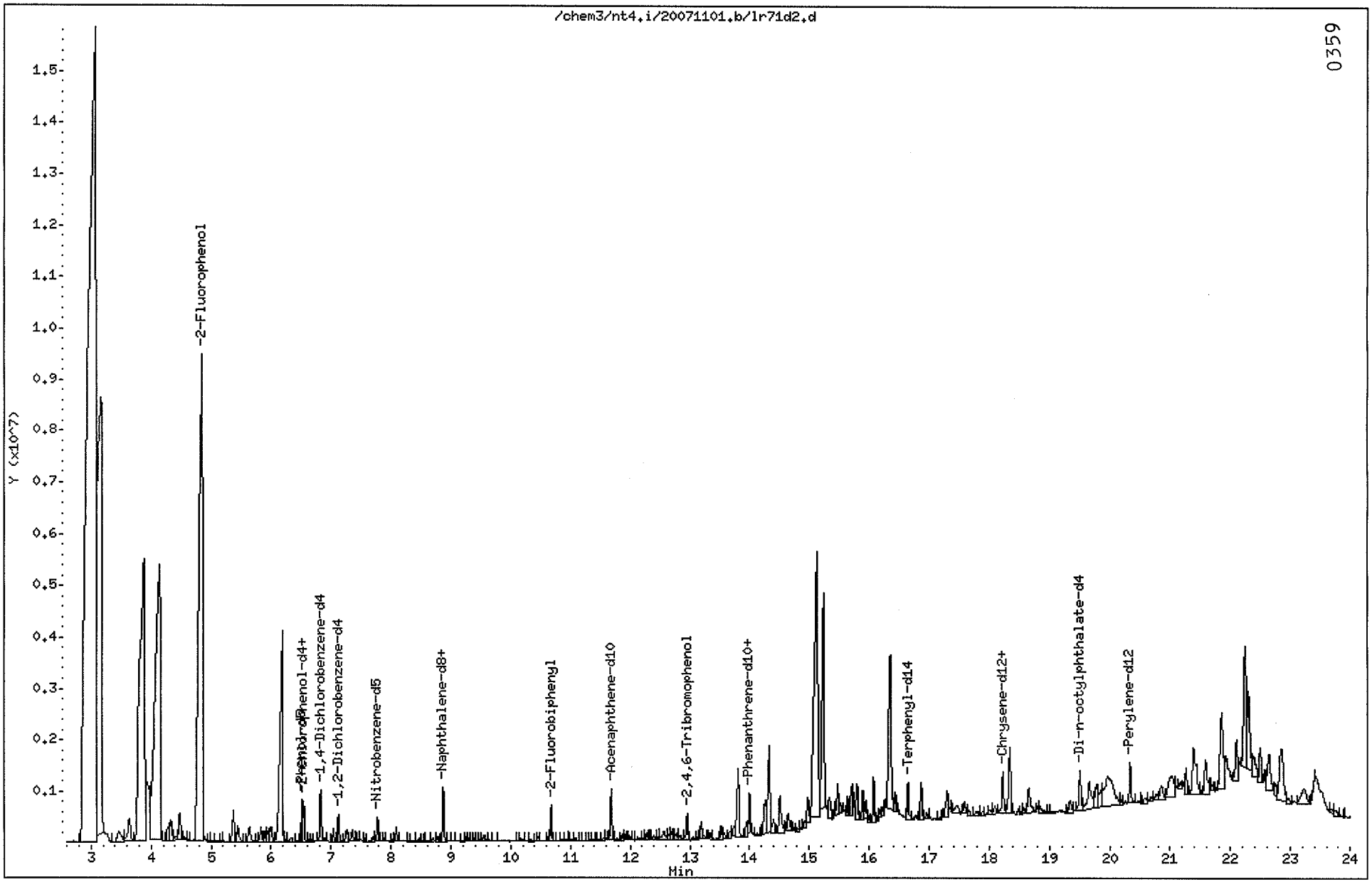
Data File: /chem3/nt4.i/20071101.b/lr71d2.d
Date : 01-NOV-2007 18:13
Client ID:
Sample Info: LR71DRE
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt4.i
Operator: VTS
Column diameter: 0.32



Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

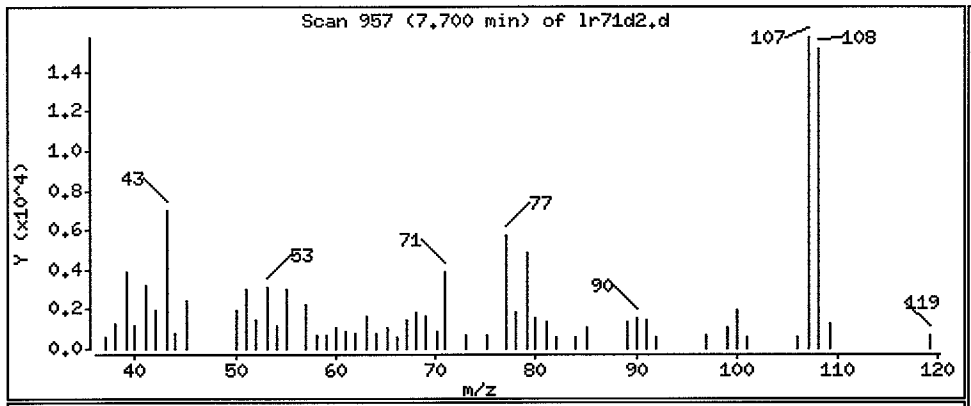
Operator: VTS

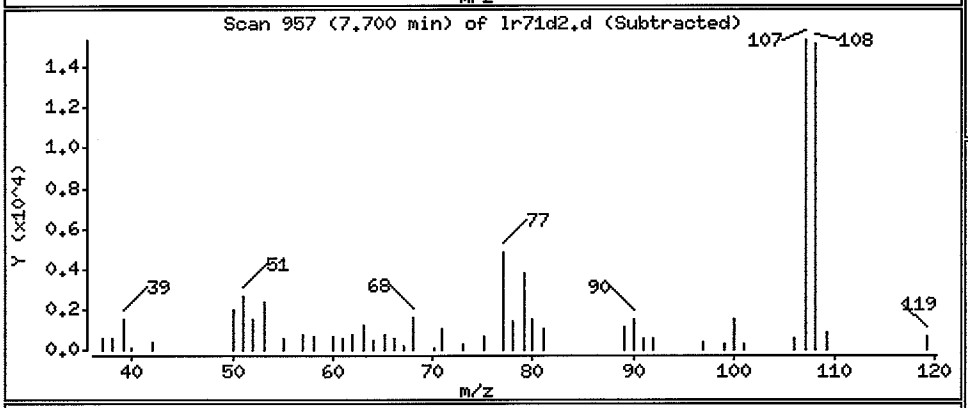
Column phase: ZB-5

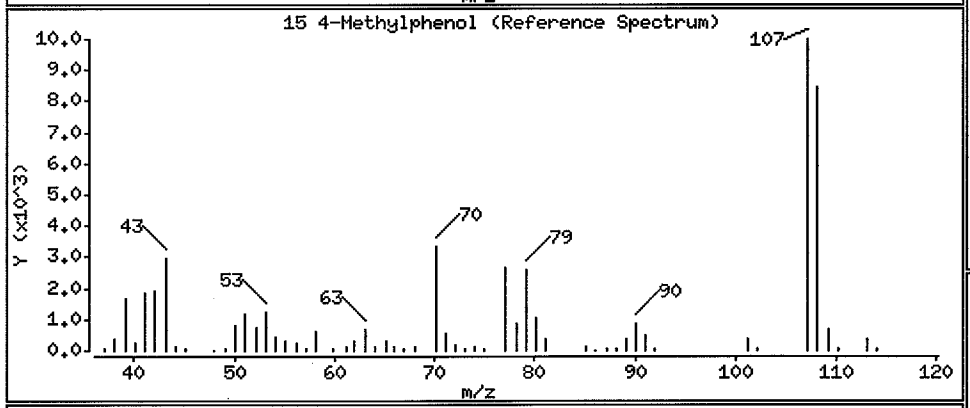
Column diameter: 0.32

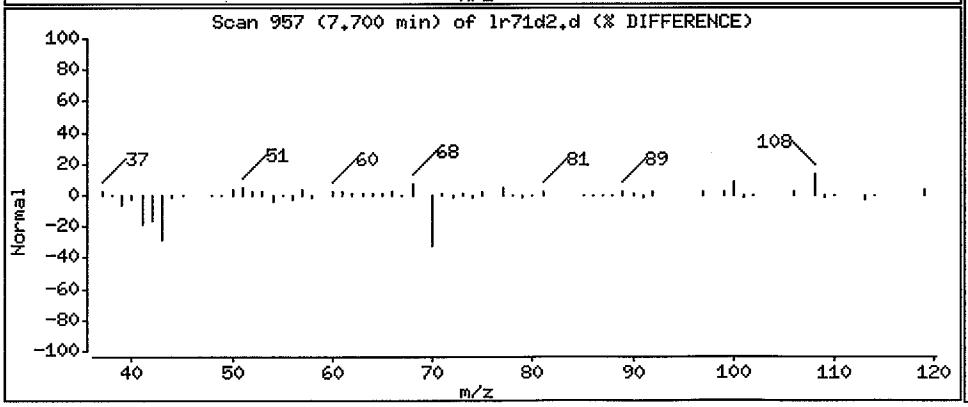
15 4-Methylphenol

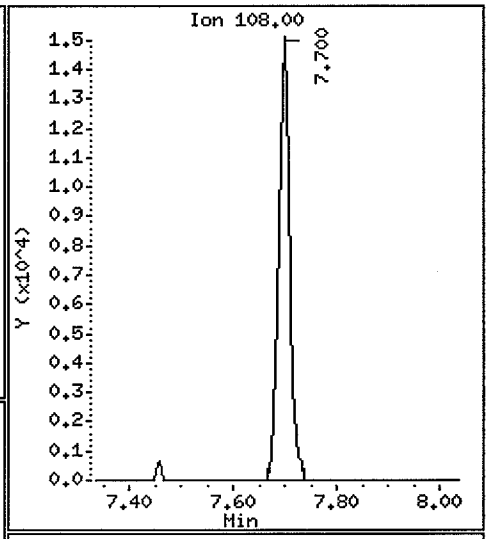
Concentration: 34.06 ug/Kg

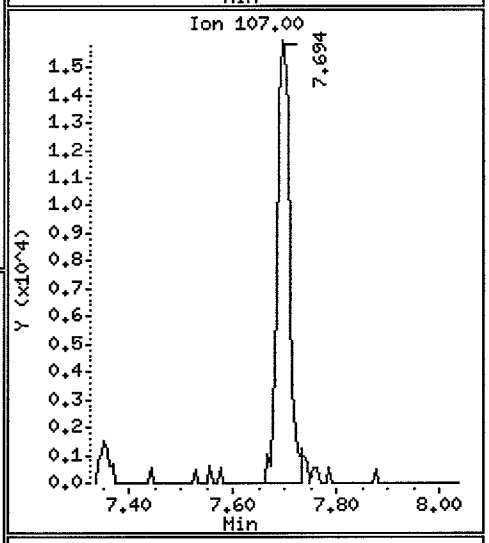


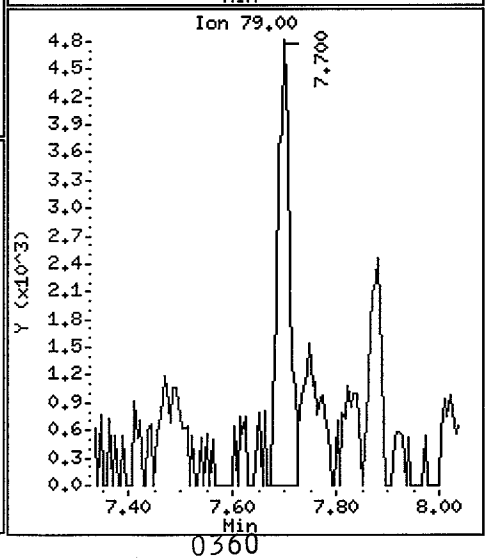












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

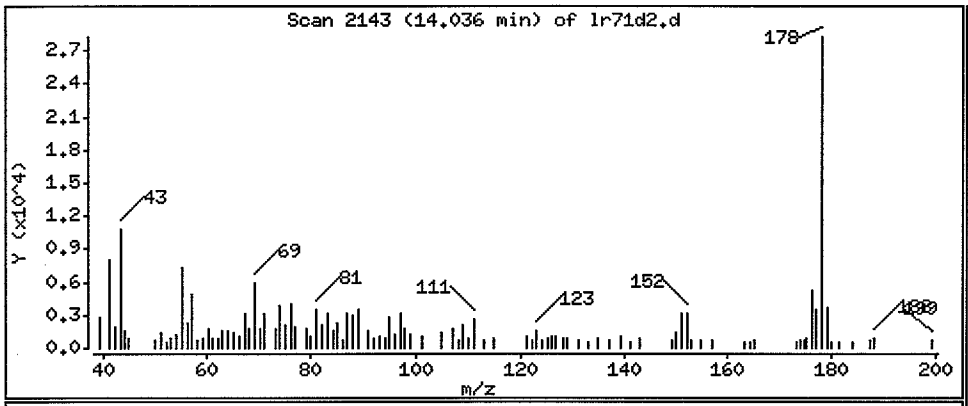
Operator: VTS

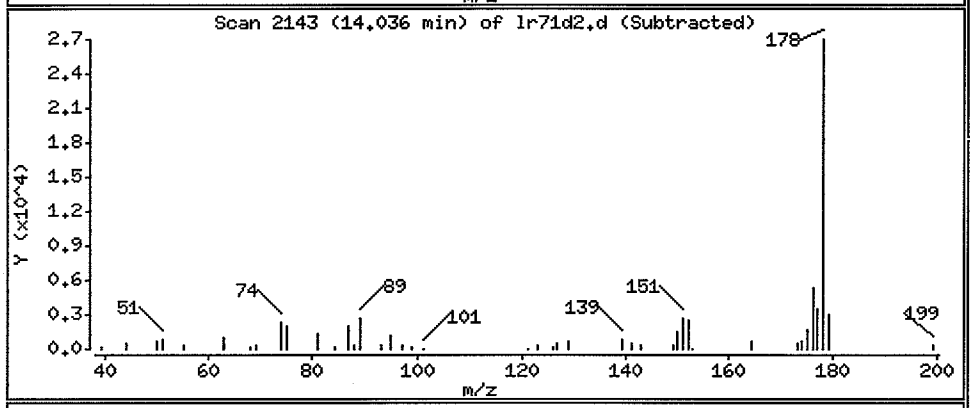
Column phase: ZB-5

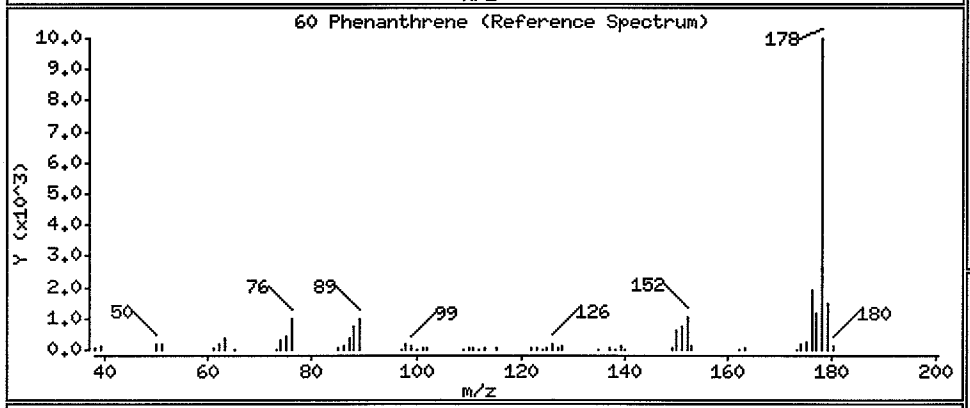
Column diameter: 0.32

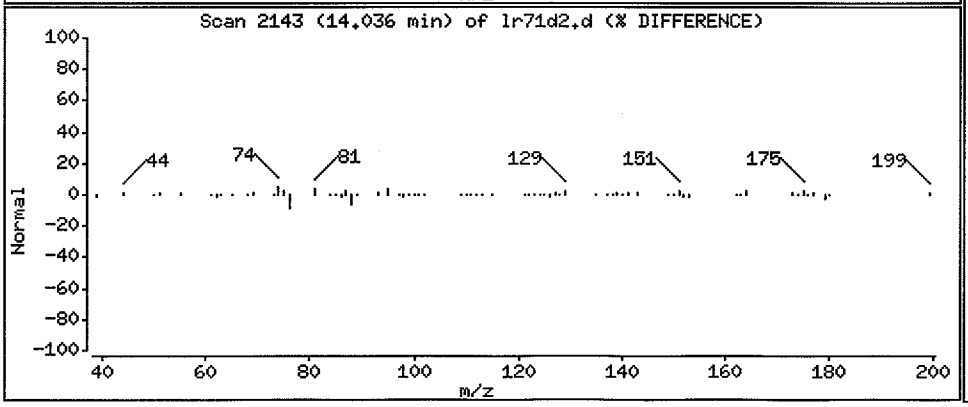
60 Phenanthrene

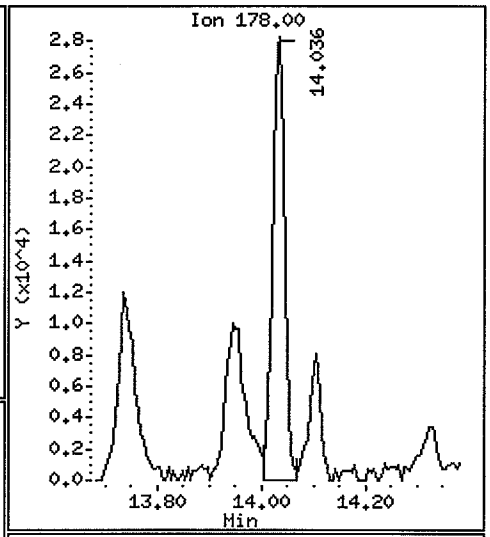
Concentration: 28.56 ug/Kg

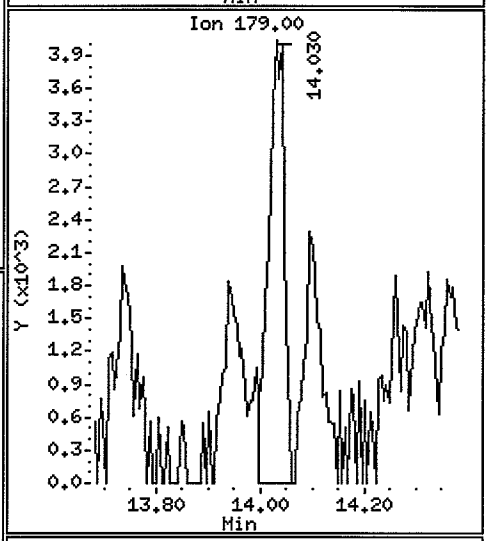


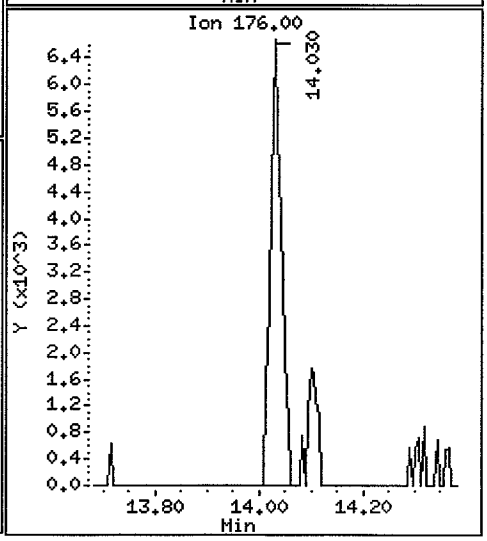












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

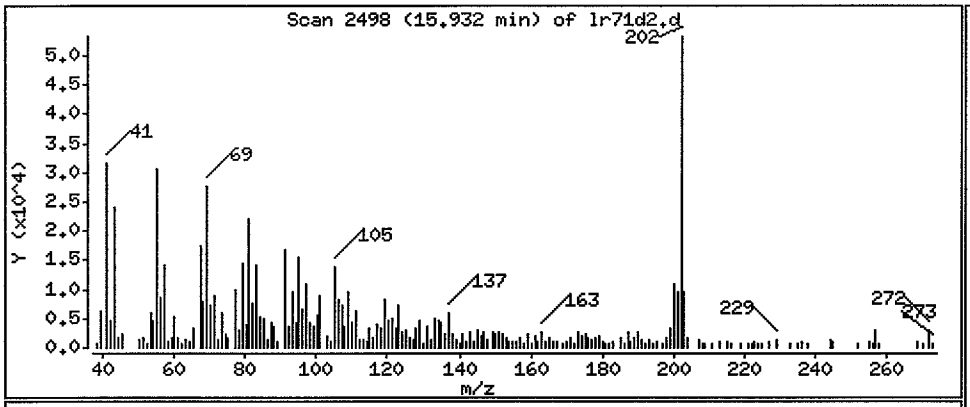
Operator: VTS

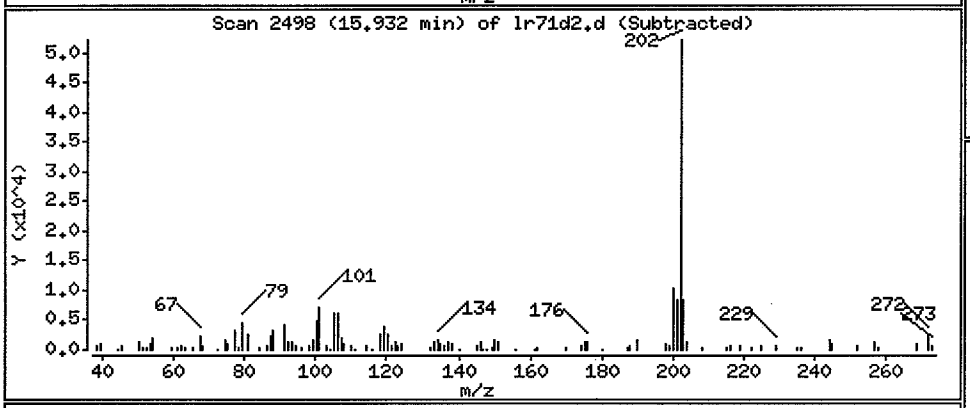
Column phase: ZB-5

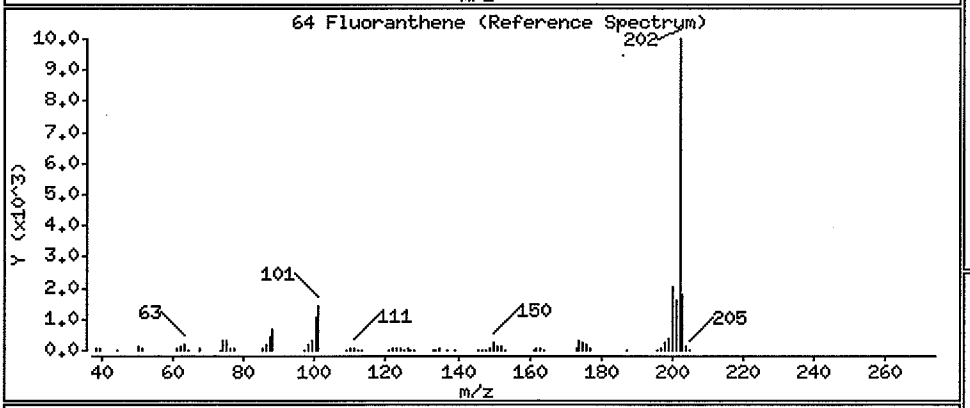
Column diameter: 0.32

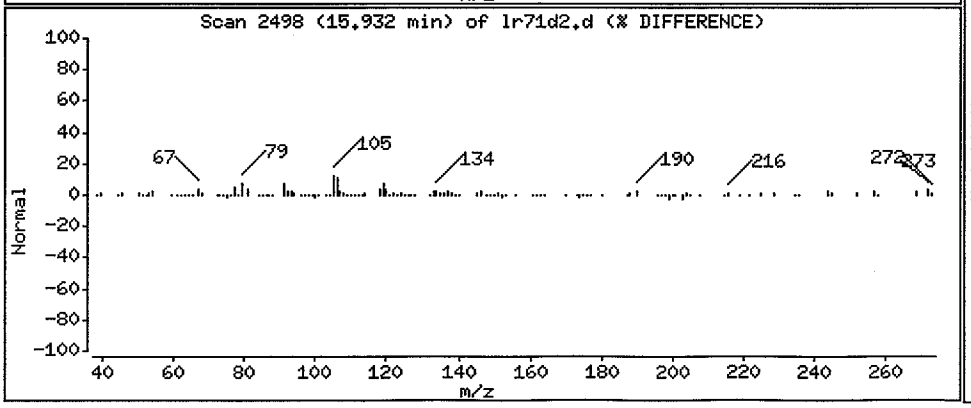
64 Fluoranthene

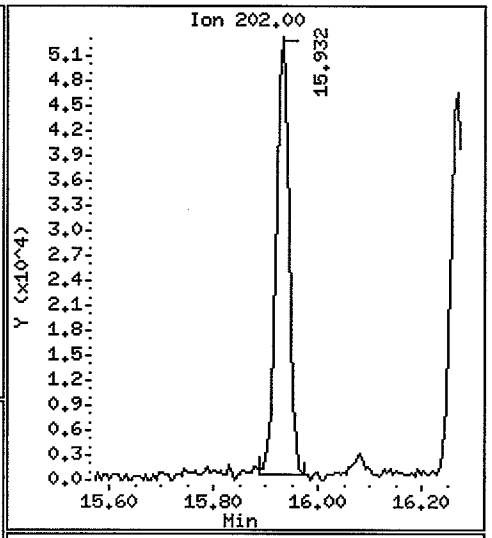
Concentration: 51.94 ug/Kg

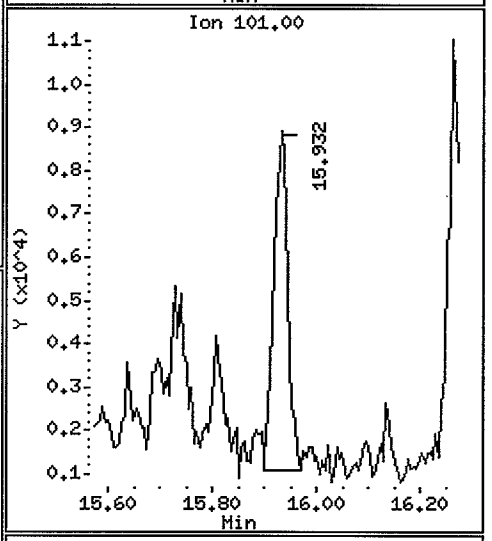


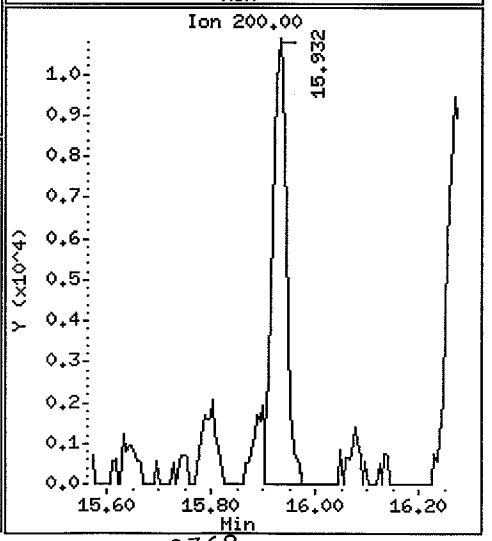












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

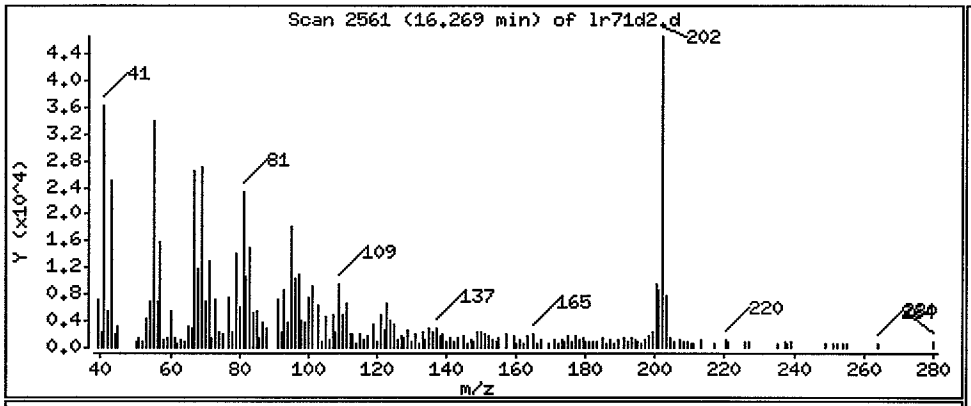
Operator: VTS

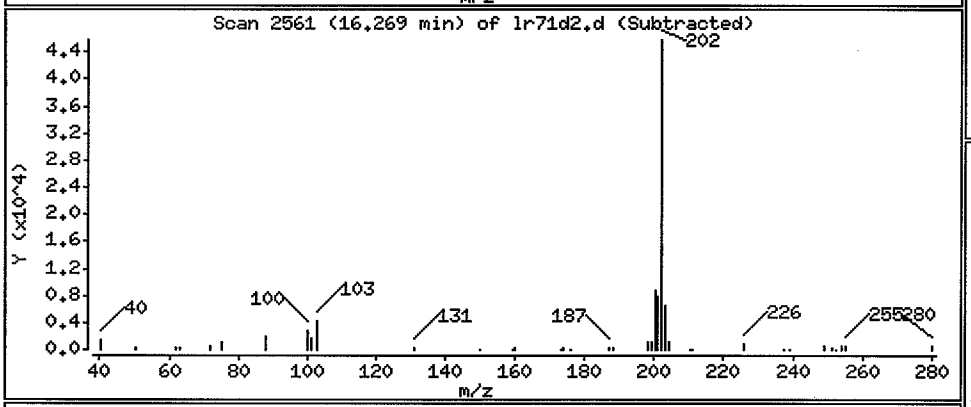
Column phase: ZB-5

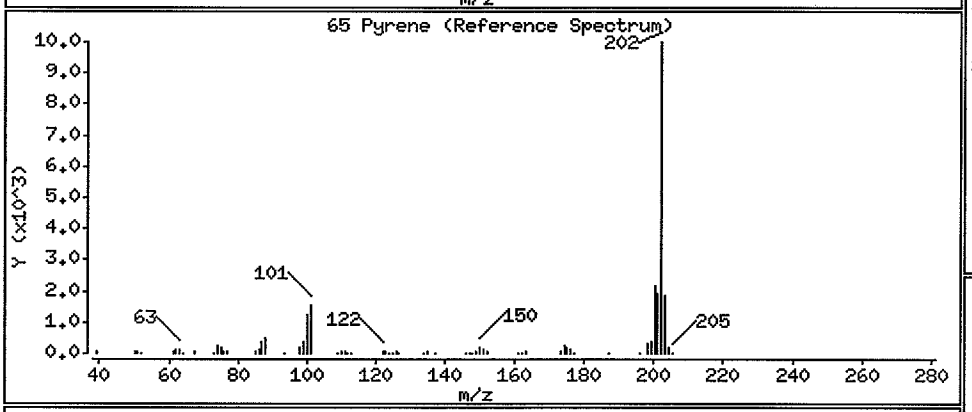
Column diameter: 0.32

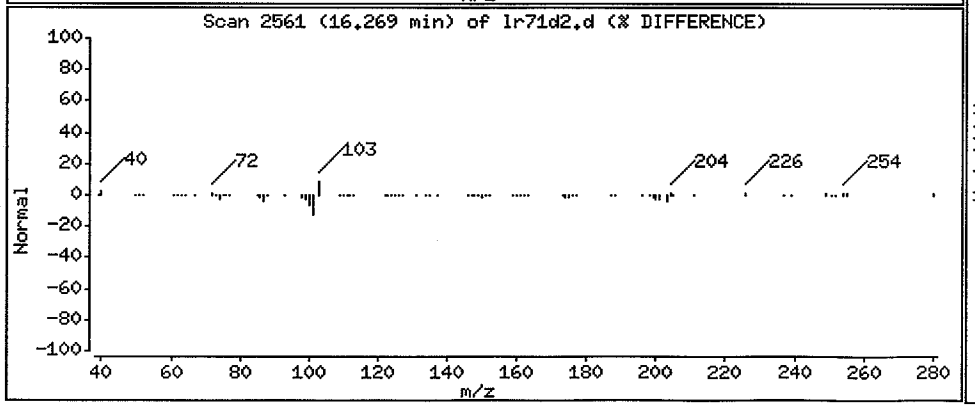
65 Pyrene

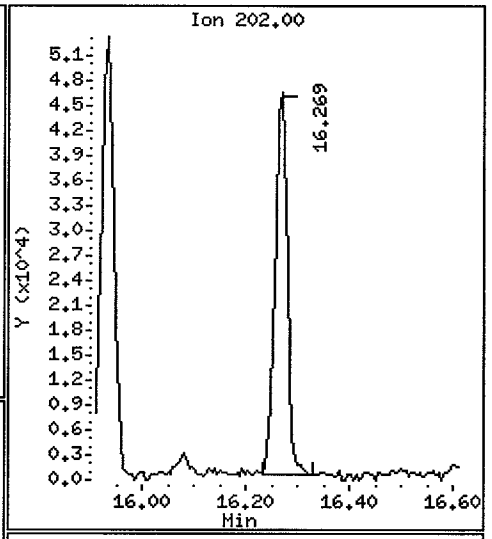
Concentration: 41.67 ug/Kg

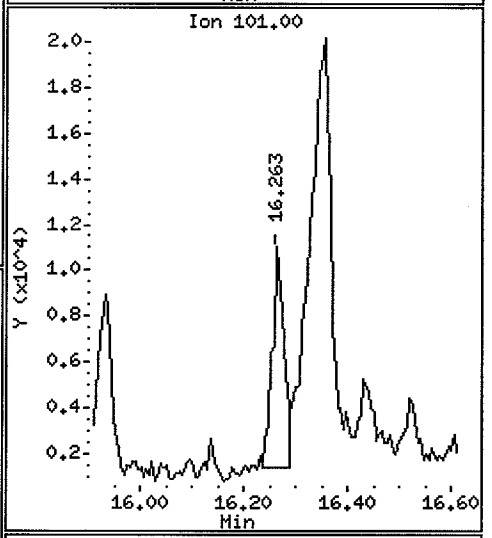


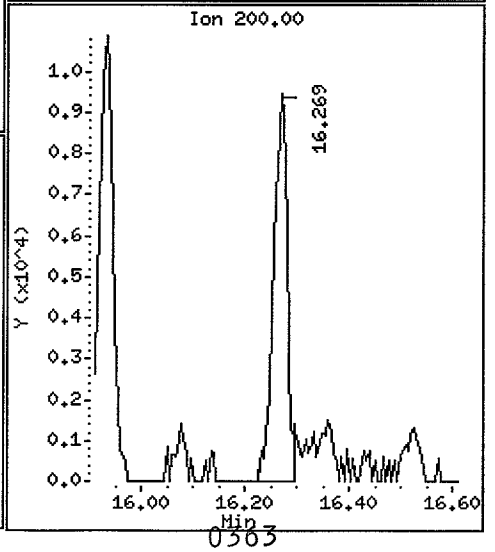












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

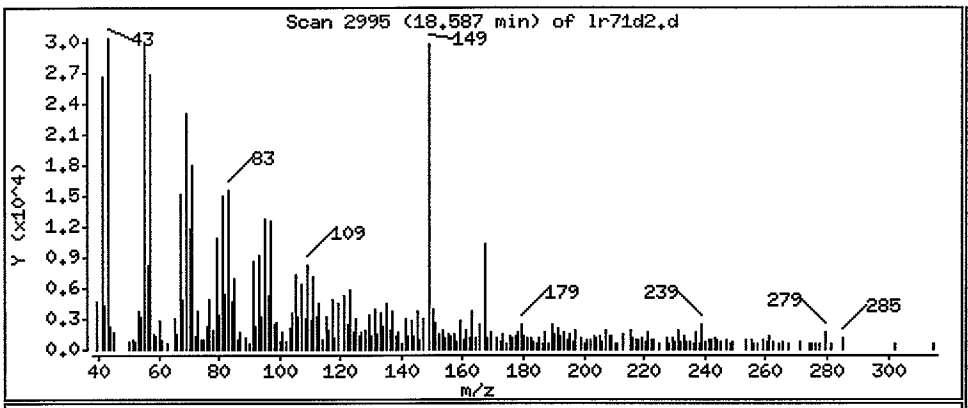
Operator: VTS

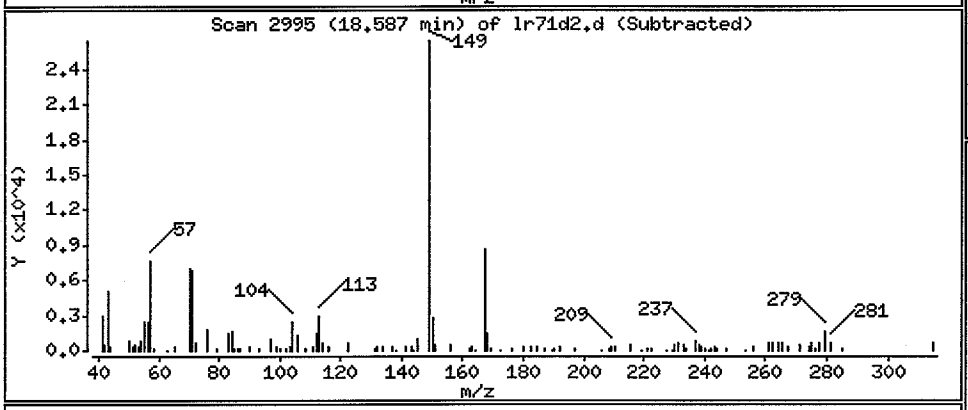
Column phase: ZB-5

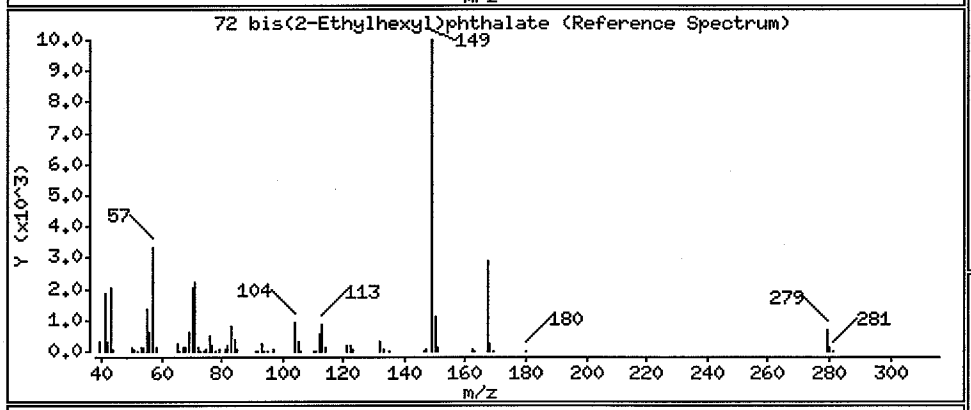
Column diameter: 0.32

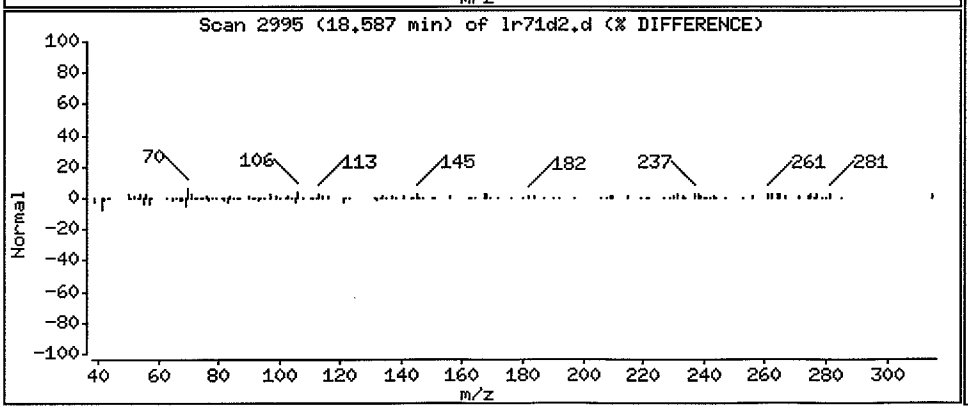
72 bis(2-Ethylhexyl)phthalate

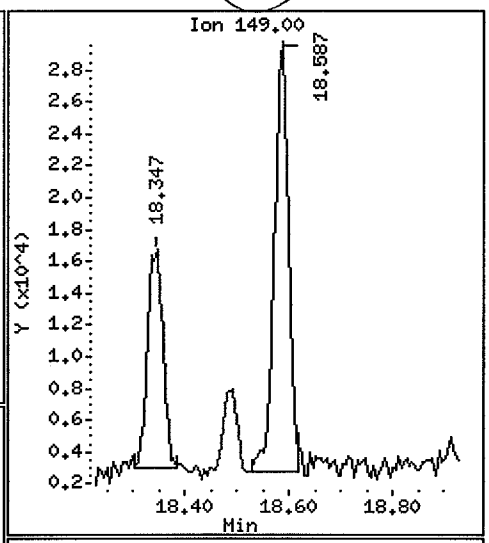
Concentration: 50.90 ug/Kg

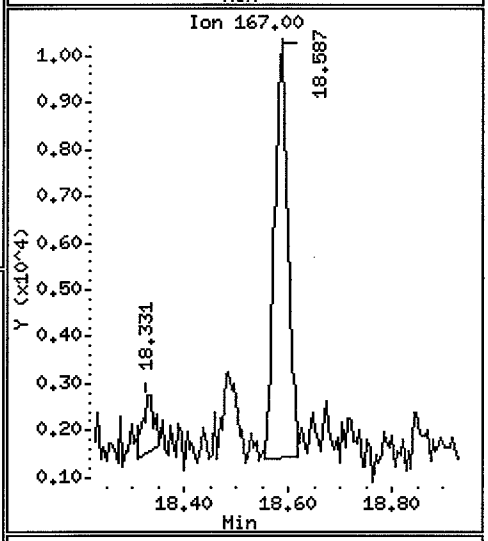


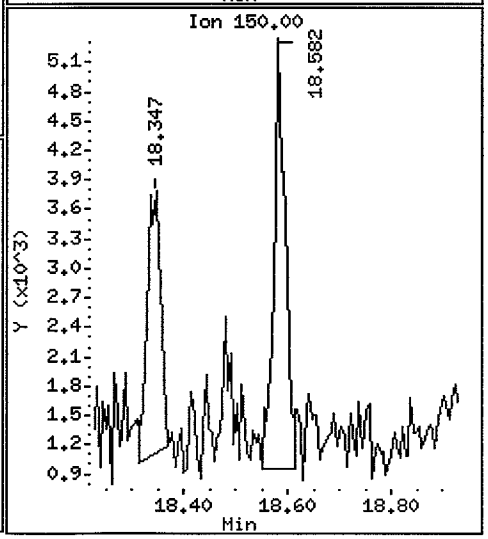












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

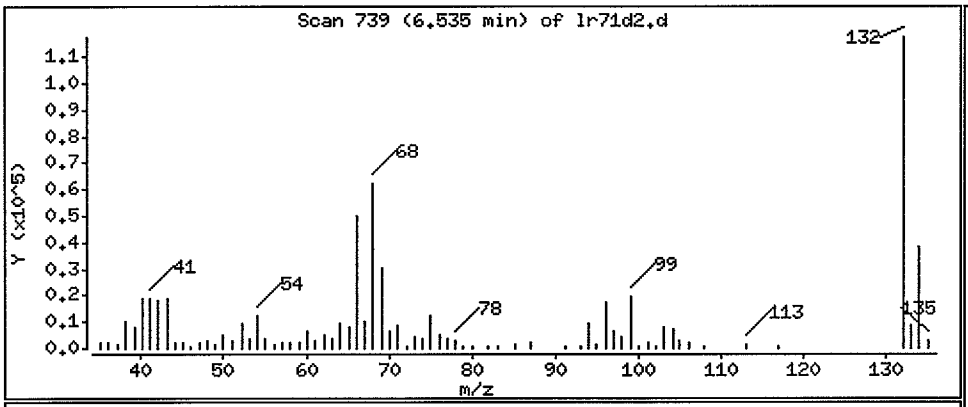
Operator: VTS

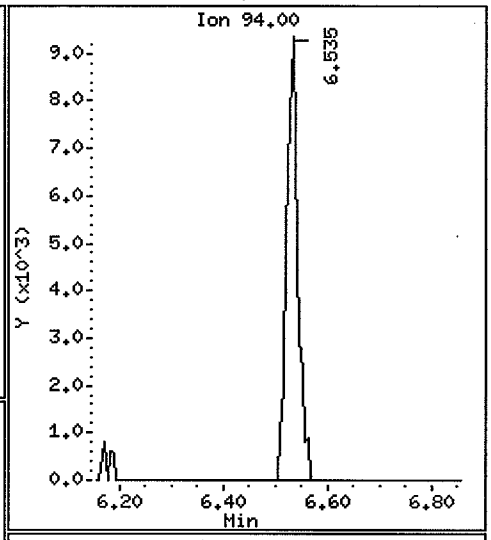
Column phase: ZB-5

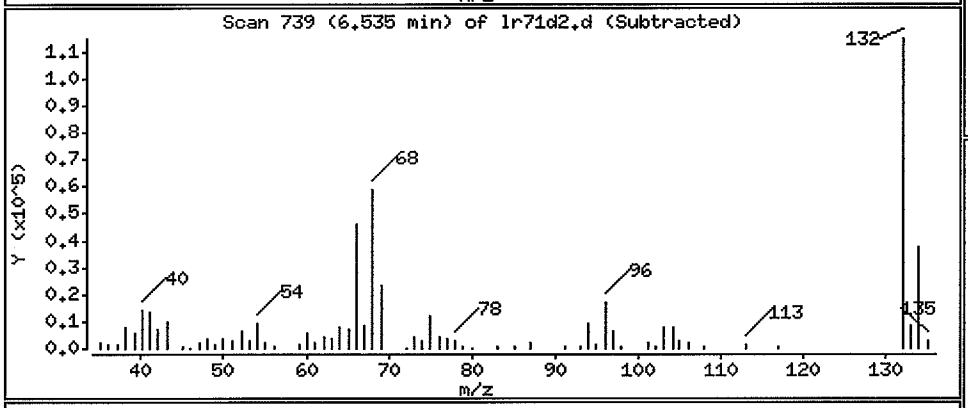
Column diameter: 0.32

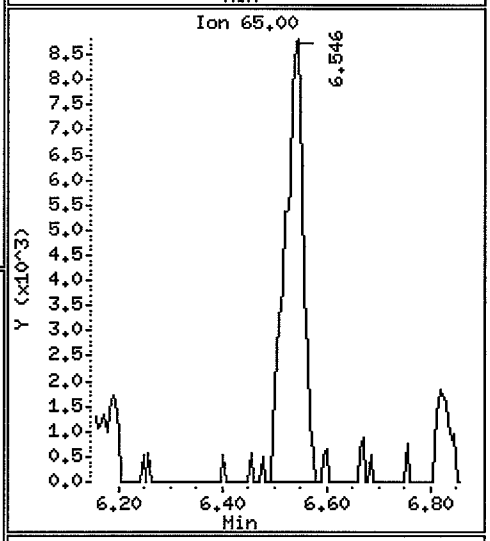
3 Phenol

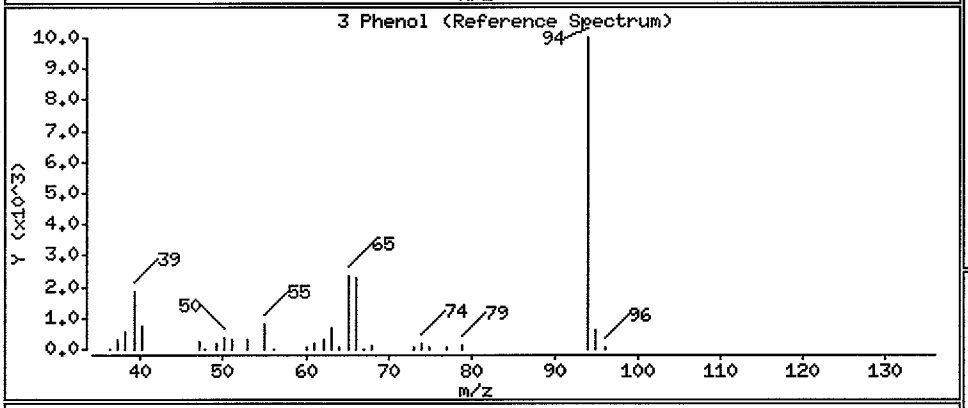
Concentration: 15.12 ug/Kg

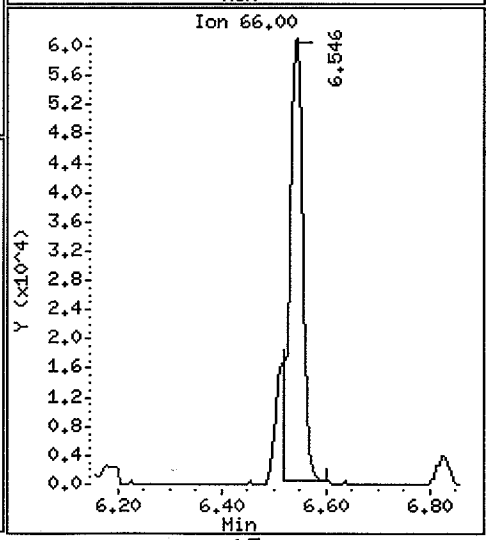


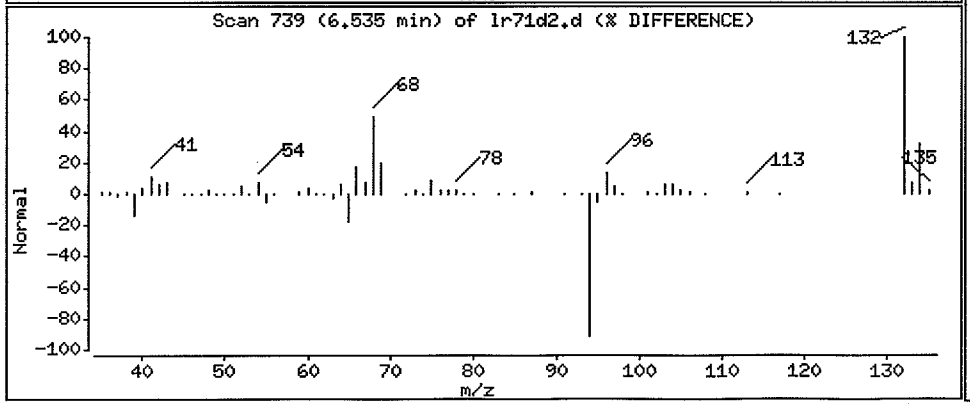












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

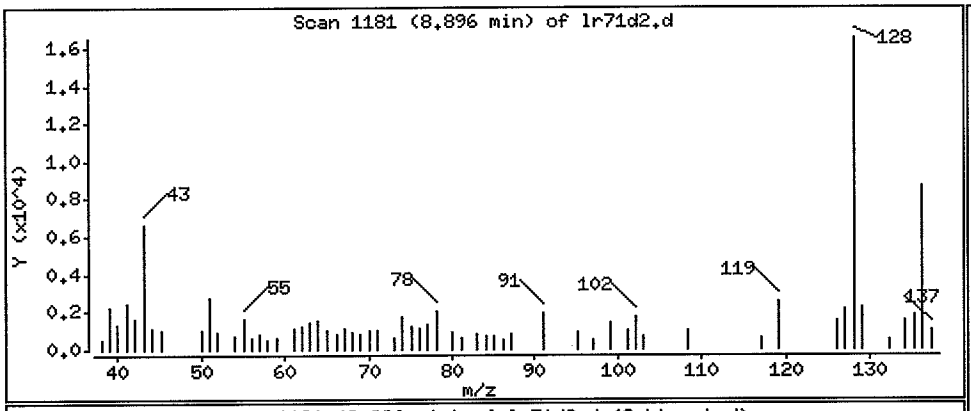
Operator: VTS

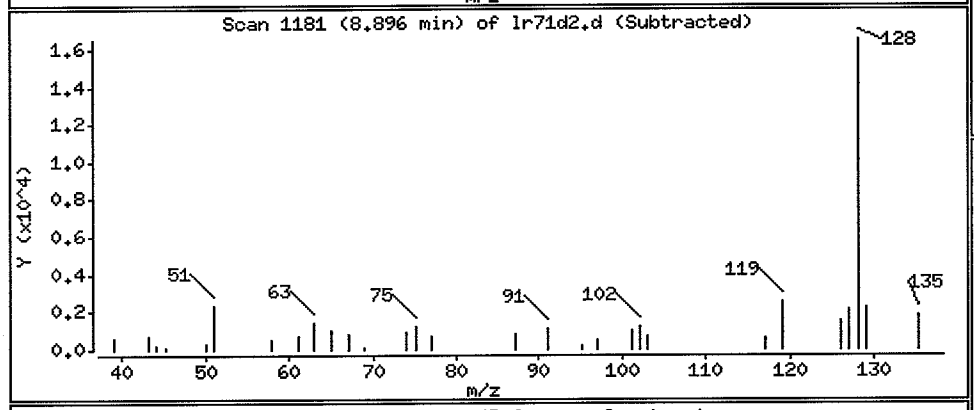
Column phase: ZB-5

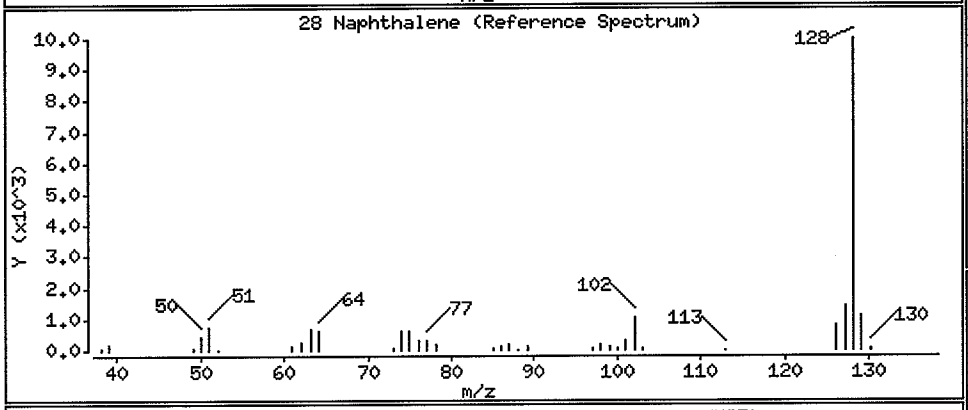
Column diameter: 0.32

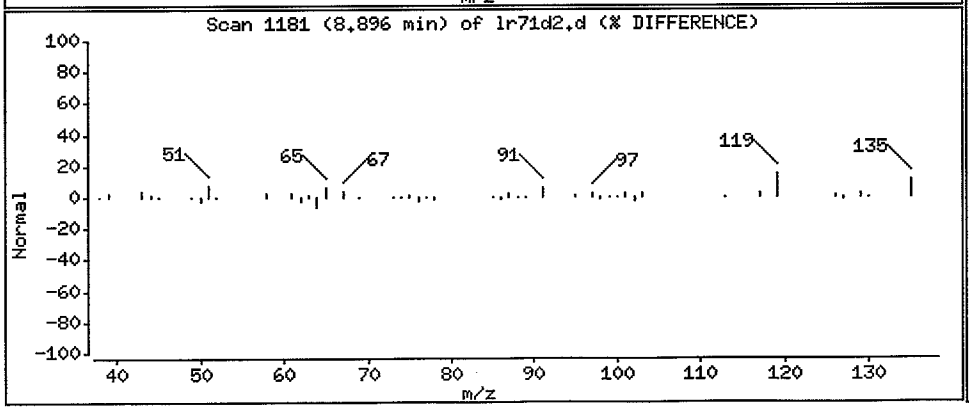
28 Naphthalene

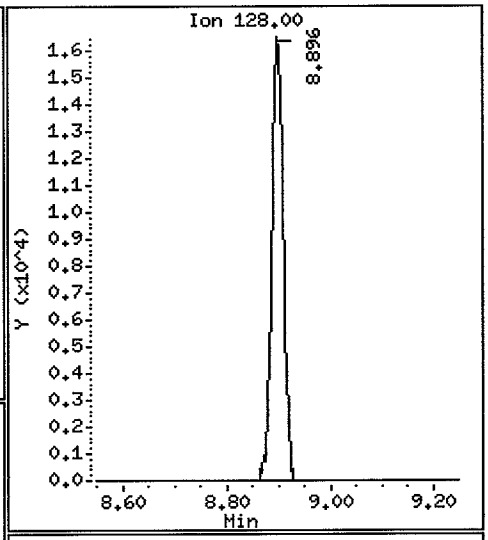
Concentration: 12.58 ug/Kg

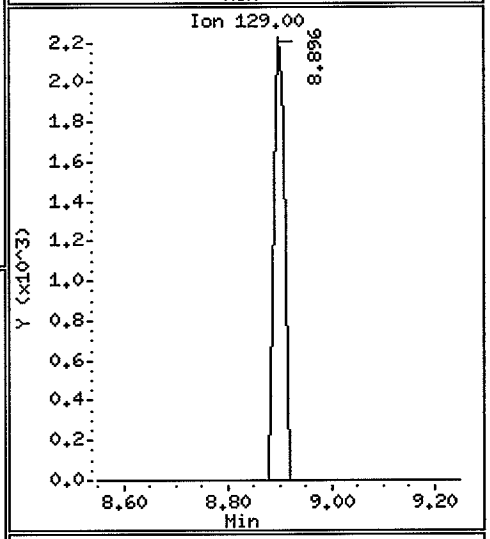


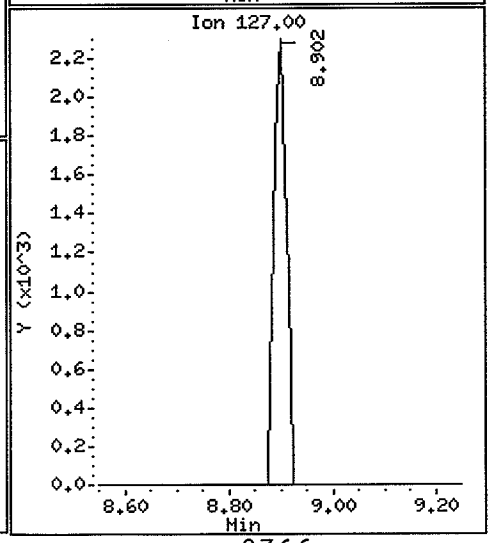












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

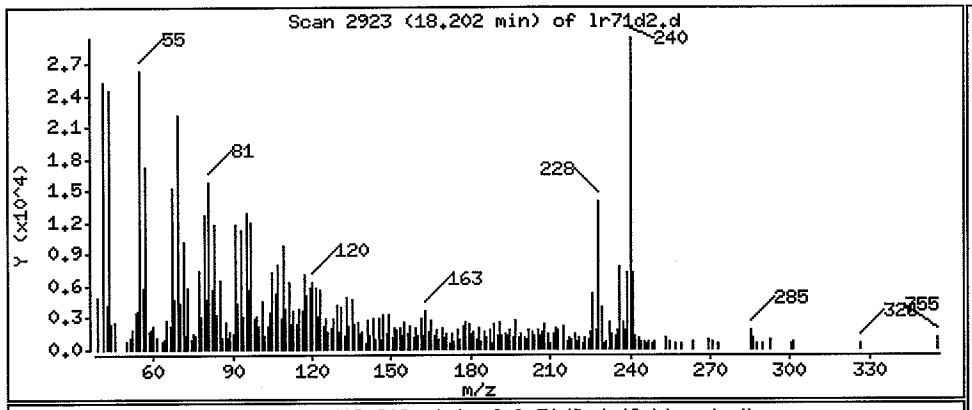
Operator: VTS

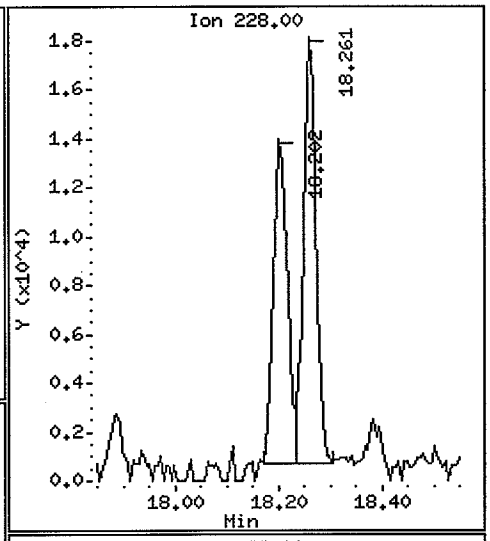
Column phase: ZB-5

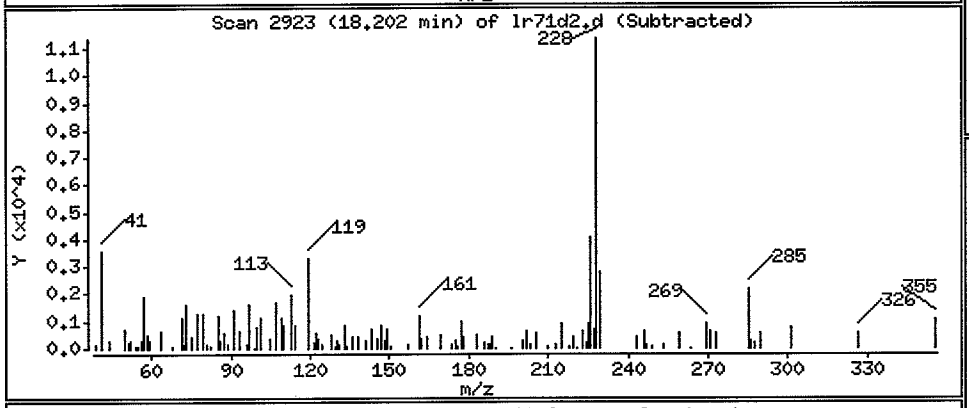
Column diameter: 0.32

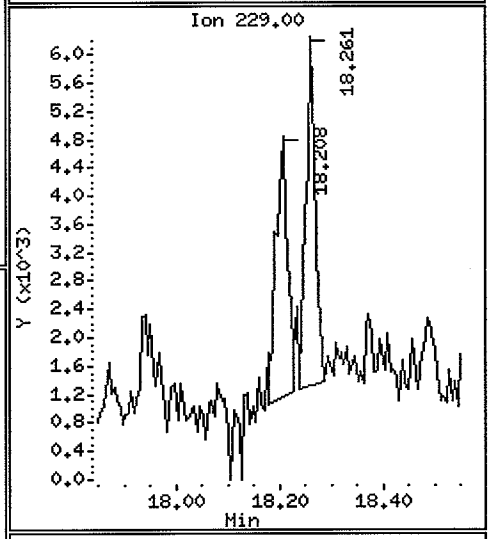
68 Benzo(a)anthracene

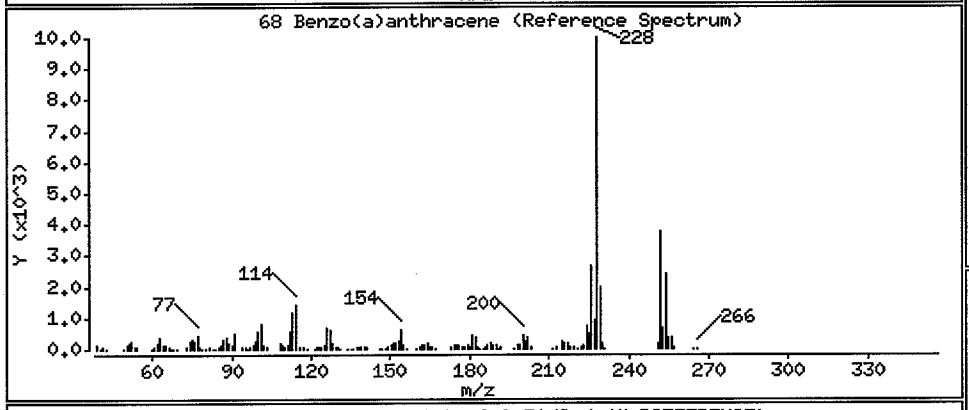
Concentration: 15.02 ug/Kg

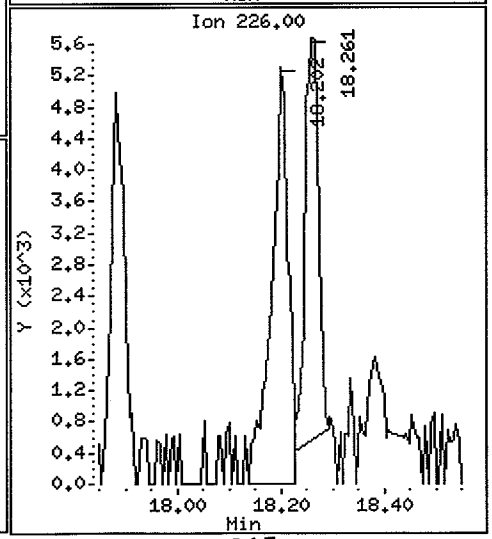


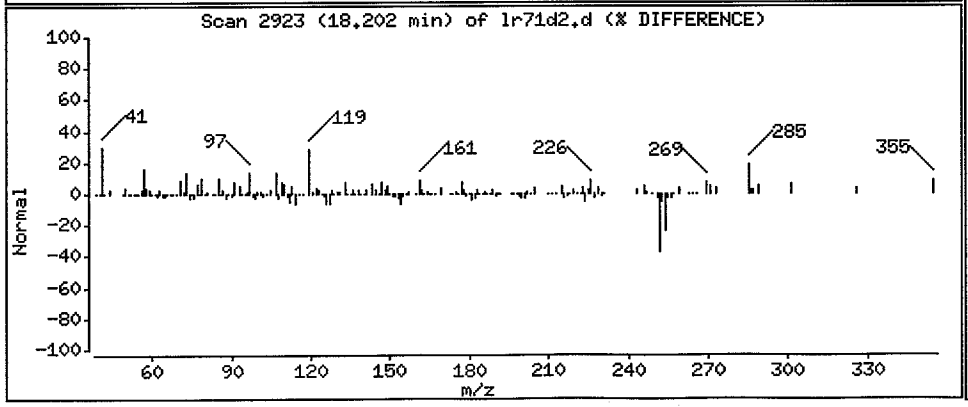












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

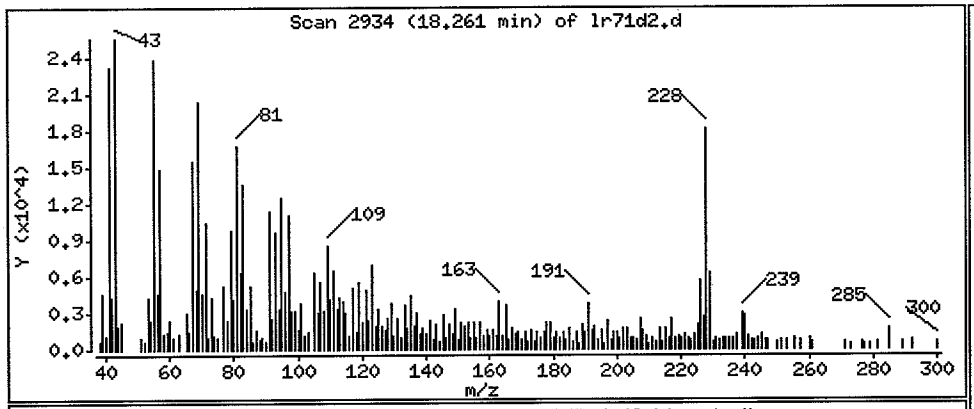
Operator: VTS

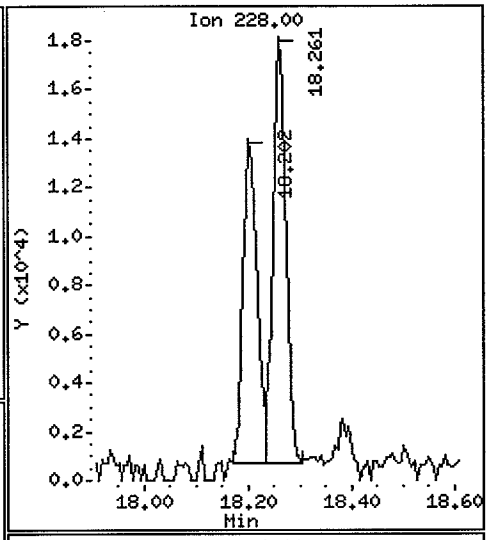
Column phase: ZB-5

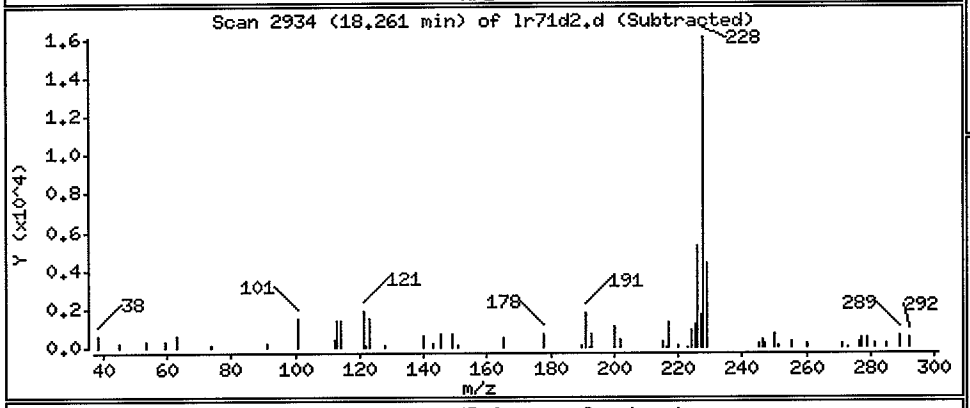
Column diameter: 0.32

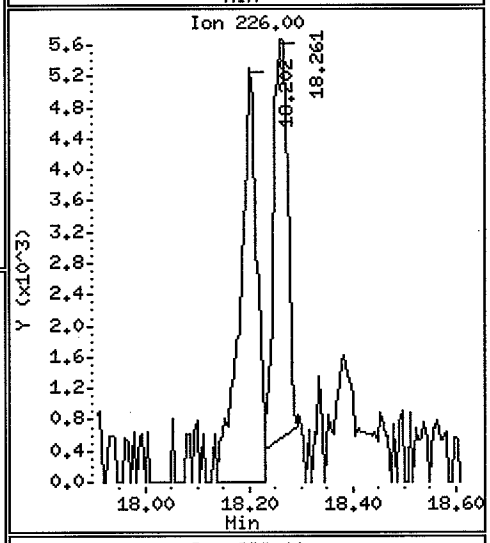
71 Chrysene

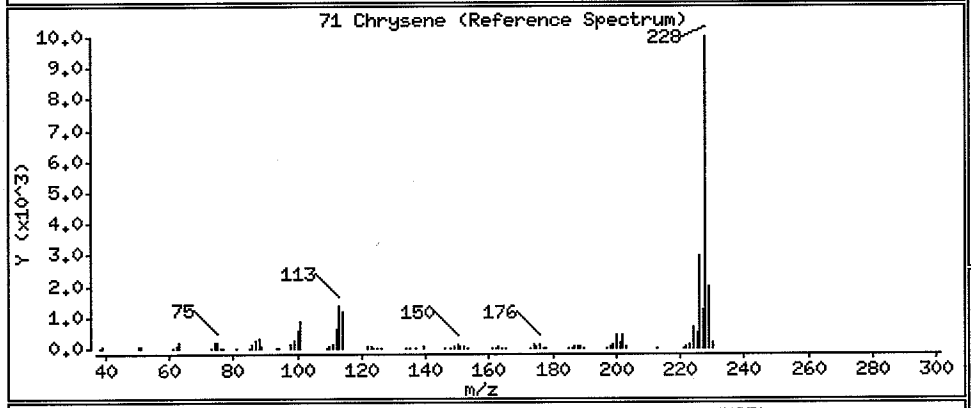
Concentration: 18.00 ug/Kg

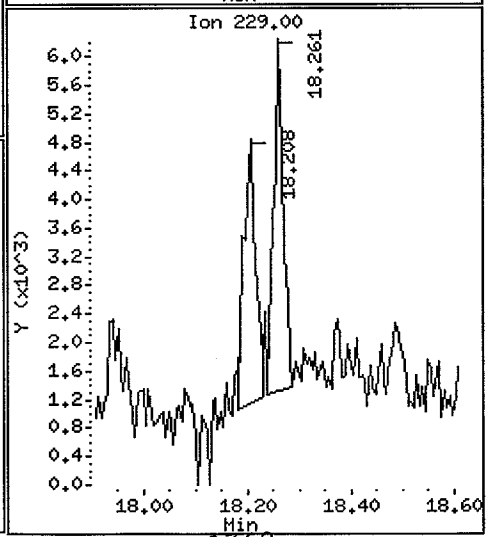


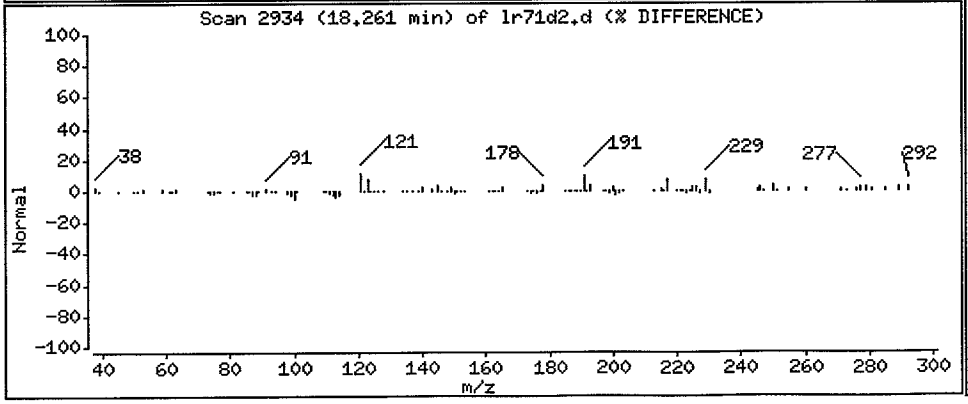












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

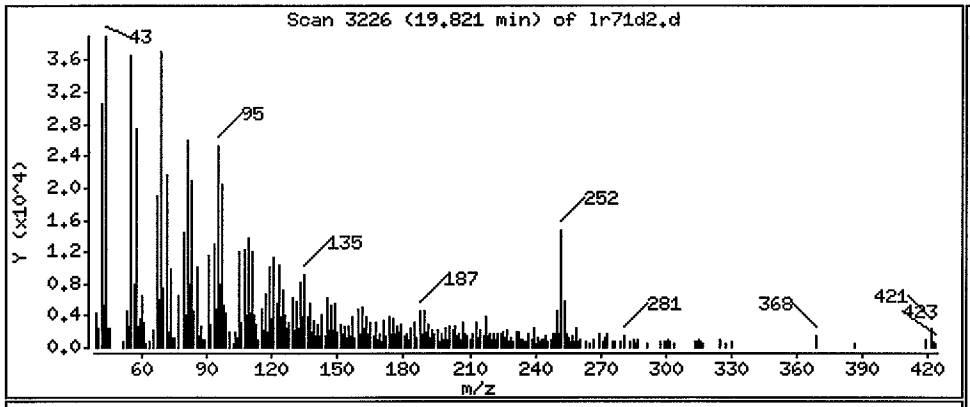
Operator: VTS

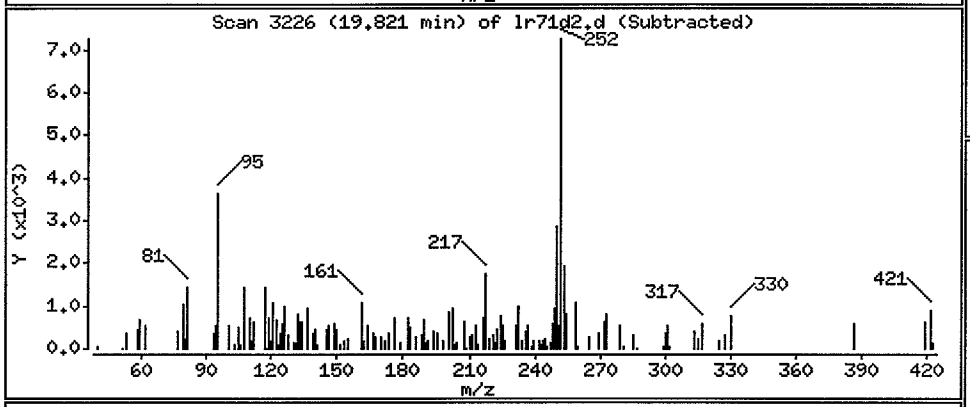
Column phase: ZB-5

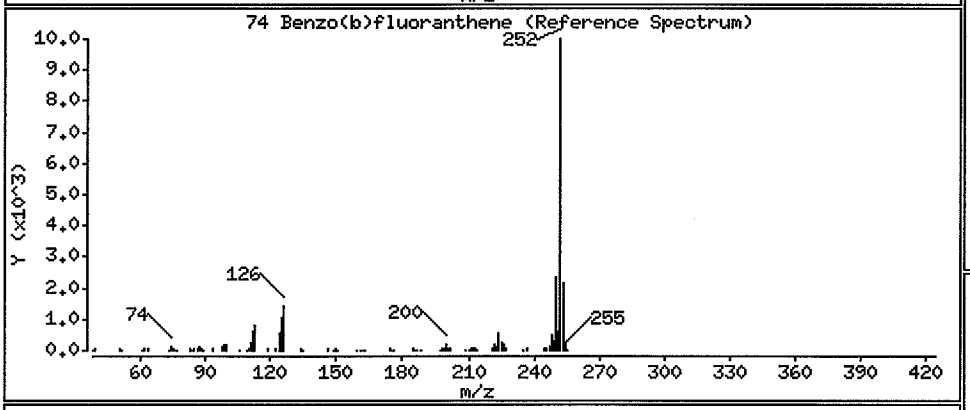
Column diameter: 0.32

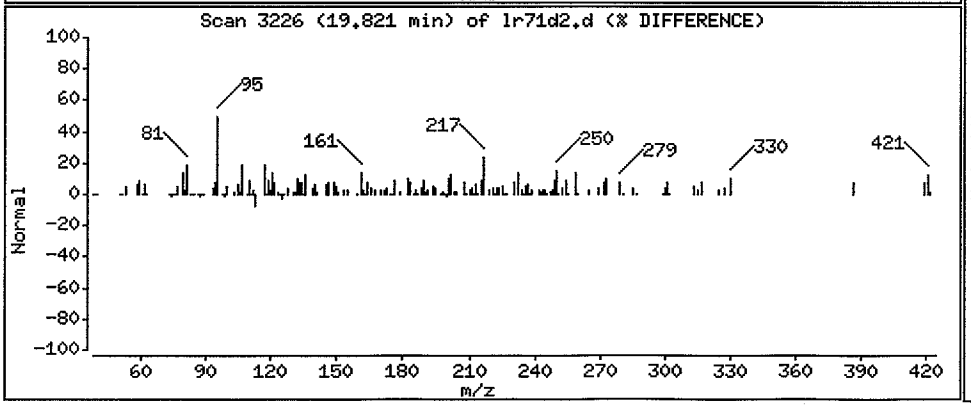
74 Benzo(b)fluoranthene

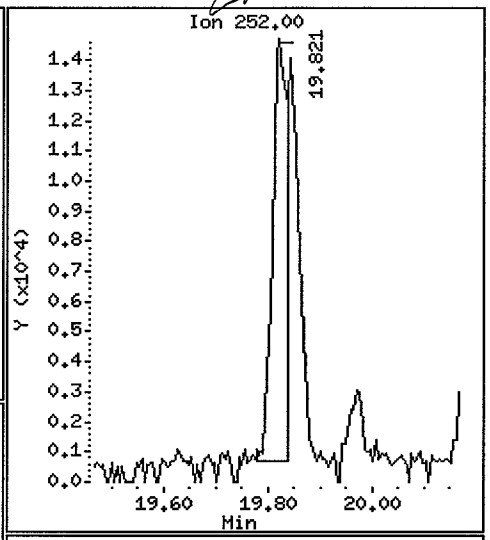
Concentration: 15.68 ug/Kg

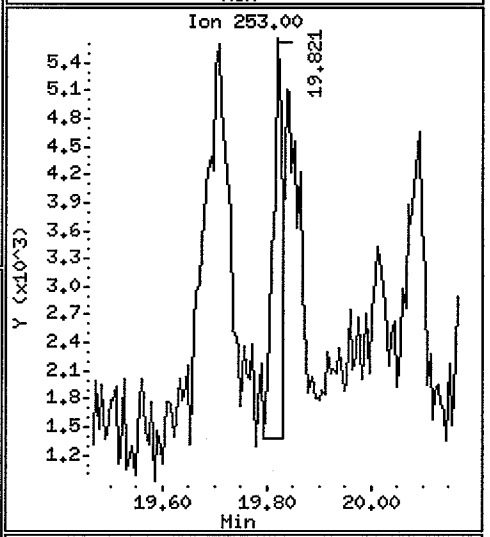


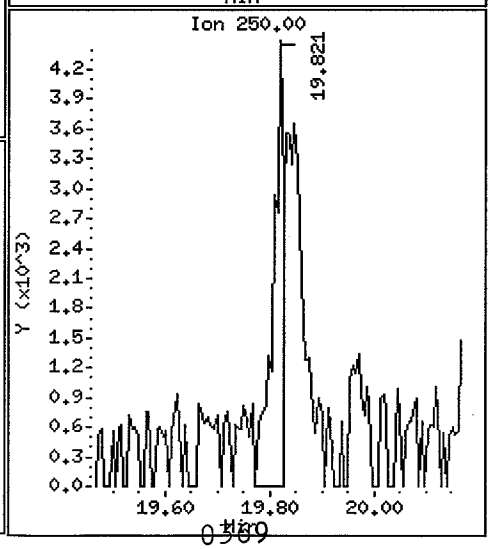












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

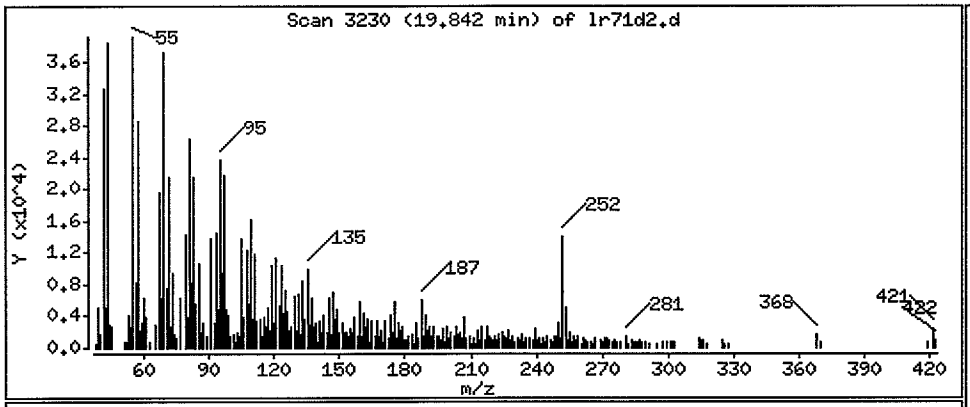
Operator: VTS

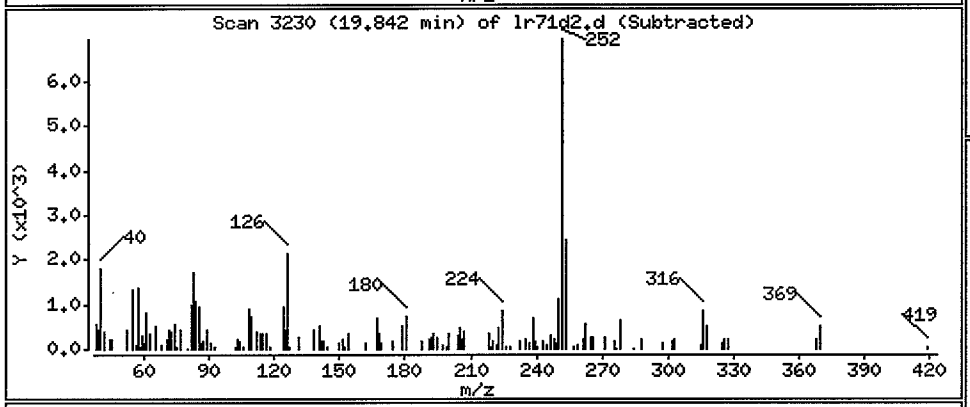
Column phase: ZB-5

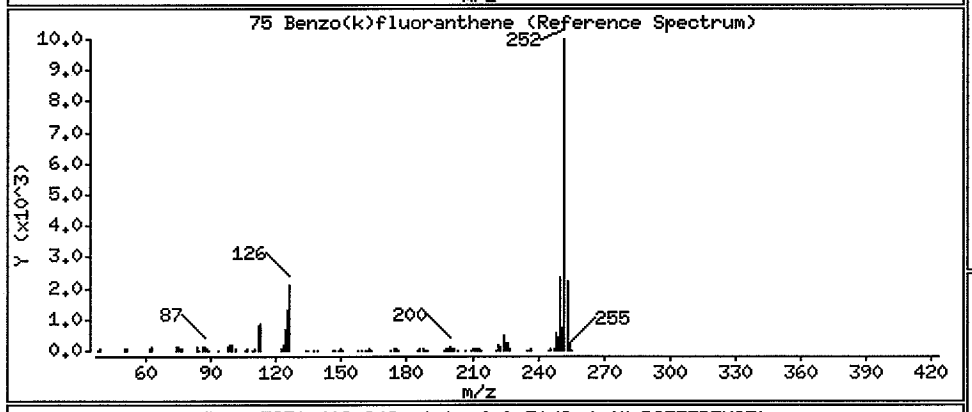
Column diameter: 0.32

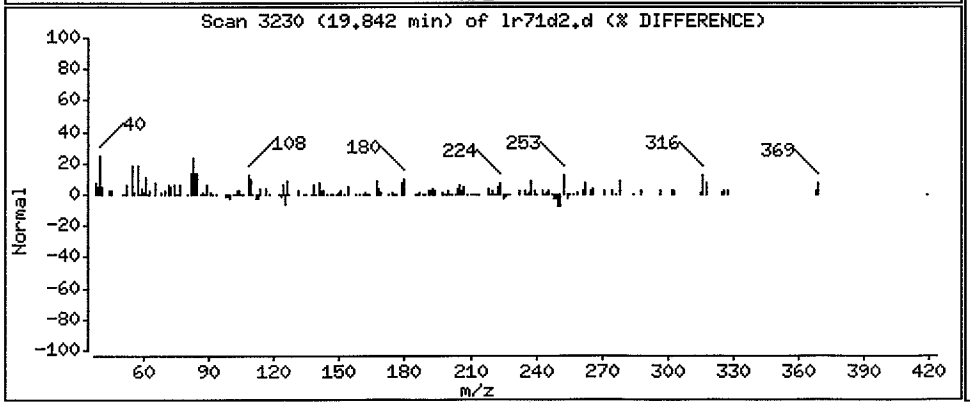
75 Benzo(k)fluoranthene

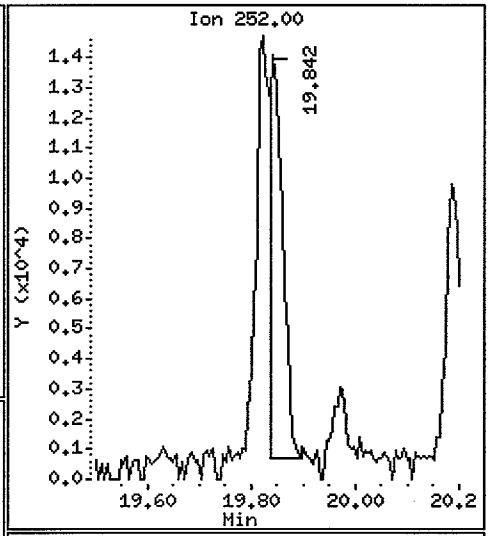
Concentration: 12.63 ug/Kg

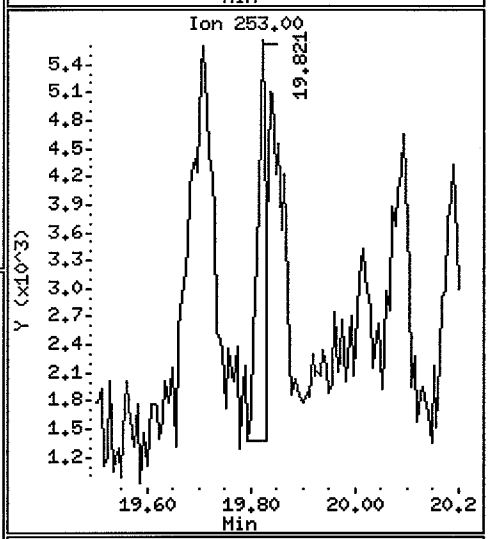


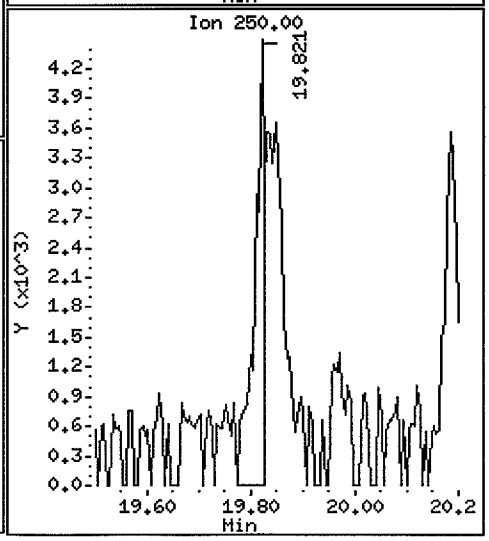












Data File: /chem3/nt4.i/20071101.b/lr71d2.d

Date : 01-NOV-2007 18:13

Client ID:

Instrument: nt4.i

Sample Info: LR71DRE

Volume Injected (uL): 1.0

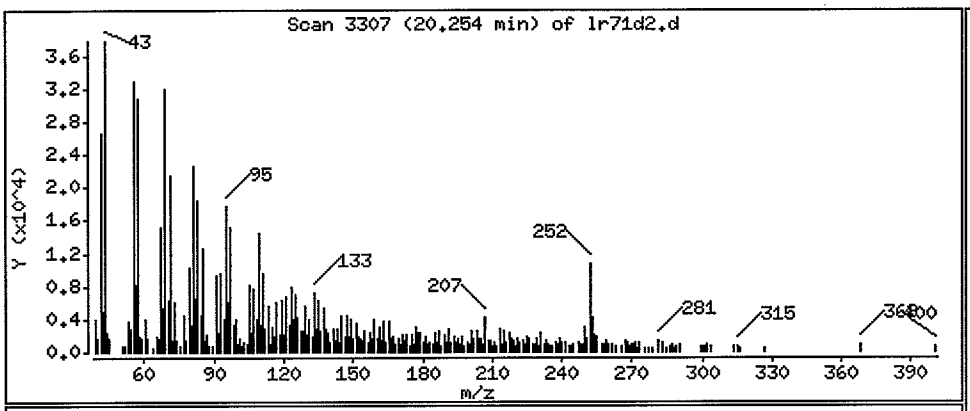
Operator: VTS

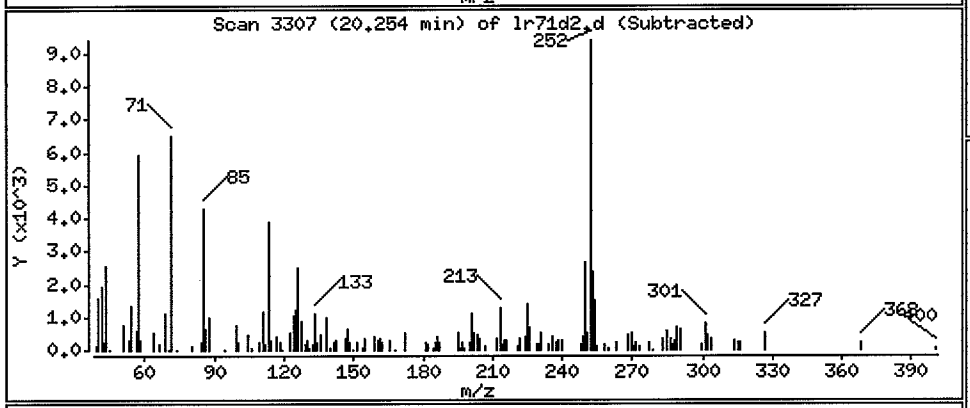
Column phase: ZB-5

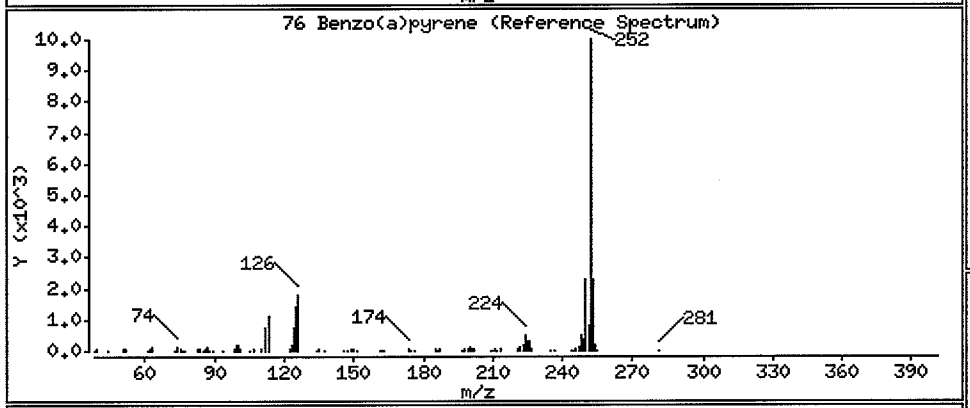
Column diameter: 0.32

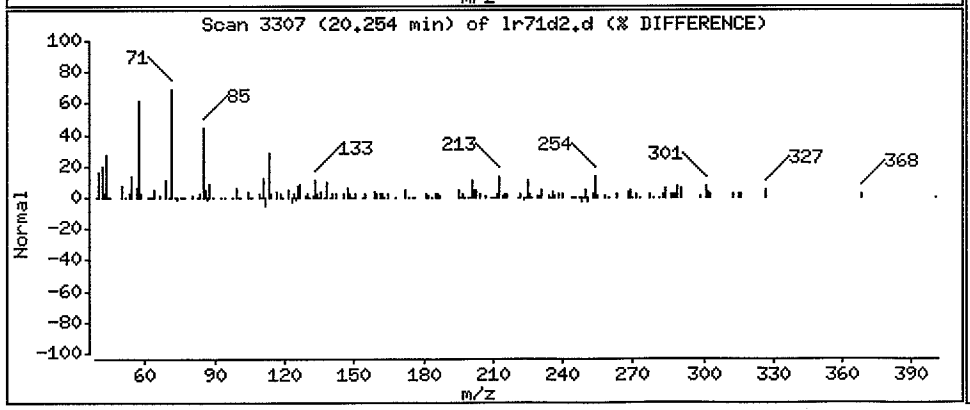
76 Benzo(a)pyrene

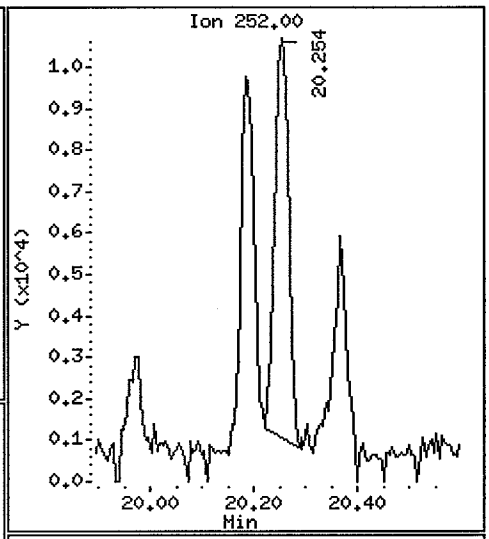
Concentration: 12.05 ug/Kg

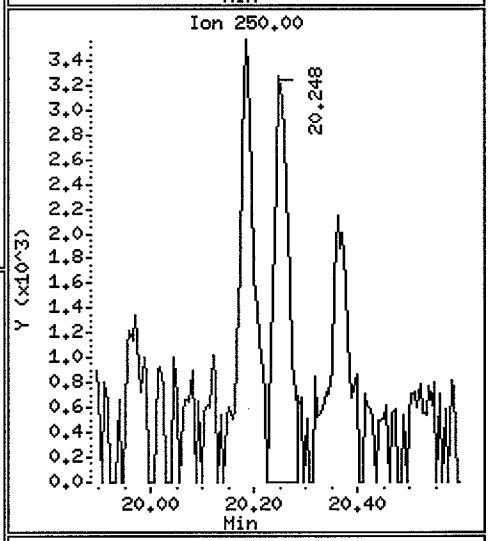


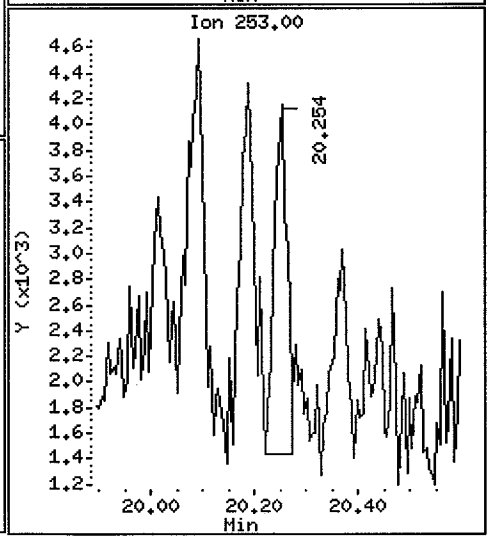












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-10-070928**
Page 1 of 2 **SAMPLE**

Lab Sample ID: LR71E
LIMS ID: 07-20770
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 16:55
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 22.7%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**31**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**34**
129-00-0	**Pyrene**	**20**	**24**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**29**
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-10-070928
SAMPLE

Lab Sample ID: LR71E
LIMS ID: 07-20770
Matrix: Sediment
Date Analyzed: 10/18/07 16:55

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

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	42.8%	2-Fluorobiphenyl	46.8%
d14-p-Terphenyl	50.8%	d4-1,2-Dichlorobenzene	38.4%
d5-Phenol	44.5%	2-Fluorophenol	55.2%
2,4,6-Tribromophenol	52.0%	d4-2-Chlorophenol	43.7%

0373

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071018.b/lr71e.d
Lab Smp Id: LR71E Client Smp ID: AN-SS-10-070928
Inj Date : 18-OCT-2007 16:55
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71E
Misc Info : 07-20770
Comment : 1ul Injection
Method : /chem1/nt6.i/20071018.b/SW846.m
Meth Date : 25-Oct-2007 15:32 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJT 10/25/07

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	65.10000	Weight of sample extracted (g)
M	22.70000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	5.986	5.917	(0.756)	300701	20.6866	411.1
$	2 Phenol-d5	99	7.503	7.488	(0.948)	309514	16.6685	331.2
	3 Phenol	94	7.519	7.504	(0.950)	35809	1.55605	30.92
$	5 2-Chlorophenol-d4	132	7.616	7.600	(0.962)	202474	16.3716	325.3
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	7.915	7.904	(1.000)	197254	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	8.214	8.204	(1.038)	89062	9.60326	190.8
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	8.684	8.674	(1.097)	7804	0.56338	11.20
$	18 Nitrobenzene-d5	82	8.850	8.845	(0.887)	207655	10.7498	213.6
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.971	9.961	(1.000)	601231	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	11.782	11.777	(0.917)	296920	11.6774	232.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.851	12.841	(1.000)	326575	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	14.149	14.139	(1.101)	61632	19.4517	386.5
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	15.233	15.223	(1.000)	507145	20.0000	
	60 Phenanthrene	178	15.271	15.261	(1.002)	25967	0.79803	15.86
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	Compound Not Detected.					
64	Fluoranthene	202	17.215	17.205	(1.130)	63101	1.69579	33.70
65	Pyrene	202	17.568	17.563	(0.898)	52620	1.19117	23.67
$ 66	Terphenyl-d14	244	17.899	17.884	(0.915)	352239	12.7391	253.1
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	Compound Not Detected.					
* 69	Chrysene-d12	240	19.566	19.556	(1.000)	615072	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	19.603	19.598	(1.002)	24976	0.57671 EDL	11.46
72	bis(2-Ethylhexyl)phthalate	149	19.796	19.785	(0.955)	38120	1.43622	28.54
* 134	Di-n-octylphthalate-d4	153	20.730	20.720	(1.000)	877776	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	Compound Not Detected.					
75	Benzo(k)fluoranthene	252	Compound Not Detected.					
76	Benzo(a)pyrene	252	Compound Not Detected.					
* 77	Perylene-d12	264	21.735	21.719	(1.000)	589955	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
79	Dibenzo(a,h)anthracene	278	Compound Not Detected.					
80	Benzo(g,h,i)perylene	276	Compound Not Detected.					
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: lr71e.d
Lab Smp Id: LR71E
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20770

Calibration Date: 18-OCT-2007
Calibration Time: 10:07
Client Smp ID: AN-SS-10-070928
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	197254	-6.99
27 Naphthalene-d8	656578	328289	1313156	601231	-8.43
42 Acenaphthene-d10	353705	176852	707410	326575	-7.67
59 Phenanthrene-d10	526440	263220	1052880	507145	-3.67
69 Chrysene-d12	581923	290962	1163846	615072	5.70
134 Di-n-octylphthala	979097	489548	1958194	877776	-10.35
77 Perylene-d12	686531	343266	1373062	589955	-14.07

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.90	7.40	8.40	7.91	0.13
27 Naphthalene-d8	9.96	9.46	10.46	9.97	0.10
42 Acenaphthene-d10	12.84	12.34	13.34	12.85	0.08
59 Phenanthrene-d10	15.22	14.72	15.72	15.23	0.07
69 Chrysene-d12	19.56	19.06	20.06	19.57	0.05
134 Di-n-octylphthala	20.72	20.22	21.22	20.73	0.05
77 Perylene-d12	21.72	21.22	22.22	21.73	0.07

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71E
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20770

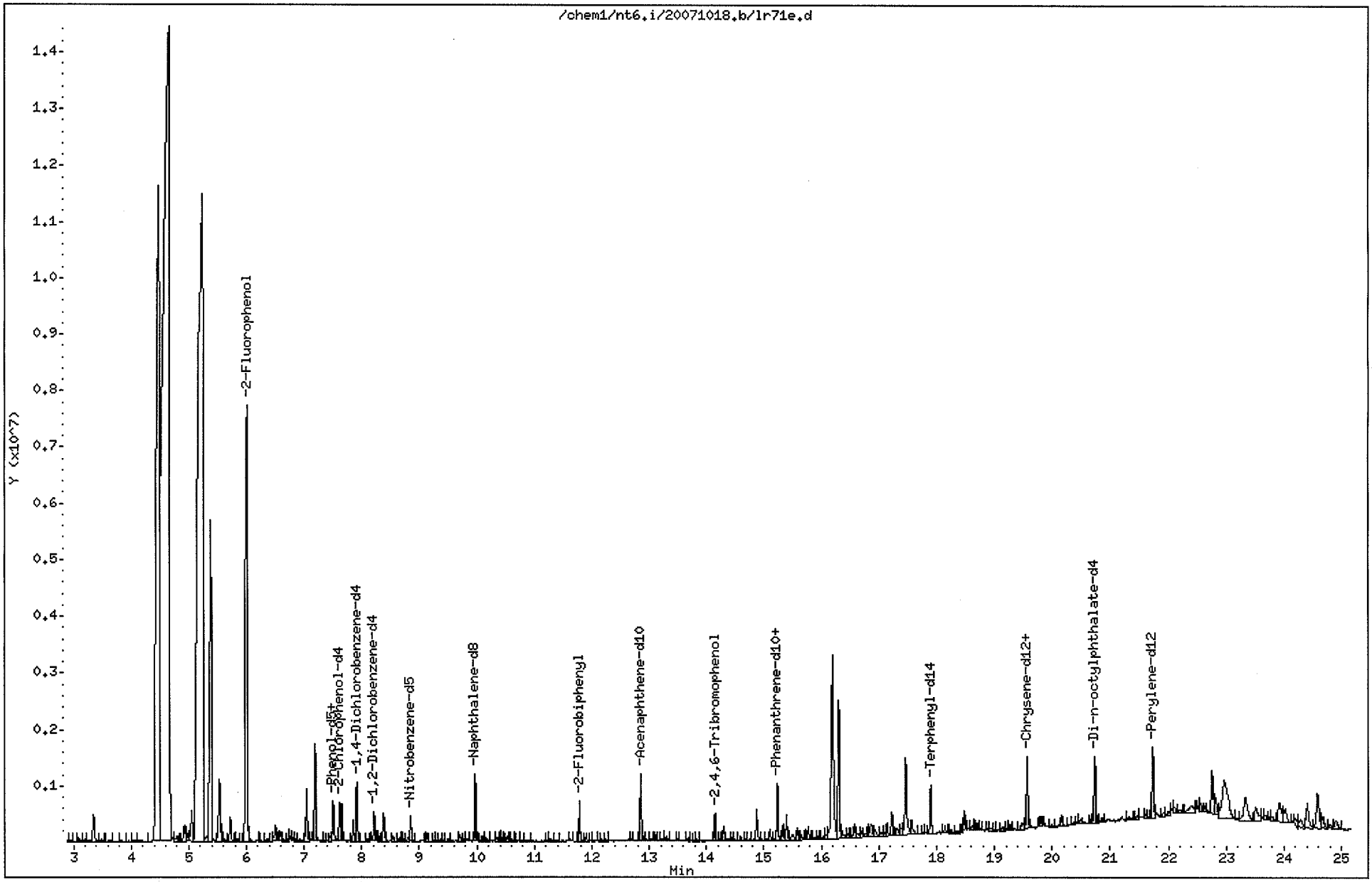
Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-10-070928
Operator: LJR/VTS
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	745.2	411.1	55.16	11-84
$ 2 Phenol-d5	745.2	331.2	44.45	25-86
$ 5 2-Chlorophenol-d4	745.2	325.3	43.66	23-91
$ 10 1,2-Dichlorobenzen	496.8	190.8	38.41	24-90
$ 18 Nitrobenzene-d5	496.8	213.6	43.00	26-88
$ 36 2-Fluorobiphenyl	496.8	232.1	46.71	34-91
$ 55 2,4,6-Tribromophen	745.2	386.5	51.87	25-107
$ 66 Terphenyl-d14	496.8	253.1	50.96	22-100

Data File: /chem1/nt6.i/20071018.b/lr71e.d
Date : 18-OCT-2007 16:55
Client ID: AN-SS-10-070928
Sample Info: LR71E
Volume Injected (uL): 1.0
Column phase: ZB-5

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

0379



Data File: /chem1/nt6.i/20071018.b/lr71e.d

Date : 18-OCT-2007 16:55

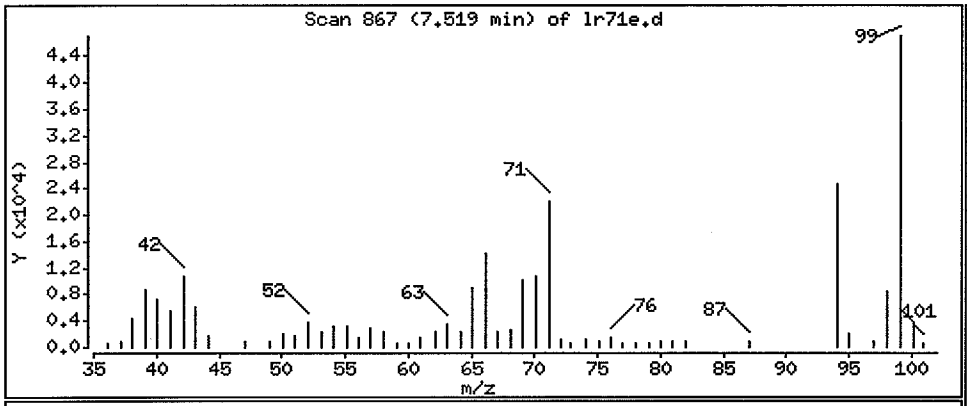
Client ID: AN-SS-10-070928 Instrument: nt6.i

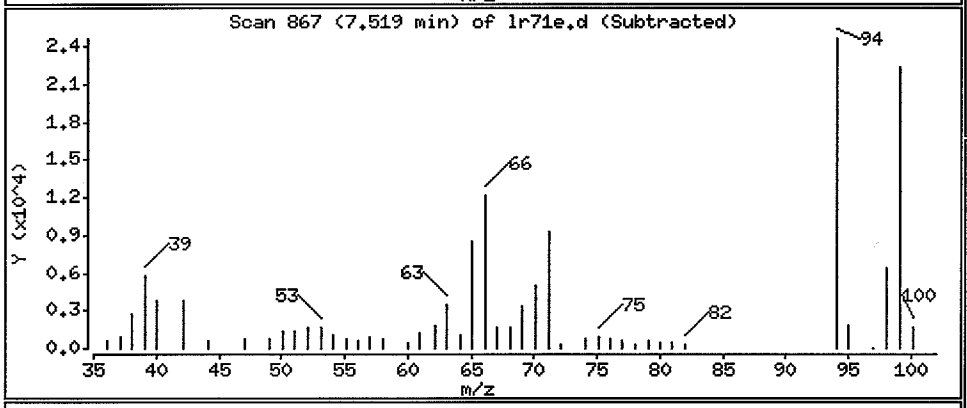
Sample Info: LR71E

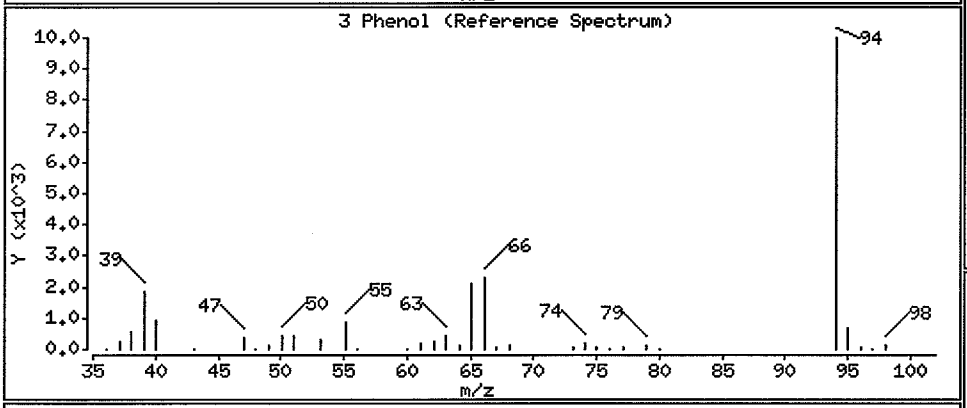
Volume Injected (uL): 1.0 Operator: LJR/VTS

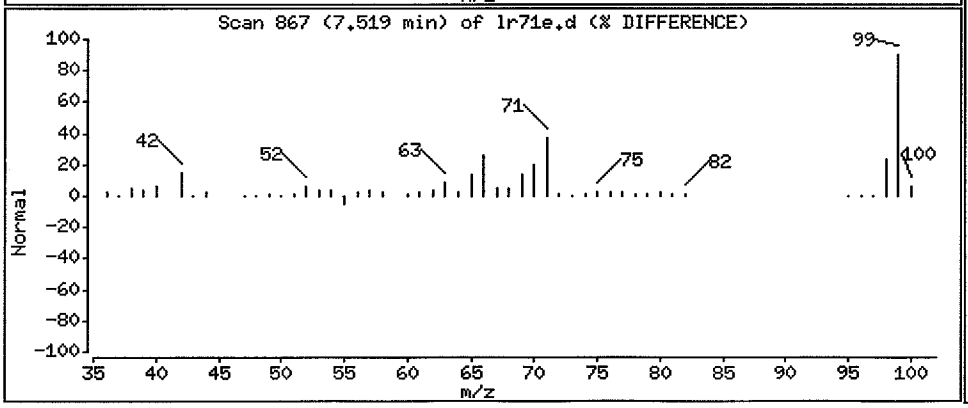
Column phase: ZB-5 Column diameter: 0.32

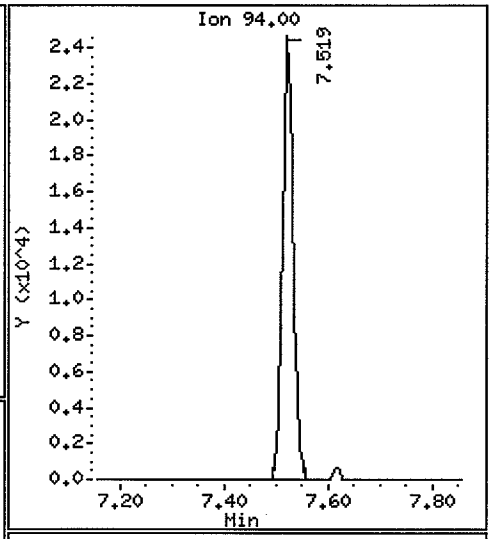
3 Phenol Concentration: 30.92 ug/kg

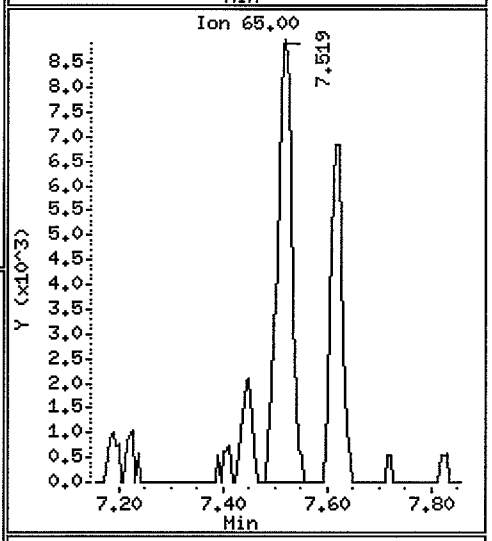


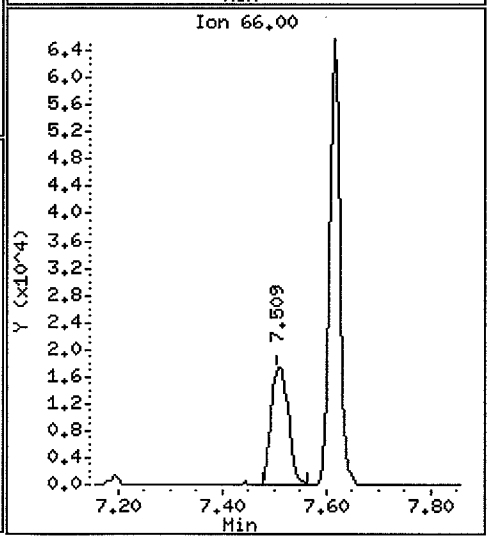












Data File: /chem1/nt6.i/20071018.b/lr71e.d

Date : 18-OCT-2007 16:55

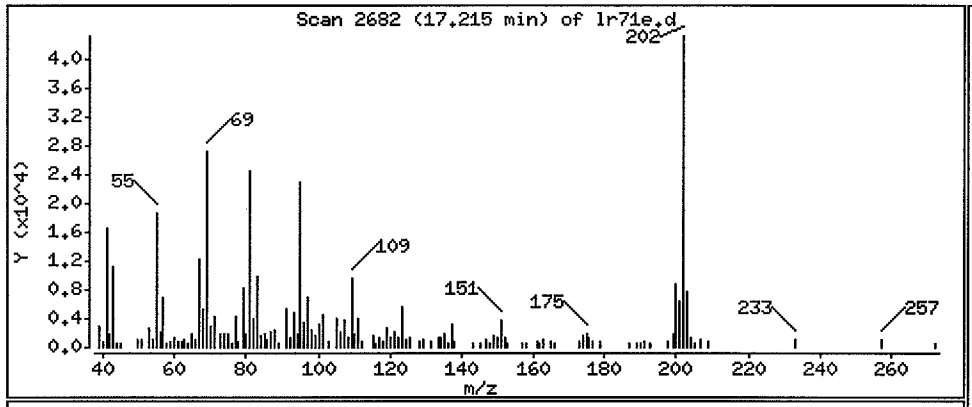
Client ID: AN-SS-10-070928 Instrument: nt6.i

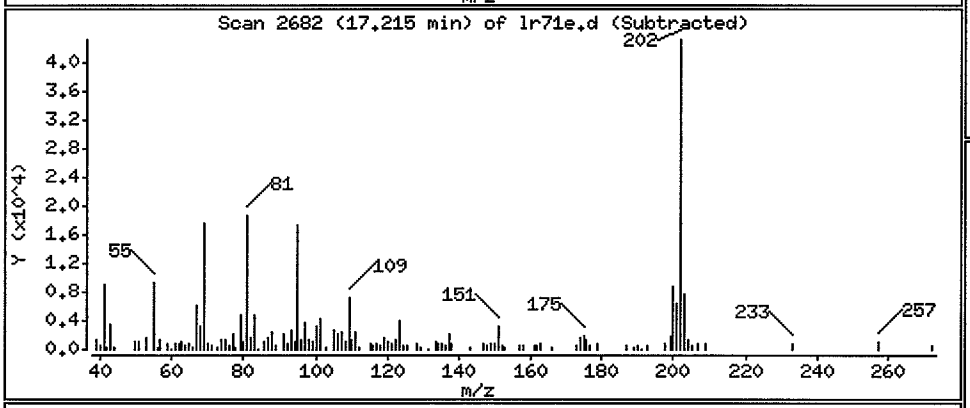
Sample Info: LR71E

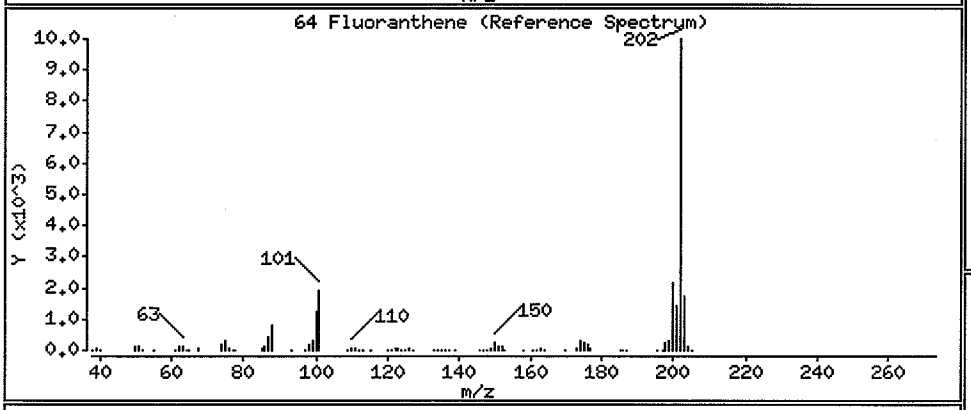
Volume Injected (uL): 1.0 Operator: LJR/VTS

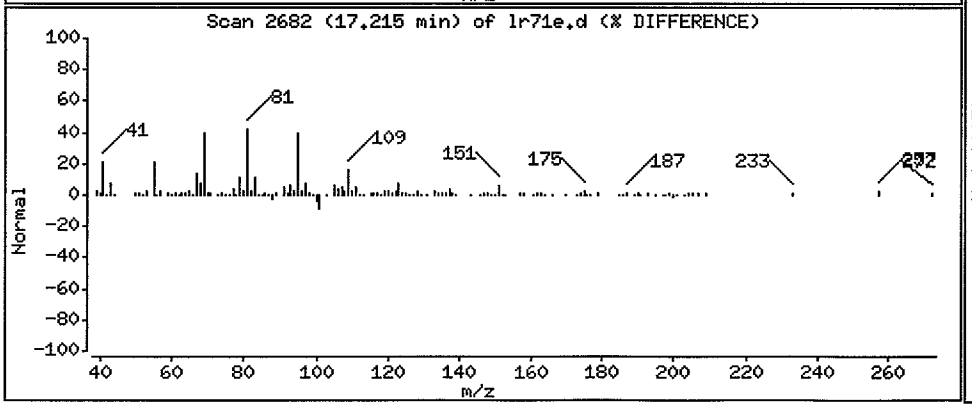
Column phase: ZB-5 Column diameter: 0.32

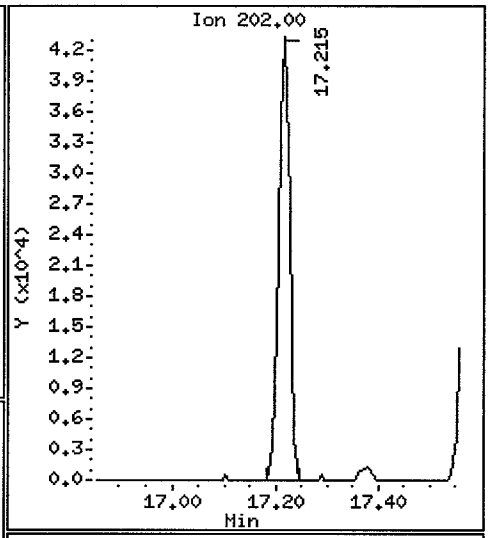
64 Fluoranthene Concentration: 33.70 ug/kg

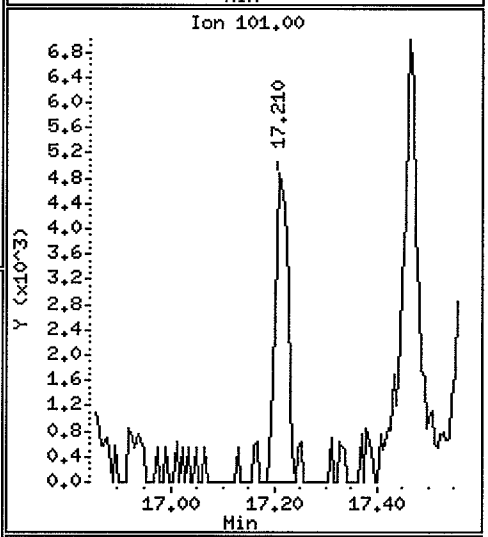


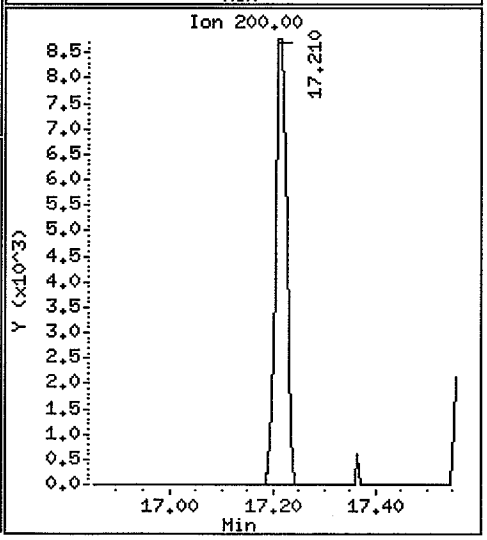












Data File: /chem1/nt6.i/20071018.b/lr71e.d

Date : 18-OCT-2007 16:55

Client ID: AN-SS-10-070928

Instrument: nt6.i

Sample Info: LR71E

Volume Injected (uL): 1.0

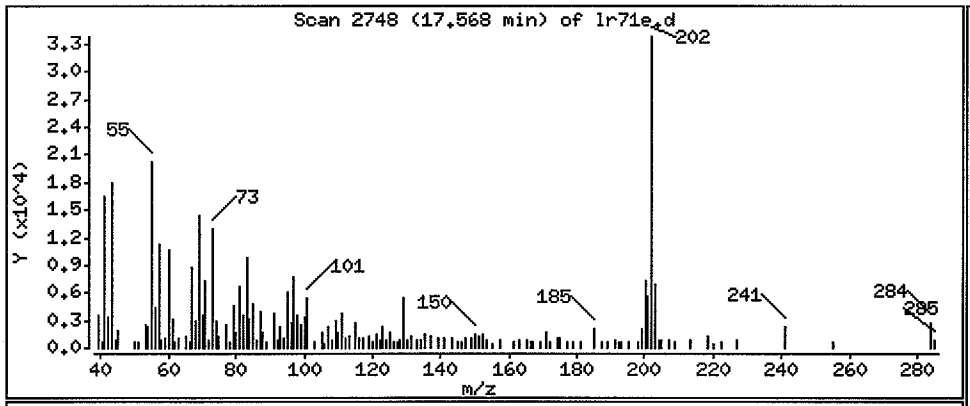
Operator: LJR/VTS

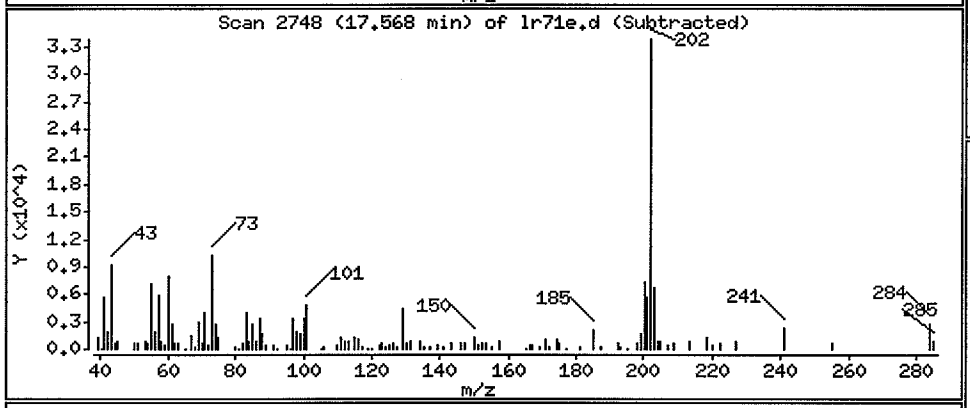
Column phase: ZB-5

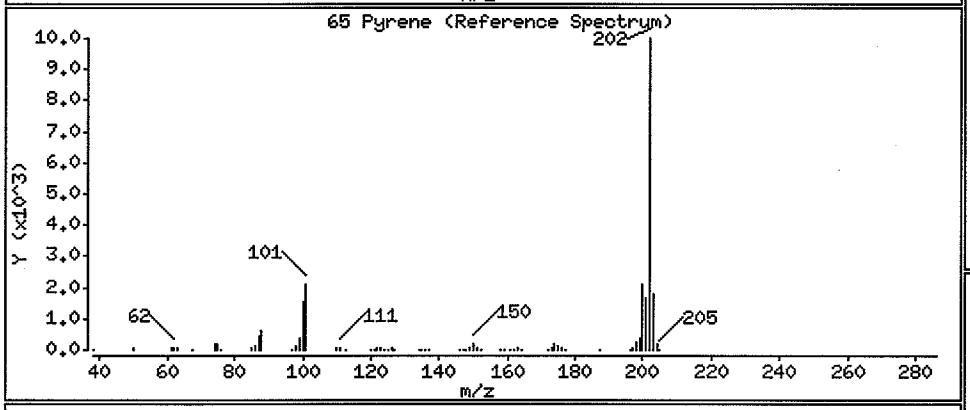
Column diameter: 0.32

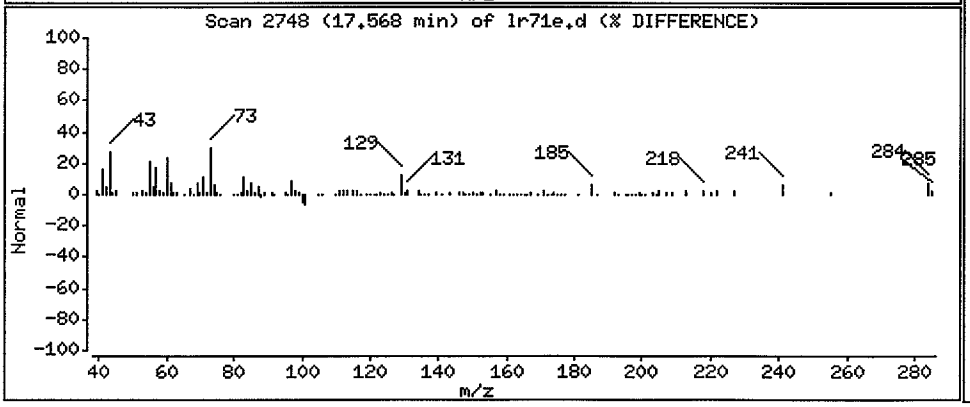
65 Pyrene

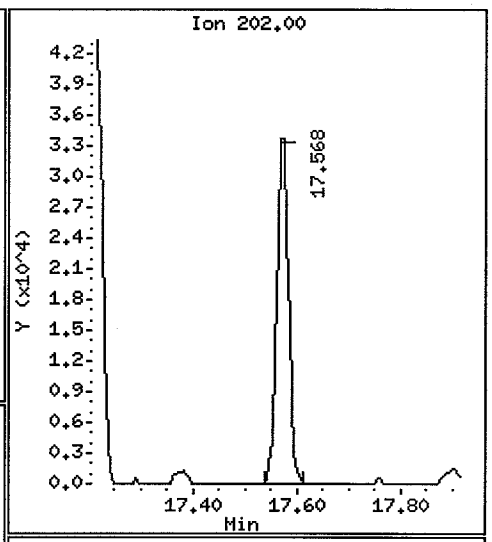
Concentration: 23.67 ug/kg

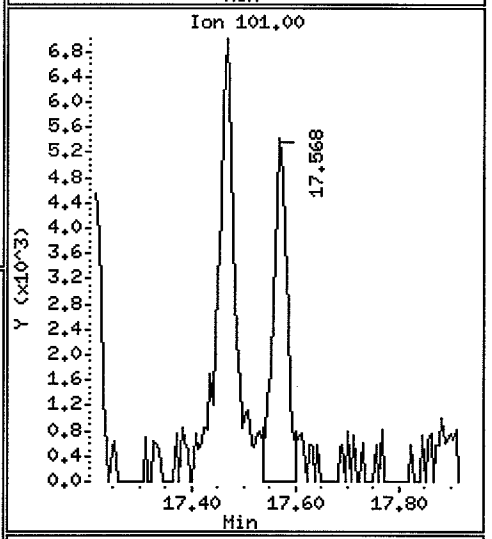


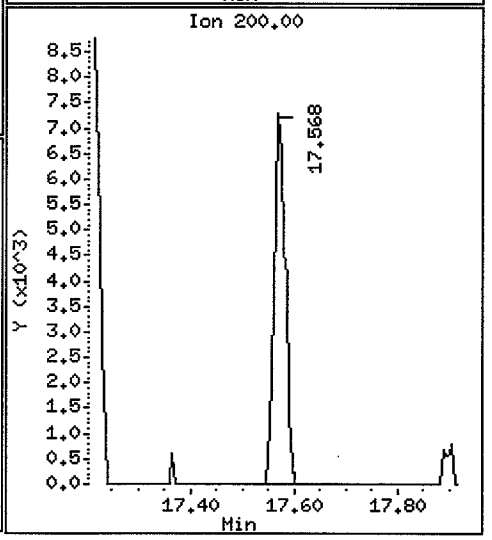












Data File: /chem1/nt6.i/20071018.b/lr71e.d

Date : 18-OCT-2007 16:55

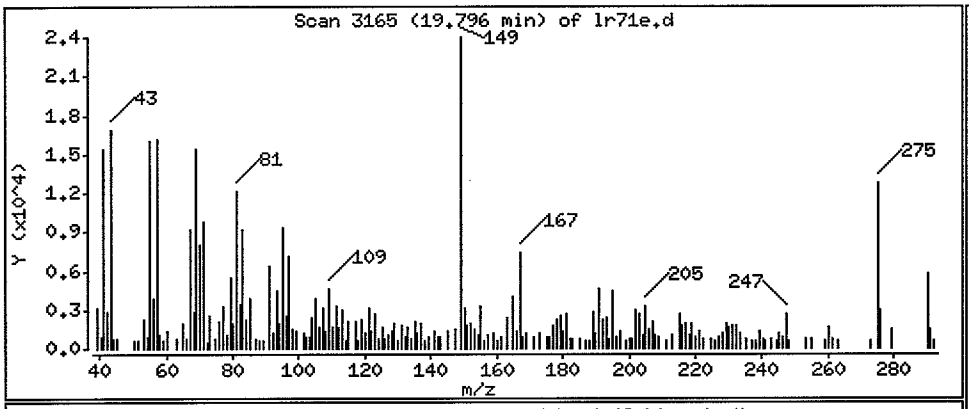
Client ID: AN-SS-10-070928 Instrument: nt6.i

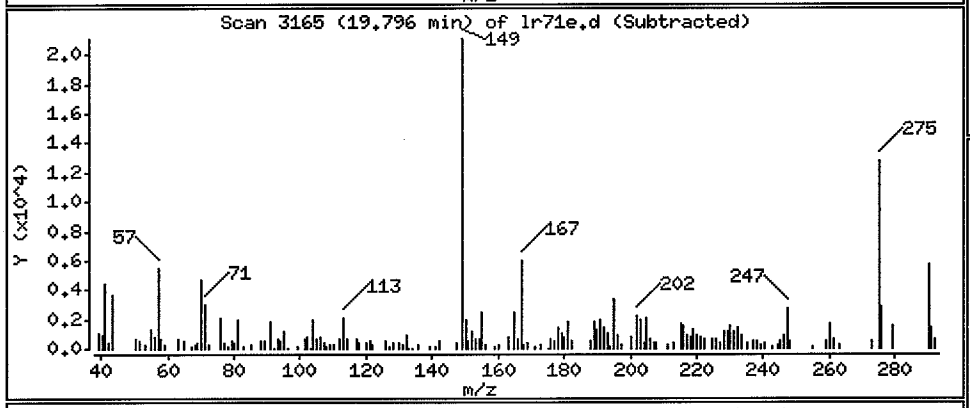
Sample Info: LR71E

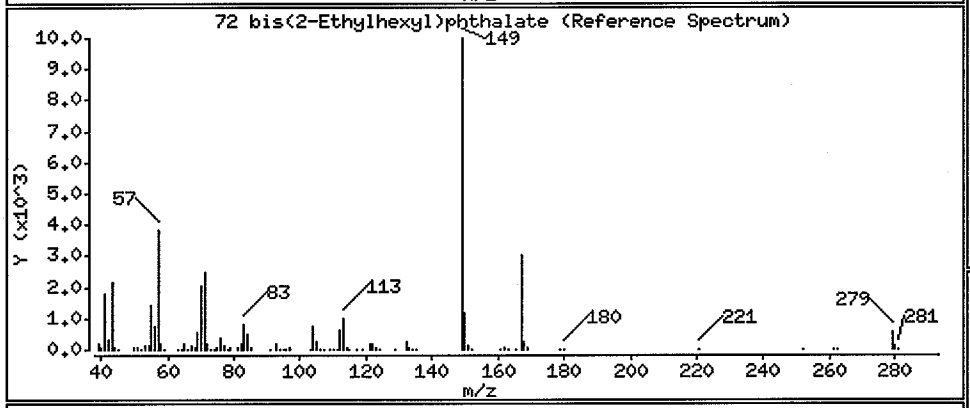
Volume Injected (uL): 1.0 Operator: LJR/VTS

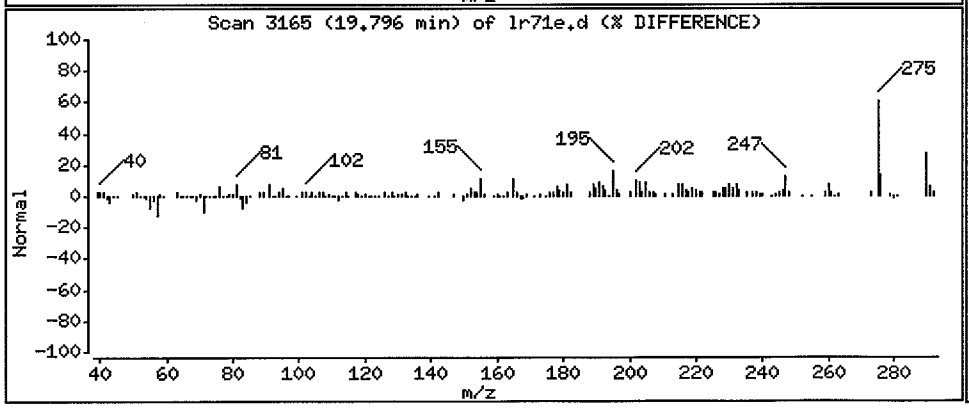
Column phase: ZB-5 Column diameter: 0.32

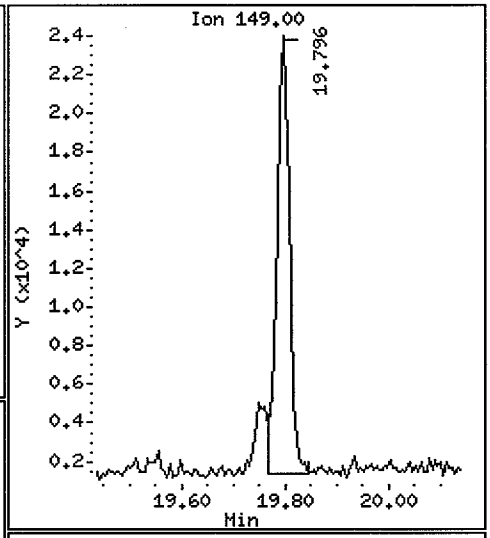
72 bis(2-Ethylhexyl)phthalate Concentration: 28.54 ug/kg

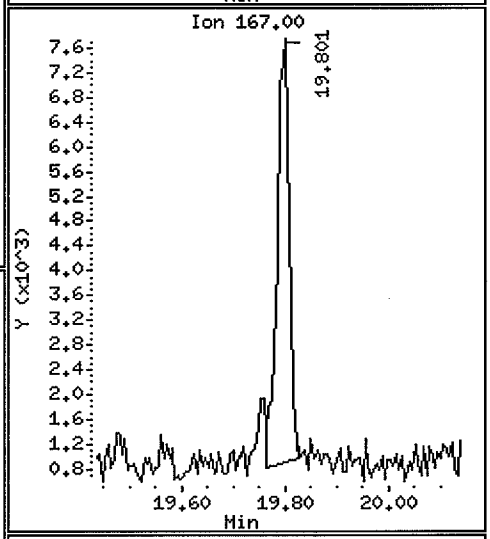


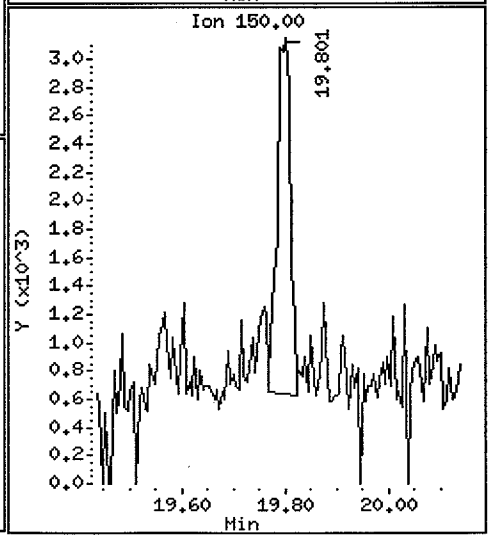












Data File: /chem1/nt6.i/20071018.b/lr71e.d

Date : 18-OCT-2007 16:55

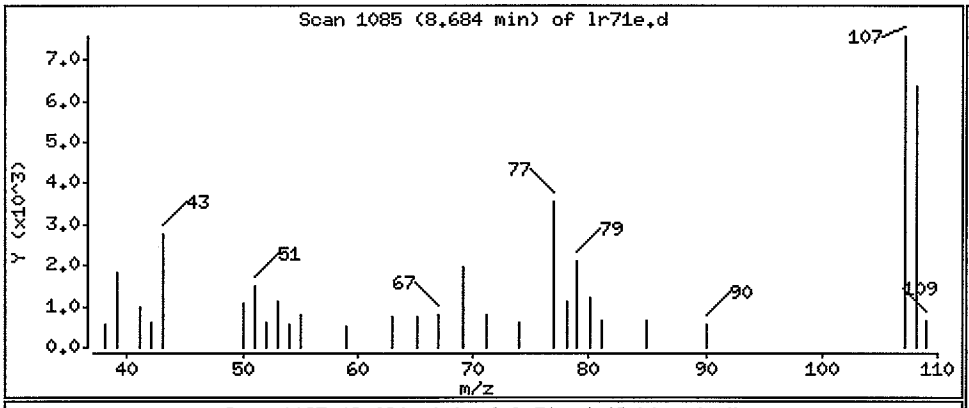
Client ID: AN-SS-10-070928 Instrument: nt6.i

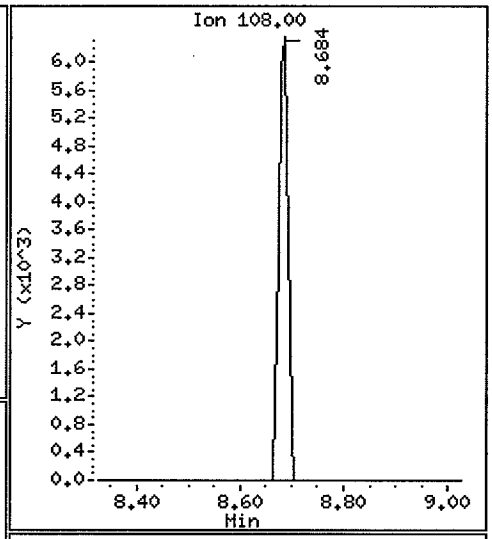
Sample Info: LR71E

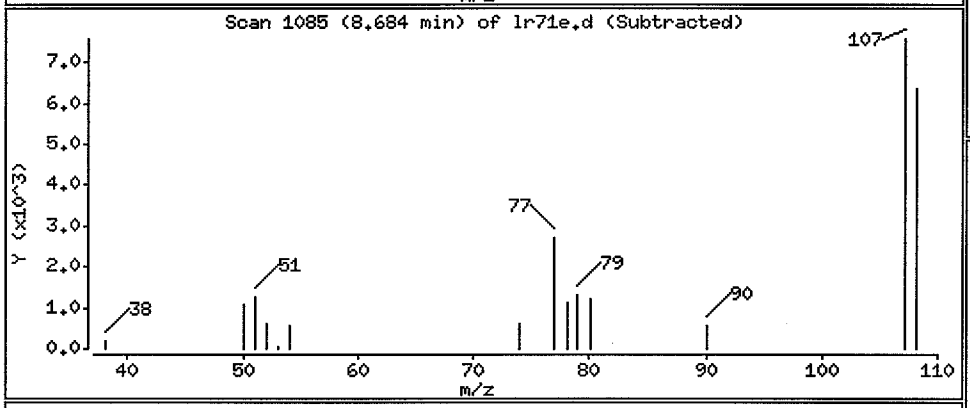
Volume Injected (uL): 1.0 Operator: LJR/VTS

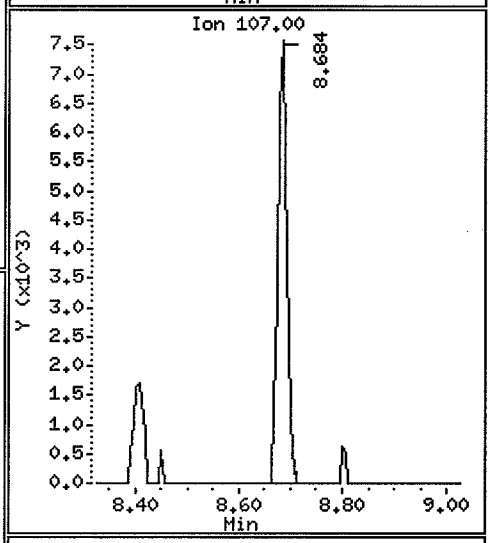
Column phase: ZB-5 Column diameter: 0.32

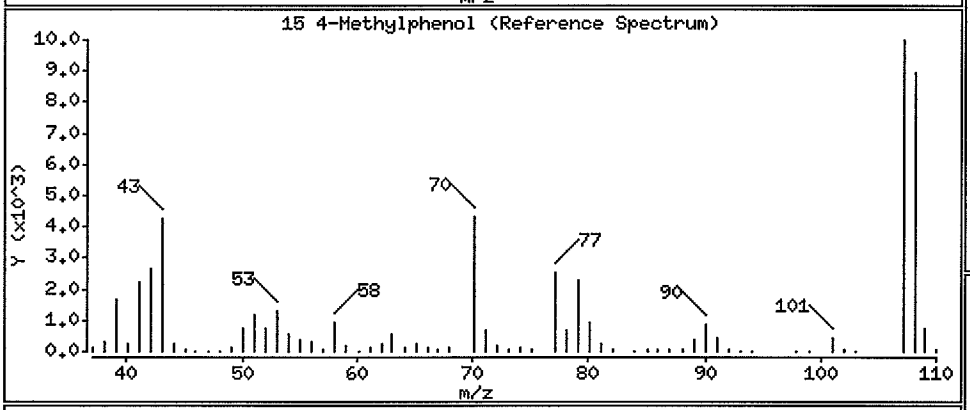
15 4-Methylphenol Concentration: 11.20 ug/kg

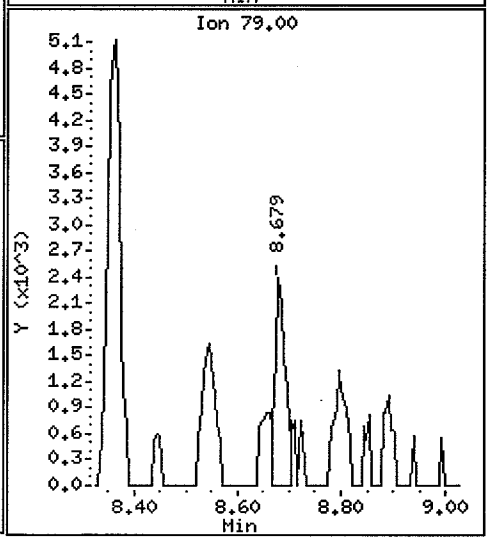


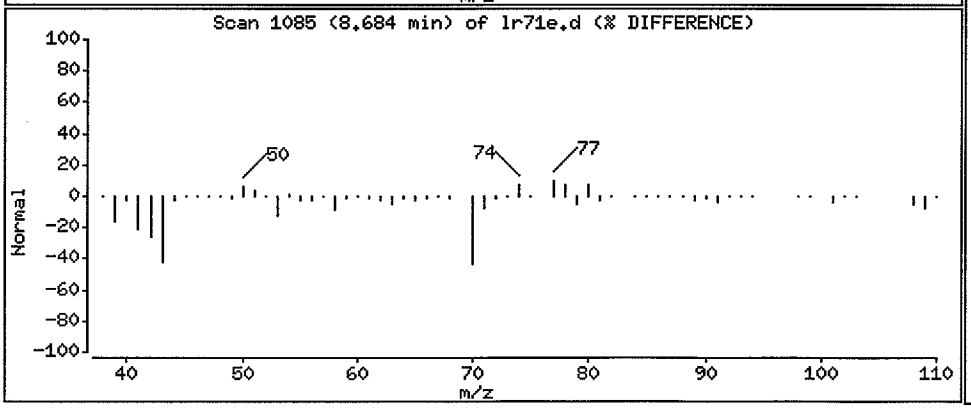












Data File: /chem1/nt6.i/20071018.b/lr71e.d

Date : 18-OCT-2007 16:55

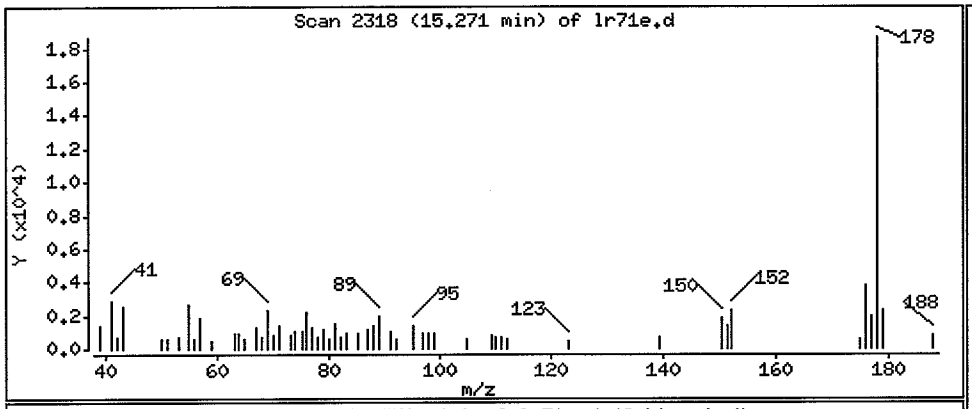
Client ID: AN-SS-10-070928 Instrument: nt6.i

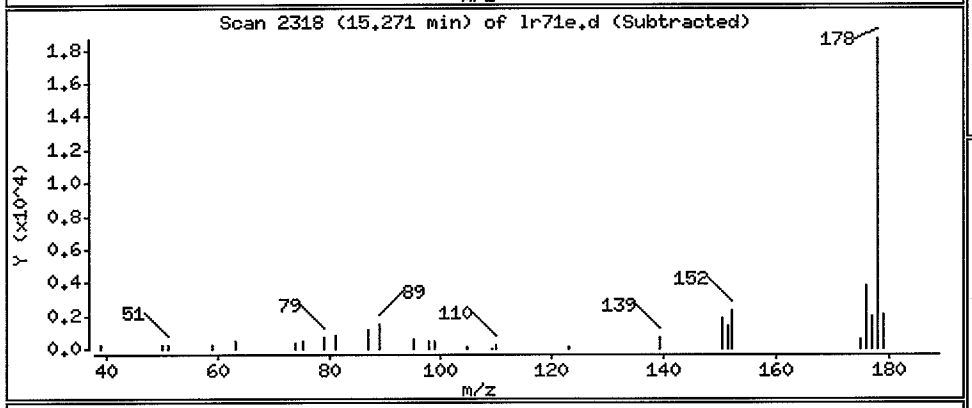
Sample Info: LR71E

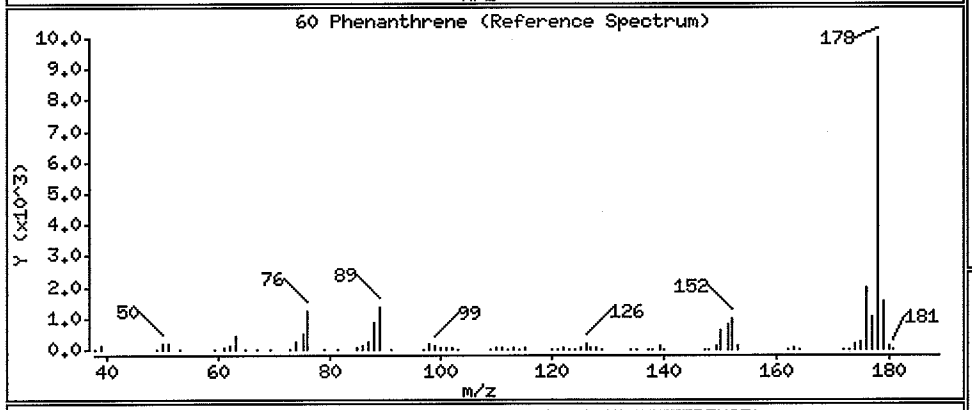
Volume Injected (uL): 1.0 Operator: LJR/VTS

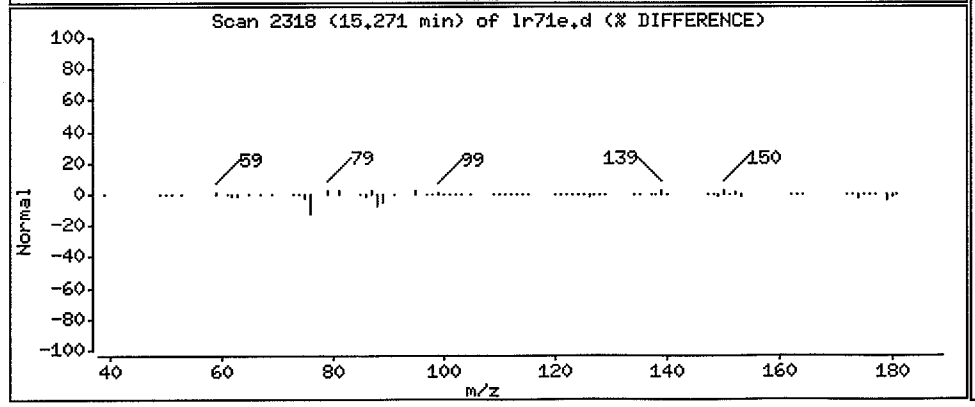
Column phase: ZB-5 Column diameter: 0.32

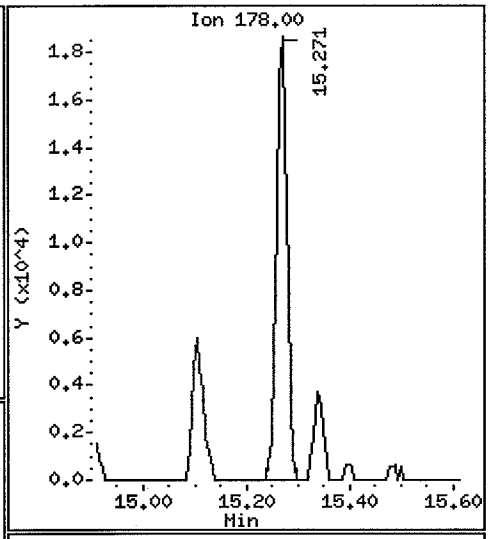
60 Phenanthrene Concentration: 15.86 ug/kg

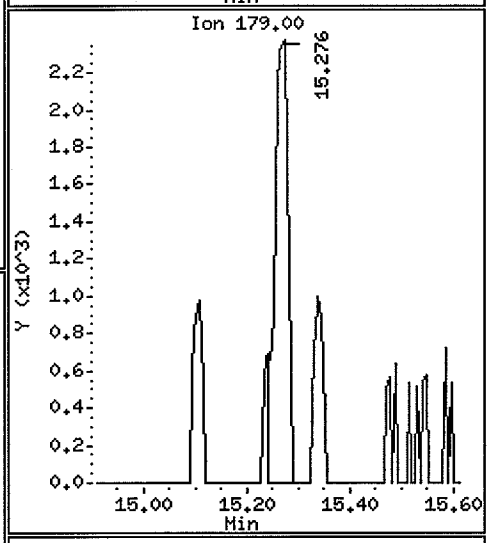


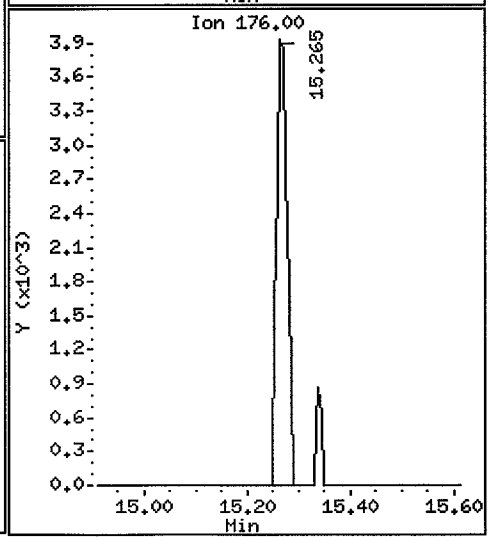












Data File: /chem1/nt6.i/20071018.b/lr71e.d

Date : 18-OCT-2007 16:55

Client ID: AN-SS-10-070928

Instrument: nt6.i

Sample Info: LR71E

Volume Injected (uL): 1.0

Operator: LJR/VTS

Column phase: ZB-5

Column diameter: 0.32

71 Chrysene

Concentration: 11.46 ug/kg

