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

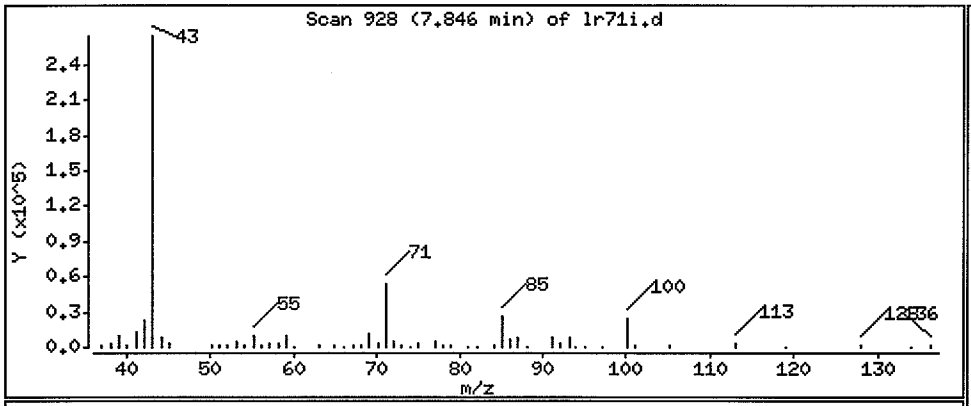
Operator: LJR/VTS

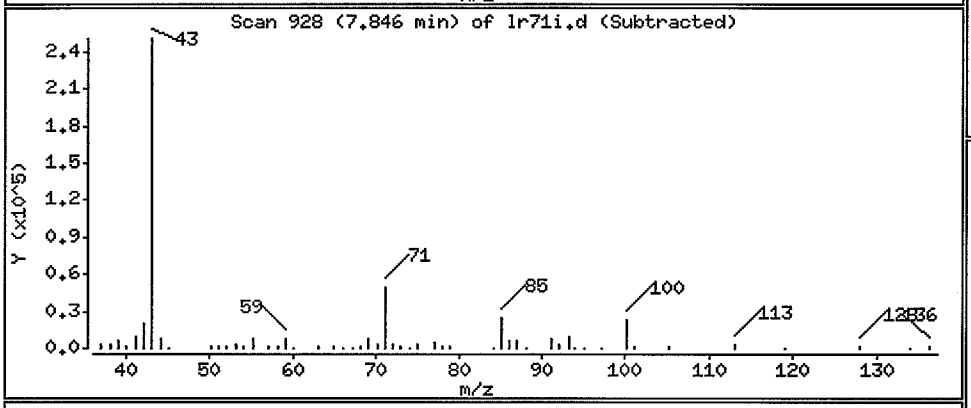
Column phase: ZB-5

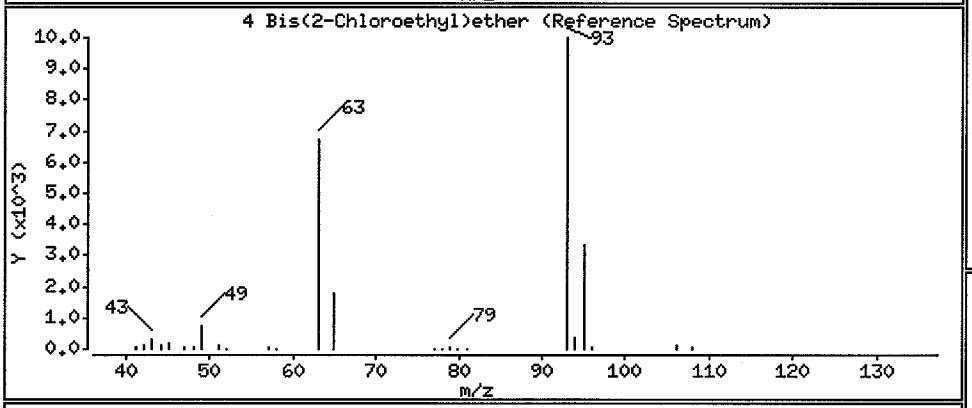
Column diameter: 0.32

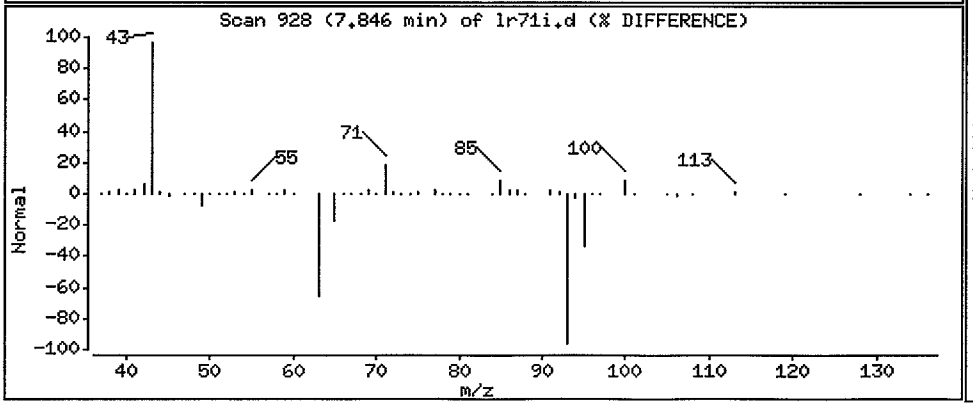
4 Bis(2-Chloroethyl)ether

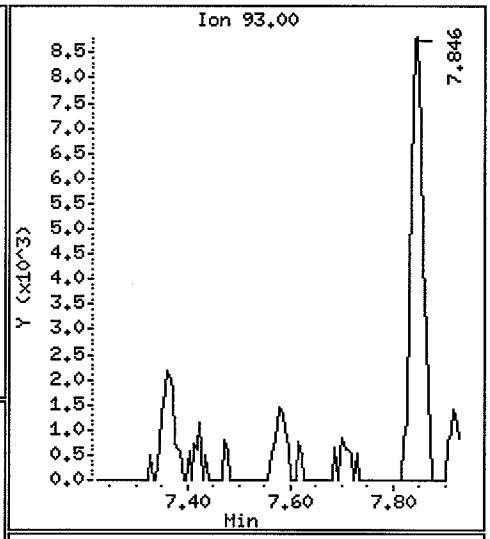
Concentration: 18.62 ug/kg

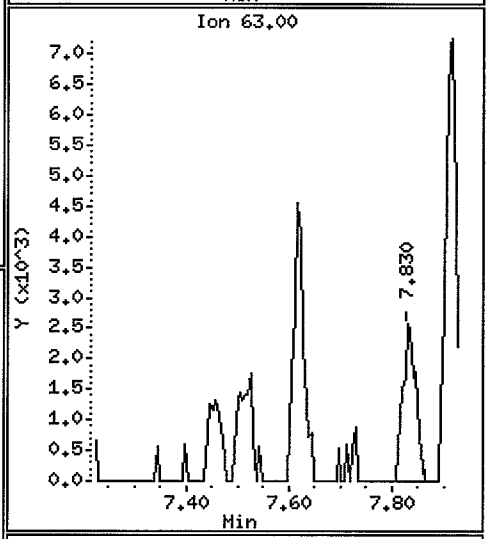


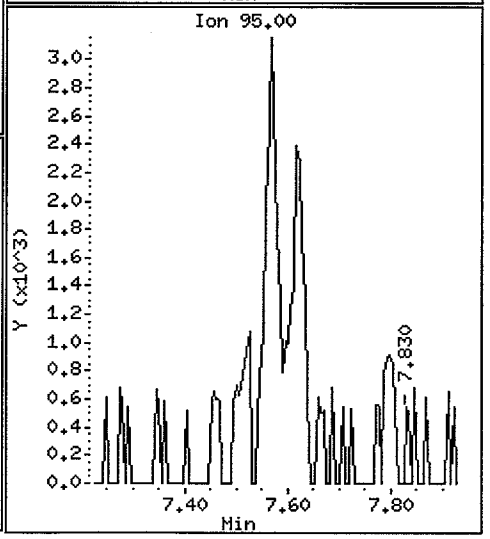












Data File: /chem1/nt6.i/20071018.b/lr71i.d

Date : 18-OCT-2007 19:44

Client ID: AN-SS-05

Instrument: nt6.i

Sample Info: LR71I

Volume Injected (uL): 1.0

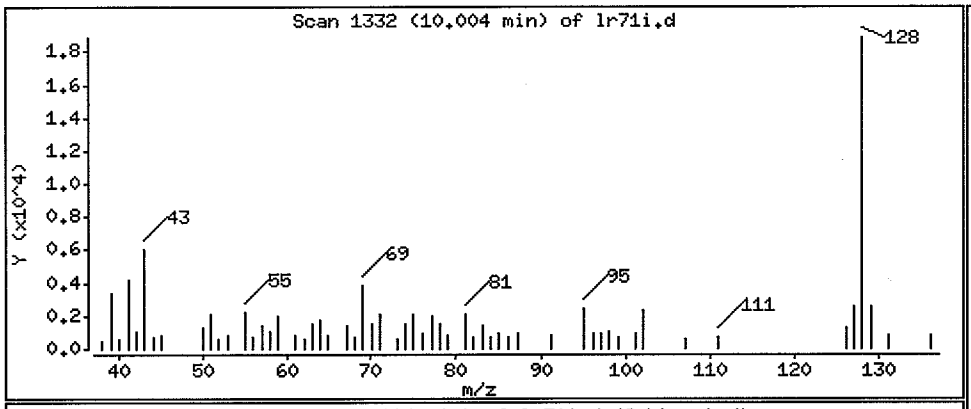
Operator: LJR/VTS

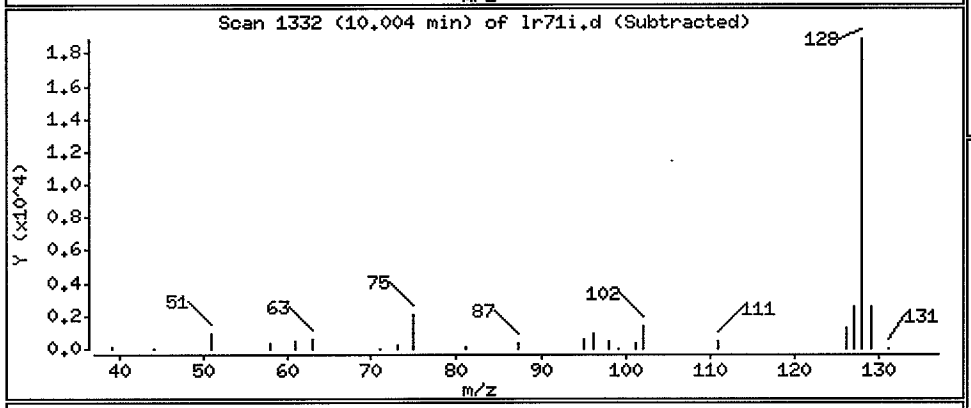
Column phase: ZB-5

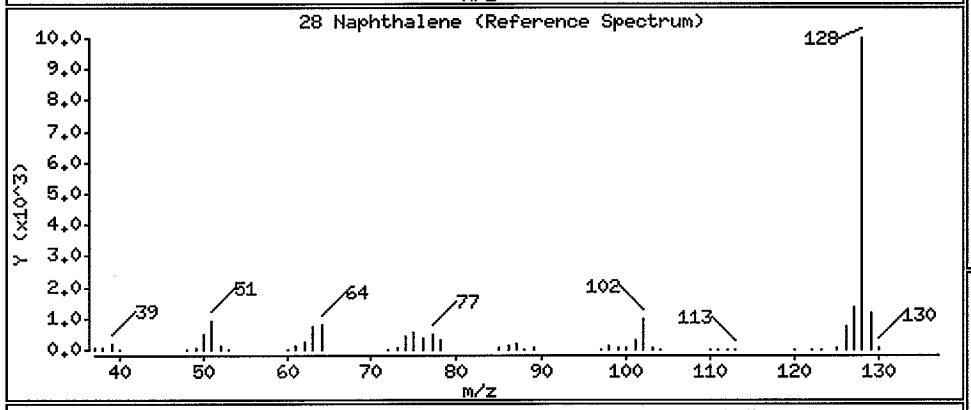
Column diameter: 0.32

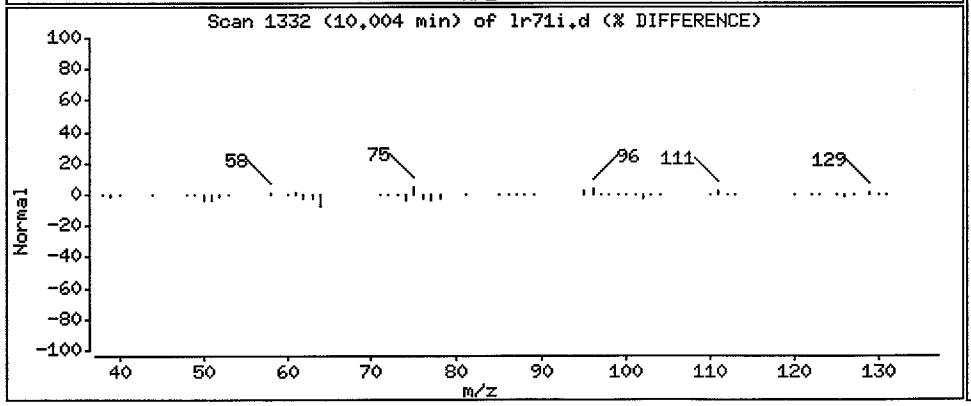
28 Naphthalene

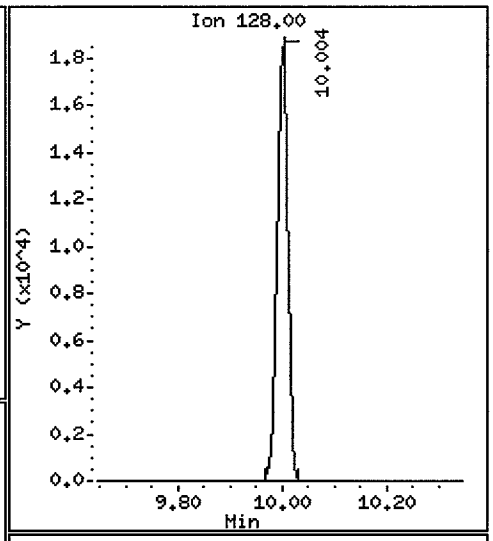
Concentration: 12.97 ug/kg

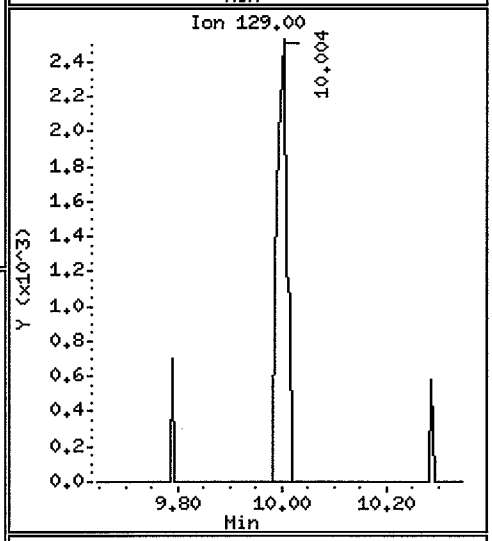


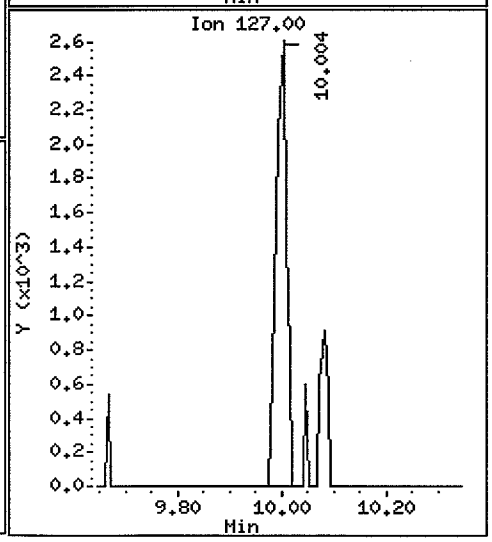












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-05**
Page 1 of 2 **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

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

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	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

		RT LIMIT			
COMPOUND	STANDARD	LOWER	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:

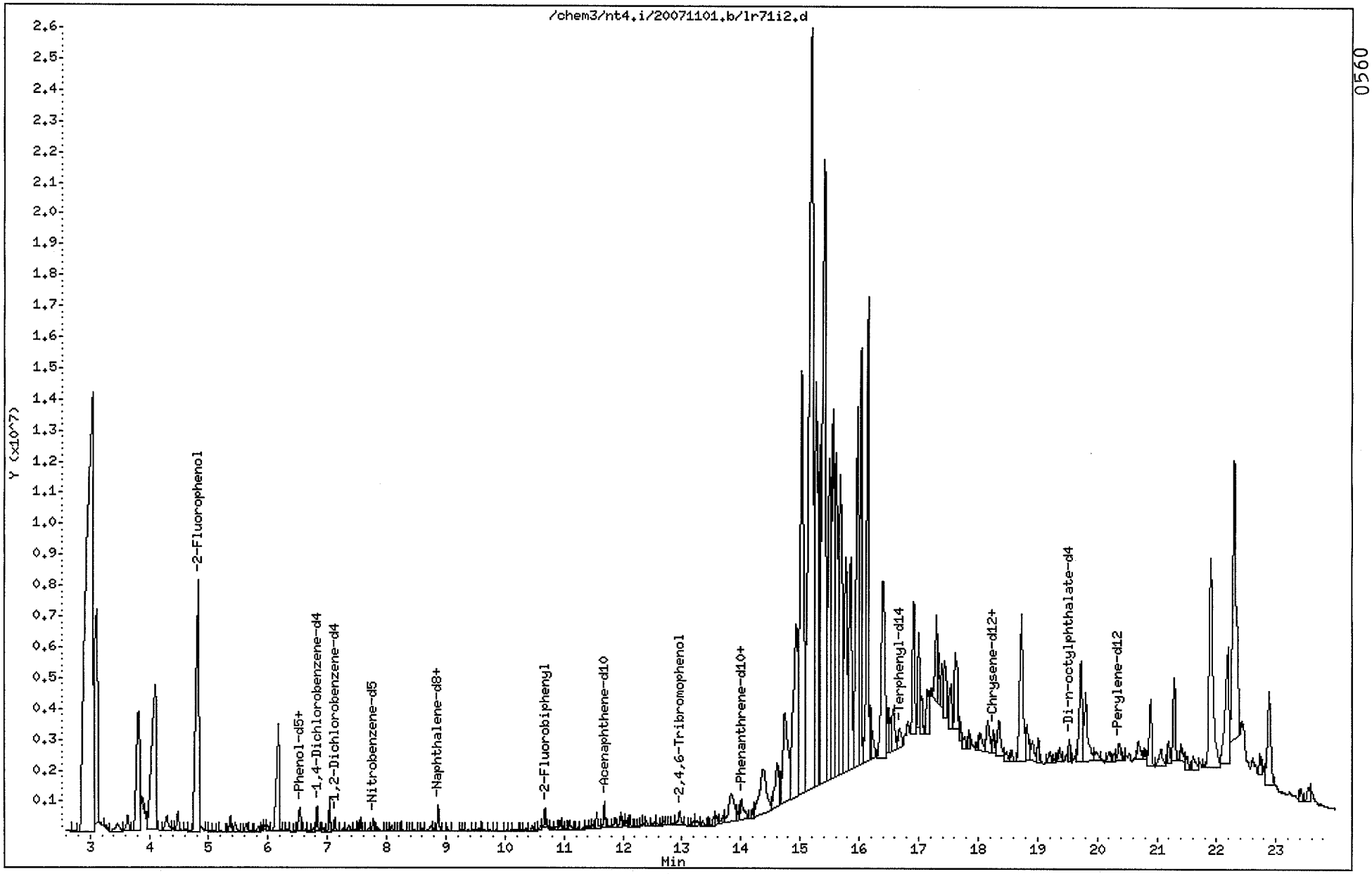
Client SDG: 20071101
Fraction: SV

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



0560

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

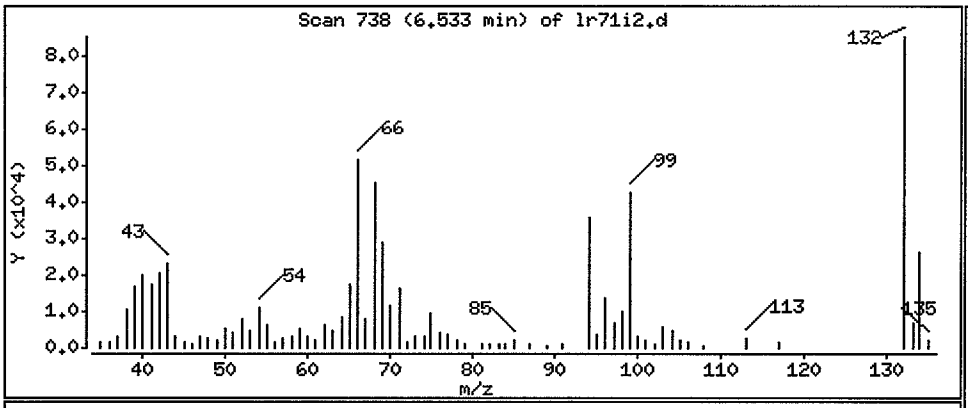
Operator: VTS

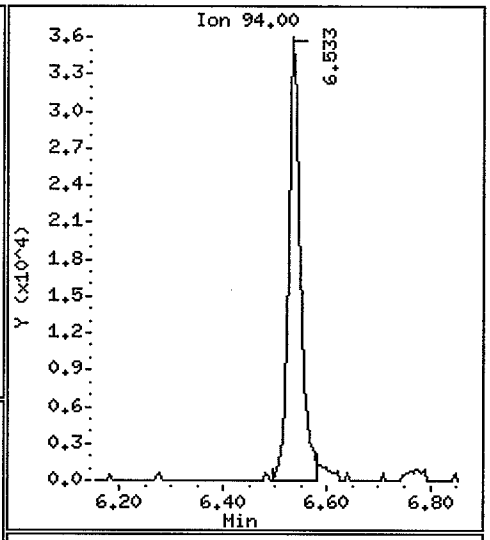
Column phase: ZB-5

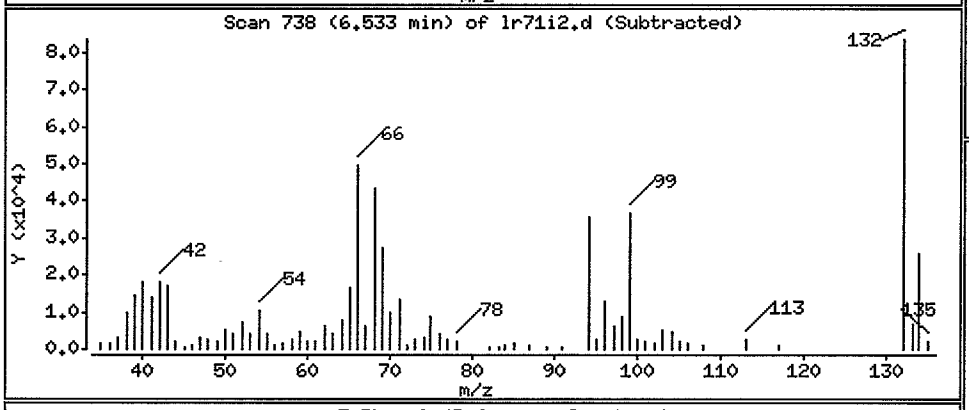
Column diameter: 0.32

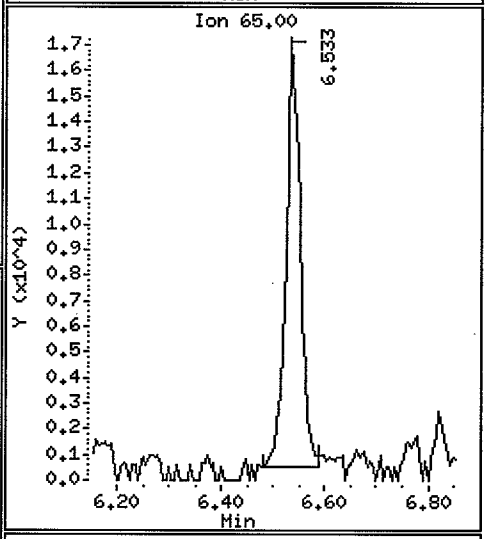
3 Phenol

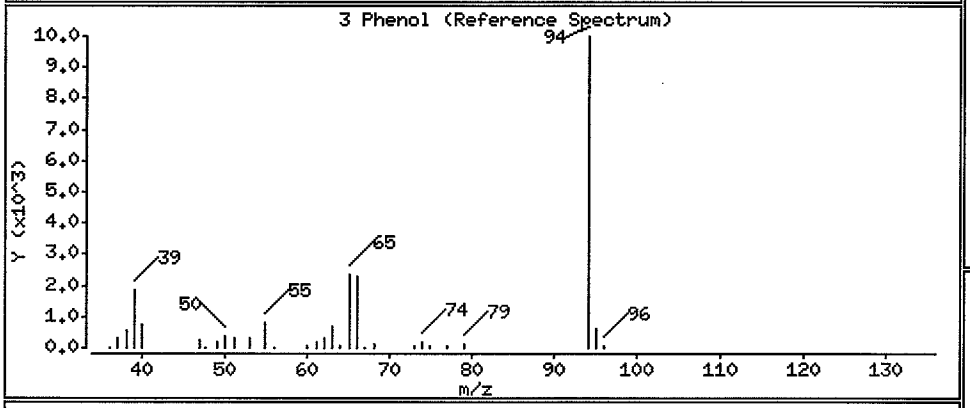
Concentration: 68.98 ug/Kg

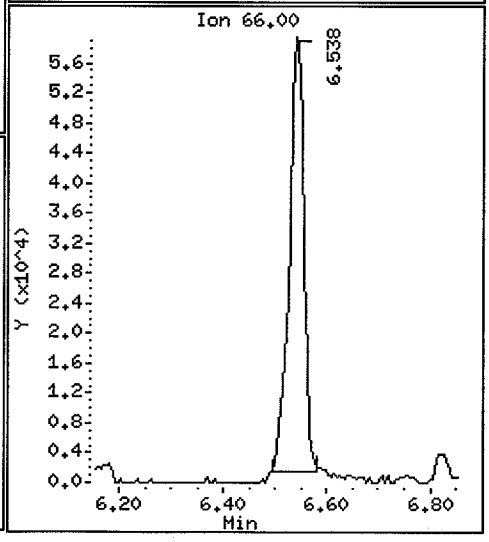


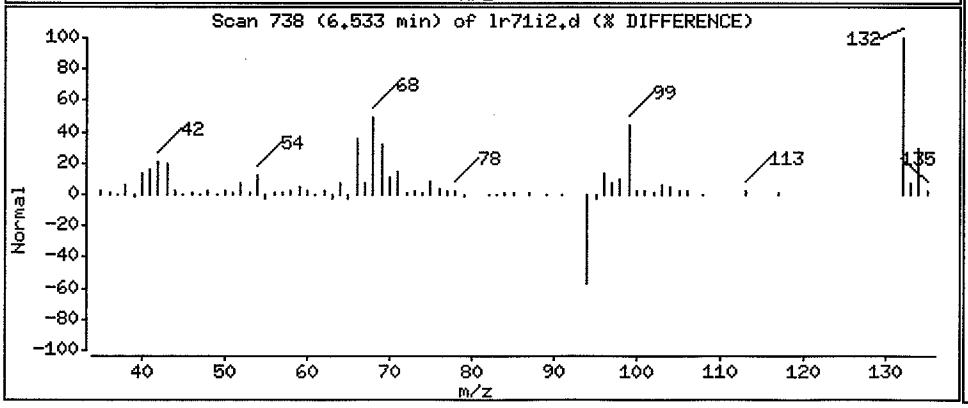












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

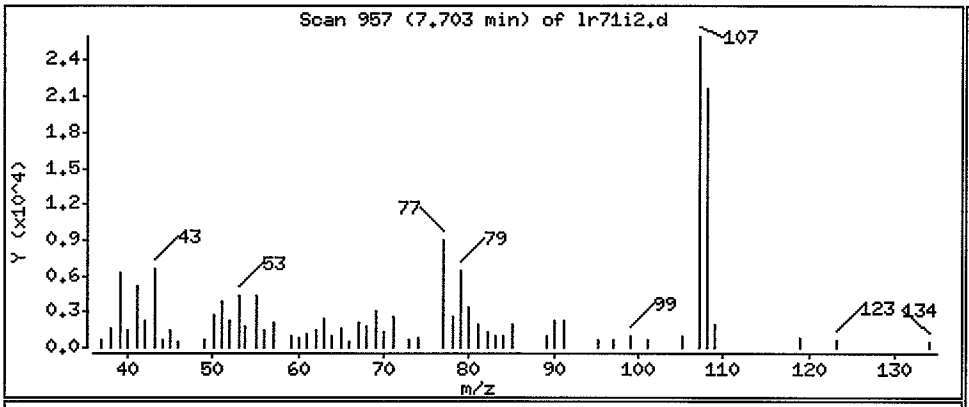
Operator: VTS

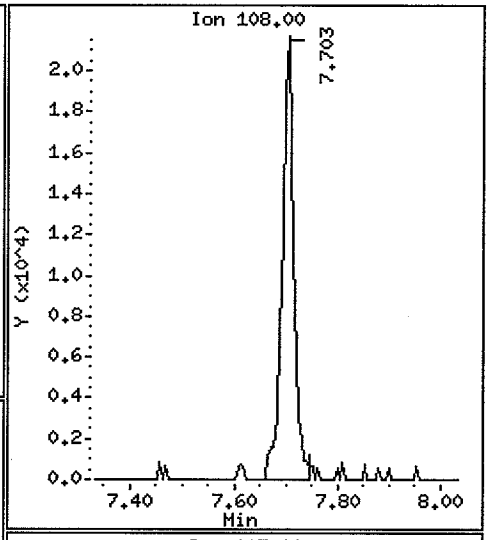
Column phase: ZB-5

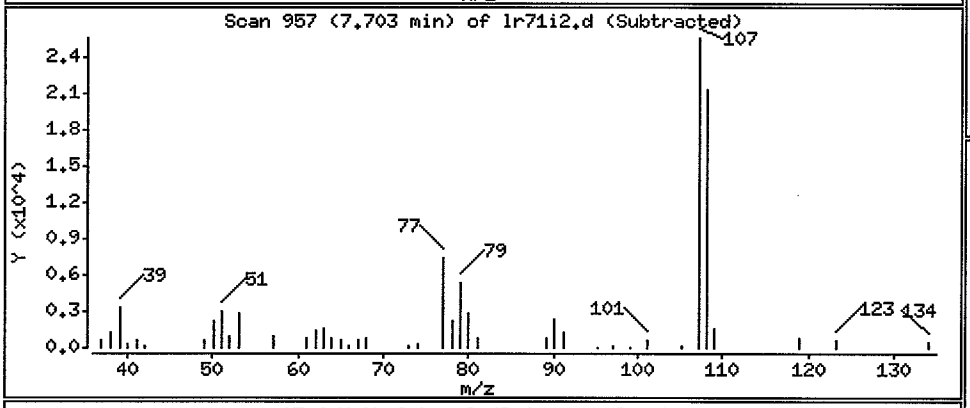
Column diameter: 0.32

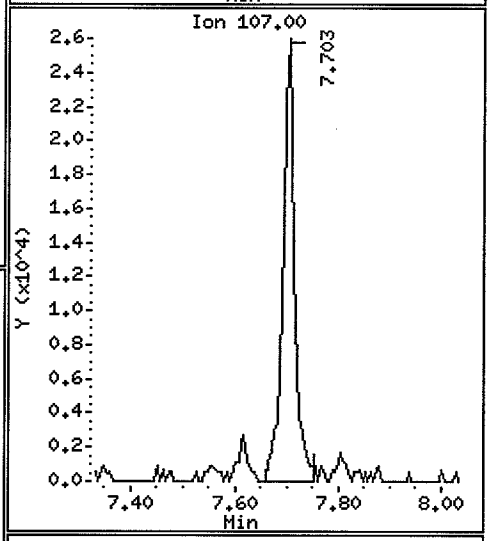
15 4-Methylphenol

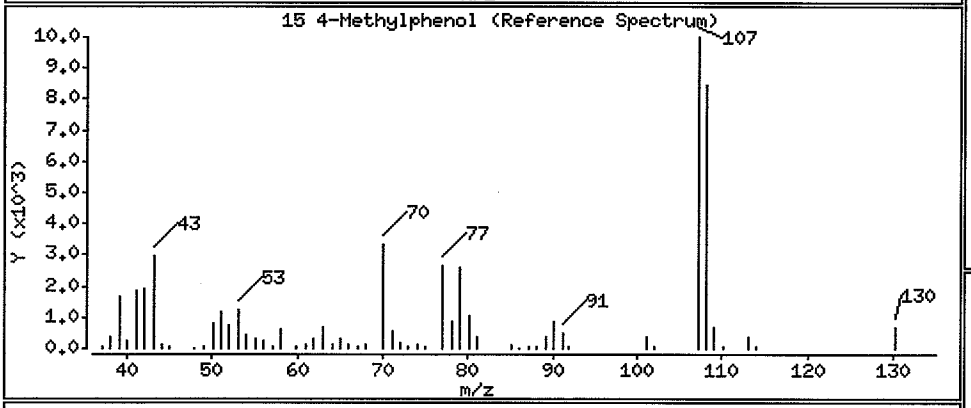
Concentration: 60.26 ug/Kg

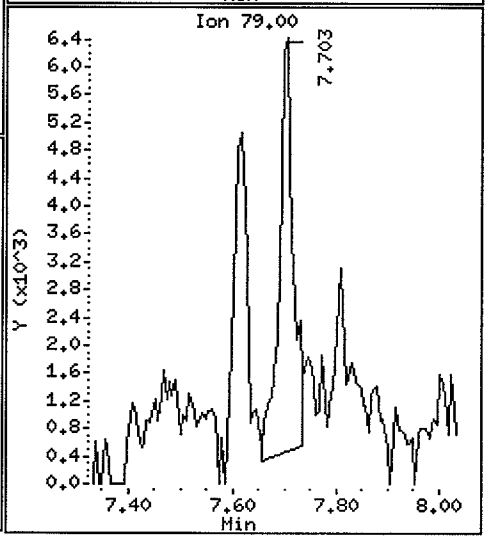


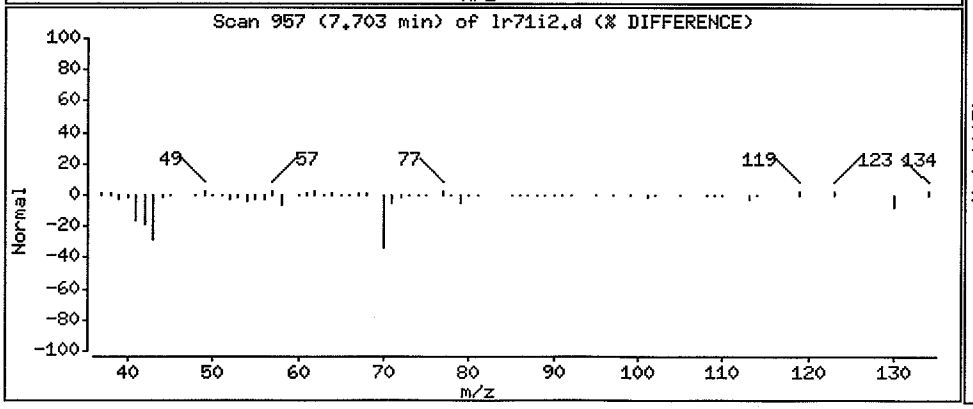












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

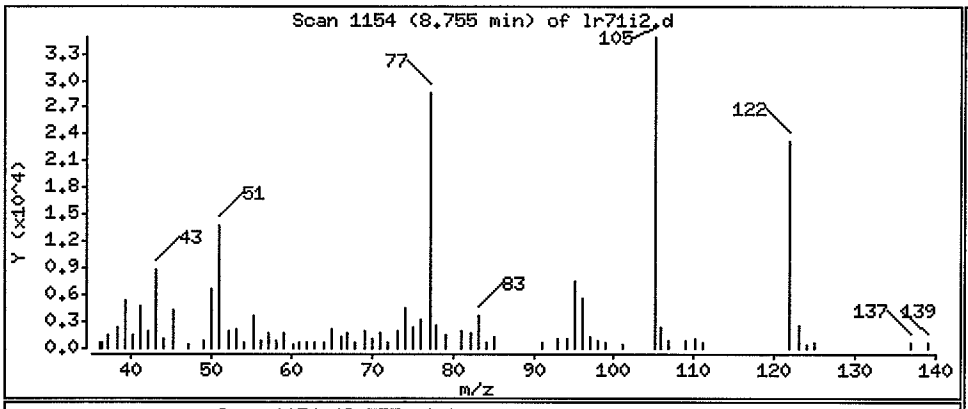
Operator: VTS

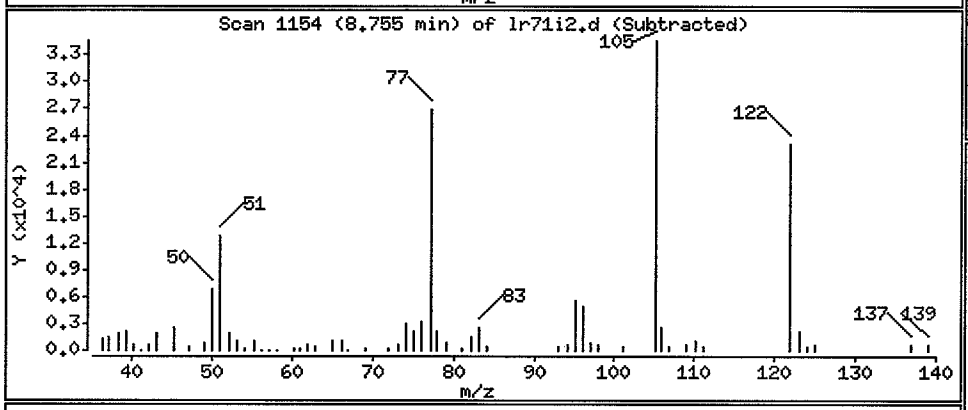
Column phase: ZB-5

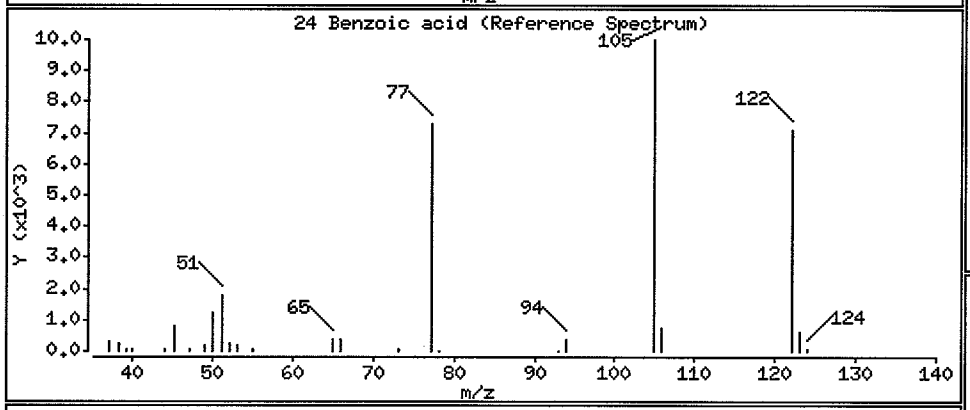
Column diameter: 0.32

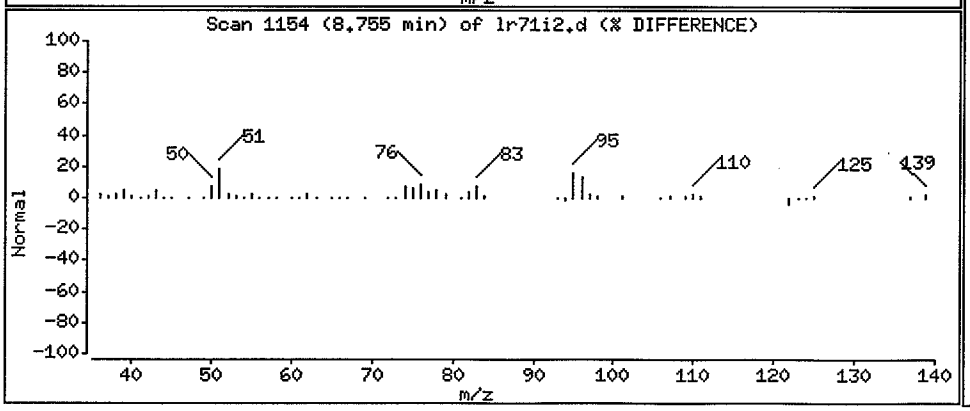
24 Benzoic acid

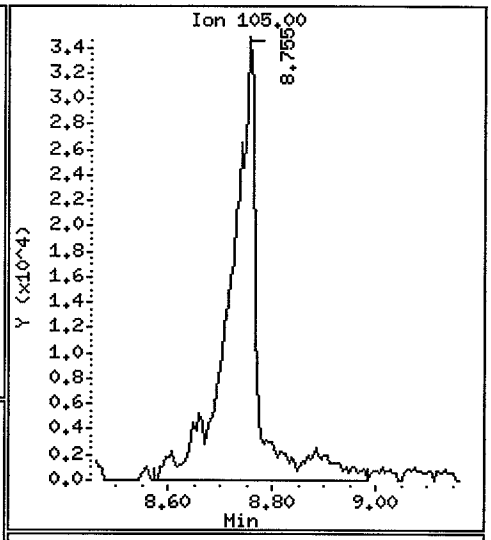
Concentration: 284.9 ug/Kg

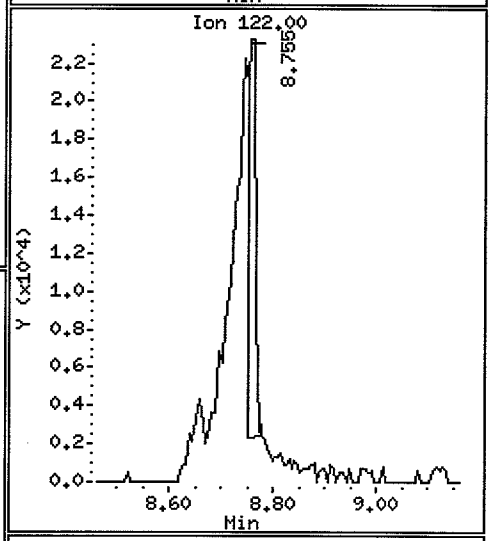


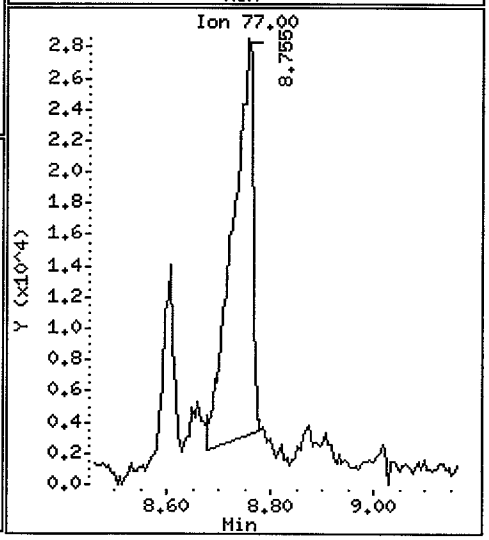












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

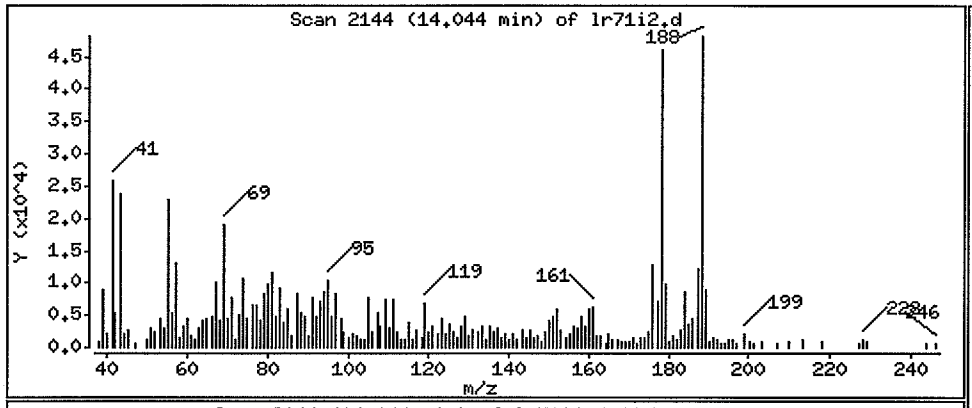
Operator: VTS

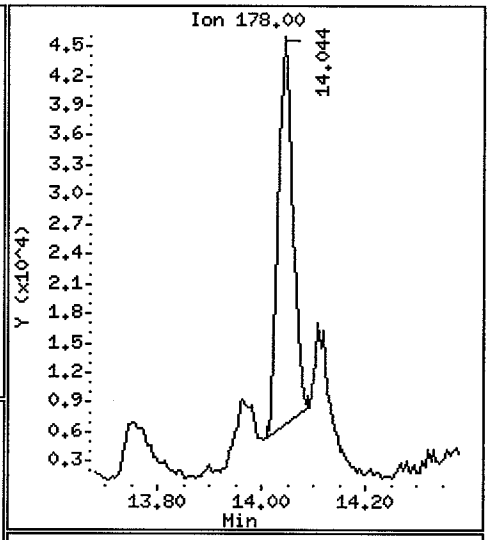
Column phase: ZB-5

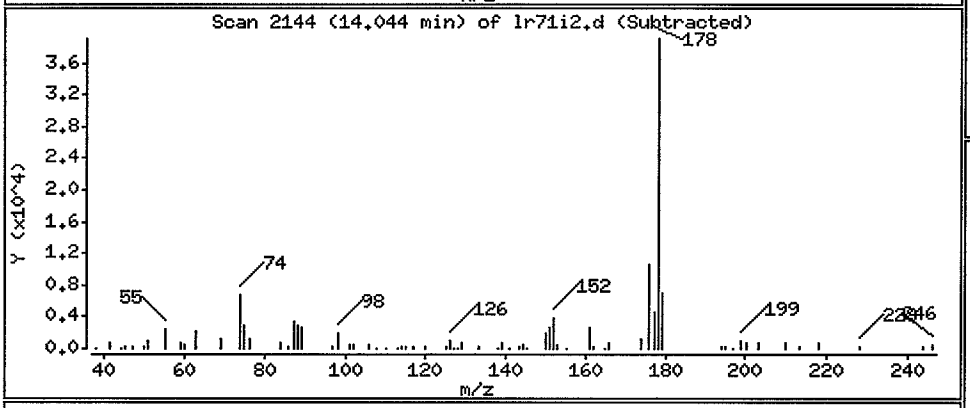
Column diameter: 0.32

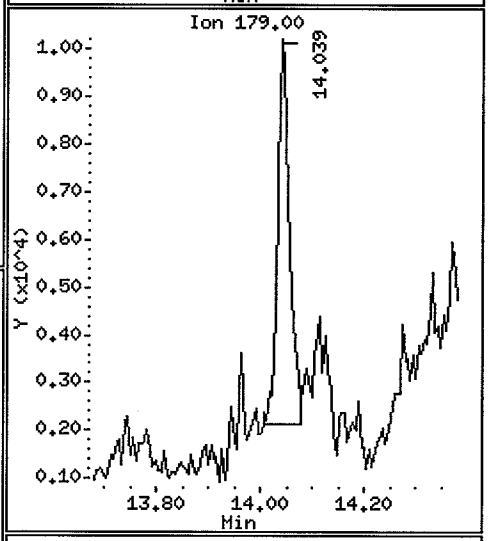
60 Phenanthrene

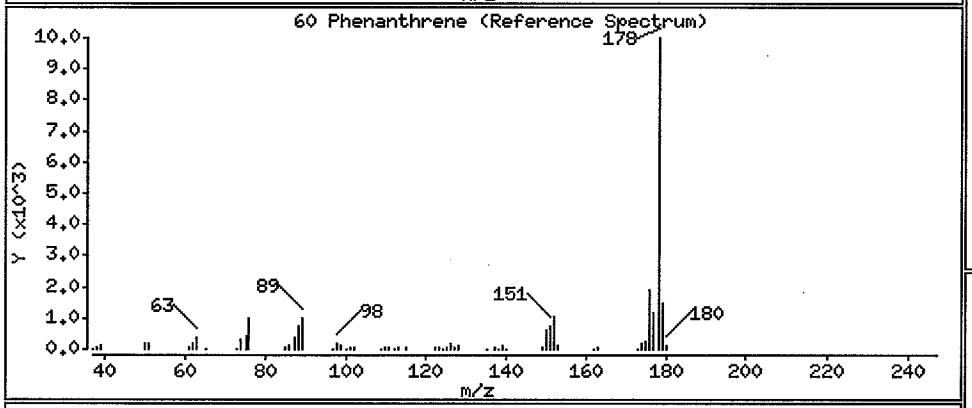
Concentration: 41.62 ug/Kg

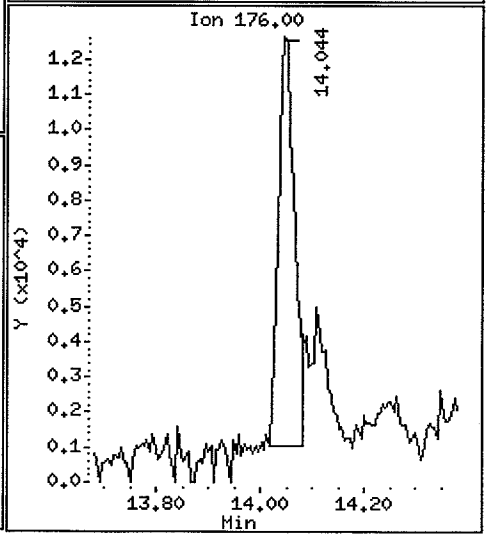


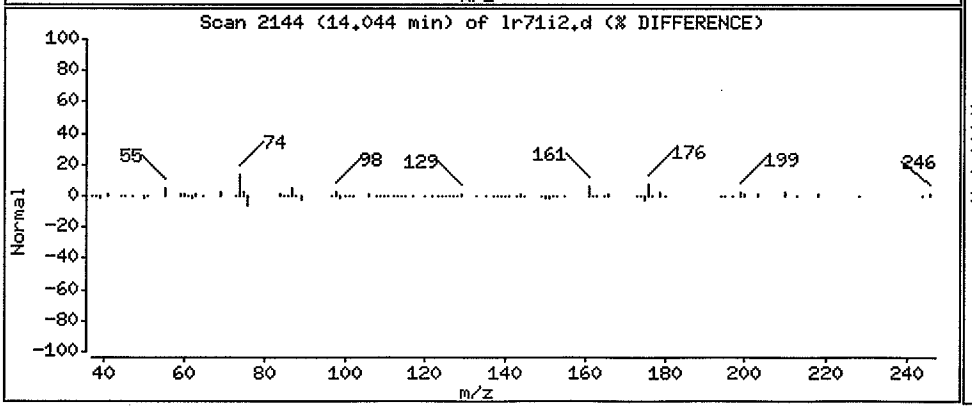












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

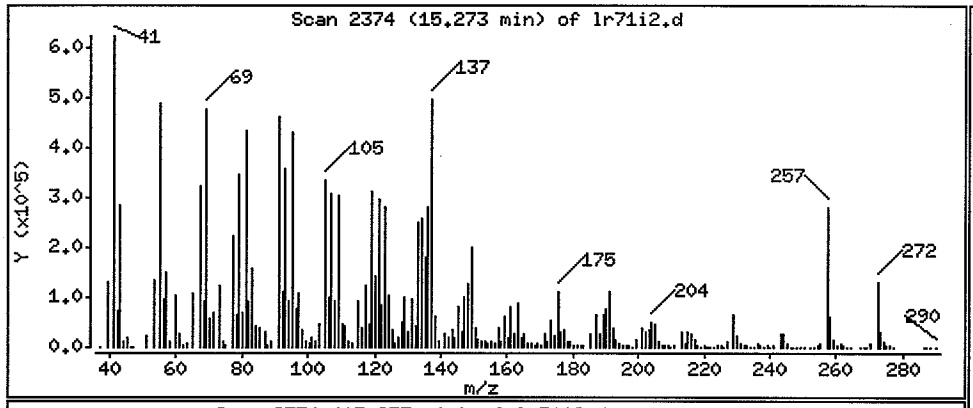
Operator: VTS

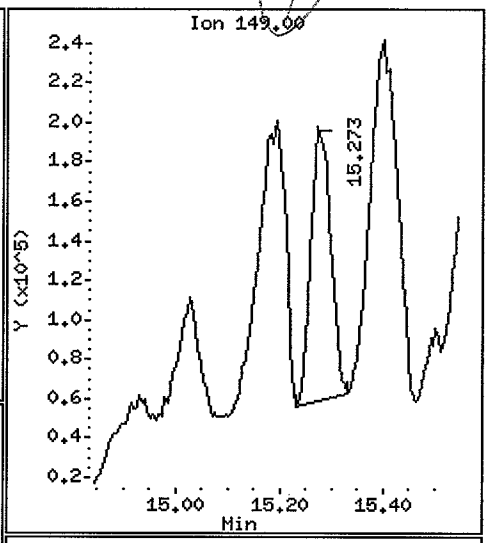
Column phase: ZB-5

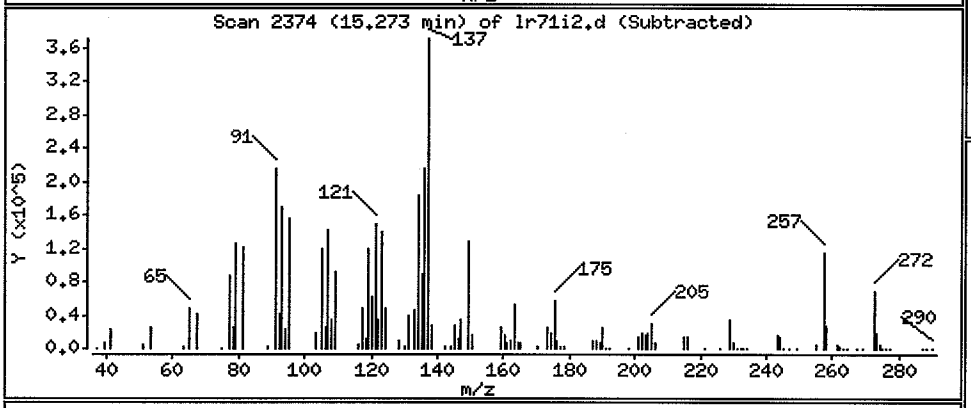
Column diameter: 0.32

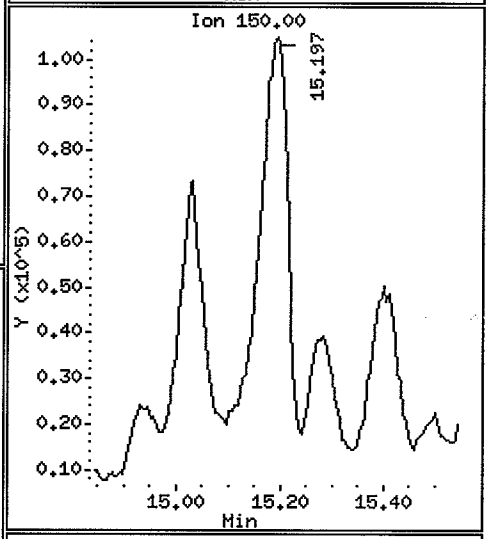
63 Di-n-butylphthalate

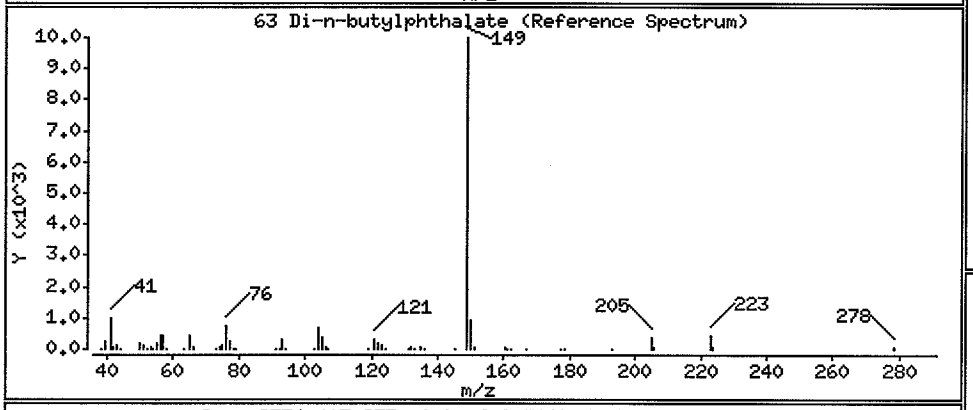
Concentration: 196.0 ug/Kg

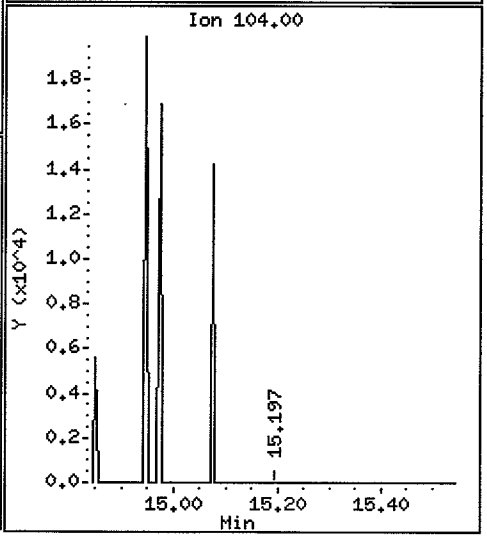


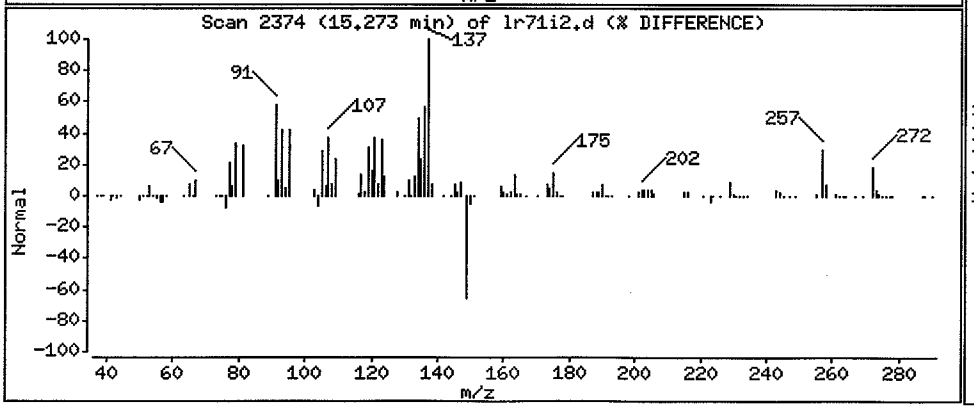












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

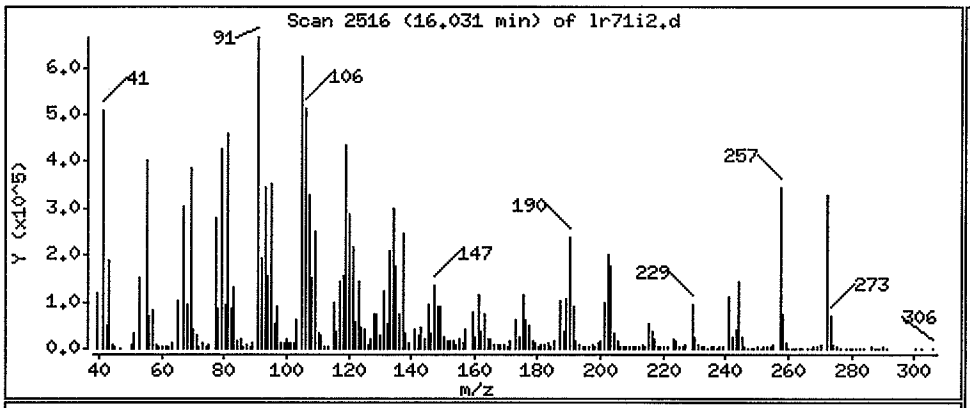
Operator: VTS

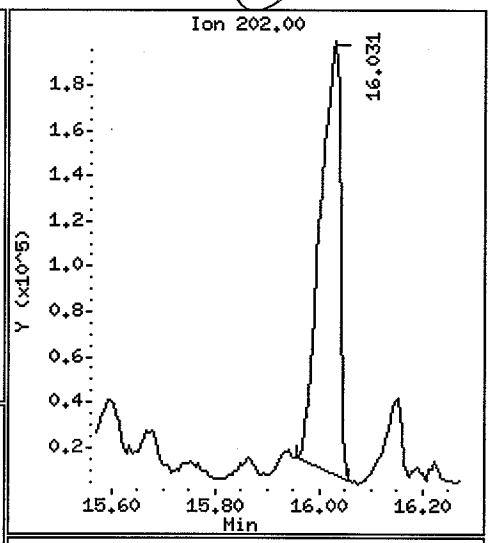
Column phase: ZB-5

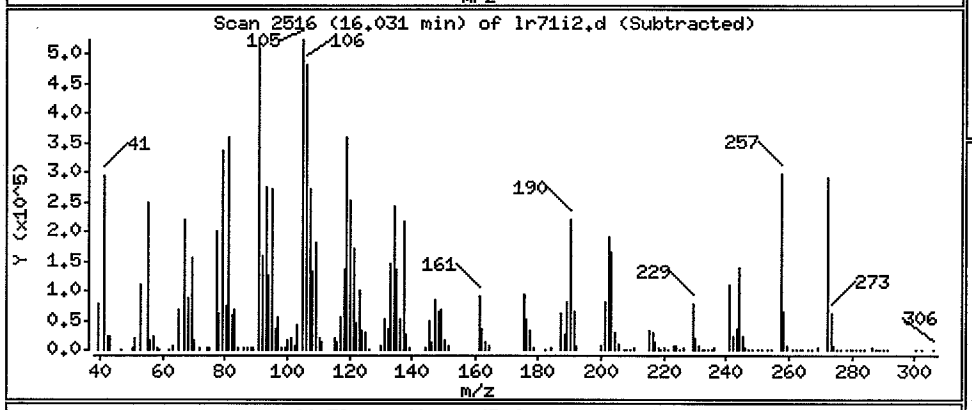
Column diameter: 0.32

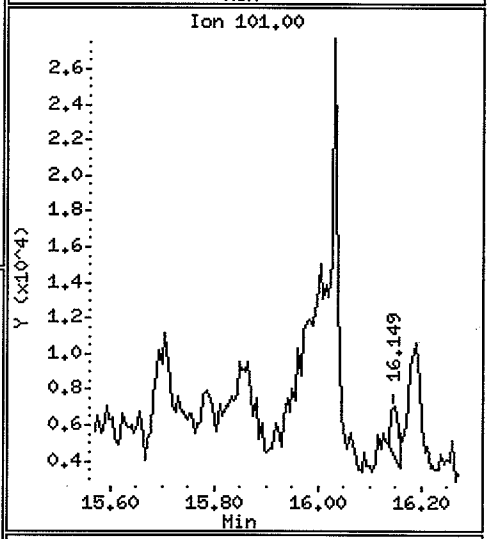
64 Fluoranthene

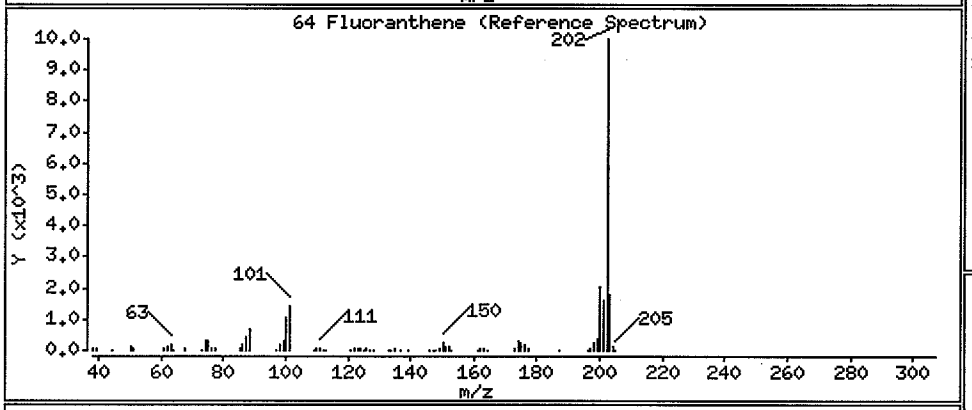
Concentration: 259.4 ug/Kg

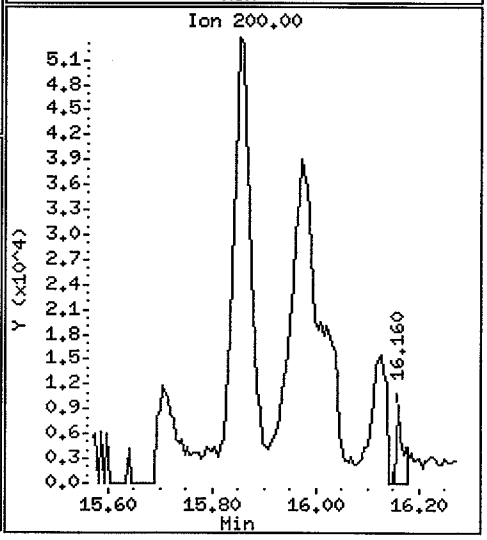


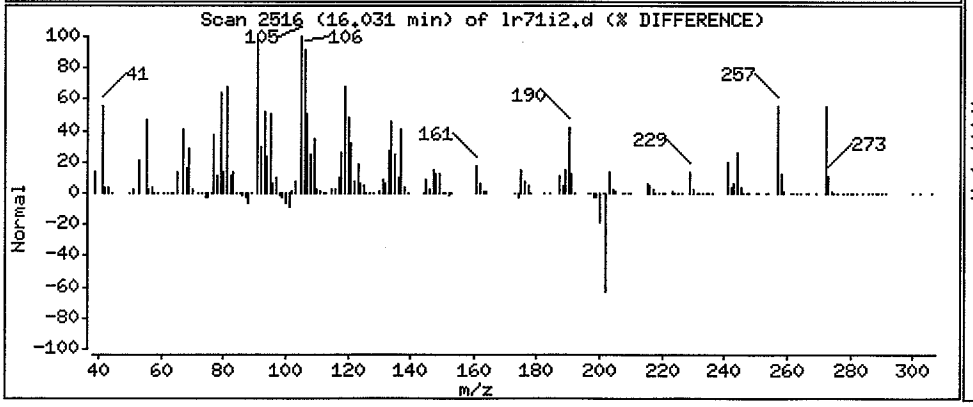












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

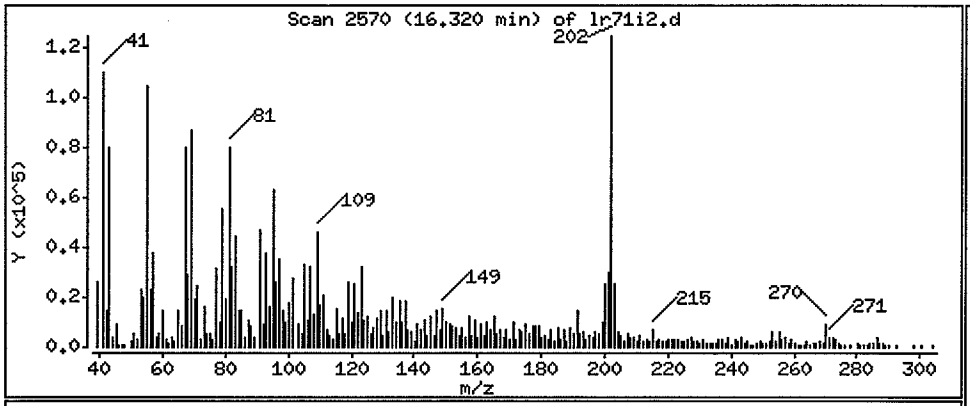
Operator: VTS

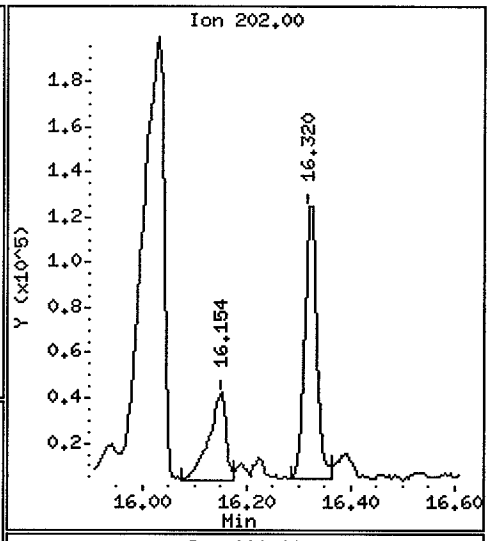
Column phase: ZB-5

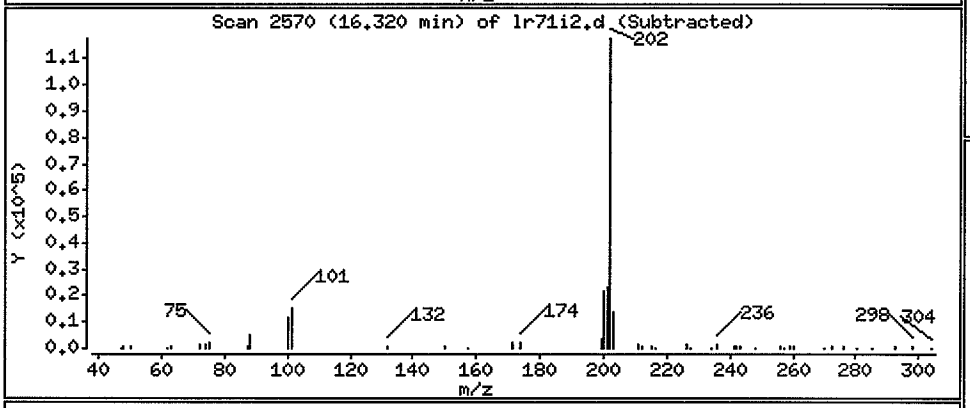
Column diameter: 0.32

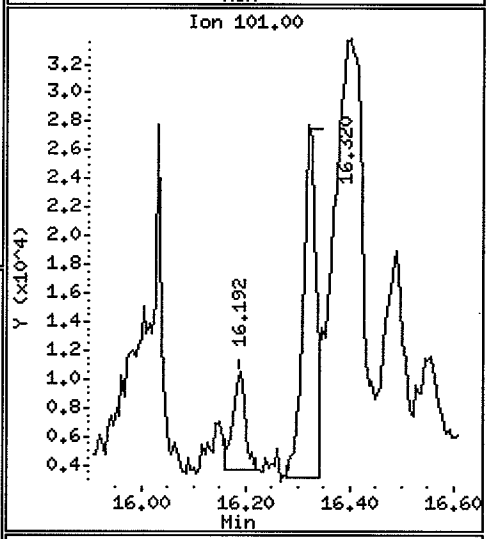
65 Pyrene

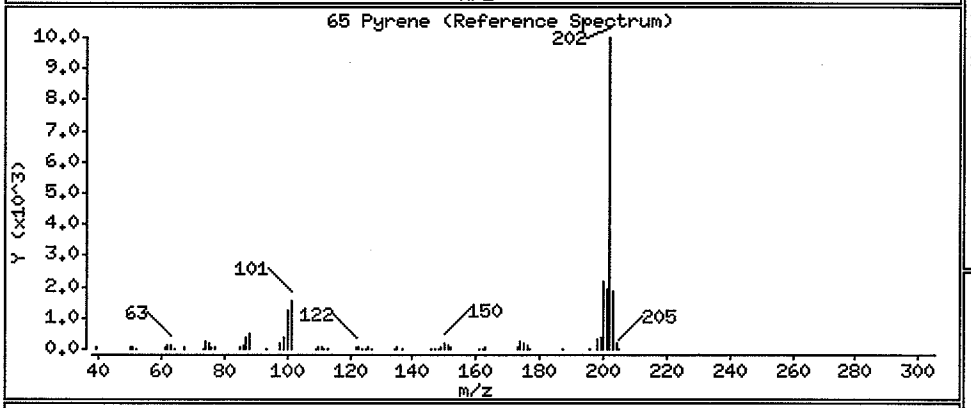
Concentration: 85.17 ug/Kg

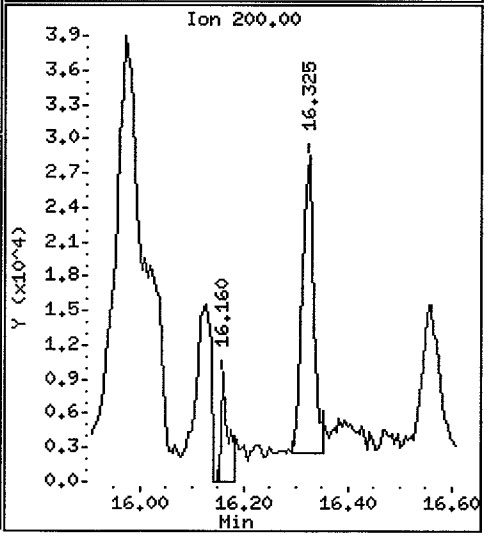


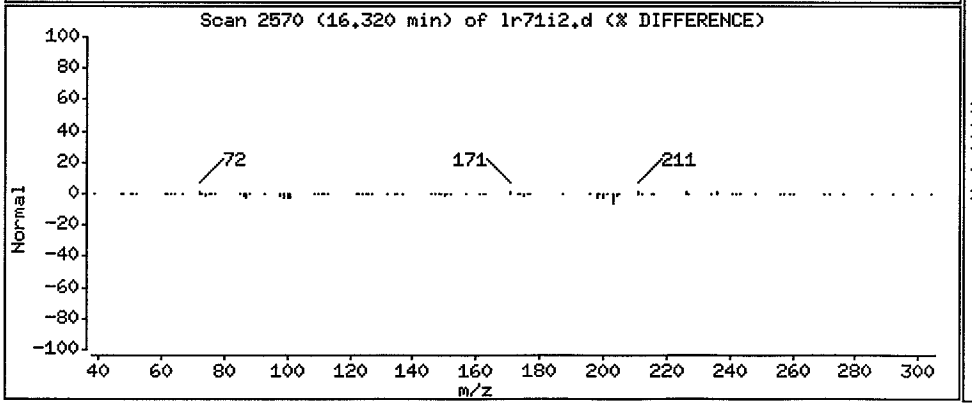












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

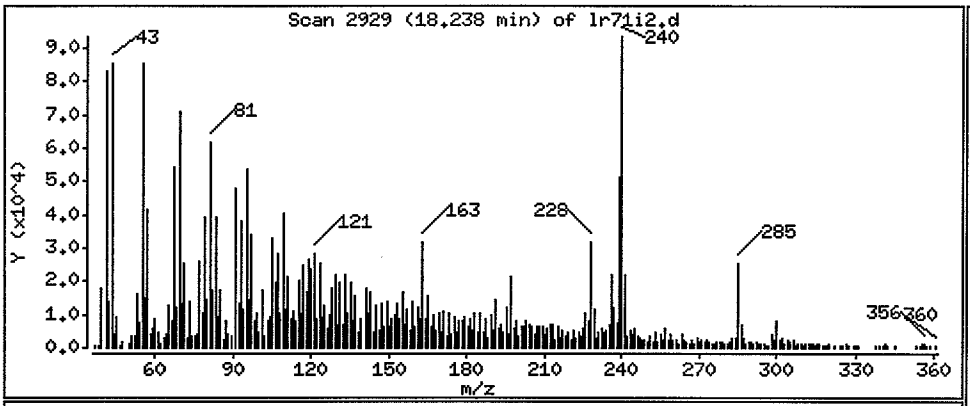
Operator: VTS

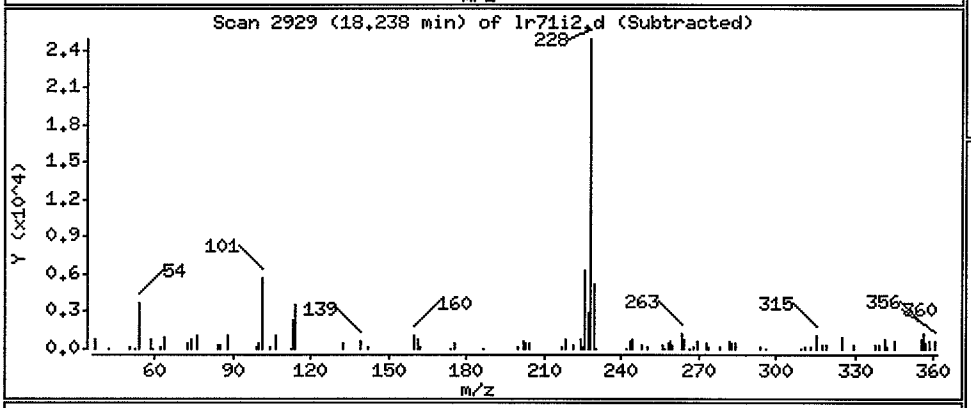
Column phase: ZB-5

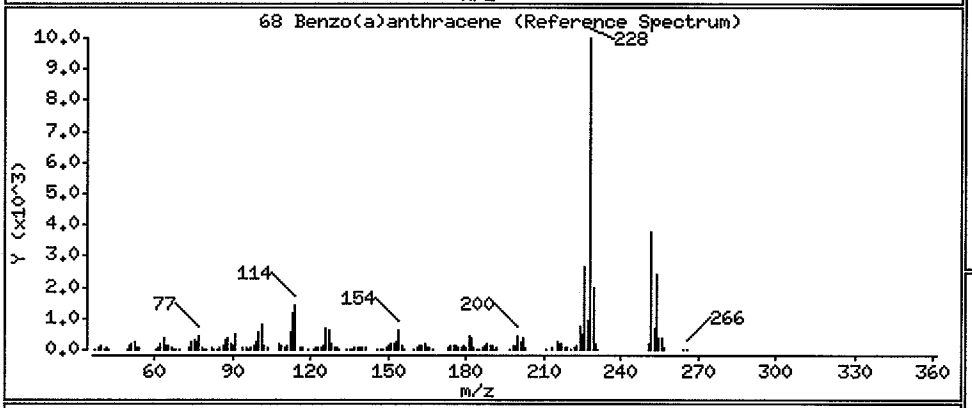
Column diameter: 0.32

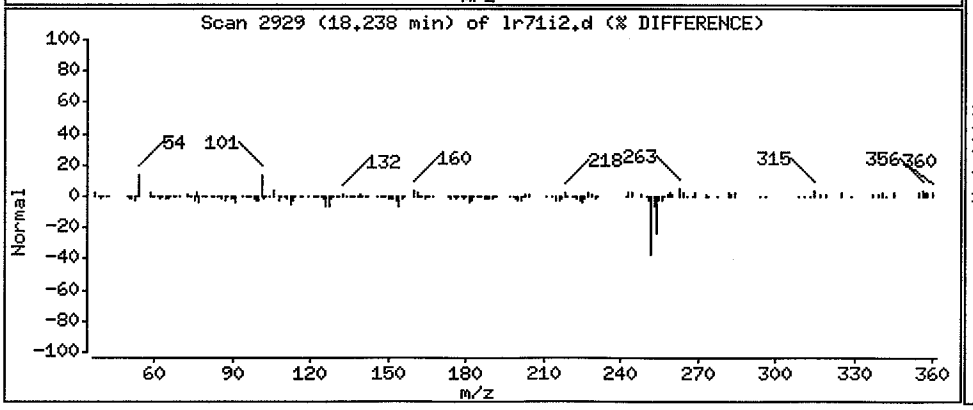
68 Benzo(a)anthracene

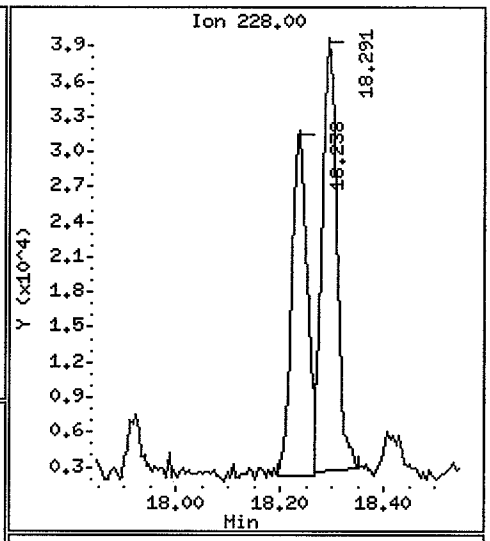
Concentration: 28.20 ug/Kg

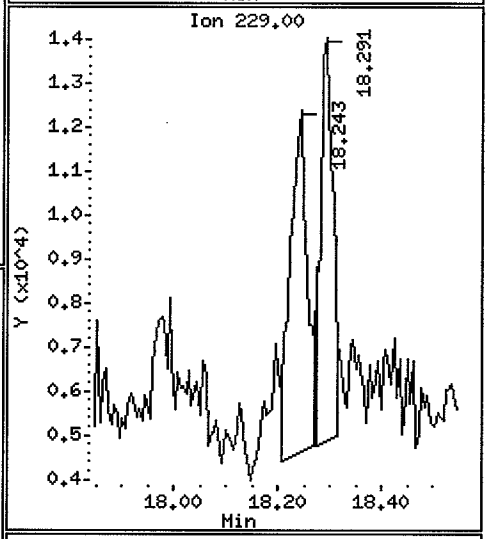


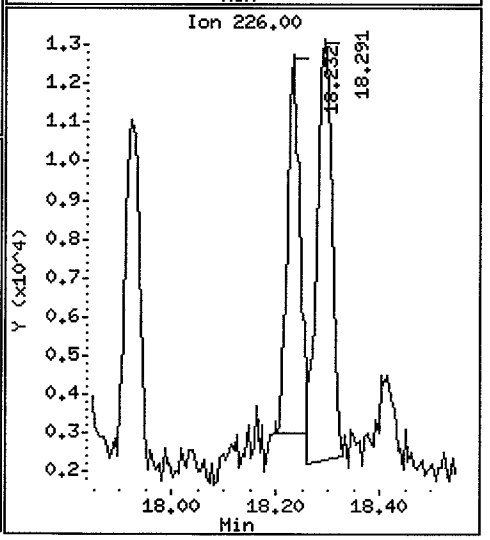












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

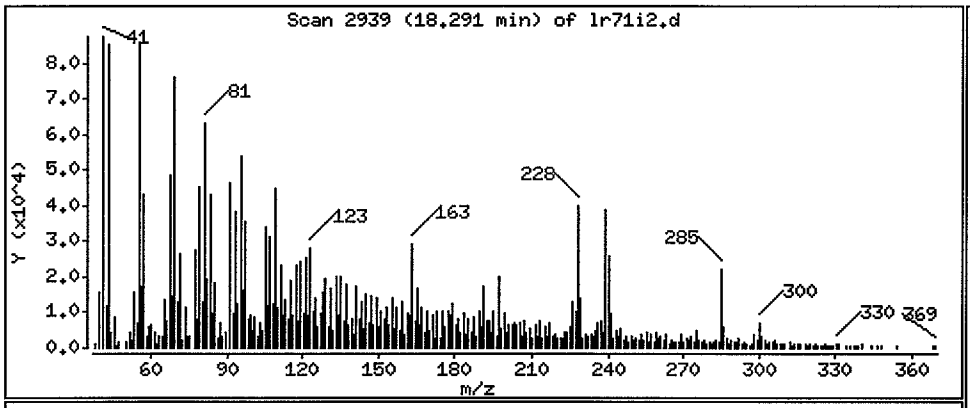
Operator: VTS

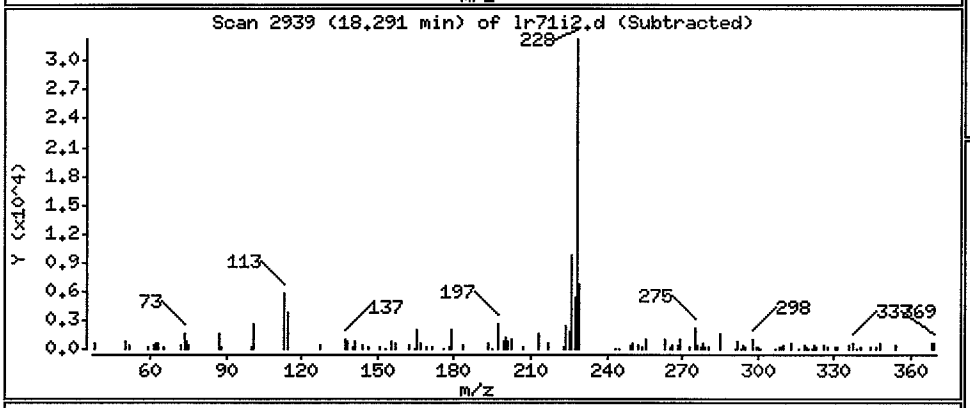
Column phase: ZB-5

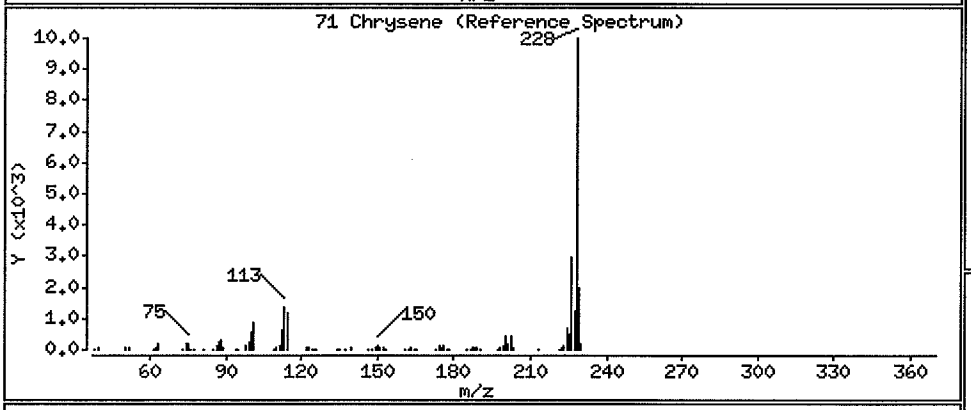
Column diameter: 0.32

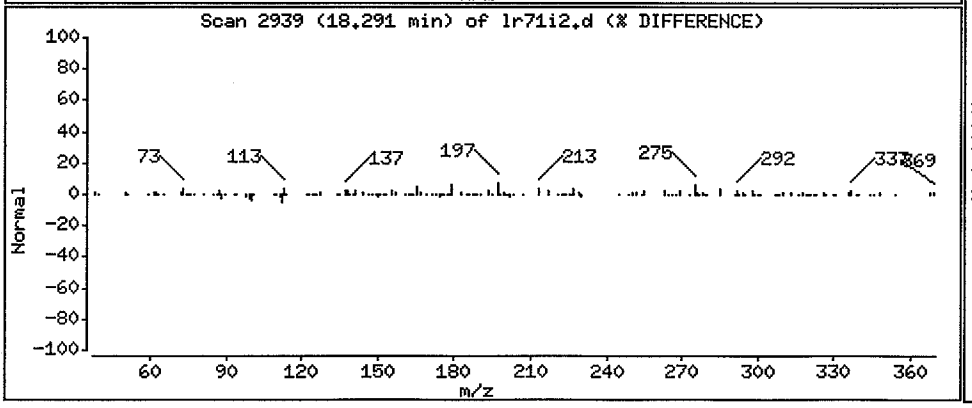
71 Chrysene

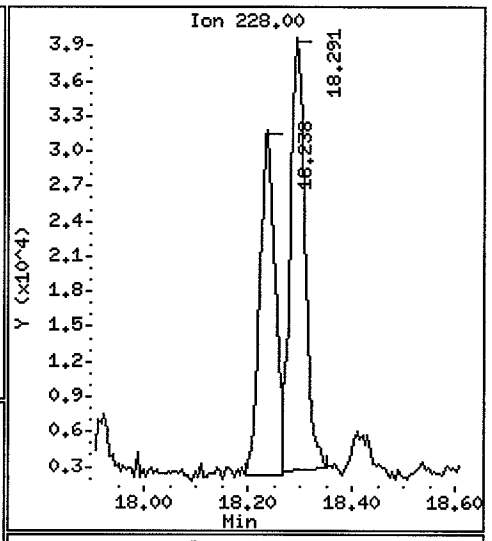
Concentration: 35.13 ug/Kg

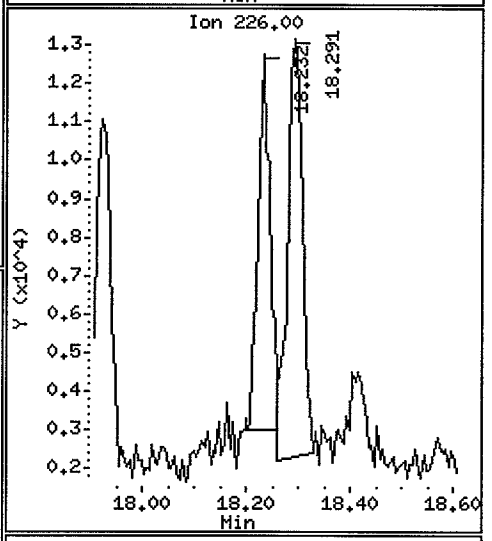


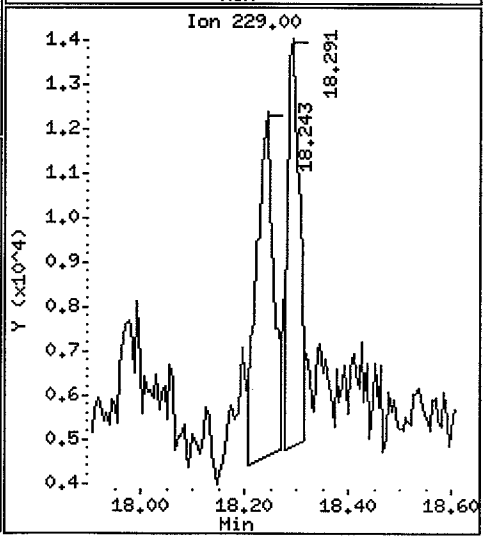












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

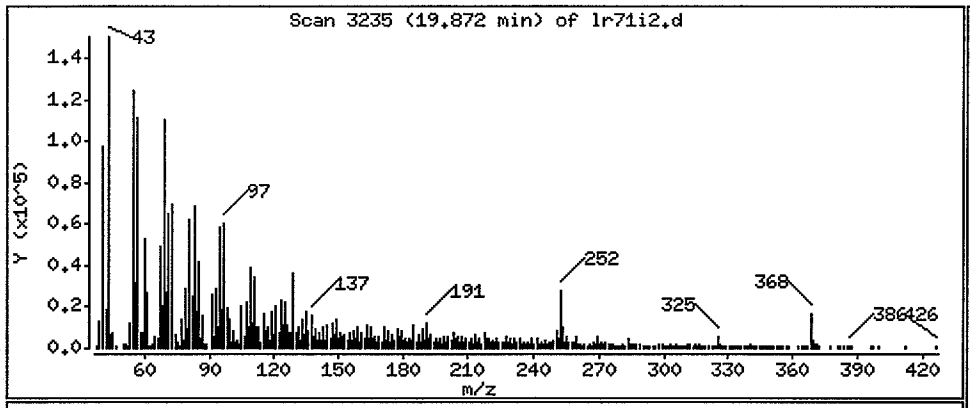
Operator: VTS

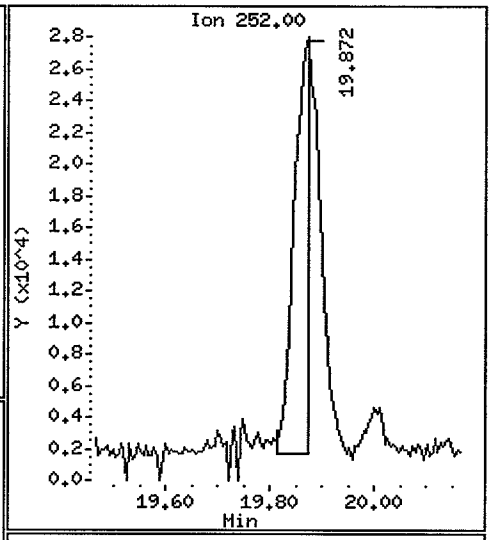
Column phase: ZB-5

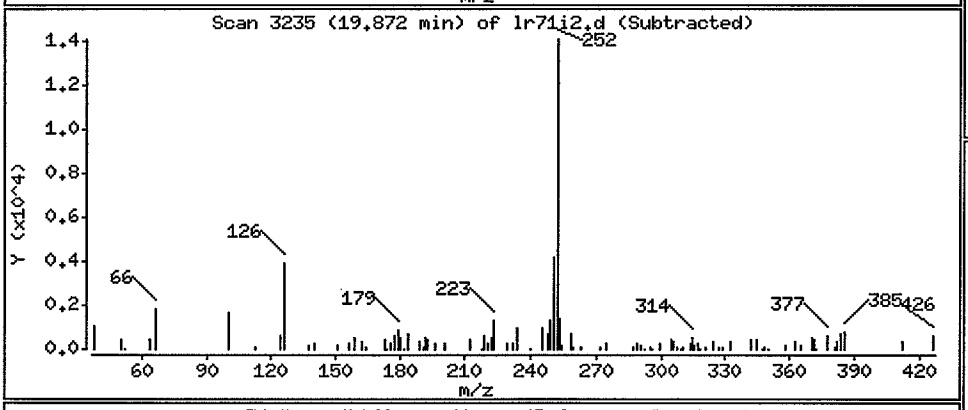
Column diameter: 0.32

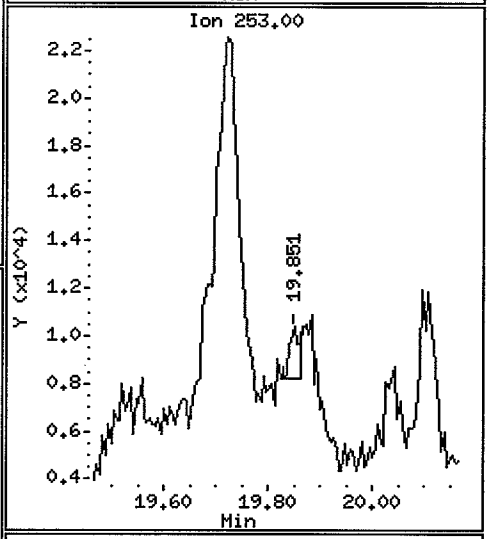
74 Benzo(b)fluoranthene

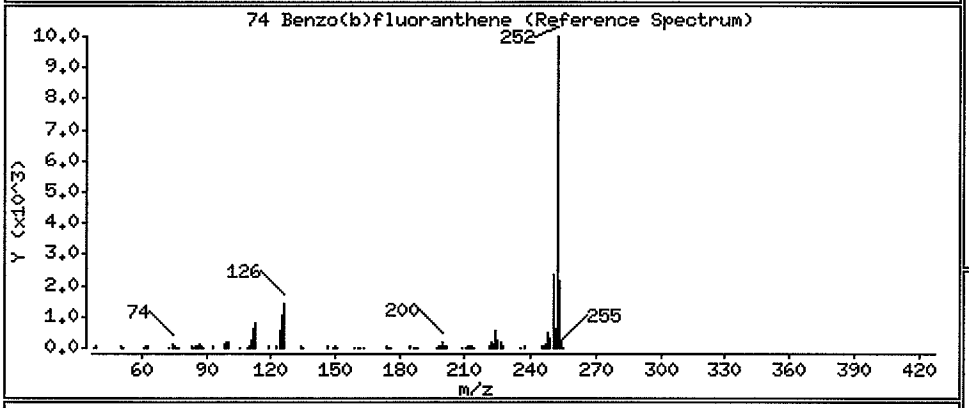
Concentration: 30.30 ug/Kg

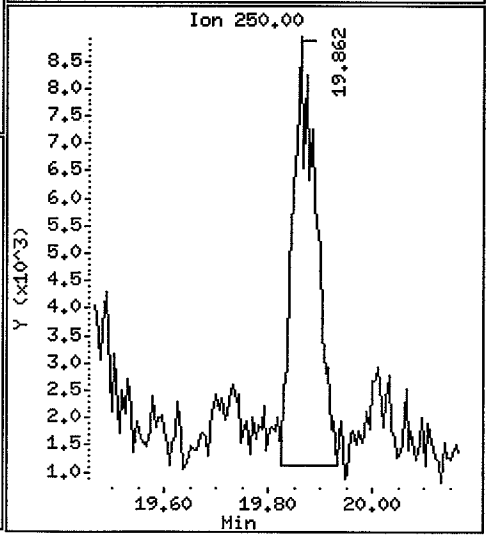


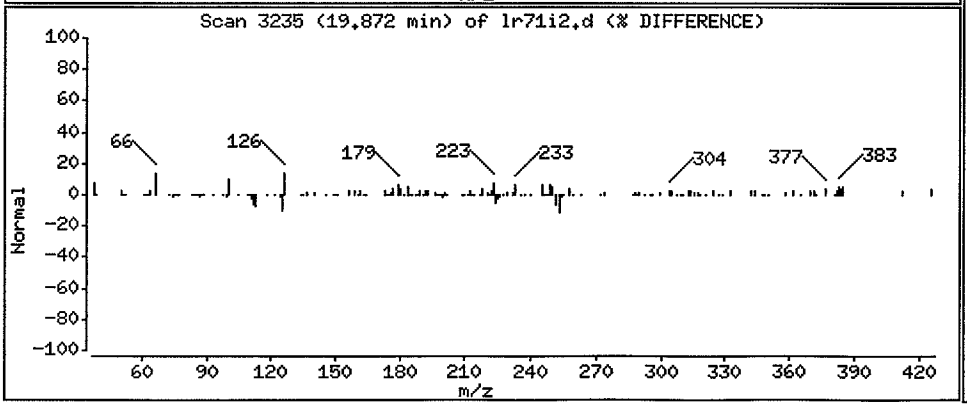












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

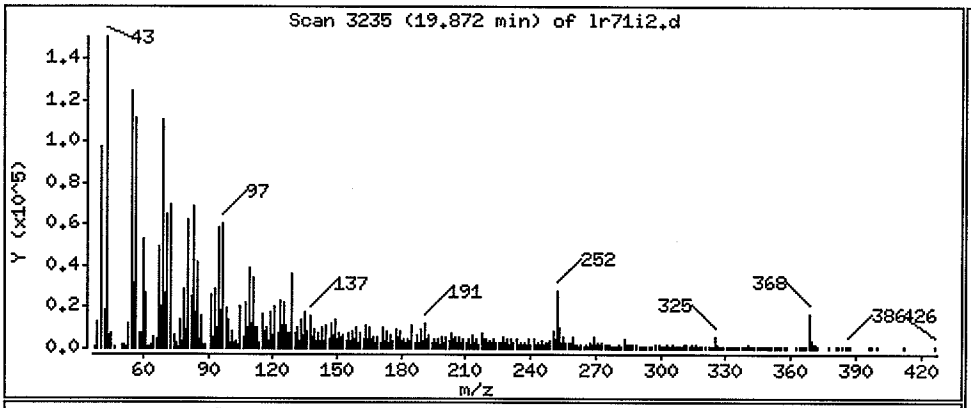
Operator: VTS

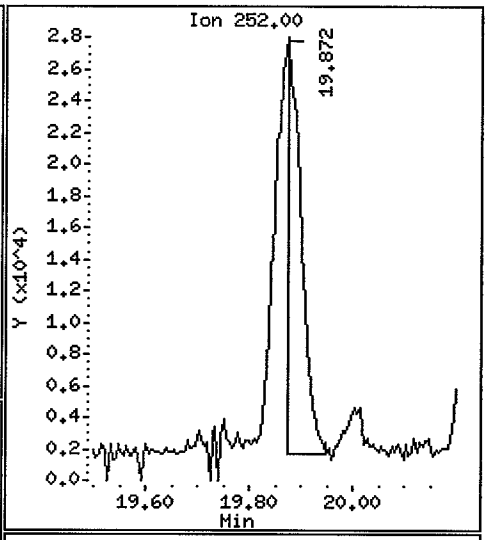
Column phase: ZB-5

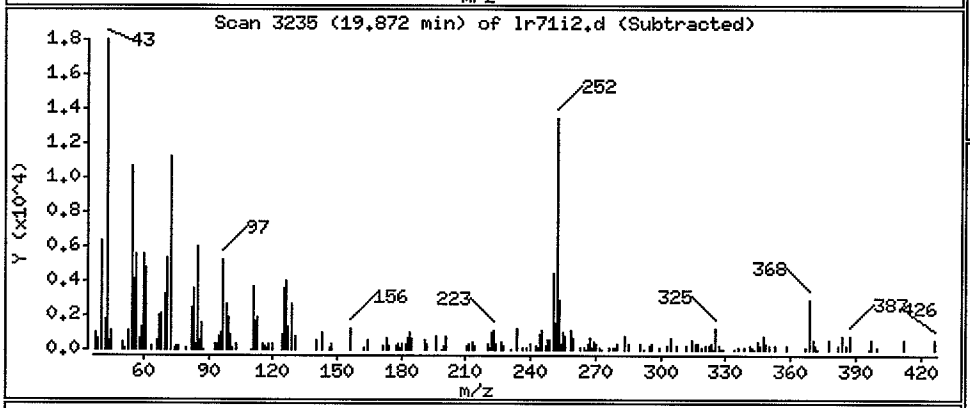
Column diameter: 0.32

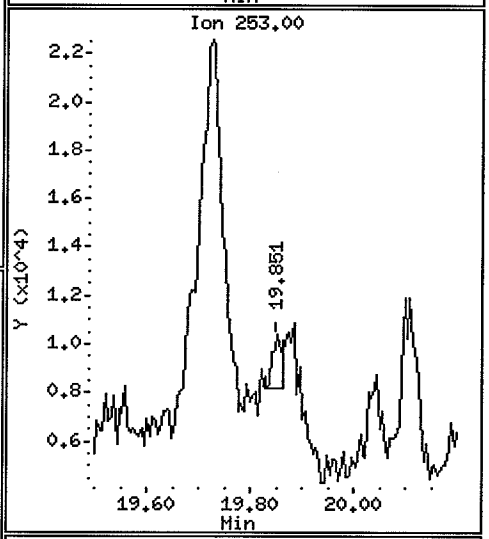
75 Benzo(k)fluoranthene

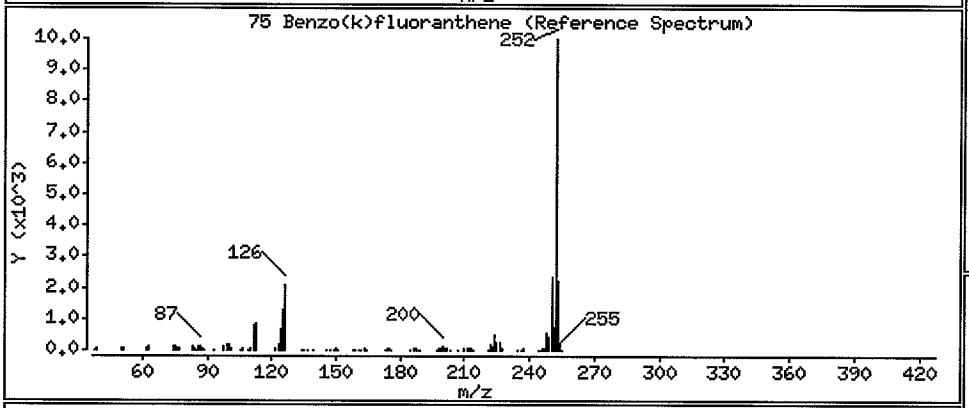
Concentration: 27.77 ug/Kg

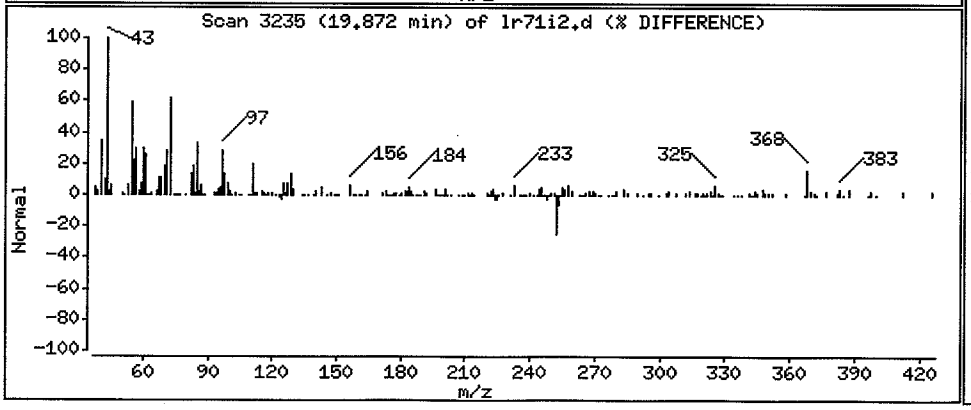


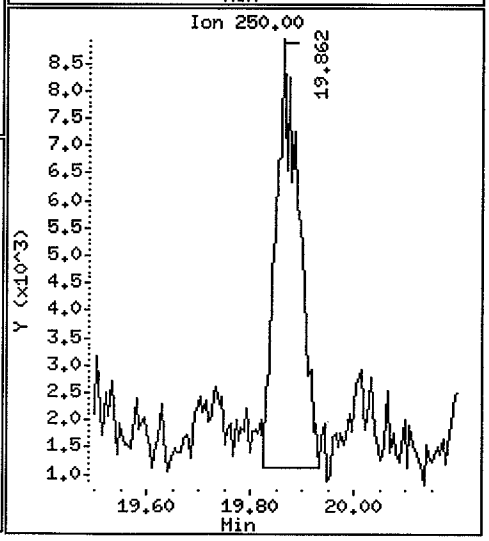












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

Date : 01-NOV-2007 21:21

Client ID:

Instrument: nt4.i

Sample Info: LR71IRE

Volume Injected (uL): 1.0

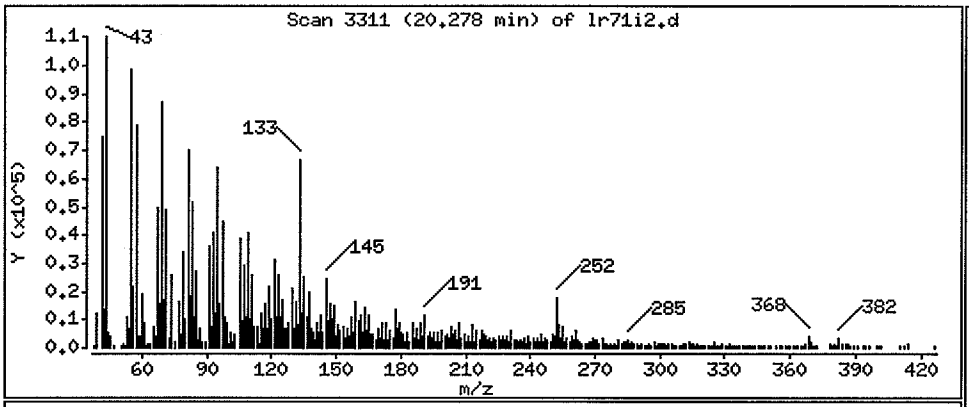
Operator: VTS

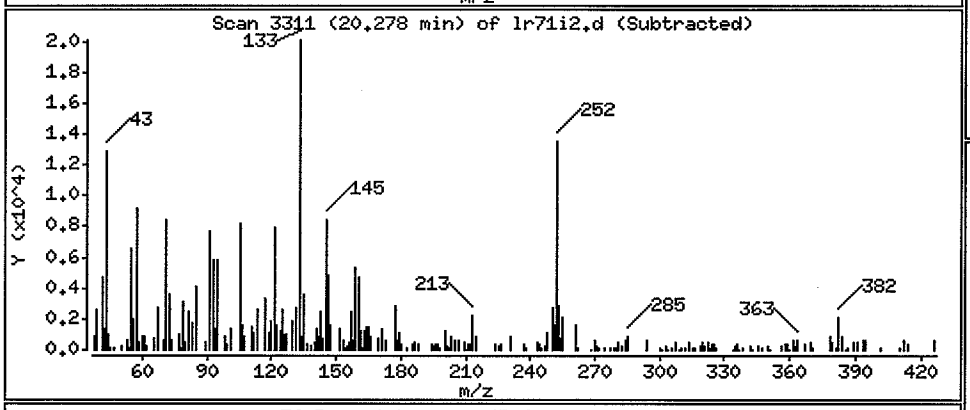
Column phase: ZB-5

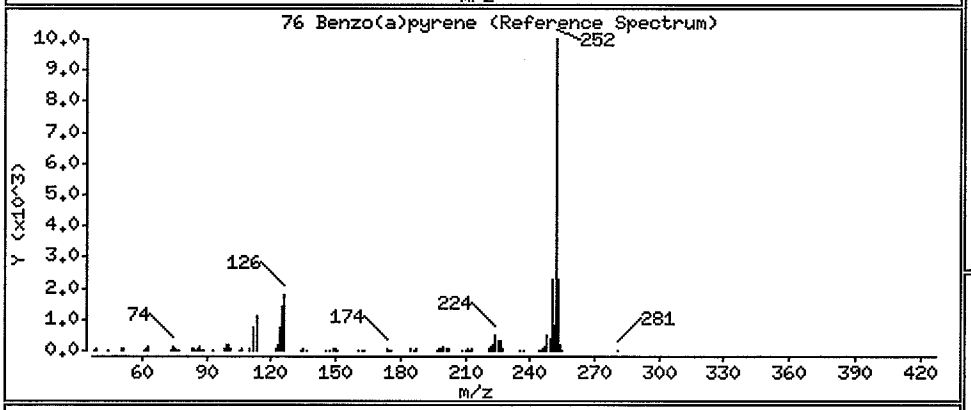
Column diameter: 0.32

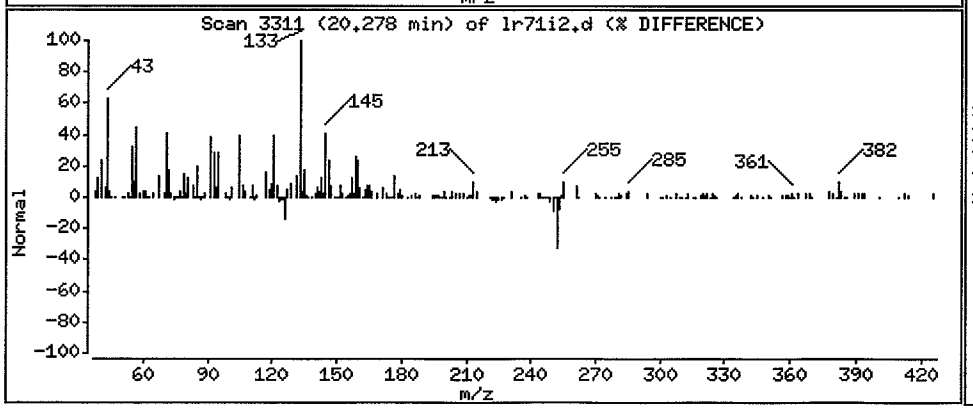
76 Benzo(a)pyrene

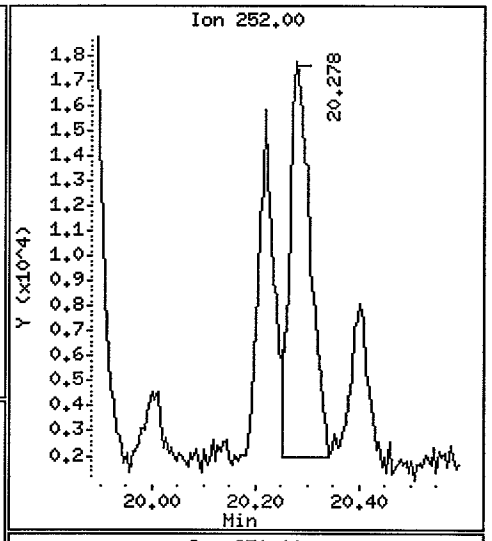
Concentration: 29.52 ug/Kg

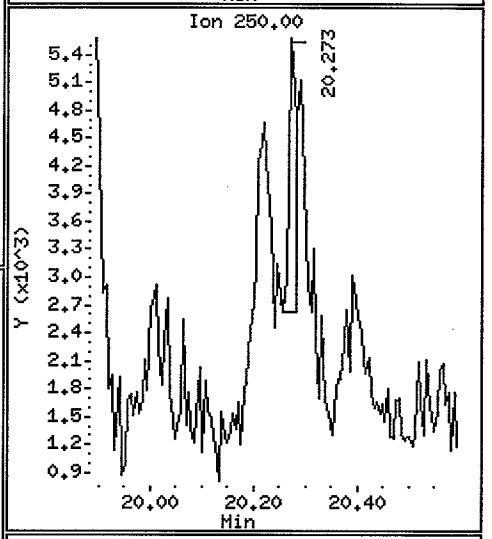


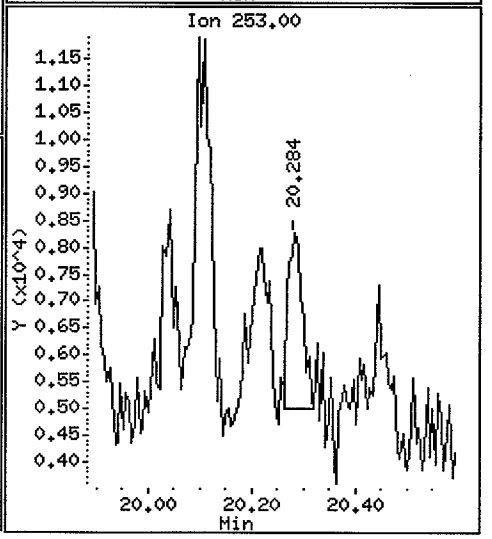












Data File: /chem3/nt4.i/20071101.b/lr71i2.d

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

