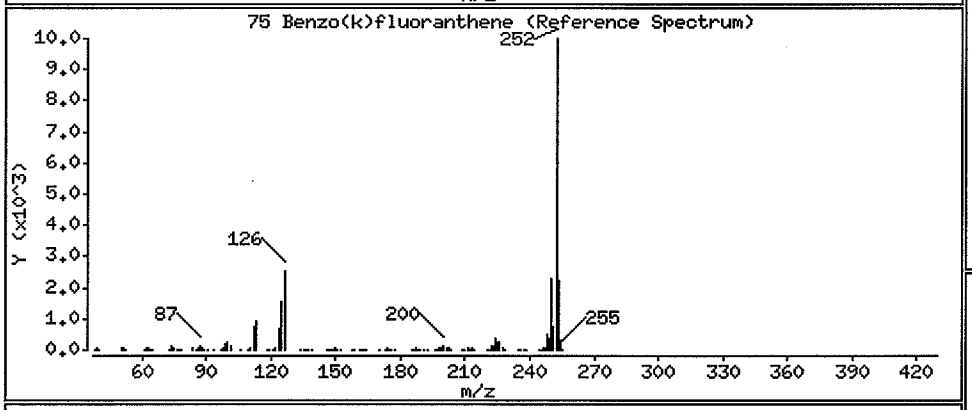
Column diameter: 0.32

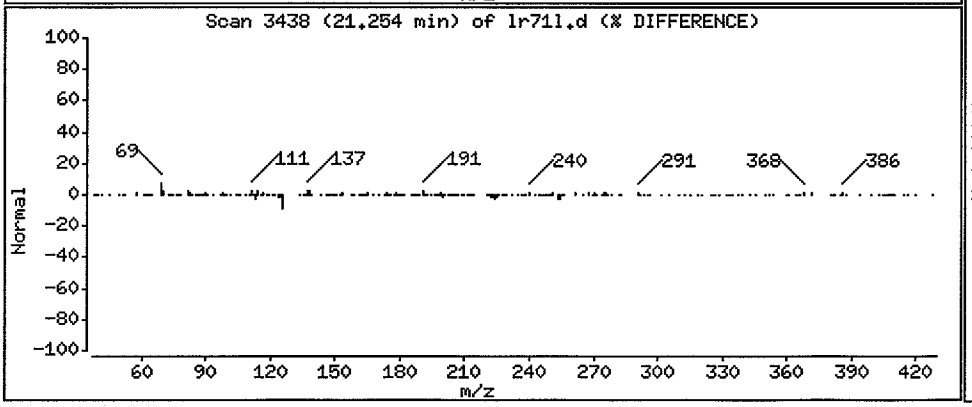
75 Benzo(k)fluoranthene

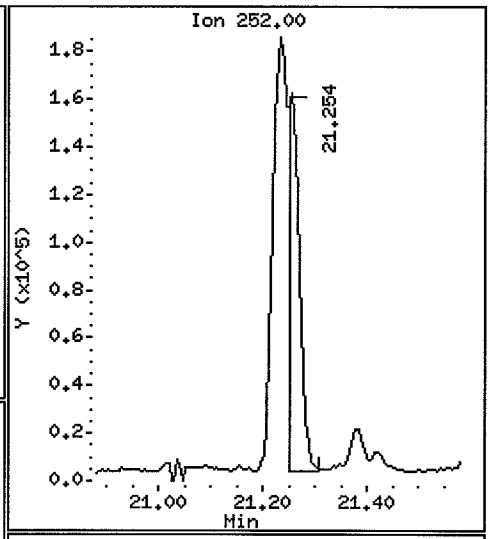
Concentration: 116.9 ug/kg

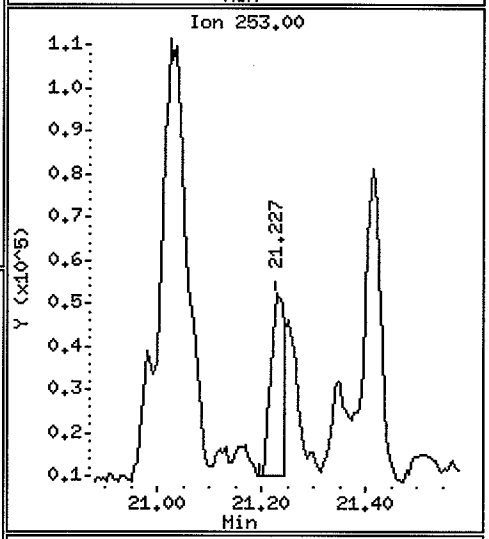


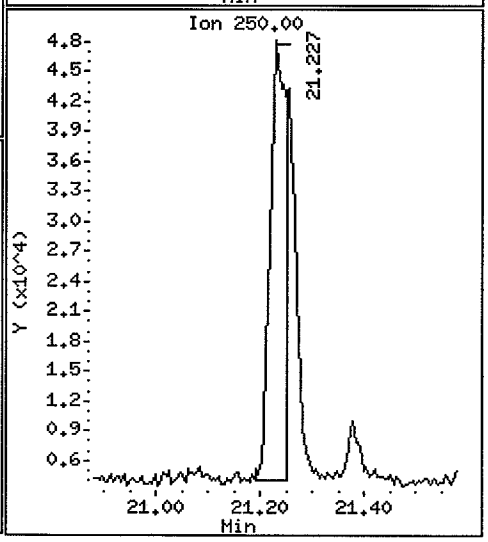












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

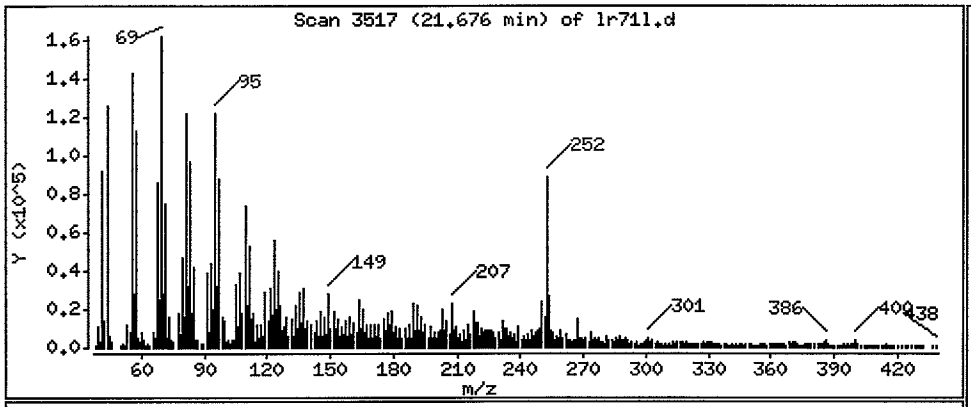
Operator: LJR/VTS

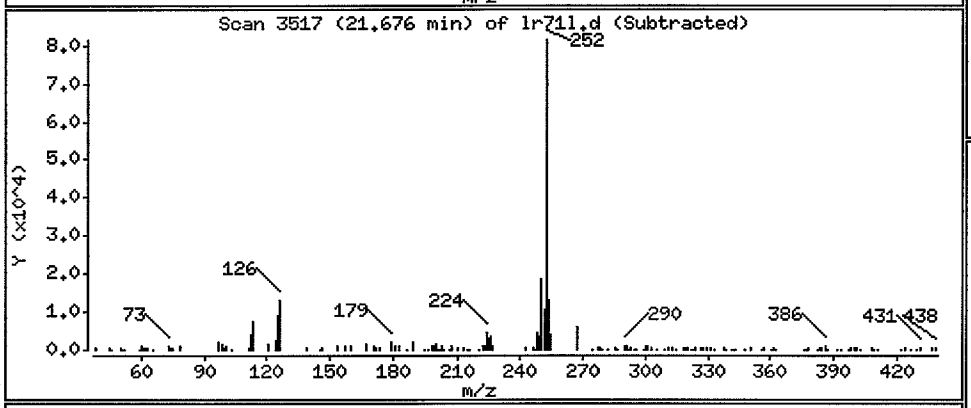
Column phase: ZB-5

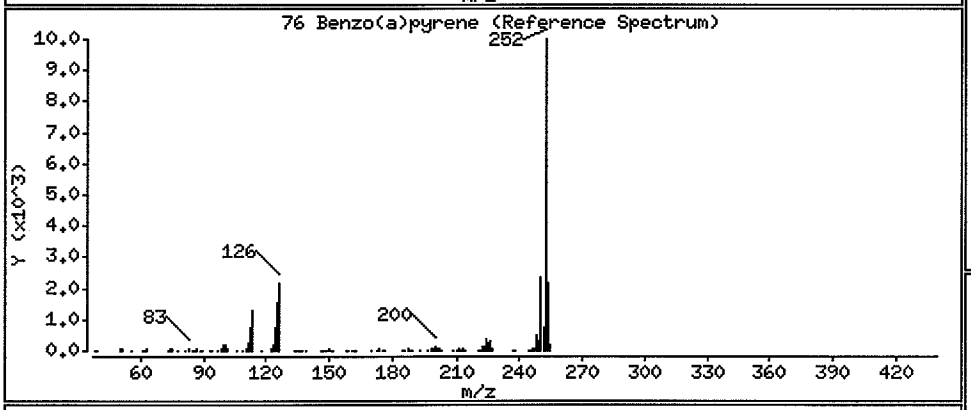
Column diameter: 0.32

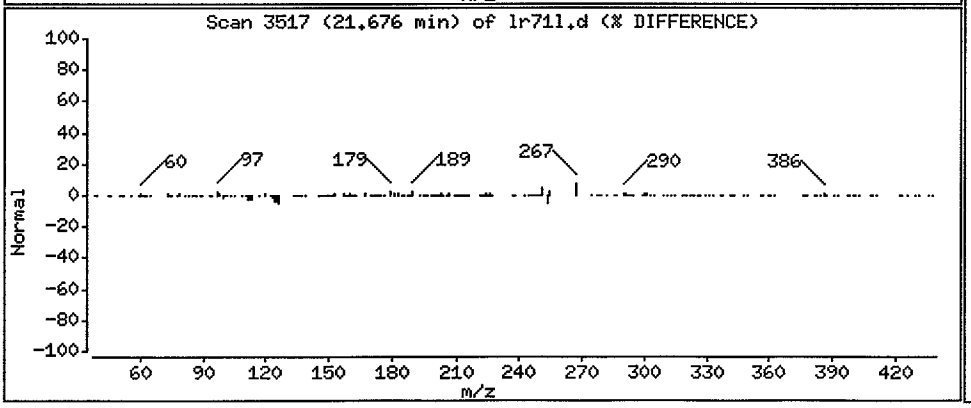
76 Benzo(a)pyrene

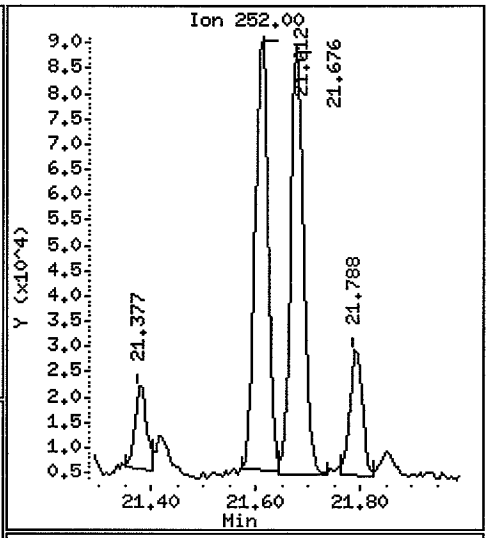
Concentration: 82.59 ug/kg

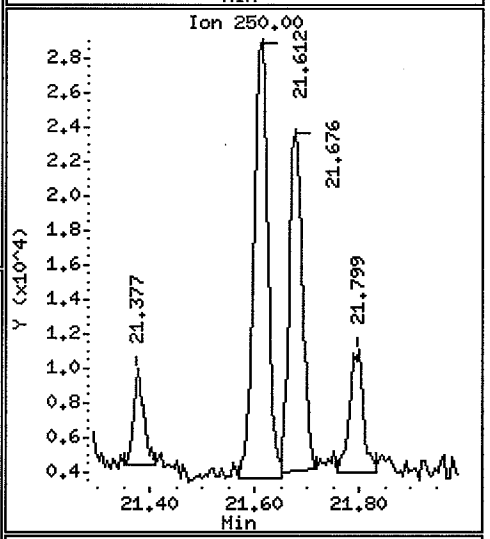


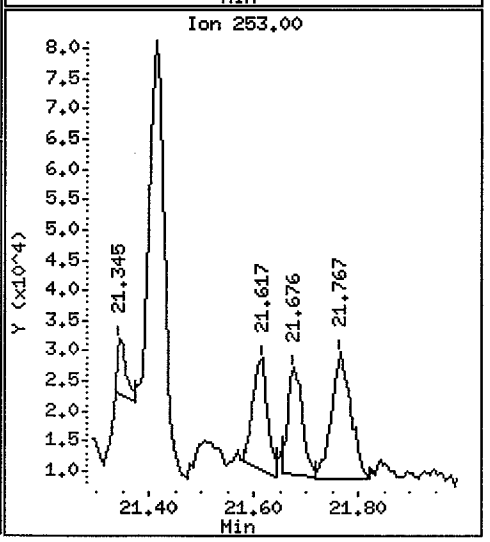












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

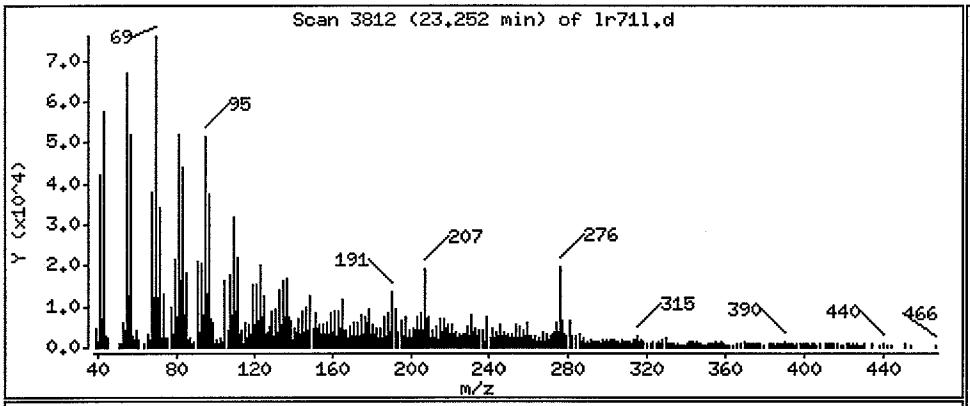
Operator: LJR/VTS

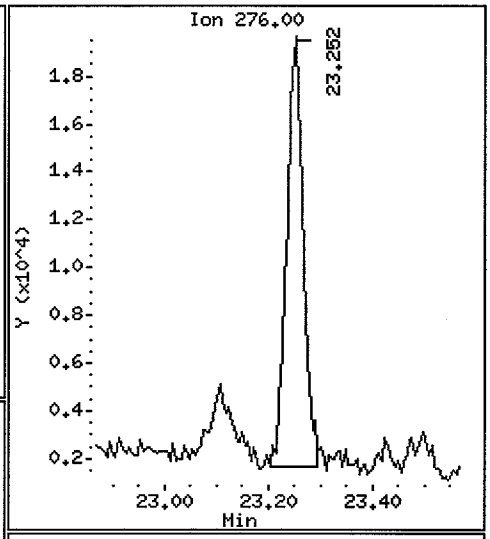
Column phase: ZB-5

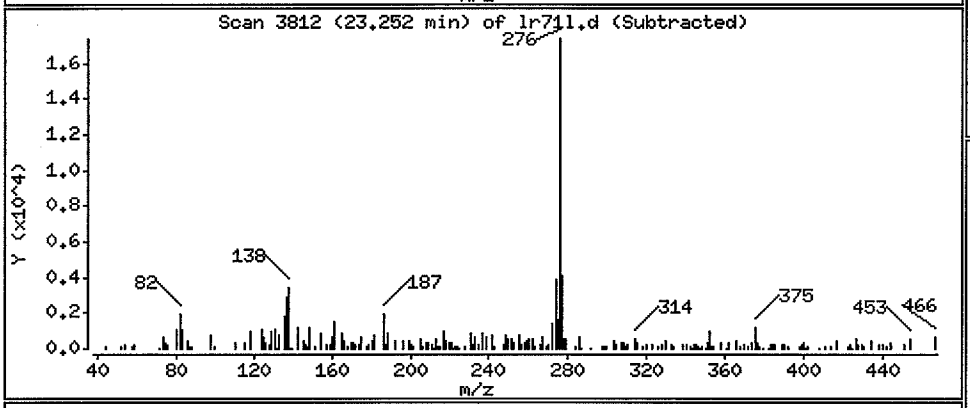
Column diameter: 0.32

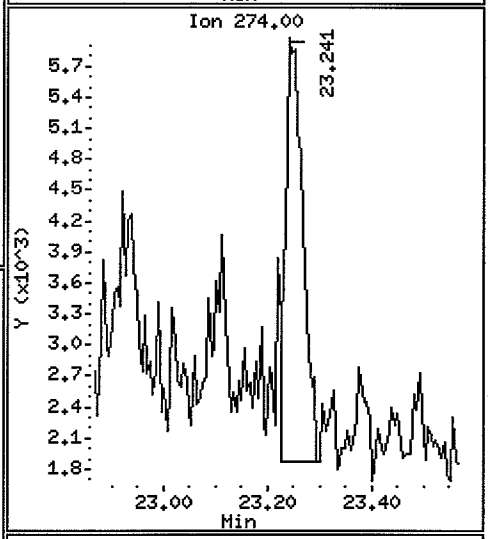
78 Indeno(1,2,3-cd)pyrene

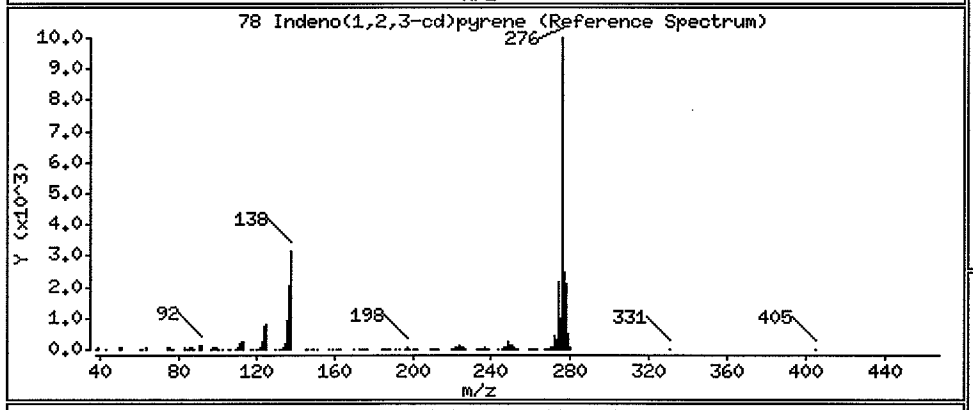
Concentration: 19.07 ug/kg

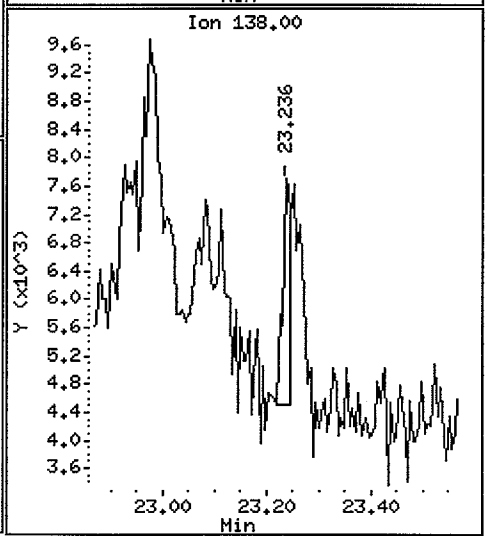


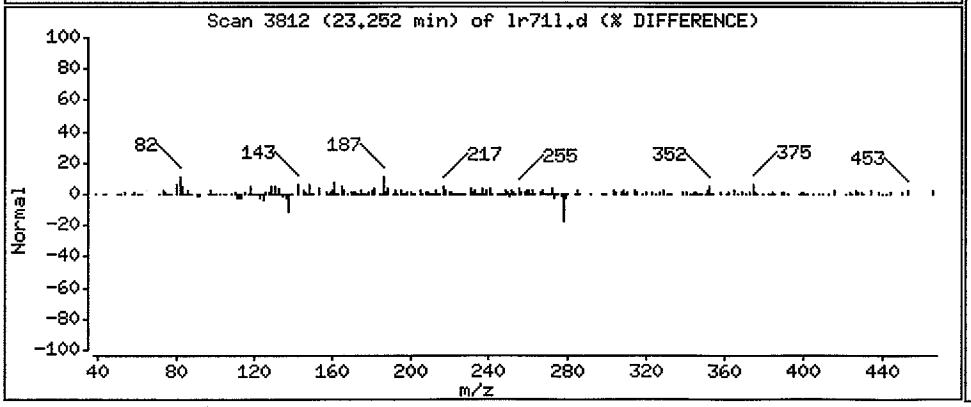












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

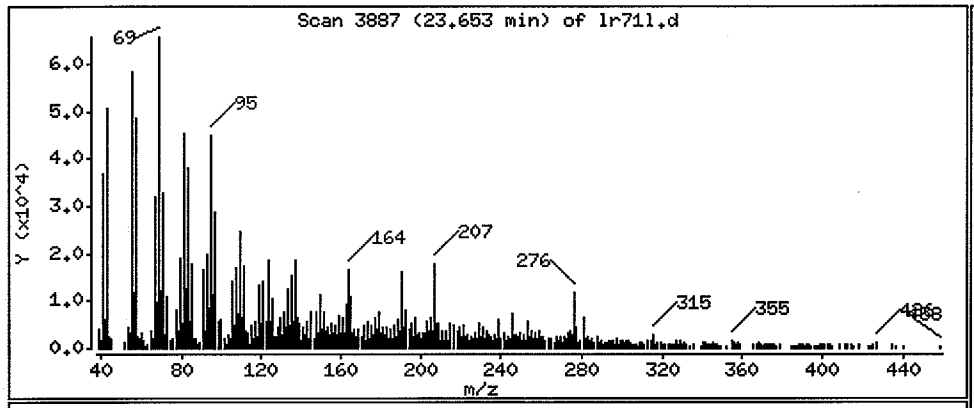
Operator: LJR/VTS

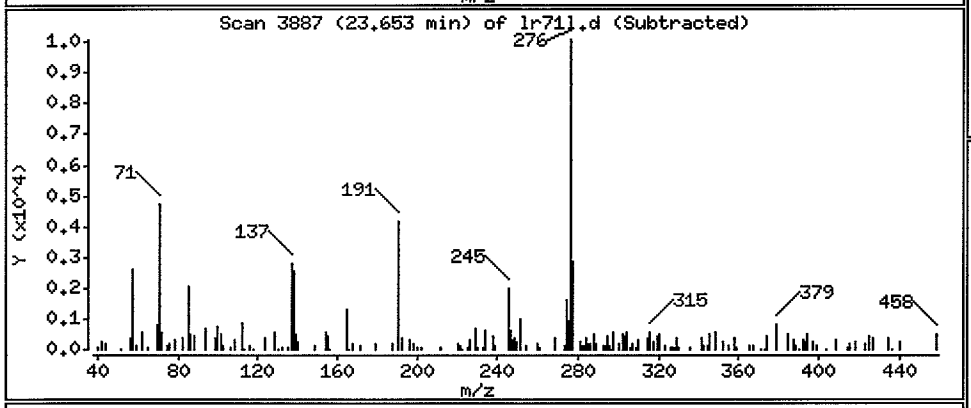
Column phase: ZB-5

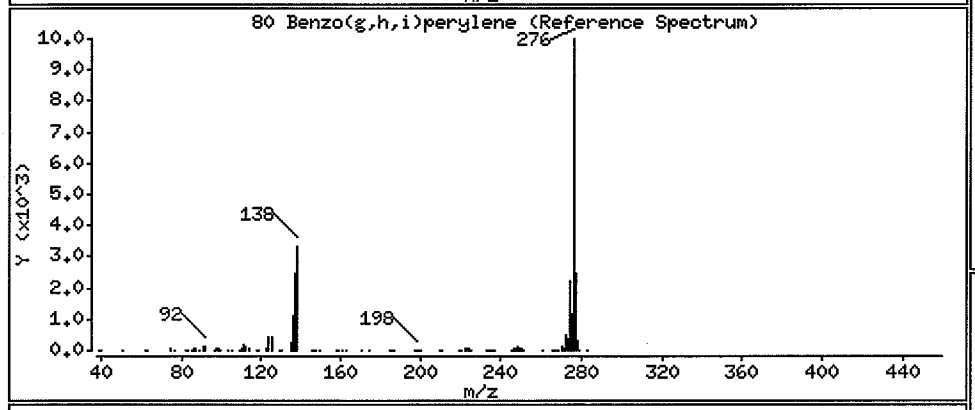
Column diameter: 0.32

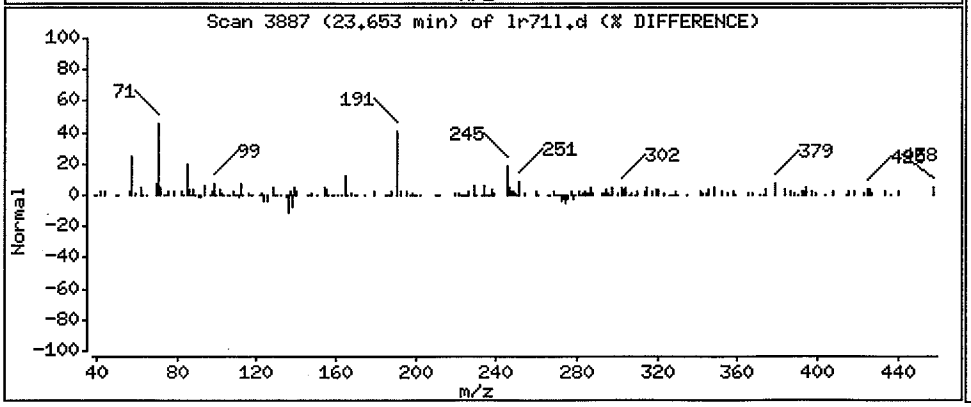
80 Benzo(g,h,i)perylene

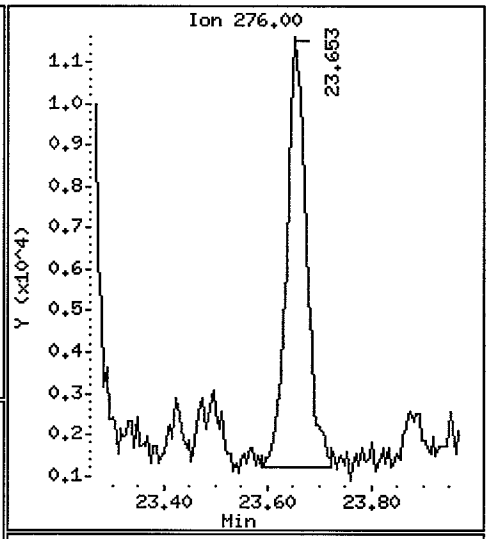
Concentration: 12.92 ug/kg

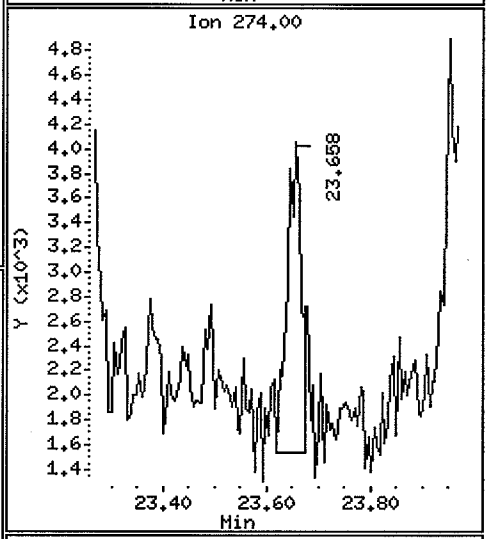


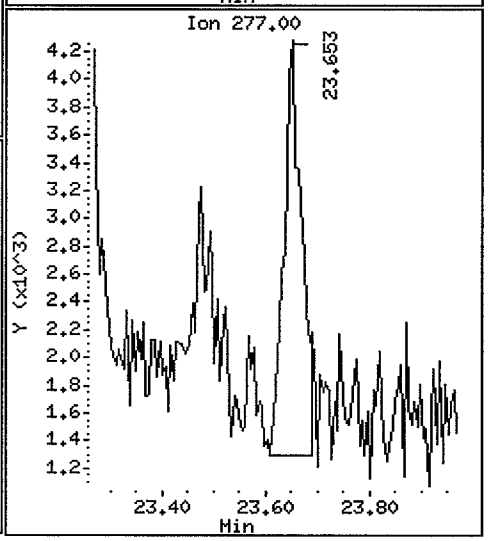












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

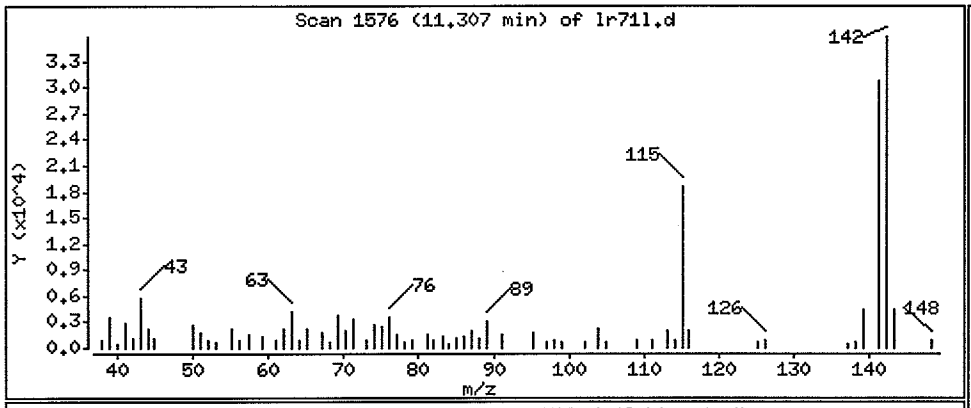
Client ID: AN-SS-09 Instrument: nt6.i

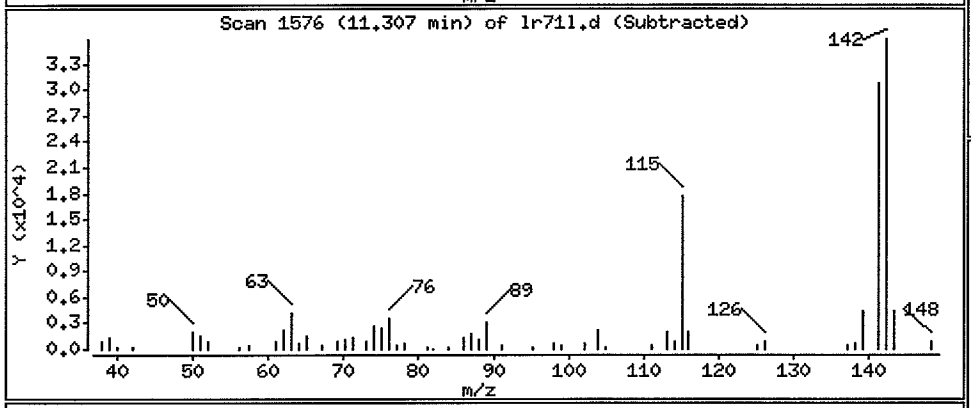
Sample Info: LR71L

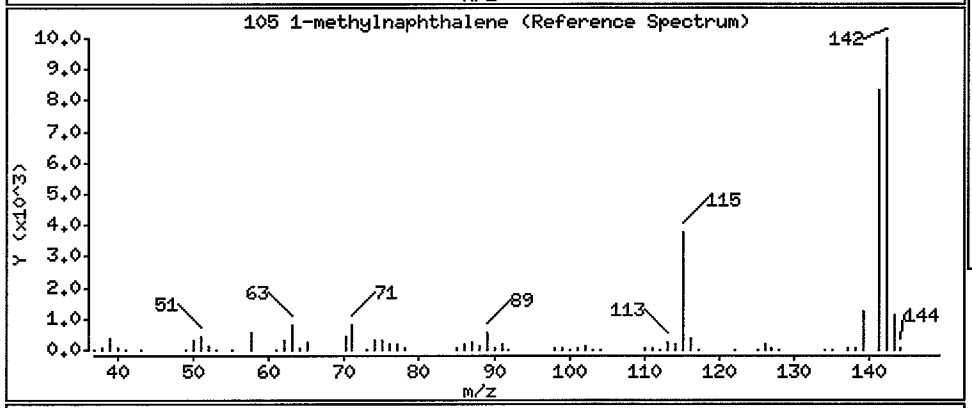
Volume Injected (uL): 1.0 Operator: LJR/VTS

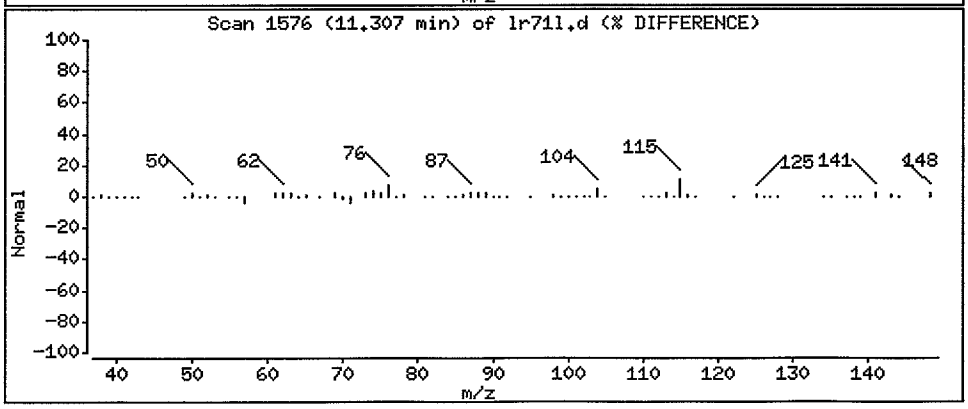
Column phase: ZB-5 Column diameter: 0.32

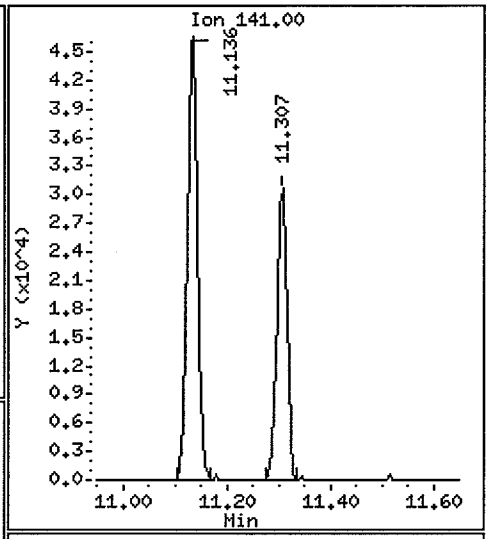
105 1-methylnaphthalene Concentration: 42.53 ug/kg

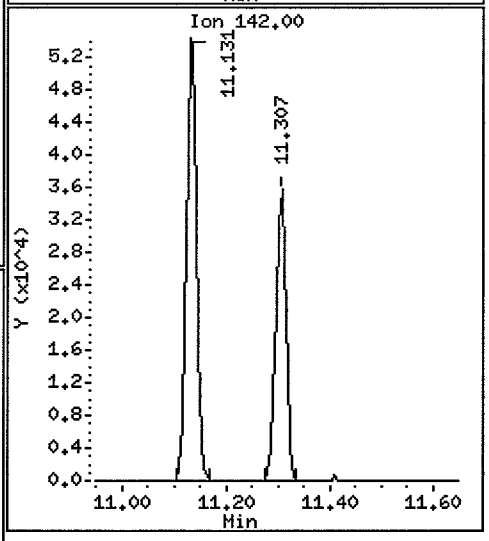












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

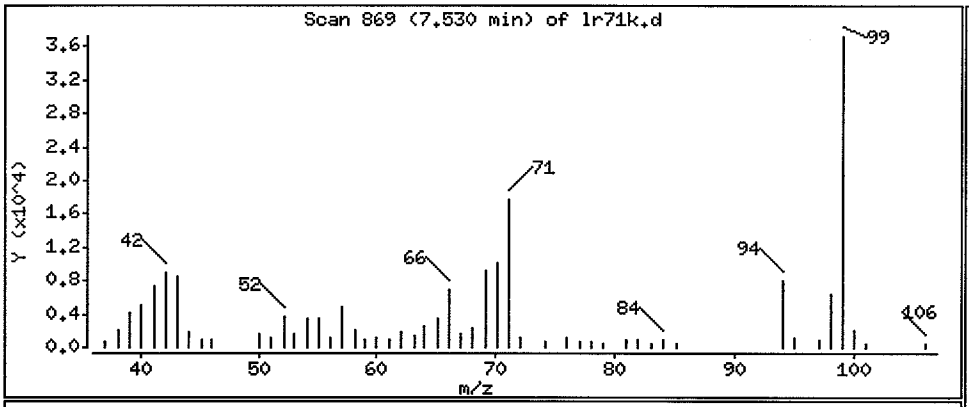
Operator: LJR/VTS

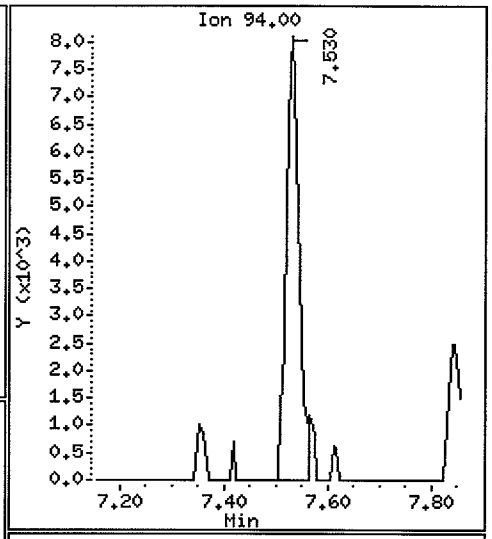
Column phase: ZB-5

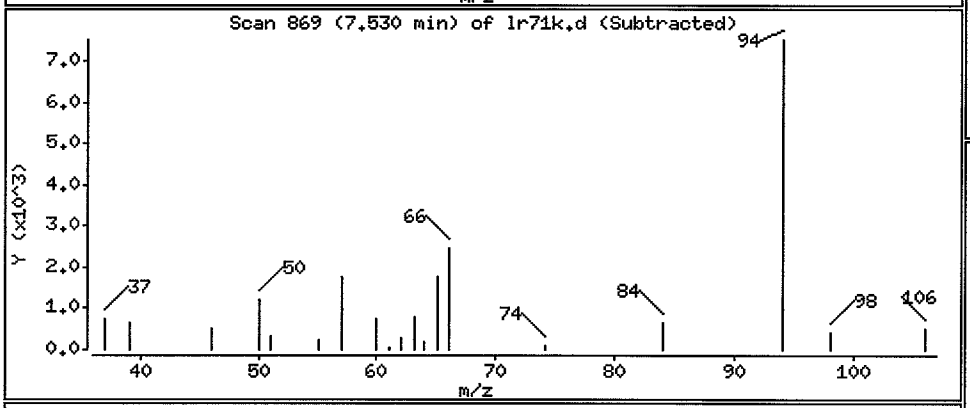
Column diameter: 0.32

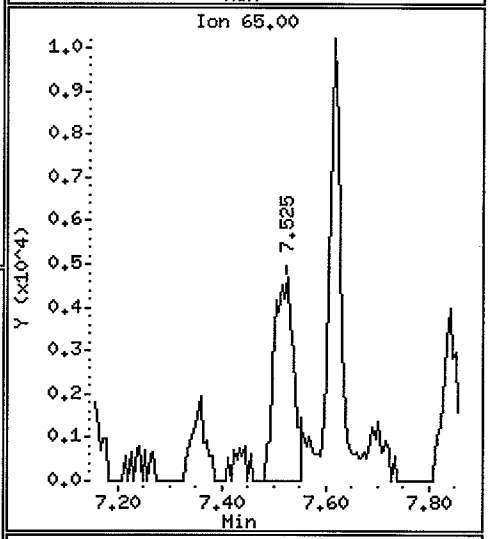
3 Phenol

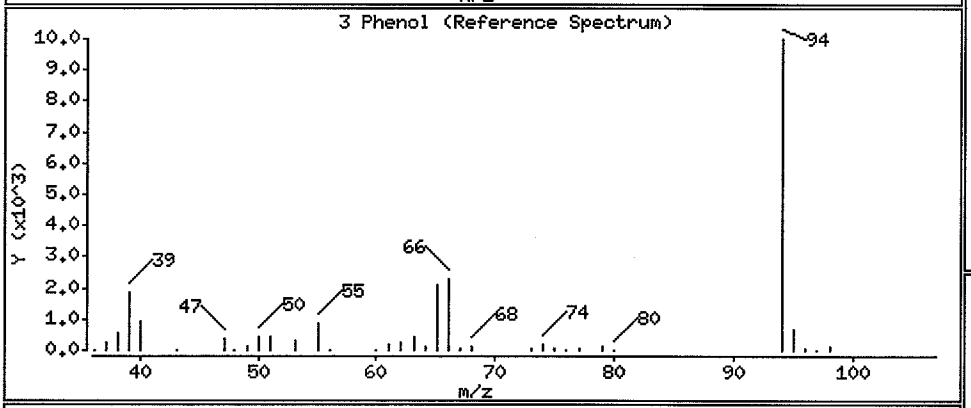
Concentration: 12.29 ug/kg

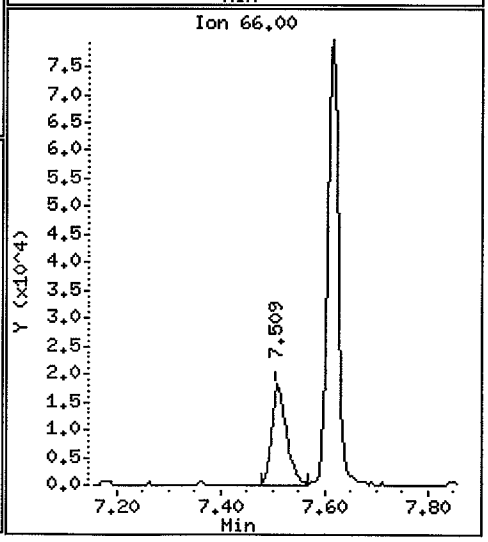


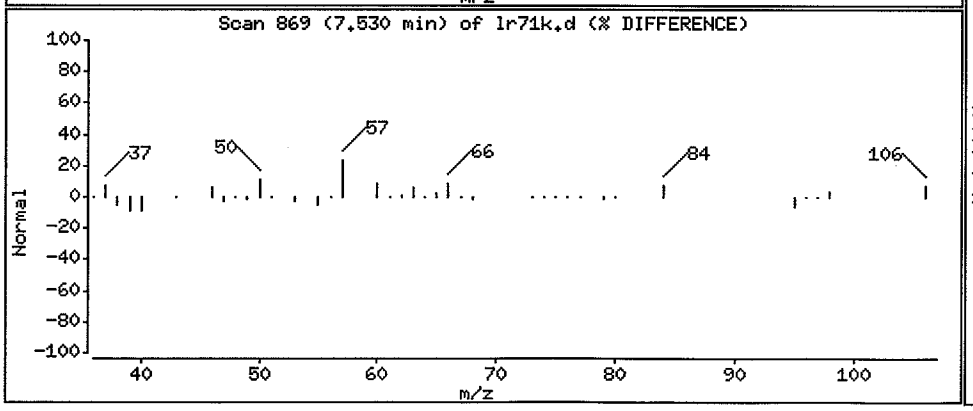












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

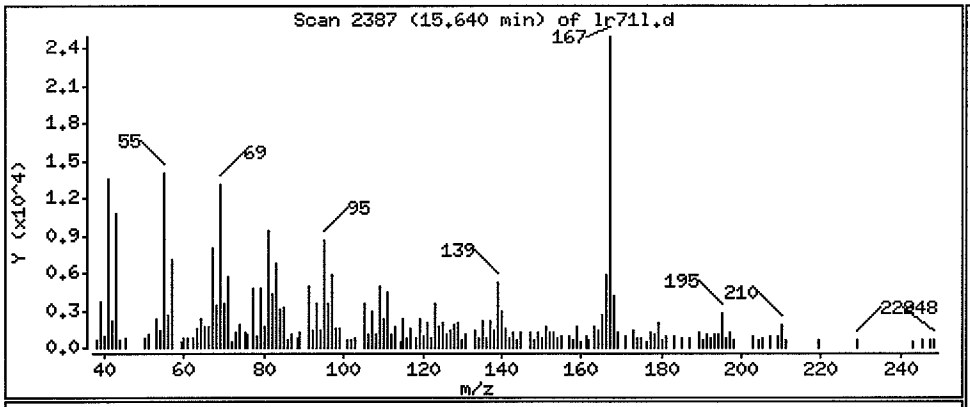
Operator: LJR/VTS

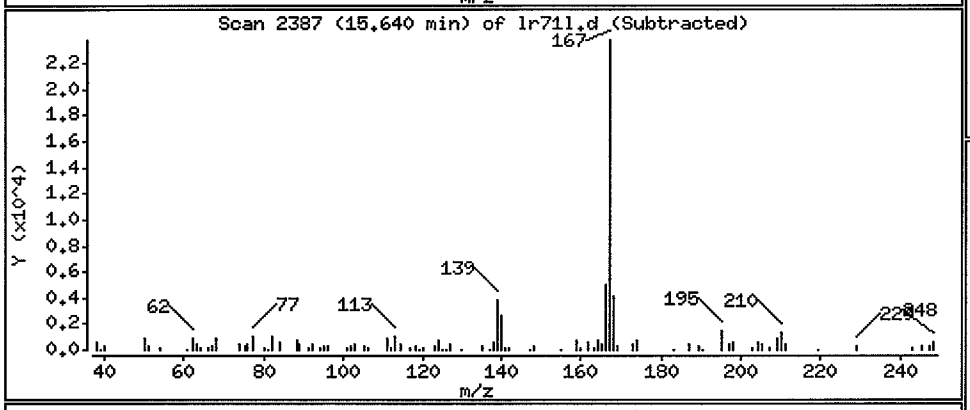
Column phase: ZB-5

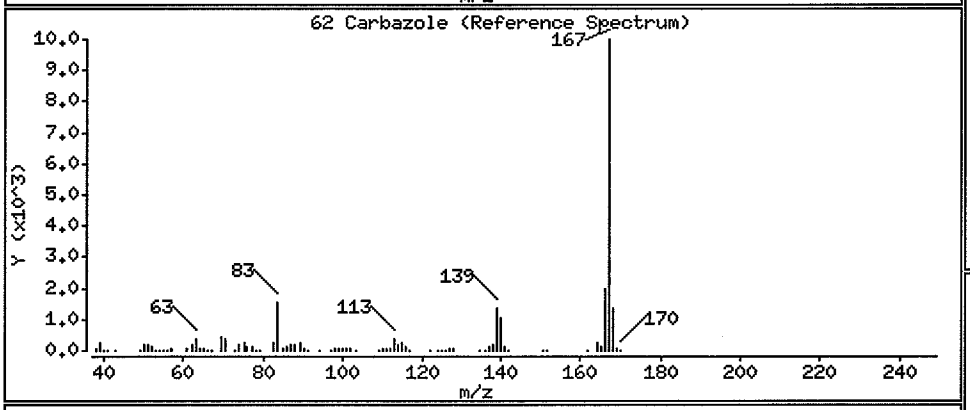
Column diameter: 0.32

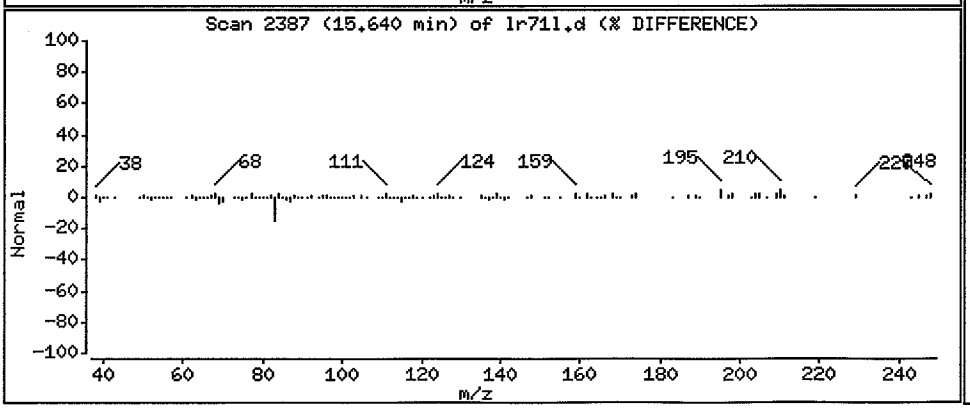
62 Carbazole

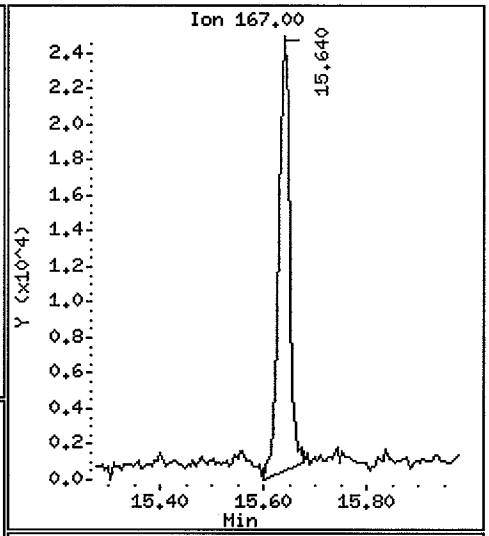
Concentration: 17.62 ug/kg

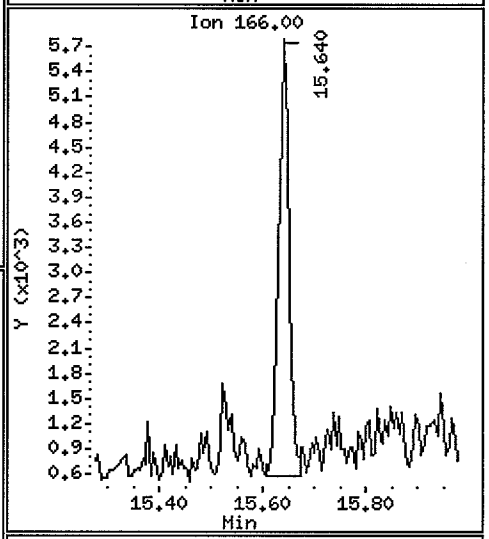


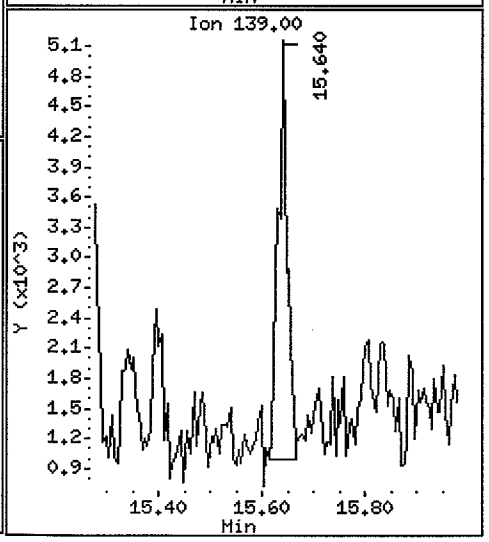












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-08**
Page 1 of 2 **REEXTRACT**

Lab Sample ID: LR71K
LIMS ID: 07-20776
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 22:23
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 41.2%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**45**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	**Benzyl Alcohol**	**20**	**38 M**
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**110**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	**Naphthalene**	**20**	**130**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	**2-Methylnaphthalene**	**20**	**70**
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	**Acenaphthylene**	**20**	**81**
83-32-9	**Acenaphthene**	**20**	**55**
132-64-9	**Dibenzofuran**	**20**	**84**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**130**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	**Phenanthrene**	**20**	**890**
120-12-7	**Anthracene**	**20**	**220**
84-74-2	Di-n-Butylphthalate	49	< 49 Y
206-44-0	**Fluoranthene**	**20**	**1,200**
129-00-0	**Pyrene**	**20**	**1,400**
85-68-7	Butylbenzylphthalate	110	< 110 Y
56-55-3	**Benzo(a)anthracene**	**20**	**530**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**490 B**
218-01-9	**Chrysene**	**20**	**700**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**430**
207-08-9	**Benzo(k)fluoranthene**	**20**	**330**
50-32-8	**Benzo(a)pyrene**	**20**	**450**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**100**
53-70-3	**Dibenz(a,h)anthracene**	**20**	**37**
191-24-2	**Benzo(g,h,i)perylene**	**20**	**62**

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-08**
Page 2 of 2 **REEXTRACT**

Lab Sample ID: LR71K QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20776 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 22:23

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	52

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	60.8%	2-Fluorobiphenyl	63.2%
d14-p-Terphenyl	105%	d4-1,2-Dichlorobenzene	59.2%
d5-Phenol	65.3%	2-Fluorophenol	51.7%
2,4,6-Tribromophenol	71.5%	d4-2-Chlorophenol	63.7%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071101.b/lr71k2.d
Lab Smp Id: LR71KRE
Inj Date : 01-NOV-2007 22:23
Operator : VTS Inst ID: nt4.i
Smp Info : LR71KRE
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt4.i/20071101.b/SW846.m
Meth Date : 02-Nov-2007 11:41 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 11:04 Cal File: 0801001.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJK 11/2/07

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	25.00000	Weight of sample extracted (g)
M	0.00000	% 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	4.832	4.748	(0.708)	242972	19.3769	387.5
$ 2	Phenol-d5	99	6.515	6.489	(0.955)	343335	24.4625	489.3
3	Phenol	94	6.531	6.505	(0.957)	37773	2.26513	45.32(M)
$ 5	2-Chlorophenol-d4	132	6.541	6.521	(0.958)	248867	23.9043	478.1
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	6.824	6.820	(1.000)	148189	20.0000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	7.129	7.114	(1.045)	99420	14.8414	296.8
12	1,2-Dichlorobenzene	146	Compound Not Detected.					
11	Benzyl alcohol	108	7.102	7.162	(1.041)	14765	1.94119	38.82(MH)
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	7.706	7.686	(1.129)	61171	5.45775	109.2(M)
$	18 Nitrobenzene-d5	82	7.775	7.771	(0.877)	226520	15.2455	304.9
	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	8.753	8.813	(0.987)	67761	7.14319 LOL	142.9(MH)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.871	8.872	(1.000)	563265	20.0000	
	28 Naphthalene	128	8.903	8.899	(1.004)	234088	6.76941	135.4(H)
	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	10.019	10.015	(1.129)	62264	3.53459	70.69
	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	10.676	10.677	(0.914)	363462	15.7874	315.7
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	11.435	11.436	(0.978)	20041	0.84510 LOL	16.90(M)
	40 Acenaphthylene	152	11.435	11.431	(0.978)	133724	4.10091	82.02
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.686	11.682	(1.000)	333421	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.734	11.730	(1.004)	59973	2.77056	55.41
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	11.996	11.992	(1.026)	119663	4.24445	84.89
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	12.578	12.585	(1.076)	13025	0.55983 LOL	11.20
	49 Fluorene	166	12.541	12.537	(1.073)	155910	6.48079	129.6
	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	12.968	12.953	(1.110)	77003	26.8282	536.6
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.010	14.000	(1.000)	523860	20.0000	
	60 Phenanthrene	178	14.047	14.032	(1.003)	1643080	45.3827	907.7
	61 Anthracene	178	14.111	14.102	(1.007)	410274	11.2065	224.1
	62 Carbazole	167	14.432	14.412	(1.030)	128041	4.08756	81.75

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
	63 Di-n-butylphthalate	149	15.228	15.197	(1.087)	94431	2.50791	50.16(M)
	64 Fluoranthene	202	15.981	15.923	(1.141)	2309581	58.9213	1178
	65 Pyrene	202	16.307	16.260	(1.000)	2042313	70.3709	1407
$	66 Terphenyl-d14	244	16.670	16.634	(1.000)	439136	26.2104	524.2(R)
	67 Butylbenzylphthalate	149	17.626	17.558	(0.000)	70454	5.79040	115.8(M)
	68 Benzo(a)anthracene	228	18.267	18.199	(1.000)	721931	26.8230	536.5
*	69 Chrysene-d12	240	18.289	18.221	(1.000)	362137	20.0000	(M)
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	18.321	18.258	(1.000)	937486	35.4105	708.2(H)
	72 bis(2-Ethylhexyl)phthalate	149	18.673	18.578	(0.955)	581943	25.0159	500.3(M)
*	134 Di-n-octylphthalate-d4	153	19.560	19.503	(1.000)	738341	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	19.923	19.818	(0.976)	617730	21.8106	436.2(M)
	75 Benzo(k)fluoranthene	252	19.923	19.850	(0.976)	506458	16.9274	338.5(M)
	76 Benzo(a)pyrene	252	20.324	20.245	(0.996)	578417	22.932[illegible]	458.6(M)
*	77 Perylene-d12	264	20.410	20.325	(1.000)	415986	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	21.740	21.661	(1.065)	146538	5.28556	105.7(M)
	79 Dibenzo(a,h)anthracene	278	21.772	21.693	(1.067)	42844	1.88160	37.63(M)
	80 Benzo(g,h,i)perylene	276	22.039	21.944	(1.080)	78979	3.16268	63.25(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	10.179	10.181	(1.148)	47128	2.64181	52.84
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: lr71k2.d
Lab Smp Id: LR71KRE
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

Calibration Date: 01-NOV-2007
Calibration Time: 14:35

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	145384	72692	290768	148189	1.93
27 Naphthalene-d8	530525	265262	1061050	563265	6.17
42 Acenaphthene-d10	280701	140350	561402	333421	18.78
59 Phenanthrene-d10	391934	195967	783868	523860	33.66
69 Chrysene-d12	354658	177329	709316	362137	2.11
134 Di-n-octylphthala	506314	253157	1012628	738341	45.83
77 Perylene-d12	400782	200391	801564	415986	3.79

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.82	6.32	7.32	6.82	0.06
27 Naphthalene-d8	8.87	8.37	9.37	8.87	-0.01
42 Acenaphthene-d10	11.68	11.18	12.18	11.69	0.03
59 Phenanthrene-d10	14.00	13.50	14.50	14.01	0.07
69 Chrysene-d12	18.22	17.72	18.72	18.29	0.37
134 Di-n-octylphthala	19.50	19.00	20.00	19.56	0.29
77 Perylene-d12	20.33	19.83	20.83	20.41	0.41

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.

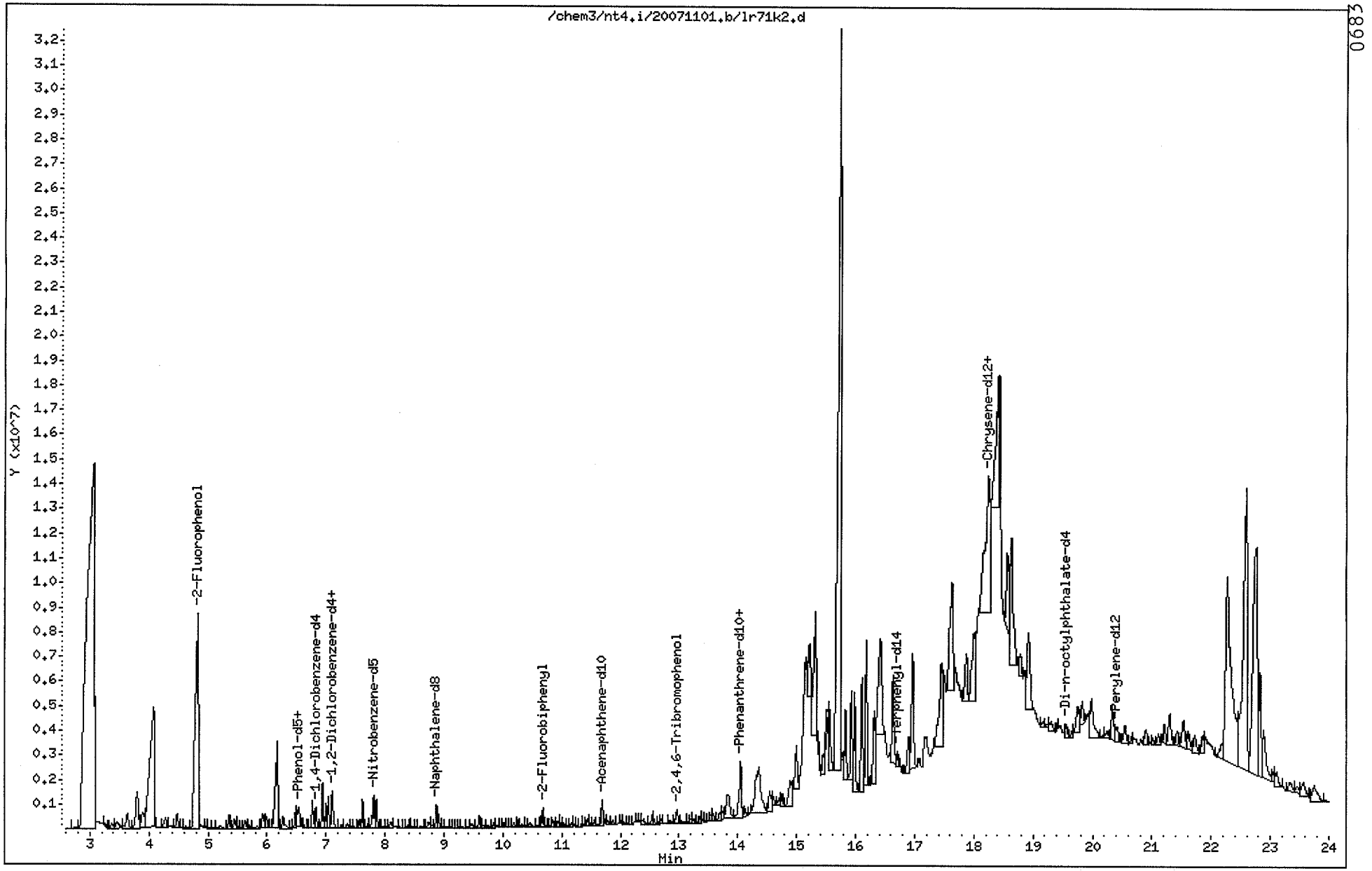
RECOVERY REPORT

Client Name:
Client SDG: 20071101
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: LR71KRE
Level: LOW
Operator: VTS
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: PSDDALCS.spk
Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	387.5	51.67	11-84
$ 2 Phenol-d5	750.0	489.3	65.23	25-86
$ 5 2-Chlorophenol-d4	750.0	478.1	63.74	23-91
$ 10 1,2-Dichlorobenzen	500.0	296.8	59.37	24-90
$ 18 Nitrobenzene-d5	500.0	304.9	60.98	26-88
$ 36 2-Fluorobiphenyl	500.0	315.7	63.15	34-91
$ 55 2,4,6-Tribromophen	750.0	536.6	71.54	35-107
$ 66 Terphenyl-d14	500.0	524.2	104.84*	22-100

Data File: /chem3/nt4.i/20071101.b/lr71k2.d
Date : 01-NOV-2007 22:23
Client ID:
Sample Info: LR71KRE
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt4.i
Operator: VTS
Column diameter: 0.32



Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

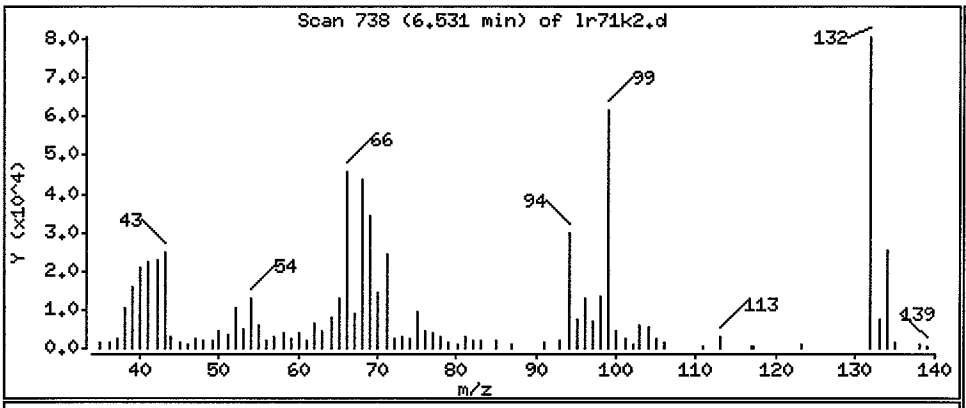
Operator: VTS

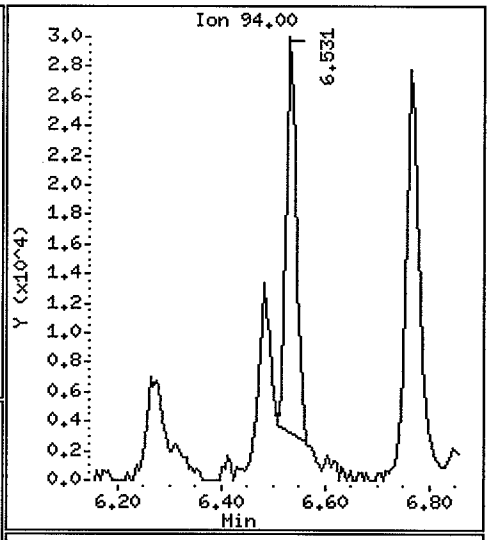
Column phase: ZB-5

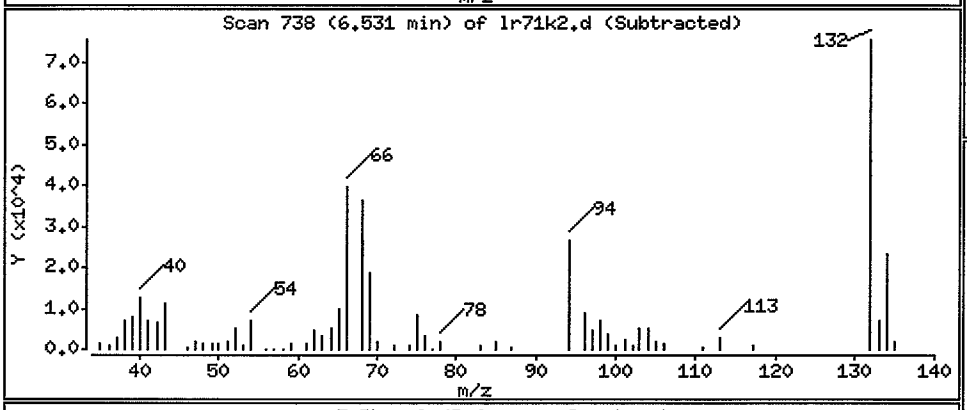
Column diameter: 0.32

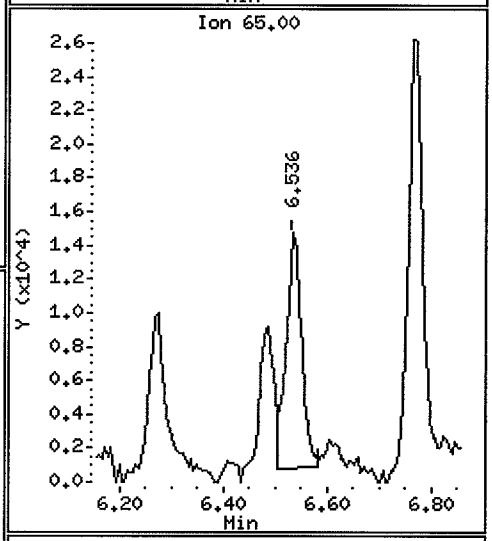
3 Phenol

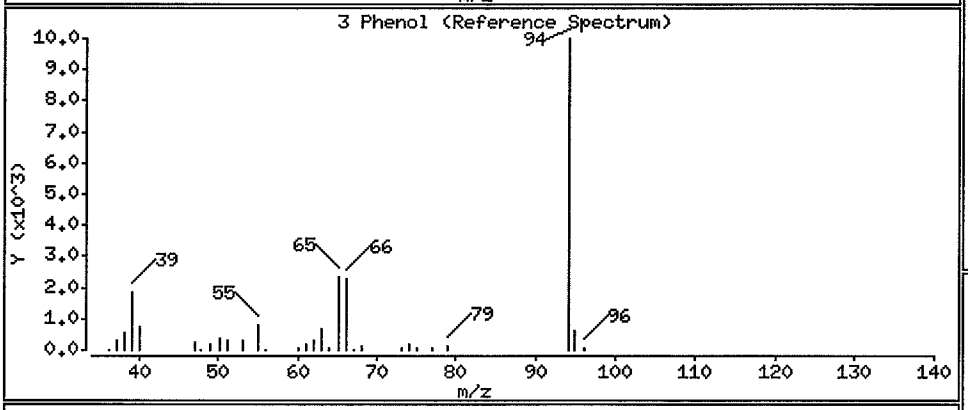
Concentration: 45.32 ug/Kg

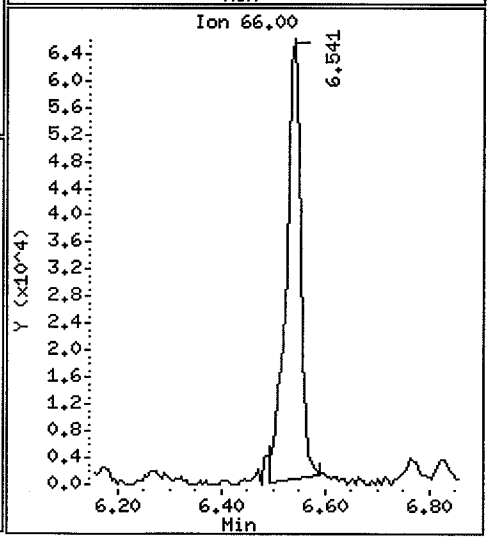


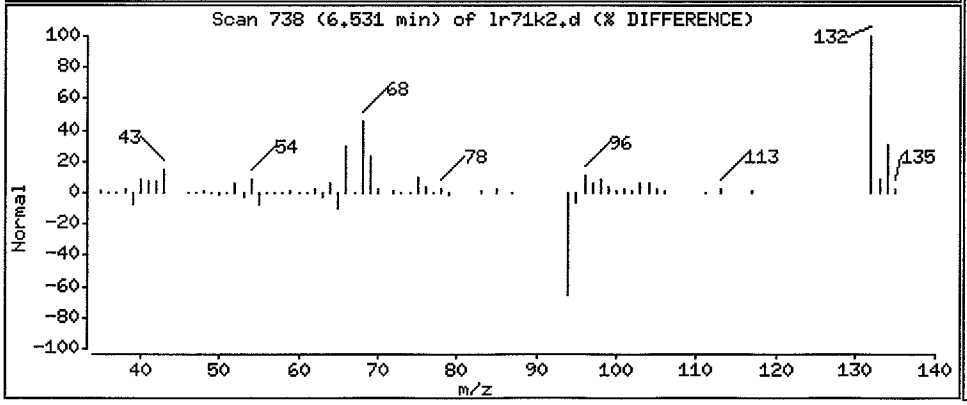












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

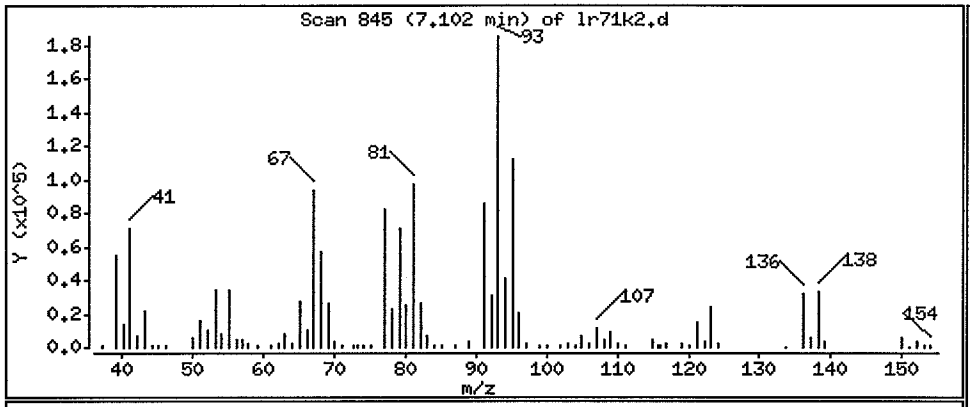
Operator: VTS

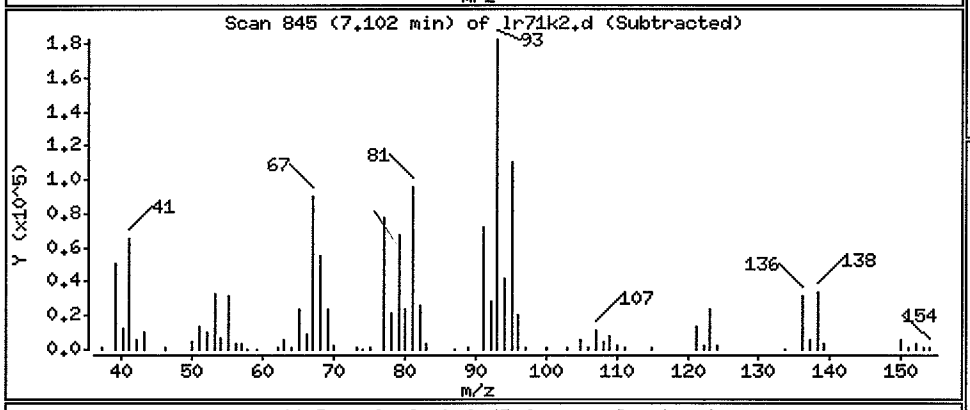
Column phase: ZB-5

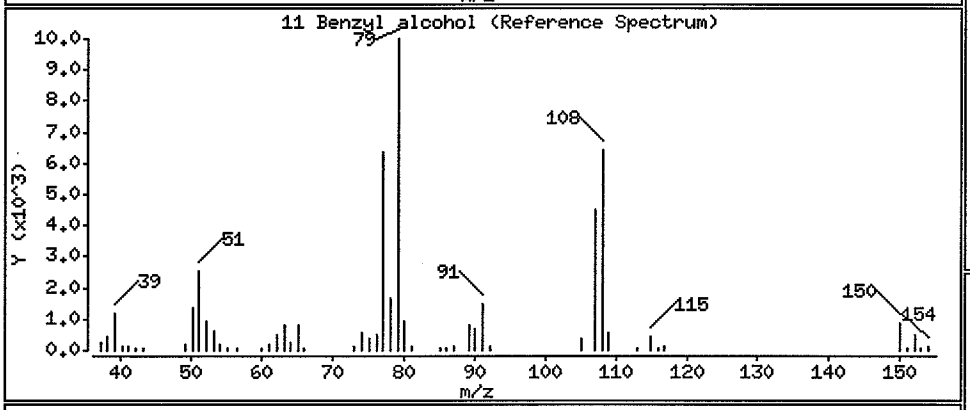
Column diameter: 0.32

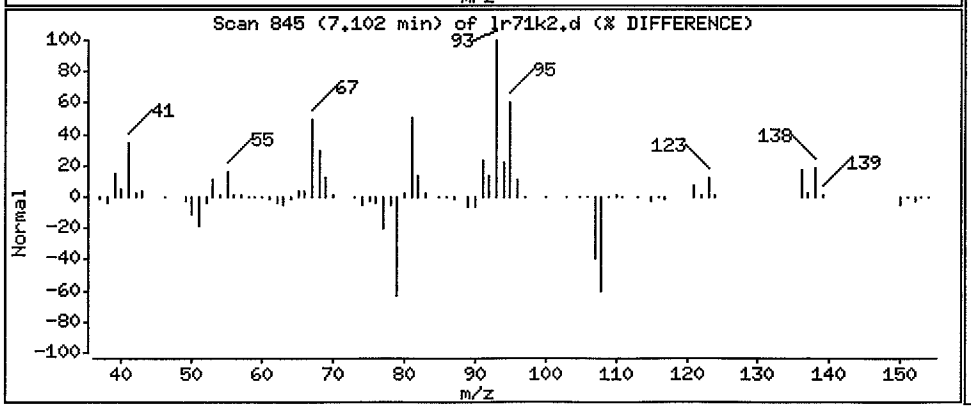
11 Benzyl alcohol

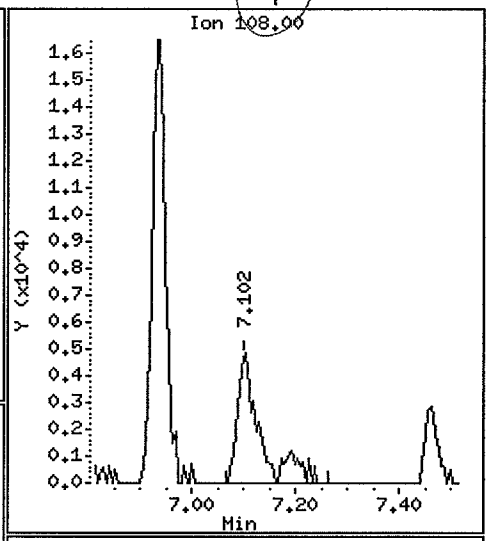
Concentration: 38.82 ug/Kg

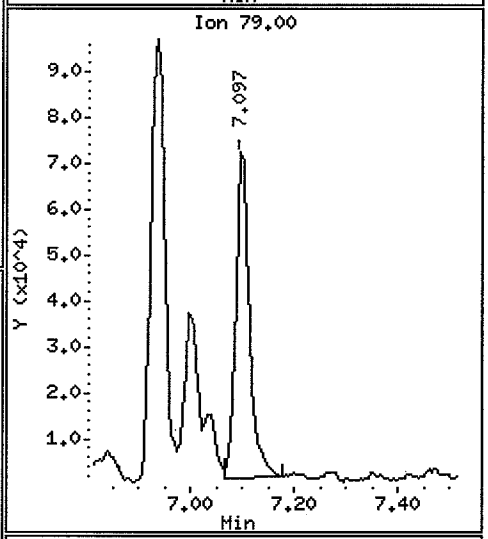


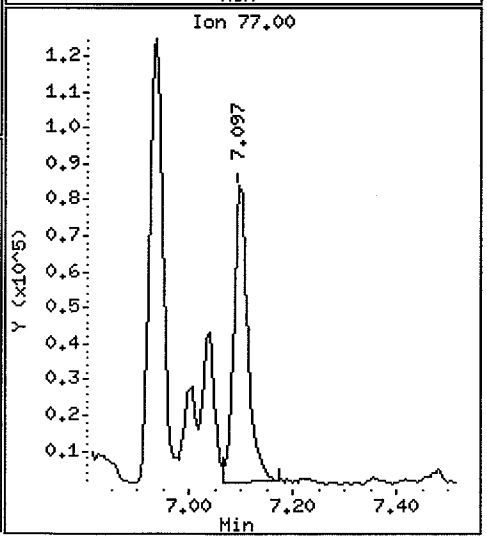












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

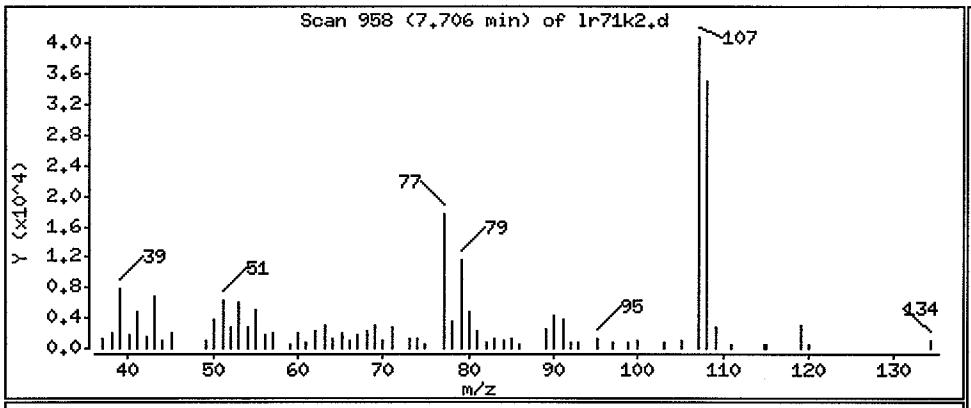
Operator: VTS

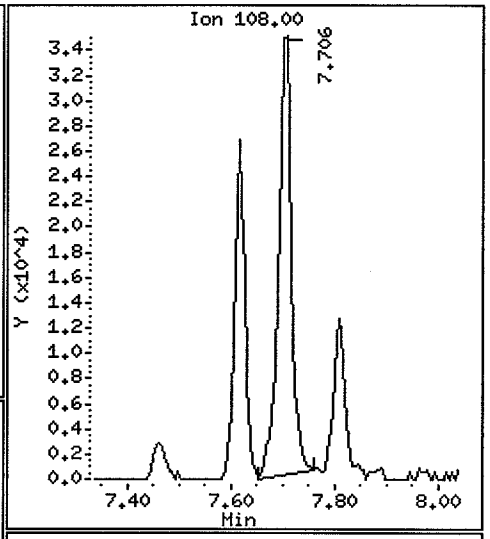
Column phase: ZB-5

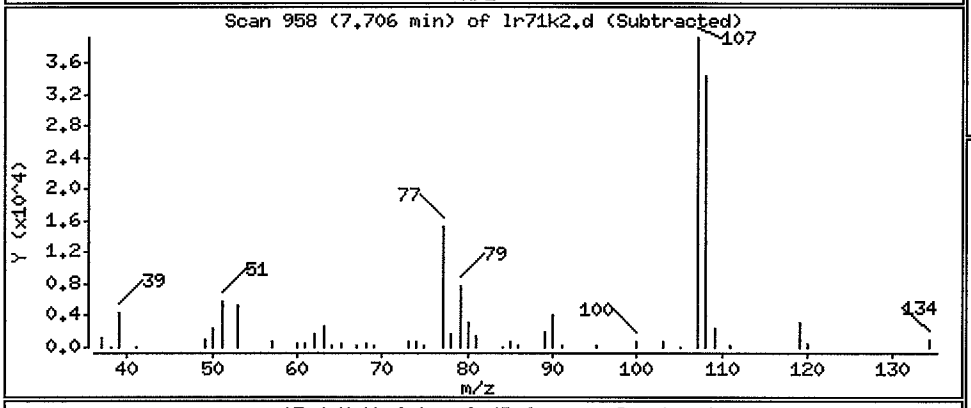
Column diameter: 0.32

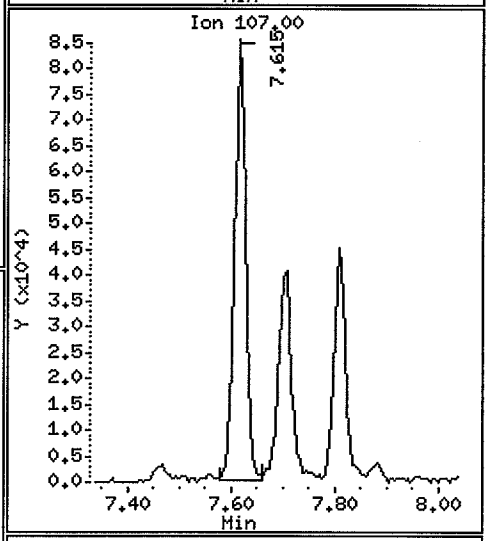
15 4-Methylphenol

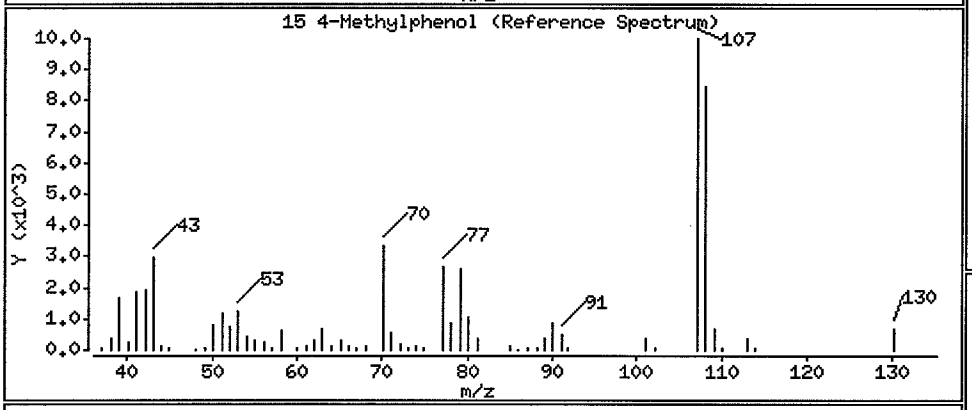
Concentration: 109.2 ug/Kg

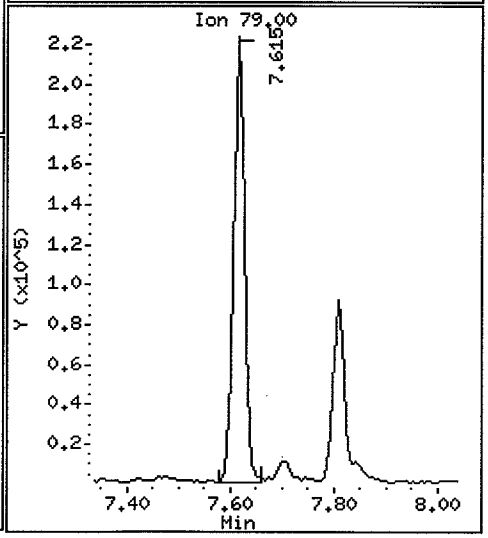


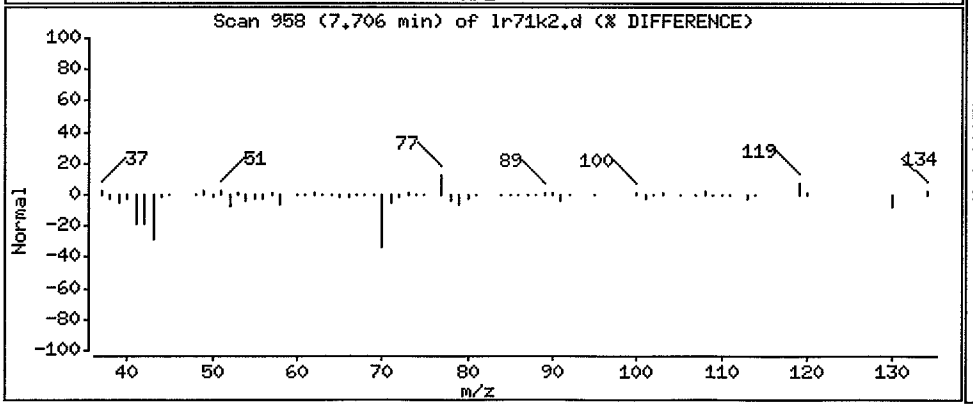












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

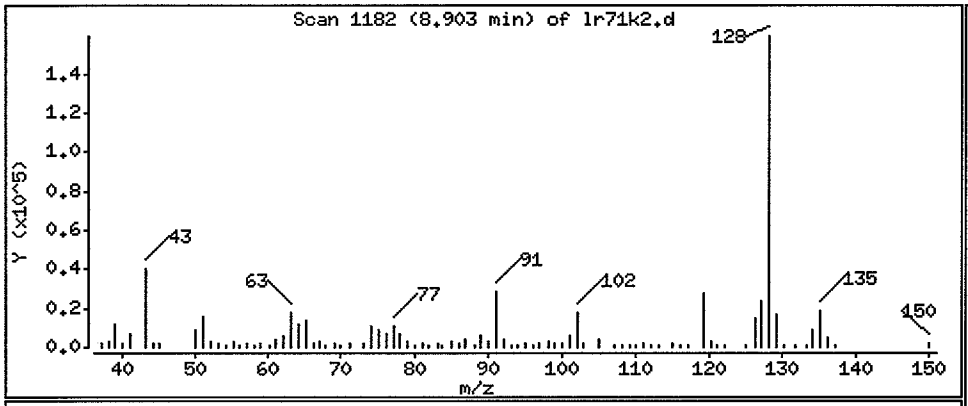
Operator: VTS

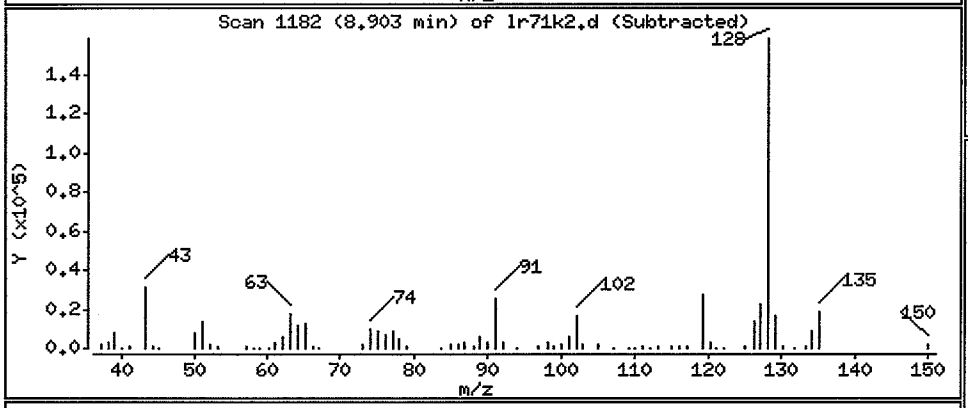
Column phase: ZB-5

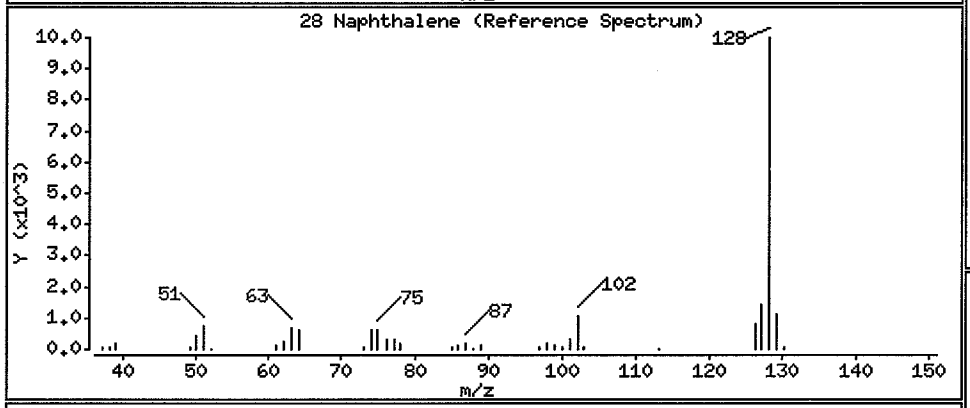
Column diameter: 0.32

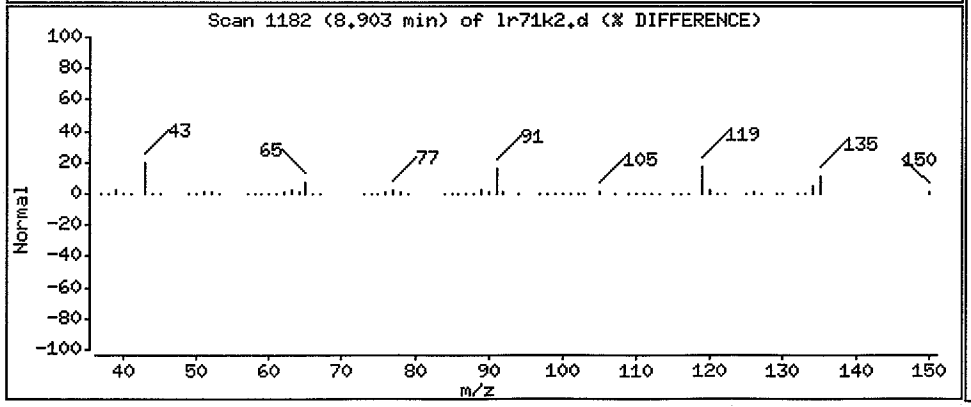
28 Naphthalene

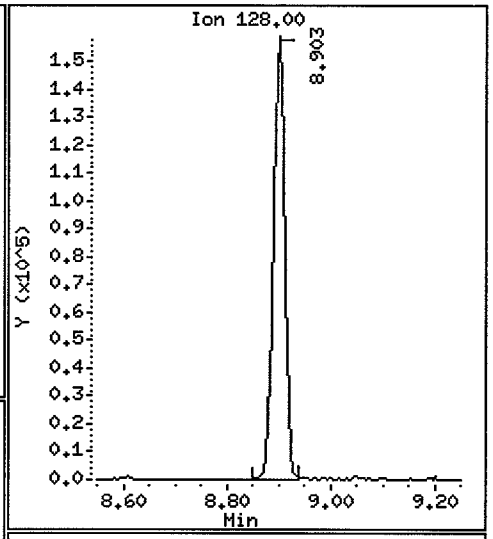
Concentration: 135.4 ug/Kg

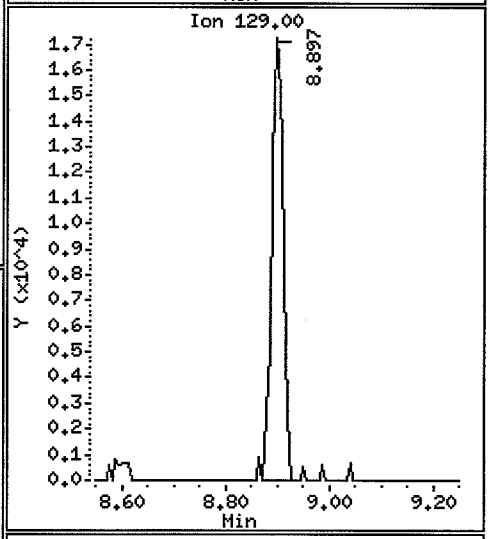


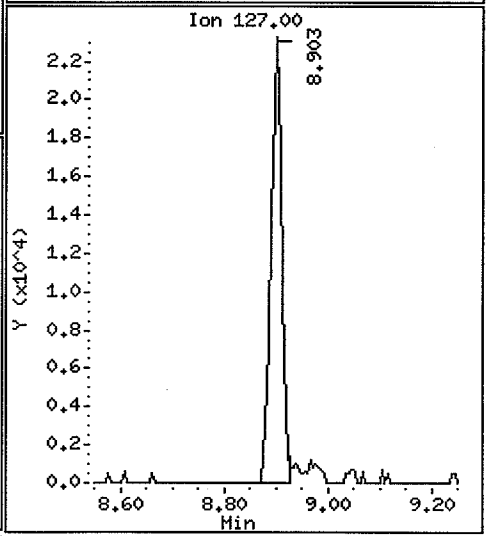












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

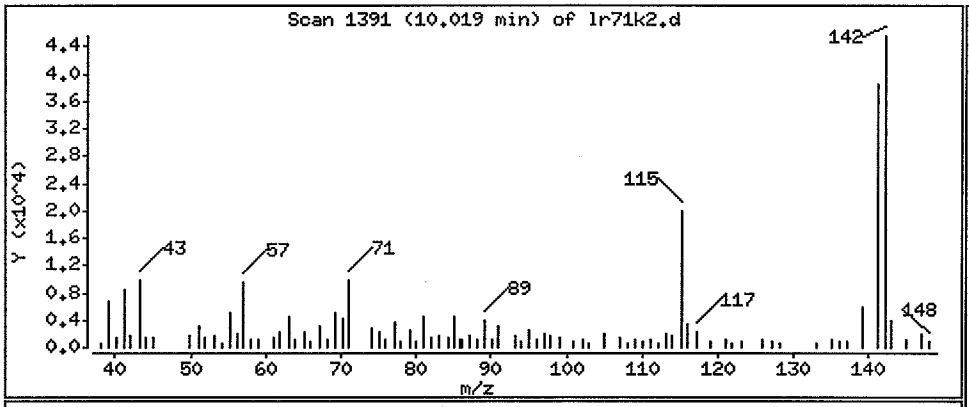
Operator: VTS

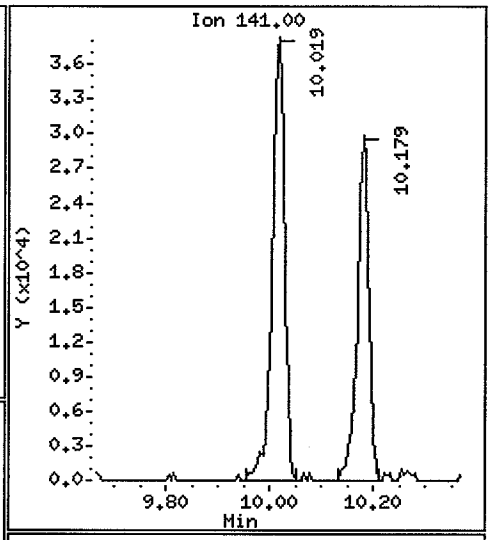
Column phase: ZB-5

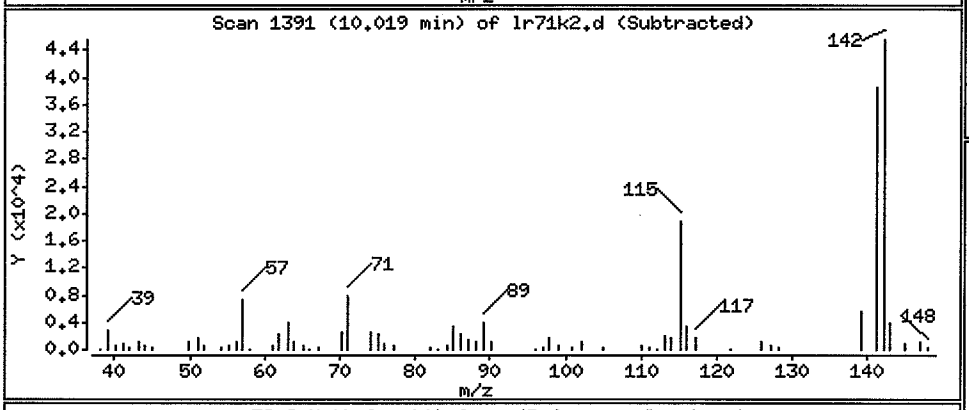
Column diameter: 0.32

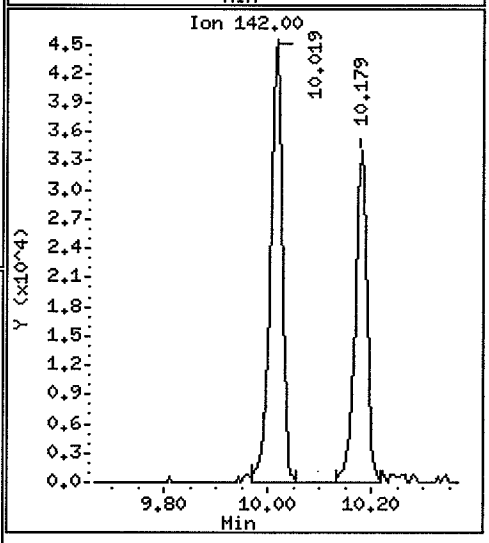
32 2-Methylnaphthalene

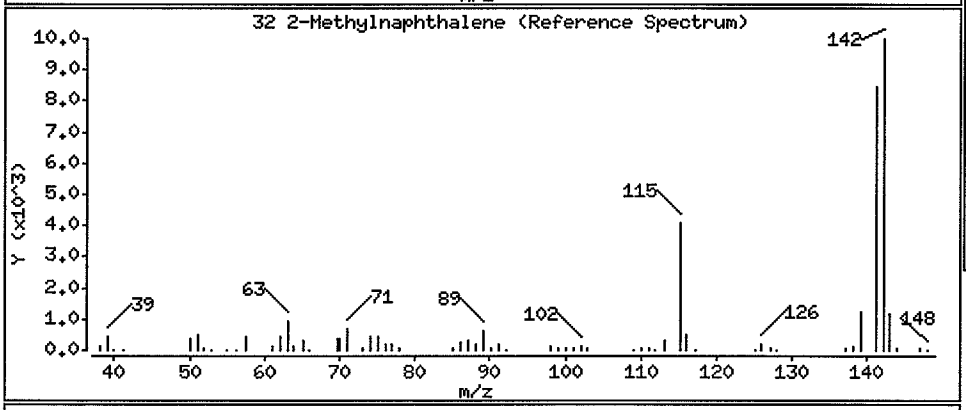
Concentration: 70.69 ug/Kg

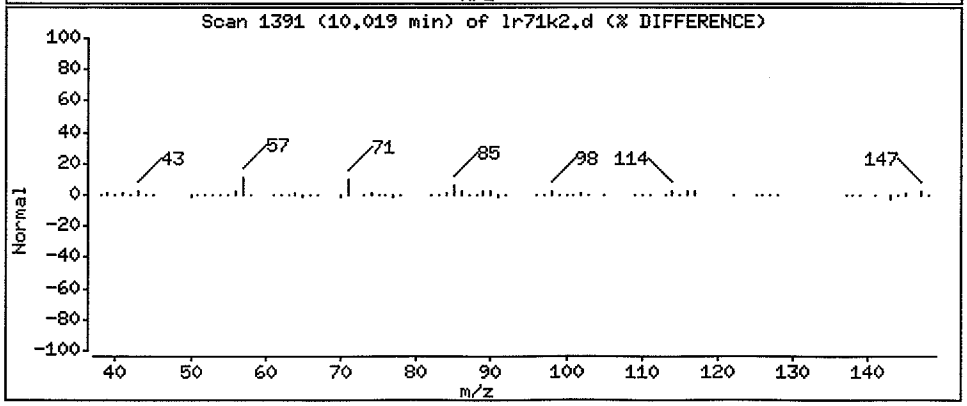












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

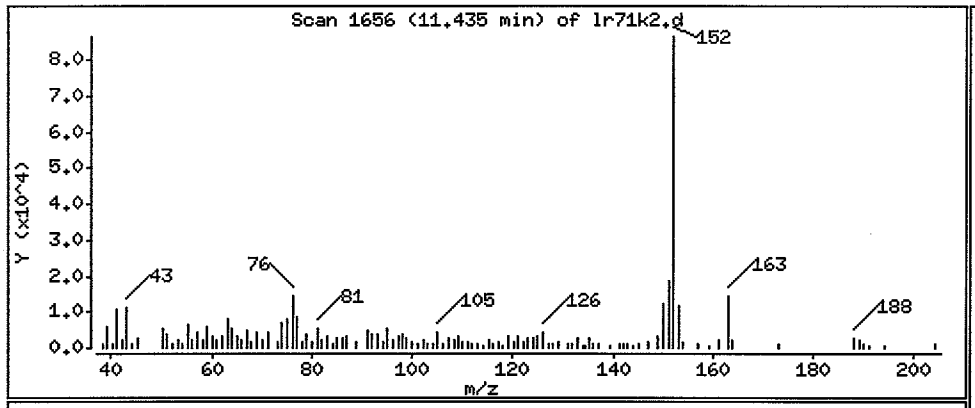
Operator: VTS

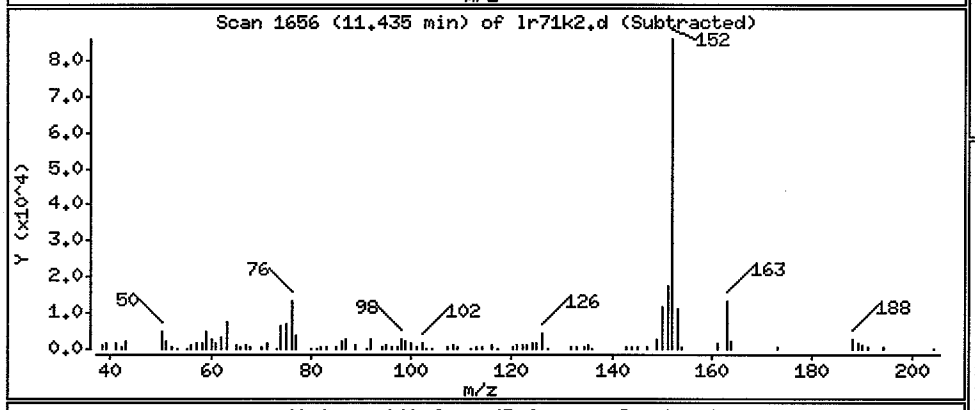
Column phase: ZB-5

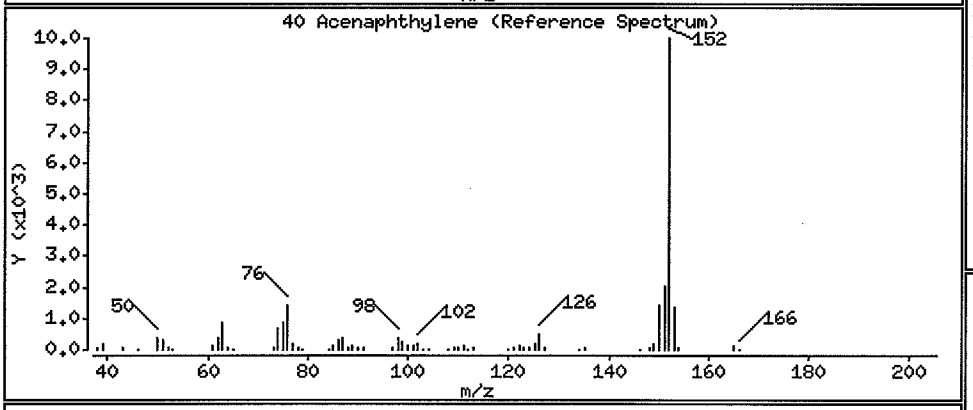
Column diameter: 0.32

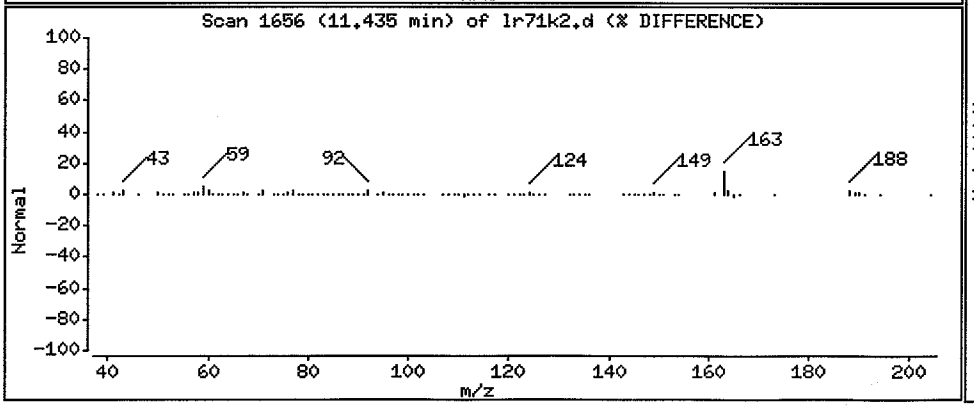
40 Acenaphthylene

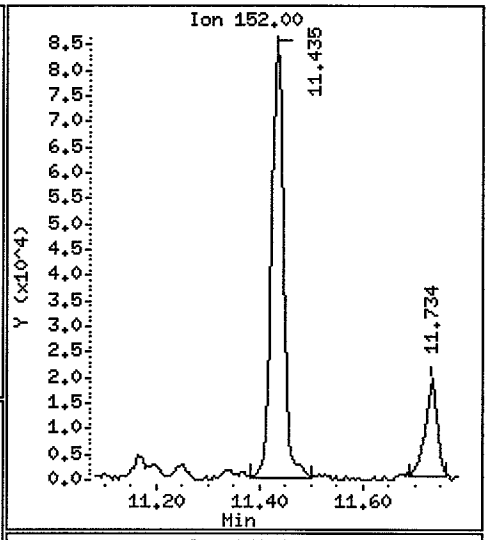
Concentration: 82.02 ug/Kg

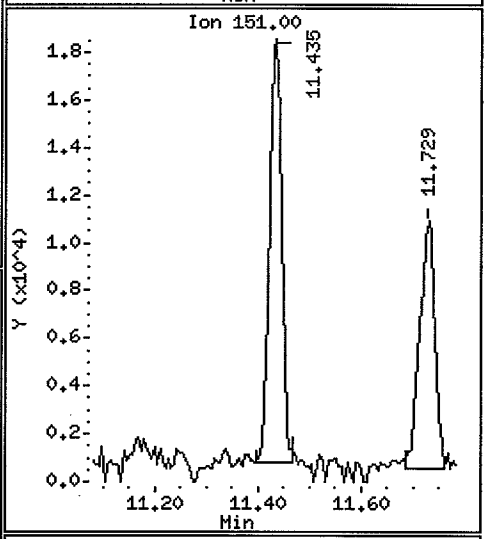


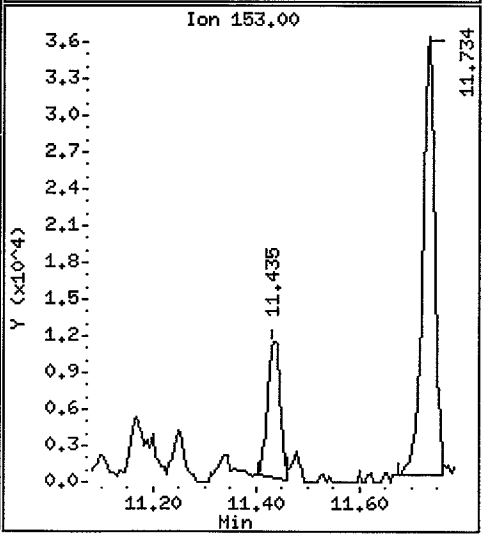












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

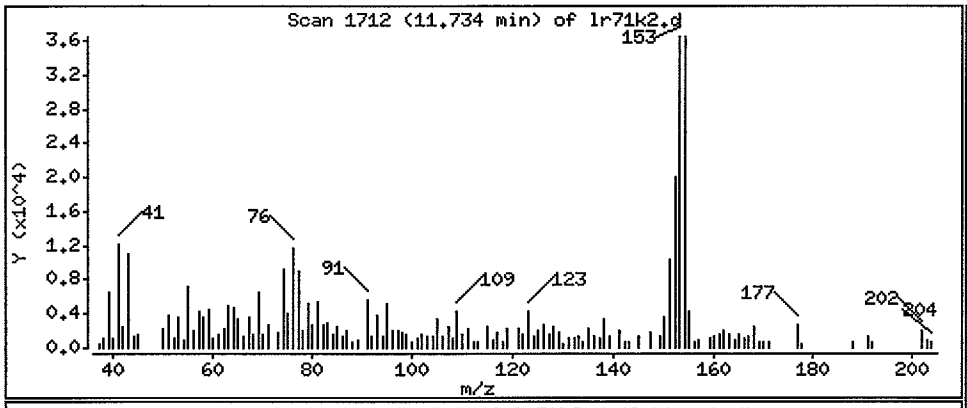
Operator: VTS

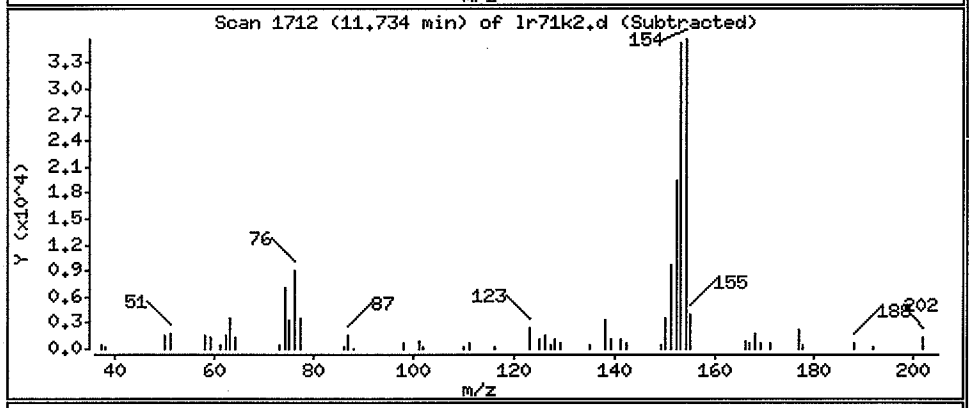
Column phase: ZB-5

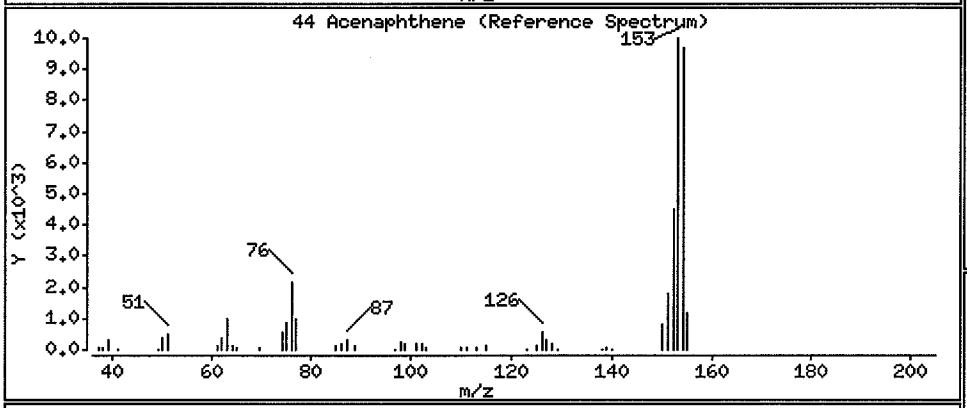
Column diameter: 0.32

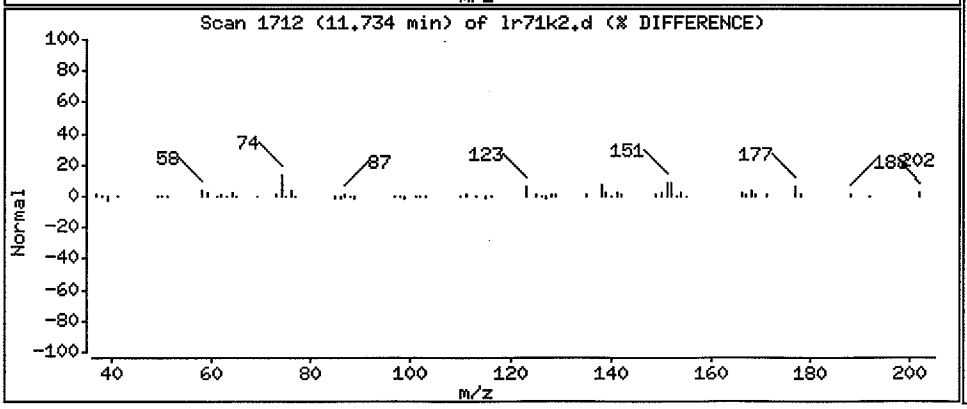
44 Acenaphthene

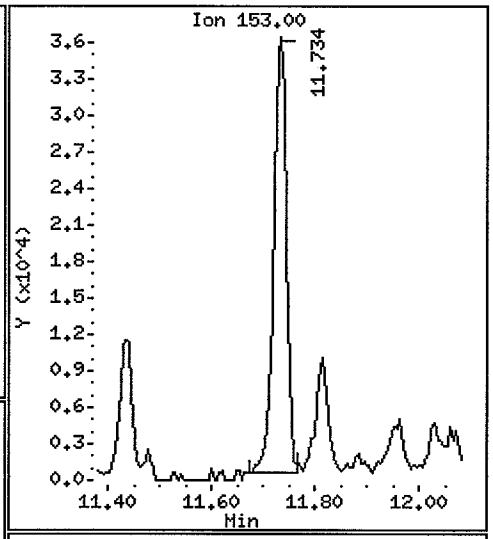
Concentration: 55.41 ug/Kg

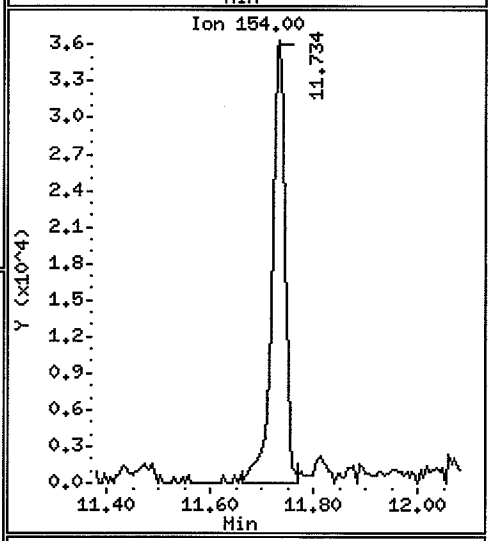


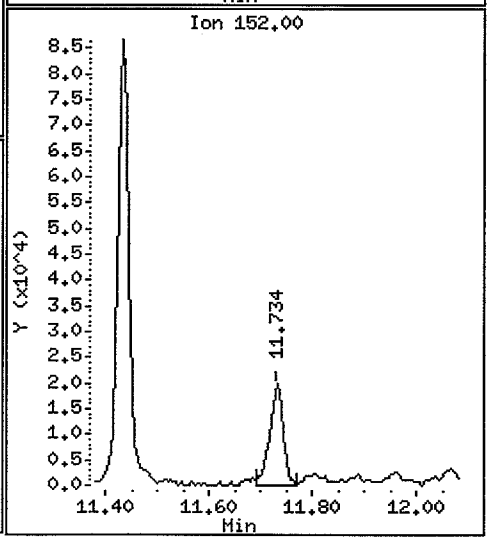












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

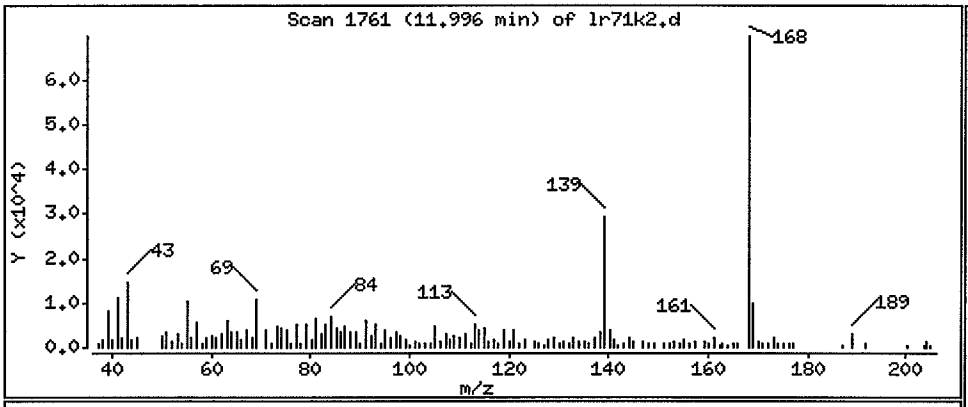
Operator: VTS

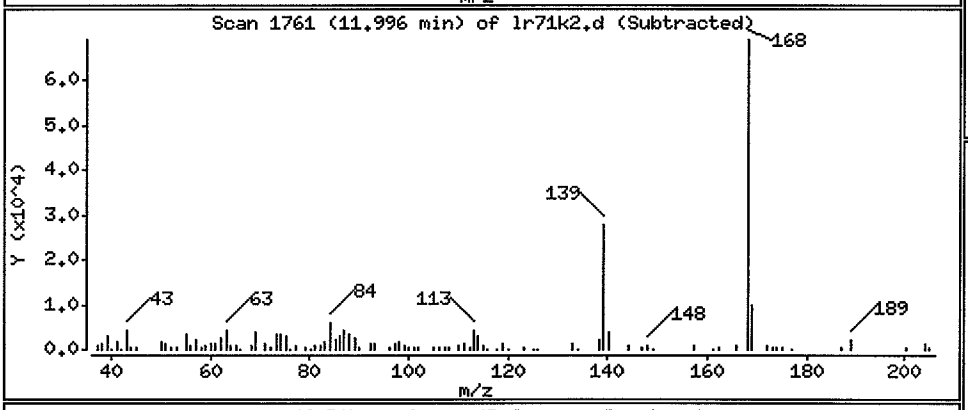
Column phase: ZB-5

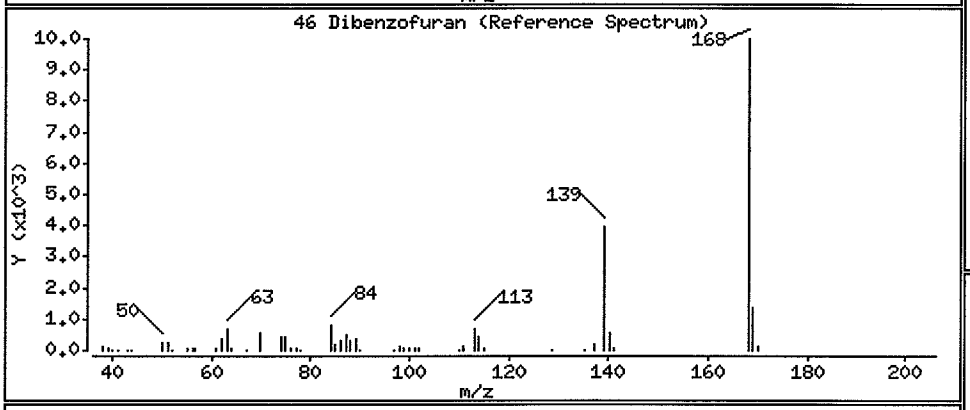
Column diameter: 0.32

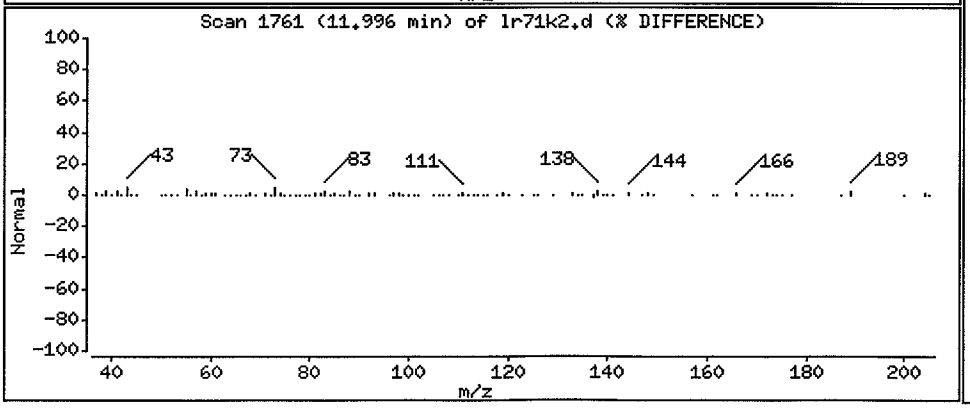
46 Dibenzofuran

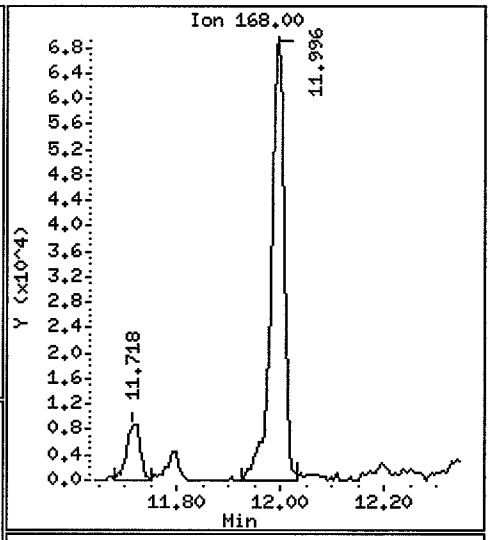
Concentration: 84.89 ug/Kg

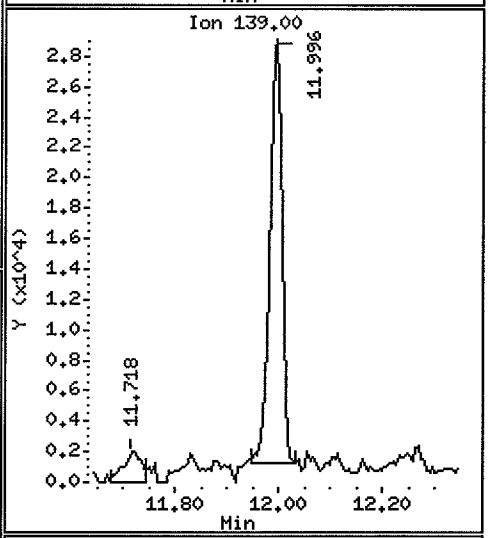


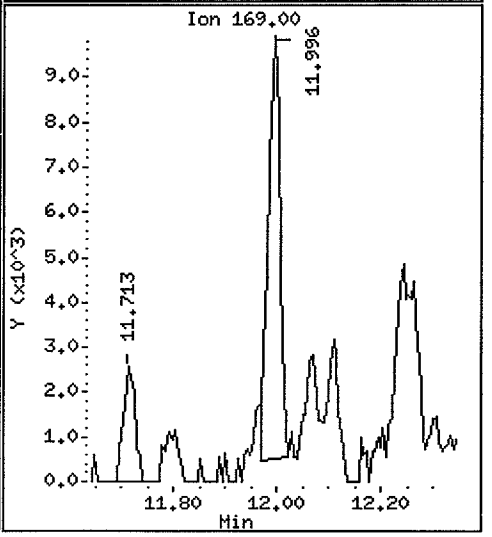












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

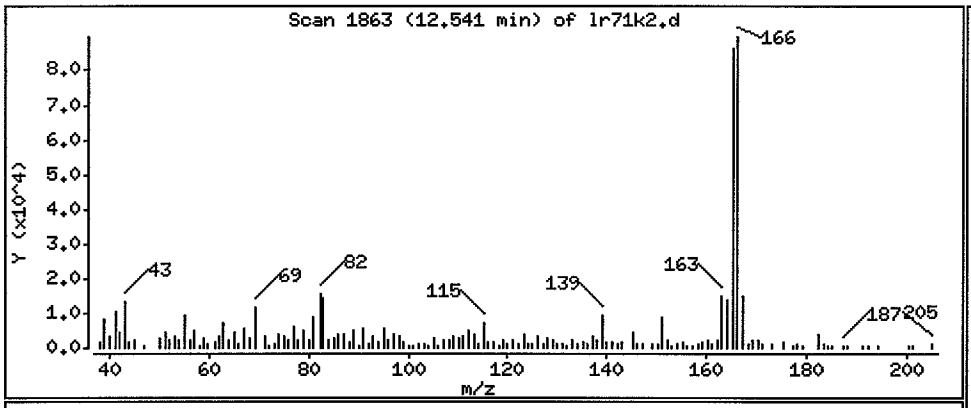
Operator: VTS

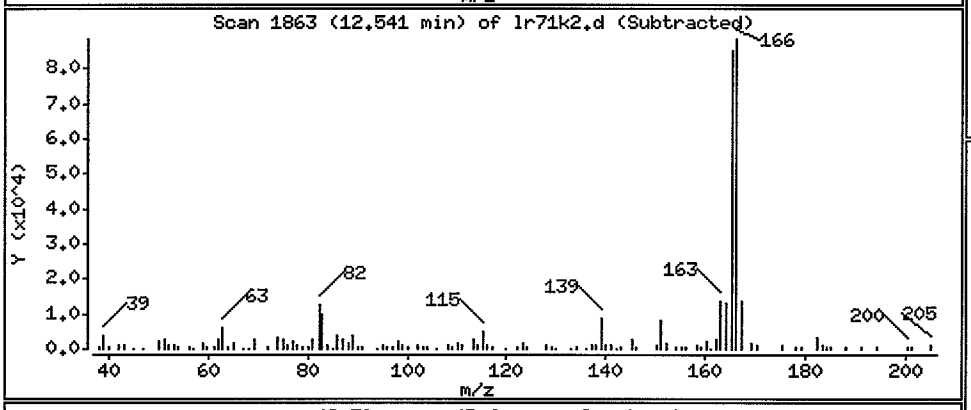
Column phase: ZB-5

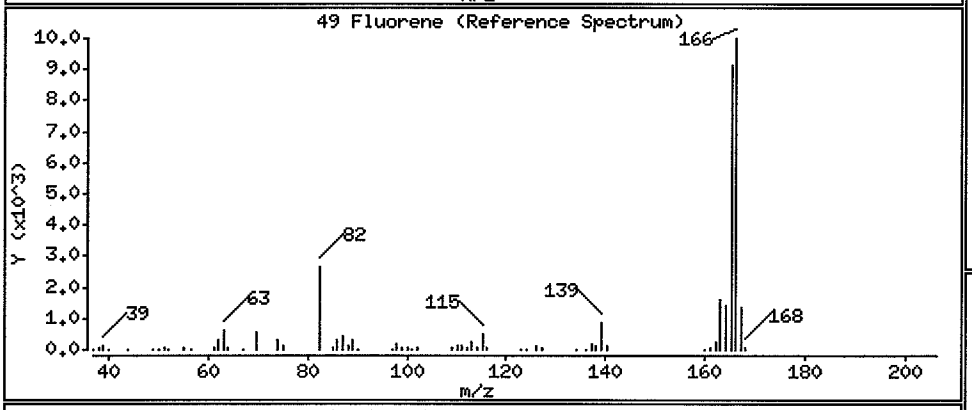
Column diameter: 0.32

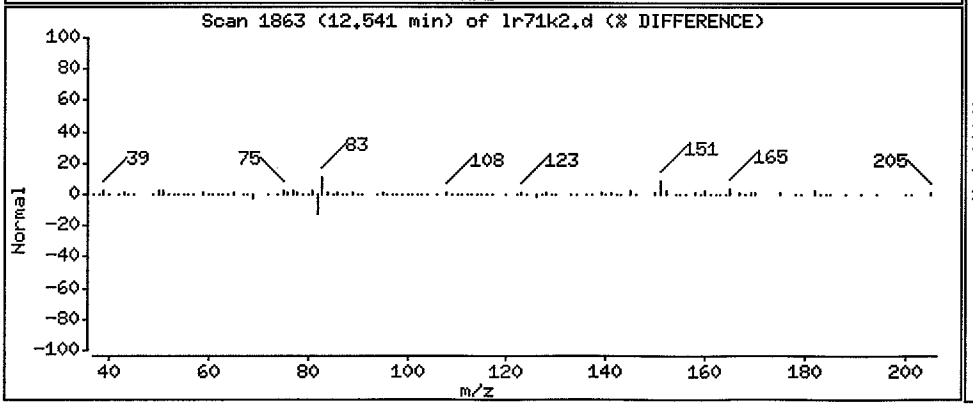
49 Fluorene

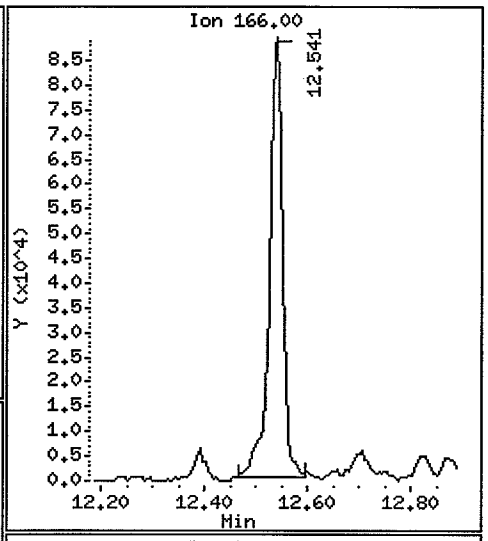
Concentration: 129.6 ug/Kg

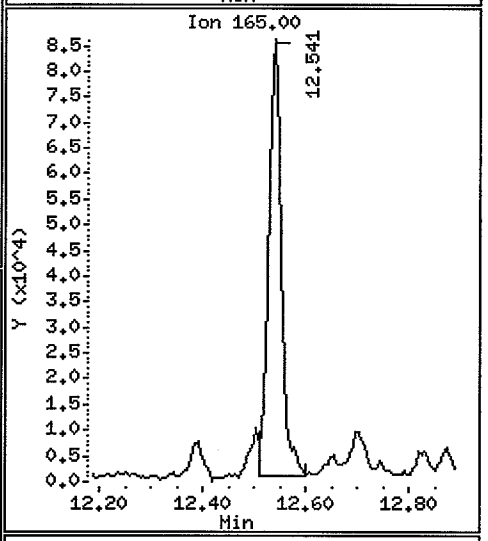


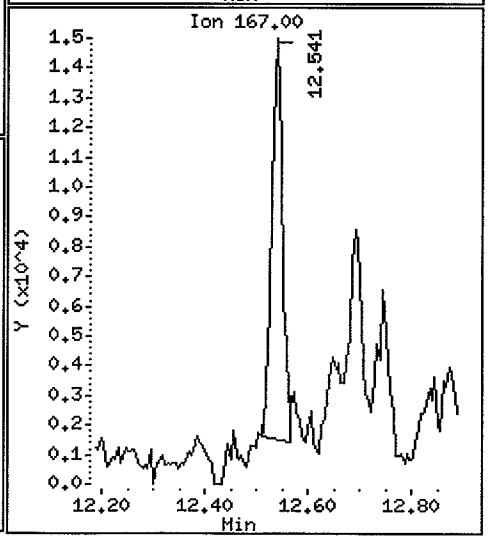












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

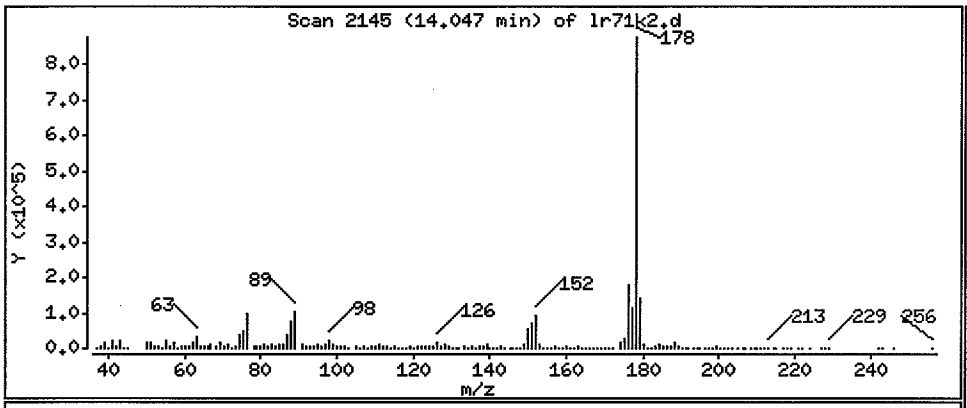
Operator: VTS

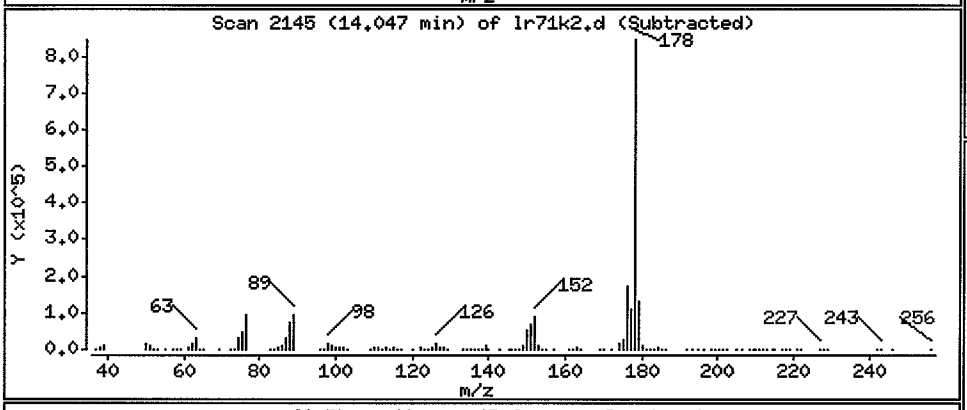
Column phase: ZB-5

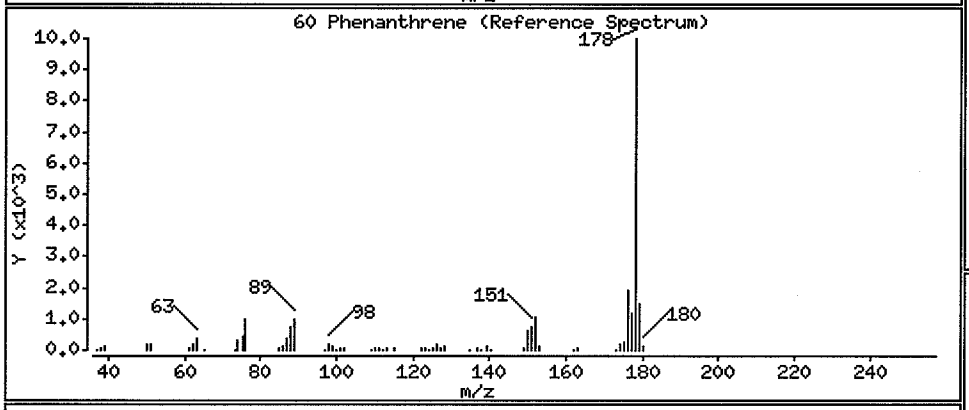
Column diameter: 0.32

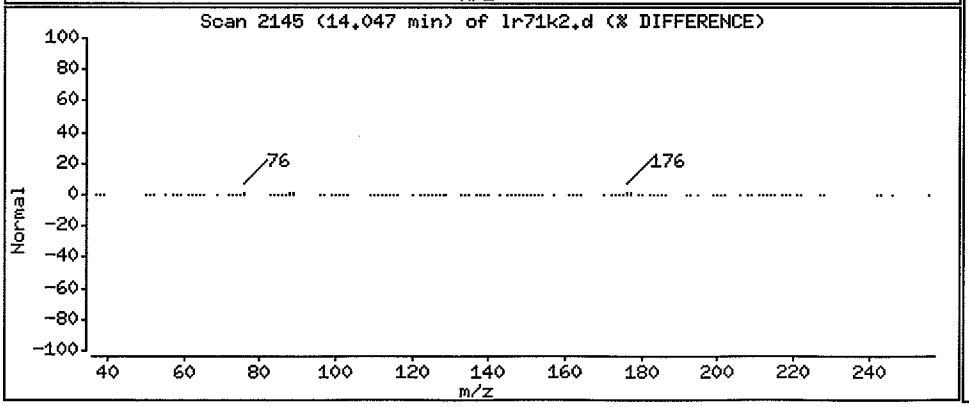
60 Phenanthrene

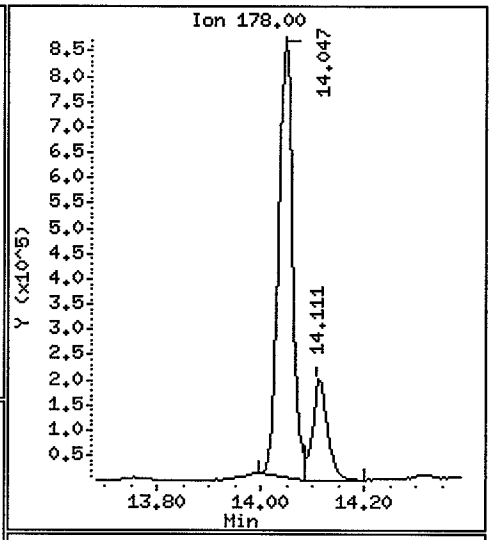
Concentration: 907.7 ug/Kg

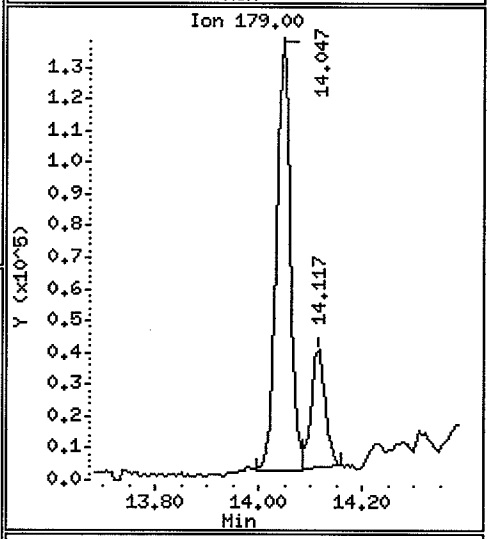


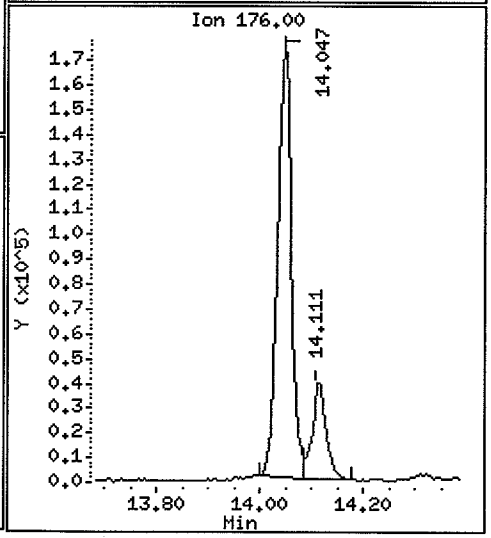












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

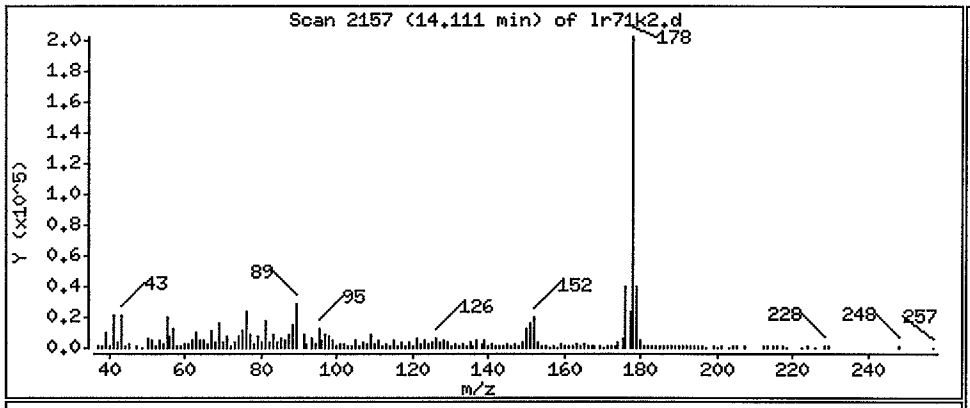
Operator: VTS

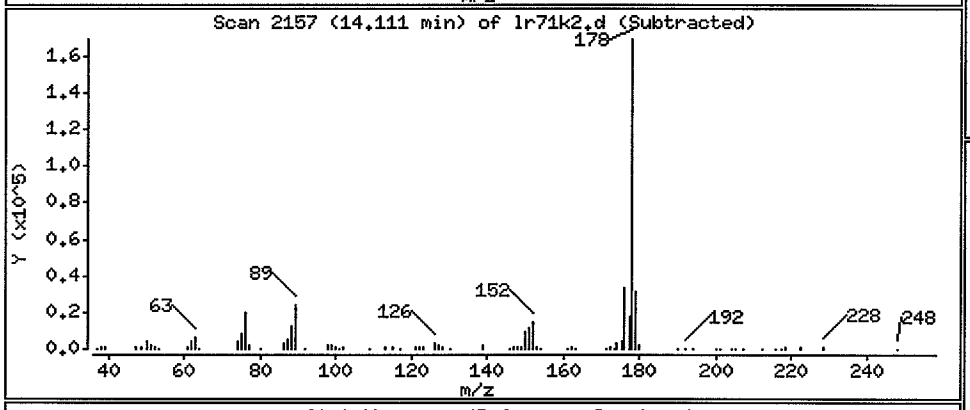
Column phase: ZB-5

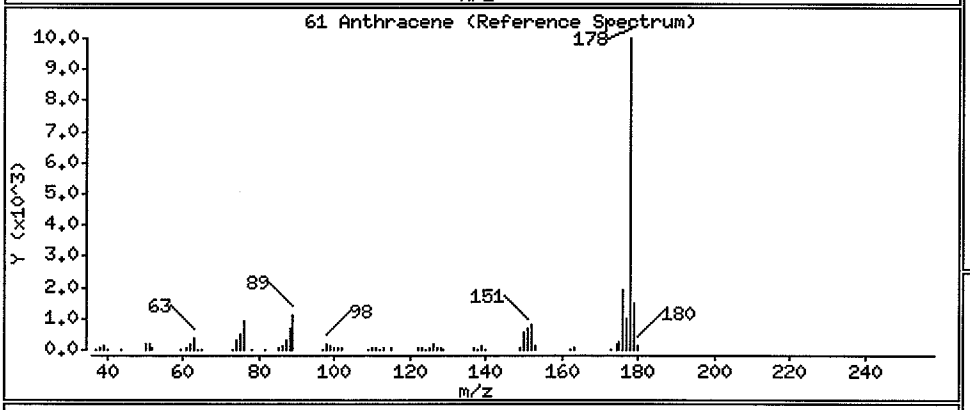
Column diameter: 0.32

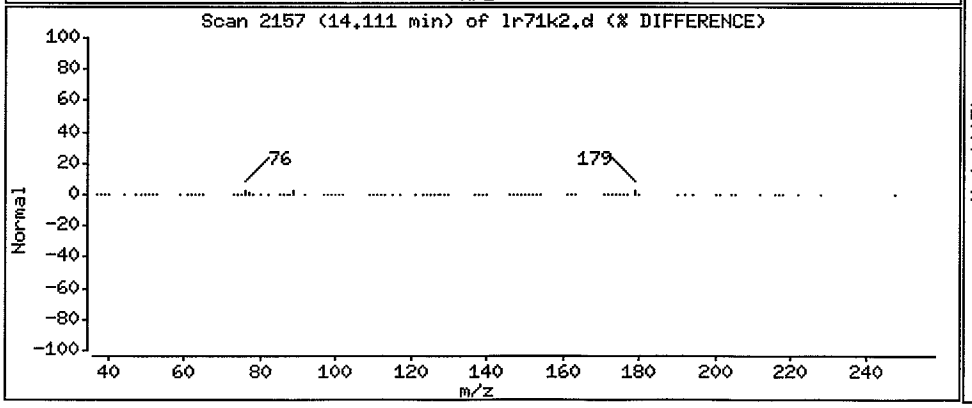
61 Anthracene

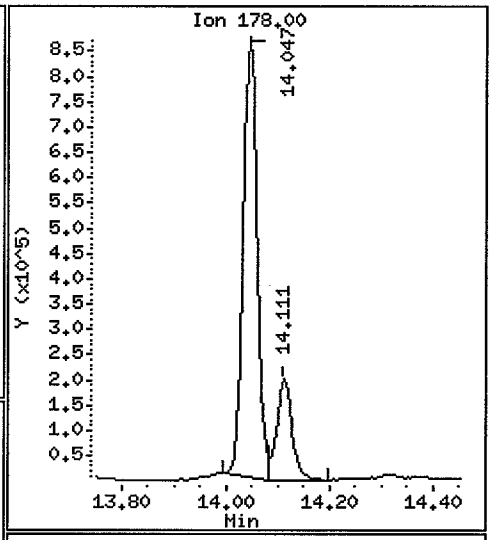
Concentration: 224.1 ug/Kg

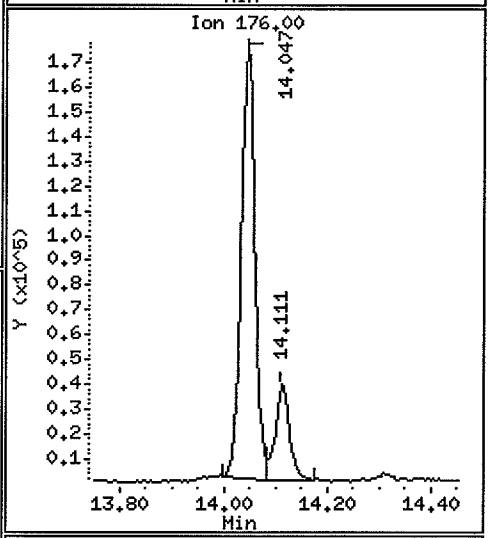


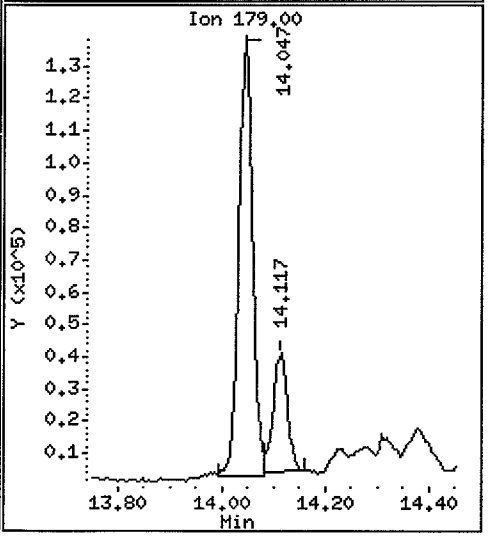












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

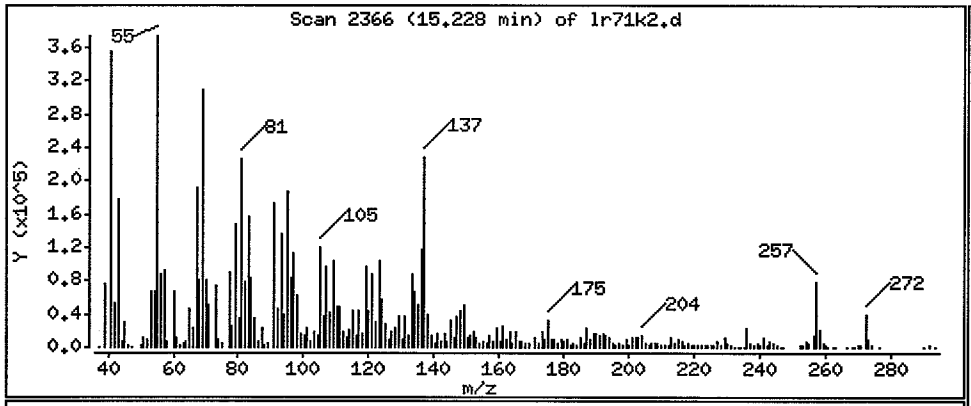
Operator: VTS

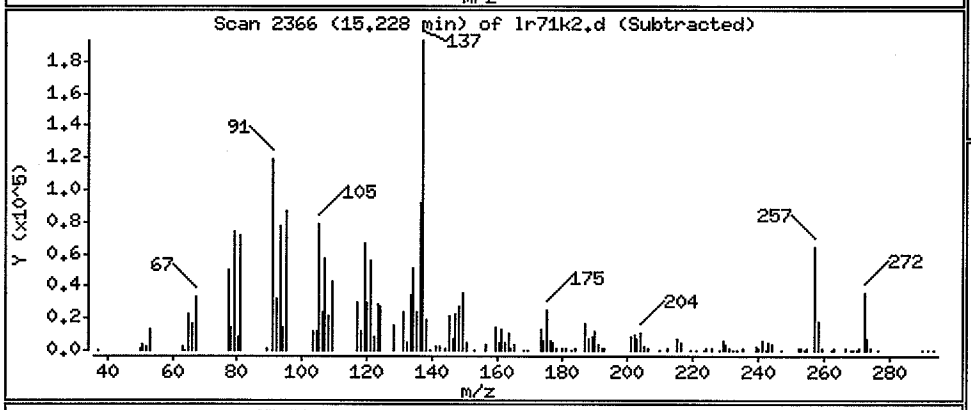
Column phase: ZB-5

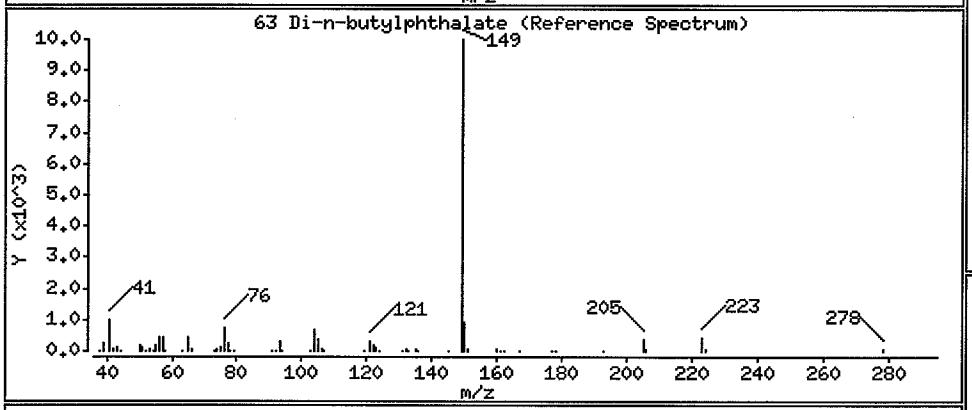
Column diameter: 0.32

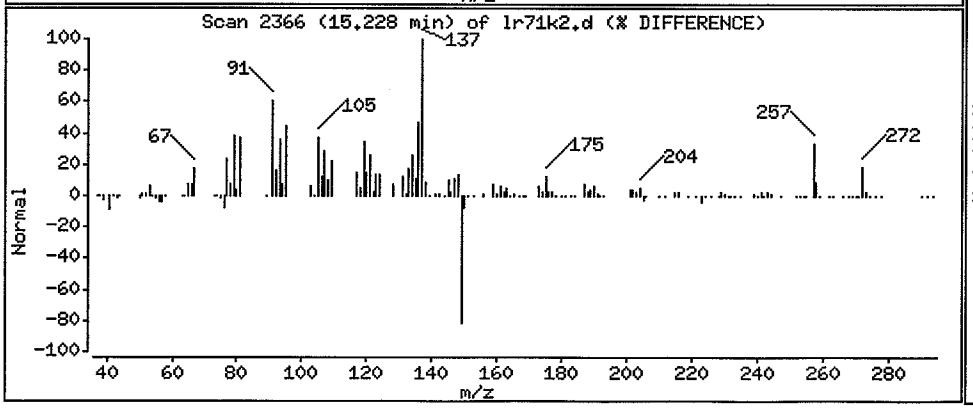
63 Di-n-butylphthalate

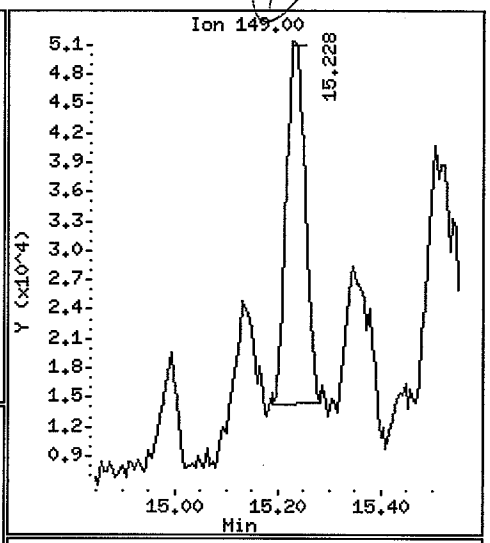
Concentration: 50.16 ug/Kg

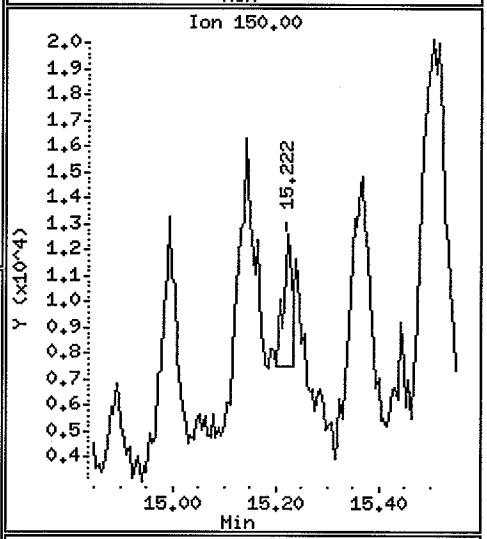


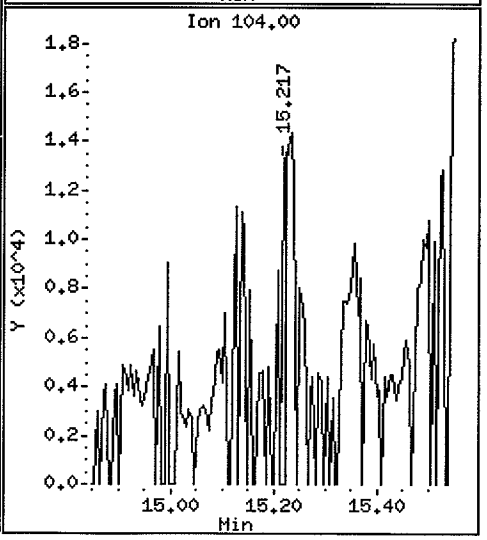












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

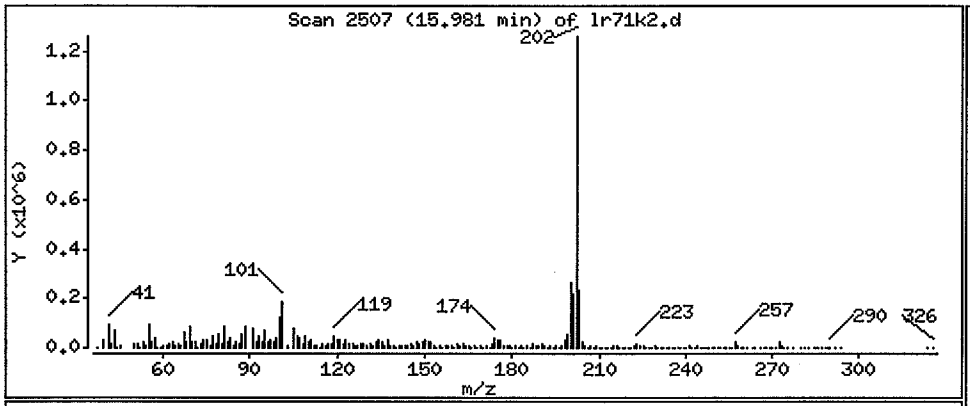
Operator: VTS

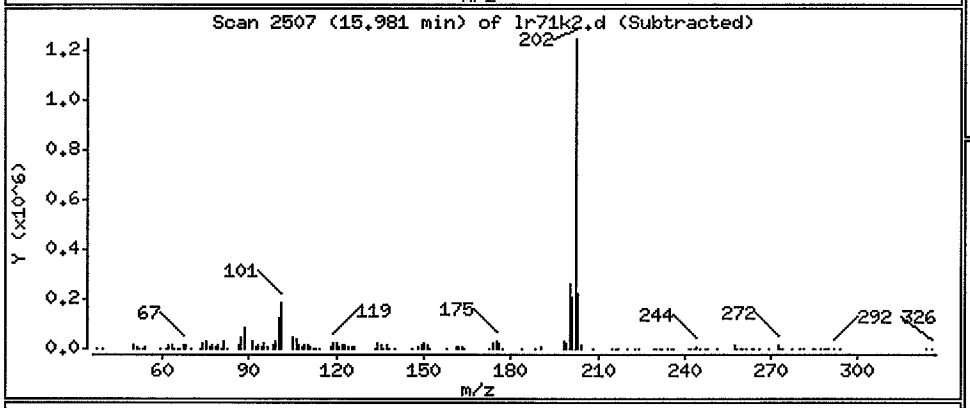
Column phase: ZB-5

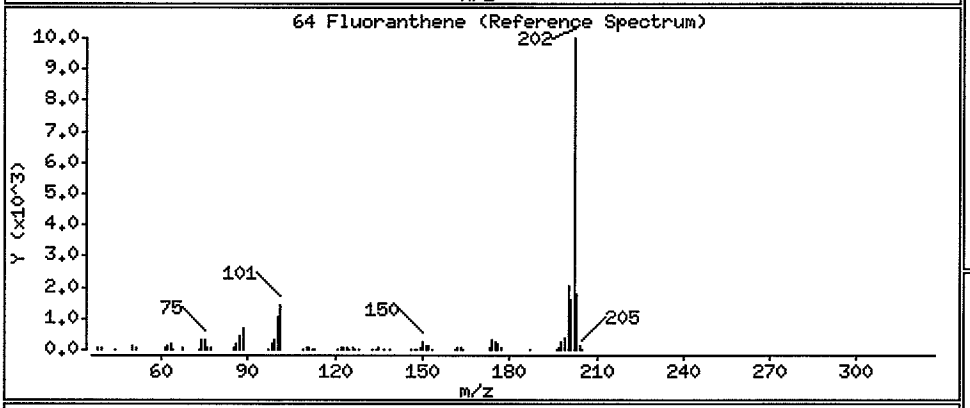
Column diameter: 0.32

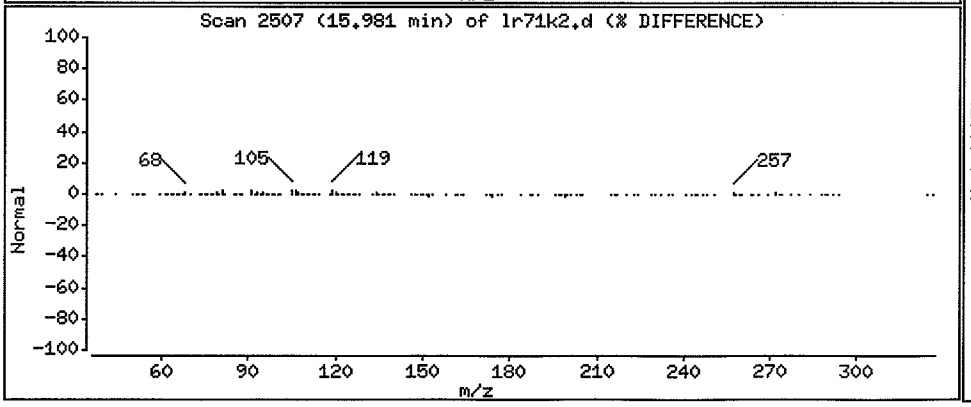
64 Fluoranthene

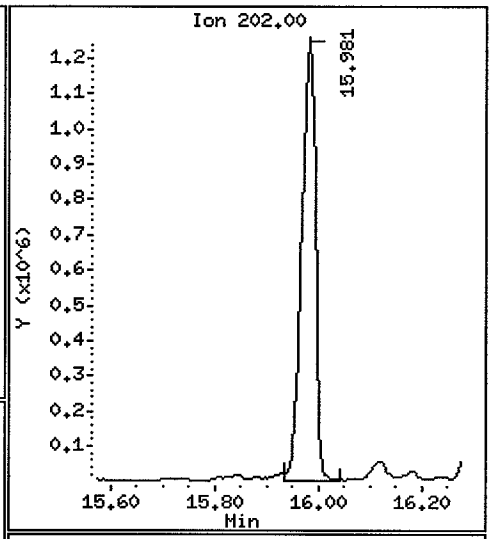
Concentration: 1178 ug/Kg

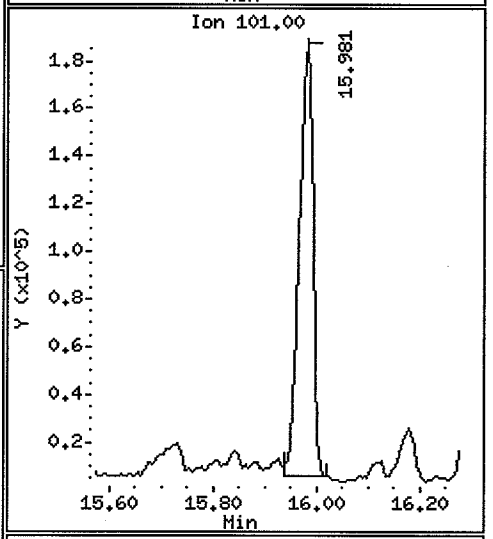


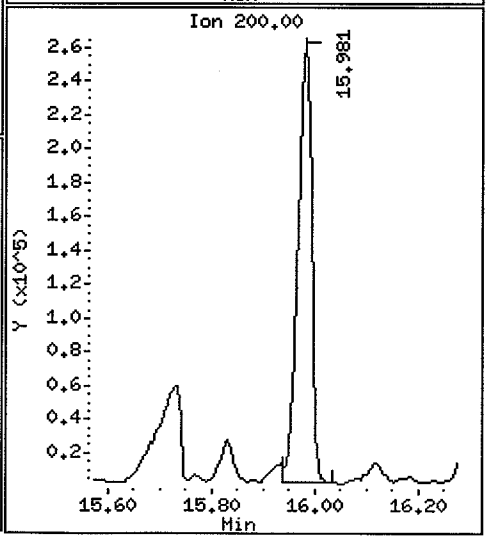












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

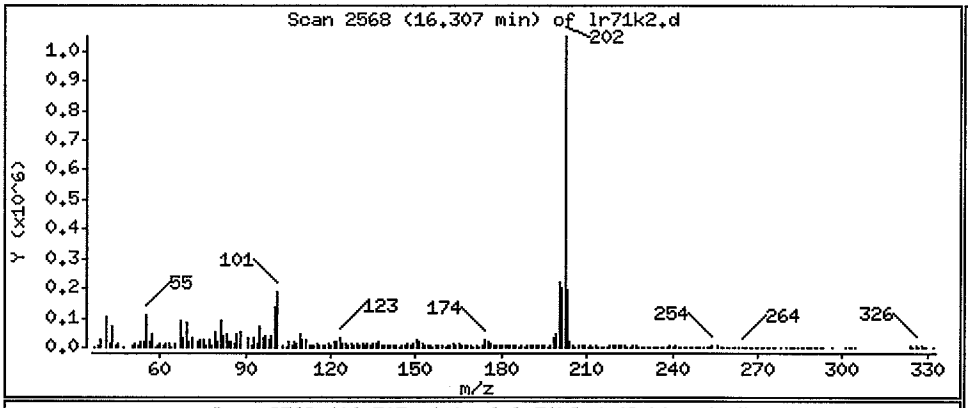
Operator: VTS

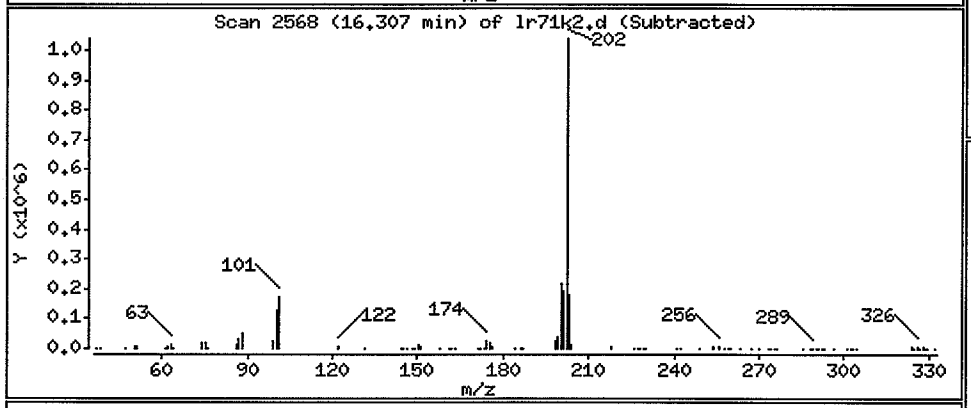
Column phase: ZB-5

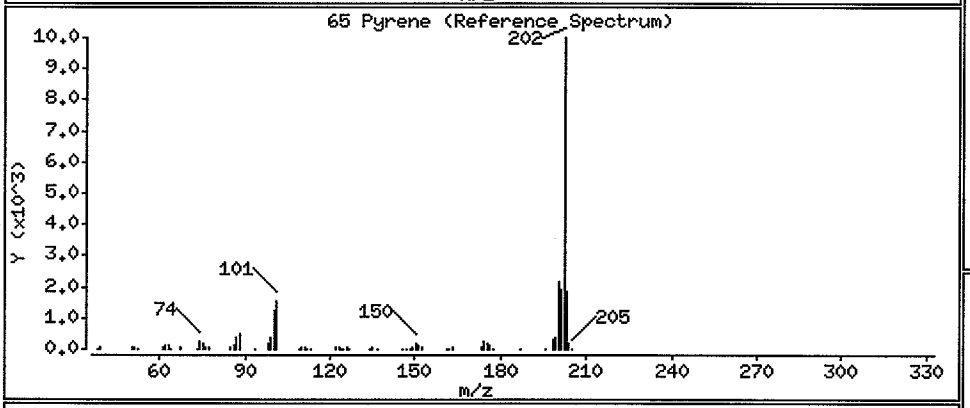
Column diameter: 0.32

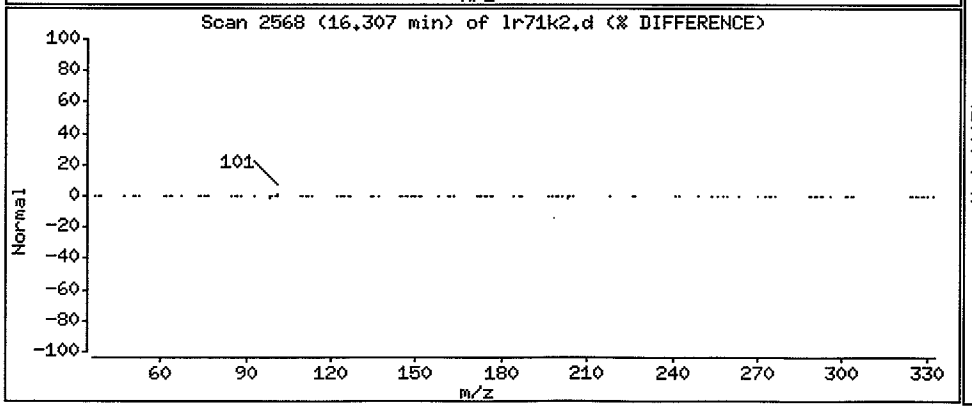
65 Pyrene

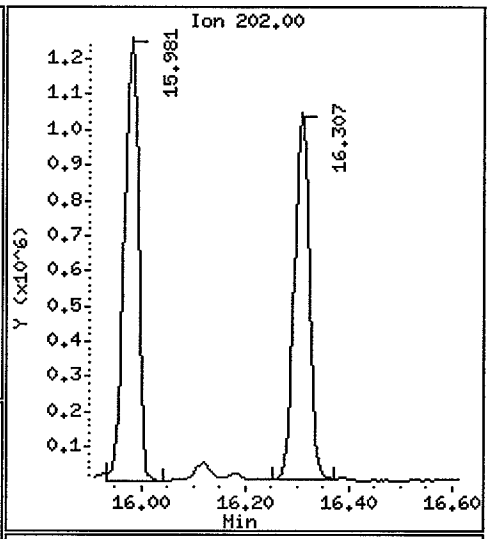
Concentration: 1407 ug/Kg

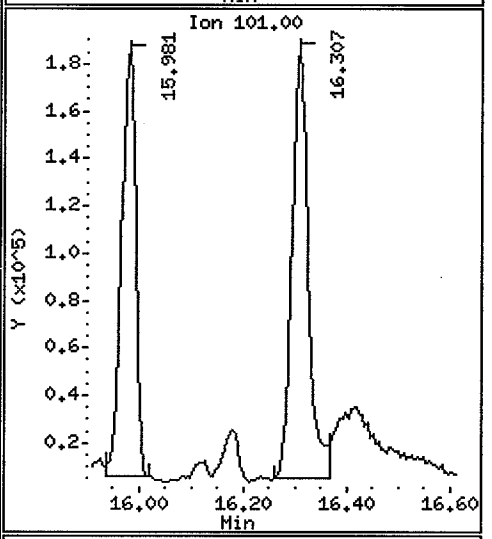


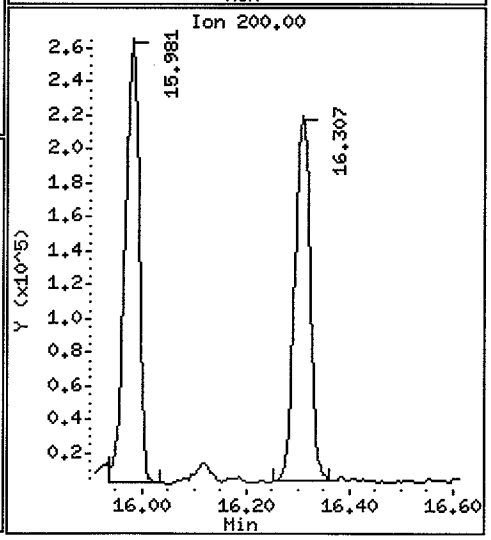












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

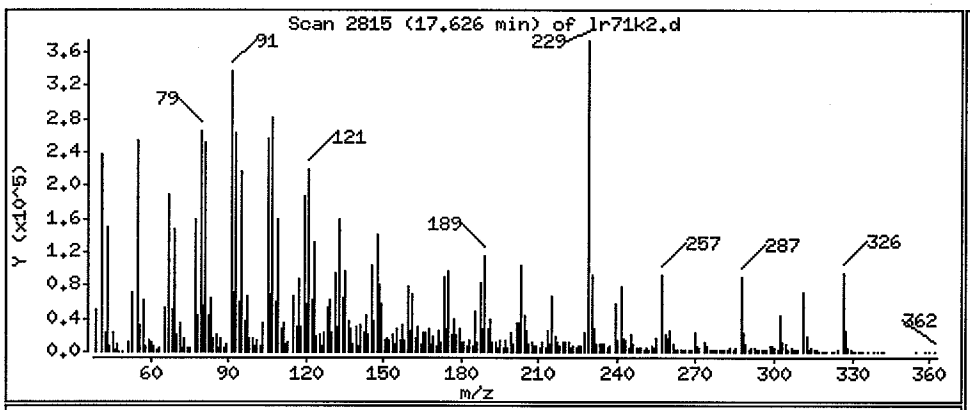
Operator: VTS

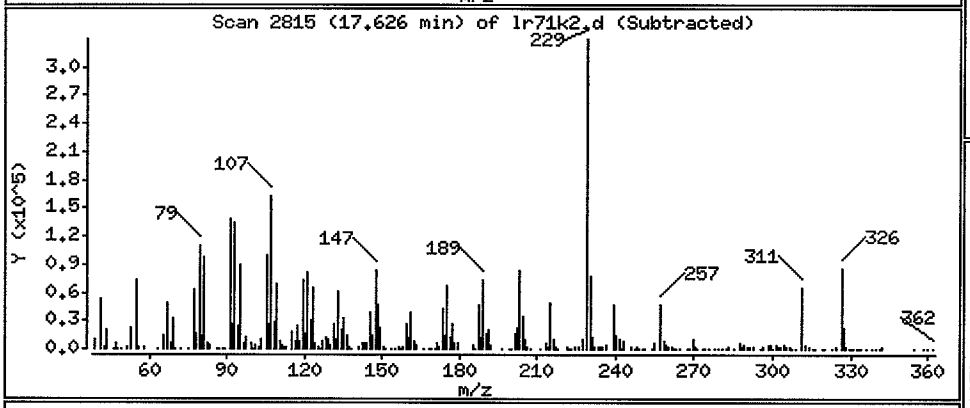
Column phase: ZB-5

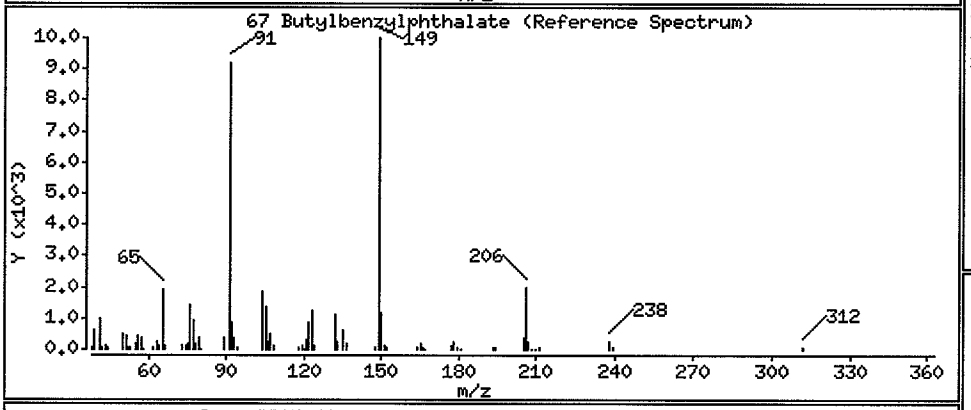
Column diameter: 0.32

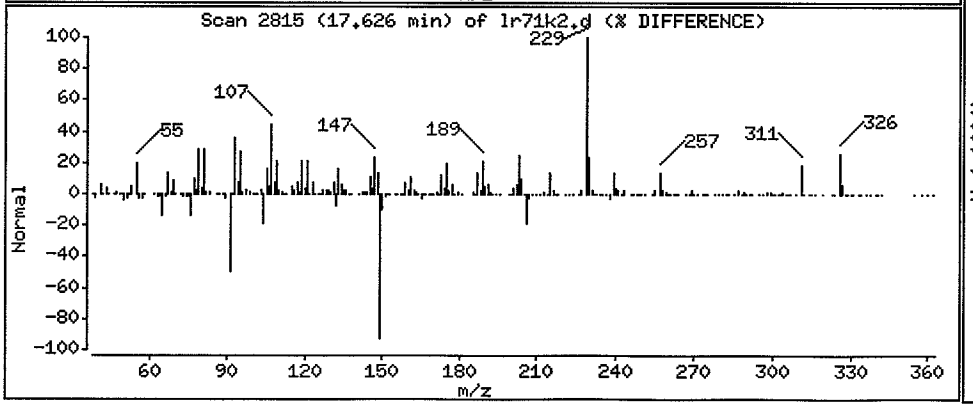
67 Butylbenzylphthalate

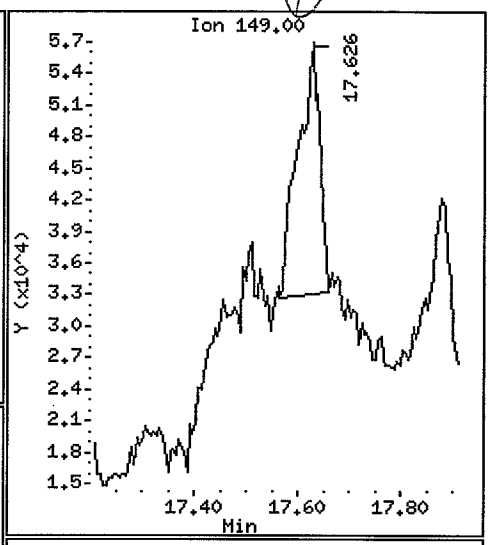
Concentration: 115.8 ug/Kg

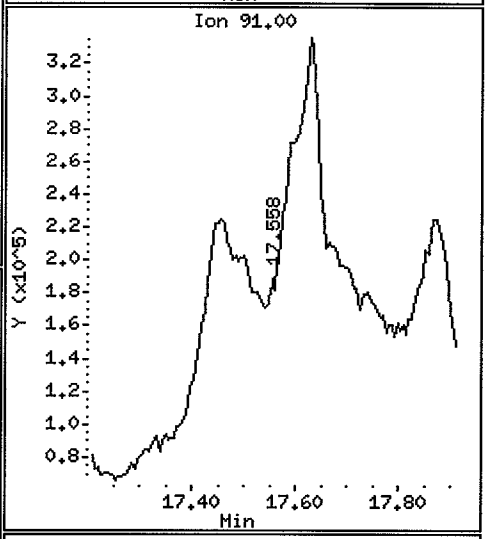


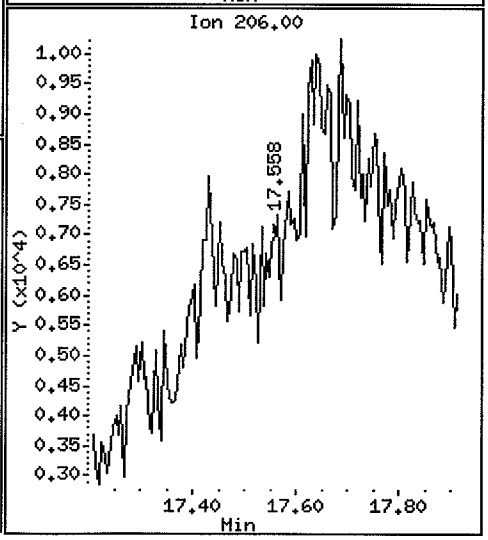












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

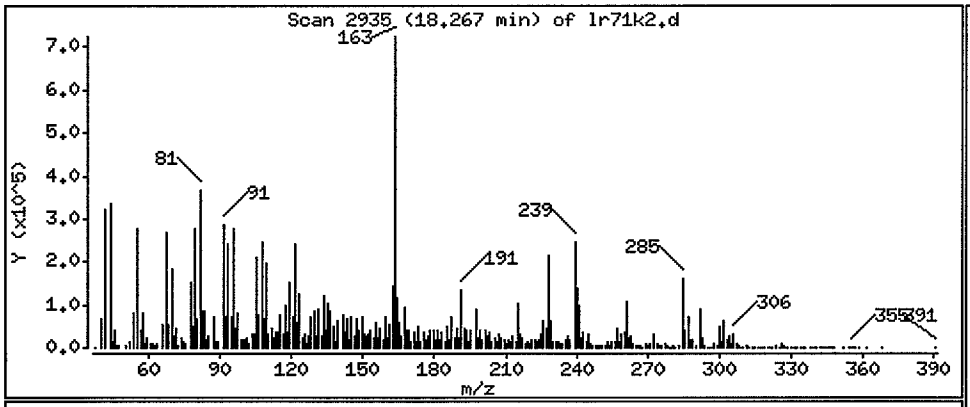
Operator: VTS

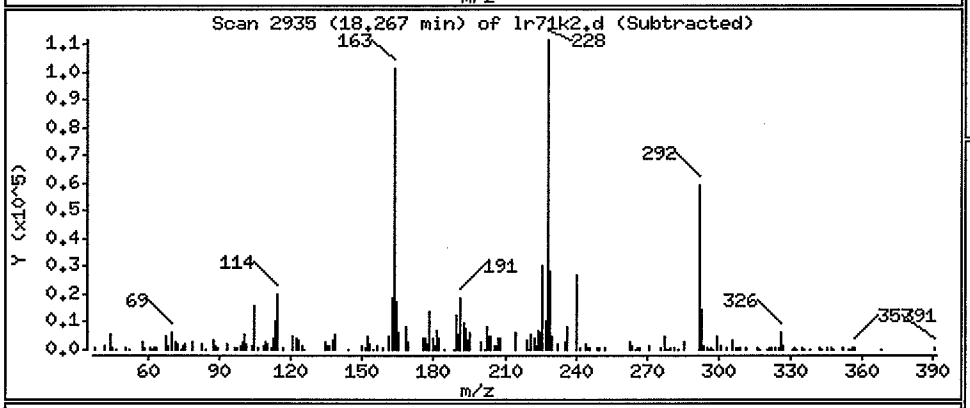
Column phase: ZB-5

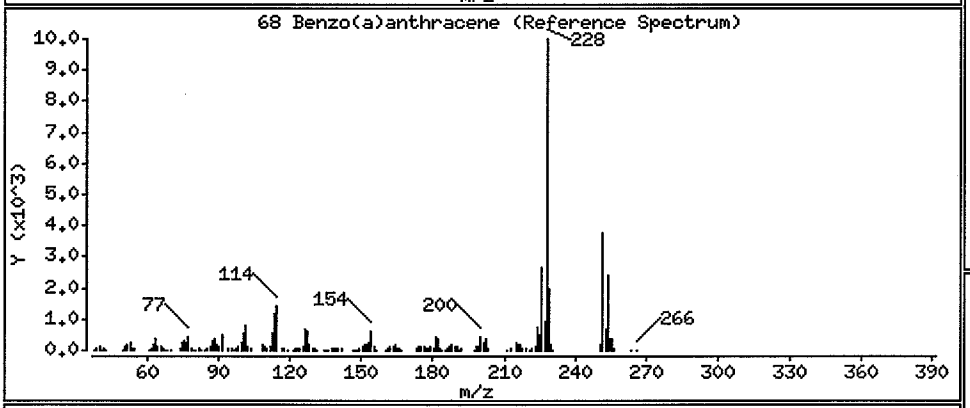
Column diameter: 0.32

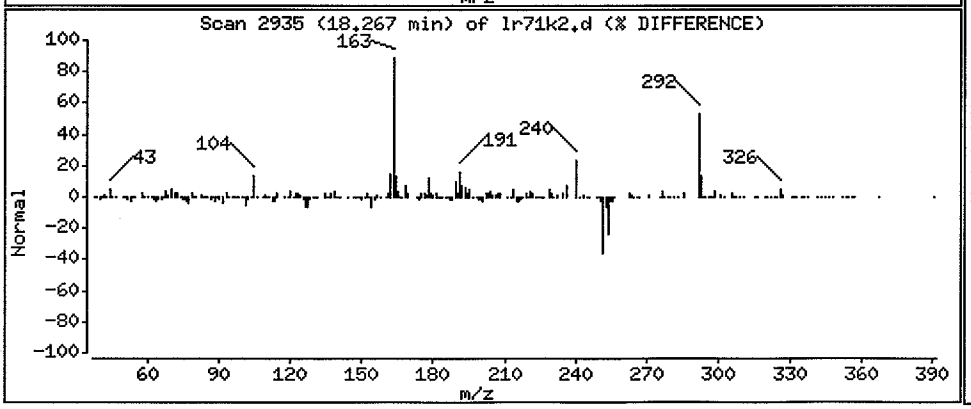
68 Benzo(a)anthracene

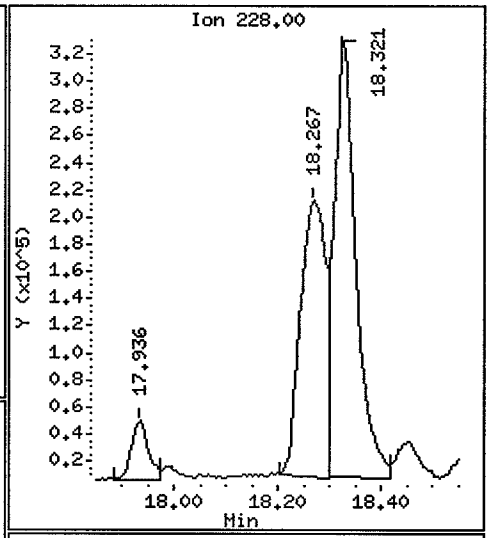
Concentration: 536.5 ug/Kg

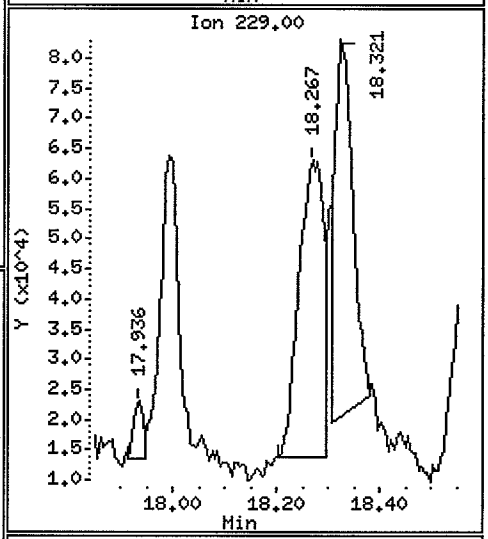


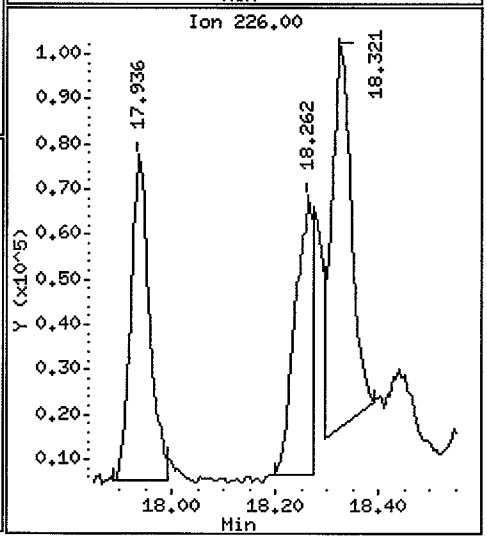












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

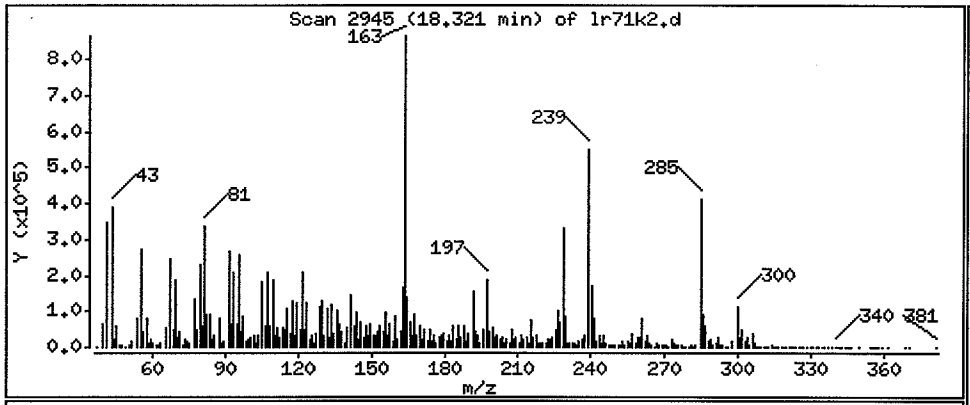
Operator: VTS

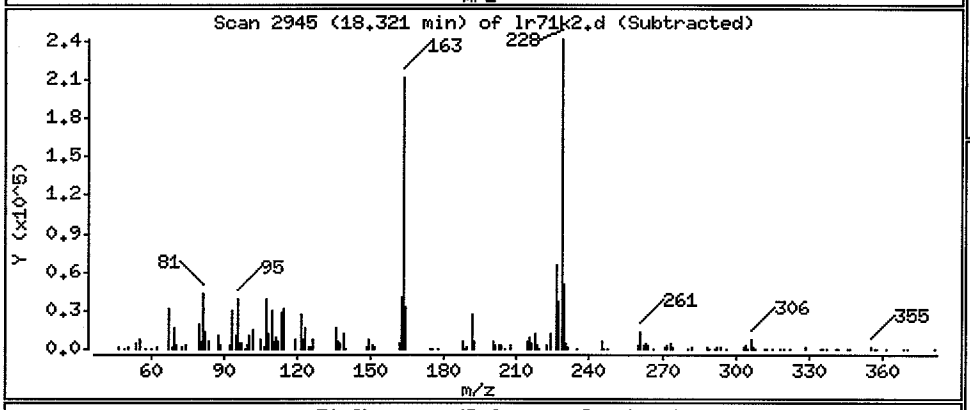
Column phase: ZB-5

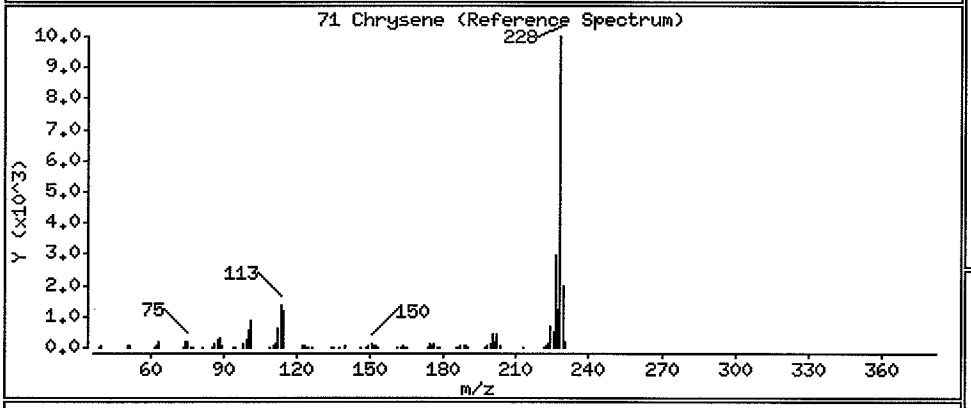
Column diameter: 0.32

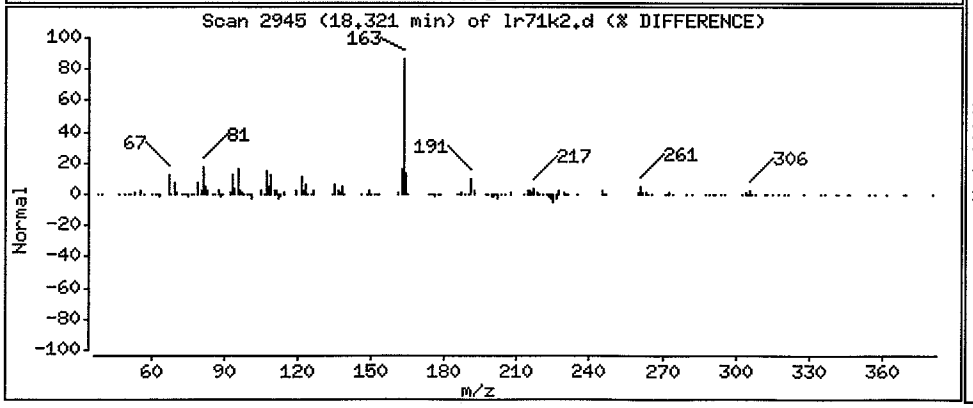
71 Chrysene

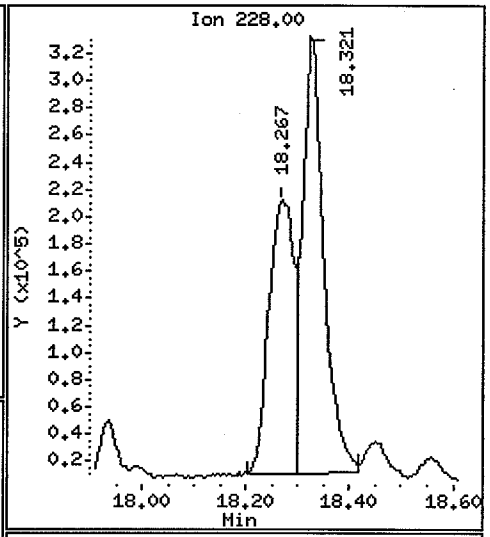
Concentration: 708.2 ug/Kg

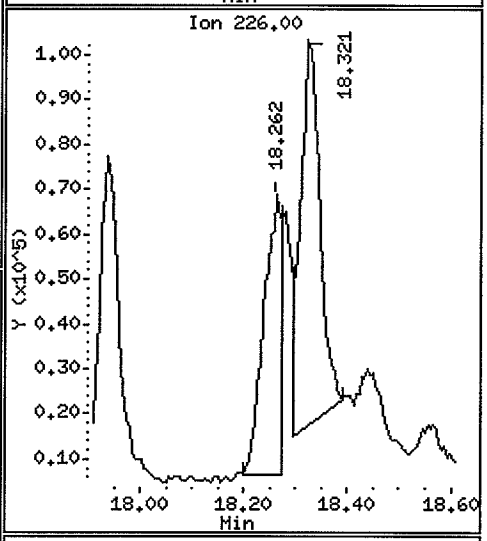


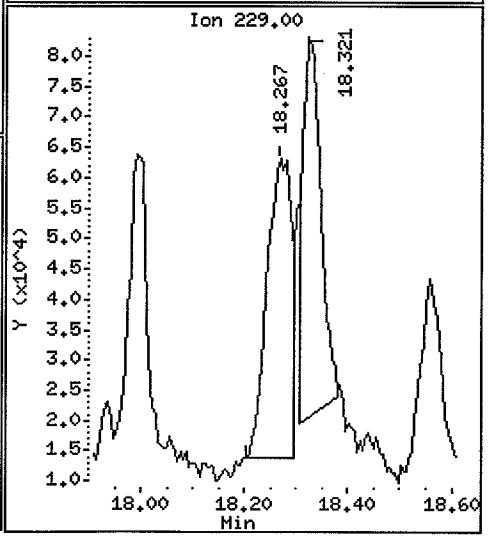












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

Operator: VTS

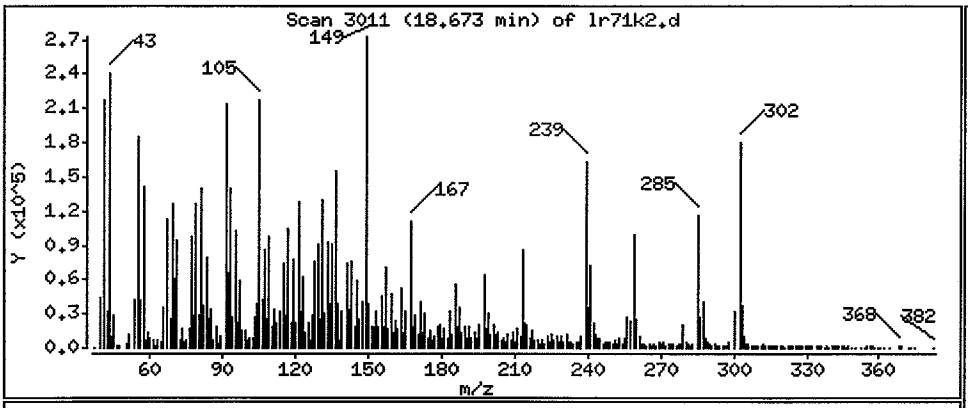
Column phase: ZB-5

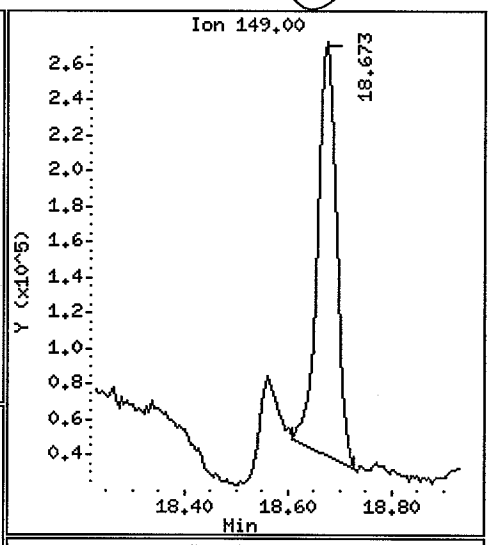
Column diameter: 0.32

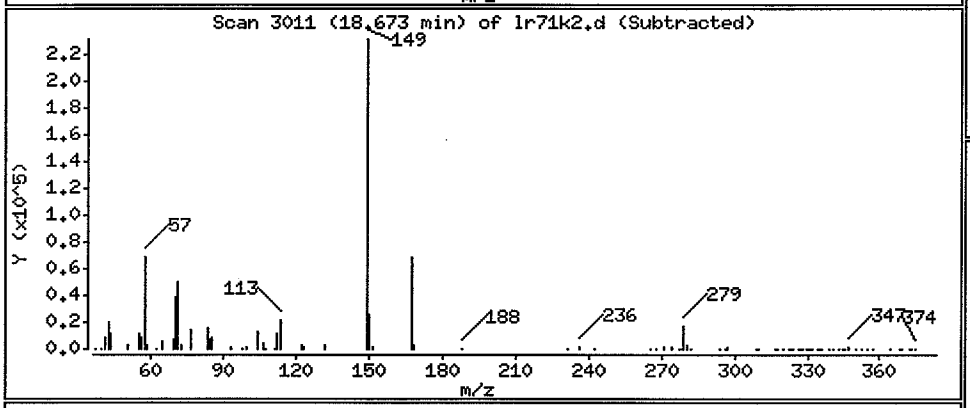
72 bis(2-Ethylhexyl)phthalate

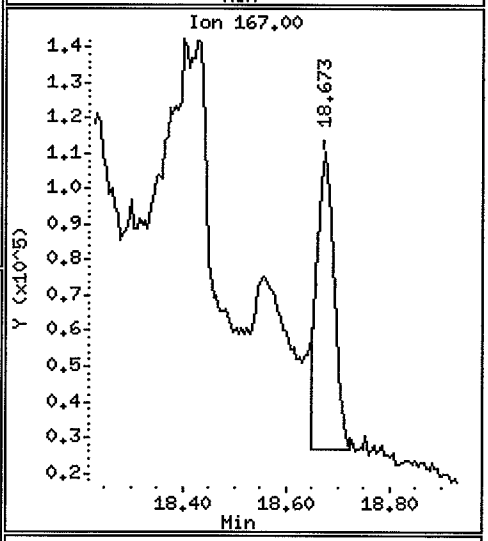
Concentration: 500.3 ug/Kg

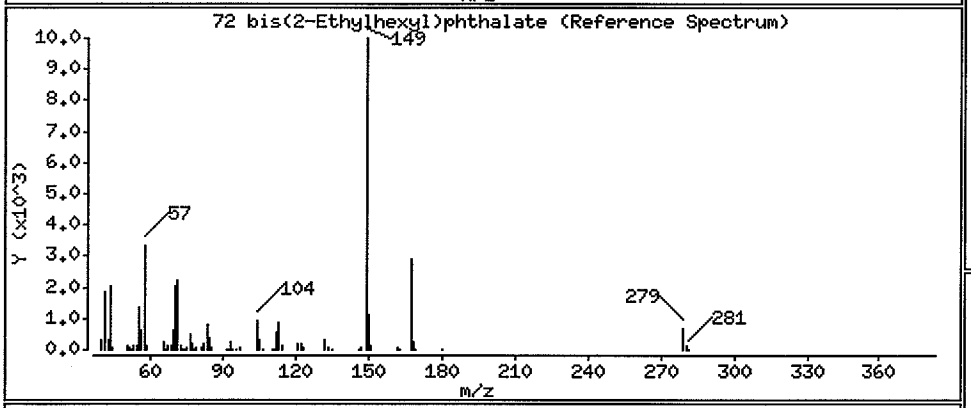
(B)

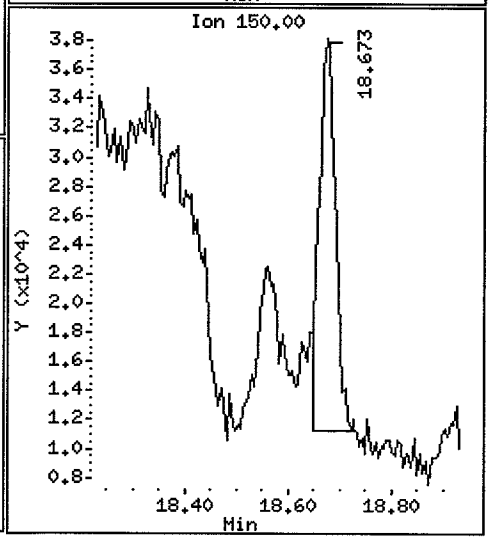


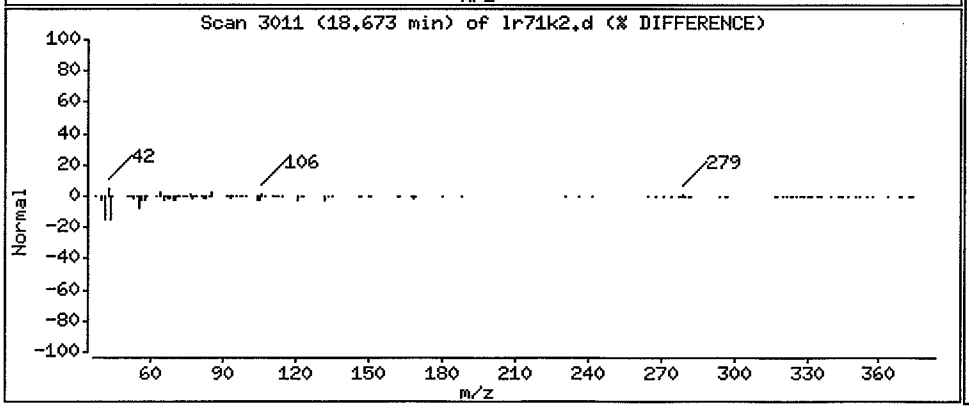












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

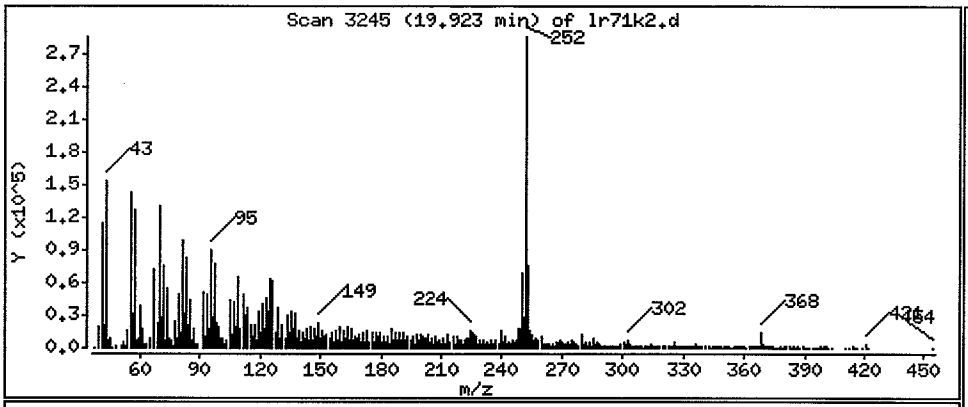
Operator: VTS

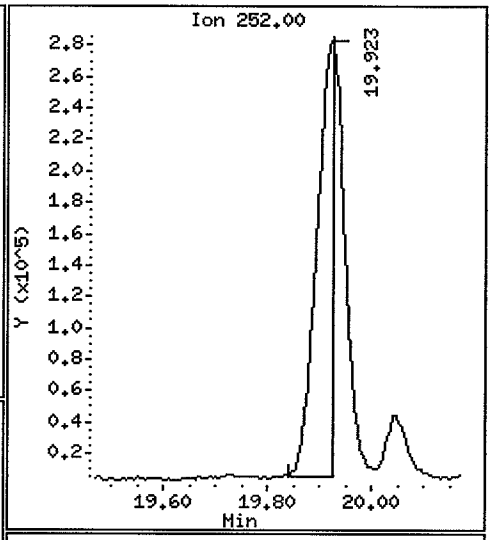
Column phase: ZB-5

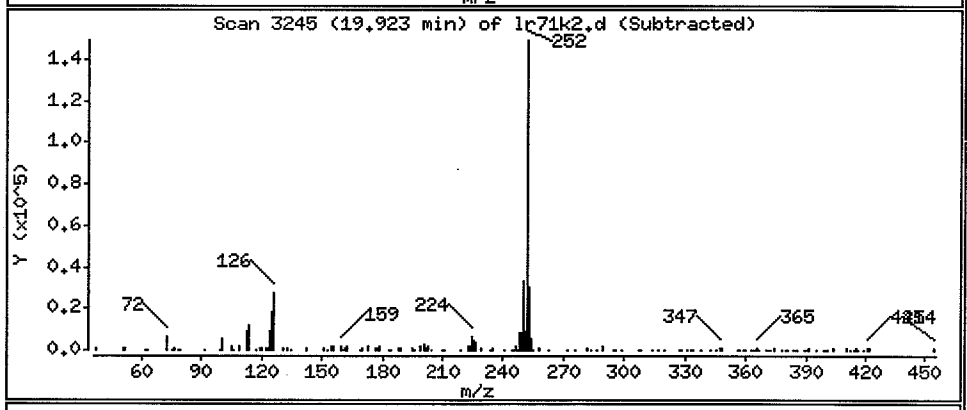
Column diameter: 0.32

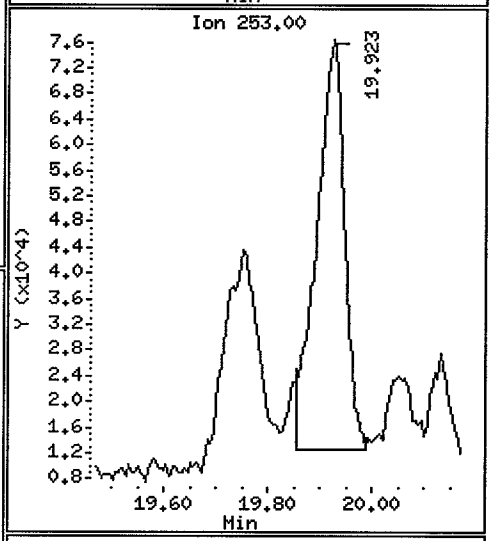
74 Benzo(b)fluoranthene

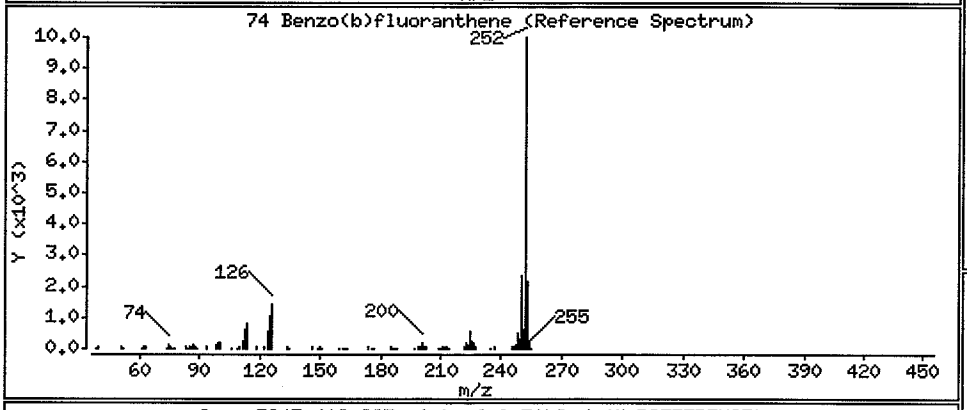
Concentration: 436.2 ug/Kg

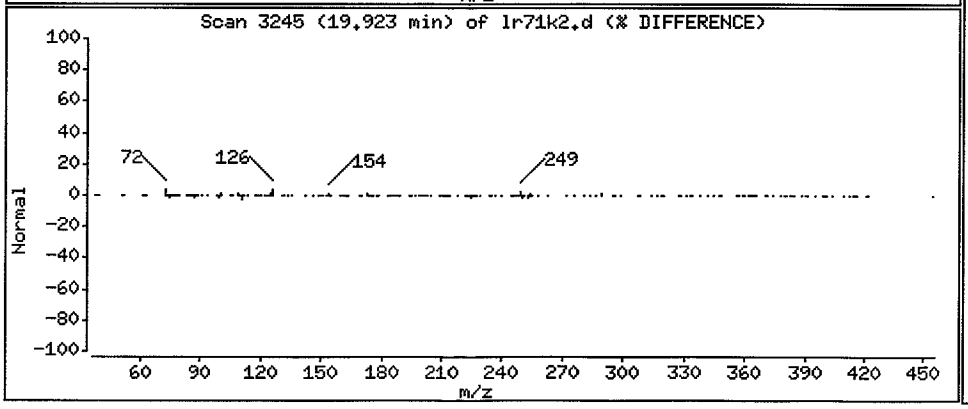


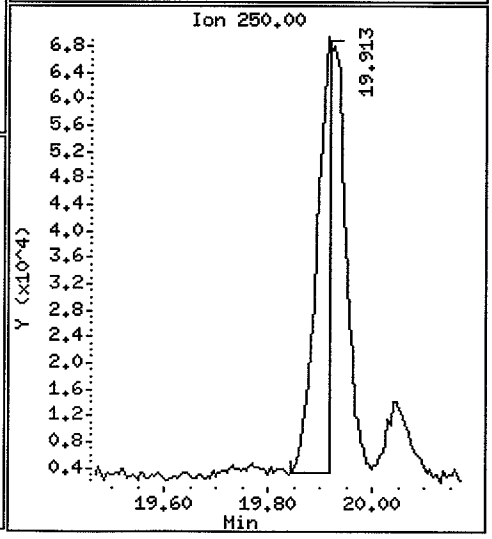












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

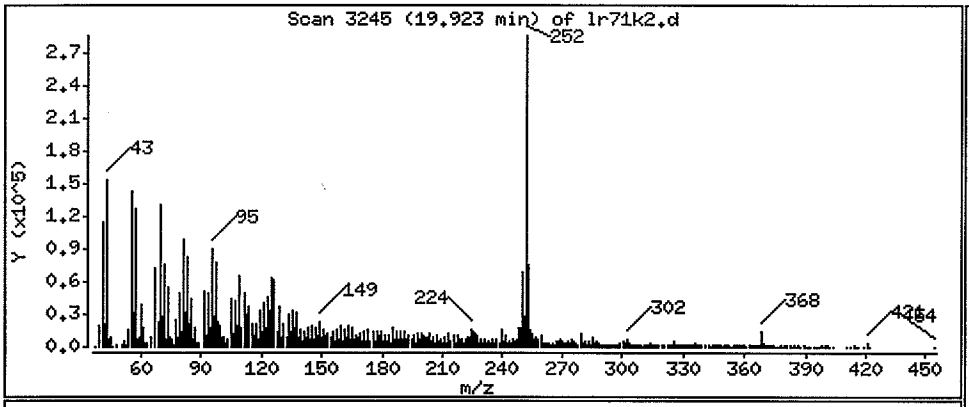
Operator: VTS

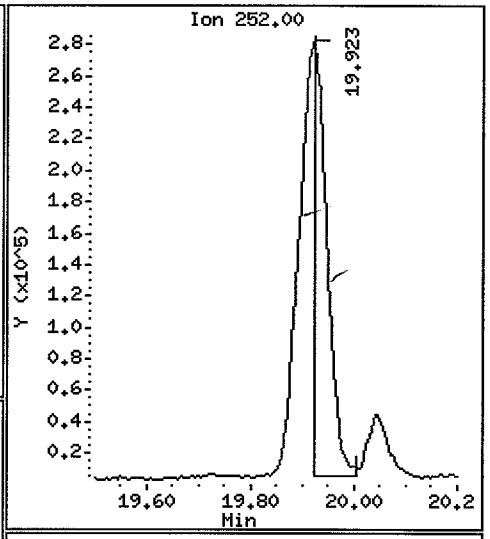
Column phase: ZB-5

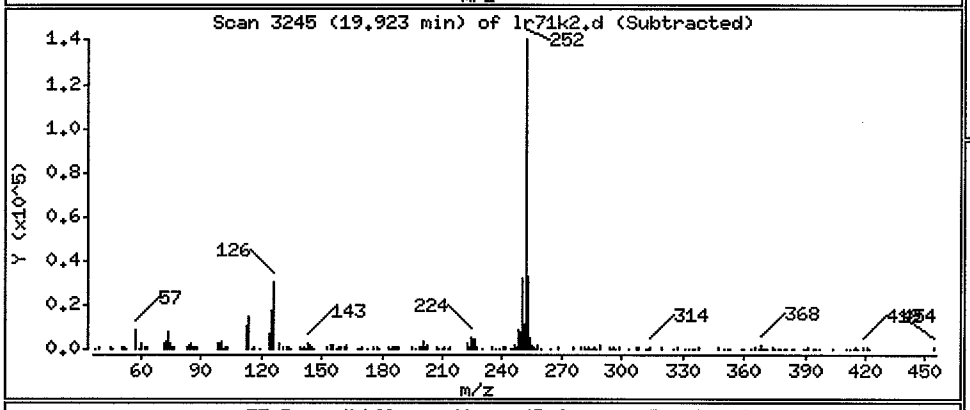
Column diameter: 0.32

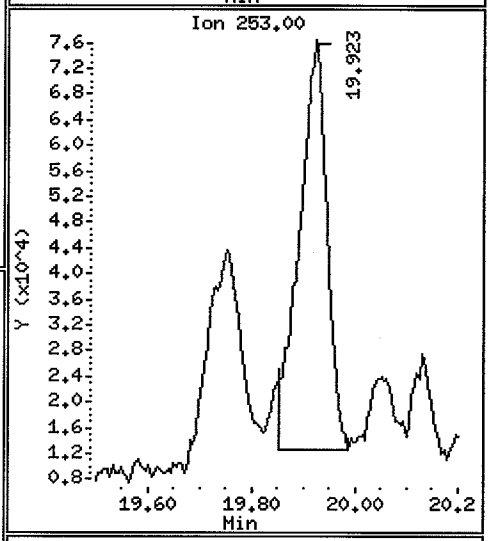
75 Benzo(k)fluoranthene

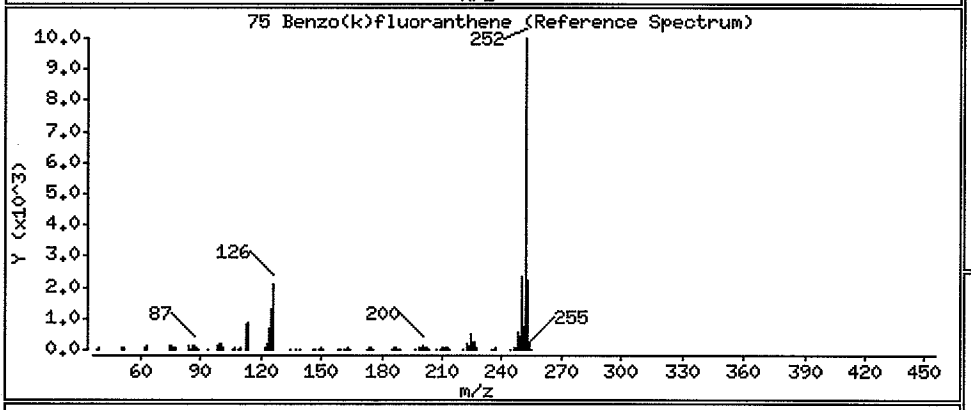
Concentration: 338.5 ug/Kg

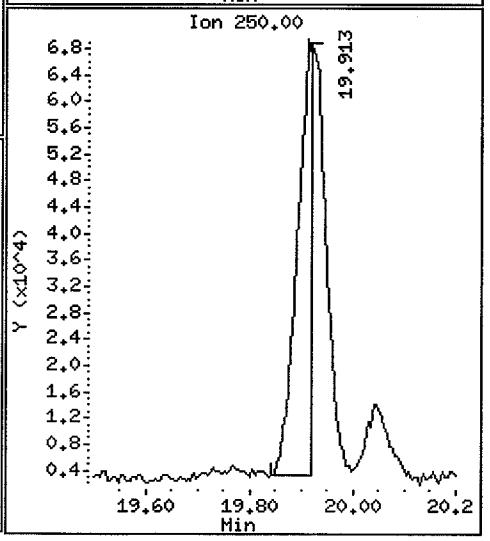


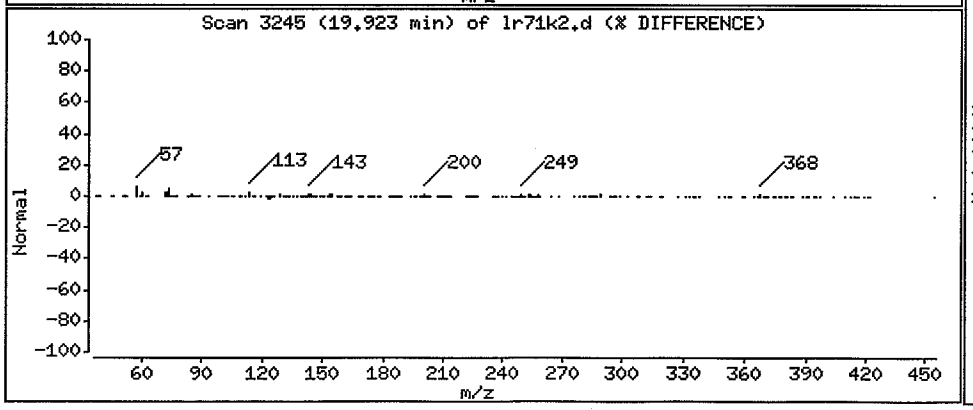












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

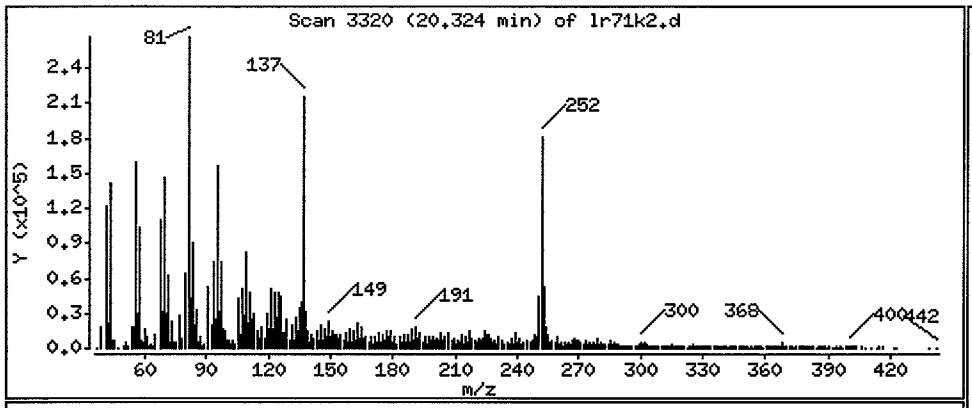
Operator: VTS

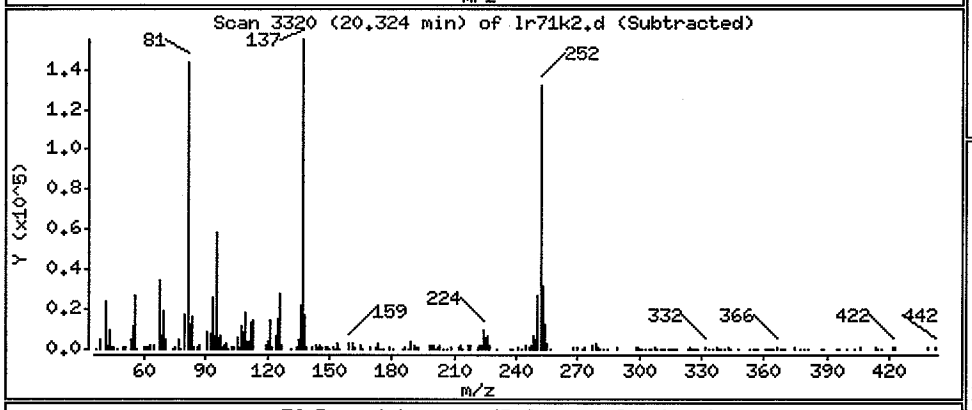
Column phase: ZB-5

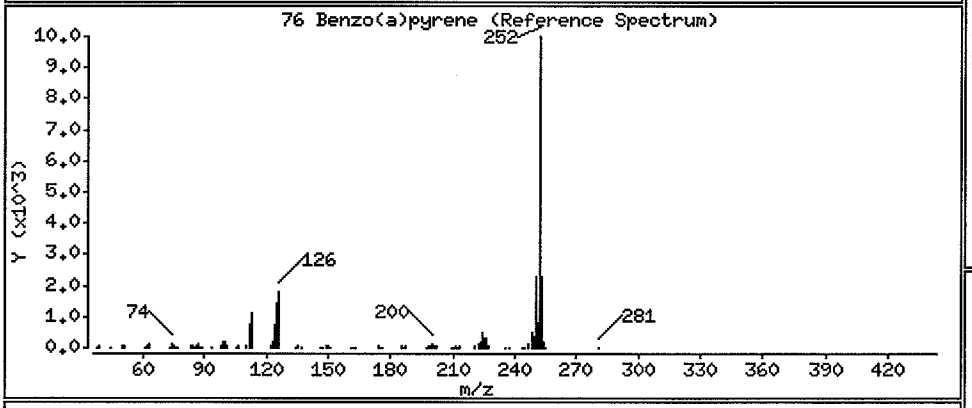
Column diameter: 0.32

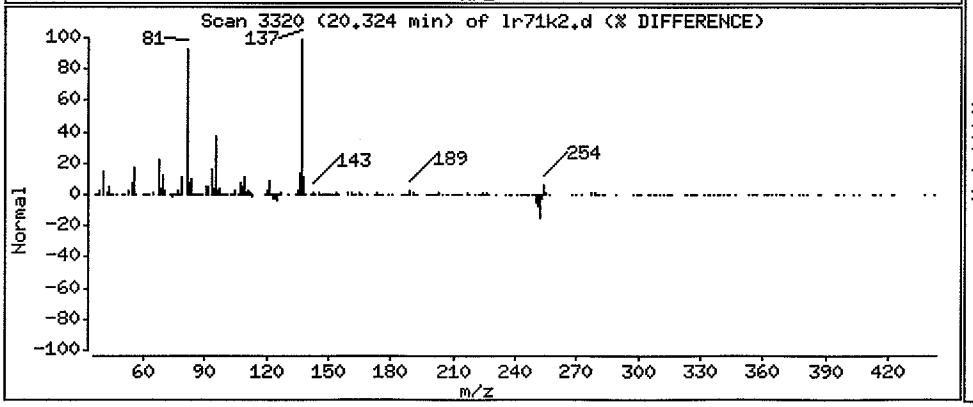
76 Benzo(a)pyrene

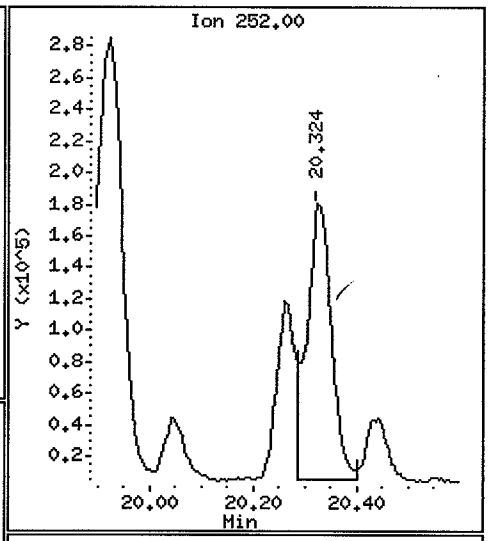
Concentration: 458.6 ug/Kg

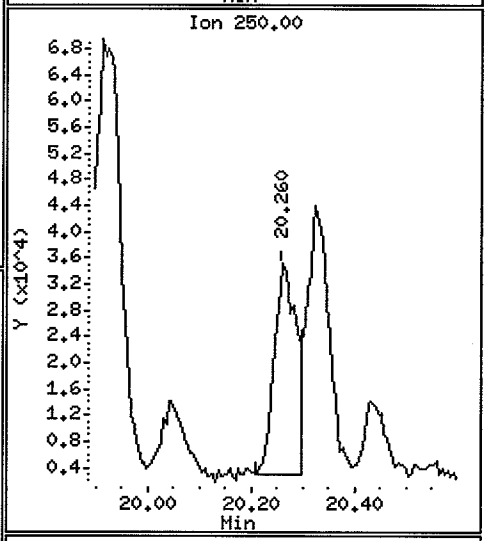


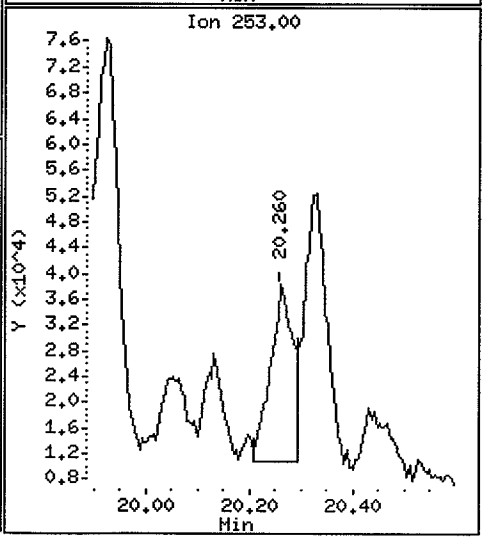












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

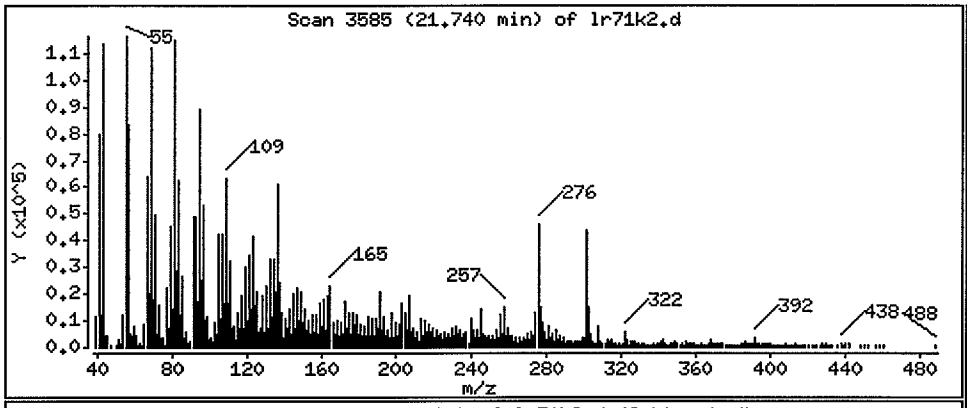
Operator: VTS

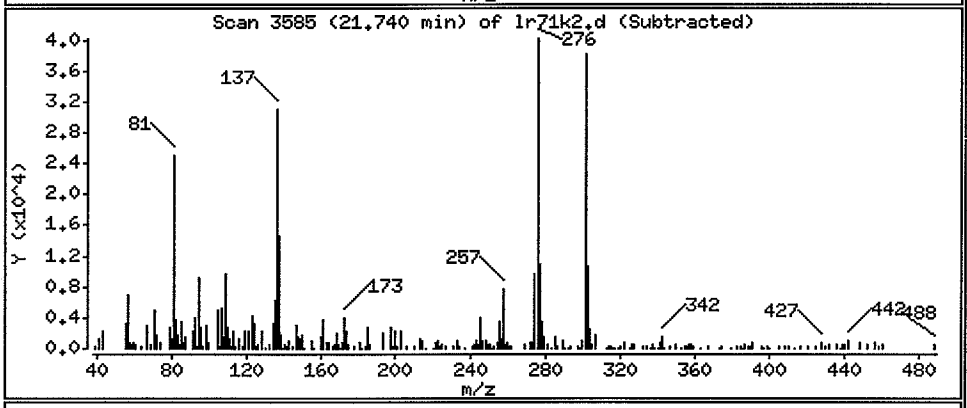
Column phase: ZB-5

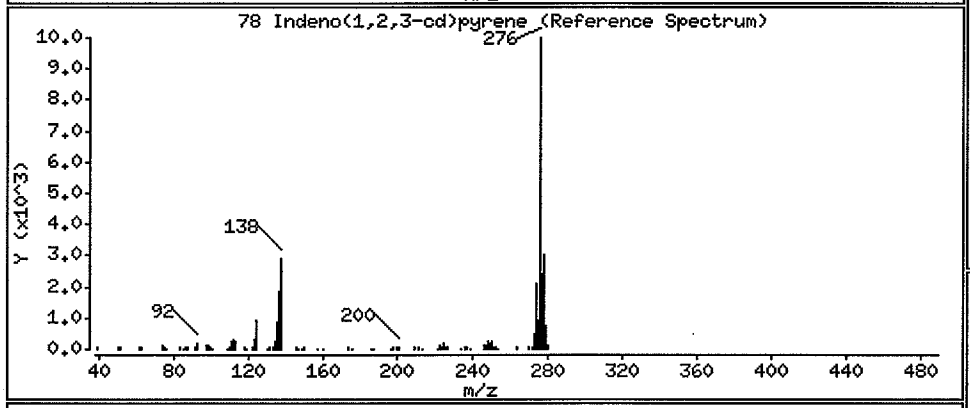
Column diameter: 0.32

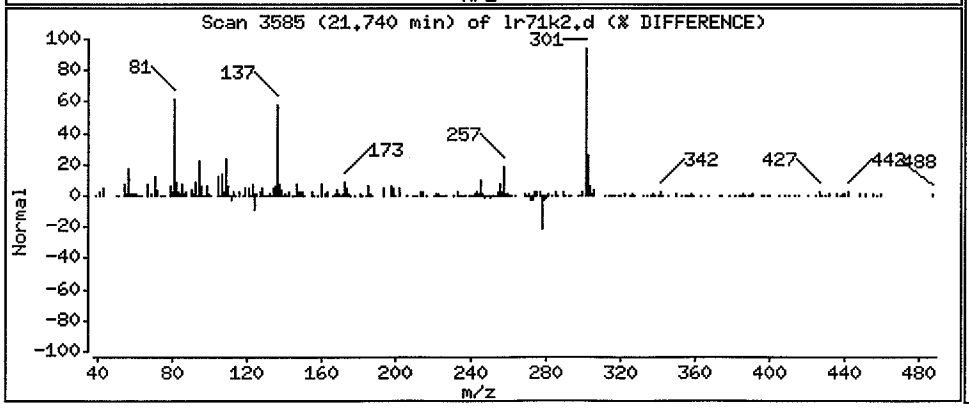
78 Indeno(1,2,3-cd)pyrene

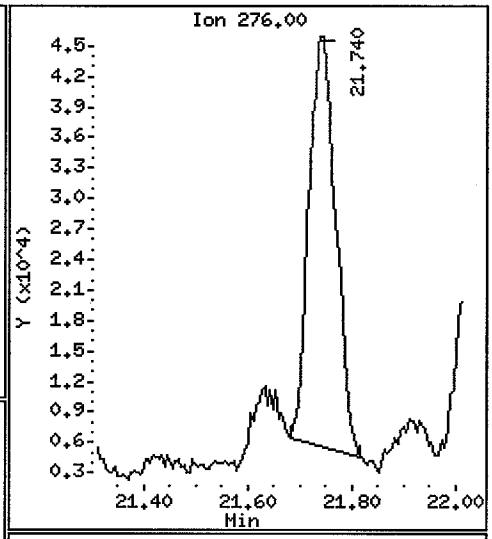
Concentration: 105.7 ug/Kg

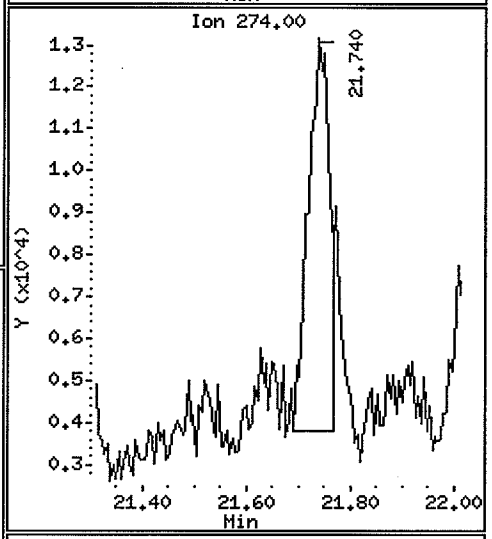


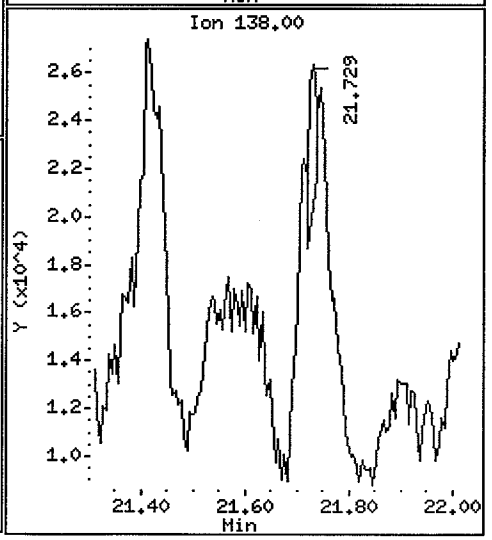












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

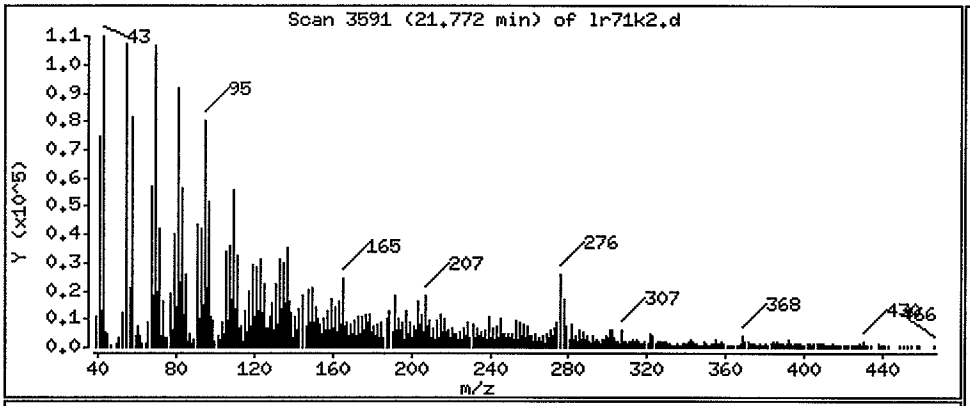
Operator: VTS

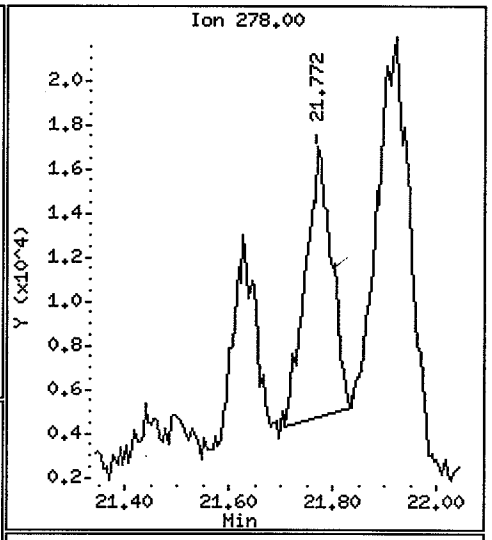
Column phase: ZB-5

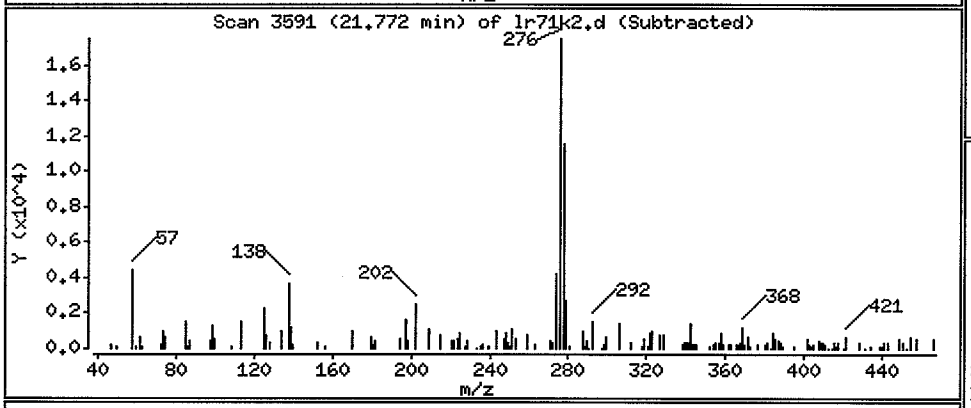
Column diameter: 0.32

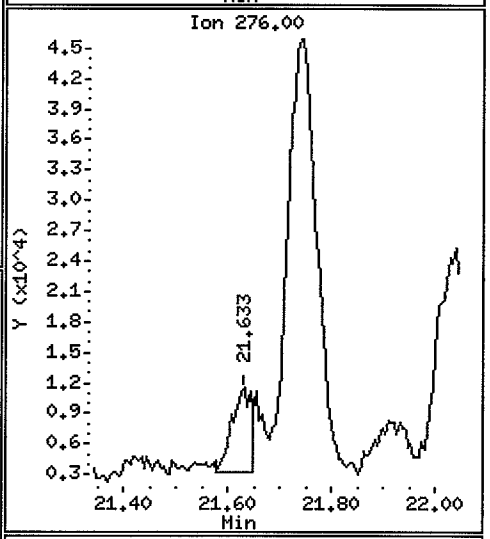
79 Dibenzo(a,h)anthracene

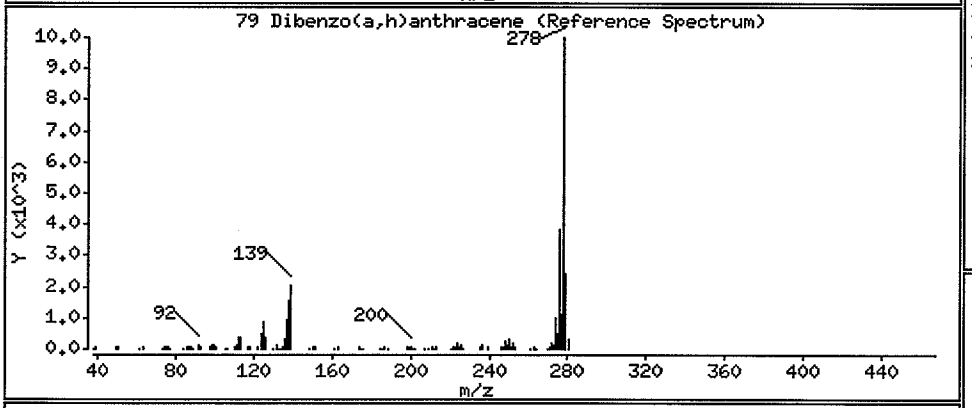
Concentration: 37.63 ug/Kg

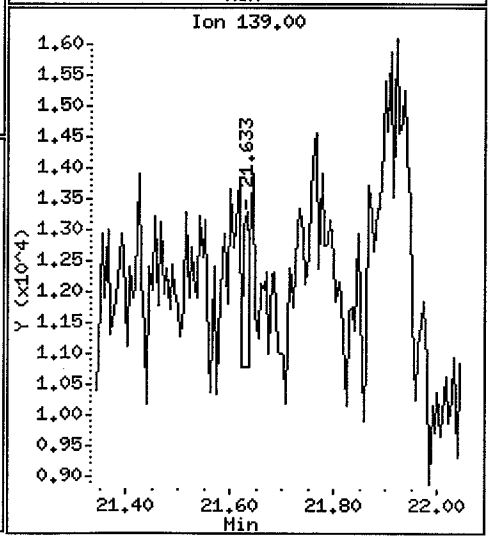


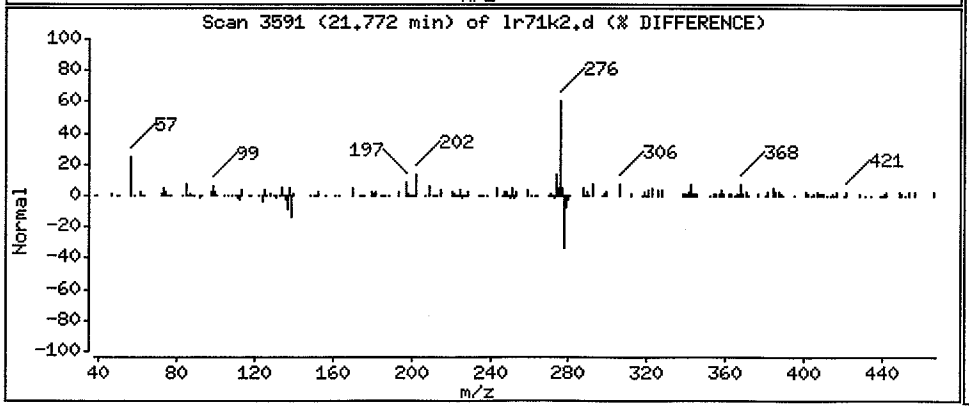












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

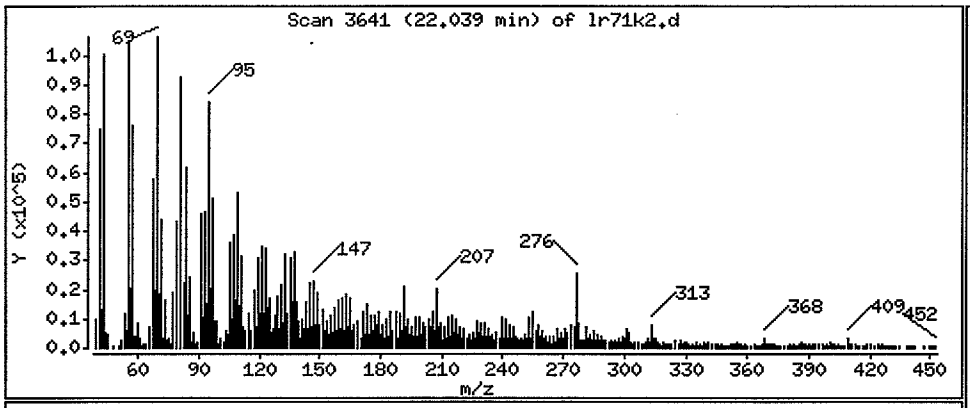
Operator: VTS

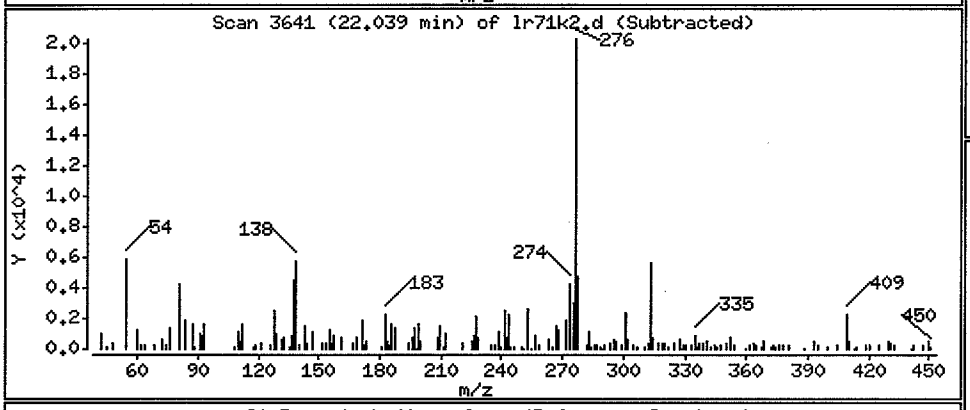
Column phase: ZB-5

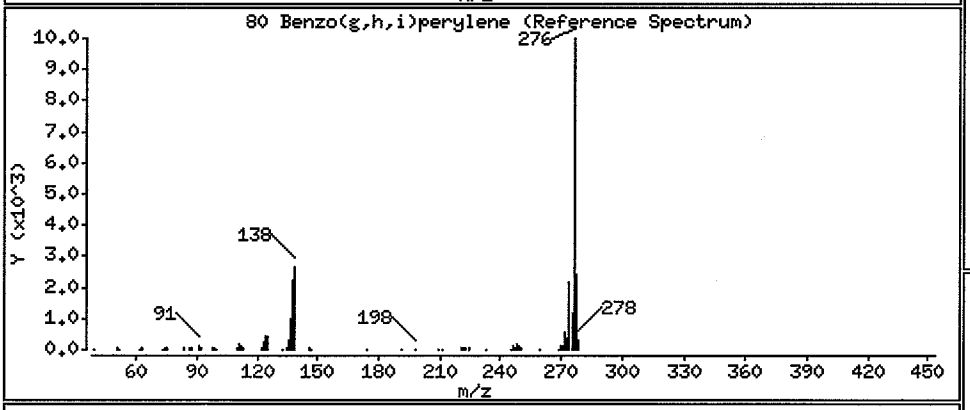
Column diameter: 0.32

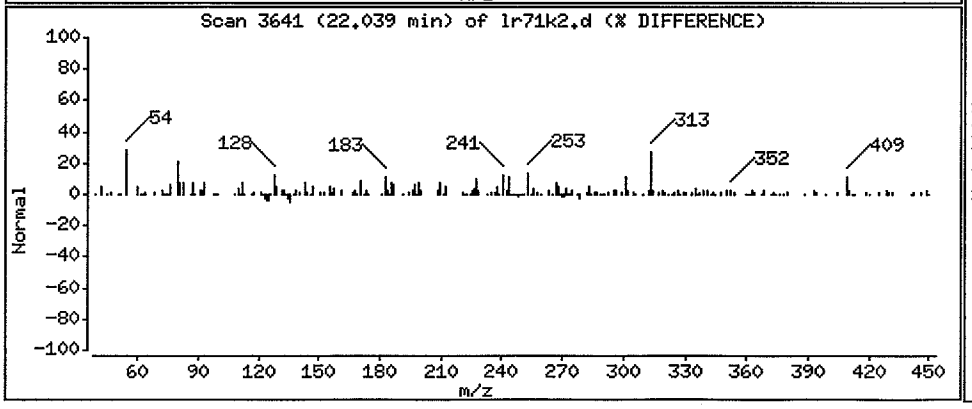
80 Benzo(g,h,i)perylene

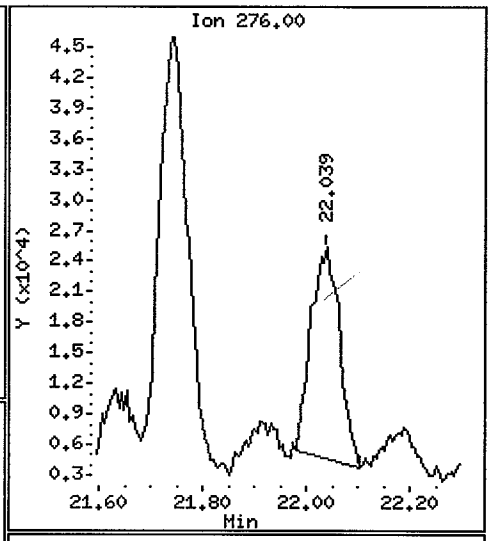
Concentration: 63.25 ug/Kg

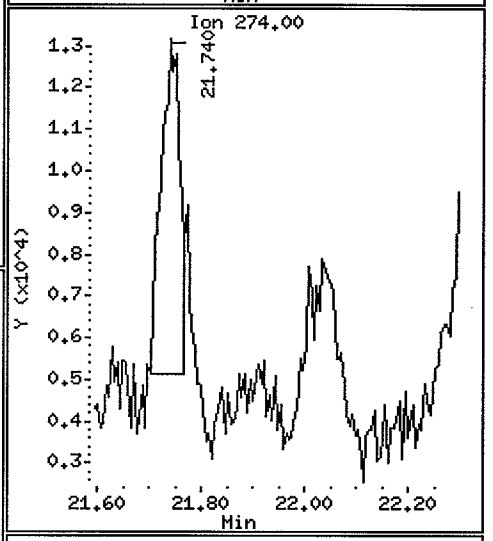


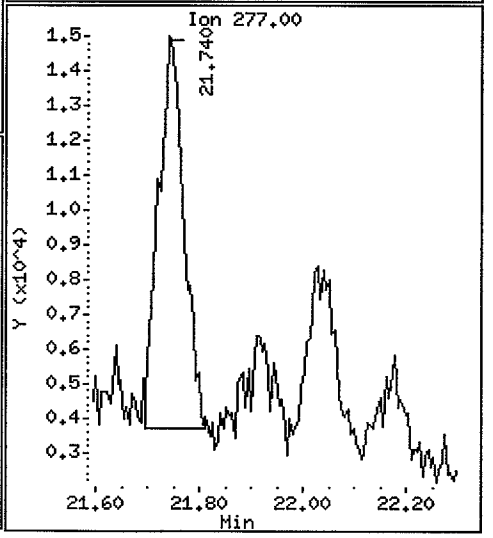












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

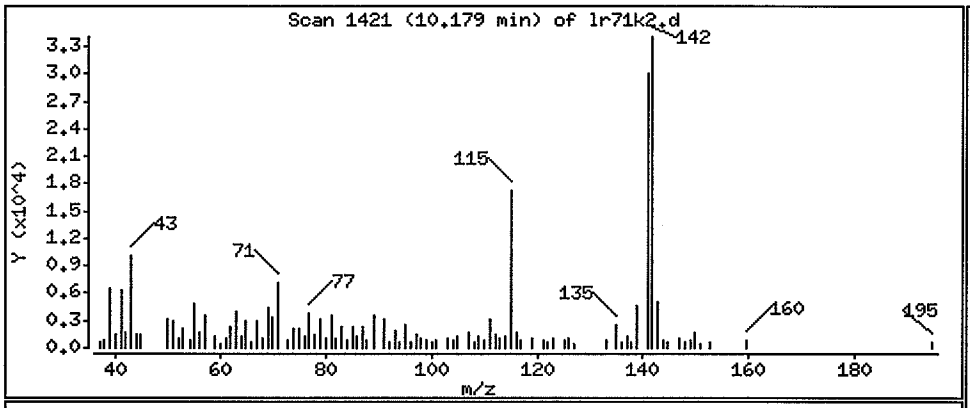
Operator: VTS

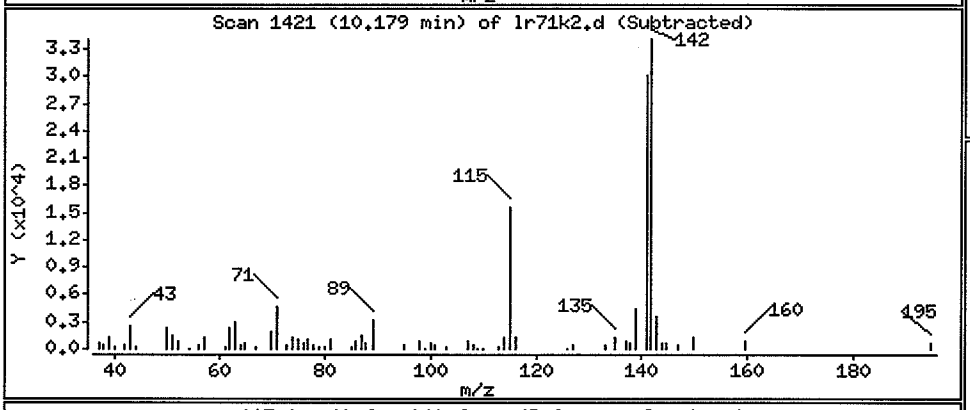
Column phase: ZB-5

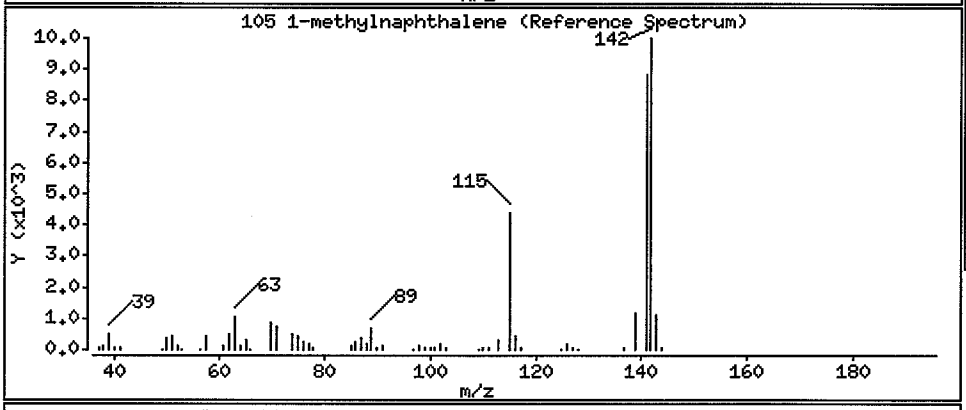
Column diameter: 0.32

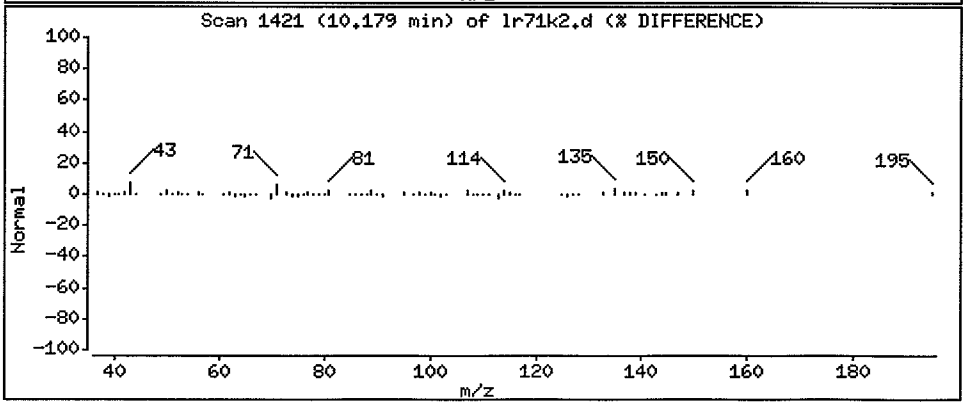
105 1-methylnaphthalene

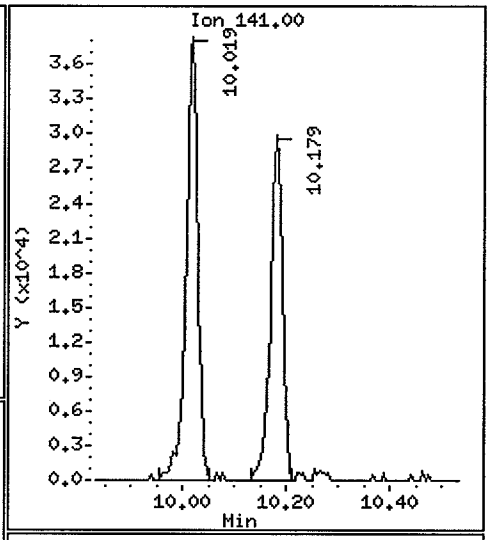
Concentration: 52.84 ug/Kg

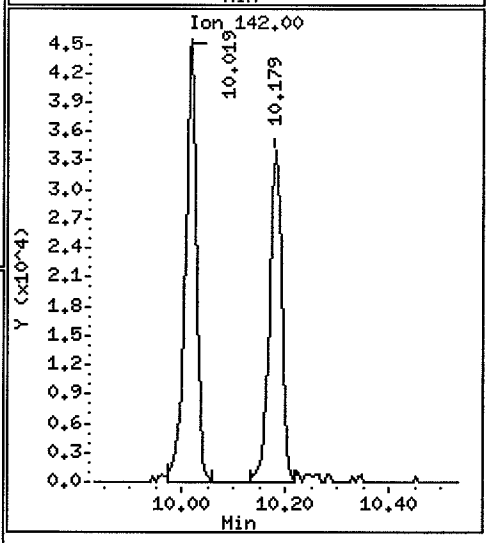




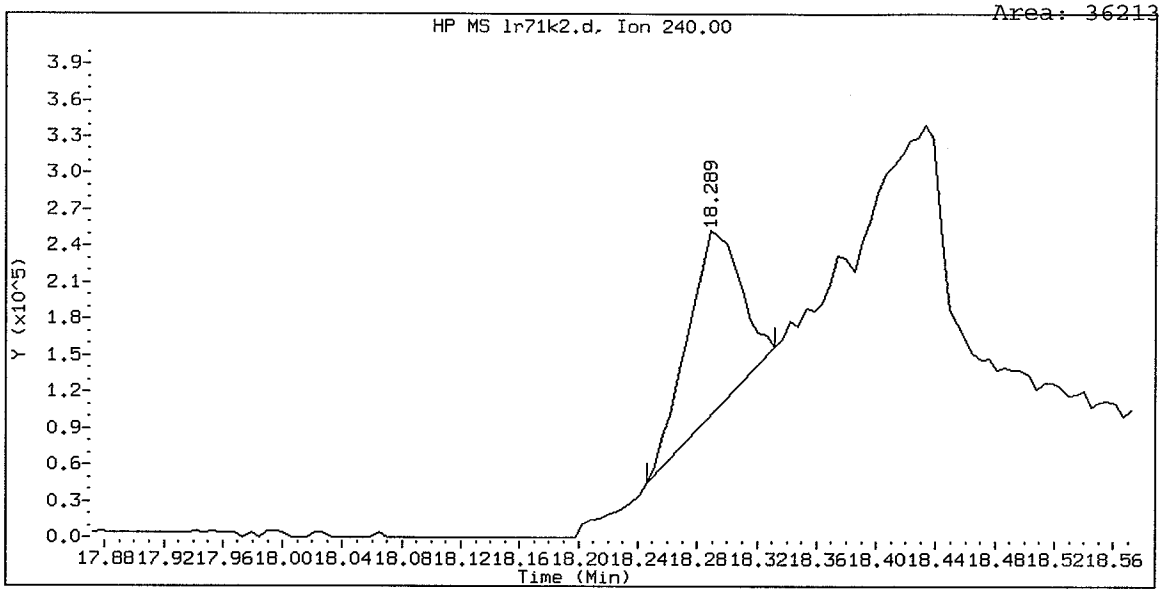


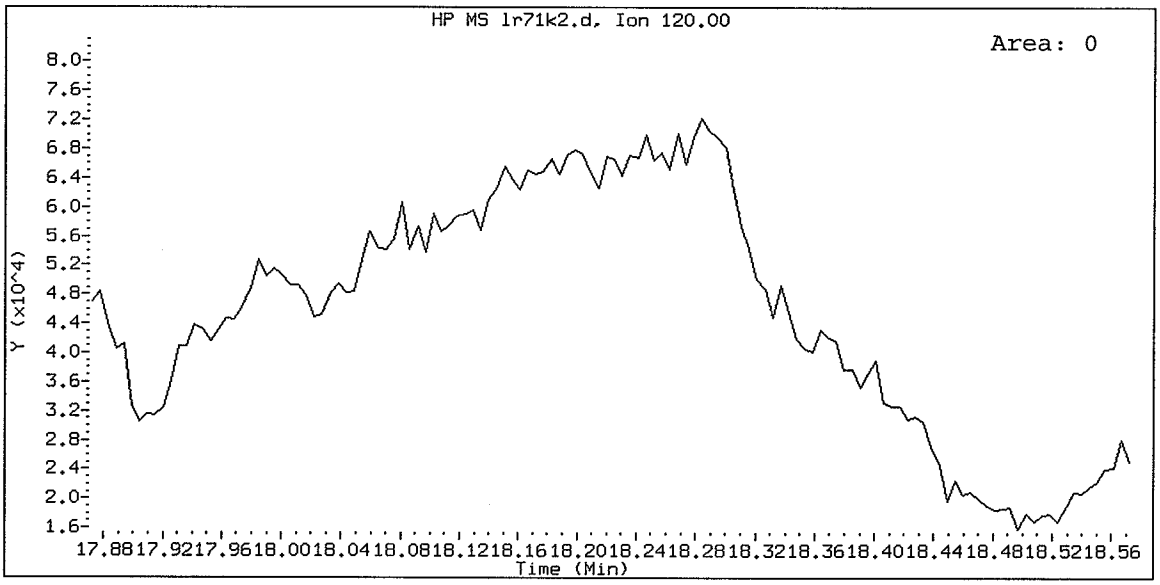


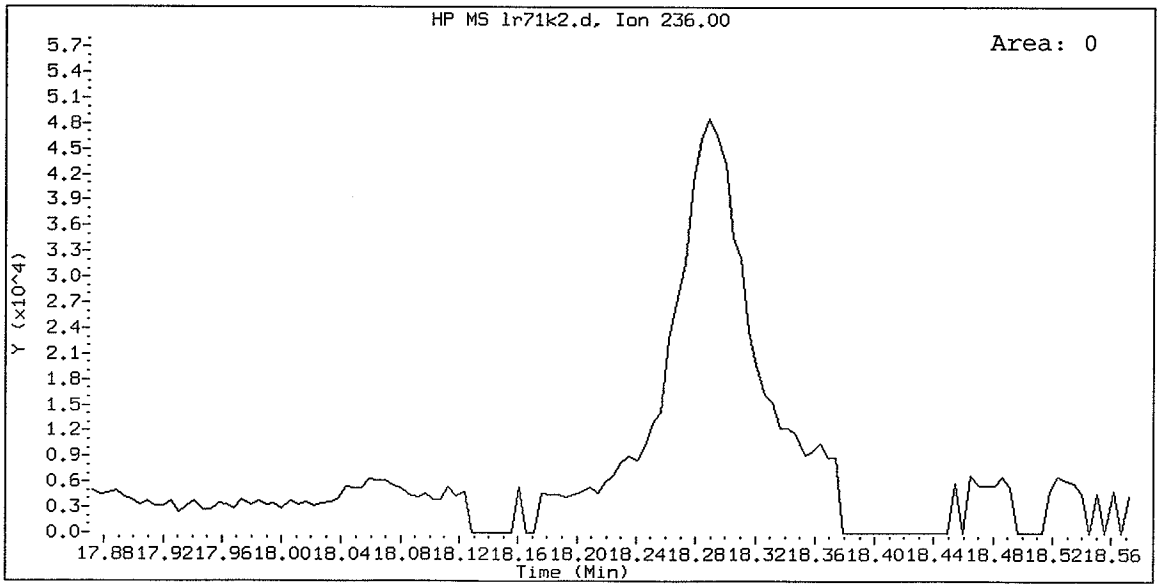




LR71KRE, /chem3/nt4.i/20071101.b/lr71k2.d
Chrysene-d12 Amount: 20.00







Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

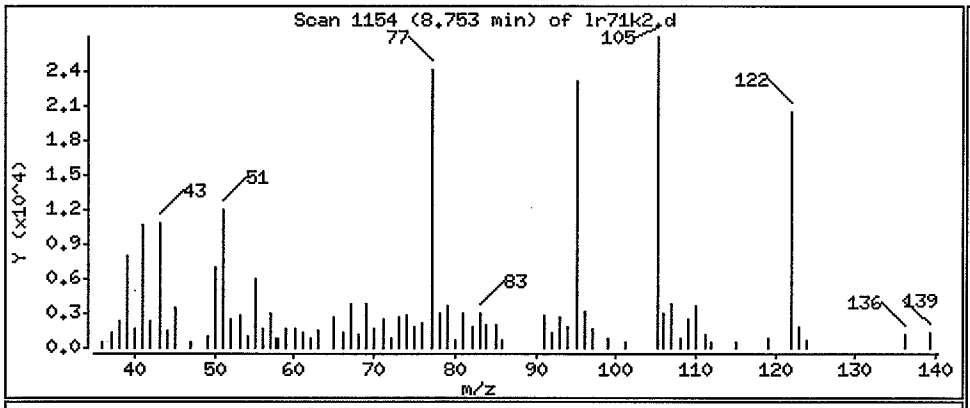
Operator: VTS

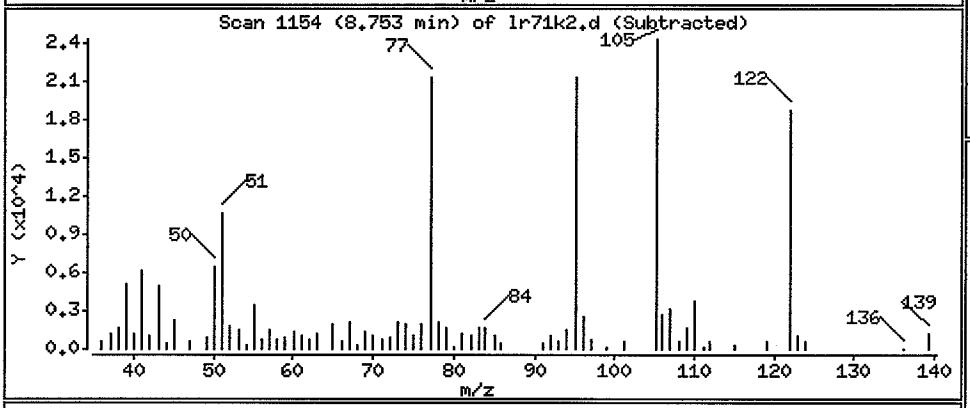
Column phase: ZB-5

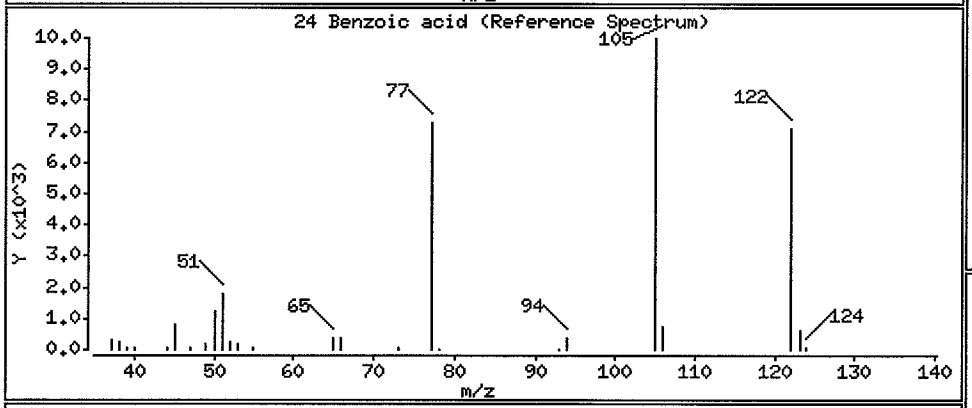
Column diameter: 0.32

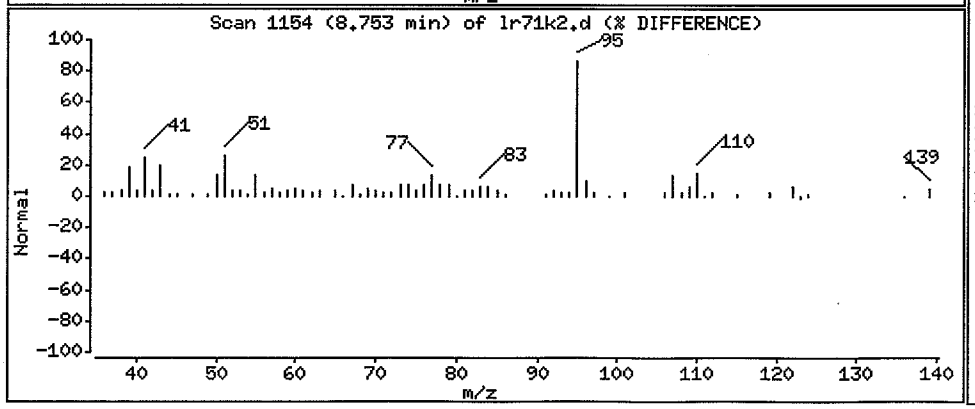
24 Benzoic acid

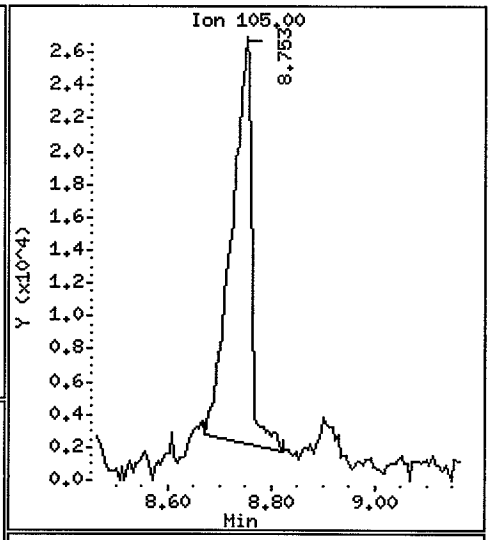
Concentration: 142.9 ug/Kg

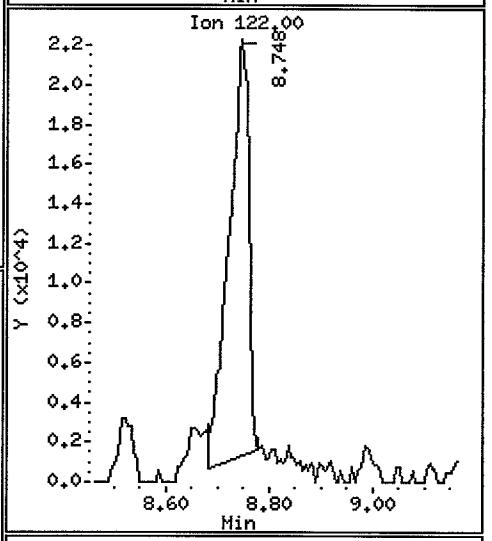


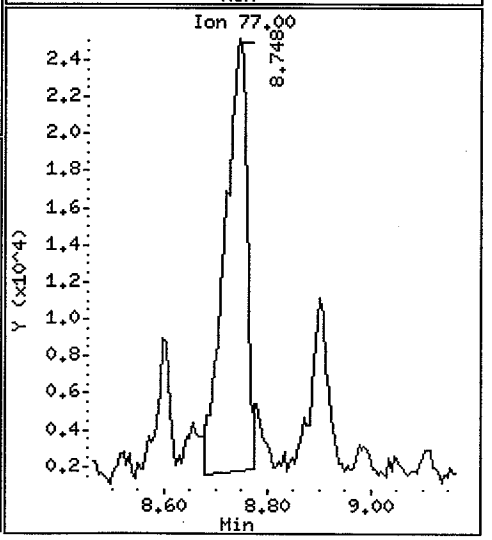












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

Operator: VTS

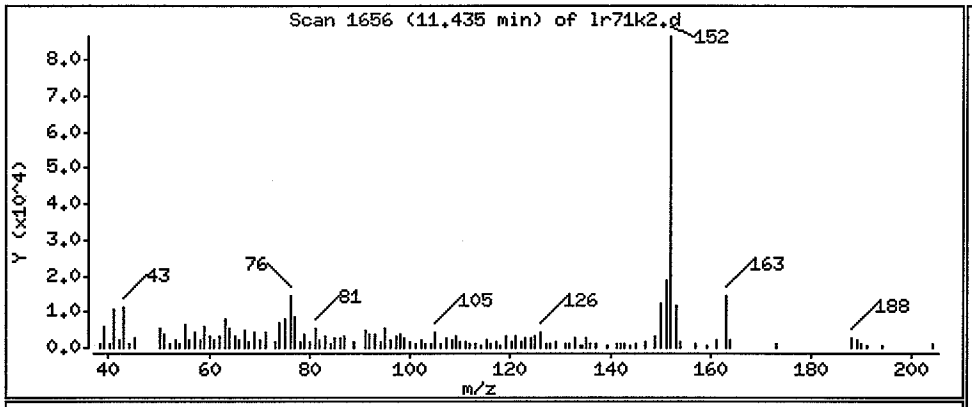
Column phase: ZB-5

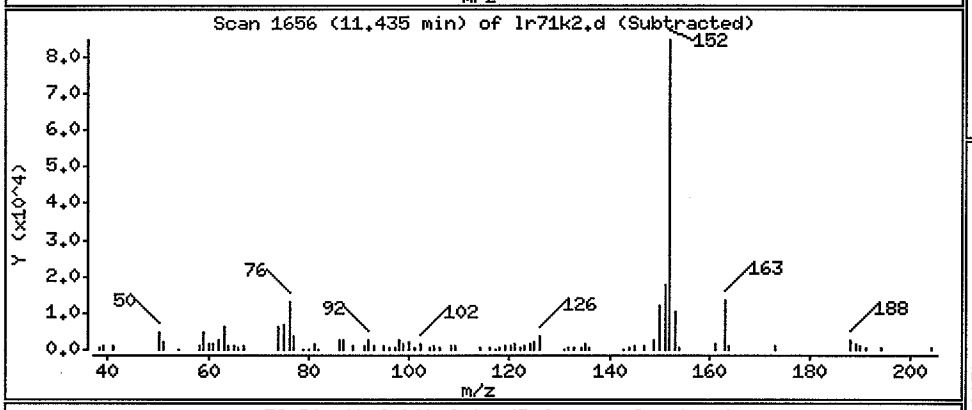
Column diameter: 0.32

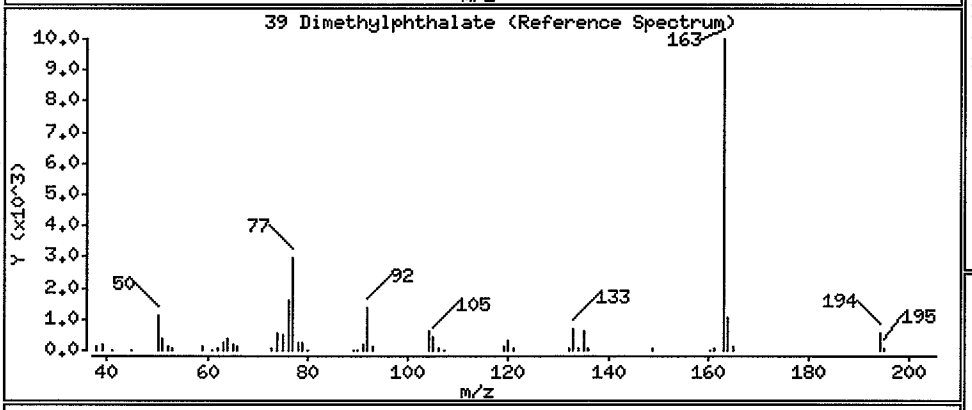
39 Dimethylphthalate

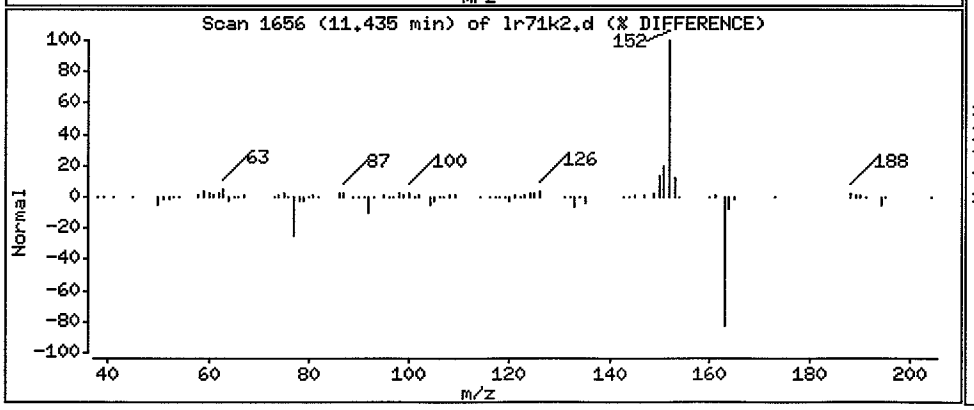
Concentration: 16.90 ug/Kg

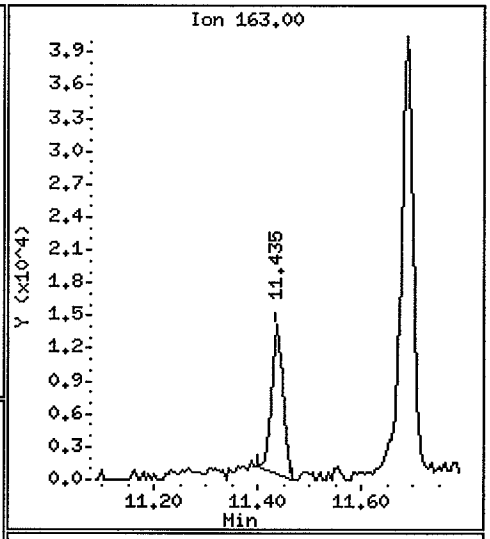
CRL

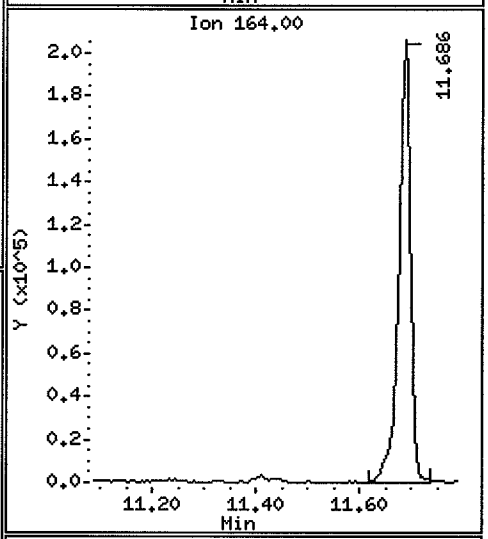


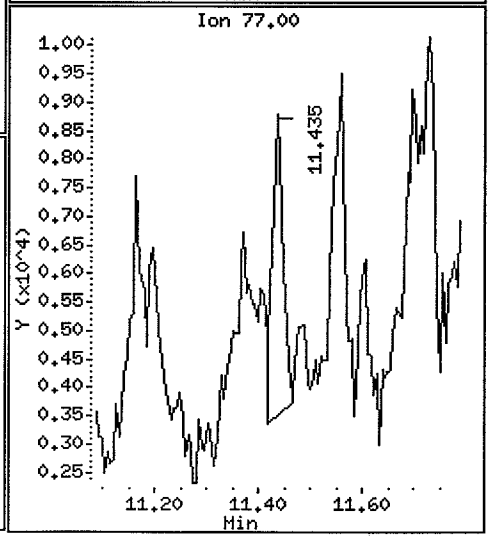












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

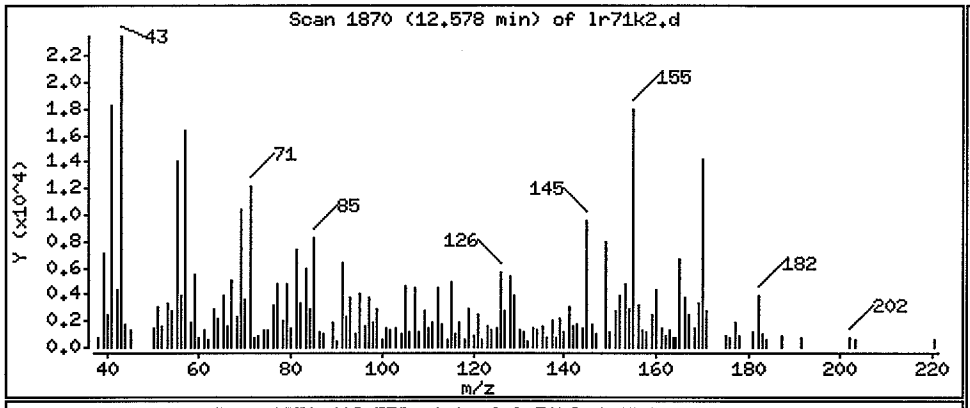
Operator: VTS

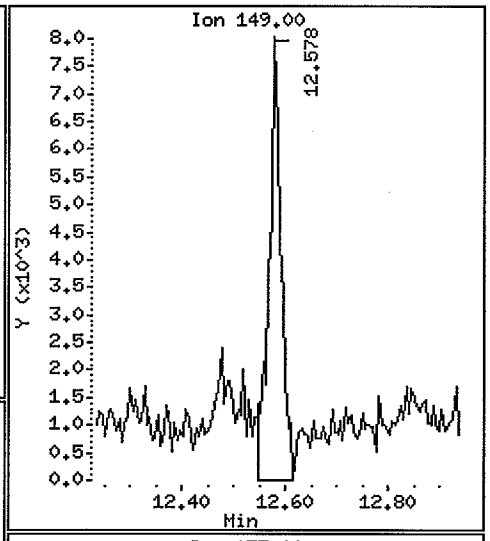
Column phase: ZB-5

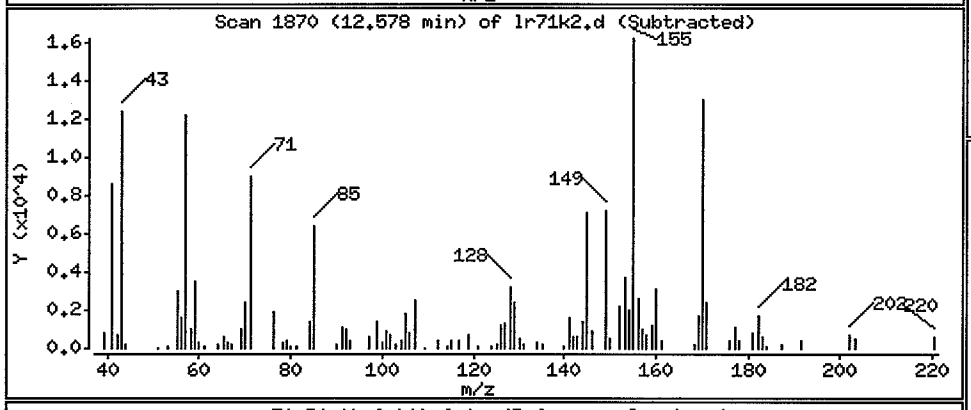
Column diameter: 0.32

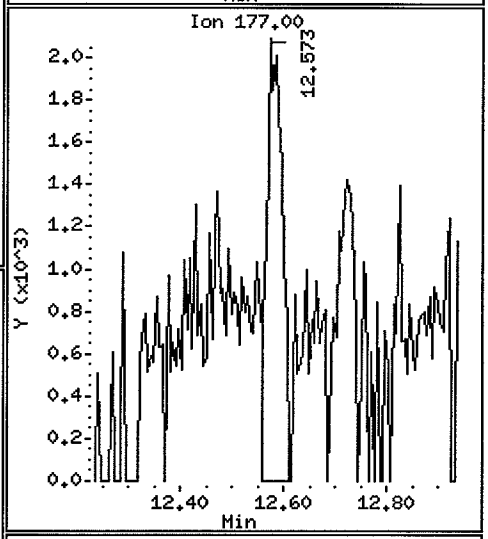
50 Diethylphthalate

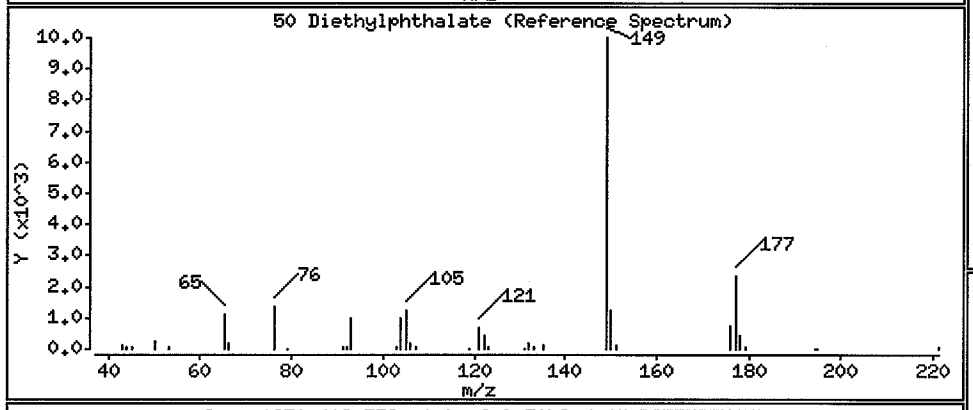
Concentration: 11.20 ug/Kg

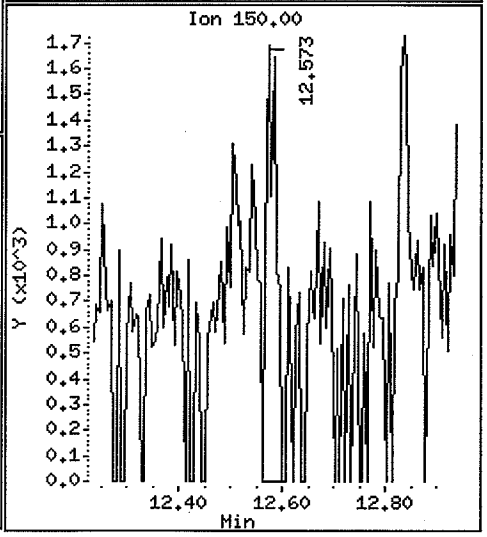


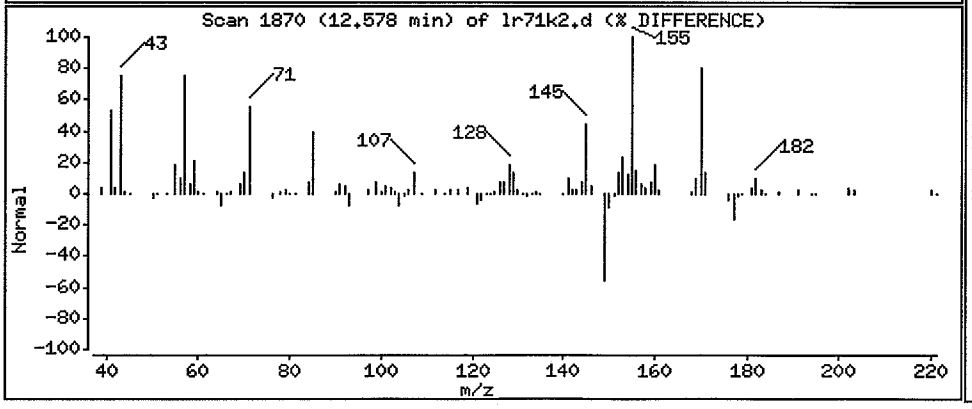












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

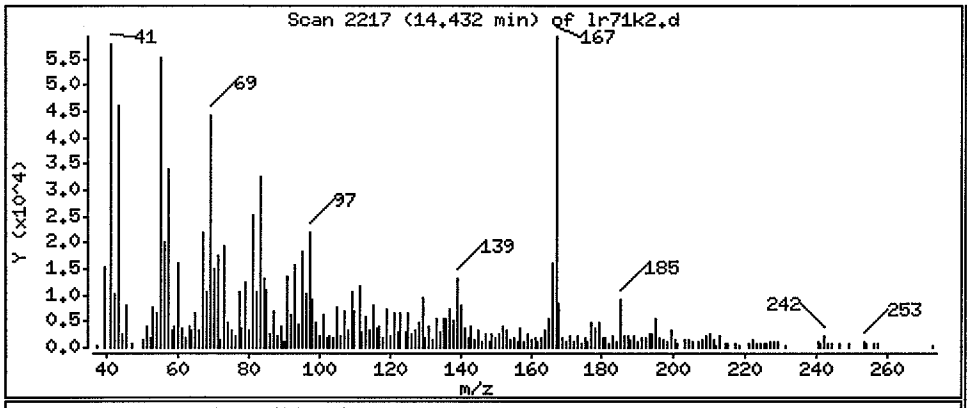
Operator: VTS

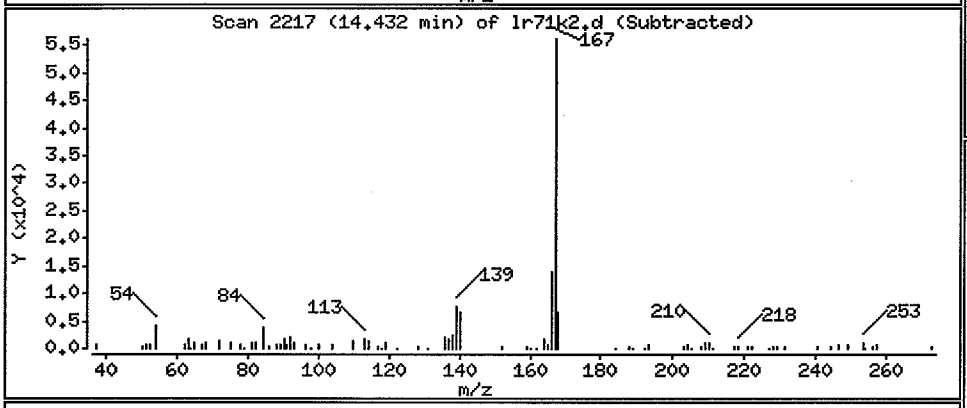
Column phase: ZB-5

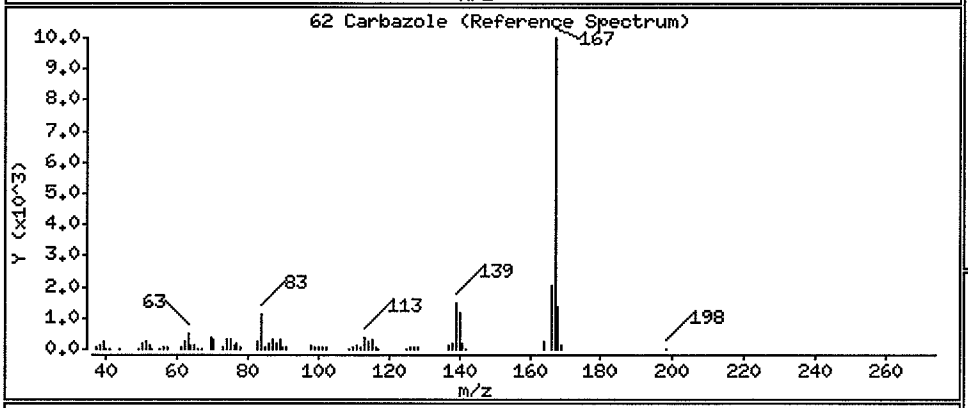
Column diameter: 0.32

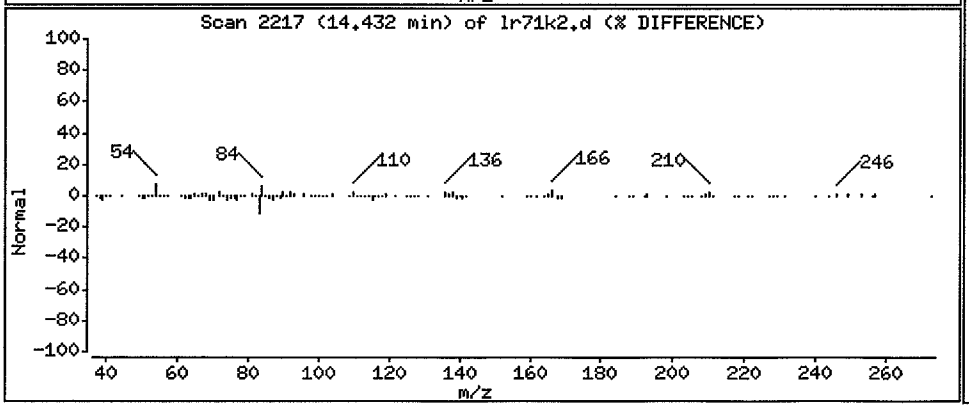
62 Carbazole

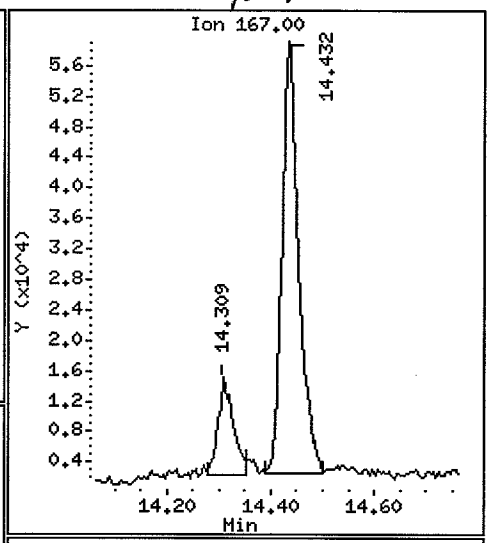
Concentration: 81.75 ug/Kg

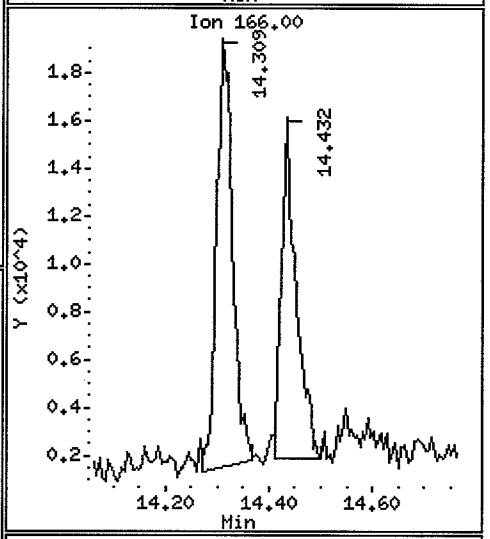


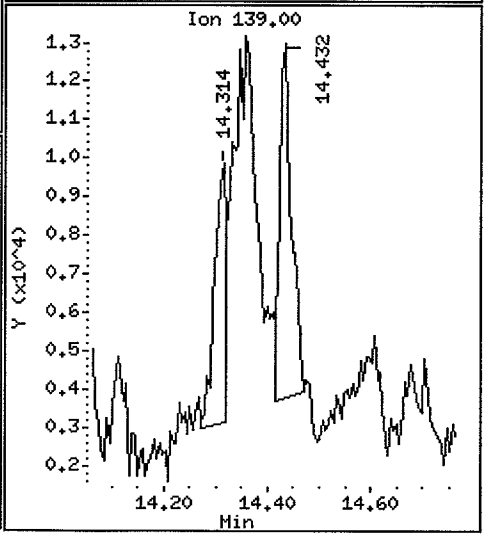












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-09
SAMPLE

Lab Sample ID: LR71L
LIMS ID: 07-20777
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 21:25
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.1 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 34.1%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	**Naphthalene**	**20**	**22**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	**2-Methylnaphthalene**	**20**	**66**
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	**Dibenzofuran**	**20**	**28**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**24**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	**Phenanthrene**	**20**	**98**
120-12-7	**Anthracene**	**20**	**35**
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**460**
129-00-0	**Pyrene**	**20**	**300**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**100**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**220**
218-01-9	**Chrysene**	**20**	**270**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**190**
207-08-9	**Benzo(k)fluoranthene**	**20**	**120**
50-32-8	**Benzo(a)pyrene**	**20**	**83**
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-09**
 SAMPLE

Lab Sample ID: LR71L
LIMS ID: 07-20777
Matrix: Sediment
Date Analyzed: 10/18/07 21:25

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	42

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	50.0%	2-Fluorobiphenyl	49.6%
d14-p-Terphenyl	60.4%	d4-1,2-Dichlorobenzene	45.2%
d5-Phenol	53.1%	2-Fluorophenol	60.8%
2,4,6-Tribromophenol	65.1%	d4-2-Chlorophenol	53.9%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071018.b/lr71l.d
Lab Smp Id: LR71L Client Smp ID: AN-SS-09
Inj Date : 18-OCT-2007 21:25
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71L
Misc Info : 07-20777
Comment : 1ul Injection
Method : /chem1/nt6.i/20071018.b/SW846.m
Meth Date : 25-Oct-2007 16:26 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 20
Dil Factor: 1.00000
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	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	76.00000	Weight of sample extracted (g)
M	34.10000	% 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	5.965	5.917	(0.754)	326595	22.8001	455.2
$	2 Phenol-d5	99	7.509	7.488	(0.949)	363822	19.6827	397.0
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	7.610	7.600	(0.962)	246223	20.2033	403.4
	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	7.910	7.904	(1.000)	194381	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	8.214	8.204	(1.038)	103636	11.3399	226.4
	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	8.684	8.674	(1.098)	7419	0.54350 LDL	10.85
$	18	Nitrobenzene-d5	82	8.850	8.845	(0.887)	250826	12.4644	248.9
	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	9.972	9.961	(1.000)	626323	20.0000	
	28	Naphthalene	128	10.004	9.999	(1.003)	41585	1.07213	21.51
	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	11.136	11.126	(1.117)	64340	3.31674	66.22
	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	11.788	11.777	(0.917)	383516	12.3614	246.8
	37	2-Chloronaphthalene	162	Compound Not Detected.					
	38	2-Nitroaniline	65	Compound Not Detected.					
	39	Dimethylphthalate	163	Compound Not Detected.					
	40	Acenaphthylene	152	12.600	12.584	(0.980)	29311	0.71734 LDL	14.32
	41	2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42	Acenaphthene-d10	164	12.851	12.841	(1.000)	398480	20.0000	
	43	3-Nitroaniline	138	Compound Not Detected.					
	44	Acenaphthene	153	12.904	12.894	(1.004)	25048	0.97127 LDL	19.39
	45	2,4-Dinitrophenol	184	Compound Not Detected.					
	46	Dibenzofuran	168	13.166	13.156	(1.025)	50074	1.38594	27.67
	47	4-Nitrophenol	109	Compound Not Detected.					
	48	2,4-Dinitrotoluene	165	Compound Not Detected.					
	50	Diethylphthalate	149	Compound Not Detected.					
	49	Fluorene	166	13.722	13.711	(1.068)	34180	1.19773	23.91
	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	14.155	14.139	(1.101)	94448	24.4298	487.8
	56	4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57	Hexachlorobenzene	284	Compound Not Detected.					
	58	Pentachlorophenol	266	Compound Not Detected.					
*	59	Phenanthrene-d10	188	15.239	15.223	(1.000)	717880	20.0000	
	60	Phenanthrene	178	15.271	15.261	(1.002)	226953	4.92737	98.38
	61	Anthracene	178	15.346	15.335	(1.007)	80428	1.74391	34.82
	62	Carbazole	167	15.640	15.624	(1.026)	36206	0.88256 LDL	17.62 (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	17.226	17.205	(1.130)	1200697	22.7955	455.1
	65 Pyrene	202	17.584	17.563	(0.898)	934553	15.1540	302.6
$	66 Terphenyl-d14	244	17.905	17.884	(0.914)	584103	15.1318	302.1
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	19.561	19.529	(0.999)	341054	5.06934	101.2
*	69 Chrysene-d12	240	19.587	19.556	(1.000)	858666	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	19.625	19.598	(1.002)	820513	13.5714	271.0
	72 bis(2-Ethylhexyl)phthalate	149	19.769	19.785	(0.953)	406807	10.7538	214.7(H)
*	134 Di-n-octylphthalate-d4	153	20.752	20.720	(1.000)	1251061	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	21.233	21.190	(0.976)	373547	9.72909	194.3
	75 Benzo(k)fluoranthene	252	21.254	21.228	(0.977)	237776	5.85430	116.9(M)
	76 Benzo(a)pyrene	252	21.676	21.639	(0.996)	145789	4.13635	82.59
*	77 Perylene-d12	264	21.756	21.719	(1.000)	534676	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	23.252	23.215	(1.069)	39919	0.95500	19.07
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	23.653	23.616	(1.087)	27055	0.64725	12.92
	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	11.307	11.297	(1.134)	41204	2.12997	42.53
	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: lr71l.d
Lab Smp Id: LR71L
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20777

Calibration Date: 18-OCT-2007
Calibration Time: 10:07
Client Smp ID: AN-SS-09
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	194381	-8.34
27 Naphthalene-d8	656578	328289	1313156	626323	-4.61
42 Acenaphthene-d10	353705	176852	707410	398480	12.66
59 Phenanthrene-d10	526440	263220	1052880	717880	36.37
69 Chrysene-d12	581923	290962	1163846	858666	47.56
134 Di-n-octylphthala	979097	489548	1958194	1251061	27.78
77 Perylene-d12	686531	343266	1373062	534676	-22.12

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.90	7.40	8.40	7.91	0.06
27 Naphthalene-d8	9.96	9.46	10.46	9.97	0.11
42 Acenaphthene-d10	12.84	12.34	13.34	12.85	0.08
59 Phenanthrene-d10	15.22	14.72	15.72	15.24	0.10
69 Chrysene-d12	19.56	19.06	20.06	19.59	0.16
134 Di-n-octylphthala	20.72	20.22	21.22	20.75	0.15
77 Perylene-d12	21.72	21.22	22.22	21.76	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

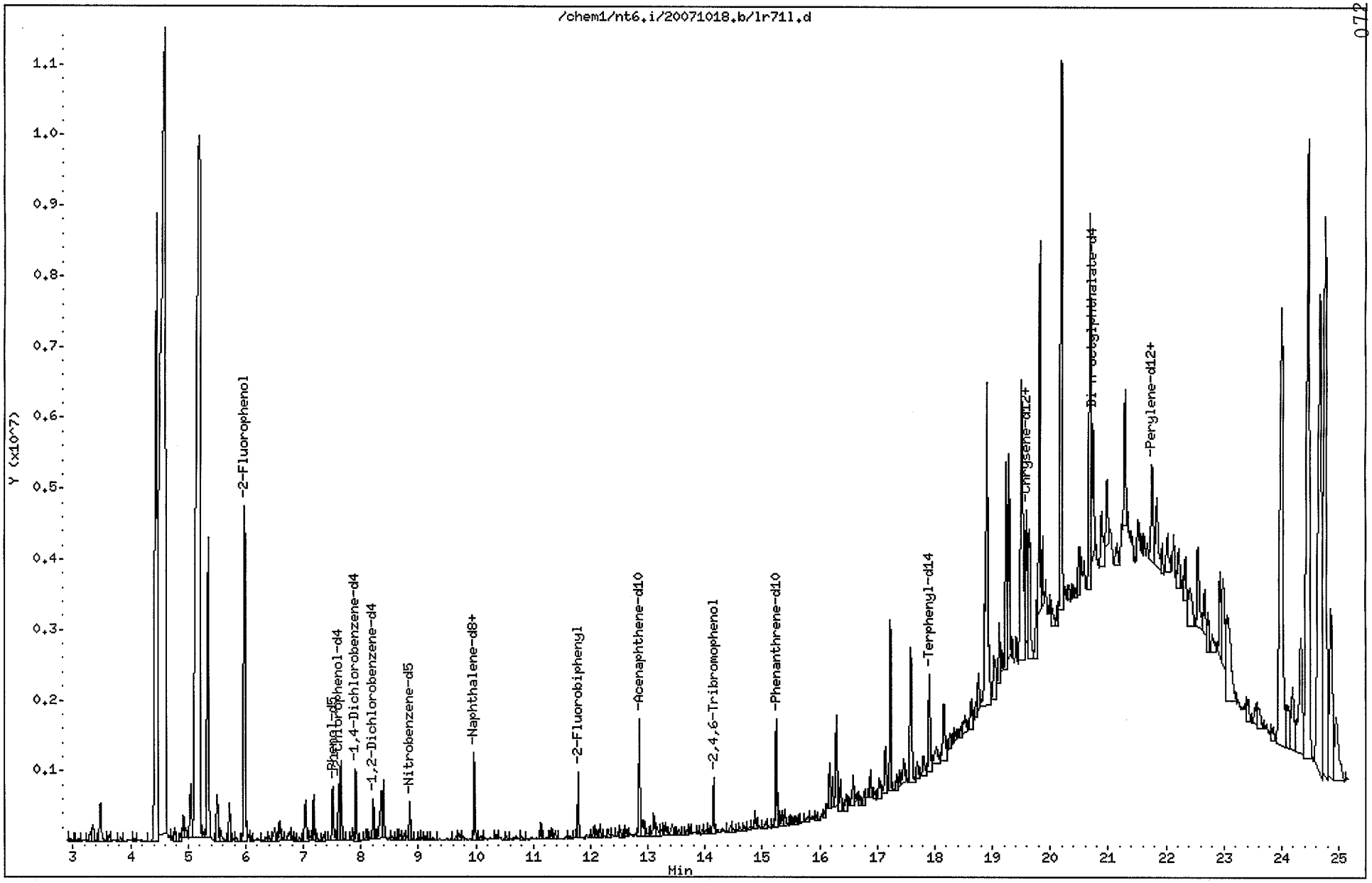
Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71L
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20777

Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-09
Operator: LJR/VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	748.7	455.2	60.80	11-84
$ 2 Phenol-d5	748.7	397.0	53.02	25-86
$ 5 2-Chlorophenol-d4	748.7	403.4	53.88	23-91
$ 10 1,2-Dichlorobenzen	499.2	226.4	45.36	24-90
$ 18 Nitrobenzene-d5	499.2	248.9	49.86	26-88
$ 36 2-Fluorobiphenyl	499.2	246.8	49.45	34-91
$ 55 2,4,6-Tribromophen	748.7	487.8	65.15	25-107
$ 66 Terphenyl-d14	499.2	302.1	60.53	22-100

Data File: /chem1/nt6.i/20071018.b/lr711.d
Date : 18-OCT-2007 21:25
Client ID: AN-SS-09
Sample Info: LR71L
Volume Injected (uL): 1.0
Column phase: ZB-5

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



Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

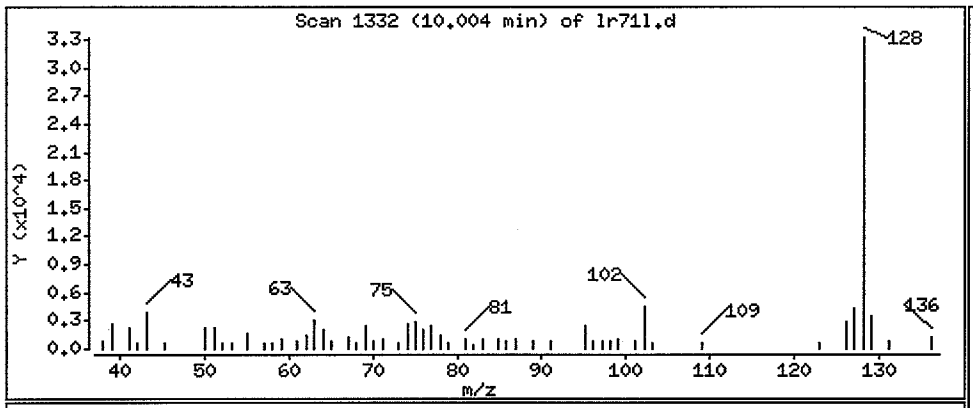
Operator: LJR/VTS

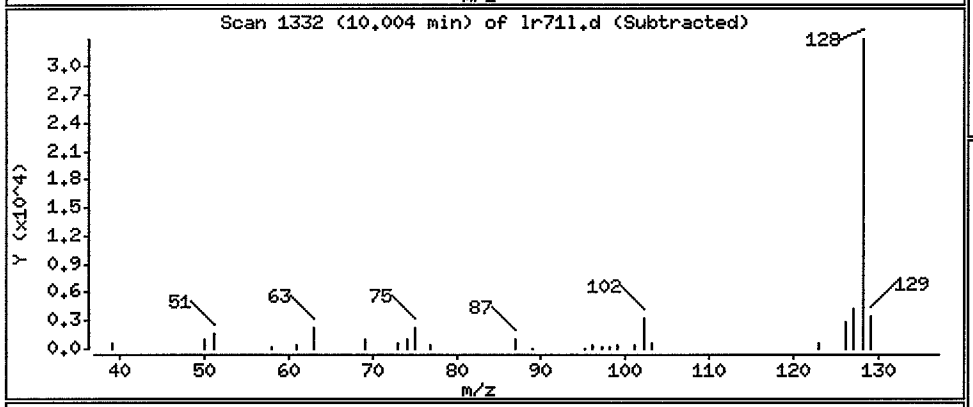
Column phase: ZB-5

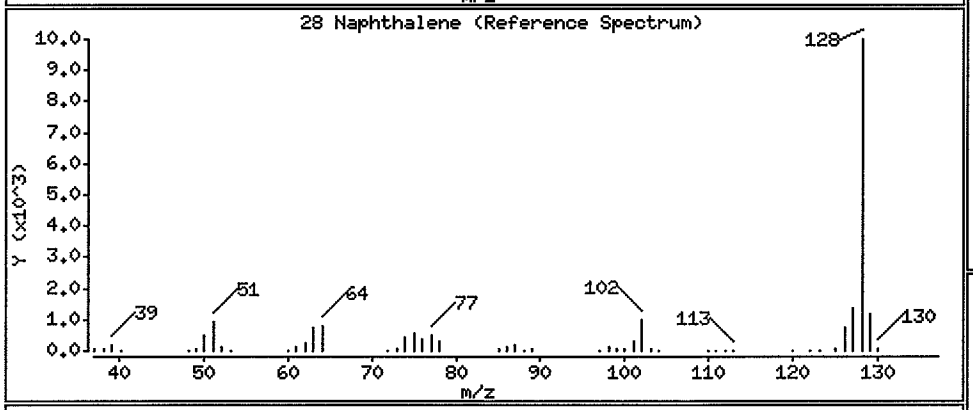
Column diameter: 0.32

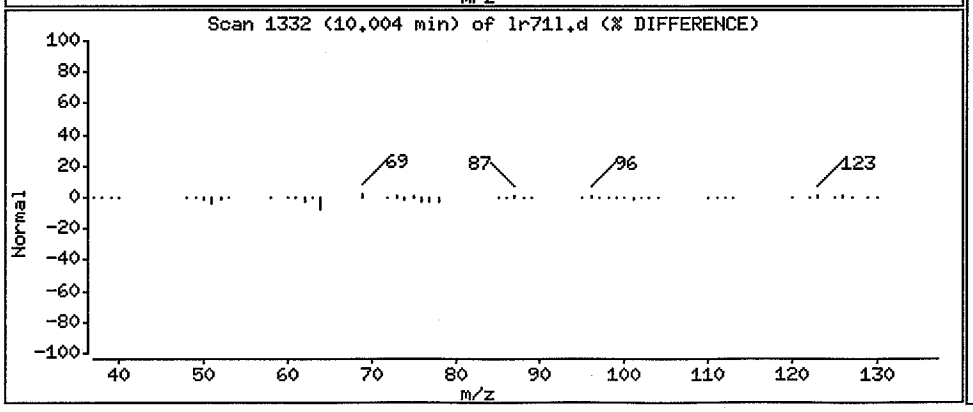
28 Naphthalene

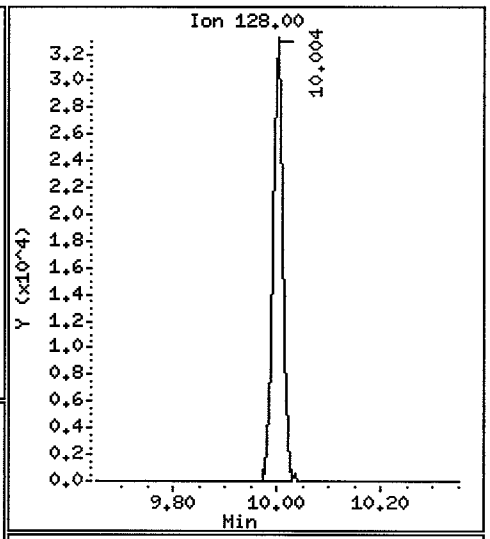
Concentration: 21.51 ug/kg

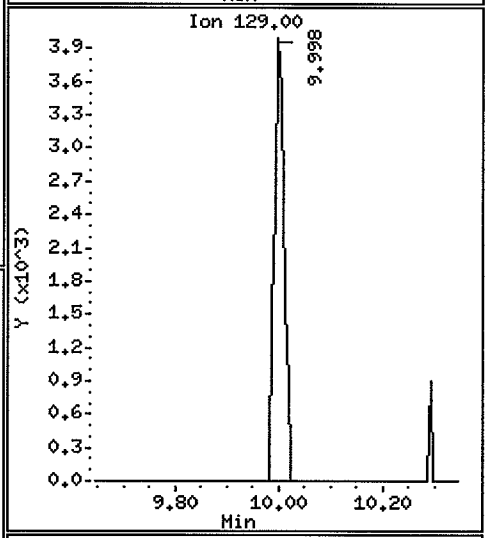


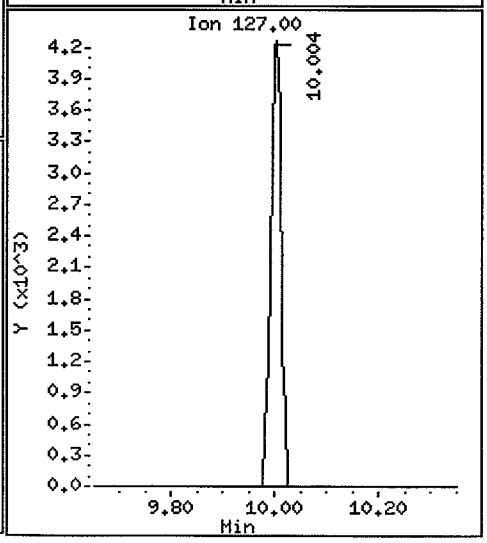












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

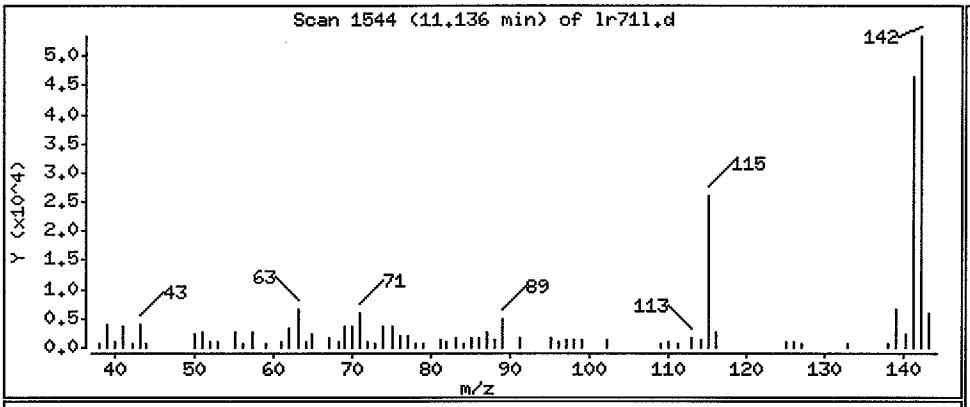
Client ID: AN-SS-09 Instrument: nt6.i

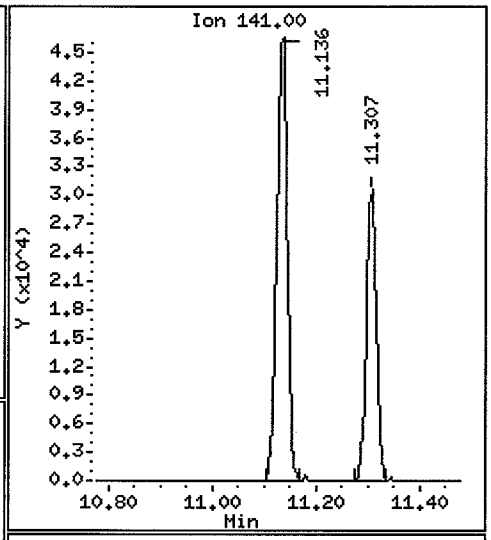
Sample Info: LR71L

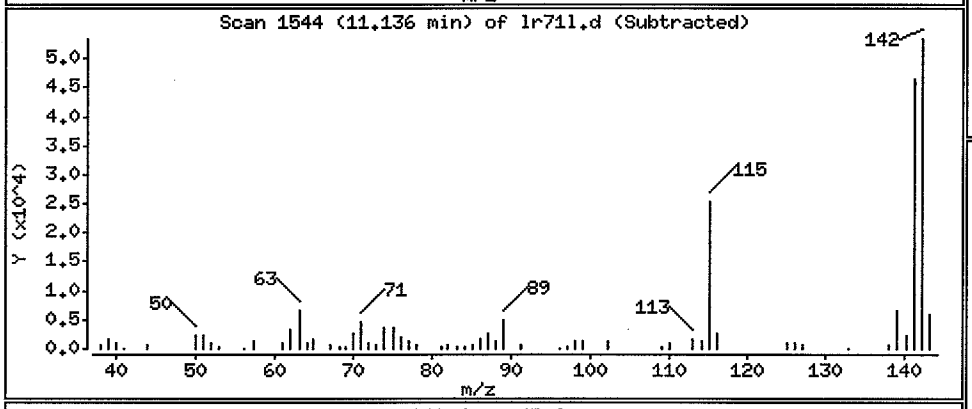
Volume Injected (uL): 1.0 Operator: LJR/VTS

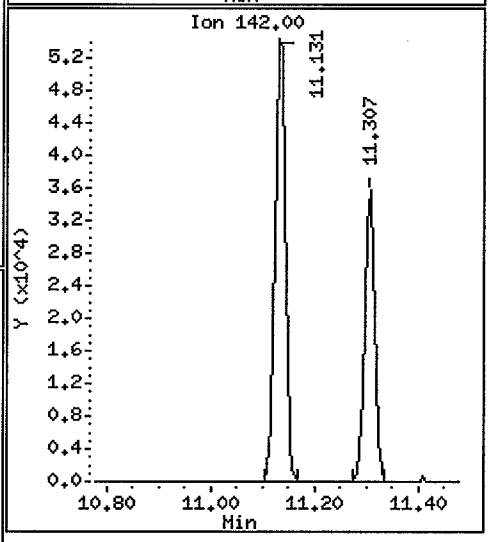
Column phase: ZB-5 Column diameter: 0.32

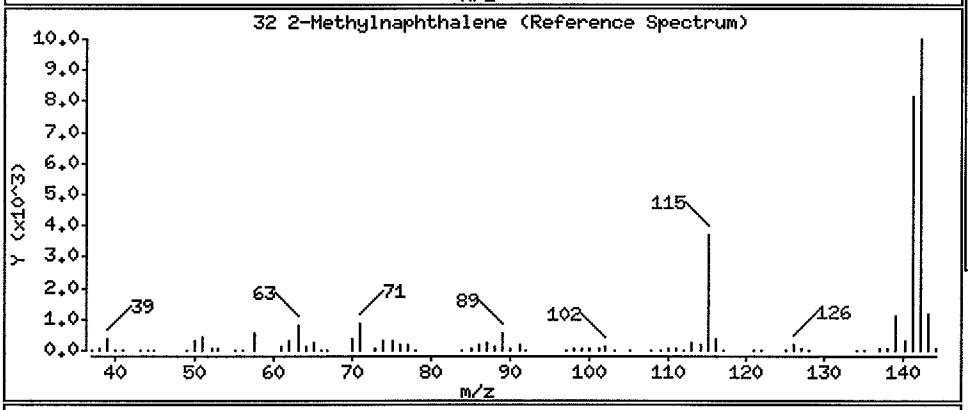
32 2-Methylnaphthalene Concentration: 66.22 ug/kg

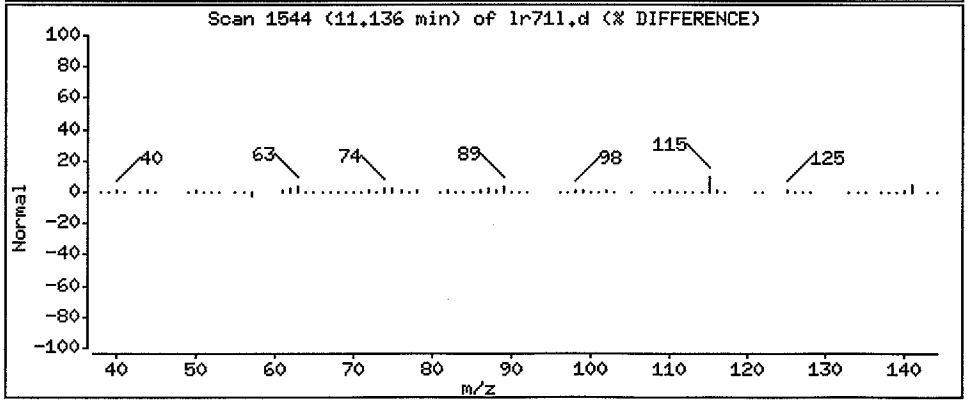












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

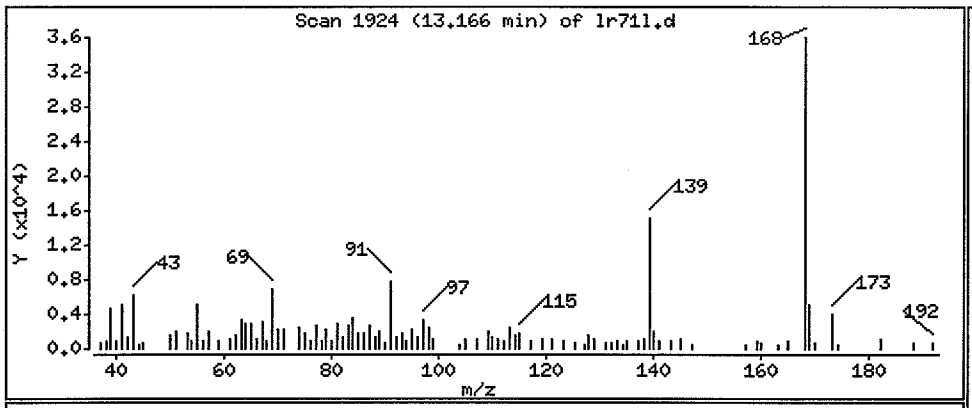
Operator: LJR/VTS

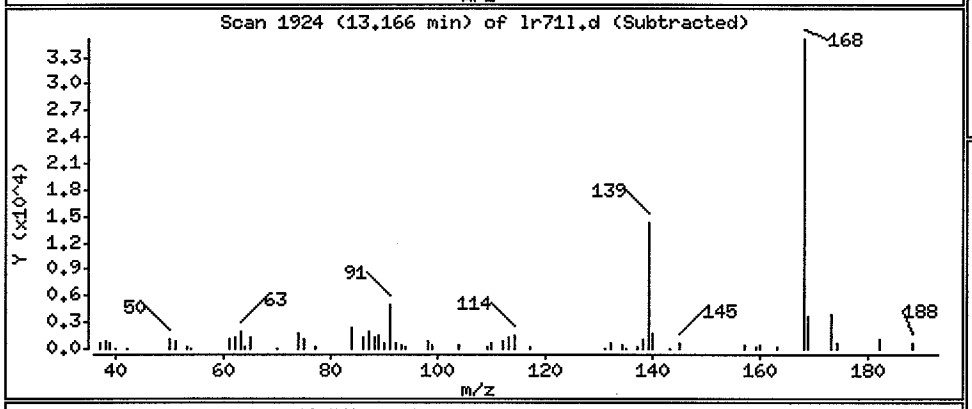
Column phase: ZB-5

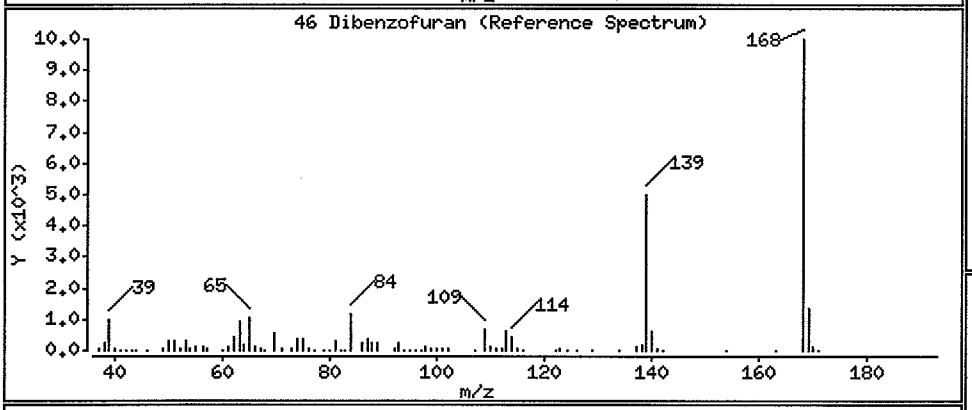
Column diameter: 0.32

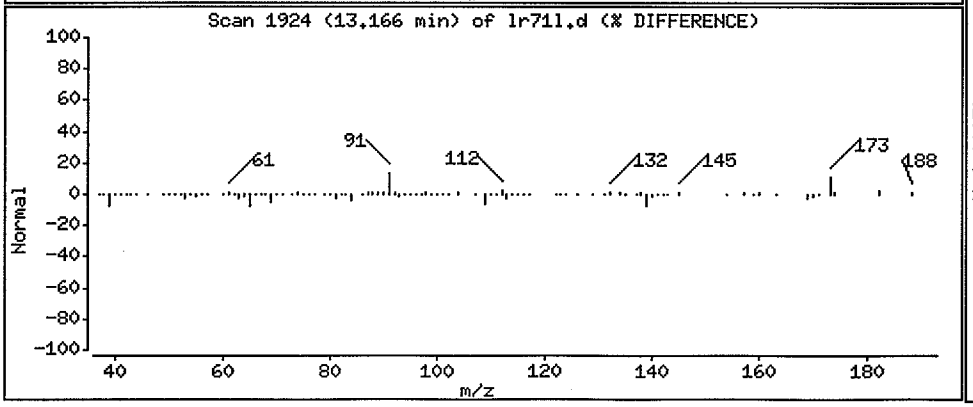
46 Dibenzofuran

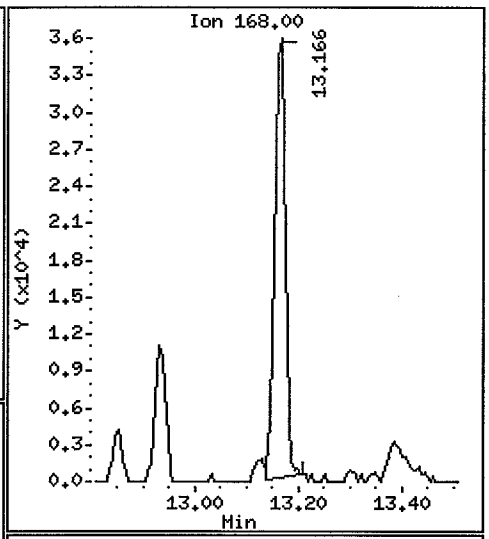
Concentration: 27.67 ug/kg

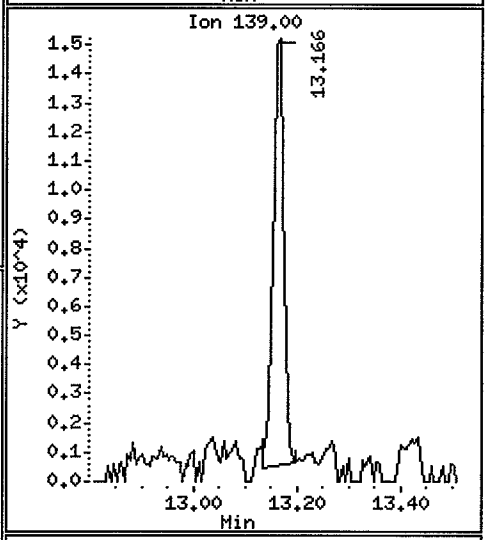


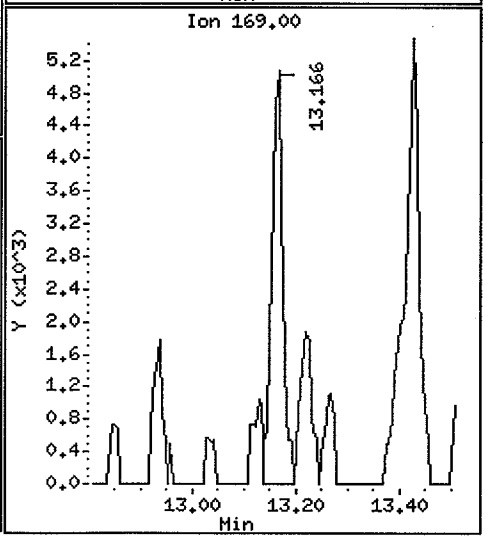












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

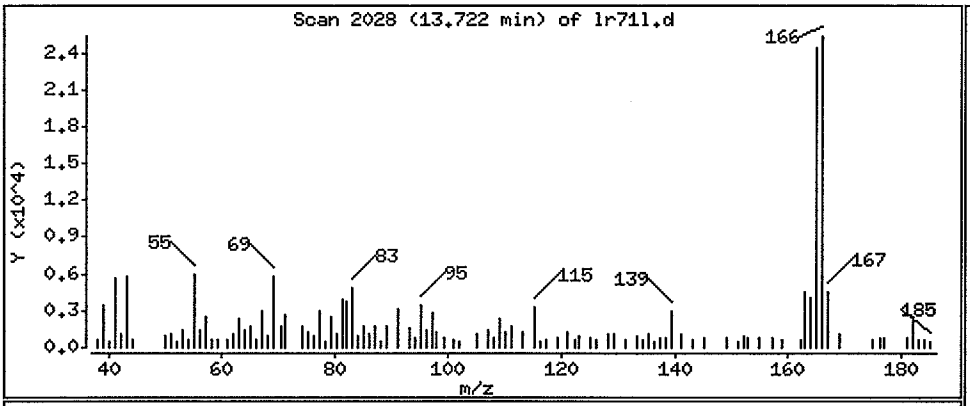
Operator: LJR/VTS

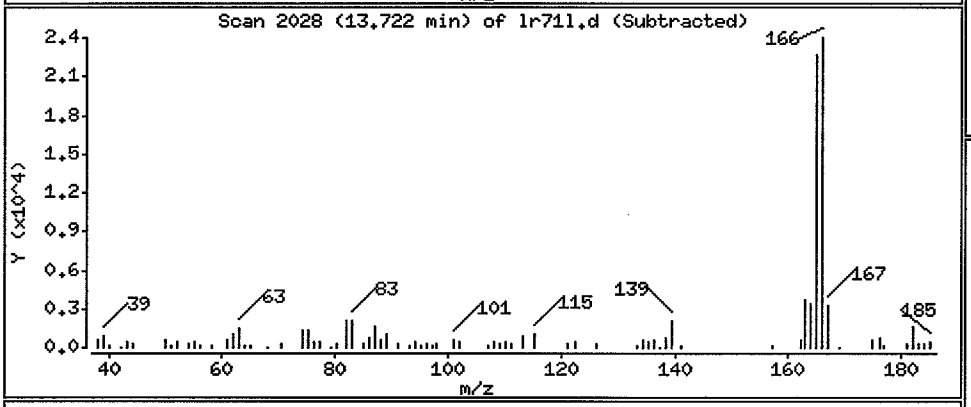
Column phase: ZB-5

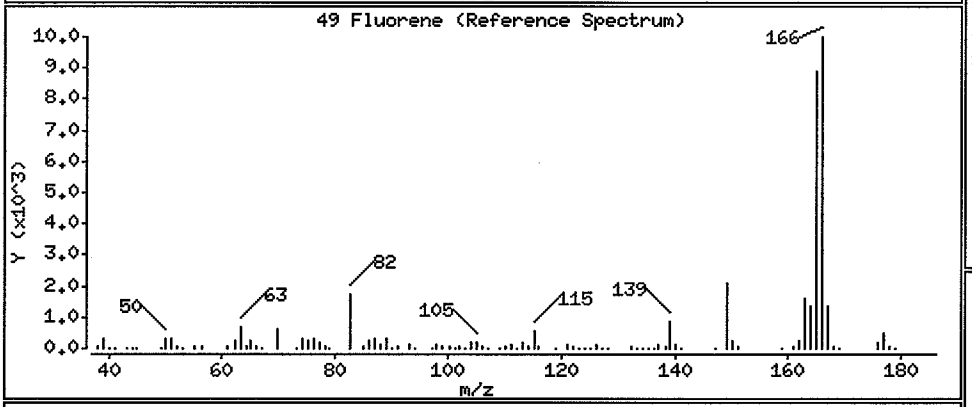
Column diameter: 0.32

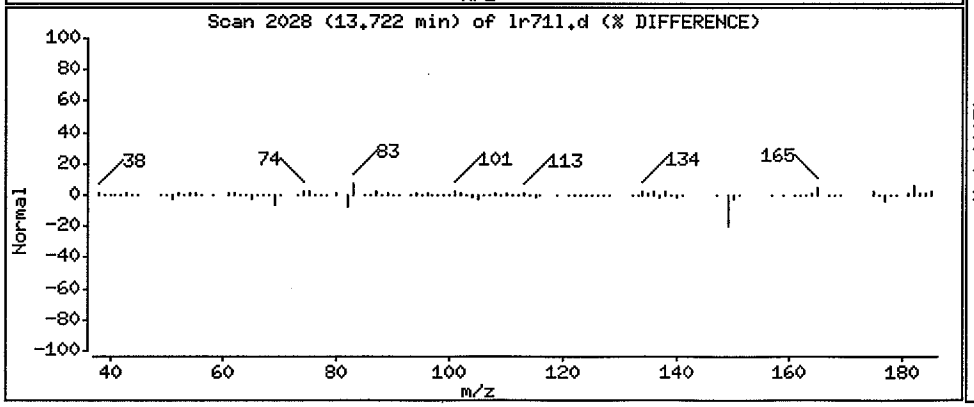
49 Fluorene

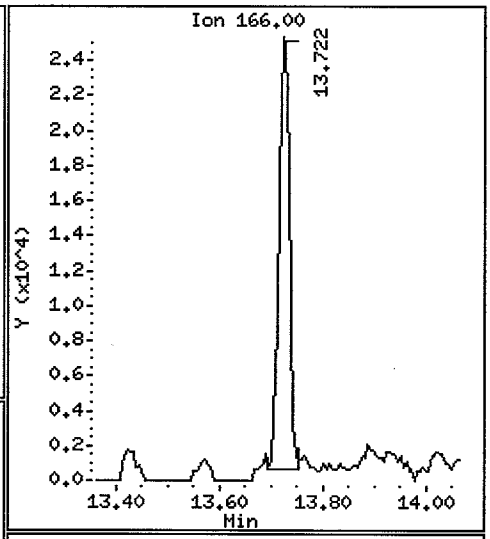
Concentration: 23.91 ug/kg

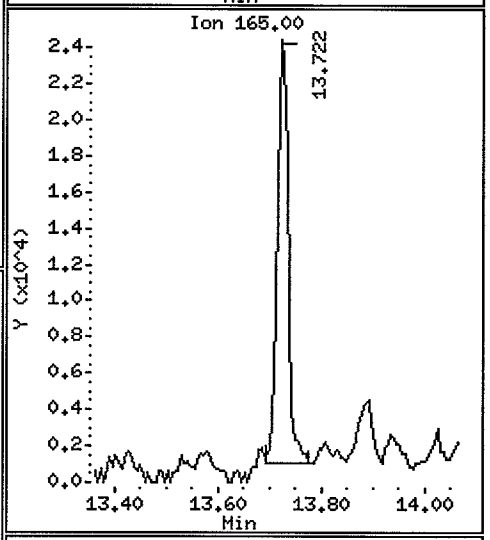


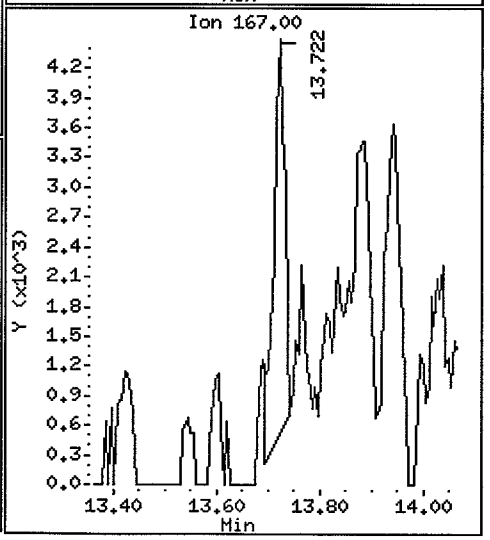












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

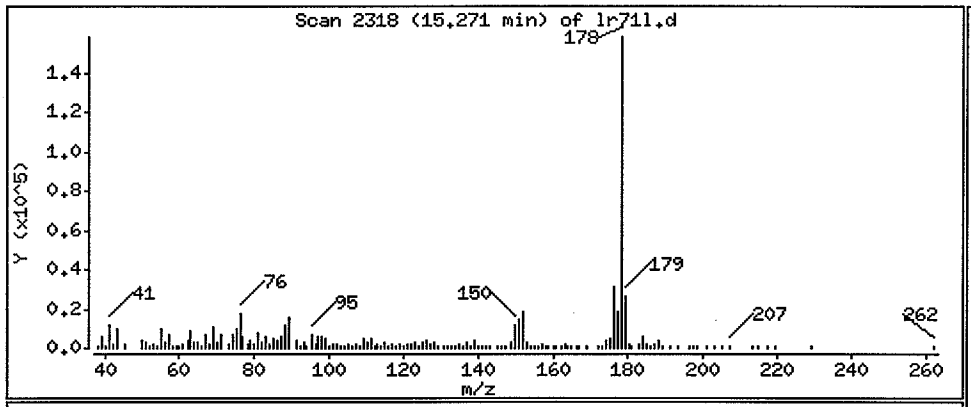
Operator: LJR/VTS

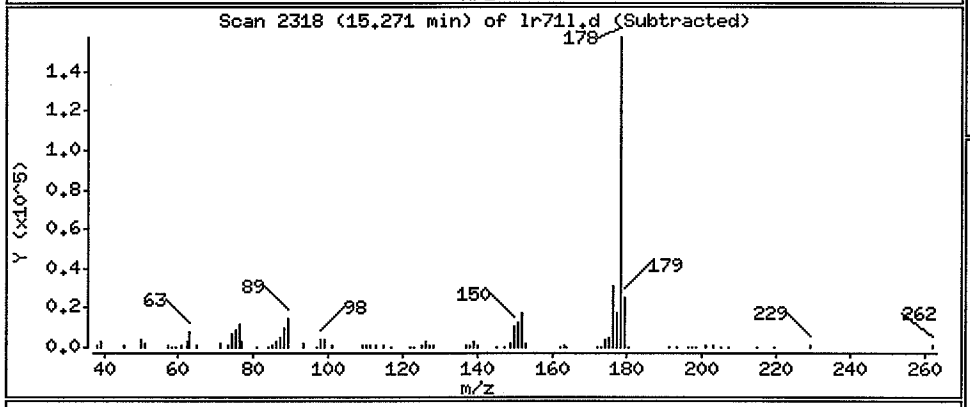
Column phase: ZB-5

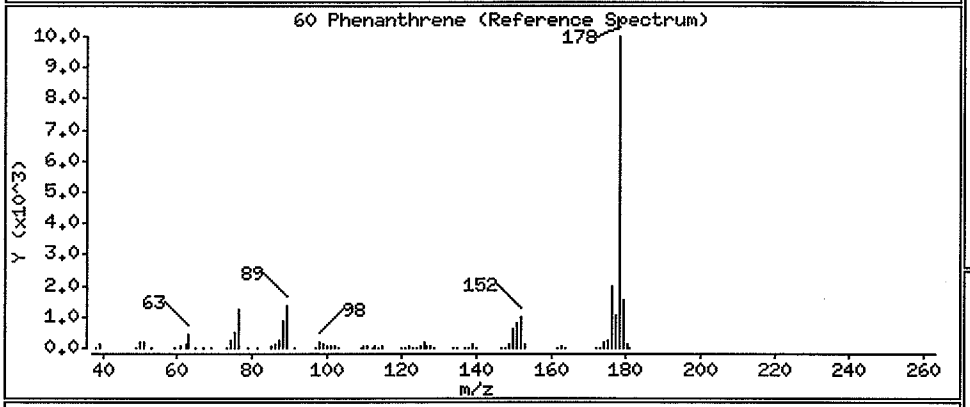
Column diameter: 0.32

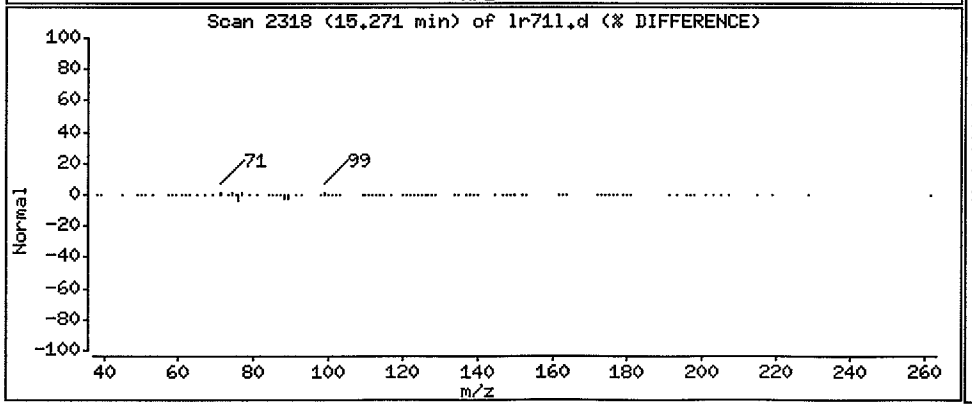
60 Phenanthrene

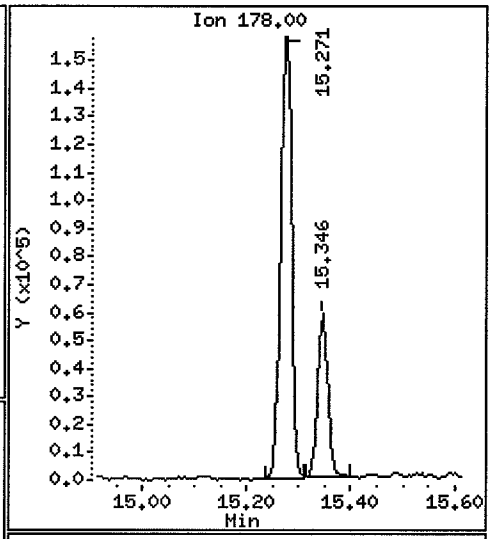
Concentration: 98.38 ug/kg

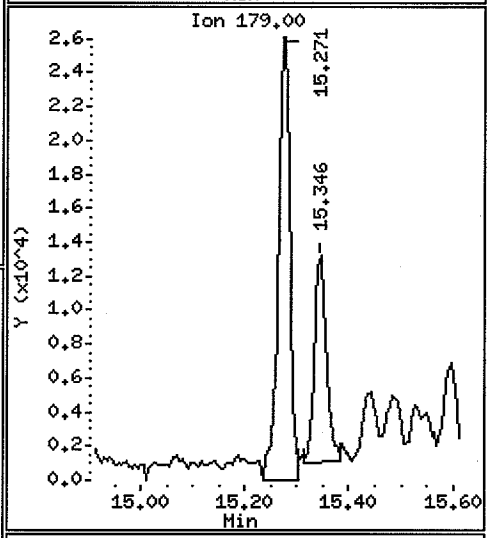


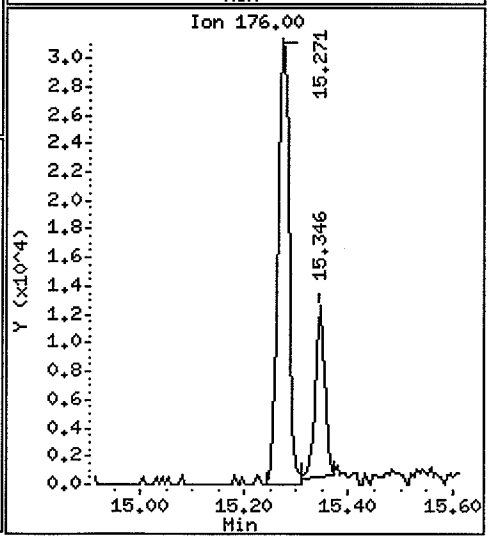












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

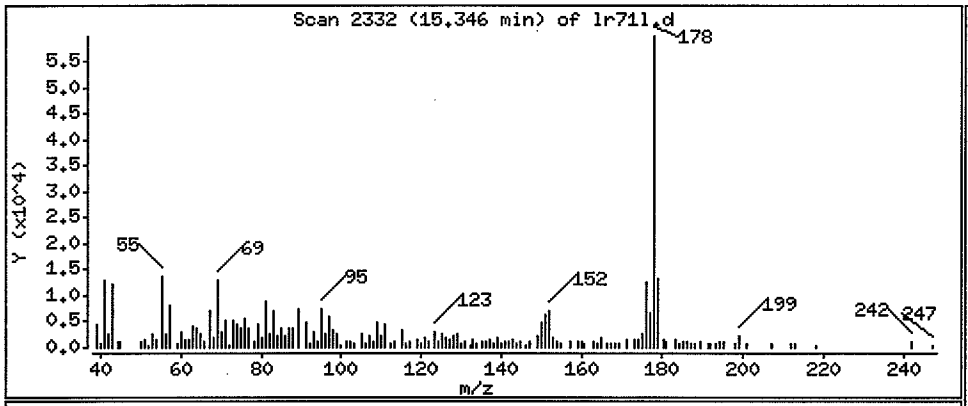
Operator: LJR/VTS

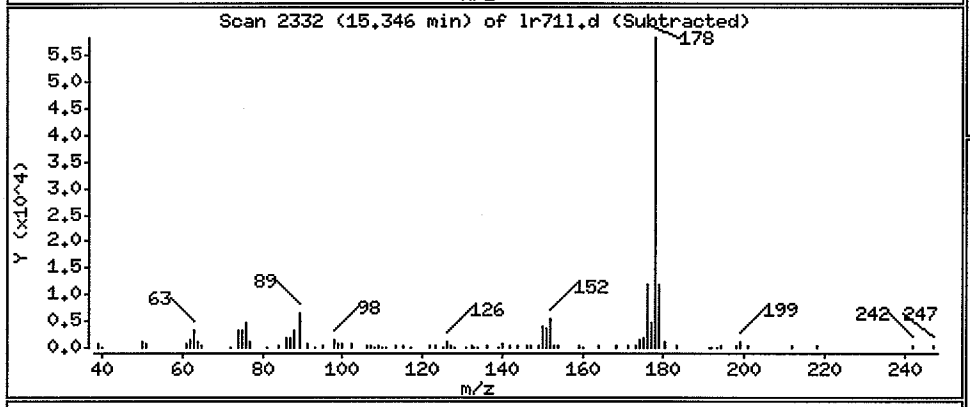
Column phase: ZB-5

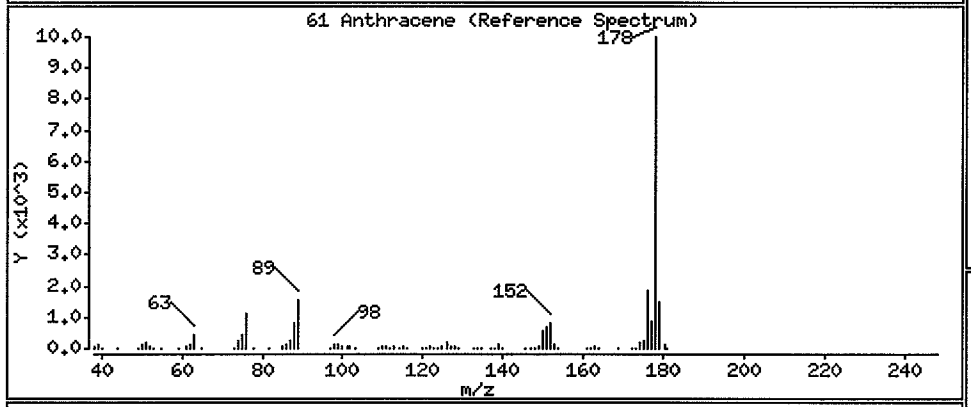
Column diameter: 0.32

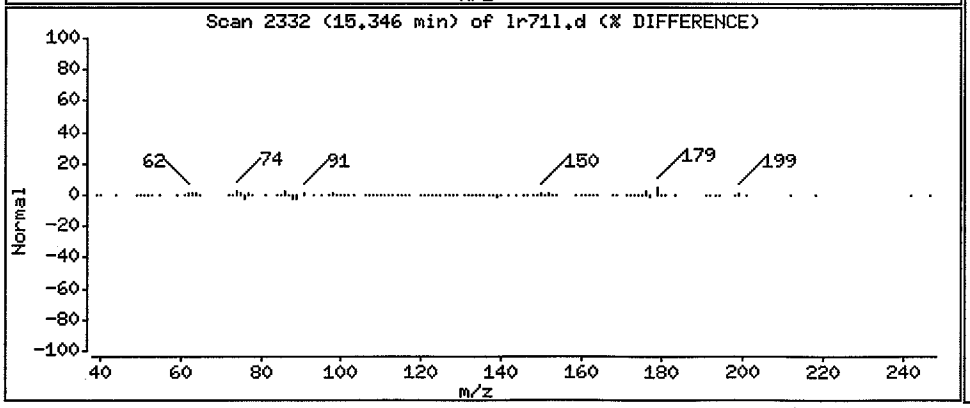
61 Anthracene

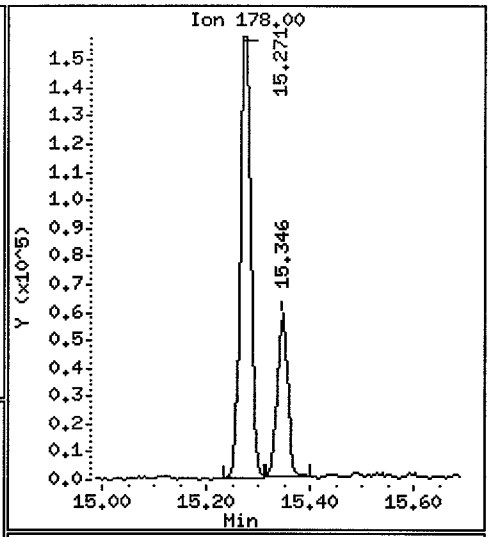
Concentration: 34.82 ug/kg

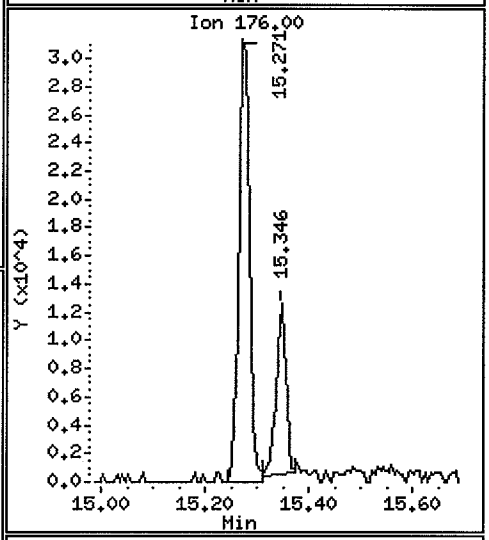


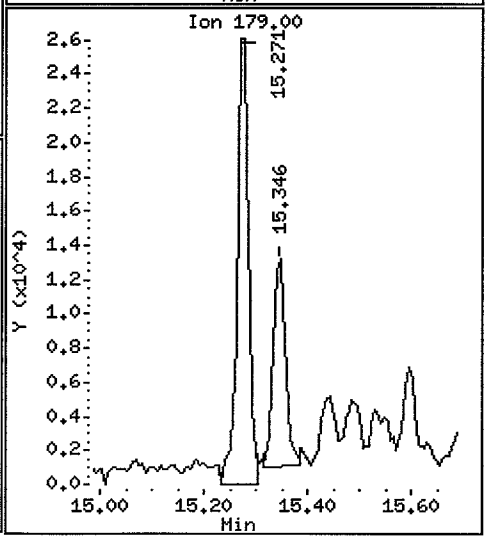












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

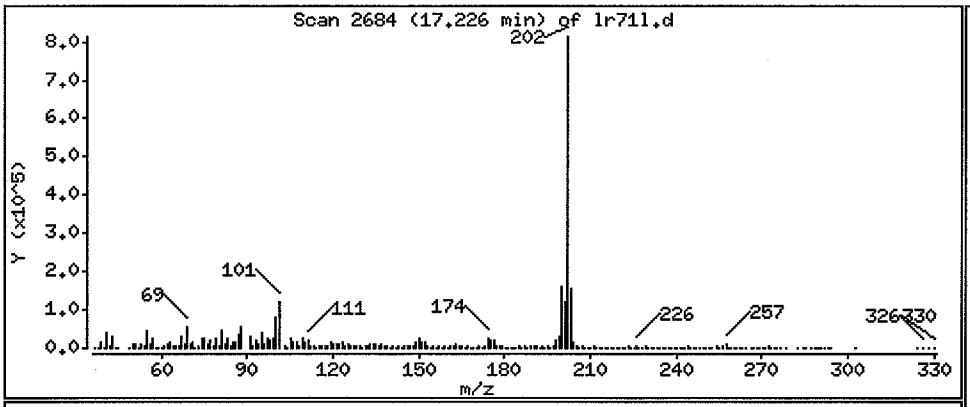
Client ID: AN-SS-09 Instrument: nt6.i

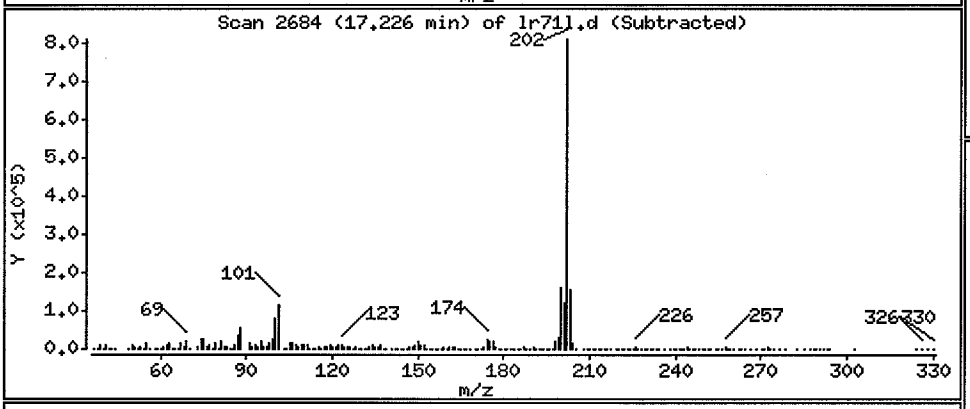
Sample Info: LR71L

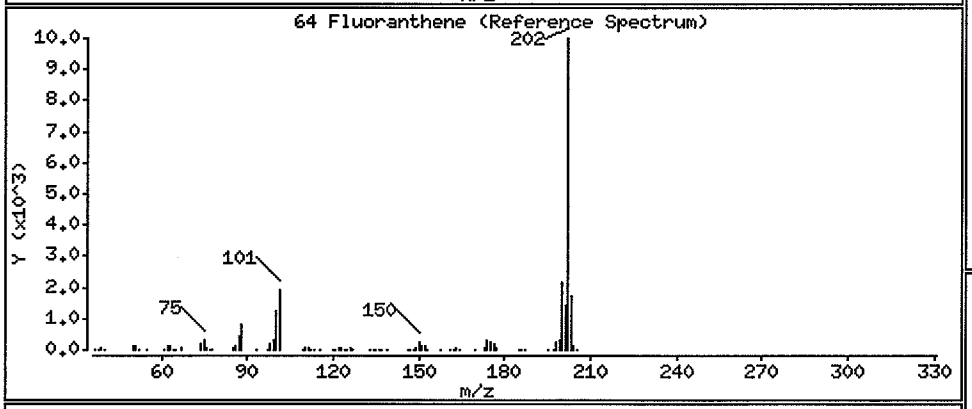
Volume Injected (uL): 1.0 Operator: LJR/VTS

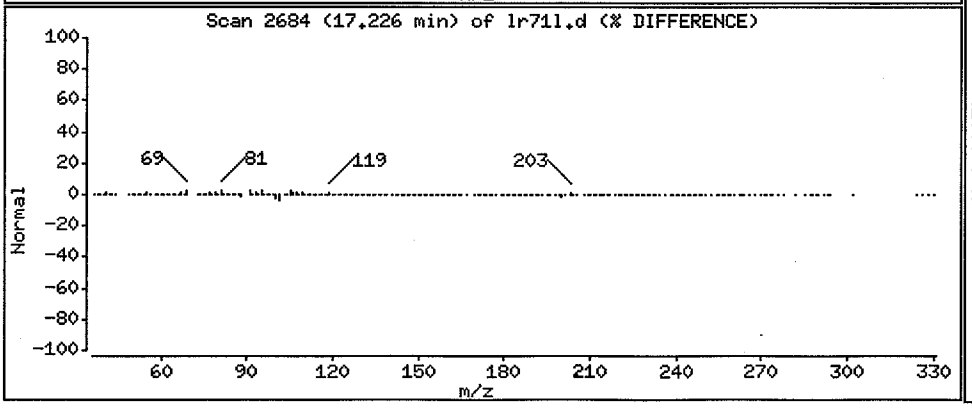
Column phase: ZB-5 Column diameter: 0.32

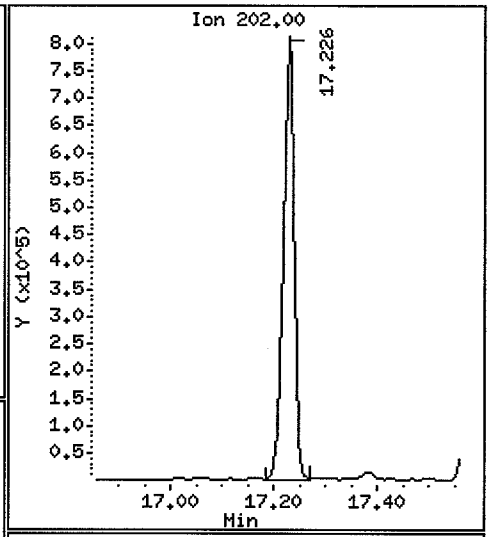
64 Fluoranthene Concentration: 455.1 ug/kg

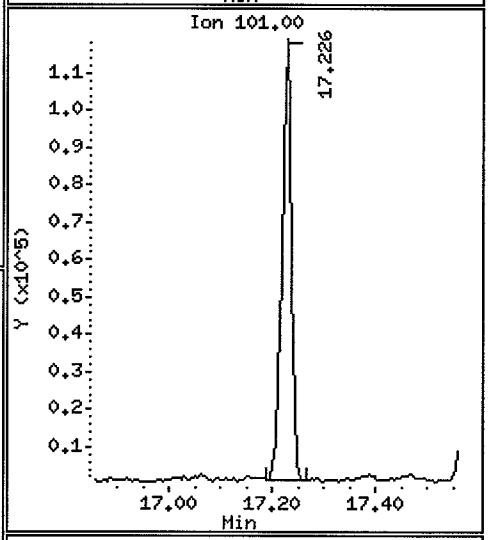


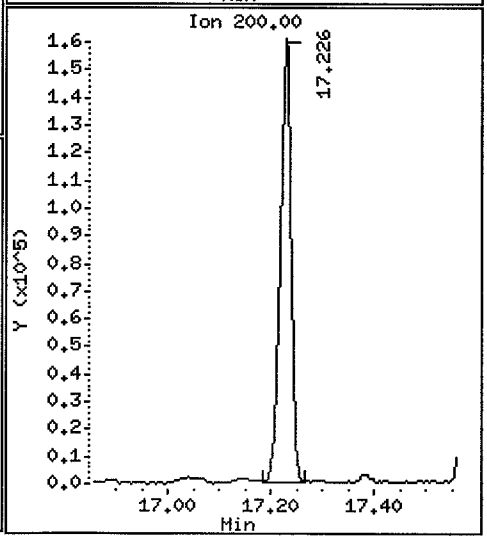












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

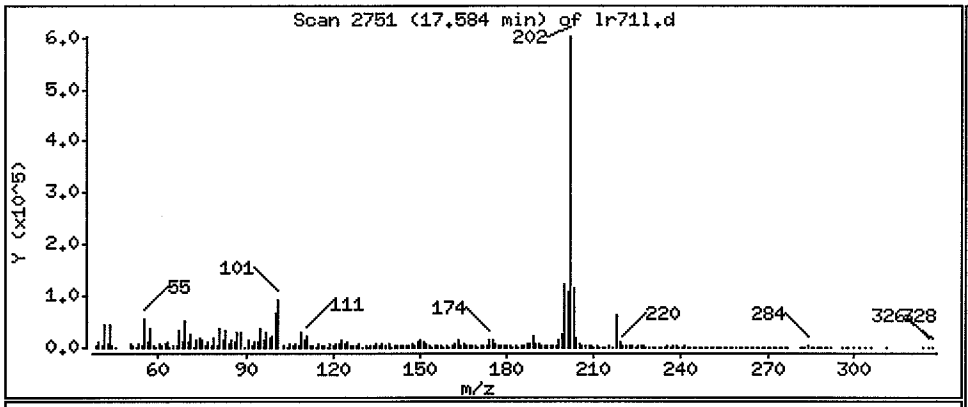
Operator: LJR/VTS

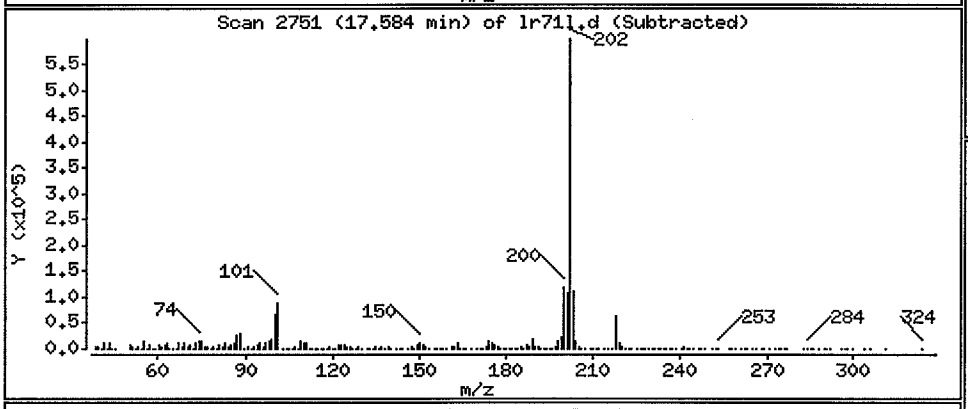
Column phase: ZB-5

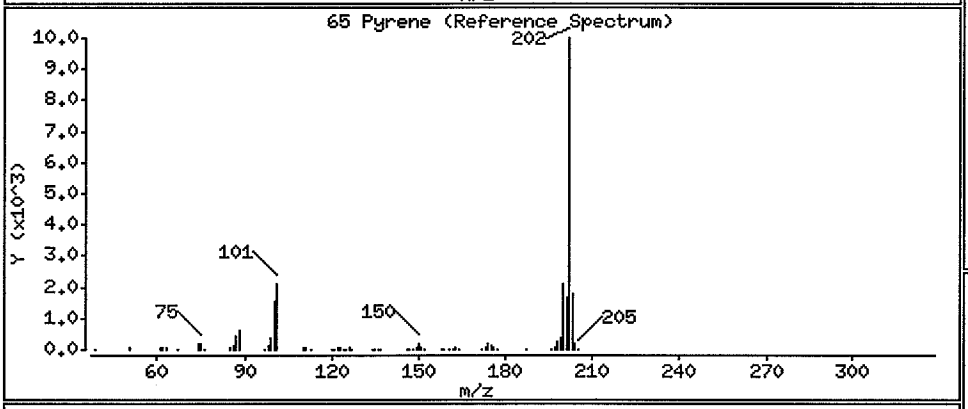
Column diameter: 0.32

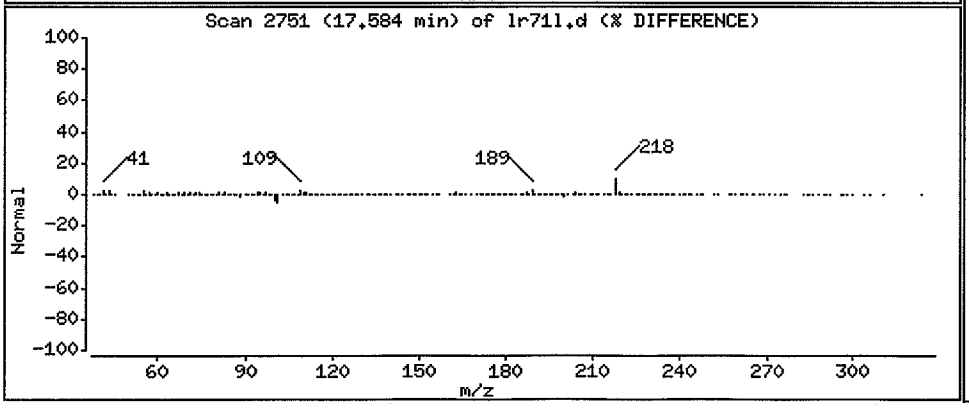
65 Pyrene

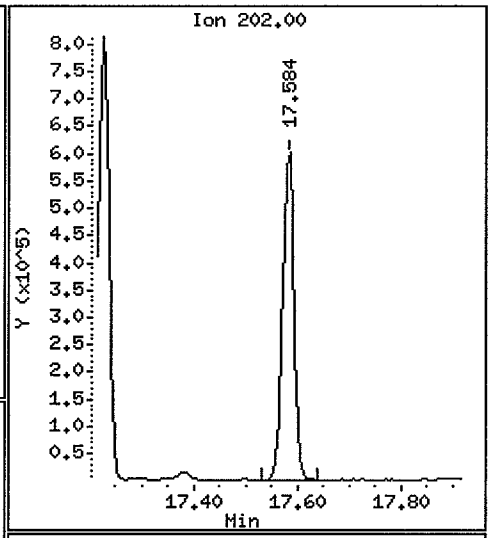
Concentration: 302.6 ug/kg

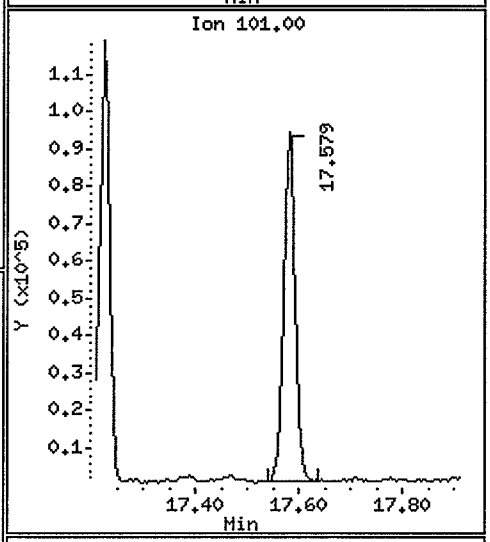


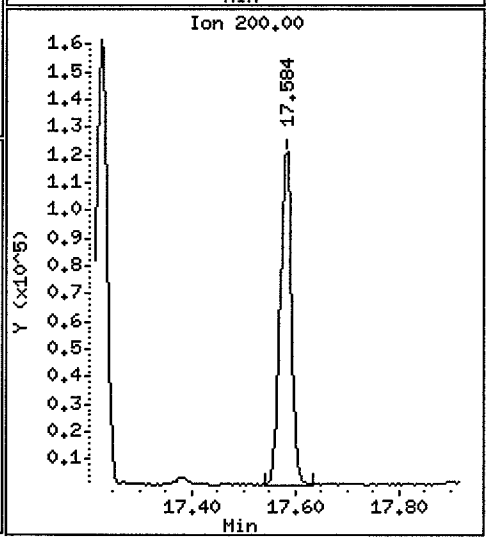












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

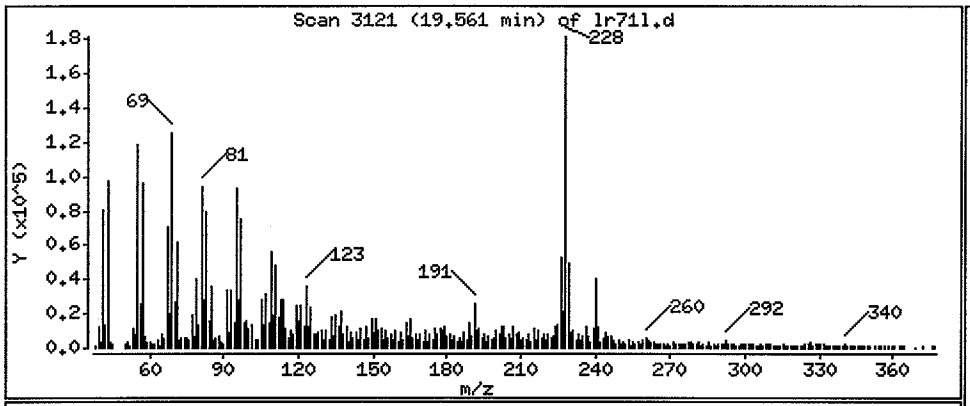
Operator: LJR/VTS

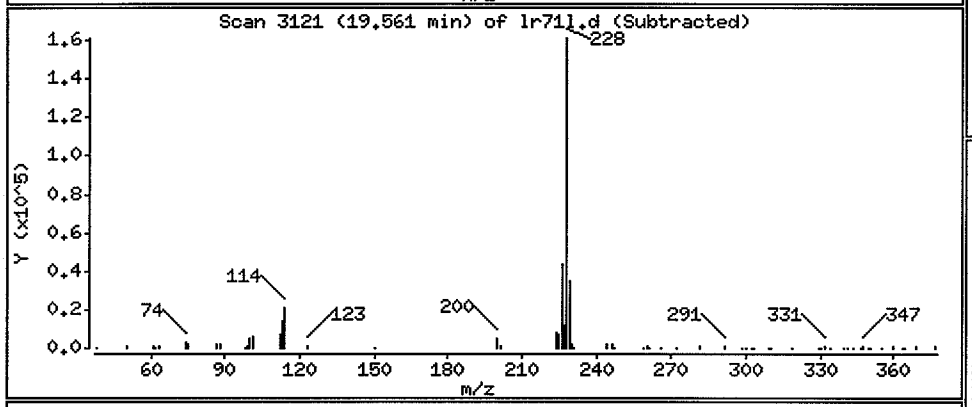
Column phase: ZB-5

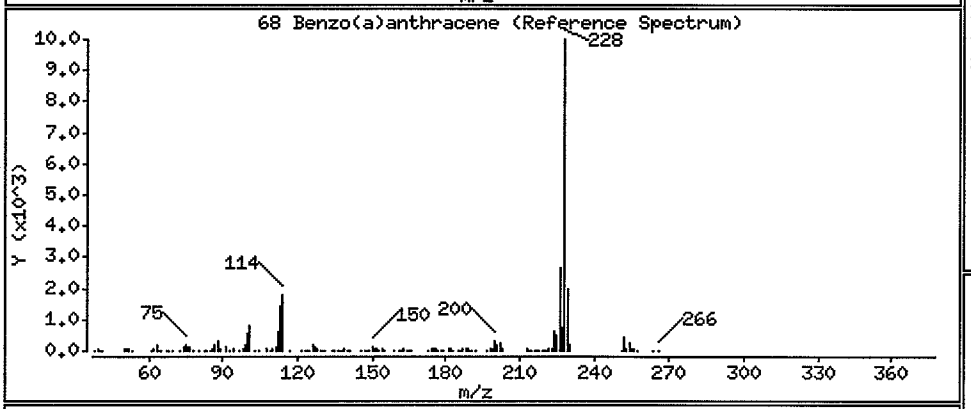
Column diameter: 0.32

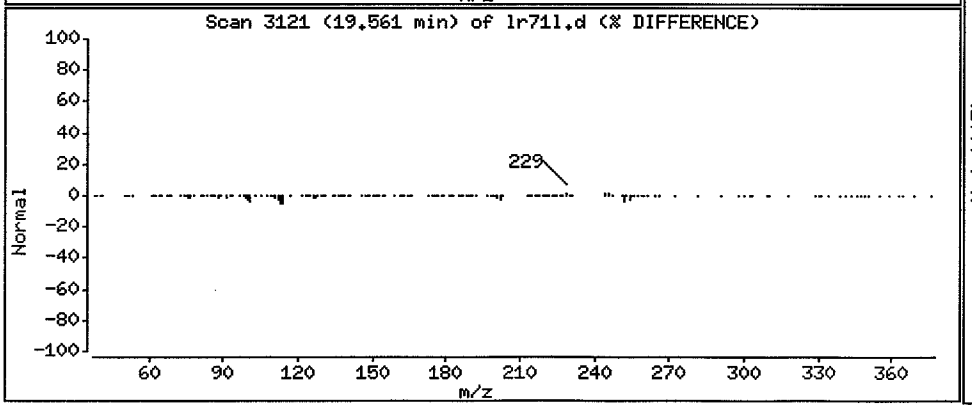
68 Benzo(a)anthracene

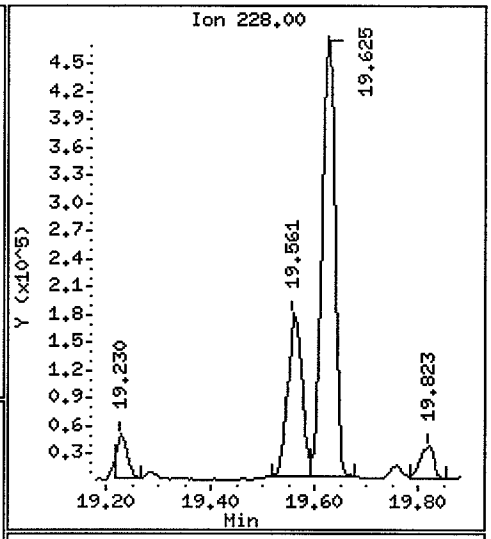
Concentration: 101.2 ug/kg

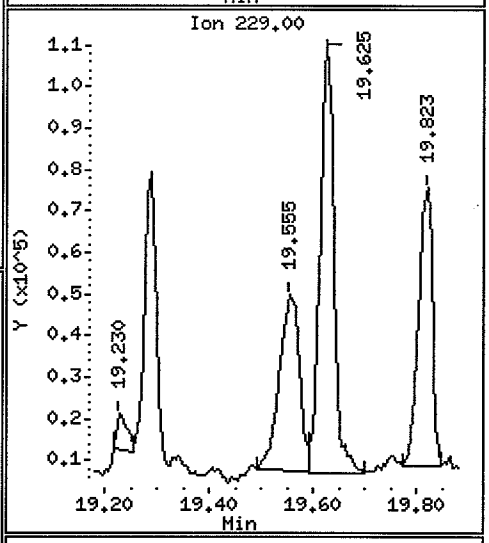


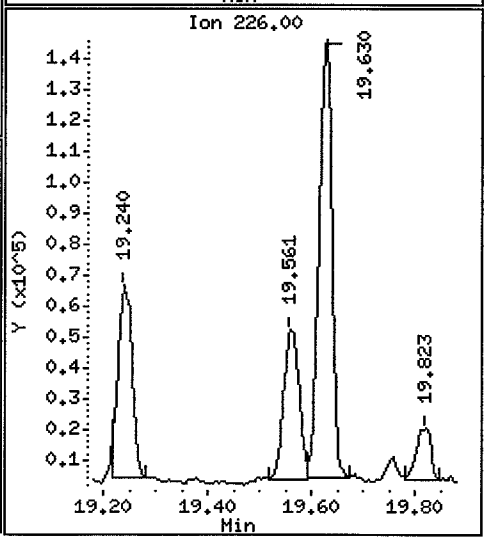












Data File: /chem1/nt6.i/20071018.b/lr71l.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

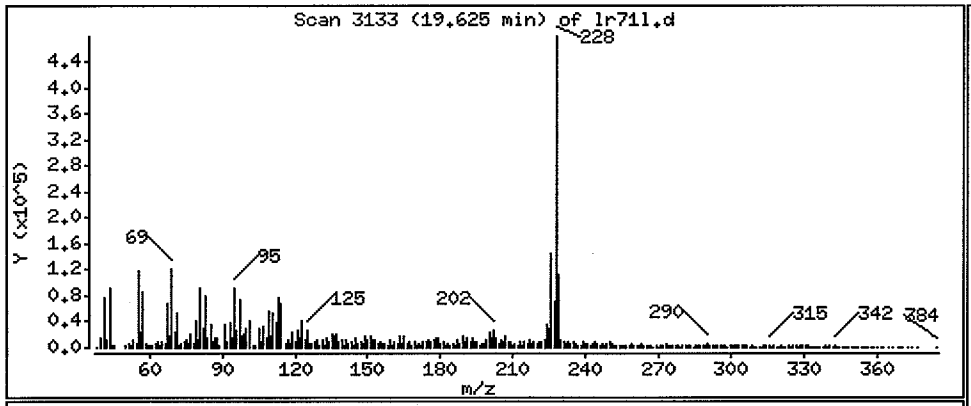
Operator: LJR/VTS

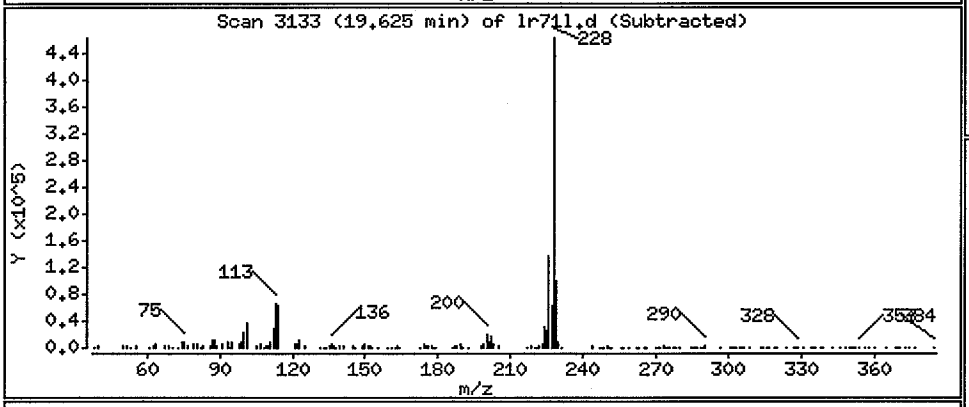
Column phase: ZB-5

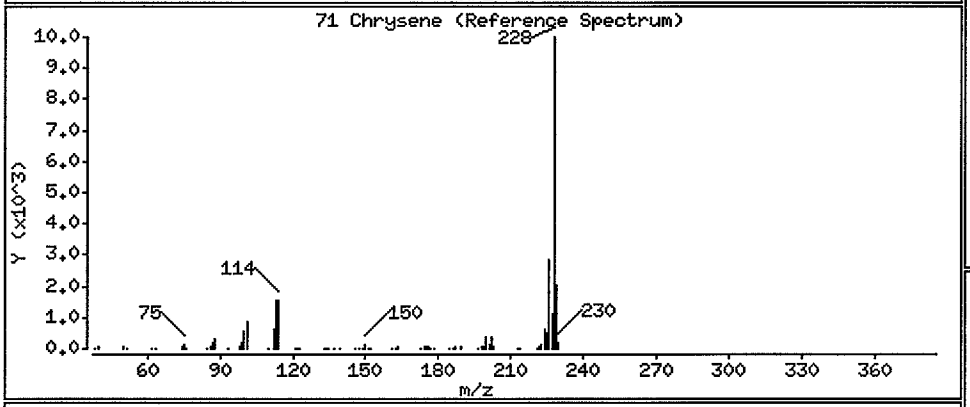
Column diameter: 0.32

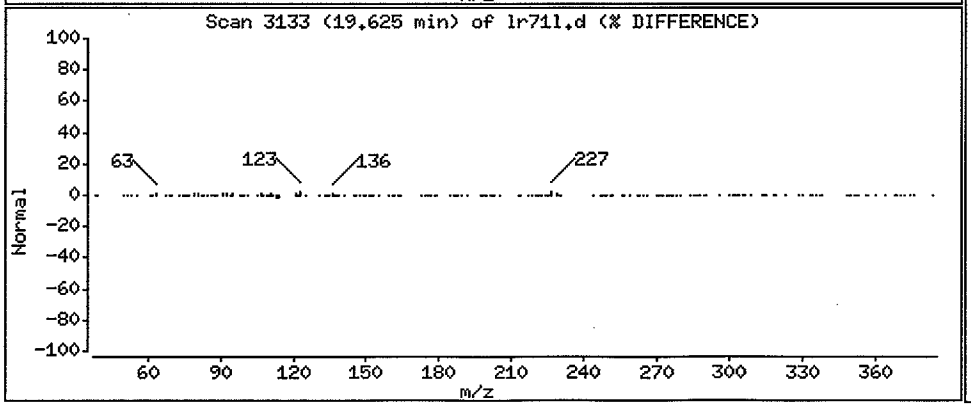
71 Chrysene

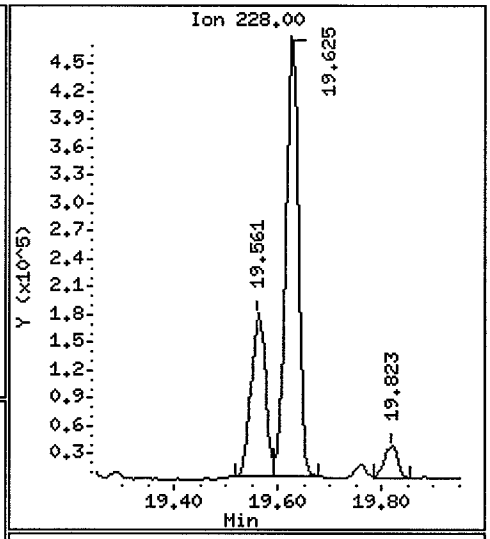
Concentration: 271.0 ug/kg

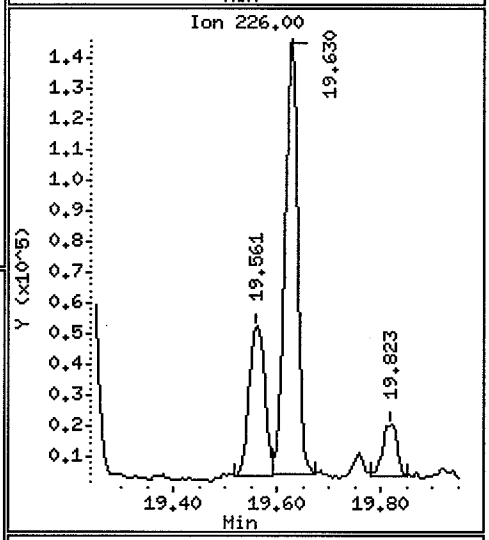


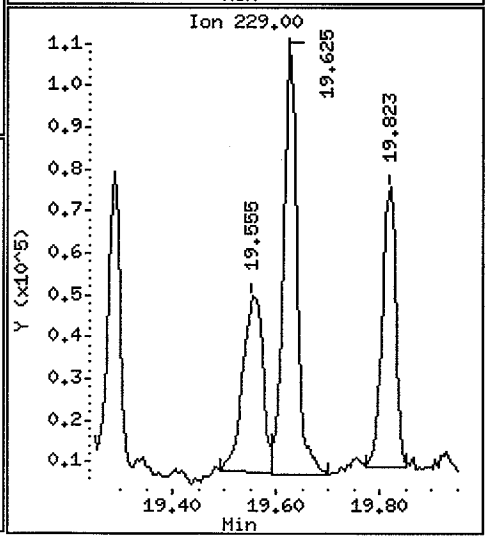












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

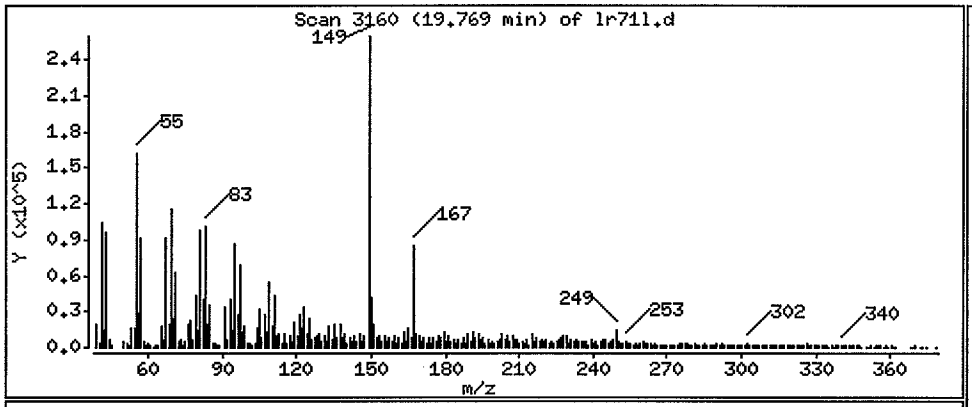
Operator: LJR/VTS

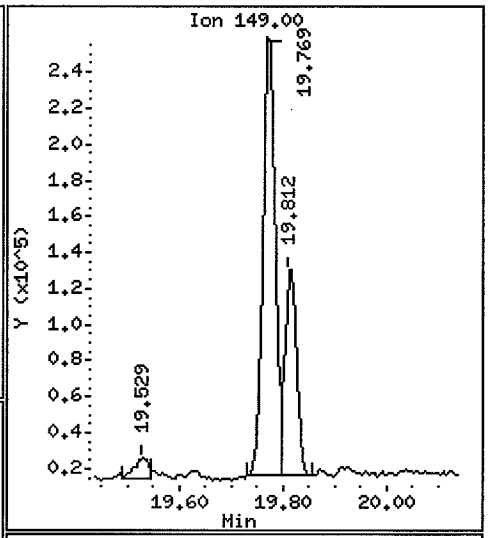
Column phase: ZB-5

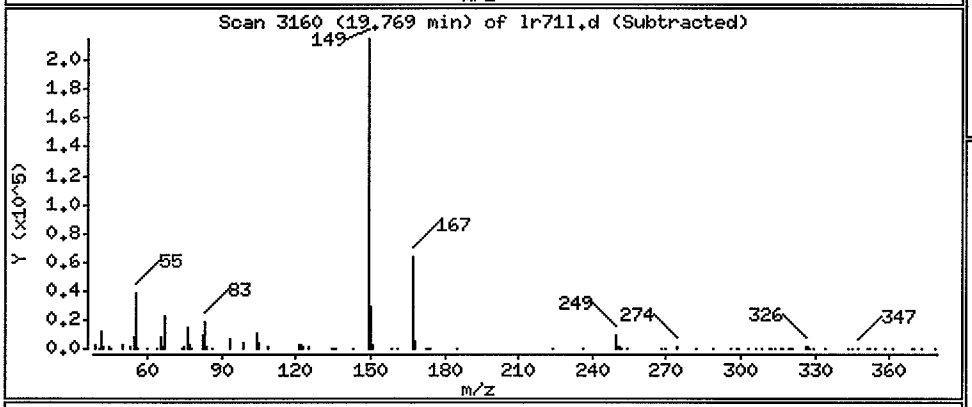
Column diameter: 0.32

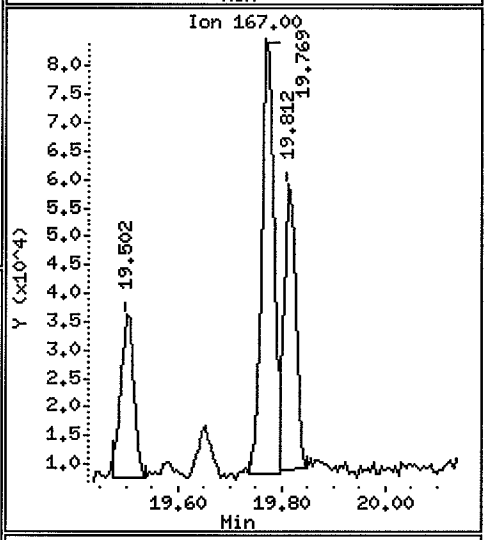
72 bis(2-Ethylhexyl)phthalate

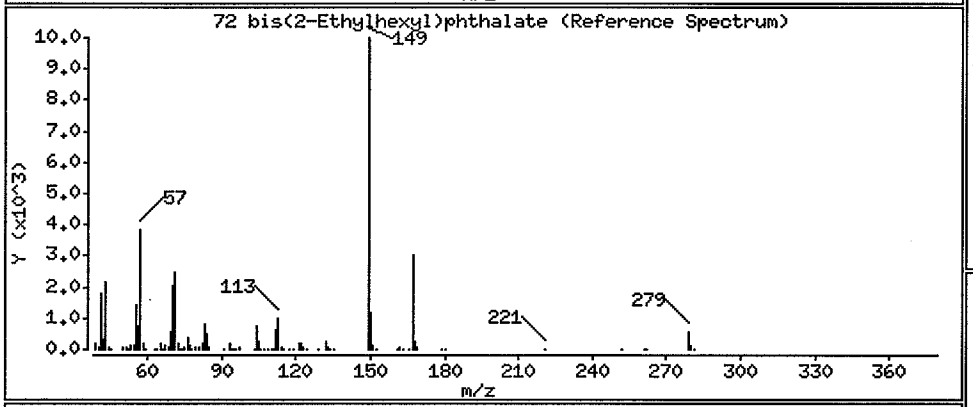
Concentration: 214.7 ug/kg

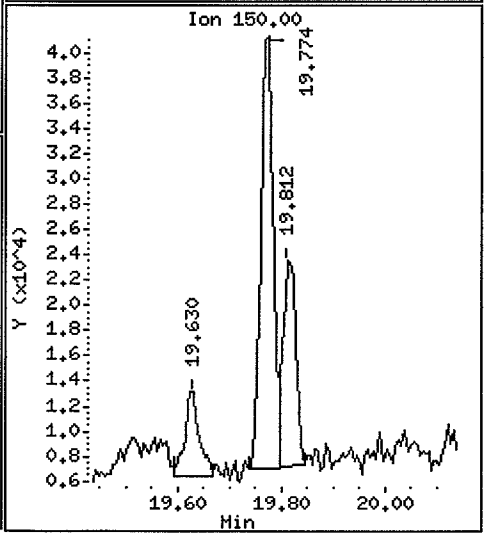


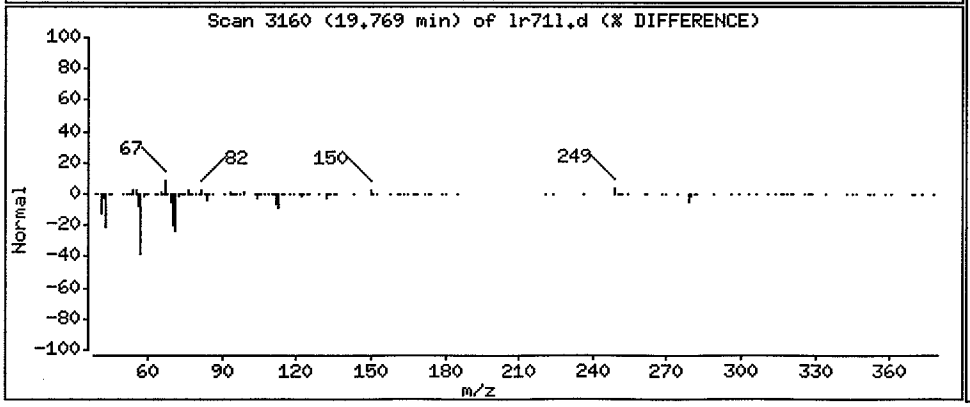












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

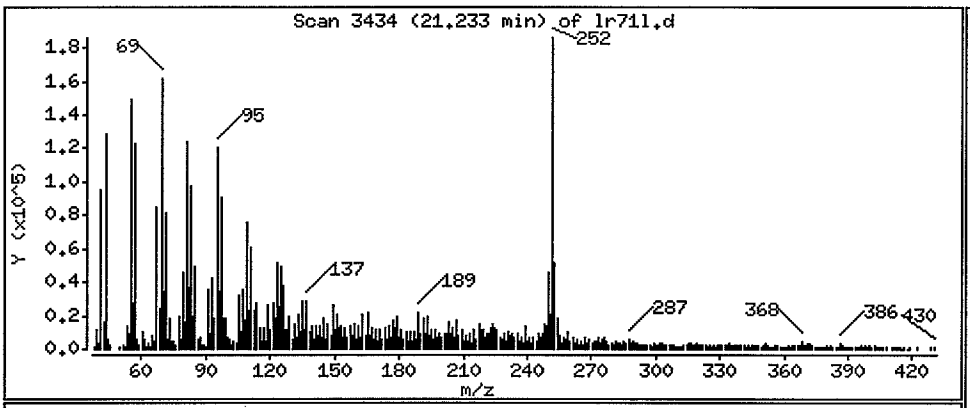
Operator: LJR/VTS

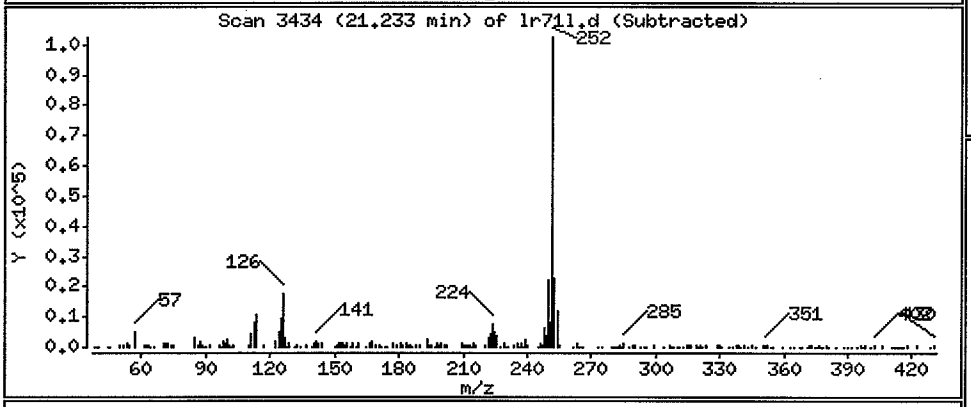
Column phase: ZB-5

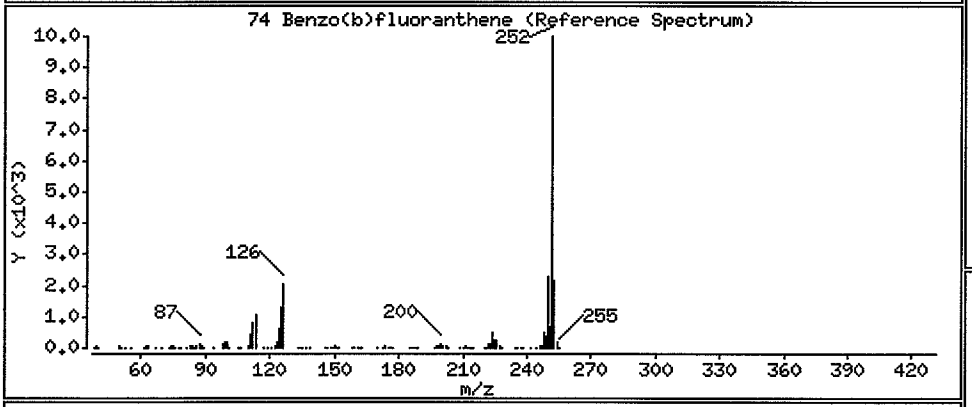
Column diameter: 0.32

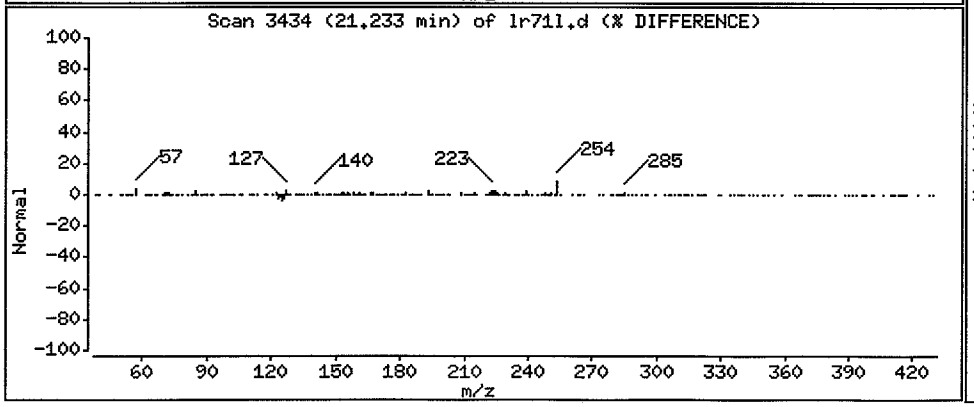
74 Benzo(b)fluoranthene

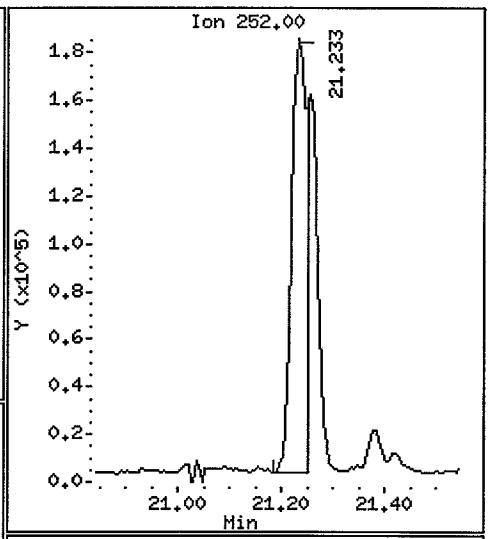
Concentration: 194.3 ug/kg

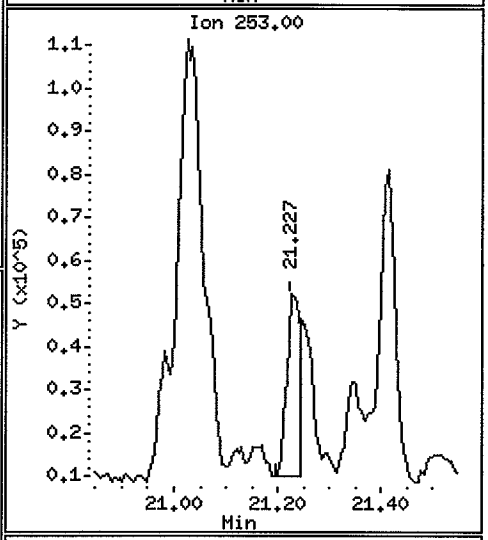


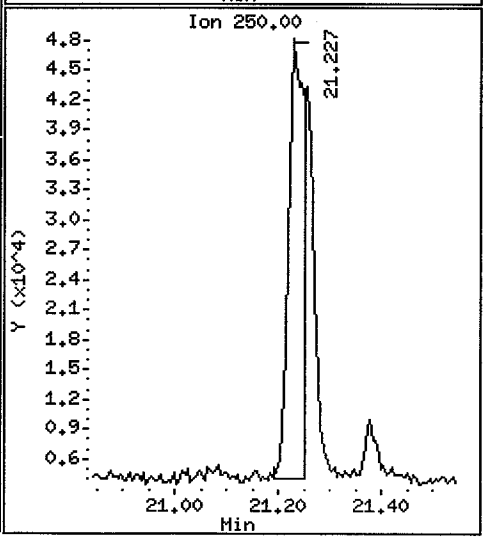












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

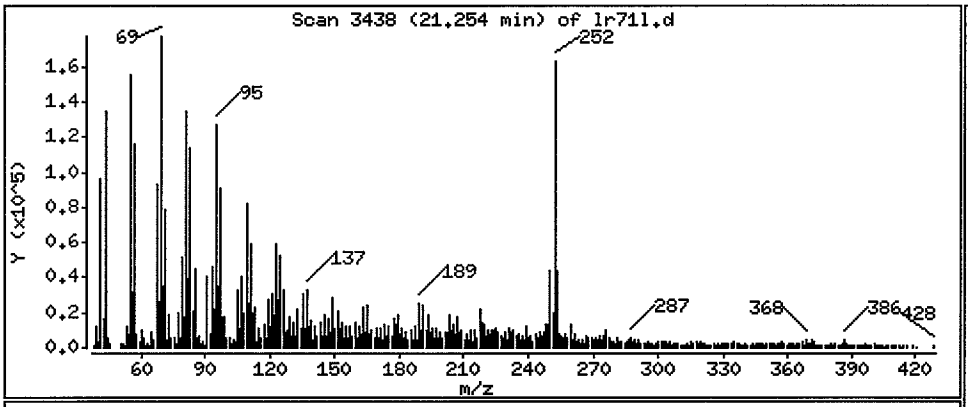
Operator: LJR/VTS

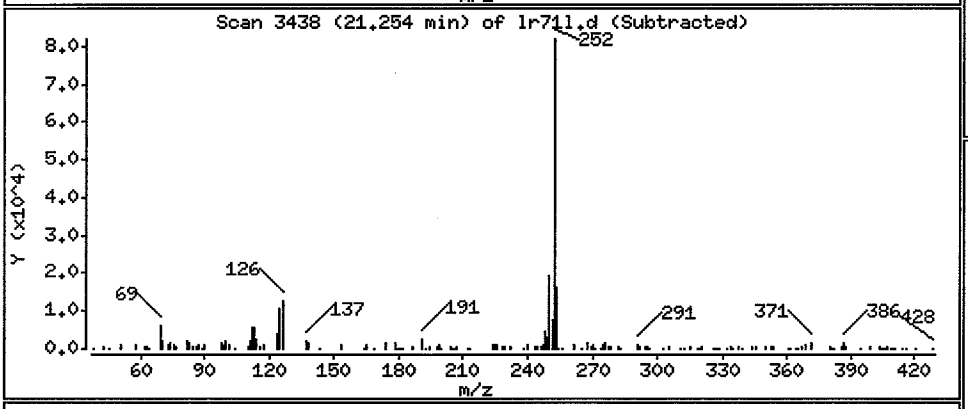
Column phase: ZB-5

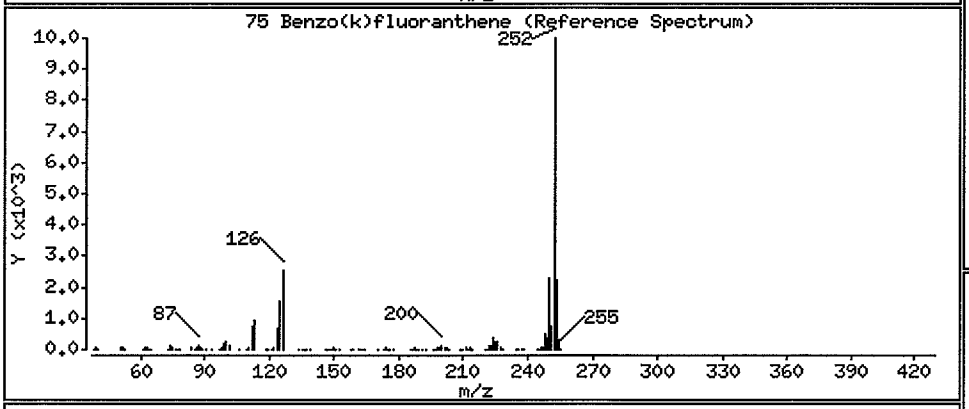
Column diameter: 0.32

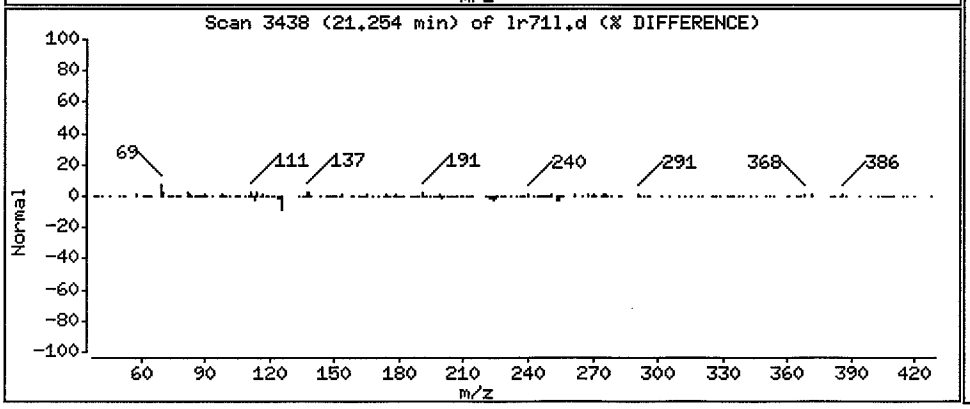
75 Benzo(k)fluoranthene

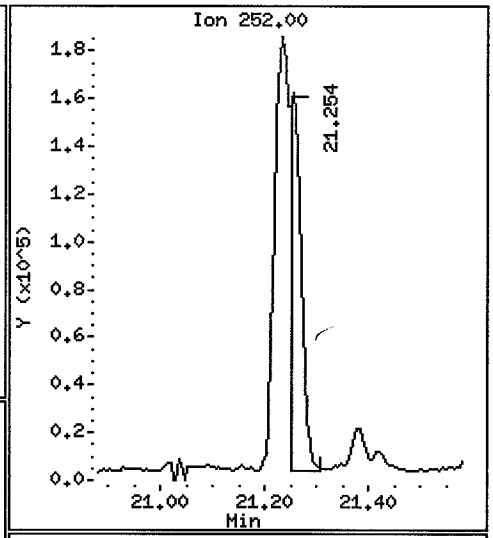
Concentration: 116.9 ug/kg

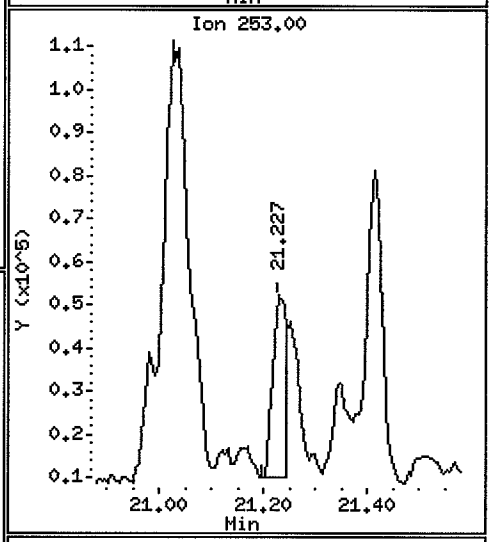


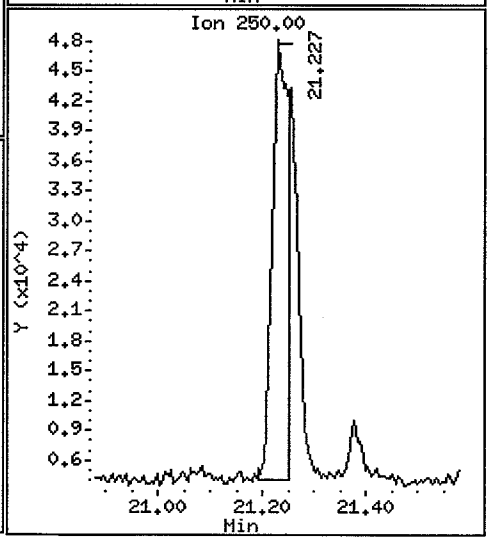












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

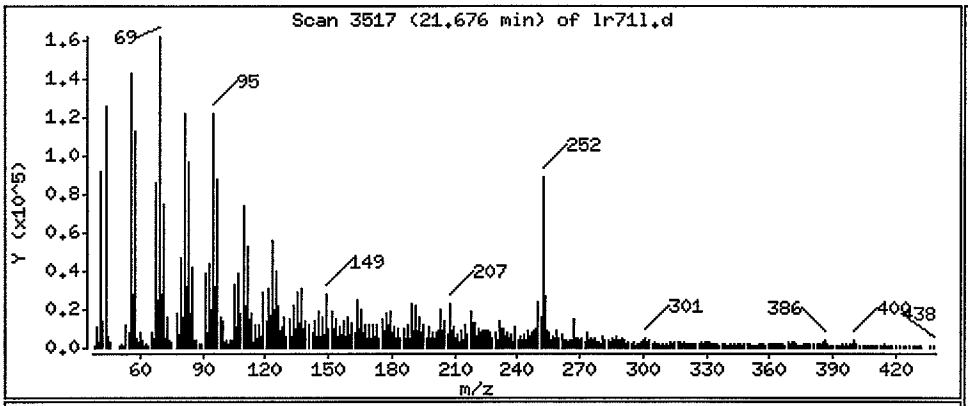
Client ID: AN-SS-09 Instrument: nt6.i

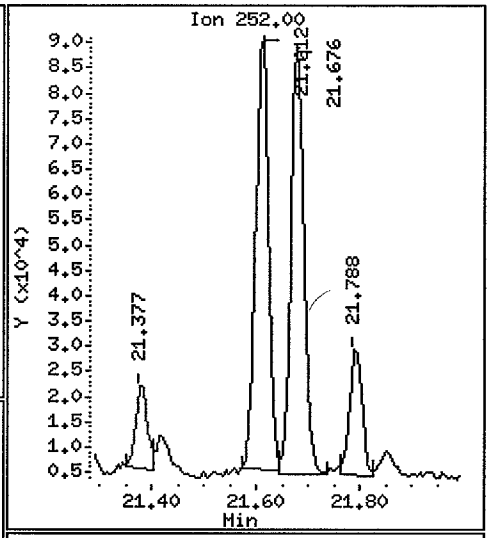
Sample Info: LR71L

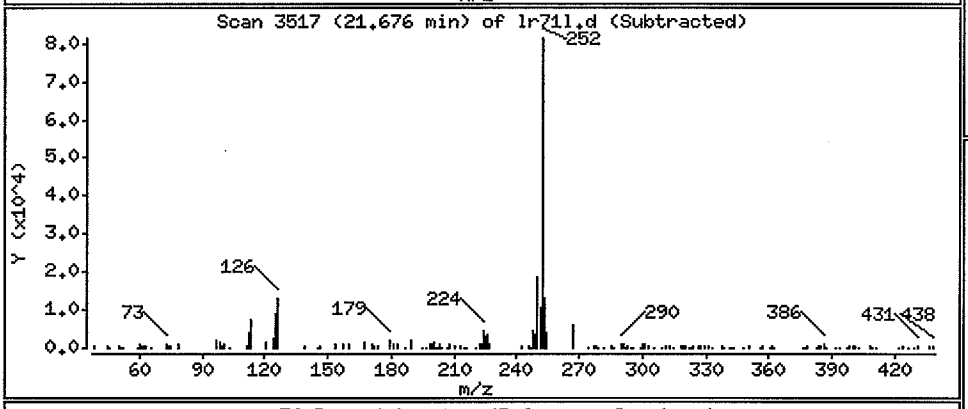
Volume Injected (uL): 1.0 Operator: LJR/VTS

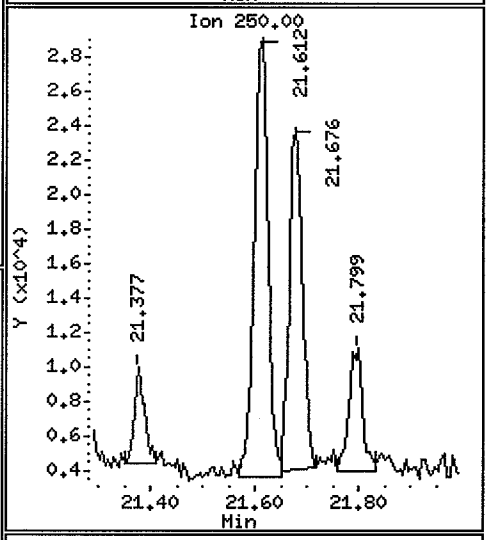
Column phase: ZB-5 Column diameter: 0.32

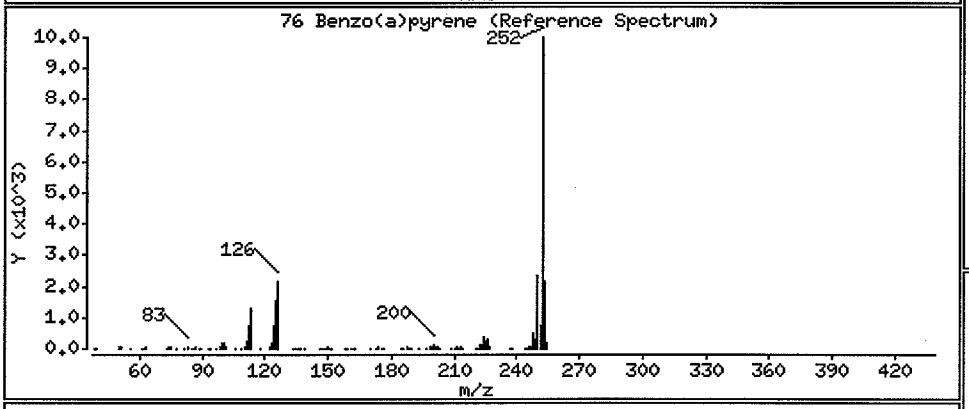
76 Benzo(a)pyrene Concentration: 82.59 ug/kg

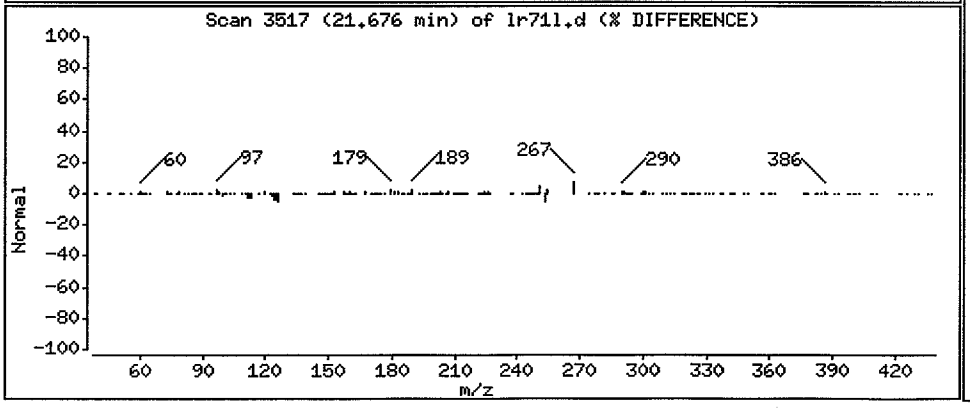


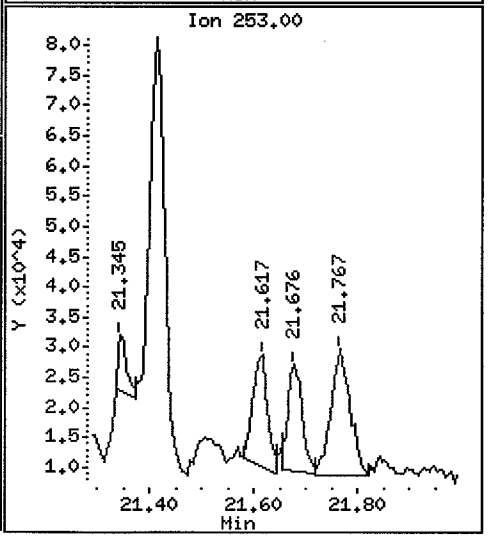












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

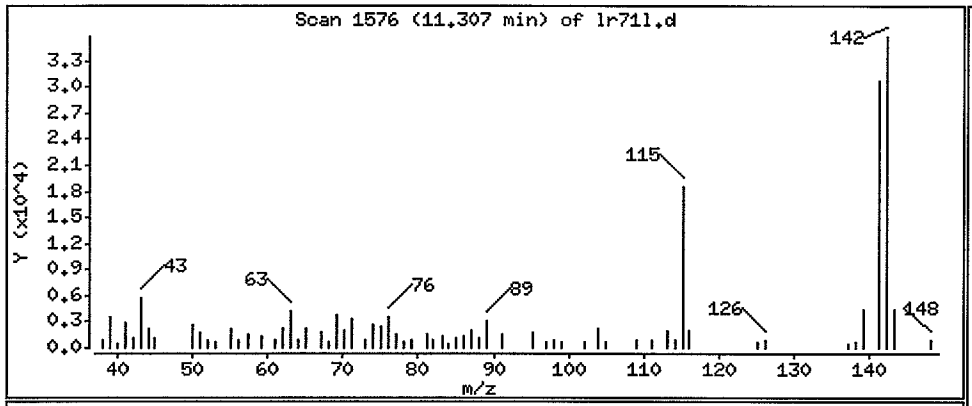
Operator: LJR/VTS

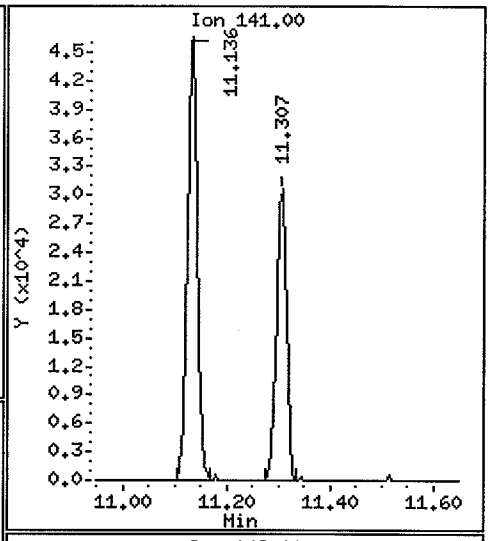
Column phase: ZB-5

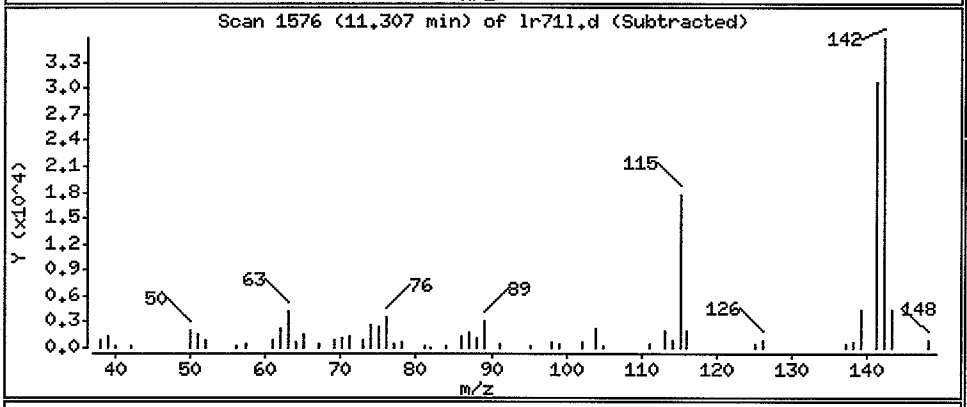
Column diameter: 0.32

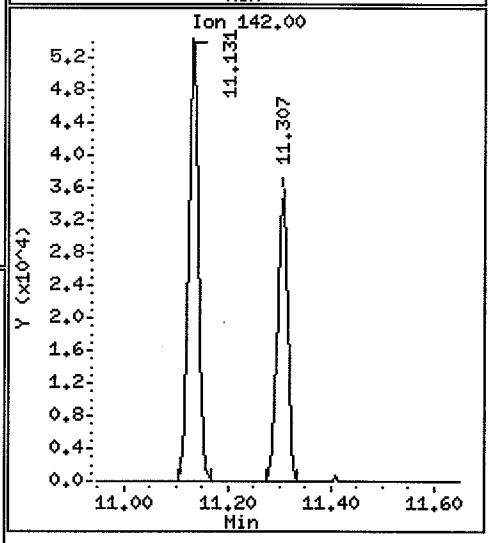
105 1-methylnaphthalene

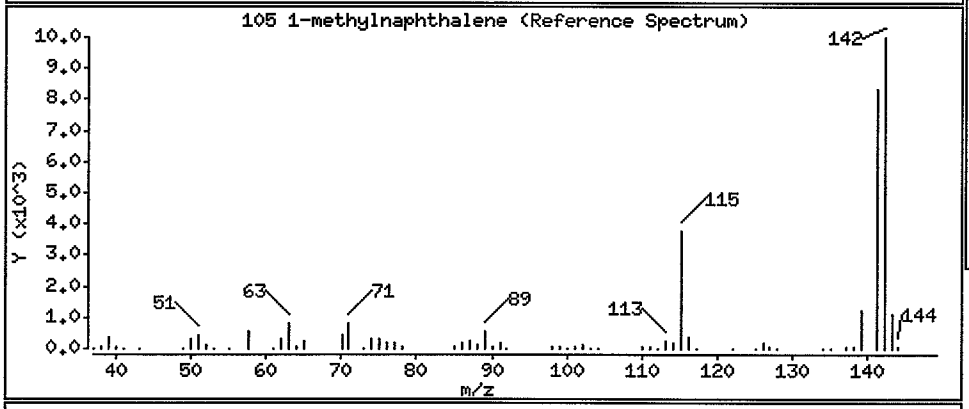
Concentration: 42.53 ug/kg

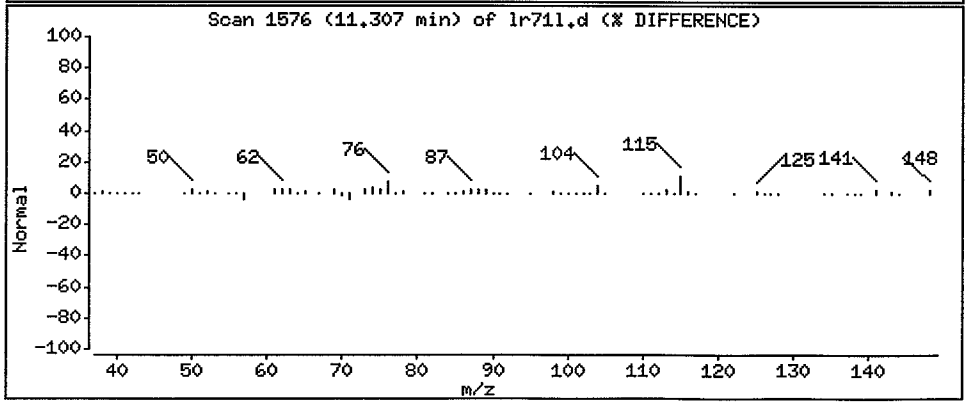












Data File: /chem1/nt6.i/20071018.b/lr71l.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

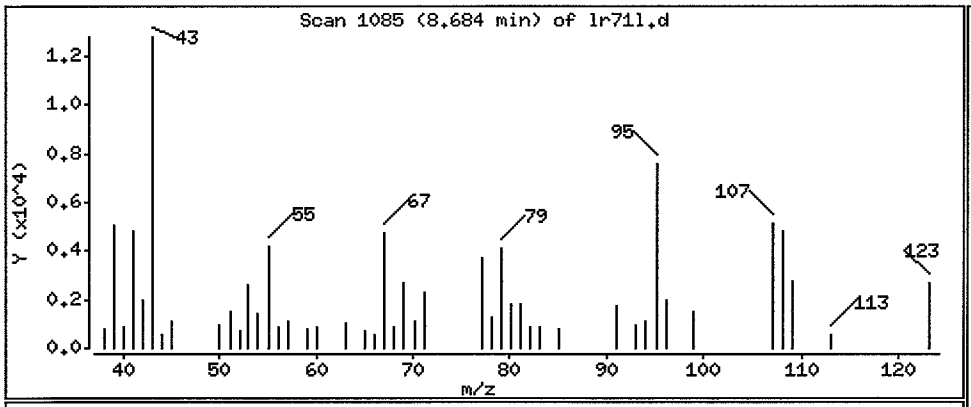
Operator: LJR/VTS

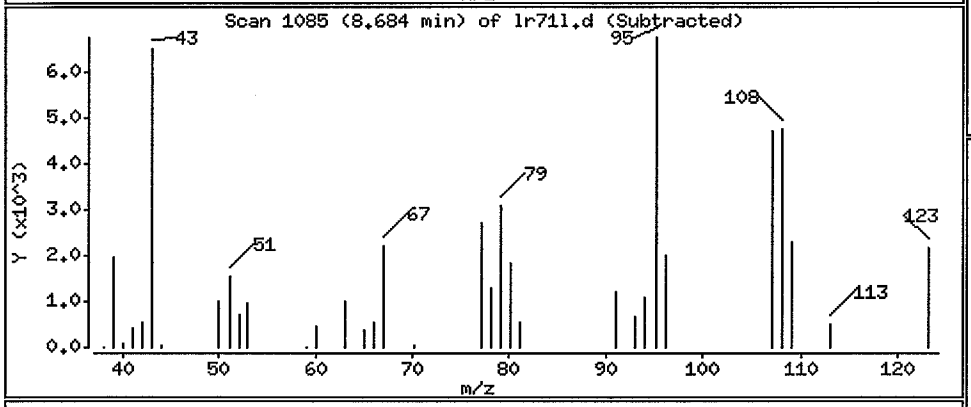
Column phase: ZB-5

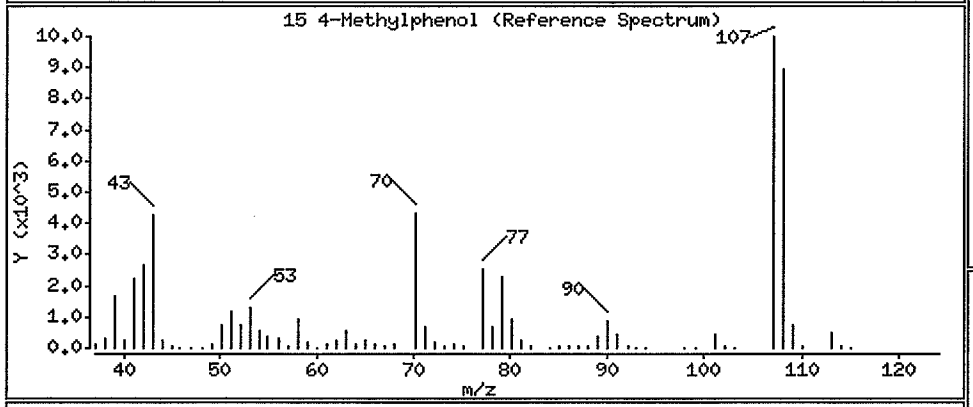
Column diameter: 0.32

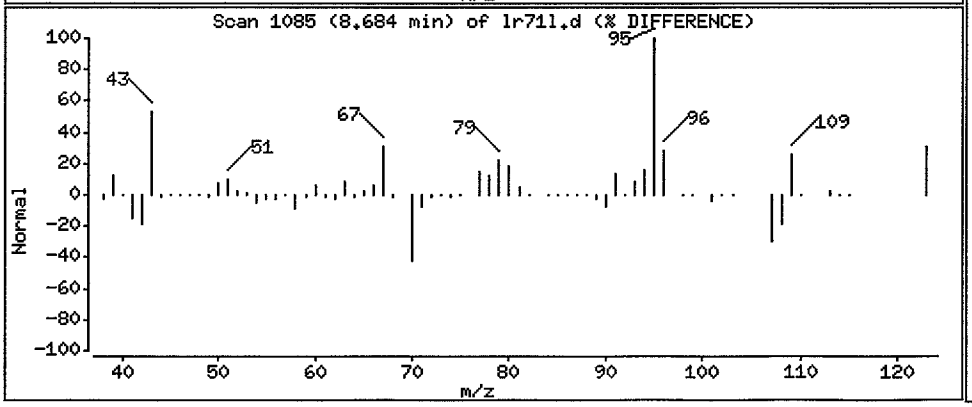
15 4-Methylphenol

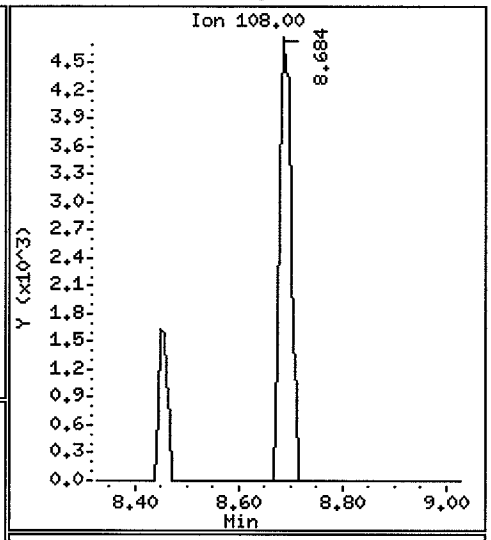
Concentration: 10.85 ug/kg

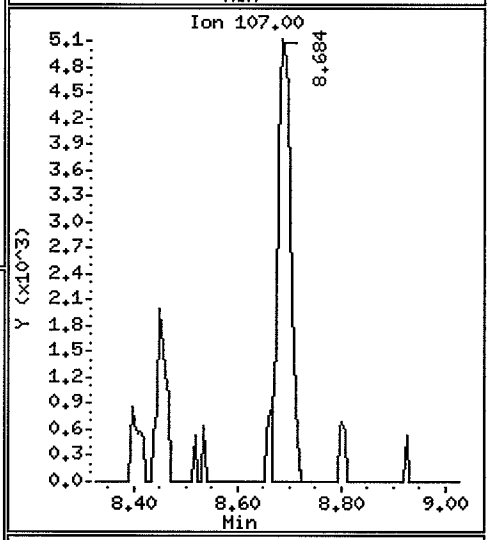


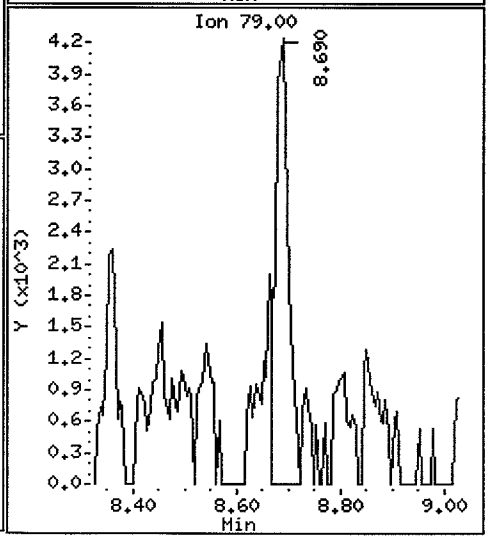












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

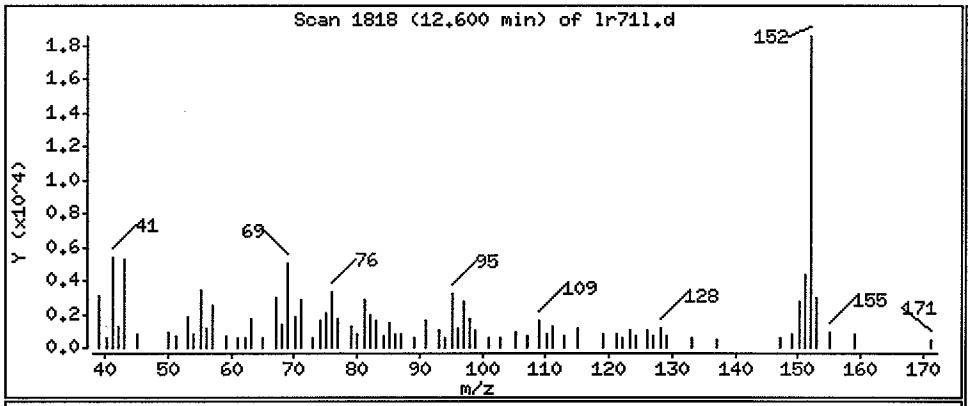
Operator: LJR/VTS

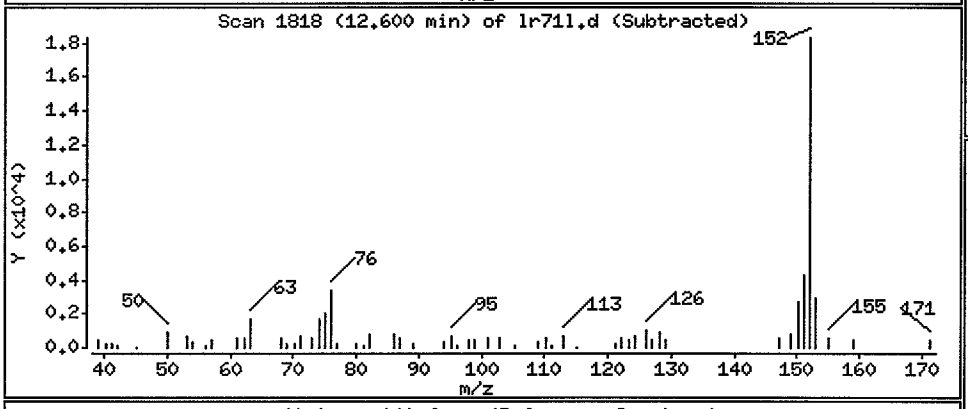
Column phase: ZB-5

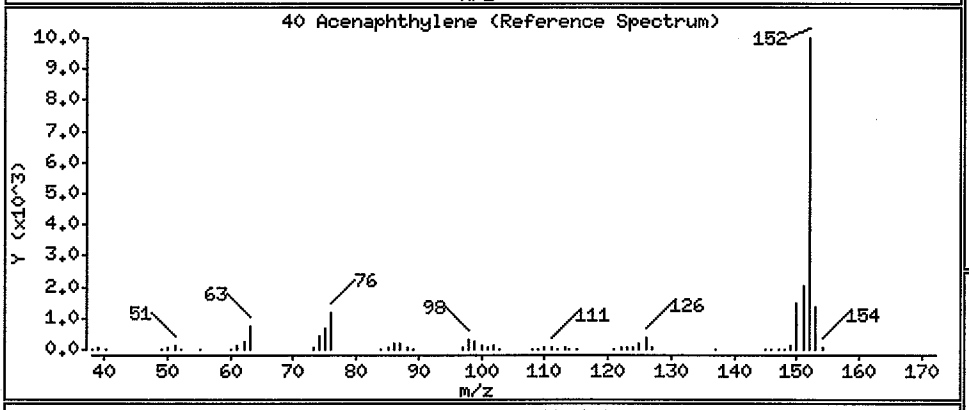
Column diameter: 0.32

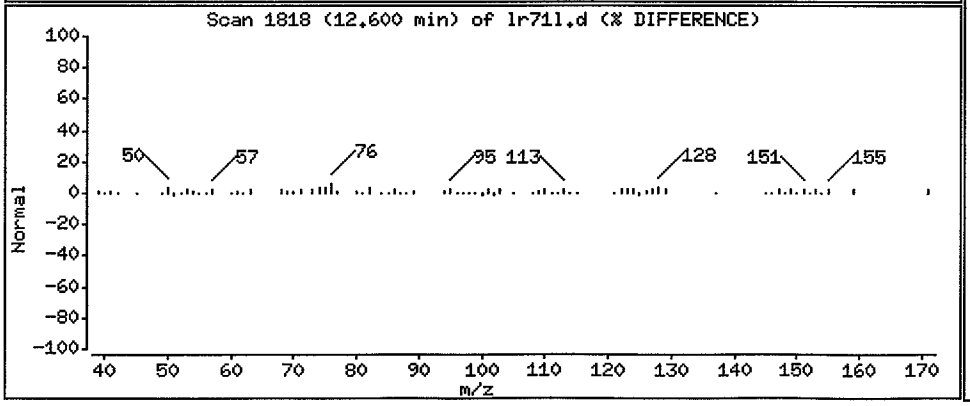
40 Acenaphthylene

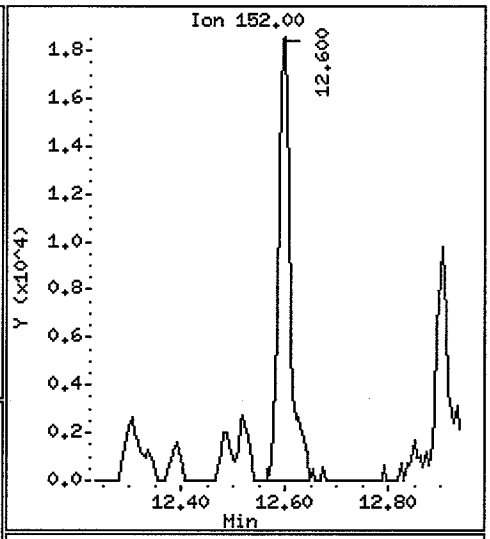
Concentration: 14.32 ug/kg

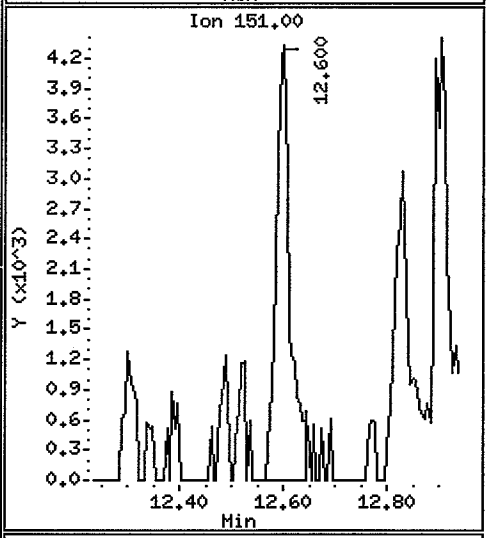


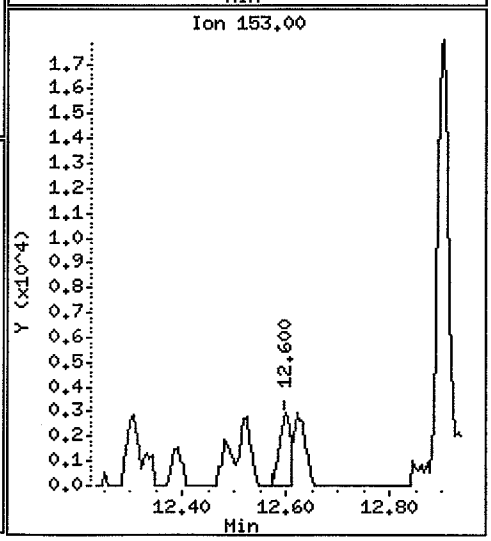












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

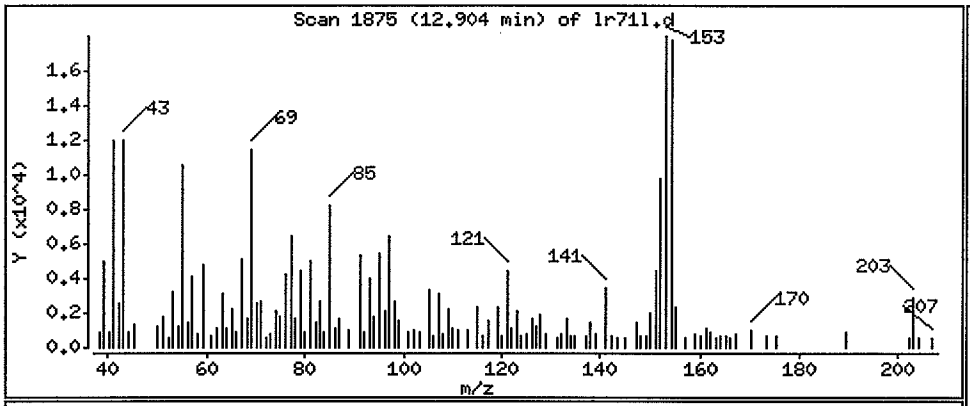
Operator: LJR/VTS

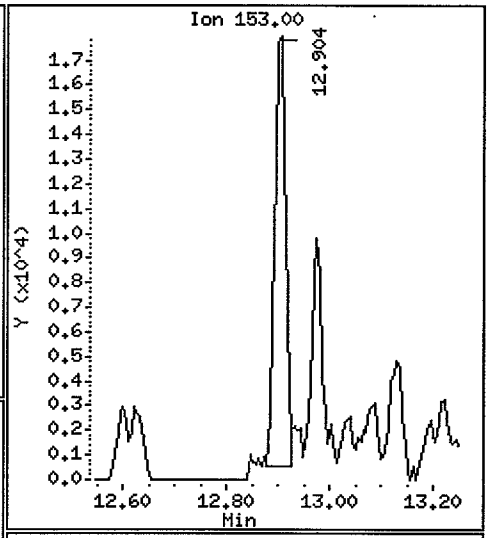
Column phase: ZB-5

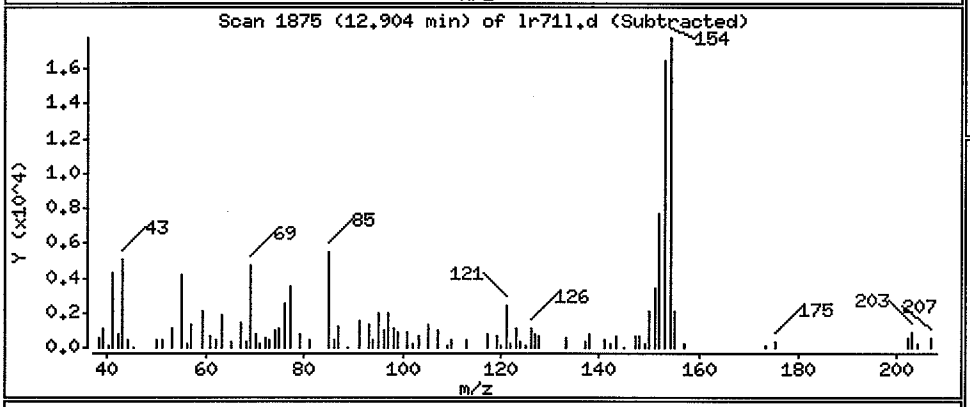
Column diameter: 0.32

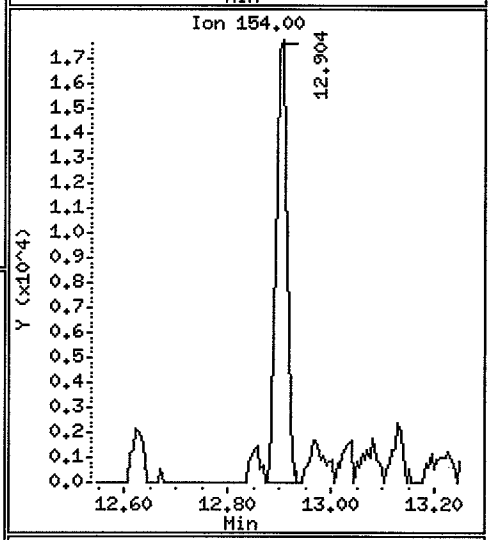
44 Acenaphthene

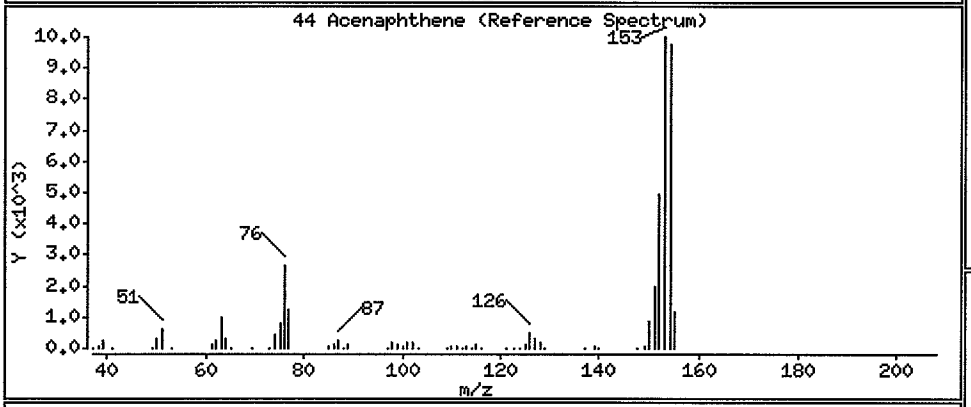
Concentration: 19.39 ug/kg

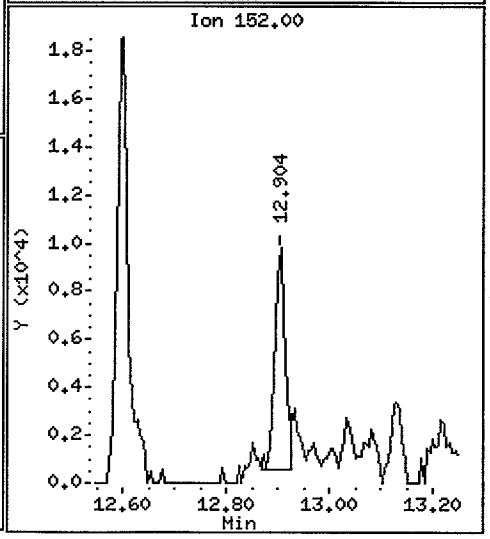


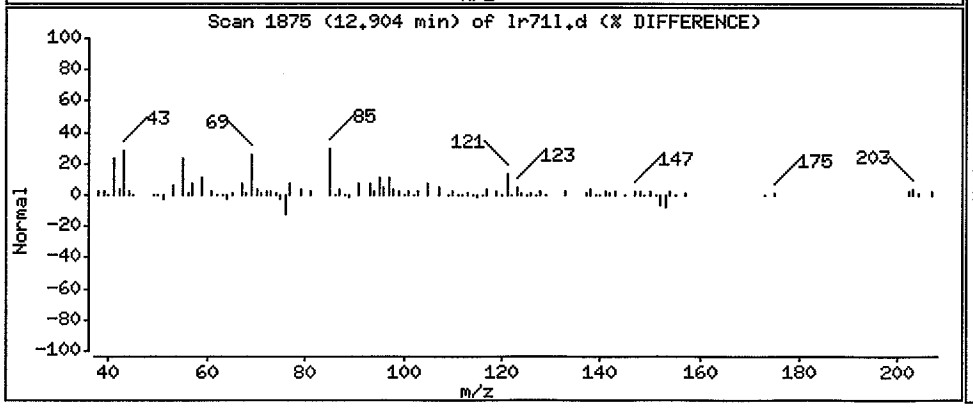












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

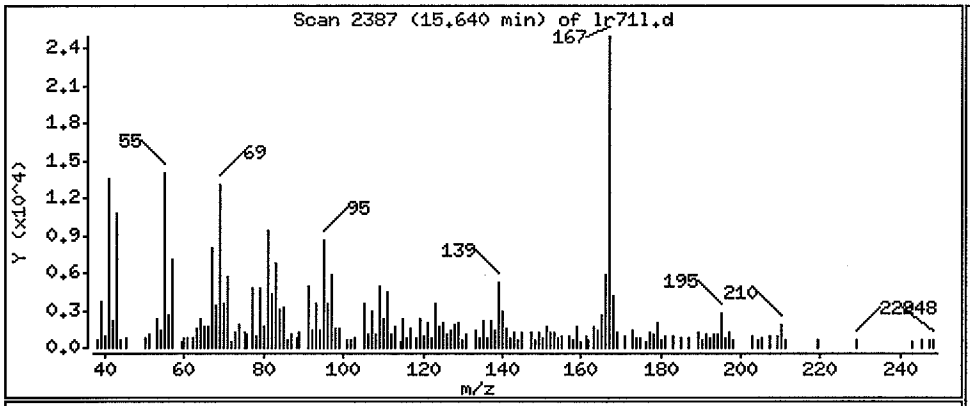
Operator: LJR/VTS

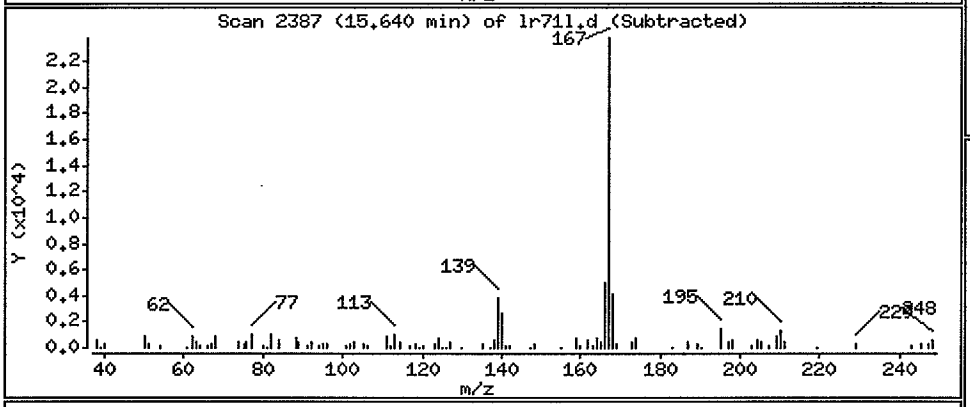
Column phase: ZB-5

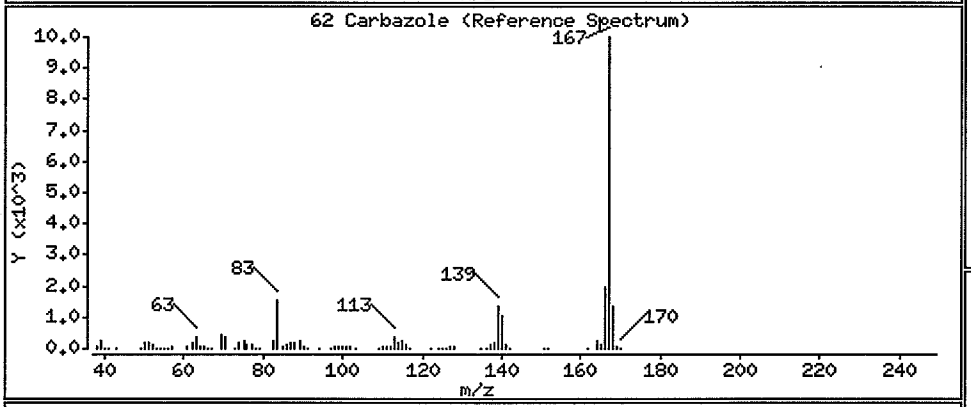
Column diameter: 0.32

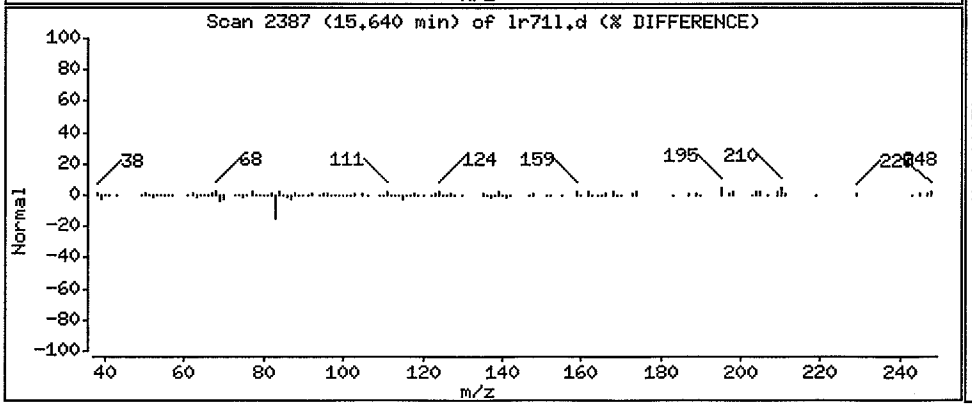
62 Carbazole

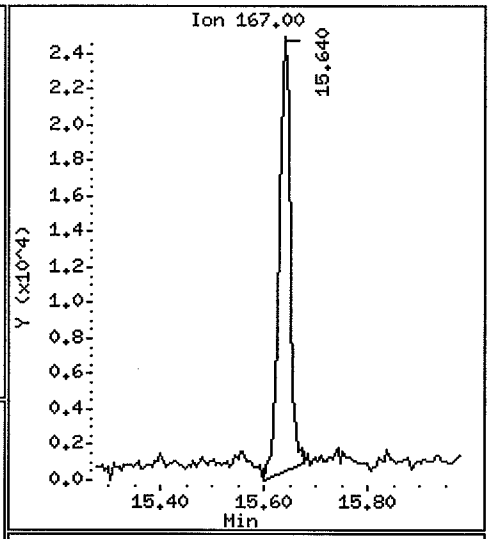
Concentration: 17.62 ug/kg

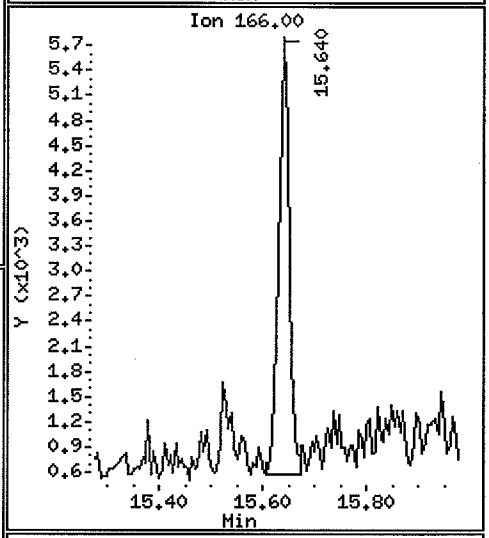


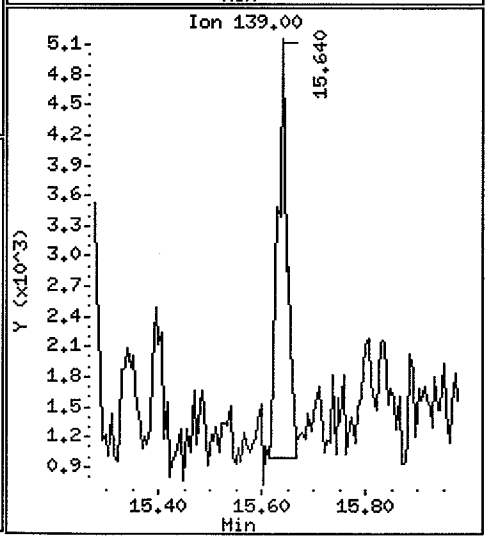












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

Client ID: AN-SS-09

Instrument: nt6.i

Sample Info: LR71L

Volume Injected (uL): 1.0

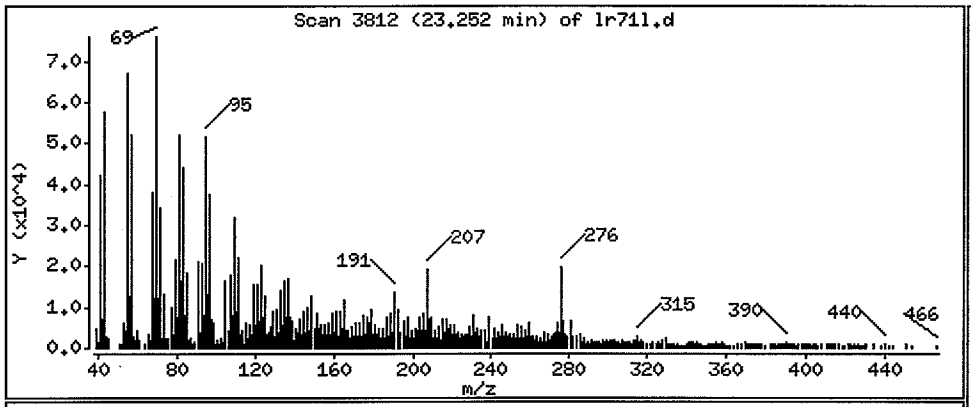
Operator: LJR/VTS

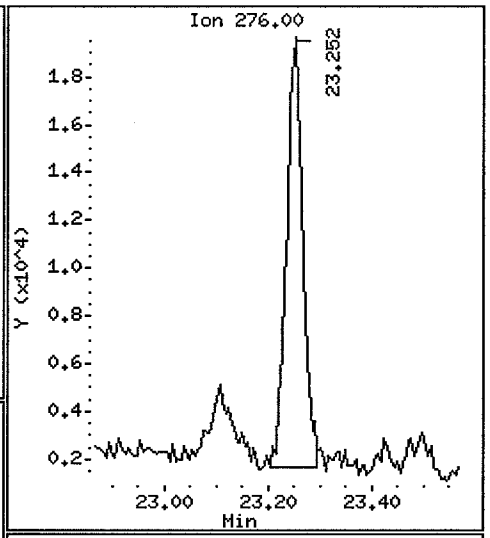
Column phase: ZB-5

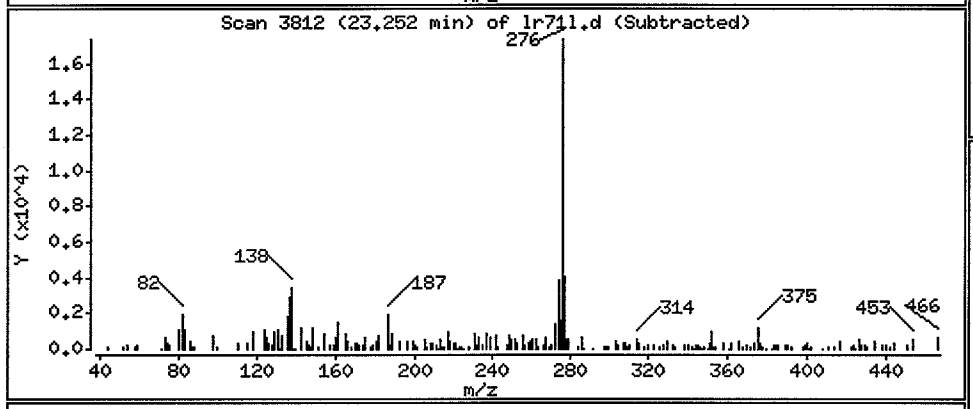
Column diameter: 0.32

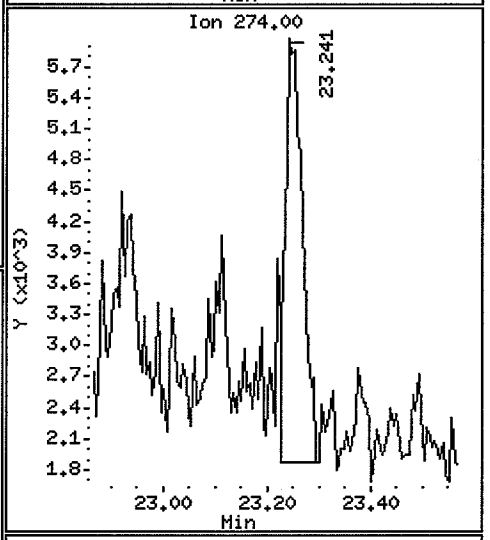
78 Indeno(1,2,3-cd)pyrene

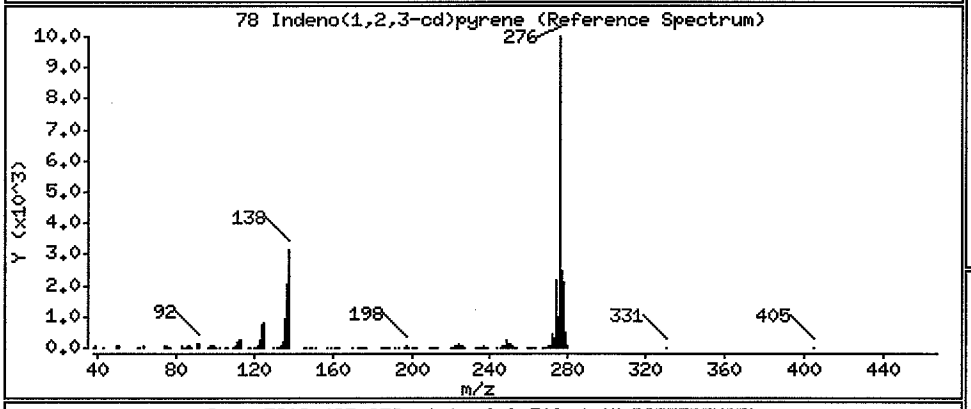
Concentration: 19.07 ug/kg

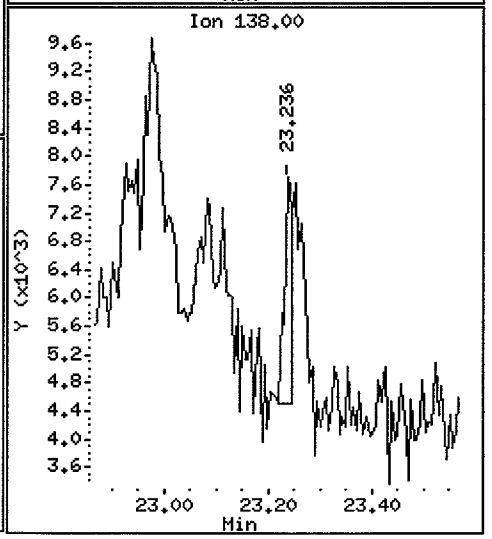


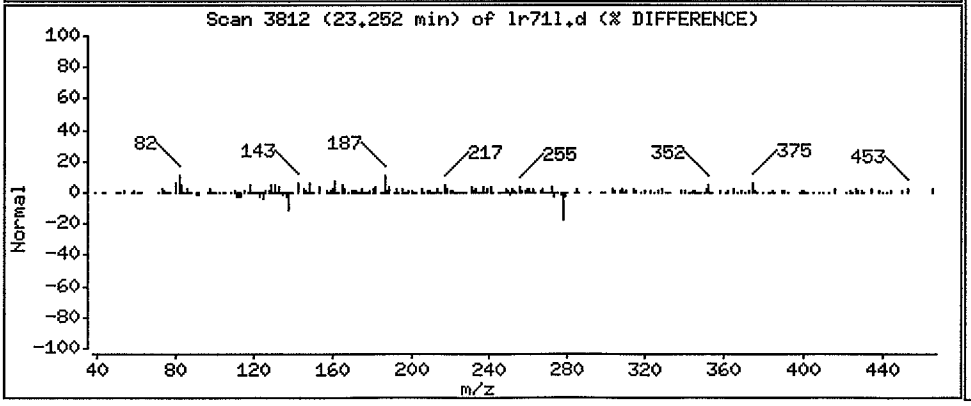












Data File: /chem1/nt6.i/20071018.b/lr711.d

Date : 18-OCT-2007 21:25

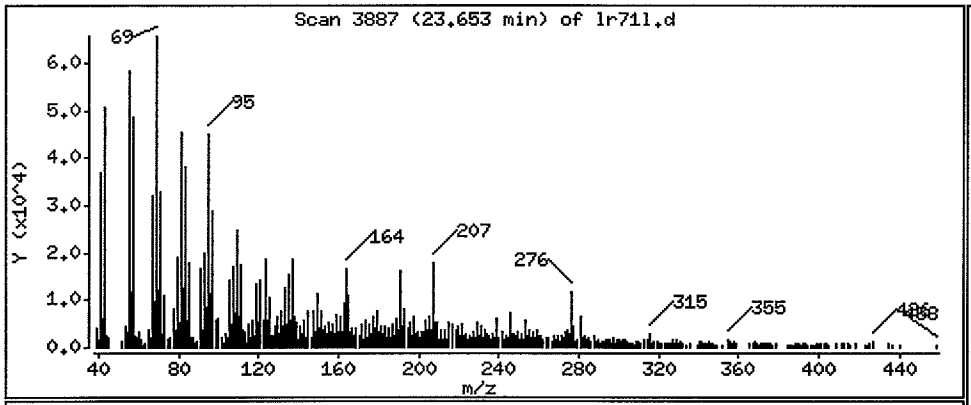
Client ID: AN-SS-09 Instrument: nt6.i

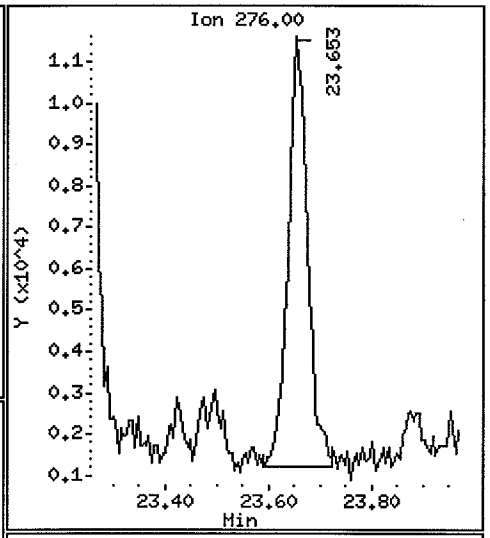
Sample Info: LR71L

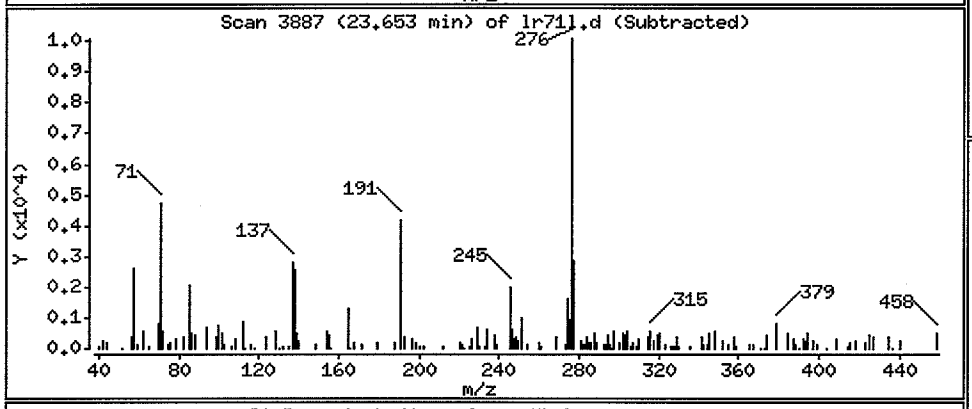
Volume Injected (uL): 1.0 Operator: LJR/VTS

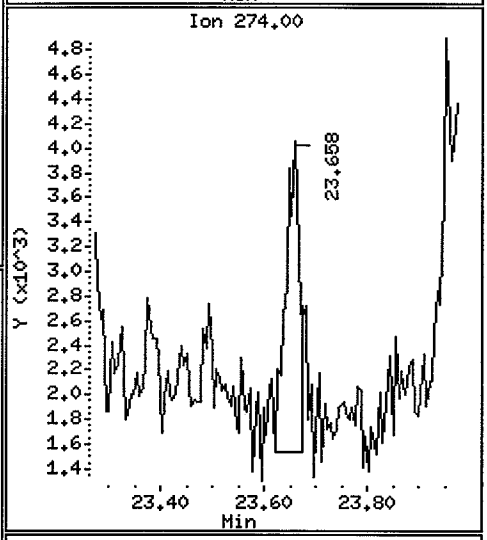
Column phase: ZB-5 Column diameter: 0.32

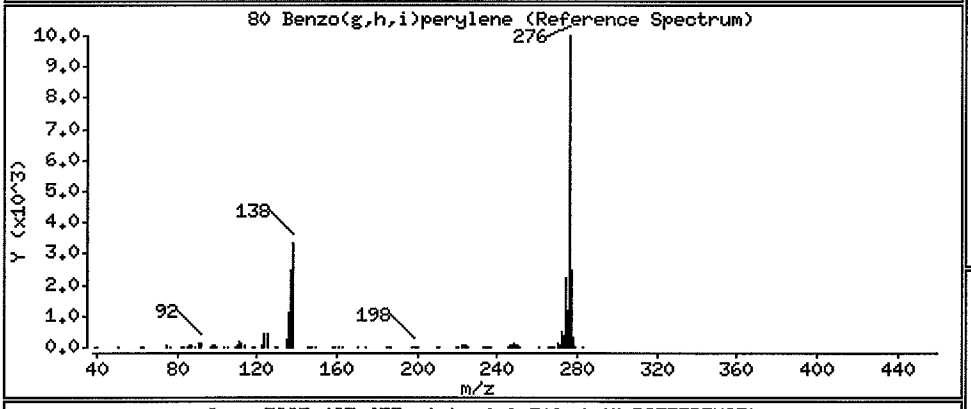
80 Benzo(g,h,i)perylene Concentration: 12.92 ug/kg

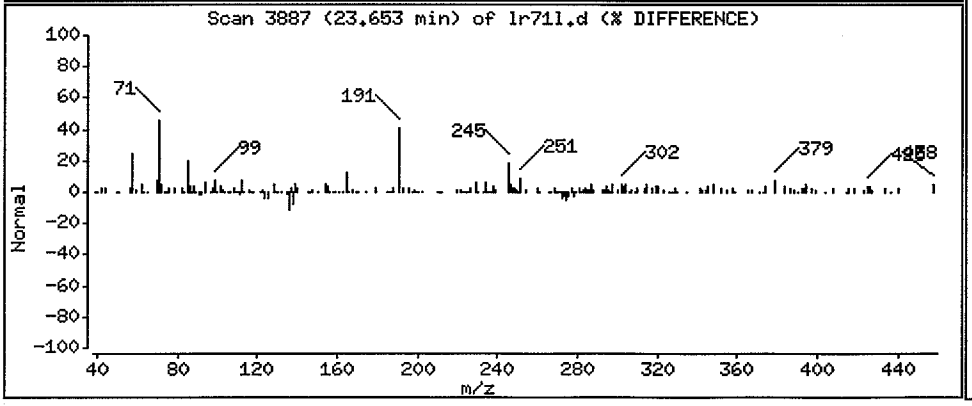


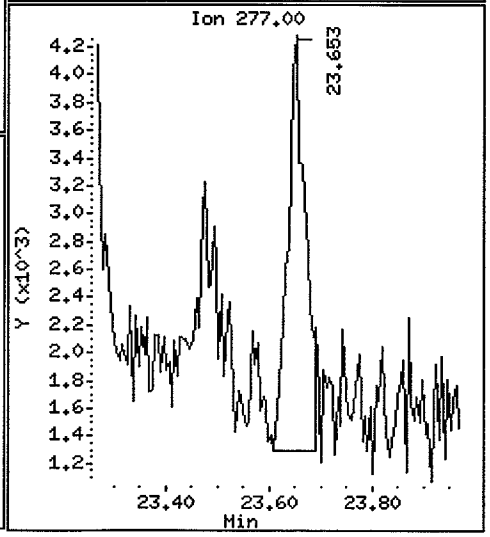












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-09**
Page 1 of 2 **REEXTRACT**

Lab Sample ID: LR71L
LIMS ID: 07-20777
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 22:54
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 34.1%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**52**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**22**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	**Benzoic Acid**	**200**	**210**
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	**Naphthalene**	**20**	**50**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	**2-Methylnaphthalene**	**20**	**140**
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	**Acenaphthene**	**20**	**71**
132-64-9	**Dibenzofuran**	**20**	**88**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**100**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**500**
120-12-7	**Anthracene**	**20**	**130**
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**690**
129-00-0	**Pyrene**	**20**	**430**
85-68-7	Butylbenzylphthalate	80	< 80 Y
56-55-3	**Benzo(a)anthracene**	**20**	**160**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**150**
218-01-9	**Chrysene**	**20**	**220**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**180**
207-08-9	**Benzo(k)fluoranthene**	**20**	**160**
50-32-8	**Benzo(a)pyrene**	**20**	**150**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**43**
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	**Benzo(g,h,i)perylene**	**20**	**27**

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-09
REEXTRACT

Lab Sample ID: LR71L
LIMS ID: 07-20777
Matrix: Sediment
Date Analyzed: 11/01/07 22:54

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	95

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	58.8%	2-Fluorobiphenyl	59.2%
d14-p-Terphenyl	59.6%	d4-1,2-Dichlorobenzene	54.0%
d5-Phenol	57.1%	2-Fluorophenol	42.4%
2,4,6-Tribromophenol	60.5%	d4-2-Chlorophenol	57.3%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071101.b/lr71l2.d
Lab Smp Id: LR71LRE
Inj Date : 01-NOV-2007 22:54
Operator : VTS Inst ID: nt4.i
Smp Info : LR71LRE
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt4.i/20071101.b/SW846.m
Meth Date : 02-Nov-2007 11:41 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 11:04 Cal File: 0801001.d
Als bottle: 18
Dil Factor: 1.00000
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	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% 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	4.859	4.748	(0.712)	221274	15.8830	317.7
$	2	Phenol-d5	99	6.521	6.489	(0.955)	333873	21.4110	428.2
	3	Phenol	94	6.537	6.505	(0.958)	48457	2.61657	52.33
$	5	2-Chlorophenol-d4	132	6.547	6.521	(0.959)	248677	21.4990	430.0
	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	6.825	6.820	(1.000)	164643	20.0000	
	9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10	1,2-Dichlorobenzene-d4	152	7.124	7.114	(1.044)	100369	13.4857	269.7
	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	7.707	7.686	(1.129)	13653	1.09640	21.93
$ 18	Nitrobenzene-d5	82	7.776	7.771	(0.876)	227864	14.6966	293.9
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	8.764	8.813	(0.987)	106499	10.7588	215.2(M)
25	2,4-Dichlorophenol	162	Compound Not Detected.					
26	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
* 27	Naphthalene-d8	136	8.876	8.872	(1.000)	587768	20.0000	
28	Naphthalene	128	8.903	8.899	(1.003)	90959	2.52072	50.41
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	10.020	10.015	(1.129)	134612	7.32307	146.5
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	10.677	10.677	(0.913)	331088	14.8233	296.5
37	2-Chloronaphthalene	162	Compound Not Detected.					
38	2-Nitroaniline	65	Compound Not Detected.					
39	Dimethylphthalate	163	Compound Not Detected.					
40	Acenaphthylene	152	11.435	11.431	(0.978)	23213	0.73376 LOC	14.68
41	2,6-Dinitrotoluene	165	Compound Not Detected.					
* 42	Acenaphthene-d10	164	11.692	11.682	(1.000)	323476	20.0000	
43	3-Nitroaniline	138	Compound Not Detected.					
44	Acenaphthene	153	11.734	11.730	(1.004)	74669	3.55552	71.11
45	2,4-Dinitrophenol	184	Compound Not Detected.					
46	Dibenzofuran	168	11.996	11.992	(1.026)	121936	4.45804	89.16
47	4-Nitrophenol	109	Compound Not Detected.					
48	2,4-Dinitrotoluene	165	Compound Not Detected.					
50	Diethylphthalate	149	Compound Not Detected.					
49	Fluorene	166	12.541	12.537	(1.073)	119665	5.12710	102.5
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	12.963	12.953	(1.109)	63132	22.6717	453.4
56	4-Bromophenyl-phenylether	248	Compound Not Detected.					
57	Hexachlorobenzene	284	Compound Not Detected.					
58	Pentachlorophenol	266	Compound Not Detected.					
* 59	Phenanthrene-d10	188	14.005	14.000	(1.000)	493723	20.0000	
60	Phenanthrene	178	14.042	14.032	(1.003)	868748	25.4599	509.2
61	Anthracene	178	14.112	14.102	(1.008)	228065	6.60976	132.2
62	Carbazole	167	14.427	14.412	(1.030)	43565	1.47566	29.51
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	15.944	15.923	(1.138)	1290159	34.9232	698.5
65 Pyrene	202	16.281	16.260	(0.891)	971357	21.7446	434.9
$ 66 Terphenyl-d14	244	16.655	16.634	(0.912)	384917	14.9260	298.5
67 Butylbenzylphthalate	149	17.627	17.558	(0.965)	76071	4.06185 Y	81.24
68 Benzo(a)anthracene	228	18.252	18.199	(0.999)	336018	8.11103	162.2
* 69 Chrysene-d12	240	18.268	18.221	(1.000)	557406	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	18.300	18.258	(1.002)	442833	10.8670	217.3(M)
72 bis(2-Ethylhexyl)phthalate	149	18.615	18.578	(0.952)	182756	7.71054	154.2
* 134 Di-n-octylphthalate-d4	153	19.545	19.503	(1.000)	752279	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	19.887	19.818	(0.975)	275125	8.93674	178.7(M)
75 Benzo(k)fluoranthene	252	19.892	19.850	(0.975)	261711	8.04729	160.9(M)
76 Benzo(a)pyrene	252	20.314	20.245	(0.996)	207362	7.56327	151.3(M)
* 77 Perylene-d12	264	20.394	20.325	(1.000)	452167	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	21.730	21.661	(1.065)	65447	2.17175	43.44(M)
79 Dibenzo(a,h)anthracene	278	21.767	21.693	(1.067)	20766	0.83901 LOC	16.78(M)
80 Benzo(g,h,i)perylene	276	22.034	21.944	(1.080)	37020	1.36383	27.28(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	10.185	10.181	(1.147)	89532	4.80959	96.19
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: nt4.i
Lab File ID: lr71l2.d
Lab Smp Id: LR71LRE
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

Calibration Date: 01-NOV-2007
Calibration Time: 14:35

Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	145384	72692	290768	164643	13.25
27 Naphthalene-d8	530525	265262	1061050	587768	10.79
42 Acenaphthene-d10	280701	140350	561402	323476	15.24
59 Phenanthrene-d10	391934	195967	783868	493723	25.97
69 Chrysene-d12	354658	177329	709316	557406	57.17
134 Di-n-octylphthala	506314	253157	1012628	752279	48.58
77 Perylene-d12	400782	200391	801564	452167	12.82

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.82	6.32	7.32	6.83	0.07
27 Naphthalene-d8	8.87	8.37	9.37	8.88	0.05
42 Acenaphthene-d10	11.68	11.18	12.18	11.69	0.09
59 Phenanthrene-d10	14.00	13.50	14.50	14.00	0.03
69 Chrysene-d12	18.22	17.72	18.72	18.27	0.26
134 Di-n-octylphthala	19.50	19.00	20.00	19.54	0.22
77 Perylene-d12	20.33	19.83	20.83	20.39	0.34

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

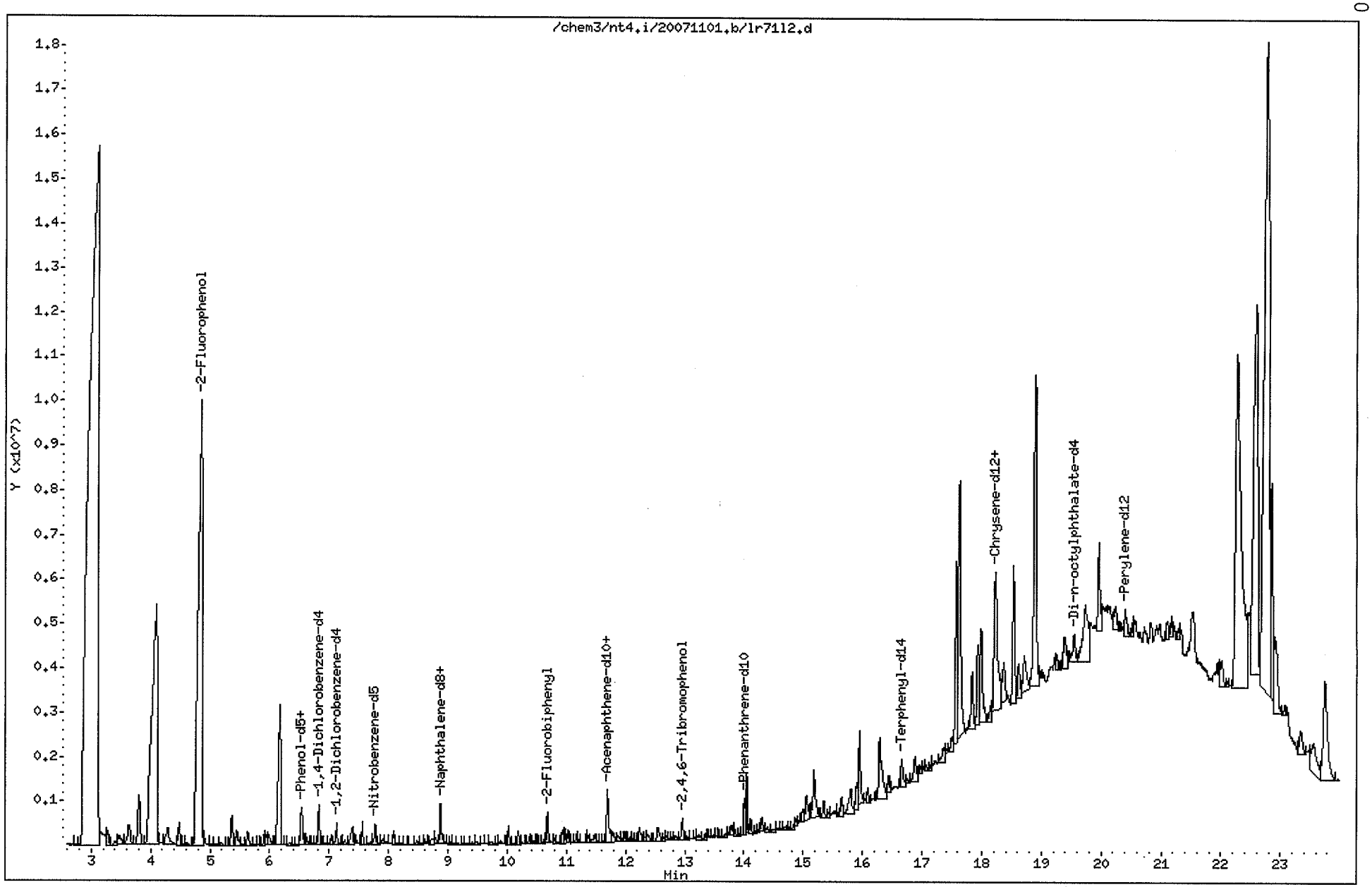
Client Name: Client SDG: 20071101
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: LR71LRE
Level: LOW Operator: VTS
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: PSDDALCS.spk Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	317.7	42.35	11-84
$ 2 Phenol-d5	750.0	428.2	57.10	25-86
$ 5 2-Chlorophenol-d4	750.0	430.0	57.33	23-91
$ 10 1,2-Dichlorobenzen	500.0	269.7	53.94	24-90
$ 18 Nitrobenzene-d5	500.0	293.9	58.79	26-88
$ 36 2-Fluorobiphenyl	500.0	296.5	59.29	34-91
$ 55 2,4,6-Tribromophen	750.0	453.4	60.46	25-107
$ 66 Terphenyl-d14	500.0	298.5	59.70	22-100

Data File: /chem3/nt4.i/20071101.b/lr7112.d
Date : 01-NOV-2007 22:54
Client ID:
Sample Info: LR71LRE
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt4.i
Operator: VTS
Column diameter: 0.32

0750



Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

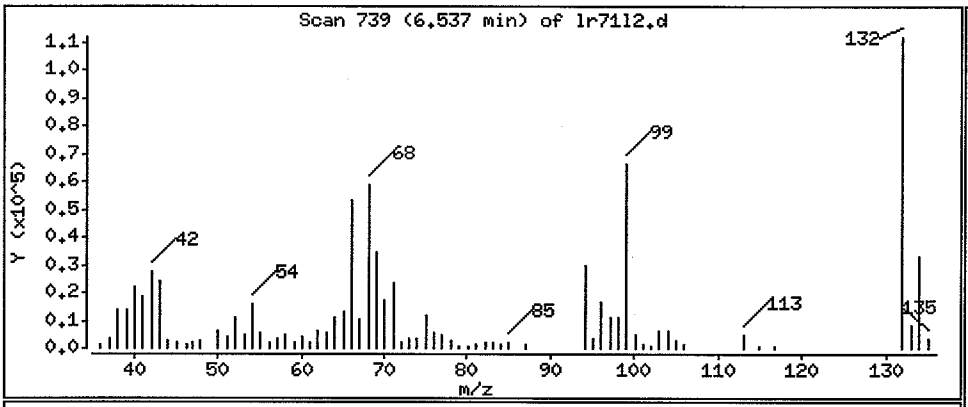
Operator: VTS

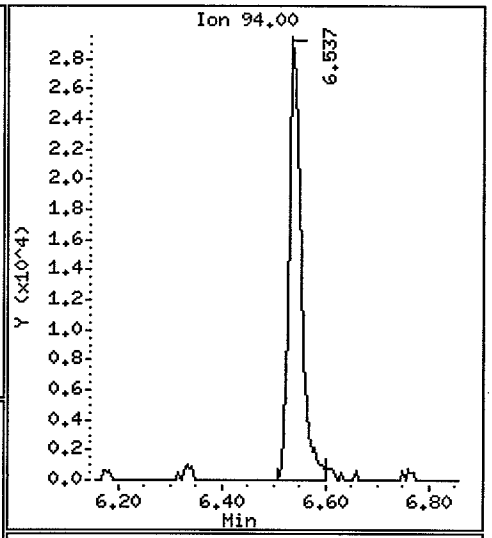
Column phase: ZB-5

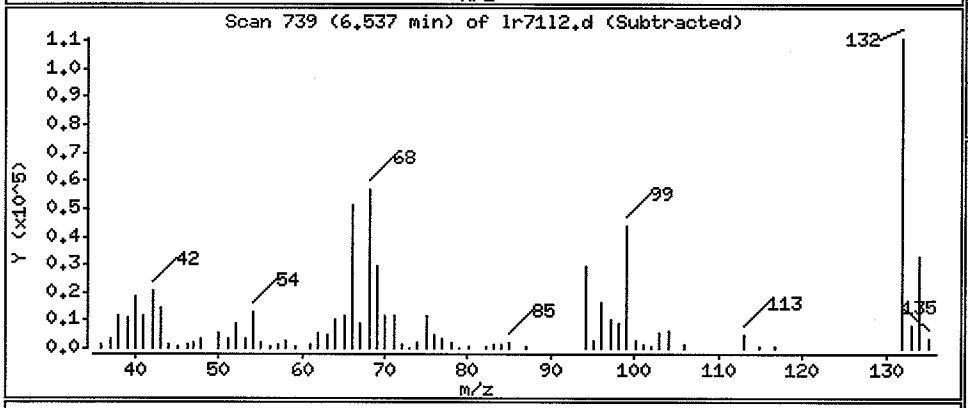
Column diameter: 0.32

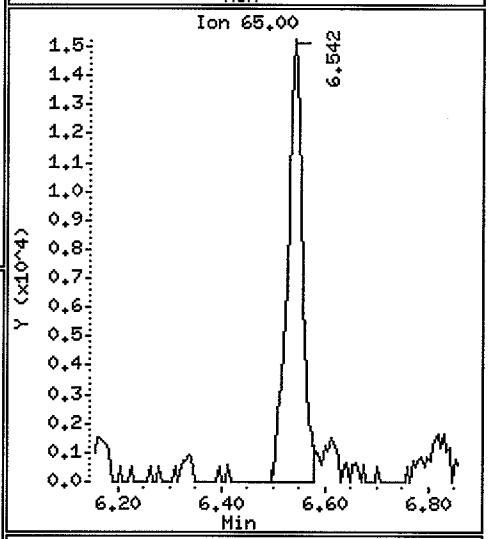
3 Phenol

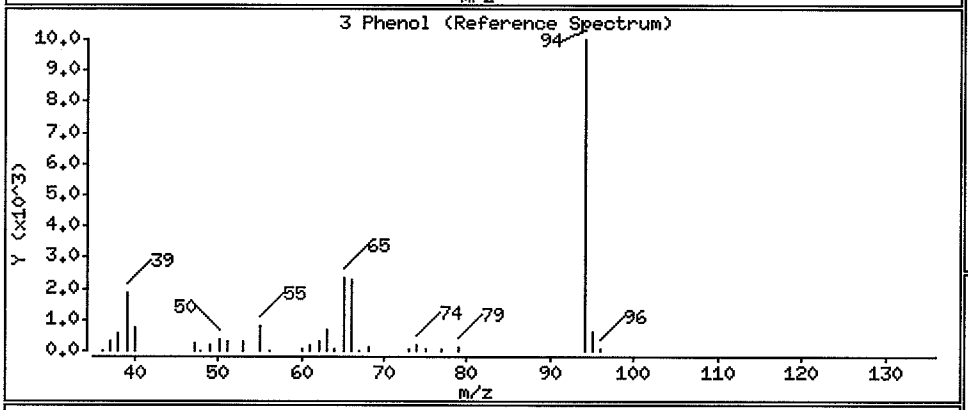
Concentration: 52.33 ug/Kg

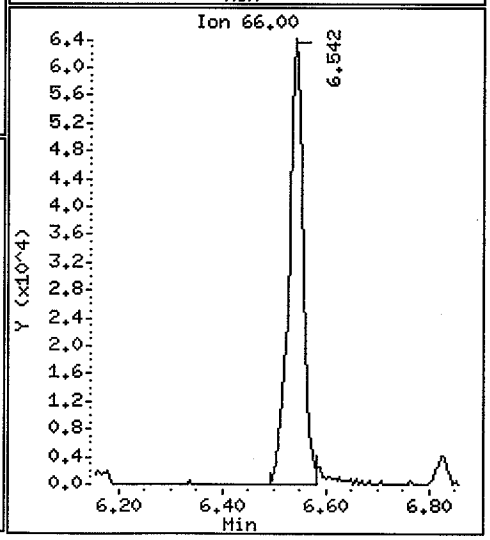


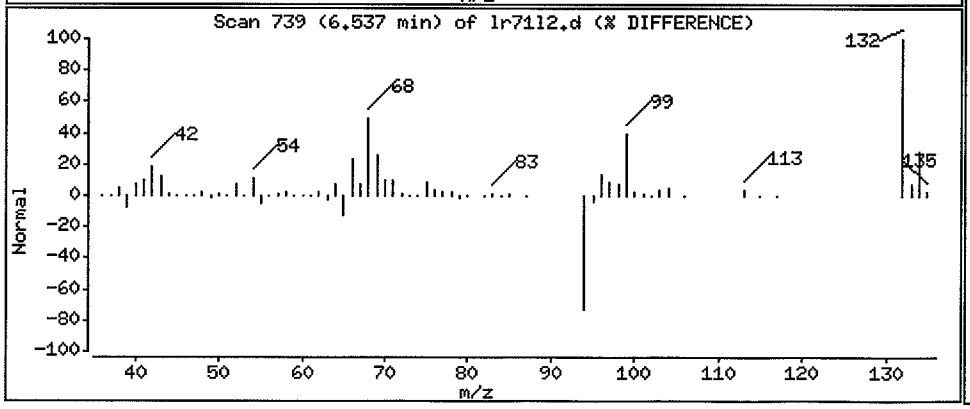












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

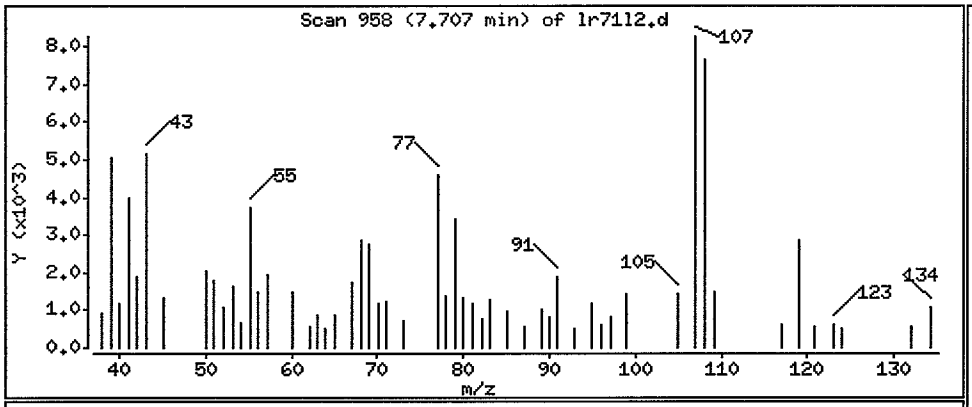
Operator: VTS

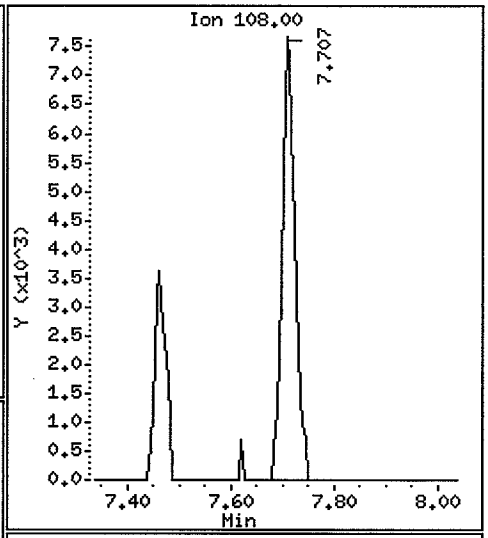
Column phase: ZB-5

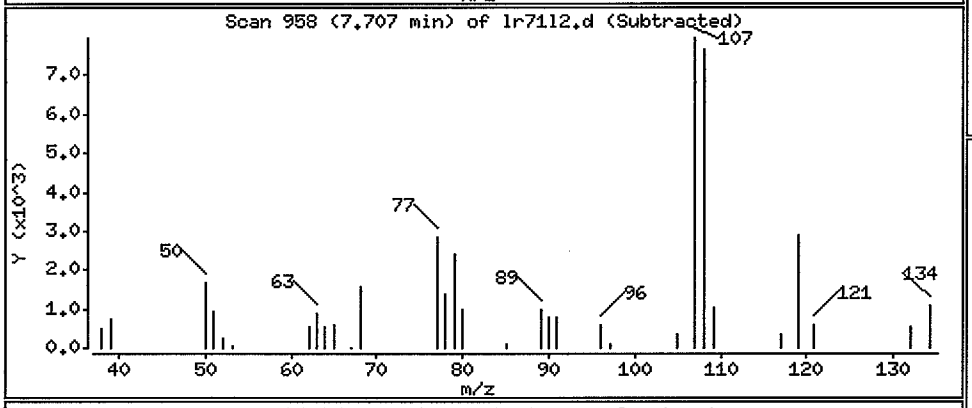
Column diameter: 0.32

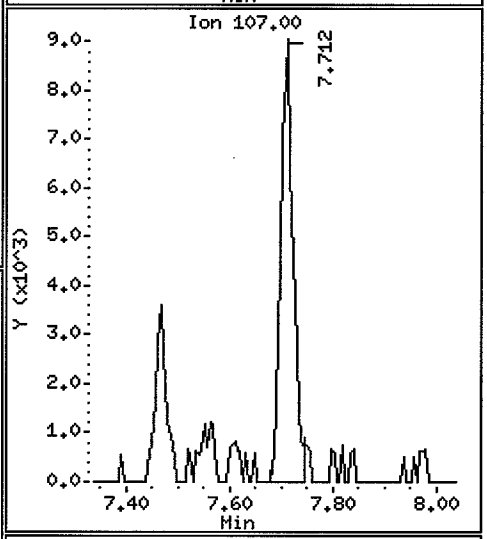
15 4-Methylphenol

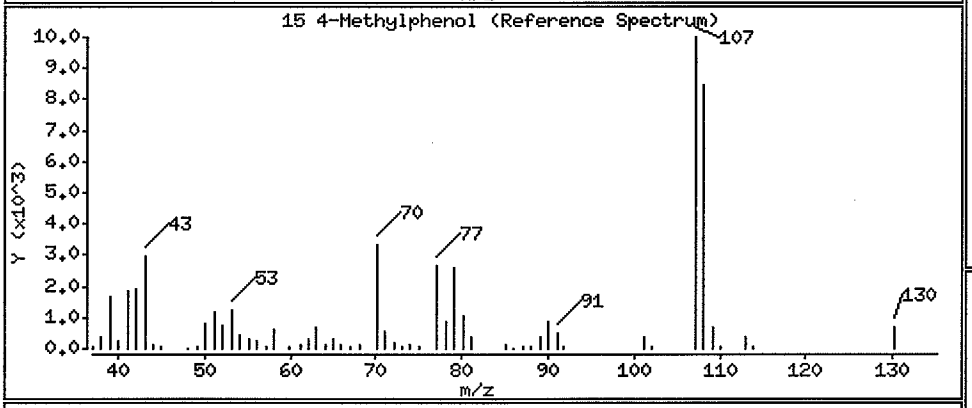
Concentration: 21.93 ug/Kg

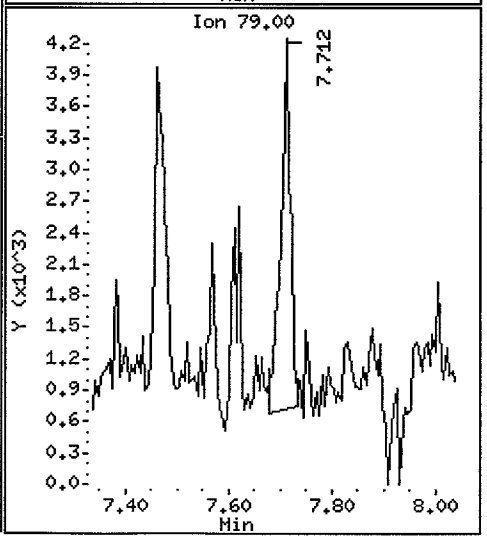


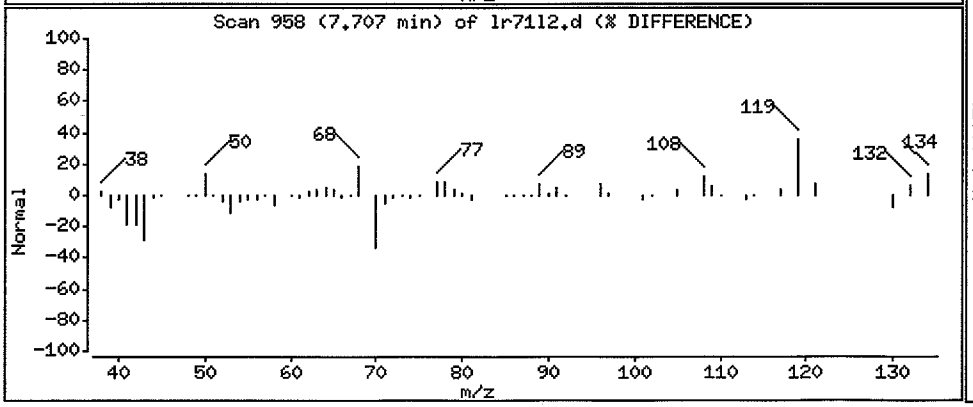












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

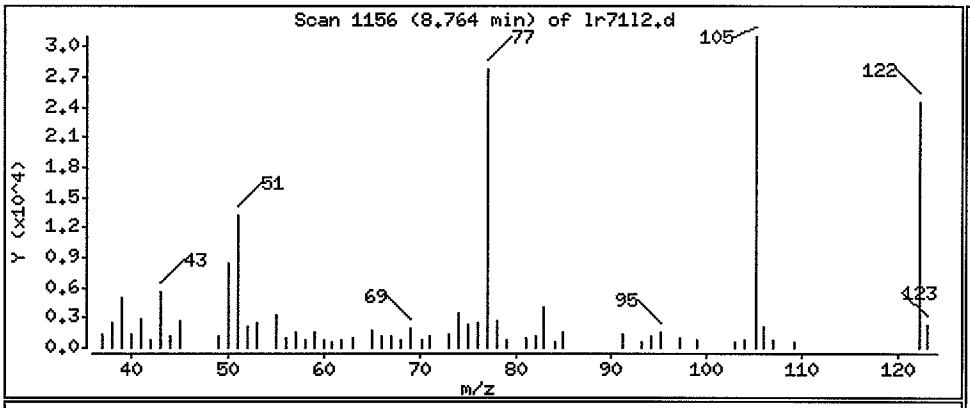
Operator: VTS

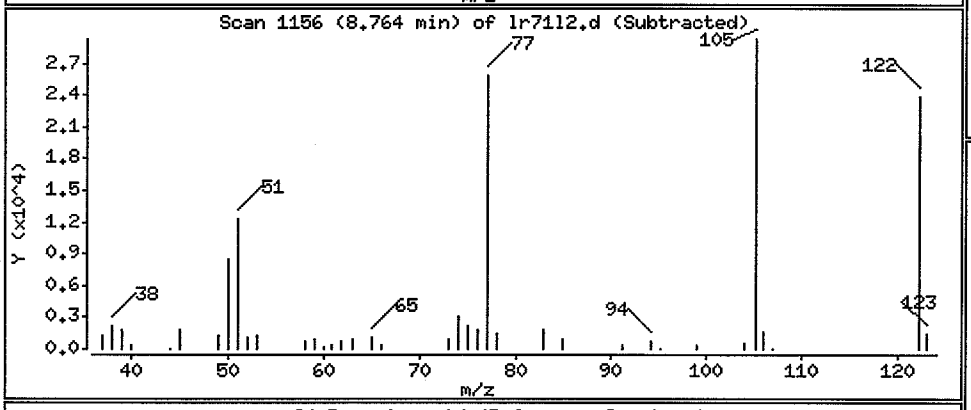
Column phase: ZB-5

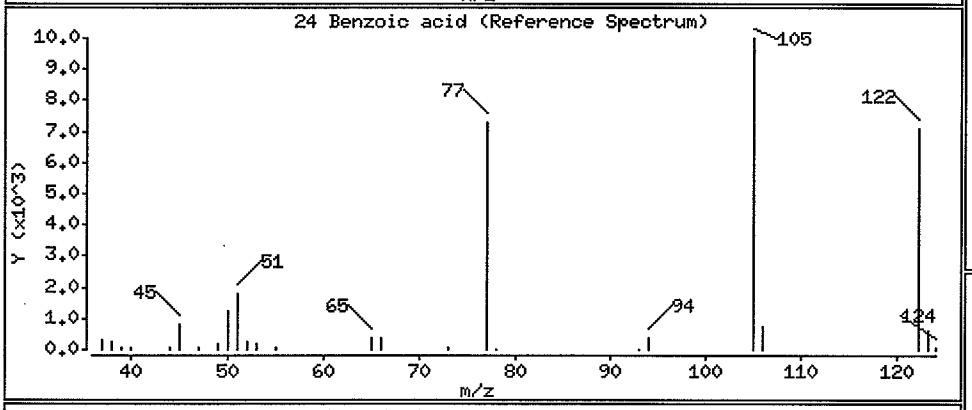
Column diameter: 0.32

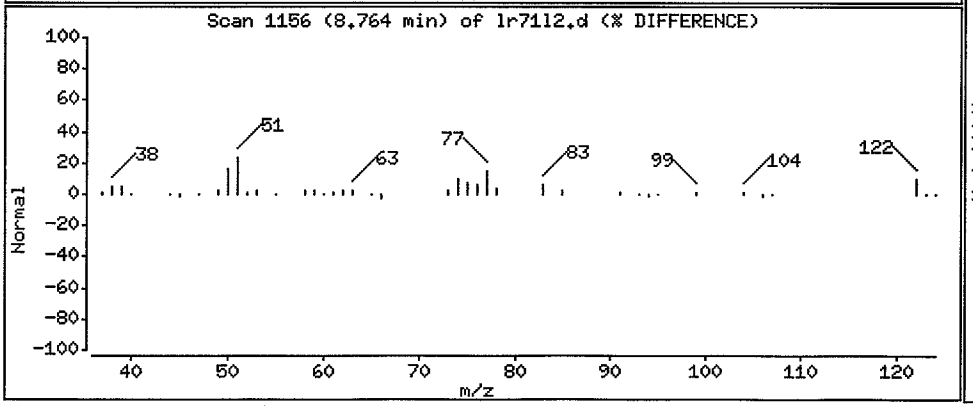
24 Benzoic acid

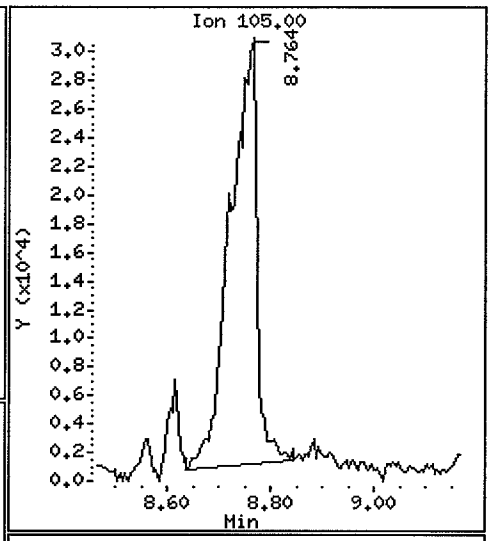
Concentration: 215.2 ug/Kg

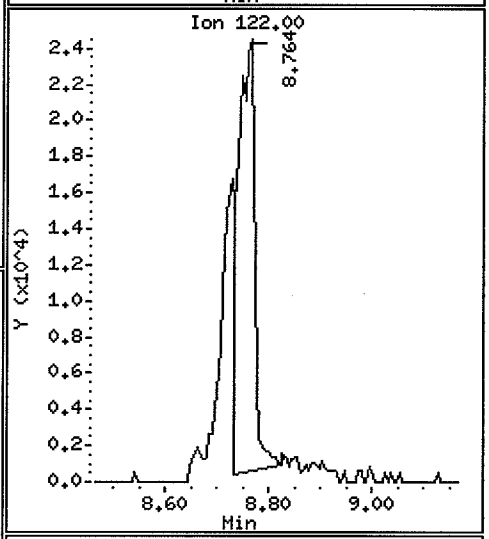


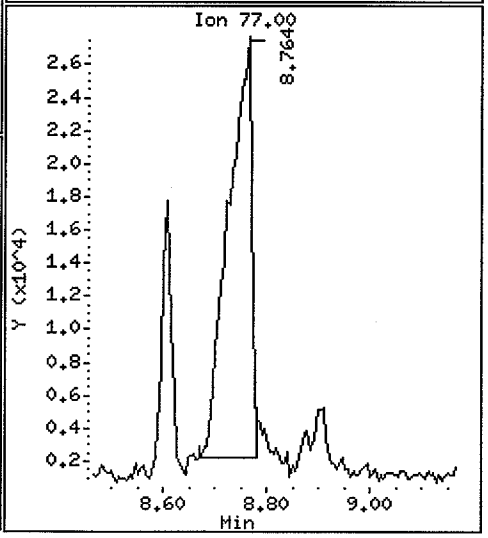












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

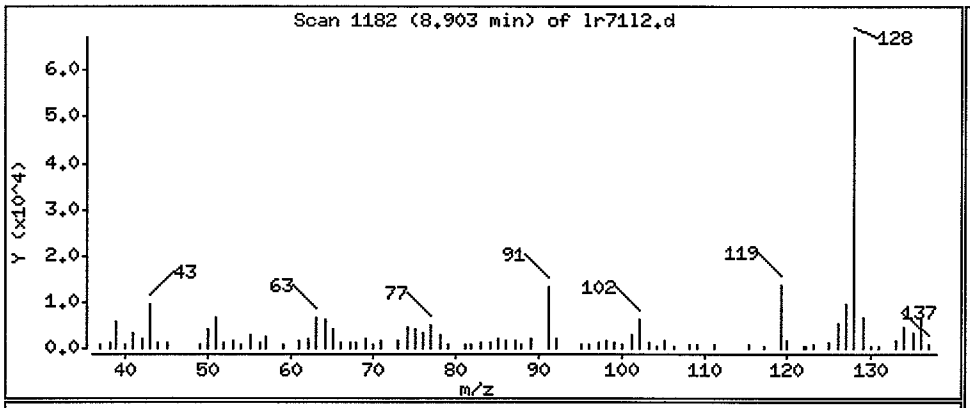
Operator: VTS

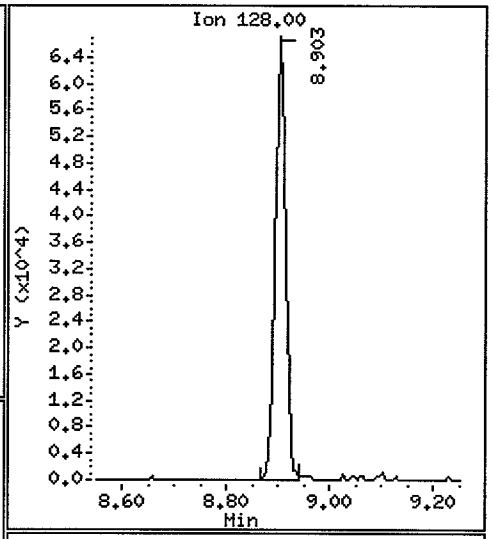
Column phase: ZB-5

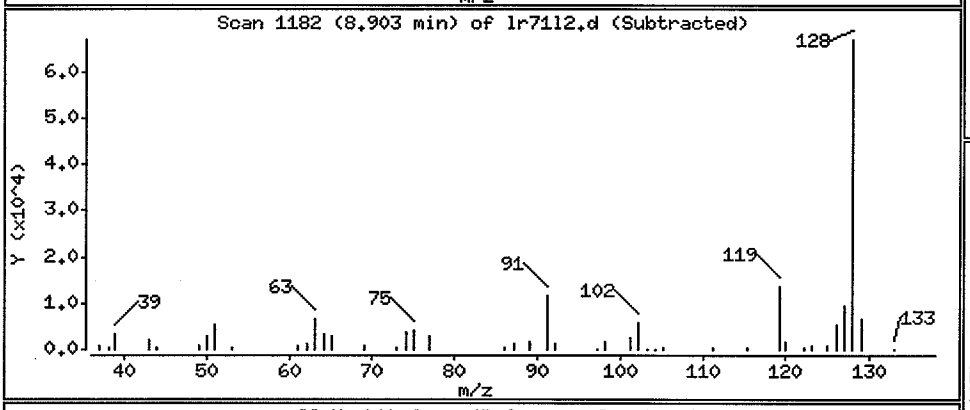
Column diameter: 0.32

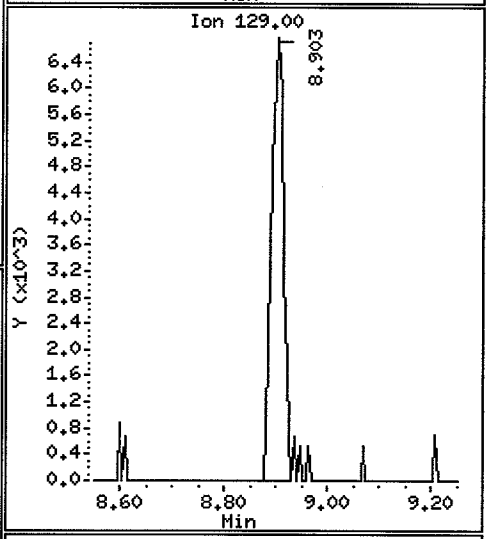
28 Naphthalene

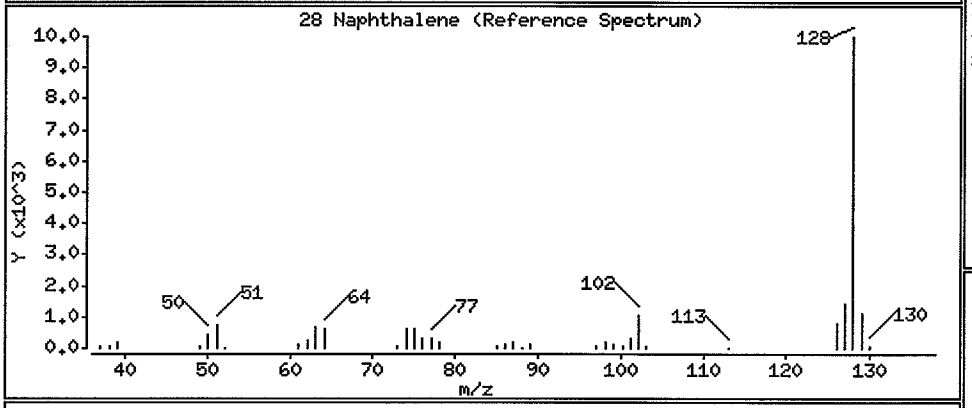
Concentration: 50.41 ug/Kg

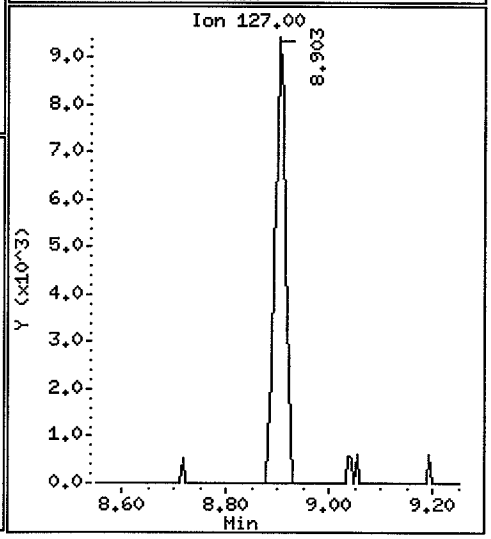


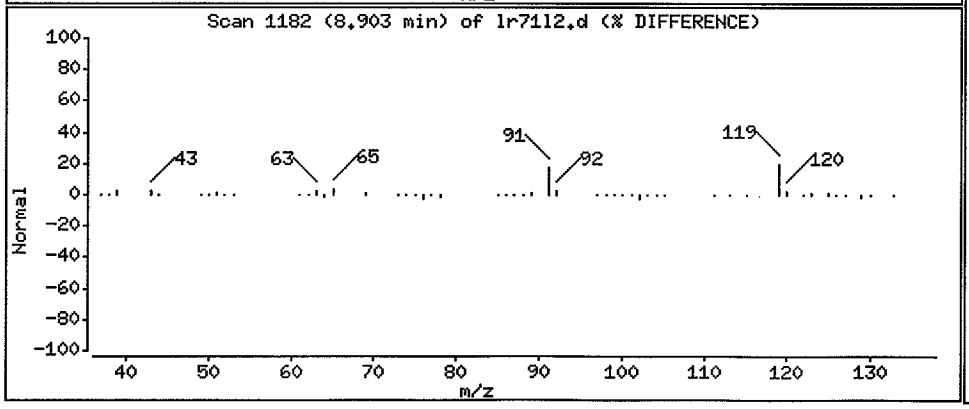












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

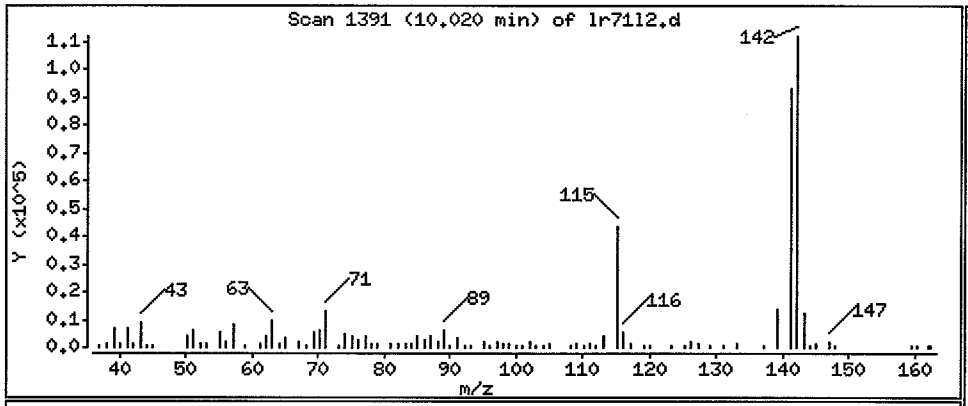
Operator: VTS

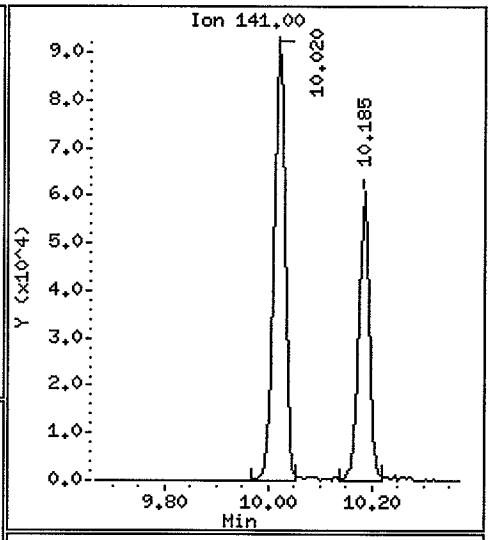
Column phase: ZB-5

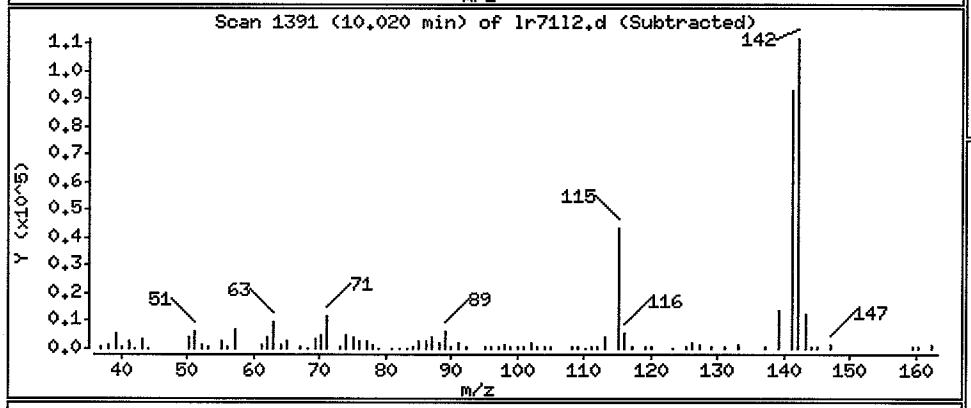
Column diameter: 0.32

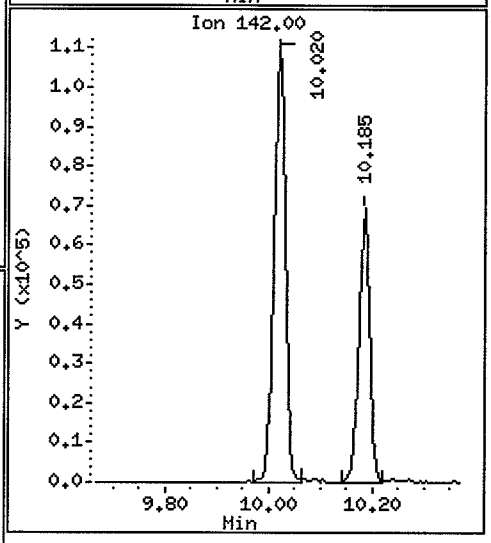
32 2-Methylnaphthalene

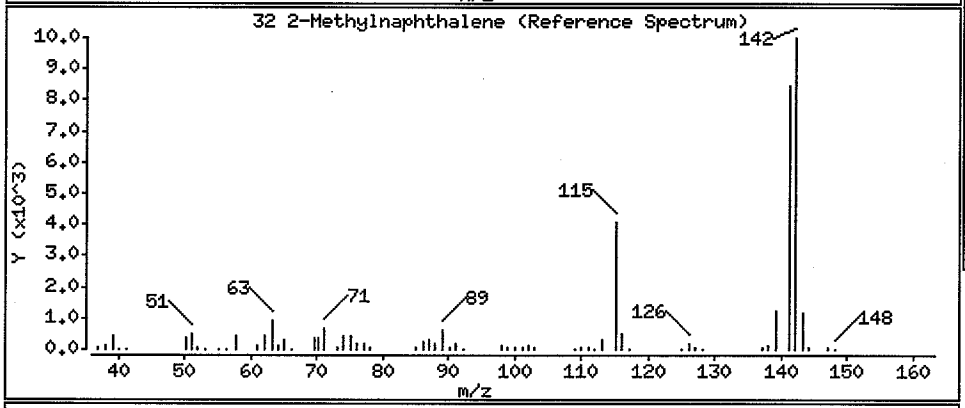
Concentration: 146.5 ug/Kg

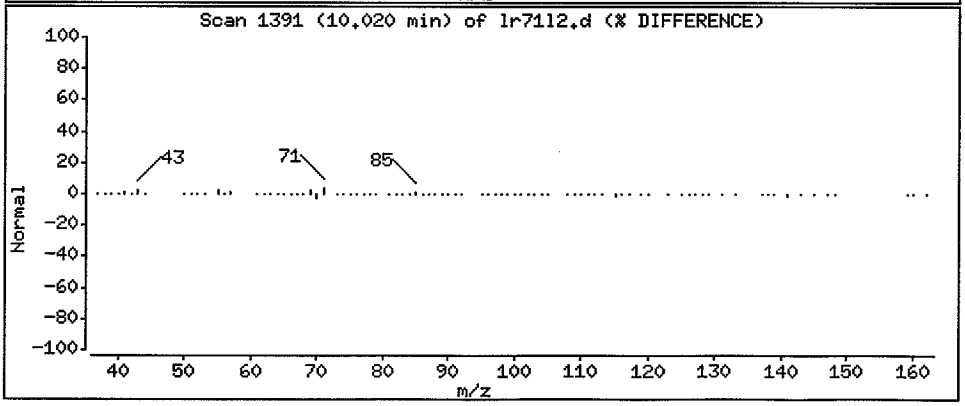












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

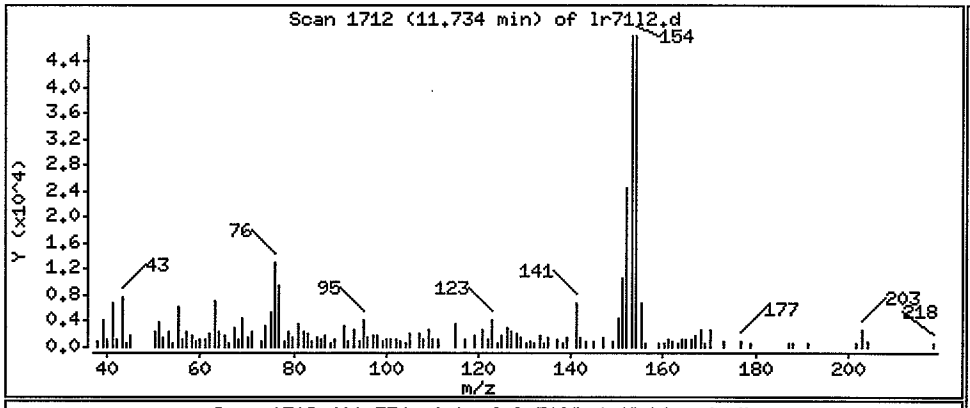
Operator: VTS

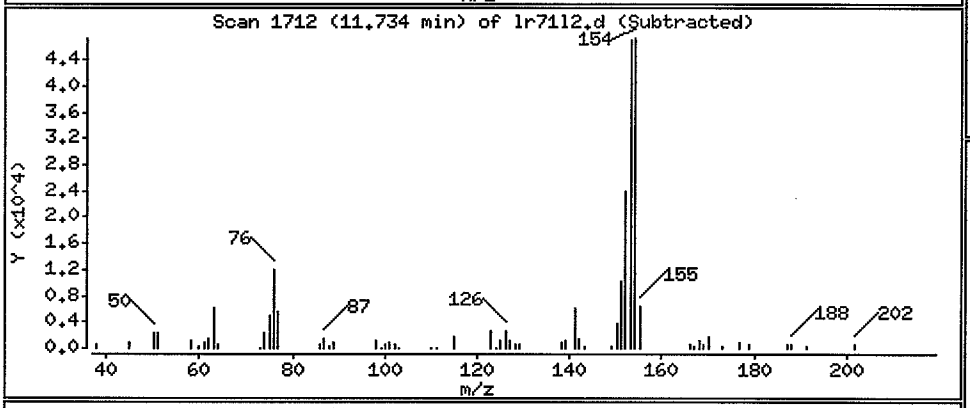
Column phase: ZB-5

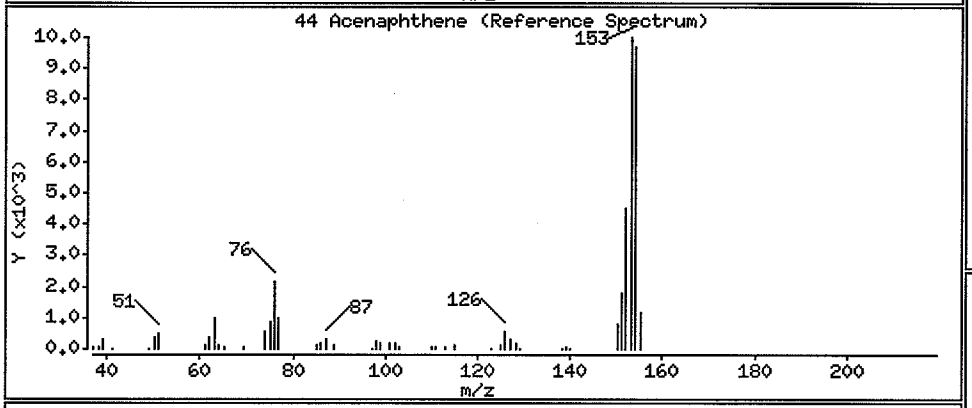
Column diameter: 0.32

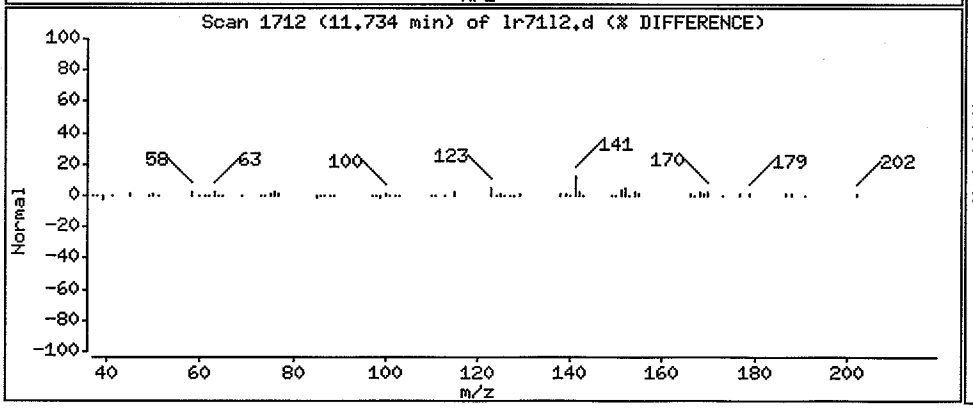
44 Acenaphthene

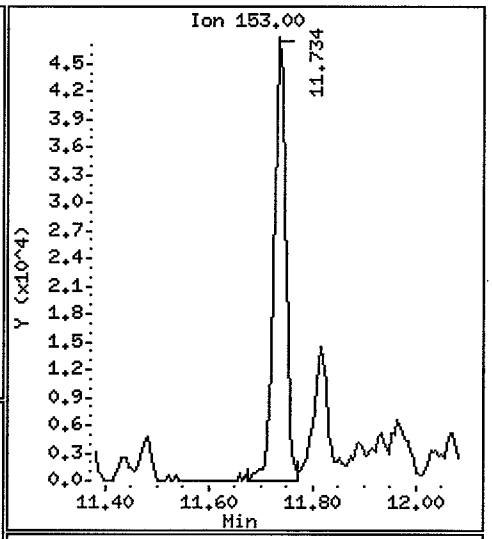
Concentration: 71.11 ug/Kg

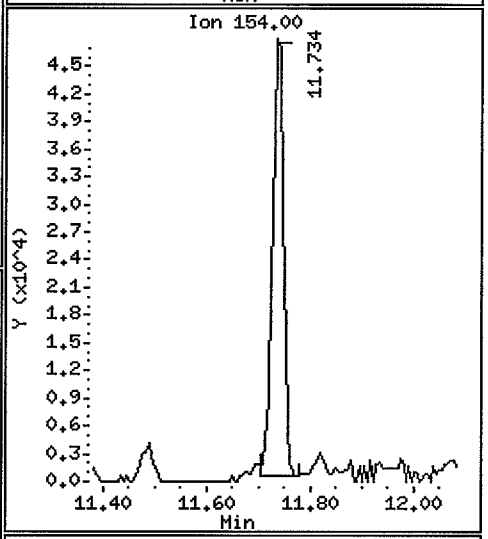


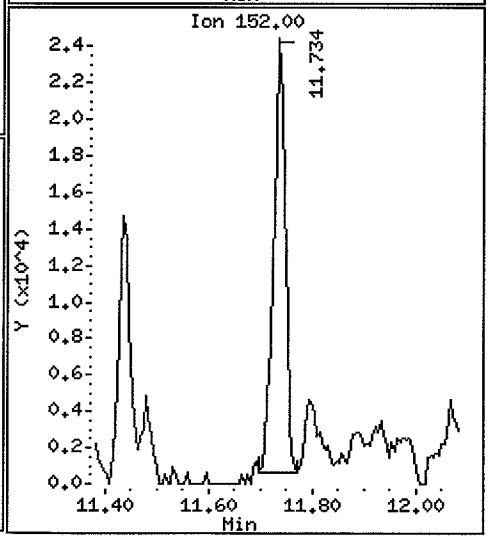












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

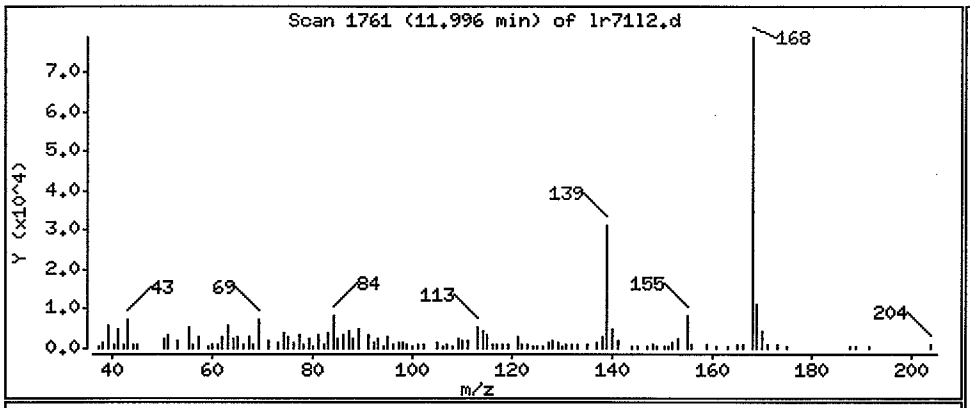
Operator: VTS

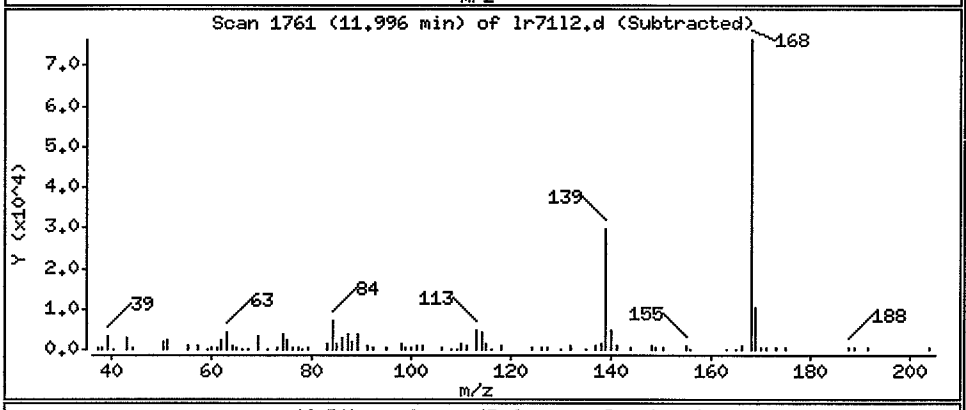
Column phase: ZB-5

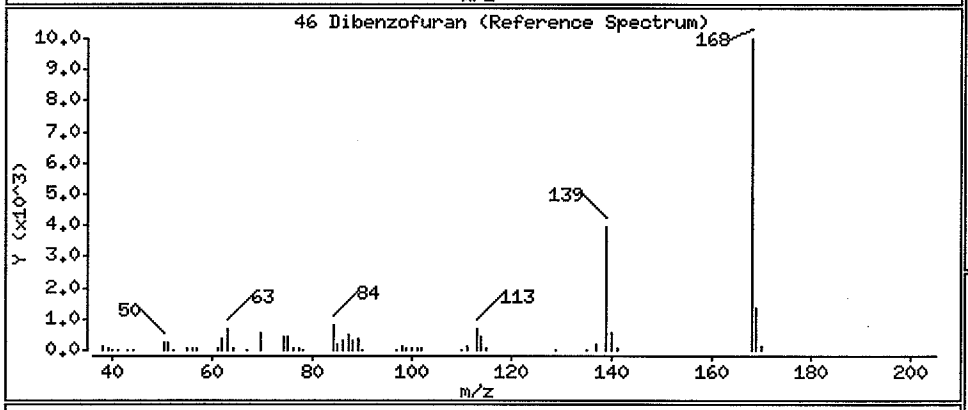
Column diameter: 0.32

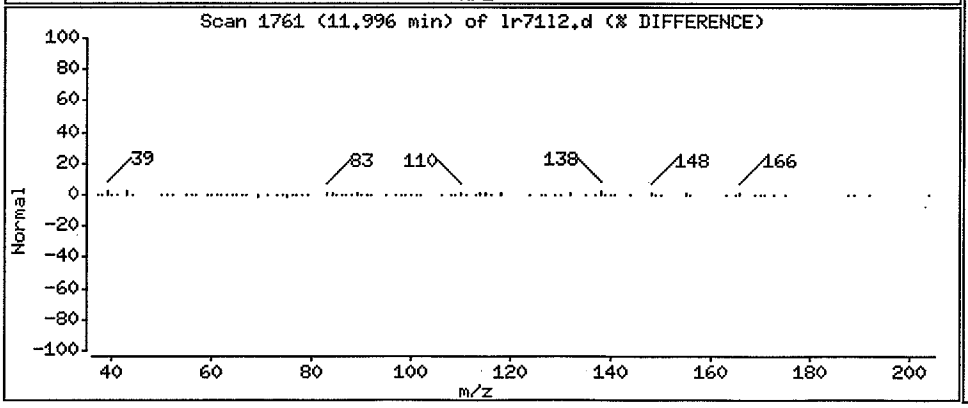
46 Dibenzofuran

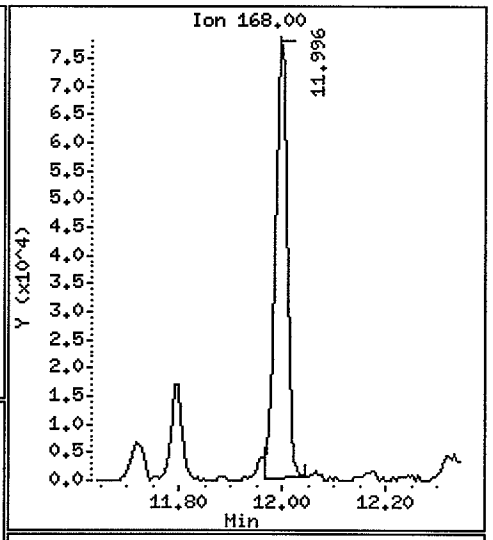
Concentration: 89.16 ug/Kg

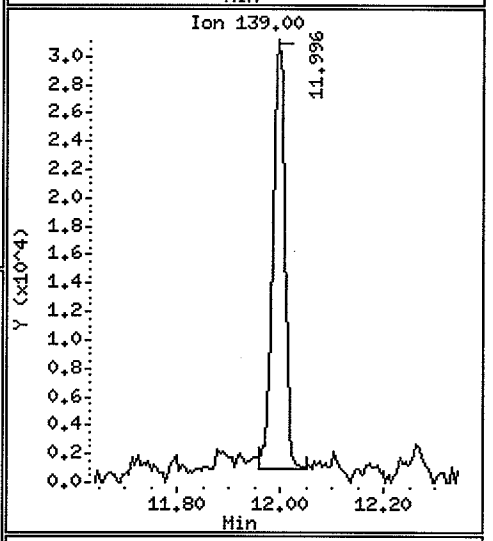


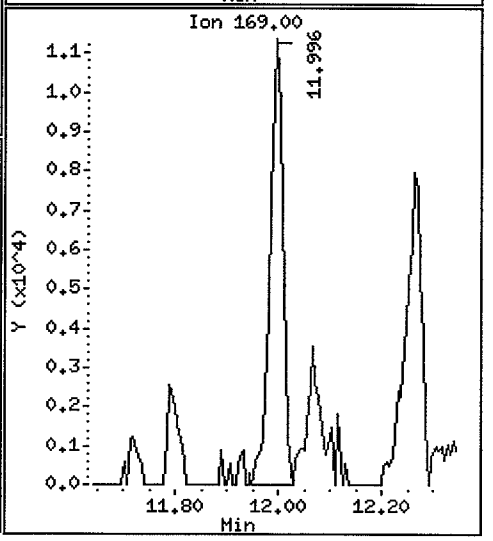












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

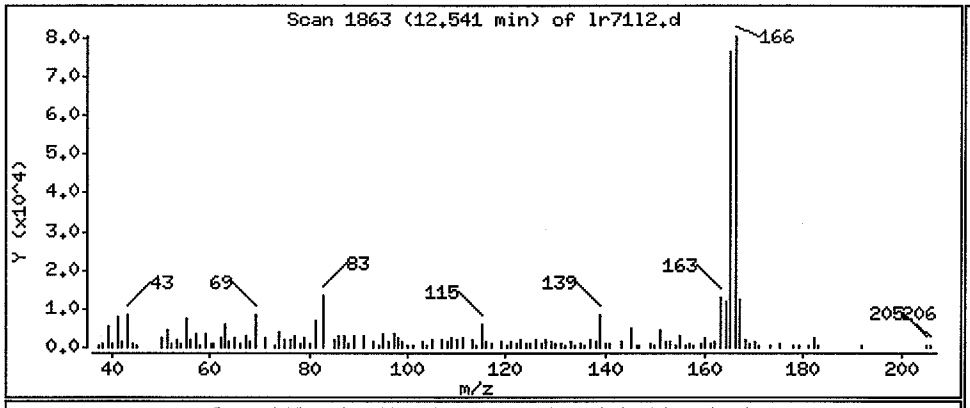
Operator: VTS

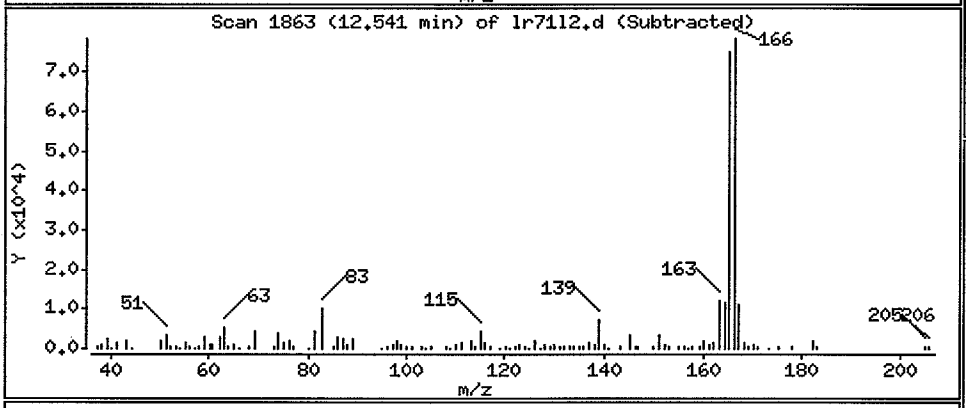
Column phase: ZB-5

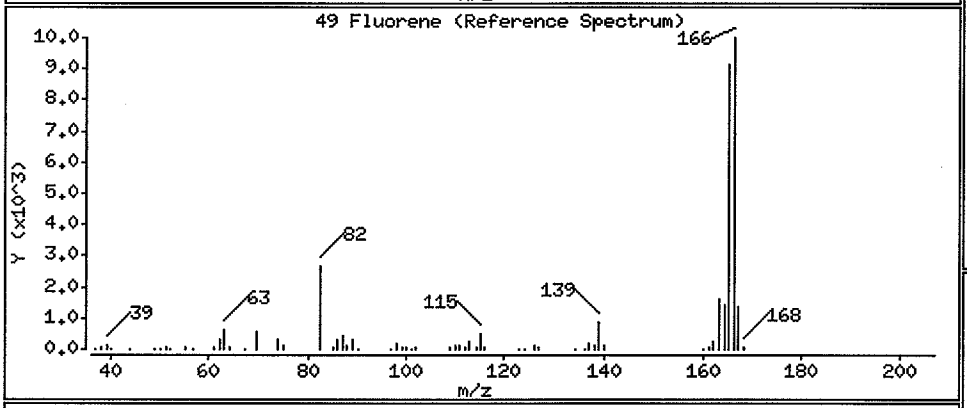
Column diameter: 0.32

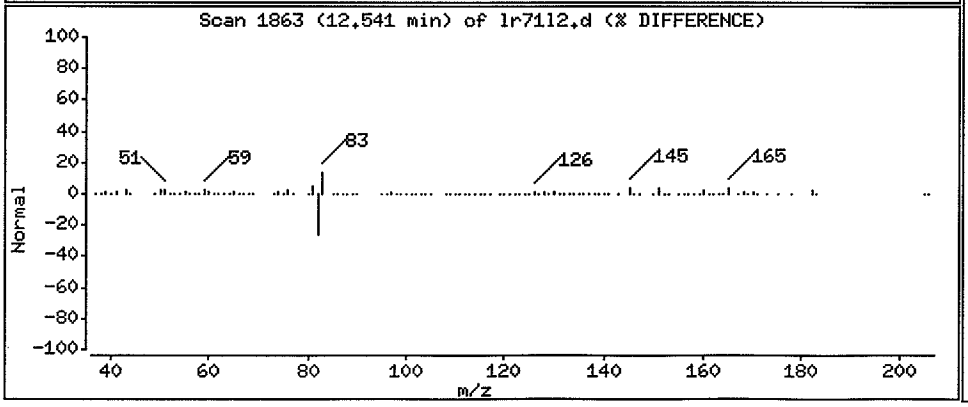
49 Fluorene

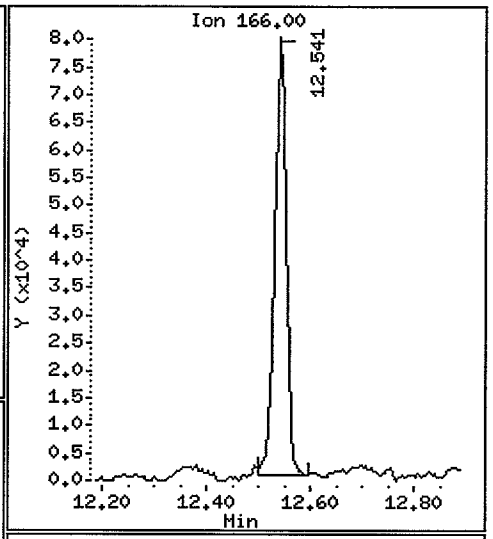
Concentration: 102.5 ug/Kg

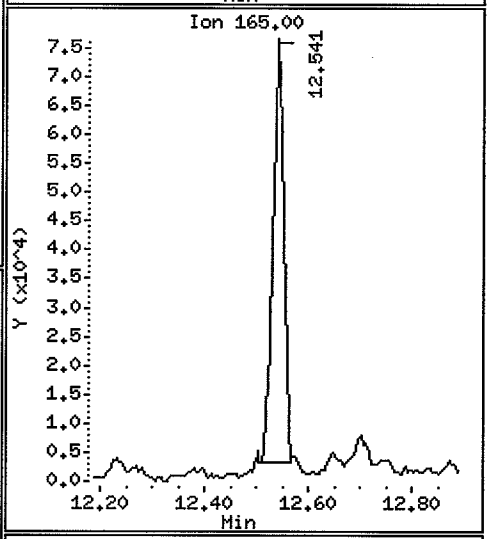


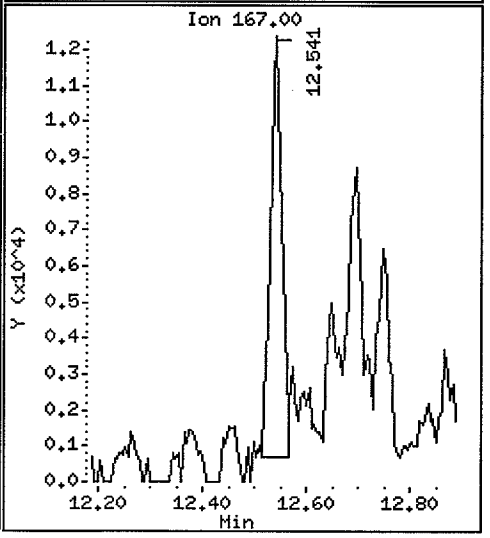












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

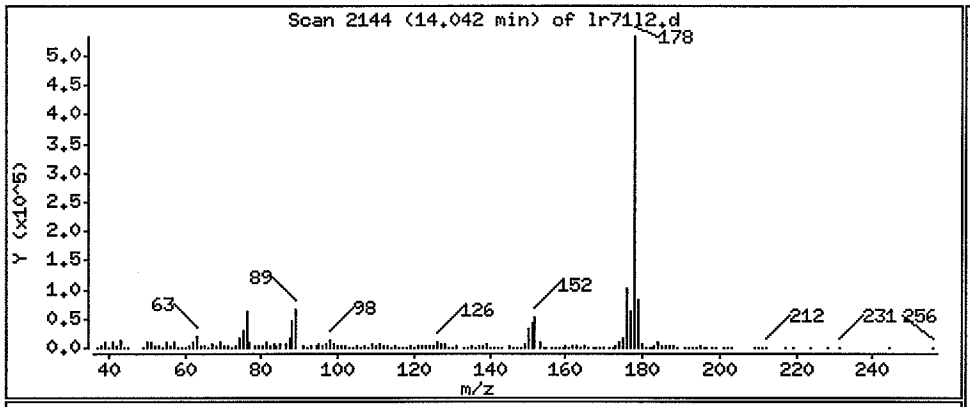
Operator: VTS

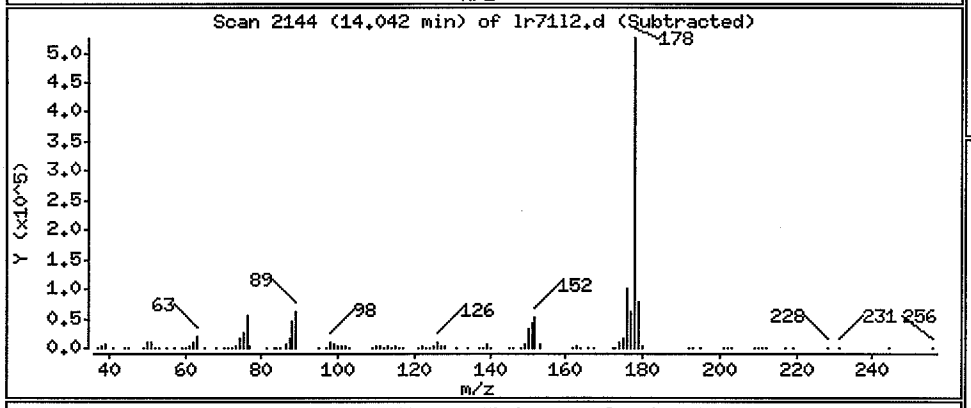
Column phase: ZB-5

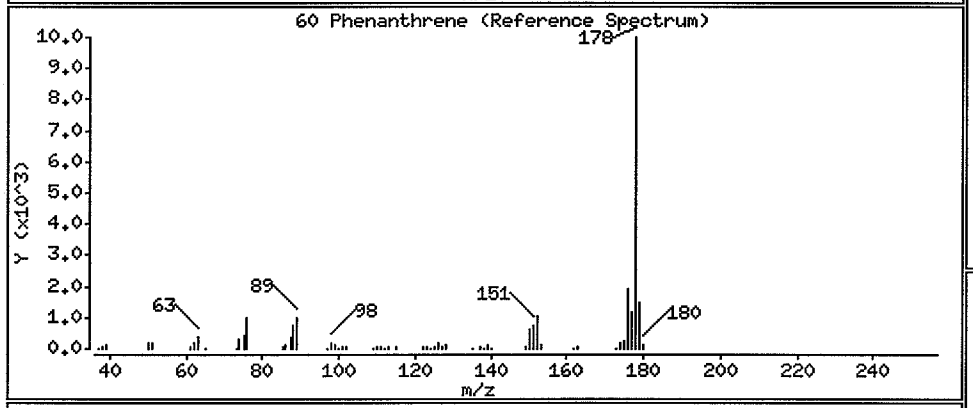
Column diameter: 0.32

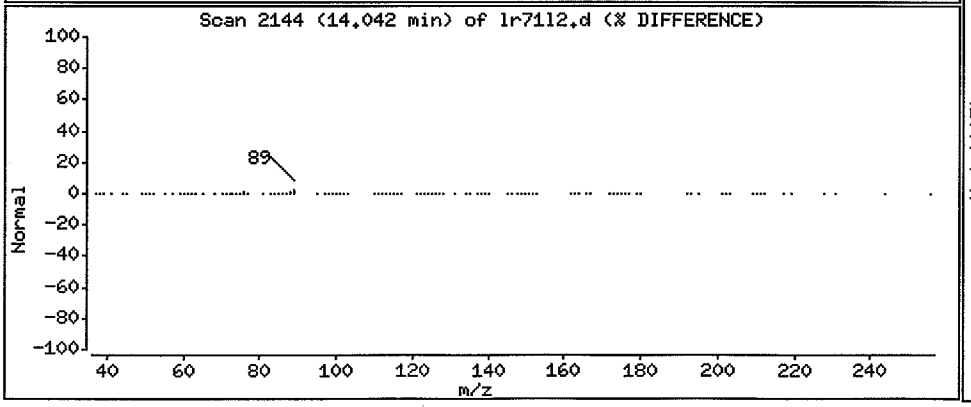
60 Phenanthrene

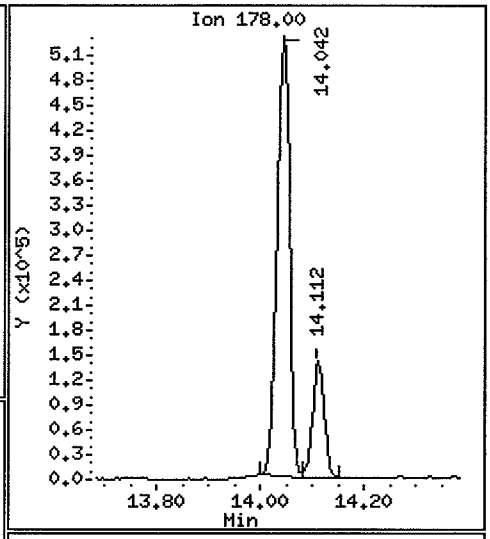
Concentration: 509.2 ug/Kg

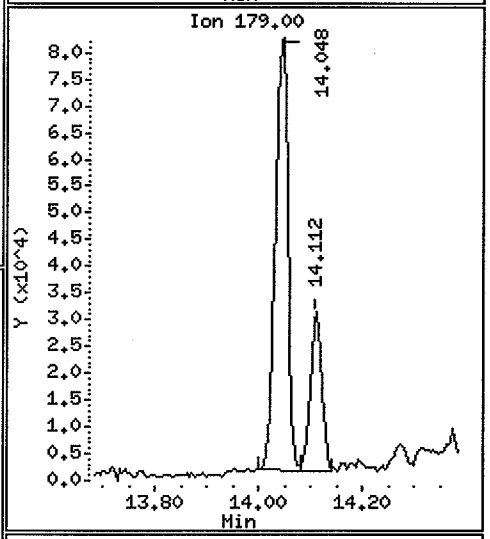


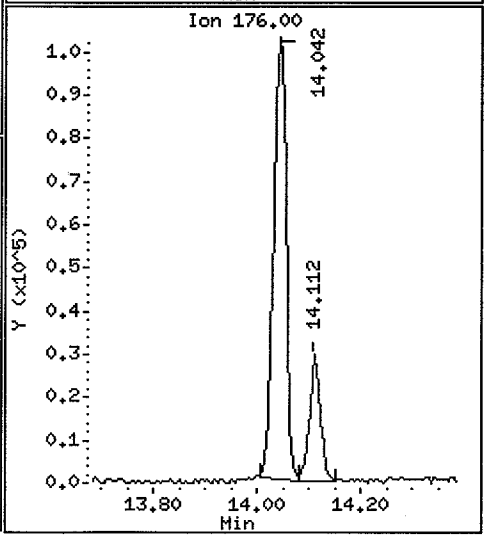












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

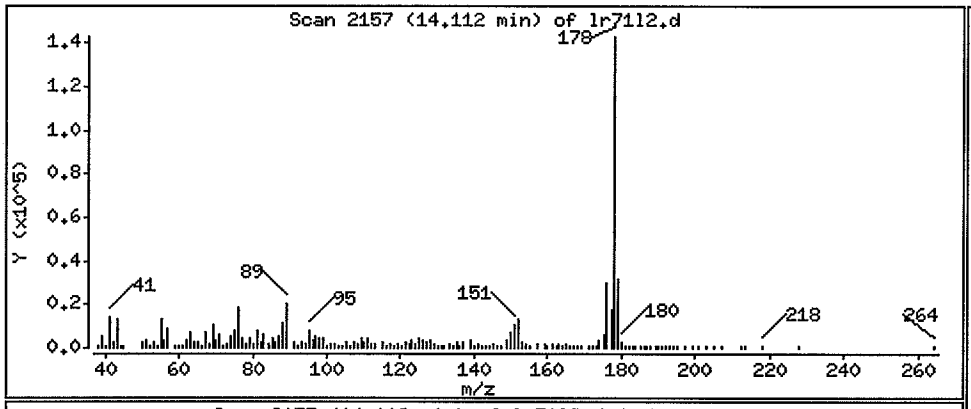
Operator: VTS

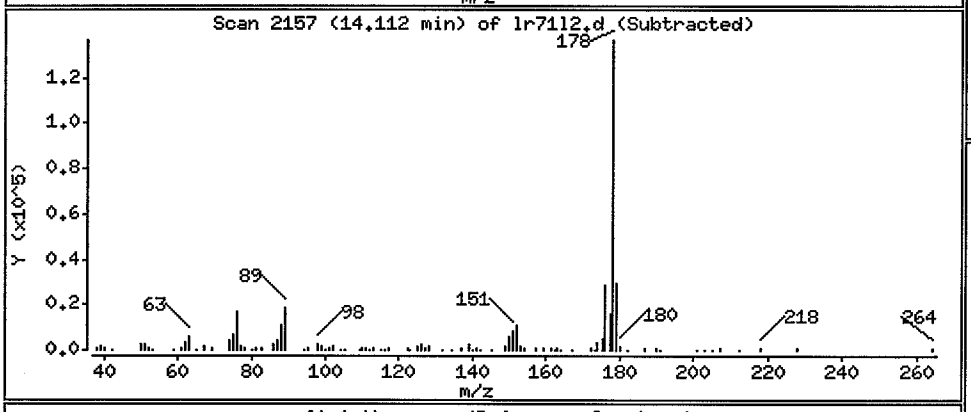
Column phase: ZB-5

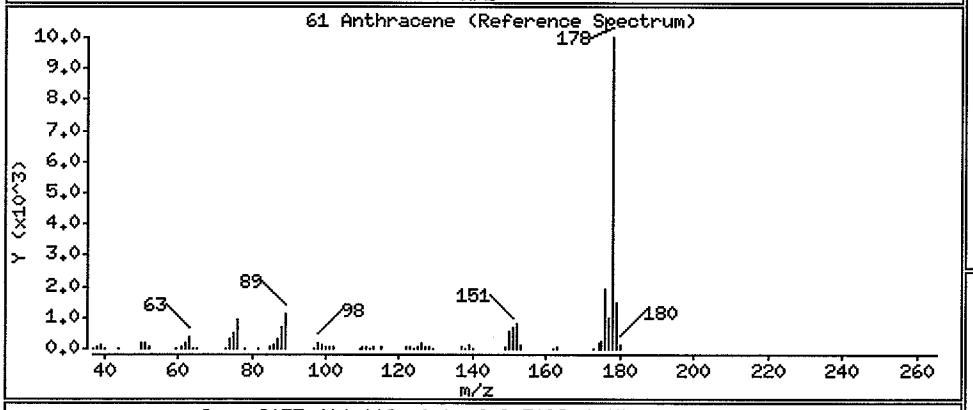
Column diameter: 0.32

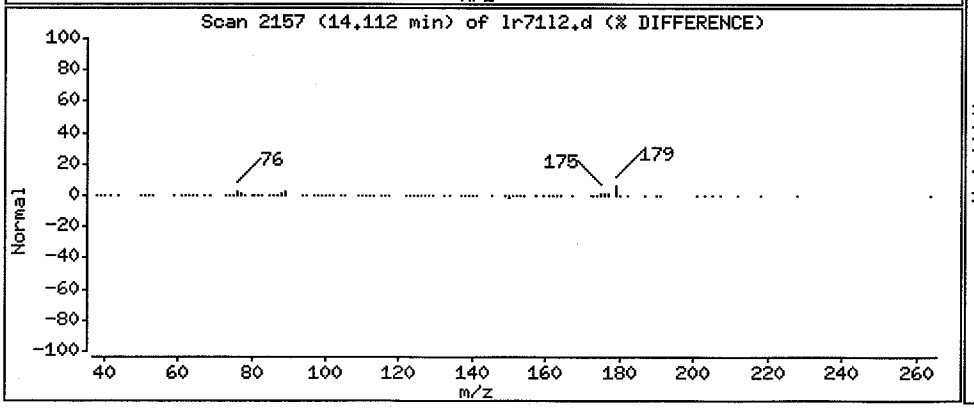
61 Anthracene

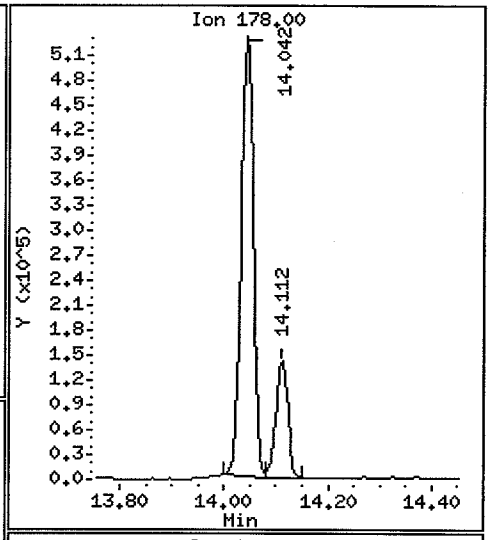
Concentration: 132.2 ug/Kg

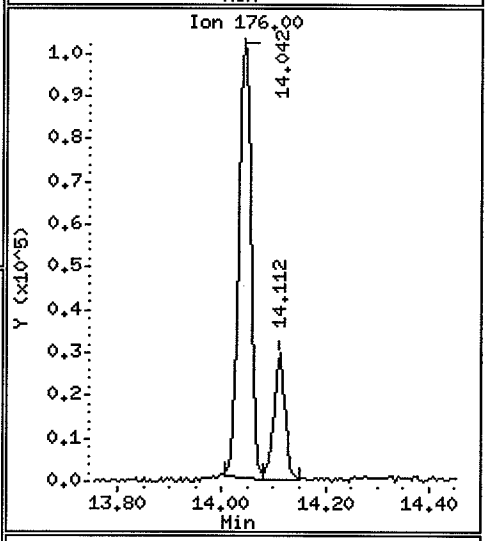


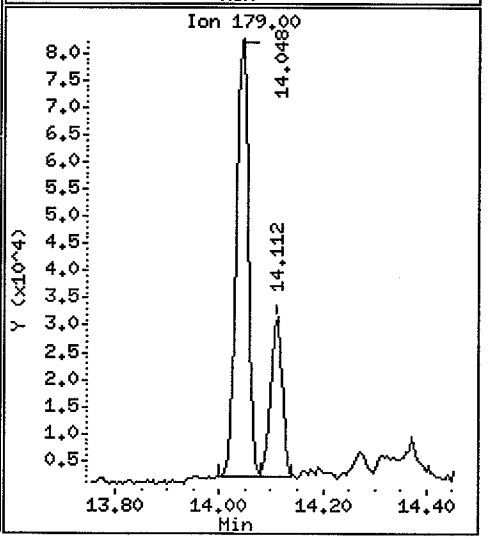












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

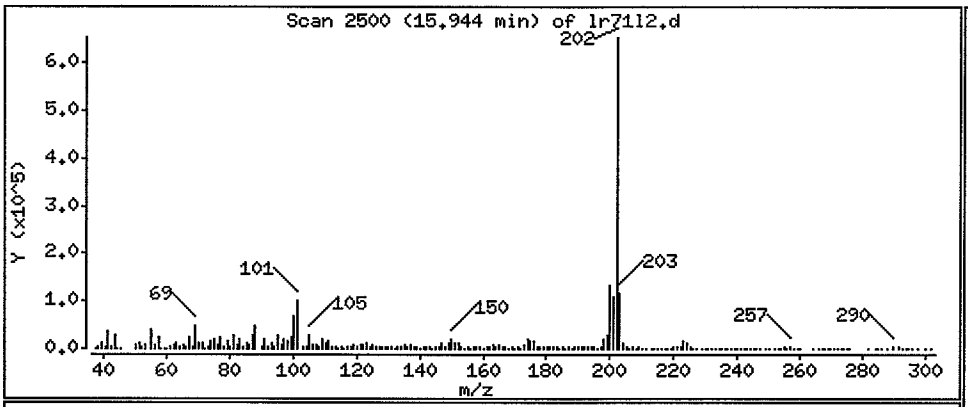
Operator: VTS

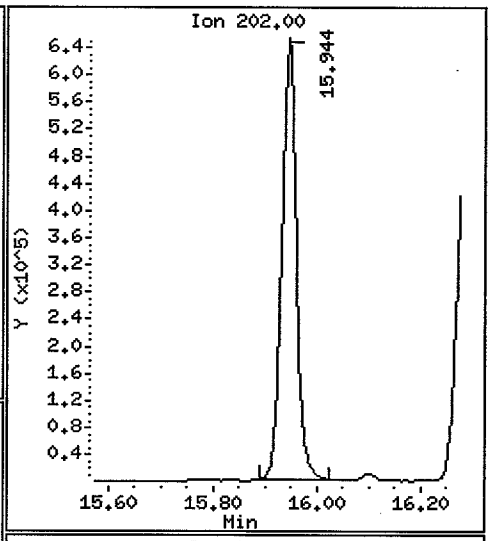
Column phase: ZB-5

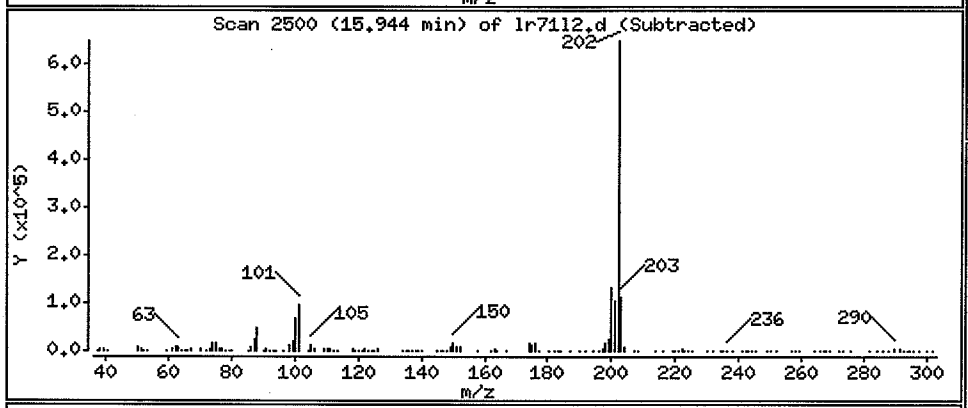
Column diameter: 0.32

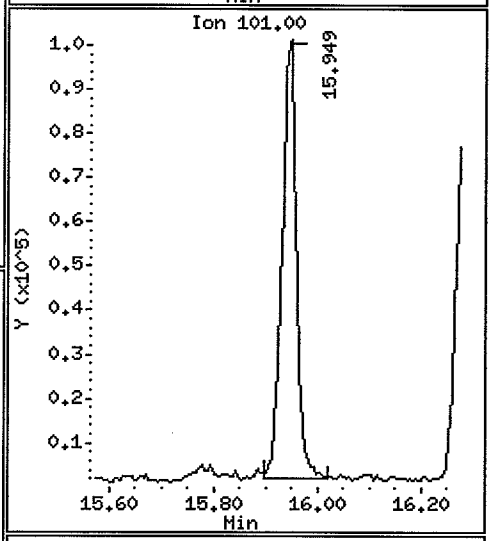
64 Fluoranthene

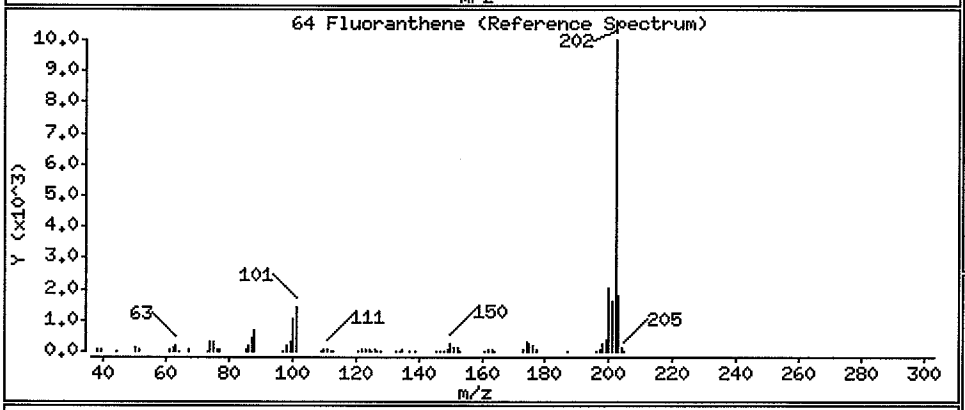
Concentration: 698.5 ug/Kg

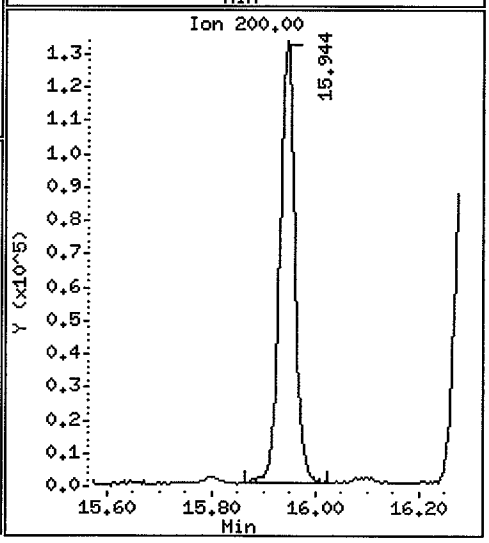


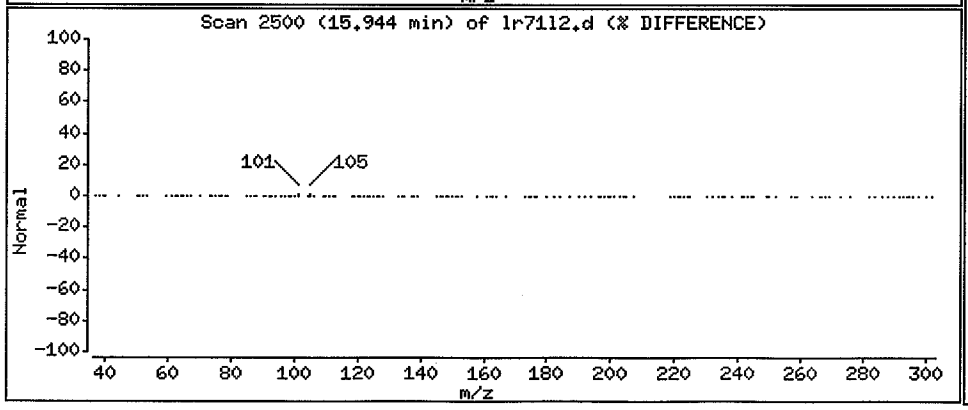












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

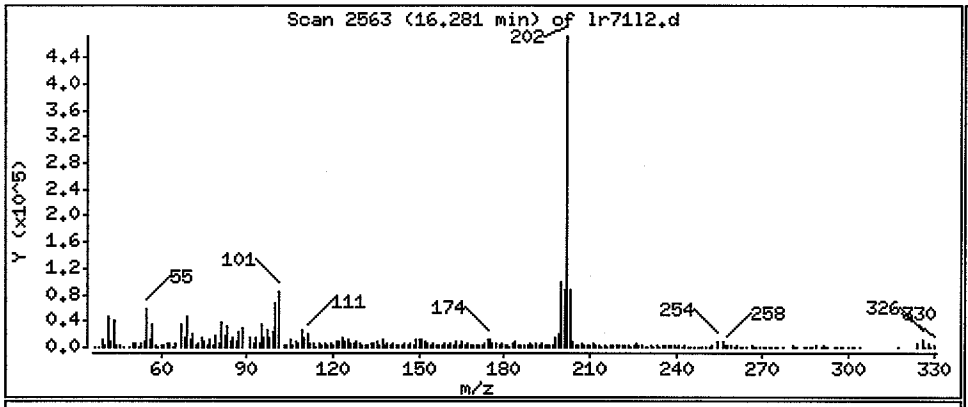
Operator: VTS

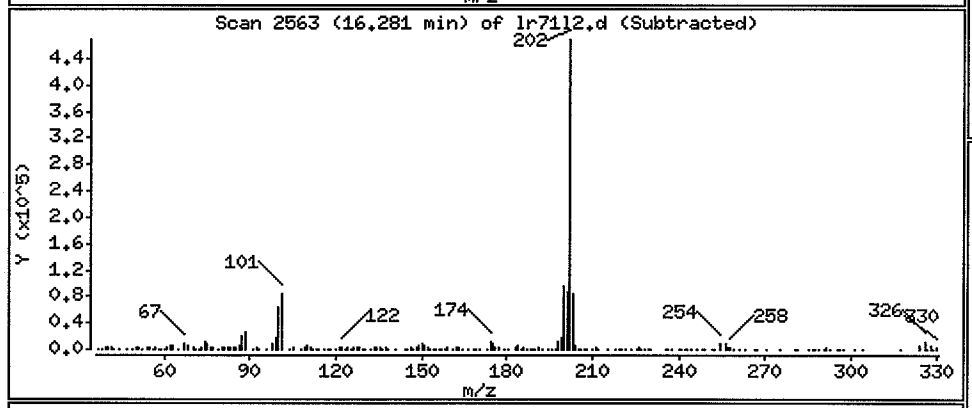
Column phase: ZB-5

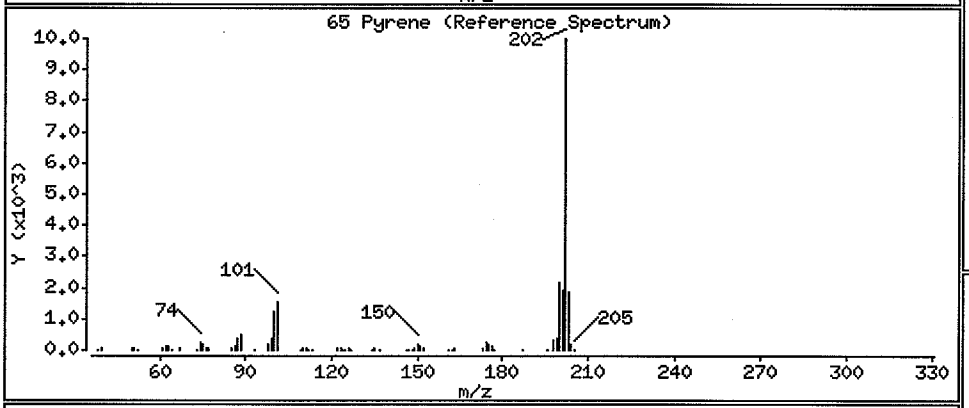
Column diameter: 0.32

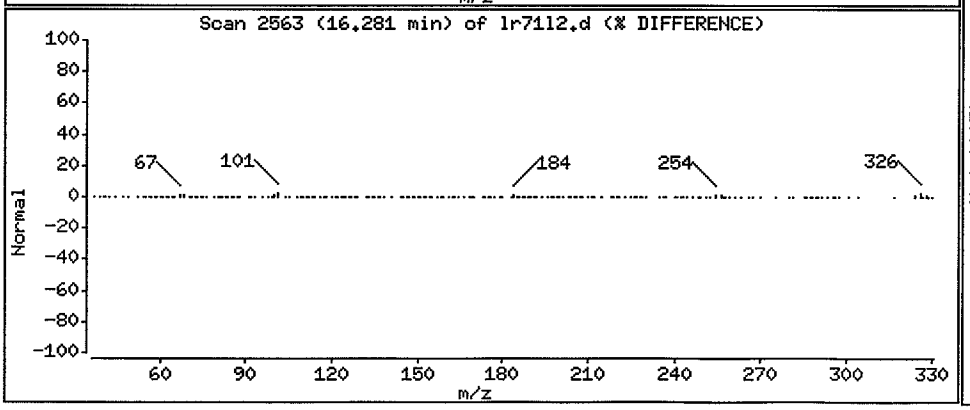
65 Pyrene

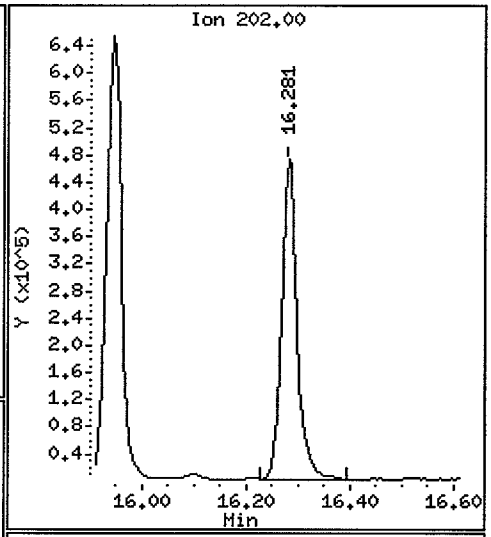
Concentration: 434.9 ug/Kg

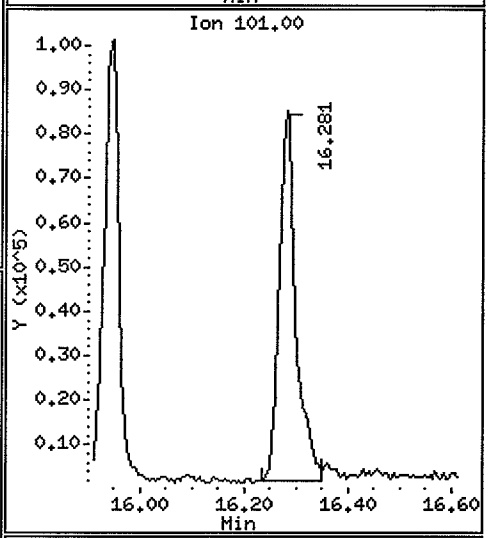


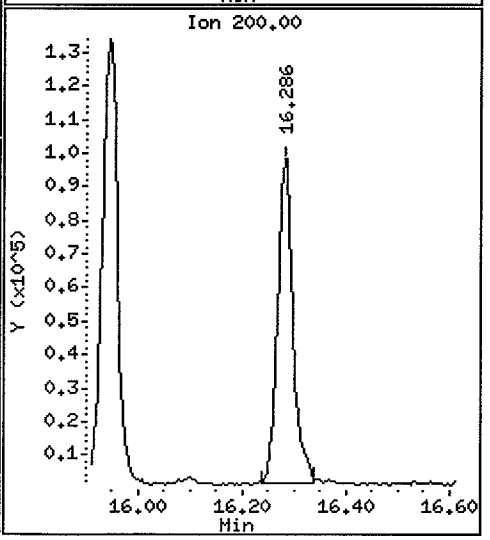












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

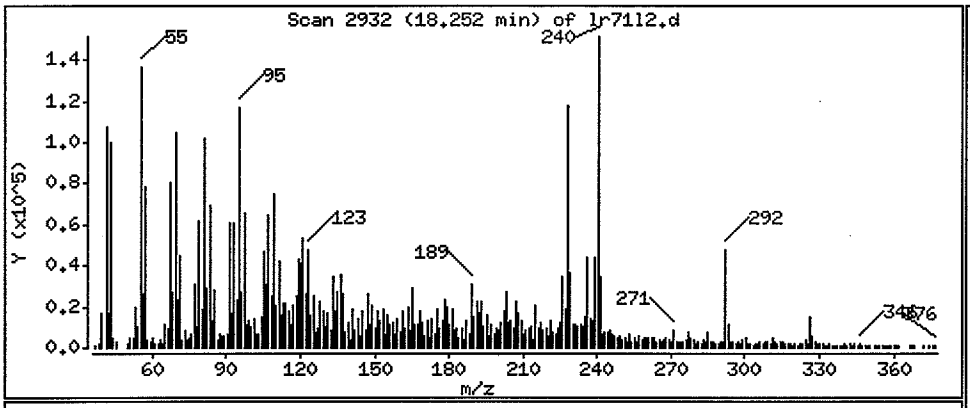
Operator: VTS

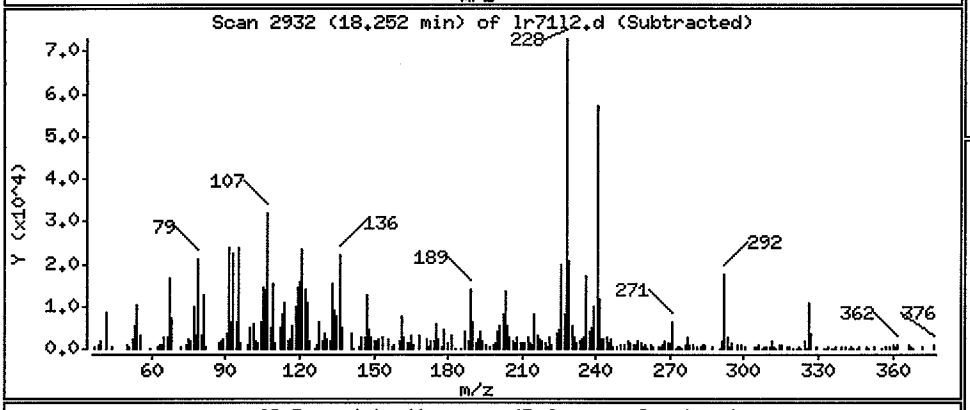
Column phase: ZB-5

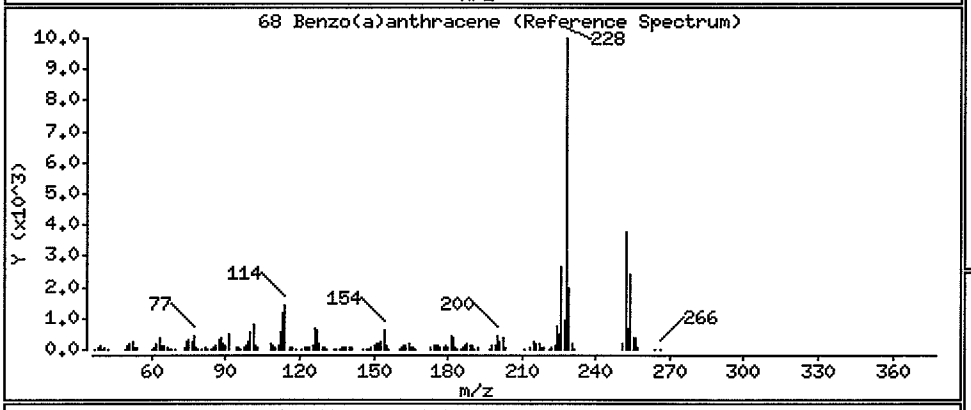
Column diameter: 0.32

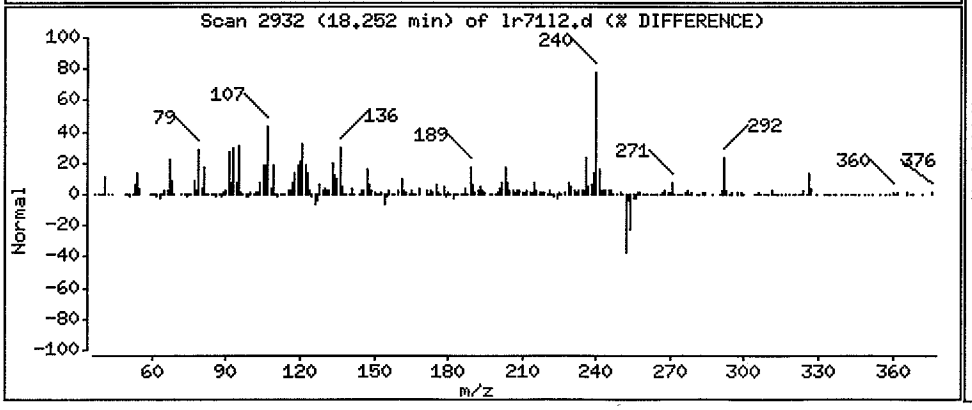
68 Benzo(a)anthracene

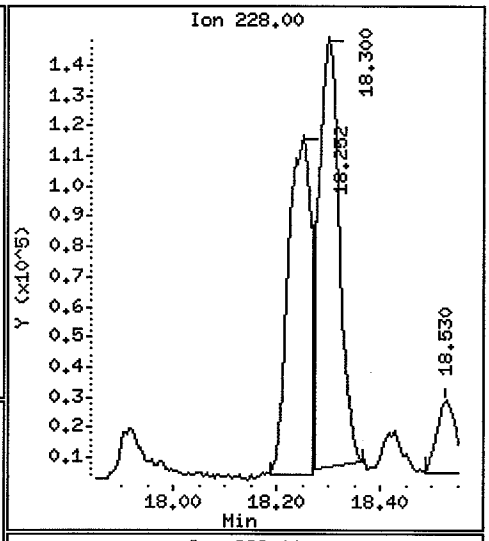
Concentration: 162.2 ug/Kg

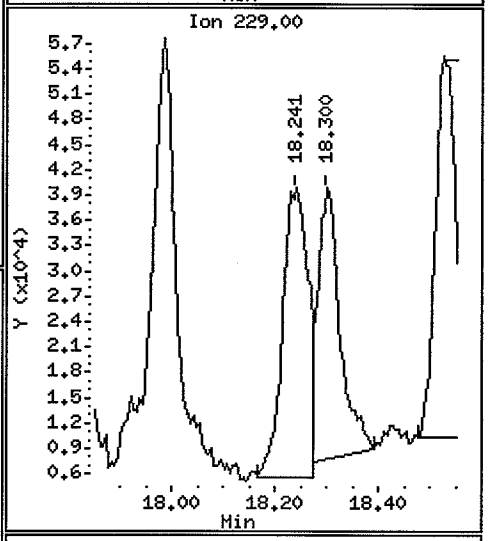


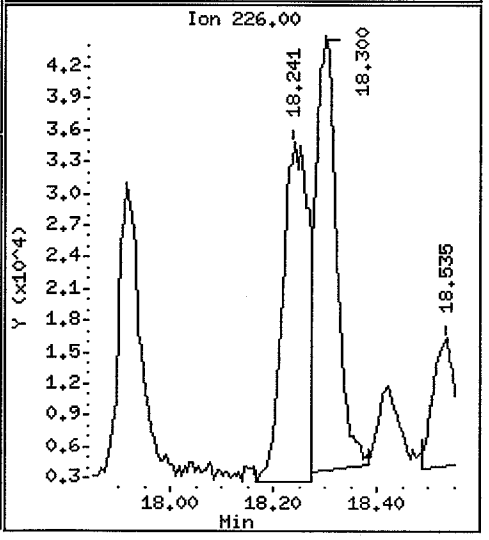












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

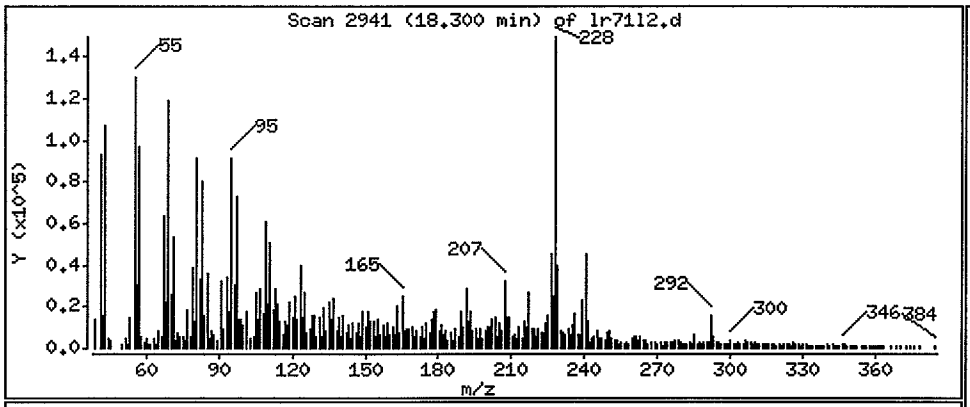
Operator: VTS

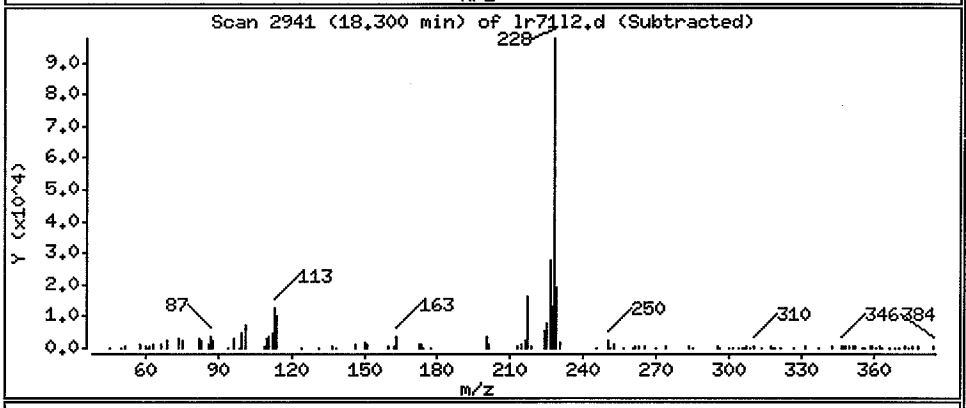
Column phase: ZB-5

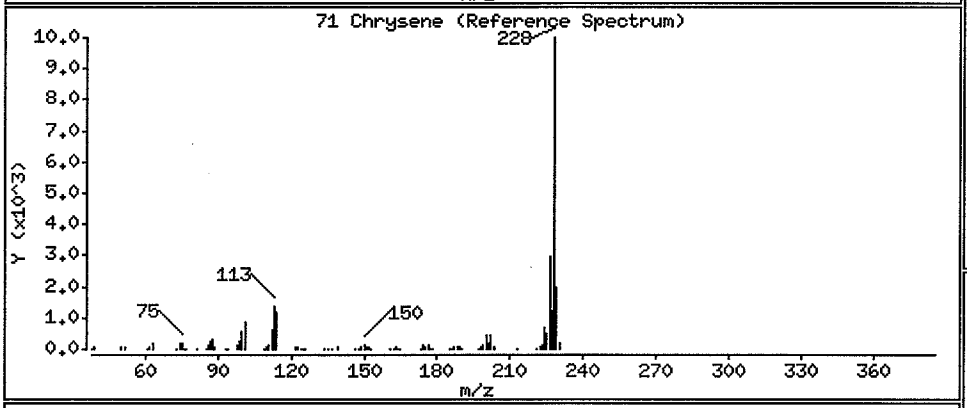
Column diameter: 0.32

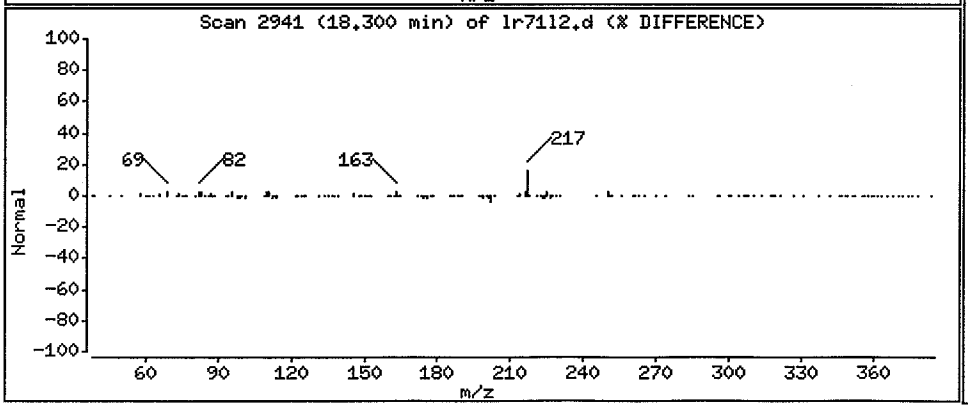
71 Chrysene

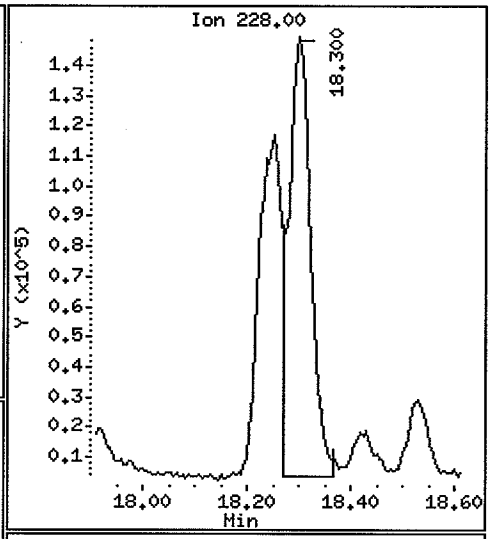
Concentration: 217.3 ug/Kg

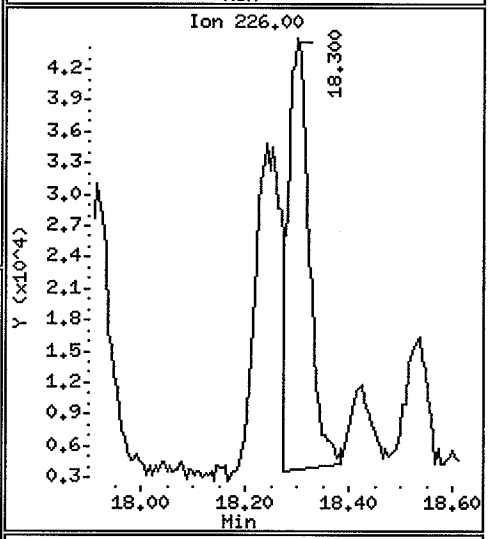


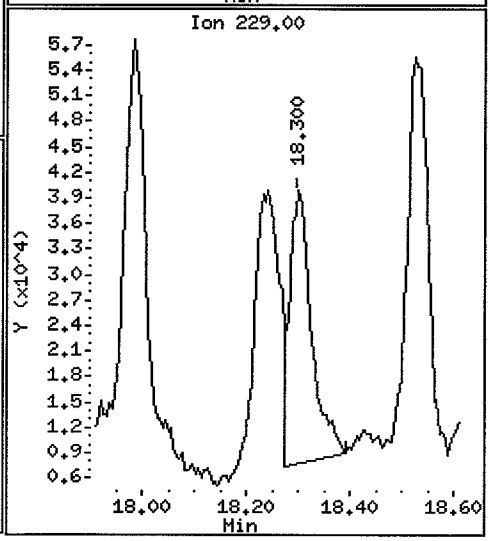












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

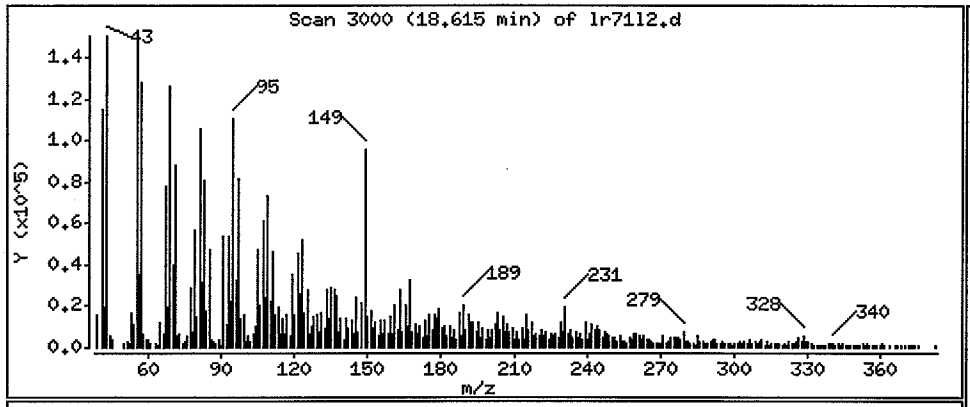
Operator: VTS

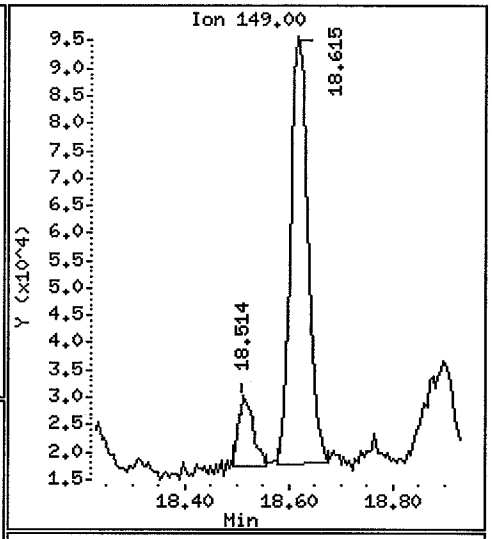
Column phase: ZB-5

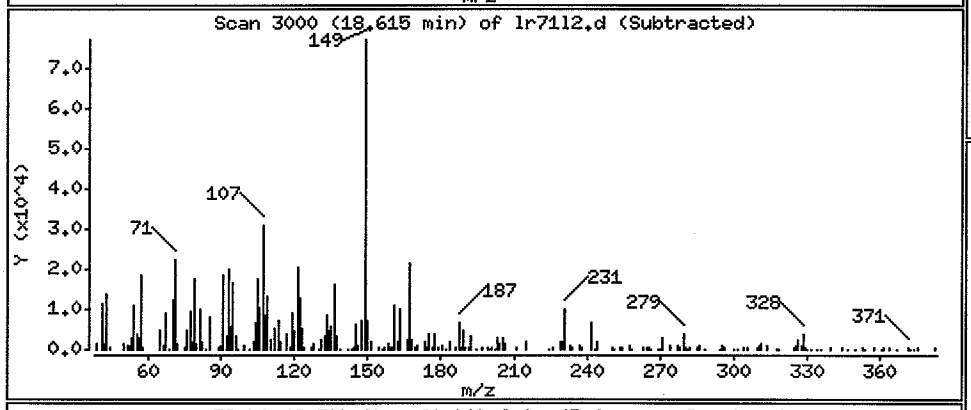
Column diameter: 0.32

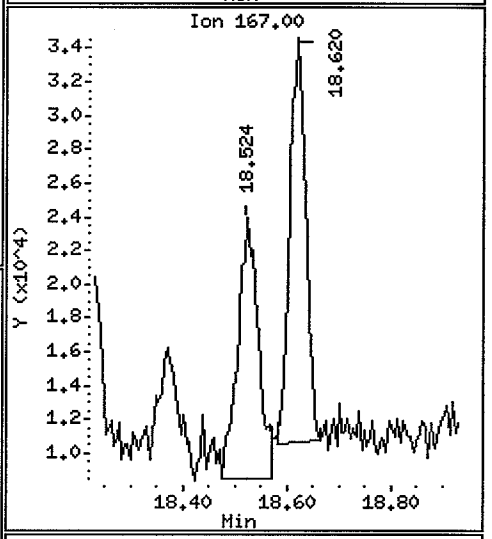
72 bis(2-Ethylhexyl)phthalate

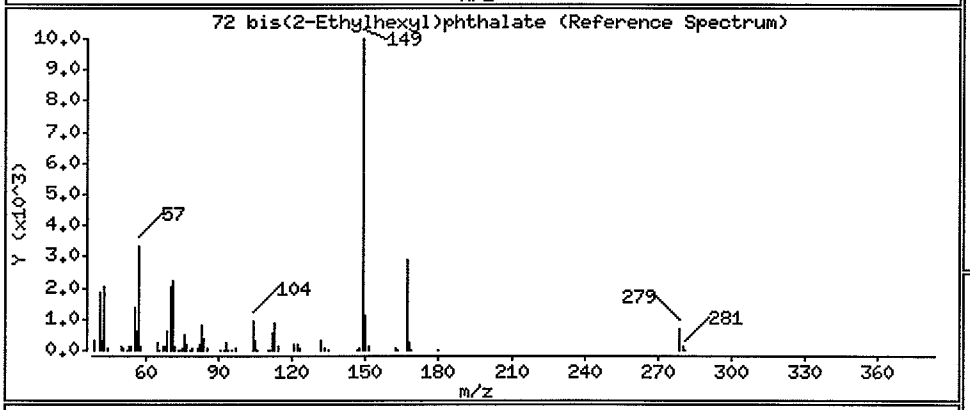
Concentration: 154.2 ug/Kg

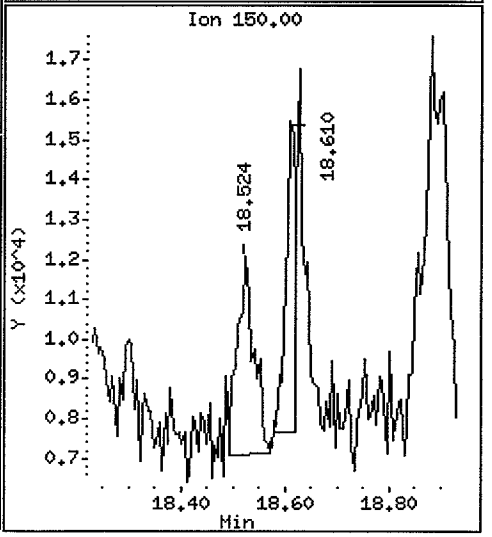


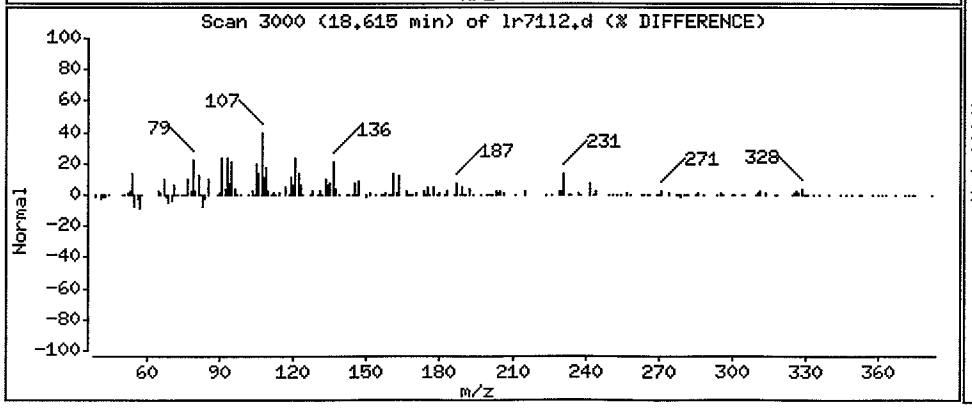












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

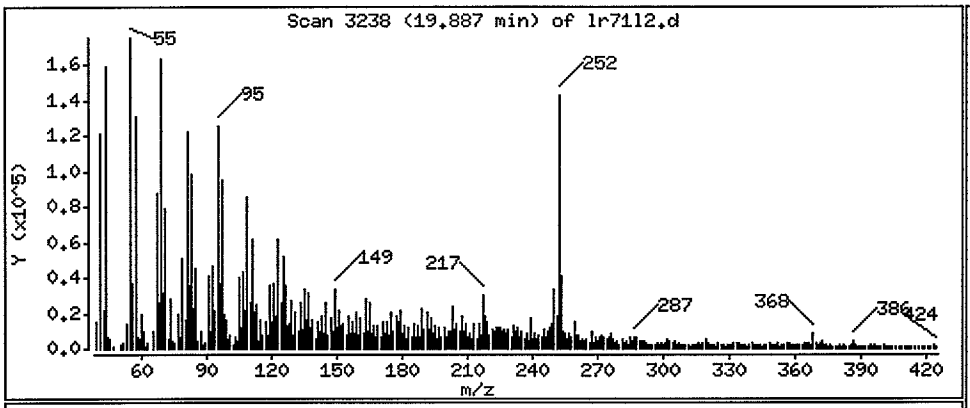
Operator: VTS

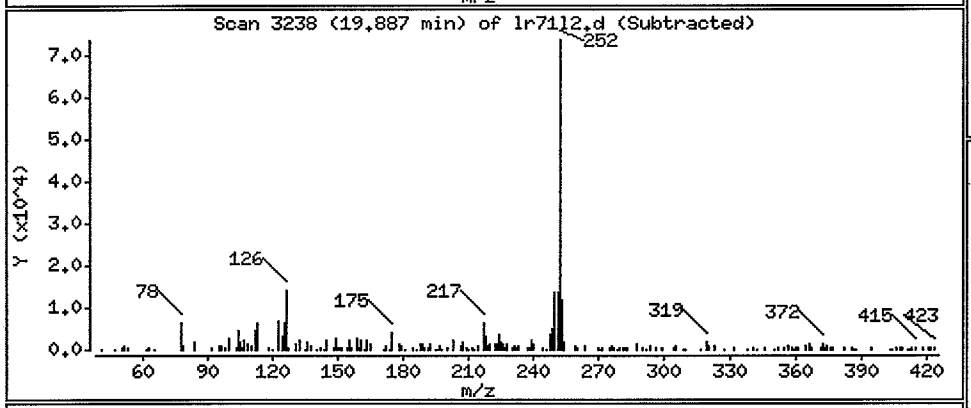
Column phase: ZB-5

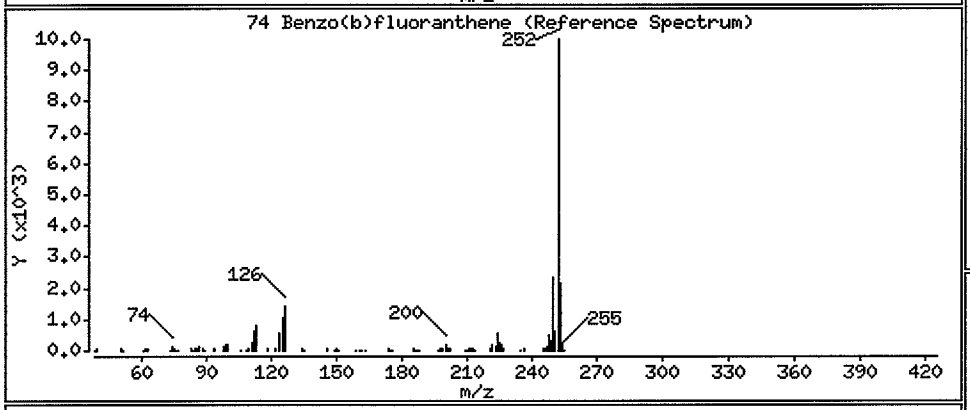
Column diameter: 0.32

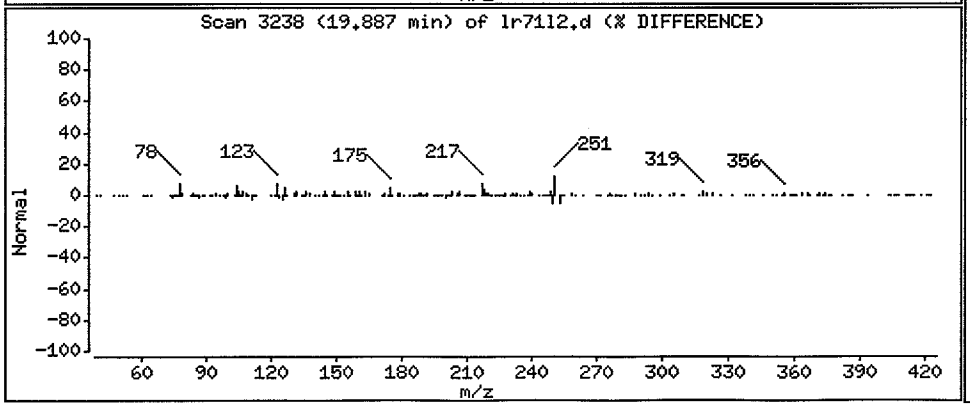
74 Benzo(b)fluoranthene

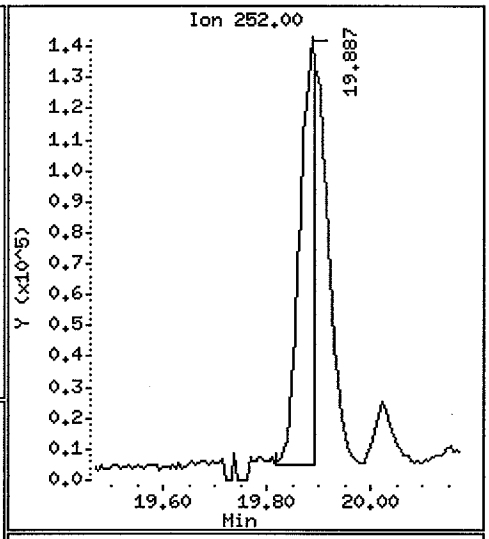
Concentration: 178.7 ug/Kg

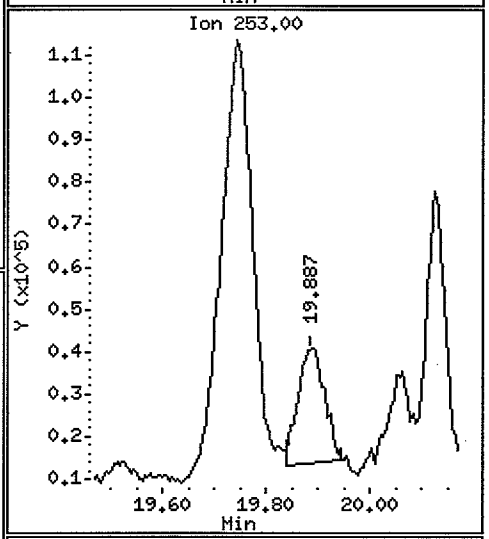


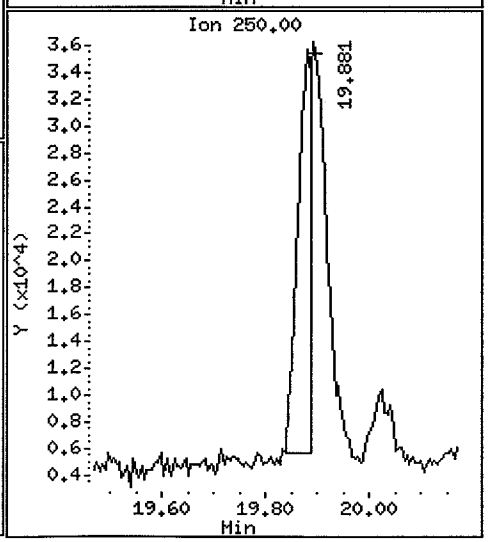












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

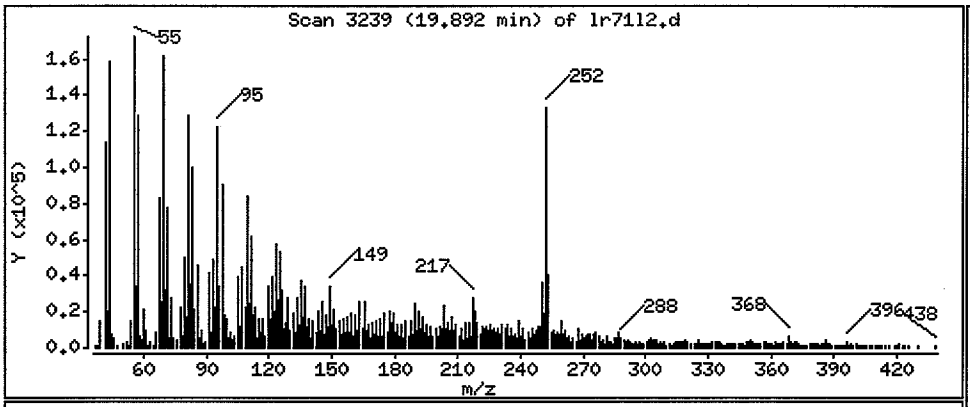
Operator: VTS

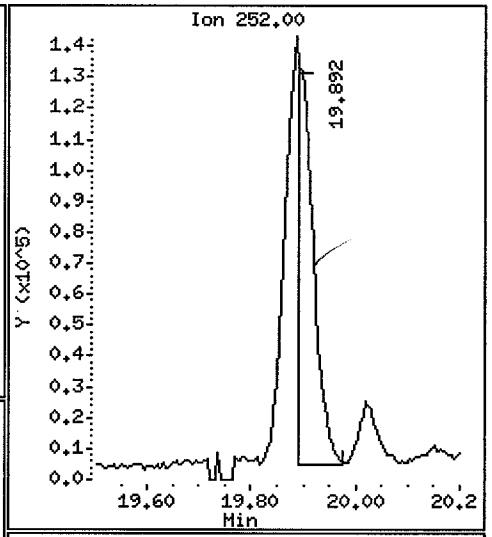
Column phase: ZB-5

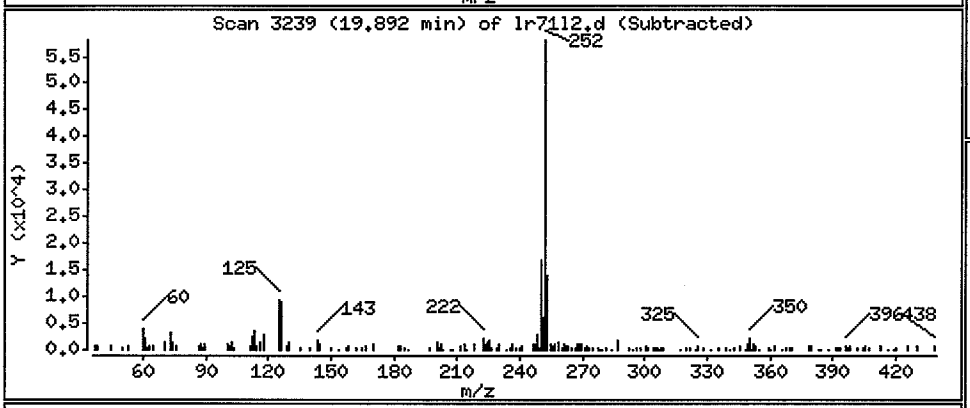
Column diameter: 0.32

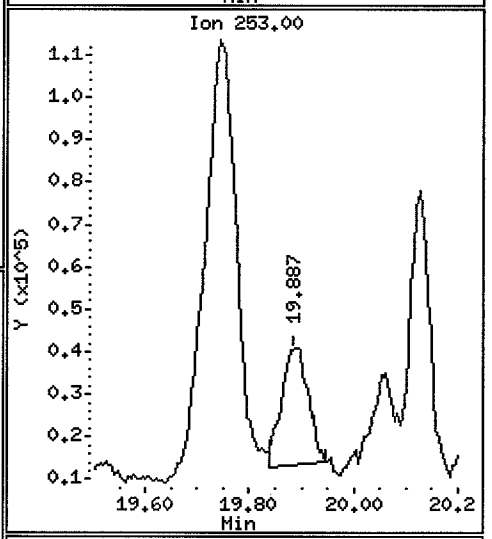
75 Benzo(k)fluoranthene

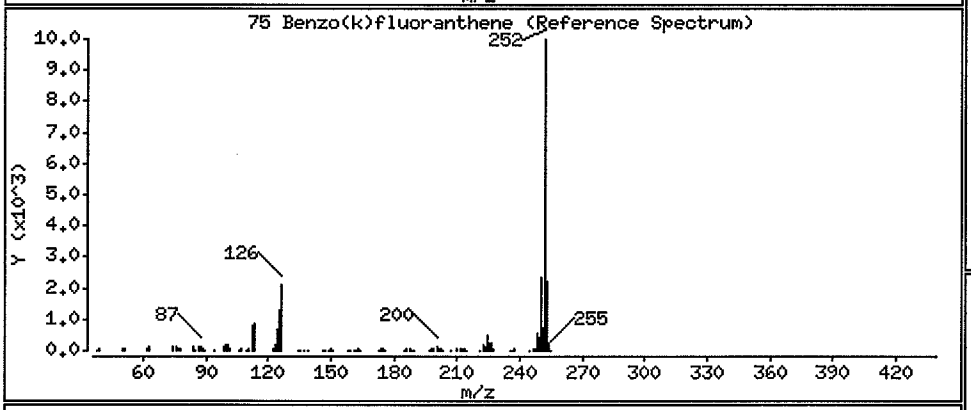
Concentration: 160.9 ug/Kg

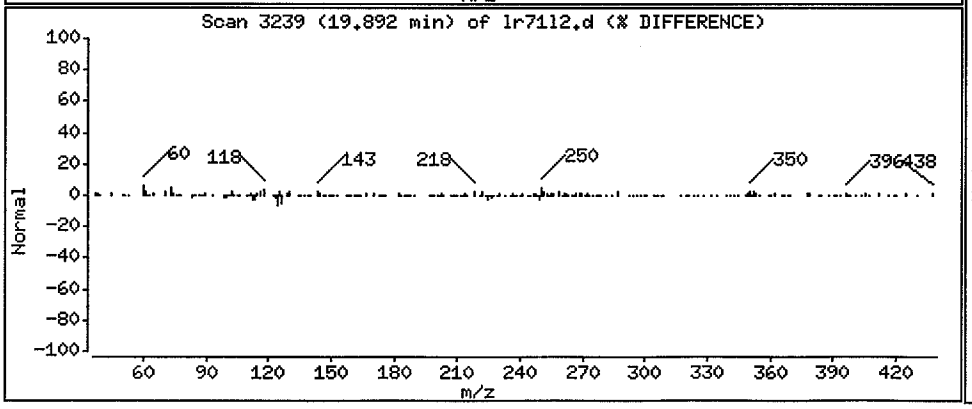


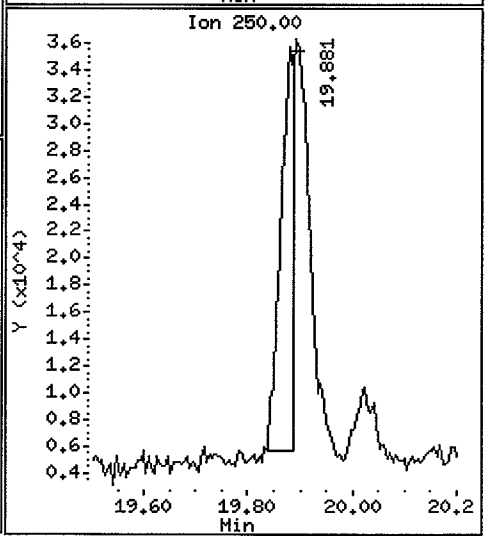












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

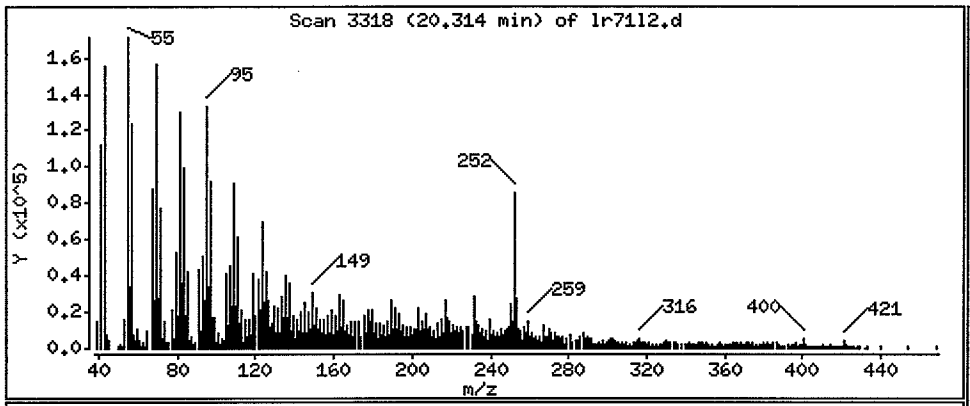
Operator: VTS

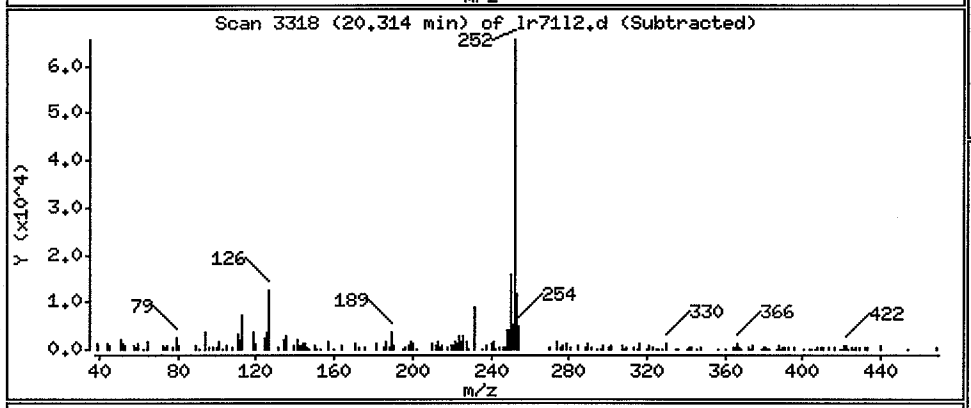
Column phase: ZB-5

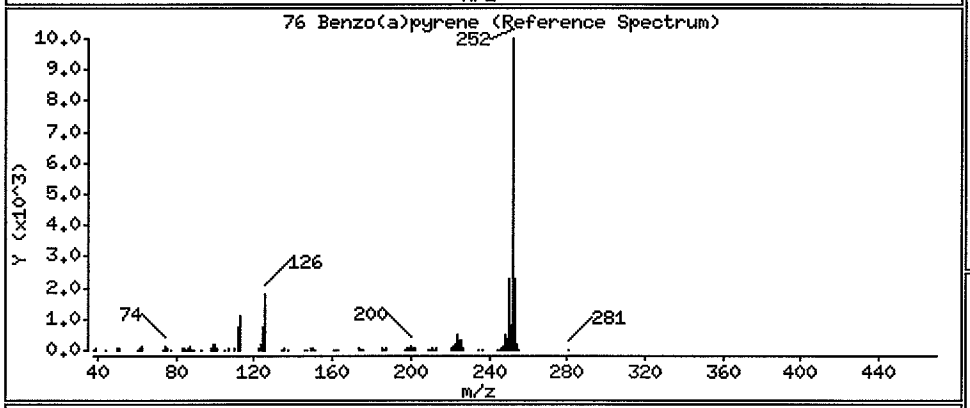
Column diameter: 0.32

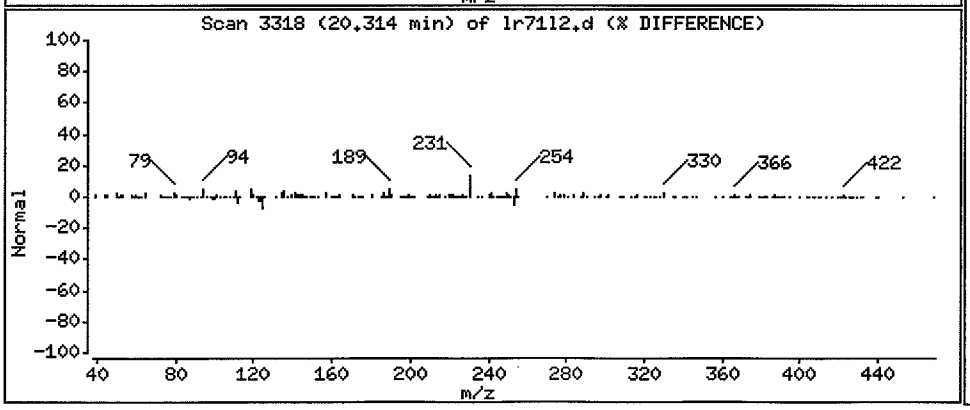
76 Benzo(a)pyrene

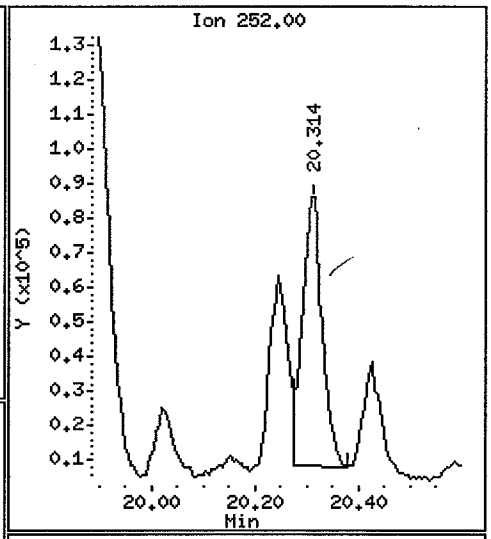
Concentration: 151.3 ug/Kg

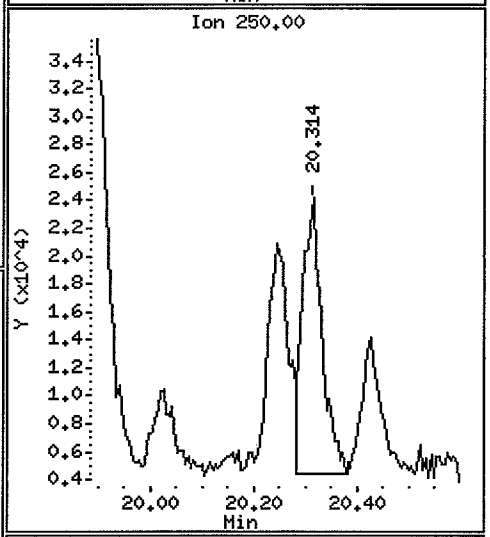


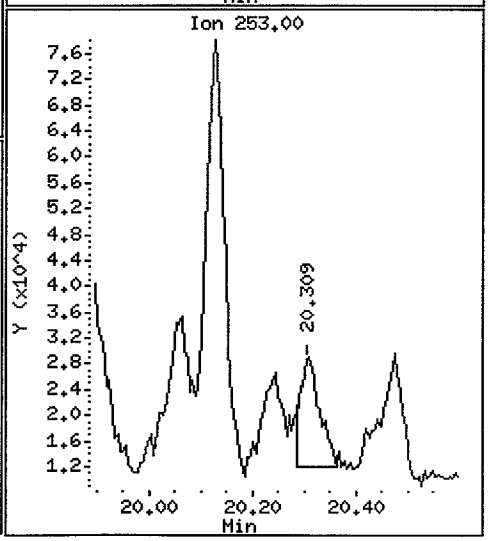












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

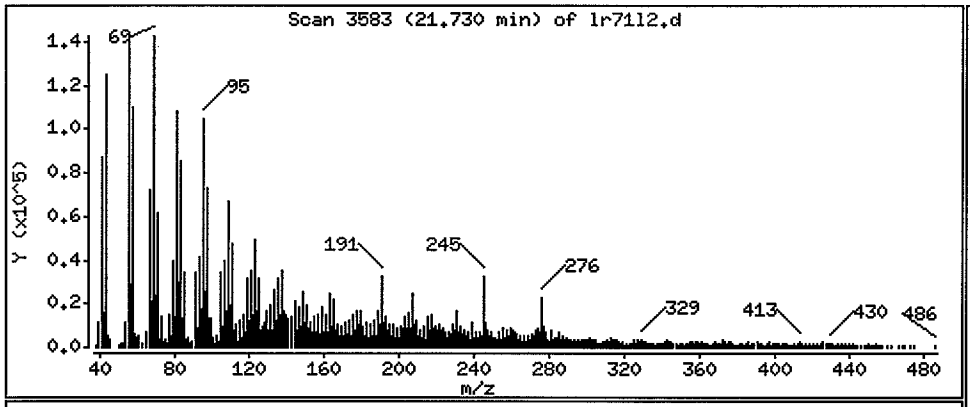
Operator: VTS

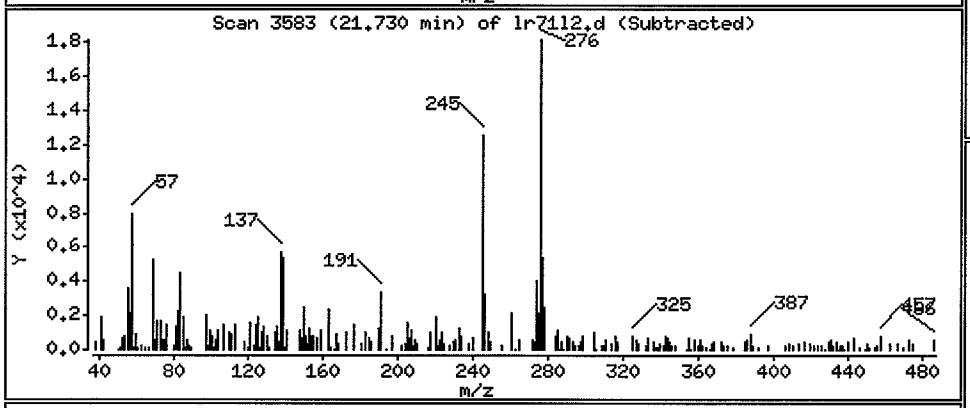
Column phase: ZB-5

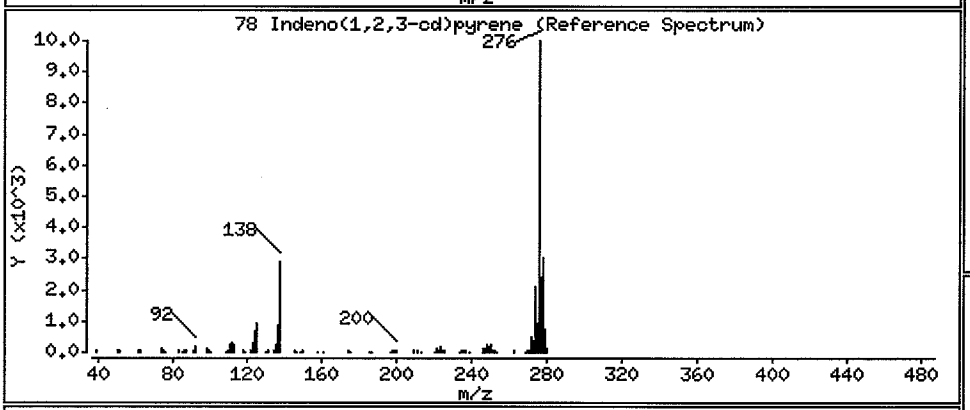
Column diameter: 0.32

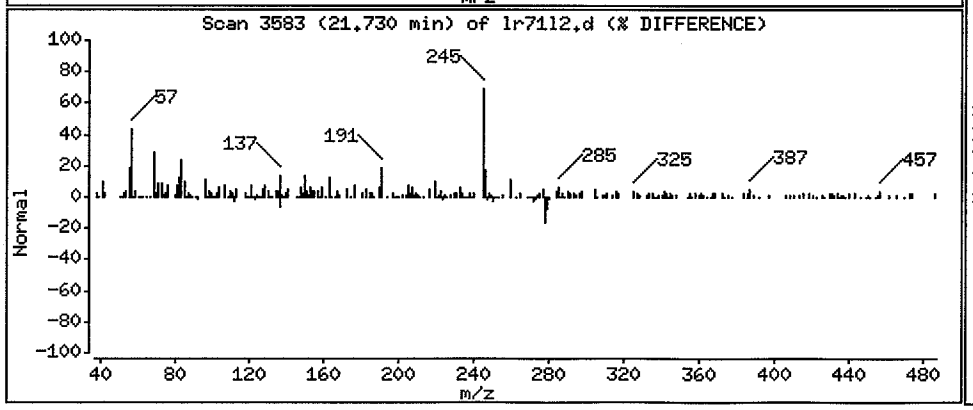
78 Indeno(1,2,3-cd)pyrene

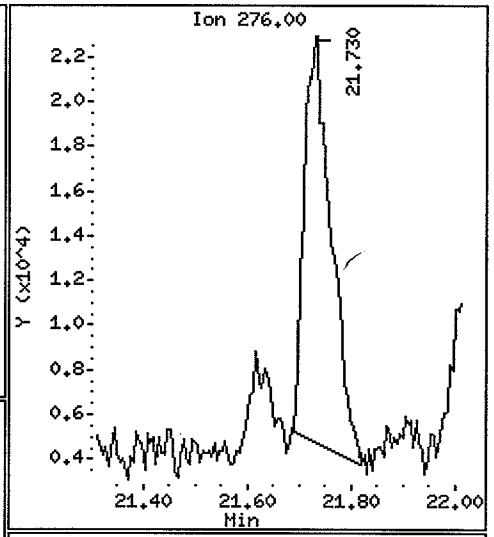
Concentration: 43.44 ug/Kg

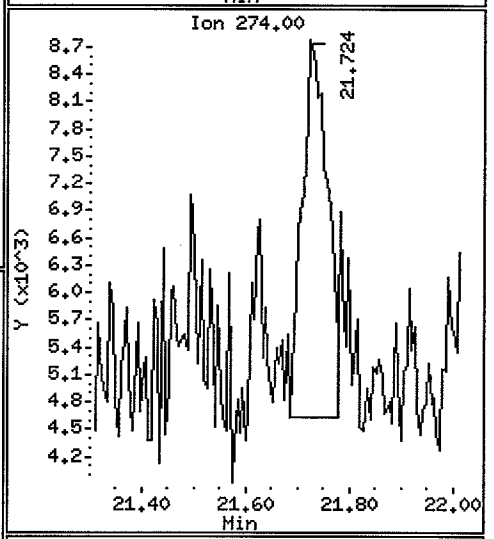


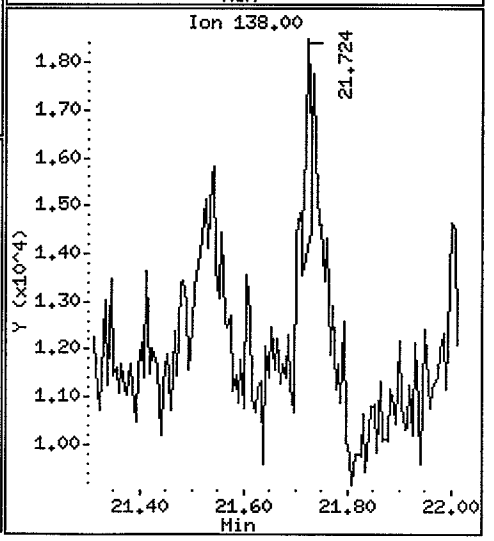












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

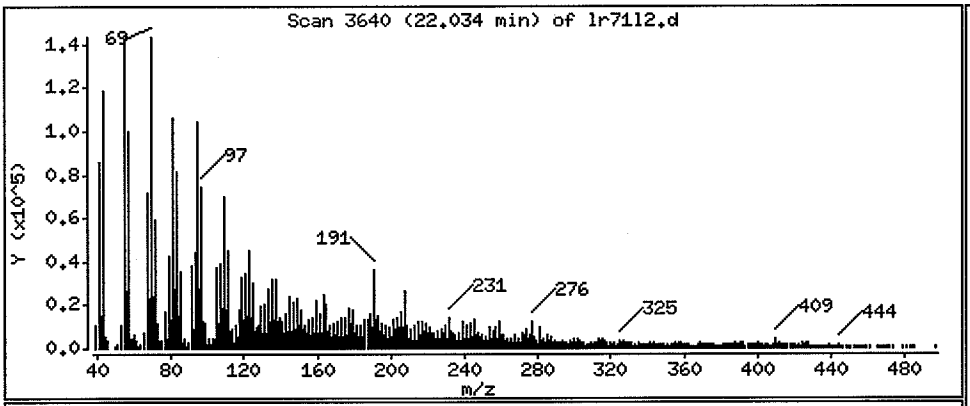
Operator: VTS

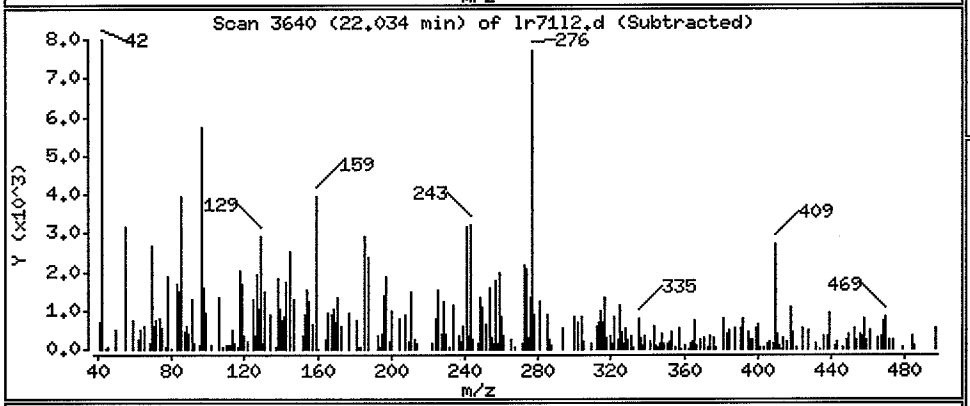
Column phase: ZB-5

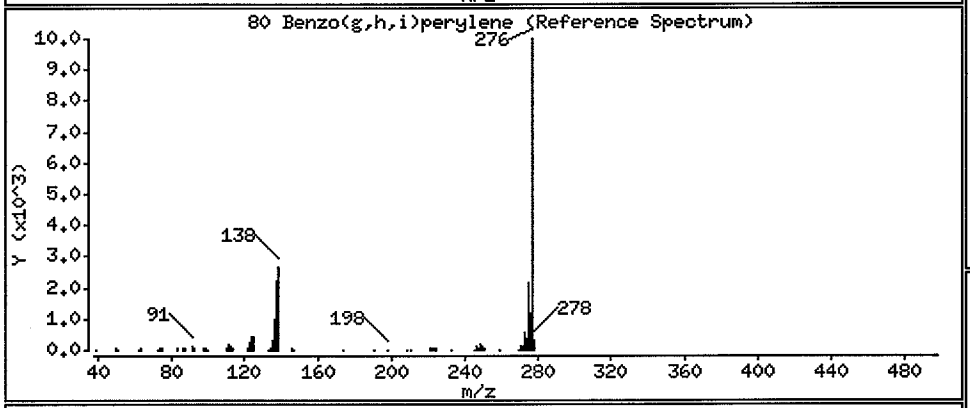
Column diameter: 0.32

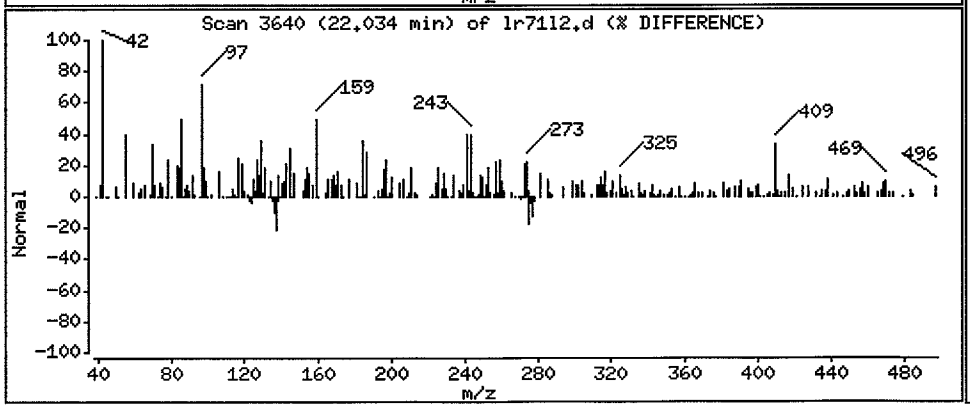
80 Benzo(g,h,i)perylene

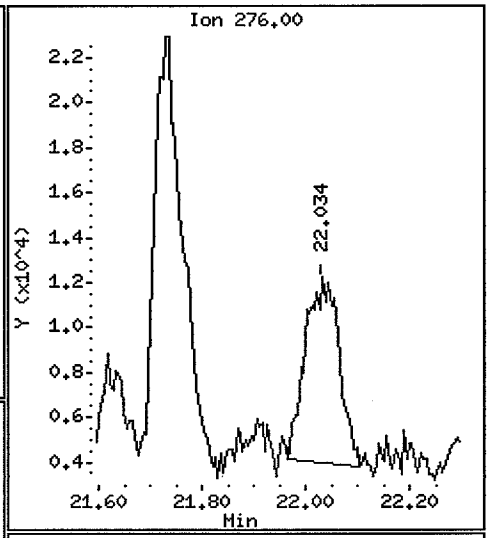
Concentration: 27.28 ug/Kg

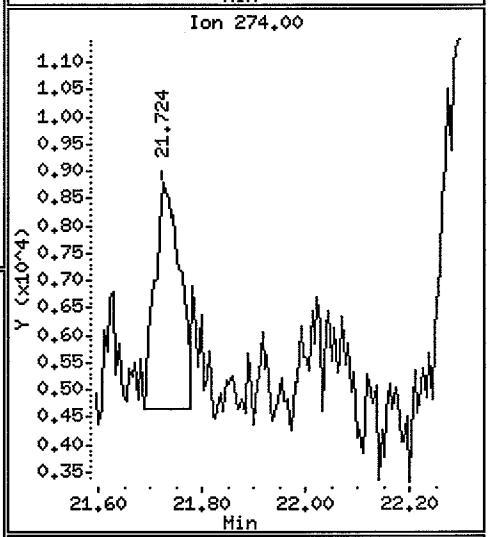


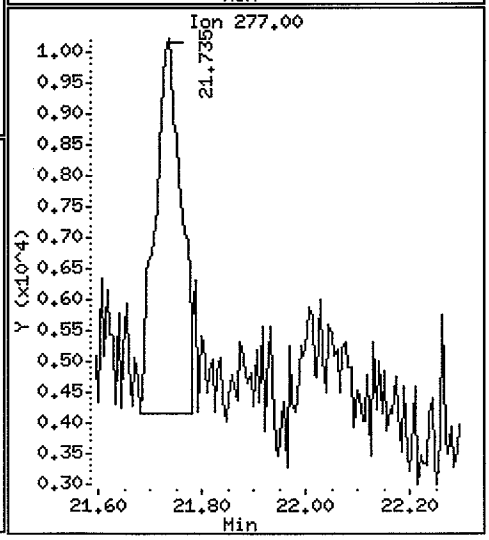












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

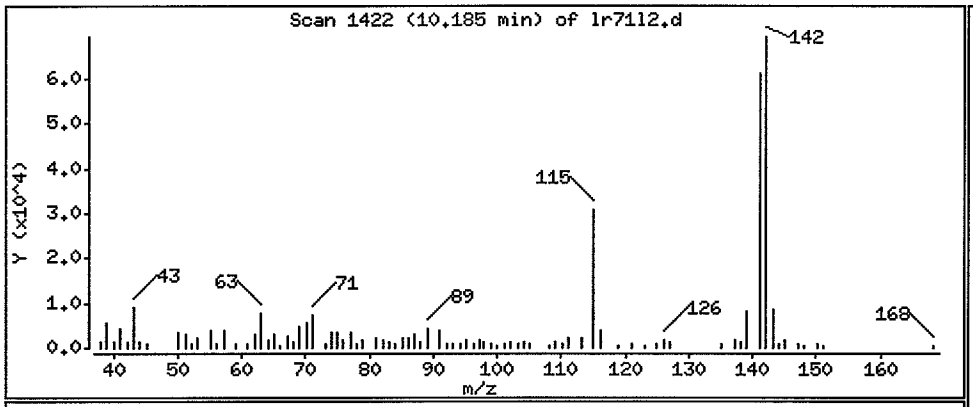
Operator: VTS

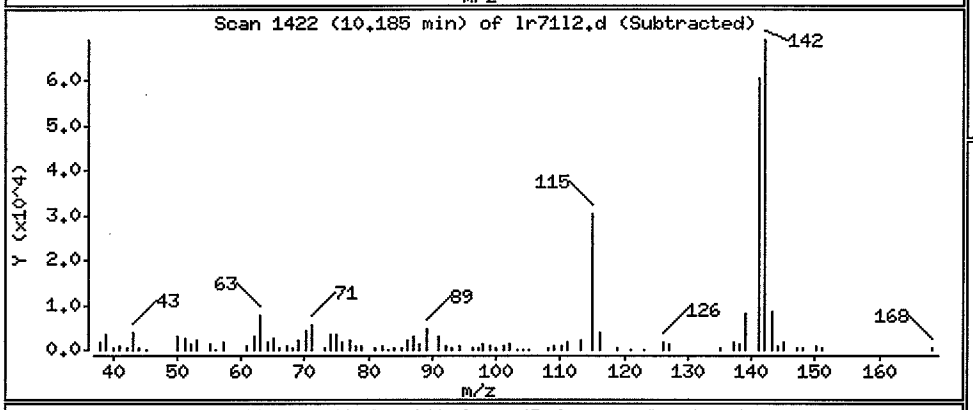
Column phase: ZB-5

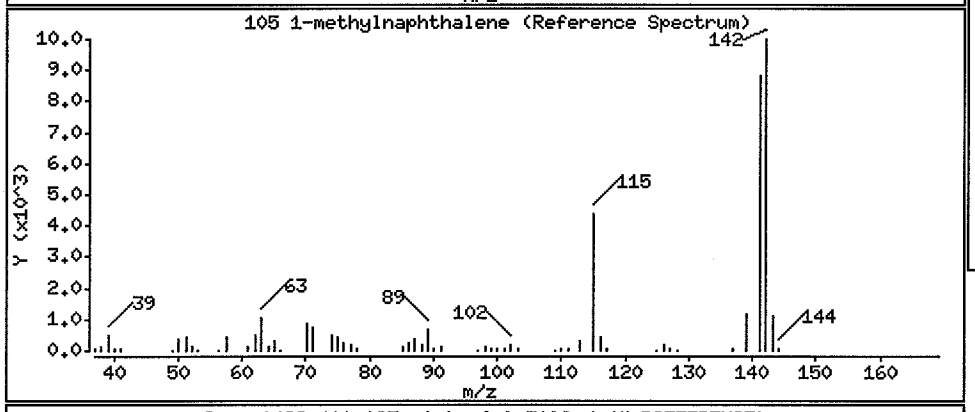
Column diameter: 0.32

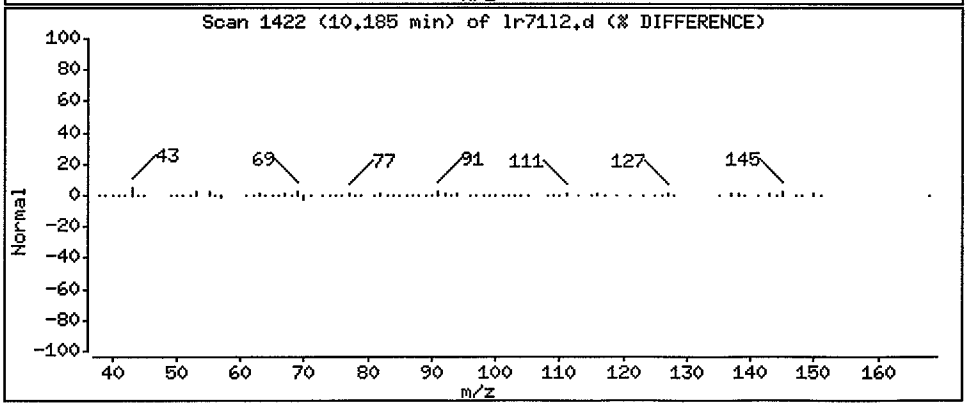
105 1-methylnaphthalene

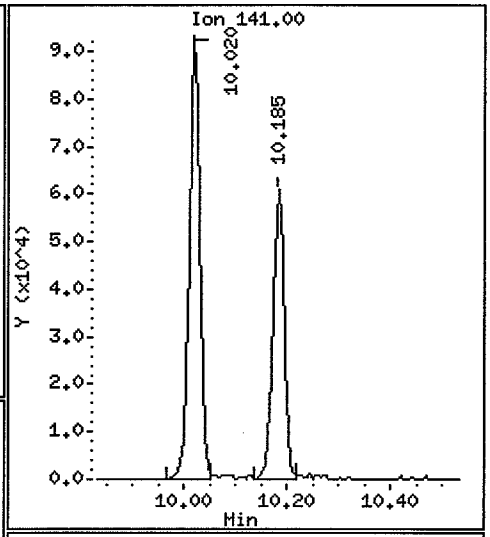
Concentration: 96.19 ug/Kg

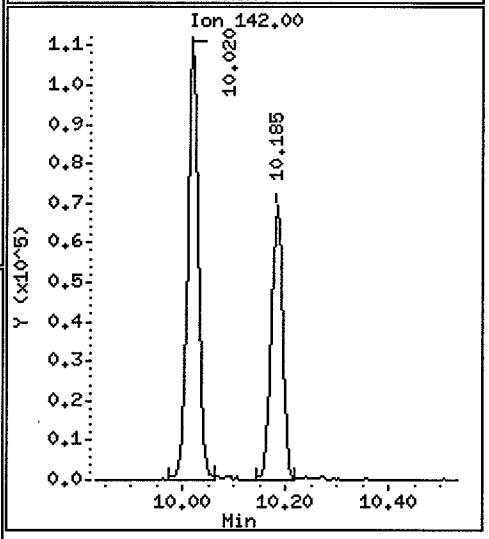












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

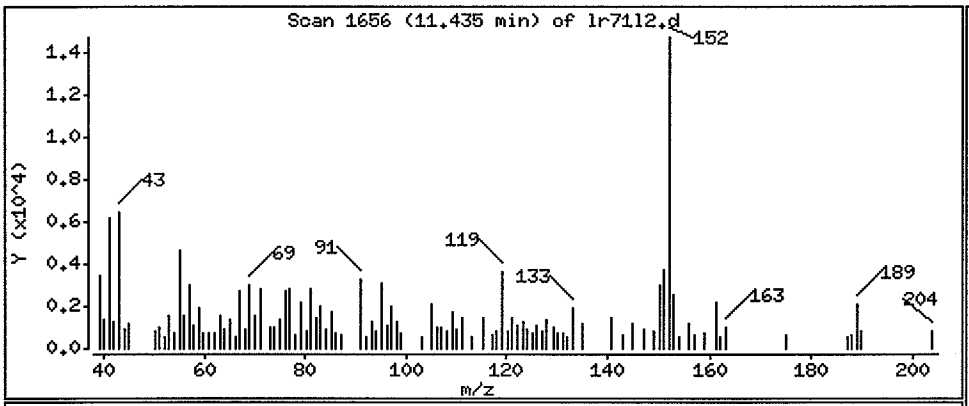
Operator: VTS

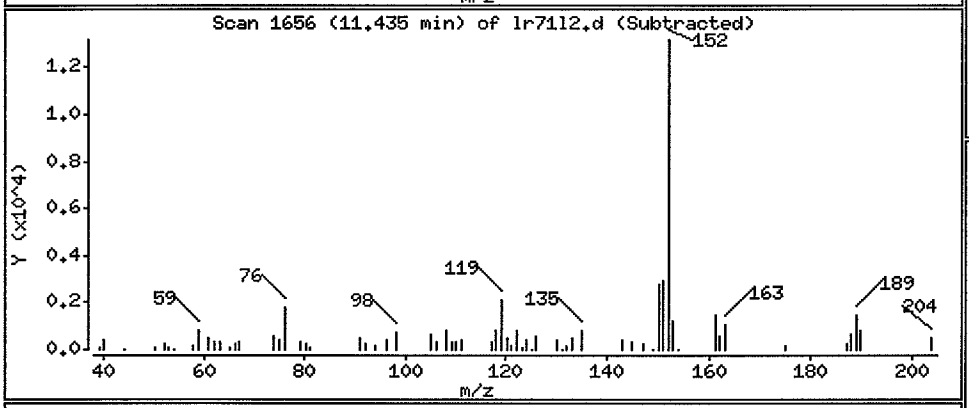
Column phase: ZB-5

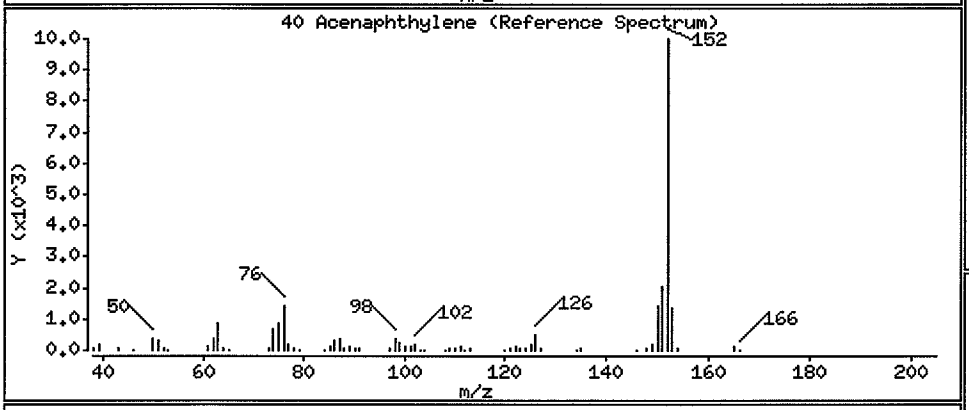
Column diameter: 0.32

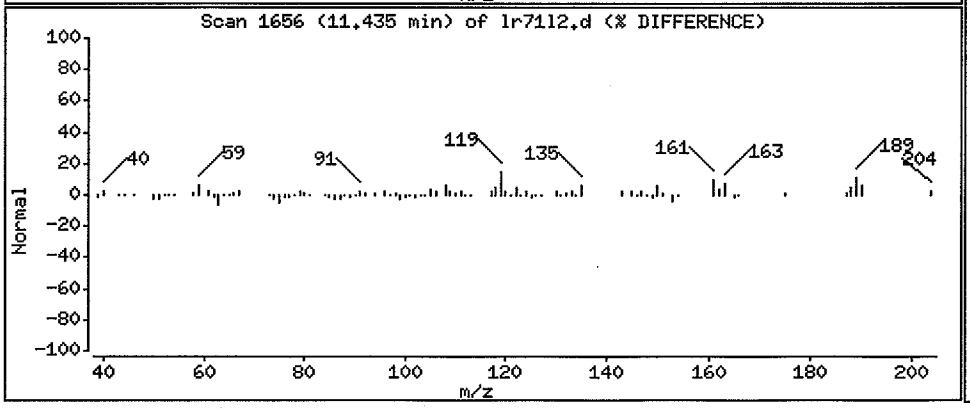
40 Acenaphthylene

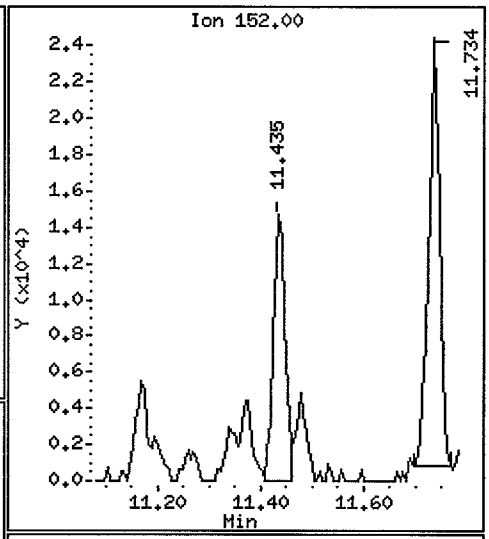
Concentration: 14.68 ug/Kg

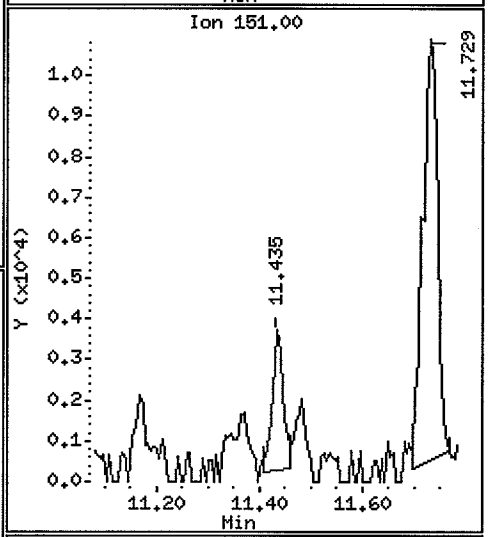


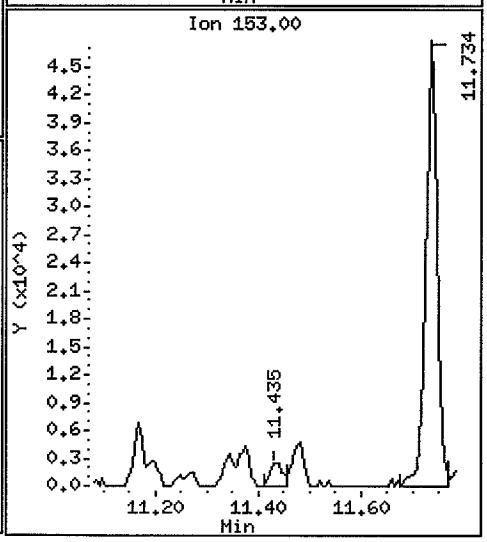












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

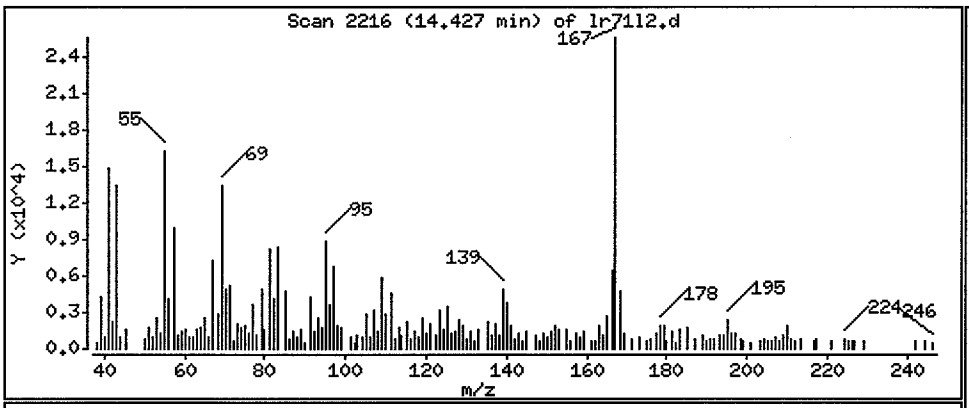
Operator: VTS

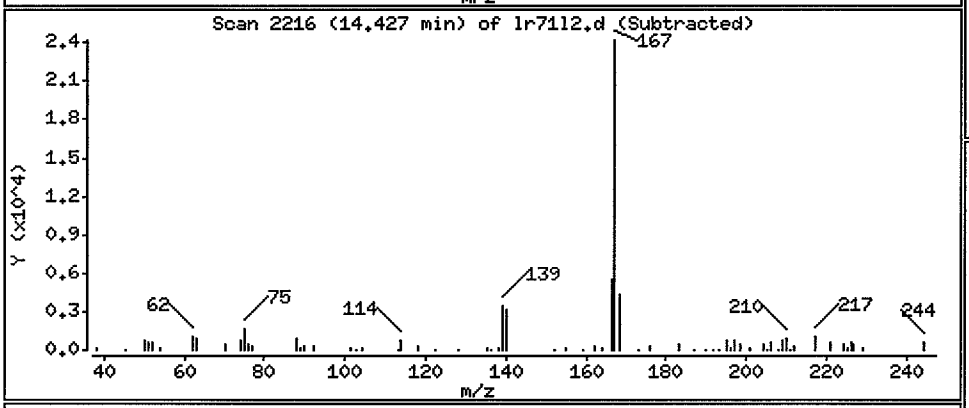
Column phase: ZB-5

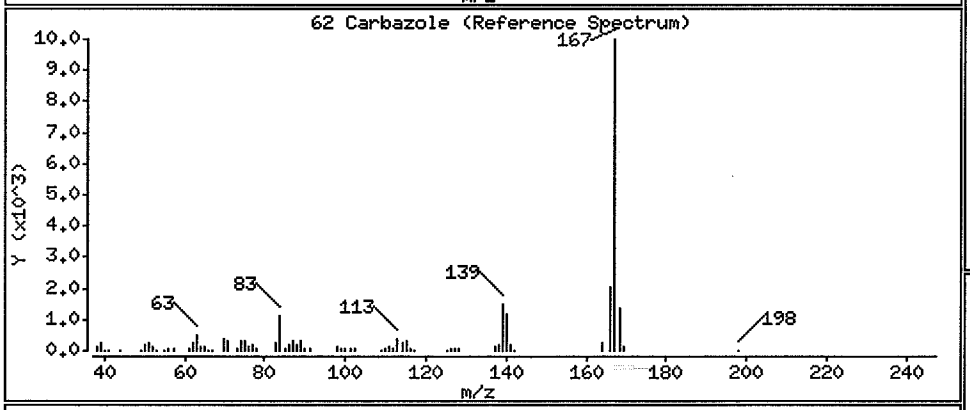
Column diameter: 0.32

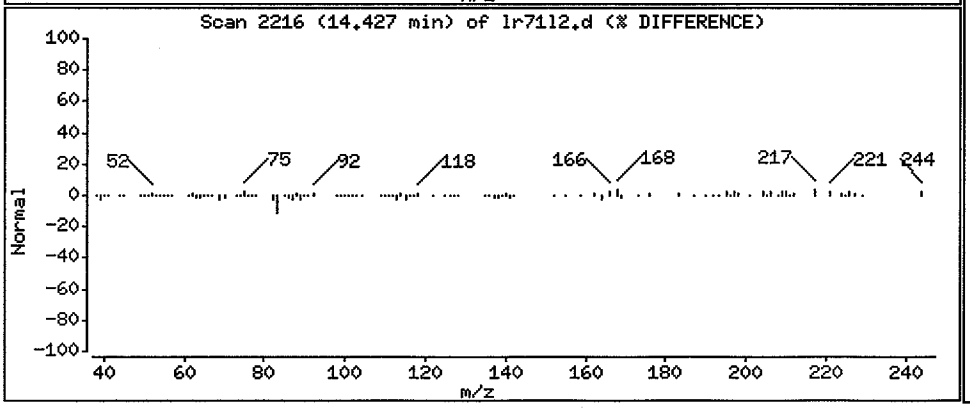
62 Carbazole

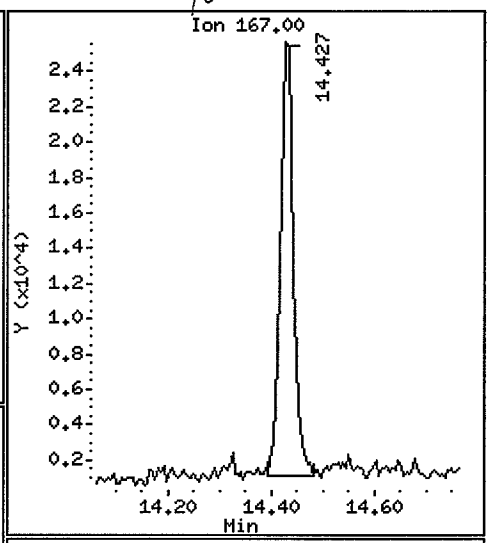
Concentration: 29.51 ug/Kg

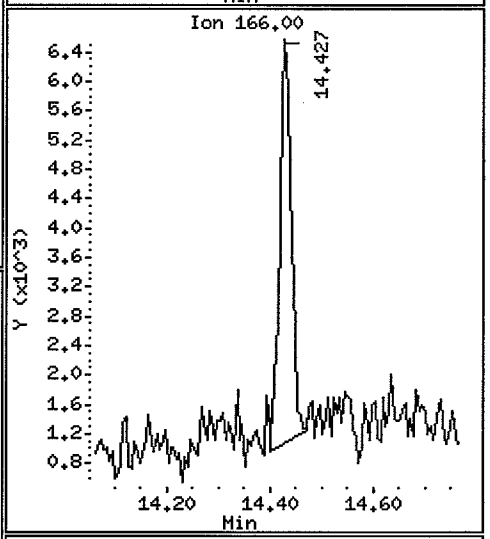


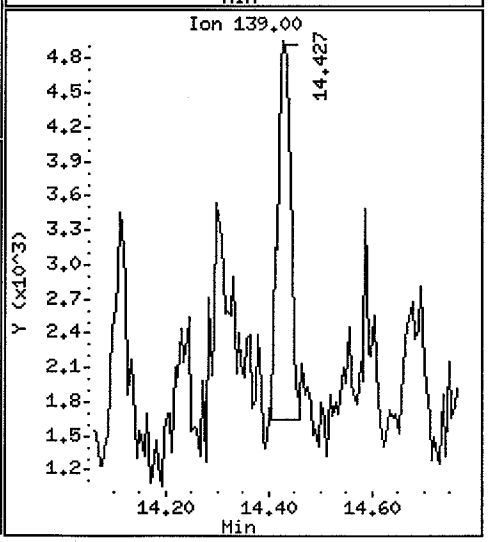












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

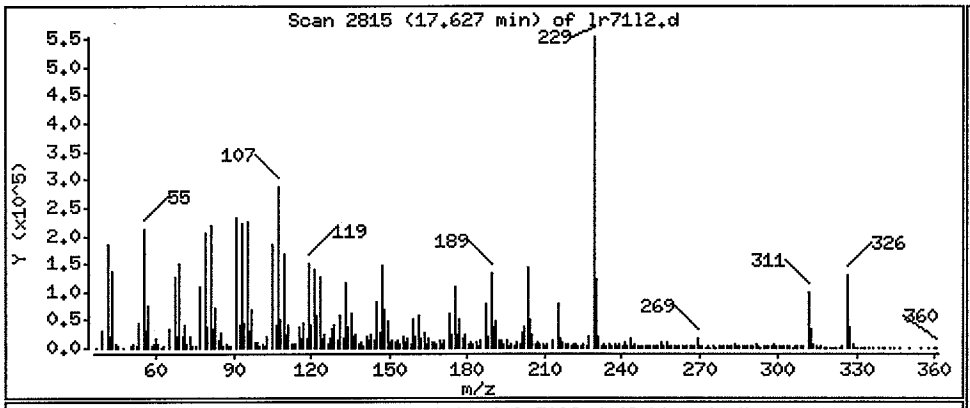
Operator: VTS

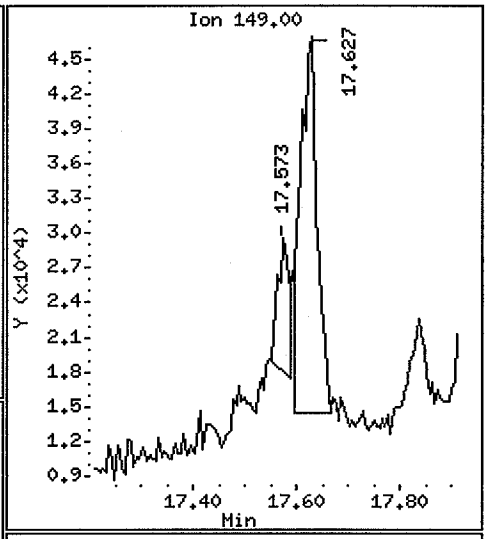
Column phase: ZB-5

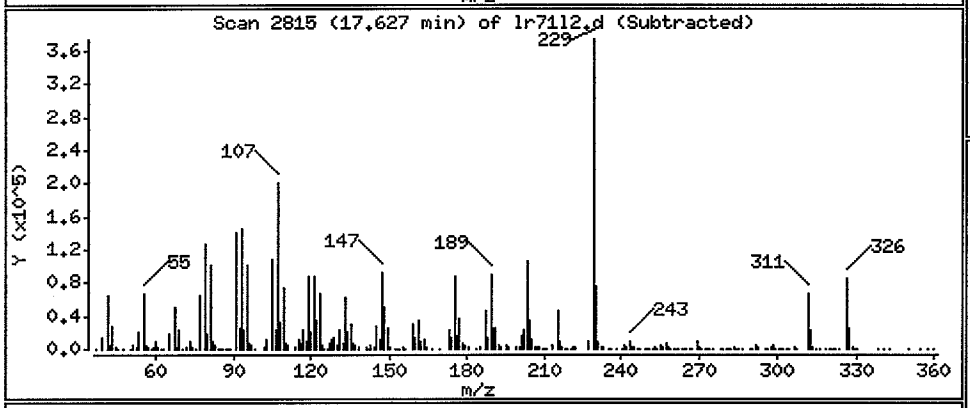
Column diameter: 0.32

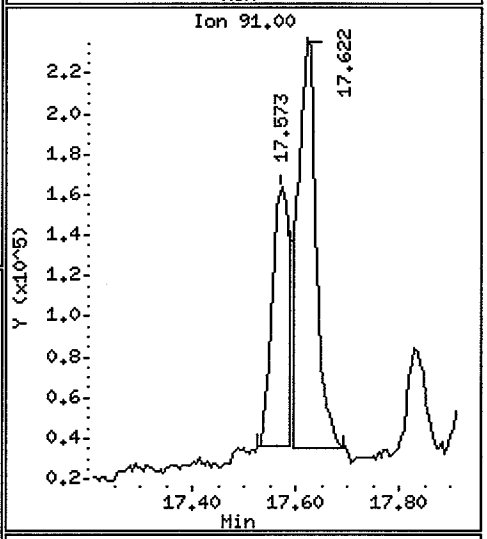
67 Butylbenzylphthalate

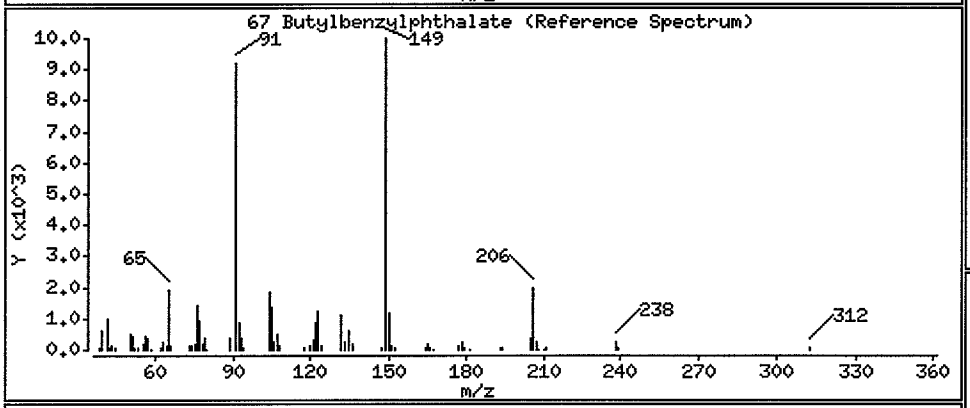
Concentration: 81.24 ug/Kg

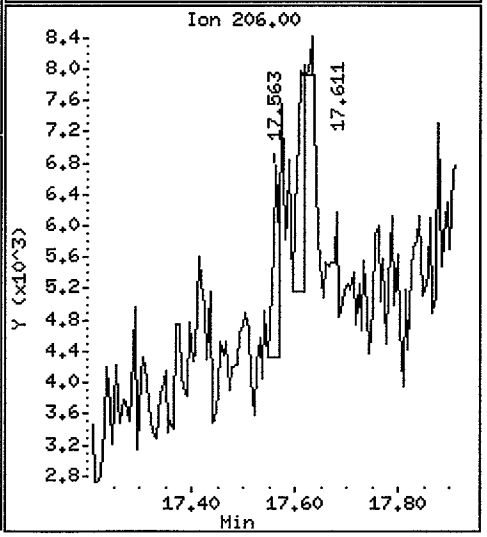


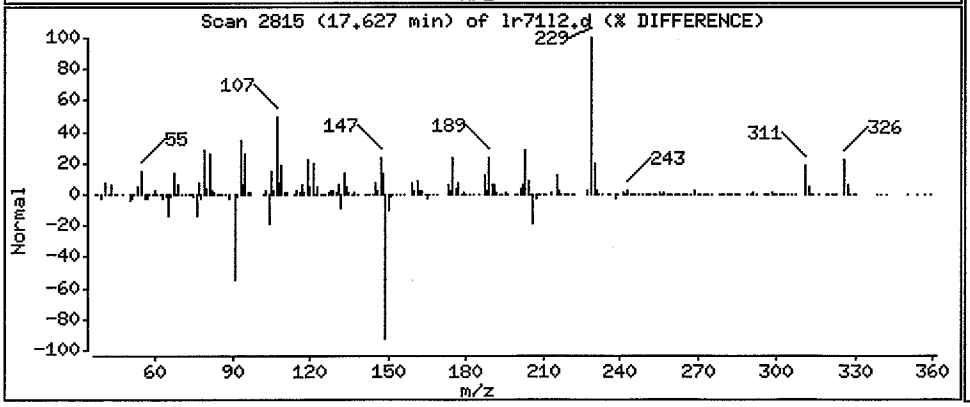












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

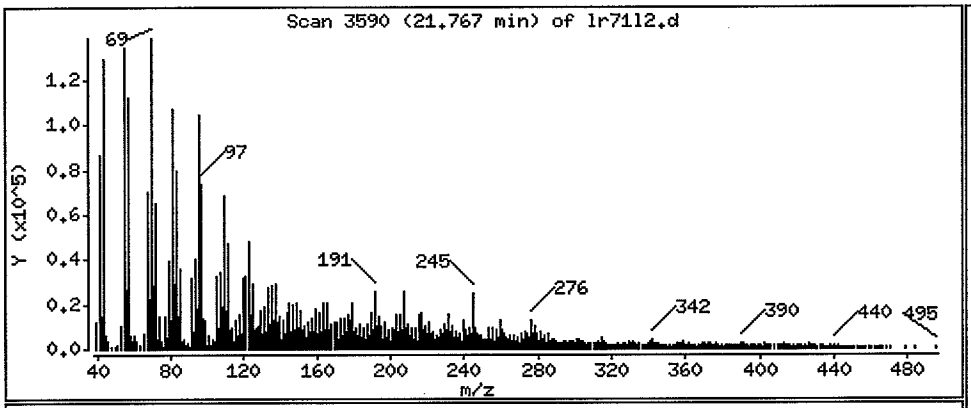
Operator: VTS

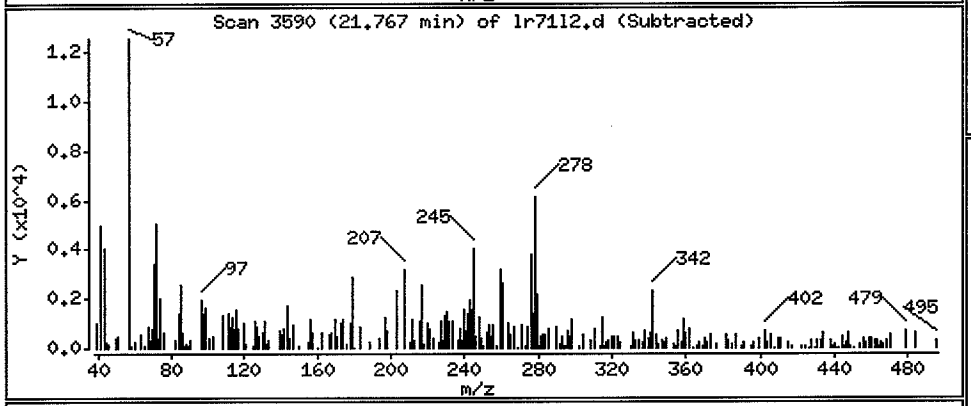
Column phase: ZB-5

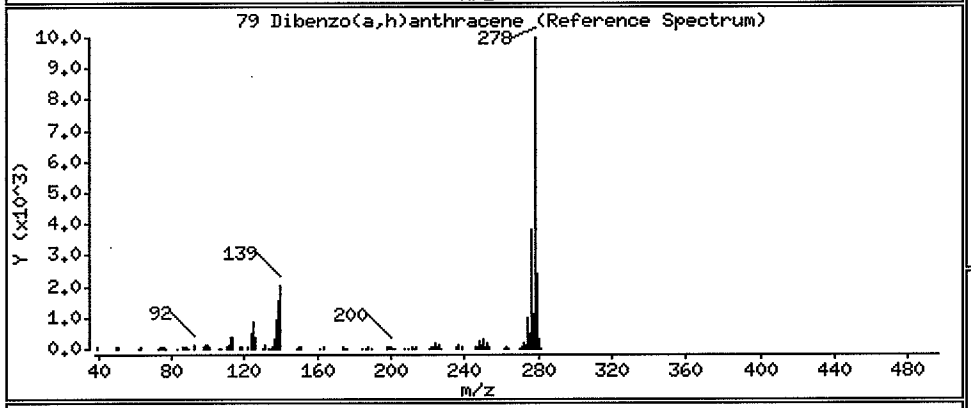
Column diameter: 0.32

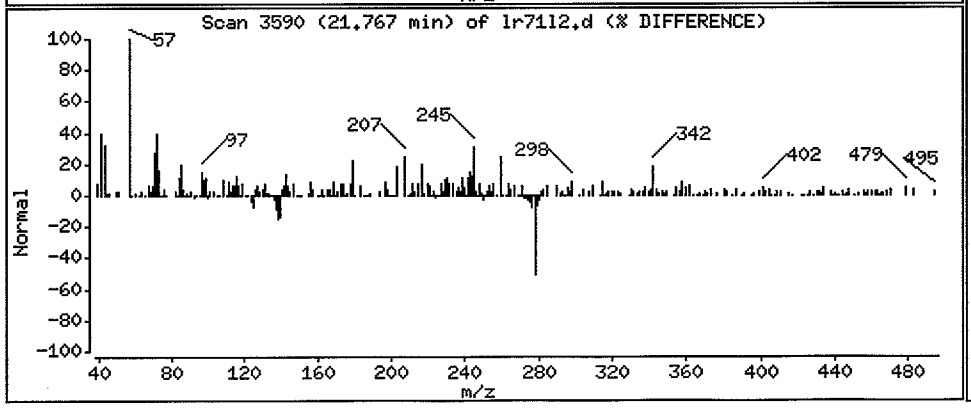
79 Dibenzo(a,h)anthracene

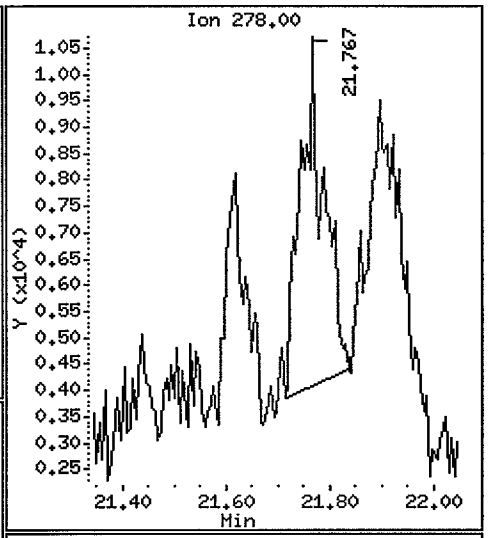
Concentration: 16.78 ug/Kg

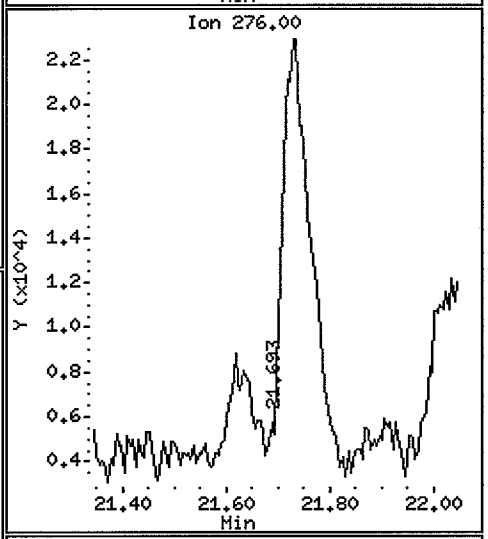


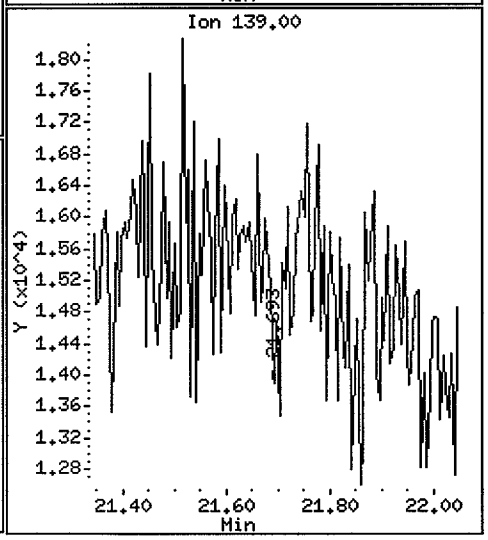












Analytical Resources, Incorporated
Analytical Chemists and Consultants

November 7, 2008

Joy Dunay
Anchor Environmental, LLC
1423 3rd Avenue, Suite 300
Seattle, WA 98101

RE: Client Project: 000105-01, Kimberly Clark
ARI Job No.: NN88

Dear Joy:

Please find enclosed the original Chain-of-Custody (COC) record, sample receipt documentation, and the final data package for samples from the project referenced above.

Sample receipt and details of these analyses are discussed in the Case Narrative.

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

Sincerely,

ANALYTICAL RESOURCES, INC.

Cheronne Oreiro
Project Manager
-For-
Susan Dunnihoo
Director, Client Services
sue@arilabs.com
206-695-6207

Enclosures

cc: eFile NN88

Chain of Custody
Documentation

prepared
for

ANCHOR ENVIRONMENTAL, LLC

Project: KIMBERLY CLARK, 000105-01

ARI JOB NO: NN88

prepared
by

Analytical Resources, Inc.

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: NN88	Turn-around Requested: 2 wk	Page: 1 of 1	
ARI Client Company: Anchor	Phone: 206 287 9130	Date: 9/9/08	Ice Present?
Client Contact: David Gillingham / Joy Punay		No. of Coolers:	Cooler Temps: 4.2°C
Client Project Name: Kimberly Clark			
Client Project #: 000105-01	Samplers: DG, NS, MH		

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

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: TOC/TS	TVS	Grain Size	Pore Water Ammonia/Sulfide					Notes/Comments
AN-SB-01-080908	9/8/08	915	Sed	6	X	X	X	X					MS/MSD
AN-SB-02-080908	9/8/08	1015		5	X	X	X	X					
AN-SB-03-080908		1100		5	X	X	X	X					
AN-SB-04-080908		1150		5	X	X	X	X					
AN-SB-05-080908		1300		5	X	X	X	X					
AN-SB-06-080908		1330		5	X	X	X	X					
AN-SB-07-080908		1400		5	X	X	X	X					

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: David Gillingham	Printed Name: Joe, Chuck Hin Li	Printed Name:	Printed Name:
	Company: Anchor	Company: ARI	Company:	Company:
	Date & Time: 9/9/08 0800	Date & Time: 9/9/08 800	Date & Time:	Date & Time:

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

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

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: Anchor | Project Name: Kimberly Clark

COC No: | Delivered by: Hand

Assigned ARI Job No: NN88 | Tracking No:

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler?	YES	(NO)
Were custody papers included with the cooler?	(YES)	NO
Were custody papers properly filled out (ink, signed, etc.)	(YES)	NO
Record cooler temperature (recommended 2.0-6.0 °C for chemistry	2.0/4.2 °C	

Cooler Accepted by: JL Date: 9/9/08 Time: 800

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?	YES	(NO)
What kind of packing material was used?	Bag Ice	
Was sufficient ice used (if appropriate)?	(YES)	NO
Were all bottles sealed in individual plastic bags?	YES	(NO)
Did all bottle arrive in good condition (unbroken)?	(YES)	NO
Were all bottle labels complete and legible?	(YES)	NO
Did all bottle labels and tags agree with custody papers?	(YES)	NO
Were all bottles used correct for the requested analyses?	(YES)	NO
Do any of the analyses (bottles) require preservation? (attach preservation checklist)	YES	(NO)
Were all VOC vials free of air bubbles? (NA)	YES	NO
Was sufficient amount of sample sent in each bottle?	(YES)	NO

Samples Logged by: JL Date: 9/9/08 Time: 916

*** Notify Project Manager of discrepancies or concerns ***

Explain discrepancies or negative responses:

By: Date:

0003

Case Narrative

prepared
for

ANCHOR ENVIRONMENTAL, LLC

Project: KIMBERLY CLARK, 000105-01

ARI JOB NO: NN88

prepared
by

Analytical Resources, Inc.

Case Narrative

Client: Anchor Environmental
Project: 000105-01, Kimberly Clark
Matrix: Sediment
ARI Job No.: NN88

Sample receipt

Seven sediment samples were received September 9, 2008 under the ARI job number referenced above. The samples were received in good condition. The cooler temperatures measured by IR thermometer following ARI SOP were 2.0 and 4.2°C and the samples were iced. For further details regarding sample receipt, please refer to the Cooler Receipt Form.

General Chemistry Parameters

The samples were prepared and analyzed within the required holding time.

The method blanks were clean and the LCS had recoveries within limits for both batches. Standard reference recoveries were within limits for both batches.

The matrix replicates had RSD within limits. The matrix spike percent recoveries were within control limits.

GeoTech (Grain Size)

A laboratory-specific Case Narrative follows this page.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Client: Anchor Environmental, LLC	**ARI Project No.:** NN88
Client Project: Kimberly Clark	**Client Project No.:** 000105-01

Case Narrative

1. Seven samples were submitted for Pore Water Extraction by the Corp of Engineers draft interim guidelines and grain size analysis by Puget Sound Estuary Protocol (PSEP) methodology.
2. The sediment for pore water extraction was placed in the nitrogen chamber along with centrifuge bottles, spoons and a balance. The chamber was sealed and filled with nitrogen. The centrifuge bottles were opened to allow them to come to equilibrium with the chamber. The oxygen level in the chamber was less than 1%.
3. All centrifuge bottles were soaked in 5% nitric acid, rinsed with deionized water, pre-rinsed with Hexane and allowed to dry completely. All spoons were pre-rinsed with Dichloromethane.
4. All samples were centrifuged in a pre-cooled centrifuge (4°C) at 3,000 x g for 30 minutes, decanted in the nitrogen chamber, and then placed in another pre-cooled centrifuge (4°C) and spun at 7,000-x g for 30 minutes.
5. Some of the samples had "floaters," material that was floating on the top (or within the water) and could not be separated by centrifuging.
6. The grain size analysis samples were received in 16 oz plastic jars.
7. The samples were run in a single batch and one sample from this job, AN-SB-01-080908, was chosen for triplicate analysis. The triplicate data is reported on the QA Summary.
8. All of the samples contained shell fragments and organic debris which may have broken down during the sieving process, possibly affecting the grain size distribution.
9. The data is provided in summary tables and plots.
10. There were no other anomalies in the samples or methods on this project.

Approved by: Lucinda Antrim Date: 11/2/08
Title: Laboratory Supervisor

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

Data Summary Package

prepared
for

ANCHOR ENVIRONMENTAL, LLC

Project: KIMBERLY CLARK, 000105-01

ARI JOB NO: NN88

prepared
by

Analytical Resources, Inc.

GENERAL CHEMISTRY

SAMPLE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Client ID: AN-SB-01-080908
ARI ID: 08-22868 NN88A

Analyte	Date	Method	Units	RL	Sample
Total Solids	09/12/08 091208#2	EPA 160.3	Percent	0.01	66.20
Total Volatile Solids	09/10/08 091008#1	EPA 160.4	Percent	0.01	3.89
Total Organic Carbon	10/22/08 102208#1	Plumb,1981	Percent	0.020	0.749

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Client ID: AN-SB-02-080908
ARI ID: 08-22869 NN88B

Analyte	Date	Method	Units	RL	Sample
Total Solids	09/12/08 091208#2	EPA 160.3	Percent	0.01	62.40
Total Volatile Solids	09/10/08 091008#1	EPA 160.4	Percent	0.01	7.74
Total Organic Carbon	10/22/08 102208#1	Plumb,1981	Percent	0.020	0.402

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Client ID: AN-SB-03-080908
ARI ID: 08-22870 NN88C

Analyte	Date	Method	Units	RL	Sample
Total Solids	09/12/08 091208#2	EPA 160.3	Percent	0.01	50.40
Total Volatile Solids	09/10/08 091008#1	EPA 160.4	Percent	0.01	12.20
Total Organic Carbon	10/22/08 102208#1	Plumb,1981	Percent	0.020	3.42

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Client ID: AN-SB-04-080908
ARI ID: 08-22871 NN88D

Analyte	Date	Method	Units	RL	Sample
Total Solids	09/12/08 091208#2	EPA 160.3	Percent	0.01	70.20
Total Volatile Solids	09/10/08 091008#1	EPA 160.4	Percent	0.01	3.36
Total Organic Carbon	10/22/08 102208#1	Plumb,1981	Percent	0.020	3.04

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Client ID: AN-SB-05-080908
ARI ID: 08-22872 NN88E

Analyte	Date	Method	Units	RL	Sample
Total Solids	09/12/08 091208#2	EPA 160.3	Percent	0.01	66.20
Total Volatile Solids	09/10/08 091008#1	EPA 160.4	Percent	0.01	3.15
Total Organic Carbon	10/22/08 102208#1	Plumb,1981	Percent	0.020	2.63

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Client ID: AN-SB-06-080908
ARI ID: 08-22873 NN88F

Analyte	Date	Method	Units	RL	Sample
Total Solids	09/12/08 091208#2	EPA 160.3	Percent	0.01	67.60
Total Volatile Solids	09/10/08 091008#1	EPA 160.4	Percent	0.01	3.98
Total Organic Carbon	10/22/08 102208#1	Plumb,1981	Percent	0.020	2.13

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Client ID: AN-SB-07-080908
ARI ID: 08-22874 NN88G

Analyte	Date	Method	Units	RL	Sample
Total Solids	09/12/08 091208#2	EPA 160.3	Percent	0.01	39.10
Total Volatile Solids	09/10/08 091008#1	EPA 160.4	Percent	0.01	31.92
Total Organic Carbon	10/22/08 102208#1	Plumb,1981	Percent	0.020	3.41

RL Analytical reporting limit
U Undetected at reported detection limit

METHOD BLANK RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	Blank
Total Solids	09/12/08	Percent	< 0.01 U
	09/12/08		< 0.01 U
	09/12/08		< 0.01 U
Total Volatile Solids	09/10/08	Percent	< 0.01 U
Total Organic Carbon	10/22/08	Percent	< 0.020 U

LAB CONTROL RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	LCS	Spike Added	Recovery
Total Organic Carbon	10/22/08	Percent	0.525	0.500	105.0%

STANDARD REFERENCE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Date	Units	SRM	True Value	Recovery
Total Organic Carbon NIST #8704	10/22/08	Percent	3.44	3.35	102.7%

REPLICATE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: NN88A Client ID: AN-SB-01-080908					
Total Solids	09/12/08	Percent	66.20	66.70 66.50	0.4%
Total Volatile Solids	09/10/08	Percent	3.89	3.77 3.93	2.2%
Total Organic Carbon	10/22/08	Percent	0.749	0.737 0.818	5.7%

MS/MSD RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Analyte	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: NN88A Client ID: AN-SB-01-080908						
Total Organic Carbon	10/22/08	Percent	0.749	1.48	0.798	91.6%

GEOTECH

Anchor Environmental, LLC
Kimberly Clark 000105-01

Apparent Grain Size Distribution Summary
Percent Finer Than Indicated Size

Sample No.	Gravel			Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt				Clay	
Phi Size	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Sieve Size (microns)	3/8"	#4	#10 (2000)	#18 (1000)	#35 (500)	#60 (250)	#120 (125)	#230 (62)	31.00	15.60	7.80	3.90	2.00	1.00
AN-SB-01-080908	100.0	96.6	95.6	94.7	93.4	91.1	86.3	40.6	14.2	9.0	6.7	5.4	4.4	3.4
AN-SB-01-080908	100.0	98.0	96.7	96.0	94.7	92.4	87.6	41.2	15.2	9.7	7.3	5.7	4.8	3.7
AN-SB-01-080908	100.0	97.8	96.6	95.6	94.2	91.9	87.5	41.8	15.7	9.7	7.2	5.7	4.8	3.6
AN-SB-02-080908	100.0	97.3	94.1	91.3	89.2	86.6	73.7	35.3	19.0	11.6	8.6	6.6	5.2	3.7
AN-SB-03-080908	100.0	99.1	93.2	88.1	84.5	79.4	47.4	36.4	32.7	25.8	18.9	13.5	10.2	7.0
AN-SB-04-080908	100.0	94.0	85.8	79.0	74.9	63.5	21.7	14.9	10.8	7.4	5.4	4.1	3.1	2.2
AN-SB-05-080908	100.0	98.8	95.1	93.5	91.4	65.2	12.9	6.7	5.7	4.5	3.8	3.0	2.4	1.9
AN-SB-06-080908	100.0	99.0	96.6	95.0	92.6	66.9	19.4	13.6	9.8	7.2	5.2	3.8	2.9	2.2
AN-SB-07-080908	100.0	96.8	93.3	88.5	77.5	67.3	62.4	43.7	27.0	18.6	13.7	10.4	8.2	5.9

Notes to the Testing:

1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

NN88

0021

Anchor Environmental, LLC
Kimberly Clark 000105-01

Apparent Grain Size Distribution Summary
Percent Retained in Each Size Fraction

Sample No.	Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Coarse Silt	Medium Silt	Fine Silt	Very Fine Silt	Clay			Total Fines
Phi Size	> -1	-1 to 0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	< 10	<4
Sieve Size (microns)	> #10 (2000)	10 to 18 (2000-1000)	18-35 (1000-500)	35-60 (500-250)	60-120 (250-125)	120-230 (125-62)	62.5-31.0	31.0-15.6	15.6-7.8	7.8-3.9	3.9-2.0	2.0-1.0	<1.0	<230 (<62)
AN-SB-01-080908	4.4	0.9	1.4	2.3	4.8	45.7	26.4	5.2	2.2	1.4	1.0	1.0	3.4	40.6
AN-SB-01-080908	3.3	0.7	1.3	2.4	4.7	46.4	26.0	5.5	2.3	1.6	1.0	1.1	3.7	41.2
AN-SB-01-080908	3.4	0.9	1.4	2.3	4.5	45.7	26.1	6.0	2.5	1.5	0.9	1.1	3.6	41.8
AN-SB-02-080908	5.9	2.8	2.2	2.6	12.9	38.4	16.3	7.4	3.0	2.0	1.4	1.5	3.7	35.3
AN-SB-03-080908	6.8	5.0	3.7	5.1	31.9	11.1	3.7	6.8	6.9	5.4	3.2	3.2	7.0	36.4
AN-SB-04-080908	14.2	6.8	4.1	11.4	41.8	6.8	4.1	3.4	1.9	1.3	1.0	0.9	2.2	14.9
AN-SB-05-080908	4.9	1.6	2.1	26.1	52.3	6.2	1.0	1.1	0.8	0.8	0.6	0.5	1.9	6.7
AN-SB-06-080908	3.4	1.6	2.4	25.7	47.5	5.8	3.8	2.6	1.9	1.4	0.9	0.8	2.2	13.6
AN-SB-07-080908	6.7	4.8	11.0	10.2	4.9	18.7	16.7	8.4	4.9	3.3	2.1	2.3	5.9	43.7

Notes to the Testing:
1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

NN88

QA SUMMARY

PROJECT:	Anchor Environmental, LLC	Project No.:	Kimberly Clark 000105-01
ARI Triplicate Sample ID:	NN88 A	Batch No.:	NN88 -1
Client Triplicate Sample ID:	AN-SB-01-080908	Page:	1 of 1

Relative Standard Deviation, By Phi Size

Sample ID	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
AN-SB-01-080908	100.0	96.6	95.6	94.7	93.4	91.1	86.3	40.6	14.2	9.0	6.7	5.4	4.4	3.4
AN-SB-01-080908	100.0	98.0	96.7	96.0	94.7	92.4	87.6	41.2	15.2	9.7	7.3	5.7	4.8	3.7
AN-SB-01-080908	100.0	97.8	96.6	95.6	94.2	91.9	87.5	41.8	15.7	9.7	7.2	5.7	4.8	3.6
AVE	NA	97.44	96.30	95.47	94.11	91.79	87.13	41.20	15.03	9.44	7.08	5.60	4.66	3.59
STDEV	NA	0.76	0.61	0.66	0.69	0.66	0.74	0.61	0.80	0.42	0.31	0.20	0.23	0.16
%RSD	NA	0.78	0.63	0.69	0.73	0.71	0.85	1.48	5.30	4.48	4.39	3.60	4.94	4.41

The Triplicate Applies To The Following Samples

Client ID	Date Sampled	Date Extracted	Date Complete	QA Ratio (95-105)	Data Qualifiers	Pipette Portion (5.0-25.0g)
AN-SB-01-080908	9/8/2008	10/23/2008	10/31/2008	100.4		15.2
AN-SB-01-080908	9/8/2008	10/23/2008	10/31/2008	101.0		15.4
AN-SB-01-080908	9/8/2008	10/23/2008	10/31/2008	99.5		15.6
AN-SB-02-080908	9/8/2008	10/23/2008	10/31/2008	102.1		12.8
AN-SB-03-080908	9/8/2008	10/23/2008	10/31/2008	99.4		10.1
AN-SB-04-080908	9/8/2008	10/23/2008	10/31/2008	99.7		6.1
AN-SB-05-080908	9/8/2008	10/23/2008	10/31/2008	98.8	SS	3.9
AN-SB-06-080908	9/8/2008	10/23/2008	10/31/2008	101.2		5.0
AN-SB-07-080908	9/8/2008	10/23/2008	10/31/2008	99.2		13.2

* ARI Internal QA limits = 95-105%

Notes to the Testing:

1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

Laboratory Data Package

prepared
for

ANCHOR ENVIRONMENTAL, LLC

Project: KIMBERLY CLARK, 000105-01

ARI JOB NO: NN88

prepared
by

Analytical Resources, Inc.

General Chemistry Analysis
QC Summary Data

prepared
for

ANCHOR ENVIRONMENTAL, LLC

Project: KIMBERLY CLARK, 000105-01

ARI JOB NO: NN88

prepared
by

Analytical Resources, Inc.

METHOD BLANK RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	Blank
Total Solids	09/12/08	Percent	< 0.01 U
	09/12/08		< 0.01 U
	09/12/08		< 0.01 U
Total Volatile Solids	09/10/08	Percent	< 0.01 U
Total Organic Carbon	10/22/08	Percent	< 0.020 U

LAB CONTROL RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	LCS	Spike Added	Recovery
Total Organic Carbon	10/22/08	Percent	0.525	0.500	105.0%

STANDARD REFERENCE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Date	Units	SRM	True Value	Recovery
Total Organic Carbon NIST #8704	10/22/08	Percent	3.44	3.35	102.7%

REPLICATE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: NN88A Client ID: AN-SB-01-080908					
Total Solids	09/12/08	Percent	66.20	66.70 66.50	0.4%
Total Volatile Solids	09/10/08	Percent	3.89	3.77 3.93	2.2%
Total Organic Carbon	10/22/08	Percent	0.749	0.737 0.818	5.7%

MS/MSD RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Analyte	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: NN88A Client ID: AN-SB-01-080908						
Total Organic Carbon	10/22/08	Percent	0.749	1.48	0.798	91.6%

General Chemistry Analysis
Sample Data

prepared
for

ANCHOR ENVIRONMENTAL, LLC

Project: KIMBERLY CLARK, 000105-01

ARI JOB NO: NN88

prepared
by

Analytical Resources, Inc.

SAMPLE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Client ID: AN-SB-01-080908
ARI ID: 08-22868 NN88A

Analyte	Date	Method	Units	RL	Sample
Total Solids	09/12/08 091208#2	EPA 160.3	Percent	0.01	66.20
Total Volatile Solids	09/10/08 091008#1	EPA 160.4	Percent	0.01	3.89
Total Organic Carbon	10/22/08 102208#1	Plumb,1981	Percent	0.020	0.749

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Client ID: AN-SB-02-080908
ARI ID: 08-22869 NN88B

Analyte	Date	Method	Units	RL	Sample
Total Solids	09/12/08 091208#2	EPA 160.3	Percent	0.01	62.40
Total Volatile Solids	09/10/08 091008#1	EPA 160.4	Percent	0.01	7.74
Total Organic Carbon	10/22/08 102208#1	Plumb,1981	Percent	0.020	0.402

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Client ID: AN-SB-03-080908
ARI ID: 08-22870 NN88C

Analyte	Date	Method	Units	RL	Sample
Total Solids	09/12/08 091208#2	EPA 160.3	Percent	0.01	50.40
Total Volatile Solids	09/10/08 091008#1	EPA 160.4	Percent	0.01	12.20
Total Organic Carbon	10/22/08 102208#1	Plumb,1981	Percent	0.020	3.42

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Client ID: AN-SB-04-080908
ARI ID: 08-22871 NN88D

Analyte	Date	Method	Units	RL	Sample
Total Solids	09/12/08 091208#2	EPA 160.3	Percent	0.01	70.20
Total Volatile Solids	09/10/08 091008#1	EPA 160.4	Percent	0.01	3.36
Total Organic Carbon	10/22/08 102208#1	Plumb,1981	Percent	0.020	3.04

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Client ID: AN-SB-05-080908
ARI ID: 08-22872 NN88E

Analyte	Date	Method	Units	RL	Sample
Total Solids	09/12/08 091208#2	EPA 160.3	Percent	0.01	66.20
Total Volatile Solids	09/10/08 091008#1	EPA 160.4	Percent	0.01	3.15
Total Organic Carbon	10/22/08 102208#1	Plumb,1981	Percent	0.020	2.63

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Client ID: AN-SB-06-080908
ARI ID: 08-22873 NN88F

Analyte	Date	Method	Units	RL	Sample
Total Solids	09/12/08 091208#2	EPA 160.3	Percent	0.01	67.60
Total Volatile Solids	09/10/08 091008#1	EPA 160.4	Percent	0.01	3.98
Total Organic Carbon	10/22/08 102208#1	Plumb,1981	Percent	0.020	2.13

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NN88-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 10/23/08

Project: KIMBERLY CLARK
Event: 000105-01
Date Sampled: 09/08/08
Date Received: 09/09/08

Client ID: AN-SB-07-080908
ARI ID: 08-22874 NN88G

Analyte	Date	Method	Units	RL	Sample
Total Solids	09/12/08 091208#2	EPA 160.3	Percent	0.01	39.10
Total Volatile Solids	09/10/08 091008#1	EPA 160.4	Percent	0.01	31.92
Total Organic Carbon	10/22/08 102208#1	Plumb,1981	Percent	0.020	3.41

RL Analytical reporting limit
U Undetected at reported detection limit

General Chemistry Analysis
Instrument Raw Data

prepared
for

ANCHOR ENVIRONMENTAL, LLC

Project: KIMBERLY CLARK, 000105-01

ARI JOB NO: NN88

prepared
by

Analytical Resources, Inc.

9-15-08

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET

SOLIDS *(dry at 104 (12-24 hr) then combust at 550 (30 min))*

DATE: 9/12/2008

ANALYST: CDE 20:30

Batch drying time			*TS (%) calculated as:*	*TVS (mg/kg dry wt) calculated as:*
record times as mm/dd/yy hh:mm			*Final dry wt (g) = (Dry Wt - Tare Wt)*	*Final ash wt (g) = (min ash wt - tare wt)*
CDE 9-11-08	time in oven	20:30	*TS = (Final Dry Wt)/ (grams Sample-Tare)*	*TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000*
CDE 9-12-08	time out	17:30		*if ash wt > dry wt, "Chk for Err"*
elapsed hrs =	#VALUE!	#VALUE!		*if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000*

SAMPLE ID	DISH #	SAMPLE (grams)	TARE WT (grams)	DRY WT 104C (grams) 1			dry Wt (g)	TS (%)	ASH WT 550C (grams) 1	2		Ash Wt (g)	TVS (mg/kg)	(%)
	Cal Date -->		9/10/2008	9/12/2008										
	Time & Initials -->		12:45 CDE	17:37 CDE										
Cal Wt (g)	10.0000		9.9998	9.9996										
	record weights to 4 places		*Cal OK!*	*Cal OK!*										
Blank		0.0000	1.0692	1.0683			0.00		1.0682	1.0683	OK	0.00		
NN95 A1		6.4915	1.1028	5.6423			4.54	84.2%						
NN95 A1 dup		7.1063	1.1266	6.0479			4.92	82.3%						
							RPD =	2.33%				RPD =	NA	
NN95 A1 trp		7.0327	1.1010	6.0843			4.98	84.0%						
							RSD =	1.27%				RSD =	NA	
NN95 B1		6.2706	1.0828	5.7148			4.63	89.3%						
NN95 C1		6.8962	1.1100	6.2057			5.10	88.1%						
NN95 D1		6.9739	1.1176	6.2713			5.15	88.0%						
NN95 E1		6.7257	1.1179	6.2533			5.14	91.6%						
NN95 F1		7.1736	1.1034	6.6818			5.58	91.9%						
NN95 G1		6.5235	1.1159	6.0969			4.98	92.1%						
NN95 H1		6.0583	1.0694	5.3641			4.29	86.1%						
NN95 I 1		6.0205	1.0628	5.3083			4.25	85.6%						
NN95 J 1		6.9523	1.0900	6.2115			5.12	87.4%						
NN92 A1		6.9658	1.0479	6.6835			5.64	95.2%						
NN92 A1 dup		6.4299	1.1120	6.1839			5.07	95.4%						
							RPD =	0.15%				RPD =	NA	
NN92 A1 trp		6.7178	1.0901	6.4433			5.35	95.1%						
							RSD =	0.13%				RSD =	NA	
NN92 B1		6.2451	1.0895	5.7997			4.71	91.4%						
NN92 C1		6.9078	1.0943	6.4713			5.38	92.5%						
NN92 D1		6.9296	1.0987	6.0277			4.93	84.5%						
NN92 E1		6.3777	1.0748	5.9831			4.91	92.6%						

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET

DATE: 9/12/2008

SOLIDS *(dry at 104 (12-24 hr) then combust at 550 (30 min))*

ANALYST: CDE 20:30

Batch drying time			*TS (%) calculated as:*	*TVS (mg/kg dry wt) calculated as:*
record times as mm/dd/yy hh:mm			*Final dry wt (g) = (Dry Wt - Tare Wt)*	*Final ash wt (g) = (min ash wt - tare wt)*
CDE 9-11-08	time in oven	20:30	*TS = (Final Dry Wt)/ (grams Sample-Tare)*	*TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000*
CDE 9-12-08	time out	17:30		*if ash wt > dry wt, "Chk for Err"*
elapsed hrs =	#VALUE!	#VALUE!		*if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000*

SAMPLE ID	DISH #	SAMPLE (grams)	TARE WT (grams)	DRY WT 104C (grams) 1			dry Wt (g)	TS (%)	ASH WT 550C (grams) 1	2		Ash Wt (g)	TVS (mg/kg)	TVS (%)
NN92 F1		6.2409	1.1055	5.6190			4.51	87.9%						
NN92 G1		6.2477	1.0980	5.7807			4.68	90.9%						
NN92 H1		6.0344	1.0729	5.5637			4.49	90.5%						
Blank		0.0000	1.0895	1.0896			0.00							
NN92 I 1		6.3289	1.0980	5.4868			4.39	83.9%						
NN92 J 1		6.6406	1.1014	6.0723			4.97	89.7%						
NN92 K1		7.0445	1.1324	6.2271			5.09	86.2%						
NN92 L1		6.9428	1.0523	6.4032			5.35	90.8%						
NN92 M1		6.5958	1.1156	6.0814			4.97	90.6%						
NN92 N1		6.0698	1.0989	5.7649			4.67	93.9%						
NN92 O1		6.5248	1.0824	5.7280			4.65	85.4%						
NN92 P1		6.1479	1.0882	5.6152			4.53	89.5%						
NN92 Q1		6.9847	1.0719	5.9779			4.91	83.0%						
NN88 A1		6.0256	1.0689	4.3521			3.28	66.2%	4.2283	4.2245	OK	3.16	38,865	3.89%
NN88 A1 dup		6.4581	1.0919	4.6710			3.58	66.7%	4.5388	4.5360	OK	3.44	37,719	3.77%
							RPD =	0.69%				RPD =	2.99%	
NN88 A1 trp		6.5557	1.0886	4.7234			3.63	66.5%	4.5838	4.5804	OK	3.49	39,342	3.93%
							RSD =	0.35%				RSD =	2.16%	
NN88 B1		6.1436	1.1030	4.2508			3.15	62.4%	4.0118	4.0071	OK	2.90	77,419	7.74%
NN88 C1		6.1587	1.0770	3.6404			2.56	50.4%	3.3314	3.3276	OK	2.25	122,025	12.20%
NN88 D1		6.6351	1.0935	4.9814			3.89	70.2%	4.8543	4.8508	OK	3.76	33,591	3.36%
NN88 E1		6.4186	1.0882	4.6194			3.53	66.2%	4.5094	4.5082	OK	3.42	31,491	3.15%
NN88 F1		6.7861	1.0907	4.9412			3.85	67.6%	4.7902	4.7881	OK	3.70	39,761	3.98%
NN88 G1		6.2212	1.0725	3.0842			2.01	39.1%	2.4443	2.4420	OK	1.37	319,232	31.92%
NN61 A1		6.1743	1.0902	4.0867			3.00	58.9%						
NN61 A1 dup		6.2059	1.0922	4.1072			3.02	59.0%						
							RPD =	0.03%				RPD =	NA	
NN61 A1 trp		6.5199	1.1108	4.6165			3.51	64.8%						

0041

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET

SOLIDS *(dry at 104 (12-24 hr) then combust at 550 (30 min))*

DATE: 9/12/2008

ANALYST: CDE 20:30

Batch drying time			*TS (%) calculated as:*	*TVS (mg/kg dry wt) calculated as:*
record times as mm/dd/yy hh:mm			*Final dry wt (g) = (Dry Wt - Tare Wt)*	*Final ash wt (g) = (min ash wt - tare wt)*
CDE 9-11-08	time in oven	20:30	*TS = (Final Dry Wt)/ (grams Sample-Tare)*	*TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000*
CDE 9-12-08	time out	17:30		*if ash wt > dry wt, "Chk for Err"*
elapsed hrs =	#VALUE!	#VALUE!		*if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000*

SAMPLE ID	DISH #	SAMPLE (grams)	TARE WT (grams)	DRY WT 104C (grams) 1			dry Wt (g)	TS (%)	ASH WT 550C (grams) 1	2		Ash Wt (g)	TVS (mg/kg)	(%)
							RSD =	5.56%				RSD =	NA	
NN61 B1		6.0310	1.0899	5.1829			4.09	82.8%						
Blank		0.0000	1.0849	1.0845			0.00							
NN61 C1		6.5987	1.0979	5.2417			4.14	75.3%						
NO62 A2		6.9042	1.0955	3.7456			2.65	45.6%						
NO62 B2		6.6287	1.1151	3.6427			2.53	45.8%						
NO62 C2		6.2751	1.1016	5.4664			4.36	84.4%						
NO62 D2		6.7437	1.0874	5.9865			4.90	86.6%						

0042

① 6.9653 9-10-08 CDE
② 6.4299 9-10-08 CDE
③ 6.7178 9-10-08 CDE
④ 9-11-08 CDE

12:02

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET

DATE: 9-10-08

SOLIDS *(dry at 104 (12-24 hr) then combust at 550 (30 min))*

ANALYST: CDE

Batch drying time

record times as mm/dd/yy hh:mm

CDE 9-11-08 time in oven 20:30

CDE 9-12-08 time out 17:30

elapsed hrs = 0.0 *< 12 hr*

TS (%) calculated as:
Final dry wt (g) = (Dry Wt - Tare Wt)
TS = (Final Dry Wt)/ (grams Sample-Tare)

TVS (mg/kg dry wt) calculated as:
Final ash wt (g) = (min ash wt - tare wt)
*TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000*
if ash wt > dry wt, "Chk for Err"
*if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000*

SAMPLE ID	DISH #	SAMPLE (grams)	TARE WT (grams)	DRY WT 104C (grams) 1			dry Wt (g)	TS (%)	ASH WT 550C (grams) 1	2	3	Ash Wt (g)	TVS (mg/kg)	(%)
Cal Date -->			9-10-08	9-12-08					9-12-07					
Time & Initials -->			12:45 CDE	17:37 CDE					1980 CDE					
Cal Wt (g) 10.0000			9.9998	9.9996					9.9995					
record weights to 4 places														
Blank	1	Ø	1.0692	1.0683					1.0682	1.0683				
NN95 A'	2	6.4915	1.1028	5.6423										
DP A'	3	7.1063	1.1266	6.0479										
TP A'	4	7.0327	1.1010	6.0843										
B'	5	6.2706	1.0828	5.7148										
C'	6	6.8962	1.1100	6.2057										
D'	7	6.9739	1.1176	6.2713										
E'	8	6.7257	1.1179	6.2533										
F'	9	7.1736	1.1034	6.6818										
G'	10	6.5235	1.1159	6.0969										
H'	11	6.0583	1.0694	5.3641										
I'	12	6.0205	1.0628	5.3083										
J'	13	6.9523	1.0900	6.2115										
NN92 A'	14 ①	~~6.4477~~	1.0479	6.6835										
DP A'	15 ②	~~6.7959~~	1.1120	6.1839										
TP A'	16 ③	~~6.6399~~	1.0901	6.4433										
B'	17	6.2451	1.0895	5.7997										
C'	18	~~6.9088~~ ④	1.0943	6.4713										
D'	19	6.9296	1.0987	6.0277										
E'	20	6.3777	1.0948	5.9831										
F'	21	6.2409	1.1055	5.6190										
G'	22	6.2477	1.0980	5.7807										
H'	23	6.0344	1.0729	5.5637										

0043

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET

DATE: .

SOLIDS *(dry at 104 (12-24 hr) then combust at 550 (30 min))*

ANALYST:

Batch drying time	TS (%) calculated as:	TVS (mg/kg dry wt) calculated as:
record times as mm/dd/yy hh:mm	Final dry wt (g) = (Dry Wt - Tare Wt)	Final ash wt (g) = (min ash wt - tare wt)
time in oven	TS = (Final Dry Wt)/ (grams Sample-Tare)	TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000
time out		if ash wt > dry wt, "Chk for Err"
elapsed hrs = 0.0 < 12 hr		if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000

SAMPLE ID	DISH #	SAMPLE (grams)	TARE WT (grams)	DRY WT 104C (grams) 1			dry Wt (g)	TS (%)	ASH WT 550C (grams) 1	2	3	Ash Wt (g)	TVS (mg/kg)	(%)
Cal Date -->									9-12-08	9-12-08				
Time & Initials -->									19:00 CR	19:55 CR				
Cal Wt (g) 10.0000									9.9995	9.9995				
record weights to 4 places														
Blank	24	Ø	1.0895	1.0896										
NN92 I'	25	6.3299	1.0980	5.4868										
J'	26	6.6406	1.1014	6.0723										
K'	27	7.0445	1.1324	6.2271										
L'	28	6.9428	1.0523	6.4032										
M'	29	6.5958	1.1156	6.0814										
N'	30	6.0698	1.0989	5.7649										
O'	31	6.5248	1.0824	5.7280										
P'	32	6.1479	1.0882	5.6152										
Q'	33	6.9847	1.0719	5.9779										
NN88 A'	34	6.0256	1.0689	4.3521					4.2283	4.2245				
dpA'	35	6.4581	1.0919	4.6710					4.5388	4.5360				
dpA'	36	6.5557	1.0886	4.7234					4.5838	4.5804				
B'	37	6.1436	1.1030	4.2508					4.0118	4.0071				
C'	38	6.1587	1.0770	3.6404					3.3314	3.3276				
D'	39	6.6351	1.0935	4.9814					4.8543	4.8508				
E'	40	6.4186	1.0892	4.6194					4.5094	4.5082				
F'	41	6.7861	1.0907	4.9412					4.7902	4.7891				
G'	42	6.2212	1.0725	3.0842					2.4443	2.4420				
NN61 A'	43	6.1743	1.0902	4.0867										
dpA'	44	6.2059	1.0922	4.1072										
dpA'	45	6.5199	1.1108	4.6165										
B'	46	6.0310	1.0899	5.1829										

0044

① 9-11-08 cdc ② 9-12-08 cdc

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET

DATE: .

SOLIDS *(dry at 104 (12-24 hr) then combust at 550 (30 min))*

ANALYST:

Batch drying time	*TS (%) calculated as:*	*TVS (mg/kg dry wt) calculated as:*
record times as mm/dd/yy hh:mm	*Final dry wt (g) = (Dry Wt - Tare Wt)*	*Final ash wt (g) = (min ash wt - tare wt)*
time in oven	*TS = (Final Dry Wt)/ (grams Sample-Tare)*	*TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000*
time out		*if ash wt > dry wt, "Chk for Err"*
elapsed hrs = 0.0 < 12 hr		*if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000*

SAMPLE ID	DISH #	SAMPLE (grams)	TARE WT (grams)	DRY WT 104C (grams) 1			dry Wt (g)	TS (%)	ASH WT 550C (grams) 1	2	3	Ash Wt (g)	TVS (mg/kg)	(%)
Cal Date -->														
Time & Initials -->														
Cal Wt (g) 10.0000														
record weights to 4 places														
Blank	47	Ø	1.0849	~~6.5987~~	1.0845 ②									
NN61 C1	48	6.5987	1.0979	~~6.5987~~	5.2417									
NO62 A²	49	6.9042	1.0955	3.7456										
B²	50	6.6287	1.1151	3.6427										
C²	51	6.2751	1.1016	5.4664										
D²	52	6.7437	1.0874	5.9865										

0045

W
10-10-08

TOC Solids Prep Log

DATE:	9/10/2008
ANALYST:	CDE 12:35

acid purging to remove IC and drying at 70°C for TOC analysis

General notes regarding prep method and samples (identify the acid used)

make no entry to shaded cells, they are calculated

Sample ID		IC Test	Gravimetric Data (grams)			%	Sample description & notes
ARI #	Client	+ / -	Tare Wt.	Wet wt.	70°C dry wt	Solids	(homogeneity and exclusions)
Blank			12.9684		12.9686	0.2 mg	
NN95 A1		-	12.9074	18.7530	17.7760	83.29%	
NN95 A1 DUP		-	12.8154	18.4866	17.5408	83.32%	
NN95 A1 TRIP		-	12.9442	18.7097	17.9779	87.31%	
NN95 B1		-	12.8886	18.8616	18.3941	92.17%	
NN95 C1		-	12.8772	18.5931	18.0214	90.00%	
NN95 D1		-	12.9128	18.6487	18.0991	90.42%	
NN95 E1		-	12.8803	18.6380	18.2516	93.29%	
NN95 F1		-	12.8454	18.9245	18.5565	93.95%	
NN95 G1		-	12.8323	18.3264	17.9631	93.39%	
NN95 H1		-	12.9100	18.7811	18.1425	89.12%	
NN95 I 1		-	12.9011	18.1486	17.4365	86.43%	
NN95 J 1		-	12.8887	18.6554	18.0482	89.47%	
NN92 A1		-	12.9071	18.3039	18.1711	97.54%	
NN92 A1 DUP		-	12.8691	18.4561	18.2833	96.91%	
NN92 A1 TRIP		-	12.8671	18.8177	18.6833	97.74%	
NN92 B1		-	12.8051	18.2050	17.8975	94.31%	
NN92 C1		-	12.8921	18.3586	18.0908	95.10%	
NN92 D1		-	12.8397	18.0118	17.3587	87.37%	
NN92 E1		-	12.8848	18.0071	17.7410	94.81%	
NN92 F1		-	12.9055	18.7709	18.1792	89.91%	
NN92 G1		-	12.9821	18.1444	17.7864	93.07%	
NN92 H1		-	12.7752	18.3150	17.9041	92.58%	
NN92 I 1		-	12.8420	18.2543	17.4872	85.83%	
NN92 J 1		-	12.8795	18.6359	18.1715	91.93%	
NN92 K1		-	12.8810	18.1530	17.5930	89.38%	
NN92 L1		-	12.8446	18.3987	18.0076	92.96%	
NN92 M1		-	12.8992	18.5642	18.1508	92.70%	
NN92 N1		-	12.8829	18.1977	17.9703	95.72%	
NN92 O1		-	12.9014	18.0070	17.3589	87.31%	
NN92 P1		-	12.9135	18.8817	18.4634	92.99%	
NN92 Q1		-	12.9676	18.5088	17.7265	85.88%	
[redacted] A1		-	12.7778	18.6549	16.8162	[redacted]	
[redacted] DUP		-	12.8335	18.3251	16.5907	[redacted]	
[redacted] TRIP		-	12.8502	18.8703	16.9745	[redacted]	

Sample ID		IC Test	Gravimetric Data (grams)			%	*Sample description & notes*
ARI #	Client	+ / -	Tare Wt.	Wet wt.	70°C dry wt	Solids	*(homogeneity and exclusions)*
[illegible] B1		-	12.7794	18.9205	16.7351	64.41%	
[illegible] C1		+-	12.8527	18.8735	16.2566	56.54%	
[illegible] D1		+++-	12.8727	18.4958	17.2979	78.70%	
NN88 E1		-	12.9201	18.3595	16.4230	[illegible]	
NN88 F1		-	12.8834	18.0714	16.4121	69.02%	
NN88 G1		-	12.8610	18.3053	15.0332	39.90%	
NN61 A1			12.8505	18.8226	16.7967	66.08%	
NN61 A1 DUP			12.8828	18.8879	16.8394	65.89%	
NN61 A1 TRIP			12.9025	18.8054	16.8806	67.39%	
NN61 B1			12.8962	18.3820	17.4866	83.68%	
NN61 C1			12.9400	18.4523	17.1874	77.05%	
Blank			12.9209		12.9210	0.00%	
NO62 A2		-	12.9457	18.4488	15.5626	47.55%	
NO62 B2		-	12.9403	18.8178	15.7727	48.19%	
NO62 C2		-	12.8628	18.7255	17.9934	87.51%	
NO62 D2		+++-	12.9212	18.9140	19.0802	102.77%	

@ 9-10-08 CDE

Analytical Resources, Incorporated
Analytical Chemists and Consultants

TOC Solids Preparation Log

Acid purge to remove IC and drying 70 °C for TOC anal ysis
Add general notes regarding samples and preparation and identify the acid used

Analyst CDE Date 9-10-08 12:35

Sample Idenification		IC	Gravimetric Data			% Solids	Sample description & notes
ARI #	Client ID	Test	Tare	Wet	70°C		
Blank		-	12.9644	18.7550	12.7685	12.9686	
NN95A		-	12.9074	18.4866	18.7530	17.7760	
DP A		-	12.8154	18.7097	18.4866	17.5408	
TP A		-	12.9442	18.8616	18.7097	17.9779	
B		-	12.8886	18.5931	18.8616	18.3941	
C		-	12.8772	18.4	18.5931	18.0214	
D		-	12.9128	18.6487	18.0991	[illegible]	
E		-	12.8803	18.6380	18.2516		
F		-	12.8454	18.9245	18.5565		
G		-	12.8323	18.3264	17.9631		
H		-	12.9100	18.7811	18.1425		
I		-	12.8911	18.1486	17.4365		
J		-	12.8887	18.6554	18.0482		
NN92A		-	12.9071	18.8435	18.3039	18.1711	
DP A		-	12.8691	18.6978	18.4561	18.2833	
TP A		-	12.8671	18.3182	18.8177	18.6833	
B		-	12.8051	18.2050	17.8975		
C		-	12.8921	18.3586	18.0908		
D		-	12.8397	18.0118	17.3587		
E		-	12.8848	18.0071	17.7410		
F		-	12.9055	18.7709	18.1792		
G		-	12.8921	18.4414	17.7864		
H		-	12.7752	18.3150	17.9041		
I		-	12.8420	18.2543	17.4872		
J		-	12.8795	18.6359	18.1715		
K		-	12.8816	18.5530	17.5930		
L		-	12.8446	18.3987	18.0076		
M		-	12.8992	18.5642	18.1508		
N		-	12.8829	18.1977	17.9703		
O		-	12.9014	18.0070	17.3589		

① 9-10-08 CDE

Analytical Resources, Incorporated
Analytical Chemists and Consultants

TOC Solids Preparation Log

Acid purge to remove IC and drying 70 ℃ for TOC analysis
Add general notes regarding samples and preparation and identify the acid used

Analyst CDE Date 9-10-08 12:35

Sample Identification		IC	Gravimetric Data			% Solids	Sample description & notes
ARI #	Client ID	Test	Tare	Wet	70 ℃		
NN92 A1		-	12.9135	18.8817	18.4634		
V Q1		-	12.9676	18.5088	17.7263		
NN88 A1		-	12.7778	18.6549	16.8162		
DPA1		-	12.8335	18.3251	16.5907		
TPA1		-	12.8502	18.8703	16.9745		
B1		-	12.7794	18.9205	16.7351		
C1		+-	12.8527	18.8735	16.2566		
D1		++-	12.8727	18.4958	17.2979		
E1		-	12.9201	18.3595	16.4230		
F1		-	12.8834	18.0714	16.4121		
G1		-	12.8610	18.3053	15.0332		
NN81 A1		-	12.8505	18.8226	16.7967		
NPA1		-	12.8829	18.8879	16.8394		
TPA1		-	12.9085	18.8054	16.8806		
B1		-	12.8962	18.3820	17.4866		
CCC1		-	12.9400	18.4523	17.1874		
BLANK		-	12.9209	~~12.9209~~	12.9210		
NO62 A2		-	12.9457	18.4488	15.5626		
B2		-	12.9403	18.8178	15.7727		
C2		-	12.8628	19.7255	17.9934		
D2		++-	12.9212	18.9140	19.0802		

9-10-08 CDE

10-23-08

TOC, Solids Data Analysis, DC-190

DATE: 10/22/08 10:02
ANALYST: KE

Mode: NPOC *Inlet:* Boat
Spike Std = 2,000 *ppm C*

Calibration Data
Calibration Standard *Source:* ARI # 0086 - 06 *Conc (ppm):* 2,000

Observed Values (µg/g)	mean	Cal Factor

Verification Standard *Source:* ERA 0852 - 08 - 02 *Conc (ppm):* 5,000

Standard Reference Material *Source:* NIST 8704 *Conc (ppm):* 33,510

Blank Data

System Blanks (enter "observed C")

Replicate Determinations						Mean	condition
Replicate	1	2	3	4	5		
ppm	33.35	34.93	59.35	29.25	11.78	33.73	OK !

Historical Blank Limits

mean	stdev
17.8	7.23
LBL	-3.9
UBL	39.5

Silica Blanks (enter "corrected C" at end of run)

Replicate	1	2	3	4	5	Mean	condition
	51.0	40.0	37.0			42.67	OK !

Sample Data *(Entered data must match the Dohrmann output report !)*

"Corrected C" (no dilution) = "Observed C" - Mean Blank

*"Corrected C" (with dilution) = ("Observed C" - (Mean silica Blank * %Silica)) * Dilution Factor*

Sample ID	Dilution Data: Sample wt. (mg)	Final wt. (mg)	Silica (%)	Dilution Factor	Spike (µL Std)	Combustion Data: Burn wt. (mg)	Observed C (ppm C)	Corrected C (ppm C)	
ICV				1.00		10.0	5284	5,250	105.01%
Blank				1.00		10.0	33.35		Blank OK
NIST 8704				1.00		3.4	34410	34,376	102.59%
~~SB 1~~			-	~~1.00~~		~~7.5~~	~~153.4~~	~~120~~	~~Range OK!~~
SB 2				1.00		11.3	84.57	51	Range OK!
SB 3				1.00		12.4	73.87	40	Range OK!
SB 4				1.00		12.7	71.13	37	Range OK!
~~NN88 A1~~			-	~~1.00~~		~~1.9~~	~~5609~~	~~6,575~~	~~Range OK!~~
NN88 A1				1.00		2.0	7254	7,220	Range OK!
NN88 A1 dup				1.00		2.0	7139	7,105	RPD=1.6%
NN88 A1 trp				1.00		2.0	7916	7,882	RSD=5.7%
NN88 A1 ms				1.00	10	2.6	14290	14,256	Range OK!
Spike =	*0.02*	*mg C to*	*2.6*	*mg samp=*	*7,692*	*ppm*		*91%*	
NN88 B1				1.00		2.8	3926	3,892	Range OK!
CCV				1.00		10.0	5062	5,028	100.57%
Blank				1.00		10.0	34.93		Blank OK
NN88 C1				1.00		1.4	30540	30,506	Range OK!
NN88 D1				1.00		1.1	27140	27,106	Range OK!
NN88 E1				1.00		1.5	27060	27,026	Range OK!
NN88 F1				1.00		1.1	21190	21,156	Range OK!
NN88 G1				1.00		1.1	33420	33,386	Range OK!
NT34 D2				1.00		0.9	51270	51,236	Range OK!
NT34 E2				1.00		0.9	16800	16,766	Range OK!
NT34 F2				1.00		1.5	14050	14,016	Range OK!
NT34 G2				1.00		1.4	27590	27,556	Range OK!
NT34 H2				1.00		1.2	28050	28,016	Range OK!
CCV				1.00		10.0	5248	5,214	104.29%
Blank				1.00		10.0	59.35		Blank OK
NT69 A2				1.00		1.9	3000	2,966	Range OK!
NO90 A1	9.6	92.1	89.58%	9.59		2.4	6566	62,626	Range OK!
NO90 A1 dup	9.2	91.3	89.92%	9.92		2.4	7066	69,742	RPD=10.8%
NO90 A1 trp	9.2	91.9	89.99%	9.99		2.3	8028	79,809	RSD=12.2%

Sample Data *(Entered data must match the Dohrmann output report !)*

"Corrected C" (no dilution) = "Observed C" - Mean Blank

*"Corrected C" (with dilution) = ("Observed C" - (Mean silica Blank * %Silica)) * Dilution Factor*

Sample ID	Dilution Data				Spike	Combustion Data			
	Sample wt. (mg)	Final wt. (mg)	Silica (%)	Dilution Factor	(µL Std)	Burn wt. (mg)	Observed C (ppm C)	Corrected C (ppm C)	
NO90 A1 ms	9.6	92.1	89.58%	9.59	10	2.8	12920	123,585	*Range OK!*
Spike =	*0.02*	*mg C to*	*0.3*	*mg samp=*	*66,527*	*ppm*		*89%*	
NO90 B1	10.9	102.8	89.40%	9.43		3.2	4914	45,985	*Range OK!*
NO90 C1	12.4	112.2	88.95%	9.05		2.0	6761	60,833	*Range OK!*
NO90 D1				1.00		0.9	77120	77,086	*Range OK!*
NO90 E1				1.00		1.1	28370	28,336	*Range OK!*
NO90 F1				1.00		1.3	33050	33,016	*Range OK!*
CCV				1.00		10.0	5171	5,137	*102.75%*
Blank				1.00		10.0	29.25		*Blank OK*
~~NN61 A1~~			-	~~1.00~~		~~0.9~~	~~59960~~	~~59,926~~	~~*Range OK!*~~
NN61 A1				1.00		0.9	74790	74,756	*Range OK!*
NN61 A1 dup				1.00		0.9	73560	73,526	*RPD=1.7%*
NN61 A1 trp				1.00		0.9	58710	58,676	*RSD=13%*
~~NN61 A1 ms~~			-	~~1.00~~	~~30~~	~~0.9~~	~~112100~~	~~112,066~~	~~*Range OK!*~~
~~*Spike =*~~	~~*0.06*~~	~~*mg C to*~~	~~*0.9*~~	~~*mg samp=*~~	~~*66,667*~~	~~*ppm*~~		~~*56%*~~	
NN61 A1 ms				1.00	30	0.9	150300	150,266	*Range OK!*
Spike =	*0.06*	*mg C to*	*0.9*	*mg samp=*	*66,667*	*ppm*		*113%*	
NN61 B1				1.00		3.2	8813	8,779	*Range OK!*
NIST 8704				1.00		3.8	28300	28,266	*84.35%*
CCV				1.00		10.0	5133	5,099	*101.99%*
~~Blank~~			-	~~1.00~~		~~10.0~~	~~130.4~~	-	~~*Check Blank*~~
Blank				1.00		10.0	11.78		*Blank OK*

(1) 10-22-08 (W)

Analytical Resources, Incorporated
Analytical Chemists and Consultants

TOC Solids Sample Run Log

Set-Up Parameters MODE: NPOC		INLET: BOAT
Standards:	Source	Conc (ppm)
Calibration:	ARI 0086-06	2000
Verification:	ERA 0852-08102	5000
SRM:	NBS 8704	33510

10:02

Sample Sequence:

Sample ID	Dilution Data (mg)		Burn Wt	Matrix Spike Data		Comments
	Sample	+ Silica Gel	mg	mg/L	µL added	
ICV			10			
ICB			10			
NBS 8704			3.4			
NSB 1			7.5			
2			11.3			
3			12.4			
4			12.7			
ND88 A1			1.9			
A1			2.0			
dA1			2.0			
dupA1			2.0			
MSA1			2.6	2000	10	
B1			2.8			
CCV			10			
CCB			10			
ND88 C1			1.4			
D1			1.1			
E1			1.6			
F1			1.1			
G1			1.1			
NT34 D2			0.9			
E2			0.9			
F2			1.5			
G2			1.4			
H2			1.2			
CCV			10			
CCB			10			
NT69 A2			1.9			
ND90 A1	9.6	92.1	2.4			
dupA1	9.2	91.3	2.4			
dupA1	9.2	91.9	2.3			
MSA1	9.6	92.4	2.8	2000	10	

①10-22-08④

TOC Solids Sample Run Log

Set-Up Parameters MODE: NPOC		INLET: BOAT
Standards:	Source	Conc (ppm)
Calibration:	ART 0086-06	2000
Verification:	ERA 0852-08-02	5000
SRM:	NBS 8704	33510

10:02

Sample Sequence:

Sample ID	Dilution Data (mg)		Burn Wt	Matrix Spike Data		Comments
	Sample	+ Silica Gel	mg	mg/L	µL added	
NQ90 B1	10.9	102.8	3.2			
C1	12.4	112.2	2.0			
D1			0.9			
E1			1.1			
F1			1.3			
CCV			10			
CCB			10			
NN61 A1			0.9			
A1			0.9			
mpA1			0.9			
vpA1			0.9			
MSA1			0.9	2000	30	
msA1			0.9	2000	30	
B1			3.2			
C1			3.2			
NBS 8704			3.8			
CCV			10			
CCB			10			

10-22-08 ④

10-22-08(W)

Operating Parameters

Analysis set-up 1
NPOC Analysis
Boat mode
Sample size 10.
Calibration factor 1.266259
System blank 0.
Std. concentration =2000.
Sample mass (mg) = 10.
1. NPOC = 5284. ug/g
11:19:01 Wed Oct 22, 2008
Sample mass (mg) = 10.
1. NPOC = 33.35 ug/g
11:25:16 Wed Oct 22, 2008
Sample mass (mg) = 3.4
1. NPOC = 34410. ug/g
12:00:40 Wed Oct 22, 2008
Sample mass (mg) = 7.5
1. NPOC = 153.4 ug/g
12:05:55 Wed Oct 22, 2008
Sample mass (mg) = 11.3
1. NPOC = 84.57 ug/g
12:13:47 Wed Oct 22, 2008
Sample mass (mg) = 12.4
1. NPOC = 73.87 ug/g
12:24:48 Wed Oct 22, 2008
Sample mass (mg) = 12.7
1. NPOC = 71.13 ug/g
12:45:30 Wed Oct 22, 2008
Sample mass (mg) = 1.9
1. NPOC = 5609. ug/g
12:51:14 Wed Oct 22, 2008
Sample mass (mg) = 2.
1. NPOC = 7254. ug/g
12:55:44 Wed Oct 22, 2008
Sample mass (mg) = 2.
1. NPOC = 7139. ug/g
13:05:23 Wed Oct 22, 2008
Sample mass (mg) = 2.
1. NPOC = 7916. ug/g
13:19:26 Wed Oct 22, 2008
Sample mass (mg) = 2.6
1. NPOC = 14290. ug/g
13:27:47 Wed Oct 22, 2008
Sample mass (mg) = 2.8
1. NPOC = 3926. ug/g
13:34:21 Wed Oct 22, 2008
Sample mass (mg) = 10.
1. NPOC = 5062. ug/g
13:43:39 Wed Oct 22, 2008
Sample mass (mg) = 10.
1. NPOC = 34.93 ug/g
13:47:48 Wed Oct 22, 2008
Sample mass (mg) = 1.4
1. NPOC = 30540. ug/g
13:52:50 Wed Oct 22, 2008
Sample mass (mg) = 1.1

14:01:09 Wed Oct 22, 2008
Sample mass (mg) = 1.5
1. NPOC = 27060. ug/g
14:05:44 Wed Oct 22, 2008
Sample mass (mg) = 1.1
1. NPOC = 21190. ug/g
14:12:29 Wed Oct 22, 2008
Sample mass (mg) = 1.1
1. NPOC = 33420. ug/g
14:17:39 Wed Oct 22, 2008
Sample mass (mg) = 0.9
1. NPOC = 51270. ug/g
14:55:43 Wed Oct 22, 2008
Sample mass (mg) = 0.9
1. NPOC = 16800. ug/g
14:59:42 Wed Oct 22, 2008
Sample mass (mg) = 1.5
1. NPOC = 14050. ug/g
15:06:01 Wed Oct 22, 2008
Sample mass (mg) = 1.4
1. NPOC = 27590. ug/g
15:09:53 Wed Oct 22, 2008
Sample mass (mg) = 1.2
1. NPOC = 28050. ug/g
15:13:58 Wed Oct 22, 2008
Sample mass (mg) = 10.
1. NPOC = 5248. ug/g
15:20:55 Wed Oct 22, 2008
Sample mass (mg) = 10.
1. NPOC = 59.35 ug/g
15:25:37 Wed Oct 22, 2008
Sample mass (mg) = 1.9
1. NPOC = 3000. ug/g
15:45:08 Wed Oct 22, 2008
Sample mass (mg) = 2.4
1. NPOC = 6566. ug/g
15:50:28 Wed Oct 22, 2008
Sample mass (mg) = 2.4
1. NPOC = 7066. ug/g
15:54:51 Wed Oct 22, 2008
Sample mass (mg) = 2.3
1. NPOC = 8028. ug/g
15:58:32 Wed Oct 22, 2008
Sample mass (mg) = 2.8
1. NPOC = 12920. ug/g
16:09:51 Wed Oct 22, 2008
Sample mass (mg) = 3.2
1. NPOC = 4914. ug/g
16:13:42 Wed Oct 22, 2008
Sample mass (mg) = 2.
1. NPOC = 6761. ug/g
16:52:33 Wed Oct 22, 2008
Sample mass (mg) = 0.9
1. NPOC = 77120. ug/g
16:57:30 Wed Oct 22, 2008
Sample mass (mg) = 1.1
1. NPOC = 28370. ug/g
17:03:48 Wed Oct 22, 2008
Sample mass (mg) = 1.3
1. NPOC = 33050. ug/g
17:20:37 Wed Oct 22, 2008
Sample mass (mg) = 10.
1. NPOC = 5171. ug/g
17:29:33 Wed Oct 22, 2008
Sample mass (mg) = 10

17:36:53 Wed Oct 22, 2008
Sample mass (mg) = 0.9
1. NPOC = 59960. ug/g
17:41:20 Wed Oct 22, 2008
Sample mass (mg) = 0.9
1. NPOC = 74790. ug/g
17:47:05 Wed Oct 22, 2008
Sample mass (mg) = 0.9
1. NPOC = 73560. ug/g
17:51:43 Wed Oct 22, 2008
Sample mass (mg) = 0.9
1. NPOC = 58710. ug/g
17:57:25 Wed Oct 22, 2008
Sample mass (mg) = 0.9
1. NPOC = 112100. ug/g
18:27:53 Wed Oct 22, 2008
Sample mass (mg) = 0.9
1. NPOC = 150300. ug/g
18:51:02 Wed Oct 22, 2008
Sample mass (mg) = 3.2
1. NPOC = 8813. ug/g
19:03:21 Wed Oct 22, 2008
Sample mass (mg) = 3.8
1. NPOC = 28300. ug/g
19:09:33 Wed Oct 22, 2008
Sample mass (mg) = 10.
1. NPOC = 5133. ug/g
19:15:22 Wed Oct 22, 2008
Sample mass (mg) = 10.
1. NPOC = 130.4 ug/g
19:18:33 Wed Oct 22, 2008
Sample mass (mg) = 10.
1. NPOC = 11.78 ug/g
19:21:55 Wed Oct 22, 2008

Geotech Analysis

prepared
for

ANCHOR ENVIRONMENTAL, LLC

Project: KIMBERLY CLARK, 000105-01

ARI JOB NO: NN88

prepared
by

Analytical Resources, Inc.

Anchor Environmental, LLC
Kimberly Clark 000105-01

Apparent Grain Size Distribution Summary
Percent Finer Than Indicated Size

Sample No.	Gravel			Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt				Clay	
Phi Size	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Sieve Size (microns)	3/8"	#4	#10 (2000)	#18 (1000)	#35 (500)	#60 (250)	#120 (125)	#230 (62)	31.00	15.60	7.80	3.90	2.00	1.00
AN-SB-01-080908	100.0	96.6	95.6	94.7	93.4	91.1	86.3	40.6	14.2	9.0	6.7	5.4	4.4	3.4
AN-SB-01-080908	100.0	98.0	96.7	96.0	94.7	92.4	87.6	41.2	15.2	9.7	7.3	5.7	4.8	3.7
AN-SB-01-080908	100.0	97.8	96.6	95.6	94.2	91.9	87.5	41.8	15.7	9.7	7.2	5.7	4.8	3.6
AN-SB-02-080908	100.0	97.3	94.1	91.3	89.2	86.6	73.7	35.3	19.0	11.6	8.6	6.6	5.2	3.7
AN-SB-03-080908	100.0	99.1	93.2	88.1	84.5	79.4	47.4	36.4	32.7	25.8	18.9	13.5	10.2	7.0
AN-SB-04-080908	100.0	94.0	85.8	79.0	74.9	63.5	21.7	14.9	10.8	7.4	5.4	4.1	3.1	2.2
AN-SB-05-080908	100.0	98.8	95.1	93.5	91.4	65.2	12.9	6.7	5.7	4.5	3.8	3.0	2.4	1.9
AN-SB-06-080908	100.0	99.0	96.6	95.0	92.6	66.9	19.4	13.6	9.8	7.2	5.2	3.8	2.9	2.2
AN-SB-07-080908	100.0	96.8	93.3	88.5	77.5	67.3	62.4	43.7	27.0	18.6	13.7	10.4	8.2	5.9

Notes to the Testing:

1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

NN88

Anchor Environmental, LLC
Kimberly Clark 000105-01

Apparent Grain Size Distribution Summary
Percent Retained in Each Size Fraction

Sample No.	Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Coarse Silt	Medium Silt	Fine Silt	Very Fine Silt	Clay			Total Fines
Phi Size	> -1	-1 to 0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	< 10	<4
Sieve Size (microns)	> #10 (2000)	10 to 18 (2000-1000)	18-35 (1000-500)	35-60 (500-250)	60-120 (250-125)	120-230 (125-62)	62.5-31.0	31.0-15.6	15.6-7.8	7.8-3.9	3.9-2.0	2.0-1.0	<1.0	<230 (<62)
AN-SB-01-080908	4.4	0.9	1.4	2.3	4.8	45.7	26.4	5.2	2.2	1.4	1.0	1.0	3.4	40.6
AN-SB-01-080908	3.3	0.7	1.3	2.4	4.7	46.4	26.0	5.5	2.3	1.6	1.0	1.1	3.7	41.2
AN-SB-01-080908	3.4	0.9	1.4	2.3	4.5	45.7	26.1	6.0	2.5	1.5	0.9	1.1	3.6	41.8
AN-SB-02-080908	5.9	2.8	2.2	2.6	12.9	38.4	16.3	7.4	3.0	2.0	1.4	1.5	3.7	35.3
AN-SB-03-080908	6.8	5.0	3.7	5.1	31.9	11.1	3.7	6.8	6.9	5.4	3.2	3.2	7.0	36.4
AN-SB-04-080908	14.2	6.8	4.1	11.4	41.8	6.8	4.1	3.4	1.9	1.3	1.0	0.9	2.2	14.9
AN-SB-05-080908	4.9	1.6	2.1	26.1	52.3	6.2	1.0	1.1	0.8	0.8	0.6	0.5	1.9	6.7
AN-SB-06-080908	3.4	1.6	2.4	25.7	47.5	5.8	3.8	2.6	1.9	1.4	0.9	0.8	2.2	13.6
AN-SB-07-080908	6.7	4.8	11.0	10.2	4.9	18.7	16.7	8.4	4.9	3.3	2.1	2.3	5.9	43.7

Notes to the Testing:
1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

NN88

QA SUMMARY

PROJECT:	Anchor Environmental, LLC	Project No.:	Kimberly Clark 000105-01
ARI Triplicate Sample ID:	NN88 A	Batch No.:	NN88 -1
Client Triplicate Sample ID:	AN-SB-01-080908	Page:	1 of 1

Relative Standard Deviation, By Phi Size

Sample ID	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
AN-SB-01-080908	100.0	96.6	95.6	94.7	93.4	91.1	86.3	40.6	14.2	9.0	6.7	5.4	4.4	3.4
AN-SB-01-080908	100.0	98.0	96.7	96.0	94.7	92.4	87.6	41.2	15.2	9.7	7.3	5.7	4.8	3.7
AN-SB-01-080908	100.0	97.8	96.6	95.6	94.2	91.9	87.5	41.8	15.7	9.7	7.2	5.7	4.8	3.6
AVE	NA	97.44	96.30	95.47	94.11	91.79	87.13	41.20	15.03	9.44	7.08	5.60	4.66	3.59
STDEV	NA	0.76	0.61	0.66	0.69	0.66	0.74	0.61	0.80	0.42	0.31	0.20	0.23	0.16
%RSD	NA	0.78	0.63	0.69	0.73	0.71	0.85	1.48	5.30	4.48	4.39	3.60	4.94	4.41

The Triplicate Applies To The Following Samples

Client ID	Date Sampled	Date Extracted	Date Complete	QA Ratio (95-105)	Data Qualifiers	Pipette Portion (5.0-25.0g)
AN-SB-01-080908	9/8/2008	10/23/2008	10/31/2008	100.4		15.2
AN-SB-01-080908	9/8/2008	10/23/2008	10/31/2008	101.0		15.4
AN-SB-01-080908	9/8/2008	10/23/2008	10/31/2008	99.5		15.6
AN-SB-02-080908	9/8/2008	10/23/2008	10/31/2008	102.1		12.8
AN-SB-03-080908	9/8/2008	10/23/2008	10/31/2008	99.4		10.1
AN-SB-04-080908	9/8/2008	10/23/2008	10/31/2008	99.7		6.1
AN-SB-05-080908	9/8/2008	10/23/2008	10/31/2008	98.8	SS	3.9
AN-SB-06-080908	9/8/2008	10/23/2008	10/31/2008	101.2		5.0
AN-SB-07-080908	9/8/2008	10/23/2008	10/31/2008	99.2		13.2

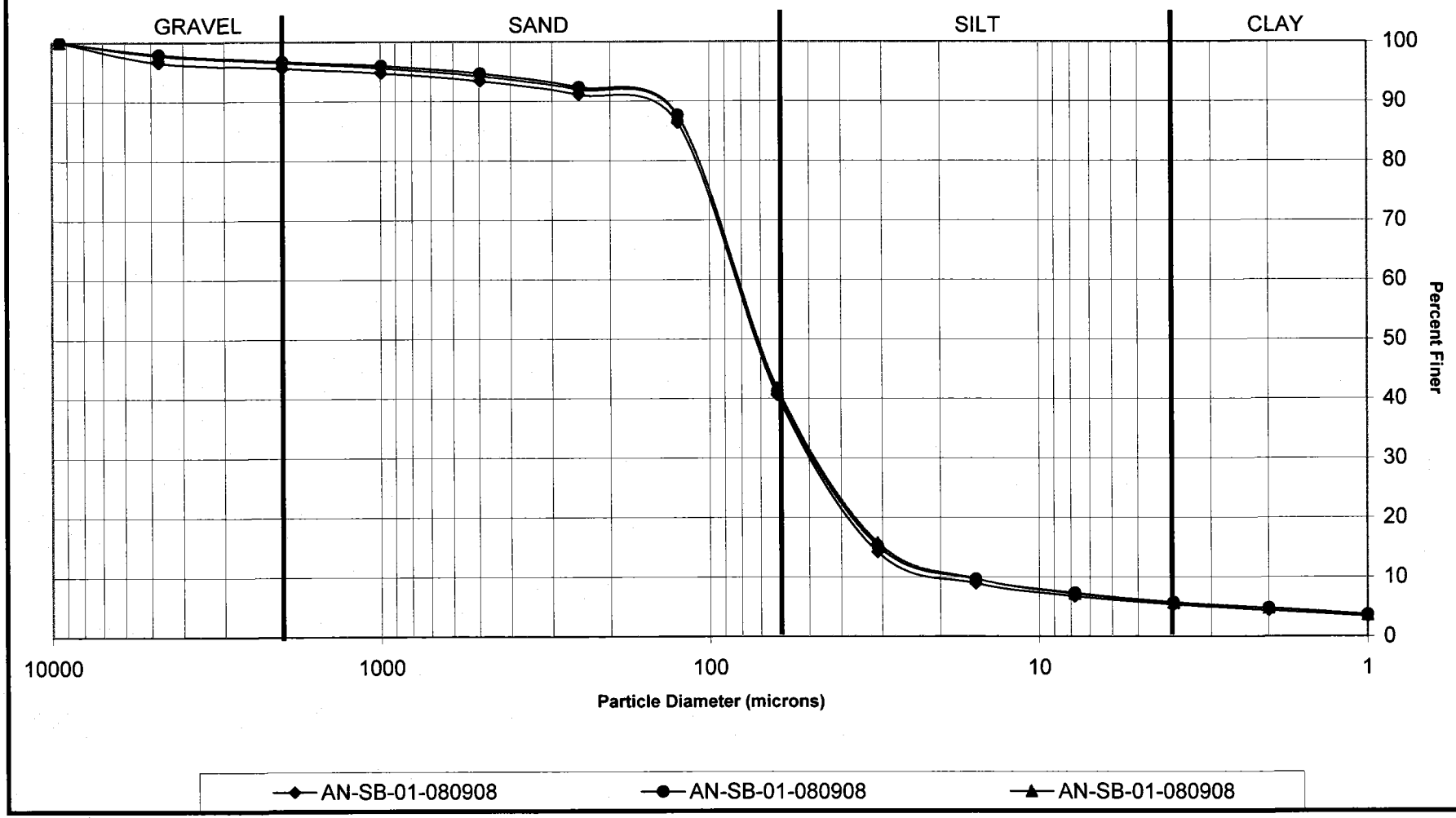
* ARI Internal QA limits = 95-105%

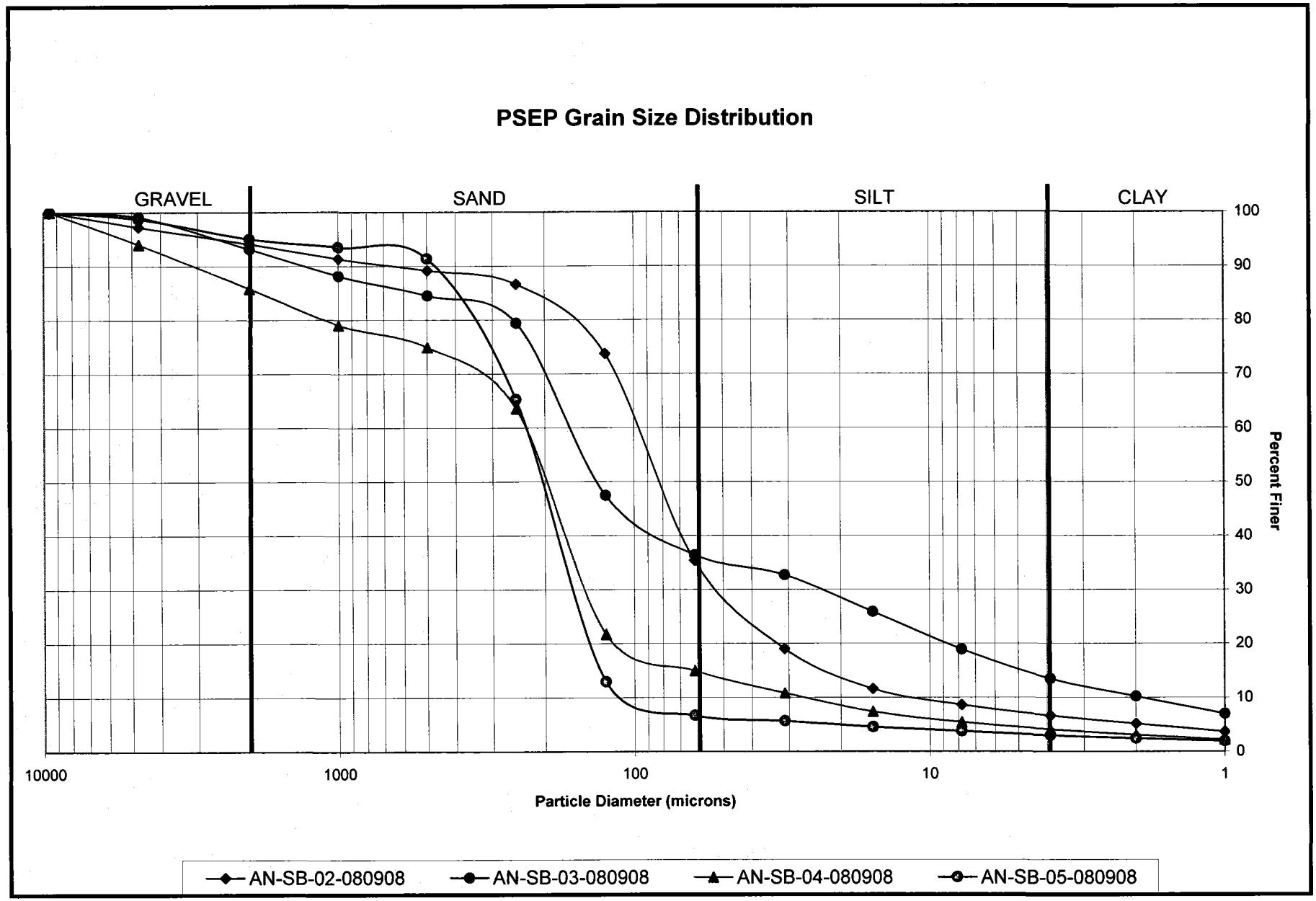
Notes to the Testing:

1. Organic matter was not removed prior to testing, thus the reported values are the "apparent" grain size distribution. See narrative for discussion of the testing.

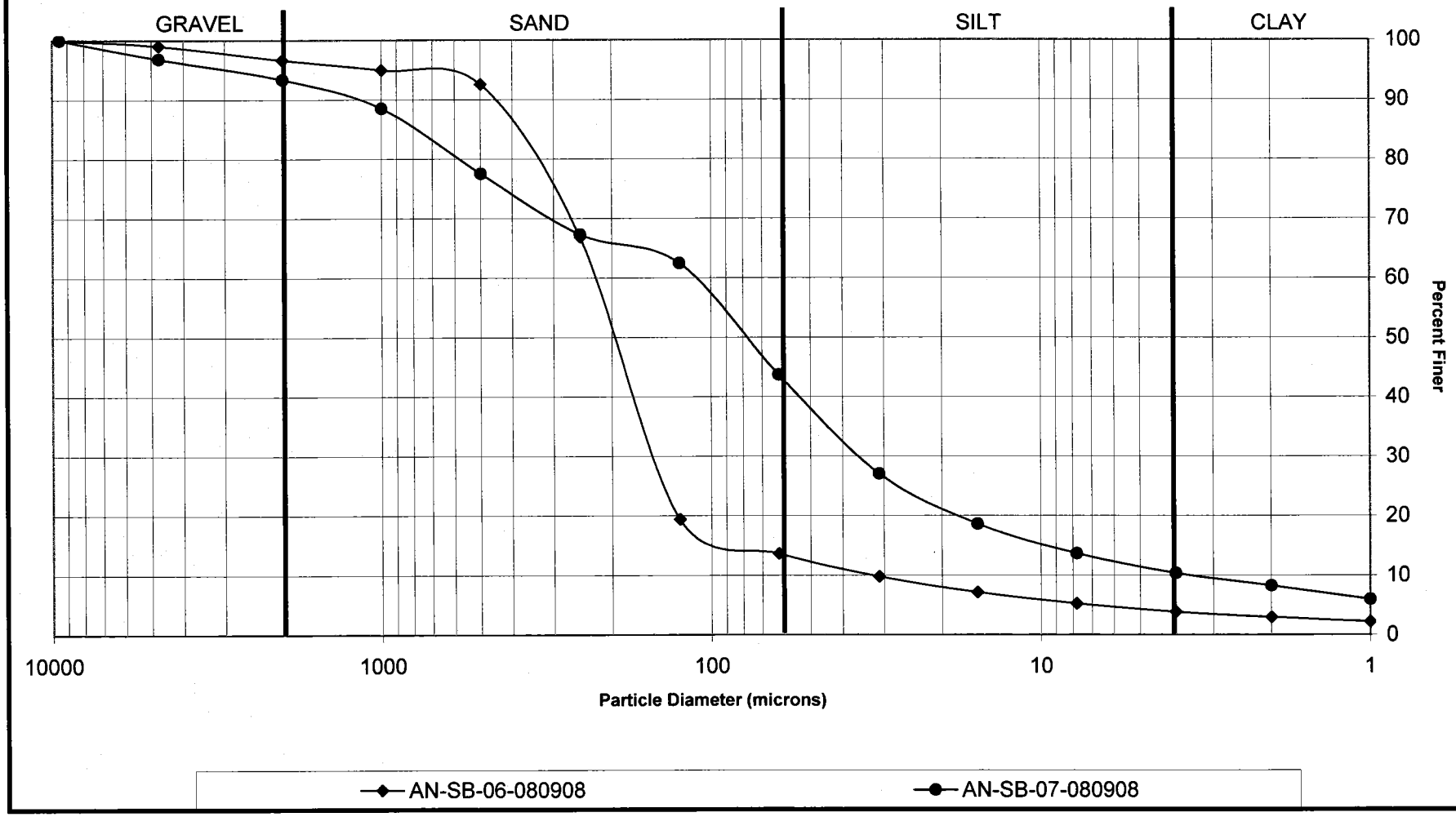
PSEP Grain Size Distribution

Triplicate Sample Plot




PSEP Grain Size Distribution
GRAVEL
SAND
SILT
CLAY
100
90
80
70
60
50
40
30
20
10
0
Percent Finer
10000
1000
100
10
1
Particle Diameter (microns)
AN-SB-02-080908
AN-SB-03-080908
AN-SB-04-080908
AN-SB-05-080908

PSEP Grain Size Distribution



PSEP GRAIN SIZE ANALYSIS

Job No. MW88 ARI Sample No. A-1 Client Sample No. MW-SB-01-080908

Set-up Date: 10-23-08 Sample Description: Sandy Silt, Shells, Organic Debris

Calgon Batch # 188 Sieve Set # 1 Date Sieved: 10/29/08

SOLIDS CONTENT

Moisture Content	Initials
Container No.	140
Tare Weight	1.5296
Wet Weight + Tare	28.7222
Dry Weight + Tare	20.1440

Test Sample	Initials
Container No.	140
Tare Weight	51.2835
Wet Weight + Tare	106.14169
Dry Weight + Tare	83.~~4963~~ 5032 AR

SIEVE ANALYSIS
Initials AR

Sieve Size	Weight Retained
Tare	51.2881
4	52.5743
10	52.9380
18	53.2623
35	53.7777
60	54.6398
120	56.4406
230	73.5933
PAN	9.9409

10/30/2008

Temp:23

t Correction	
e Wt.	
e + Dry Sample	
Correction (x 50)	

PIPETTE ANALYSIS
Initials FI

Tare ID	Tare Wt	Dry Wt & Tare	TIME
88A-1-1	1.5174	1.8305	9:45:00
1-2	1.5171	1.6347	9:45:20
1-3	1.5188	1.5974	9:46:46
1-4	1.5101	1.5721	9:52:05
1-5	1.5202	1.5720	10:13:18
1-6	1.5271	1.5716	11:38:00
1-7	1.5217	1.5589	15:11:00
			8:21:00

PSEP GRAIN SIZE ANALYSIS

Job No. NN88 ARI Sample No. A-2 Client Sample No. AN-SB-01-080908

Set-up Date: 10-23-08 Sample Description:

Calgon Batch # 188 Sieve Set # 2 Date Sieved: 10/29/08

SOLIDS CONTENT

Moisture Content	Initials CBL
Container No.	106
Tare Weight	1.4787
Wet Weight + Tare	28.5021
Dry Weight + Tare	19.8908

Test Sample	Initials CBL
Container No.	106
Tare Weight	50.3546
Wet Weight + Tare	105.0824 675 CBL
Dry Weight + Tare	81.0683

SIEVE ANALYSIS
Initials AR

Sieve Size	Weight Retained
Tare	50.3511
4	51.1090
10	51.5702
18	51.8288
35	52.3183
60	53.2019
120	54.9666
230	72.2636
PAN	8.9084

10/30/2008

Temp:23

PIPETTE ANALYSIS
Initials FI

Tare ID	Tare Wt	Dry Wt & Tare	TIME
88A-2-1	1.5418	1.8531	9:48:00
-2-2	1.5393	1.6653	9:48:20
-2-3	1.5492	1.6321	9:49:46
-2-4	1.5475	1.6132	9:55:05
-2-5	1.5452	1.5993	10:16:18
-2-6	1.5527	1.5997	11:41:00
-2-7	1.5229	1.5620	15:14:00
			8:24:00

Correction	
Wt.	
+ Dry Sample	
Correction (x 50)	

PSEP GRAIN SIZE ANALYSIS

Job No. DN488 ARI Sample No. A-3 Client Sample No. AN-SB-01-080908

Set-up Date: 10-23-08 Sample Description: _____

Calgon Batch # 188 Sieve Set # 1 Date Sieved: 10/29/08

SOLIDS CONTENT

Moisture Content	Initials BR
Container No.	119
Tare Weight	1.5305
Wet Weight + Tare	28.5197
Dry Weight + Tare	19.8384

Test Sample	Initials BR
Container No.	119
Tare Weight	49.9944
Wet Weight + Tare	105.1563
Dry Weight + Tare	80.4185

SIEVE ANALYSIS
Initials AR

Sieve Size	Weight Retained
Tare	49.9957
4	50.8233
10	51.2839
18	51.6310
35	52.1498
60	53.0080
120	54.6787
230	71.7746
PAN	8.6754

10/30/2008
Temp:23

Correction	
Wt.	
+ Dry Sample	
Correction (x 50)	

PIPETTE ANALYSIS
Initials FI

Tare ID	Tare Wt	Dry Wt & Tare	TIME
A-3-1	1.5409	1.8688	9:51:00
3-2	1.5510	1.6810	9:51:20
3-3	1.5520	1.6367	9:52:46
3-4	1.5528	1.6186	9:58:05
3-5	1.5446	1.5989	10:19:18
3-6	1.5400	1.5877	11:44:00
3-7	1.5439	1.5830	15:17:00
			8:27:00

PSEP GRAIN SIZE ANALYSIS

Job No. NN88 ARI Sample No. B Client Sample No. AN-SB-02-080905

Set-up Date: 10-23-08 Sample Description: Sandy Silt, Shells, Organic Debris

Calgon Batch # 188 Sieve Set # 2 Date Sieved: 10/29/08

SOLIDS CONTENT

Moisture Content	Initials BR
Container No.	132
Tare Weight	1.4716
Wet Weight + Tare	27.7213
Dry Weight + Tare	18.6256

Test Sample	Initials BR
Container No.	132
Tare Weight	49.4406
Wet Weight + Tare	104.8832
Dry Weight + Tare	78.2152

SIEVE ANALYSIS
Initials AR

Sieve Size	Weight Retained
Tare	49.4563
4	50.4502
10	51.5902
18	52.5981
35	53.3850
60	54.3256
120	58.9857
230	72.8880
PAN	5.3633

10/30/2008

Temp:23

Correction	
Wt.	
+ Dry Sample	
Correction (x 50)	

PIPETTE ANALYSIS
Initials FI

Tare ID	Tare Wt	Dry Wt & Tare	TIME
B-1	1.5130	1.7660	9:54:00
B-2	1.5114	1.6581	9:54:20
B-3	1.5150	1.6090	9:55:46
B-4	1.5043	1.5773	10:01:05
B-5	1.5195	1.5783	10:22:18
B-6	1.5114	1.5600	11:47:00
B-7	1.5116	1.5494	15:20:00
			8:30:00

PSEP GRAIN SIZE ANALYSIS

Job No. NW88 ARI Sample No. C-1 Client Sample No. AN-SB-03080908

Set-up Date: 10-23-08 Sample Description: Sandy Silt, Shells, Organic Fines

Calgon Batch # 188 Sieve Set # 1 Date Sieved: 10/29/08

SOLIDS CONTENT

Moisture Content	Initials BBL
Container No.	101
Tare Weight	1.5035
Wet Weight + Tare	25.7543
Dry Weight + Tare	13.8632

Test Sample	Initials BBL
Container No.	101
Tare Weight	50.3457
Wet Weight + Tare	105.0179
Dry Weight + Tare	68.9307

SIEVE ANALYSIS

Initials AR

Sieve Size	Weight Retained
Tare	50.3631
4	50.6099
10	52.2695
18	53.6724
35	54.6905
60	56.1133
120	65.0082
230	68.0940
PAN	0.9037

10/30/2008

Temp:23

Correction	
Wt.	
+ Dry Sample	
Correction (x 50)	

PIPETTE ANALYSIS

Initials FI

Tare ID	Tare Wt	Dry Wt & Tare	TIME
C-1	1.5094	1.7269	9:57:00
C-2	1.5081	1.7028	9:57:20
C-3	1.5144	1.6709	9:58:46
C-4	1.5142	1.6318	10:04:05
C-5	1.5168	1.6040	10:25:18
C-6	1.5118	1.5808	11:50:00
C-7	1.5130	1.5645	15:23:00
			8:33:00

PSEP GRAIN SIZE ANALYSIS

Job No. NN88 ARI Sample No. D Client Sample No. NW-SB-04-080908

Set-up Date: 10-23-08 Sample Description: Sandy Silt, Shells

Calgon Batch # 188 Sieve Set # 2 Date Sieved: 10/29/08

SOLIDS CONTENT

Moisture Content	Initials AR
Container No.	149
Tare Weight	1.5123
Wet Weight + Tare	28.3892
Dry Weight + Tare	19.1323

Test Sample	Initials AR
Container No.	149
Tare Weight	49.8755
Wet Weight + Tare	107.2660
Dry Weight + Tare	85.8679

SIEVE ANALYSIS
Initials AR

Sieve Size	Weight Retained
Tare	49.8850
4	52.3133
10	55.6556
18	58.4150
35	60.0909
60	64.7440
120	81.7487
230	84.4991
PAN	1.3579

10/30/2008

Temp:23

Correction	
Wt.	
+ Dry Sample	
Correction (x 50)	

PIPETTE ANALYSIS
Initials FI

Tare ID	Tare Wt	Dry Wt & Tare	TIME
D-1	1.5279	1.6637	10:00:00
D-2	1.5309	1.6308	10:00:20
D-3	1.5166	1.5885	10:01:46
D-4	1.5185	1.5746	10:07:05
D-5	1.5395	1.5847	10:28:18
D-6	1.5149	1.5520	11:53:00
D-7	1.5105	1.5400	15:26:00
			8:36:00

PSEP GRAIN SIZE ANALYSIS

Job No. NW88 ARI Sample No. Σ Client Sample No. NW-SB-05-080908

Set-up Date: 10-23-08 Sample Description: Sand, Organic Debris

Calgon Batch # 188 Sieve Set # 1 Date Sieved: 10/29/08

SOLIDS CONTENT

Moisture Content	Initials BR
Container No.	156
Tare Weight	1.5209
Wet Weight + Tare	34.6894
Dry Weight + Tare	22.8857

Test Sample	Initials BR
Container No.	156
Tare Weight	50.5509
Wet Weight + Tare	140.8704
Dry Weight + Tare	106.1119

SIEVE ANALYSIS
Initials AK

Sieve Size	Weight Retained
Tare	50.5747
4	51.2951
10	53.4787
18	54.4264
35	55.6622
60	71.0326
120	101.8413
230	105.5006
PAN	0.6085

10/30/2008

Temp:23

Correction	
Wt.	
+ Dry Sample	
Correction (x 50)	

PIPETTE ANALYSIS
Initials

Tare ID	Tare Wt	Dry Wt & Tare	TIME
			10:03:00
Σ-1	1.5162	1.6067	10:03:20
Σ-2	1.5149	1.5933	10:04:46
Σ-3	1.5185	1.5836	10:10:05
Σ-4	1.5221	1.5782	10:31:18
Σ-5	1.5202	1.5673	11:56:00
Σ-6	1.5340	1.5744	15:29:00
Σ-7	1.5215	1.5559	8:39:00

PSEP GRAIN SIZE ANALYSIS

Job No. NN88 ARI Sample No. F Client Sample No. AN-SB-06-080908

Set-up Date: 10-23-08 Sample Description: Sandy Silt, Organic Debris, Shells

Calgon Batch # 188 Sieve Set # 2 Date Sieved: 10/29/08

SOLIDS CONTENT

Moisture Content	Initials BL
Container No.	160
Tare Weight	1.4912
Wet Weight + Tare	39.1146
Dry Weight + Tare	26.5057

Test Sample	Initials BL
Container No.	160
Tare Weight	50.6705
Wet Weight + Tare	106.0235
Dry Weight + Tare	83.3208

SIEVE ANALYSIS
Initials AR

Sieve Size	Weight Retained
Tare	50.6859
4	51.0452
10	51.9393
18	52.5438
35	53.4255
60	62.8811
120	80.3457
230	82.4725
PAN	0.8452

10/30/2008

Temp:23

Correction	
Wt.	
+ Dry Sample	
Correction (x 50)	

PIPETTE ANALYSIS
Initials EF

Tare ID	Tare Wt	Dry Wt & Tare	TIME
F-1	1.5265	1.6297	10:06:00
F-2	1.5087	1.5916	10:06:20
F-3	1.5066	1.5703	10:07:46
F-4	1.5098	1.5596	10:13:05
F-5	1.5051	1.5447	10:34:18
F-6	1.5095	1.5426	11:59:00
F-7	1.5046	1.5322	15:32:00
			8:42:00

PSEP GRAIN SIZE ANALYSIS

Job No. NN84 ARI Sample No. G Client Sample No. NSB-07-080908

Set-up Date: 10-23-08 Sample Description: Sandy Silt, lots of Organics

Calgon Batch # 188 Sieve Set # 1 Date Sieved: 10/29/08

SOLIDS CONTENT

Moisture Content	Initials GBL
Container No.	176
Tare Weight	1.4720
Wet Weight + Tare	27.5739
Dry Weight + Tare	11.8556

Test Sample	Initials GBL
Container No.	176
Tare Weight	50.3678
Wet Weight + Tare	126.4170
Dry Weight + Tare	71.5451

SIEVE ANALYSIS
Initials AR

Sieve Size	Weight Retained
Tare	50.3867
4	51.3508
10	52.4009
18	53.8620
35	57.1975
60	60.2870
120	61.7658
230	67.4271
PAN	4.3044

10/30/2008

Temp:23

Correction	
Wt.	
+ Dry Sample	
Correction (x 50)	

PIPETTE ANALYSIS
Initials FT

Tare ID	Tare Wt	Dry Wt & Tare	TIME
G-1	1.5069	1.7878	10:09:00
G-2	1.5093	1.6858	10:09:20
G-3	1.5077	1.6327	10:10:46
G-4	1.5038	1.5989	10:16:05
G-5	1.5072	1.5821	10:37:18
G-6	1.5059	1.5679	12:02:00
G-7	1.5183	1.5662	15:35:00
			8:45:00

Analytical Resources, Inc.

Pore Water Extraction

ARI Job No.: NN88 Date: 9/11/08 - 9/12/08 Tested By: EB/gs Analytes: NH_3, S_2

Aerobic ( )
Anaeorobic (X)

Volume Required: _____

Filtered ( )
Filter Material: _____
Filter Size: _____

Centrifugation 1:	Speed:	3000rpm	Temp:	4°C	Duration:	30min	O2 Level:	<1%
Centrifugation 2:	Speed:	7000Rpm	Temp:	4°C	Duration:	30min	O2 Level:	<1%

Centrifugation 1

ARI ID	Start Time	Estimated Recovery	Decant Time
C	16:20	40mls	17:00
E	16:20	30mls	17:00
F	16:20	35mls	17:00
G	16:20	40mls	17:00

Centrifugation 2

ARI ID	Start Time	Estimated Recovery	Decant Time
C	7:35	40mls	8:10
E	7:35	30mls	8:11
G	7:35	40mls	8:12
F	8:15	35mls	8:55

Notes:

Analytical Resources, Inc.

Pore Water Extraction

ARI Job No.: NN88 Date: 9/11/08 Tested By: gs/EG Analytes: ~~H_2~~, NH_3, S_2

Aerobic ( )
Anaerobic ~~(X)~~

Volume Required: _____

Filtered ( )
Filter Material: _____
Filter Size: _____

Centrifugation 1:	Speed:	3000 RPM	Temp:	4°C	Duration:	30min	O2 Level:	<1%
Centrifugation 2:	Speed:	7000RPM	Temp:	4°C	Duration:	30min	O2 Level:	<1%

Centrifugation 1

ARI ID	Start Time	Estimated Recovery (ml)	Decant Time
A	15:35	40	16:10
B	15:35	40	16:10
D	15:35	35	16:10

Centrifugation 2

ARI ID	Start Time	Estimated Recovery (ml)	Decant Time
A	16:35	40	18:15
B	16:35	40	18:16
D	16:35	35	18:17

Notes:

Analytical Resources, Incorporated
Analytical Chemists and Consultants

October 2, 2008

Joy Dunay
Anchor Environmental, LLC
1423 3rd Avenue, Suite 300
Seattle, WA 98101

RE: Client Project: 000105-01, Kimberly Clark
ARI Job No.: NO68

Dear Joy:

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

Sample receipt and details of these analyses are discussed in the Case Narrative.

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

Sincerely,

ANALYTICAL RESOURCES, INC.

Susan Dunnihoo
Director, Client Services
sue@arilabs.com
206-695-6207

Enclosures

cc: eFile NO68

SD/co

Chain of Custody Documentation

Prepared
for

ANCHOR ENVIRONMENTAL, LLC

PROJECT: Kimberly Clark, 000105-01

ARI JOB NO.: NO68

Prepared
By

Analytical Resources, Inc.

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: 0067	Turn-around Requested:	Page: 1 of 1	
ARI Client Company: ANCHOR ENVIRONMENTAL, LLC	Phone:	Date: 9/12/08	Ice Present?
Client Contact: JOY DUNAY		No. of Coolers:	Cooler Temps:
Client Project Name: KIMBERLY CLARK			
Client Project #: 000105-01	Samplers: JS/EG		

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

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: NH_3	Analysis Requested: S_2	Analysis Requested	Analysis Requested	Analysis Requested	Analysis Requested	Analysis Requested	Analysis Requested	Notes/Comments
AN-SB-01-080908	9/11/08	18:15	H_2O	1									
AN-SB-02-080908	9/11/08	18:16											
AN-SB-03-080908	9/12/08	8:10											
AN-SB-04-080908	9/11/08	18:17											
AN-SB-05-080908	9/12/08	8:11											
AN-SB-06-080908	9/12/08	8:15											
AN-SB-07-080908	9/12/08	8:12											

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name:	Printed Name: Brian Rogel	Printed Name:	Printed Name:
	Company:	Company: ARI	Company:	Company:
	Date & Time:	Date & Time: 9/12/08 0930	Date & Time:	Date & Time:

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

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

PRESERVATION VERIFICATION 09/12/08
Page 1 of 1

ANALYTICAL RESOURCES INCORPORATED

ARI Job No: **NO68**

Inquiry Number: NONE
Analysis Requested: 09/12/08
Contact: Dunay, Joy
Client: Anchor Environmental, LLC
Logged by: BLK
Sample Set Used: Yes-473
Validatable Package: No
Deliverables:

PC: Sue D.
VTSR: 09/12/08

Project #: 000105-01
Project: Kimberly Clark
Sample Site:
SDG No:
Analytical Protocol: In-house

LOGNUM ARI ID	CLIENT ID	CN >12	WAD >12	NH3 <2	COD <2	FOG <2	MET <2	PHEN <2	PHOS <2	TKN <2	NO23 <2	TOC <2	S2 >9	DMET FLT	DOC FLT	PARAMETER	ADJUSTED TO	LOT NUMBER	AMOUNT ADDED	DATE/BY
08-23563 **NO68A**	AN-SB-01-080908			up									up							
08-23564 **NO68B**	AN-SB-02-080908																			
08-23565 **NO68C**	AN-SB-03-080908																			
08-23566 **NO68D**	AN-SB-04-080908																			
08-23567 **NO68E**	AN-SB-05-080908																			
08-23568 **NO68F**	AN-SB-06-080908																			
08-23569 **NO68G**	AN-SB-07-080908																			

Samples Unpreserved!

0003

Checked By SC Date 9/12/08

Case Narrative

Prepared
for

ANCHOR ENVIRONMENTAL, LLC

PROJECT: Kimberly Clark, 000105-01

ARI JOB NO.: NO68

Prepared
By

Analytical Resources, Inc.

Case Narrative

Client: Anchor Environmental
Project: 000105-01, Kimberly Clark
Matrix: Pore Water
ARI Job No.: NO68

Sample receipt

Seven pore water samples were received September 12, 2008 under the ARI job number referenced above. Samples were received in unpreserved sample containers. The samples were analyzed for Ammonia and Sulfide as requested on the COC.

General Chemistry Parameters

The samples were prepared and analyzed within the required holding time.

The method blanks were clean and the LCS had recoveries within limits for both batches. Standard reference recoveries were within limits for both batches.

The matrix replicates had RSD within limits. The matrix spike percent recoveries were within control limits.

Data Summary Package

Prepared
for

ANCHOR ENVIRONMENTAL, LLC

PROJECT: Kimberly Clark, 000105-01

ARI JOB NO.: NO68

Prepared
By

Analytical Resources, Inc.

SAMPLE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/11/08
Date Received: 09/12/08

Client ID: AN-SB-01-080908
ARI ID: 08-23563 NO68A

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/01/08 100108#2	EPA 350.1M	mg-N/L	0.200	10.7
Sulfide	09/12/08 091208#1	EPA 376.2	mg/L	0.500	3.76

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/11/08
Date Received: 09/12/08

Client ID: AN-SB-02-080908
ARI ID: 08-23564 NO68B

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/01/08 100108#2	EPA 350.1M	mg-N/L	0.100	6.26
Sulfide	09/12/08 091208#1	EPA 376.2	mg/L	2.50	14.8

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/12/08
Date Received: 09/12/08

Client ID: AN-SB-03-080908
ARI ID: 08-23565 NO68C

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/01/08 100108#2	EPA 350.1M	mg-N/L	0.200	8.88
Sulfide	09/12/08 091208#1	EPA 376.2	mg/L	2.50	33.8

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/11/08
Date Received: 09/12/08

Client ID: AN-SB-04-080908
ARI ID: 08-23566 NO68D

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/01/08 100108#2	EPA 350.1M	mg-N/L	0.200	12.4
Sulfide	09/12/08 091208#1	EPA 376.2	mg/L	2.50	31.0

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/12/08
Date Received: 09/12/08

Client ID: AN-SB-05-080908
ARI ID: 08-23567 NO68E

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/01/08 100108#2	EPA 350.1M	mg-N/L	0.200	14.7
Sulfide	09/12/08 091208#1	EPA 376.2	mg/L	2.50	19.2

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/12/08
Date Received: 09/12/08

Client ID: AN-SB-06-080908
ARI ID: 08-23568 NO68F

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/01/08 100108#2	EPA 350.1M	mg-N/L	0.200	9.10
Sulfide	09/12/08 091208#1	EPA 376.2	mg/L	2.50	19.3

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/12/08
Date Received: 09/12/08

Client ID: AN-SB-07-080908
ARI ID: 08-23569 NO68G

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/01/08 100108#2	EPA 350.1M	mg-N/L	0.200	6.40
Sulfide	09/12/08 091208#1	EPA 376.2	mg/L	2.50	30.2

RL Analytical reporting limit
U Undetected at reported detection limit

METHOD BLANK RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	Blank
N-Ammonia	EPA 350.1M	10/01/08	mg-N/L	< 0.010 U
Sulfide	EPA 376.2	09/12/08	mg/L	< 0.050 U

LAB CONTROL RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	LCS	Spike Added	Recovery
Sulfide	EPA 376.2	09/12/08	mg/L	0.681	0.672	101.3%

STANDARD REFERENCE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
N-Ammonia ERA #15125	EPA 350.1M	10/01/08	mg-N/L	0.479	0.500	95.8%

REPLICATE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/11/08
Date Received: 09/12/08

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: NO68B Client ID: AN-SB-02-080908						
N-Ammonia	EPA 350.1M	10/01/08	mg-N/L	6.26	6.30	0.6%

MS/MSD RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/11/08
Date Received: 09/12/08

Analyte	Method	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: NO68A Client ID: AN-SB-01-080908							
Sulfide	EPA 376.2	09/12/08	mg/L	3.76	9.14	6.72	80.1%
Sulfide	EPA 376.2	09/12/08	mg/L	3.76	9.04	6.72	78.6%
ARI ID: NO68B Client ID: AN-SB-02-080908							
N-Ammonia	EPA 350.1M	10/01/08	mg-N/L	6.26	16.3	10.0	100.4%

Laboratory Data Package

prepared
for

Anchor Environmental, LLC

PROJECT: Kimberly Clark, 000105-01

ARI JOB NO.: NO68

Prepared
By

Analytical Resources, Inc.

General Chemistry Analysis
QC Summary Data

Prepared
for

ANCHOR ENVIRONMENTAL, LLC

PROJECT: Kimberly Clark, 000105-01

ARI JOB NO.: NO68

Prepared
By

Analytical Resources, Inc.

METHOD BLANK RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	Blank
N-Ammonia	EPA 350.1M	10/01/08	mg-N/L	< 0.010 U
Sulfide	EPA 376.2	09/12/08	mg/L	< 0.050 U

LAB CONTROL RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	LCS	Spike Added	Recovery
Sulfide	EPA 376.2	09/12/08	mg/L	0.681	0.672	101.3%

STANDARD REFERENCE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
N-Ammonia ERA #15125	EPA 350.1M	10/01/08	mg-N/L	0.479	0.500	95.8%

REPLICATE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/11/08
Date Received: 09/12/08

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: NO68B Client ID: AN-SB-02-080908						
N-Ammonia	EPA 350.1M	10/01/08	mg-N/L	6.26	6.30	0.6%

MS/MSD RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/11/08
Date Received: 09/12/08

Analyte	Method	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: NO68A Client ID: AN-SB-01-080908							
Sulfide	EPA 376.2	09/12/08	mg/L	3.76	9.14	6.72	80.1%
Sulfide	EPA 376.2	09/12/08	mg/L	3.76	9.04	6.72	78.6%
ARI ID: NO68B Client ID: AN-SB-02-080908							
N-Ammonia	EPA 350.1M	10/01/08	mg-N/L	6.26	16.3	10.0	100.4%

General Chemistry Analysis
Sample Data

Prepared
for

ANCHOR ENVIRONMENTAL, LLC

PROJECT: Kimberly Clark, 000105-01

ARI JOB NO.: NO68

Prepared
By

Analytical Resources, Inc.

SAMPLE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/11/08
Date Received: 09/12/08

Client ID: AN-SB-01-080908
ARI ID: 08-23563 NO68A

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/01/08 100108#2	EPA 350.1M	mg-N/L	0.200	10.7
Sulfide	09/12/08 091208#1	EPA 376.2	mg/L	0.500	3.76

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/11/08
Date Received: 09/12/08

Client ID: AN-SB-02-080908
ARI ID: 08-23564 NO68B

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/01/08 100108#2	EPA 350.1M	mg-N/L	0.100	6.26
Sulfide	09/12/08 091208#1	EPA 376.2	mg/L	2.50	14.8

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/12/08
Date Received: 09/12/08

Client ID: AN-SB-03-080908
ARI ID: 08-23565 NO68C

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/01/08 100108#2	EPA 350.1M	mg-N/L	0.200	8.88
Sulfide	09/12/08 091208#1	EPA 376.2	mg/L	2.50	33.8

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/11/08
Date Received: 09/12/08

Client ID: AN-SB-04-080908
ARI ID: 08-23566 NO68D

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/01/08 100108#2	EPA 350.1M	mg-N/L	0.200	12.4
Sulfide	09/12/08 091208#1	EPA 376.2	mg/L	2.50	31.0

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/12/08
Date Received: 09/12/08

Client ID: AN-SB-05-080908
ARI ID: 08-23567 NO68E

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/01/08 100108#2	EPA 350.1M	mg-N/L	0.200	14.7
Sulfide	09/12/08 091208#1	EPA 376.2	mg/L	2.50	19.2

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/12/08
Date Received: 09/12/08

Client ID: AN-SB-06-080908
ARI ID: 08-23568 NO68F

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/01/08 100108#2	EPA 350.1M	mg-N/L	0.200	9.10
Sulfide	09/12/08 091208#1	EPA 376.2	mg/L	2.50	19.3

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
NO68-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 10/02/08

Project: Kimberly Clark
Event: 000105-01
Date Sampled: 09/12/08
Date Received: 09/12/08

Client ID: AN-SB-07-080908
ARI ID: 08-23569 NO68G

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/01/08 100108#2	EPA 350.1M	mg-N/L	0.200	6.40
Sulfide	09/12/08 091208#1	EPA 376.2	mg/L	2.50	30.2

RL Analytical reporting limit
U Undetected at reported detection limit

General Chemistry Analysis
Instrument Raw Data

Prepared
for

ANCHOR ENVIRONMENTAL, LLC

PROJECT: Kimberly Clark, 000105-01

ARI JOB NO.: NO68

Prepared
By

Analytical Resources, Inc.

SULFIDE BENCHSHEET (Spectrophotometric, EPA 376.2)
Aqueous Samples

	Date / Time	Analyst
Distillation	9/12/08 11:10	CR/MP
Finish		

If distilled, specify procedure NA

1. *Standardization of sodium thiosulfate titrant*

Buret used for titrations: _____

Thiosulfate ID: 6352C
Bi-iodate ID: 0075-2
Stock bi-iodate = 0.8124 *grams to* 1000 *mL*
Normality = 0.025

	Titration of bi-iodate with thiosulfate			
mL bi-iodate =	3.000	3.000	3.000	
mL thiosulfate =	3.100	3.050	3.050	*nthio*
*Normality thiosulfate = (mL bi-iodate*normbio) / mL thiosulfate =*	0.024	0.025	0.025	**0.024**

2. *Normality of Iodine*

Iodine ID: 6427C

	Titration of Iodine with thiosulfate			
mL iodine =	3.000	3.000	3.000	
mL thiosulfate =	2.950	2.950	2.950	*ni*
*Normality iodine = (mL thiosulfate*nthio) / mL iodine=*	0.024	0.024	0.024	**0.024**

3. *Standardization of sodium sulfide stock*

Stock ID = 0087-07
Approx conc in 100ml
g Na2S 0.5732 *mg/ mL =* 0.765

	Titration of standard with Thiosulfate			
mL Standard =	1.00	1.00	1.00	
mL iodine =	3.00	3.00	3.00	
mL thiosulfate =	1.23	1.23	1.24	*stkconc (mg/mL)*
*Sulfide (mg/mL) = {[(mL iodine*ni)-(mL thio *nthio)]*16} / mL standard =*	0.67	0.67	0.67	**0.672**

Intermediate Standard

Add 12.5 *mL stk to* 250 *mL 0.01M NaOH =* **0.034** ***mg/mL***

5.0 Calibration Standard Curve *spectrophotometer used*

Volume Intermediate (ml)	FINAL VOLUME (ml)	CONC (mg S/L)	ABSORBANCE @ 650 nm 1	2	Avg	
0.00	50	0.000	0.000		0.000	
0.10	50	0.067	0.045		0.045	*0.069*
0.25	50	0.168	0.115		0.115	*0.175*
0.50	50	0.336	0.226		0.226	*0.341*
1.00	50	0.672	0.428		0.428	*0.645*
2.00	50	1.344	0.901		0.901	*1.355*

REGRESSION DATA

intercept	*-0.001*
slope	*0.666*
r=	*0.9996*
Comment:	*Calibration OK !*
maxabs =	*0.901*

Calib Verif Std =	*1*	*ml int to*	*50*	*ml ZnOAc =*	***0.672***	*mg/L*
Distillation Std =	*0.5*	*ml Stk to*	*50*	*=*	***6.718***	*mg/L*

SAMPLE DATA *enter dilution factor as ml final/mL sample*

SAMPLE ID	DISTILL DATA Sample Volume	Distill Volume (mL)	SPECTROPHOTOMETRIC DATA Dilution factor	ABS @ 650 nm	BKG ABS	Regressed Conc (mg S/L)	SAMPLE DATA Final Conc mg S/L	
Cal Blk		n/a	1.00	0.000		0.002	**< 0.07**	*OK!*
ICV		n/a	1.00	0.452		0.681	**0.68**	*101.31%*
NO68 A1	50.0		10.00	0.249		0.376	**3.76**	
NO68 B1	50.0		10.00	0.974		1.465	**14.65**	*offscale dilute*
NO68 C1	50.0		10.00	2.038		3.063	**30.63**	*offscale dilute*
NO68 D1	50.0		10.00	1.897		2.851	**28.51**	*offscale dilute*
NO68 E1	50.0		10.00	1.199		1.802	**18.02**	*offscale dilute*
NO68 F1	50.0		10.00	1.319		1.983	**19.83**	*offscale dilute*
NO68 G1	50.0		10.00	1.892		2.843	**28.43**	*offscale dilute*
NO68 C1	50.0		20.00	1.109		1.667	**33.35**	*offscale dilute*
NO68 D1	50.0		20.00	1.070		1.609	**32.18**	*offscale dilute*
NO68 G1	50.0		20.00	1.046		1.573	**31.45**	*offscale dilute*
Cal Blk	50.0	n/a	1.00	0.000		0.002	**< 0.07**	*OK!*
CCV	50.0	n/a	1.00	0.433		0.652	**0.65**	*97.07%*
NO68 A1			20.00	0.303		0.457	**9.14**	*80.1%*
MS at	0.05	*ml stk to*	5.00	*ml sample =*		6.72	*mg/l*	
NO68 A1			20.00	0.300		0.452	**9.05**	*78.7%*
MSD at	0.05	*ml stk to*	5.00	*ml sample =*		6.72	*mg/l*	
NO68 B1	50.0		50.00	0.195		0.295	**14.73**	
NO68 C1	50.0		50.00	0.449		0.676	**33.81**	
NO68 D1	50.0		50.00	0.412		0.621	**31.03**	
NO68 E1	50.0		50.00	0.254		0.383	**19.16**	
NO68 F1	50.0		50.00	0.256		0.386	**19.31**	

SAMPLE DATA *enter dilution factor as ml final/mL sample*

	DISTILL DATA		SPECTROPHOTOMETRIC DATA				SAMPLE DATA	
SAMPLE ID	Sample Volume	Distill Volume (mL)	Dilution factor	ABS @ 650 nm	BKG ABS	Regressed Conc (mg S/L)	**Final Conc mg S/L**	
NO68 G1	50.0		50.00	0.400		0.603	**30.13**	
Cal Blk	50.0	n/a	1.00	-0.006		-0.007	**< 0.07**	*OK!*
CCV	50.0	n/a	1.00	0.422		0.636	**0.64**	*94.61%*

Original Run Filename: OM_10-1-2008_11-54-12AM.OMN created 10/1/2008 11:54:12 AM
Original Run Author's Signature: UW
Current Run Filename: 100108NH3A.omn last modified 10/1/2008 2:59:37 PM
Description: LACHAT 1
Standards made from ARI Stock#:0078-01

10/2/08

Sample	Cup No.	Channel 1 NH3 Conc. (mg N/L)	Channel 1 NH3 Area (Vs)	Detection Time	MANUAL DILUTION FACTOR
STD 1.0	S1	1	41.2212	10/1/2008@11:55:12 AM	
STD 0.8	S2	0.8	32.8609	10/1/2008@11:56:23 AM	
STD 0.5	S3	0.5	20.6616	10/1/2008@11:57:34 AM	
STD 0.2	S4	0.2	7.7586	10/1/2008@11:58:44 AM	
STD 0.05	S5	0.05	1.4006	10/1/2008@11:59:54 AM	
STD 0.02	S6	0.02	0.5641	10/1/2008@12:01:06 PM	
STD 0.01	S7	0.01	0.2026	10/1/2008@12:02:17 PM	
BLANK	S8	0	-0.2895	10/1/2008@12:03:28 PM	
ICV ERA 06107	9	0.4789	19.5544	10/1/2008@12:04:39 PM	
Known Conc:		0.5			
Calibration:		Table/Fig. 1			
ICB	10	0.003	-0.2503	10/1/2008@12:11:27 PM	
Known Conc:		0			
LOW	11	0.0123	0.1388	10/1/2008@12:18:15 PM	
Known Conc:		0.01			
FILTER BLK	12	0.0049	-0.1690	10/1/2008@12:25:03 PM	
~~NO40 B2~~	~~13~~	~~18.4354~~	~~153.0726~~	10/1/2008@12:26:14 PM	5.0000
~~NO40 D2~~	~~14~~	~~25.4362~~	~~211.3441~~	10/1/2008@12:27:25 PM	5.0000
~~NO40 E2~~	~~15~~	~~32.4302~~	~~269.5578~~	10/1/2008@12:28:35 PM	5.0000
~~NO40 F2~~	~~16~~	~~26.8189~~	~~222.8527~~	10/1/2008@12:29:47 PM	5.0000

% R = 95.78

% R = 123

~~NO40 G2~~	~~19~~	~~10.847~~	~~451.0501~~	10/1/2008@12:30:58 PM	
~~NO40 G2 DUP~~	~~19~~	~~10.7811~~	~~448.3059~~	10/1/2008@12:32:09 PM	
~~NO40 G2~~	~~19~~	~~10.7847~~	~~448.4573~~	10/1/2008@12:33:20 PM	
~~NO40 G2 MS~~	~~20~~	~~10.8633~~	~~451.7266~~	10/1/2008@12:34:31 PM	
Spike Level:		0.5			
CCV	17	0.4609	18.8060	10/1/2008@12:35:42 PM	
Known Conc:		0.5			
CCB	18	0.01	0.0418	10/1/2008@12:42:31 PM	
Known Conc:		0			
NO70 B1	21	2.8185	23.0857	10/1/2008@12:49:20 PM	5.0000
~~NO70 C1~~	~~22~~	~~6.7244~~	~~55.5966~~	10/1/2008@12:50:32 PM	5.0000
~~NO70 D1~~	~~23~~	~~7.6635~~	~~63.4128~~	10/1/2008@12:51:43 PM	5.0000
~~NO70 E1~~	~~24~~	~~12.8227~~	~~106.3558~~	10/1/2008@12:52:54 PM	5.0000
NO40 B2	25	20.51	16.6973	10/1/2008@12:54:05 PM	50.0000
NO40 D2	26	29.1305	23.8726	10/1/2008@12:55:18 PM	50.0000
NO40 E2	27	40.1083	33.0100	10/1/2008@12:56:30 PM	50.0000
NO40 F2	28	30.9807	25.4126	10/1/2008@12:57:41 PM	50.0000
~~NO40 G2~~	~~29~~	~~24.9067~~	~~51.4535~~	10/1/2008@12:58:53 PM	20.0000
~~NO40 G2 DUP~~	~~29~~	~~24.8452~~	~~51.3256~~	10/1/2008@1:00:04 PM	20.0000
CCV	17	0.4824	19.7005	10/1/2008@1:01:16 PM	
Known Conc:		0.5			
CCB	18	0.0099	0.0366	10/1/2008@1:08:04 PM	
Known Conc:		0			
NO40 G2	30	25.679	20.9997	10/1/2008@1:14:53 PM	50.0000
NO40 G2 DUP	30	25.5805	20.9178	10/1/2008@1:16:04 PM	50.0000
NO40 G2	30	25.6504	20.9760	10/1/2008@1:17:15 PM	50.0000

% R = 92.18

% R = 96.48

% RPD = 0.38

NO40 G2 MS	31	74.574	30.6617	10/1/2008@1:18:28 PM	100.0000	% R = 97.79 0.5 ml * 1000 ppm / 10 ml
Spike Level:		50				
NO70 C1	32	7.2356	14.6822	10/1/2008@1:19:40 PM	20.0000	
NO70 D1	33	8.2821	16.8599	10/1/2008@1:20:52 PM	20.0000	
NO70 E1	34	13.8412	28.4277	10/1/2008@1:22:03 PM	20.0000	
NO41 A1	35	0.0009	-0.3364	10/1/2008@1:23:15 PM		
NO41 A1 DUP	35	0.0045	-0.1882	10/1/2008@1:24:26 PM		% RPD = NA
NO41 A1	35	0.01	0.0410	10/1/2008@1:25:38 PM		
NO41 A1 MS	36	0.5098	20.8434	10/1/2008@1:26:50 PM		% R = 101.96 0.25 ml * 20 ppm / 10 ml
Spike Level:		0.5				
CCV	17	0.4817	19.6725	10/1/2008@1:28:02 PM		% R = 96.34
Known Conc:		0.5				
CCB	18	0.0048	-0.1738	10/1/2008@1:34:51 PM		
Known Conc:		0				
NO41 B1	37	0.4049	16.4784	10/1/2008@1:41:40 PM		
NO41 C1	38	0.0403	1.3022	10/1/2008@1:42:52 PM		
NO41 D1	39	0.0035	-0.2304	10/1/2008@1:44:01 PM		
NO41 E1	40	0.0288	0.8238	10/1/2008@1:45:12 PM		
NO42 A2	41	0.0428	1.4086	10/1/2008@1:46:25 PM		
NO42 B2	42	0.309	2.1958	10/1/2008@1:47:37 PM	5.0000	
NO42 C2	43	0.0297	0.8619	10/1/2008@1:48:50 PM		
NO42 D2	44	0.0136	0.1922	10/1/2008@1:50:01 PM		
NO21 E2	45	0.0259	0.7044	10/1/2008@1:51:12 PM		
NO42 F2	46	0.0099	0.0389	10/1/2008@1:52:25 PM		
CCV	17	0.4844	19.7874	10/1/2008@1:53:36 PM		% R = 96.88
Known Conc:		0.5				

CCB	18	0.0053	-0.1548	10/1/2008@2:00:24 PM		
Known Conc:		0				
NO42 G2	47	0.0419	1.3682	10/1/2008@2:07:14 PM		
NP94 A4	48	0.0005	-0.3518	10/1/2008@2:08:27 PM		
NP94 A4 DUP	48	0.0023	-0.2766	10/1/2008@2:09:39 PM		% RPD = NA
NP94 A4	48	0.0005	-0.3534	10/1/2008@2:10:50 PM		
NP94 A4 MS	49	0.516	21.1020	10/1/2008@2:12:03 PM		% R = 103.2 0.25 ml * 20 ppm / 10 ml
Spike Level:		0.5				
~~NO68 A1~~	~~50~~	~~7.5948~~	~~315.7005~~	10/1/2008@2:13:15 PM		
~~NO68 B1~~	~~51~~	~~5.4162~~	~~225.0358~~	10/1/2008@2:14:28 PM		
~~NO68 C1~~	~~52~~	~~6.68~~	~~277.6299~~	10/1/2008@2:15:41 PM		
~~NO68 D1~~	~~53~~	~~8.0573~~	~~334.9492~~	10/1/2008@2:16:53 PM		
~~NO68 E1~~	~~54~~	~~8.7658~~	~~364.4354~~	10/1/2008@2:18:06 PM		
CCV	17	0.4628	18.8859	10/1/2008@2:19:17 PM		% R = 92.56
Known Conc:		0.5				
CCB	18	0.0018	-0.2980	10/1/2008@2:26:05 PM		
Known Conc:		0				
NO68 F1	55	9.1039	18.5699	10/1/2008@2:32:55 PM	20.0000	
NO68 G1	56	6.4009	12.9454	10/1/2008@2:34:08 PM	20.0000	
NO68 A1	57	10.6876	21.8654	10/1/2008@2:35:21 PM	20.0000	
NO68 B1	58	6.2609	25.6823	10/1/2008@2:36:33 PM	10.0000	
NO68 B1 DUP	58	6.2962	25.8291	10/1/2008@2:37:45 PM	10.0000	% RPD = 0.56
NO68 B1	58	6.2529	25.6489	10/1/2008@2:38:58 PM	10.0000	
NO68 B1 MS	59	16.3399	33.6272	10/1/2008@2:40:10 PM	20.0000	% R = 100.79 0.1 ml * 1000 ppm / 10 ml
Spike Level:		10				

NO68 C1	60	8.8763	18.0963	10/1/2008@2:41:22 PM	20.0000
NO68 D1	13	12.3914	25.4108	10/1/2008@2:42:34 PM	20.0000
NO68 E1	14	14.692	30.1980	10/1/2008@2:43:45 PM	20.0000
CCV	17	0.4987	20.3825	10/1/2008@2:44:56 PM	
Known Conc:		0.5			
CCB	18	0.0053	-0.1554	10/1/2008@2:51:44 PM	
Known Conc:		0			

% R = 99.74

ANALYTICAL
RESOURCES
INCORPORATED

ANALYST NOTES

ARI Job No: N068 Client Name: Anchor

Parameter: NH_3 Client Project:

Samples in 40 ml vials, unpreserved.

Analyst: W Date Analyzed: 10-1-08

Analytical Resources, Incorporated
Analytical Chemists and Consultants

November 9, 2007

David Gillingham
Anchor Environmental, L.L.C.
1423 3rd Avenue, Suite 300
Seattle, WA 98101

RE: Client Project: Kimberly Clark Anacortes
ARI Job No. LT50

Dear David:

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

Sample receipt and details of the analyses are discussed in the Case Narrative.

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

Sincerely,

ANALYTICAL RESOURCES, INC.

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

Enclosures

cc: eFile LT50

SD/sdrd

Chain of Custody Documentation

Prepared
for

ANCHOR ENVIRONMENTAL, LLC.

PROJECT: KIMBERLY CLARK ANACORTES

ARI JOB NO. LT50

Prepared
By

Analytical Resources, Inc.

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: LK77	Turn-around Requested: 15 day
ARI Client Company: Anchor	Phone: 206-287-9130
Client Contact: David Gillingham	
Client Project Name: Kimberly Clark Anacortes	
Client Project #:	Samplers: D. Gillingham

Page: 1 of 2

Date: 9/29/07 | Ice Present?

No. of Coolers: | Cooler Temps:

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

Sample ID	Date	Time	Matrix	No. Containers	Porewater Amm/Sulfide	Grainsize	LOI	TOC/TS	metals	svoc/PCB			Notes/Comments
AN-SS-01-070927	09/27/07		Sed	6	X	X	X	X	X	X			Please call
AN-SS-02-070927	09/27/07			6	X	X	X	X	X	X			to Discuss
AN-SS-03-070928	09/28/07			6	X	X	X	X	X	X			TVS Analysis
AN-SS-07-070928	09/28/07			6	X	X	X	X	X	X			
AN-SS-10-070928	09/28/07			6	X	X	X	X	X	X			
AN-SS-11-070928	09/28/07			6	X	X	X	X	X	X			
AN-SS-REF-070928	09/28/07			3	X	X	/	X	/	/			

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: David Gillingham	Printed Name: ASHLEY LAMOUNTAIN	Printed Name:	Printed Name:
	Company: Anchor	Company: ARI	Company:	Company:
	Date & Time: 9/29/07 1000	Date & Time: 9/29/07 0955	Date & Time:	Date & Time:

0002

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

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

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: LB71	Turn-around Requested: 15 day	Page: 2 of 2	
ARI Client Company: Anchor	Phone: 206 287 9130	Date: 9/29/07	Ice Present?
Client Contact: David Gillingham		No. of Coolers:	Cooler Temps:
Client Project Name: Kimberly Clark			
Client Project #:	Samplers: DG		

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

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: Porewater Amm/Sulfide	Grain Size	LOI	TOC/TS	metals	SVOC/PCB			Notes/Comments
AN-SS-04	9/28/07		Sed	6	X	X	X	X	X	X			
AN-SS-05	9/27/07		↓	6	X	X	X	X	X	X			
AN-SS-06	9/28/07			6	X	X	X	X	X	X			
AN-SS-08	9/27/07			6	X	X	X	X	X	X			
AN-SS-09	9/27/07		↓	6	X	X	X	X	X	X			

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: Anchor	Printed Name: ASHLEY LAMOUNTAIN	Printed Name:	Printed Name:
	Company: David Gillingham	Company: ARI	Company:	Company:
	Date & Time: 9/29/07 1000	Date & Time: 9/29/07 1000	Date & Time:	Date & Time:

0003

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

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

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: ANCHOR
COC No: —
Assigned ARI Job No: LR7H

Project Name: Kimberly Clark Anacortes
Delivered by: HAND-DELIVERED
Tracking No: —

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler?	YES	(NO)
Were custody papers included with the cooler?	(YES)	NO
Were custody papers properly filled out (ink, signed, etc.)	(YES)	NO
Record cooler temperature (recommended 2.0-6.0 °C for chemistry	4.2, 3.8, 3.6, 3.4,	°C

Cooler Accepted by: ael Date: 9/24/07 Time: 1000

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?	YES	(NO)
What kind of packing material was used?	Ice	
Was sufficient ice used (if appropriate)?	(YES)	NO
Were all bottles sealed in individual plastic bags?	(YES)	NO
Did all bottle arrive in good condition (unbroken)?	(YES)	NO
Were all bottle labels complete and legible?	(YES)	NO
Did all bottle labels and tags agree with custody papers?	(YES)	NO
Were all bottles used correct for the requested analyses?	(YES)	NO
Do any of the analyses (bottles) require preservation? (attach preservation checklist)	YES	(NO)
Were all VOC vials free of air bubbles? (NA)	YES	NO
Was sufficient amount of sample sent in each bottle?	(YES)	NO

Samples Logged by: ael Date: 9/24/07 Time: 1315

*** Notify Project Manager of discrepancies or concerns ***

Explain discrepancies or negative responses:

By: Date:

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Client: Anchor Environmental, LLC ARI Project No.: LR71

Client Project: Kimberly Clark Anacortes

Case Narrative

1. Twelve samples were received on September 29, 2007. Eleven samples were submitted for Pore Water Extraction in general guidance with the Corp of Engineers draft interim guide lines, total organic matter by ignition by ASTM D2974 and grain size analysis by PSEP methodology. Sample AN-SS-REF-070928 was submitted only for grain size distribution and pore water extraction.
2. The sediment for pore water extraction was in 32 oz wide mouth glass jars. The sediment sample jars were placed in the nitrogen chamber along with centrifuge jars, spoons, preserved 40 mL vials and a balance, and the chamber was sealed and filled with nitrogen. The centrifuge jars and vials were opened to allow them to come to equilibrium with the chamber. The oxygen level in the chamber was less than 1%.
3. All centrifuge bottles were pre-rinsed with Hexane and allowed to dry completely. All spoons were pre-rinsed with deionized water.
4. All samples were centrifuged in a pre-cooled centrifuge (4°C) at 1,200 x g for 30 minutes, decanted in the nitrogen chamber, and then placed in another pre-cooled centrifuge (4°C) and spun at 7,000-x g for 15 minutes. The pore water was then decanted into two separate preserved 40 mL vials for ammonia and sulfide testing.
5. Some of the samples had "floaters," material that was floating on the top (or within the water) and could not be separated by centrifuging.
6. Sample AN-SS-06 contained live worms.
7. The samples for total organic matter by ignition were received in 16 oz plastic jars.
8. The grain size analysis samples were received in 16 oz plastic jars.
9. The samples were run in a single batch and sample AN-SS-REF-070928 was chosen for triplicate analysis. The triplicate data is reported on the QA summary.
10. Samples AN-SS-05, AN-SS-06 and AN-SS-09 contained fewer than the 5 grams required in the pipette portion of the analysis. Our balance has a capacity of about 200 g. (by 0.0001) and a sample size that would give 5 g. of fines could not be split and stay within the capacity of the balance.
11. The pipette readings on sample AN-SS-09 were below the level required for accurate weighing, resulting in negative weights. This result was likely due to the minimal amount of fines in the sample or the large wood chunks within the sample, which could have interfered with the moisture content. The total sample weight was adjusted to eliminate the negative values.
12. Samples AN-SS-01-070927, AN-SS-02-070927, AN-SS-03-070928, AN-SS-05, AN-SS-08 and AN-SS-09 contained organic matter and/or large wood chunks. This material may have broken down during the sieving process, affecting grain size analysis.
13. Samples AN-SS-01-070927, AN-SS-02-070927, AN-SS-03-070928, AN-SS-07-070928, AN-SS-10-070928, AN-SS-11-070928 and AN-SS-06 contained shells or shell fragments.
14. The data is provided in summary tables and plots.
15. There were no other anomalies in the samples or methods on this project.

Approved by: Taylor McKenzie Date: 10/18/07
Title: Lead Technician

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

Case Narrative

Prepared
for

ANCHOR ENVIRONMENTAL, LLC.

PROJECT: KIMBERLY CLARK ANACORTES

ARI JOB NO. LT50

Prepared
By

Analytical Resources, Inc.

Case Narrative

Client: Anchor Environmental
Project: Kimberly Clark Anacortes
Matrix: Sediment
ARI Job No. LT50

Sample receipt

Twelve sediment samples were received September 29, 2007 under ARI Job LR71. Sample container temperatures measured by IR Thermometer following ARI SOP were 3.4 to 4.2°C and samples were well iced. Samples were received in good condition with no discrepancies in paperwork.

Pore waters were extracted following USACE/EPA techniques, and are reported here under ARI Job LT50.

Conventionals Parameters (Ammonia and Sulfide)

Samples were prepared and analyzed within the required holding time from pore water preparation.

The method blank was clean for both parameters. The LCS was within limits for both sulfide batches.

Standard reference recoveries were within limits for the Ammonia.

The replicates had acceptable RPD for both parameters.

Limited sample volume was available and no Matrix Spike was analyzed for the pore waters.

There were no incidents of note.

Data Reporting Qualifiers

Effective 12/28/04

Inorganic Data

U	Indicates that the target analyte was not detected at the reported concentration
*	Duplicate RPD is not within established control limits
B	Reported value is less than the CRDL but ≥ the Reporting Limit
N	Matrix Spike recovery not within established control limits
NA	Not Applicable, analyte not spiked
H	The natural concentration of the spiked element is so much greater than the concentration spiked that an accurate determination of spike recovery is not possible
L	Analyte concentration is ≤5 times the Reporting Limit and the replicate control limit defaults to ±1 RL instead of the normal 20% RPD

Organic Data

U	Indicates that the target analyte was not detected at the reported concentration
*	Flagged value is not within established control limits
B	Analyte detected in an associated Method Blank at a concentration greater than one-half of ARI's Reporting Limit or 5% of the regulatory limit or 5% of the analyte concentration in the sample.
J	Estimated concentration when the value is less than ARI's established reporting limits
D	The spiked compound was not detected due to sample extract dilution
NR	Spiked compound recovery is not reported due to chromatographic interference
E	Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
S	Indicates an analyte response that has saturated the detector. The calculated concentration is not valid; a dilution is required to obtain valid quantification of the analyte
NA	The flagged analyte was not analyzed for

NS The flagged analyte was not spiked into the sample

M Estimated value for an analyte detected and confirmed by an analyst but with low spectral match parameters. This flag is used only for GC-MS analyses

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification"

Y The analyte is not detected at or above the reported concentration. The reporting limit is raised due to chromatographic interference. The Y flag is equivalent to the U flag with a raised reporting limit.

C The analyte was positively identified on only one of two chromatographic columns. Chromatographic interference prevented a positive identification on the second column

P The analyte was detected on both chromatographic columns but the quantified values differ by ≥40% RPD with no obvious chromatographic interference

Geotechnical Data

A The total of all fines fractions. This flag is used to report total fines when only sieve analysis is requested and balances total grain size with sample weight.

F Samples were frozen prior to particle size determination

SM Sample matrix was not appropriate for the requested analysis. This normally refers to samples contaminated with an organic product that interferes with the sieving process and/or moisture content, porosity and saturation calculations

SS Sample did not contain the proportion of "fines" required to perform the pipette portion of the grain size analysis

W Weight of sample in some pipette aliquots was below the level required for accurate weighting

Data Summary Package

Prepared
for

ANCHOR ENVIRONMENTAL, LLC.

PROJECT: KIMBERLY CLARK ANACORTES

ARI JOB NO. LT50

Prepared
By

Analytical Resources, Inc.

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Client ID: AN-SS-01-070927
ARI ID: 07-21717 LT50A

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.100	8.06
Sulfide	10/04/07 100407#2	EPA 376.2	mg/L	2.50	26.4

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Client ID: AN-SS-02-070927
ARI ID: 07-21718 LT50B

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.100	7.40
Sulfide	10/04/07 100407#2	EPA 376.2	mg/L	2.50	34.2

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Client ID: AN-SS-03-070928
ARI ID: 07-21719 LT50C

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.100	9.79
Sulfide	10/04/07 100407#2	EPA 376.2	mg/L	2.50	22.8

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Client ID: AN-SS-07-070928
ARI ID: 07-21720 LT50D

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.200	13.0
Sulfide	10/04/07 100407#2	EPA 376.2	mg/L	2.50	38.7

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Client ID: AN-SS-10-070928
ARI ID: 07-21721 LT50E

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.200	13.1
Sulfide	10/04/07 100407#2	EPA 376.2	mg/L	2.50	44.0

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Client ID: AN-SS-11-070928
ARI ID: 07-21722 LT50F

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.100	2.34
Sulfide	10/04/07 100407#2	EPA 376.2	mg/L	2.50	30.2

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Client ID: AN-SS-REF-070928
ARI ID: 07-21723 LT50G

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.100	6.13

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Client ID: AN-SS-04
ARI ID: 07-21724 LT50H

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.100	0.888

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/02/07
Date Received: 10/03/07

Client ID: AN-SS-05
ARI ID: 07-21725 LT50I

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.500	16.3
Sulfide	10/04/07 100407#2	EPA 376.2	mg/L	2.50	43.0

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/02/07
Date Received: 10/03/07

Client ID: AN-SS-06
ARI ID: 07-21726 LT50J

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.100	9.98
Sulfide	10/05/07 100507#2	EPA 376.2	mg/L	1.00	14.2

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/02/07
Date Received: 10/03/07

Client ID: AN-SS-09
ARI ID: 07-21728 LT50L

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.100	8.46

RL Analytical reporting limit
U Undetected at reported detection limit

METHOD BLANK RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	Blank
N-Ammonia	EPA 350.1M	10/16/07	mg-N/L	< 0.010 U
Sulfide	EPA 376.2	10/04/07	mg/L	< 0.05 U
		10/05/07		< 0.05 U

LAB CONTROL RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	LCS	Spike Added	Recovery
Sulfide	EPA 376.2	10/04/07	mg/L	0.41	0.38	108.5%
		10/05/07		0.38	0.38	100.5%

STANDARD REFERENCE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
N-Ammonia ERA #15125	EPA 350.1M	10/16/07	mg-N/L	0.516	0.500	103.2%

REPLICATE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: LT50D	**Client ID: AN-SS-07-070928**					
N-Ammonia	EPA 350.1M	10/16/07	mg-N/L	13.0	13.0	0.0%
ARI ID: LT50J	**Client ID: AN-SS-06**					
N-Ammonia	EPA 350.1M	10/16/07	mg-N/L	9.98	9.97	0.1%

Laboratory Data Package

prepared
for

ANCHOR ENVIRONMENTAL, LLC.

PROJECT: KIMBERLY CLARK ANACORTES

ARI JOB NO. LT50

Prepared
By

Analytical Resources, Inc.

General Chemistry Analysis
QC Summary Data

Prepared
for

ANCHOR ENVIRONMENTAL, LLC.

PROJECT: KIMBERLY CLARK ANACORTES

ARI JOB NO. LT50

Prepared
By

Analytical Resources, Inc.

METHOD BLANK RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	Blank
N-Ammonia	EPA 350.1M	10/16/07	mg-N/L	< 0.010 U
Sulfide	EPA 376.2	10/04/07	mg/L	< 0.05 U
		10/05/07		< 0.05 U

LAB CONTROL RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	LCS	Spike Added	Recovery
Sulfide	EPA 376.2	10/04/07	mg/L	0.41	0.38	108.5%
		10/05/07		0.38	0.38	100.5%

STANDARD REFERENCE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
N-Ammonia ERA #15125	EPA 350.1M	10/16/07	mg-N/L	0.516	0.500	103.2%

REPLICATE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: LT50D	**Client ID: AN-SS-07-070928**					
N-Ammonia	EPA 350.1M	10/16/07	mg-N/L	13.0	13.0	0.0%
ARI ID: LT50J	**Client ID: AN-SS-06**					
N-Ammonia	EPA 350.1M	10/16/07	mg-N/L	9.98	9.97	0.1%

General Chemistry Analysis
Sample Data

Prepared
for

ANCHOR ENVIRONMENTAL, LLC.

PROJECT: KIMBERLY CLARK ANACORTES

ARI JOB NO. LT50

Prepared
By

Analytical Resources, Inc.

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Client ID: AN-SS-01-070927
ARI ID: 07-21717 LT50A

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.100	8.06
Sulfide	10/04/07 100407#2	EPA 376.2	mg/L	2.50	26.4

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Client ID: AN-SS-02-070927
ARI ID: 07-21718 LT50B

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.100	7.40
Sulfide	10/04/07 100407#2	EPA 376.2	mg/L	2.50	34.2

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Client ID: AN-SS-03-070928
ARI ID: 07-21719 LT50C

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.100	9.79
Sulfide	10/04/07 100407#2	EPA 376.2	mg/L	2.50	22.8

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Client ID: AN-SS-07-070928
ARI ID: 07-21720 LT50D

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.200	13.0
Sulfide	10/04/07 100407#2	EPA 376.2	mg/L	2.50	38.7

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Client ID: AN-SS-10-070928
ARI ID: 07-21721 LT50E

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.200	13.1
Sulfide	10/04/07 100407#2	EPA 376.2	mg/L	2.50	44.0

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Client ID: AN-SS-11-070928
ARI ID: 07-21722 LT50F

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.100	2.34
Sulfide	10/04/07 100407#2	EPA 376.2	mg/L	2.50	30.2

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Client ID: AN-SS-REF-070928
ARI ID: 07-21723 LT50G

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.100	6.13

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/01/07
Date Received: 10/03/07

Client ID: AN-SS-04
ARI ID: 07-21724 LT50H

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.100	0.888

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/02/07
Date Received: 10/03/07

Client ID: AN-SS-05
ARI ID: 07-21725 LT50I

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.500	16.3
Sulfide	10/04/07 100407#2	EPA 376.2	mg/L	2.50	43.0

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/02/07
Date Received: 10/03/07

Client ID: AN-SS-06
ARI ID: 07-21726 LT50J

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.100	9.98
Sulfide	10/05/07 100507#2	EPA 376.2	mg/L	1.00	14.2

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
LT50-Anchor Environmental, LLC

ANALYTICAL RESOURCES INCORPORATED

Matrix: Pore Water
Data Release Authorized:
Reported: 11/12/07

Project: Kimberly Clark Anacortes
Event: NA
Date Sampled: 10/02/07
Date Received: 10/03/07

Client ID: AN-SS-09
ARI ID: 07-21728 LT50L

Analyte	Date Batch	Method	Units	RL	Sample
N-Ammonia	10/16/07 101607#1	EPA 350.1M	mg-N/L	0.100	8.46

RL Analytical reporting limit
U Undetected at reported detection limit

General Chemistry Analysis
Instrument Raw Data

Prepared
for

ANCHOR ENVIRONMENTAL, LLC.

PROJECT: KIMBERLY CLARK ANACORTES

ARI JOB NO. LT50

Prepared
By

Analytical Resources, Inc.

Sulfide EPA 376.2 No: 3333
Data Analyst: Mike Perkins Analyzed by: MAP
Comments: Date Analyzed: 10/ 4/07
Print Date: 10/12/07 13:56 Time Analyzed: 13:00

10-12-07

	ARI ID	SMP/DGST	DF	Raw	Calc	Q	RL	SPK	REC/RPD
1.	ICB		1.0	-0.015	< 0.05	U	0.050		
2.	ICVR		1.0	0.407	0.41		0.050	0.38	108.47
3.	LT50H	50.0 50.0	10.	0.143	Comment	NR	0.500		
4.	LT50L	50.0 50.0	1.0	0.035	Comment	NR	0.050		
5.	LT50G	50.0 50.0	2.5	0.009	Comment	NR	0.125		
6.	LT50A	50.0 50.0	50.	0.528	26.4		2.50		
7.	LT50B	50.0 50.0	50.	0.684	34.2		2.50		
8.	LT50C	50.0 50.0	50.	0.455	22.8		2.50		
9.	LT50D	50.0 50.0	50.	0.774	38.7		2.50		
10.	LT50E	50.0 50.0	50.	0.879	44.0		2.50		
11.	LT50F	50.0 50.0	50.	0.605	30.2		2.50		
12.	LT50I	50.0 50.0	50.	0.859	43.0		2.50		
13.	LT50K	50.0 50.0	1.0	_____	Comment	NR	0.050		
14.	CCB		1.0	-0.011	< 0.05	U	0.050		
15.	CCVR		1.0	0.400	0.40		0.050	0.38	105.82

LR71 Pure Waters

SULFIDE BENCHSHEET (Spectrophotometric, EPA 376.2) | Date / Time | Analyst
Aqueous Samples | *Distillation* | |
Finish | 10/4/07 13:00 | MAP

If distilled, specify procedure NA

1. Standardization of sodium thiosulfate titrant — *Buret used for titrations:* DIGITAL III

Thiosulfate ID: | ***Titration from 10/2/07 RR***

Bi-iodate ID: 0071-11 | *Titration of bi-iodate with thiosulfate*

Stock bi-iodate = **0.4065** *grams to* 500 *mL* | *ml bi-iodate =* | 2.00 | 2.00 | 2.00 |

Normality = **0.025** | *ml thiosulfate =* | 2.04 | 2.05 | 2.07 | *nthio*

*Normality thiosulfate = (mL bi-iodate*normality) / mL thiosulfate =* | 0.025 | 0.024 | 0.024 | **0.024**

2. Normality of Iodine — *Titration of Iodine with thiosulfate*

Iodine ID: ***5777 C*** | *mL Iodine =* | 3.00 | 3.00 | 3.00 |

mL thiosulfate = | 2.860 | 2.840 | 2.830 | *ni*

*Normality iodine = (mL thiosulfate*normality) / mL iodine=* | 0.023 | 0.023 | 0.023 | **0.023**

3. Standardization of sodium sulfide stock — *Titration of standard with thiosulfate*

Stock ID = 0073-8 | *mL Standard =* | 1.00 | 1.00 | 1.00 |

Approx conc in 100ml | *mL iodine =* | 3.00 | 3.00 | 3.00 |

g Na2S 0.5273 *mg/ mL =* 0.704 | *mL thiosulfate =* | 1.06 | 1.04 | 1.05 | *stkconc (mg/mL)*

*Sulfide (mg/mL) = {[(mL iodine*ni)-(mL thio *nthio)]*16} / mL standard =* | 0.695 | 0.703 | 0.699 | **0.699**

Intermediate Standard

Add 1.8 *ml stk to* 50 *ml 0.01 M NaOH =* **0.025** **mg/mL**

5.0 Calibration Standard Curve — *spectrophotometer used*

Volume Intermediate (ml)	FINAL VOLUME (ml)	CONC (mg S/L)	ABSORBANCE @ 650 nm 1	2	Avg		REGRESSION DATA
0.00	50	0.000	0.002		0.002		*intercept* 0.008
0.10	50	0.050	0.031		0.031	*0.048*	*slope* 0.493
0.25	50	0.126	0.069		0.069	*0.125*	*r=* 0.9994
0.50	50	0.252	0.134		0.134	*0.256*	*Comment:* Calibration OK !
1.00	50	0.503	0.267		0.267	*0.526*	
2.00	50	1.007	0.498		0.498	*0.995*	*maxabs =* 0.498

Calib Verif Std = *0.75* *ml int to* *50* *ml ZnOAc =* ***0.378*** *mg/L*

Distillation Std = *0.5* *ml Stk to* *50* *=* ***6.993*** *mg/L*

SAMPLE DATA — *enter dilution factor as ml final/mL sample*

SAMPLE ID	DISTILL DATA Sample Volume	Distill Volume (mL)	SPECTROPHOTOMETRIC DATA Dilution factor	ABS @ 650 nm	BKG ABS	Regressed Conc (mg S/L)	SAMPLE DATA Final Conc mg S/L	
Cal Blk		n/a	1.00	0.004		-0.007	**< 0.05**	*OK!*
ICV		n/a	1.00	0.183		0.356	**0.36**	*94.24%*
LR72 A1	50.0		1.00	0.003		-0.009	**< 0.05**	
LR72 B1	50.0		1.00	0.001		-0.013	**< 0.05**	
LR72 C1	50.0		1.00	0.000		-0.015	**< 0.05**	
LR72 D1	50.0		1.00	0.000		-0.015	**< 0.05**	
LR72 E1	50.0		1.00	0.003		-0.009	**< 0.05**	
LR72 F1	50.0		1.00	0.067	0.065	-0.011	**< 0.05**	
LR72 G1	50.0		1.00	0.220	0.218	-0.011	**< 0.05**	
LR72 H1	50.0		1.00	0.000		-0.015	**< 0.05**	
LR72 C1ms	50.0		1.00	0.006		-0.003	**< 0.05**	*NO RECOVERY*
Spike at	0.05	*ml INT to*	5.00	*ml sample =*		0.25	*mg/l*	
LR72 C1 msd	50.0		1.00	0.006		-0.003	**< 0.05**	*NO RECOVERY*
Spike at	0.05	*ml INT to*	5.00	*ml sample =*		0.25	*mg/l*	
LR72 G1ms	50.0		1.00	0.276	0.218	0.102	**0.10**	*40.65%*
Spike at	0.05	*ml INT to*	5.00	*ml sample =*		0.25	*mg/l*	
LR72 G1 msd	50.0		1.00	0.276	0.218	0.102	**0.10**	*40.65%*
Spike at	0.05	*ml INT to*	5.00	*ml sample =*		0.25	*mg/l*	
Cal Blk	50.0	n/a	1.00	0.000		-0.015	**< 0.05**	*OK!*
CCV	50.0	n/a	1.00	0.208		0.407	**0.41**	*107.67%*

SAMPLE DATA *enter dilution factor as ml final/mL sample*

	DISTILL DATA		SPECTROPHOTOMETRIC DATA				SAMPLE DATA	
SAMPLE ID	Sample Volume	Distill Volume (mL)	Dilution factor	ABS @ 650 nm	BKG ABS	Regressed Conc (mg S/L)	**Final Conc mg S/L**	
LR71 A	50.0		10.00	0.878		1.765	**17.7**	*offscale dilute*
LR71 B	50.0		10.00	1.100		2.216	**22.2**	*offscale dilute*
LR71 C	50.0		10.00	0.819		1.646	**16.5**	*offscale dilute*
LR71 D	50.0		10.00	1.114		2.244	**22.4**	*offscale dilute*
LR 71 E	50.0		10.00	1.291		2.603	**26.0**	*offscale dilute*
LR71 F	50.0		10.00	1.055		2.124	**21.2**	*offscale dilute*
LR71 G	50.0		10.00	0.014		0.013	**< 0.5**	
LR71 H	50.0		10.00	0.078		-0.143	**1.43**	
LR71 I	50.0		10.00	1.112		2.240	**22.4**	*offscale dilute*
LR71 J	50.0		10.00	0.640		1.283	**12.8**	*offscale dilute*
Cal Blk	50.0	n/a	1.00	0.008		0.001	**< 0.05**	*OK!*
CCV	50.0	n/a	1.00	0.223		0.437	**0.44**	*Err @116%*
Cal Blk	50.0	n/a	1.00	0.009		0.003	**< 0.05**	*OK!*
CCV	50.0	n/a	1.00	0.219		0.429	**0.43**	*Err @114%*
LR71 L	50.0		1.00	0.025		0.035	**< 0.05**	
LR71 C	50.0		2.50	0.012		0.009	**< 0.13**	
LR71 H	50.0		2.50	NR				*dirtysample limited volume*
LR71 L	50.0		3.33	NR				*limited volume, end of sample*
Cal Blk	50.0	n/a	1.00	0.003		-0.009	**< 0.05**	*OK!*
CCV	50.0	n/a	1.00	0.211		0.413	**0.41**	*109.28%*
LR71 A	50.0		50.00	0.268		0.528	**26.4**	
LR71 B	50.0		50.00	0.345		0.684	**34.2**	
LR71 C	50.0		50.00	0.232		0.455	**22.8**	
LR71 D	50.0		50.00	0.389		0.774	**38.7**	
LR 71 E	50.0		50.00	0.441		0.879	**44.0**	
LR71 F	50.0		50.00	0.306		0.605	**30.3**	
LR71 G	50.0		5.00	0.011		0.007	**< 0.25**	
LR71 I	50.0		50.00	0.431		0.859	**42.9**	
LR71 J	50.0		10.00	0.625		1.252	**12.5**	*offscale dilute*
Cal Blk	50.0	n/a	1.00	0.002		-0.011	**< 0.05**	*OK!*
CCV	50.0	n/a	1.00	0.205		0.400	**0.40**	*106.05%*

21724

Sulfide EPA 376.2 No: 3337
Data Analyst: Mike Perkins Analyzed by: MAP
Comments: Date Analyzed: 10/ 5/07
Print Date: 10/12/07 13:37 Time Analyzed: 9:45

MAP 10-12-07

ARI ID	SMP/DGST	DF	Raw	Calc	Q	RL	SPK	REC/RPD
1. ICB		1.0	-0.014	< 0.05	U	0.050		
2. ICVR		1.0	0.385	0.38		0.050	0.38	100.53
3. LT50J								
	50.0	20.	0.712	14.2		1.00		
	50.0							
4. CCB		1.0	-0.017	< 0.05	U	0.050		
5. CCVR		1.0	0.383	0.38		0.050	0.38	100.53

SULFIDE BENCHSHEET (Spectrophotometric, EPA 376.2) | Date / Time | Analyst

Aqueous Samples | *Distillation* | | |

Finish | 10/5/07 9:45 | MAP

If distilled, specify procedure **NA**

1. Standardization of sodium thiosulfate titrant — *Buret used for titrations:* DIGITAL III

Thiosulfate ID: ____ ***STANDARD FROM 10/2/07***

Bi-iodate ID: **0071-11** — *Titration of bi-iodate with thiosulfate*

Stock bi-iodate = **0.4065** *grams to* 500 *mL*

ml bi-iodate =	2.000	2.000	2.000	
Normality = **0.025** *ml thiosulfate =*	2.040	2.050	2.070	*nthio*
*Normality thiosulfate = (mL bi-iodate*normality) / mL thiosulfate =*	0.025	0.024	0.024	**0.024**

2. Normality of Iodine — *Titration of Iodine with thiosulfate*

Iodine ID: ***5777 C***

mL Iodine =	3.000	3.000	3.000	
mL thiosulfate =	2.860	2.840	2.830	*ni*
*Normality iodine = (mL thiosulfate*normality) / mL iodine=*	0.023	0.023	0.023	**0.023**

3. Standardization of sodium sulfide stock — *Titration of standard with Thiosulfate*

Stock ID = 0073-8

Approx conc in 100ml

g Na2S 0.5316 *mg/ mL =* 0.710

mL Standard =	1.00	1.00	1.00	
mL iodine =	3.00	3.00	3.00	
mL thiosulfate =	1.06	1.04	1.05	*stkconc (mg/mL)*
*Sulfide (mg/mL) = {[(mL iodine*ni)-(mL thio *nthio)]*16} / mL standard =*	0.70	0.70	0.70	**0.699**

Intermediate Standard

Add 1.8 *ml stk to* 50 *ml 0.01 M NaOH =* **0.025** **mg/mL**

5.0 Calibration Standard Curve — *spectrophotometer used*

Volume Intermediate (ml)	FINAL VOLUME (ml)	CONC (mg S/L)	ABSORBANCE @ 650 nm 1	2	Avg	
0.00	50	0.000	0.001		0.001	
0.10	50	0.050	0.032		0.032	*E 0.042*
0.25	50	0.126	0.073		0.073	*0.125*
0.50	50	0.252	0.146		0.146	*0.272*
1.00	50	0.503	0.275		0.275	*0.532*
2.00	50	1.007	0.501		0.501	*0.988*

REGRESSION DATA

intercept 0.011
slope 0.496
r= 0.9986

Comment: Calibration OK !

maxabs = 0.501

Calib Verif Std = *0.75* *ml int to* *50* *ml ZnOAc =* ***0.378*** *mg/L*

Distillation Std = *0.5* *ml Stk to* *50* *=* ***6.993*** *mg/L*

SAMPLE DATA — *enter dilution factor as ml final/mL sample*

SAMPLE ID	DISTILL DATA Sample Volume	Distill Volume (mL)	SPECTROPHOTOMETRIC DATA Dilution factor	ABS @ 650 nm	BKG ABS	Regressed Conc (mg S/L)	SAMPLE DATA Final Conc mg S/L		
Cal Blk		n/a	1.00	0.004		-0.014	**< 0.05**	*OK!*	
ICV		n/a	1.00	0.202		0.385	**0.38**	*101.94%*	
LR71 J			20.00	0.364		0.712	**14.2**		
LR71 J dup			20.00	0.383		0.750	**15.0**		*RPD=5.2%*
LS41 A36			1.00	0.757		1.505	**1.50**	*offscale dilute*	
LS41 A36 dup			1.00	0.783		1.557	**1.56**	*offscale dilute*	*RPD=3.4%*
LS41 A36 ms			1.00	0.899		1.791	**1.79**	*offscale dilute*	*56.9%*
Spike at	0.10	*ml int to*	5.00	*ml sample =*		0.50	*mg/l*		
LS41 B39	50.0		1.00	1.117		2.231	**2.23**	*offscale dilute*	
LS41 C16	50.0		1.00	1.367		2.735	**2.74**	*offscale dilute*	
Cal Blk	50.0	n/a	1.00	0.003		-0.017	**< 0.05**	*OK!*	
CCV	50.0	n/a	1.00	0.201		0.383	**0.38**	*101.40%*	

SAMPLE DATA *enter dilution factor as ml final/mL sample*

	DISTILL DATA		SPECTROPHOTOMETRIC DATA				SAMPLE DATA	
SAMPLE ID	Sample Volume	Distill Volume (mL)	Dilution factor	ABS @ 650 nm	BKG ABS	Regressed Conc (mg S/L)	**Final Conc mg S/L**	
LS41 A36			10.00	0.098		0.175	**1.75**	
LS41 A36 dup			10.00	0.093		0.165	**1.65**	*RPD=5.9%*
LS41 A36 ms			10.00	0.220		0.421	**4.21**	*97.8%*
Spike at	0.50	*ml int to*	5.00	*ml sample =*		2.52	*mg/l*	
LS41 B39			50.00	0.169		0.318	**15.9**	
LS41 B39 dup			50.00	0.162		0.304	**15.2**	*RPD=4.5%*
LS41 C16			50.00	0.100		0.179	**9.0**	
LS41 C16 dup			50.00	0.110		0.199	**10.0**	*RPD=10.7%*
Cal Blk	50.0	n/a	1.00	0.001		-0.021	**< 0.05**	*OK!*
CCV	50.0	n/a	1.00	0.216		0.413	**0.41**	*109.42%*
CCV	50.0	n/a	1.00	0.202		0.385	**0.38**	*101.94%*

Sulfide EPA 376.2 No: 888
Data Analyst: Mike Perkins Analyzed by: MAP
Comments: Date Analyzed: 10/ 5/07
Print Date: 10/ 5/07 12:16 Time Analyzed: 9:45

MAP 10-5-07

	ARI ID	SMP/DGST	DF	Raw	Calc	Q	RL	SPK	REC/RPD
1.	ICB		1.0	-0.014	< 0.05	U	0.050		
2.	ICVR		1.0	0.385	0.38		0.050	0.38	100.53
3.	LS41A	50.0 / 50.0	10.	0.175	1.75		0.500		
4.	LS41A DUP	50.0 / 50.0	10.	0.165	1.65		0.500		5.88
5.	LS41A MS	50.0 / 50.0	10.	0.421	4.21		0.500	2.52	97.62
6.	LS41B	50.0 / 50.0	50.	0.318	15.9		2.50		
7.	LS41B DUP	50.0 / 50.0	50.	0.304	15.2		2.50		4.50
8.	LS41C	50.0 / 50.0	50.	0.179	8.95		2.50		
9.	LS41C DUP	50.0 / 50.0	50.	0.199	9.95		2.50		10.58
10.	CCB		1.0	-0.021	< 0.05	U	0.050		
11.	CCVR		1.0	0.413	0.41		0.050	0.38	108.47

W
10-17-07

Original Run Filename: OM_10-16-2007_01-30-46PM.OMN created 10/16/2007 1:30:46 PM
Original Run Author's Signature: RR
Current Run Filename: 101607NH3A.omn last modified 10/16/2007 4:19:39 PM
Description: Default New Run
Standards made from ARI Stock# 0068-12

Sample	Cup No.	Channel 1 NH3 Conc. (mg N/L)	Channel 1 NH3 Area (Vs)	Detection Time	MANUAL DILUTION FACTOR	
STD 1.0	S1	1	38.3020	10/16/2007@1:31:49 PM		
STD 0.8	S2	0.8	30.1303	10/16/2007@1:33:00 PM		
STD 0.5	S3	0.5	18.3678	10/16/2007@1:34:11 PM		
STD 0.2	S4	0.2	7.3401	10/16/2007@1:35:21 PM		
STD 0.05	S5	0.05	1.3569	10/16/2007@1:36:31 PM		
STD 0.02	S6	0.02	0.4766	10/16/2007@1:37:43 PM		
STD 0.01	S7	0.01	0.2736	10/16/2007@1:38:54 PM		
BLANK	S8	0	0.0821	10/16/2007@1:40:05 PM		
ICV ERA 21017	9	0.5163	19.4490	10/16/2007@1:41:15 PM		% R = 103.26
Known Conc:		0.5				
Calibration:		Table/Fig. 1				
ICB	10	0.0099	0.0927	10/16/2007@1:47:12 PM		
Known Conc:		0				
LOW	11	0.0117	0.1604	10/16/2007@1:53:10 PM		% R = 117
Known Conc:		0.01				
FILTERBLK	12	0.0063	-0.0465	10/16/2007@1:59:08 PM		
LT50 A1	13	8.0598	30.5240	10/16/2007@2:00:18 PM	10.0000	
~~LS37 A1~~	~~14~~	~~-0.0381~~	~~-1.7436~~	~~10/16/2007@2:01:29 PM~~	-	
LS37 B1	15	0.4074	15.2870	10/16/2007@2:02:40 PM		
LS37 B1 DUP	15	0.4073	15.2843	10/16/2007@2:03:50 PM		% RPD = 0.02

LS37 B1	15	0.4091	15.3502	10/16/2007@2:05:01 PM	
LS37 B1 MS	16	0.9044	34.2861	10/16/2007@2:06:12 PM	
Spike Level:		0.5			
LS37 C1	19	0.1228	4.4062	10/16/2007@2:07:23 PM	
~~LS63 P3~~	~~20~~	~~-0.0466~~	~~-2.0672~~	~~10/16/2007@2:08:34 PM~~	-
CCV	17	0.5239	19.7407	10/16/2007@2:09:45 PM	
Known Conc:		0.5			
CCB	18	0.004	-0.1355	10/16/2007@2:15:43 PM	
Known Conc:		0			
~~LS37 A1~~	~~14~~	~~-0.0381~~	~~-1.7441~~	~~10/16/2007@2:21:40 PM~~	-
~~LS63 P3~~	~~20~~	~~-0.0444~~	~~-1.9854~~	~~10/16/2007@2:22:51 PM~~	-
LT50 B1	21	7.3981	27.9945	10/16/2007@2:24:03 PM	10.0000
LT50 C1	22	9.7908	37.1415	10/16/2007@2:25:14 PM	10.0000
~~LT50 D1~~	~~23~~	~~12.8715~~	~~48.9184~~	~~10/16/2007@2:26:26 PM~~	~~10.0000~~
~~LT50 E1~~	~~24~~	~~12.8734~~	~~48.9258~~	~~10/16/2007@2:27:38 PM~~	~~10.0000~~
LT50 F1	25	2.3402	8.6587	10/16/2007@2:28:48 PM	10.0000
LT50 G1	26	6.1293	23.1439	10/16/2007@2:30:01 PM	10.0000
LT50 H1	27	0.8884	3.1087	10/16/2007@2:31:13 PM	10.0000
~~LT50 I1~~	~~28~~	~~15.8127~~	~~60.1622~~	~~10/16/2007@2:32:25 PM~~	~~10.0000~~
CCV	17	0.5193	19.5664	10/16/2007@2:33:37 PM	
Known Conc:		0.5			
~~CCB~~	~~18~~	~~0.0110~~	~~0.1322~~	~~10/16/2007@2:39:33 PM~~	-
~~Known Conc:~~		~~0~~	-	-	-
~~LT50 J1~~	~~29~~	~~9.9800~~	~~37.8645~~	~~10/16/2007@2:45:41 PM~~	~~10.0000~~
~~Sample36~~	~~1~~	~~1.0141~~	~~38.4799~~	~~10/16/2007@2:47:08 PM~~	-
DI	36	0.0096	0.0778	10/16/2007@2:48:20 PM	

% R = 99.40
0.25 ml * 1000 ppm / 10 ml

% R = 104.78

% R = 103.86

LT50 L1	30	8.4585	32.0480	10/16/2007@2:49:31 PM	10.0000
~~LS37 A1 2X~~	~~31~~	~~-0.0591~~	~~-1.4174~~	~~10/16/2007@2:50:43 PM~~	~~2.0000~~
~~LS63 P3 2X~~	~~32~~	~~-0.0672~~	~~-1.5726~~	~~10/16/2007@2:51:55 PM~~	~~2.0000~~
LT50 D1	33	12.9634	24.4912	10/16/2007@2:53:06 PM	20.0000
LT50 D1 DUP	33	13.0139	24.5876	10/16/2007@2:54:18 PM	20.0000
LT50 E1	34	13.1240	24.7980	10/16/2007@2:55:30 PM	20.0000
LT50 I1	35	16.2626	12.1464	10/16/2007@2:56:41 PM	50.0000
CCV	17	0.5206	19.6151	10/16/2007@2:57:52 PM	
Known Conc:		0.5			
CCB	18	0.0092	0.0645	10/16/2007@3:03:50 PM	
Known Conc:		0			
LT50 J1	36	9.9688	18.7671	10/16/2007@3:09:49 PM	20.0000
LS37 A1 20X	37	0.0343	-0.2219	10/16/2007@3:11:02 PM	20.0000
LS63 P3 20X	38	-0.0082	-0.3033	10/16/2007@3:12:14 PM	20.0000
~~DI~~	~~39~~	~~0.0103~~	~~0.1057~~	~~10/16/2007@3:13:25 PM~~	-
DI	40	0.0066	-0.0367	10/16/2007@3:14:37 PM	
CCV	17	0.5112	19.2551	10/16/2007@3:20:34 PM	
Known Conc:		0.5			
~~CCB~~	~~18~~	~~0.0122~~	~~0.1777~~	~~10/16/2007@3:26:33 PM~~	-
~~Known Conc:~~		~~0~~	-	-	-

% RPD = 0.39

% R = 104.12

% R = 102.24

ANALYTICAL
RESOURCES
INCORPORATED

ANALYST NOTES

ARI Job No: LT50 Client Name: Anchor Env.

Parameter: NH_3 Client Project: _____

Samples not run with full QC due to limited volume.
Dup was run but not enough sample for a spike.

Analyst: _____ Date Analyzed: 10/16/01

6147F

Rev. 7
06/3/04

ANALYTICAL
RESOURCES
INCORPORATED

ANALYST NOTES

ARI Job No: LR71 (LT50) Client Name: _____

Parameter: Pore Water Sulfide Client Project: _____

No sample K — GeoTech unable to extract pore wate

No data, Samples H, L, G — very limited volume of highly turbid samples — no sulfide detected at dilutions used to reduce turbidity but could not differentiate from background

10/5

Samples originally received from GeoTech as LR71 — Samples were of varying turbidity and volume — Samples were split for sulfide and ammonia analysis — ammonia Samples given to Conventionals for analysis on Lachat -

Analyst: _____ Date Analyzed: _____

BIOLOGICAL ASSESSMENT OF SCOTT MILL SITE IN ANACORTES, WASHINGTON

NOVEMBER 2008

PREPARED FOR:
ANCHOR ENVIRONMENTAL, LLC
1605 Cornwall Avenue
Bellingham, WA 98225

PREPARED BY:
NEWFIELDS
PO Box 216
4729 View Drive
Port Gamble, Washington 98364

NEWFIELDS

1.0 INTRODUCTION

Anchor Environmental requested NewFields in Port Gamble, Washington to conduct three bioassays from a former Scott Paper Mill site operated by Kimberly-Clark in Anacortes, Washington. This was a supplemental sediment characterization to expand upon data from an assessment completed in 2007. The goal of the biological testing was to refine the SQS boundaries in areas with wood debris so that appropriate remediation efforts could be determined. This report presents the results of the biological evaluation of the sediment collected.

2.0 METHODS

This section summarizes the test methods that were followed for this biological characterization. Test methods followed guidance provided by the Puget Sound Estuary Program (PSEP 1995), the WDOE Sampling and Analysis Plan Appendix (Ecology 2008), and the various updates presented during the Annual Sediment Management Review meetings (SMARM). Sediment toxicity was evaluated using three standard PSEP bioassays, the 10-day amphipod test, the 20-day juvenile polychaete growth test, and the 48-96 hour larval development test.

2.1 Site Sample and Animal Receipt

Sediment samples were collected by Anchor Environmental on September 8, 2008 and were delivered directly to the NewFields laboratory on September 10, 2008. Bioassay samples were stored under nitrogen headspace in a walk-in cold room at 4 ± 2ºC in the dark. All tests were conducted within the eight week holding time.

Amphipods (*Eohaustorius estuarius*) were supplied by Northwestern Aquatic Sciences in Newport, Oregon. Animals were held in native sediment at 15°C prior to test initiation. Polychaetes (*Neanthes arenaceodentata)* were acquired from Don Reish in Alamitos, California and held in native sediment at 20°C. *Mytilus* sp. (mussel) broodstock were provided by Carlsbad Aquafarm in Carlsbad, California. Broodstock were held in unfiltered seawater from Hood Canal at 16°C prior to spawning.

Native *Eohaustorius* sediment from Newport, Oregon was also provided by Northwestern Aquatic Sciences for use in control replicates for the amphipod and polychaete tests.

Seawater for the tests was collected from Hood Canal and was then filtered through a 0.2-µm filter and diluted with deionized water to 28 ppt for use in the bioassays.

2.2 Bioassay Reference Sample Collection

Three reference sediments for the bioassays were collected by NewFields, two from Carr Inlet, Washington on September 12, 2008 and one from Sequim Bay, Washington on September 15, 2008. Reference stations were chosen from a list of commonly used sites and selected based on grain size. Samples were collected using a Van Veen grab sampler from the upper 10 cm of the sediment surface. Multiple grabs were necessary to collect enough sediment. Sediment was wet sieved in the field to determine appropriate grain

sizes. The two references from Carr Inlet were CR-1 (53% fines) and CR-22 (15% fines). The reference from Sequim Bay (SB Ref35) consisted of 35% fines. Sediment was stored in an insulated cooler in the field. Upon arrival at the NewFields laboratory, reference sediment was stored in a walk-in cold room at 4 ± 2ºC in the dark. The coordinates for the reference sites were as follows:

CR-1:	Latitude:	47º 20.04" N
	Longitude:	122º 39.88" W
CR-22:	Latitude:	47º 19.90" N
	Longitude:	122º 40.62" W
SB Ref35:	Latitude:	48º 04.13" N
	Longitude:	123º 02.24" W

2.3 Amphipod Bioassay

The 10-day acute toxicity test with *Eohaustorius estuarius* was initiated on October 3, 2008. To prepare the test exposures, approximately 175 mL of sediment was placed in clean, acid and solvent-rinsed 1-L glass jars, which were then filled with 750 mL of filtered seawater. Seven replicate chambers were prepared for each test treatment, the three reference sediments, and the native control sediment. Five of the replicates were used to evaluate sediment toxicity; the sixth and the seventh replicates were used to measure daily water quality, as well as porewater and overlying ammonia and sulfides at test initiation and termination. Total ammonia as nitrogen was monitored using an Orion meter fitted with an ammonia ion-specific probe. Total sulfides as S^{2-} were monitored using a HACH DR/4000V Spectrophotometer.

Test chambers were placed in randomly assigned positions in a 15°C water bath and allowed to equilibrate overnight. Trickle-flow aeration was provided to prevent dissolved oxygen concentrations from dropping below acceptable levels.

Immediately prior to test initiation, water quality parameters were measured in the surrogate chamber for each treatment. Dissolved oxygen (DO), temperature, salinity, and pH were then monitored in the surrogate chambers daily until test termination. Target test parameters were:

Dissolved Oxygen:	≥5.0 mg/L
Temperature:	15 ± 1°C
Salinity:	28 ± 1‰
pH:	7.8 ± 0.5 units

The test was initiated by randomly allocating 20 *E. estuarius* into each test chamber, ensuring that each of the amphipods successfully buried into the sediment. The 10-day amphipod bioassay was conducted as a static test with no feeding during the exposure period. Daily observations were made to note abnormalities on the sediment surface and

animal behavior (emergence). At test termination, sediment from each test chamber was sieved through a 0.5-mm screen and all recovered amphipods transferred into a plastic cup. The number of surviving and dead amphipods was then determined. A water-only, 4-day reference-toxicant test was conducted with cadmium chloride concurrently with the sediment test. The cadmium reference-toxicant test was used to ensure animals used in the test were healthy and of similar sensitivity to those tested previously at NewFields.

2.4 Juvenile Polychaete Growth Test

The 20-day polychaete growth bioassay was initiated on September 30, 2008. Test exposures were prepared using the same method as described for the amphipod bioassay. 175 mL of sediment and 750 mL of filtered seawater were placed in each 1-L glass jar. There were seven replicates per treatment, the control, and the three references. Five of those were test replicates, and the other two were used for water quality monitoring and to measure sulfide and ammonia levels at test initiation and termination. Total ammonia as nitrogen was monitored using an Orion meter fitted with an ammonia ion-specific probe. Total sulfides as S^{2-} were monitored using a HACH DR/4000V Spectrophotometer.

Test chambers were placed in randomly assigned positions in a water bath at 20°C and allowed to equilibrate overnight. Trickle-flow aeration was provided to prevent dissolved oxygen concentrations from dropping below acceptable levels. Water quality monitoring and observations were made daily and surface abnormalities and animal emergence were noted. Target test parameters were:

Dissolved Oxygen:	≥6.0 mg/L
Temperature:	20 ± 1°C
Salinity:	28 ± 1‰
pH:	8.0 ± 1.0 units

The test was initiated by randomly allocating five *N. arenaceodentata* into each test chamber, ensuring that each of the polychaetes successfully buried into the sediment. The 20-day test was conducted as a static-renewal test, with exchanges of 300 mL of water occurring every third day. *N. arenaceodentata* were fed every other day with 40 mg of TetraMarin® (approximately 8 mg dry weight per worm). Daily observations were made to note abnormalities on the sediment surface and animal behavior.

At test termination, sediment from each test chamber was sieved through a 0.5-mm screen and all recovered polychaetes were transferred into a plastic cup. Survival was recorded and worms were placed in pre-weighed foil boats and dried in a drying oven at 60°C for approximately 24 hours. Each weigh-boat was removed, cooled in a dessicator, and then weighed on a microbalance to 0.01 mg. Individual worm weight and growth rates were calculated. A water-only, 4-day reference-toxicant test was conducted with cadmium chloride concurrently with the sediment test. The cadmium reference-toxicant test was used to ensure animals used in the test were healthy and of similar sensitivity to prior tests.

2.5 Larval Developmental Bioassay

Test sediment was evaluated using the 48-96 hour acute toxicity test with the mussel, *Mytilus* sp. The larval test was initiated on October 22, 2008.

To prepare the test exposures, 18 g (±1 g) of test sediment were placed in clean, acid and solvent-rinsed 1-L glass jars, which were then filled to 900 mL with filtered seawater. Six replicate chambers were prepared for each test treatment and the three reference sediments. The six control replicates consisted of filtered seawater with no sediment. Five of the replicates were used to evaluate the test; the sixth replicate was used as a water quality surrogate. Each chamber was shaken for 10 seconds and then placed in predetermined randomly-assigned positions in a water bath at 16°C.

To collect gametes mussels were placed in clean seawater and acclimated at 12°C for approximately 20 minutes. The water bath temperature was then increased over a period of 15 minutes to 20°C. Mussels were held at 20°C and monitored for spawning individuals. Spawning females were removed from the water bath and placed in individual containers with seawater. Spawning males were removed and placed in a separate water bath with other males. Gametes from at least two males and one female were used to initiate the test. Egg-sperm solutions were periodically homogenized with a perforated plunger during the fertilization process. Approximately one hour after fertilization, embryo solutions were checked for fertilization rate. Only those embryo stocks with >90% fertilization were used to initiate the tests. Embryo solutions were rinsed free of excess sperm and then combined to create one embryo stock solution. Density of the embryo stock solution was determined by counting the number of embryos in a subsample of homogenized stock solution. This was used to determine the volume of embryo stock solution to deliver approximately 27,000 embryos to each test chamber.

The test was initiated by randomly allocating an aliquot of the embryo stock solution into each test chamber four hours after sediments were shaken and within two hours of egg fertilization. Embryos were held in suspension during initiation using a perforated plunger. The actual stocking density was 27.4 embryos/mL, within the target stocking density of 20 - 40 embryos/mL.

Dissolved oxygen, temperature, salinity, and pH were monitored daily in water quality surrogates to prevent loss or transfer of larvae by adhesion to water-quality probes. Overlying water ammonia and sulfides were measured on Day 0 and Day 3. Total ammonia as nitrogen was monitored using an Orion meter fitted with an ammonia ion-specific probe. Total sulfides as S^{2-} were monitored using a HACH DR/4000V Spectrophotometer. Target test parameters were:

Dissolved Oxygen:	≥4.0 mg/L
Temperature:	16 ± 1°C
Salinity:	28 ± 2‰
pH:	8.0 ± 0.5 units

The 48-96 hour test was conducted as a static test without aeration. The test was terminated approximately 69 hours after initiation, when 90% of the control larvae had achieved the prodissoconch I stage. At termination, the overlying seawater was decanted into a clean 1-L jar and mixed with a perforated plunger. From this container, a 10 mL subsample was transferred to a scintillation vial and preserved in 5% buffered formalin. Larvae were subsequently stained with a dilute solution of Rose Bengal in 70% alcohol to help visualization of larvae. The number of normal and abnormal larvae was enumerated using an inverted microscope. Normal larvae included all D-shaped prodissoconch I stage larvae. Abnormal larvae included abnormally shaped prodissoconch I larvae and all early stage larvae. A 48-hour water-only reference-toxicant test with copper sulfate was conducted concurrently with the sediment test.

2.6 Data Analysis and Quality Assurance / Quality Control (QA/QC)

All water quality and endpoint data were entered into Excel spreadsheets. Water quality parameters were summarized by calculating the mean, minimum, and maximum values for each test treatment. Endpoint data were calculated for each replicate and then mean values and standard deviations were determined for each test treatment. Data were also entered into EIM format for all three bioassays and submitted electronically to Anchor Environmental.

The endpoint used for the amphipod test was survival only, while both survival and growth were analyzed for the polychaete test. For the larval test, the normalized combined mortality and abnormality endpoint was used to evaluate the test sediment. This was based on the number of normal larvae in the treatment or reference divided by the number of normal larvae in the control, as defined in Ecology (2005).

All hand-entered data were reviewed for data entry errors, which were corrected prior to summary calculations. A minimum of 10% of all calculations and data sorting were reviewed for errors. Review counts were conducted on any apparent outliers.

Data reported as percent survival or mortality were transformed using an arcsine square root transformation prior to statistical analysis. All data were tested for normality using the Wilk-Shapiro test and equality of variance using Levene's test. Determinations of statistical significance were based on one-tailed Student's t-tests with an alpha of 0.05. A comparison of the larval endpoint, relative to the reference was made using an alpha level of 0.10. For samples failing to meet assumptions of normality, a Mann-Whitney test was conducted to determine significance. For those samples failing to meet the assumptions of normality and equality of variance, a t-test on Rankits was used.

For SMS suitability determinations, comparisons were made according to SAPA and Fox et al. (1998). Treatments were compared to one of the three references. The selected references were chosen to most closely match the grain size of the treatment. A summary of the grain size data is located in Appendix E.

3.0 RESULTS

The results of the sediment testing, including a summary of test results and water quality observations, are presented in this section. Data for each of the replicates, as well as laboratory benchsheets and statistical analyses are provided in the appendices.

3.1 Amphipod Bioassay

A summary of *E. estuarius* survival is presented in Table 1 and water quality observations are summarized in Table 2. Laboratory data sheets are included in Appendix A. Statistical results are located in Appendix D.

Mean percent survival in the controls was 98%, above the 90% acceptable limit. Mean survival in the reference treatments were also high: 100% in CR-1, 98% in CR-22, and 100% in SB Ref35. These all met the SMS (<25% mortality) performance criteria and indicated that the reference sediments were acceptable for suitability determination. Mean percentage survival in the test treatments ranged from 92-100% survival.

The LC50 for the cadmium reference-toxicant test was 9.37 mg Cd/L, which is within the control chart limits (3.48 to 11.79 mg Cd/L), indicating that the test organisms used in this study were of similar sensitivity to those previously tested at NewFields.

With the exception of minor deviations, water quality measurements were within target parameters during the test and remained within the tolerance ranges for this species. These deviations did not appear to have affected the test results as survival was above 90% in all treatments. Initial and final overlying and interstitial ammonia levels were well below the no observable effects concentrations (NOEC) for this species. Interstitial sulfide levels were elevated at test initiation in AN-SB-03 and AN-SB-07 treatments, which contained 7.3 and 10.0 mg/L respectively. Levels dropped to within acceptable parameters at test termination. These deviations did not affect test results as evidenced by the high survival rates.

3.2 Juvenile Polychaete Growth Test

A summary of *N. arenaceodentata* survival is presented in Table 3 and water quality observations are summarized in Table 4. Laboratory data sheets are included in Appendix B. Statistical results are presented in Appendix D.

Mean percent survival in the controls was 100%. Mean survival in references CR-1 and SB Ref35 were both 100%, and CR-22 had 96% survival. These were all above the SMS (<20% mortality) performance criteria indicating that the reference sediments were acceptable for suitability determination. Mean percentage survival in the test treatments ranged from 92-100% survival.

Mean individual growth weight (MIG) in the control was 0.73 mg/ind/day, above the performance criteria of 0.72 mg/ind/day. To pass performance standards a reference must be ≥ 80% of the control MIG. CR-1 was 87% (0.63 mg/ind/day), CR-22 was 100% (0.73 mg/ind/day), and SB Ref-35 was 80% (0.58 mg/ind/day). Thus all three references were

acceptable to use for treatment comparisons. MIG in the test treatments ranged from 0.45 – 0.74 mg/ind/day.

The LC50 for the cadmium reference-toxicant test was 5.55 mg Cd/L, which is within the control chart limits (2.44 to 17.27 mg Cd/L), indicating that the test organisms used in this study were of similar sensitivity to those previously tested at NewFields.

DO was above the minimum limit throughout the test with the exception of one control chamber (the water quality surrogate) that was found without air and the level had dropped to 2.2 mg/L on Day 18. Aeration was restored in this chamber and DO came back up immediately. Only minor deviations were observed otherwise during the test, and measurements were within the tolerance range for this species. Initial and final overlying and interstitial ammonia levels were well below the no observable effects concentrations (NOEC) for this species. However, interstitial sulfide levels were above the 3.4 mg/L recommended concentration at test initiation in three treatments (Kendall and Barton 2004). Measurements were 8.9, 16.3, and 14.1 mg/L in AN-SB-03, AN-SB-05, and AN-SB-07 respectively (Appendix Table B4). Sulfide levels fell to below NOEC levels during the test, and measurements at termination in all treatments were less than 1 mg/L. Sulfide levels do not appear to have affected the results illustrated by high survival and lack of statistically significant differences in growth relative to references.

3.3 Larval Development Bioassay

The summary of the test results from the *Mytilus* sp. test is presented in Table 5 and a summary of water quality observations is shown in Table 6. Data sheets are included in Appendix C. Statistical results are presented in Appendix D.

The larval test was validated by 5.9% mean combined mortality in the control treatment, within the acceptability criteria of 30%. Water quality parameters remained within the target limits throughout the test with the exception of a slight drop in temperature in some treatments to as low as 14.5°C. pH also dropped on Days 2 and 3 to as low as 7.2 mg/L. DO and salinity were within acceptable ranges.

The EC50 for the copper reference-toxicant test for proportion normal was 8.6 µg Cu/L, within the control chart limits (3.3 to 19.3 µg Cu/L). The results of the reference-toxicant test indicate that the test organisms used in this study were similar in sensitivity to those previously tested at NewFields. Ammonia and sulfide values in the test chambers were below the NOEC values for *Mytilus* sp.

Mean normalized combined mortality and abnormality (NCMA) in the reference sediments were 17.8%, 8.6%, and 28.2% for CR-1, CR-22, and SB Ref-35 respectively. They all fell within the performance criteria of 65% normal development (35% abnormal) relative to the control. Mean NCMA in the test treatments ranged from 11.0% to 45.5%.

4.0 Discussion

Sediments were evaluated based on Sediment Management Standards (SMS) criteria for the three bioassays. The biological criteria were based on both statistical significance (a

statistical comparison) and the degree of biological response (a numerical comparison). The SMS criteria used were from the Washington Department of Ecology Sampling and Analysis Plan Appendix (Ecology 2008). Suitability determinations were based on a comparison of responses observed in the test treatments versus those in the corresponding reference treatments. Tables 7 – 9 present the criteria results for each of the bioassays. Table 10 contains a summary of all three tests. For SMS comparisons, treatments were compared to the reference which most closely matched the grain size of sediment collected at a given station. AN-SB-01, AN-SB-02, and AN-SB-03 were compared to SB Ref35. AN-SB-04, AN-SB-05, and AN-SB-06 were compared to CR-22. AN-SB-07 was compared to CR-1 (Appendix E.1).

4.1 Amphipod Test Suitability Determination

Under the SMS program, a test treatment will fail SQS if mean mortality is statistically significantly higher than that of the reference treatment and mean mortality in the test sediment is >25%. Treatments fail CSL if the test treatment mortality is more than 30% greater than the reference sediment and a significant difference is found.

All treatments passed SQS and CSL criteria (Table 7).

4.2 Juvenile Polychaete Suitability Determination

SMS criteria states that a treatment fails SQS standards if MIG is less than 70% of the associated reference and a statistical difference exists. To pass CSL criteria the MIG of the treatment must be greater than 50% of the reference and not significantly different from the reference.

AN-SB-04 failed SQS criteria. All other treatments passed both SQS and CSL standards in this bioassay (Table 8).

4.3 Larval Test Suitability Determination

Larval test treatments fail SQS criteria if the percentage of normal larvae in the test treatment is significantly lower than that of the reference and if the normal larval development in the test treatment is less than 85% of the normal development in the reference. Treatments fail CSL criteria when a statistical difference is found between the treatment and the reference and if the control normalized development in the treatment is less than 70% of that observed in the control normalized reference.

Station AN-SB-05 failed SQS standards, while Station AN-SB-07 failed both SQS and CSL criteria. All other treatments passed the SMS criteria (Table 9).

REFERENCES

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Fox, D, DA Gustafson, and TC Shaw. 1998. Biostat Software for the Analysis of DMP/SMS. Presented at the 10th Annual Sediment Management Annual Review Meeting.

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Table 1. Summary of Test Results for the 10-day Acute Toxicity Test with *Eohaustorius estuarius.*

Treatment	Mean Percentage Survival	SD
Control	98	2.7
CR-1	100	0.0
CR-22	98	2.7
SB Ref-35	100	0.0
AN-SB-01	92	4.5
AN-SB-02	98	2.7
AN-SB-03	100	0.0
AN-SB-04	98	2.7
AN-SB-05	100	0.0
AN-SB-06	97	2.7
AN-SB-07	97	2.7

Table 2. Water Quality Summary for the 10-Day Acute Test with *Eohaustorius estuarius*.

Treatment	Dissolved Oxygen (mg/L)			Temperature (°C)			Salinity (ppt)			pH (units)		
	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max
Control	8.2	5.7	9.4	15.2	14.5	17.3	29.5	28.0	30.0	8.0	7.8	8.2
CR-1 Ref	8.0	5.6	9.4	15.1	14.1	17.3	29.5	28.0	30.0	8.0	7.9	8.1
CR-22 Ref	8.2	5.4	10.0	15.1	13.9	17.4	29.5	28.0	30.0	8.0	7.8	8.1
SB Ref-35	8.1	5.1	9.9	15.1	14.3	17.4	29.5	28.0	30.0	8.0	7.9	8.2
AN-SB-01	8.4	7.3	9.9	15.1	14.1	17.3	29.3	28.0	30.0	8.1	7.9	8.2
AN-SB-02	8.5	7.8	9.4	15.0	13.9	17.3	29.4	28.0	30.0	8.0	7.8	8.1
AN-SB-03	8.4	7.6	10.0	15.1	14.1	17.3	29.4	28.0	30.0	8.0	7.9	8.1
AN-SB-04	8.4	7.6	9.4	15.0	14.0	17.3	29.4	28.0	30.0	8.0	7.9	8.1
AN-SB-05	8.3	7.6	9.4	15.2	14.2	17.3	29.5	28.0	31.0	8.0	7.8	8.1
AN-SB-06	8.2	7.0	9.4	15.3	14.0	17.3	29.1	28.0	30.0	7.8	7.5	8.0
AN-SB-07	7.9	3.8	9.4	15.1	14.2	17.4	29.4	28.0	30.0	7.9	7.4	8.2

Table 3. Summary Endpoint Results for the 20-day Toxicity Test with *Neanthes arenaceodentata*

Treatment	Mean Percent Survival	SD	Mean Individual Biomass (mg)	SD	Mean Individial Growth Rate (mg/ind/d)	SD
Control	100	0.0	15.22	3.7	0.733	0.2
CR-1	100	0.0	13.25	4.9	0.634	0.2
CR-22	96	8.9	15.17	4.1	0.730	0.2
SB Ref-35	100	0.0	12.23	1.4	0.584	0.1
AN-SB-01	96	8.9	14.10	5.0	0.677	0.2
AN-SB-02	100	0.0	10.80	3.5	0.512	0.2
AN-SB-03	96	8.9	9.65	2.8	0.454	0.1
AN-SB-04	100	0.0	10.63	3.2	0.503	0.2
AN-SB-05	96	8.9	14.72	4.3	0.708	0.2
AN-SB-06	92	11.0	12.12	2.3	0.578	0.1
AN-SB-07	100	0.0	15.31	2.6	0.737	0.1

Table 4. Water Quality Summary Test Results for the 20-day Chronic Toxicity Test with *Neanthes arenaceodentata*

Treatment	Dissolved Oxygen (mg/L)			Temperature (°C)			pH (units)			Salinity (ppt)		
	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max
Control	7.1	2.2	8.8	20.1	18.8	20.9	7.9	7.6	8.1	28.4	28.0	30.0
CR-1	7.2	6.6	8.7	20.1	18.7	20.5	7.9	7.7	8.5	28.3	28.0	29.0
CR-22	7.3	6.5	8.7	20.1	18.6	20.5	7.9	7.6	8.0	28.3	28.0	30.0
SB Ref-35	7.2	6.6	8.8	20.0	18.5	20.4	7.9	7.7	8.1	28.4	28.0	30.0
AN-SB-01	7.3	6.5	8.7	20.2	18.8	20.5	8.1	7.7	8.4	28.6	28.0	30.0
AN-SB-02	7.2	6.7	8.7	20.2	18.9	20.6	8.1	7.8	8.3	28.3	28.0	29.0
AN-SB-03	7.0	6.4	8.5	20.2	18.6	20.5	8.0	7.7	8.2	28.4	28.0	30.0
AN-SB-04	7.3	6.3	9.0	20.1	18.6	20.6	8.2	7.8	8.4	28.5	28.0	29.0
AN-SB-05	7.3	6.4	8.8	19.9	18.5	20.4	7.9	7.5	8.1	28.5	28.0	30.0
AN-SB-06	7.3	6.7	8.8	20.2	18.8	20.4	8.0	7.6	8.2	28.4	28.0	29.0
AN-SB-07	7.2	6.0	8.8	20.2	18.8	20.5	8.0	7.6	8.2	28.5	28.0	29.0

Table 5. Summary of Test Results for the PSEP Larval Test with *Mytilus sp*.

Treatment	Mean Normal	Mean Percentage Combined Mortality	SD	Mean Percentage Mortality	SD	Mean Percentage Abnormal	SD
Control	233.4	5.9	3.7	2.7	2.2	3.9	0.5
CR-1	191.8	17.8	8.0	15.8	8.1	2.4	0.7
CR-22	214.2	8.6	7.5	7.2	7.6	1.6	1.0
SB Ref-35	167.6	28.2	3.9	25.2	3.8	4.0	0.9
AN-SB-01	187.0	19.9	5.3	13.2	4.0	7.8	2.5
AN-SB-02	205.2	12.1	6.7	9.5	6.8	2.8	0.7
AN-SB-03	179.0	23.3	7.6	19.3	7.9	5.0	1.8
AN-SB-04	207.8	11.0	4.9	8.9	4.8	2.3	0.9
AN-SB-05	176.6	24.3	3.5	15.4	4.8	10.5	1.3
AN-SB-06	186.2	20.2	6.6	13.5	7.5	7.8	2.3
AN-SB-07	127.2	45.5	5.2	20.1	4.8	31.6	8.4

Table 6. Water Quality Summary for the 48-96h Acute Test with *Mytilus* sp.

Treatment	Dissolved Oxygen (mg/L)			Temperature (°C)			Salinity (ppt)			pH (units)		
	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max
Control	8.7	7.0	10.5	15.4	14.7	16.6	27.5	27.0	28.0	7.7	7.6	7.8
CR-1 Ref	6.9	5.8	7.6	15.6	15.0	16.8	28.0	28.0	28.0	7.5	7.3	7.7
CR-22 Ref	8.6	7.5	10.1	15.5	14.9	16.6	28.0	28.0	28.0	7.7	7.5	7.8
SB Ref-35	6.8	5.8	7.7	15.3	14.5	16.1	27.8	27.0	28.0	7.6	7.4	7.7
AN-SB-01	7.7	6.4	8.9	15.4	14.8	16.1	27.8	27.0	28.0	7.6	7.5	7.7
AN-SB-02	7.0	5.6	7.6	15.1	14.6	16.1	27.8	27.0	28.0	7.6	7.4	7.7
AN-SB-03	5.6	0.0	7.8	11.3	0.0	15.4	21.0	0.0	28.0	5.7	0.0	7.7
AN-SB-04	6.5	5.5	7.1	15.5	14.8	16.3	28.0	28.0	28.0	7.6	7.4	7.7
AN-SB-05	6.0	0.0	8.6	11.4	0.0	15.6	20.8	0.0	28.0	5.6	0.0	7.6
AN-SB-06	6.8	5.9	7.1	15.5	14.7	16.8	27.5	27.0	28.0	7.6	7.3	7.7
AN-SB-07	6.6	5.7	7.3	15.5	14.8	16.7	28.0	28.0	28.0	7.5	7.2	7.6

Table 7. Performance Summary Results for the 10-Day Amphipod Test with *Eohaustorius estuarius.*

Treatment	Mean survival (%)	Statistically Less than Reference	M_T-M_R	Pass / Fail SQS?	Pass / Fail CSL?
Control	98	NA	NA	NA	NA
CR-1 Ref	100	NA	NA	NA	NA
CR-22 Ref	98	NA	NA	NA	NA
SB Ref-35	100	NA	NA	NA	NA
AN-SB-01	92	Yes	8%	Pass	Pass
AN-SB-02	98	No	2%	Pass	Pass
AN-SB-03	100	No	0%	Pass	Pass
AN-SB-04	98	No	0%	Pass	Pass
AN-SB-05	100	No	0%	Pass	Pass
AN-SB-06	97	No	1%	Pass	Pass
AN-SB-07	97	Yes	3%	Pass	Pass

SQS: Statistical Significance; M_T-M_R >25%

CSL: Statistical Significance; M_T-M_R >30%

Table 8. Performance Summary Results for the 20-Day Juvenile Polychaete Growth Test with *Neanthes arenaceodentata*.

Treatment	Survival (%)	Mean Individual Growth Rate (mg/ind/day)	Statistically Less than Associated Reference	MIG_T/MIG_R	Fails SQS?	Fails CSL?
Control	100	0.733	NA	NA	NA	NA
CR-1	100	0.634	NA	NA	NA	NA
CR-22	96	0.730	NA	NA	NA	NA
SB Ref35	100	0.584	NA	NA	NA	NA
AN-SB-01	96	0.677	No	1.16	Pass	Pass
AN-SB-02	100	0.512	No	0.88	Pass	Pass
AN-SB-03	96	0.454	Yes	0.78	Pass	Pass
AN-SB-04	100	0.503	Yes	0.69	Fail	Pass
AN-SB-05	96	0.708	No	0.97	Pass	Pass
AN-SB-06	92	0.578	No	0.91	Pass	Pass
AN-SB-07	100	0.737	No	1.16	Pass	Pass

SQS: Statistical Significance; $MIG_T < 0.7 * MIG_R$

CSL: Statistical Significance; $MIG_T < 0.5 * MIG_R$

Table 9. Performance Summary Results of the 48-96 Hour Larval Development Test with *Mytilus* sp.

Treatment	Normal Survival	Statistically Less than Associated Reference	$(N_T/N_C)/(N_R/N_C)$	Pass / Fail SQS?	Pass / Fail CSL?
Control	94.1	NA	NA	NA	NA
CR-1 Ref	82.2	NA	NA	NA	NA
CR-22 Ref	91.4	NA	NA	NA	NA
SB Ref-35	71.8	NA	NA	NA	NA
AN-SB-01	80.1	No	1.12	Pass	Pass
AN-SB-02	87.9	No	1.22	Pass	Pass
AN-SB-03	76.9	No	1.07	Pass	Pass
AN-SB-04	89.0	No	0.97	Pass	Pass
AN-SB-05	75.7	Yes	0.83	Fail	Pass
AN-SB-06	79.8	Yes	0.87	Pass	Pass
AN-SB-07	54.5	Yes	0.66	Fail	Fail

SQS: Statistical Significance and $N_{CT}<0.85*N_{CR}$

CSL: Statistical Significance and $N_{CT}<0.70*N_{CR}$

Table 10. Summary of SMS Suitability Criteria for the PSEP Bioassays

Treatment	Amphipod		Polychaete		Larval	
	Pass SQS?	Pass CSL?	Pass SQS?	Pass CSL?	Pass SQS?	Pass CSL?
AN-SB-01	Pass	Pass	Pass	Pass	Pass	Pass
AN-SB-02	Pass	Pass	Pass	Pass	Pass	Pass
AN-SB-03	Pass	Pass	Pass	Pass	Pass	Pass
AN-SB-04	Pass	Pass	Fail	Pass	Pass	Pass
AN-SB-05	Pass	Pass	Pass	Pass	Fail	Pass
AN-SB-06	Pass	Pass	Pass	Pass	Pass	Pass
AN-SB-07	Pass	Pass	Pass	Pass	Fail	Fail

BIOLOGICAL ASSESSMENT OF SEDIMENT FROM KIMBERLY- CLARK PAPER MILL, ANACORTES, WASHINGTON

JANUARY 2008

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1.0 INTRODUCTION

Anchor Environmental requested NewFields Northwest LLC, in Port Gamble, Washington to evaluate sediment from a paper mill site operated by Kimberly-Clark in Anacortes, Washington. Wood waste is a concern at the mill, and sampling was conducted to assess whether cleanup action needs to be taken at this site with respect to Sediment Management Standards (SMS) criteria. This report presents the results of the biological evaluation of the sediment collected.

2.0 METHODS

This section summarizes the test methods that were followed for this biological characterization. Test methods followed guidance provided by the Puget Sound Estuary Program (PSEP 1995), the WDOE Sampling and Analysis Plan Appendix (SAPA), and the various updates presented during the Annual Sediment Management Review meetings (SMARM). Sediment toxicity was evaluated using two standard PSEP bioassays, the 10-day amphipod test and the 48-96 hour larval development test, as well as a benthic community analysis.

2.1 Site Sample and Animal Receipt

Bioassay and benthic samples were collected by Anchor Environmental on September 28, 2007 and were delivered directly to the NewFields laboratory on September 29, 2007. Bioassay samples were stored in a walk-in cold room at 4 ± 2ºC in the dark, and both tests were conducted within the eight week holding time.

Benthic community samples were received preserved in buffered 10% formalin in seawater. Benthic samples were transferred to 70% ethanol in seawater on October 8, 2007 and delivered to Dr. Sandy Lipovski in BC, Canada for enumeration and identification to the lowest possible taxonomic level.

Amphipods (*Ampelisca abdita*) were supplied by Brezina & Associates in Dillon Beach, California. Animals were held in native sediment at 20°C prior to test initiation. *Mytilus galloprovincialis* (mussel) broodstock were provided by two different suppliers, Taylor Shellfish Farms in Quilcene, Washington and Marine Research & Educational Products in Carlsbad, California. Broodstock were held in unfiltered seawater at 15°C from Hood Canal prior to spawning.

Native *Ampelisca* sediment from Dillon Beach, California was also provided by Brezina & Associates for use in control replicates for the amphipod test.

Seawater from Hood Canal was filtered through a 0.45-µm filter and diluted with deionized water to 28 ppt for use in the bioassays.

2.2 Bioassay Reference Sample Collection

Reference sediment for the bioassays was collected from Sequim Bay by NewFields on October 4, 2007. Samples were collected using a Van Veen grab sampler from the upper 10 cm of the sediment surface. Multiple grabs were necessary to collect enough sediment.

Sediment was stored in an insulated cooler in the field. Upon arrival at the NewFields laboratory, reference sediment was stored in a walk-in cold room at 4 ± 2ºC in the dark.

2.3 10-day Amphipod Bioassay

The 10-day acute toxicity test with *Ampelisca abdita* was initiated on November 6, 2007. To prepare the test exposures, approximately 175 mL of sediment were placed in clean, acid and solvent-rinsed 1-L glass jars, which were then filled with 750 mL of filtered seawater. Seven replicate chambers were prepared for each test treatment, the Sequim Bay reference sediment, and the native control sediment. Five of the replicates were used to evaluate sediment toxicity; the sixth and the seventh replicates were used to measure daily water quality, as well as porewater and overlying ammonia and sulfides at test initiation and termination. Total ammonia as nitrogen was monitored using an Orion meter fitted with an ammonia ion-specific probe. Total sulfides as S^{2-} were monitored using a HACH DR/4000V Spectrophotometer.

Test chambers were placed in randomly assigned positions in a 20°C water bath and allowed to equilibrate overnight. Trickle-flow aeration was provided to prevent dissolved oxygen concentrations from dropping below acceptable levels.

Immediately prior to test initiation, water quality parameters were measured in the surrogate chamber for each treatment. Dissolved oxygen (DO), temperature, pH, and salinity were then monitored in the surrogate chambers daily until test termination. Target test parameters were:

Dissolved Oxygen:	≥4.6 mg/L
pH:	8.0 ± 1.0 units
Temperature:	20 ± 1°C
Salinity:	28 ± 1‰

The test was initiated by randomly allocating 20 *A. abdita* into each test chamber, ensuring that each of the amphipods successfully buried into the sediment. The 10-day amphipod bioassay was conducted as a static test with no feeding during the exposure period. At test termination, sediment from each test chamber was sieved through a 0.5-mm screen and all recovered amphipods transferred into a Petri dish. The number of surviving and dead amphipods was then determined under a dissecting microscope. A water-only, 4─day reference-toxicant test was conducted concurrently with the sediment test with cadmium chloride. The cadmium reference-toxicant test was used to ensure animals used in the test were healthy and of similar sensitivity to prior tests.

2.4 Larval Developmental Bioassay

Test sediment was evaluated using the 48-96 hour acute toxicity test with the mussel, *Mytilus galloprovincialis*. The larval test was initiated on November 14, 2007.

To prepare the test exposures, 18 g (±1 g) of test sediment was placed in clean, acid and solvent-rinsed 1-L glass jars, which were then filled to 900 mL with filtered seawater. Six replicate chambers were prepared for each test treatment and the Sequim Bay reference

sediment. The six control replicates consisted of filtered seawater. Five of the replicates were used to evaluate the test; the sixth replicate was used as a water quality surrogate. Each chamber was shaken for 10 seconds and then placed in predetermined randomly-assigned positions in a water bath at 16°C.

To collect gametes for each test, mussels were placed in clean seawater and acclimated at 12°C for approximately 20 minutes. The water bath temperature was then increased over a period of 15 minutes to 20°C. Mussels were held at 20°C and monitored for spawning individuals. Spawning females were removed from the water bath and placed in individual containers with seawater. Spawning males were removed and placed in a separate water bath with other males. Gametes from at least two males and one female were used to initiate the test. Egg-sperm solutions were periodically homogenized with a perforated plunger during the fertilization process. Approximately one hour after fertilization, embryo solutions were checked for fertilization rate. Only those embryo stocks with >90% fertilization were used to initiate the tests. Embryo solutions were rinsed free of excess sperm and then combined to create one embryo stock solution. Density of the embryo stock solution was determined by counting the number of embryos in a subsample of homogenized stock solution. This was used to determine the volume of embryo stock solution to deliver approximately 27,000 embryos to each test chamber.

The test was initiated by randomly allocating an aliquot of the embryo stock solution into each test chamber four hours after sediments were shaken and within two hours of egg fertilization. Embryos were held in suspension during initiation using a perforated plunger. The actual stocking density was 22.5 embryos/mL, within the target stocking density of 20 - 40 embryos/mL.

Dissolved oxygen, temperature, pH, and salinity were monitored daily in water quality surrogates to prevent loss or transfer of larvae by adhesion to water-quality probes. Overlying water ammonia and sulfides were measured on Day 0 and Day 2. Total ammonia as nitrogen was monitored using an Orion meter fitted with an ammonia ion-specific probe. Total sulfides as S^{2-} were monitored using a HACH DR/4000V Spectrophotometer. Target test parameters were:

Dissolved Oxygen:	≥4.0 mg/L
pH:	8.0 ± 0.5 units
Temperature:	16 ± 1°C
Salinity:	28 ± 2‰

The 48-96 hour test was conducted as a static test without aeration. The test was terminated approximately 48 hours after initiation, when 90% of the control larvae had achieved the prodissoconch I stage. At termination, the overlying seawater was decanted into a clean 1-L jar and mixed with a perforated plunger. From this container, a 10 mL subsample was transferred to a scintillation vial and preserved in 5% buffered formalin. Larvae were subsequently stained with a dilute solution of Rose Bengal in 70% alcohol to help visualization of larvae. The number of normal and abnormal larvae was enumerated on an inverted microscope. Normal larvae included all D-shaped prodissoconch I stage larvae. Abnormal larvae included abnormally shaped prodissoconch I larvae and all early

stage larvae. A 48-hour water-only reference-toxicant test with copper sulfate was conducted concurrently with the sediment test.

2.5 Benthic Community Analysis

There were five replicates for each station, including the reference, and each sample was sieved through standard nested 3 mm and 0.5 mm sieves to separate the larger bark/pebble fraction from the finer fraction. The material retained on the 3 mm sieve was rinsed into a sorting tray and examined under a 10X magnifying light. The samples were then viewed under a dissecting microscope to confirm that all invertebrates were removed. The fraction from the 0.5mm standard sieve was sorted under a dissecting microscope.

Animals from each station were sorted into glass vials by taxonomic groups including polychaetes, oligochaetes, mollusks, crustaceans, echinoderms, nematodes, and a miscellaneous group. After sorting was complete, all animals were identified to the lowest possible taxonomic level by a regional expert.

2.6 Data Analysis and Quality Assurance / Quality Control (QA/QC)

All water quality and endpoint data were entered into Excel spreadsheets. Water quality parameters were summarized by calculating the mean, minimum, and maximum values for each test treatment. Endpoint data were calculated for each replicate and then mean values and standard deviations were determined for each test treatment.

All hand-entered data was reviewed for data entry errors, which were corrected prior to summary calculations. A minimum of 10% of all calculations and data sorting were reviewed for errors. Review counts were conducted on any apparent outliers.

For the larval test, the normalized combined mortality and abnormality endpoint was used to evaluate the test sediment. This was based on the number of normal larvae in the treatment or reference divided by the number of normal larvae in the control, as defined in Ecology (2005).

For SMS suitability determinations, comparisons were made according to SAPA and Fox et al. (1998). All data were tested for normality using the Wilk-Shapiro test and equality of variance using Levene's test. Determinations of statistical significance were based on one-tailed Student's t-tests with an alpha of 0.05. A comparison of the larval endpoint, relative to the reference was made using an alpha level of 0.10. For samples failing to meet assumptions of normality, a Mann-Whitney test was conducted to determine significance. For those samples failing to meet the assumptions of normality and equality of variance, a t-test on rankits was used.

For the benthic enumerations, at least 20 percent of the sorted residue was resorted for QA. Samples that did not pass a 95% QA criteria were resorted and inspected in a second QA. Representative substrate aliquots of each sorted sample were archived into 100 ml containers.

3.0 RESULTS

The results of the sediment testing and the benthic community analysis, including a summary of test results and water quality observations, are presented in this section. Data for each of the replicates, as well as laboratory benchsheets are provided in the appendices.

3.1 10-day Amphipod Bioassay

A summary of *A. abdita* survival is presented in Table 1 and water quality observations are summarized in Table 2. Statistical results and laboratory data sheets are included in Appendix A.

Mean percent survival in the controls was 96%, above the 90% acceptable limit. Mean survival in the reference treatments was 85%, which met the SMS (<25% mortality) performance criteria and indicated that the reference sediment was acceptable for suitability determination. Mean percentage survival in the test treatments ranged from 66-90% survival.

The LC50 for the cadmium reference-toxicant test was 0.24 mg Cd/L, which is within the control chart limits (0.18 to 0.61 mg Cd/L), indicating that the test organisms used in this study were of similar sensitivity to those previously tested at NewFields.

Dissolved oxygen, temperature, and pH remained within acceptable limits throughout the test. Salinity was slightly higher (1-2 ppt) than the target limits in all treatments, controls, and references; however, it was within the tolerance range for this species. Initial and final interstitial ammonia and sulfide levels were well below the no observable effects concentrations (NOEC) for this species.

3.2 Larval Development Bioassay

The summary of the test results from the *Mytilus galloprovincialis* test is presented in Table 3 and a summary of water quality observations is shown in Table 4. Statistical results and data sheets are included in Appendix B.

The larval test was validated by 26.6% mean combined mortality in the control treatment, within the acceptability criteria of 30%. Water quality parameters remained within the target limits throughout the 48-hour test with the exception of a drop in pH on the day of initiation to 7.2. The low mortality rates suggest that this drop did not have an adverse effect on the test.

The EC50 for the copper reference-toxicant test for proportion normal was 3.9 µg Cu/L, within the control chart limits (2.6 to 14.9 µg Cu/L). The results of the reference-toxicant test indicate that the test organisms used in this study were similar in sensitivity to those previously tested at NewFields. Ammonia and sulfide values detected in the test chambers were below the NOEC values for *M. galloprovincialis*.

Mean normalized combined mortality and abnormality (NCMA) in the reference sediment was 25.9%, within the performance criteria of 65% normal development (35% abnormal), relative to the control. Mean NCMA in the test treatments ranged from 4.3% to 34.8%.

3.3 Benthic Community Analysis

The benthic enumeration is summarized in Table 5. A complete list of species present at each station is included in Appendix C. The reference samples contained little sand, and debris consisted mainly of empty polychaete tubes, including Chaetopteridae. The reference site was dominated by mollusks and annelids, comprising 43.6% and 39.6% of the total individuals, respectively.

Wood debris was present in all of the treatments, and nematodes dominated all of the stations with the exception of SS-10. At SS-01 and SS-02 nematodes comprised 50.3% and 60.9% of the total population, respectively. Stations SS-03, SS-07, and SS-11 were dominated by nematodes and annelid worms in approximately equal percentages. SS-10 was the only station primarily dominated by annelid worms, including both polychaetes and oligochaetes, which made up 52.6% of the population.

4.0 DISCUSSION

Sediments were evaluated based on Sediment Management Standards (SMS) criteria for the two bioassays and the benthic enumeration. The biological criteria were based on both statistical significance (a statistical comparison) and the degree of biological response (a numerical comparison). The SMS criteria were derived from the Washington Department of Ecology Sampling and Analysis Plan Appendix (WDOE 2003). Suitability determinations were based on a comparison of responses observed in the test treatments versus those in the reference treatments. Tables 6 – 8 present the criteria results for each of the bioassays and the benthic enumeration. Table 9 contains a summary of all three analyses.

4.1 Amphipod Test Suitability Determination

Under the SMS program, a test treatment will fail SQS if mean mortality is statistically significantly higher than that of the reference treatment; and mean mortality in the test sediment is >25%. Treatments fail the CSL if the test treatment mortality is more than 30% greater than the reference sediment.

Relative to the Sequim Bay reference, mortality at stations SS-01 and SS-03 were statistically significant. Survival in SS-01 and SS-03 treatments failed to meet SQS, but all treatments passed CSL criteria (Table 6).

4.2 Larval Test Suitability Determination

Larval test treatments fail SQS criteria if the percentage of abnormal larvae in the test treatment is significantly higher than that of the reference and if the normal larval development in the test treatment is at least 85% of the normal development in the reference. Treatments fail CSL criteria if the normal development is less than 70% of the response observed in the reference.

Station SS-11 was significantly different from the reference and failed the numeric thresholds for both SQS and CSL criteria. However, no significant differences were observed in development in the other treatments relative to the Sequim Bay reference (Table 7).

4.3 Benthic Community Suitability Determination

Benthic samples fail SQS criteria if the treatment has less than 50% of the reference station mean abundance for any of the three major taxonomic groups (polychaetes, mollusks, or crustaceans) and if the abundance for any of the three major taxa in a treatment is statistically different from the reference station abundances.

Table 8 presents a summary of the SQS determination for the benthic community analysis. All stations were statistically different than the SS-Ref samples in at least one of the taxonomic comparison groups. With the exception of SS-10, all stations failed the numerical comparison criteria in mollusk abundance, and stations SS-01, SS-03, and SS-07 also failed in polychaete abundance in relation to the reference.

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Table 1. Survival Results for the 10-day Acute Toxicity Test with *Ampelisca abdita.*

Treatment	Replicate	Number Initiated	Number Surviving	Number Missing or Dead	Percentage Survival	Mean Percentage Survival	SD
Control	1	20	19	1	95		
	2	20	19	1	95		
	3	20	20	0	100		
	4	20	18	2	90		
	5	20	20	0	100	96.0	4.2
Sequim Bay Reference	1	20	17	3	85		
	2	20	16	4	80		
	3	20	17	3	85		
	4	20	18	2	90		
	5	20	17	3	85	85.0	3.5
SS-01	1	20	17	3	85		
	2	20	8	12	40		
	3	20	17	3	85		
	4	20	14	6	70		
	5	20	10	10	50	66.0	20.4
SS-02	1	20	20	0	100		
	2	20	17	3	85		
	3	20	18	2	90		
	4	20	17	3	85		
	5	20	18	2	90	90.0	6.1
SS-03	1	20	16	4	80		
	2	20	15	5	75		
	3	20	16	4	80		
	4	20	10	10	50		
	5	20	17	3	85	74.0	13.9
SS-07	1	20	14	6	70		
	2	20	12	8	60		
	3	20	17	3	85		
	4	20	14	6	70		
	5	20	18	2	90	75.0	12.2
SS-10	1	20	20	0	100		
	2	20	13	7	65		
	3	20	16	4	80		
	4	20	16	4	80		
	5	20	15	5	75	80.0	12.7
SS-11	1	20	15	5	75		
	2	20	10	10	50		
	3	20	16	4	80		
	4	20	16	4	80		
	5	20	18	2	90	75.0	15.0

Table 2. Water Quality Summary for the 10-Day Acute Test with *Ampelisca abdita*.

Treatment	Dissolved Oxygen (mg/L)			Temperature (°C)			pH (units)			Salinity (ppt)		
	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max
Control	7.7	7.4	7.9	19.6	18.8	20.4	8.0	7.7	8.2	30.0	29.0	31.0
Sequim Bay Reference	7.7	7.5	7.9	19.7	19.1	20.4	8.0	7.9	8.1	30.1	29.0	31.0
SS-01	7.7	7.5	7.9	19.7	19.2	20.5	8.2	8.0	8.4	30.1	29.0	31.0
SS-02	7.7	7.5	7.9	19.7	19.2	20.4	8.2	8.0	8.4	29.9	29.0	31.0
SS-03	7.6	7.4	7.8	19.4	18.5	20.4	8.1	7.8	8.3	29.7	29.0	31.0
SS-07	7.6	7.4	7.9	19.6	19.2	20.4	8.1	7.9	8.4	29.7	29.0	31.0
SS-10	7.7	7.5	7.9	19.7	19.2	20.5	8.2	7.9	8.4	29.7	29.0	31.0
SS-11	7.7	7.5	7.9	19.8	19.3	20.5	8.1	7.9	8.2	29.9	29.0	31.0

Table 3. Test Results for the PSEP Larval Test with *Mytilus galloprovincialis*

Treatment	Replicate	Normal	Abnormal	Total	Percent Combined Mortality	Percent Mortality	Percent Abnormal	Mean Percentage Combined Mortality	SD	Mean Percentage Mortality	SD	Mean Percentage Abnormal	SD
	1	221	13	234	23.5	19.0	5.6						
	2	190	14	204	34.2	29.4	6.9						
Control	3	212	17	229	26.6	20.7	7.4						
	4	215	14	229	25.6	20.7	6.1						
	5	222	15	237	23.1	17.9	6.3	26.6	4.5	21.5	4.5	6.5	0.7
	Mean	**212.0**											
	1	158	3	161	25.5	24.1	1.9						
	2	168	5	173	20.8	18.4	2.9						
Sequim Bay	3	130	6	136	38.7	35.8	4.4						
Reference	4	96	3	99	54.7	53.3	3.0						
	5	189	4	193	10.8	9.0	2.1	30.1	17.0	28.1	17.1	2.9	1.0
	Mean	**148.2**											
	1	153	2	155	27.8	26.9	1.3						
	2	115	2	117	45.8	44.8	1.7						
SS-01	3	162	1	163	23.6	23.1	0.6						
	4	150	2	152	29.2	28.3	1.3						
	5	143	1	144	32.5	32.1	0.7	31.8	8.4	31.0	8.3	1.1	0.5
	Mean	**144.6**											
	1	167	5	172	21.2	18.9	2.9						
	2	80	0	80	62.3	62.3	0.0						
SS-02	3	169	4	173	20.3	18.4	2.3						
	4	162	3	165	23.6	22.2	1.8						
	5	200	6	206	5.7	2.8	2.9	26.6	21.1	24.9	22.2	2.0	1.2
	Mean	**155.6**											
	1	148	0	148	30.2	30.2	0.0						
	2	188	1	189	11.3	10.8	0.5						
SS-03	3	169	2	171	20.3	19.3	1.2						
	4	144	4	148	32.1	30.2	2.7						
	5	190	3	193	10.4	9.0	1.6	20.8	10.2	19.9	10.2	1.2	1.0
	Mean	**167.8**											

Table 3. Test Results for the PSEP Larval Test with *Mytilus galloprovincialis*

Treatment	Replicate	Normal	Abnormal	Total	Percent Combined Mortality	Percent Mortality	Percent Abnormal	Mean Percentage Combined Mortality	SD	Mean Percentage Mortality	SD	Mean Percentage Abnormal	SD
	1	154	2	156	27.4	26.4	1.3						
	2	165	3	168	22.2	20.8	1.8						
SS-07	3	173	2	175	18.4	17.5	1.1						
	4	146	2	148	31.1	30.2	1.4						
	5	218	3	221	**0.0**	**0.0**	1.4	19.8	12.1	19.0	11.7	1.4	0.2
	Mean	**171.2**											
	1	164	3	167	22.6	21.2	1.8						
	2	216	3	219	**0.0**	**0.0**	1.4						
SS-10	3	180	2	182	15.1	14.2	1.1						
	4	197	3	200	7.1	5.7	1.5						
	5	210	21	231	0.9	**0.0**	9.1	9.2	9.7	8.2	9.3	3.0	3.4
	Mean	**193.4**											
	1	122	51	173	42.5	18.4	29.5						
	2	77	56	133	63.7	37.3	42.1						
SS-11	3	103	71	174	51.4	17.9	40.8						
	4	87	3	90	59.0	57.5	3.3						
	5	78	9	87	63.2	59.0	10.3	55.9	9.0	38.0	20.1	25.2	17.7
	Mean	**93.4**											

Stocking Density = 22.5 embryos/mL

Table 4. Water Quality Summary for the 48-h Acute Test with *Mytilus galloprovincialis*

Treatment	Dissolved Oxygen (mg/L)			Temperature (°C)			pH (units)			Salinity (ppt)		
	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max
Control	7.1	6.9	7.3	15.8	15.2	16.2	7.4	7.2	7.6	28.7	28.0	29.0
Sequim Bay Reference	6.4	6.2	6.7	15.4	15.2	15.9	7.5	7.3	7.6	29.0	29.0	29.0
SS-01	5.5	5.3	5.6	15.6	15.4	15.8	7.4	7.3	7.4	29.0	29.0	29.0
SS-02	5.7	5.5	5.8	15.2	15.1	15.3	7.4	7.2	7.5	29.0	29.0	29.0
SS-03	5.6	5.3	5.8	15.4	15.2	15.5	7.4	7.3	7.5	29.0	29.0	29.0
SS-07	5.5	5.2	5.8	15.2	15.1	15.2	7.5	7.3	7.6	29.0	29.0	29.0
SS-10	5.6	5.3	5.9	15.2	15.1	15.3	7.4	7.2	7.6	29.0	29.0	29.0
SS-11	5.6	5.4	5.8	15.3	15.3	15.4	7.3	7.2	7.4	29.0	29.0	29.0

Table 5. Benthic Community Summary by Major Taxa

Station	Taxonomic Group	Total Animals per Taxa	Total Animals	Abundance by Station (# Animals/m^2)	Abundance by Taxa (# Animals/m^2)	% of Total Abundance
SS-REF	Arthropods	11			110	1.9
SS-REF	Miscellaneous	86			860	14.9
SS-REF	Mollusks	251			2510	43.6
SS-REF	Annelids	228	576	5760	2280	39.6
SS-01	Arthropods	43			430	25.7
SS-01	Mollusks	17			170	10.2
SS-01	Miscellaneous	85			850	50.9
SS-01	Annelids	22	167	1670	220	13.2
SS-02	Arthropods	96			960	12.3
SS-02	Mollusks	31			310	4.0
SS-02	Miscellaneous	476			4760	60.9
SS-02	Annelids	179	782	7820	1790	22.9
SS-03	Arthropods	116			1160	19.5
SS-03	Mollusks	39			390	6.5
SS-03	Miscellaneous	254			2540	42.6
SS-03	Annelids	187	596	5960	1870	31.4
SS-07	Arthropods	11			110	3.4
SS-07	Mollusks	73			730	22.3
SS-07	Miscellaneous	135			1350	41.3
SS-07	Annelids	108	327	3270	1080	33.0
SS-10	Arthropods	132			1320	8.4
SS-10	Mollusks	133			1330	8.5
SS-10	Miscellaneous	477			4770	30.4
SS-10	Annelids	825	1567	15670	8250	52.6
SS-11	Arthropods	8			80	2.4
SS-11	Mollusks	51			510	15.0
SS-11	Miscellaneous	153			1530	45.0
SS-11	Annelids	128	340	3400	1280	37.6

Table 6. SMS Suitability Criteria for *Ampelisca abdita* Bioassay

Treatment	Statistically Less than Sequim Bay Reference?	Mortality (%)	Pass SQS?	$Mortality_{Treatment}$ - $Mortality_{Reference}$ (%)	Pass CSL?
Control	—	4	—	—	—
Sequim Bay Reference	—	15	—	—	—
SS-01	Yes	34	Fail	19	Pass
SS-02	No	10	Pass	-5	Pass
SS-03	Yes	26	Fail	11	Pass
SS-07	No	25	Pass	10	Pass
SS-10	No	20	Pass	5	Pass
SS-11	No	25	Pass	10	Pass

SQS: Mortality > 25%

CSL: $Mortality_{Treatment}$ - $Mortality_{Reference}$ > 30%

Table 7. SMS Suitability Criteria for *Mytilus galloprovincialis* Bioassay

Treatment	Mean NCMA (%)	Statistically Less than Sequim Bay Reference?	$NCMA_{Treatment}$ / $NCMA_{Reference}$ (%)	Pass SQS?	Pass CSL?
Control	26.6	—	—	—	—
Sequim Bay Reference	30.1	—	—	—	—
SS-01	31.8	No	97.6	Pass	Pass
SS-02	26.6	No	105.0	Pass	Pass
SS-03	20.8	No	113.3	Pass	Pass
SS-07	19.8	No	115.6	Pass	Pass
SS-10	9.2	No	130.5	Pass	Pass
SS-11	55.9	Yes	62.9	Fail	Fail

SQS: $NCMA_{Treatment}$ / $NCMA_{Reference}$ < 85%

CSL: $NCMA_{Treatment}$ / $NCMA_{Reference}$ < 70%

Table 8. SQS Suitability Criteria for Benthic Community Analysis

Station	Class / Phylum	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Mean	Statistically Different from Reference?	Mean Abundance$_{Treatment}$ (#Animals/m^2)	Allowed 50% of Mean Abundance$_{Reference}$ (#Animals/m^2)	Pass SQS?
SS-REF	Crustacea	1	2	3	4	1	2.2	–	22	–	–
SS-REF	Mollusca	52	34	41	66	58	50.2	–	502	–	–
SS-REF	Polychaeta	46	46	47	49	40	45.6	–	456	–	–
SS-01	Crustacea	16	6	10	5	6	8.6	No	86	> 11	Pass
SS-01	Mollusca	3	6	4	2	2	3.4	Yes	34	> 251	Fail
SS-01	Polychaeta	10	0	8	2	0	4	Yes	40	> 228	Fail
SS-02	Crustacea	58	19	8	6	5	19.2	No	192	> 11	Pass
SS-02	Mollusca	8	7	2	6	8	6.2	Yes	62	> 251	Fail
SS-02	Polychaeta	33	12	81	14	19	31.8	No	318	> 228	Pass
SS-03	Crustacea	40	7	22	7	40	23.2	No	232	> 11	Pass
SS-03	Mollusca	3	3	8	18	7	7.8	Yes	78	> 251	Fail
SS-03	Polychaeta	7	3	14	9	15	9.6	Yes	96	> 228	Fail
SS-07	Crustacea	2	0	1	2	6	2.2	No	22	> 11	Pass
SS-07	Mollusca	9	12	12	31	9	14.6	Yes	146	> 251	Fail
SS-07	Polychaeta	12	11	16	12	21	14.4	Yes	144	> 228	Fail
SS-10	Crustacea	11	14	10	13	84	26.4	No	264	> 11	Pass
SS-10	Mollusca	24	34	30	21	24	26.6	Yes	266	> 251	Pass
SS-10	Polychaeta	75	69	108	65	159	95.2	No	952	> 228	Pass
SS-11	Crustacea	1	0	0	0	7	1.6	No	16	> 11	Pass
SS-11	Mollusca	4	18	11	10	8	10.2	Yes	102	> 251	Fail
SS-11	Polychaeta	16	7	57	11	24	23	No	230	> 228	Pass

SQS: Mean abundance$_{Treatment}$ < 50% of Mean abundance$_{Reference}$ (for each taxonomic group)

Table 9. Summary of Test Results

Station	Amphipod Test Criteria			Larval Test Criteria			Benthic Analysis Criteria	
	Statistical Difference?	Numerical		Statistical Difference?	Numerical		Statistical Difference?	Numerical SQS
		SQS	CSL		SQS	CSL		
SS-01	**Yes**	**Fail**	Pass	No	Pass	Pass	**Yes (M, P)**	**Fail (M, P)**
SS-02	No	Pass	Pass	No	Pass	Pass	**Yes (M)**	**Fail (M)**
SS-03	**Yes**	**Fail**	Pass	No	Pass	Pass	**Yes (M, P)**	**Fail (M, P)**
SS-07	No	Pass	Pass	No	Pass	Pass	**Yes (M, P)**	**Fail (M, P)**
SS-10	No	Pass	Pass	No	Pass	Pass	**Yes (M)**	Pass
SS-11	No	Pass	Pass	**Yes**	**Fail**	**Fail**	**Yes (M)**	**Fail (M)**

M = Mollusca, P = Polychaeta

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Data Validation Review Report- EPA Level 2

Project: Kimberly Clark- Former Scott Paper Mill Site

Project Number: 000105-01

Date: November 13, 2008

This report summarizes the review of analytical results for seven sediment samples collected on September 8th 2008. Samples were collected by Anchor Environmental and submitted to Analytical Resources, Inc. (ARI) in Tukwila, Washington. On September 11th and 12th porewater was extracted from all samples. Samples were analyzed for the following:

- Sulfides by United States Environmental Protection Agency (USEPA) method 376.2
- Ammonia by USEPA method 350.1M
- Total solids (TS) by USEPA method 160.3
- Total organic carbon (TOC) by Plumb (1981)
- Total volatile solids (TVS) by USEPA method 160.4
- Grainsize by method Plumb 1981

ARI sample data group (SDG) numbers NN88 (sediment samples) and NO68 (porewater samples) were reviewed in this report. The samples reviewed in this report are presented in Table 1.

Table 1
Samples Reviewed

Sample ID	Lab ID	Matrix	Analysis Requested
AN-SB-01-080908	NN88A/ NO68A	Sediment/Pore Water	TS,TOC,TVS,Grainsize,Porewater Ammonia, Porewater Sulfide
AN-SB-02-080908	NN88B/ NO68B	Sediment/Pore Water	TS,TOC,TVS,Grainsize,Porewater Ammonia, Porewater Sulfide
AN-SB-03-080908	NN88C/ NO68C	Sediment/Pore Water	TS,TOC,TVS,Grainsize,Porewater Ammonia, Porewater Sulfide

Sample ID	Lab ID	Matrix	Analysis Requested
AN-SB-04-080908	NN88D/ NO68D	Sediment/Pore Water	TS,TOC,TVS,Grainsize,Porewater Ammonia, Porewater Sulfide
AN-SB-05-080908	NN88E/ NO68E	Sediment/Pore Water	TS,TOC,TVS,Grainsize,Porewater Ammonia, Porewater Sulfide
AN-SB-06-080908	NN88F/ NO68F	Sediment/Pore Water	TS,TOC,TVS,Grainsize,Porewater Ammonia, Porewater Sulfide
AN-SB-07-080908	NN88G/ NO68G	Sediment/Pore Water	TS,TOC,TVS,Grainsize,Porewater Ammonia, Porewater Sulfide

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures and data quality objective section of the Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP) Addendum (Anchor 2008). Laboratory results were reviewed following USEPA guidelines using *USEPA Contract Laboratory Program National Functional Guidelines for Inorganics Data Review (USEPA, 2004)* and *USEPA Contract Laboratory National Functional Guidelines for Organics Data Review* (*USEPA, 1999*) as guidelines, and applying laboratory and method QC criteria as stated in SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998. Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody (COC) was signed by ARI at the time of sample receipt; the samples were received cold and in good condition.

Holding Times and Sample Preservation

Samples were appropriately preserved and analyzed within holding times. TOC was prepared within the 14 day holding time, but not analyzed until 10/22/08 (30 days past the

holding time). Because the laboratory applies the holding time to the preparation date, and the dried samples were stored in a dessicator until analysis, samples were not qualified.

Analytical Methods

The laboratory followed the recommended analytical methods specified in the QAPP with the following exceptions:

- Total solids- the lab used 160.3 instead of PSEP
- Total volatile solids- the lab used 160.4 instead of ASTM-D2974
- Total organic carbon- the lab used Plumb, 1981 instead of 9060

The difference between the recommended methods and the actual methods is sample size used. Both PSEP and ASTM-D2974 use larger volumes than the 160 methods. For TOC the Plumb, 1981 method uses a larger sample size than the 9060 method. Because data quality would not be significantly affected by this discrepancy no data were qualified.

Porewater Extraction

The laboratory indicated that the samples contained "floaters" (material that was floating on the top or within the water) and could not be separated by centrifuging.

Grain size Analysis

The laboratory indicated that all samples contained shell fragments and organic debris which may have broken down during the sieve process, possibly affecting the grain size distribution.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies. All method blanks were free of target analytes.

Field Quality Control

Field Blanks

No field blanks were collected with this set of samples.

Field Duplicates

No field duplicates were collected with this set of samples.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD)

MS and MSD samples were performed at the required frequencies. All associated MS/MSD samples yielded percent recoveries (%R) values and relative percent difference (RPD) values within the laboratory control limits.

Laboratory Control Sample (LCS) and LCS Duplicate (LCSD)

LCS and LCSDs were analyzed at the required frequencies and resulted in recoveries within laboratory control limits.

Laboratory Replicates

Laboratory replicates were analyzed at the required frequencies yielding %RPDs within the laboratory control limits.

Method Reporting Limits

Reporting limits were deemed acceptable as reported. All values were reported using the laboratory's reporting limits. Values were reported as undiluted, or when diluted, the reporting limit accurately reflects the dilution factor.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods with the exception noted above and all requested sample analyses were completed. Accuracy was acceptable, as demonstrated by LCS and MS %R values. Precision was acceptable, as demonstrated by the lab replicate analyses %RPD values. All data were deemed acceptable as reported; no data were qualified.

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Anchor. 2008. Sediment Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP) Addendum 2008 Supplemental Sediment Bioassays. August 2008.

USEPA. 1983. Methods for Chemical Analysis of Water and Wastes. U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Cincinnati, Ohio. EPA-600/4-79-020.

USEPA. 1986. Test methods for Evaluating Solid Waste: Physical/Chemical Methods. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846.

USEPA. 1999. USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review. U.S. Environmental Protection Agency, Office of Emergency Response. EPA 540/R-99/008. October.

USEPA. 2004. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation (OSRTI). EPA 540-R-04-004. October 2004.

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Data Validation Review Report

Project: Kimberly Clark Anacortes

Project Number: 000105-01

Date: November 15, 2007

This report summarizes the review of analytical results for twelve sediment samples collected on September 27 and 28 of 2007. Samples were collected by Anchor Environmental and submitted to Analytical Resources, Inc. (ARI) in Tukwila, Washington. Pore water samples were extracted from sediment samples. Samples were analyzed for the following:

- Total metals by United States Environmental Protection Agency (USEPA) methods 6010B, and 7471A(Hg).
- Semivolatile organic compounds (SVOCs) by USEPA method 8270D full scan.
- Polychlorinated biphenyls (PCBs) by USEPA 8082
- Total solids (TS) by method USEPA 160.3
- Total volatile solids (TVS) by method ASTM-D2974
- Total organic carbon (TOC) by Plumb, 1981/PSEP
- Grainsize by ASTM D422
- Ammonia by USEPA method 350.1 (pore water)
- Total sulfides by USEPA 376.2 (pore water)

ARI sample data group numbers LT50 and LR71 were reviewed in this report. The samples reviewed in this report are presented in Table 1.

Table 1
Samples Reviewed

Sample ID	Lab ID	Matrix	Analysis Requested
AN-SS-01-070927	LR71A, LT50A	Sediment	Metals,SVOC,PCB,TS,TVS,TOC, Ammonia,Sulfide, Grainsize
AN-SS-02-070927	LR71B, LT50B	Sediment	Metals,SVOC,PCB,TS,TVS,TOC, Ammonia,Sulfide, Grainsize
AN-SS-03-070928	LR71C, LT50C	Sediment	Metals,SVOC,PCB,TS,TVS,TOC, Ammonia,Sulfide, Grainsize
AN-SS-07-070928	LR71D, LT50D	Sediment	Metals,SVOC,PCB,TS,TVS,TOC, Ammonia,Sulfide, Grainsize
AN-SS-10-070928	LR71E, LT50E	Sediment	Metals,SVOC,PCB,TS,TVS,TOC, Ammonia,Sulfide, Grainsize
AN-SS-11-070928	LR71F, LT50F	Sediment	Metals,SVOC,PCB,TS,TVS,TOC, Ammonia,Sulfide, Grainsize
AN-SS-REF-070928	LR71G, LT50G	Sediment	TS,TOC, Ammonia, Grainsize
AN-SS-04	LR71H, LT50H	Sediment	Metals,SVOC,PCB,TS,TVS,TOC, Ammonia, Grainsize
AN-SS-05	LR71I, LT50I	Sediment	Metals,SVOC,PCB,TS,TVS,TOC, Ammonia,Sulfide, Grainsize
AN-SS-06	LR71J, LT50J	Sediment	Metals,SVOC,PCB,TS,TVS,TOC, Ammonia,Sulfide, Grainsize
AN-SS-08	LR71K	Sediment	Metals, SVOC, PCB,TS,TVS,TOC, Grainsize
AN-SS-09	LR71L, LT50L	Sediment	Metals, SVOC, PCB, TS, TVS, TOC, Ammonia, Grainsize

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control (QA/QC) guidelines outlined in the analytical procedures and data quality objective section of the Sampling and Analysis Plan (SAP). Laboratory results were reviewed following USEPA guidelines using *USEPA Contract Laboratory Program National Functional Guidelines for Inorganics Data Review (USEPA, 2004)* and *USEPA Contract Laboratory National Functional Guidelines for Organics Data Review* (*USEPA, 1999*) as guidelines, and applying laboratory and method QC criteria as stated in SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998. Unless noted in this report, laboratory results for the samples listed above were within QC criteria.

Laboratory Data Package and Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody was signed by ARI at the time of sample receipt; the samples were received cold and in good condition. Ammonia and sulfide analyses were requested for all pore water samples, however, neither analysis was performed on sample AN-SS-08 and sulfide analyses were not performed on samples AN-SS-REF-070928, AN-SS-04, and AN-SS-09 due to limited or no sample volume.

Holding Times and Sample Preservation

Samples were appropriately preserved and analyses were conducted within holding times with the exception of TOC analysis. Samples were analyzed three to four days past the fourteen day holding time. All TOC results have been qualified with a "J" to indicate results are estimated. Samples were re-extracted for SVOC analyses due to low LCS and MS/MSD recoveries. The re-extraction was within holding time for samples stored frozen.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies. All method blanks were free of target analytes with the following exceptions:

- Analysis of SVOC method blank LR71MBS2 resulted in the detection of bis(2-ethylhexyl)phthalate above the RL. The sample concentrations were compared to that found in the method blank. All sample concentrations were either not detected or were significantly greater (>5x) than the method blank with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Concentration
AN-SS-07-070928	Bis (2-Ethylhexyl) phthalate	50 ug/kg	50U ug/kg
AN-SS-10-070928	Bis (2-Ethylhexyl) phthalate	20 ug/kg	20U ug/kg
AN-SS-04	Bis (2-Ethylhexyl) phthalate	110 ug/kg	110U ug/kg

Field Quality Control

Field Duplicates

No field duplicates were collected with this sample set.

Surrogate Recoveries

Surrogate recoveries for organic analyses were performed at the required frequencies. Surrogate recoveries were within laboratory control limits for all surrogates with the exception of 2-fluorobiphenyl in the first SVOC extraction of the method blank and LCS. Surrogate recoveries are not considered out of control unless two acid or two base pairs recover outside of control limits. No data from this extraction batch was reported.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD)

MS/MSD samples were analyzed at the required frequencies. All MS/MSD analyses yielded percent recoveries (%Rs) and relative percent difference (RPD) values within the project data quality objectives with the following exceptions:

- Ammonia and Sulfides - No MS/MSD analyses were performed due to limited sample volume.
- SVOC - Analyses of samples AN-SS-10-070928 MS and MSD yielded low %Rs for benzo (g,h,i) perylene in both the first and second extraction. . This analyte has been qualified in the parent sample result with a "UJ" to indicate a potential low bias. Hexachloroethane also recovered low in the first extraction of the MS sample. No data are reported from this extraction batch.
- Metals - Analysis of sample AN-SS-01-070928 MS yielded a low %R for antimony. All associated sample results have been qualified with a "J" or "UJ" to indicate a potential low bias.

Laboratory Control Sample (LCS) and LCS Duplicate (LCSD)

An LCS and LCSD were analyzed at the required frequencies. All LCS and LCSD analyses were within laboratory control limits.

Laboratory Duplicates/ Triplicates

Laboratory duplicates/triplicates were analyzed at the required frequencies. All %RPD values were within the project control limits.

Method Reporting Limits

All results were reported using the laboratory's reporting limits and were reported as undiluted, or when diluted, the reporting limit accurately reflects the dilution factor. Reporting limits were deemed acceptable as reported. Aroclor 1248 was reported at elevated reporting limits for samples AN-SS-070928 and AN-SS-04.

Overall Assessment

The original SVOC analyses of all samples were rejected due to poor recoveries in the LCS. The laboratory performed valid re-extractions/re-analyses as instructed per the project sampling and analysis plan. Data from the re-extraction/re-analyses are reviewed in this report. All other data are judged to be acceptable as qualified. Table 3 summarizes the qualifiers applied to samples reviewed in this report.

Precision, Accuracy, and Completeness

Precision: All precision goals were met.

Accuracy: All accuracy goals were met.

Completeness: Completeness was 100 percent.

Table 3
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
AN-SS-01-070927	Conventionals	TOC	1.43%	1.43%J	Analysis outside of hold time
AN-SS-02-070927	Conventionals	TOC	4.84%	4.84%J	Analysis outside of hold time
AN-SS-03-070928	Conventionals	TOC	2.53%	2.53%J	Analysis outside of hold time
AN-SS-07-070927	SVOC	Bis(2-Ethylhexyl)phthalate	50 ug/kg	50U ug/kg	Method Blank

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
AN-SS-07-070928	Conventionals	TOC	1.35%	1.35%J	Analysis outside of hold time
AN-SS-10-070928	SVOC	Bis(2-Ethylhexyl)phthalate	20 ug/kg	20U ug/kg	Method Blank
	SVOC	Benzo(g,h,i)perylene	20U ug/kg	20UJ ug/kg	MS/MSD %R outside criteria
	Conventionals	TOC	1.07%	1.07%J	Analysis outside of hold time
AN-SS-11-070928	Conventionals	TOC	1.15%	1.15%J	Analysis outside of hold time
AN-SS-REF-070928	Conventionals	TOC	0.951%	0.951%J	Analysis outside of hold time
AN-SS-04	SVOC	Bis (2-Ethylhexyl)phthalate	110 ug/kg	110U ug/kg	Method Blank
AN-SS-04	Conventionals	TOC	6.13%	6.13%J	Analysis outside of hold time
AN-SS-05	Conventionals	TOC	2.42%	2.42%J	Analysis outside of hold time
AN-SS-06	Conventionals	TOC	1.40%	1.40%J	Analysis outside of hold time
AN-SS-08	Conventionals	TOC	1.75%	1.75%J	Analysis outside of hold time
AN-SS-09	Conventionals	TOC	3.99%	3.99%J	Analysis outside of hold time

REFERENCES

USEPA. 1983. Methods for Chemical Analysis of Water and Wastes. U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Cincinnati, Ohio. EPA-600/4-79-020.

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