	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	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	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

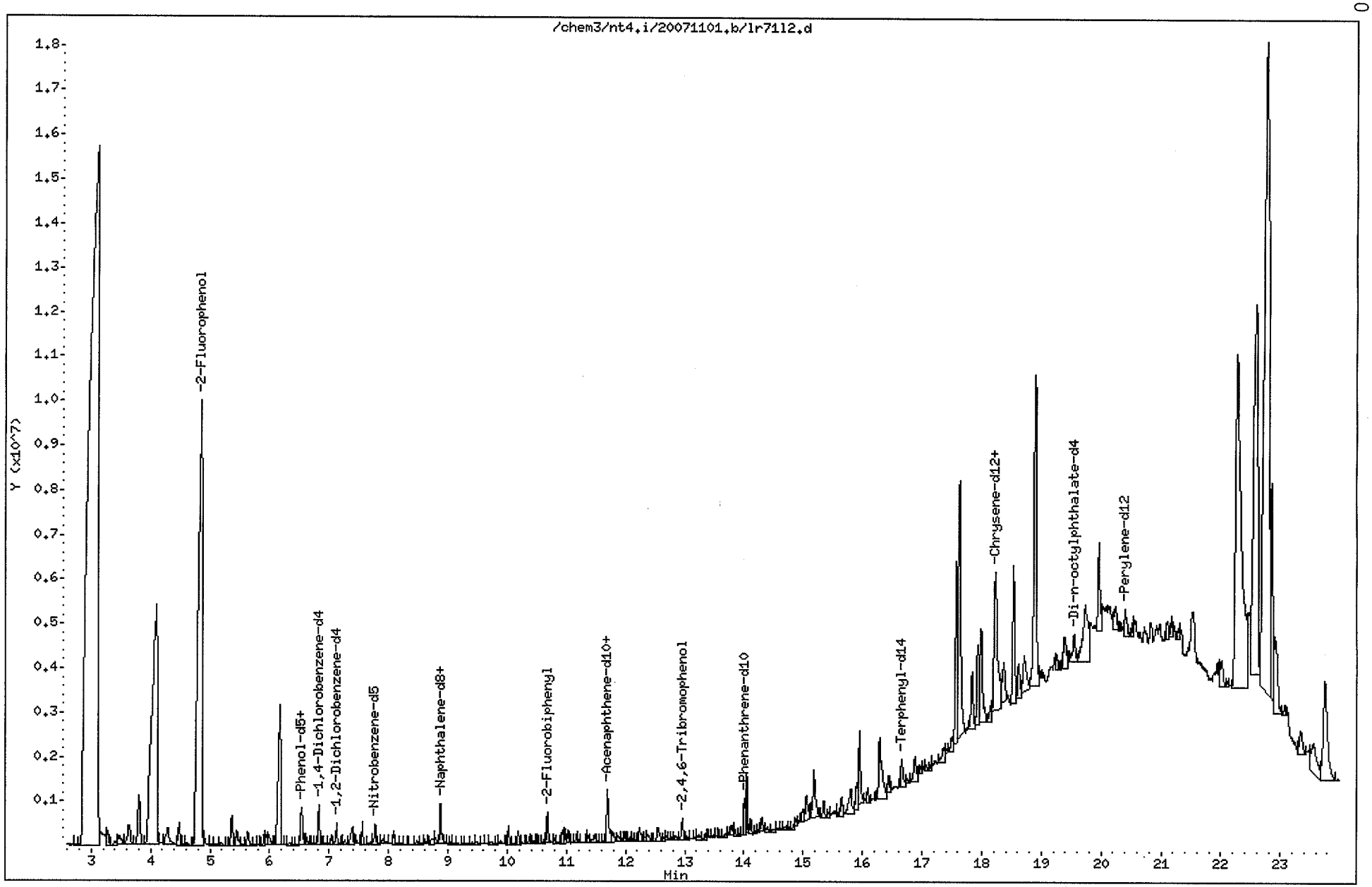
Client Name: Client SDG: 20071101
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: LR71LRE
Level: LOW Operator: VTS
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: PSDDALCS.spk Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

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

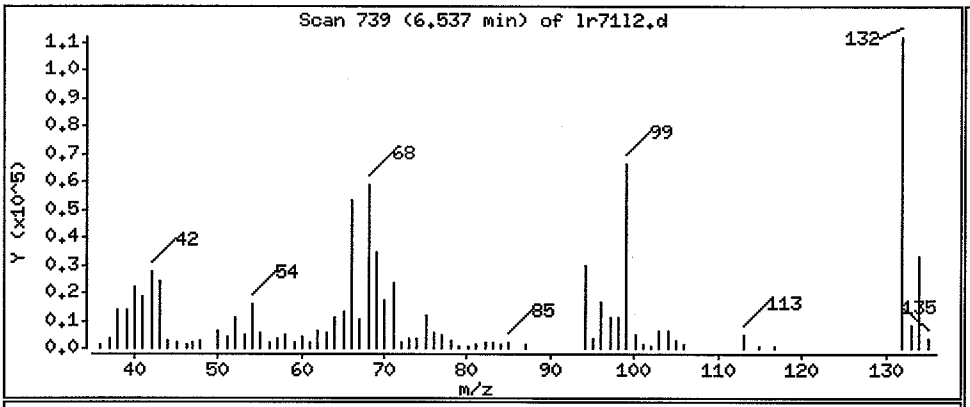
Operator: VTS

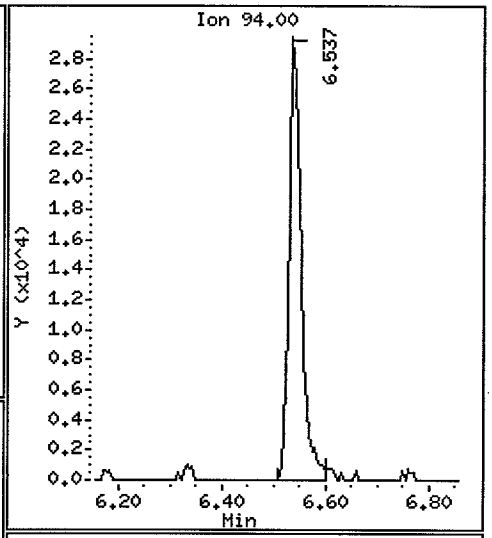
Column phase: ZB-5

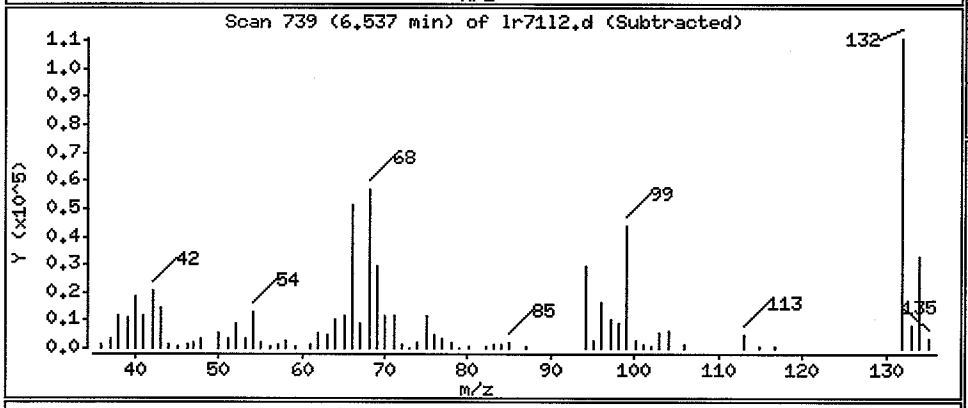
Column diameter: 0.32

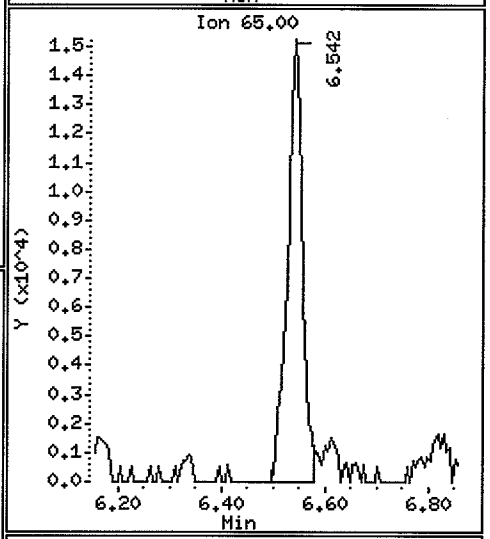
3 Phenol

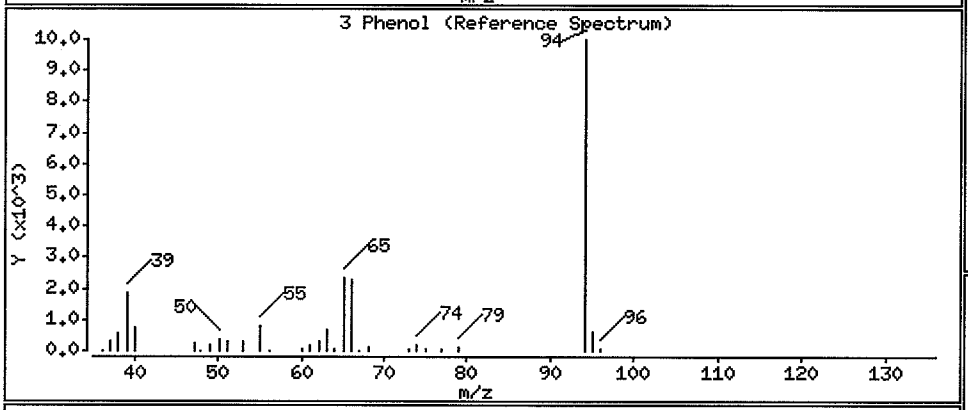
Concentration: 52.33 ug/Kg

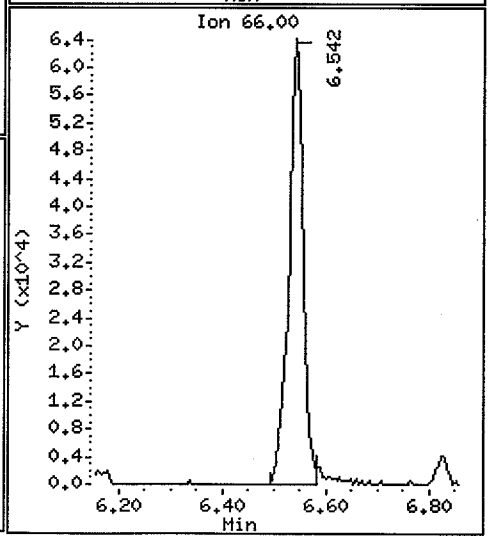


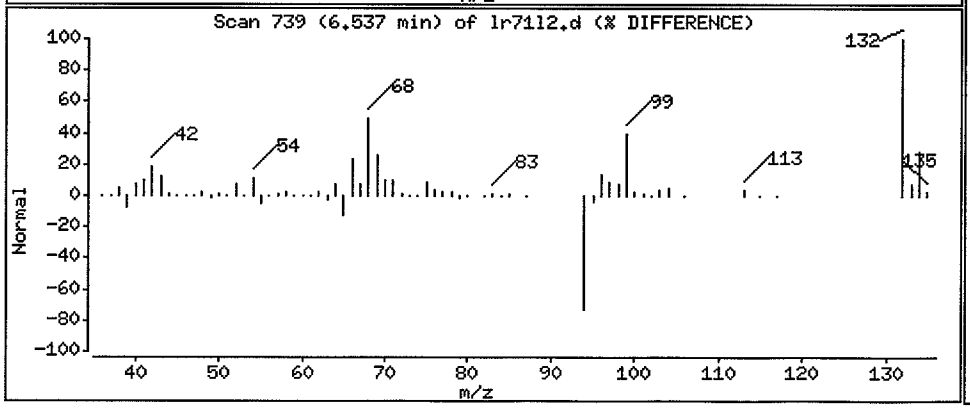












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

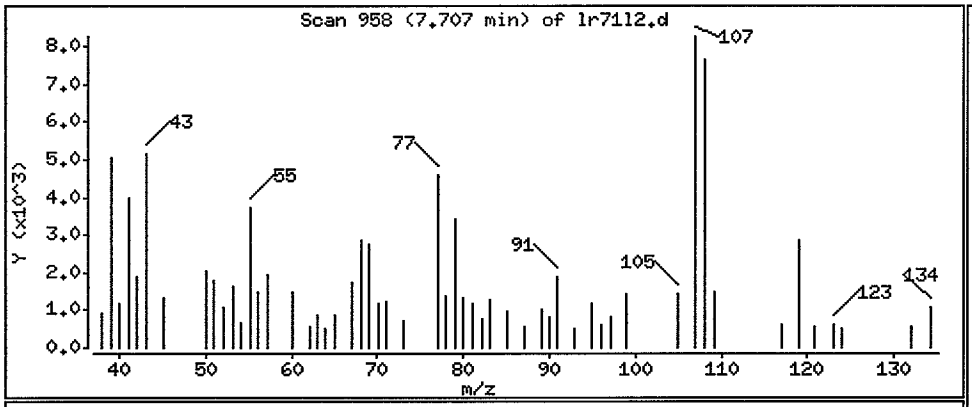
Operator: VTS

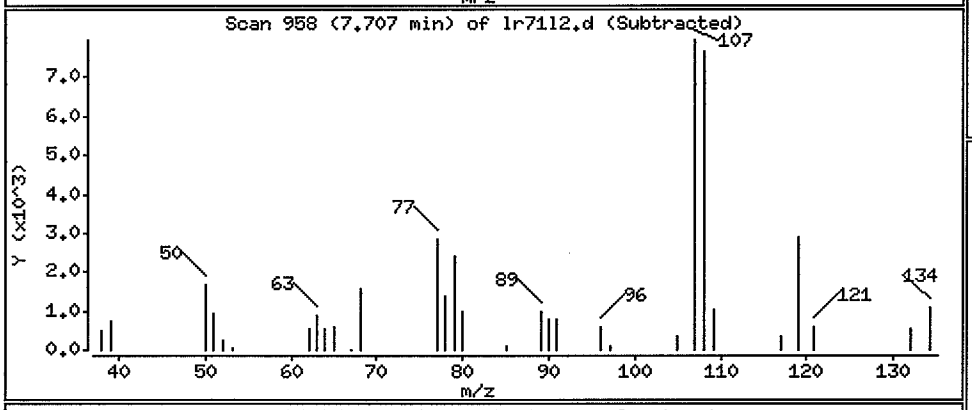
Column phase: ZB-5

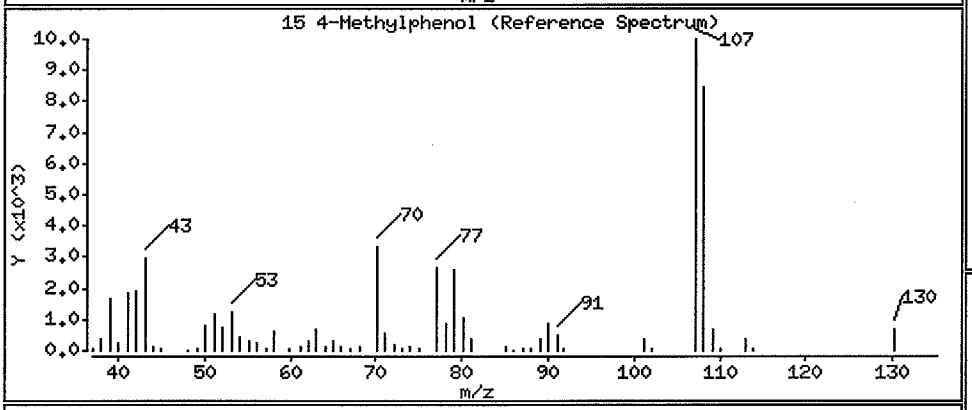
Column diameter: 0.32

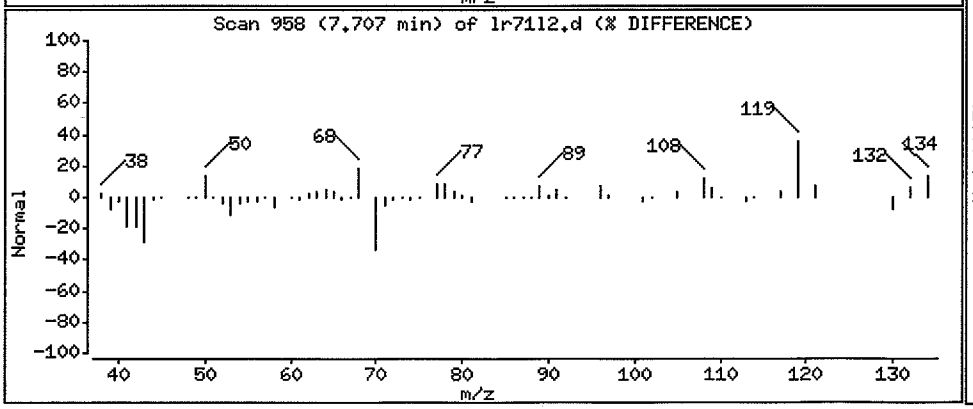
15 4-Methylphenol

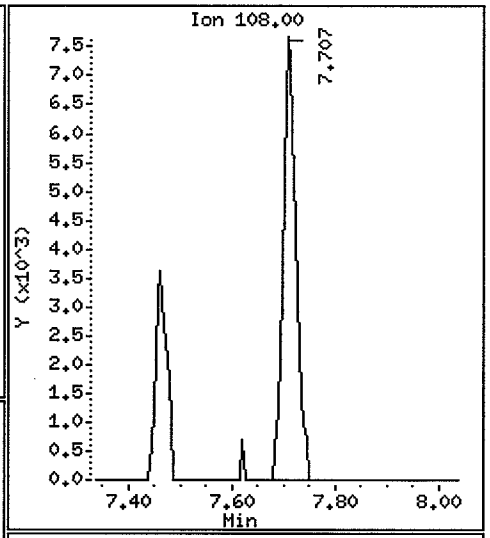
Concentration: 21.93 ug/Kg

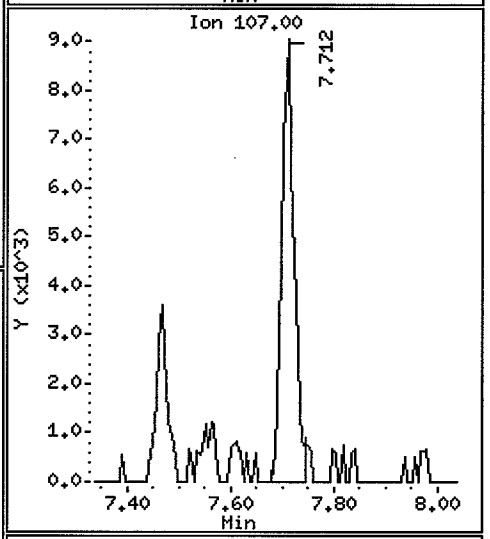


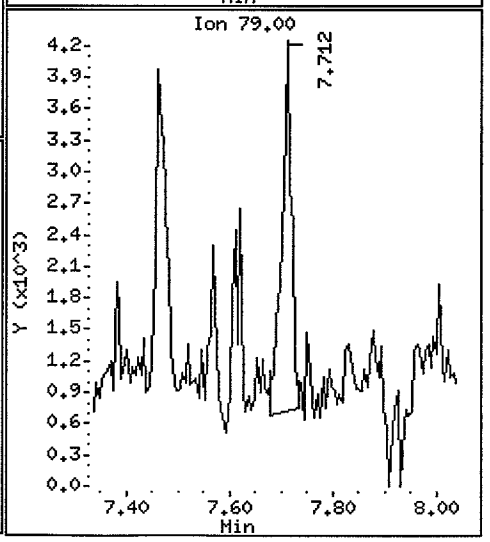












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

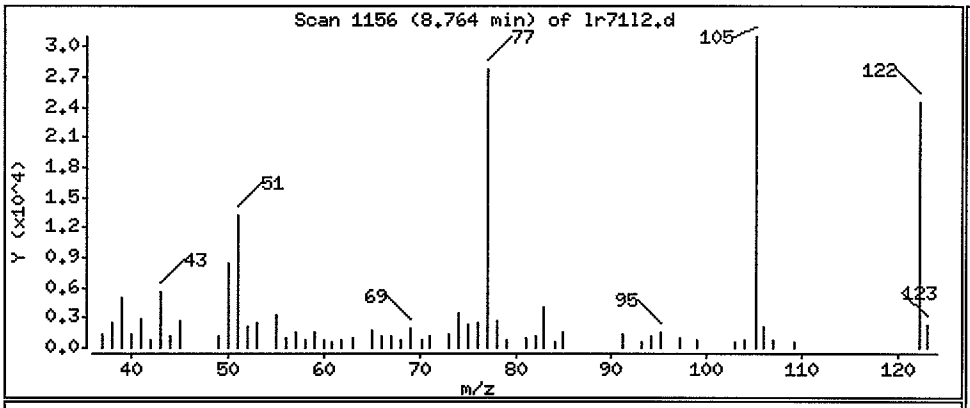
Operator: VTS

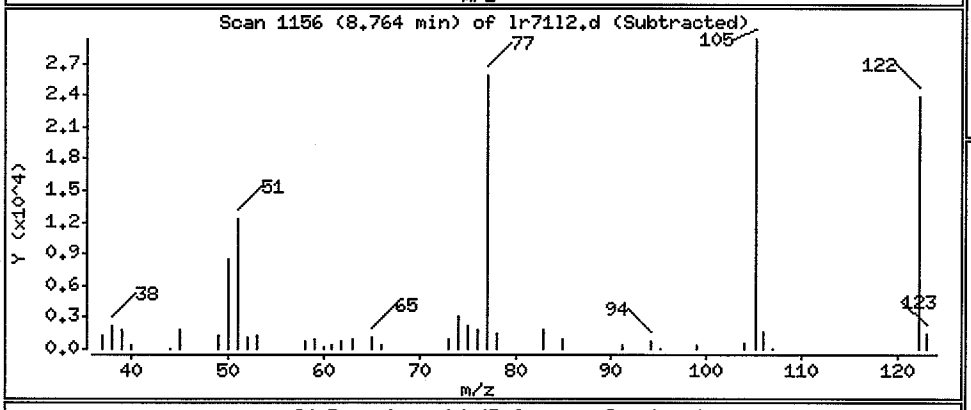
Column phase: ZB-5

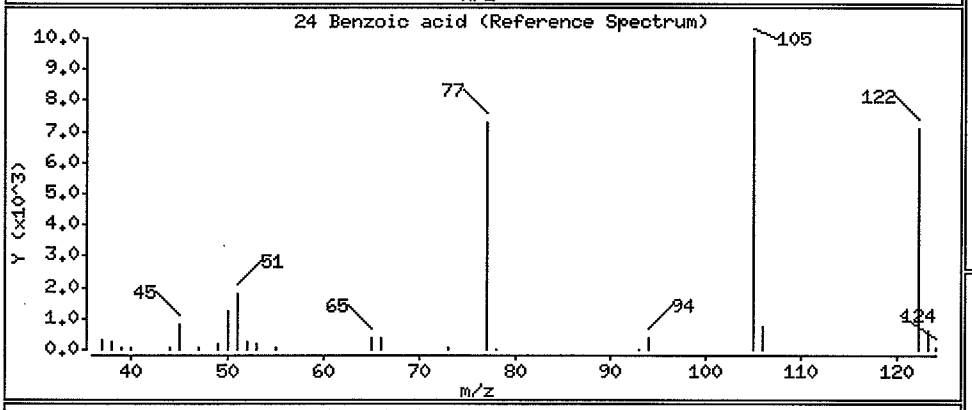
Column diameter: 0.32

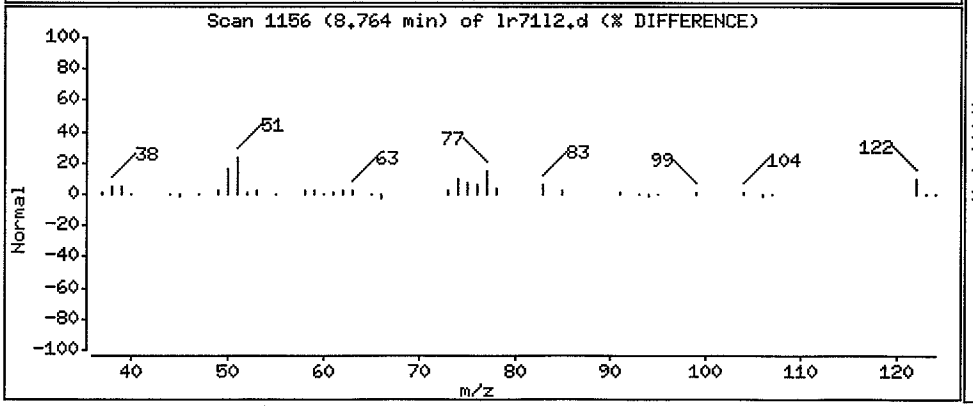
24 Benzoic acid

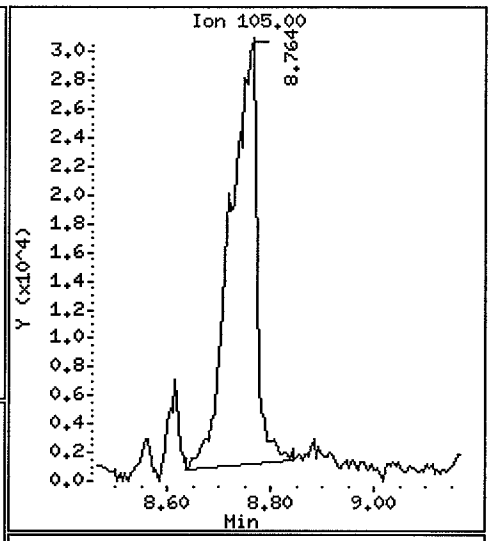
Concentration: 215.2 ug/Kg

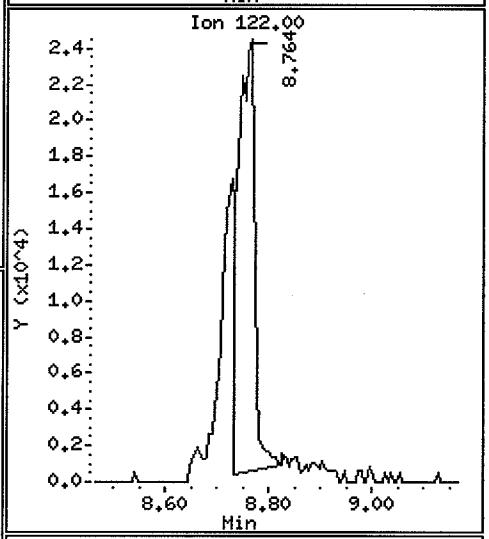


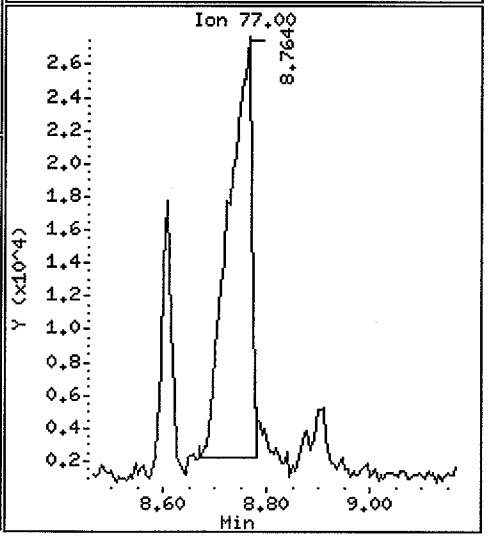












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

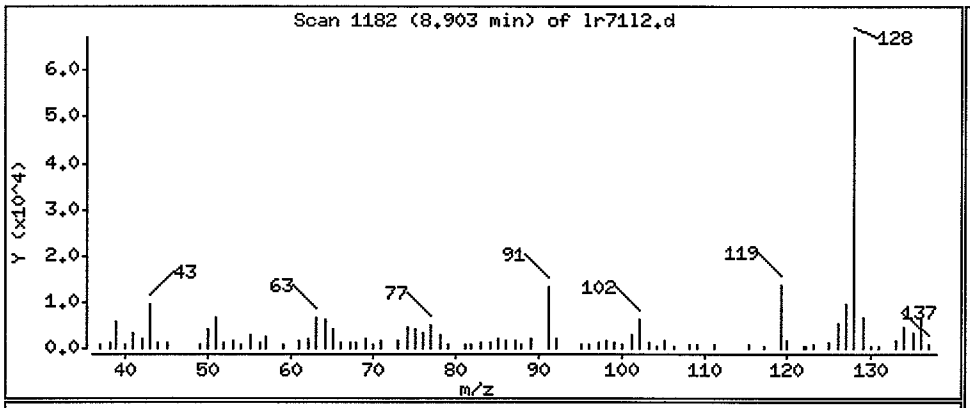
Operator: VTS

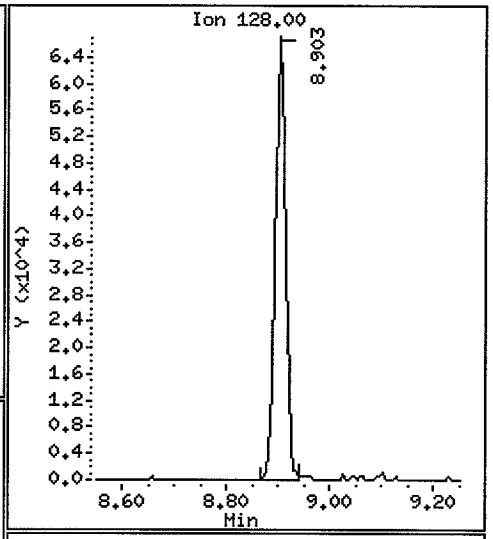
Column phase: ZB-5

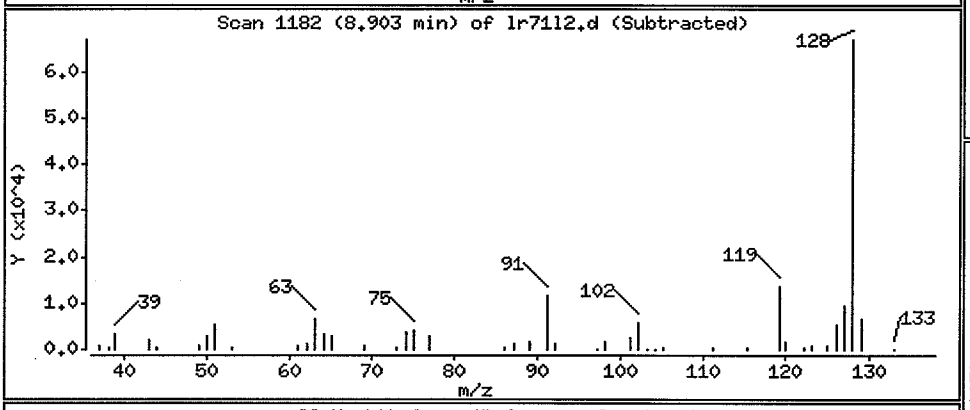
Column diameter: 0.32

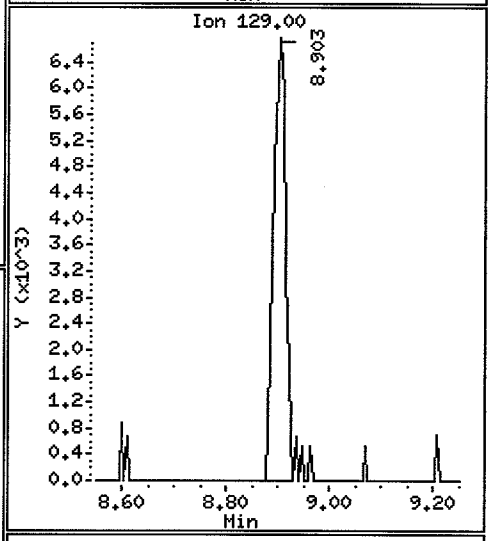
28 Naphthalene

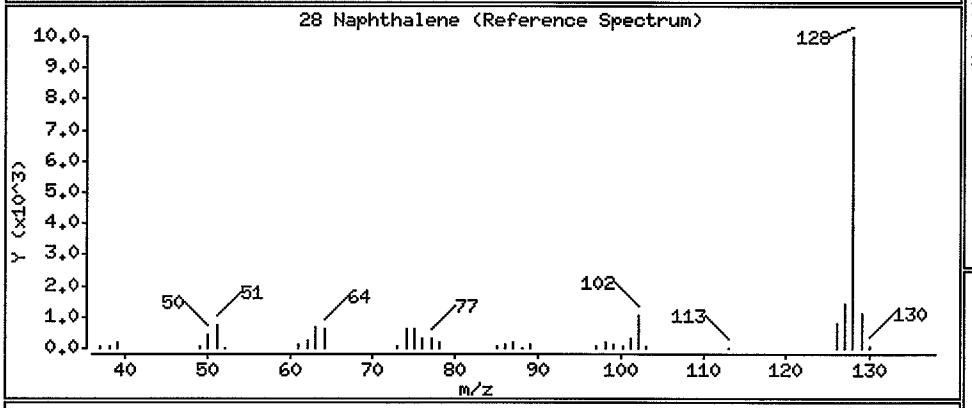
Concentration: 50.41 ug/Kg

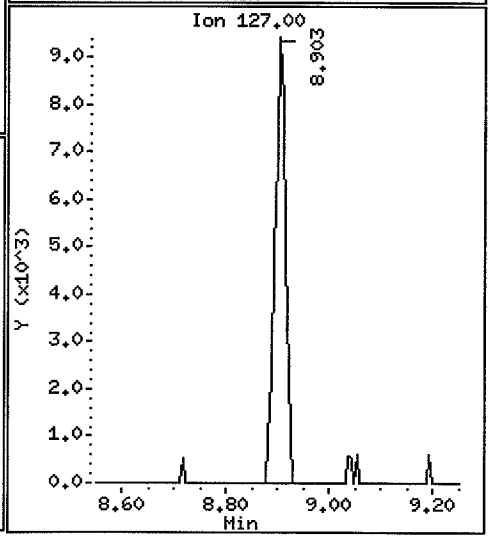


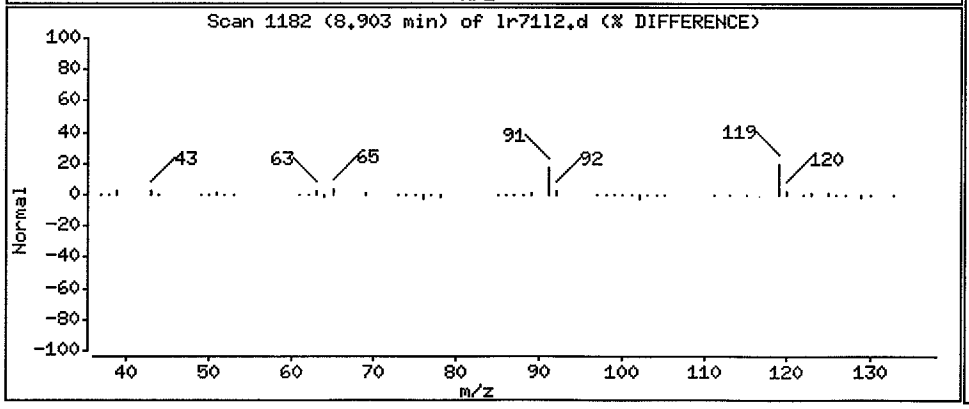












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

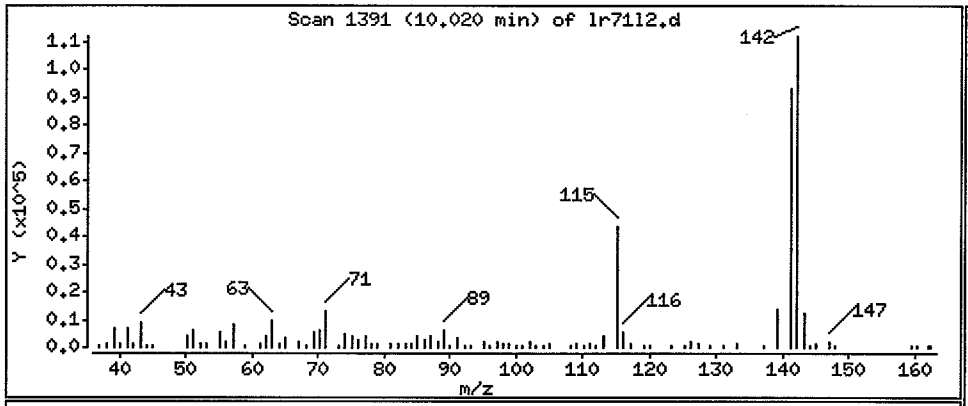
Operator: VTS

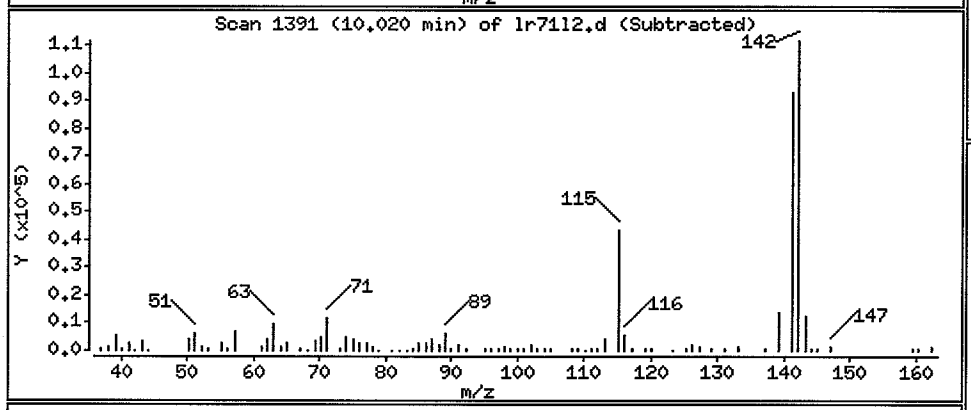
Column phase: ZB-5

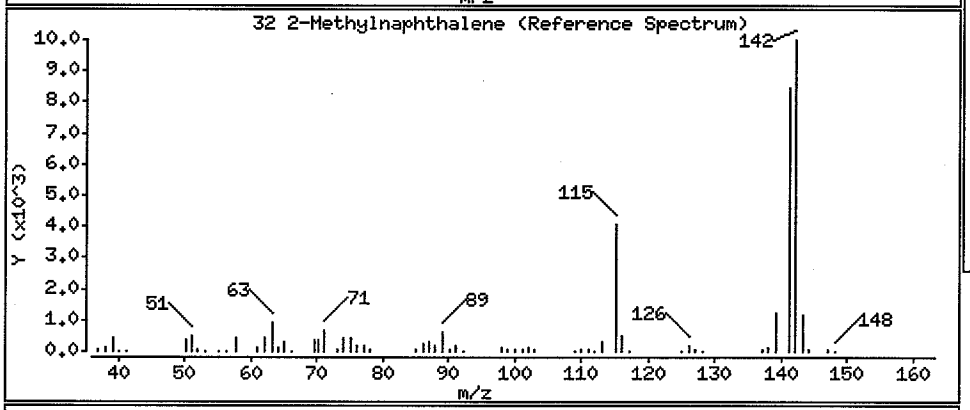
Column diameter: 0.32

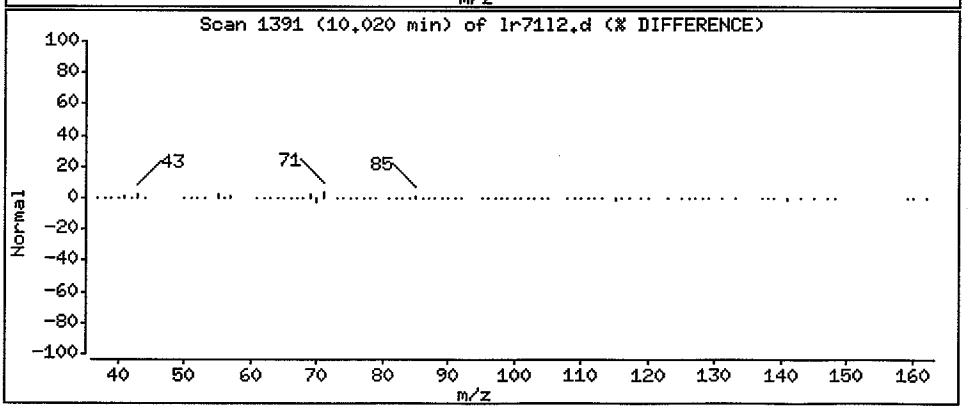
32 2-Methylnaphthalene

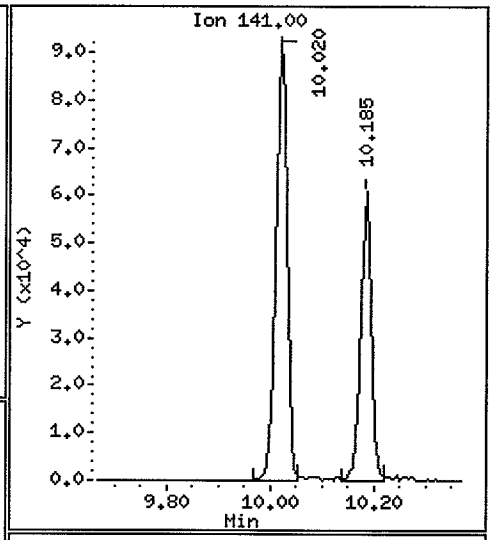
Concentration: 146.5 ug/Kg

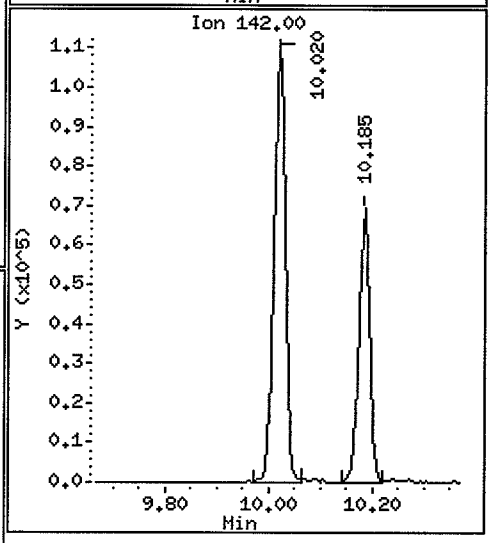












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

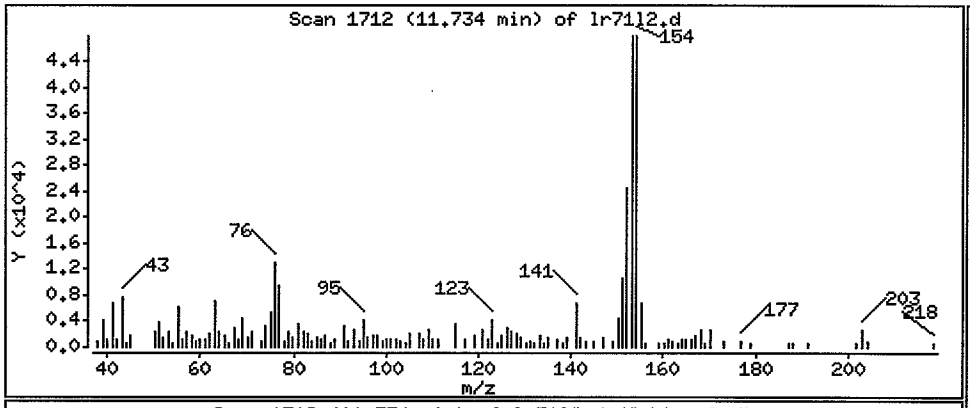
Operator: VTS

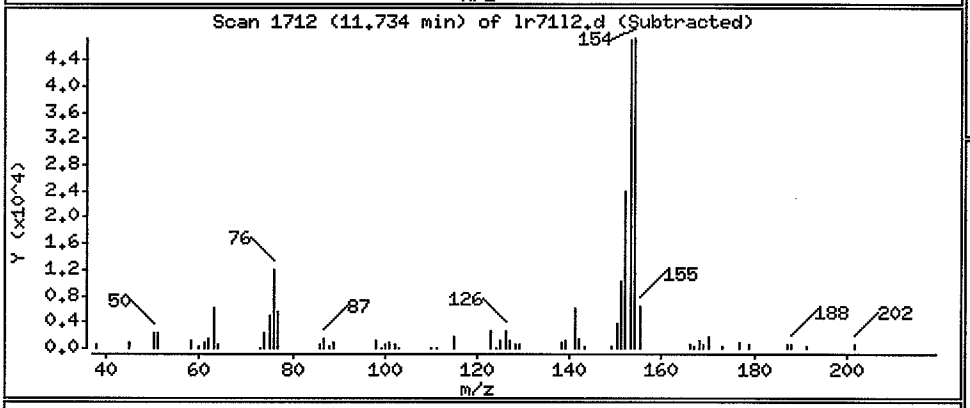
Column phase: ZB-5

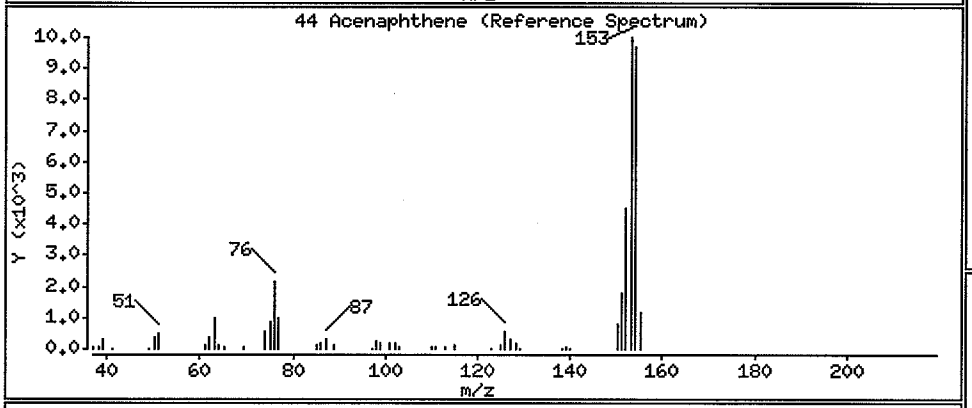
Column diameter: 0.32

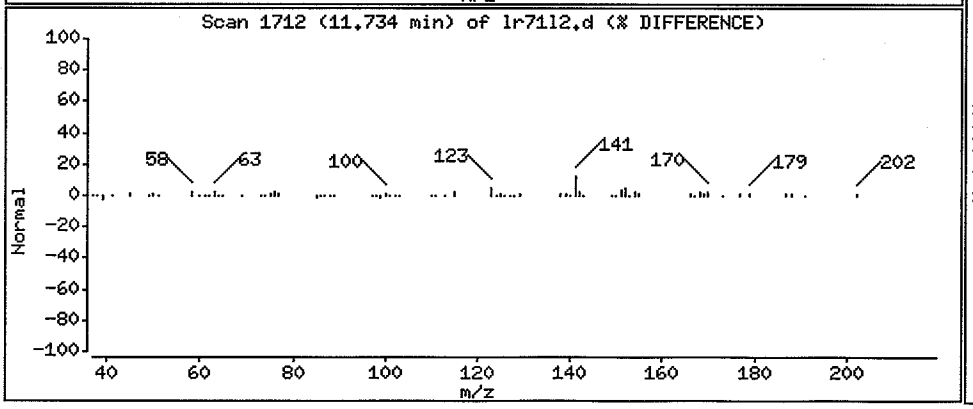
44 Acenaphthene

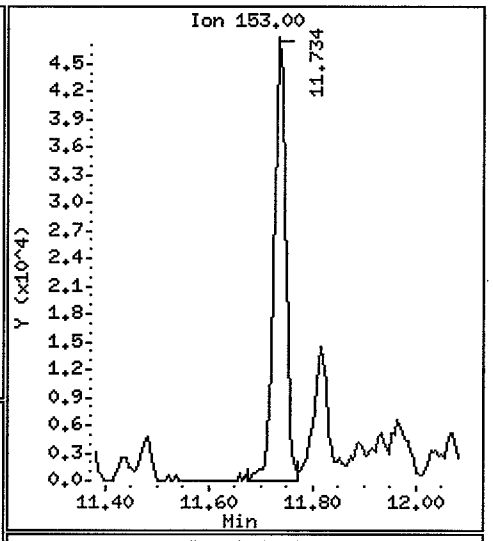
Concentration: 71.11 ug/Kg

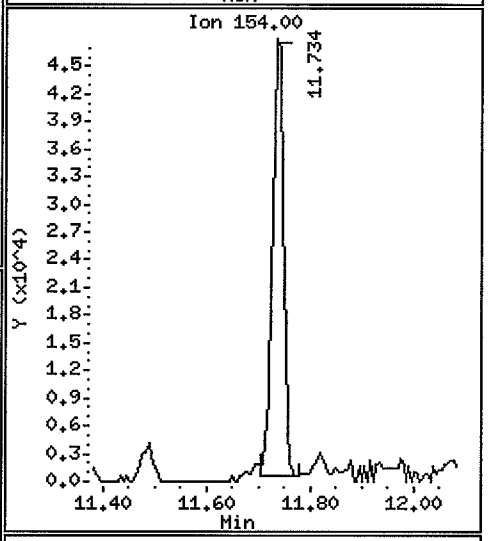


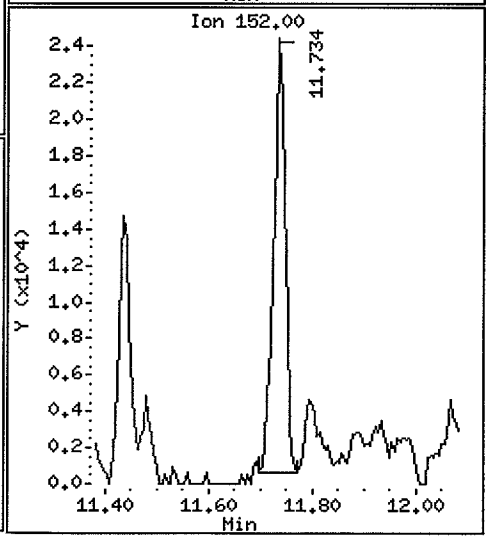












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

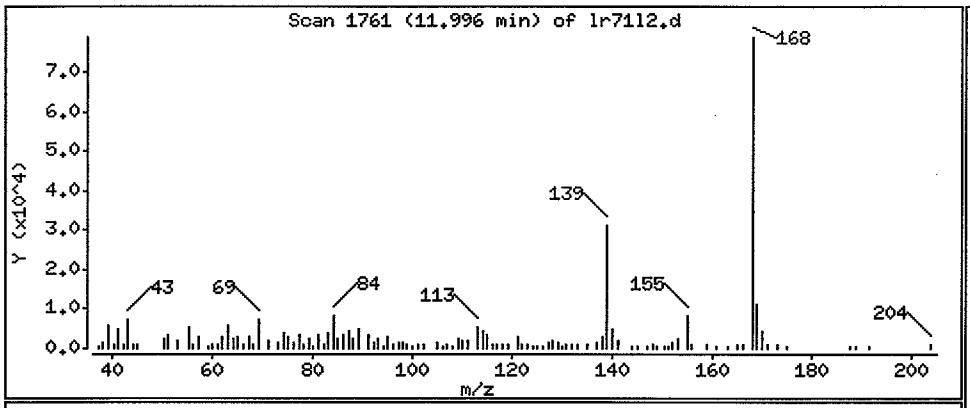
Operator: VTS

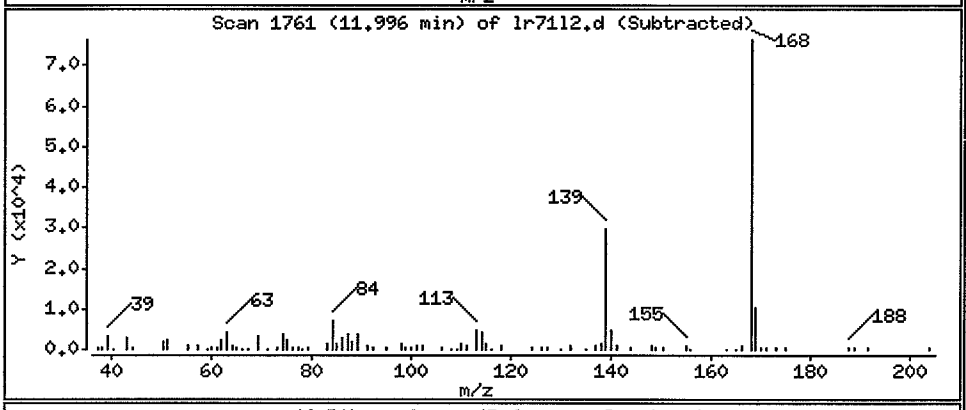
Column phase: ZB-5

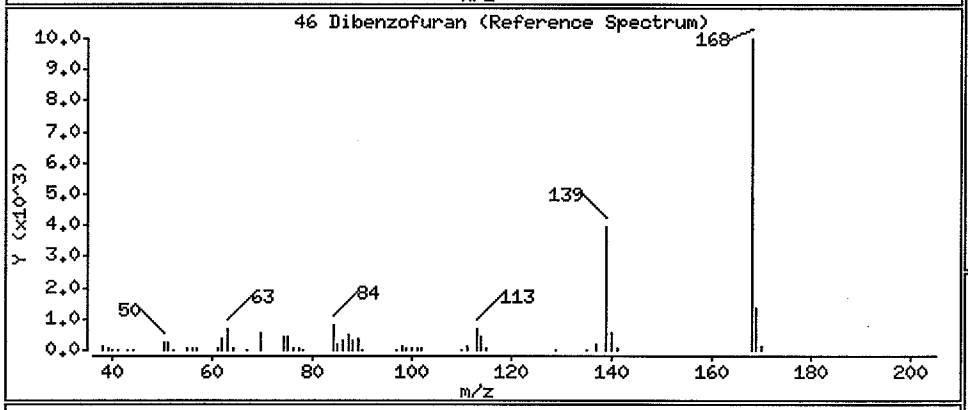
Column diameter: 0.32

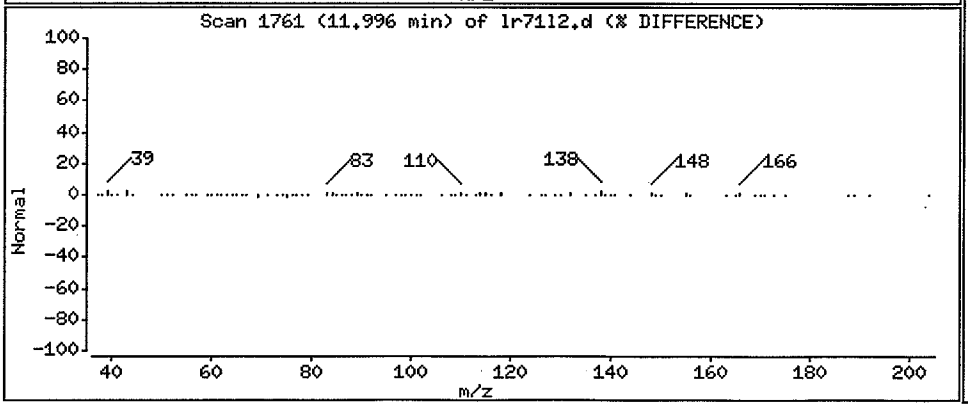
46 Dibenzofuran

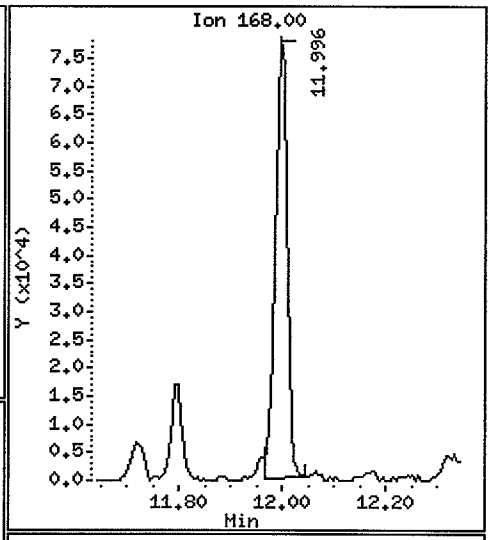
Concentration: 89.16 ug/Kg

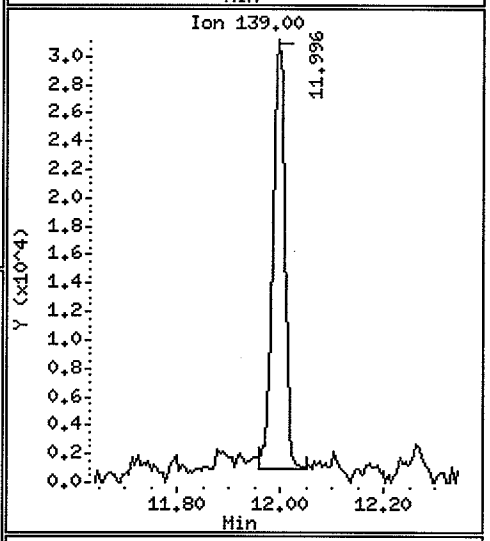


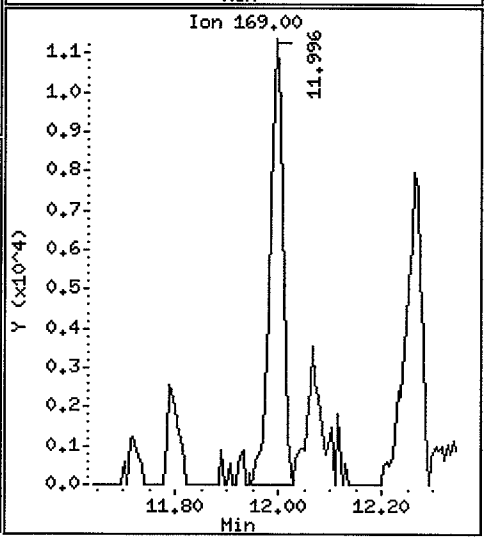












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

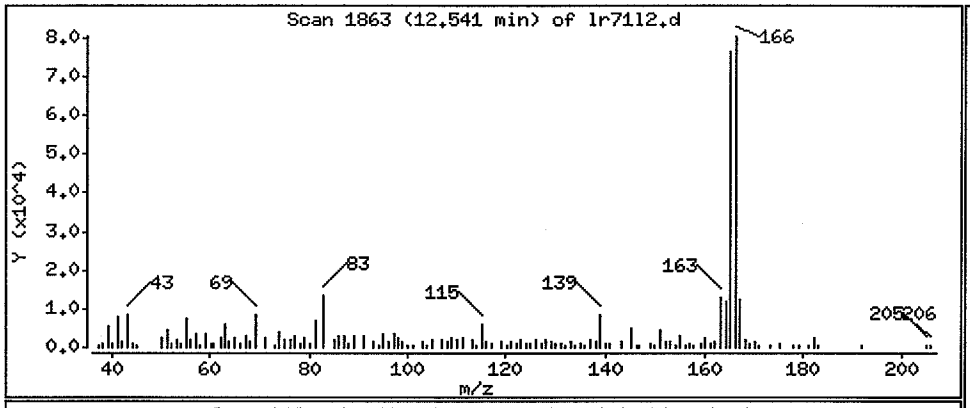
Operator: VTS

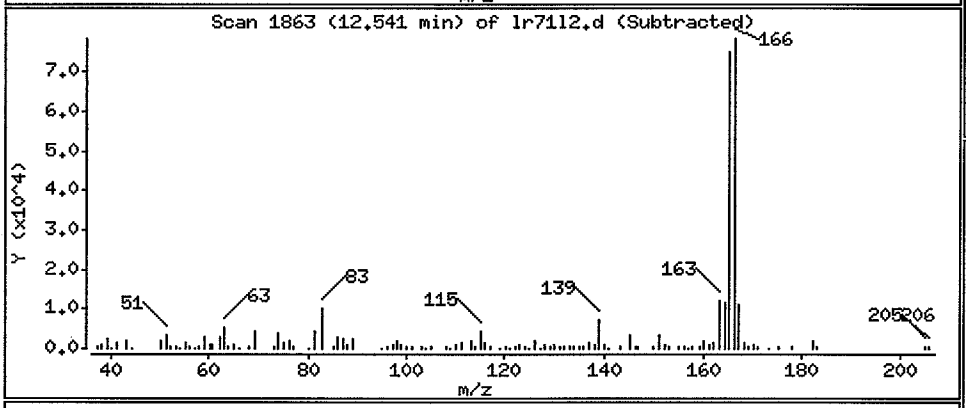
Column phase: ZB-5

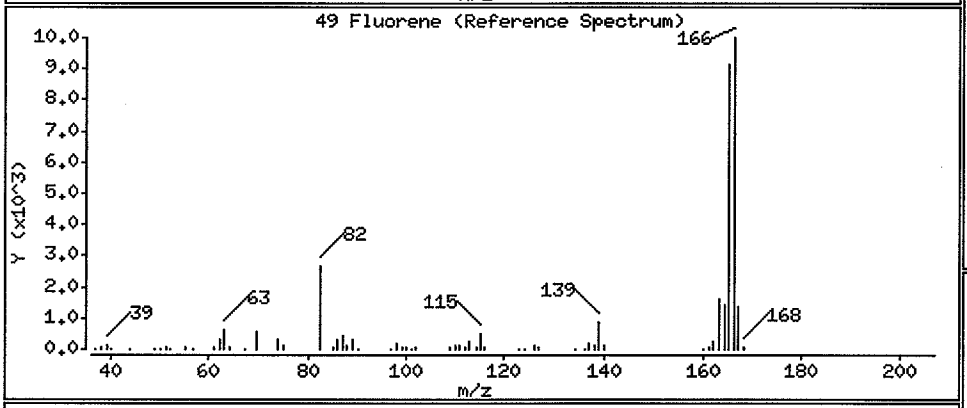
Column diameter: 0.32

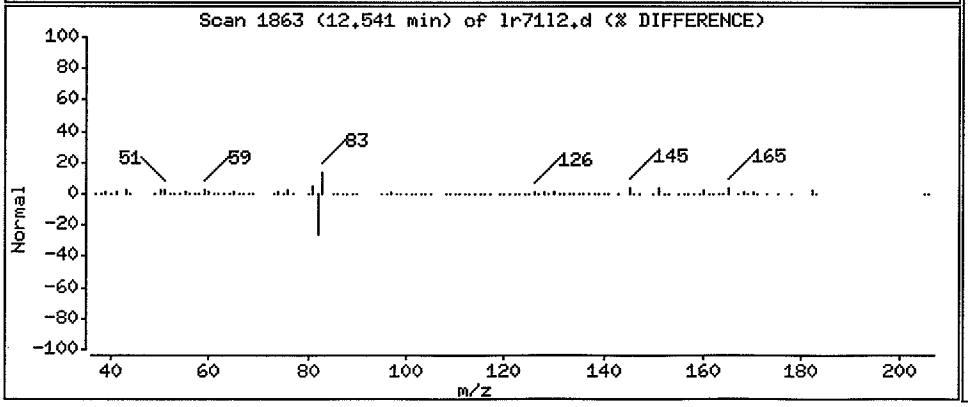
49 Fluorene

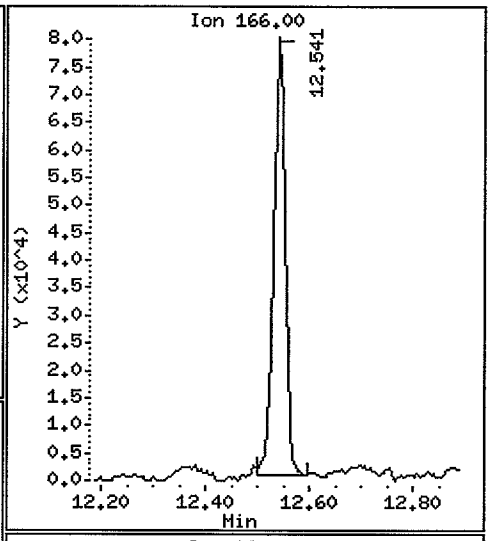
Concentration: 102.5 ug/Kg

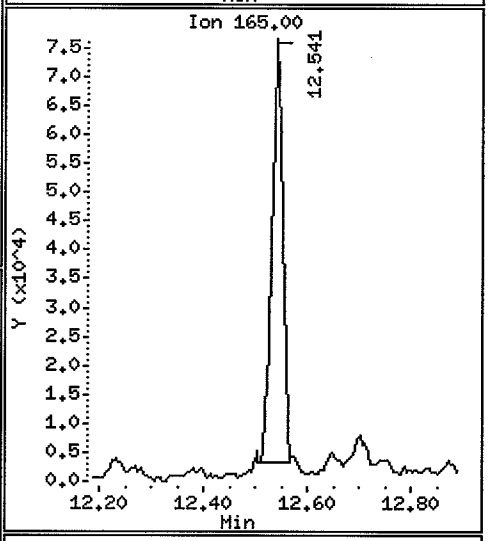


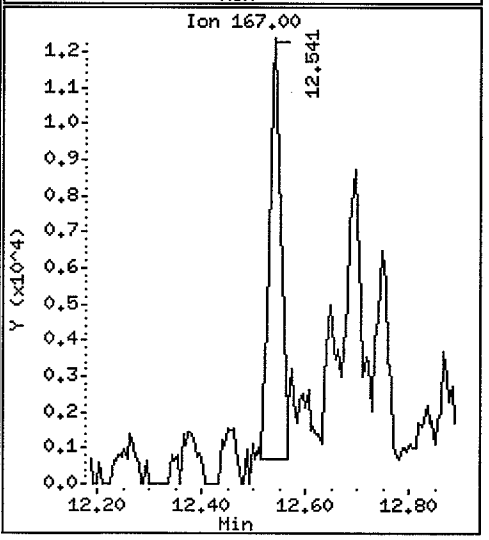












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

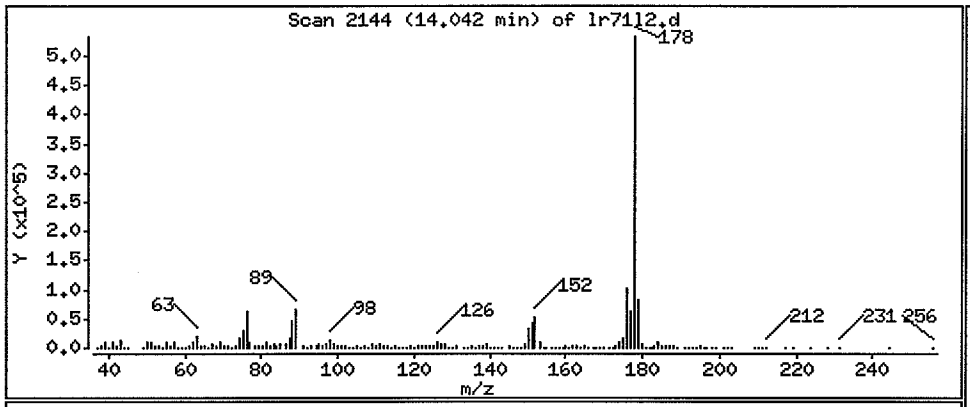
Operator: VTS

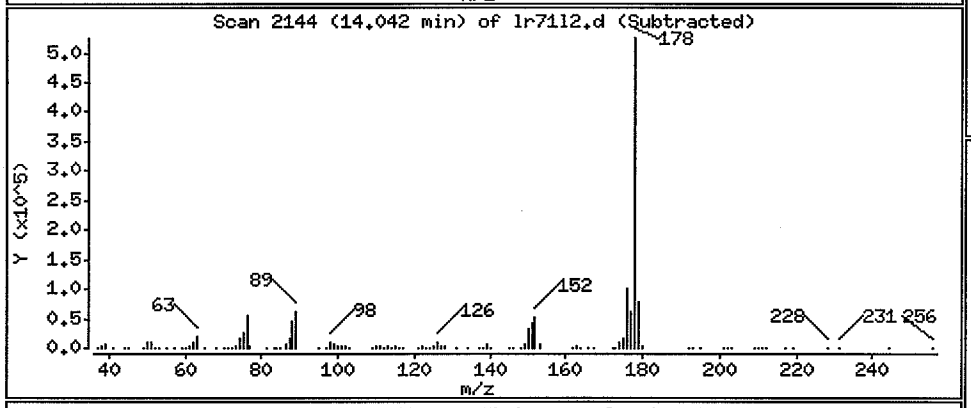
Column phase: ZB-5

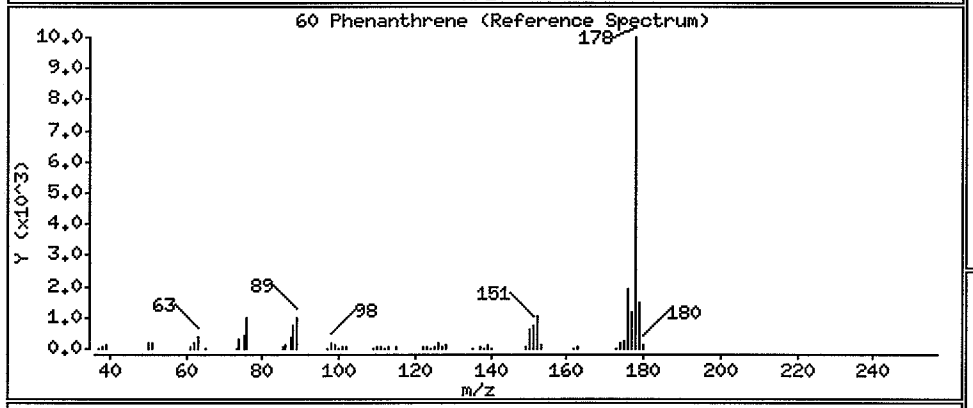
Column diameter: 0.32

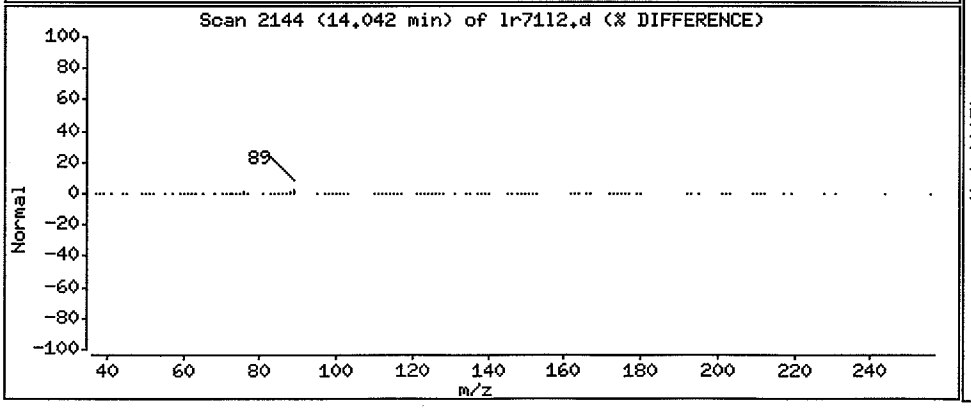
60 Phenanthrene

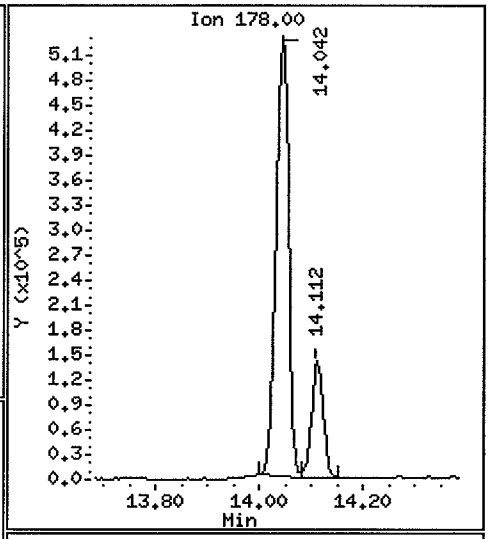
Concentration: 509.2 ug/Kg

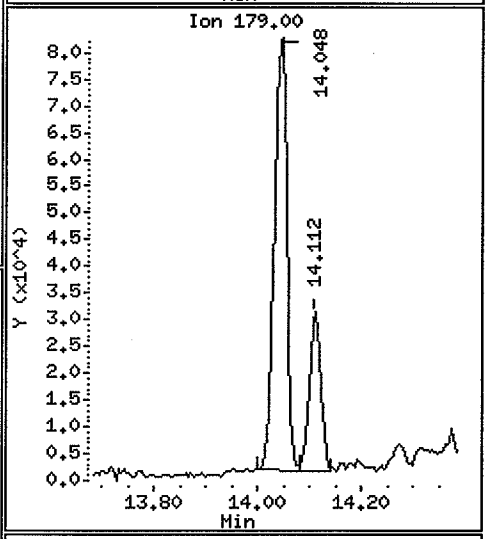


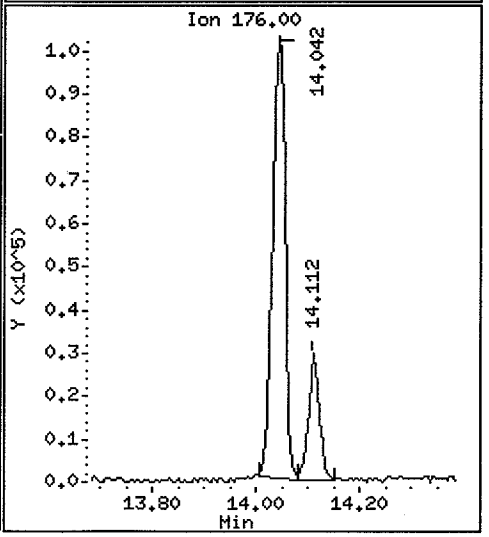












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

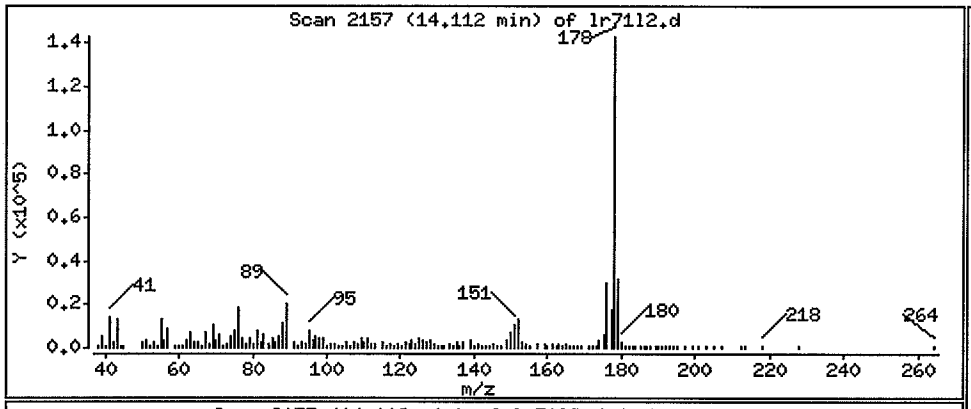
Operator: VTS

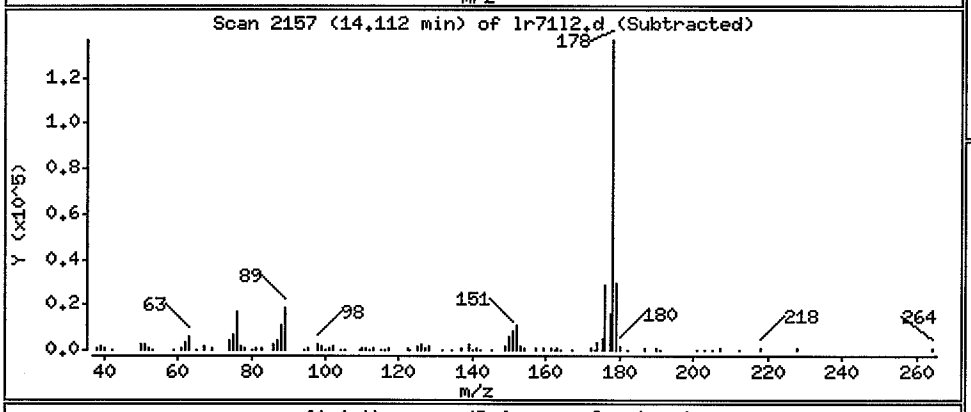
Column phase: ZB-5

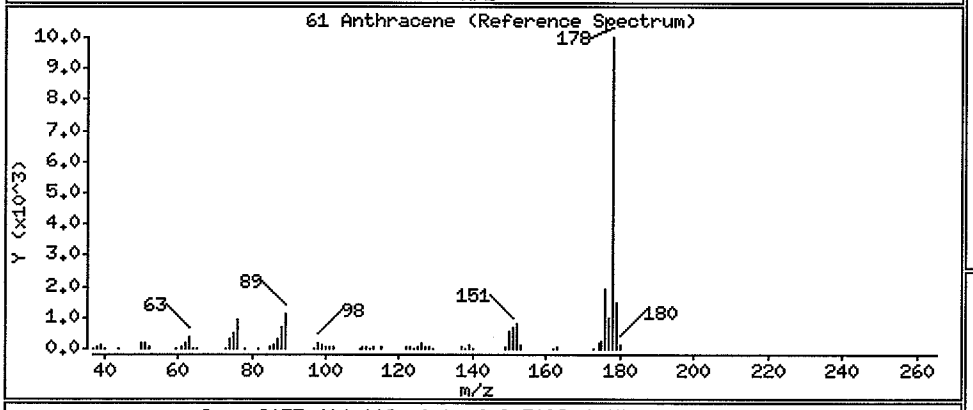
Column diameter: 0.32

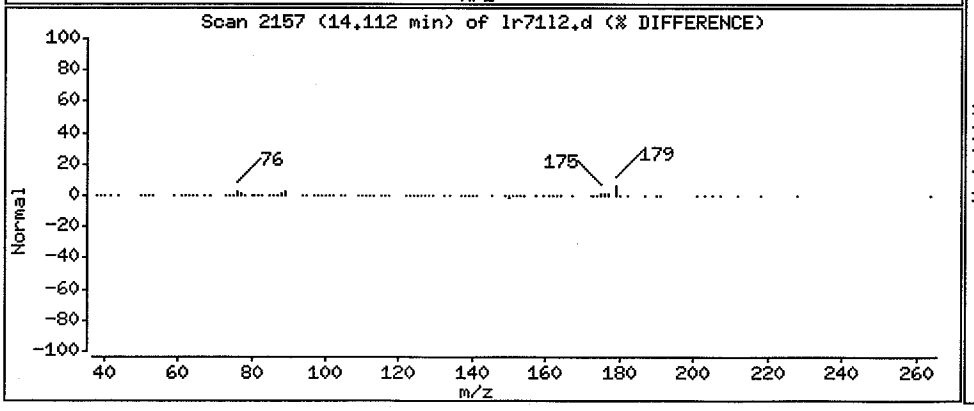
61 Anthracene

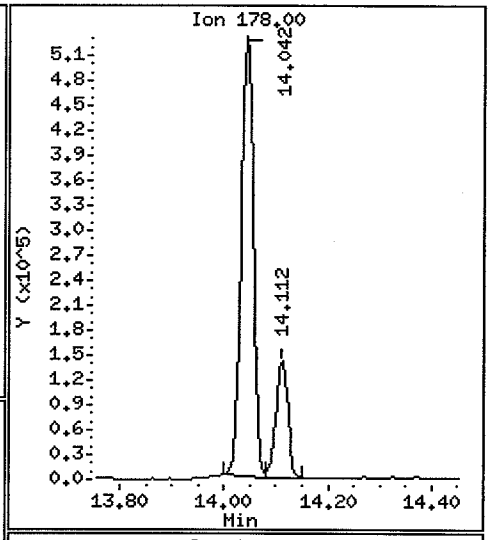
Concentration: 132.2 ug/Kg

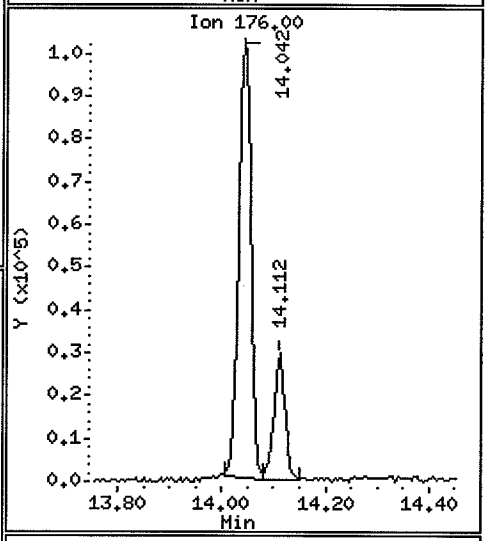


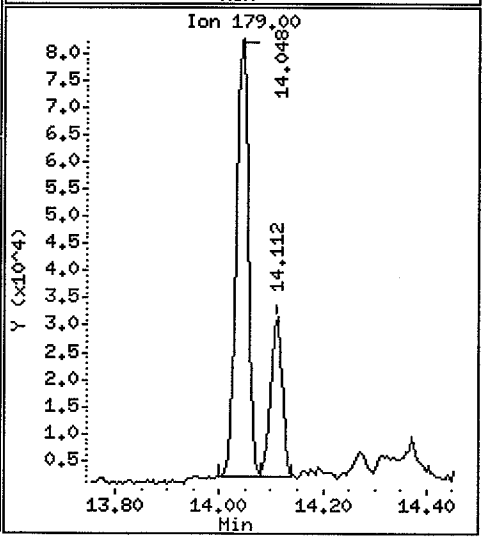












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

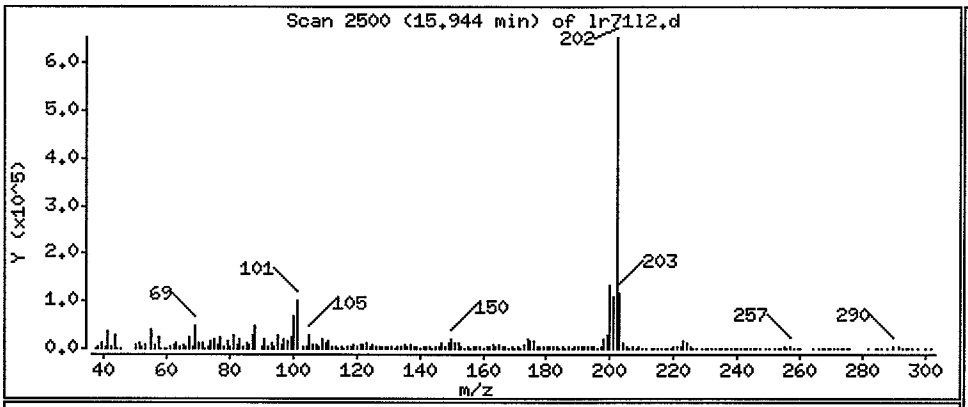
Operator: VTS

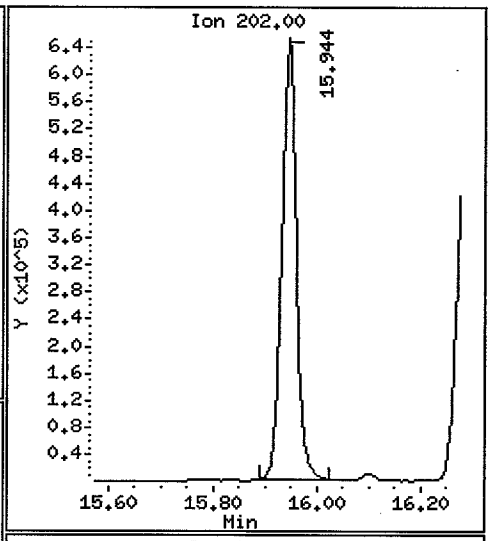
Column phase: ZB-5

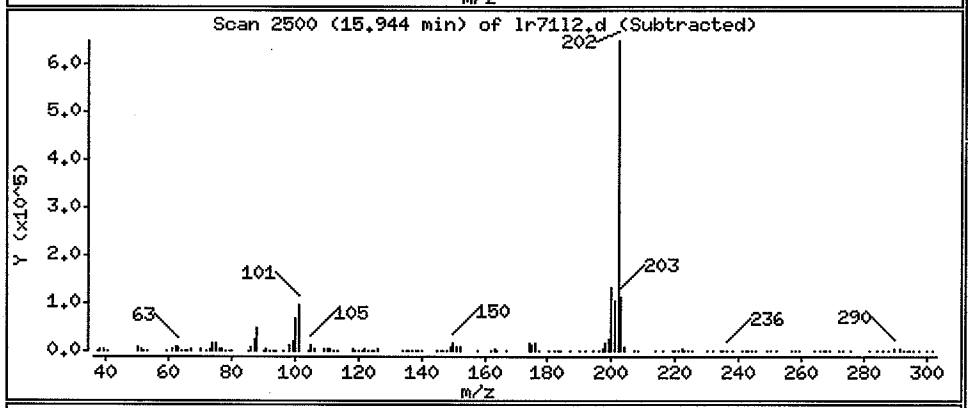
Column diameter: 0.32

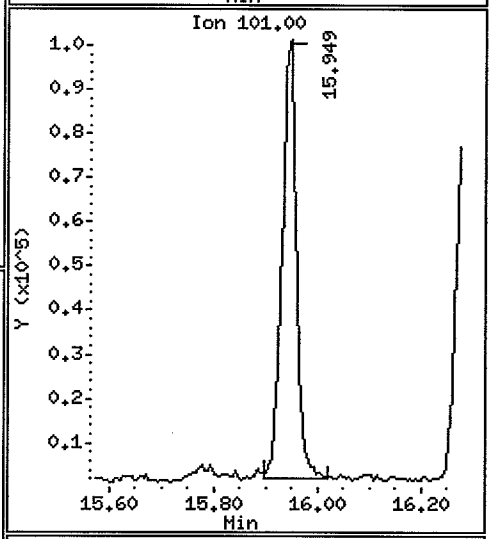
64 Fluoranthene

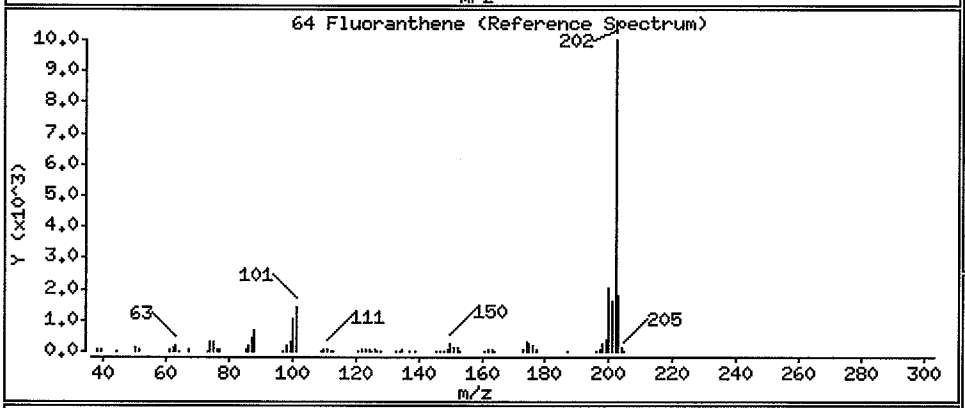
Concentration: 698.5 ug/Kg

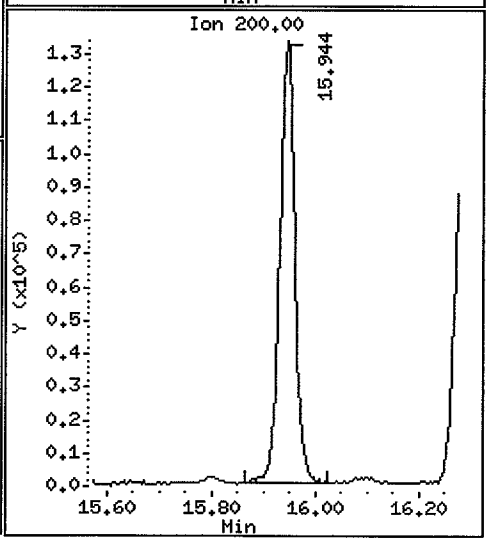


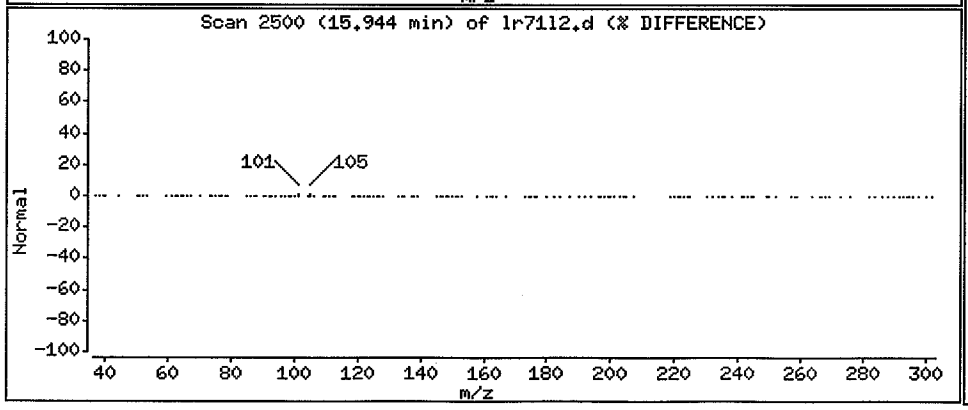












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

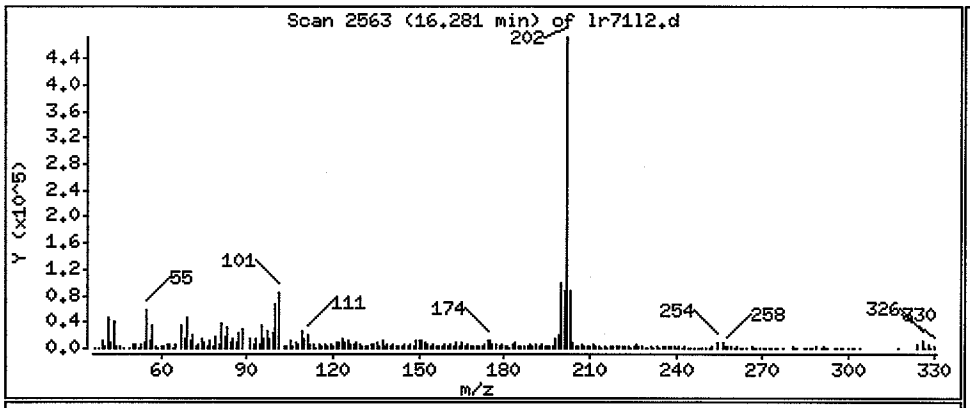
Operator: VTS

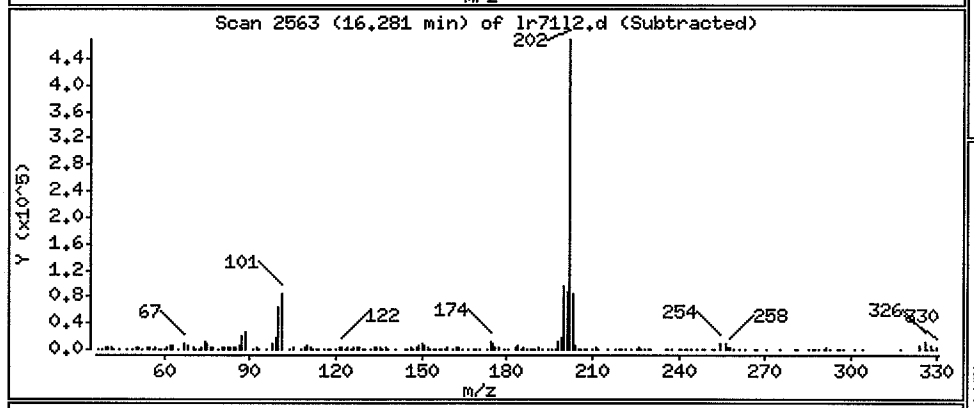
Column phase: ZB-5

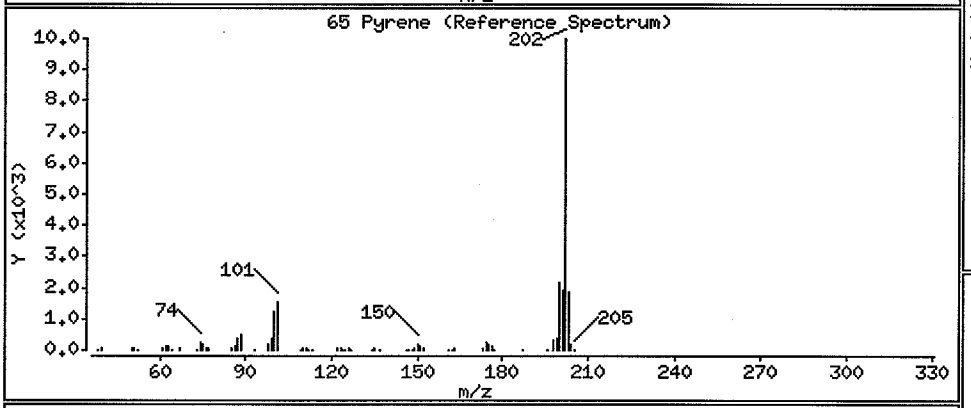
Column diameter: 0.32

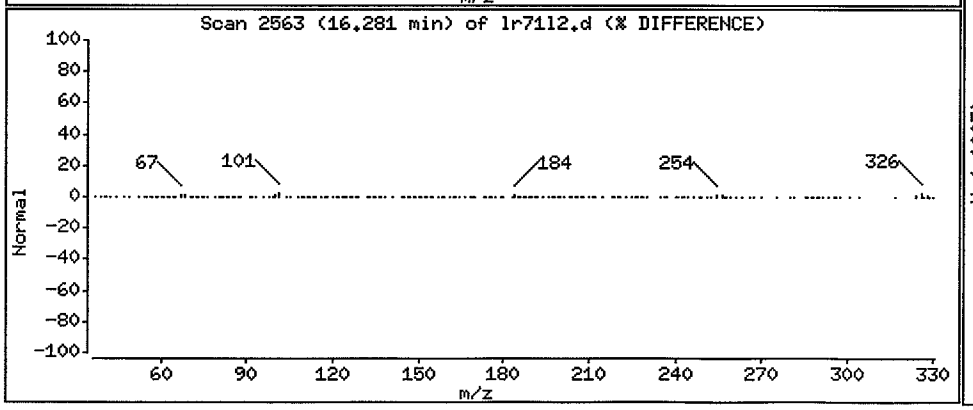
65 Pyrene

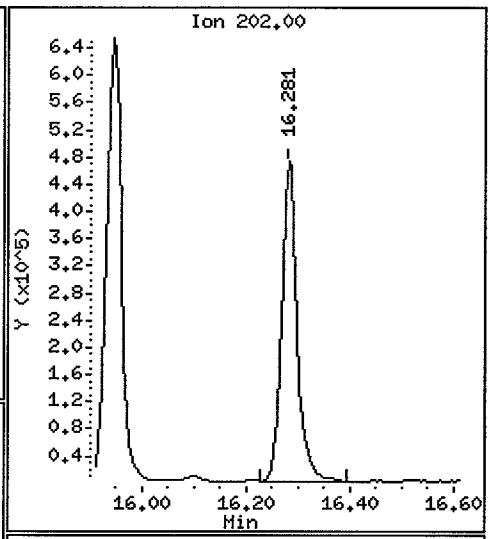
Concentration: 434.9 ug/Kg

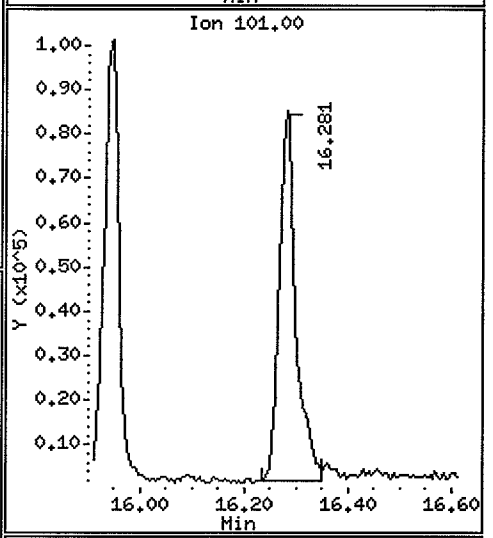


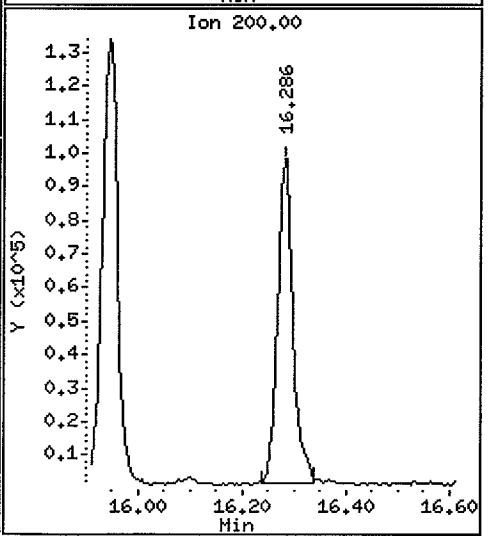












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

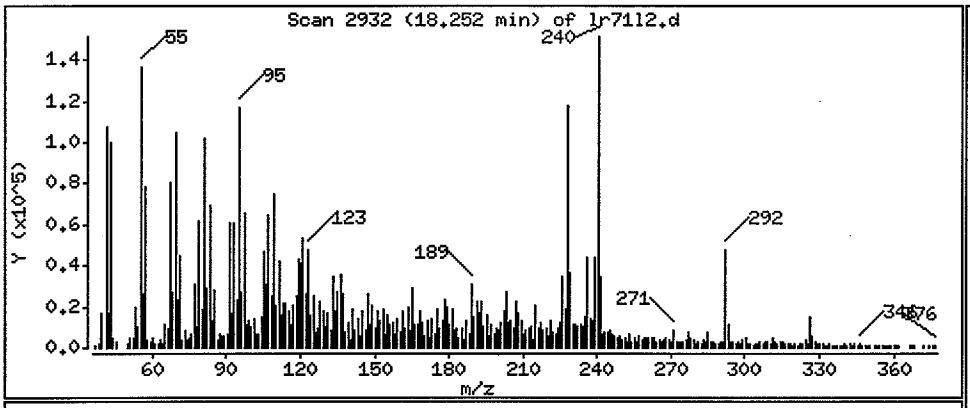
Operator: VTS

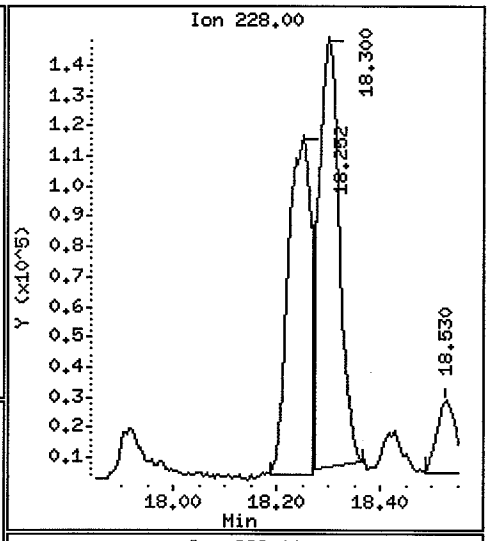
Column phase: ZB-5

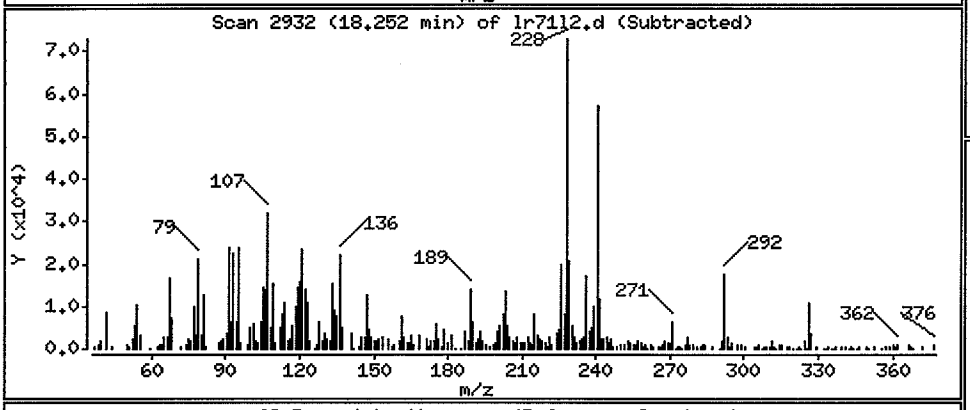
Column diameter: 0.32

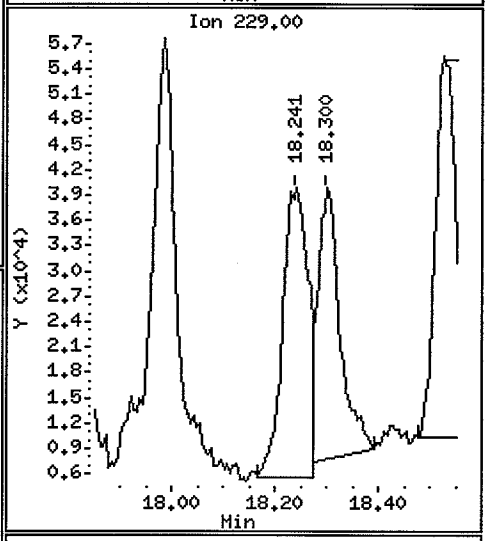
68 Benzo(a)anthracene

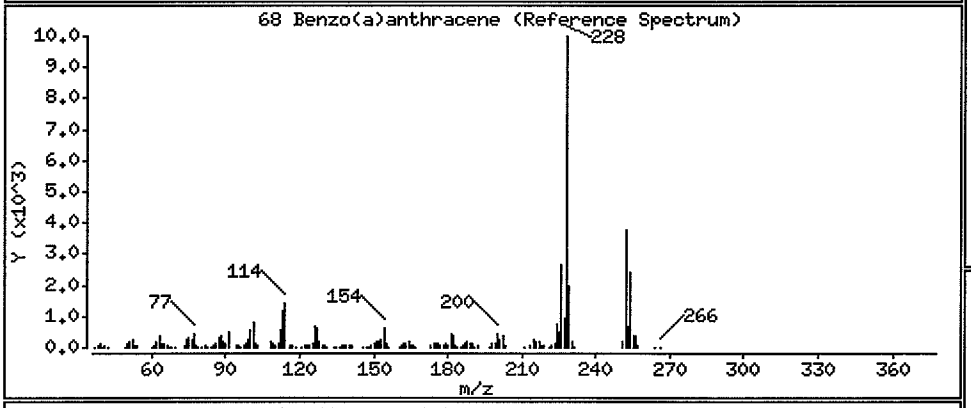
Concentration: 162.2 ug/Kg

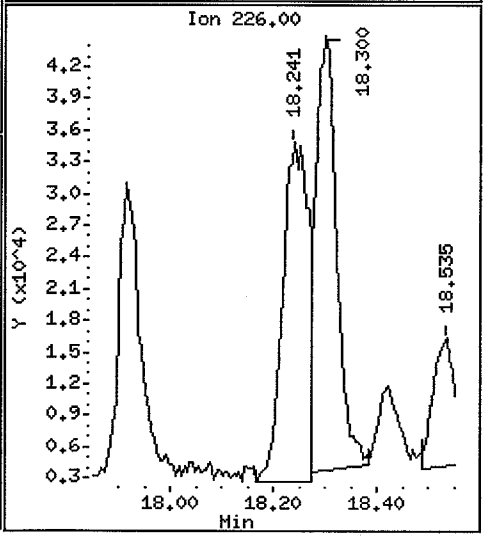


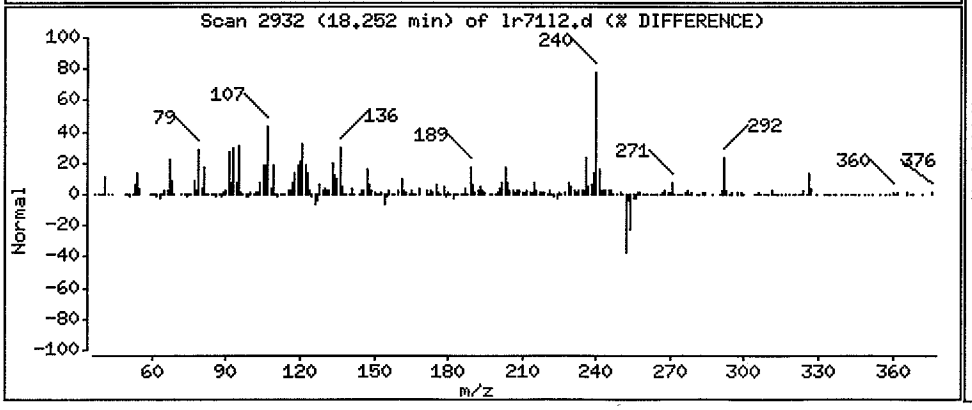












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

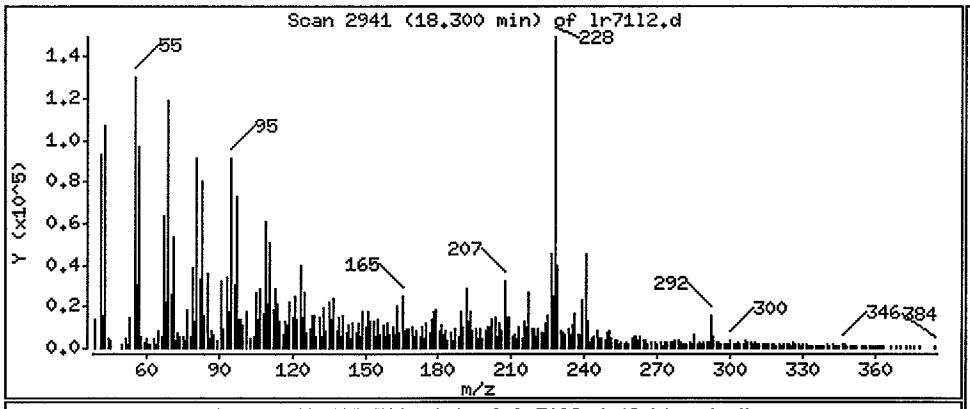
Operator: VTS

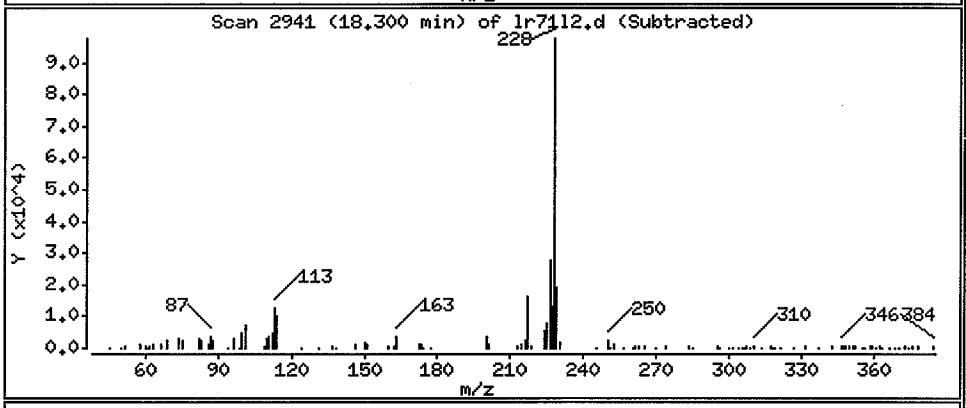
Column phase: ZB-5

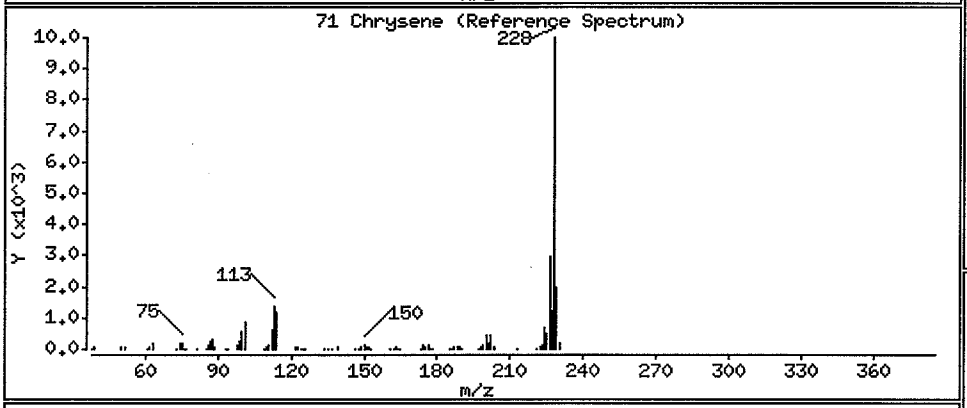
Column diameter: 0.32

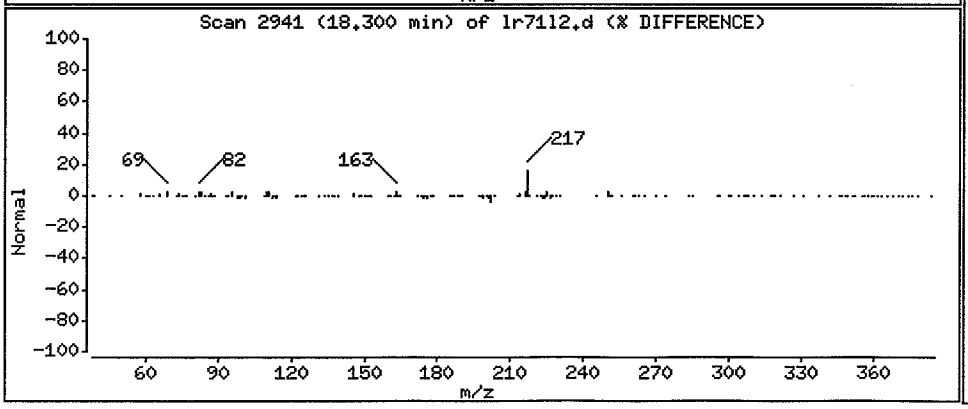
71 Chrysene

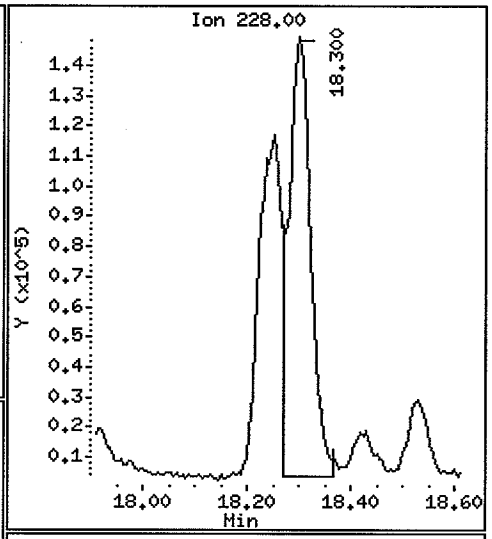
Concentration: 217.3 ug/Kg

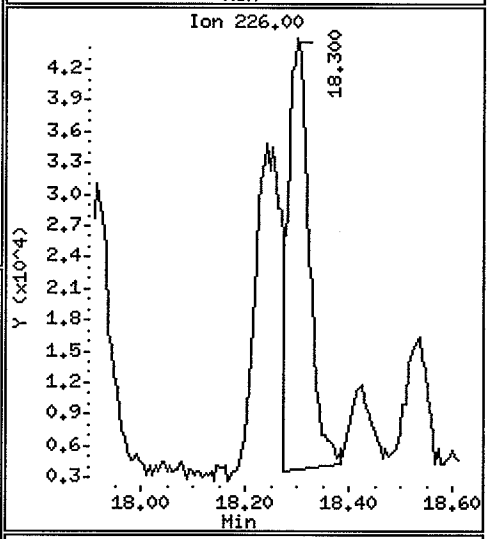


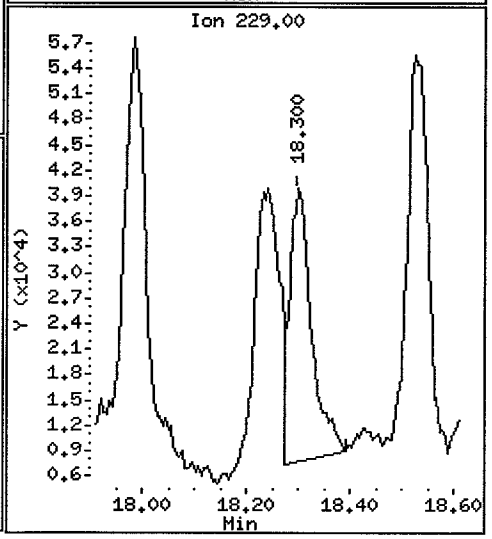












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

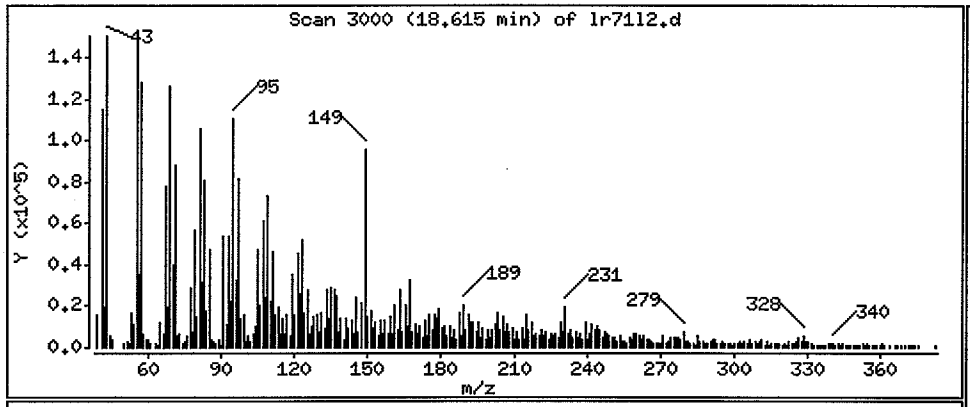
Operator: VTS

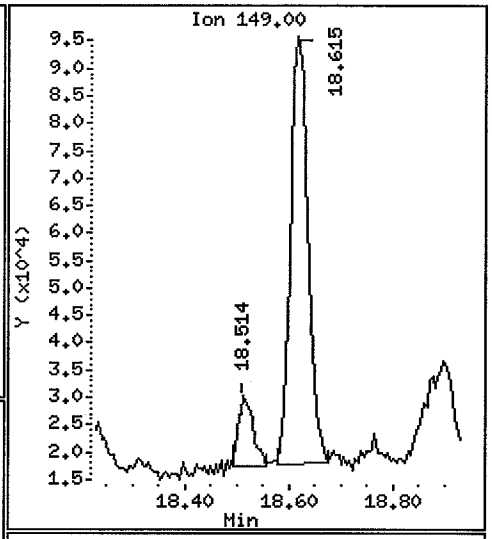
Column phase: ZB-5

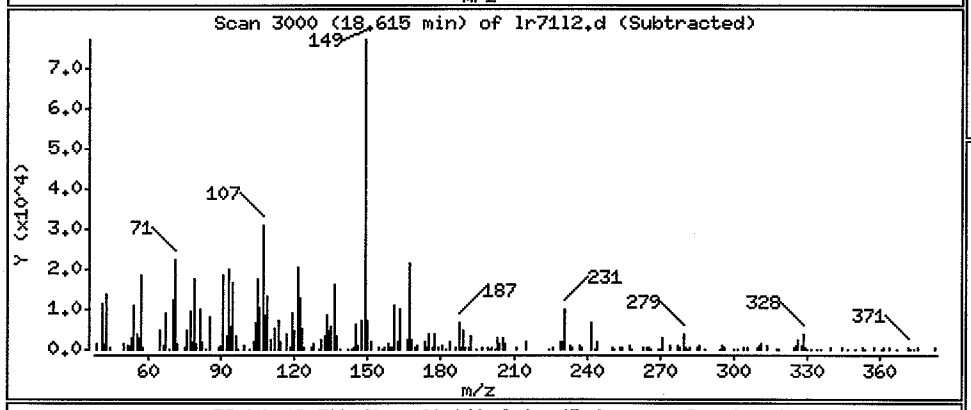
Column diameter: 0.32

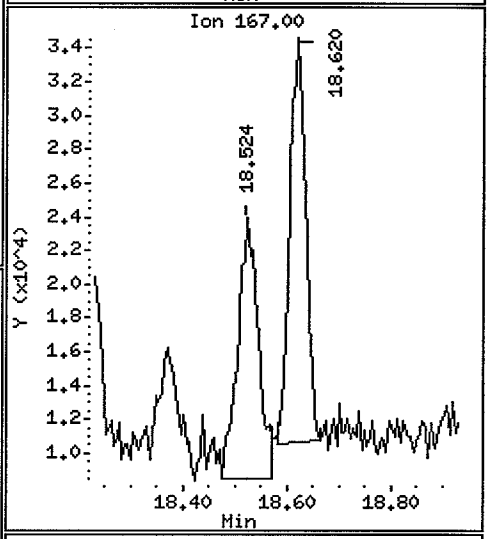
72 bis(2-Ethylhexyl)phthalate

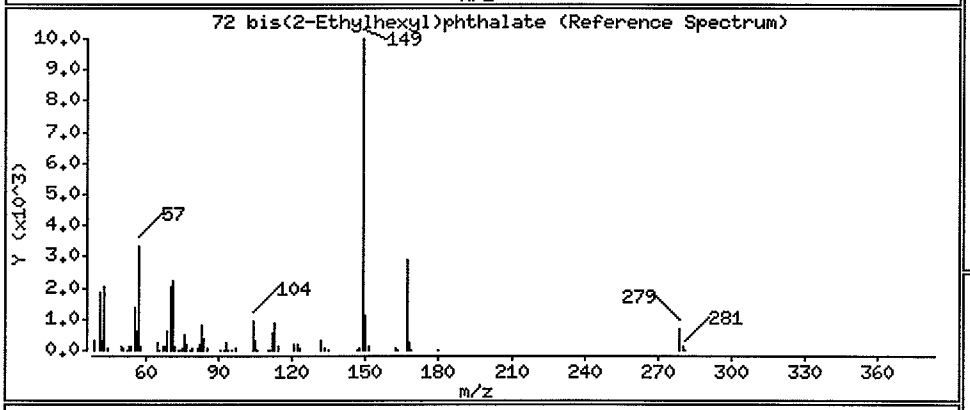
Concentration: 154.2 ug/Kg

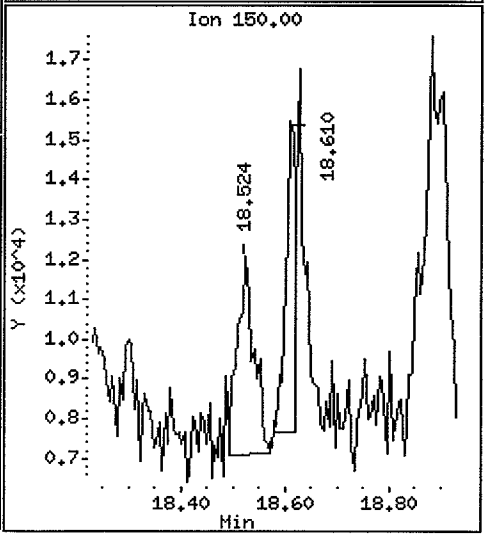


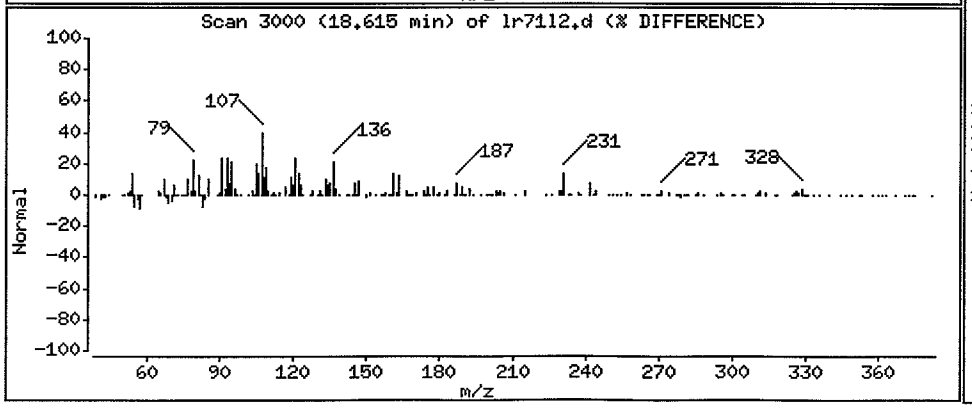












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

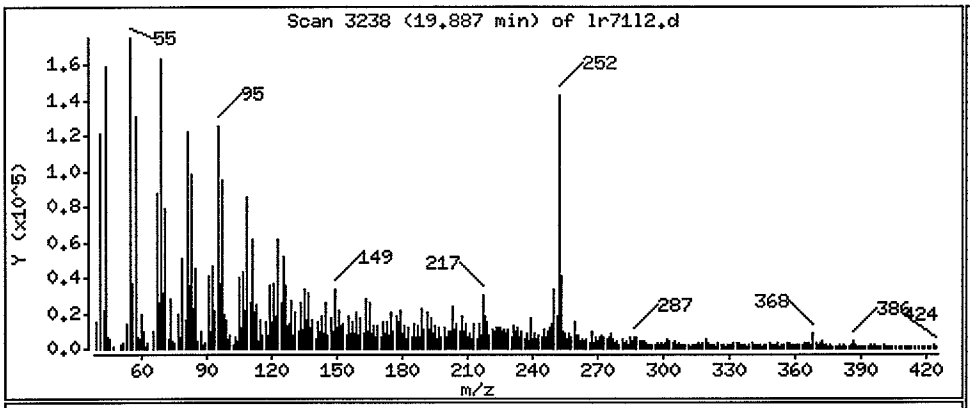
Operator: VTS

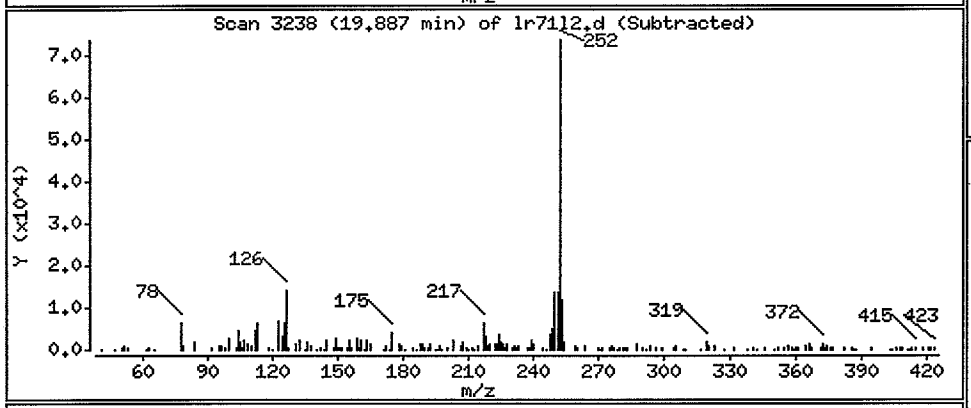
Column phase: ZB-5

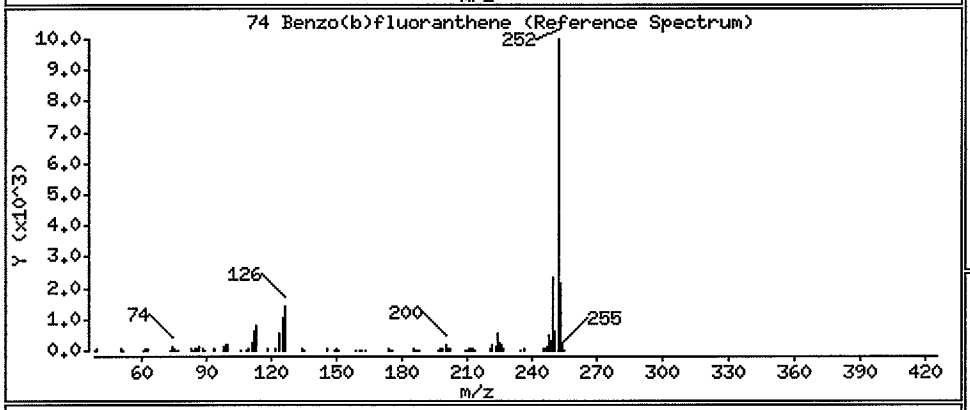
Column diameter: 0.32

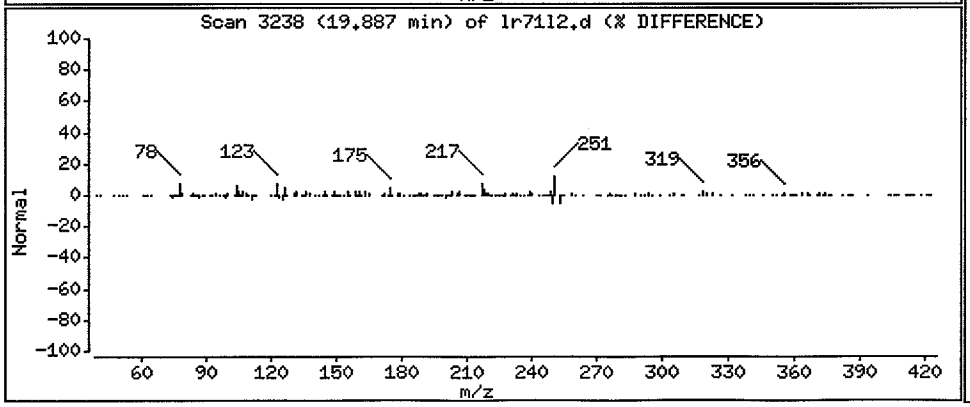
74 Benzo(b)fluoranthene

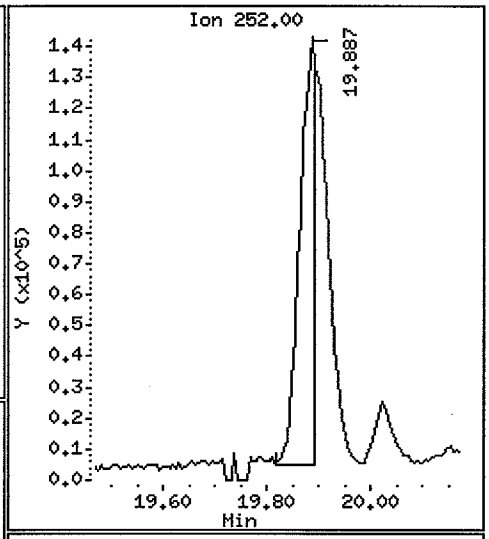
Concentration: 178.7 ug/Kg

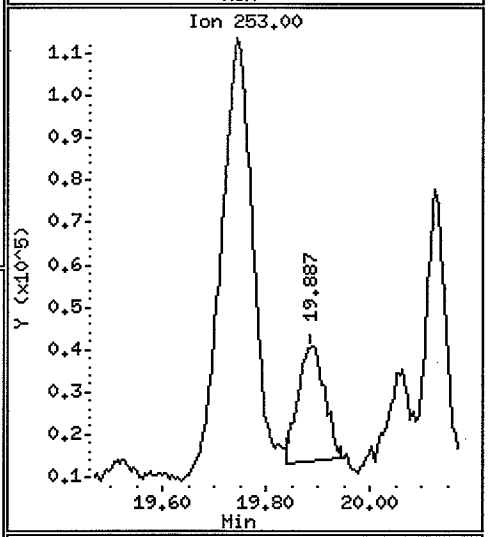


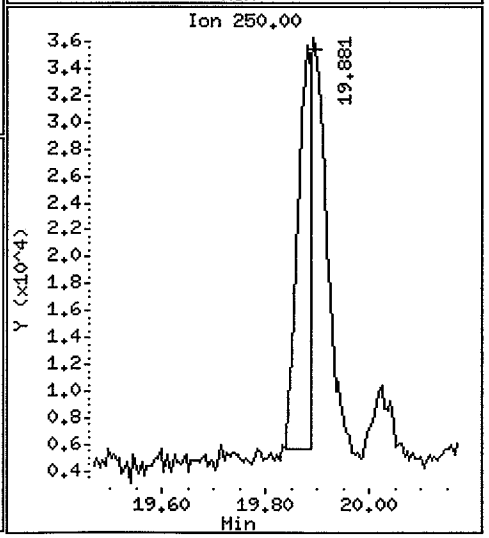












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

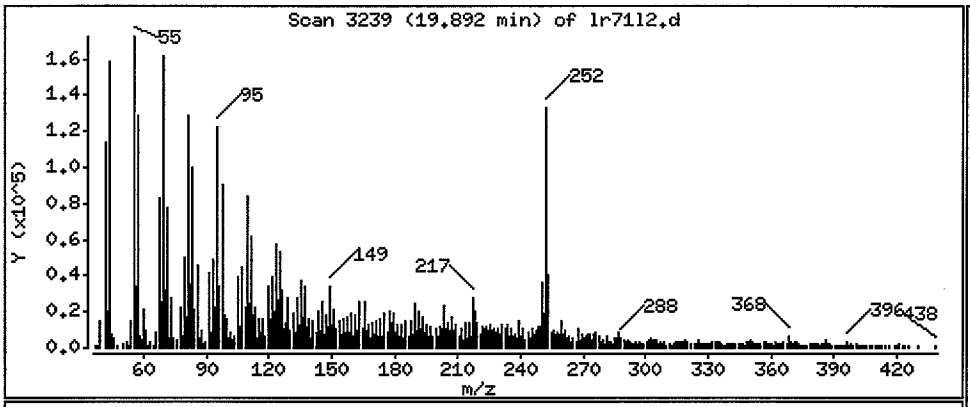
Operator: VTS

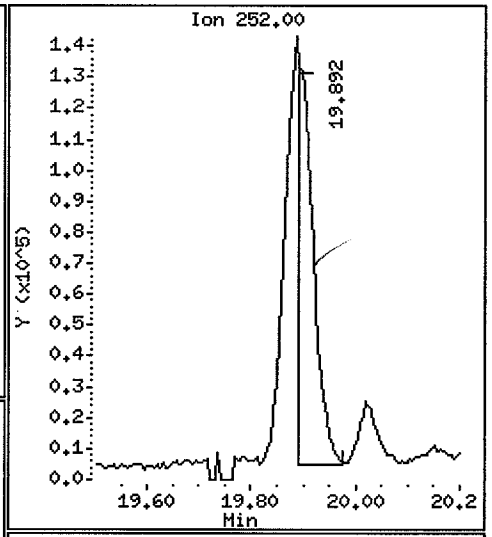
Column phase: ZB-5

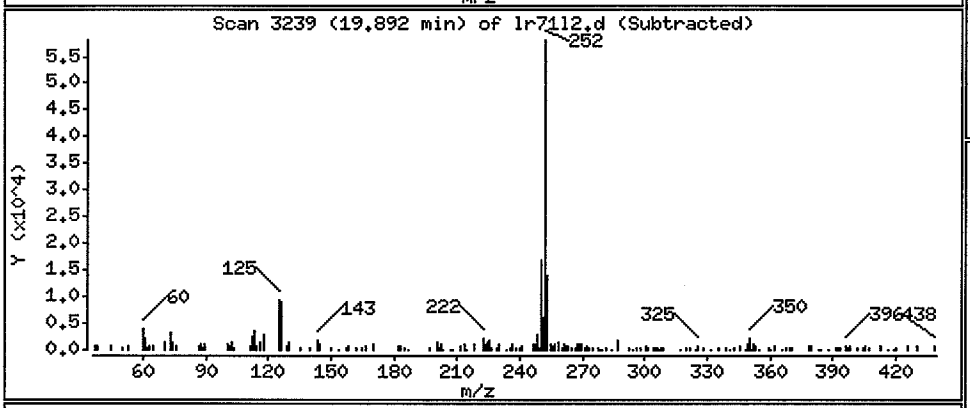
Column diameter: 0.32

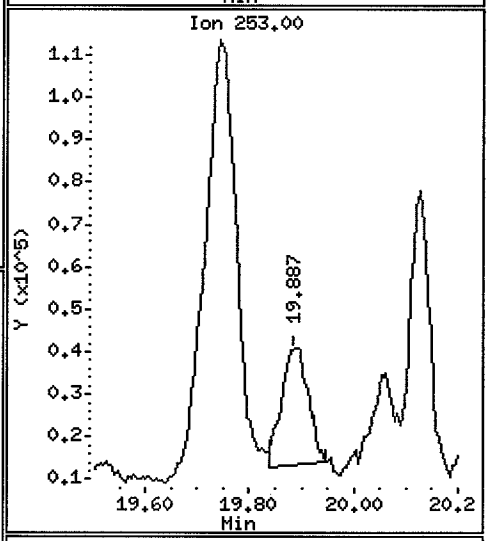
75 Benzo(k)fluoranthene

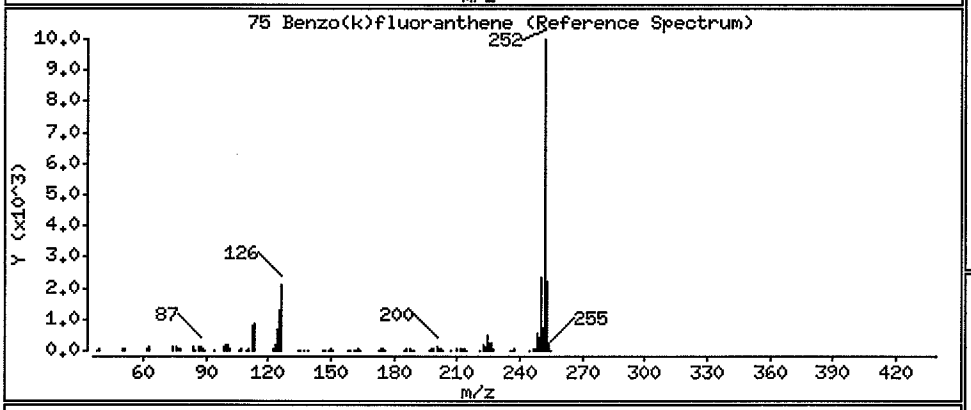
Concentration: 160.9 ug/Kg

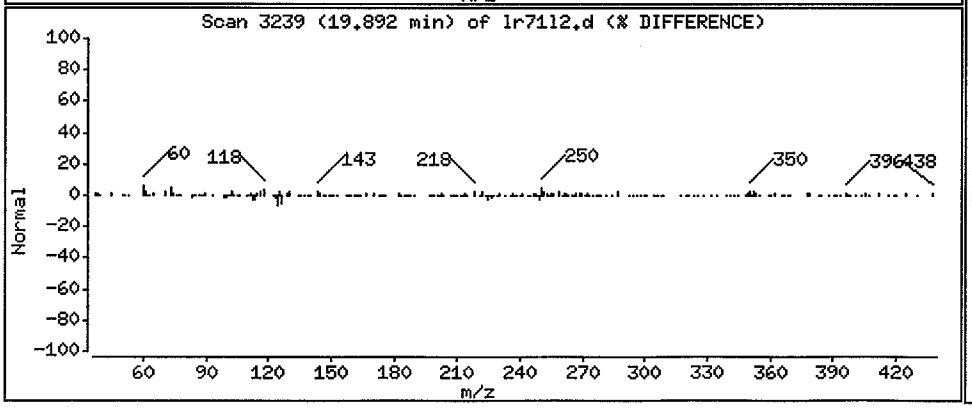


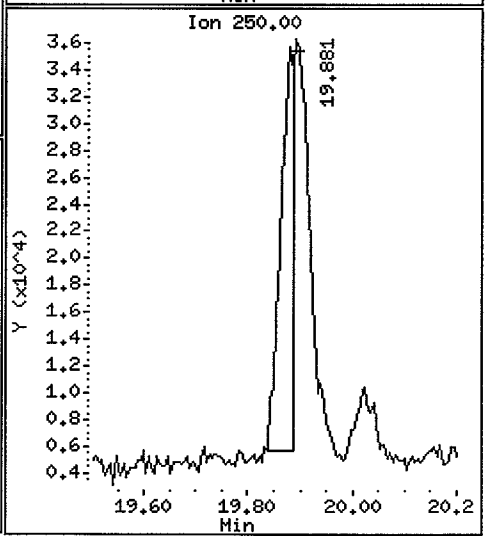












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

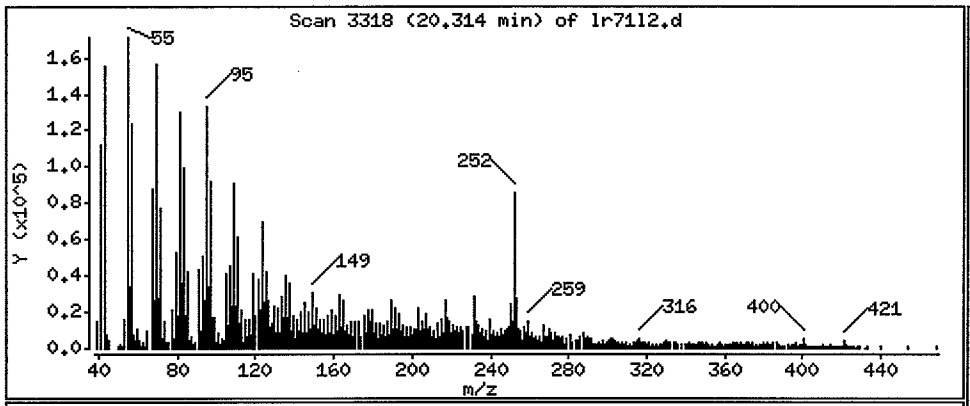
Operator: VTS

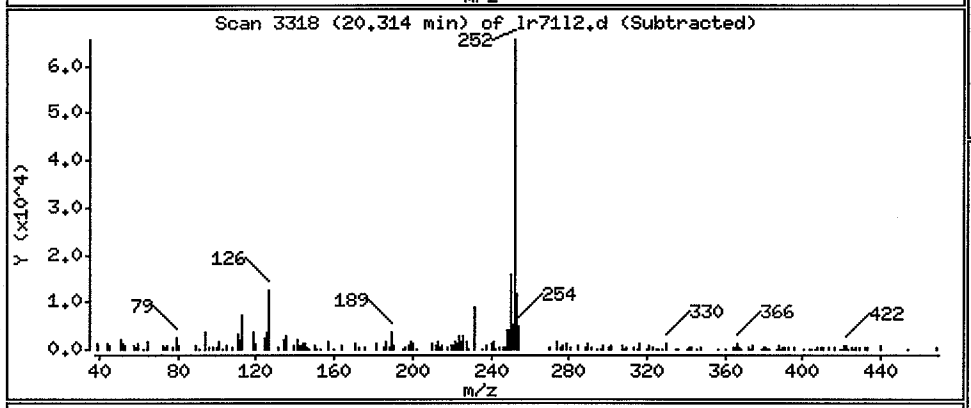
Column phase: ZB-5

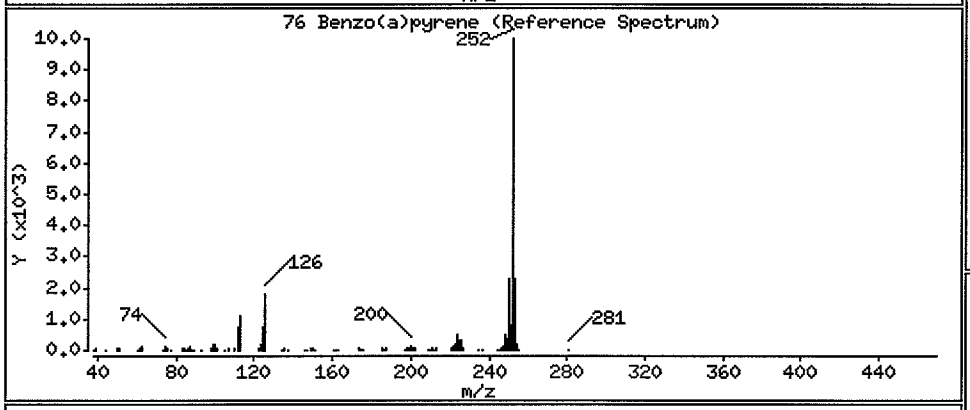
Column diameter: 0.32

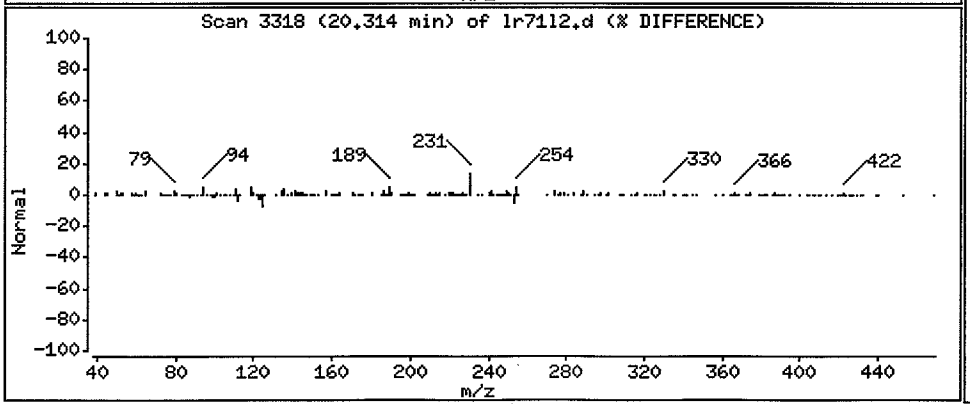
76 Benzo(a)pyrene

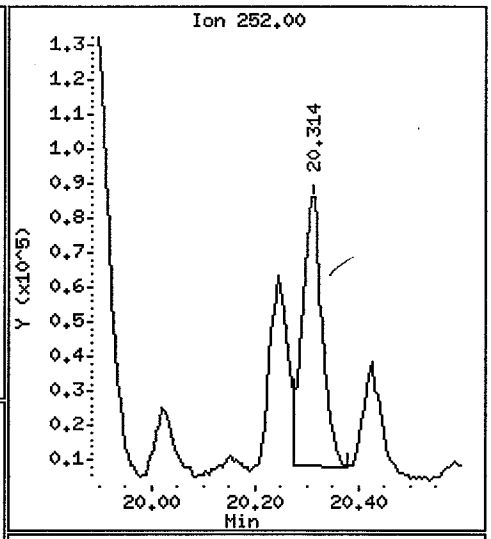
Concentration: 151.3 ug/Kg

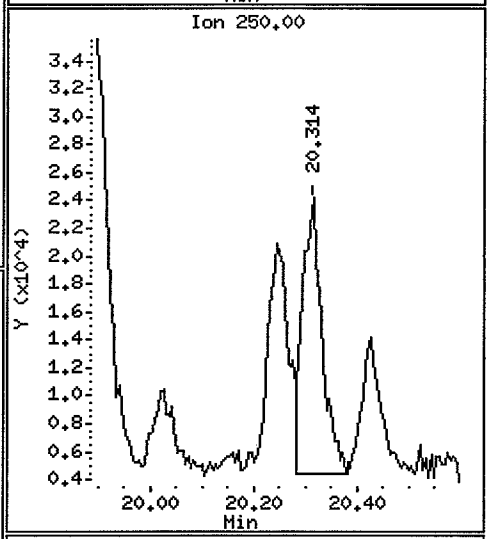


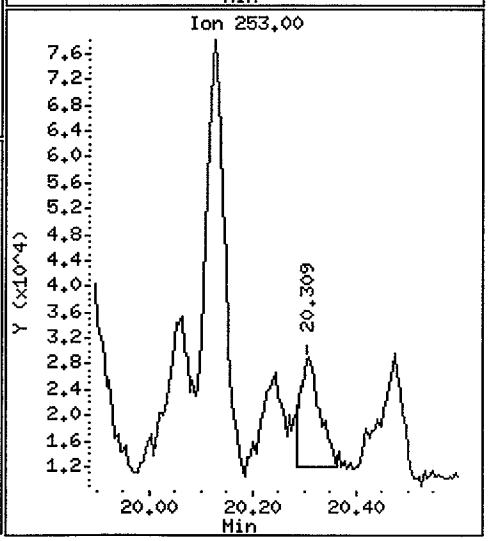












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

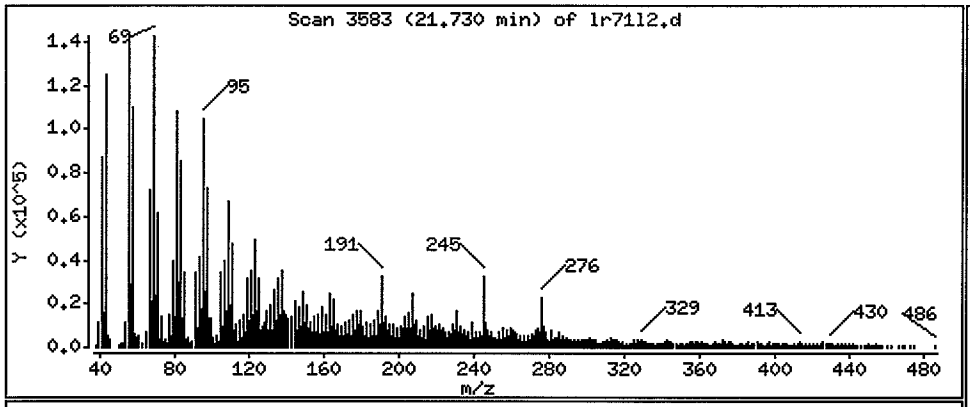
Operator: VTS

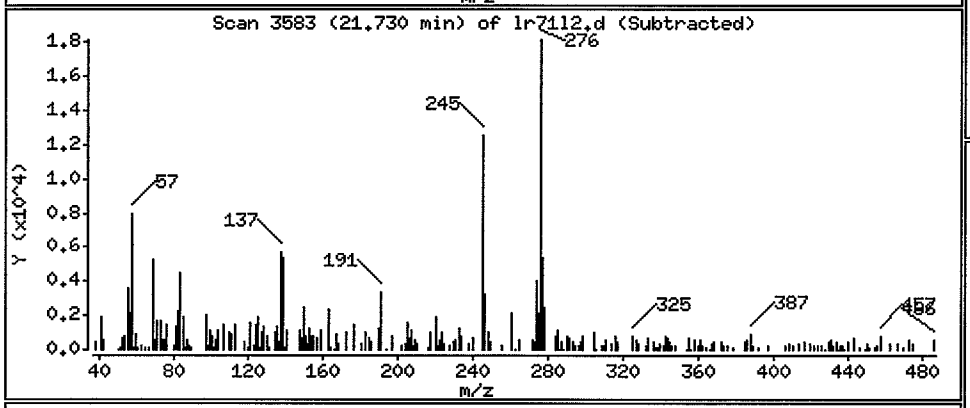
Column phase: ZB-5

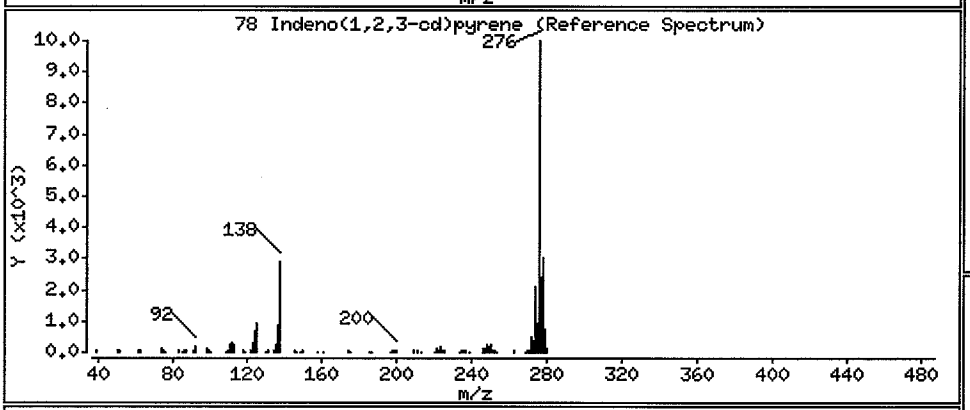
Column diameter: 0.32

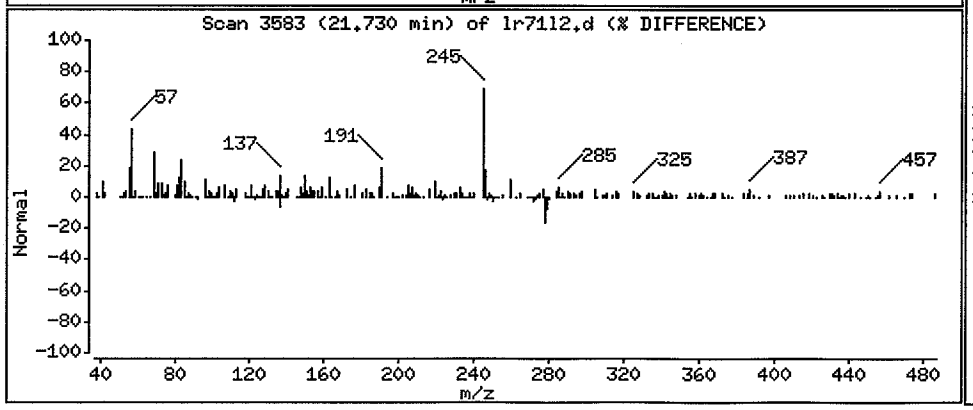
78 Indeno(1,2,3-cd)pyrene

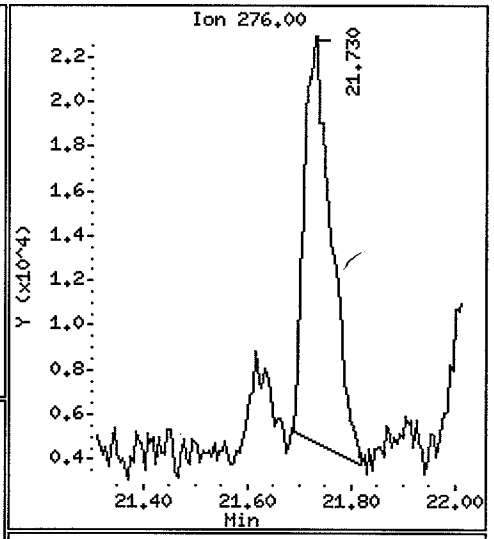
Concentration: 43.44 ug/Kg

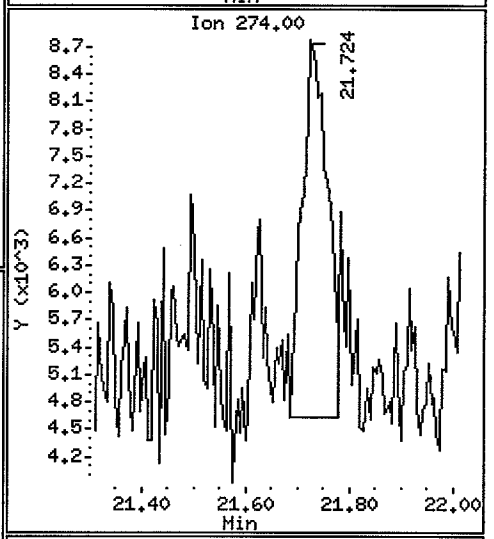


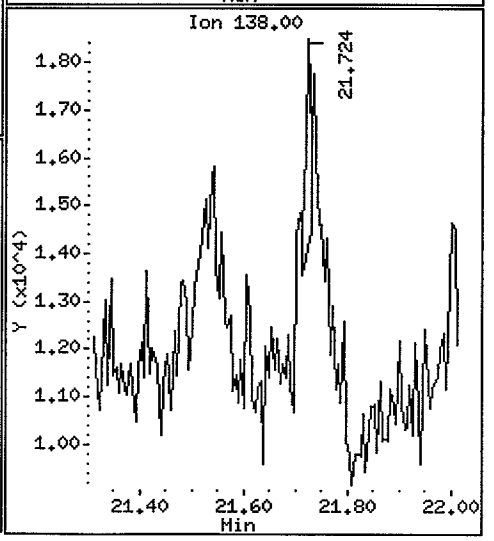












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

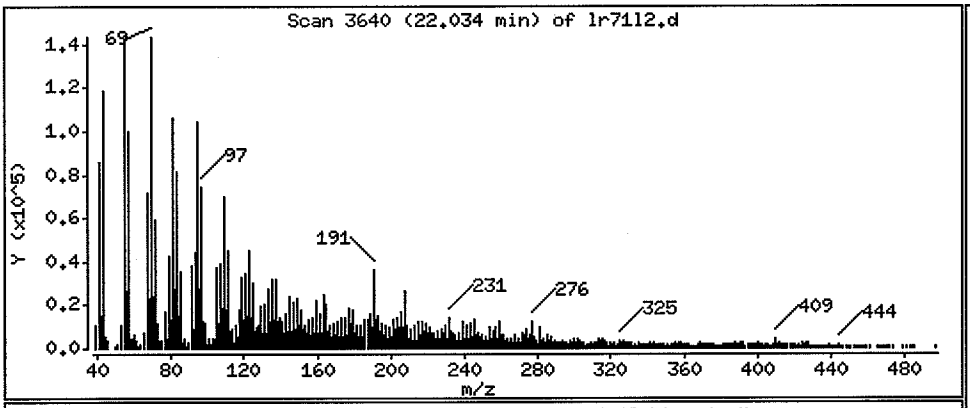
Operator: VTS

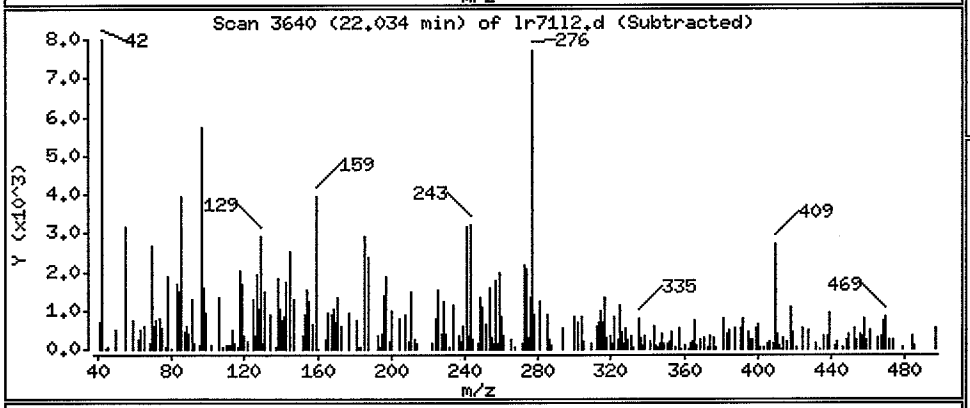
Column phase: ZB-5

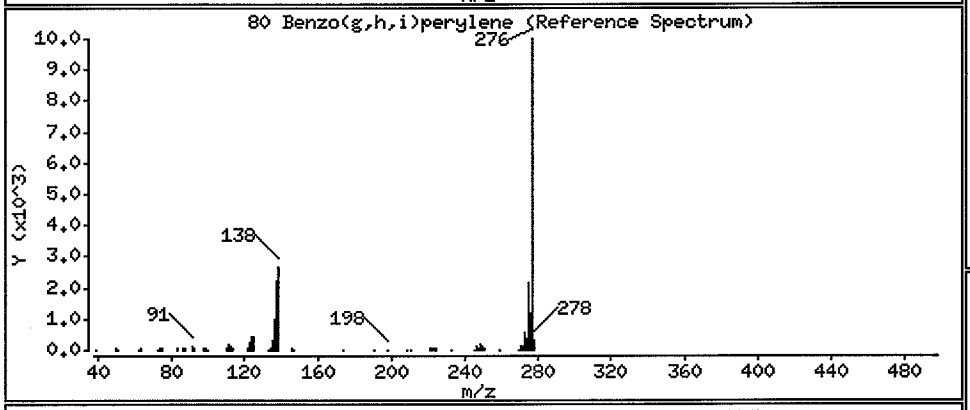
Column diameter: 0.32

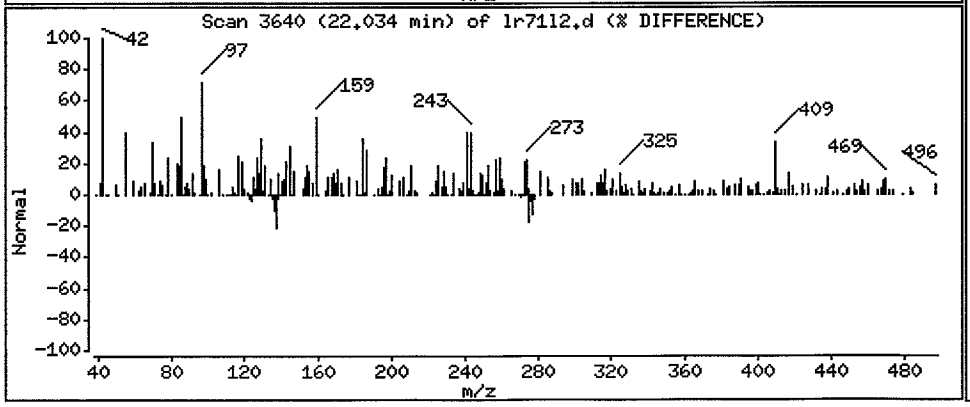
80 Benzo(g,h,i)perylene

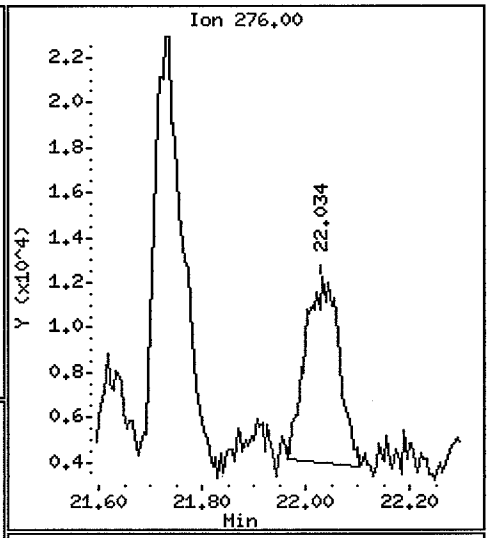
Concentration: 27.28 ug/Kg

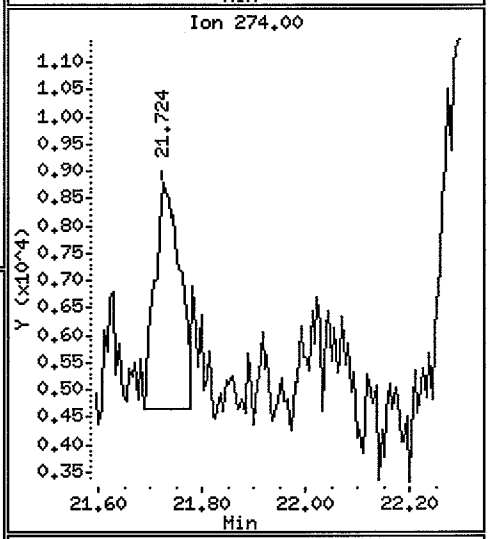


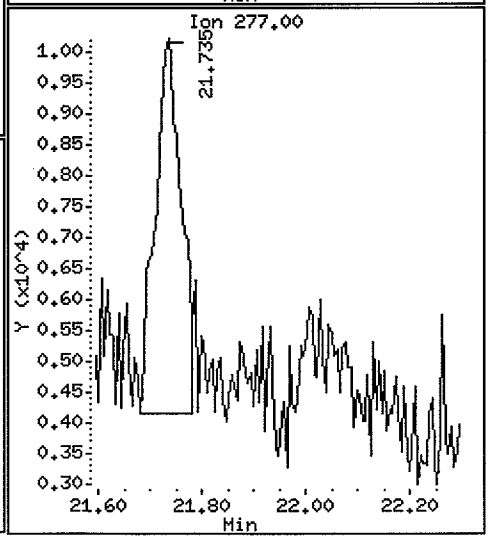












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

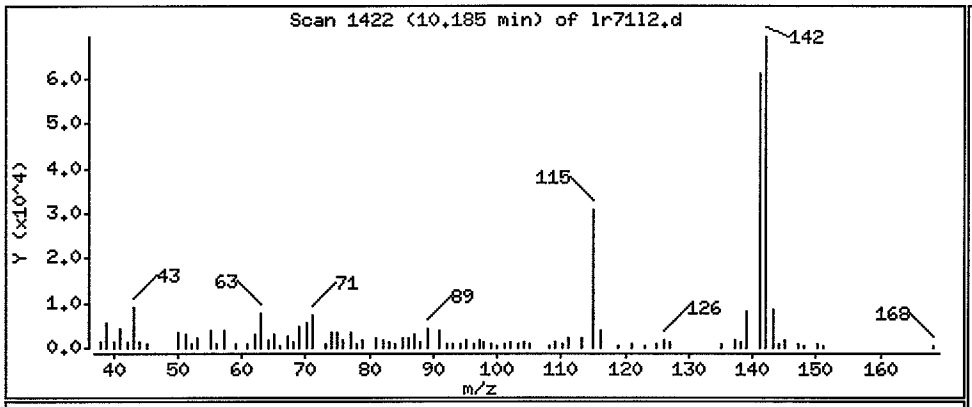
Operator: VTS

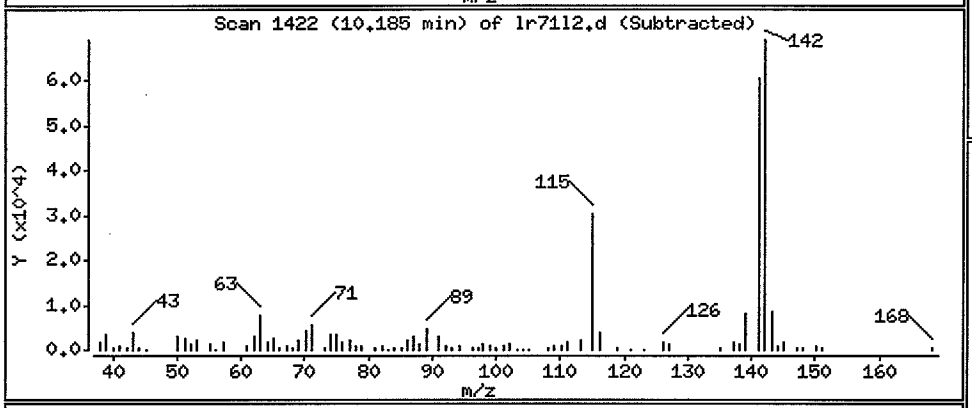
Column phase: ZB-5

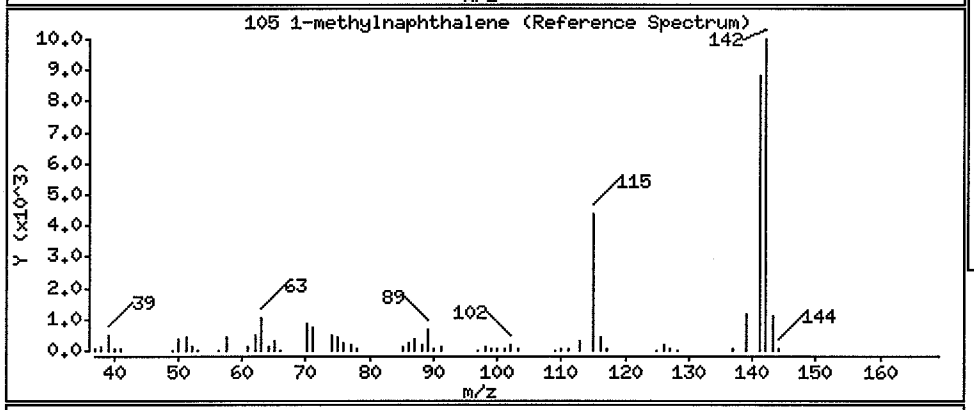
Column diameter: 0.32

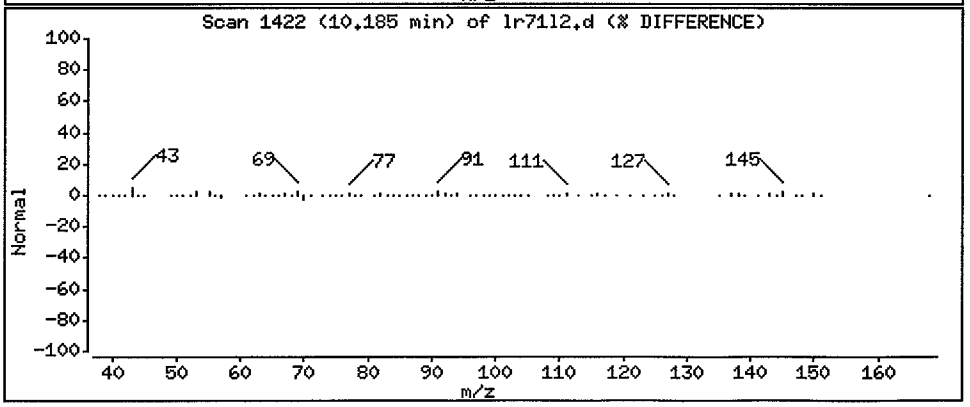
105 1-methylnaphthalene

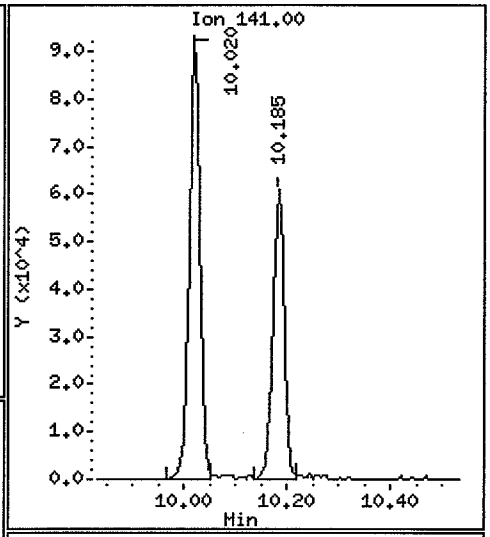
Concentration: 96.19 ug/Kg

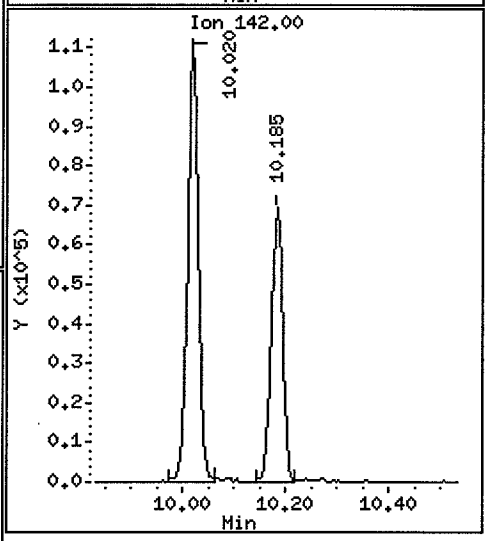












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

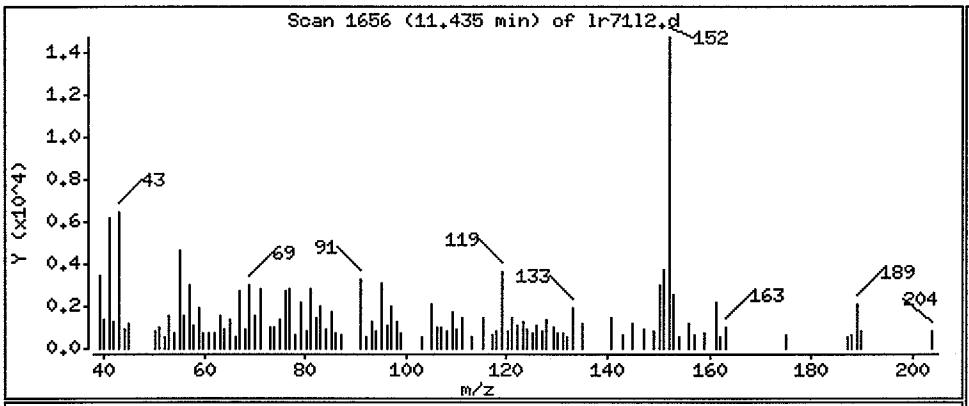
Operator: VTS

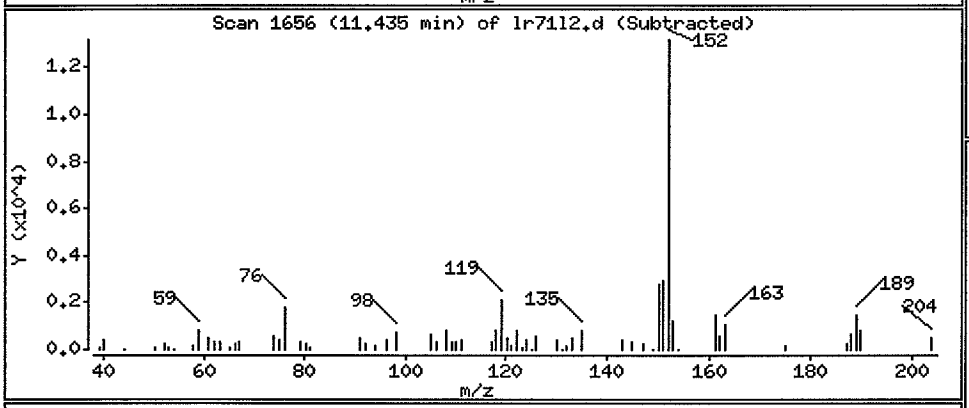
Column phase: ZB-5

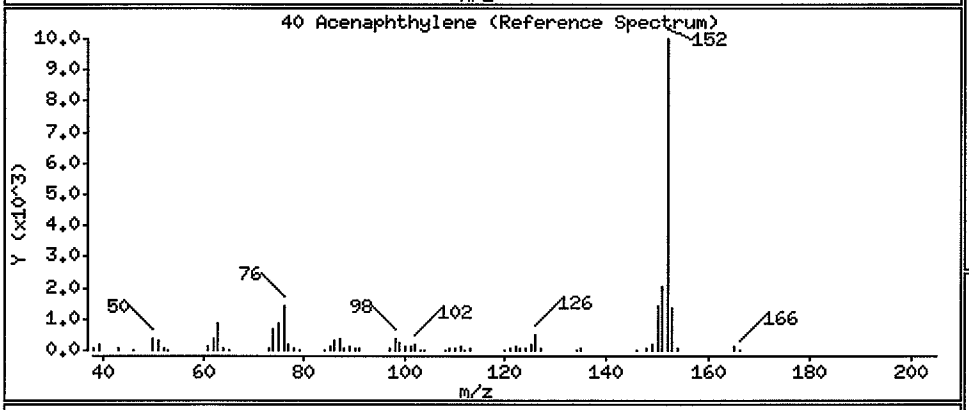
Column diameter: 0.32

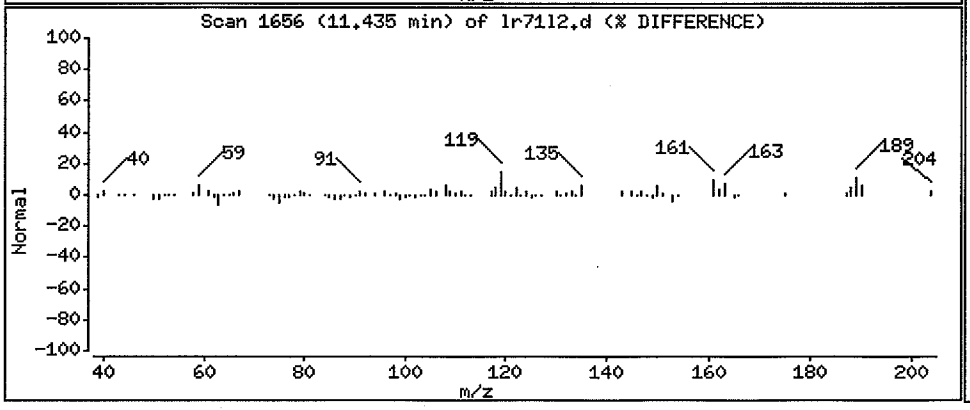
40 Acenaphthylene

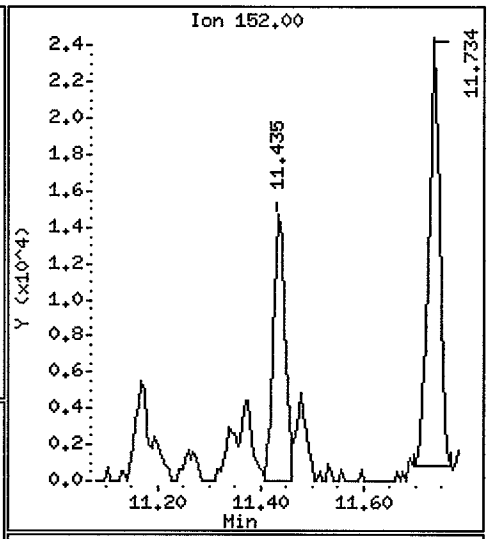
Concentration: 14.68 ug/Kg

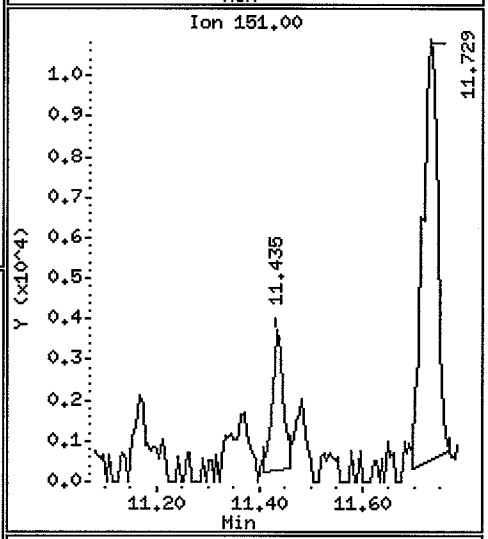


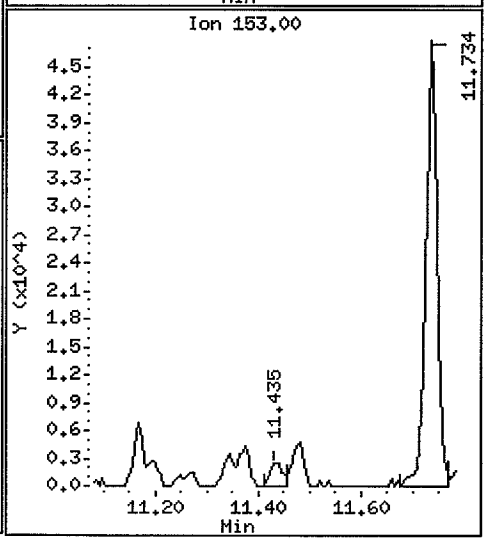












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

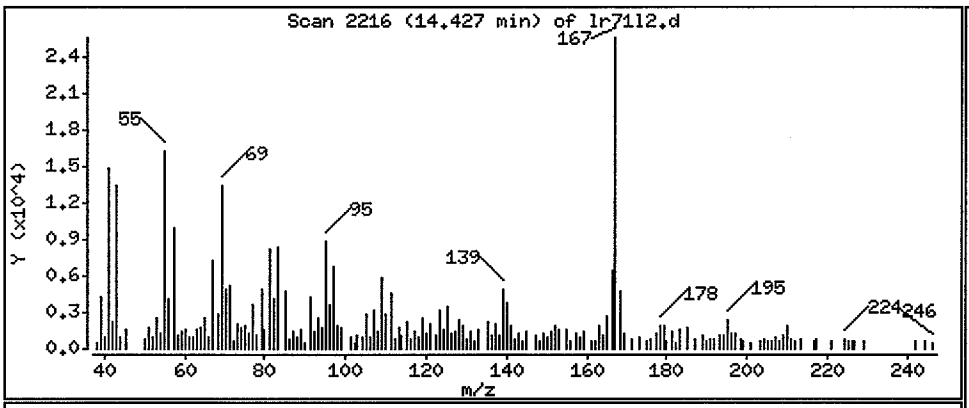
Operator: VTS

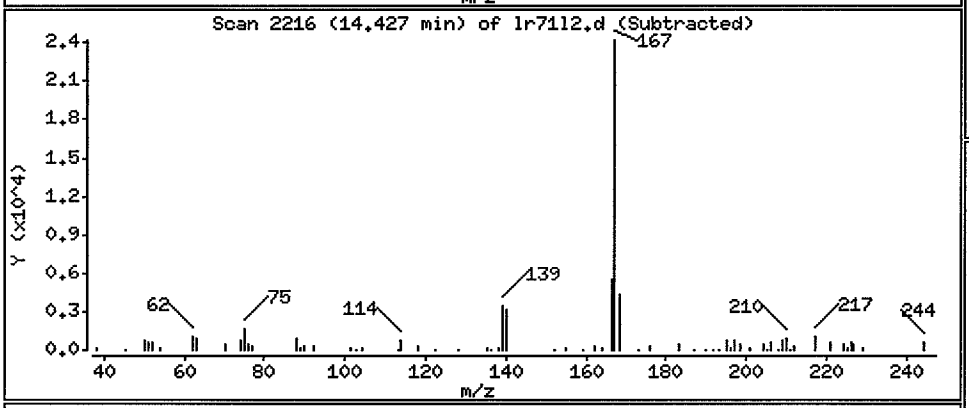
Column phase: ZB-5

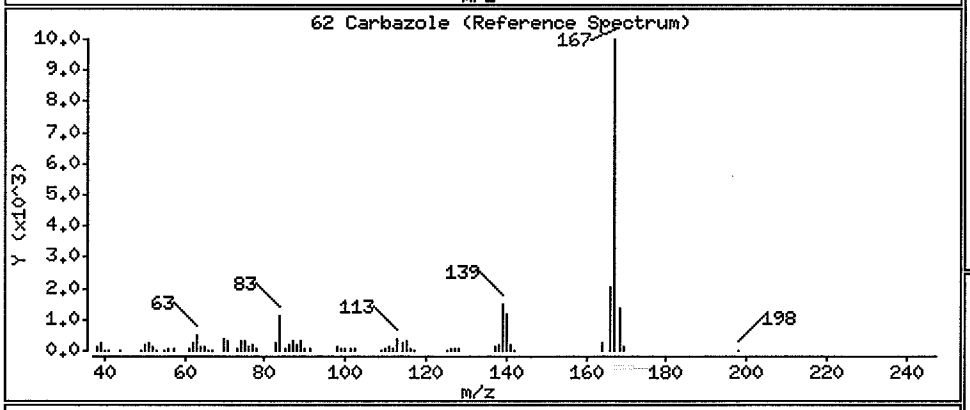
Column diameter: 0.32

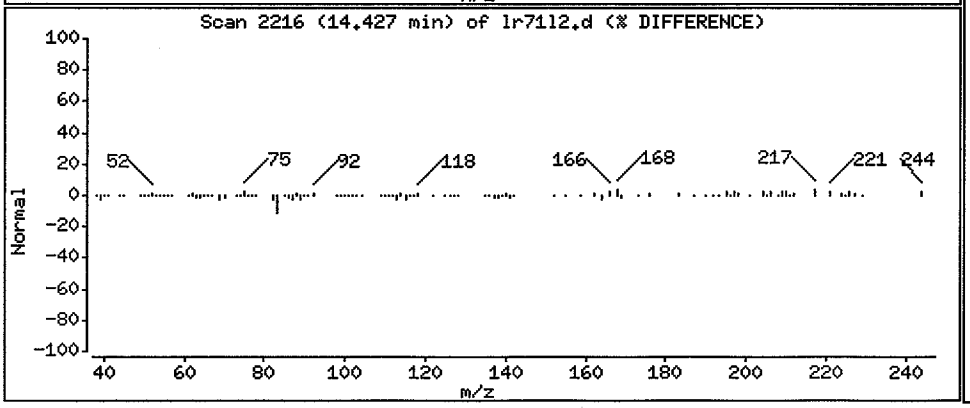
62 Carbazole

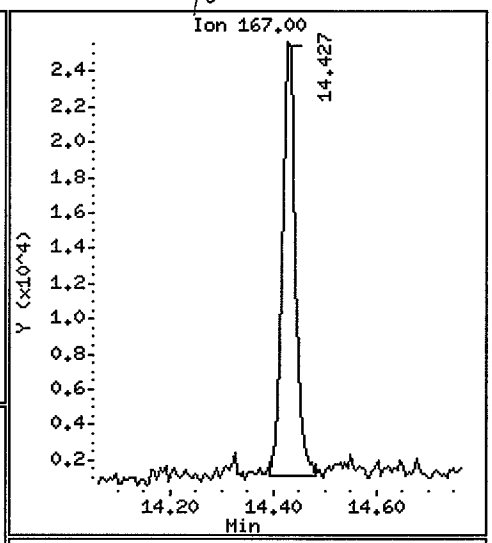
Concentration: 29.51 ug/Kg

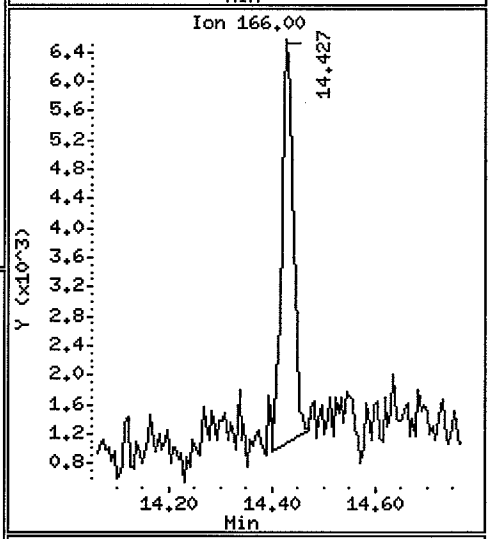


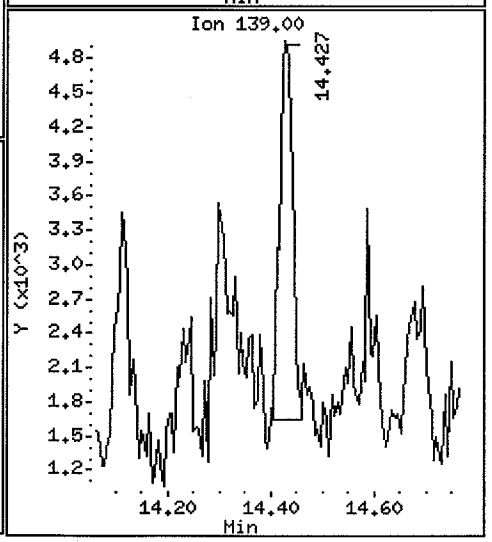












Data File: /chem3/nt4.i/20071101.b/lr7112.d

Date : 01-NOV-2007 22:54

Client ID:

Instrument: nt4.i

Sample Info: LR71LRE

Volume Injected (uL): 1.0

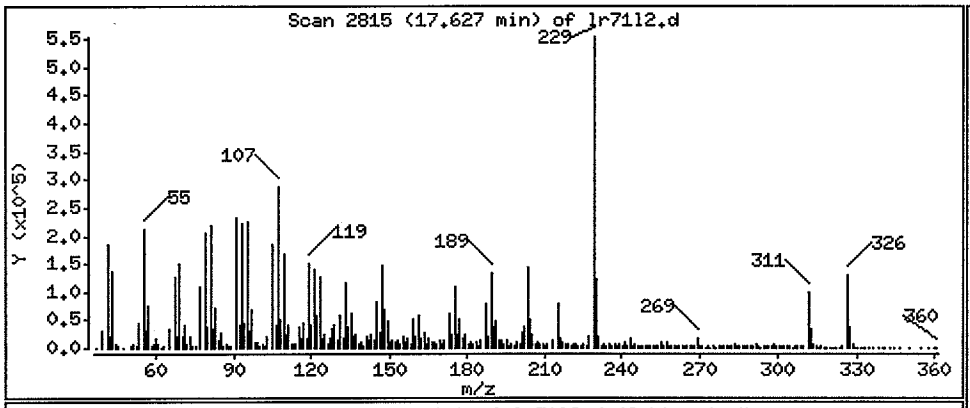
Operator: VTS

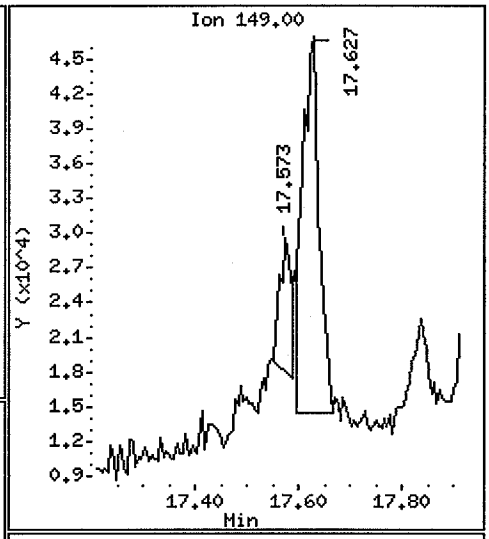
Column phase: ZB-5

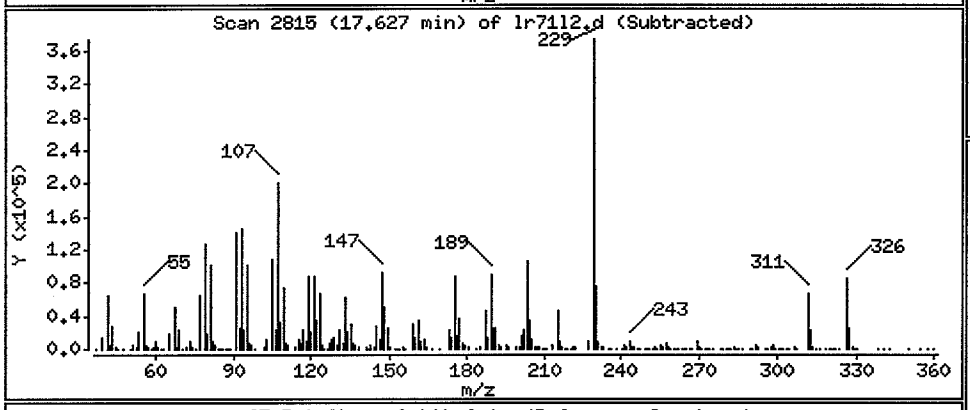
Column diameter: 0.32

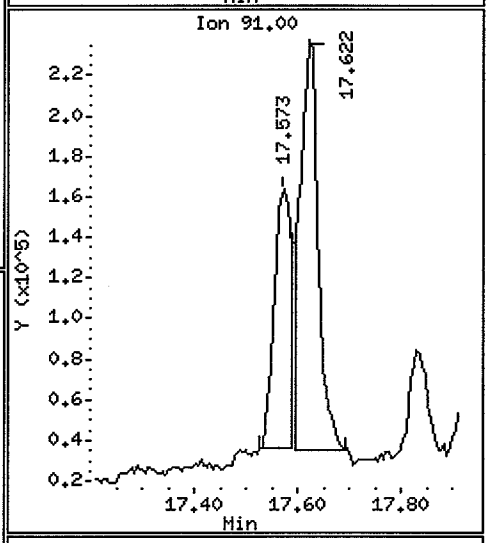
67 Butylbenzylphthalate

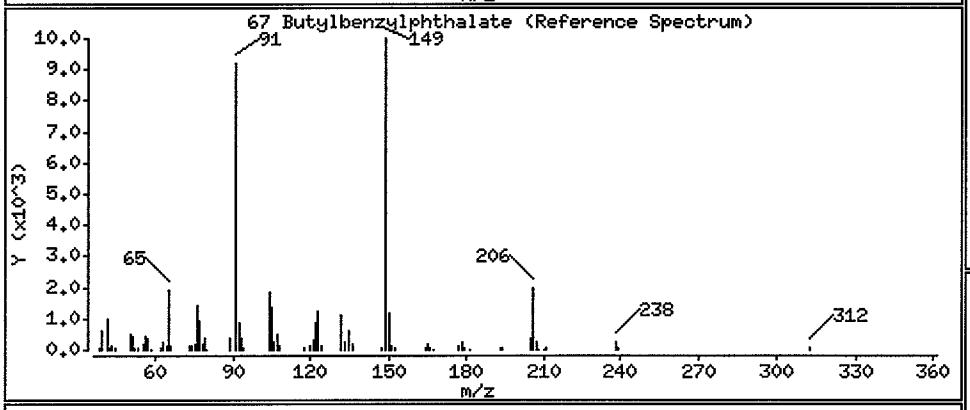
Concentration: 81.24 ug/Kg

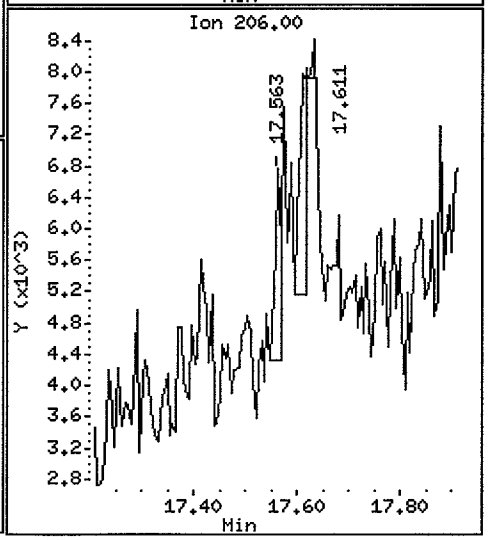


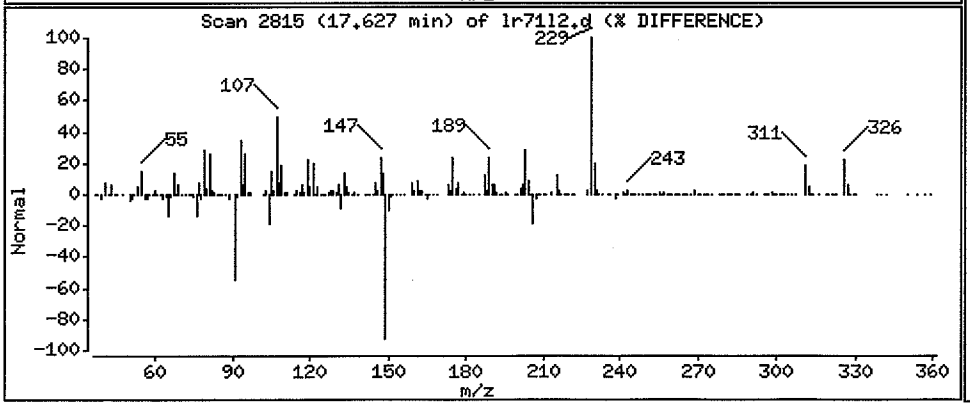












Data File: /chem3/nt4.i/20071101.b/lr7112.d

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

