Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

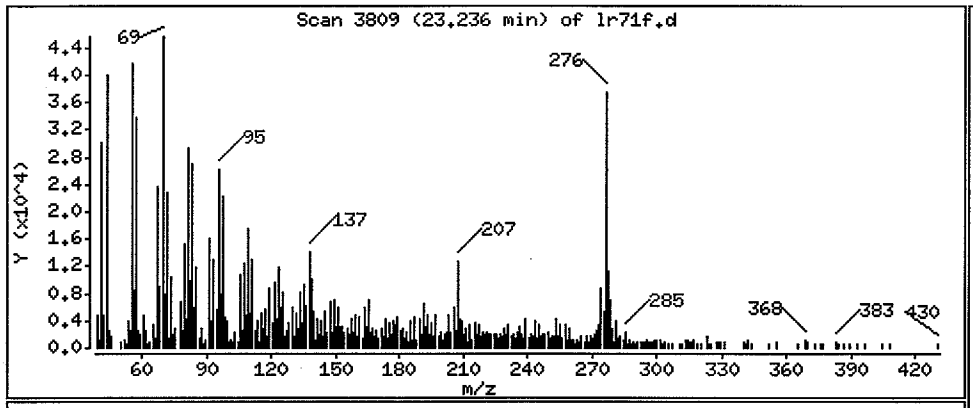
Client ID: AN-SS-11-070928 Instrument: nt6.i

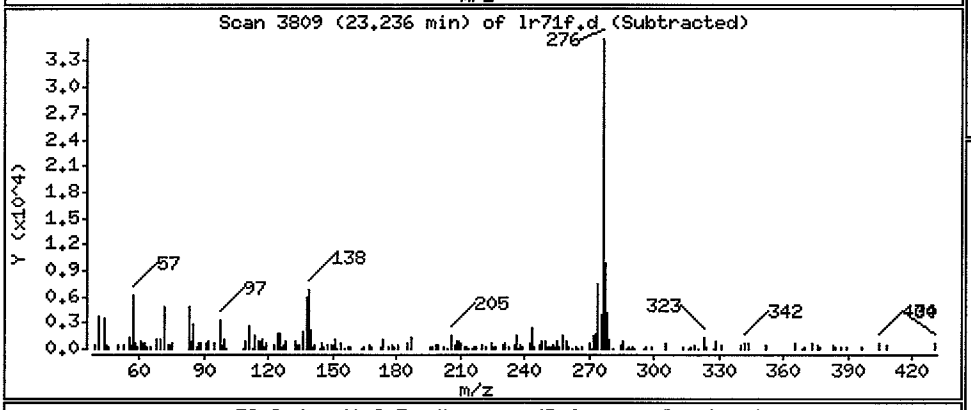
Sample Info: LR71F

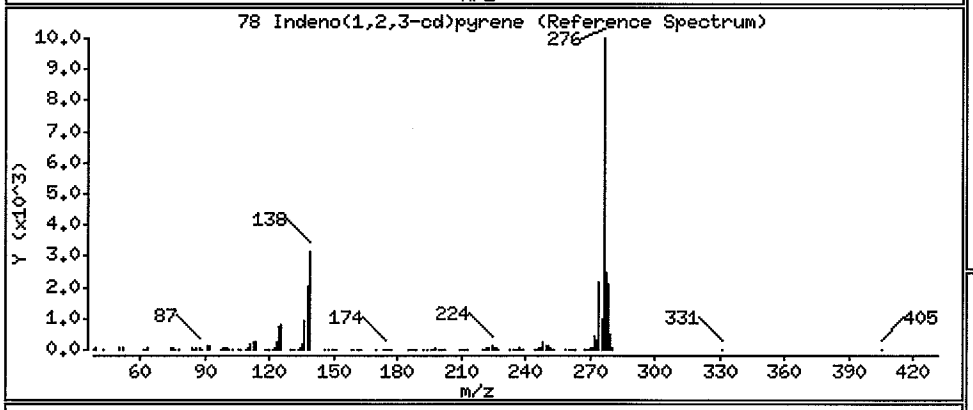
Volume Injected (uL): 1.0 Operator: LJR/VTS

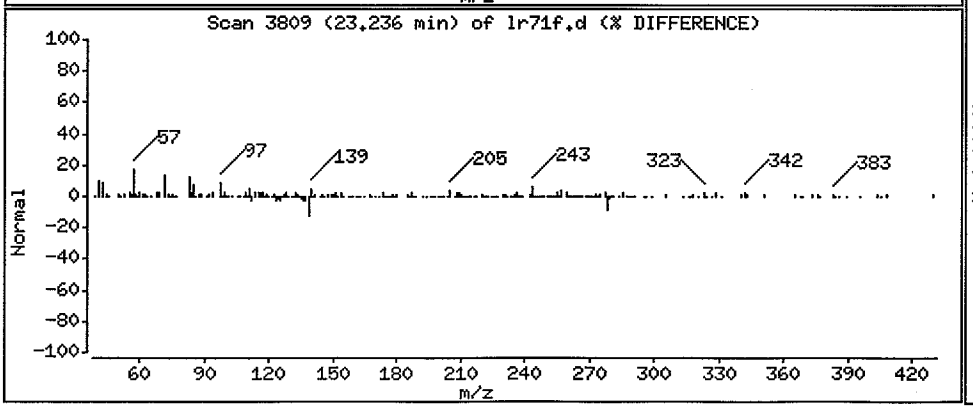
Column phase: ZB-5 Column diameter: 0.32

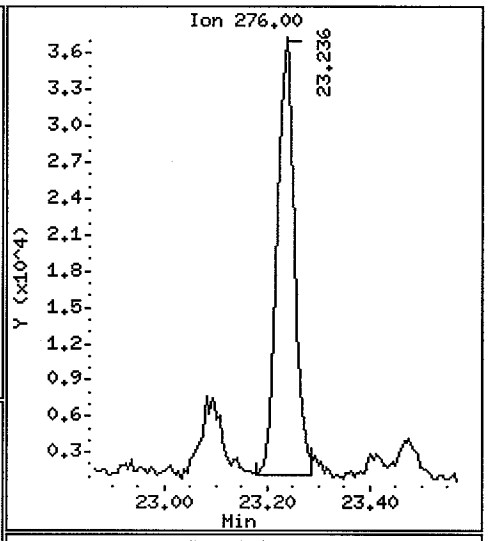
78 Indeno(1,2,3-cd)pyrene Concentration: 36.67 ug/kg

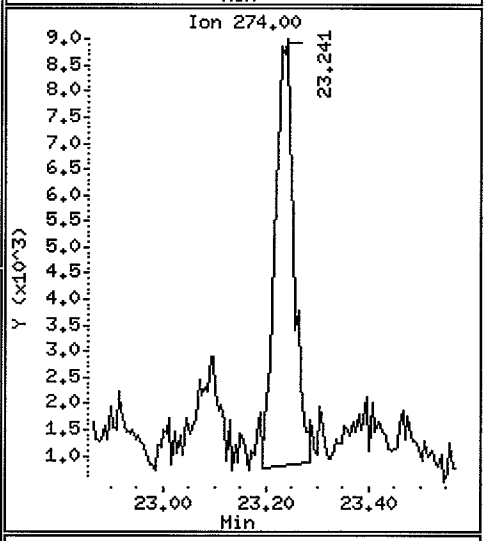


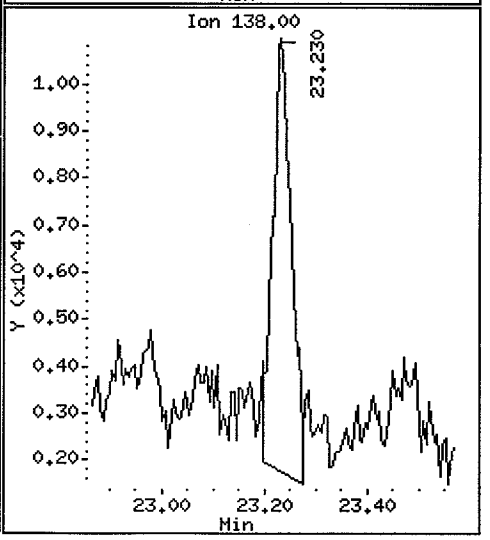












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

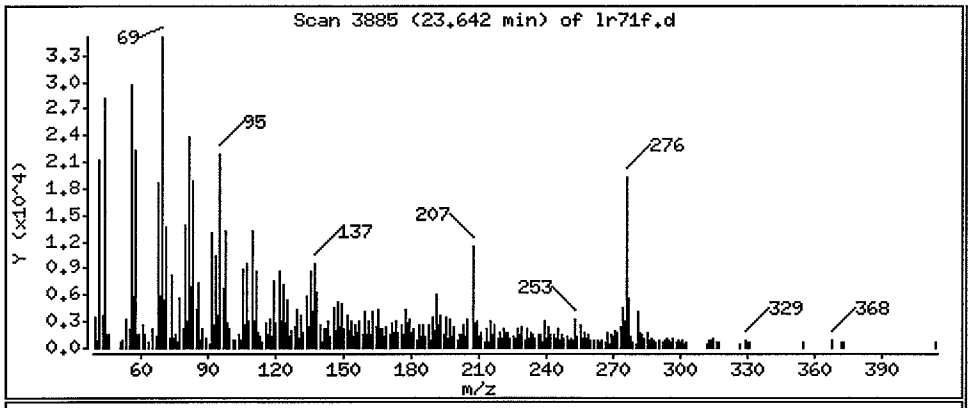
Client ID: AN-SS-11-070928 Instrument: nt6.i

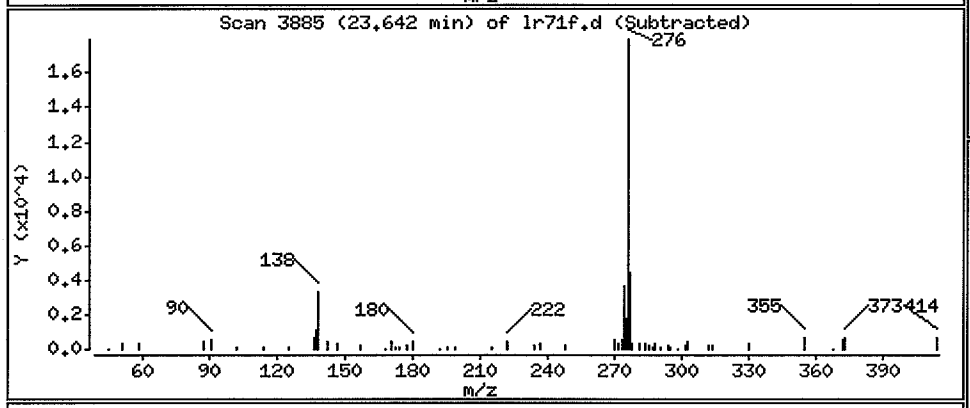
Sample Info: LR71F

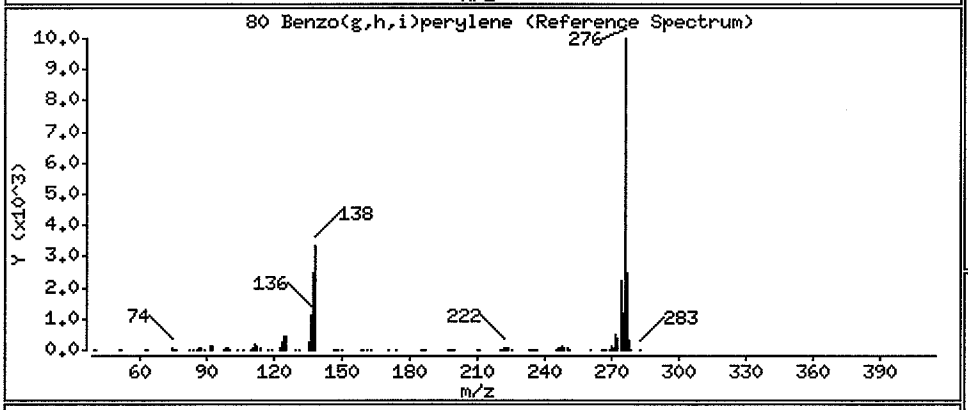
Volume Injected (uL): 1.0 Operator: LJR/VTS

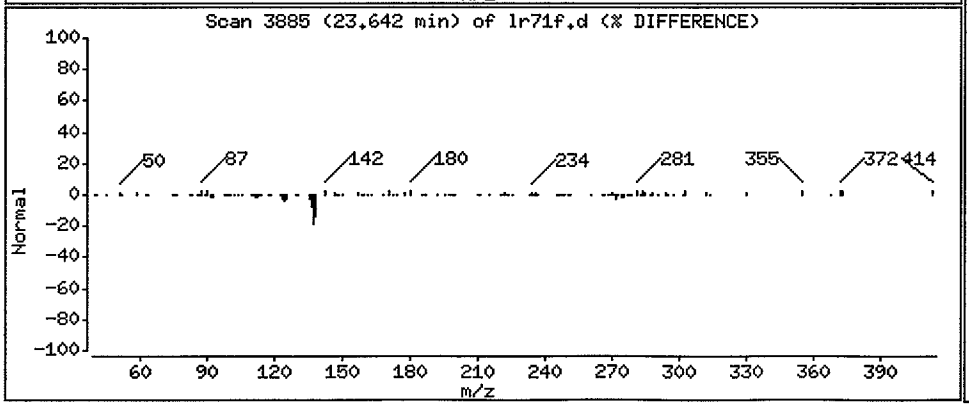
Column phase: ZB-5 Column diameter: 0.32

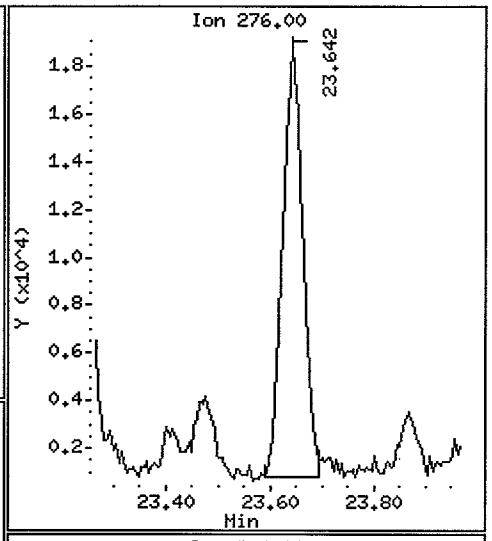
80 Benzo(g,h,i)perylene Concentration: 21.14 ug/kg

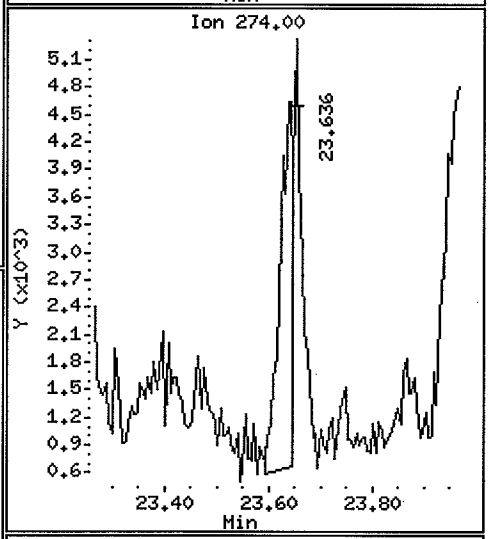


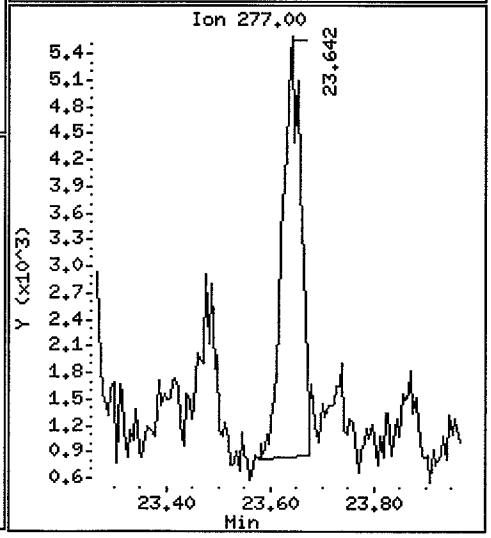












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

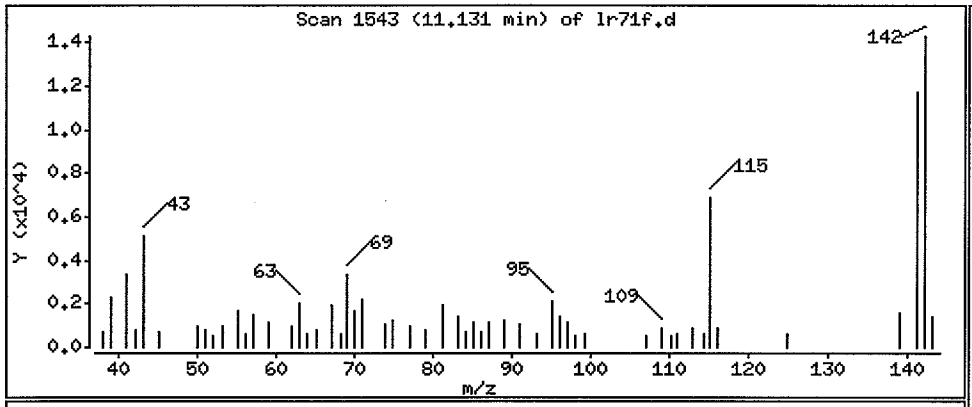
Client ID: AN-SS-11-070928 Instrument: nt6.i

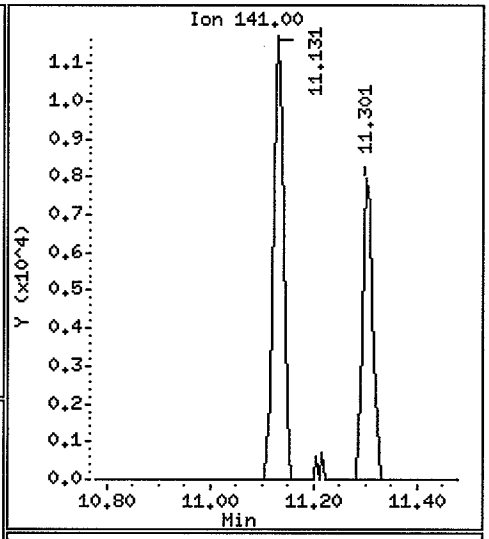
Sample Info: LR71F

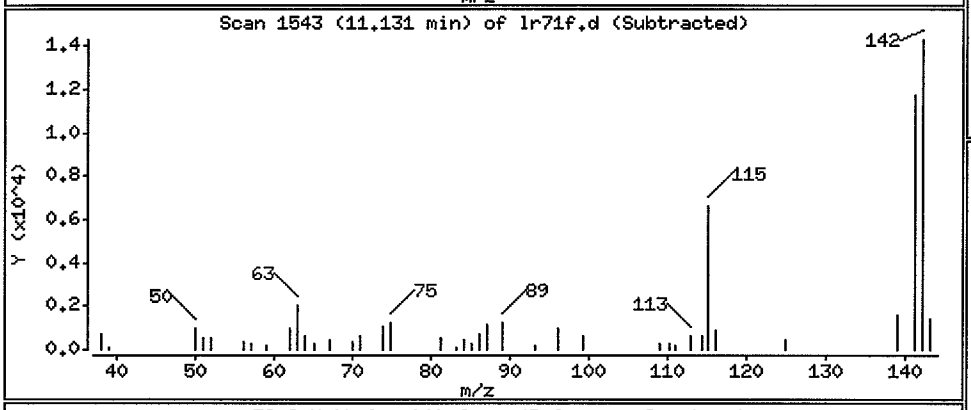
Volume Injected (uL): 1.0 Operator: LJR/VTS

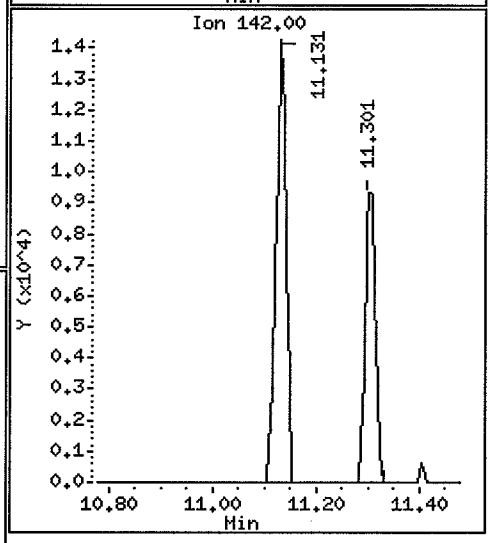
Column phase: ZB-5 Column diameter: 0.32

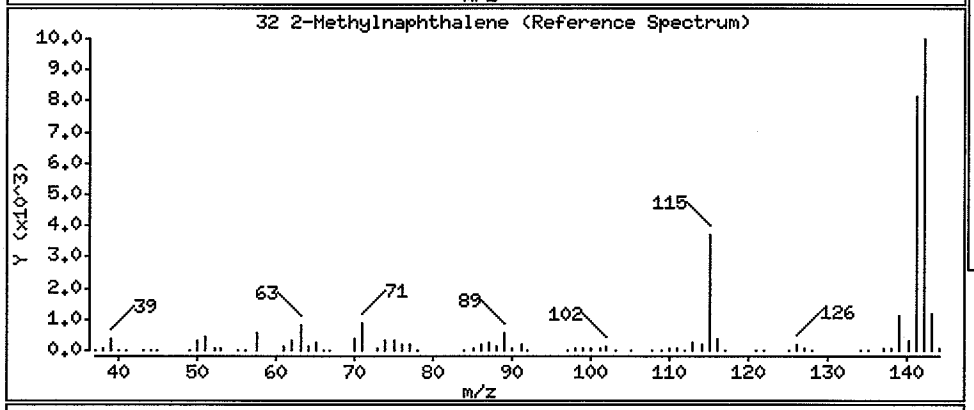
32 2-Methylnaphthalene Concentration: 16.62 ug/kg

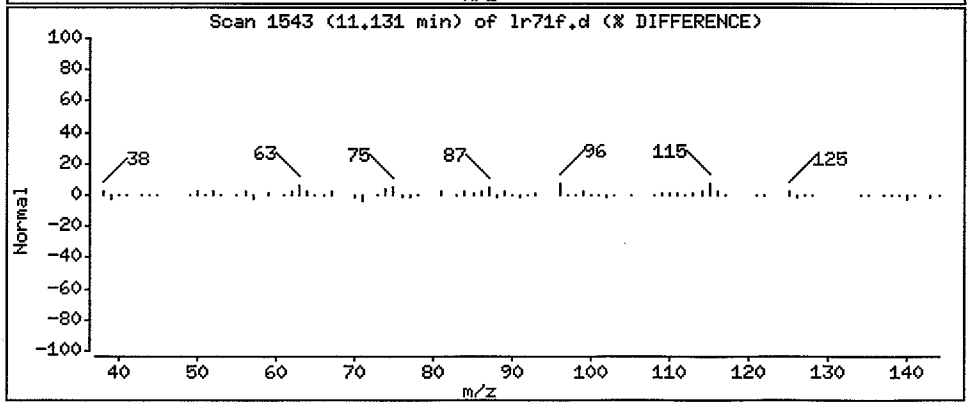












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

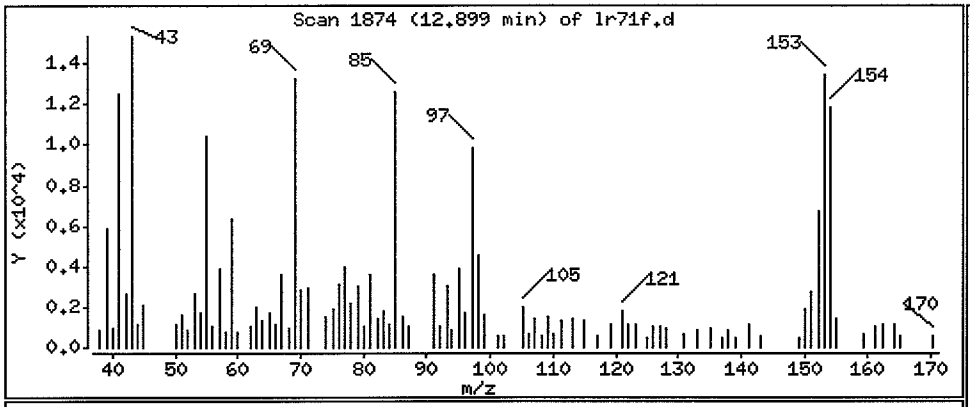
Client ID: AN-SS-11-070928 Instrument: nt6.i

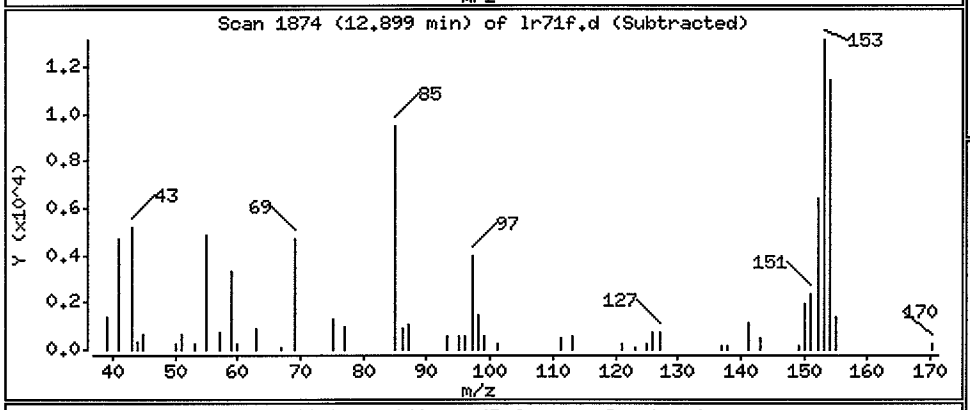
Sample Info: LR71F

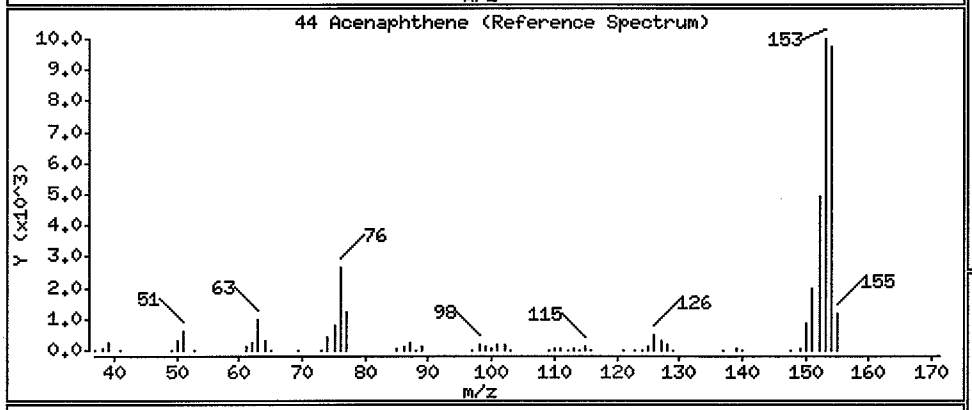
Volume Injected (uL): 1.0 Operator: LJR/VTS

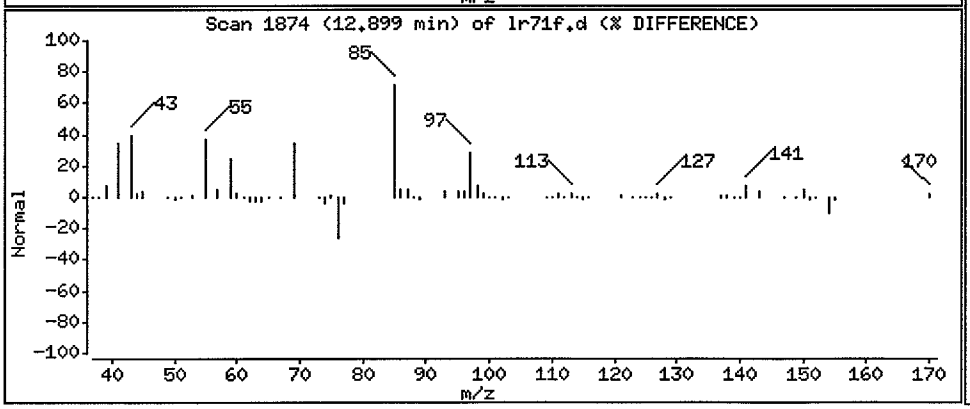
Column phase: ZB-5 Column diameter: 0.32

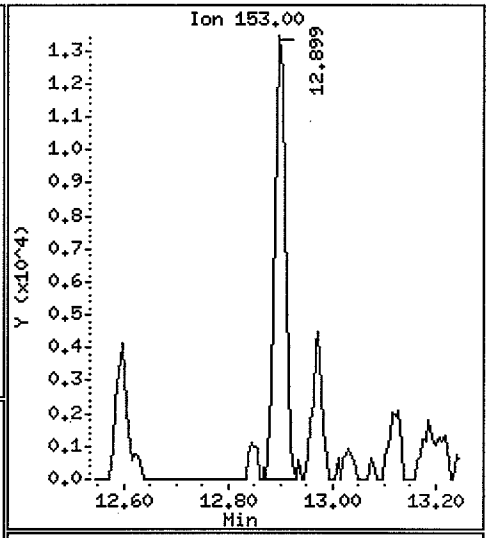
44 Acenaphthene Concentration: 16.05 ug/kg

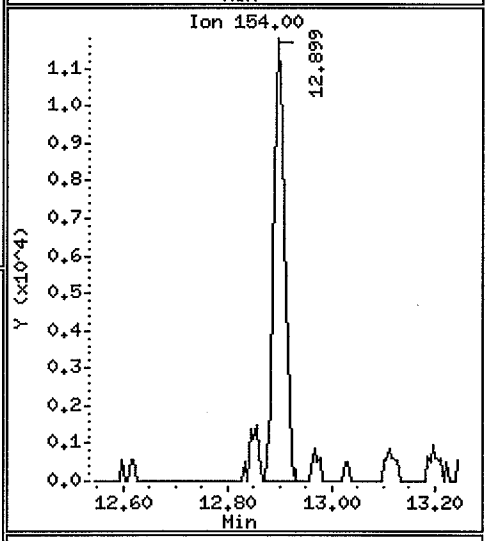


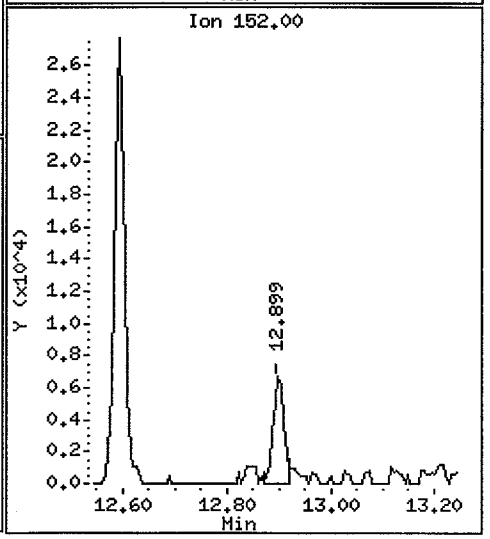












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

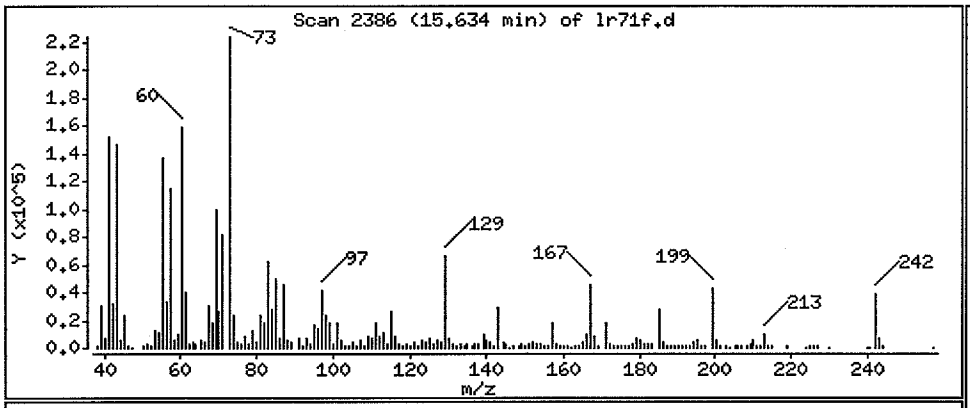
Client ID: AN-SS-11-070928 Instrument: nt6.i

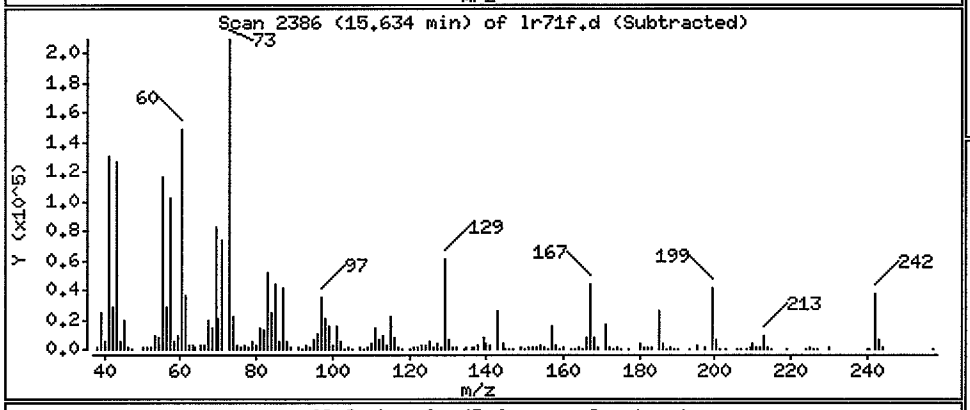
Sample Info: LR71F

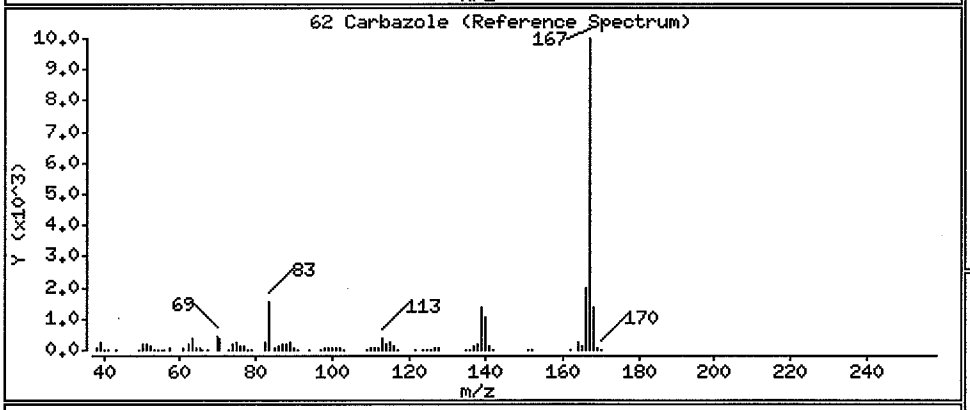
Volume Injected (uL): 1.0 Operator: LJR/VTS

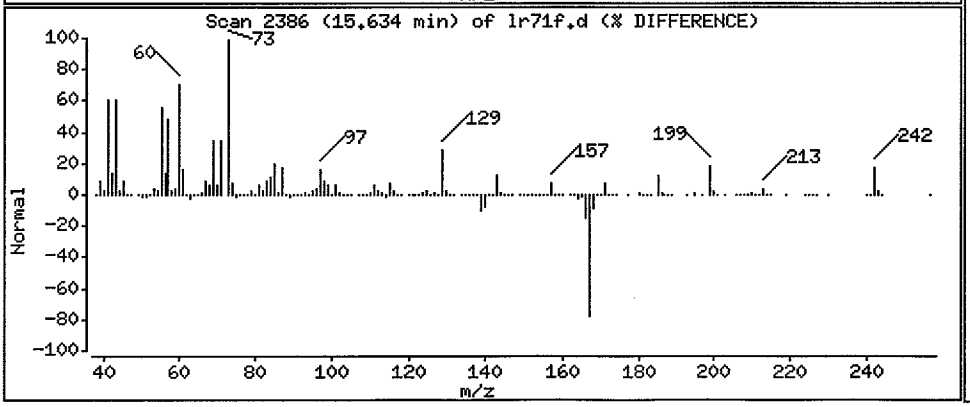
Column phase: ZB-5 Column diameter: 0.32

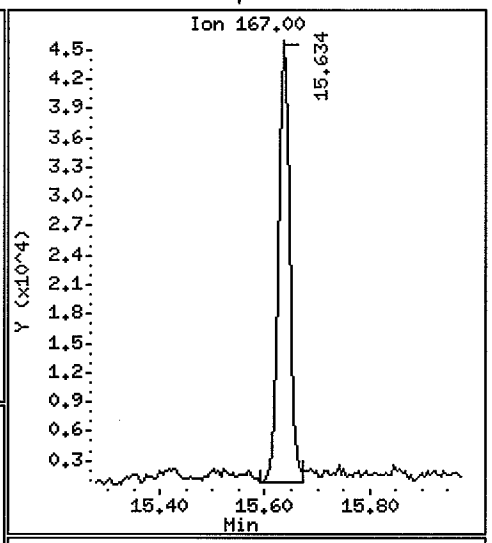
62 Carbazole Concentration: 36.35 ug/kg

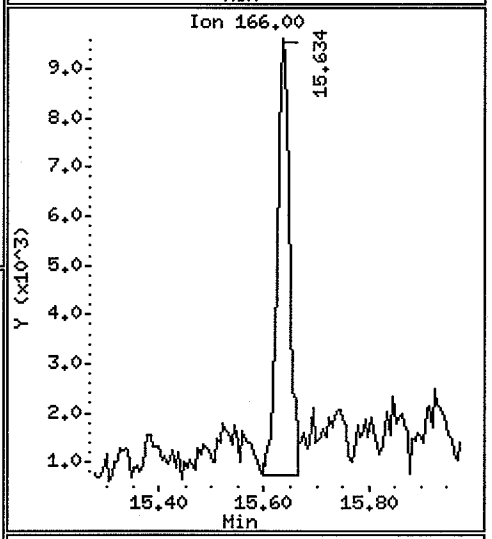


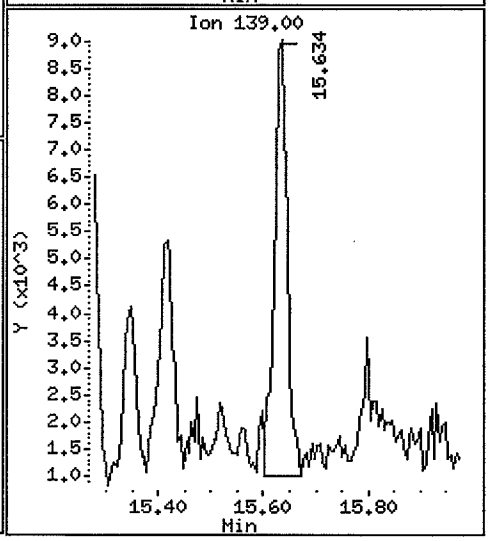












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

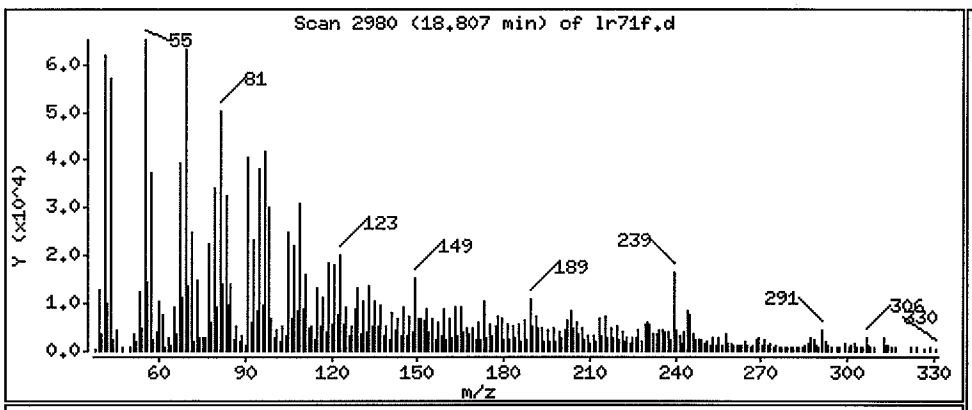
Client ID: AN-SS-11-070928 Instrument: nt6.i

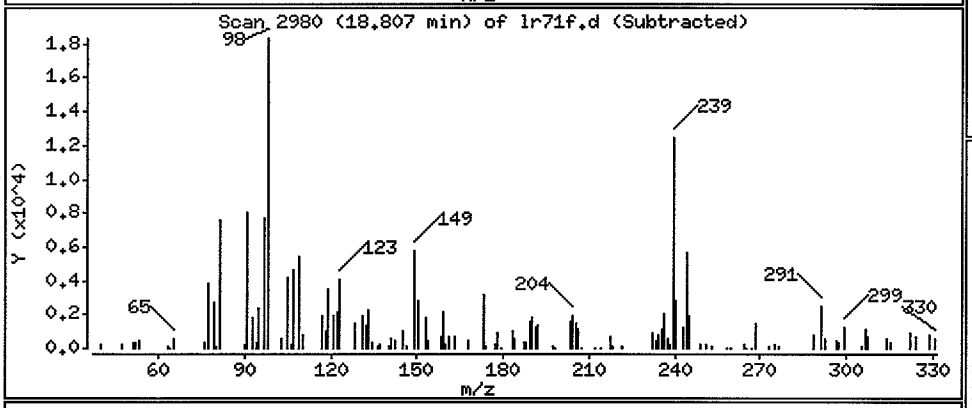
Sample Info: LR71F

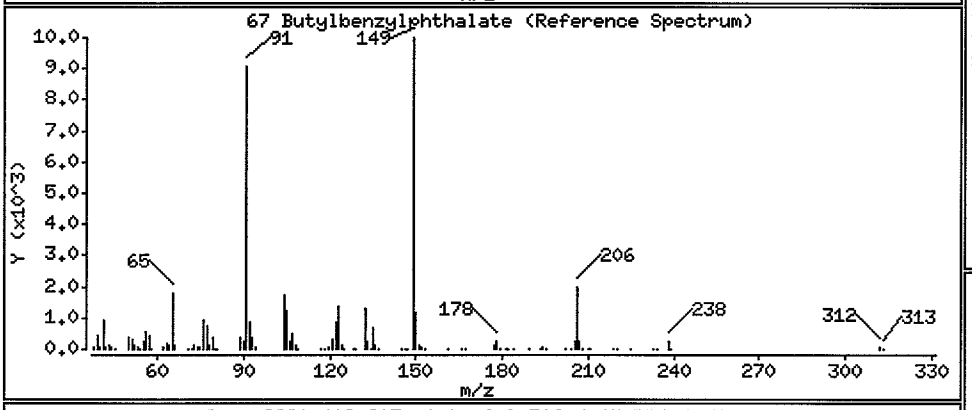
Volume Injected (uL): 1.0 Operator: LJR/VTS

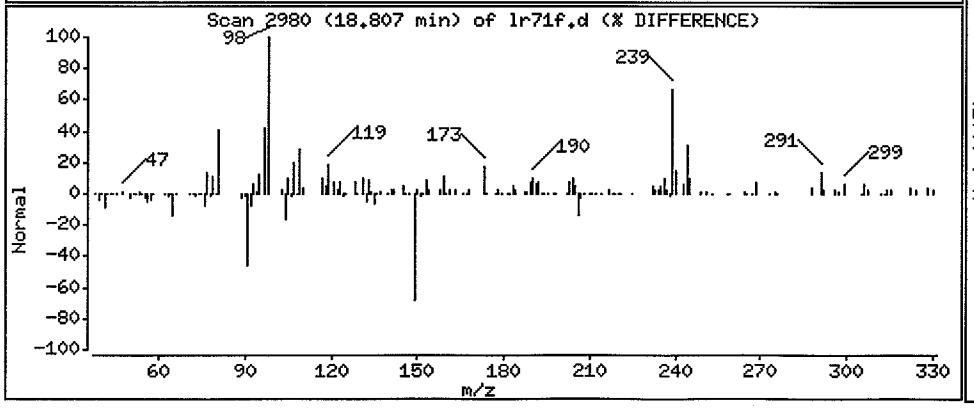
Column phase: ZB-5 Column diameter: 0.32

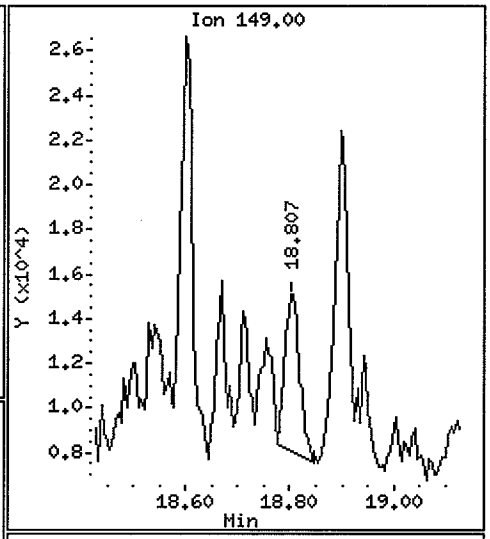
67 Butylbenzylphthalate Concentration: 10.43 ug/kg

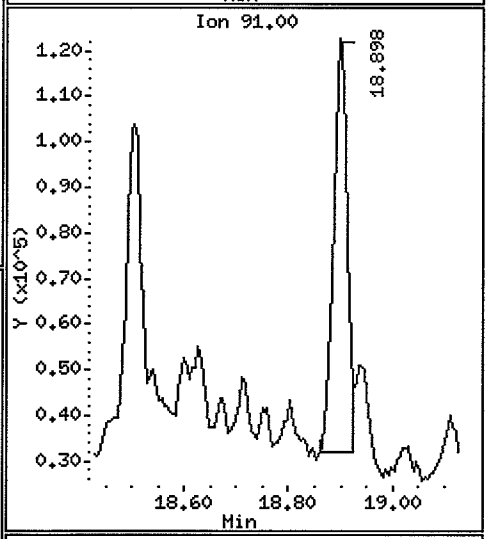


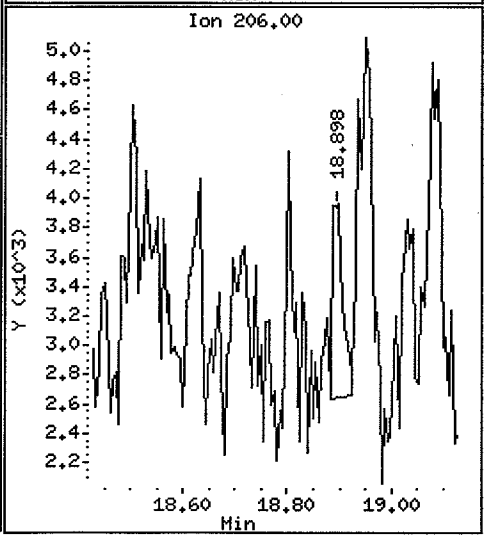












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F

Volume Injected (uL): 1.0

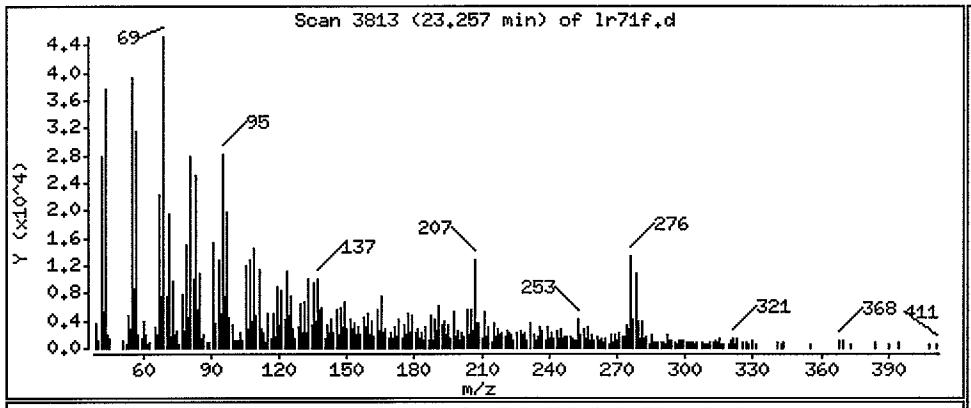
Operator: LJR/VTS

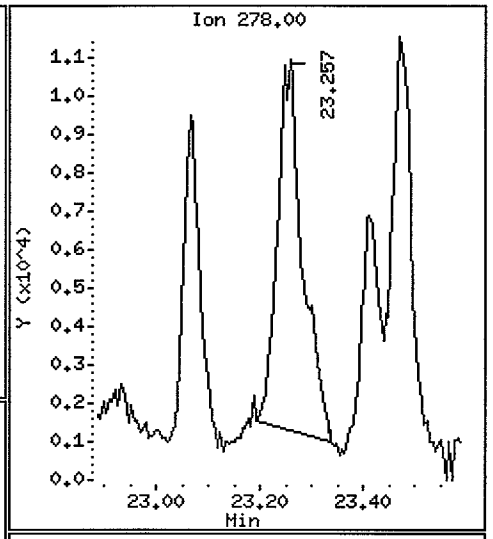
Column phase: ZB-5

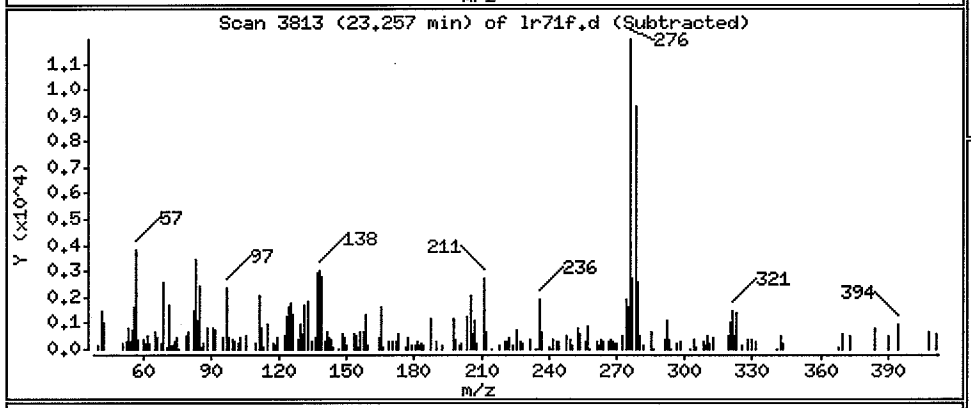
Column diameter: 0.32

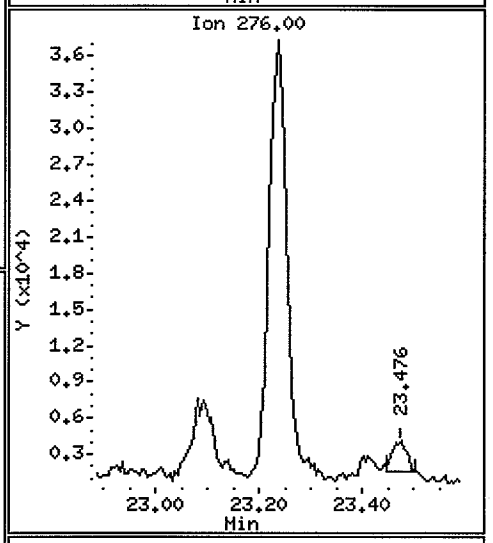
79 Dibenzo(a,h)anthracene

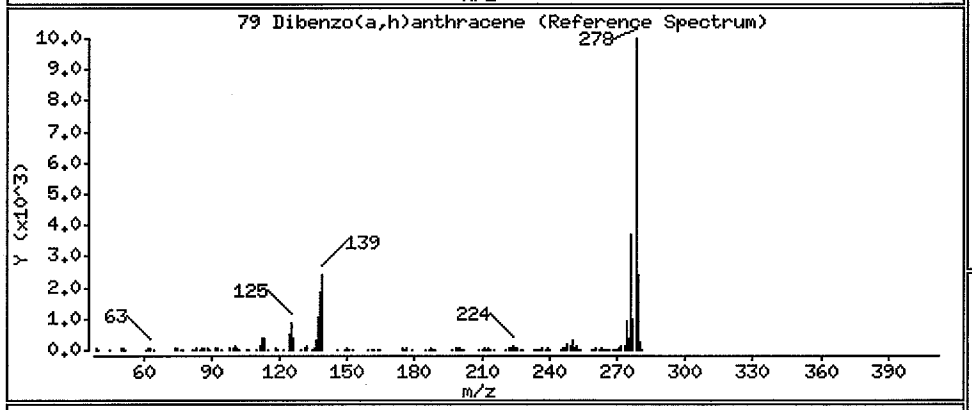
Concentration: 16.76 ug/kg

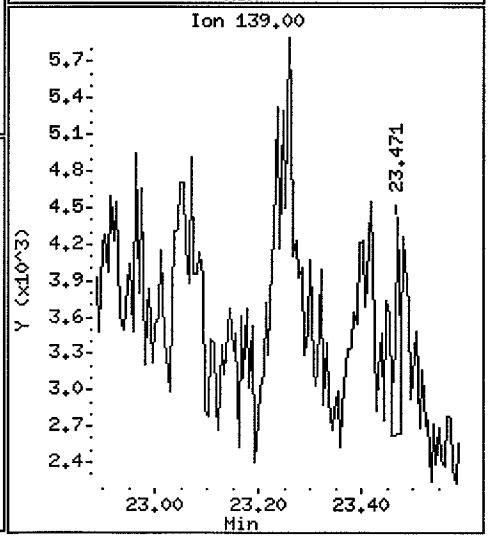


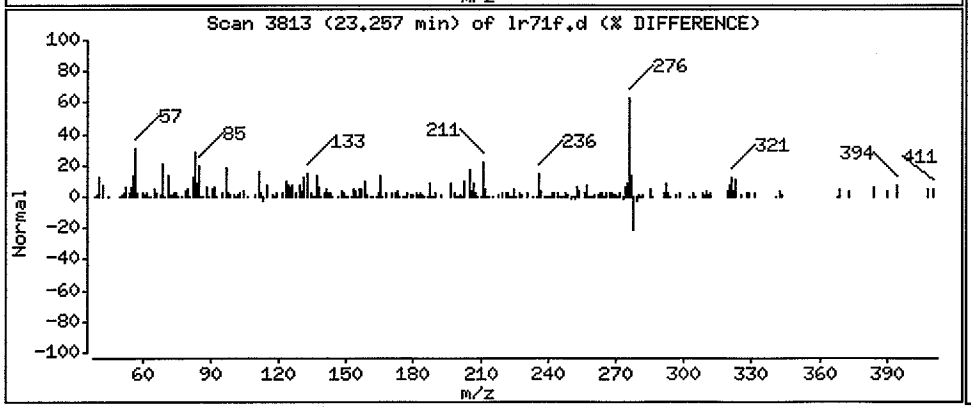












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F

Volume Injected (uL): 1.0

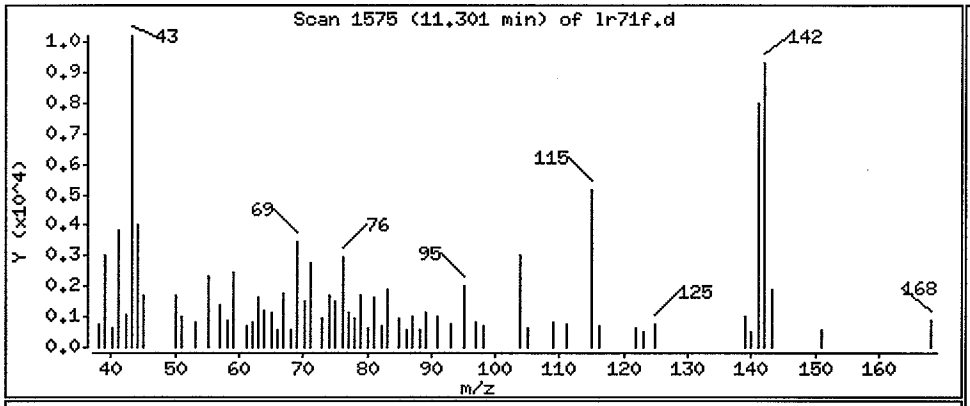
Operator: LJR/VTS

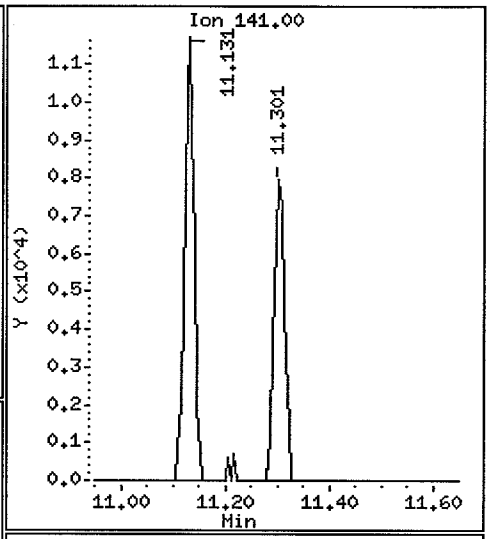
Column phase: ZB-5

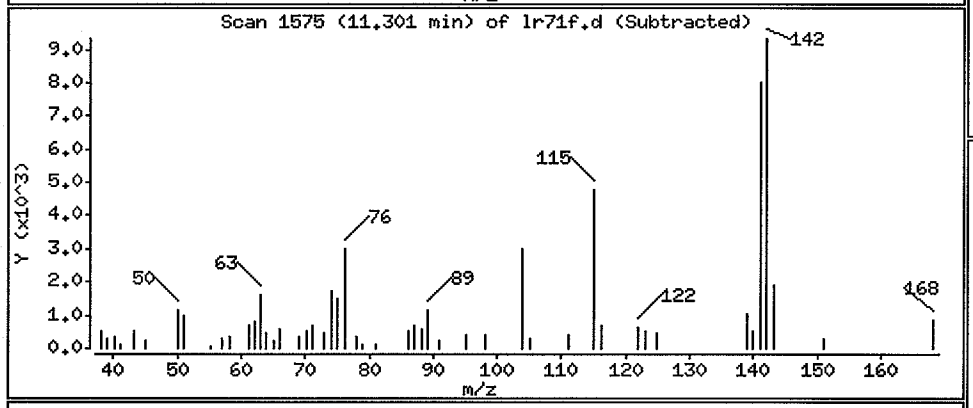
Column diameter: 0.32

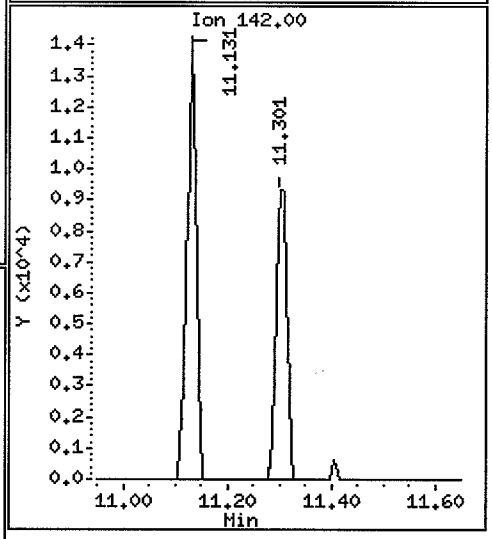
105 1-methylnaphthalene

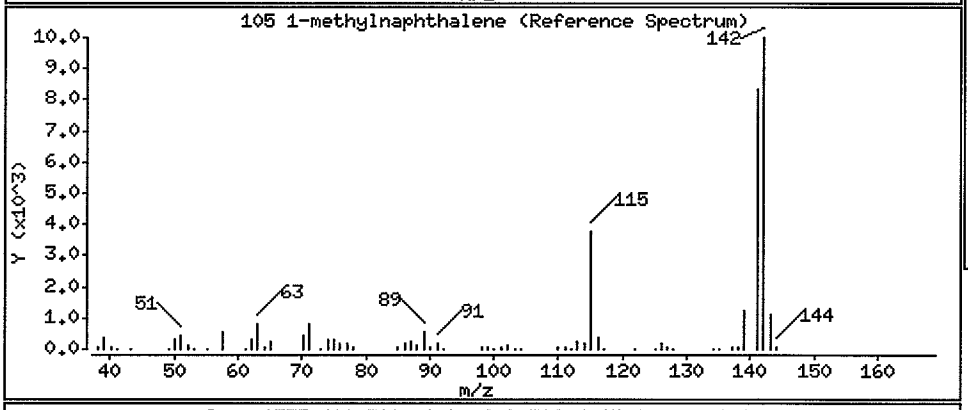
Concentration: 12.02 ug/kg

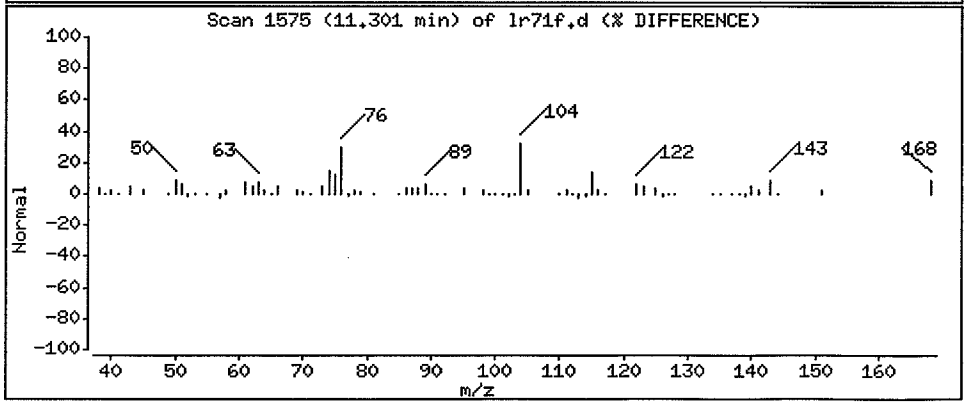












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS
Page 1 of 2

Sample ID: AN-SS-11-070928
DILUTION

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

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

Date Extracted: 10/10/07
Date Analyzed: 10/19/07 17:51
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 32.9%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
106-46-7	1,4-Dichlorobenzene	60	< 60 U
100-51-6	Benzyl Alcohol	60	< 60 U
95-50-1	1,2-Dichlorobenzene	60	< 60 U
95-48-7	2-Methylphenol	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
105-67-9	2,4-Dimethylphenol	60	< 60 U
65-85-0	Benzoic Acid	600	< 600 U
120-82-1	1,2,4-Trichlorobenzene	30	< 30 UJ
91-20-3	Naphthalene	60	< 60 U
87-68-3	Hexachlorobutadiene	60	< 60 U
91-57-6	2-Methylnaphthalene	60	< 60 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
83-32-9	Acenaphthene	60	< 60 U
132-64-9	Dibenzofuran	60	< 60 U
84-66-2	Diethylphthalate	60	< 60 U
86-73-7	Fluorene	60	< 60 U
86-30-6	N-Nitrosodiphenylamine	60	< 60 U
118-74-1	Hexachlorobenzene	30	< 30 UJ
87-86-5	Pentachlorophenol	300	< 300 U
85-01-8	**Phenanthrene**	**60**	**300**
120-12-7	**Anthracene**	**60**	**120**
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	**Fluoranthene**	**60**	**2,600**
129-00-0	**Pyrene**	**60**	**1,400**
85-68-7	Butylbenzylphthalate	60	< 60 U
56-55-3	**Benzo(a)anthracene**	**60**	**530**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**60**	**270**
218-01-9	**Chrysene**	**60**	**690**
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	**Benzo(b)fluoranthene**	**60**	**290**
207-08-9	**Benzo(k)fluoranthene**	**60**	**300**
50-32-8	**Benzo(a)pyrene**	**60**	**220**
193-39-5	Indeno(1,2,3-cd)pyrene	60	< 60 U
53-70-3	Dibenz(a,h)anthracene	60	< 60 U
191-24-2	Benzo(g,h,i)perylene	60	< 60 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-11-070928**
 DILUTION

Lab Sample ID: LR71F QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-20771 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 10/19/07 17:51

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	60	< 60 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	51.0%	2-Fluorobiphenyl	50.0%
d14-p-Terphenyl	57.5%	d4-1,2-Dichlorobenzene	44.5%
d5-Phenol	46.2%	2-Fluorophenol	54.6%
2,4,6-Tribromophenol	48.2%	d4-2-Chlorophenol	49.9%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071019.b/lr71fdl.d
Lab Smp Id: LR71F Client Smp ID: AN-SS-11-070928
Inj Date : 19-OCT-2007 17:51
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71F,3
Misc Info : 07-20771
Comment : 1ul Injection
Method : /chem1/nt6.i/20071019.b/SW846.m
Meth Date : 25-Oct-2007 16:08 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 17
Dil Factor: 3.00000
Integrator: HP RTE Compound Sublist: SONIC.sub
Target Version: 3.50

LJR 10/25/07

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

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	75.00000	Weight of sample extracted (g)
M	32.90000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1	2-Fluorophenol	112	5.857	5.847	(0.748)	79476	6.82258	406.7
$ 2	Phenol-d5	99	7.422	7.428	(0.947)	85945	5.77554	344.3
3	Phenol	94	Compound Not Detected.					
$ 5	2-Chlorophenol-d4	132	7.529	7.535	(0.961)	61851	6.24060	372.0
4	Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6	2-Chlorophenol	128	Compound Not Detected.					
7	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8	1,4-Dichlorobenzene-d4	152	7.833	7.839	(1.000)	158077	20.0000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	8.133	8.138	(1.038)	27554	3.70739	221.0
12	1,2-Dichlorobenzene	146	Compound Not Detected.					
11	Benzyl alcohol	108	Compound Not Detected.					
14	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13	2-Methylphenol	108	Compound Not Detected.					
17	Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	8.624	8.619	(1.101)	6427	0.57896 LOL	34.51
$	18 Nitrobenzene-d5	82	8.768	8.779	(0.886)	63964	4.24507	253.1
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.896	9.907	(1.000)	468974	20.0000	
	28 Naphthalene	128	9.928	9.933	(1.003)	21327	0.73775 LOL	43.98
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	11.712	11.723	(0.916)	83366	4.17463	248.9
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.780	12.786	(1.000)	256484	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	13.651	13.662	(1.068)	10919	0.59445 LOL	35.44
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	14.084	14.089	(1.102)	15002	6.02868	359.4
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	15.163	15.174	(1.000)	447168	20.0000	
	60 Phenanthrene	178	15.200	15.211	(1.002)	142286	4.95932	295.6
	61 Anthracene	178	15.275	15.281	(1.007)	59952	2.08690	124.4
	62 Carbazole	167	15.569	15.575	(1.027)	15306	0.59897 LOL	35.71

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	63 Di-n-butylphthalate	149	16.295	16.312	(1.075)	17245	0.57877	34.50(M)
	64 Fluoranthene	202	17.156	17.156	(1.131)	1416457	43.1718	2574
	65 Pyrene	202	17.508	17.514	(0.898)	1026228	23.6441	1409
$	66 Terphenyl-d14	244	17.834	17.840	(0.914)	130050	4.78705	285.4
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	19.479	19.485	(0.999)	418471	8.83790	526.8
*	69 Chrysene-d12	240	19.506	19.512	(1.000)	604323	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	19.543	19.554	(1.002)	491129	11.5422	688.1
	72 bis(2-Ethylhexyl)phthalate	149	19.741	19.747	(0.955)	114262	4.45726	265.7
*	134 Di-n-octylphthalate-d4	153	20.676	20.687	(1.000)	847787	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	21.141	21.152	(0.976)	182814	4.93335	294.1
	75 Benzo(k)fluoranthene	252	21.167	21.184	(0.977)	195472	4.98652	297.3(M)
	76 Benzo(a)pyrene	252	21.590	21.600	(0.996)	128044	3.76407	224.4
*	77 Perylene-d12	264	21.670	21.675	(1.000)	516042	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	23.133	23.155	(1.068)	39188	0.97136	57.91(M)
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	23.534	23.561	(1.086)	28723	0.71196	42.44(M)
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: lr71fdl.d
Lab Smp Id: LR71F
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071019.b/SW846.m
Misc Info: 07-20771

Calibration Date: 19-OCT-2007
Calibration Time: 09:25
Client Smp ID: AN-SS-11-070928
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	158077	-25.46
27 Naphthalene-d8	656578	328289	1313156	468974	-28.57
42 Acenaphthene-d10	353705	176852	707410	256484	-27.49
59 Phenanthrene-d10	526440	263220	1052880	447168	-15.06
69 Chrysene-d12	581923	290962	1163846	604323	3.85
134 Di-n-octylphthala	979097	489548	1958194	847787	-13.41
77 Perylene-d12	686531	343266	1373062	516042	-24.83

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.84	7.34	8.34	7.83	-0.07
27 Naphthalene-d8	9.91	9.41	10.41	9.90	-0.11
42 Acenaphthene-d10	12.79	12.29	13.29	12.78	-0.04
59 Phenanthrene-d10	15.17	14.67	15.67	15.16	-0.07
69 Chrysene-d12	19.51	19.01	20.01	19.51	-0.03
134 Di-n-octylphthala	20.69	20.19	21.19	20.68	-0.05
77 Perylene-d12	21.68	21.18	22.18	21.67	-0.03

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

Analytical Resources, Inc.

RECOVERY REPORT

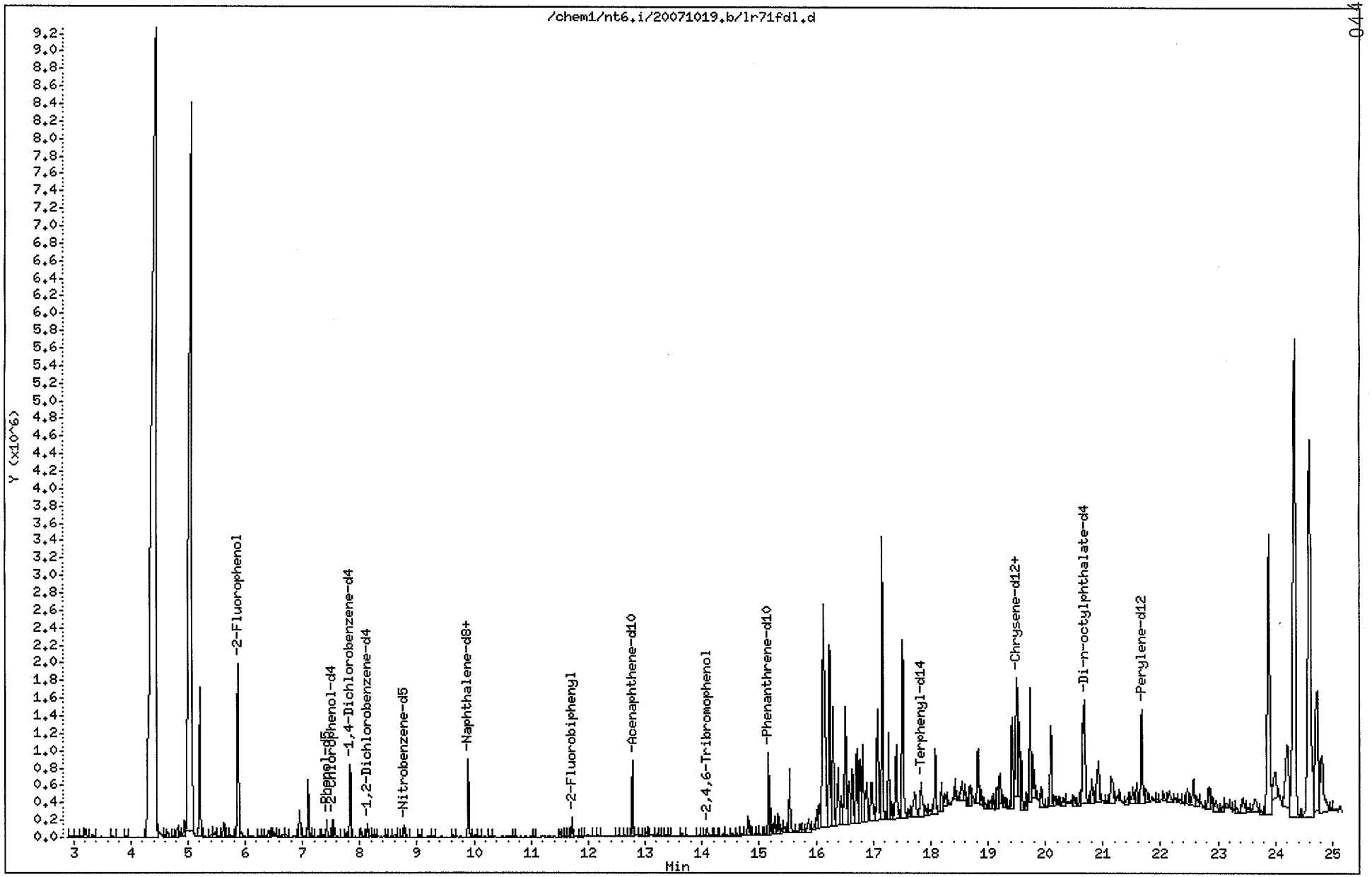
Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71F
Level: LOW
Data Type: MS DATA
SpikeList File: SONICLCS.spk
Sublist File: SONIC.sub
Method File: /chem1/nt6.i/20071019.b/SW846.m
Misc Info: 07-20771

Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-11-070928
Operator: LJR/VTS
SampleType: SAMPLE
Quant Type: ISTD

	SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1	2-Fluorophenol	745.2	406.7	54.58	25-99
$ 2	Phenol-d5	745.2	344.3	46.20	35-98
$ 5	2-Chlorophenol-d4	745.2	372.0	49.92	35-99
$ 10	1,2-Dichlorobenzen	496.8	221.0	44.49	35-90
$ 18	Nitrobenzene-d5	496.8	253.1	50.94	34-94
$ 36	2-Fluorobiphenyl	496.8	248.9	50.10	41-95
$ 55	2,4,6-Tribromophen	745.2	359.4	48.23	37-114
$ 66	Terphenyl-d14	496.8	285.4	57.44	30-114

Data File: /chem1/nt6.i/20071019.b/lr71fdl.d
Date : 19-OCT-2007 17:51
Client ID: AN-SS-11-070928
Sample Info: LR71F,3
Volume Injected (uL): 1.0
Column phase: ZB-5

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



Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

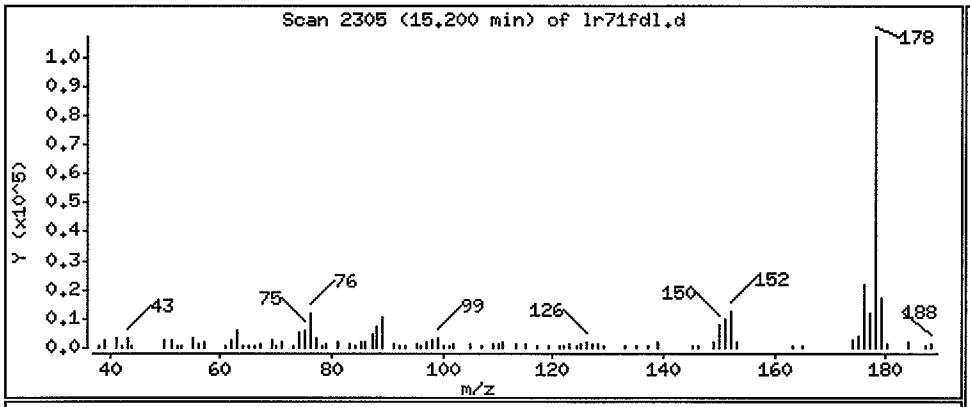
Client ID: AN-SS-11-070928 Instrument: nt6.i

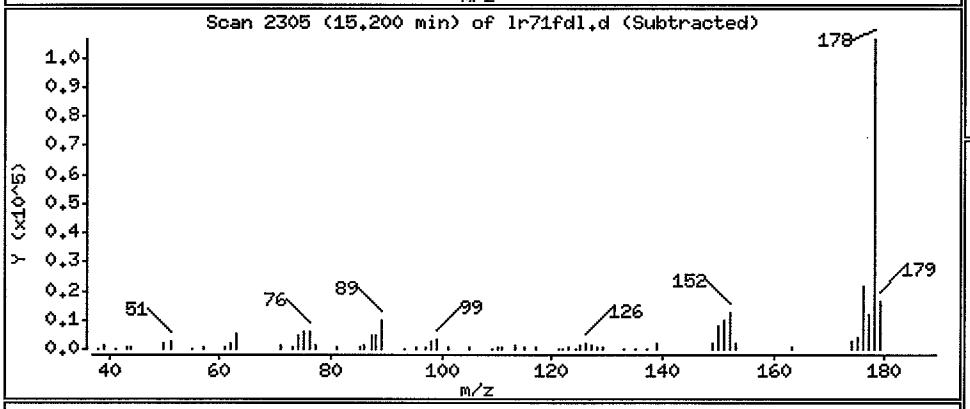
Sample Info: LR71F,3

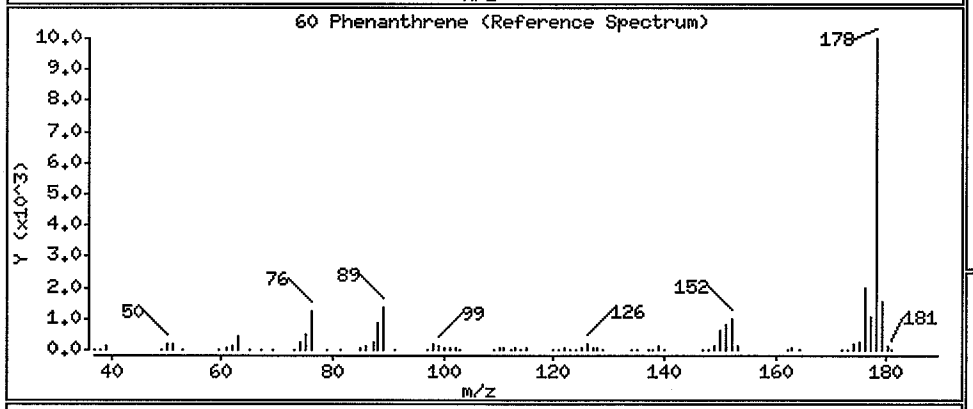
Volume Injected (uL): 1.0 Operator: LJR/VTS

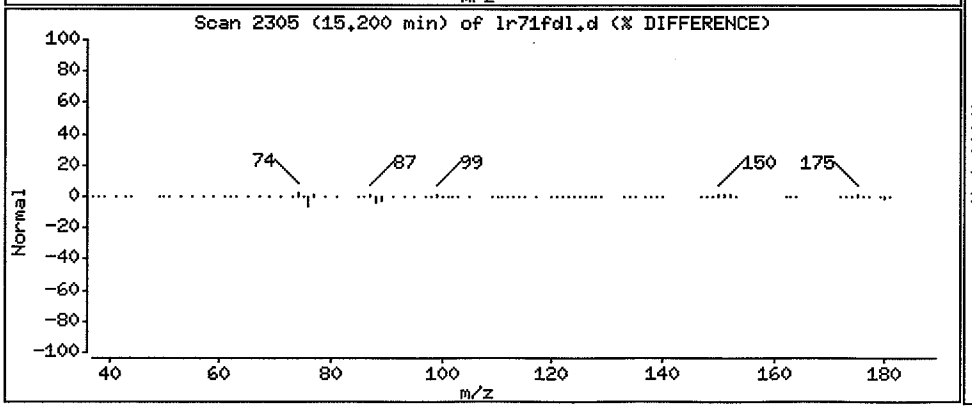
Column phase: ZB-5 Column diameter: 0.32

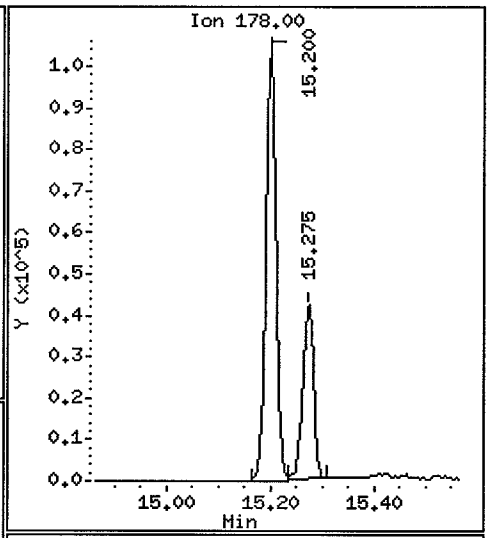
60 Phenanthrene Concentration: 295.6 ug/kg

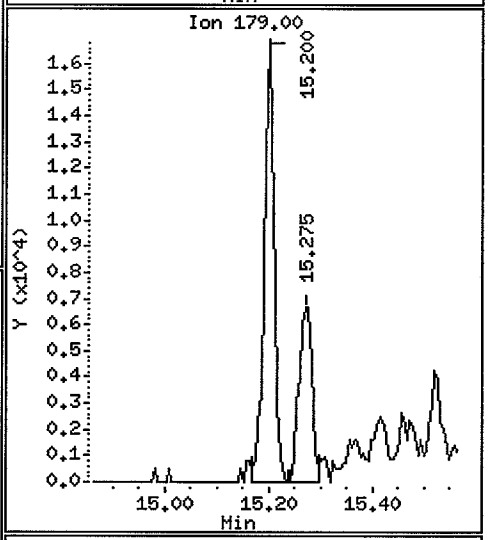


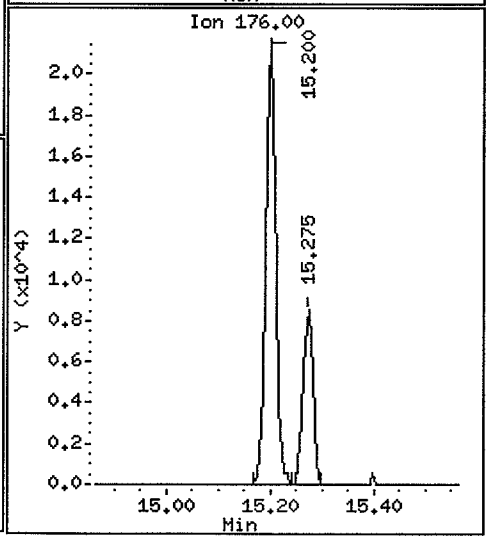












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

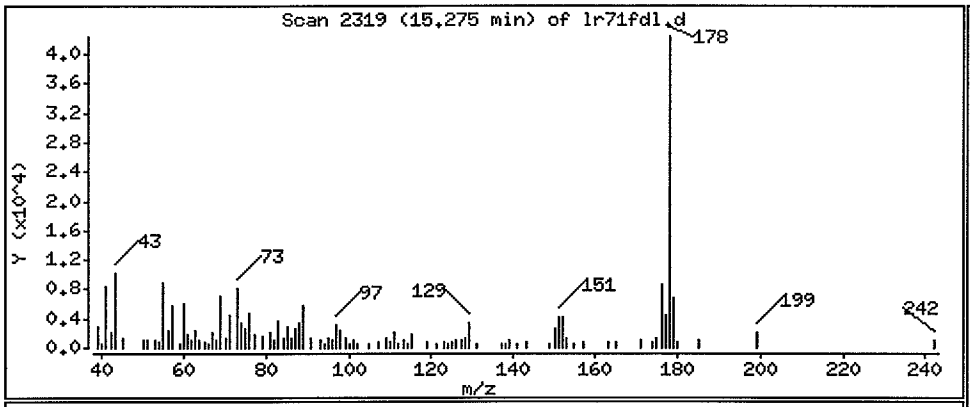
Client ID: AN-SS-11-070928 Instrument: nt6.i

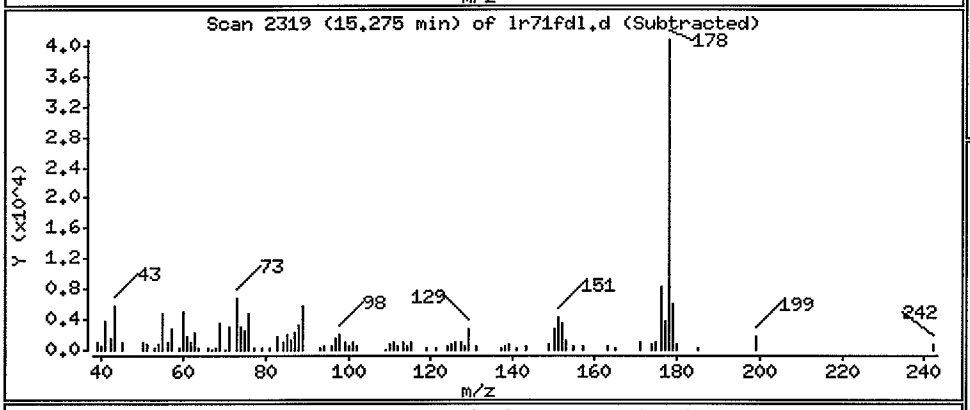
Sample Info: LR71F,3

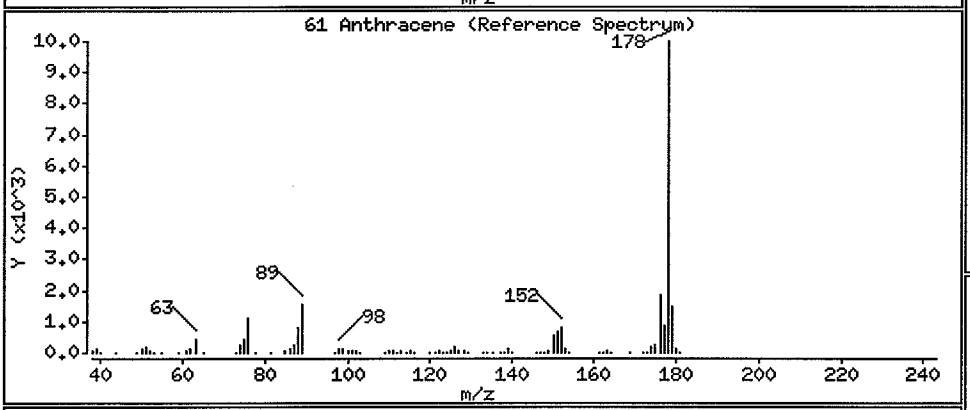
Volume Injected (uL): 1.0 Operator: LJR/VTS

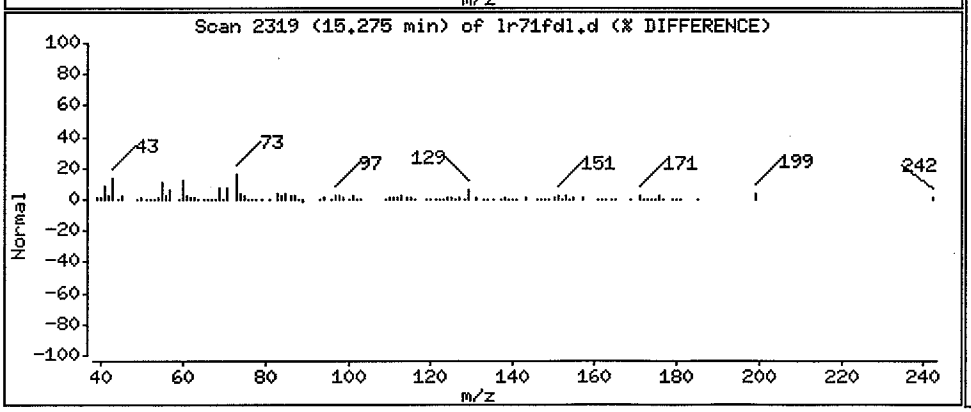
Column phase: ZB-5 Column diameter: 0.32

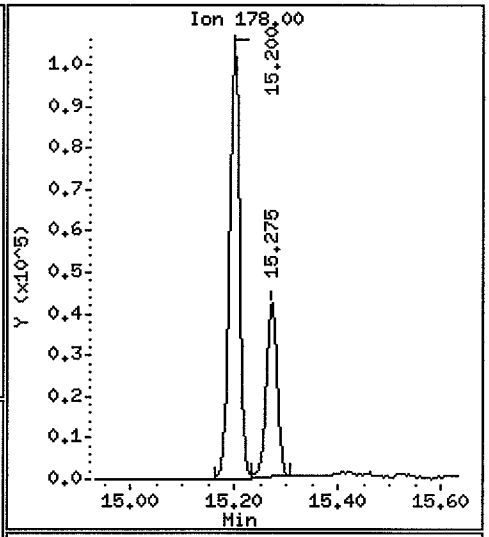
61 Anthracene Concentration: 124.4 ug/kg

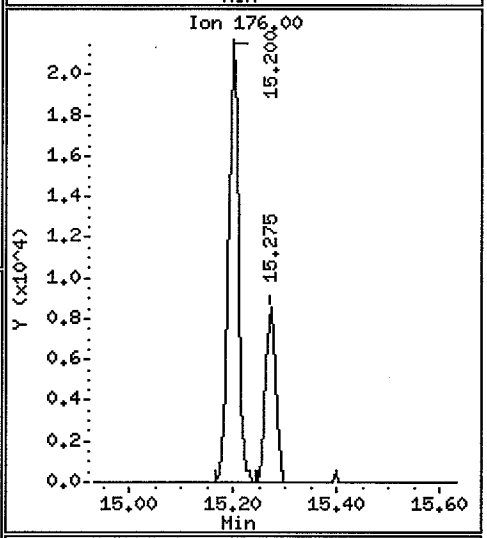


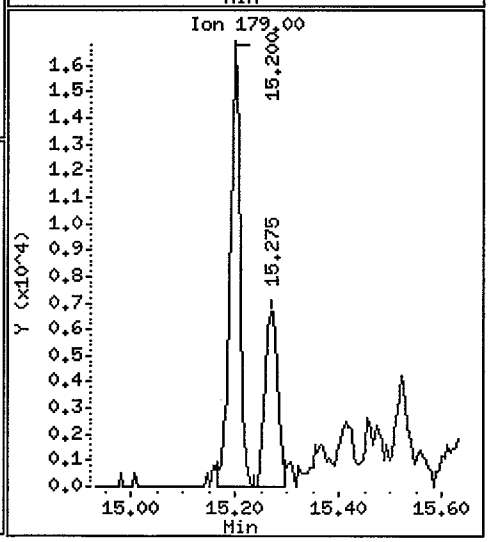












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F,3

Volume Injected (uL): 1.0

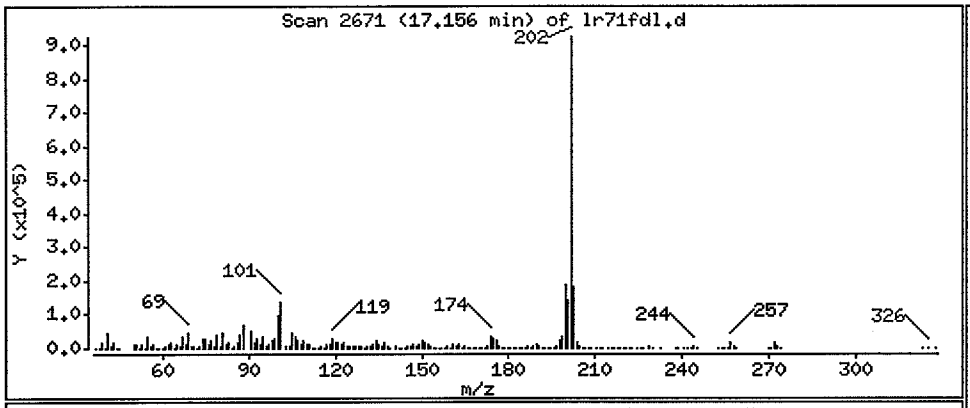
Operator: LJR/VTS

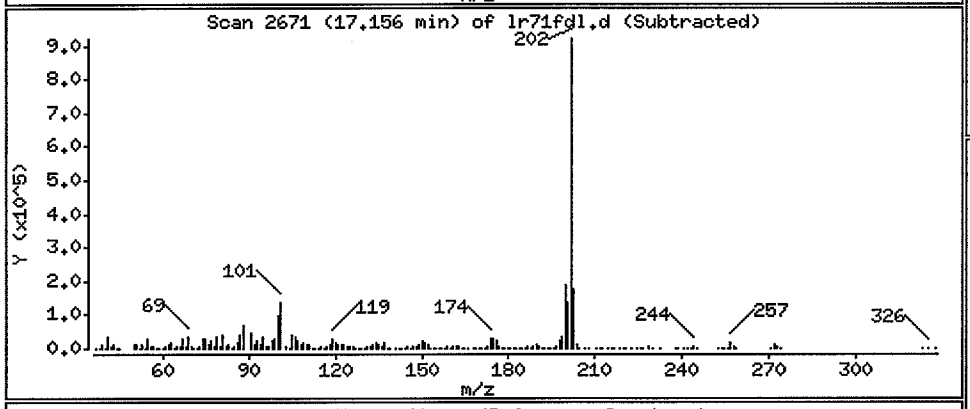
Column phase: ZB-5

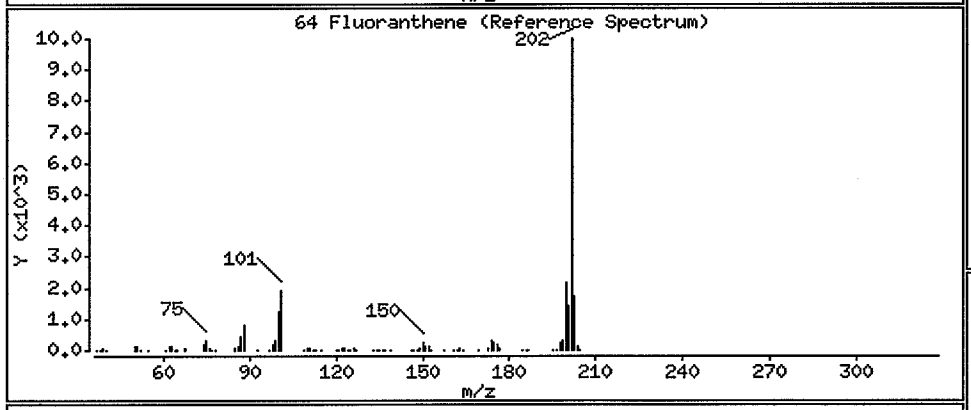
Column diameter: 0.32

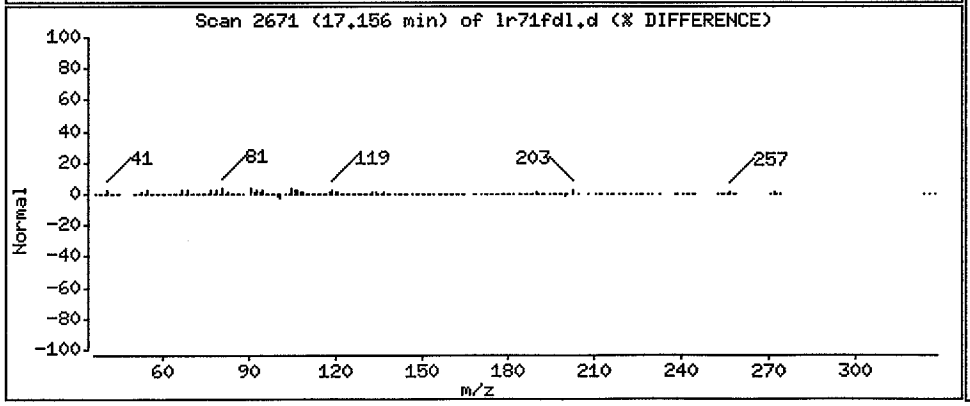
64 Fluoranthene

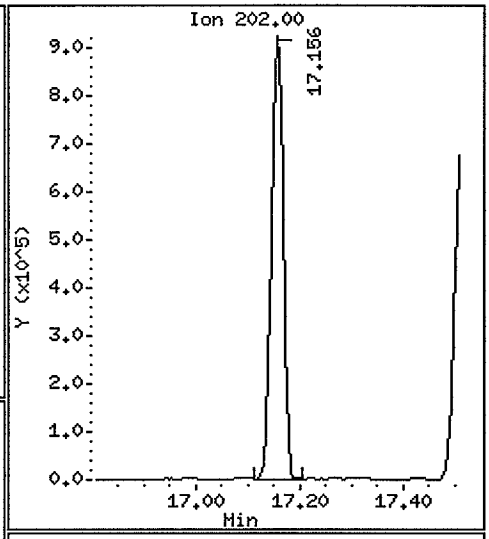
Concentration: 2574 ug/kg

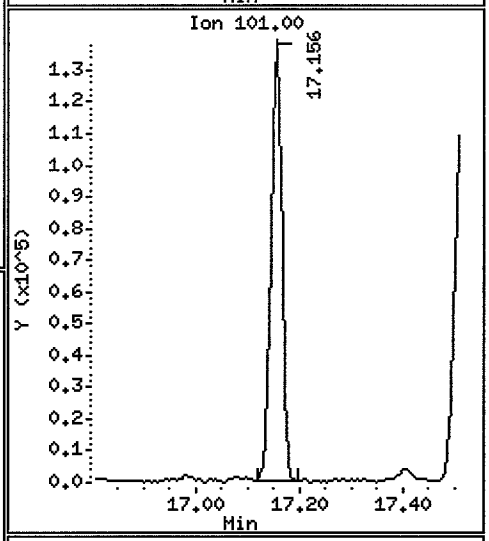


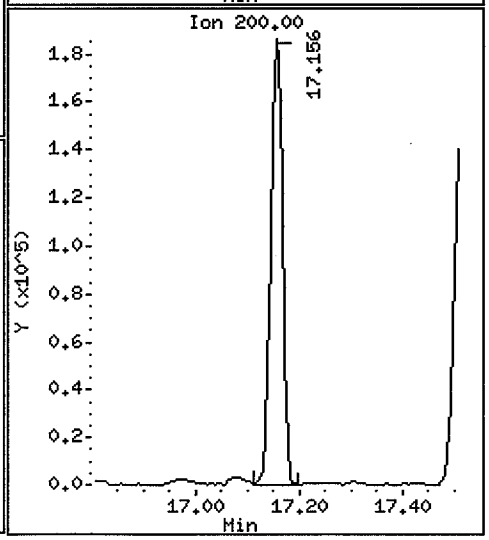












Data File: /chem1/nt6.i/20071019.b/lr71fd1.d

Date : 19-OCT-2007 17:51

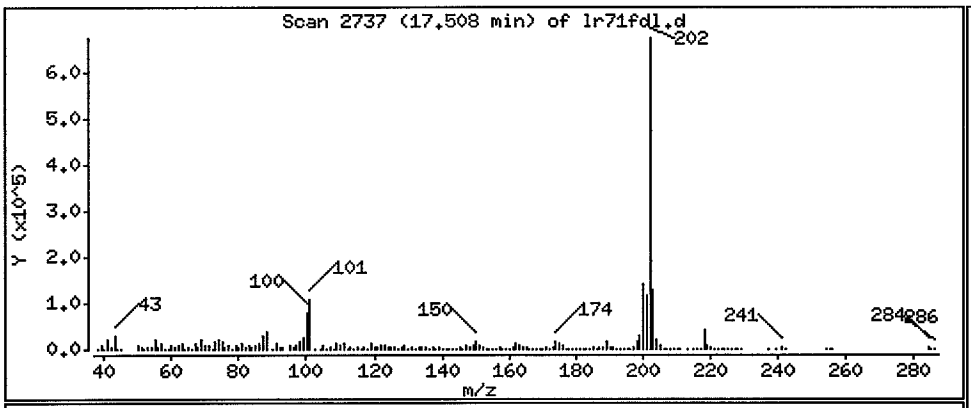
Client ID: AN-SS-11-070928 Instrument: nt6.i

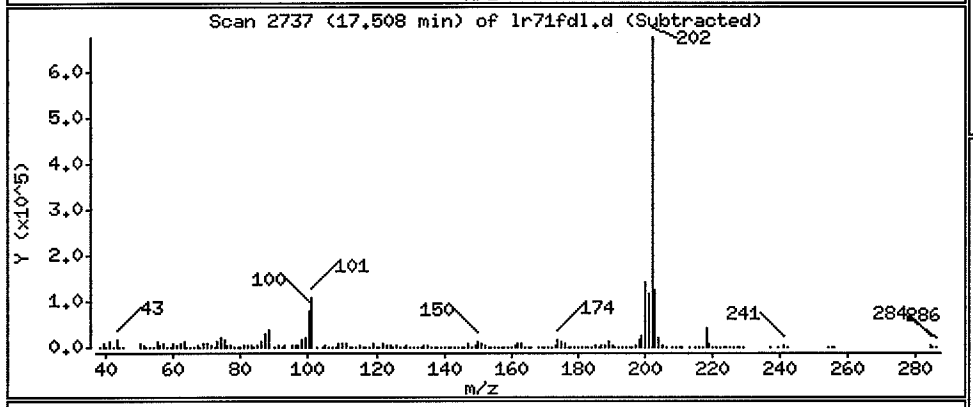
Sample Info: LR71F,3

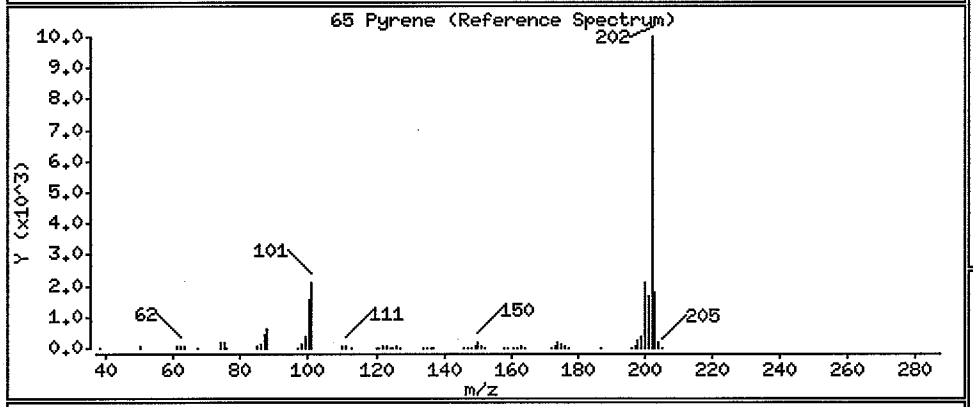
Volume Injected (uL): 1.0 Operator: LJR/VTS

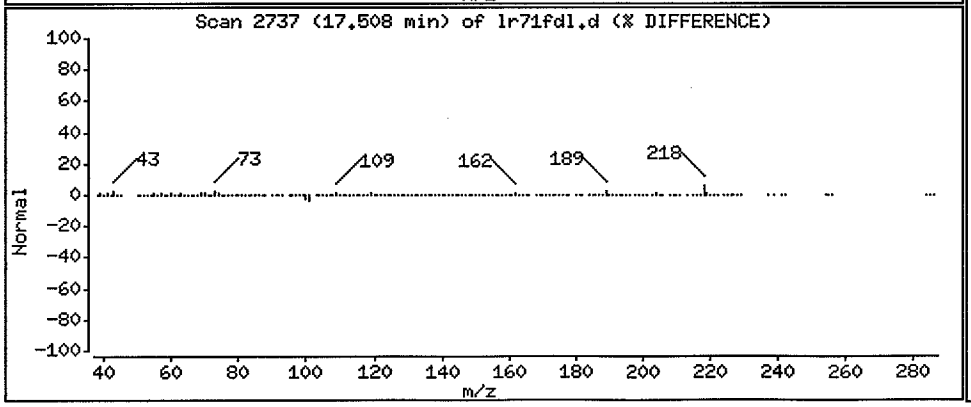
Column phase: ZB-5 Column diameter: 0.32

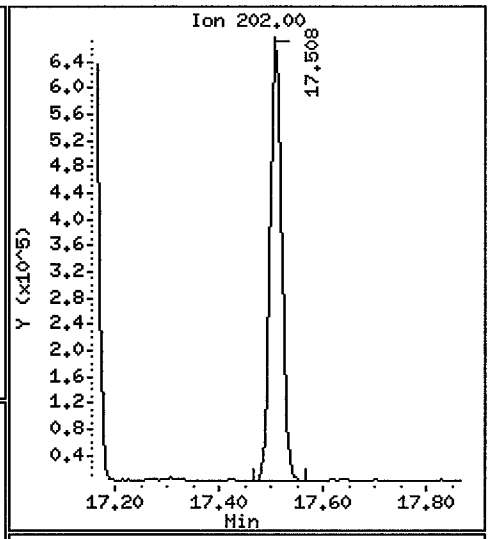
65 Pyrene Concentration: 1409 ug/kg

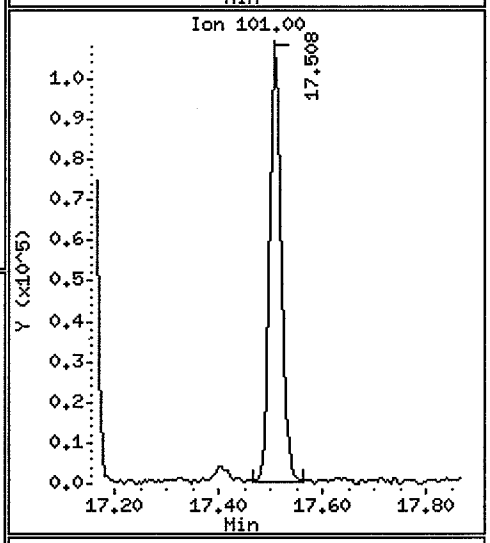


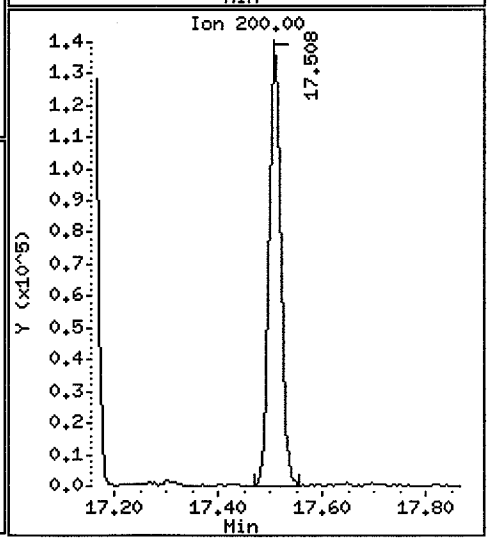












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

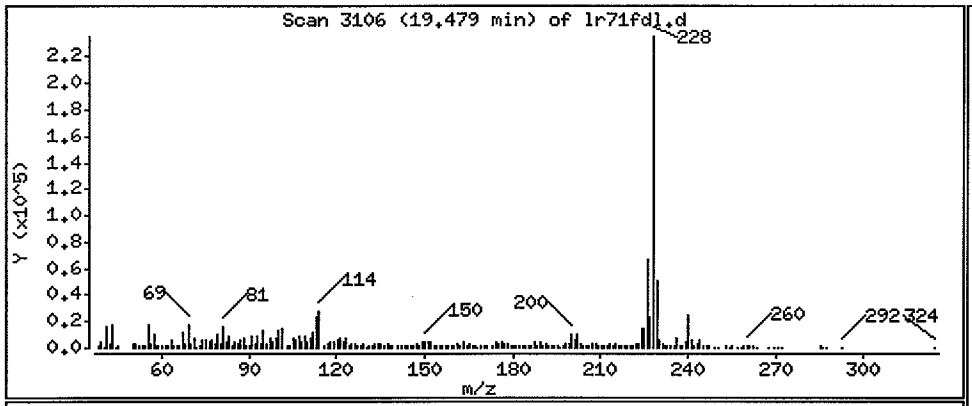
Client ID: AN-SS-11-070928 Instrument: nt6.i

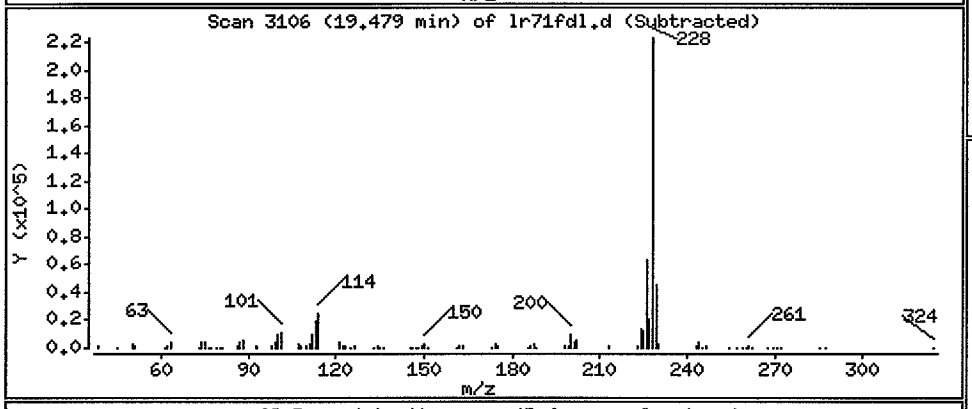
Sample Info: LR71F,3

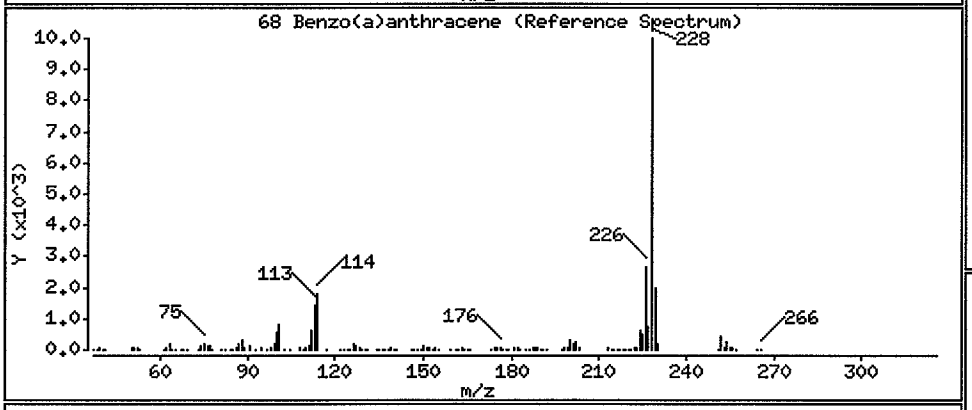
Volume Injected (uL): 1.0 Operator: LJR/VTS

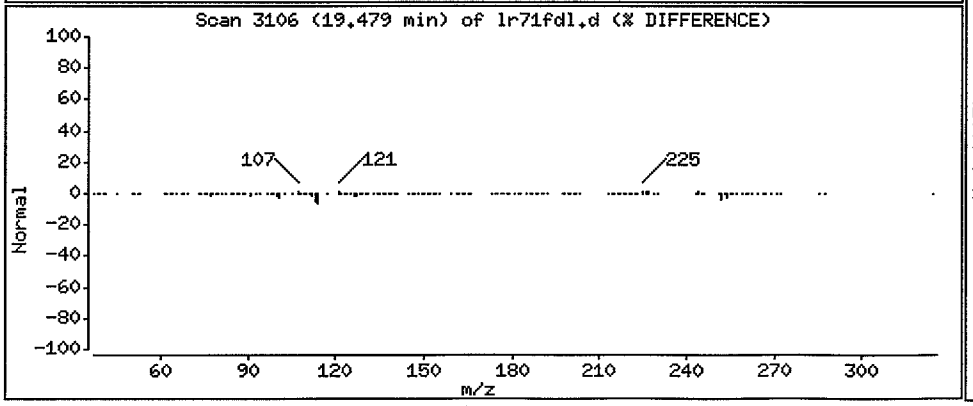
Column phase: ZB-5 Column diameter: 0.32

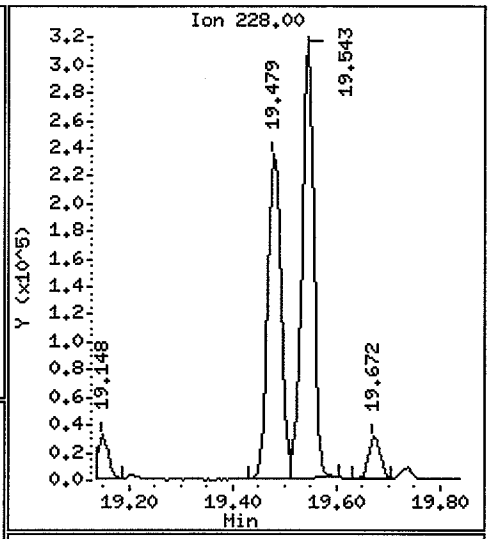
68 Benzo(a)anthracene Concentration: 526.8 ug/kg

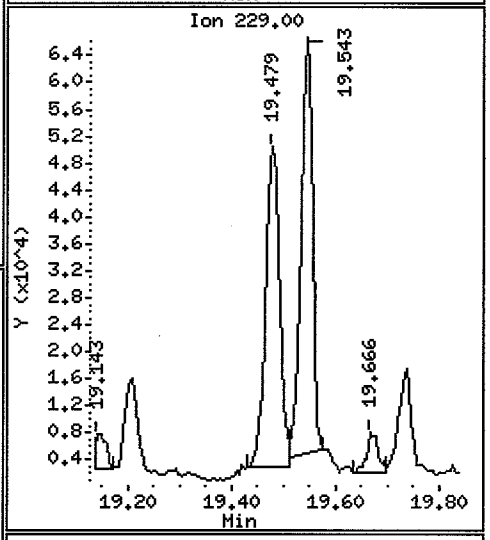


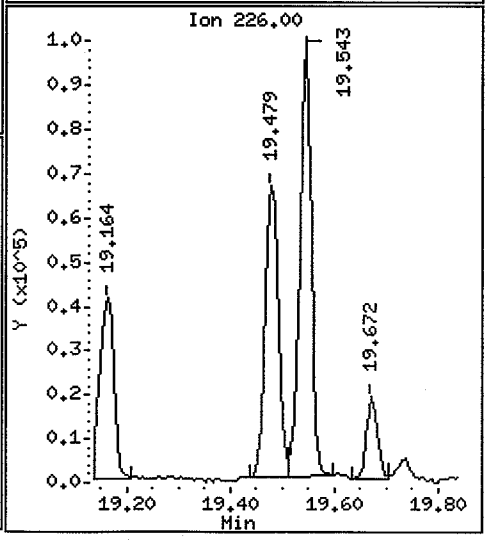












Data File: /chem1/nt6.i/20071019.b/lr71fd1.d

Date : 19-OCT-2007 17:51

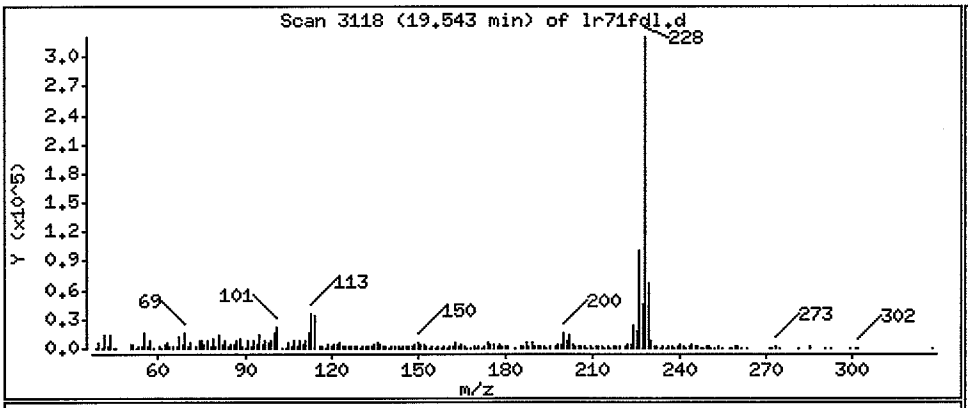
Client ID: AN-SS-11-070928 Instrument: nt6.i

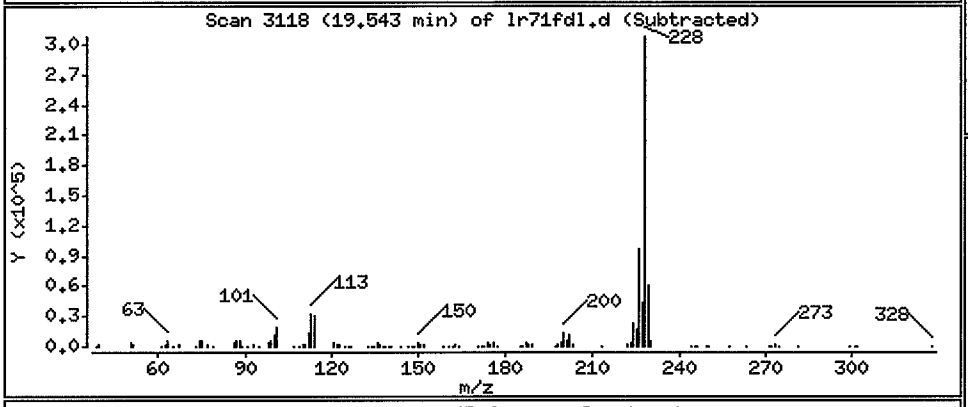
Sample Info: LR71F,3

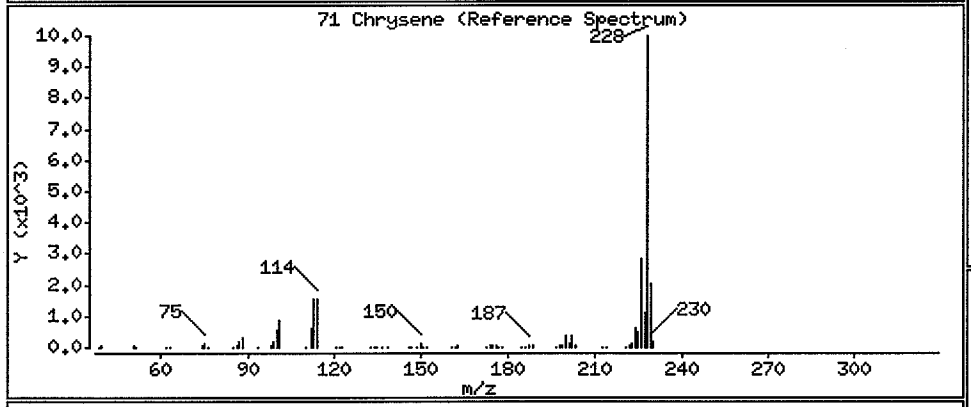
Volume Injected (uL): 1.0 Operator: LJR/VTS

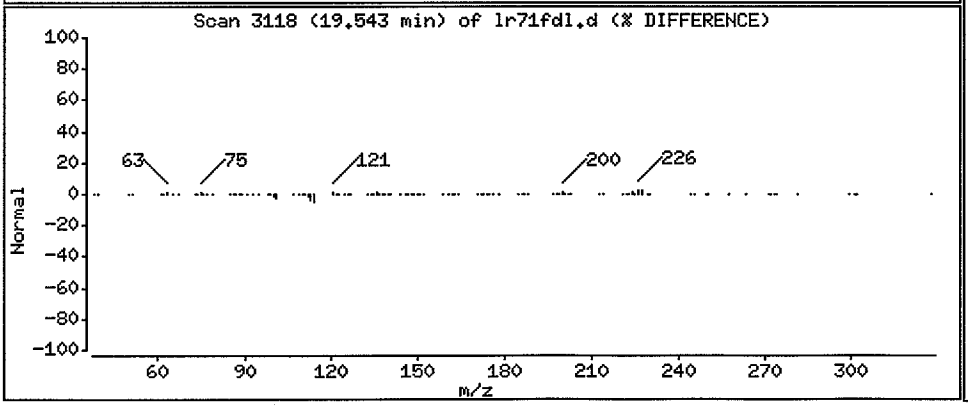
Column phase: ZB-5 Column diameter: 0.32

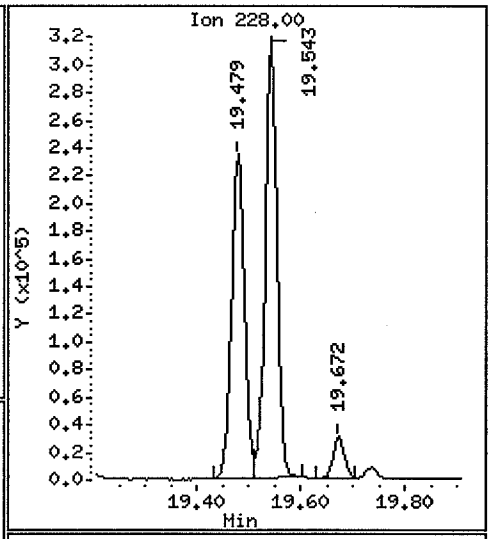
71 Chrysene Concentration: 688.1 ug/kg

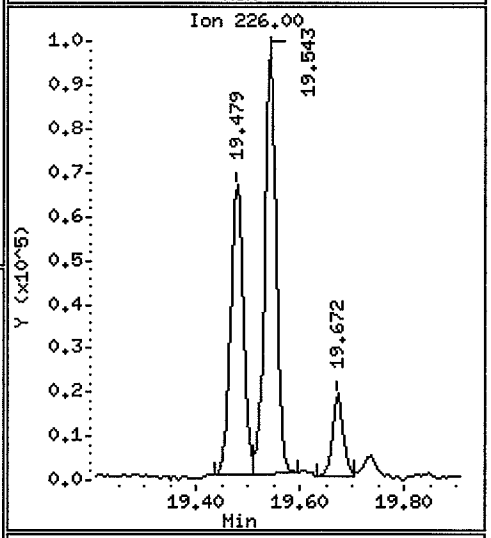


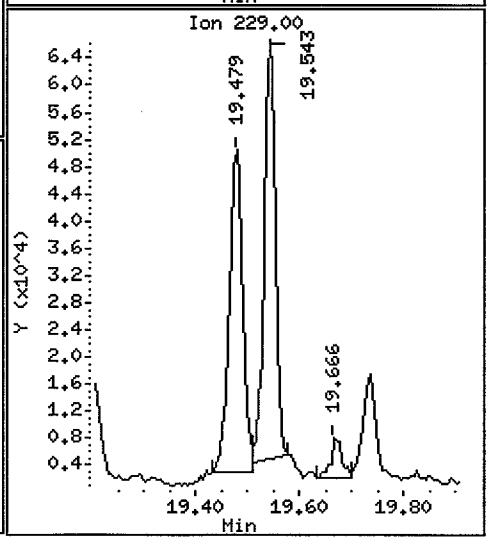












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

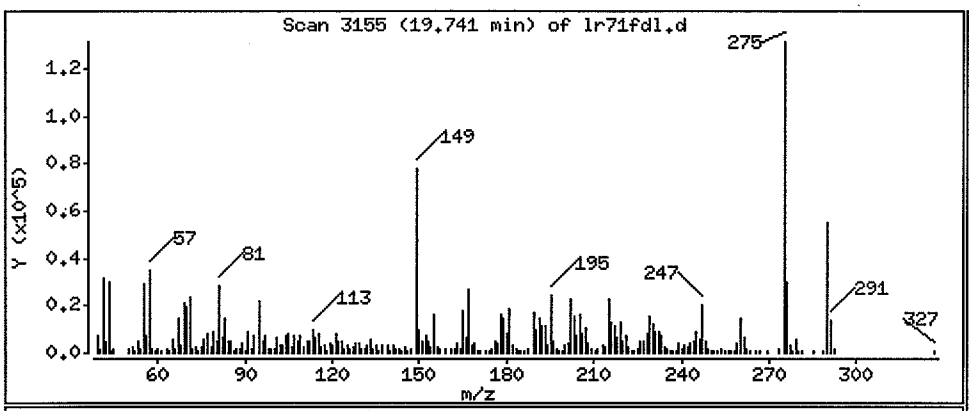
Client ID: AN-SS-11-070928 Instrument: nt6.i

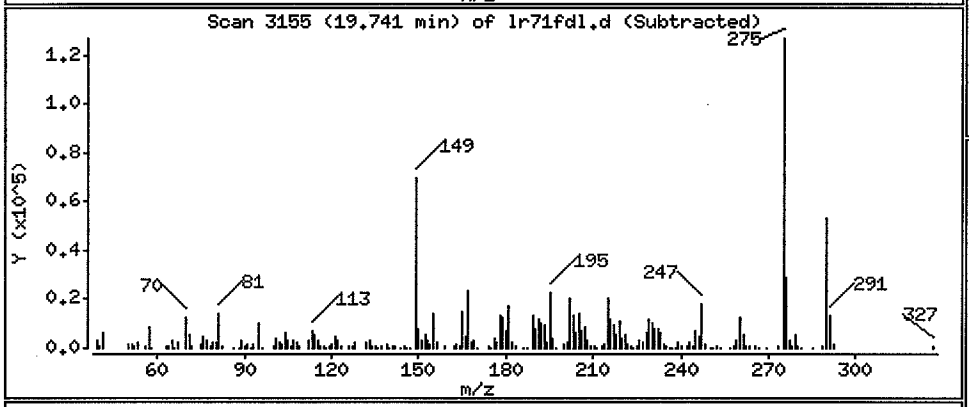
Sample Info: LR71F,3

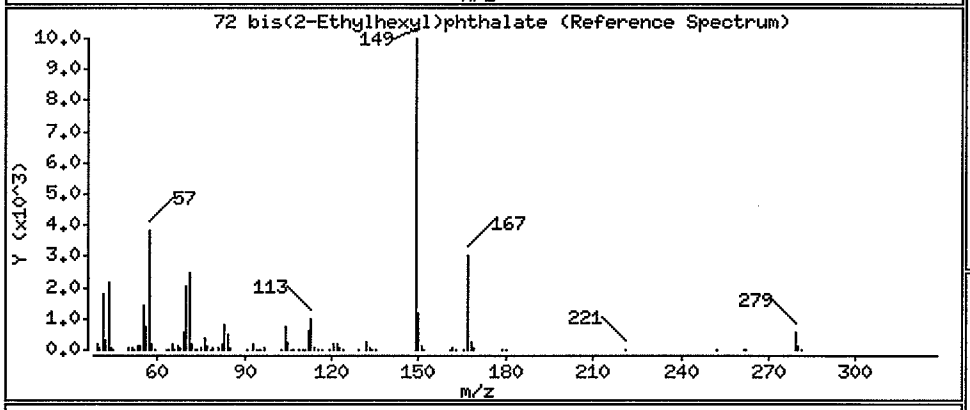
Volume Injected (uL): 1.0 Operator: LJR/VTS

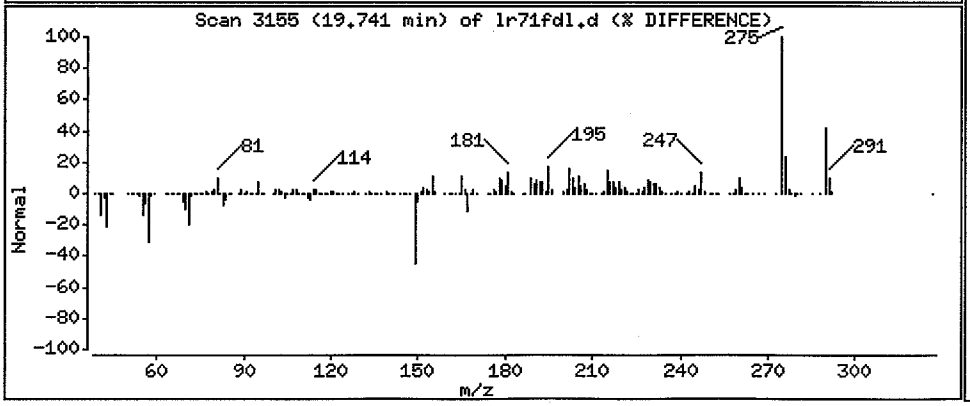
Column phase: ZB-5 Column diameter: 0.32

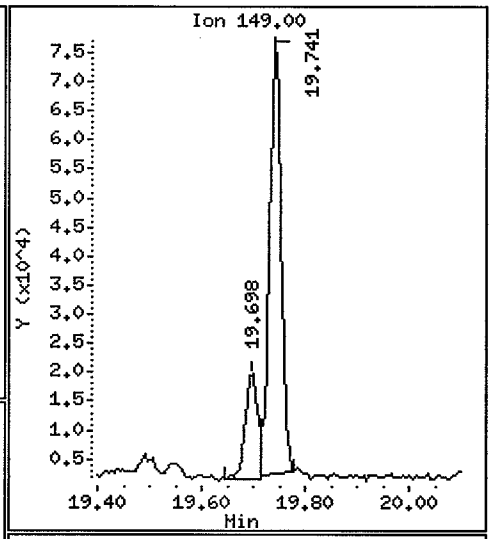
72 bis(2-Ethylhexyl)phthalate Concentration: 265.7 ug/kg

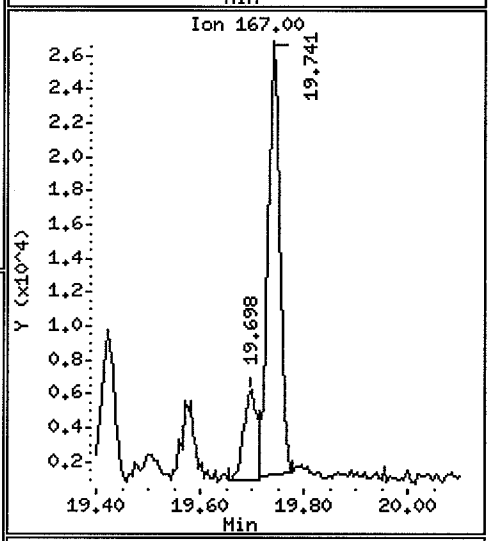


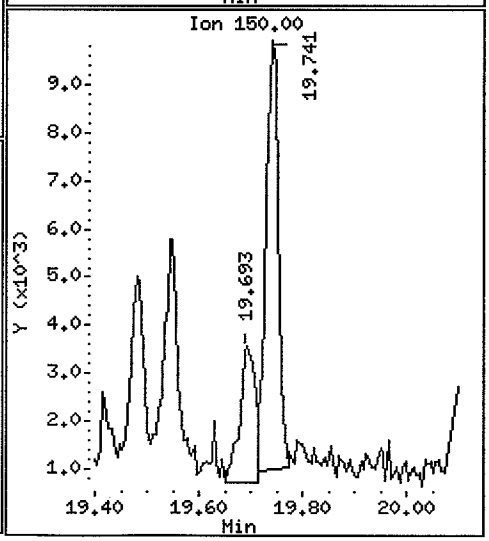












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

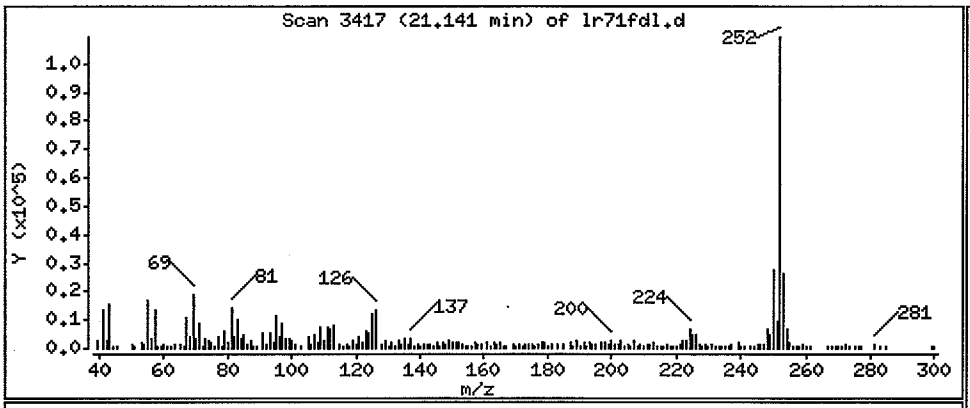
Client ID: AN-SS-11-070928 Instrument: nt6.i

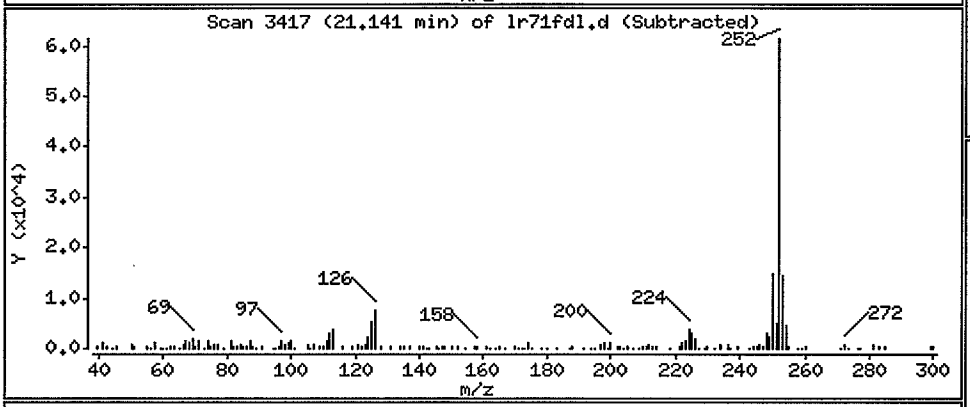
Sample Info: LR71F,3

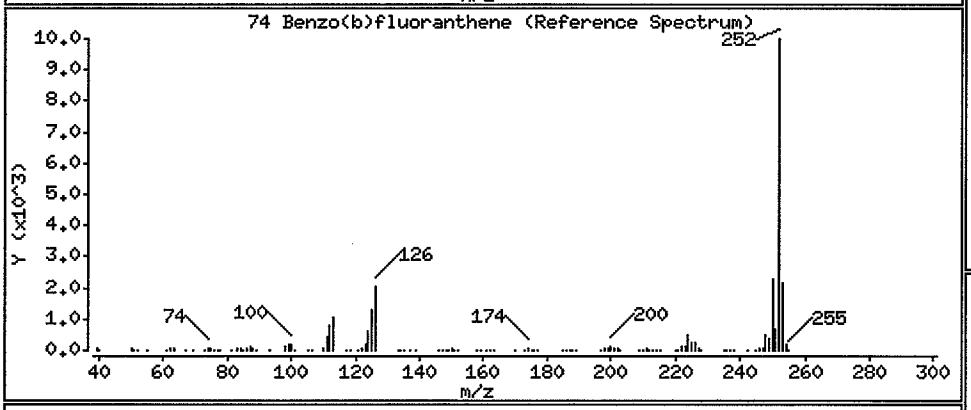
Volume Injected (uL): 1.0 Operator: LJR/VTS

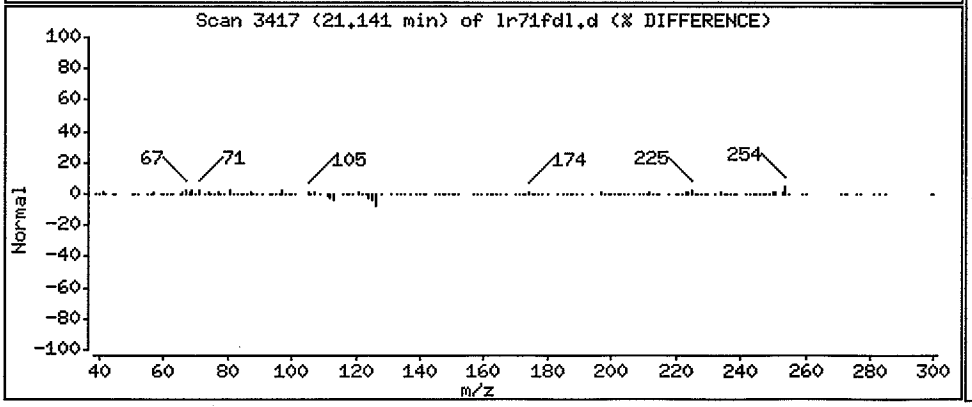
Column phase: ZB-5 Column diameter: 0.32

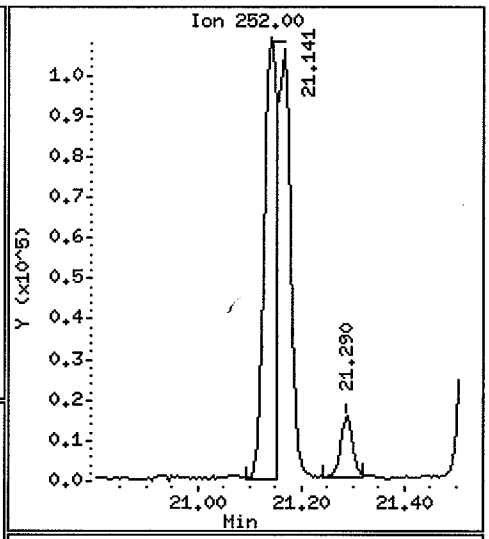
74 Benzo(b)fluoranthene Concentration: 294.1 ug/kg

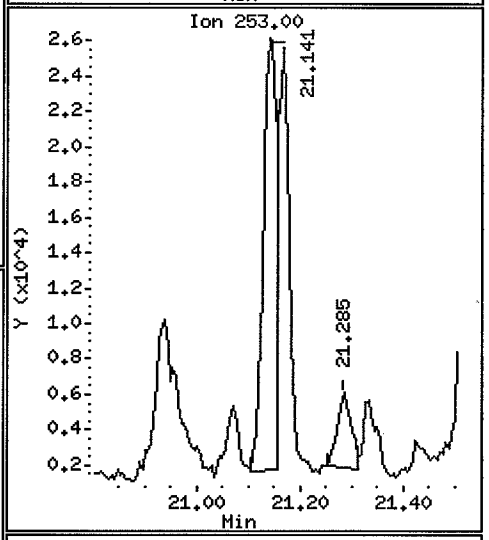


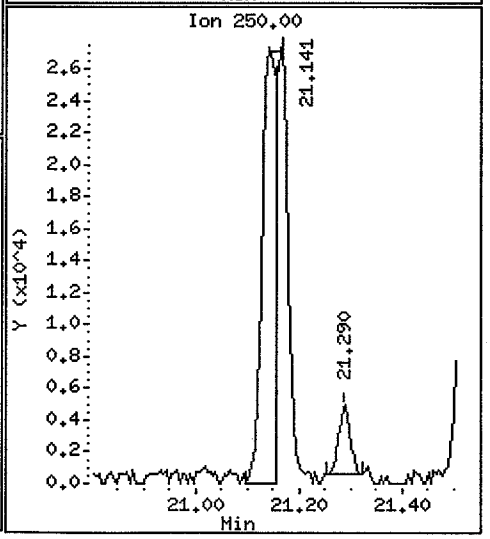












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

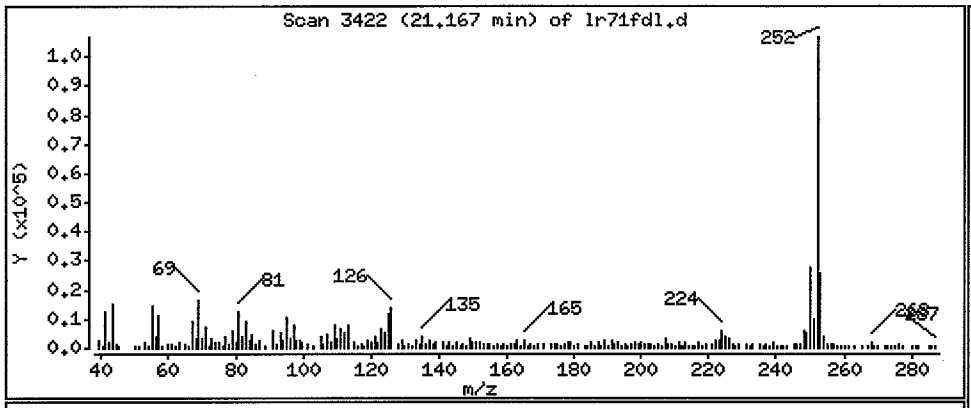
Client ID: AN-SS-11-070928 Instrument: nt6.i

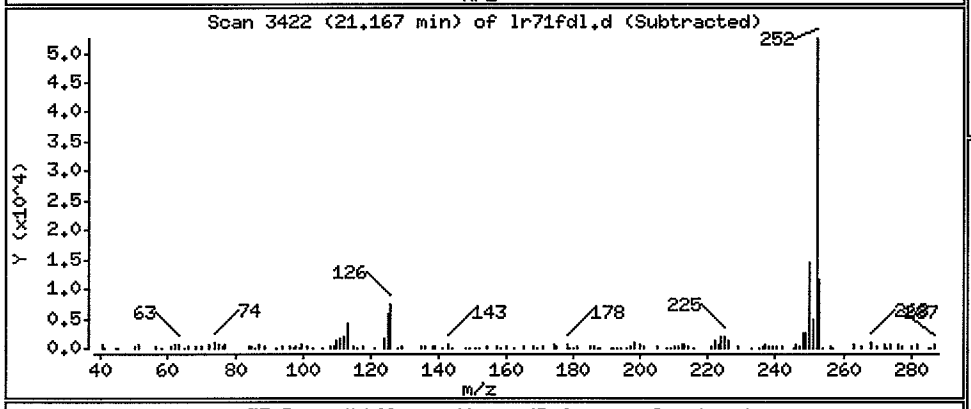
Sample Info: LR71F,3

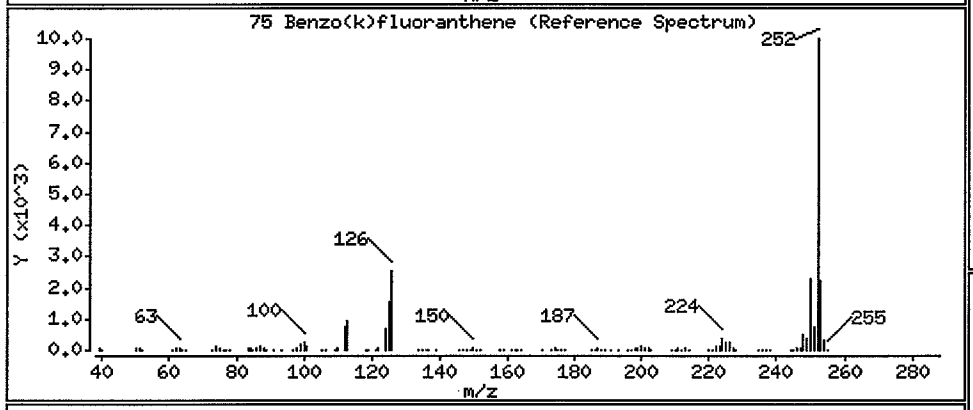
Volume Injected (uL): 1.0 Operator: LJR/VTS

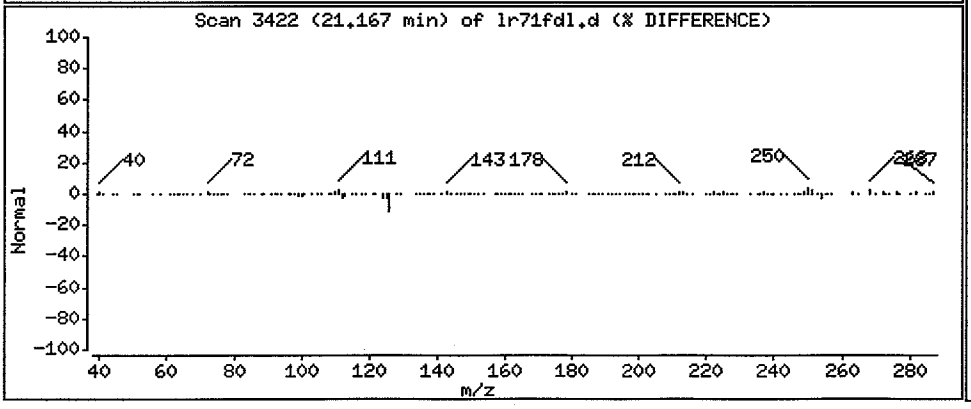
Column phase: ZB-5 Column diameter: 0.32

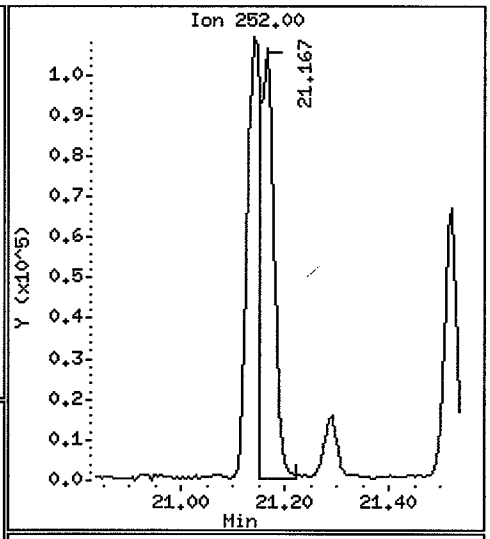
75 Benzo(k)fluoranthene Concentration: 297.3 ug/kg

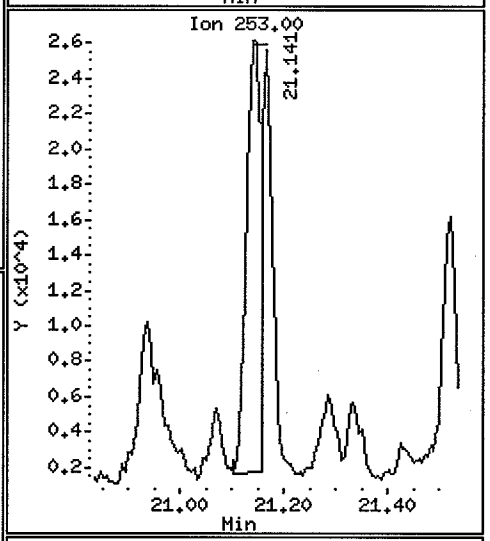


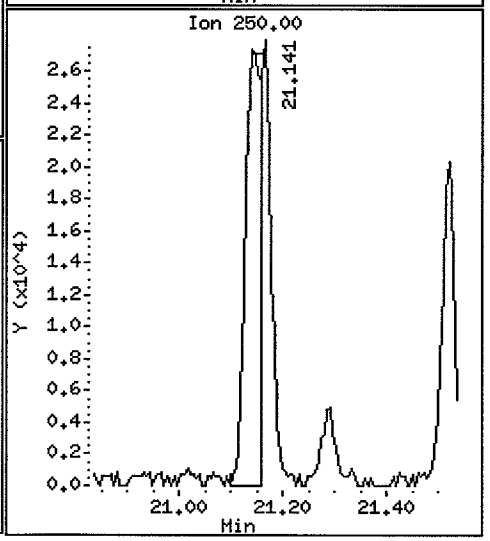












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

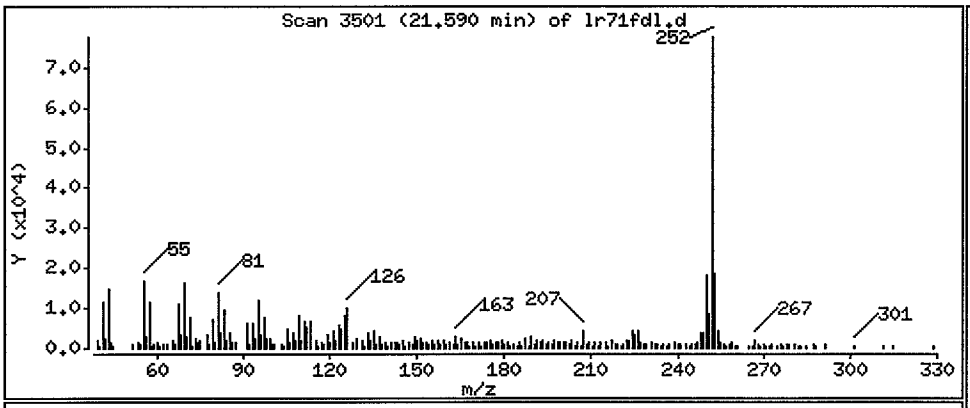
Client ID: AN-SS-11-070928 Instrument: nt6.i

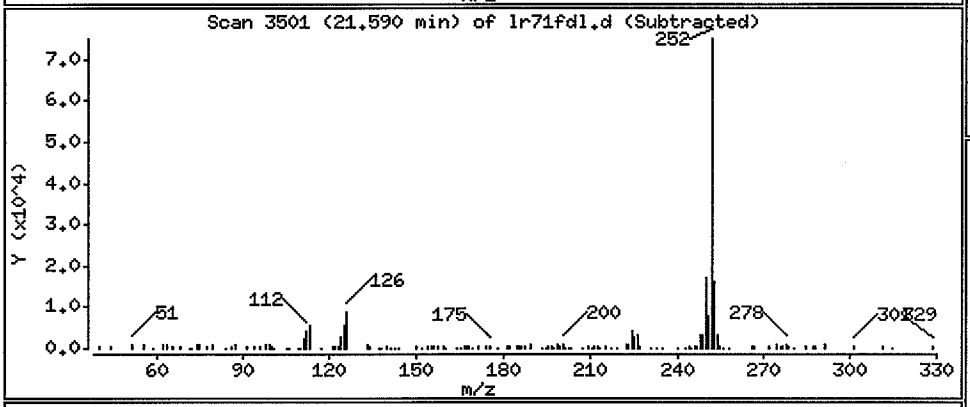
Sample Info: LR71F,3

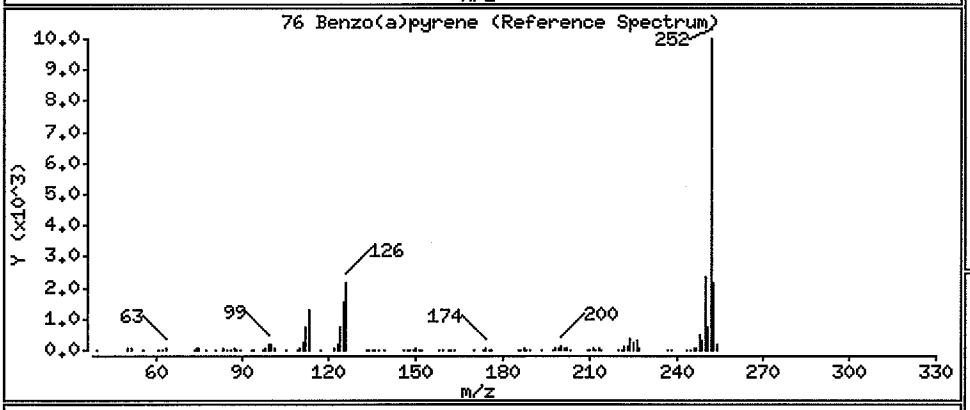
Volume Injected (uL): 1.0 Operator: LJR/VTS

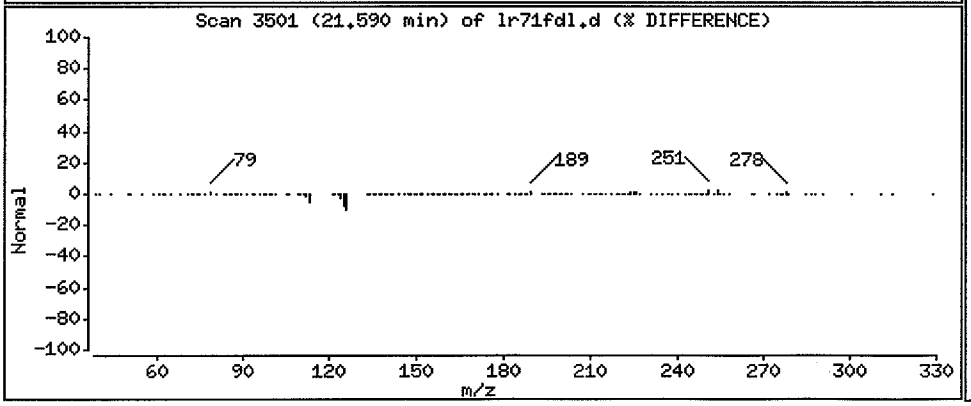
Column phase: ZB-5 Column diameter: 0.32

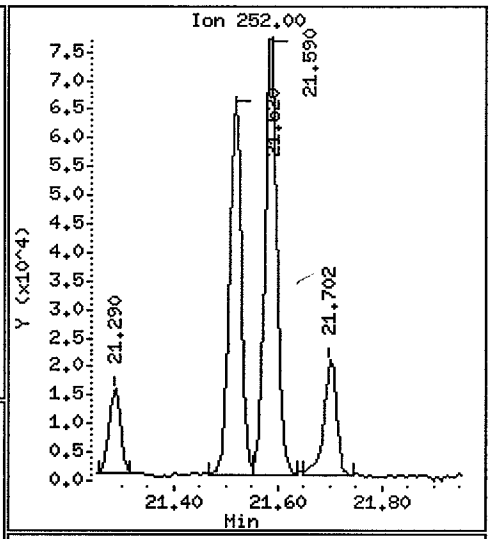
76 Benzo(a)pyrene Concentration: 224.4 ug/kg

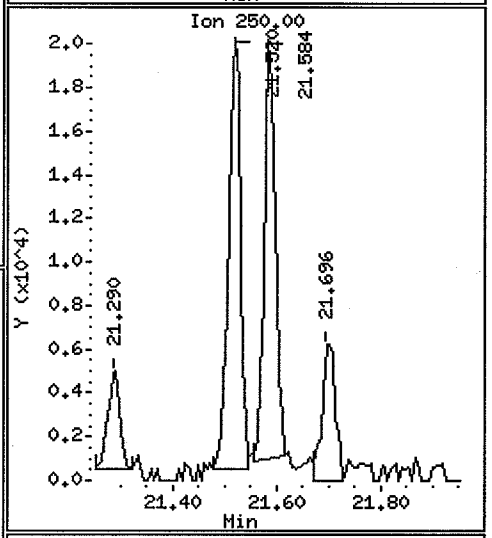


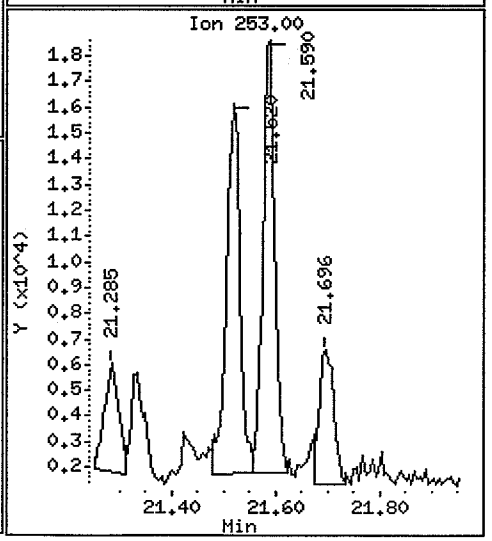












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

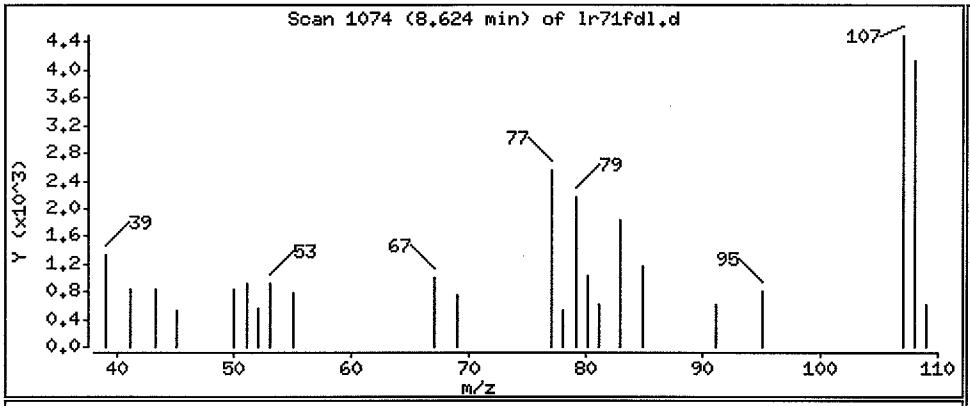
Client ID: AN-SS-11-070928 Instrument: nt6.i

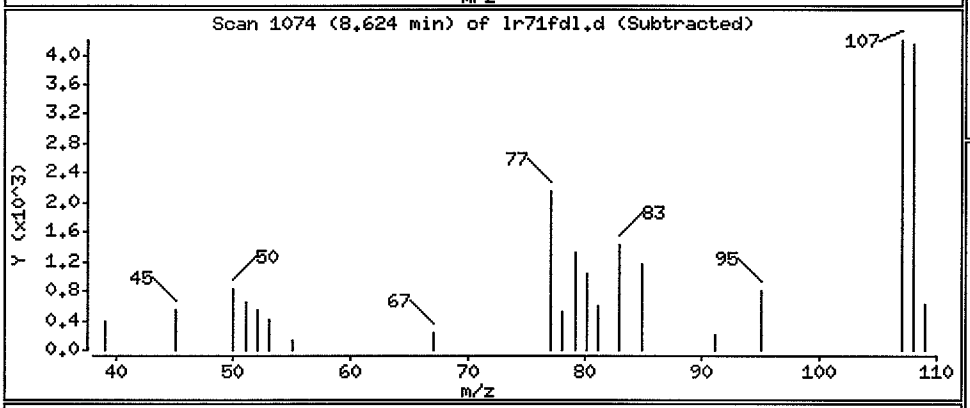
Sample Info: LR71F,3

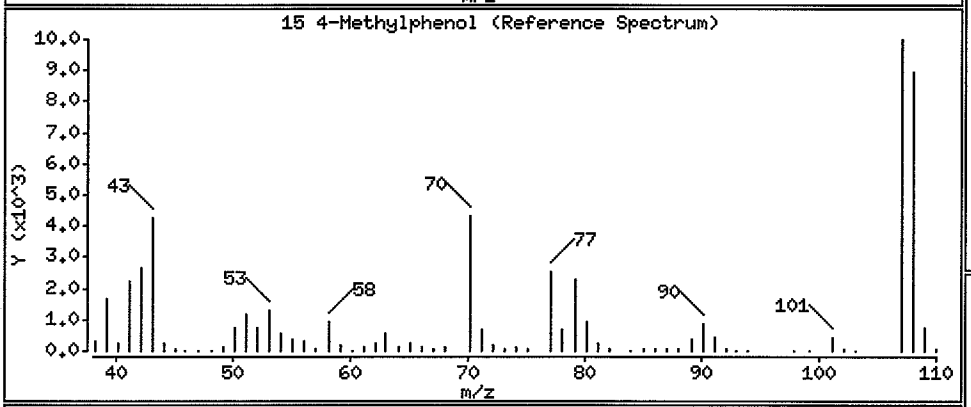
Volume Injected (uL): 1.0 Operator: LJR/VTS

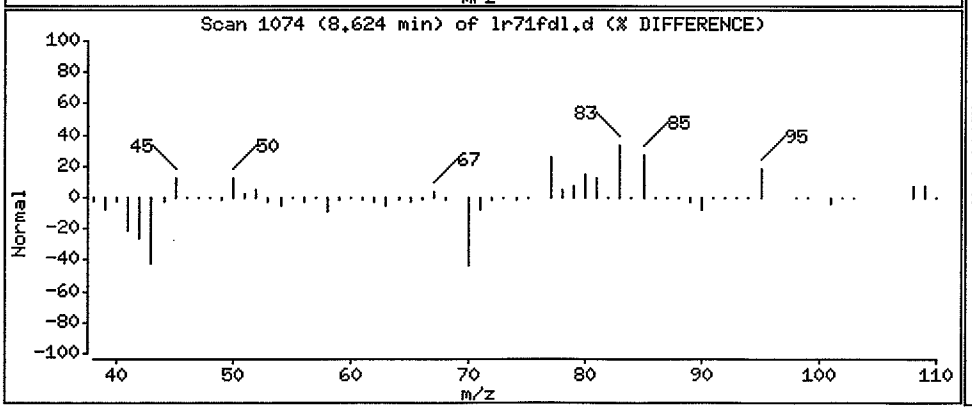
Column phase: ZB-5 Column diameter: 0.32

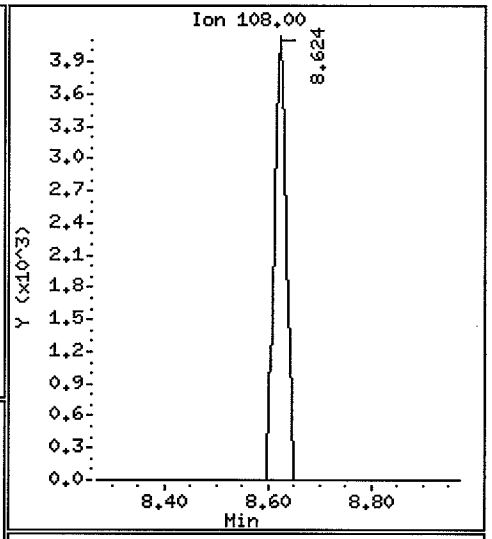
15 4-Methylphenol Concentration: 34.51 ug/kg

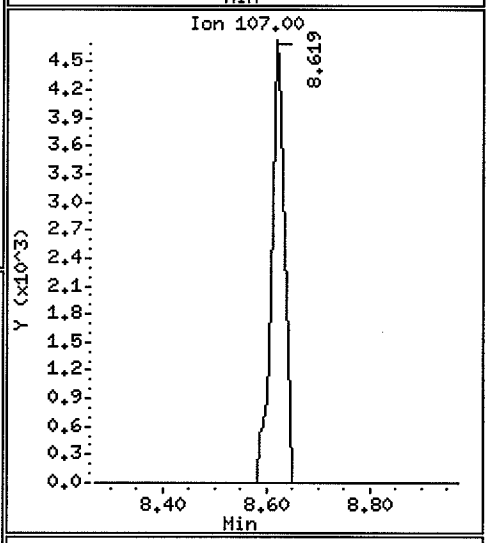


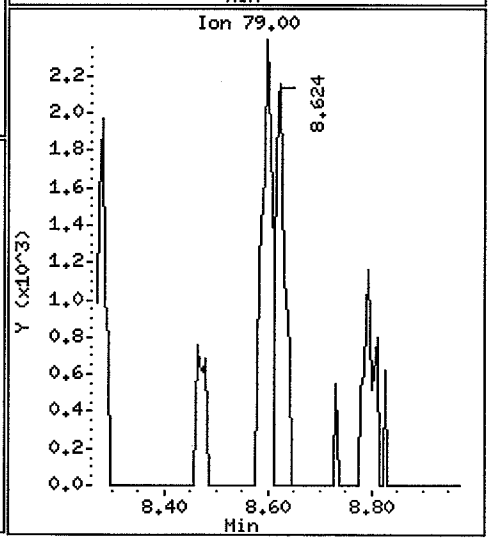












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

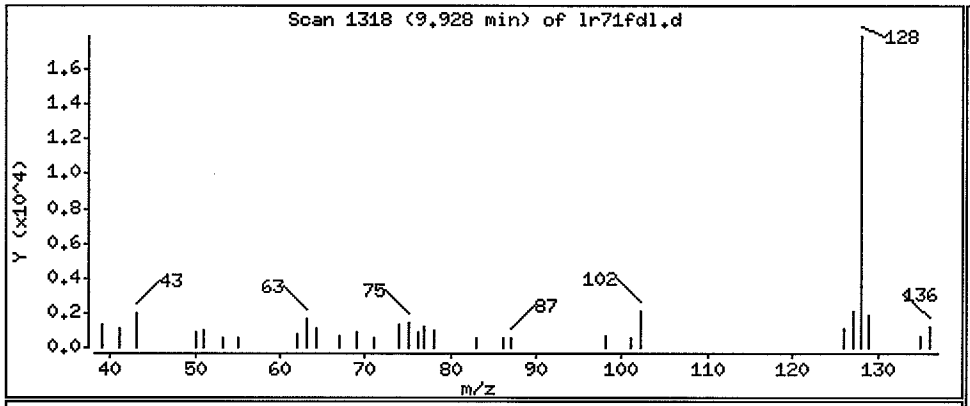
Client ID: AN-SS-11-070928 Instrument: nt6.i

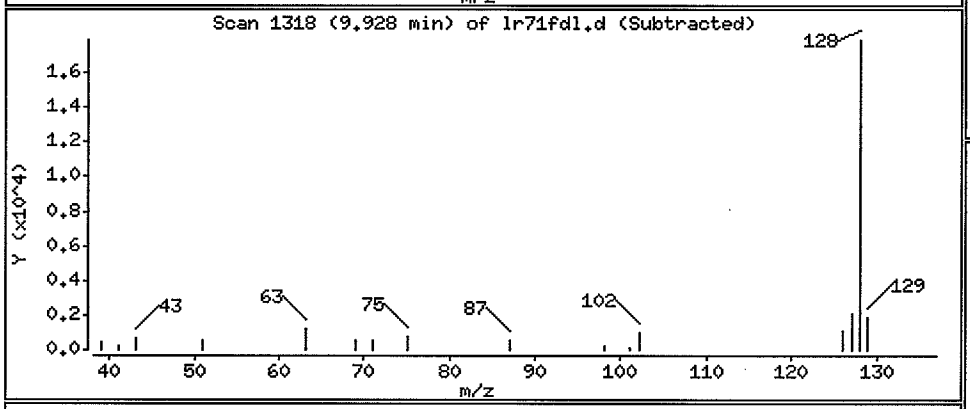
Sample Info: LR71F,3

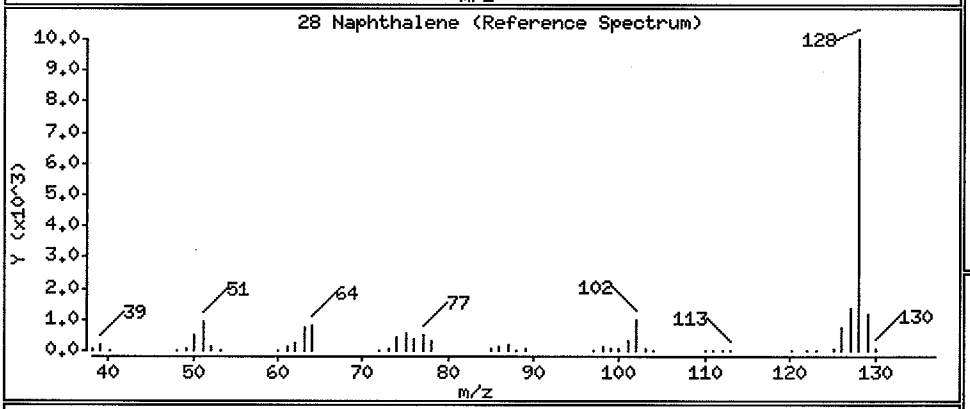
Volume Injected (uL): 1.0 Operator: LJR/VTS

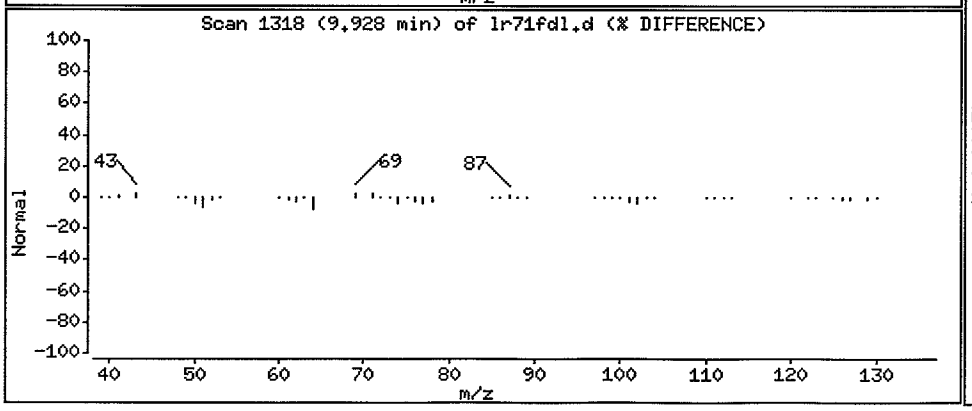
Column phase: ZB-5 Column diameter: 0.32

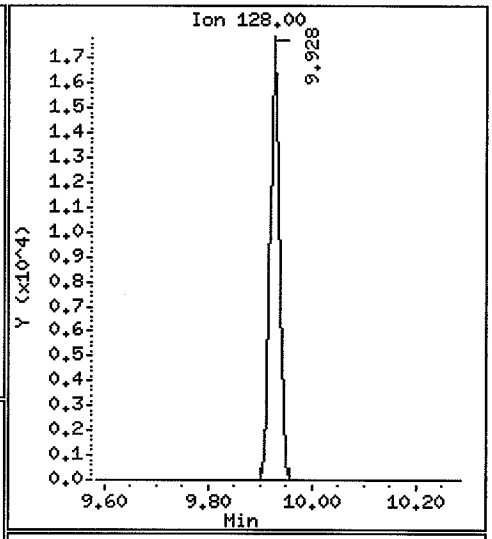
28 Naphthalene Concentration: 43.98 ug/kg

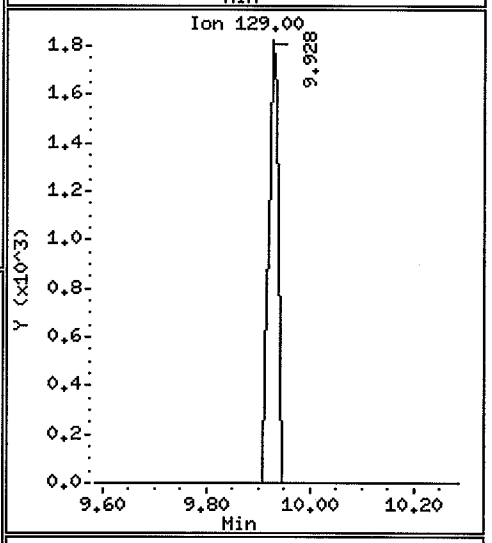


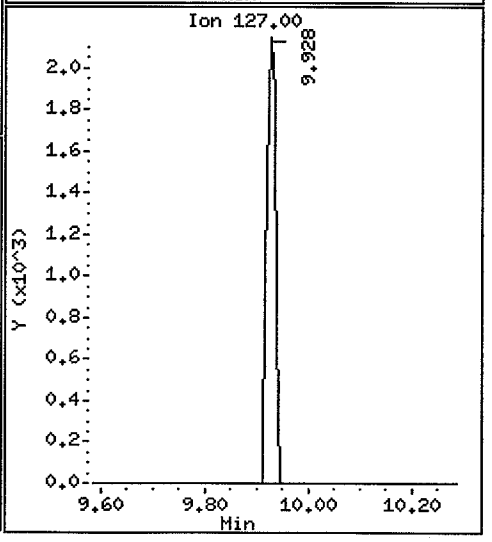












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

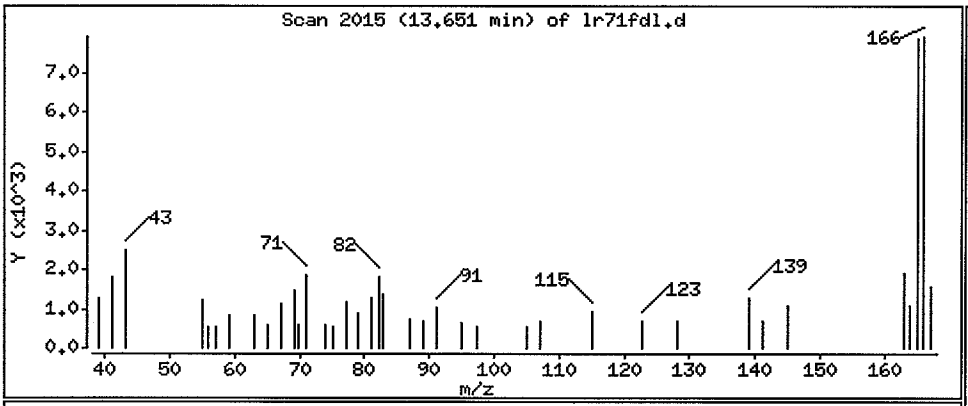
Client ID: AN-SS-11-070928 Instrument: nt6.i

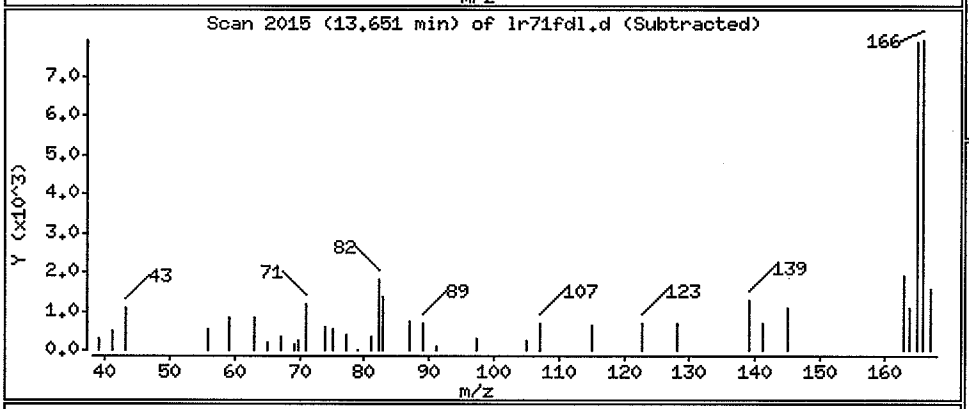
Sample Info: LR71F,3

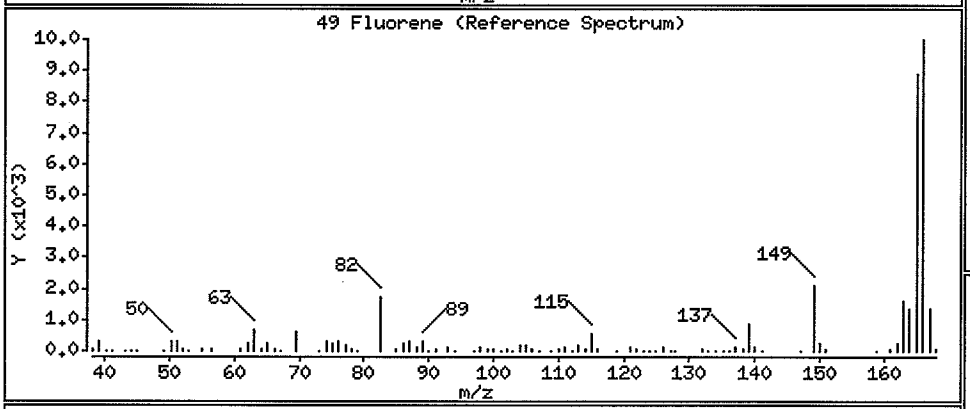
Volume Injected (uL): 1.0 Operator: LJR/VTS

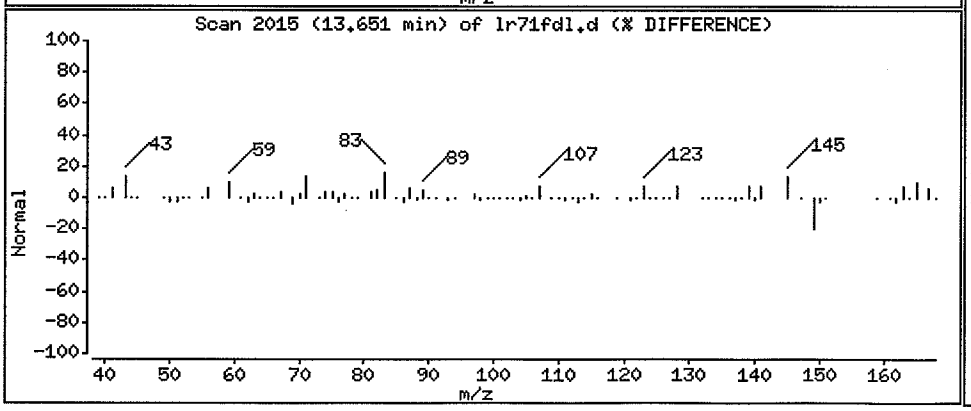
Column phase: ZB-5 Column diameter: 0.32

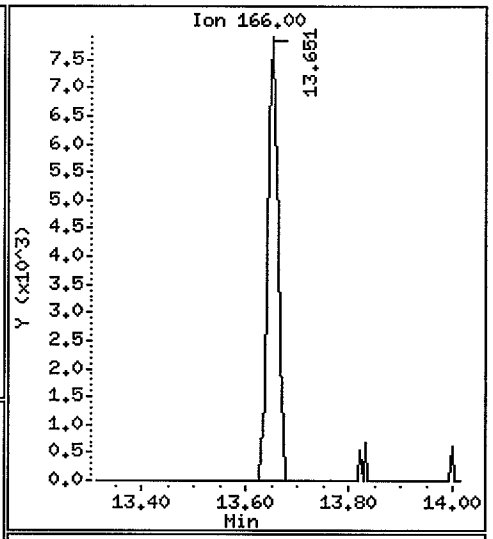
49 Fluorene Concentration: 35.44 ug/kg

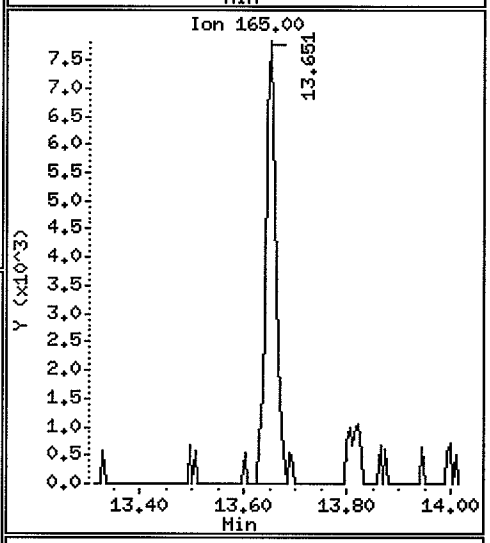


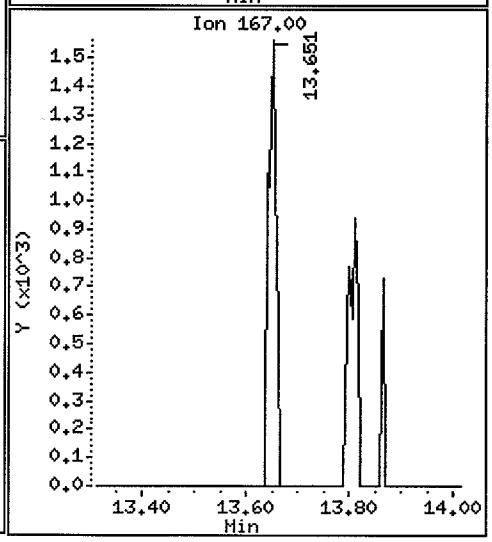












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F,3

Volume Injected (uL): 1.0

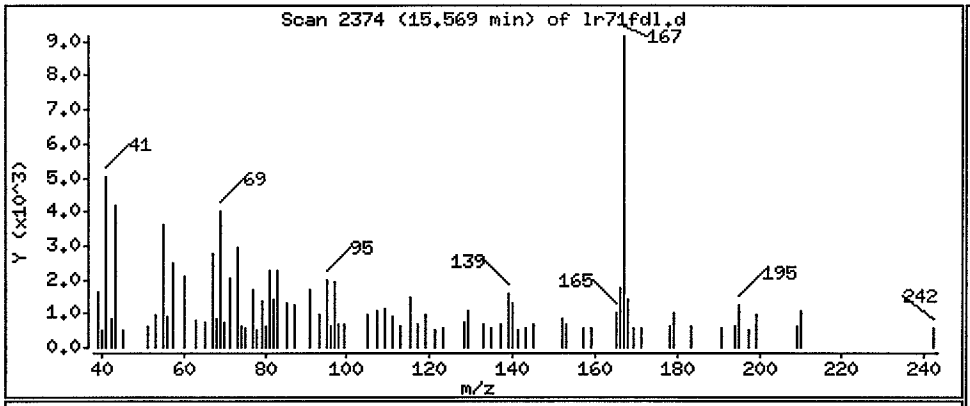
Operator: LJR/VTS

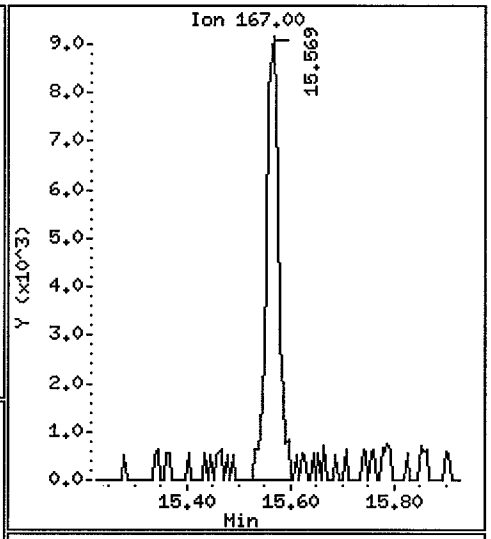
Column phase: ZB-5

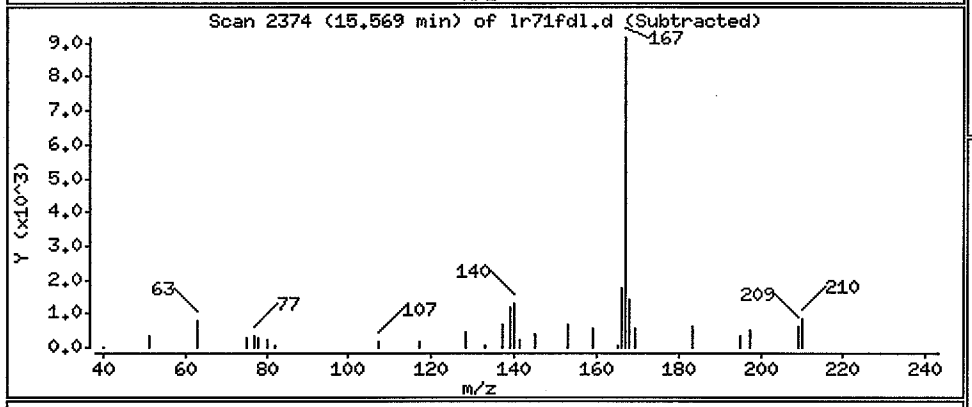
Column diameter: 0.32

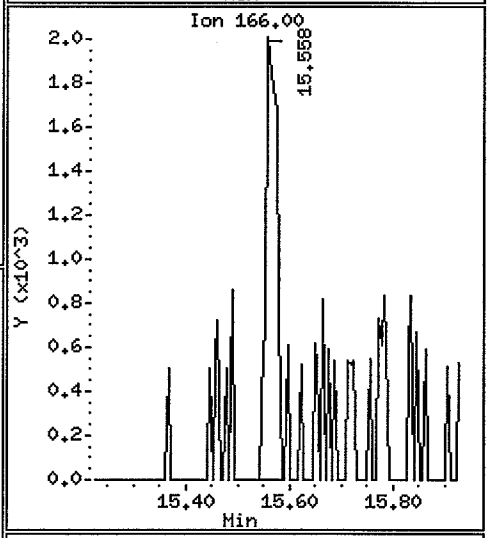
62 Carbazole

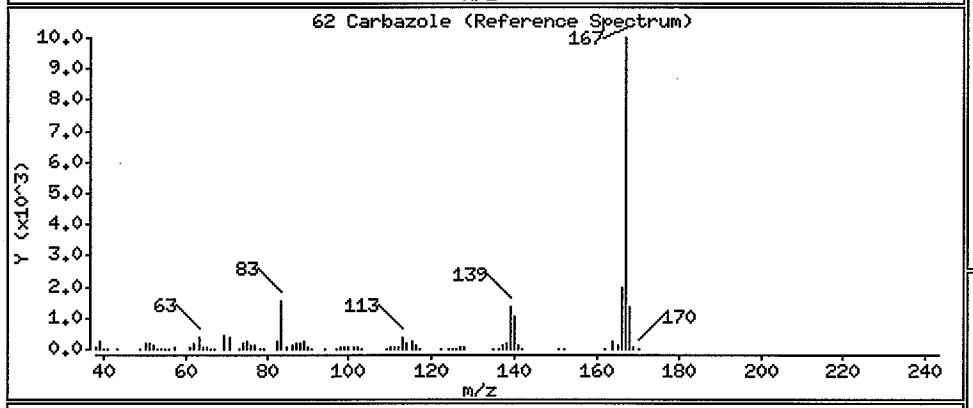
Concentration: 35.71 ug/kg

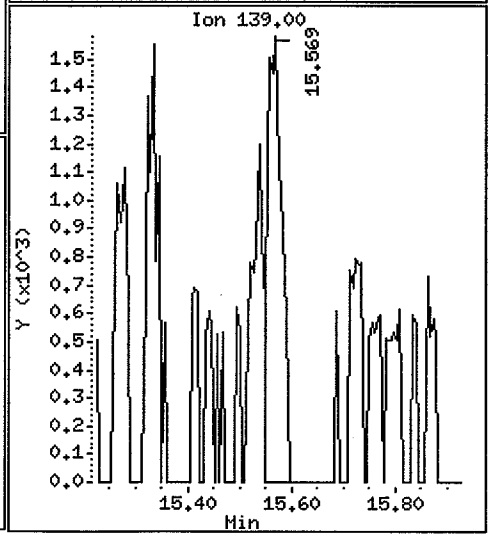


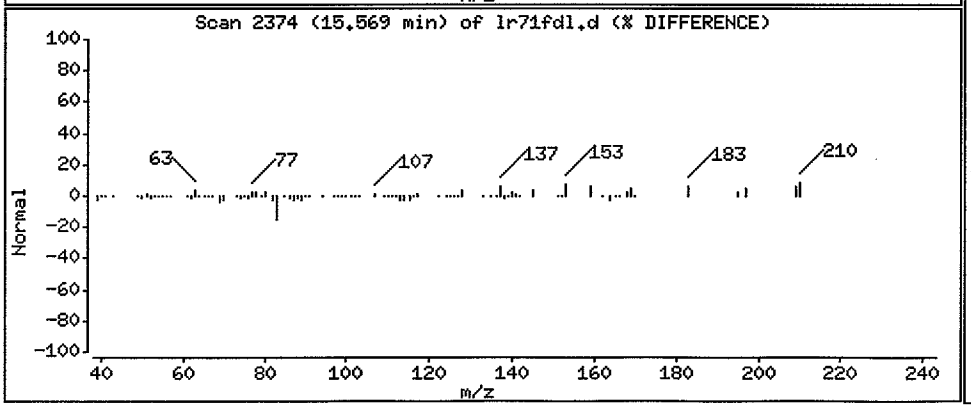












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F,3

Volume Injected (uL): 1.0

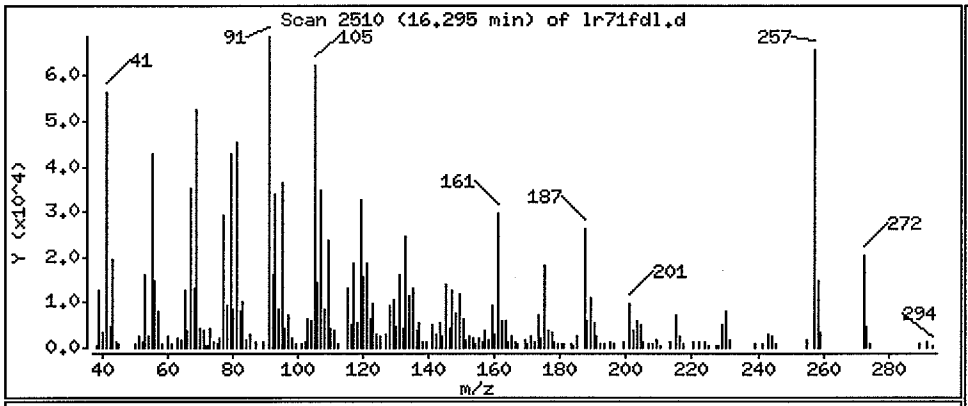
Operator: LJR/VTS

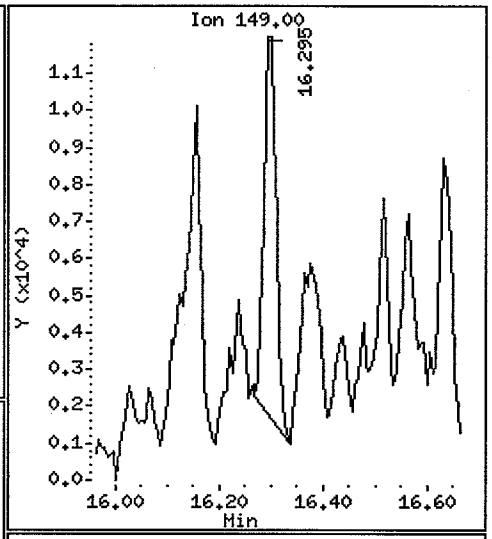
Column phase: ZB-5

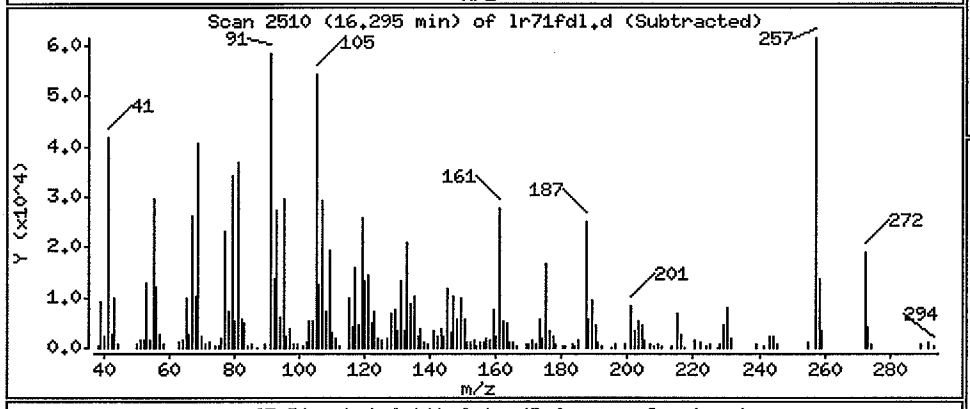
Column diameter: 0.32

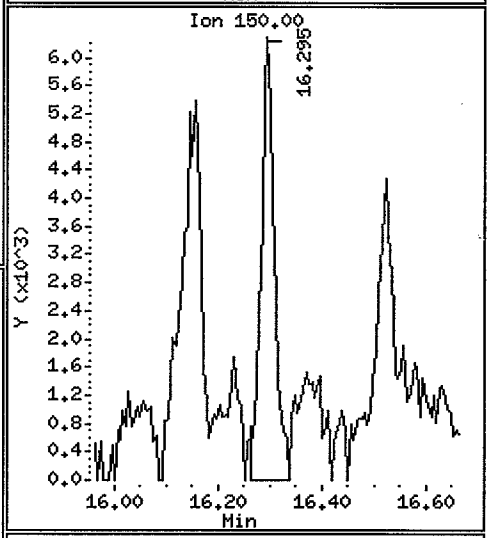
63 Di-n-butylphthalate

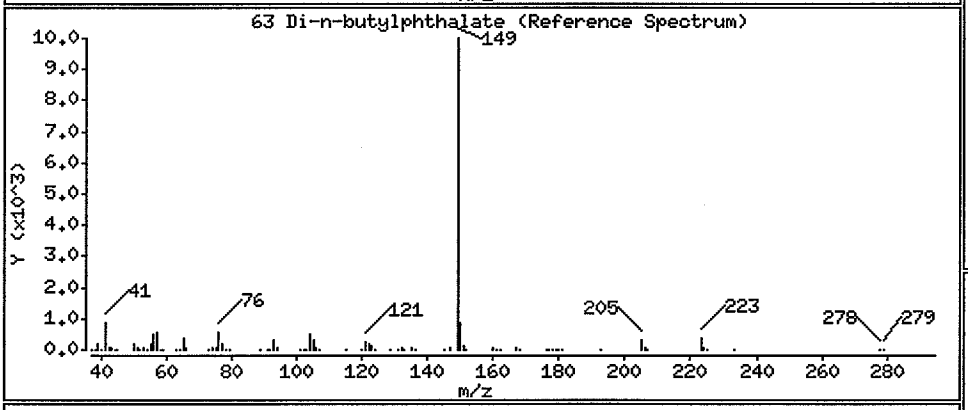
Concentration: 34.50 ug/kg

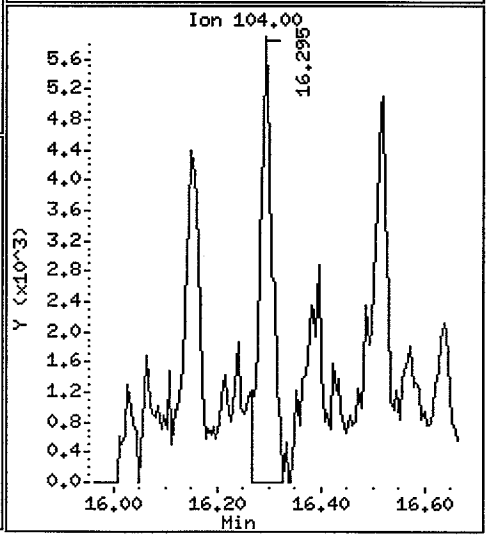


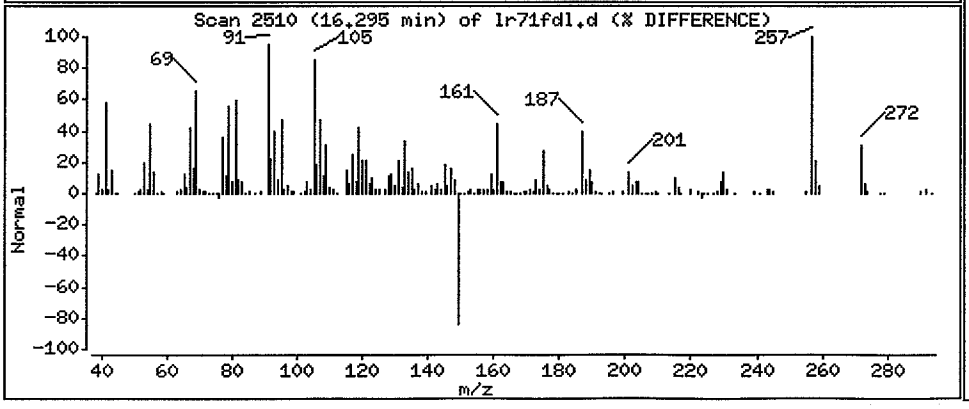












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

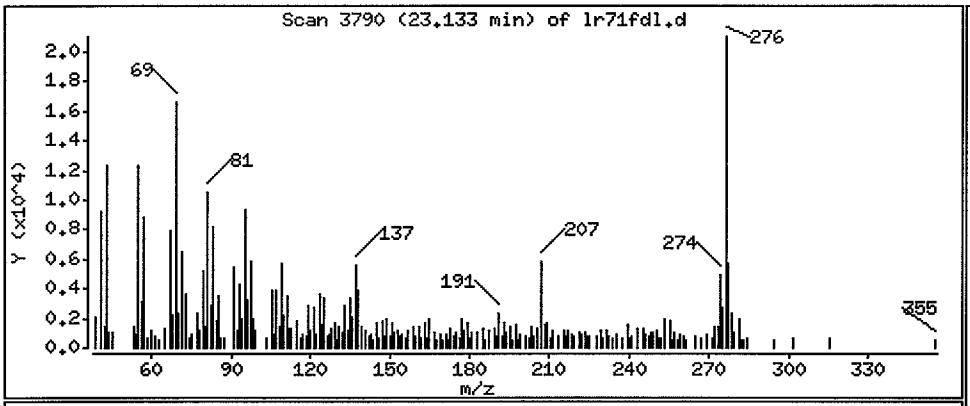
Client ID: AN-SS-11-070928 Instrument: nt6.i

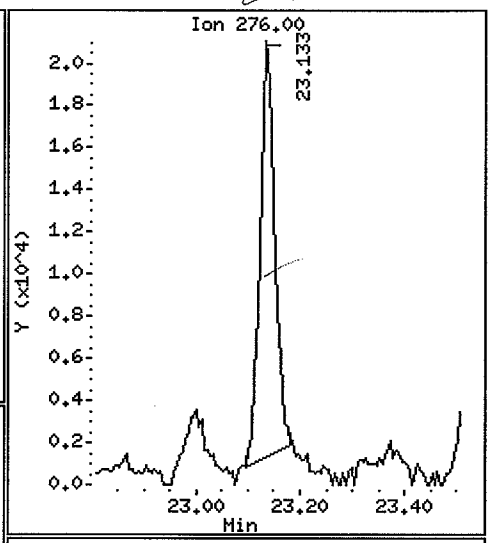
Sample Info: LR71F,3

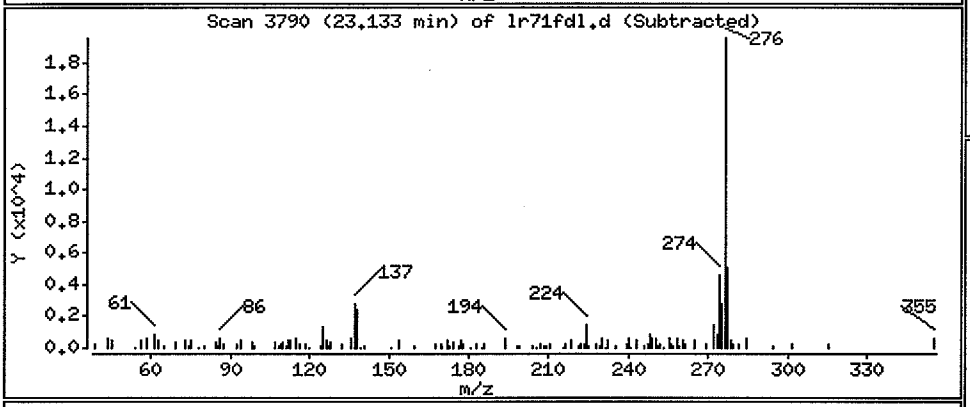
Volume Injected (uL): 1.0 Operator: LJR/VTS

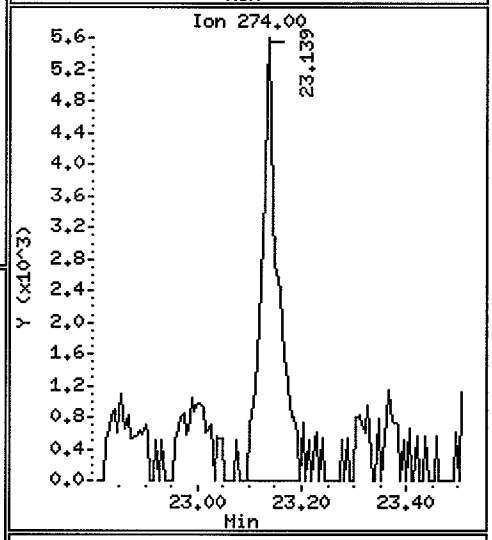
Column phase: ZB-5 Column diameter: 0.32

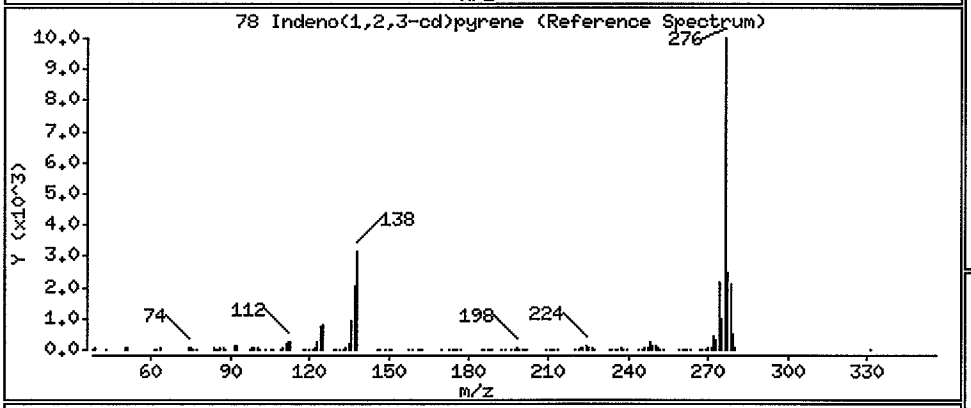
78 Indeno(1,2,3-cd)pyrene Concentration: 57.91 ug/kg

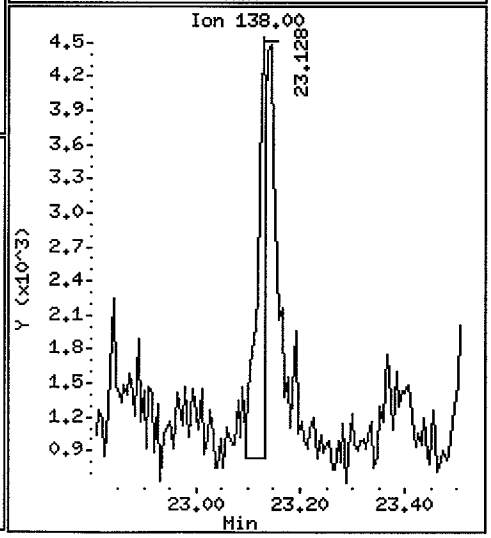


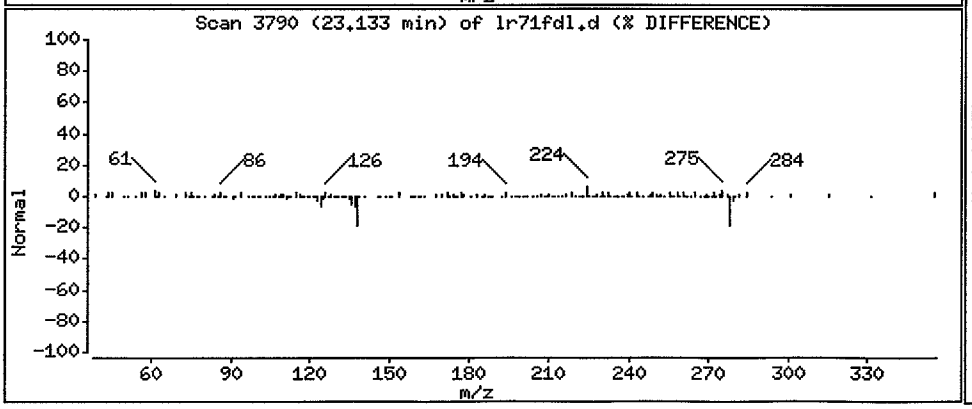












Data File: /chem1/nt6.i/20071019.b/lr71fdl.d

Date : 19-OCT-2007 17:51

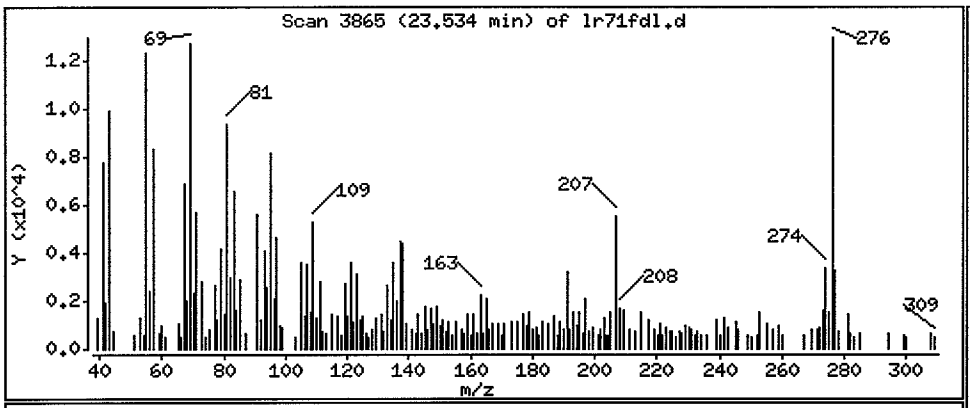
Client ID: AN-SS-11-070928 Instrument: nt6.i

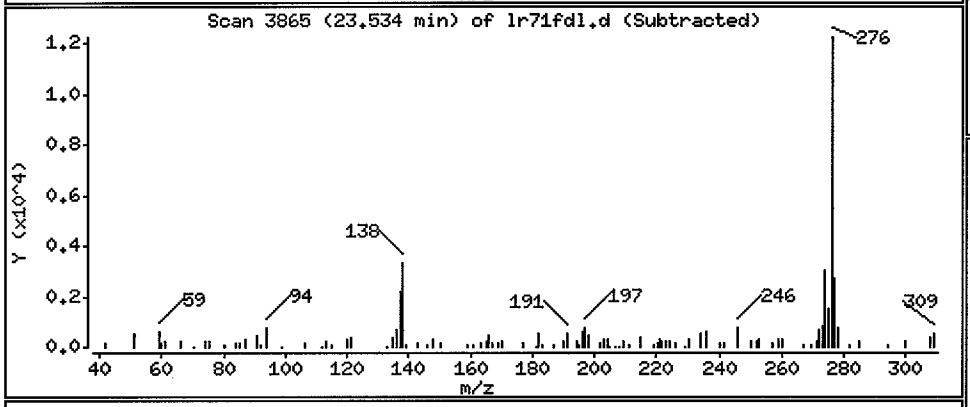
Sample Info: LR71F,3

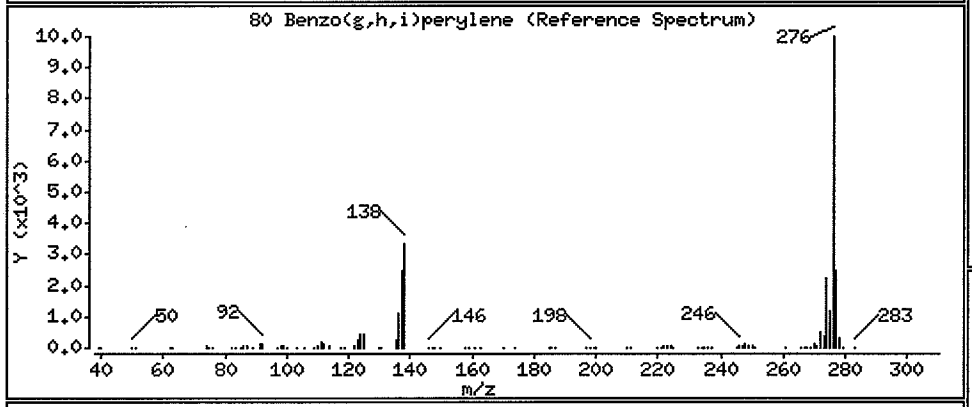
Volume Injected (uL): 1.0 Operator: LJR/VTS

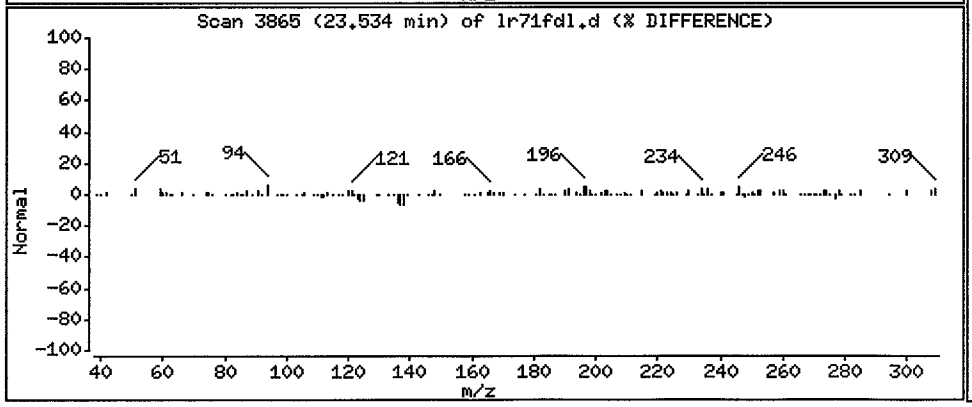
Column phase: ZB-5 Column diameter: 0.32

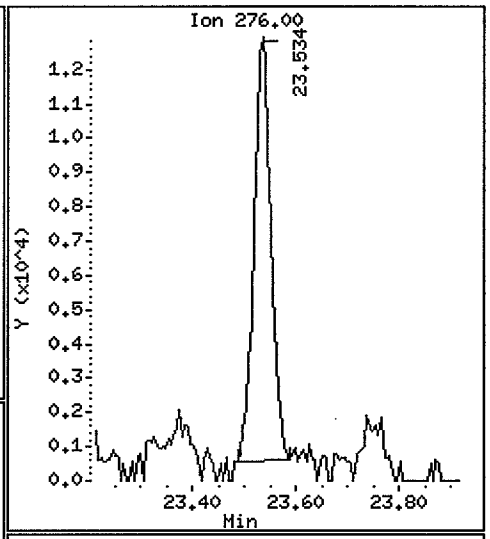
80 Benzo(g,h,i)perylene Concentration: 42.44 ug/kg

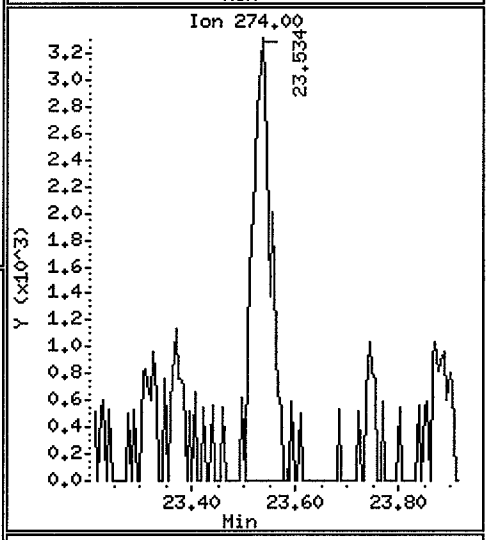


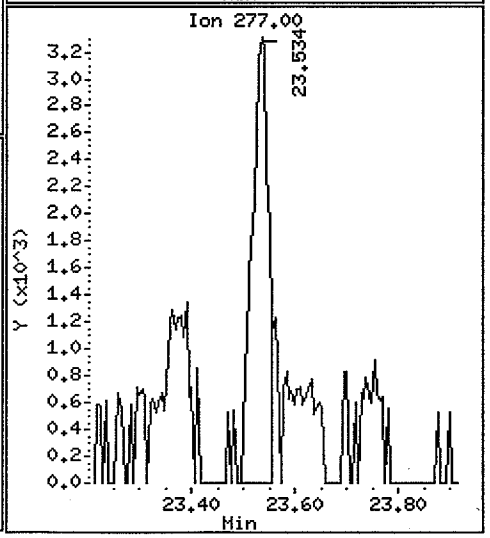












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-11-070928**
Page 1 of 2 **REEXTRACT**

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

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

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 20:18
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 32.9%

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**24**
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**66**
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	9.9	< 9.9 UJ
91-20-3	**Naphthalene**	**20**	**100**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	**2-Methylnaphthalene**	**20**	**31**
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	**Acenaphthylene**	**20**	**32**
83-32-9	**Acenaphthene**	**20**	**32**
132-64-9	**Dibenzofuran**	**20**	**37**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**50**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	**Phenanthrene**	**20**	**420**
120-12-7	**Anthracene**	**20**	**92**
84-74-2	Di-n-Butylphthalate	42	< 42 Y
206-44-0	**Fluoranthene**	**20**	**840**
129-00-0	**Pyrene**	**20**	**550**
85-68-7	Butylbenzylphthalate	45	< 45 Y
56-55-3	**Benzo(a)anthracene**	**20**	**190**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**280 B**
218-01-9	**Chrysene**	**20**	**250**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**160**
207-08-9	**Benzo(k)fluoranthene**	**20**	**180**
50-32-8	**Benzo(a)pyrene**	**20**	**170**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**66**
53-70-3	**Dibenz(a,h)anthracene**	**20**	**27**
191-24-2	**Benzo(g,h,i)perylene**	**20**	**43**

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-11-070928
REEXTRACT

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Date Analyzed: 11/01/07 20:18

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

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	22

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	60.4%	2-Fluorobiphenyl	64.0%
d14-p-Terphenyl	60.8%	d4-1,2-Dichlorobenzene	56.8%
d5-Phenol	62.7%	2-Fluorophenol	49.1%
2,4,6-Tribromophenol	65.6%	d4-2-Chlorophenol	61.1%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071101.b/lr71f2.d
Lab Smp Id: LR71FRE
Inj Date : 01-NOV-2007 20:18
Operator : VTS Inst ID: nt4.i
Smp Info : LR71FRE
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt4.i/20071101.b/SW846.m
Meth Date : 02-Nov-2007 11:41 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 11:04 Cal File: 0801001.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJK 11/2/07

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
$ 1	2-Fluorophenol	112	4.861	4.748	(0.712)	258385	18.4020	368.0
$ 2	Phenol-d5	99	6.512	6.489	(0.954)	369262	23.4957	469.9
3	Phenol	94	6.528	6.505	(0.956)	22417	1.2002	24.02
$ 5	2-Chlorophenol-d4	132	6.544	6.521	(0.959)	267109	22.9123	458.2
4	Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6	2-Chlorophenol	128	Compound Not Detected.					
7	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8	1,4-Dichlorobenzene-d4	152	6.827	6.820	(1.000)	165938	20.0000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	7.121	7.114	(1.043)	106216	14.1600	283.2
12	1,2-Dichlorobenzene	146	Compound Not Detected.					
11	Benzyl alcohol	108	Compound Not Detected.					
14	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13	2-Methylphenol	108	Compound Not Detected.					
17	Hexachloroethane	117	Compound Not Detected.					

Data File: /chem3/nt4.i/20071101.b/lr71f2.d
Report Date: 02-Nov-2007 11:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	7.698	7.686	(1.128)	42319	3.37189	67.44
$	18 Nitrobenzene-d5	82	7.772	7.771	(0.876)	238832	15.1162	302.3
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.713	8.813	(0.983)	22140	2.19485 LQL	43.90
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.867	8.872	(1.000)	598961	20.0000	
	28 Naphthalene	128	8.900	8.899	(1.004)	189535	5.15437	103.1
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	10.016	10.015	(1.130)	29871	1.59465	31.89
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.673	10.677	(0.914)	351582	16.0339	320.7
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	11.432	11.431	(0.978)	50507	1.62624	32.52
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.683	11.682	(1.000)	317563	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.731	11.730	(1.004)	34099	1.65393	33.08
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	11.987	11.992	(1.026)	50828	1.89290	37.86
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	12.575	12.585	(1.076)	15223	0.68697 LQL	13.74
	49 Fluorene	166	12.532	12.537	(1.073)	58309	2.54479	50.90
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	12.954	12.953	(1.109)	67230	24.5929	491.9
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.001	14.000	(1.000)	443947	20.0000	
	60 Phenanthrene	178	14.033	14.032	(1.002)	650009	21.1853	423.7
	61 Anthracene	178	14.103	14.102	(1.007)	144580	4.66002	93.20
	62 Carbazole	167	14.423	14.412	(1.030)	48052	1.81013	36.20(M)

Data File: /chem3/nt4.i/20071101.b/lr71f2.d
Report Date: 02-Nov-2007 11:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
63 Di-n-butylphthalate	149	15.225	15.197	(1.087)	68063	2.13301 Y	42.66
64 Fluoranthene	202	15.946	15.923	(1.139)	1411503	42.4918	849.8
65 Pyrene	202	16.282	16.260	(0.892)	1177697	28.1355	562.7
$ 66 Terphenyl-d14	244	16.651	16.634	(0.912)	366814	15.1800	303.6
67 Butylbenzylphthalate	149	17.602	17.558	(0.965)	39752	2.26523 Y	45.30(M)
68 Benzo(a)anthracene	228	18.227	18.199	(0.999)	371239	9.56349	191.3
* 69 Chrysene-d12	240	18.248	18.221	(1.000)	522303	20.0000	(M)
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	18.286	18.258	(1.002)	488437	12.7916	255.8
72 bis(2-Ethylhexyl)phthalate	149	18.601	18.578	(0.953)	339237	14.0308 B	280.6
* 134 Di-n-octylphthalate-d4	153	19.520	19.503	(1.000)	767428	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	19.856	19.818	(0.975)	294460	8.20089	164.0(M)
75 Benzo(k)fluoranthene	252	19.856	19.850	(0.975)	349788	9.22186	184.4(M)
76 Benzo(a)pyrene	252	20.273	20.245	(0.996)	278142	8.69827	174.0
* 77 Perylene-d12	264	20.358	20.325	(1.000)	527367	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	21.705	21.661	(1.066)	117705	3.34890	66.98(M)
79 Dibenzo(a,h)anthracene	278	21.747	21.693	(1.068)	39819	1.37941	27.59(M)
80 Benzo(g,h,i)perylene	276	22.014	21.944	(1.081)	69120	2.18330	43.67(M)
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	10.176	10.181	(1.148)	21256	1.12052	22.41
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: lr71f2.d
Lab Smp Id: LR71FRE
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

Calibration Date: 01-NOV-2007
Calibration Time: 14:35

Level: LOW
Sample Type: SOIL

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	145384	72692	290768	165938	14.14
27 Naphthalene-d8	530525	265262	1061050	598961	12.90
42 Acenaphthene-d10	280701	140350	561402	317563	13.13
59 Phenanthrene-d10	391934	195967	783868	443947	13.27
69 Chrysene-d12	354658	177329	709316	522303	47.27
134 Di-n-octylphthala	506314	253157	1012628	767428	51.57
77 Perylene-d12	400782	200391	801564	527367	31.58

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.82	6.32	7.32	6.83	0.09
27 Naphthalene-d8	8.87	8.37	9.37	8.87	-0.05
42 Acenaphthene-d10	11.68	11.18	12.18	11.68	0.01
59 Phenanthrene-d10	14.00	13.50	14.50	14.00	0.01
69 Chrysene-d12	18.22	17.72	18.72	18.25	0.15
134 Di-n-octylphthala	19.50	19.00	20.00	19.52	0.09
77 Perylene-d12	20.33	19.83	20.83	20.36	0.16

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name:
Client SDG: 20071101
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: LR71FRE
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	368.0	49.07	11-84
$ 2 Phenol-d5	750.0	469.9	62.66	25-86
$ 5 2-Chlorophenol-d4	750.0	458.2	61.10	23-91
$ 10 1,2-Dichlorobenzen	500.0	283.2	56.64	24-90
$ 18 Nitrobenzene-d5	500.0	302.3	60.46	26-88
$ 36 2-Fluorobiphenyl	500.0	320.7	64.14	34-91
$ 55 2,4,6-Tribromophen	750.0	491.9	65.58	25-107
$ 66 Terphenyl-d14	500.0	303.6	60.72	22-100

Data File: /chem3/nt4.i/20071101.b/lr71f2.d
Date : 01-NOV-2007 20:18
Client ID:
Sample Info: LR71FRE
Volume Injected (uL): 1.0
Column phase: ZB-5

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

0468

