Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

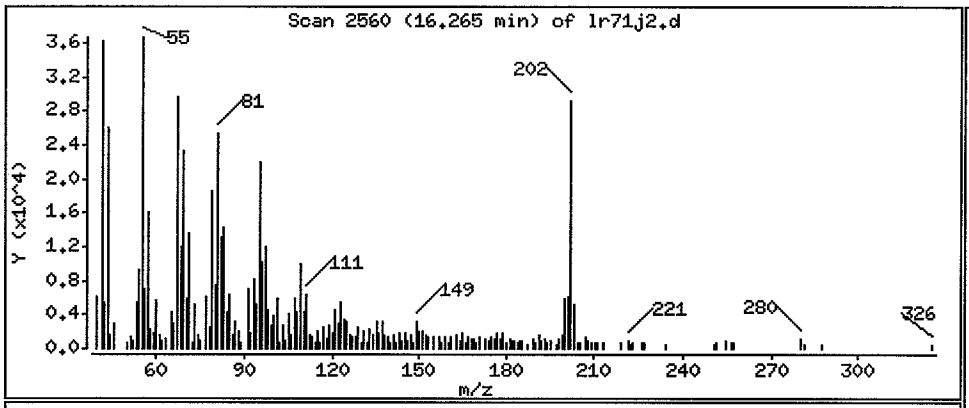
Operator: VTS

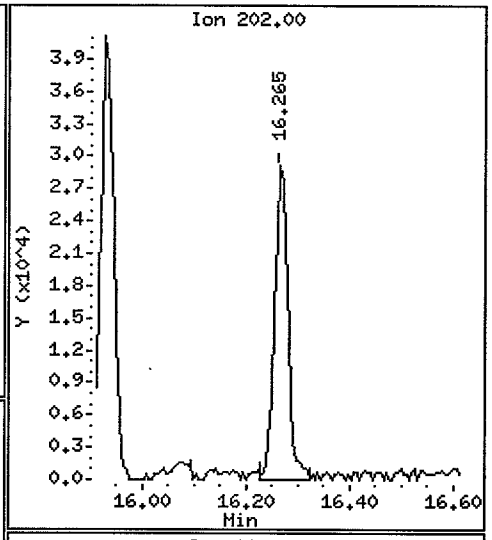
Column phase: ZB-5

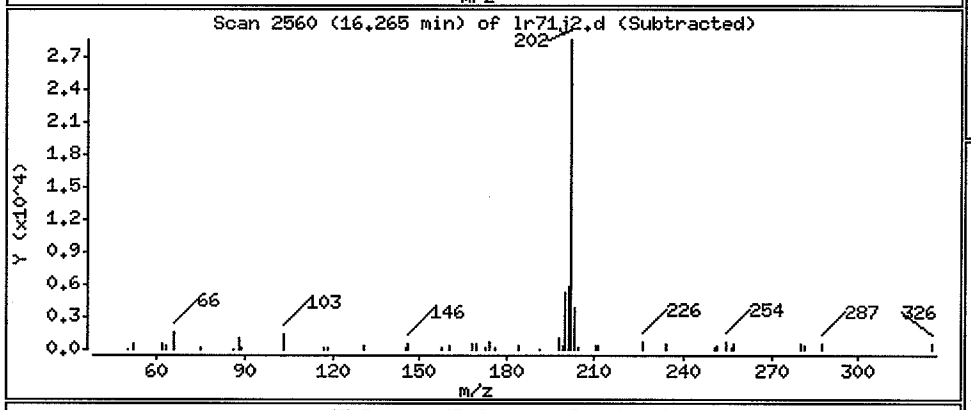
Column diameter: 0.32

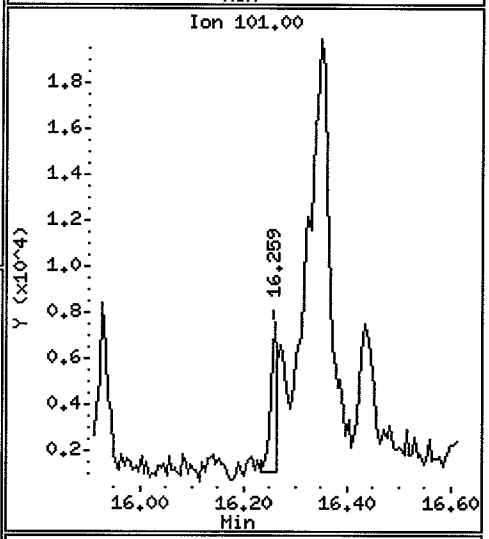
65 Pyrene

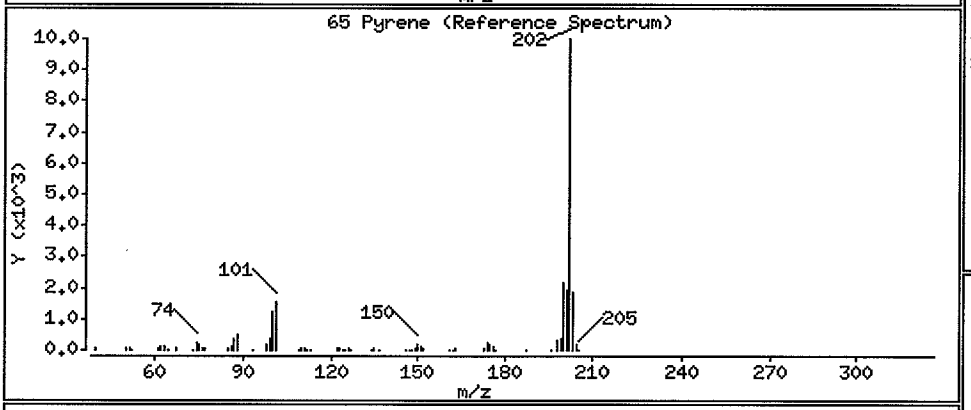
Concentration: 25.84 ug/Kg

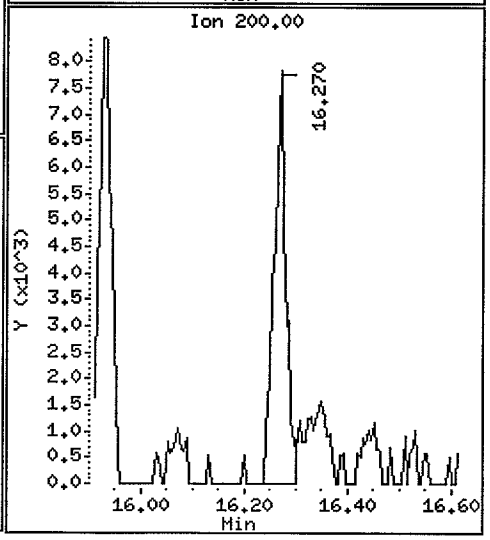


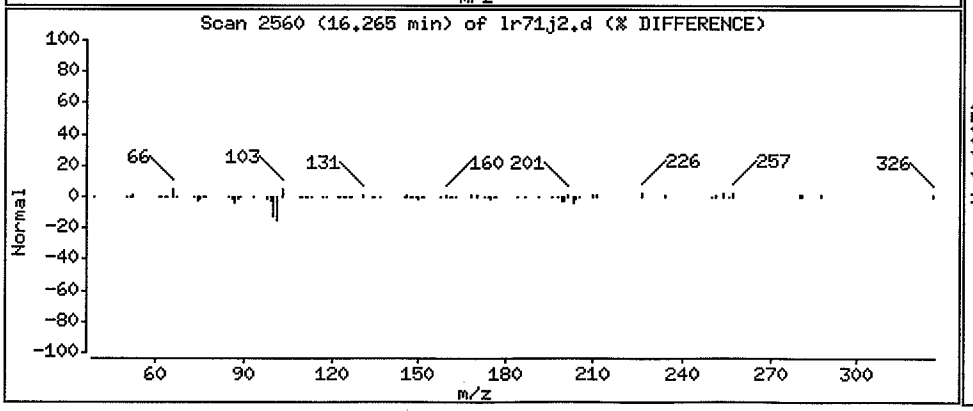












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

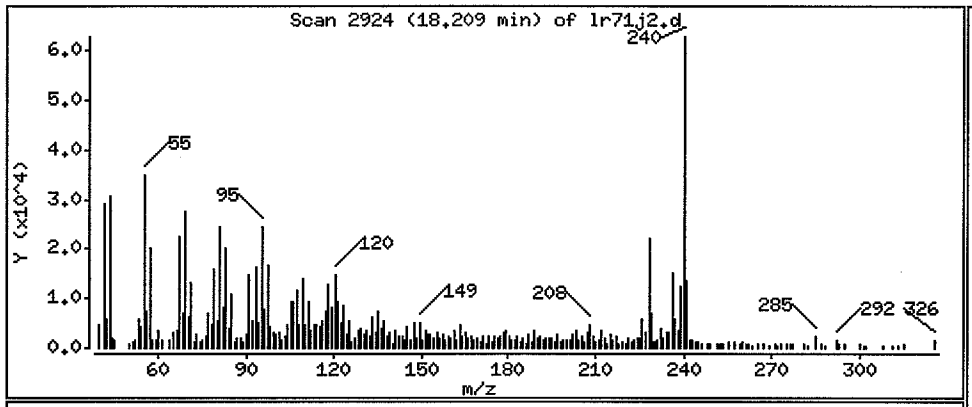
Operator: VTS

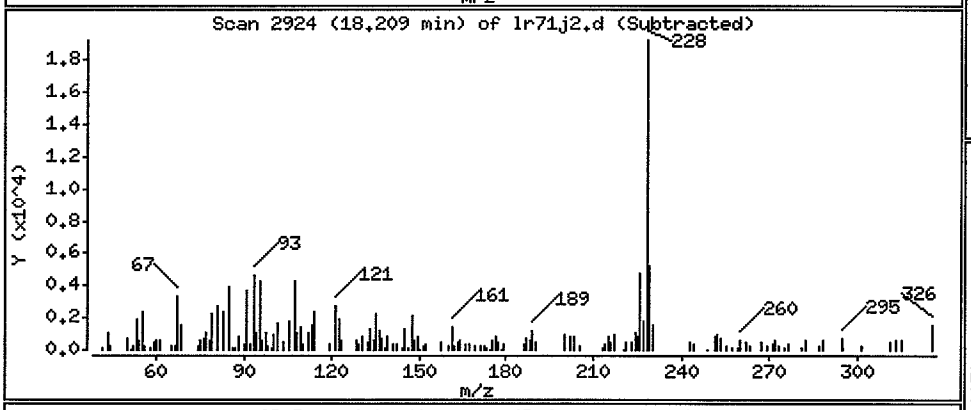
Column phase: ZB-5

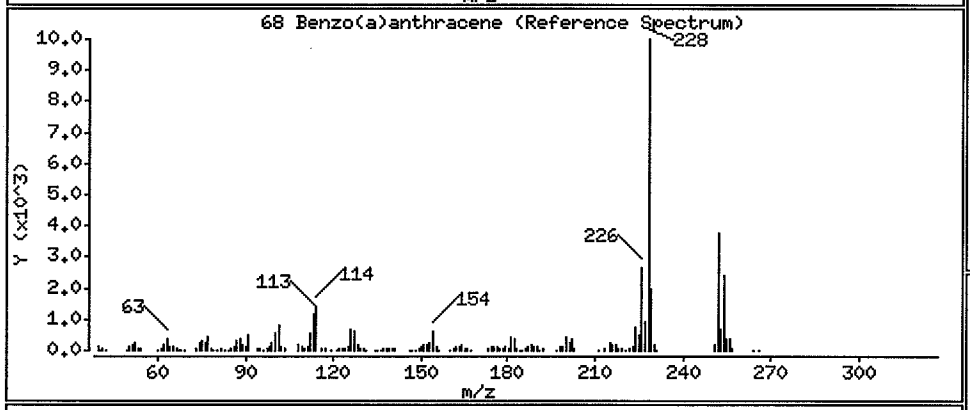
Column diameter: 0.32

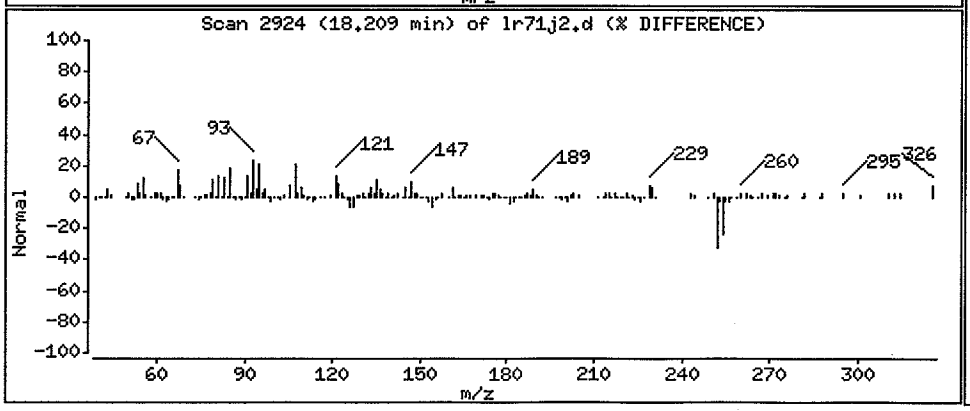
68 Benzo(a)anthracene

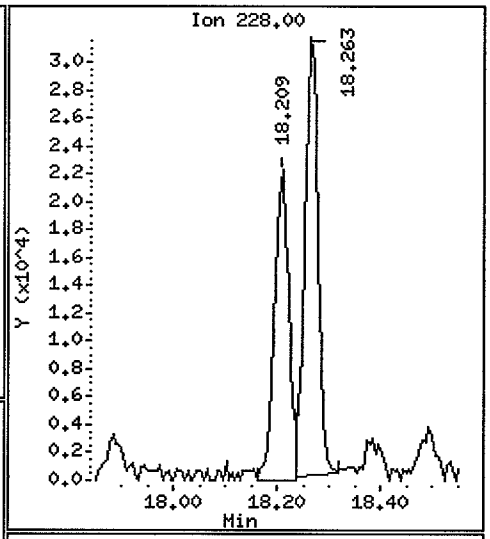
Concentration: 22.81 ug/Kg

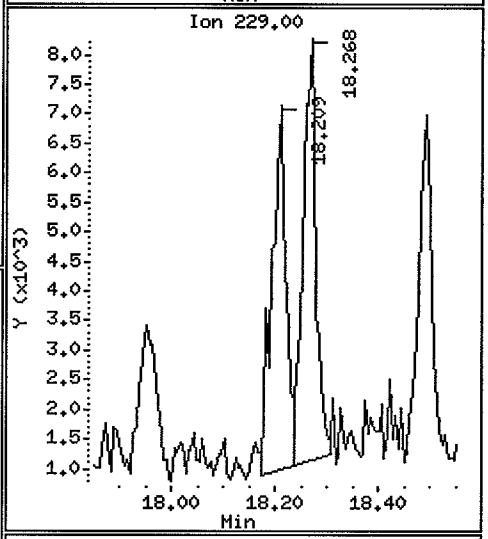


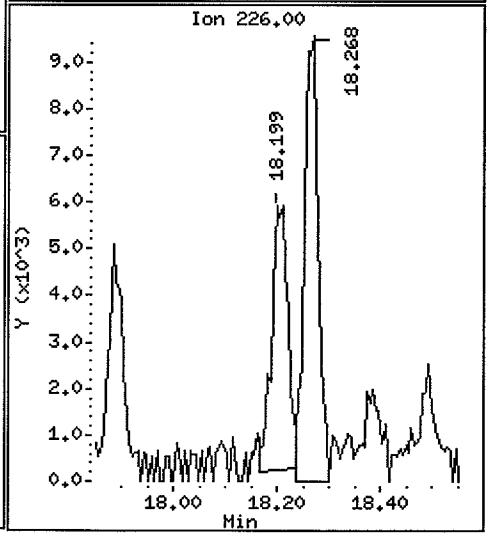












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

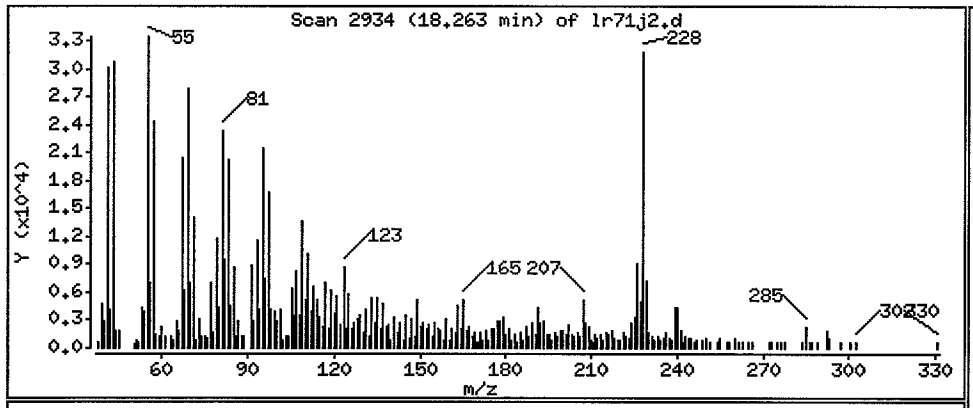
Operator: VTS

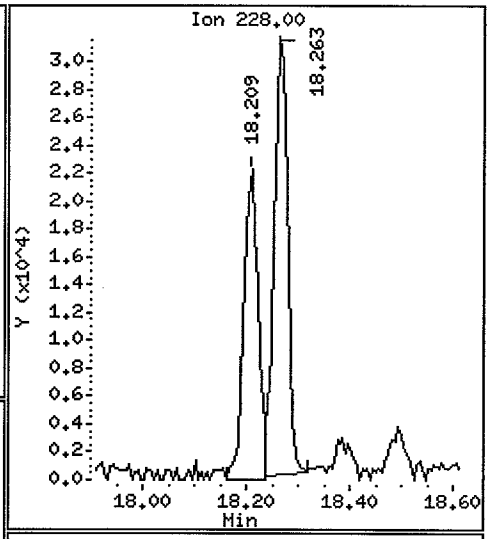
Column phase: ZB-5

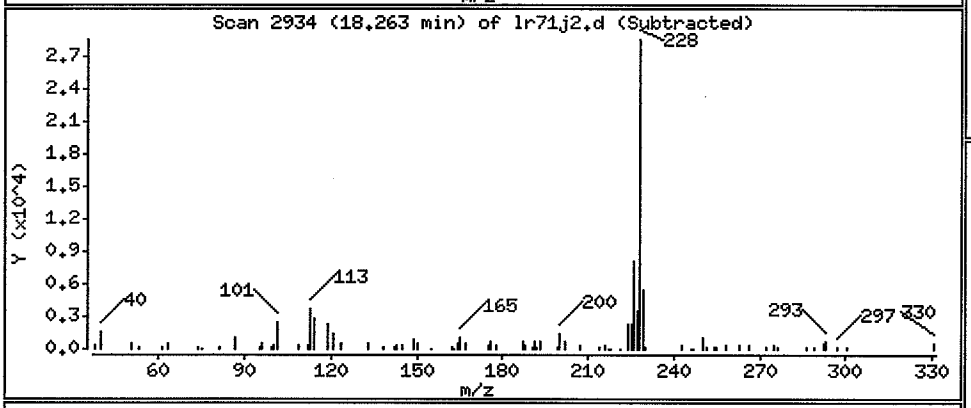
Column diameter: 0.32

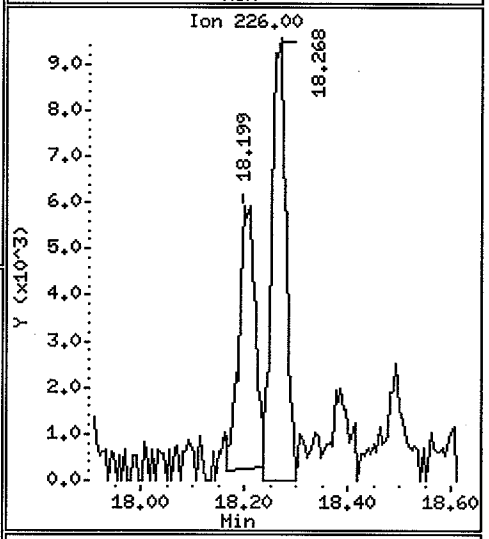
71 Chrysene

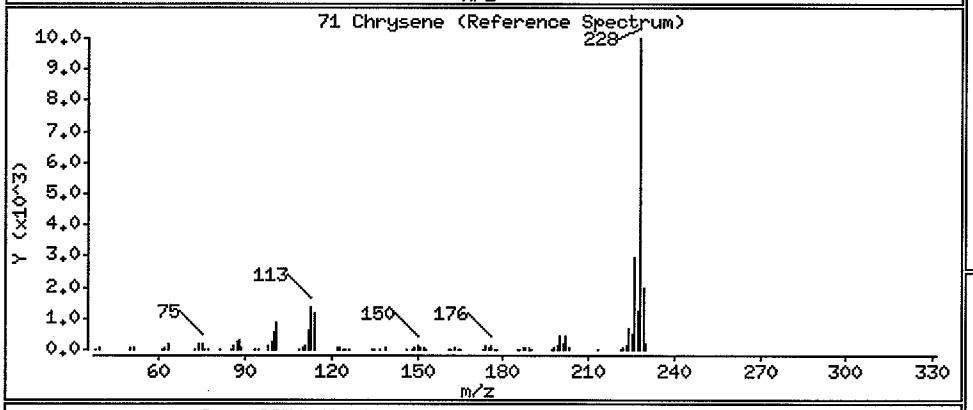
Concentration: 30.88 ug/Kg

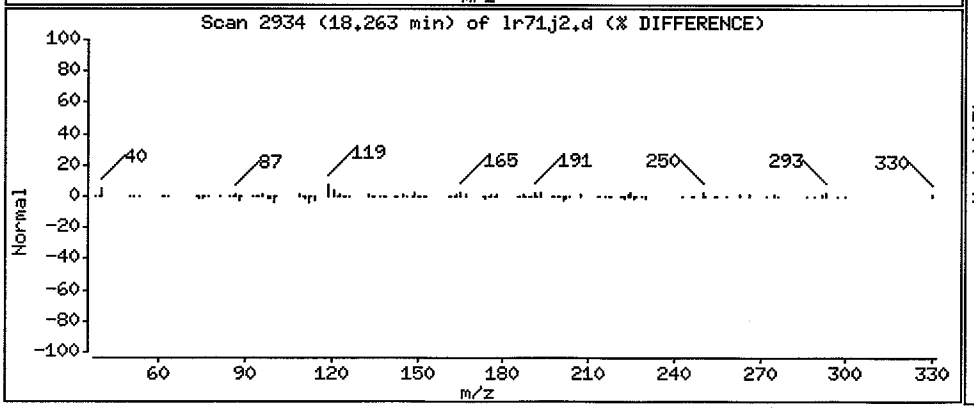


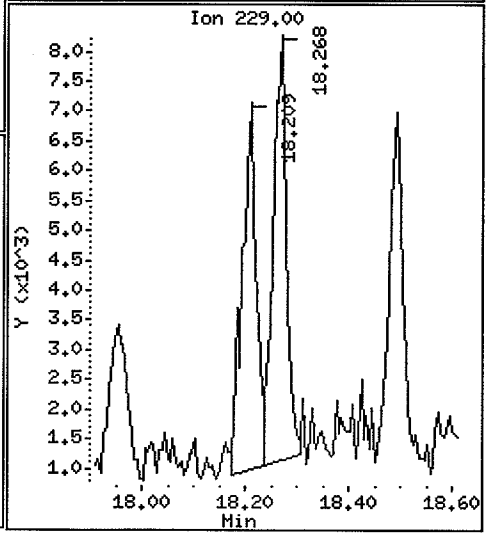












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

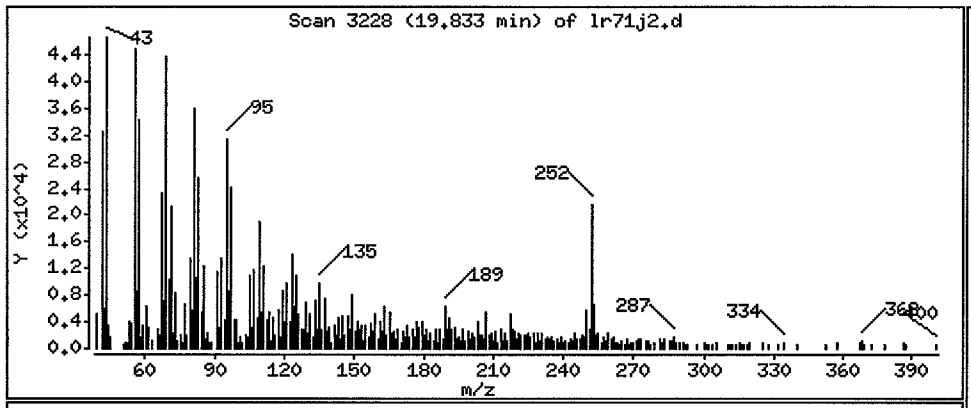
Operator: VTS

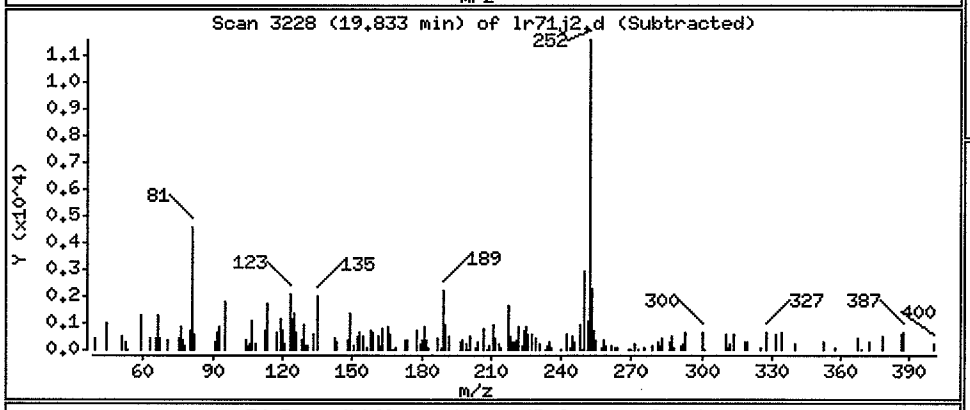
Column phase: ZB-5

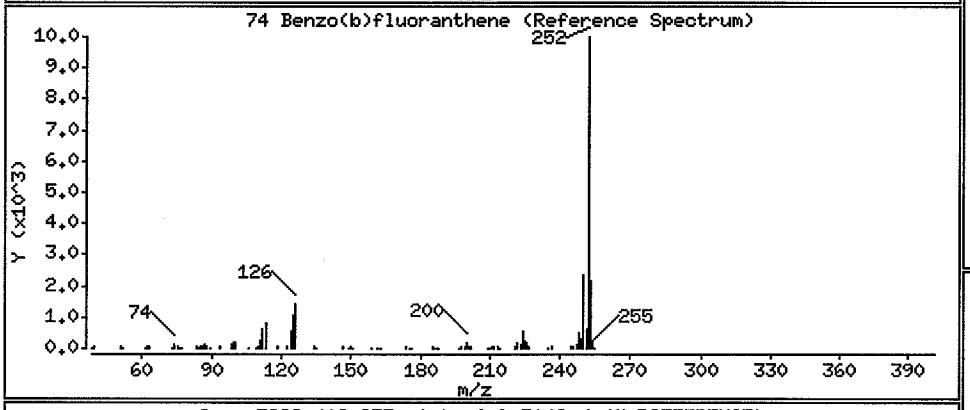
Column diameter: 0.32

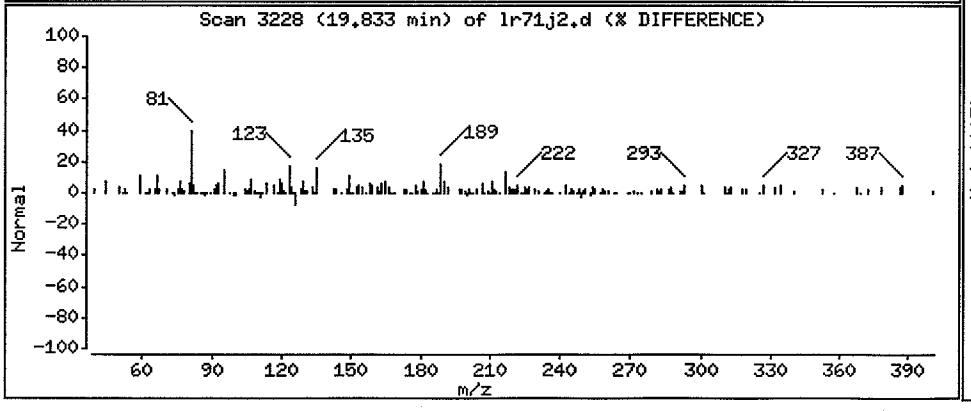
74 Benzo(b)fluoranthene

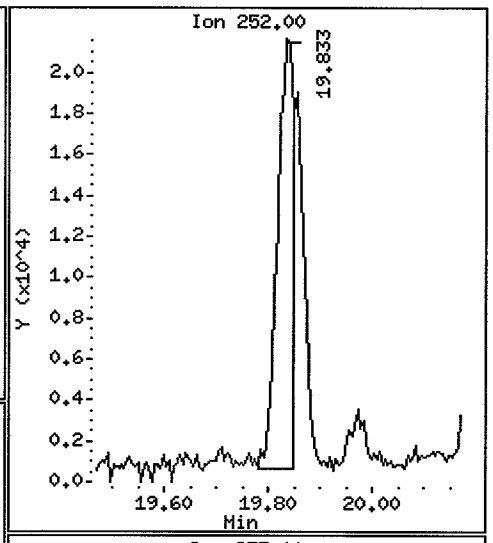
Concentration: 24.05 ug/Kg

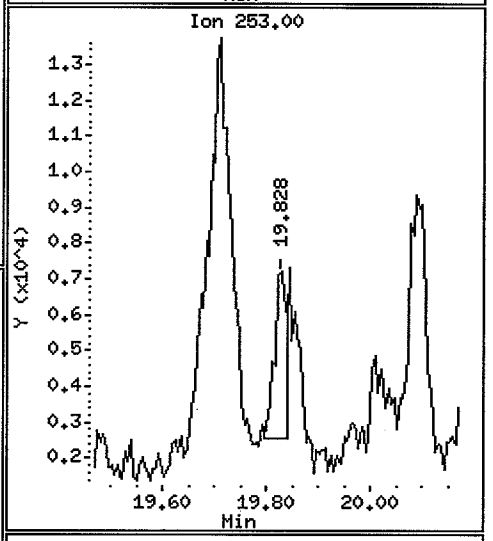


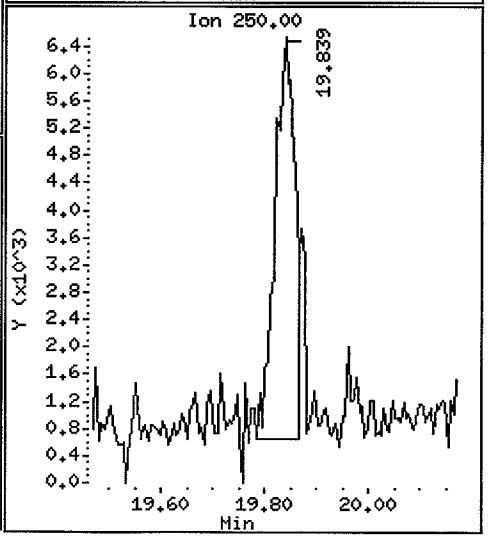












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

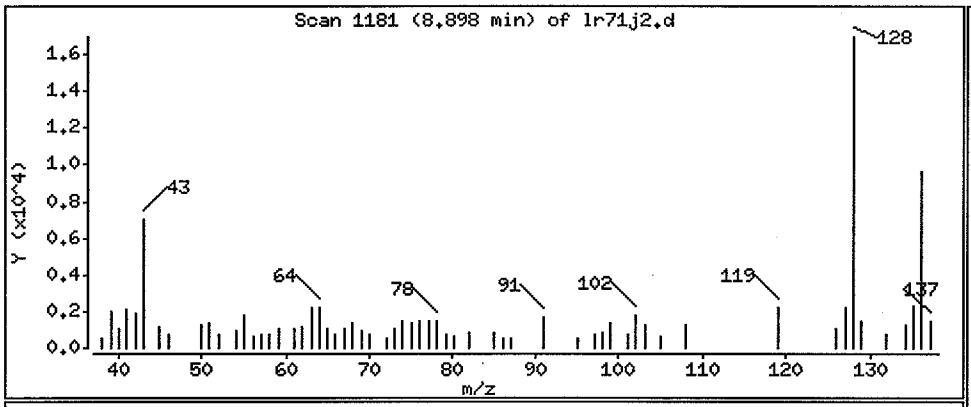
Operator: VTS

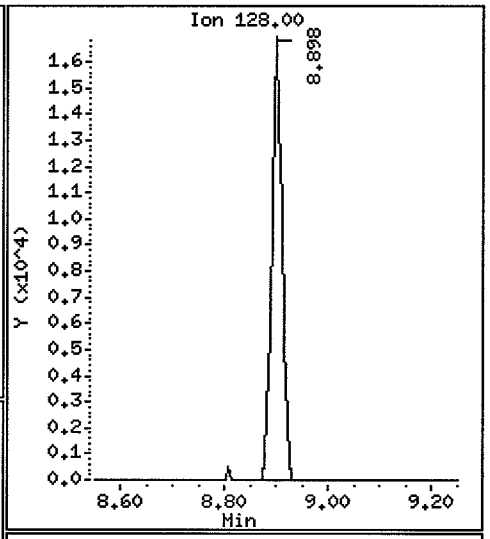
Column phase: ZB-5

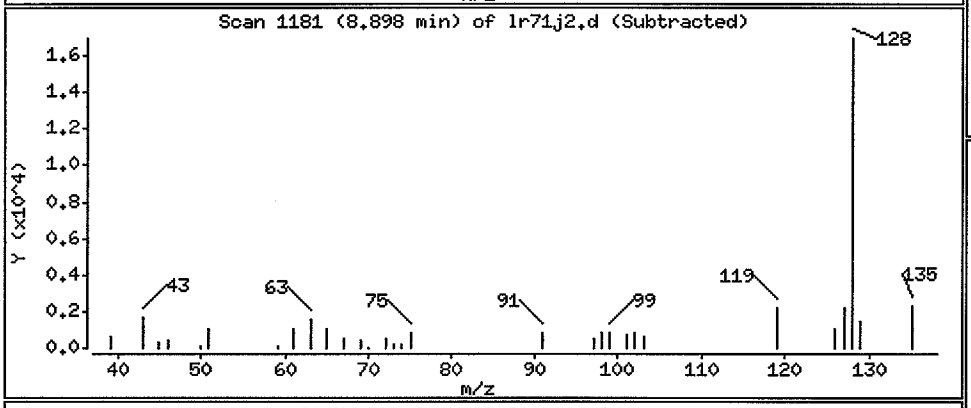
Column diameter: 0.32

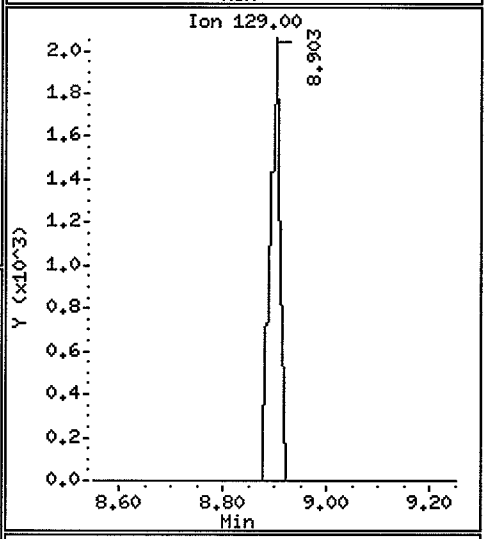
28 Naphthalene

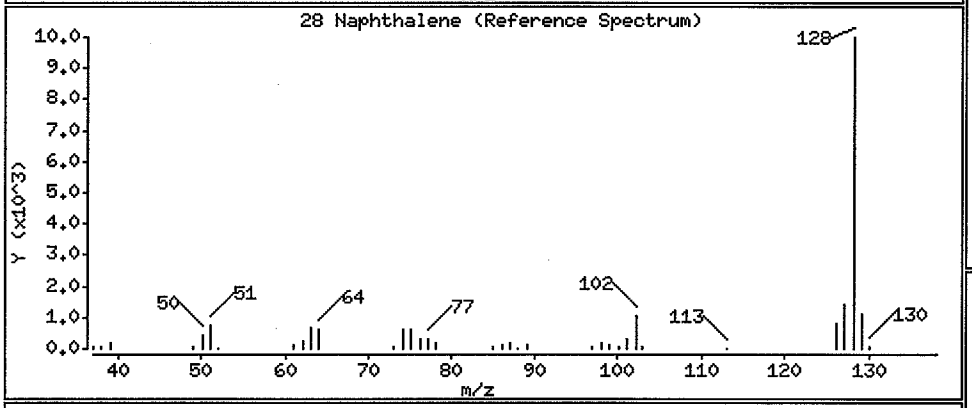
Concentration: 11.74 ug/Kg

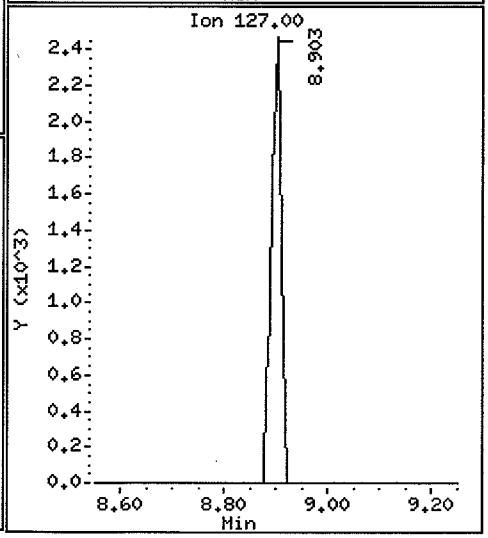


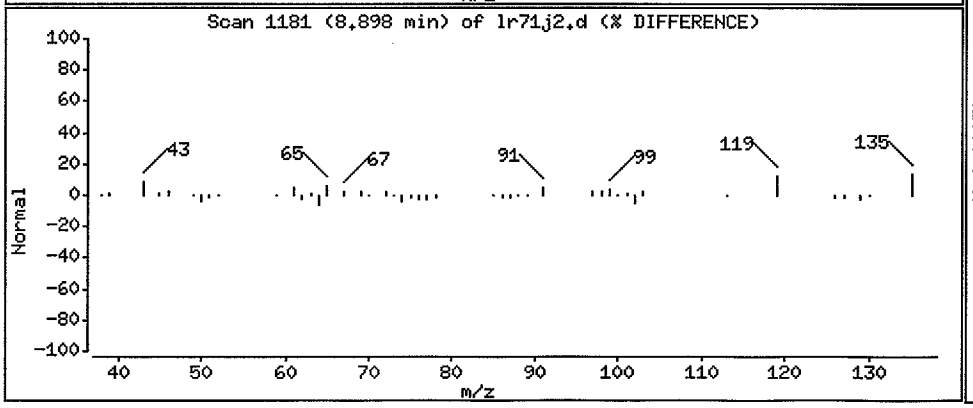












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

Operator: VTS

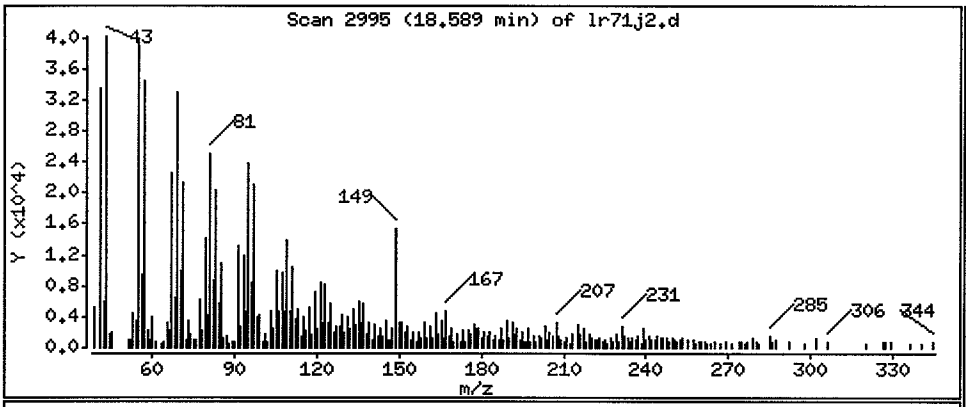
Column phase: ZB-5

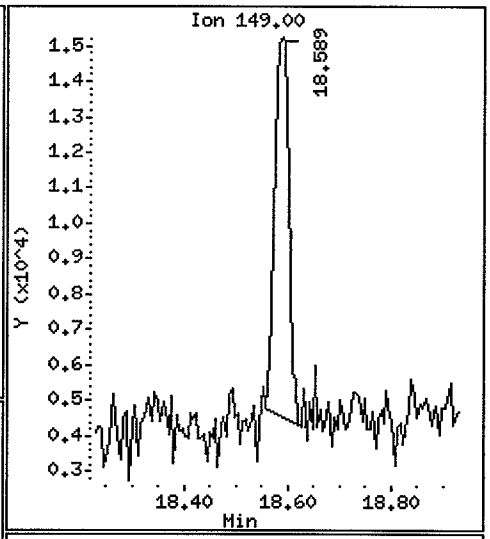
Column diameter: 0.32

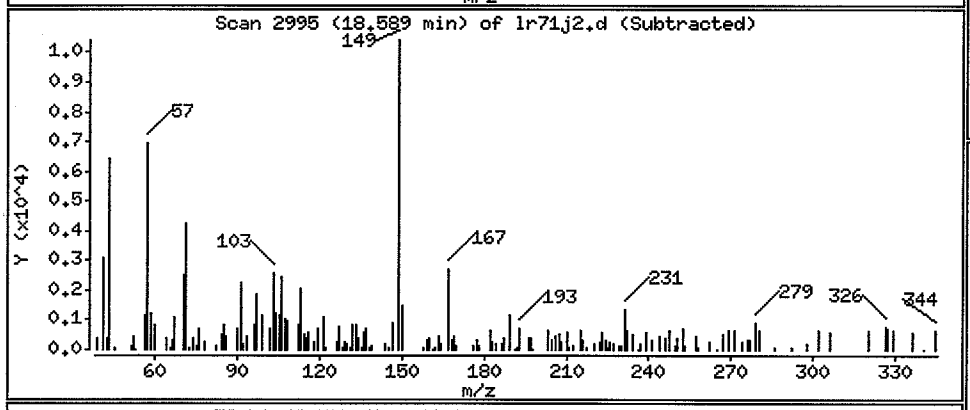
72 bis(2-Ethylhexyl)phthalate

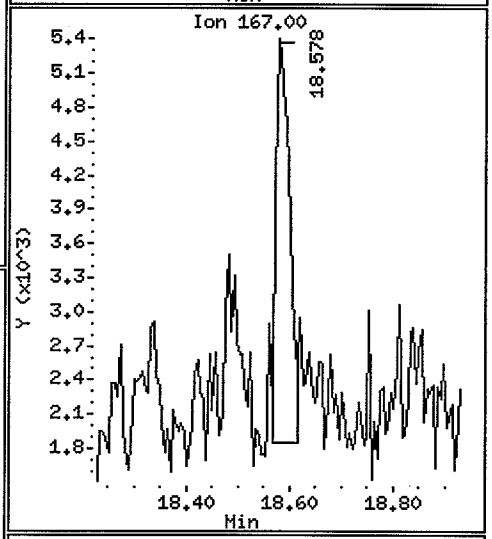
Concentration: 18.56 ug/Kg

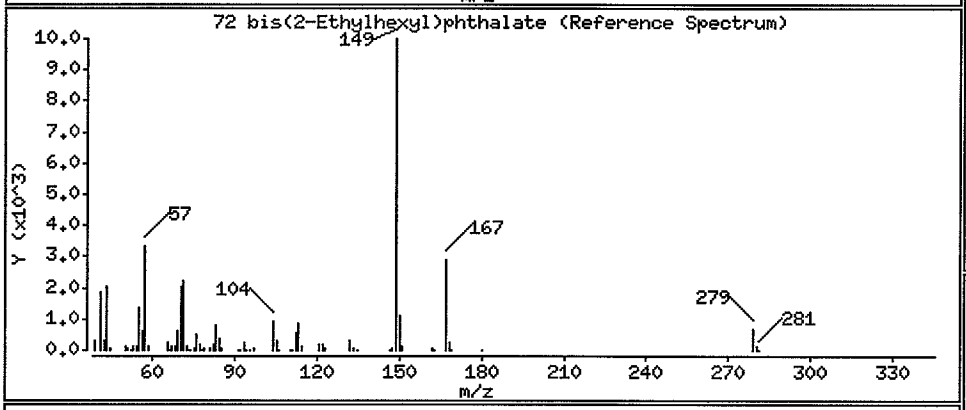
B

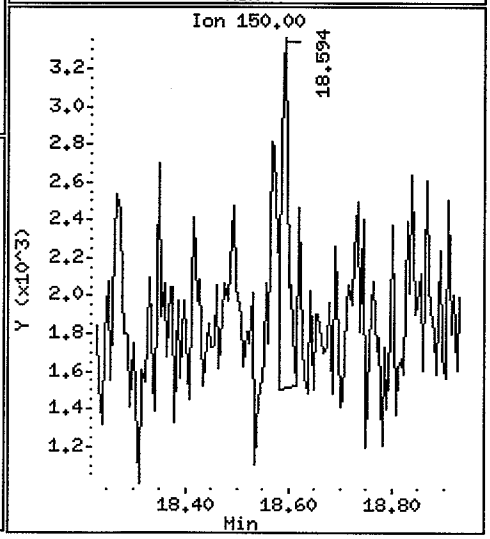


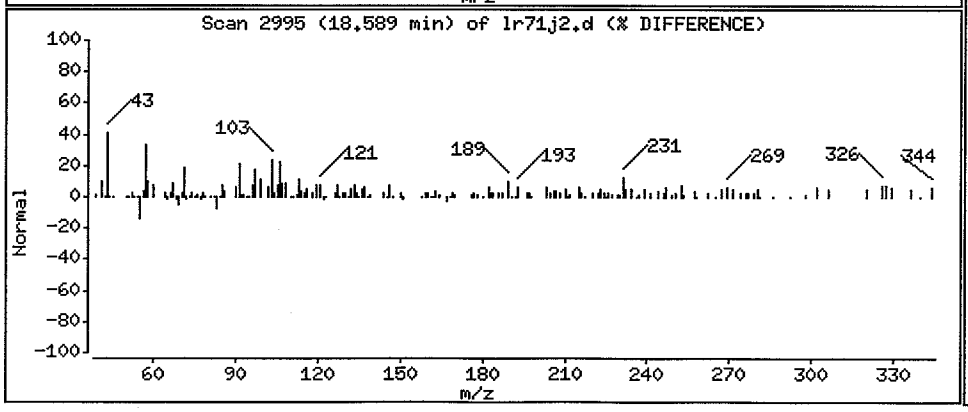












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

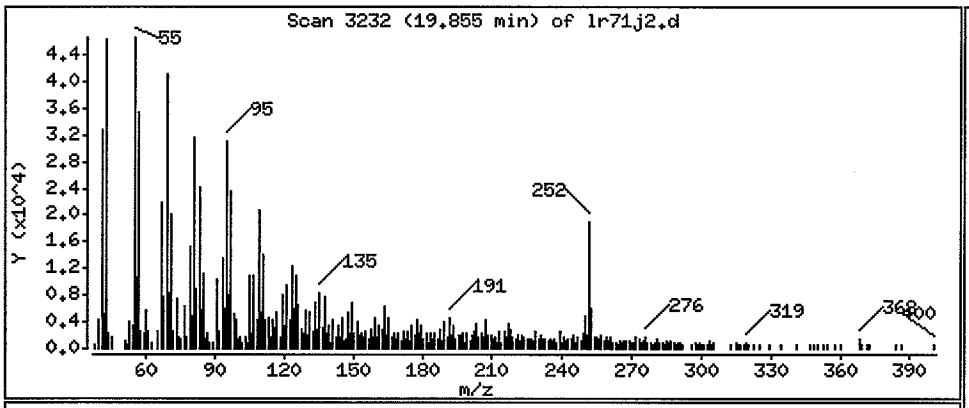
Operator: VTS

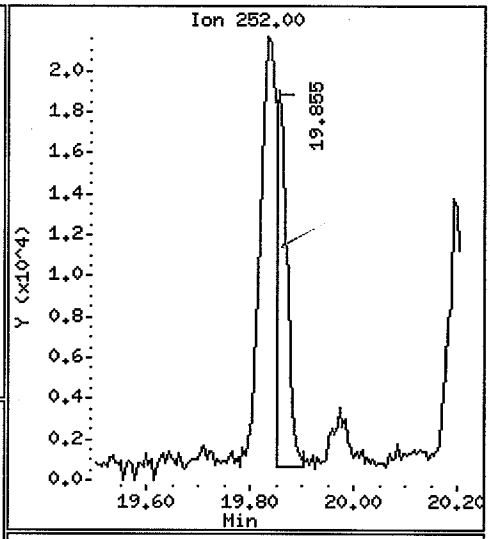
Column phase: ZB-5

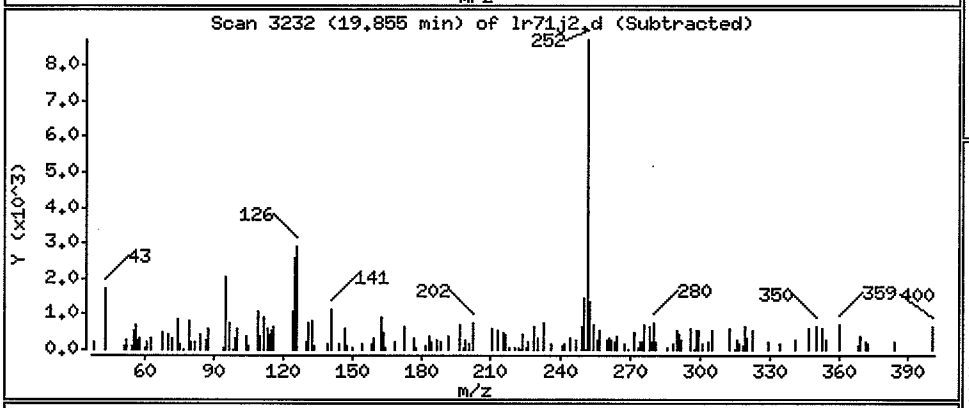
Column diameter: 0.32

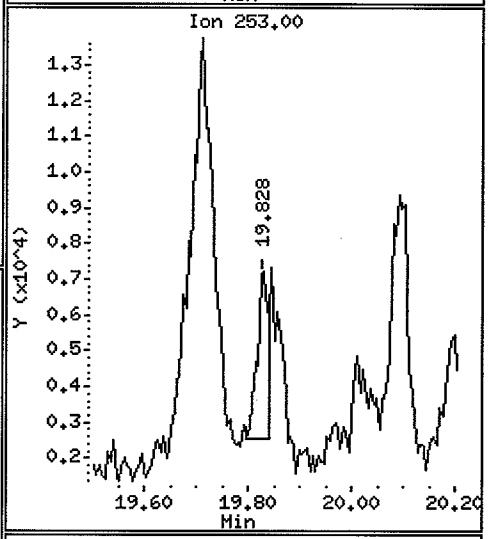
75 Benzo(k)fluoranthene

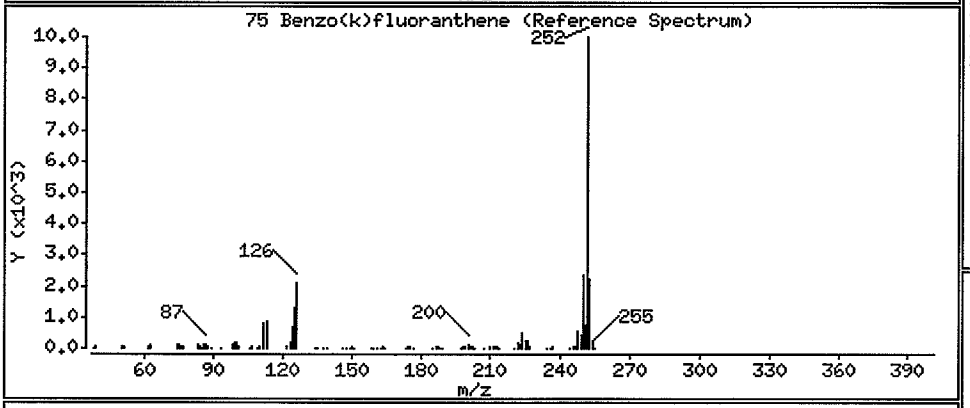
Concentration: 13.11 ug/Kg

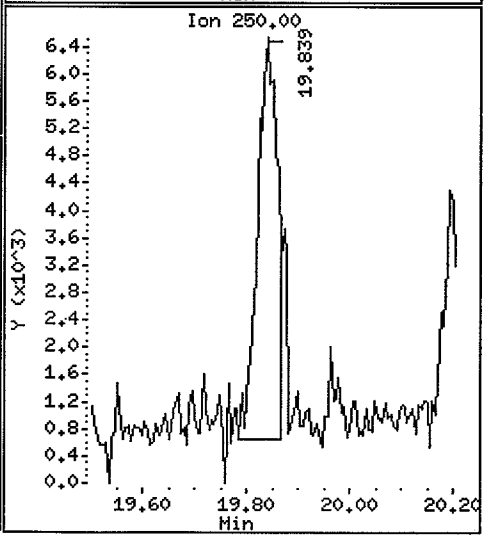


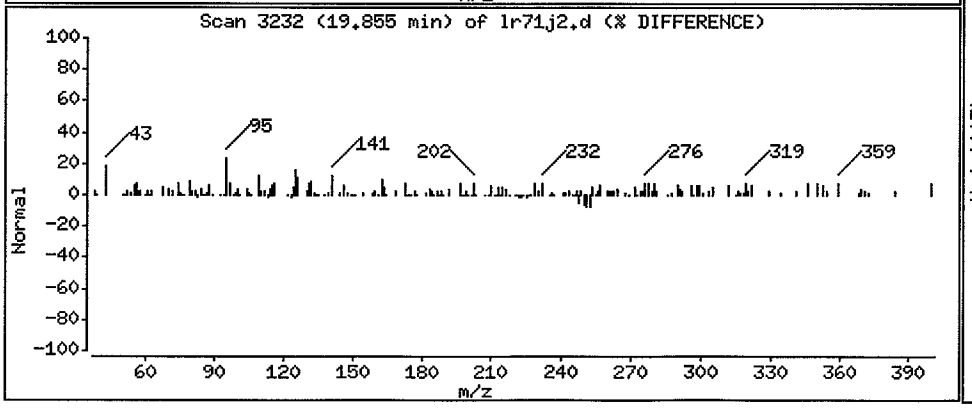












Data File: /chem3/nt4.i/20071101.b/lr71j2.d

Date : 01-NOV-2007 21:52

Client ID:

Instrument: nt4.i

Sample Info: LR71JRE

Volume Injected (uL): 1.0

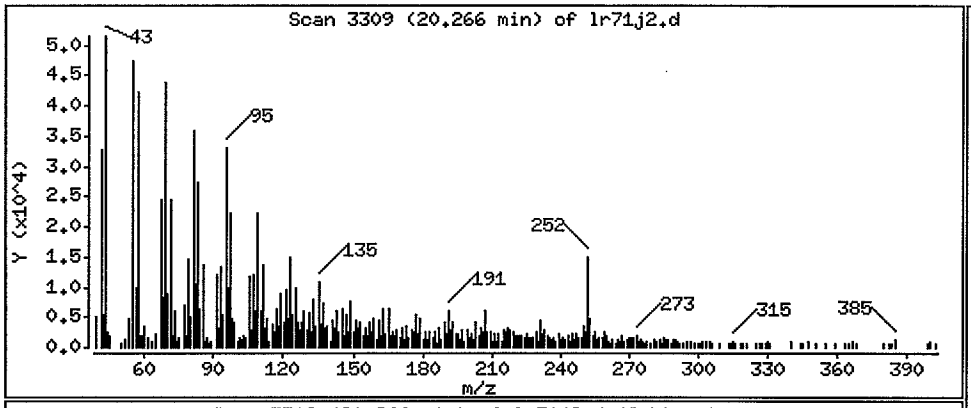
Operator: VTS

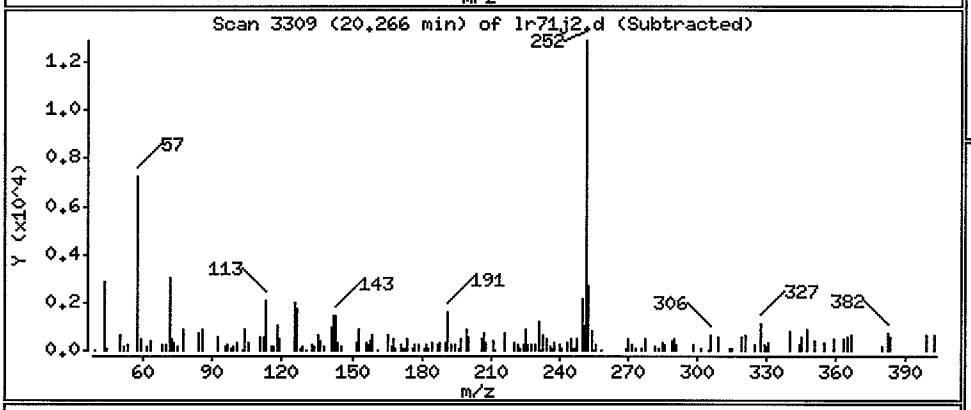
Column phase: ZB-5

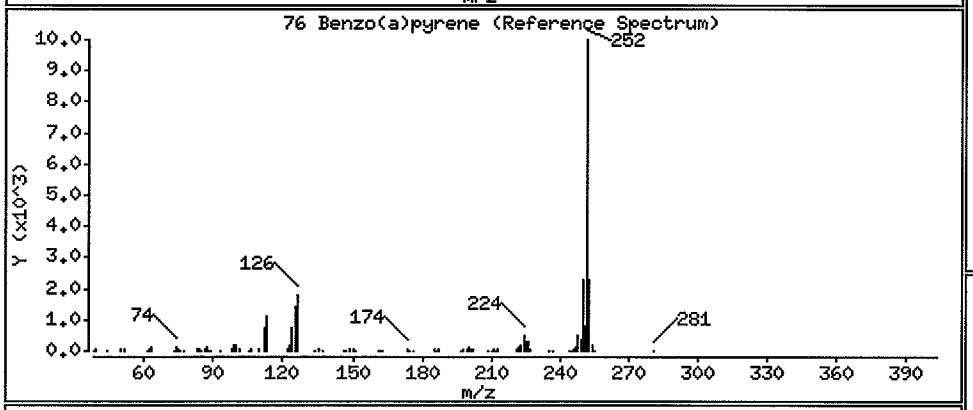
Column diameter: 0.32

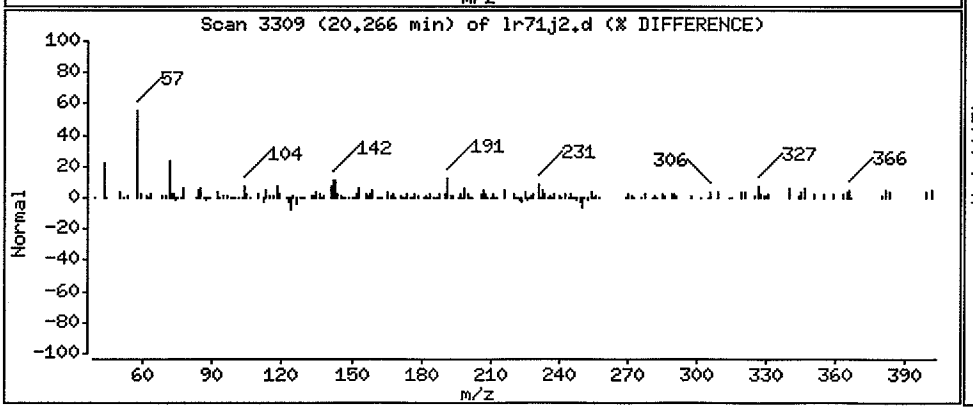
76 Benzo(a)pyrene

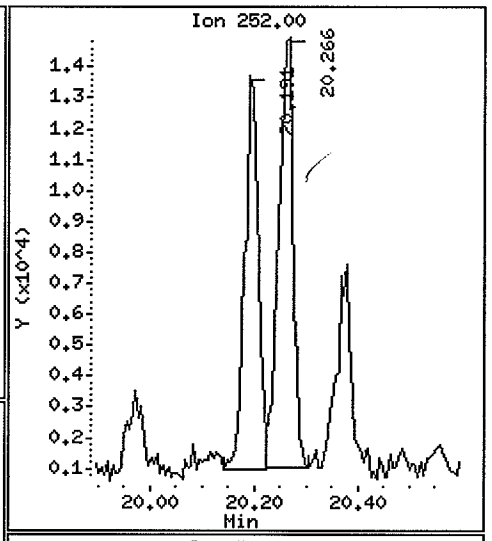
Concentration: 16.05 ug/Kg

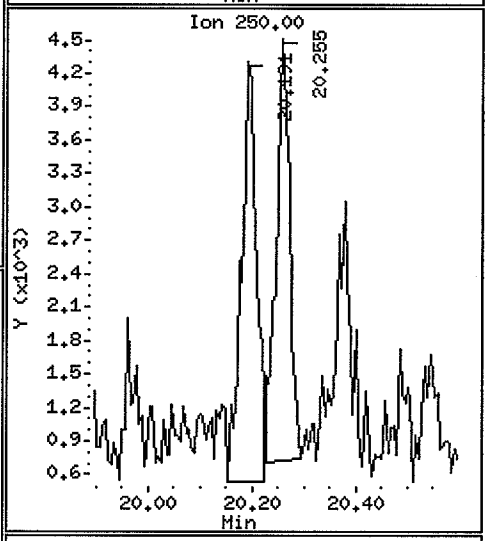


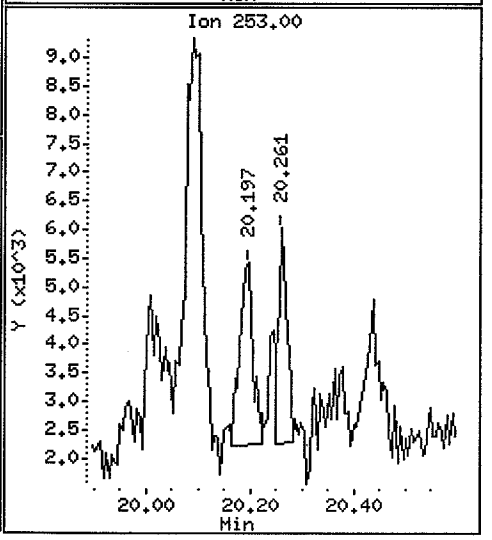












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-08
SAMPLE

Lab Sample ID: LR71K
LIMS ID: 07-20776
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 20:51
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 41.2%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**59**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	**Naphthalene**	**20**	**65**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	**2-Methylnaphthalene**	**20**	**42**
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	**Acenaphthylene**	**20**	**47**
83-32-9	**Acenaphthene**	**20**	**37**
132-64-9	**Dibenzofuran**	**20**	**51**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**85**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**740**
120-12-7	**Anthracene**	**20**	**100**
84-74-2	**Di-n-Butylphthalate**	**20**	**30**
206-44-0	**Fluoranthene**	**20**	**1,100**
129-00-0	**Pyrene**	**20**	**780**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**300**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**440**
218-01-9	**Chrysene**	**20**	**380**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**260**
207-08-9	**Benzo(k)fluoranthene**	**20**	**420**
50-32-8	**Benzo(a)pyrene**	**20**	**330**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**76**
53-70-3	**Dibenz(a,h)anthracene**	**20**	**26**
191-24-2	**Benzo(g,h,i)perylene**	**20**	**49**

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-08**
 SAMPLE

Lab Sample ID: LR71K QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20776 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 10/18/07 20:51

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	35

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	55.2%	2-Fluorobiphenyl	53.6%
d14-p-Terphenyl	71.2%	d4-1,2-Dichlorobenzene	46.4%
d5-Phenol	56.3%	2-Fluorophenol	67.7%
2,4,6-Tribromophenol	72.5%	d4-2-Chlorophenol	57.3%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071018.b/lr71k.d
Lab Smp Id: LR71K Client Smp ID: AN-SS-08
Inj Date : 18-OCT-2007 20:51
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71K
Misc Info : 07-20776
Comment : 1ul Injection
Method : /chem1/nt6.i/20071018.b/SW846.m
Meth Date : 25-Oct-2007 15:32 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 10/25/07

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	86.00000	Weight of sample extracted (g)
M	41.20000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1	2-Fluorophenol	112	5.976	5.917	(0.755)	363340	25.3721	501.7
$ 2	Phenol-d5	99	7.509	7.488	(0.949)	386157	21.1090	417.4
3	Phenol	94	7.530	7.504	(0.951)	14089	0.62144 LOL	12.29
$ 5	2-Chlorophenol-d4	132	7.616	7.600	(0.962)	262252	21.5243	425.7
4	Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6	2-Chlorophenol	128	Compound Not Detected.					
7	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8	1,4-Dichlorobenzene-d4	152	7.915	7.904	(1.000)	194329	20.0000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	8.214	8.204	(1.038)	106295	11.6339	230.1
12	1,2-Dichlorobenzene	146	Compound Not Detected.					
11	Benzyl alcohol	108	Compound Not Detected.					
14	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13	2-Methylphenol	108	Compound Not Detected.					
17	Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	8.689	8.674	(1.098)	40550	2.97140	58.76
$	18 Nitrobenzene-d5	82	8.850	8.845	(0.887)	267555	13.7598	272.1
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.971	9.961	(1.000)	605202	20.0000	
	28 Naphthalene	128	10.004	9.999	(1.003)	122201	3.27571	64.78
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	11.131	11.126	(1.116)	39735	2.11983	41.92
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	11.788	11.777	(0.917)	400583	13.4419	265.8
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	12.594	12.584	(0.980)	93173	2.37394	46.95
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.856	12.841	(1.000)	382755	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.904	12.894	(1.004)	46381	1.87237	37.03
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	13.166	13.156	(1.024)	89816	2.58804	51.18
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	13.722	13.711	(1.067)	118011	4.30520	85.14
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	14.154	14.139	(1.101)	101154	27.2393	538.7
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	15.239	15.223	(1.000)	698411	20.0000	
	60 Phenanthrene	178	15.282	15.261	(1.003)	1668610	37.2370	736.4
	61 Anthracene	178	15.346	15.335	(1.007)	227154	5.06264	100.1
	62 Carbazole	167	15.639	15.624	(1.026)	104901	2.62835	51.98

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)	
63	Di-n-butylphthalate	149	16.371	16.350	(1.074)	69242	1.48789	29.42	
64	Fluoranthene	202	17.242	17.205	(1.131)	2763886	53.9357	1067	
65	Pyrene	202	17.600	17.563	(0.898)	2568651	39.7146	785.4	
$ 66	Terphenyl-d14	244	17.915	17.884	(0.914)	720919	17.8077	352.2	
67	Butylbenzylphthalate	149	Compound Not Detected.						
68	Benzo(a)anthracene	228	19.577	19.529	(0.999)	1058194	14.9973	296.6	
* 69	Chrysene-d12	240	19.603	19.556	(1.000)	900542	20.0000		(M)
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.						
71	Chrysene	228	19.641	19.598	(1.002)	1219640	19.2349	380.4	
72	bis(2-Ethylhexyl)phthalate	149	19.828	19.785	(0.955)	846666	22.3954	442.9	
* 134	Di-n-octylphthalate-d4	153	20.752	20.720	(1.000)	1250276	20.0000		
73	Di-n-octylphthalate	149	Compound Not Detected.						
74	Benzo(b)fluoranthene	252	21.238	21.190	(0.976)	491823	13.3770	264.5	
75	Benzo(k)fluoranthene	252	21.259	21.228	(0.977)	831787	21.3866	422.9	(M)
76	Benzo(a)pyrene	252	21.687	21.639	(0.996)	565551	16.7567	331.4	
* 77	Perylene-d12	264	21.767	21.719	(1.000)	511997	20.0000		
78	Indeno(1,2,3-cd)pyrene	276	23.252	23.215	(1.068)	153844	3.84349	76.01	
79	Dibenzo(a,h)anthracene	278	23.273	23.236	(1.069)	43339	1.28872	25.48	
80	Benzo(g,h,i)perylene	276	23.669	23.616	(1.087)	98306	2.45598	48.57	
90	N-Nitrosodimethylamine	74	Compound Not Detected.						
91	Aniline	93	Compound Not Detected.						
93	Benzidine	184	17.520	17.461	(0.894)	37261	1.23252	24.37	RT
103	Pyridine	79	Compound Not Detected.						
105	1-methylnaphthalene	141	11.307	11.297	(1.134)	33044	1.76776	34.96	
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.						

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: lr71k.d
Lab Smp Id: LR71K
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20776

Calibration Date: 18-OCT-2007
Calibration Time: 10:07
Client Smp ID: AN-SS-08
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	194329	-8.37
27 Naphthalene-d8	656578	328289	1313156	605202	-7.82
42 Acenaphthene-d10	353705	176852	707410	382755	8.21
59 Phenanthrene-d10	526440	263220	1052880	698411	32.67
69 Chrysene-d12	581923	290962	1163846	900542	54.75
134 Di-n-octylphthala	979097	489548	1958194	1250276	27.70
77 Perylene-d12	686531	343266	1373062	511997	-25.42

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.90	7.40	8.40	7.91	0.13
27 Naphthalene-d8	9.96	9.46	10.46	9.97	0.10
42 Acenaphthene-d10	12.84	12.34	13.34	12.86	0.12
59 Phenanthrene-d10	15.22	14.72	15.72	15.24	0.10
69 Chrysene-d12	19.56	19.06	20.06	19.60	0.24
134 Di-n-octylphthala	20.72	20.22	21.22	20.75	0.15
77 Perylene-d12	21.72	21.22	22.22	21.77	0.22

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

Analytical Resources, Inc.

RECOVERY REPORT

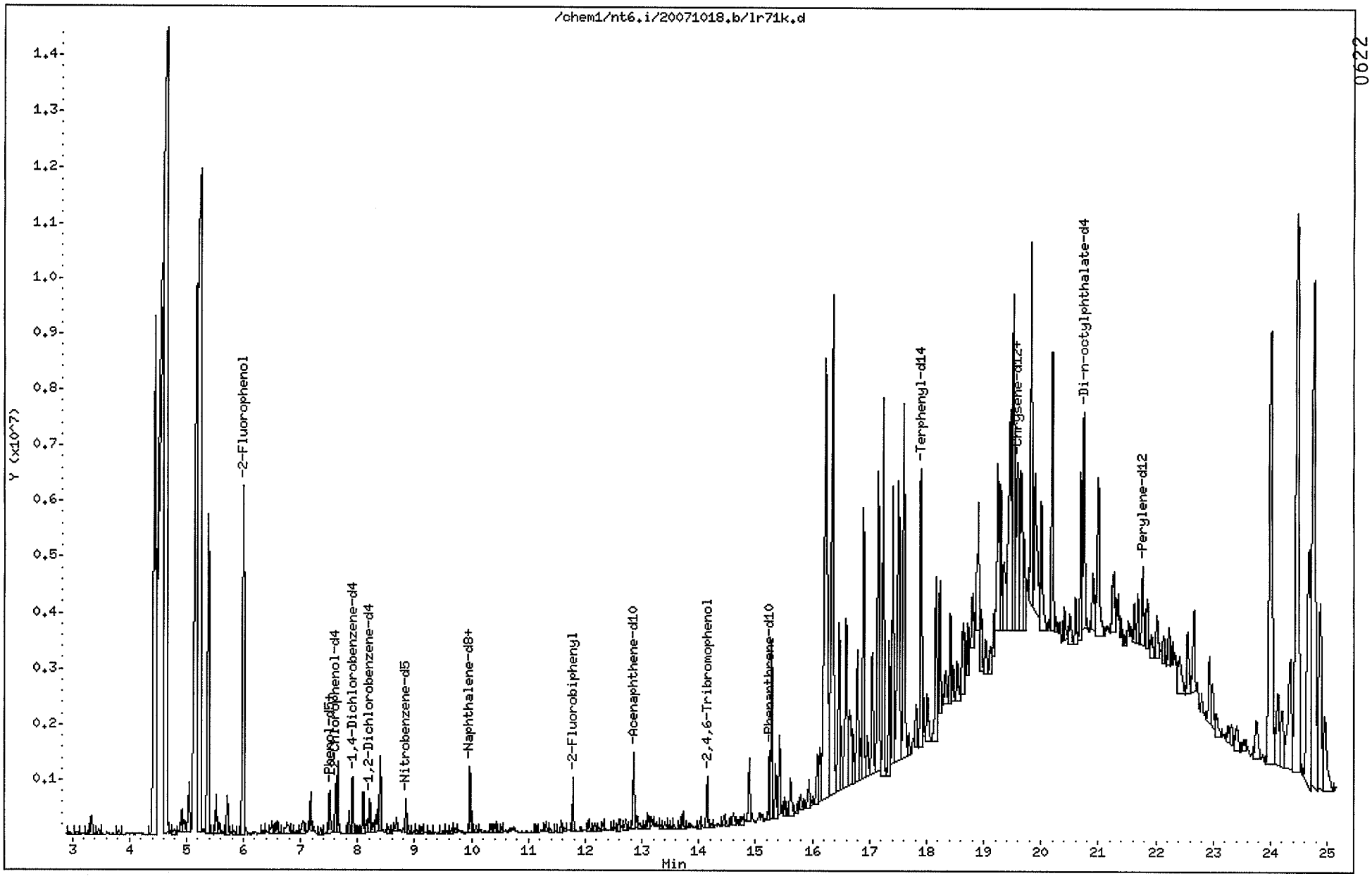
Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71K
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20776

Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-08
Operator: LJR/VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	741.6	501.7	67.66	11-84
$ 2 Phenol-d5	741.6	417.4	56.29	25-86
$ 5 2-Chlorophenol-d4	741.6	425.7	57.40	23-91
$ 10 1,2-Dichlorobenzen	494.4	230.1	46.54	24-90
$ 18 Nitrobenzene-d5	494.4	272.1	55.04	26-88
$ 36 2-Fluorobiphenyl	494.4	265.8	53.77	34-91
$ 55 2,4,6-Tribromophen	741.6	538.7	72.64	25-107
$ 66 Terphenyl-d14	494.4	352.2	71.23	22-100

Data File: /chem1/nt6.i/20071018.b/lr71k.d
Date : 18-OCT-2007 20:51
Client ID: AN-SS-08
Sample Info: LR71K
Volume Injected (uL): 1.0
Column phase: ZB-5

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



Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

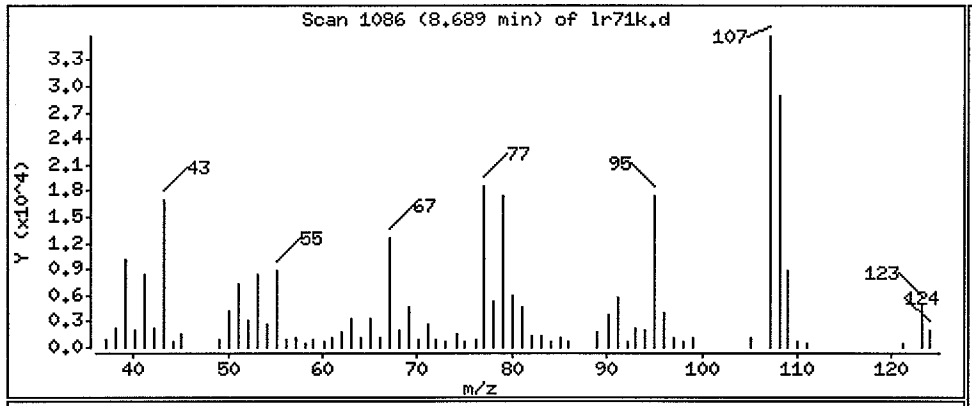
Client ID: AN-SS-08 Instrument: nt6.i

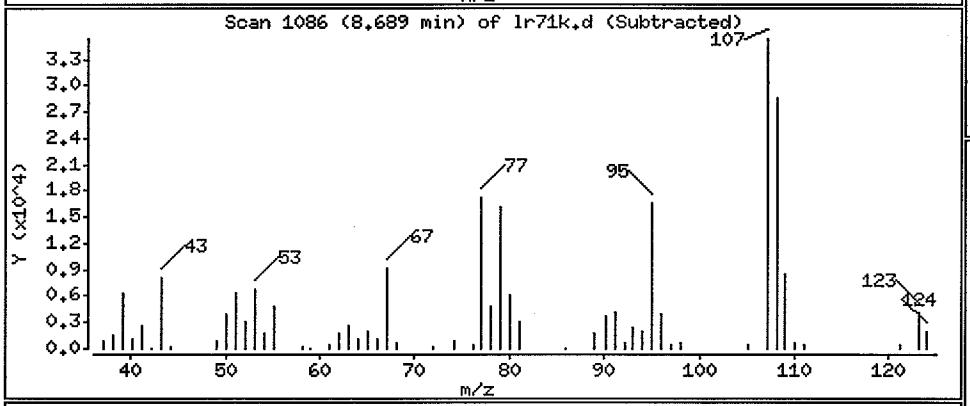
Sample Info: LR71K

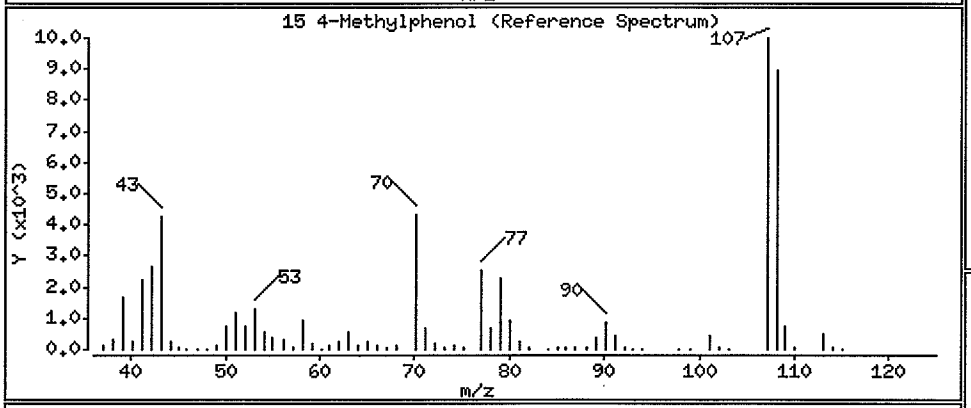
Volume Injected (uL): 1.0 Operator: LJR/VTS

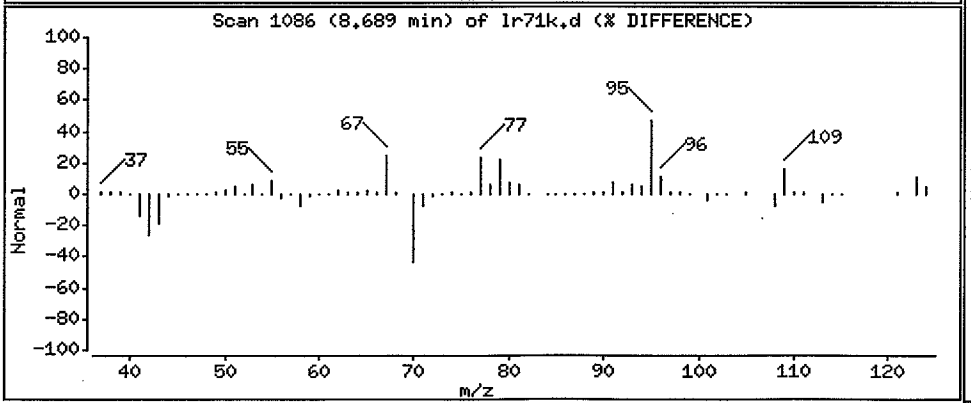
Column phase: ZB-5 Column diameter: 0.32

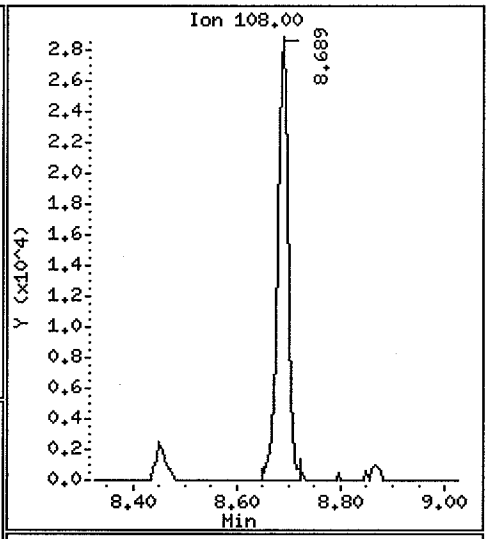
15 4-Methylphenol Concentration: 58.76 ug/kg

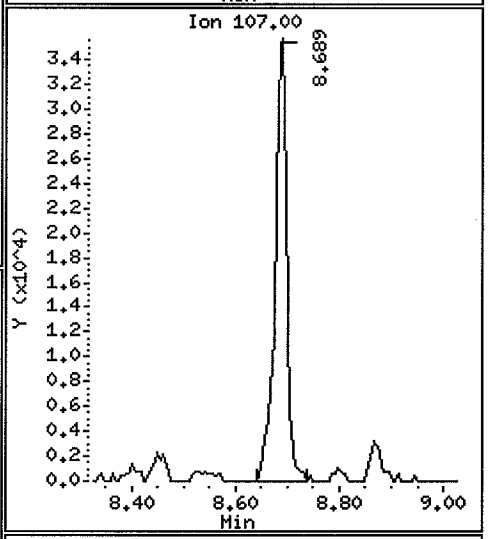


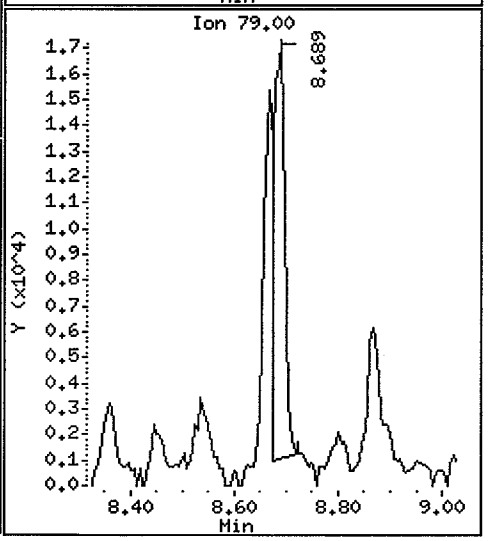












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

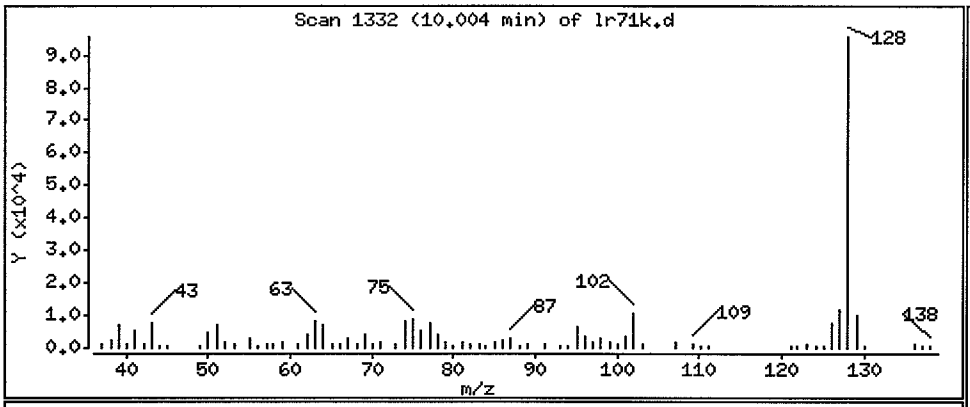
Operator: LJR/VTS

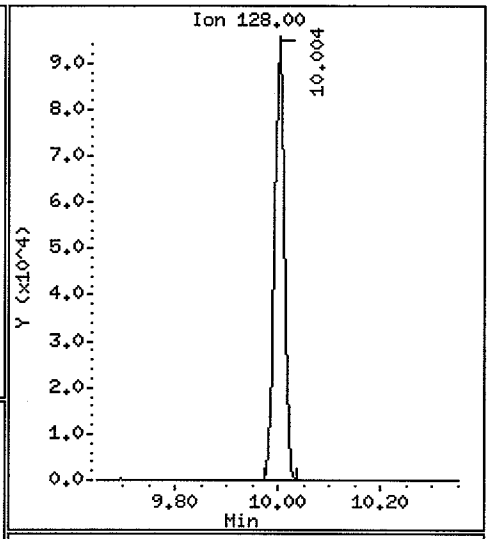
Column phase: ZB-5

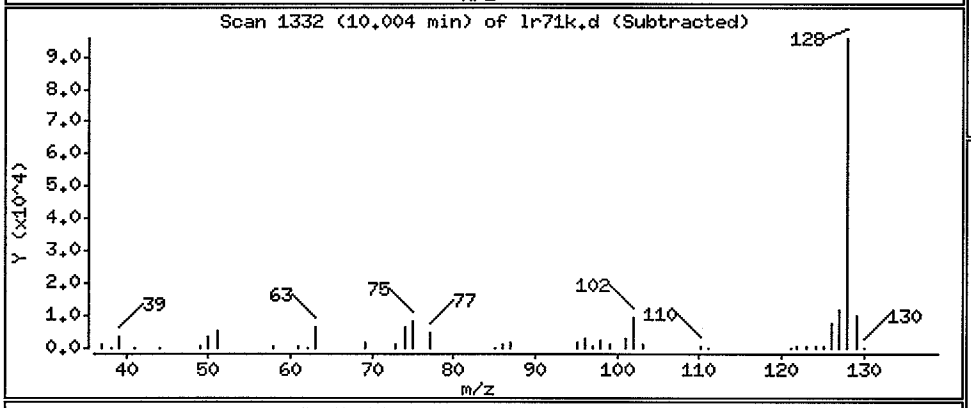
Column diameter: 0.32

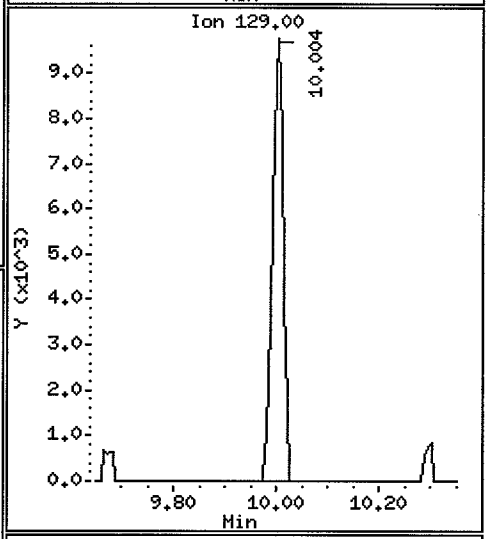
28 Naphthalene

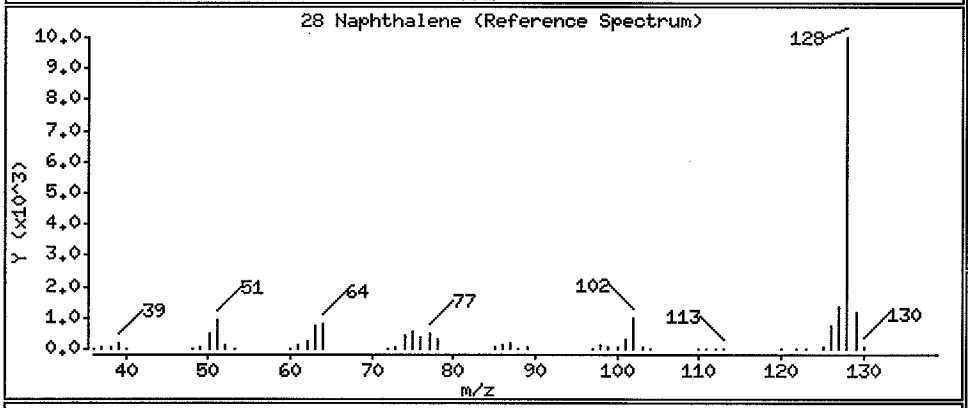
Concentration: 64.78 ug/kg

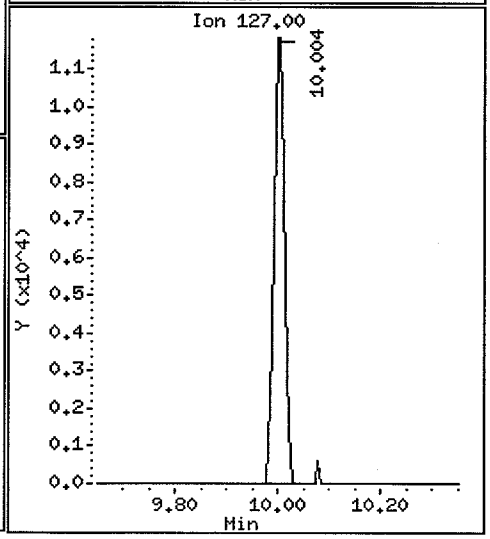


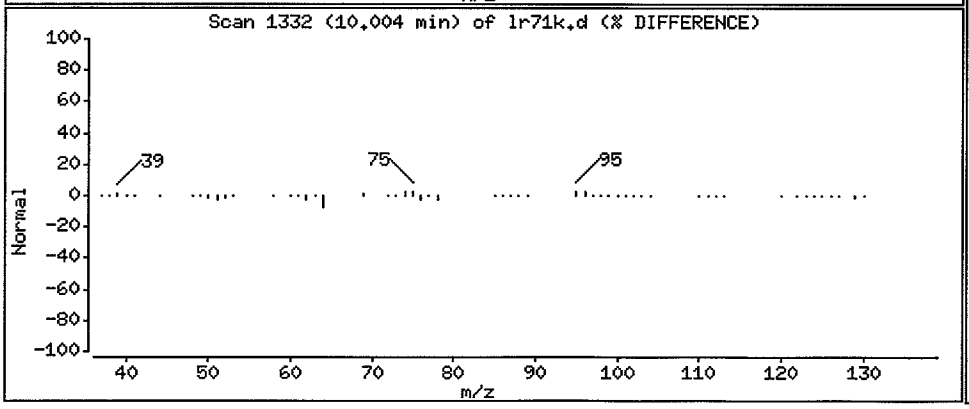












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

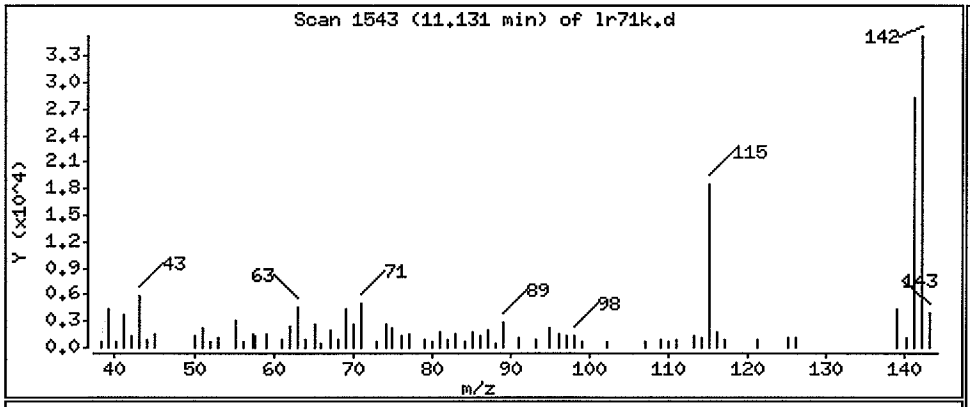
Client ID: AN-SS-08 Instrument: nt6.i

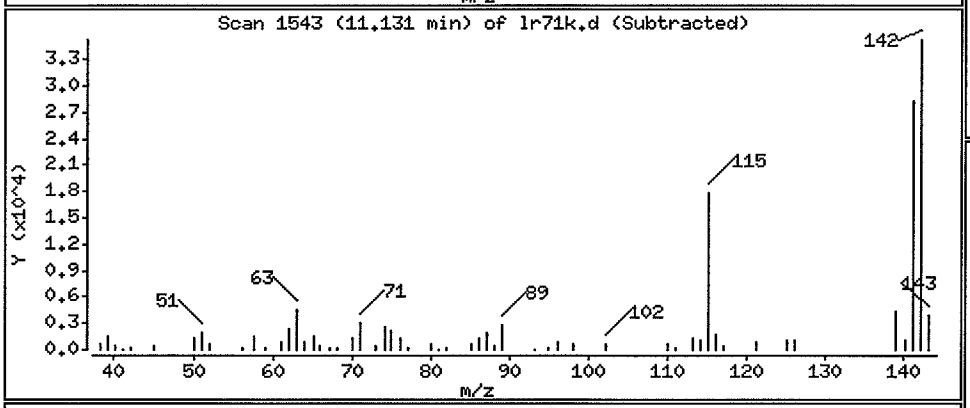
Sample Info: LR71K

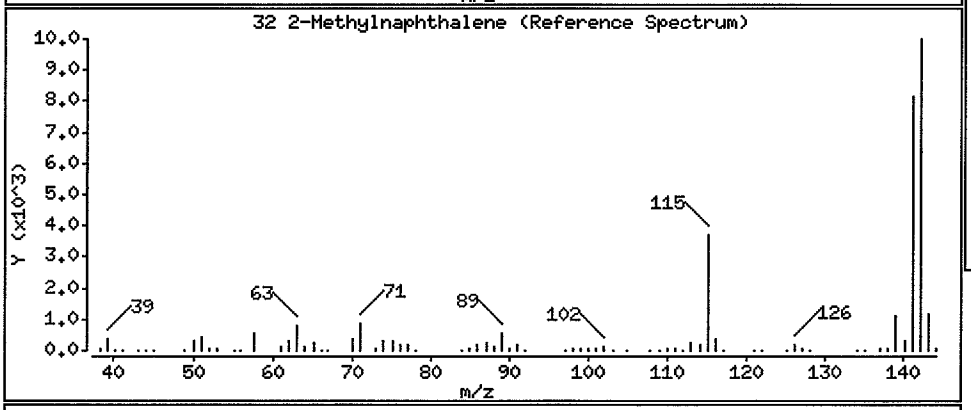
Volume Injected (uL): 1.0 Operator: LJR/VTS

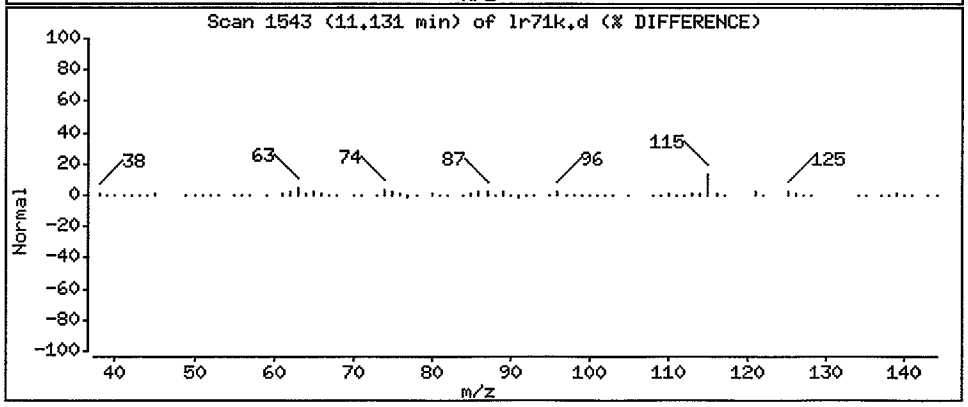
Column phase: ZB-5 Column diameter: 0.32

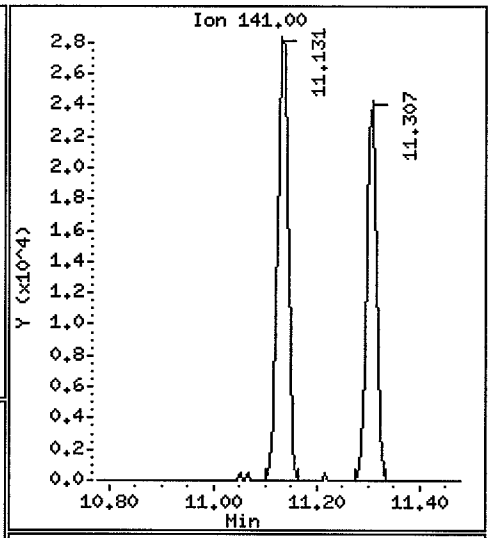
32 2-Methylnaphthalene Concentration: 41.92 ug/kg

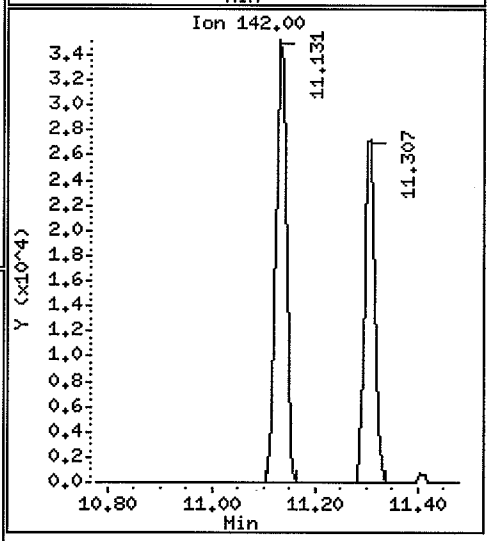












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

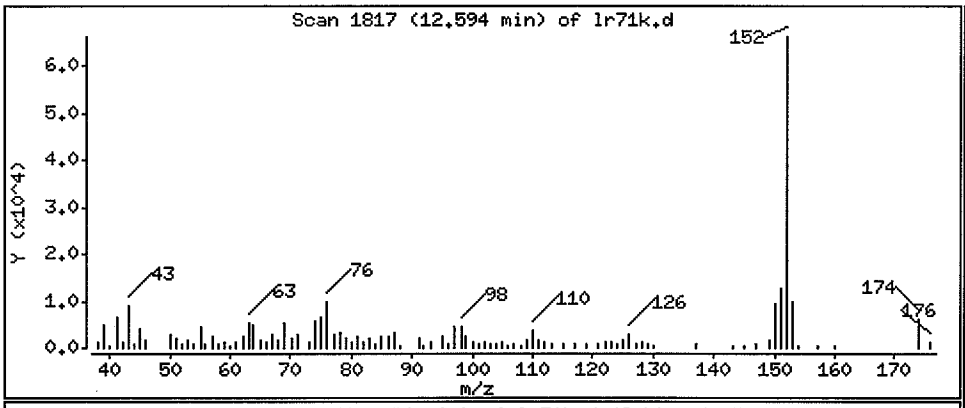
Operator: LJR/VTS

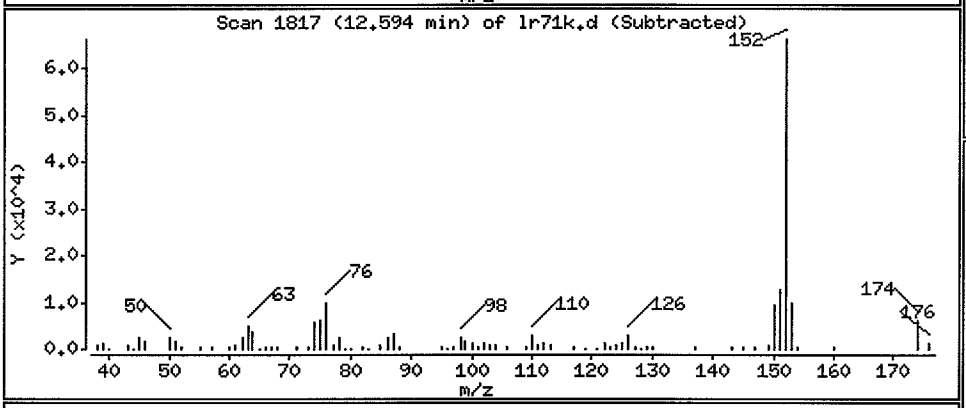
Column phase: ZB-5

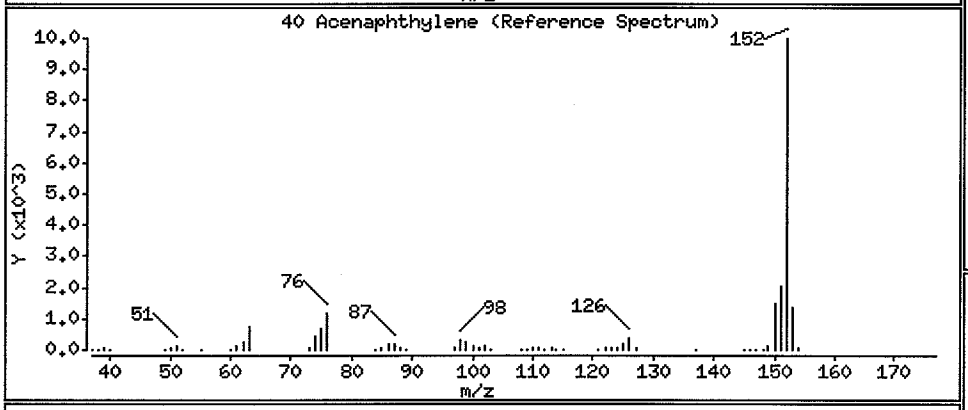
Column diameter: 0.32

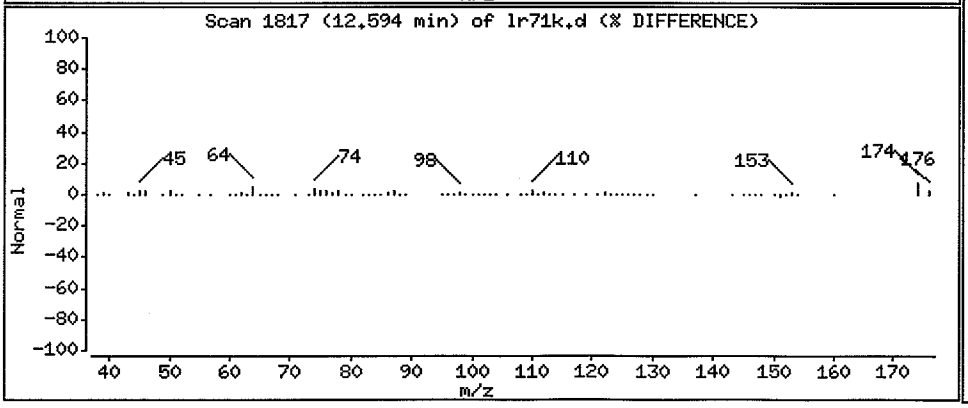
40 Acenaphthylene

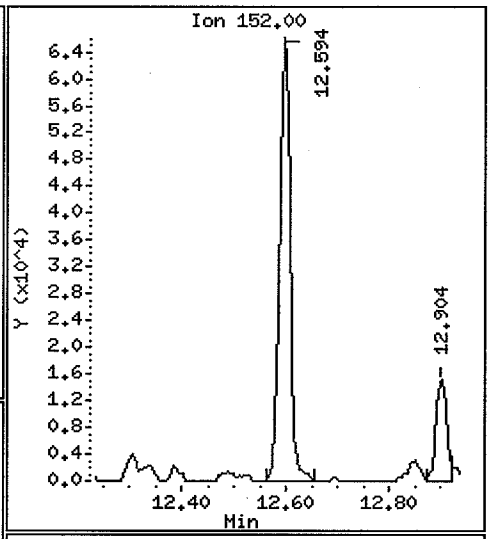
Concentration: 46.95 ug/kg

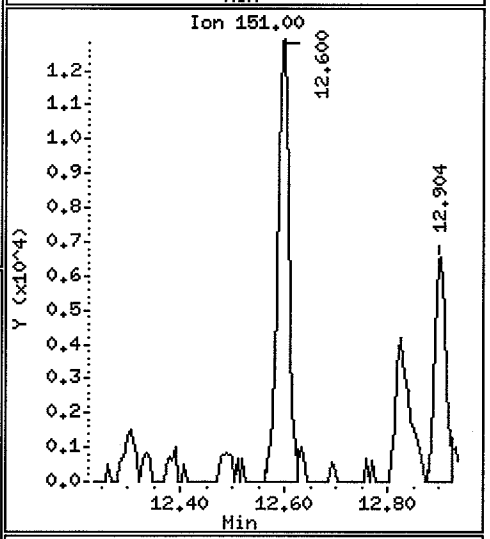


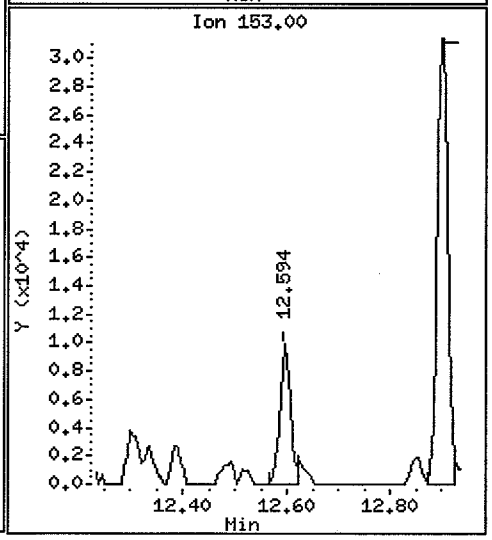












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

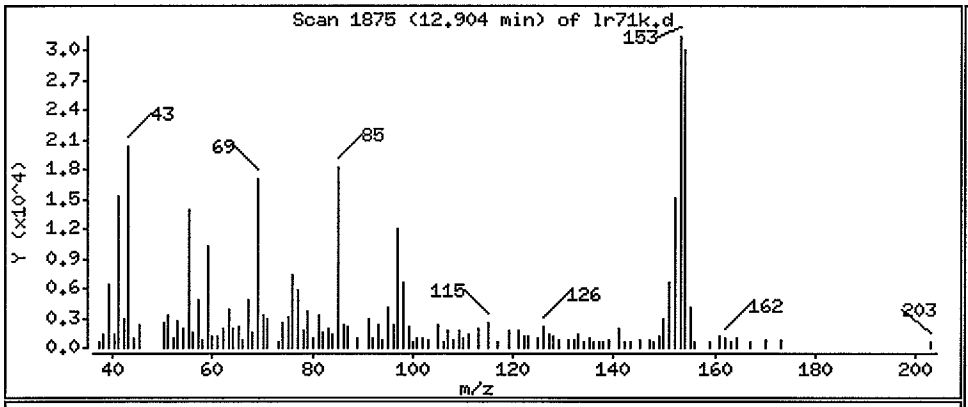
Operator: LJR/VTS

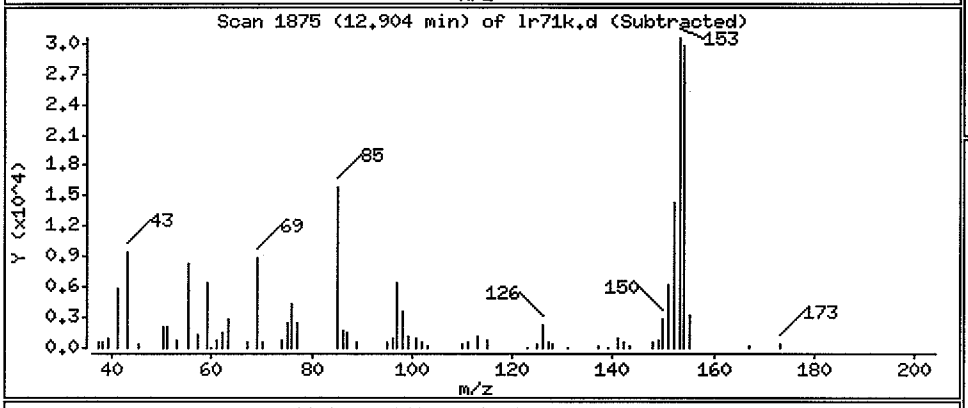
Column phase: ZB-5

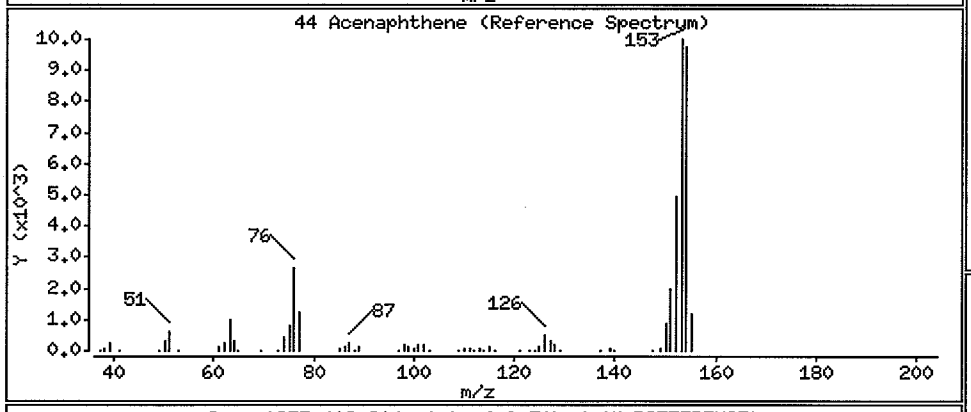
Column diameter: 0.32

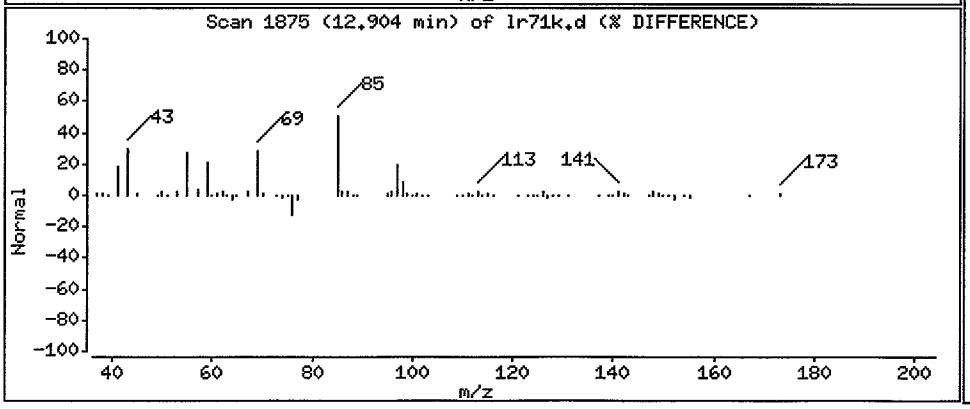
44 Acenaphthene

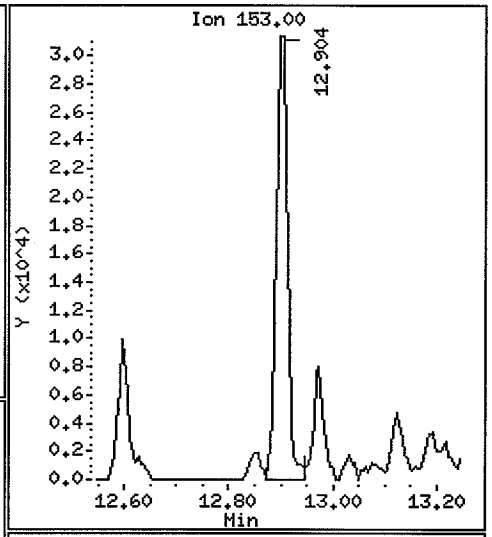
Concentration: 37.03 ug/kg

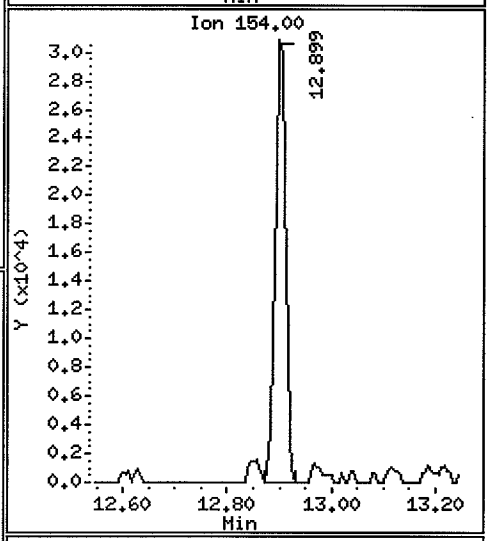


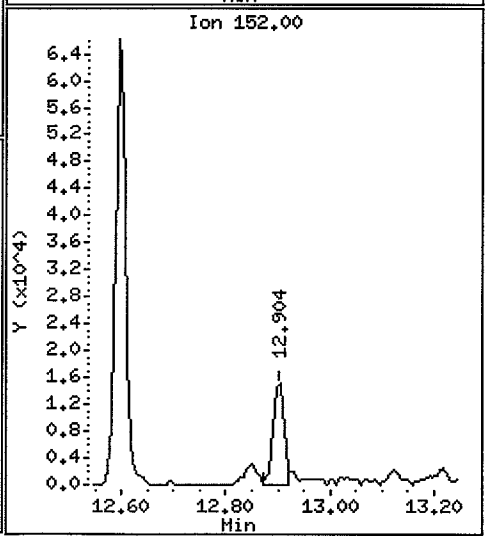












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

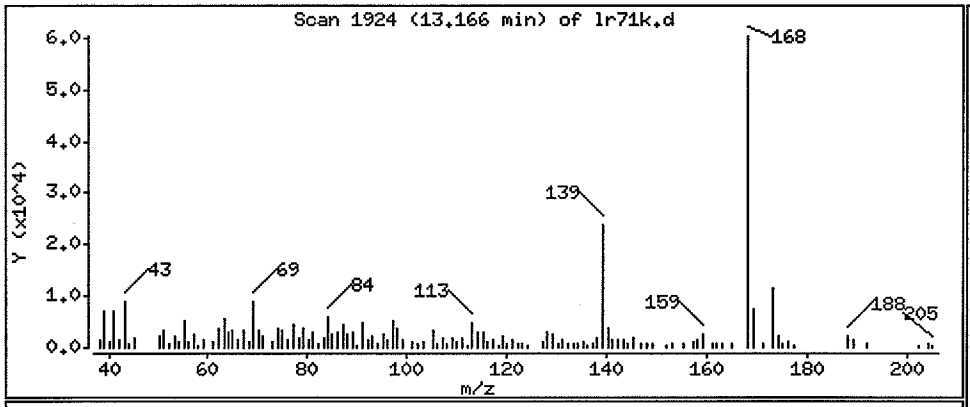
Client ID: AN-SS-08 Instrument: nt6.i

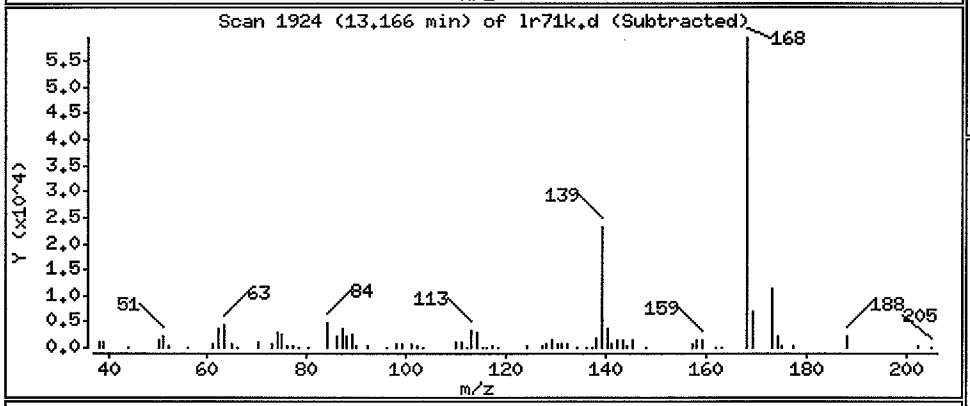
Sample Info: LR71K

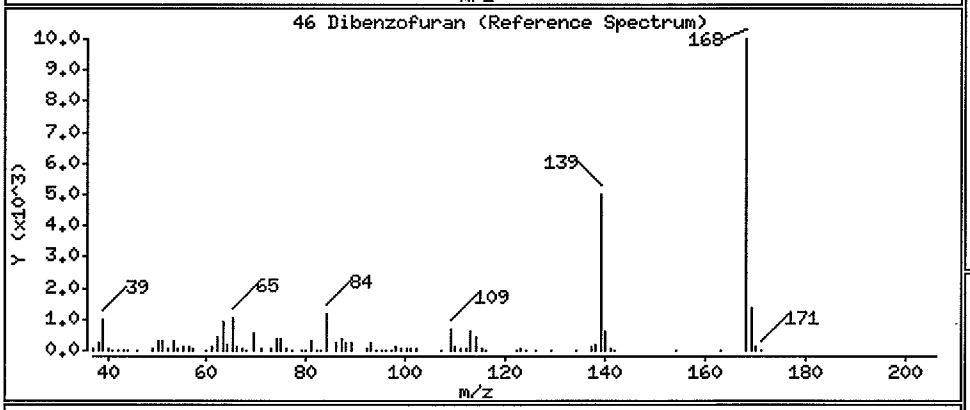
Volume Injected (uL): 1.0 Operator: LJR/VTS

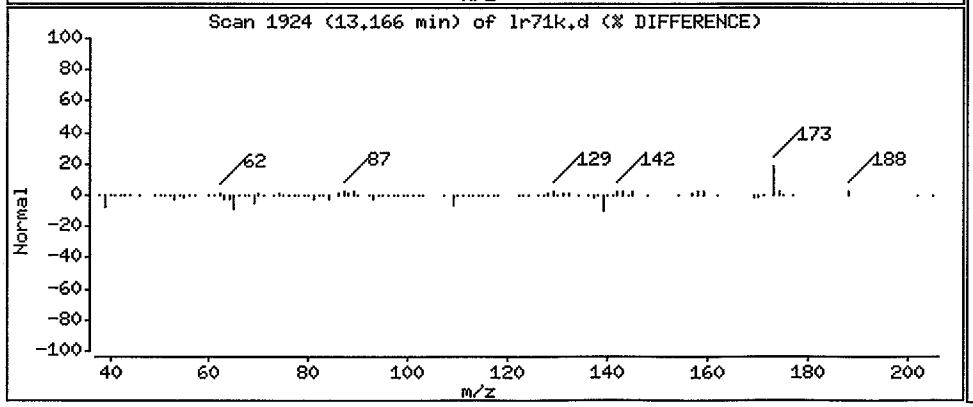
Column phase: ZB-5 Column diameter: 0.32

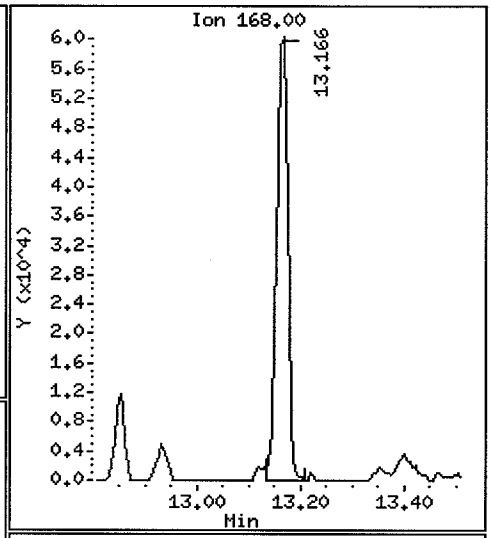
46 Dibenzofuran Concentration: 51.18 ug/kg

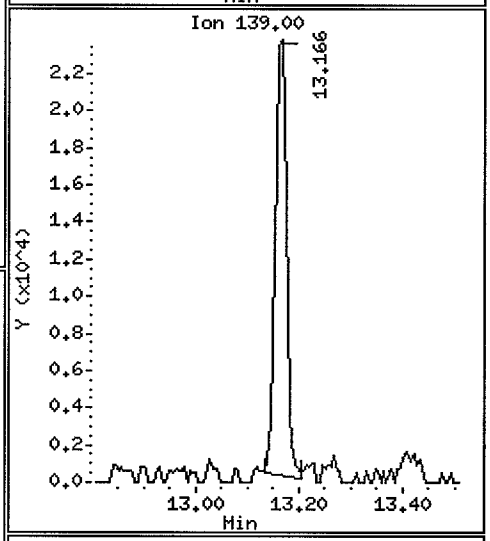


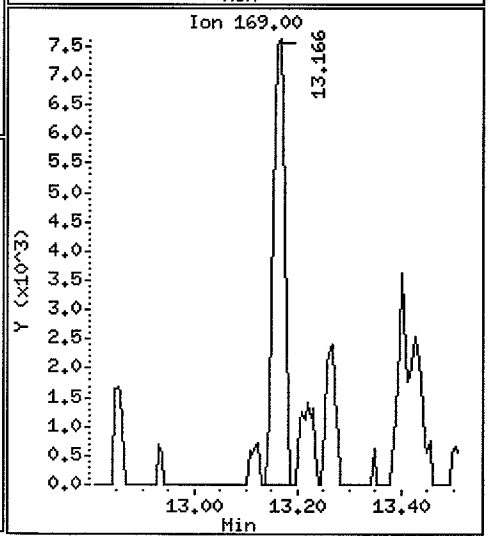












Data File: /chem1/nt6.i/20071018.b/lr71k.d

Date : 18-OCT-2007 20:51

Client ID: AN-SS-08

Instrument: nt6.i

Sample Info: LR71K

Volume Injected (uL): 1.0

Operator: LJR/VTS

Column phase: ZB-5

Column diameter: 0.32

49 Fluorene

Concentration: 85.14 ug/kg

