ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-10-070928
REEXTRACT

Lab Sample ID: LR71E
LIMS ID: 07-23292
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 18:45
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 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**	**74**
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**	**24**
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	< 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	9.9	< 9.9 UJ
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**27**
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**41**
129-00-0	**Pyrene**	**20**	**31**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**20 B**
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

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-10-070928**
 REEXTRACT

Lab Sample ID: LR71E QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-23292 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 18:45

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	33.0%	2-Fluorobiphenyl	33.2%
d14-p-Terphenyl	34.0%	d4-1,2-Dichlorobenzene	30.2%
d5-Phenol	32.3%	2-Fluorophenol	27.2%
2,4,6-Tribromophenol	34.1%	d4-2-Chlorophenol	32.8%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071101.b/lr71e2.d
Lab Smp Id: LR71ERE Client Smp ID: AN-SS-10-070928
Inj Date : 01-NOV-2007 18:45
Operator : VTS Inst ID: nt4.i
Smp Info : LR71ERE
Misc Info : 07-23292
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: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LNR 11/2/07

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	65.50000	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	4.829	4.748	(0.708)	143460	10.1880	201.2
$	2 Phenol-d5	99	6.507	6.489	(0.954)	190322	12.0754	238.5
	3 Phenol	94	6.523	6.505	(0.956)	69888	3.73368	73.74
$	5 2-Chlorophenol-d4	132	6.539	6.521	(0.958)	143830	12.3024	243.0
	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	6.822	6.820	(1.000)	166412	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	7.121	7.114	(1.044)	56844	7.55645	149.2
	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.					

	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	7.693	7.686	(1.128)	15575	1.23745	24.44
$	18 Nitrobenzene-d5	82	7.773	7.771	(0.876)	131689	8.25135	163.0
	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	8.868	8.872	(1.000)	605024	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	10.674	10.677	(0.914)	182346	8.29882	163.9(R)
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.683	11.682	(1.000)	318217	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	12.581	12.585	(1.077)	12018	0.54123 LDL	10.69
	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	12.960	12.953	(1.109)	35070	12.8023	252.9
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.002	14.000	(1.000)	442973	20.0000	
	60 Phenanthrene	178	14.034	14.032	(1.002)	42424	1.38574	27.37
	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	15.925	15.923	(1.137)	68491	2.06638	40.81
	65 Pyrene	202	16.261	16.260	(0.892)	58429	1.55828	30.78
$	66 Terphenyl-d14	244	16.641	16.634	(0.913)	184131	8.50642	168.0
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	18.195	18.199	(0.999)	18778	0.54002 LDL	10.67
*	69 Chrysene-d12	240	18.222	18.221	(1.000)	467873	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	18.254	18.258	(1.002)	24197	0.70741 LDL	13.97
	72 bis(2-Ethylhexyl)phthalate	149	18.585	18.578	(0.953)	20490	1.00858 (B)	19.92
*	134 Di-n-octylphthalate-d4	153	19.504	19.503	(1.000)	644799	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	20.332	20.325	(1.000)	492457	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: lr71e2.d
Lab Smp Id: LR71ERE
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info: 07-23292

Calibration Date: 01-NOV-2007
Calibration Time: 14:35
Client Smp ID: AN-SS-10-070928
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	145384	72692	290768	166412	14.46
27 Naphthalene-d8	530525	265262	1061050	605024	14.04
42 Acenaphthene-d10	280701	140350	561402	318217	13.37
59 Phenanthrene-d10	391934	195967	783868	442973	13.02
69 Chrysene-d12	354658	177329	709316	467873	31.92
134 Di-n-octylphthala	506314	253157	1012628	644799	27.35
77 Perylene-d12	400782	200391	801564	492457	22.87

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.82	6.32	7.32	6.82	0.02
27 Naphthalene-d8	8.87	8.37	9.37	8.87	-0.04
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	18.22	0.01
134 Di-n-octylphthala	19.50	19.00	20.00	19.50	0.01
77 Perylene-d12	20.33	19.83	20.83	20.33	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.

Data File: /chem3/nt4.i/20071101.b/lr71e2.d
Report Date: 02-Nov-2007 11:41

Analytical Resources, Inc.

RECOVERY REPORT

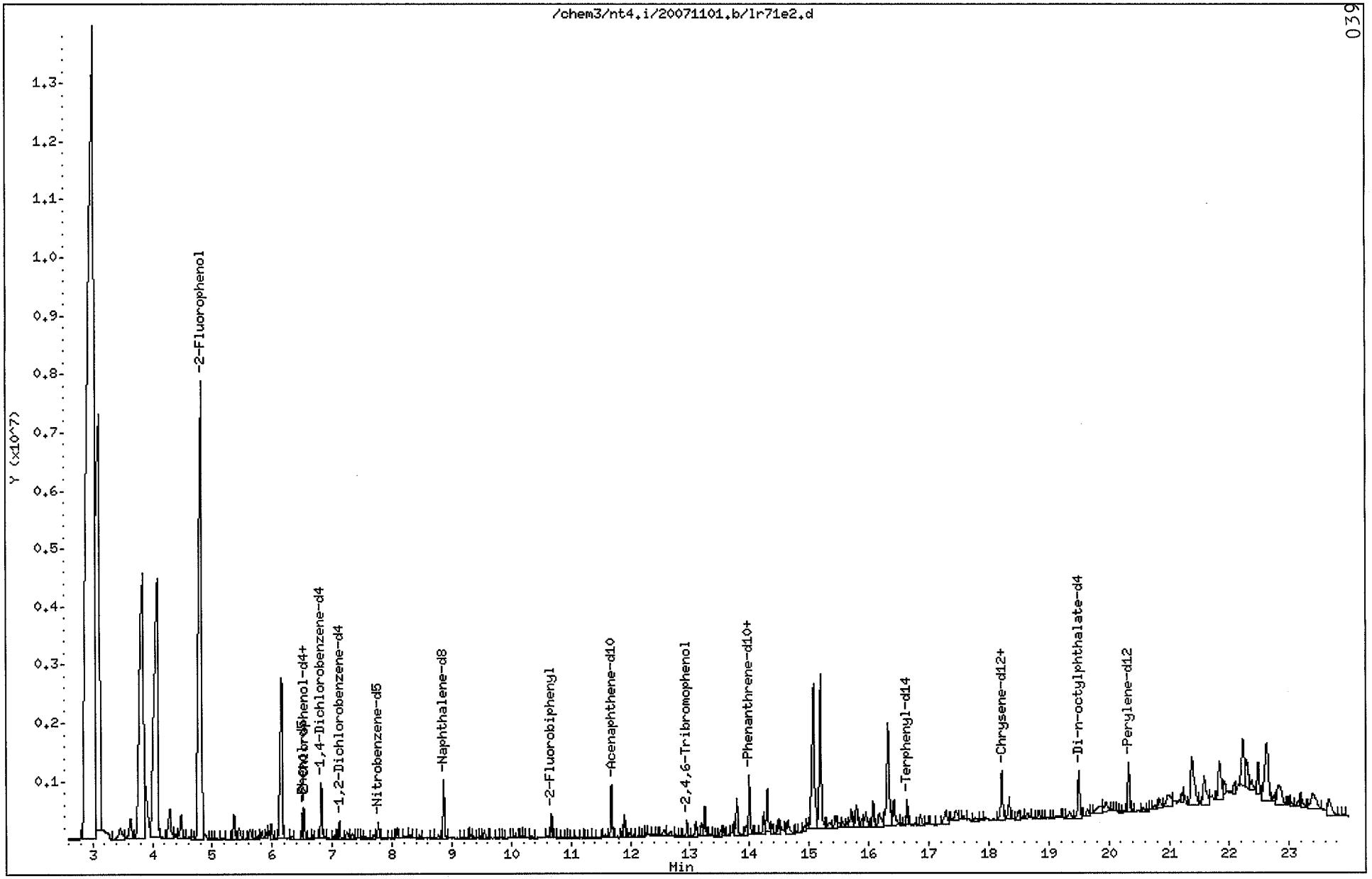
Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71ERE
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info: 07-23292

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

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	740.6	201.2	27.17	11-84
$ 2 Phenol-d5	740.6	238.5	32.20	25-86
$ 5 2-Chlorophenol-d4	740.6	243.0	32.81	23-91
$ 10 1,2-Dichlorobenzen	493.8	149.2	30.23	24-90
$ 18 Nitrobenzene-d5	493.8	163.0	33.01	26-88
$ 36 2-Fluorobiphenyl	493.8	163.9	33.20 *	34-91
$ 55 2,4,6-Tribromophen	740.6	252.9	34.14	25-107
$ 66 Terphenyl-d14	493.8	168.0	34.03	22-100

Data File: /chem3/nt4.i/20071101.b/lr71e2.d
Date : 01-NOV-2007 18:45
Client ID: AN-SS-10-070928
Sample Info: LR71ERE
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/lr71e2.d

Date : 01-NOV-2007 18:45

Client ID: AN-SS-10-070928

Instrument: nt4.i

Sample Info: LR71ERE

Volume Injected (uL): 1.0

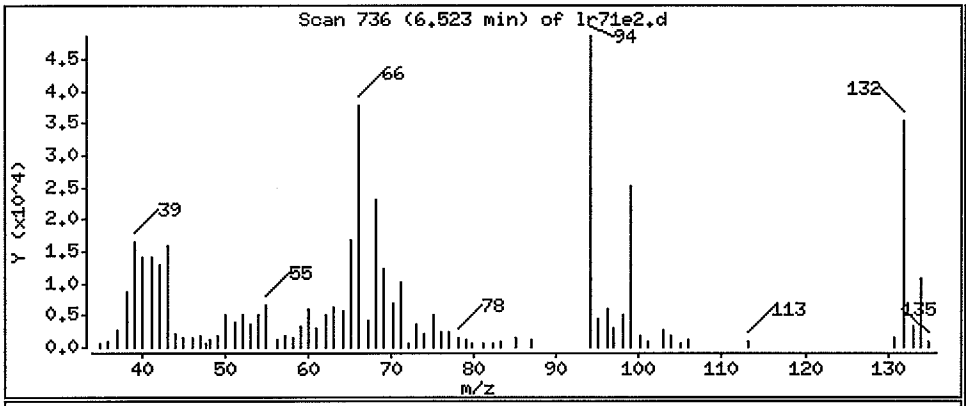
Operator: VTS

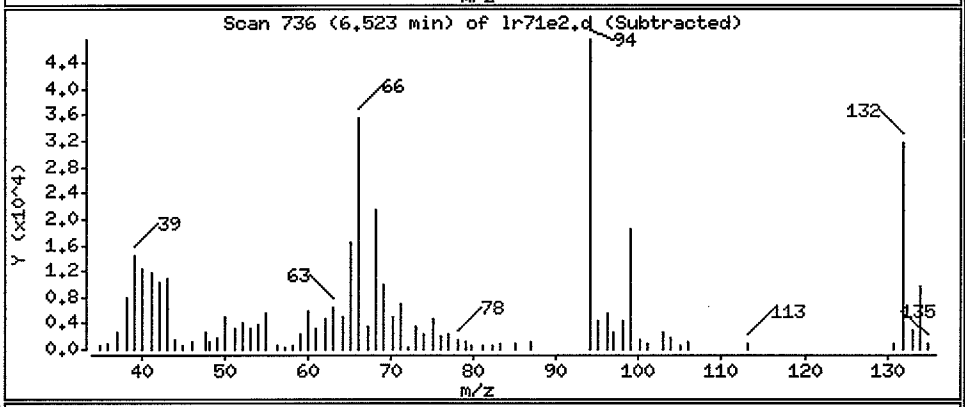
Column phase: ZB-5

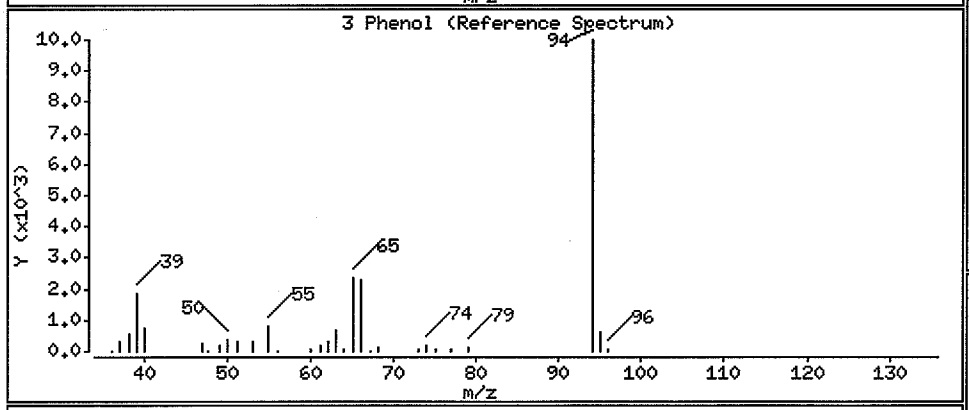
Column diameter: 0.32

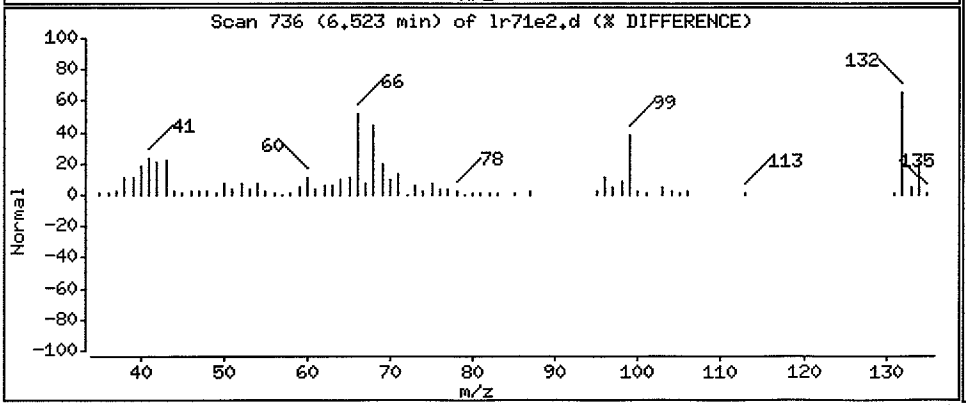
3 Phenol

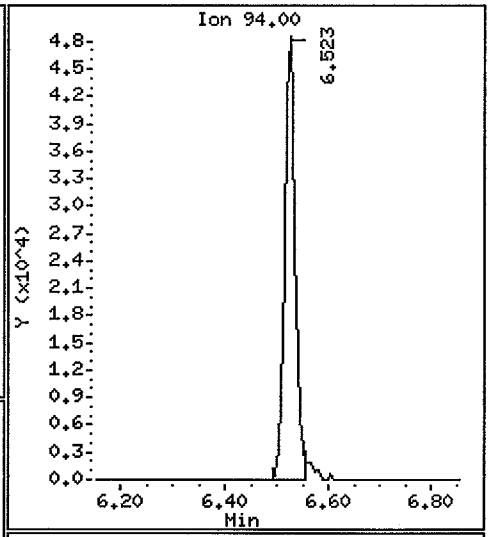
Concentration: 73.74 ug/kg

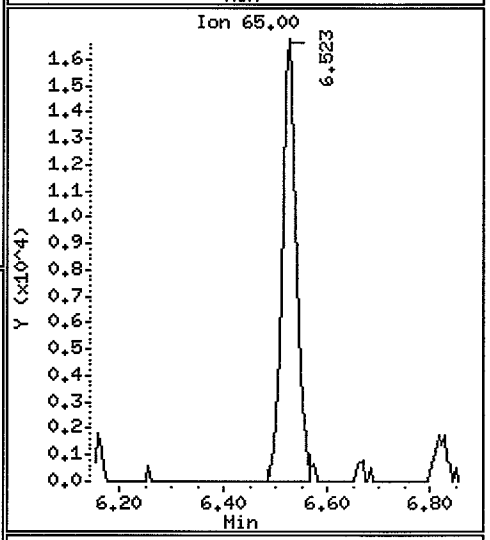


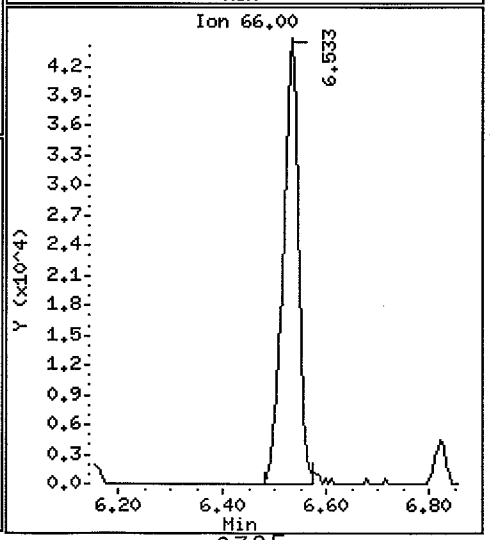












Data File: /chem3/nt4.i/20071101.b/lr71e2.d

Date : 01-NOV-2007 18:45

Client ID: AN-SS-10-070928

Instrument: nt4.i

Sample Info: LR71ERE

Volume Injected (uL): 1.0

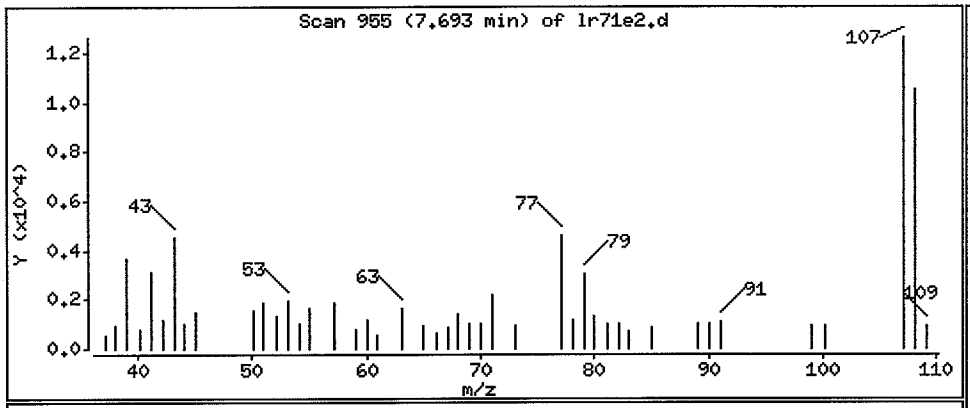
Operator: VTS

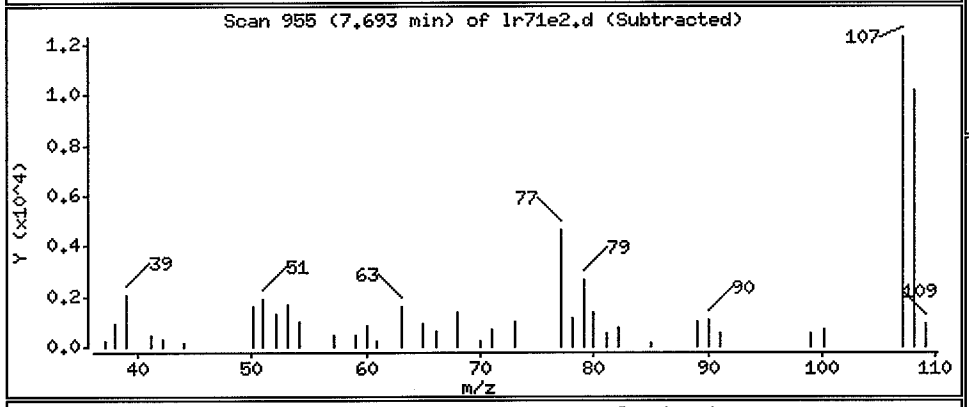
Column phase: ZB-5

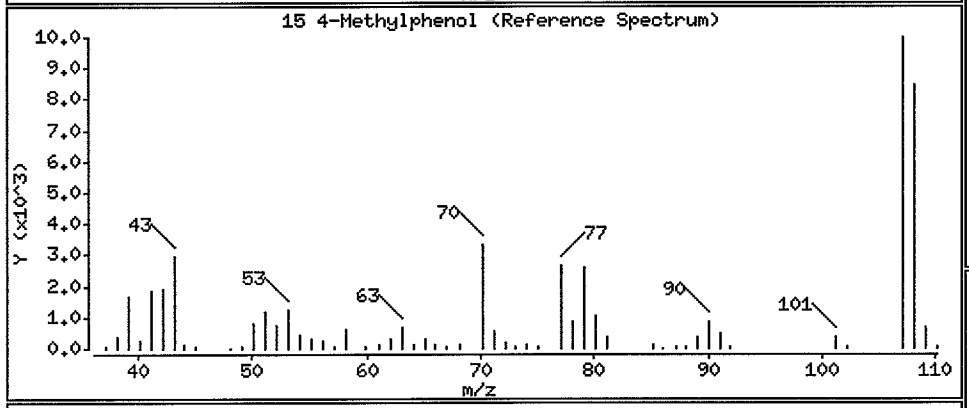
Column diameter: 0.32

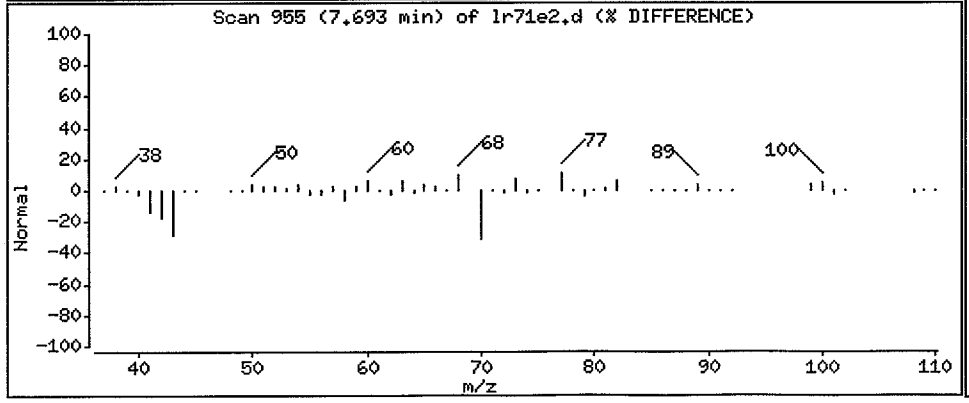
15 4-Methylphenol

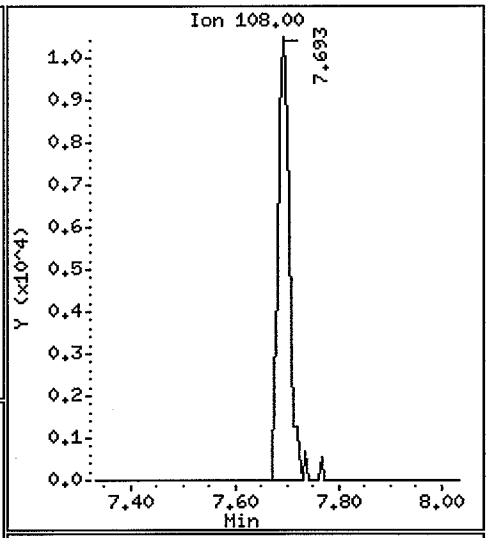
Concentration: 24.44 ug/kg

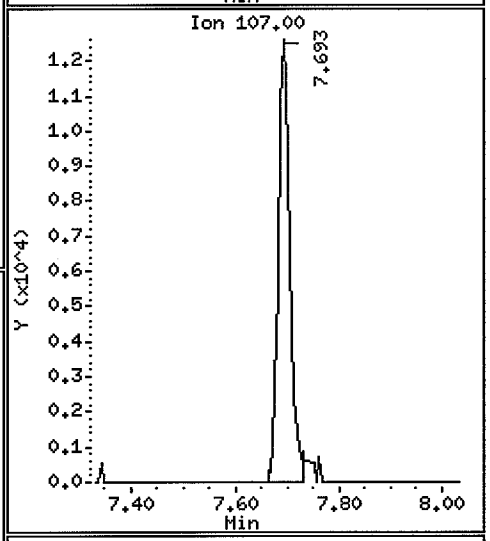


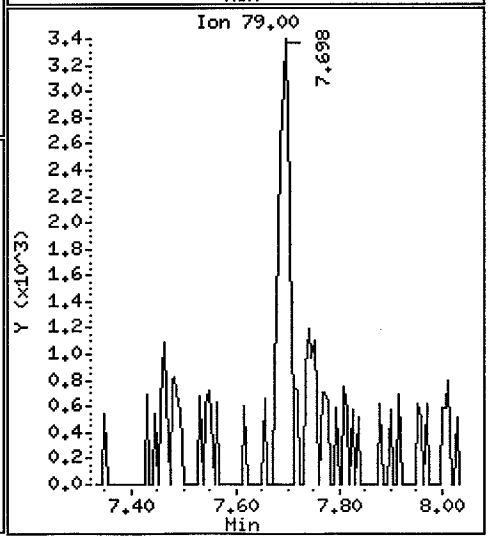












Data File: /chem3/nt4.i/20071101.b/lr71e2.d

Date : 01-NOV-2007 18:45

Client ID: AN-SS-10-070928

Instrument: nt4.i

Sample Info: LR71ERE

Volume Injected (uL): 1.0

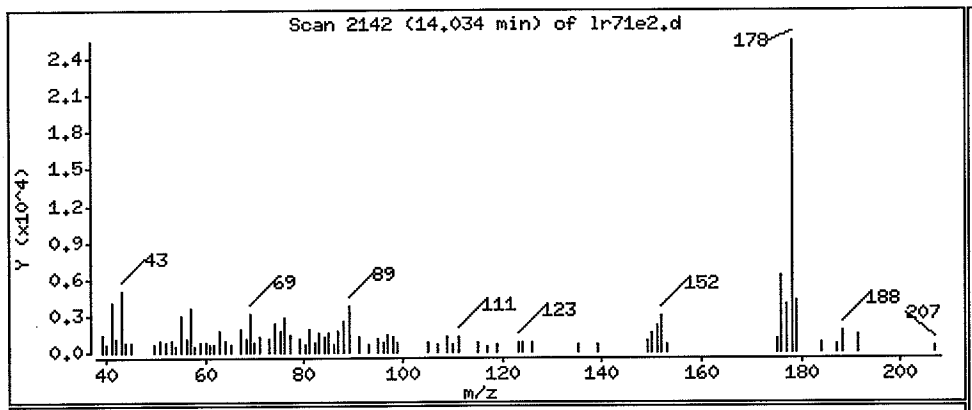
Operator: VTS

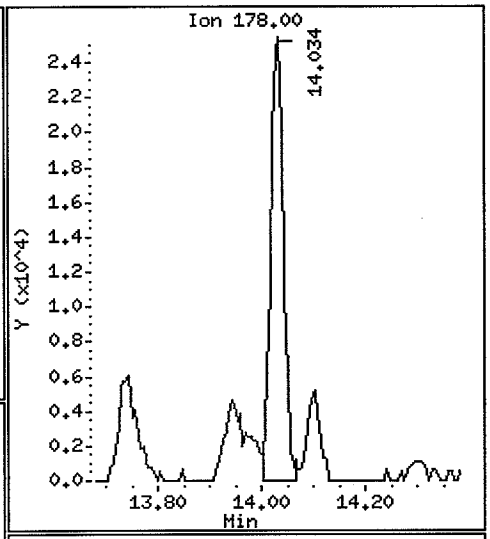
Column phase: ZB-5

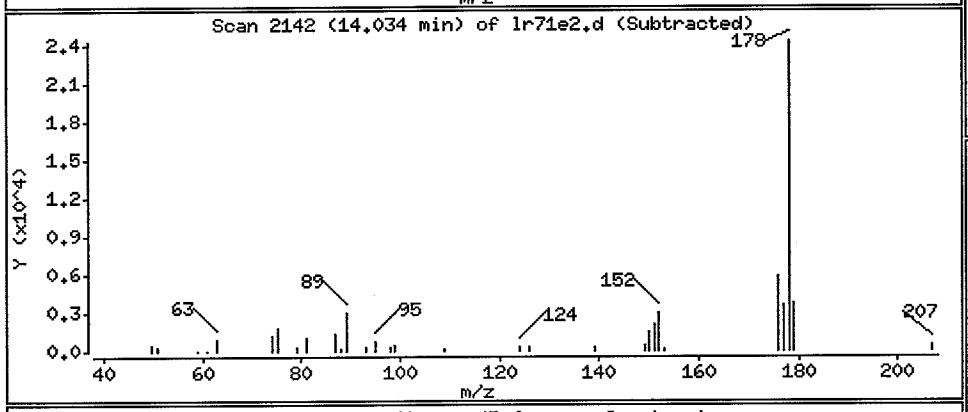
Column diameter: 0.32

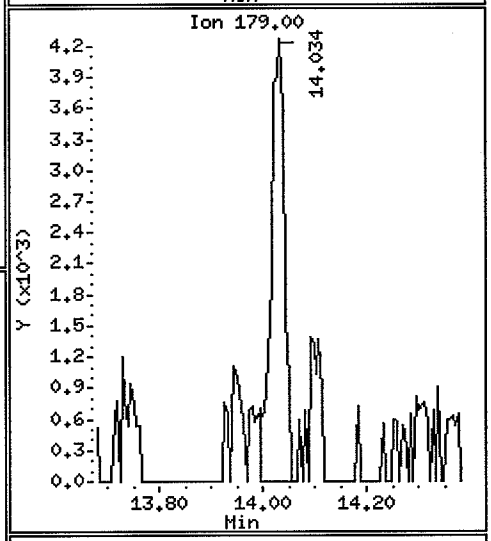
60 Phenanthrene

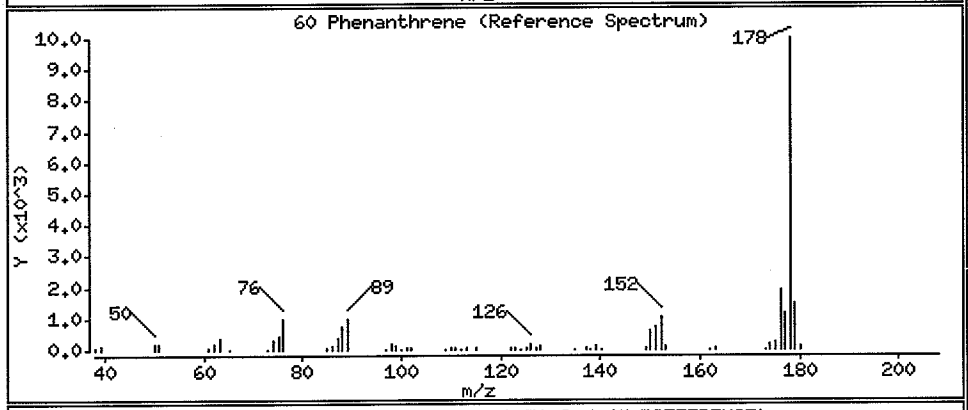
Concentration: 27.37 ug/kg

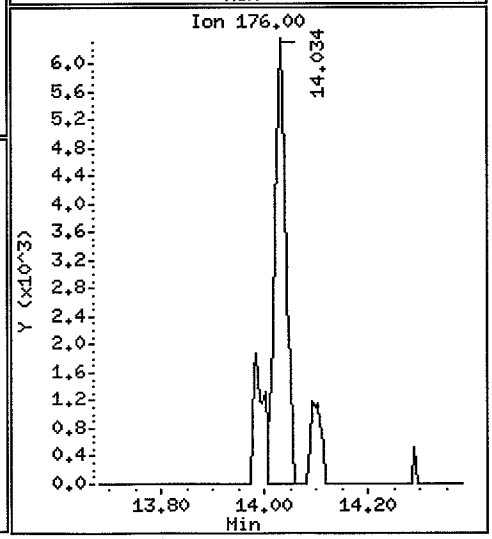


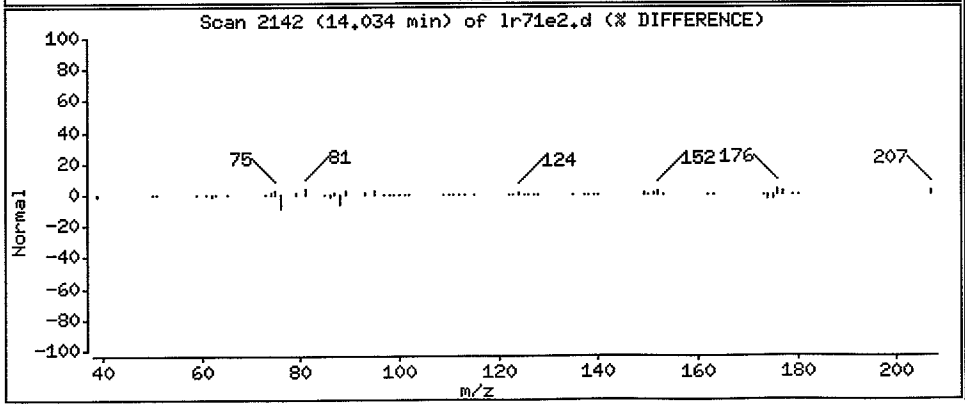












Data File: /chem3/nt4.i/20071101.b/lr71e2.d

Date : 01-NOV-2007 18:45

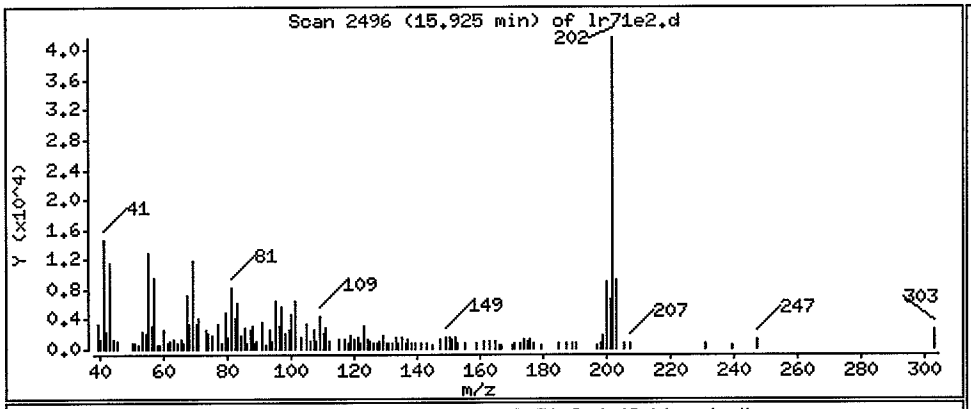
Client ID: AN-SS-10-070928 Instrument: nt4.i

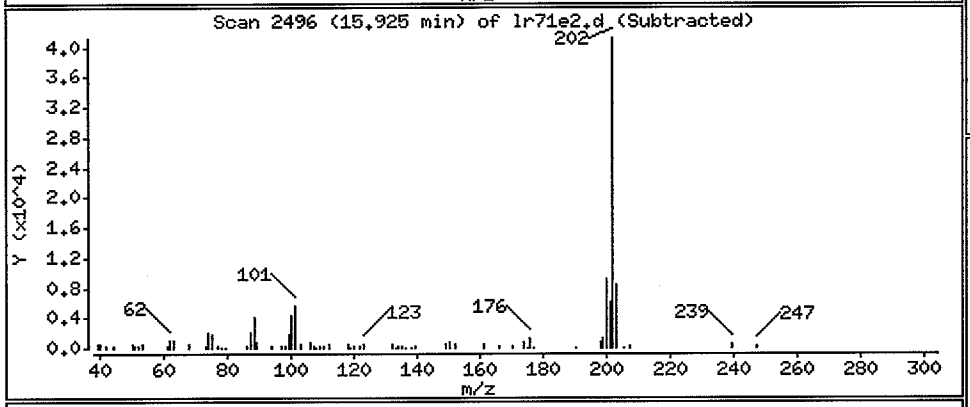
Sample Info: LR71ERE

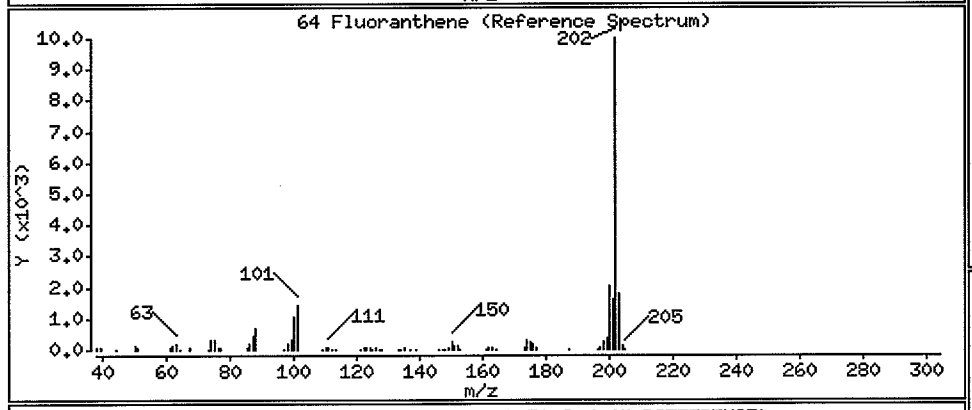
Volume Injected (uL): 1.0 Operator: VTS

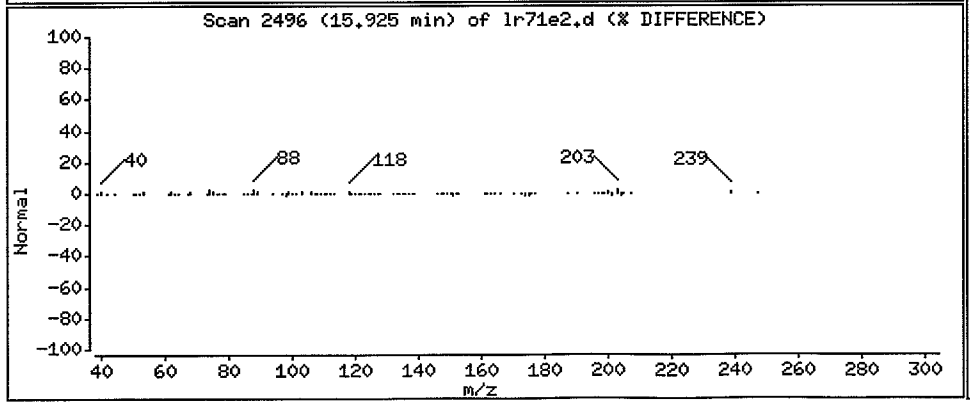
Column phase: ZB-5 Column diameter: 0.32

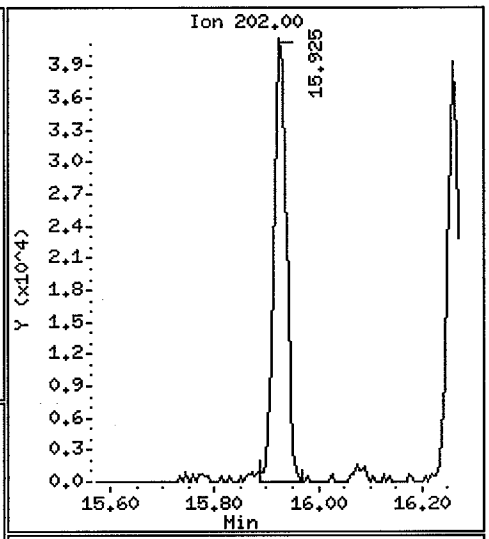
64 Fluoranthene Concentration: 40.81 ug/kg

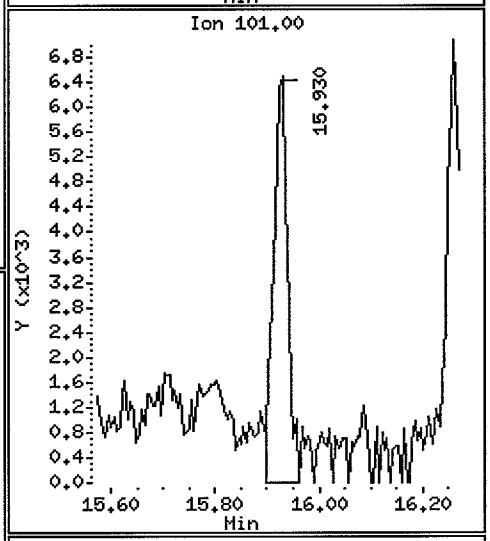


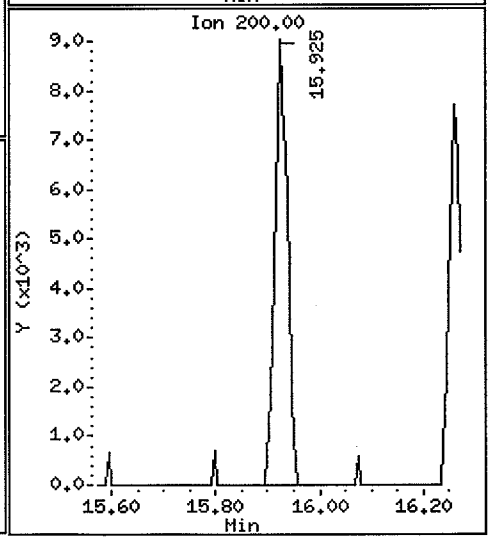












Data File: /chem3/nt4.i/20071101.b/lr71e2.d

Date : 01-NOV-2007 18:45

Client ID: AN-SS-10-070928

Instrument: nt4.i

Sample Info: LR71ERE

Volume Injected (uL): 1.0

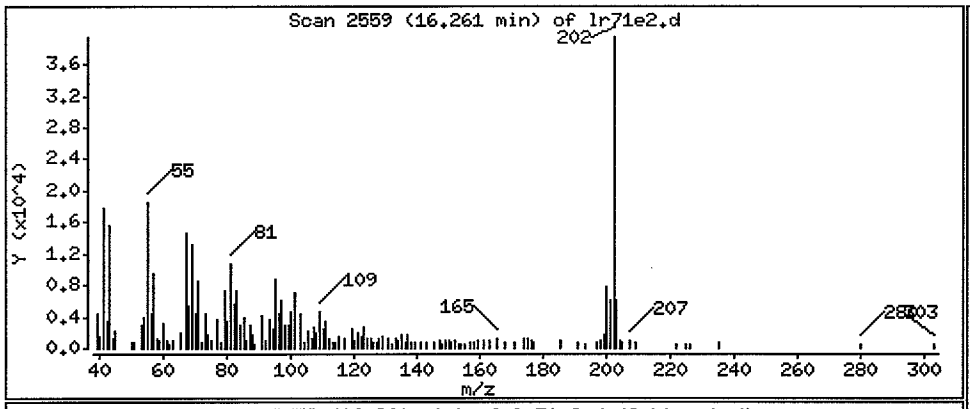
Operator: VTS

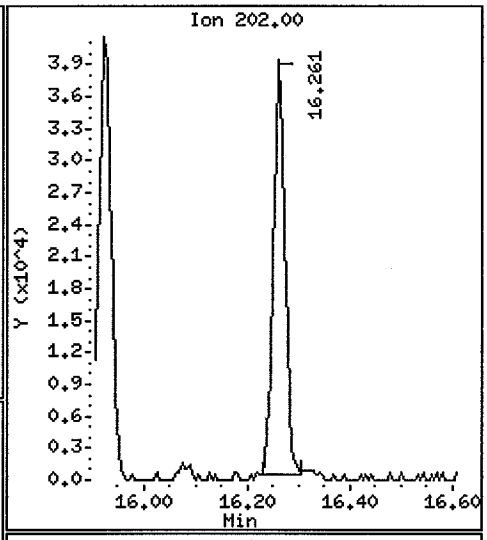
Column phase: ZB-5

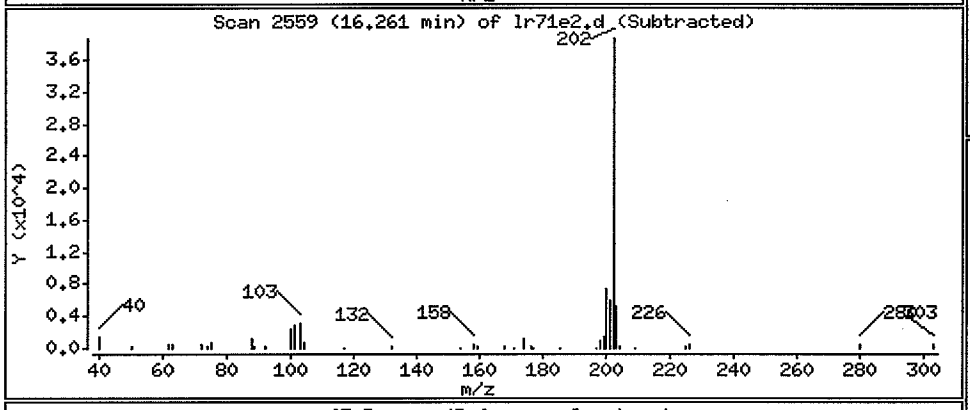
Column diameter: 0.32

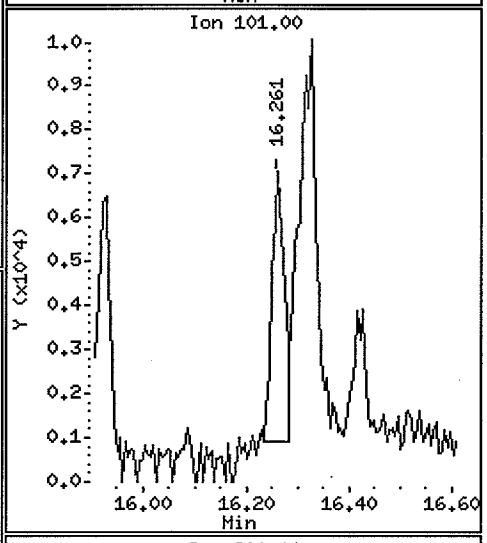
65 Pyrene

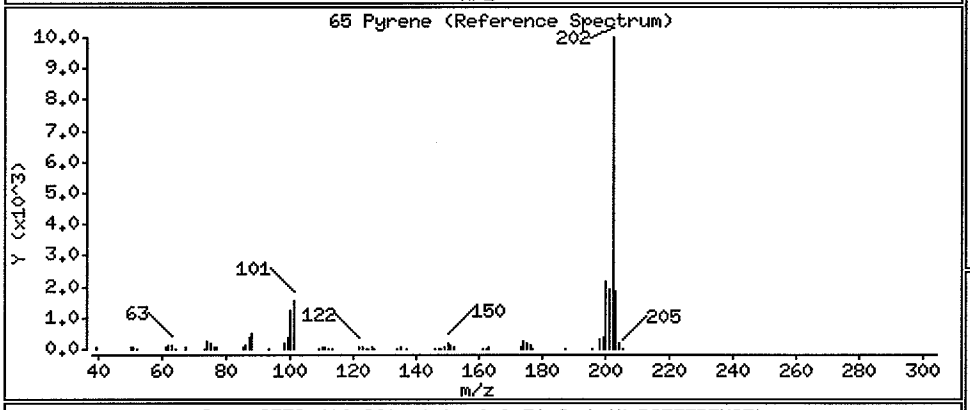
Concentration: 30.78 ug/kg

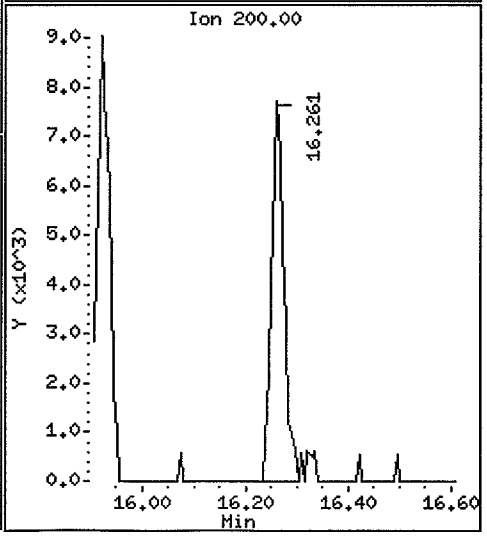


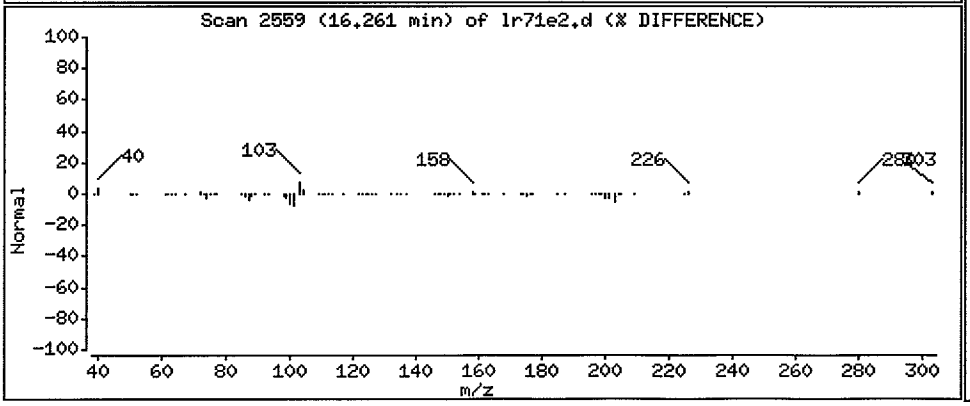












Data File: /chem3/nt4.i/20071101.b/lr71e2.d

Date : 01-NOV-2007 18:45

Client ID: AN-SS-10-070928 Instrument: nt4.i

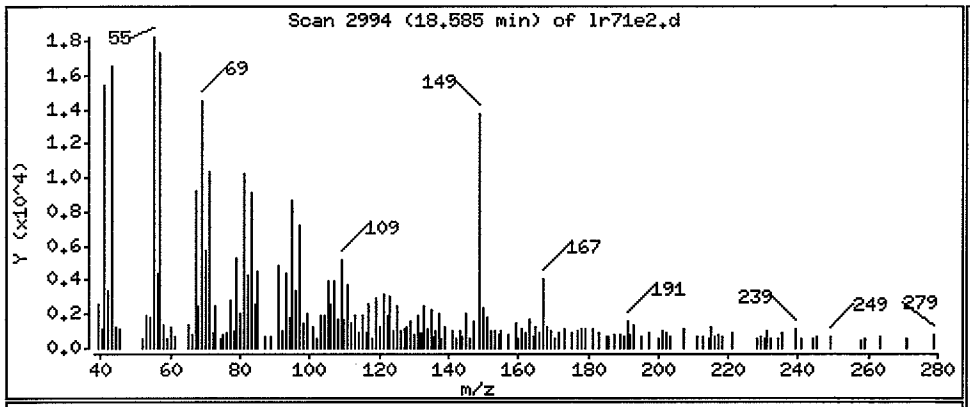
Sample Info: LR71ERE

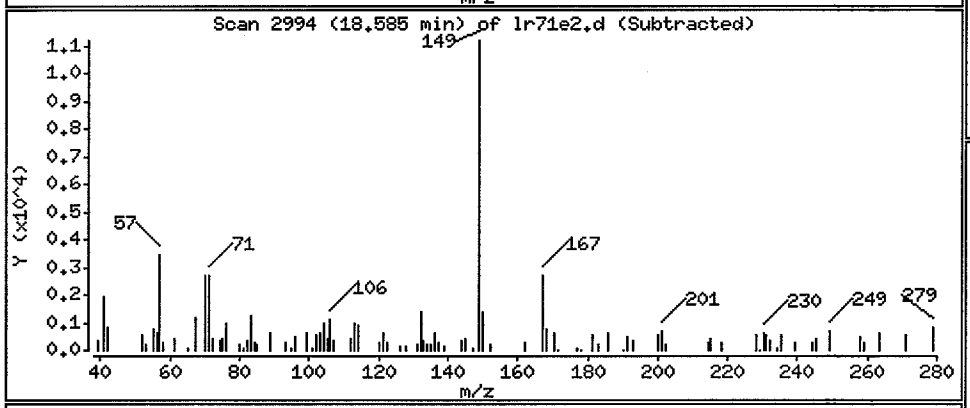
Volume Injected (uL): 1.0 Operator: VTS

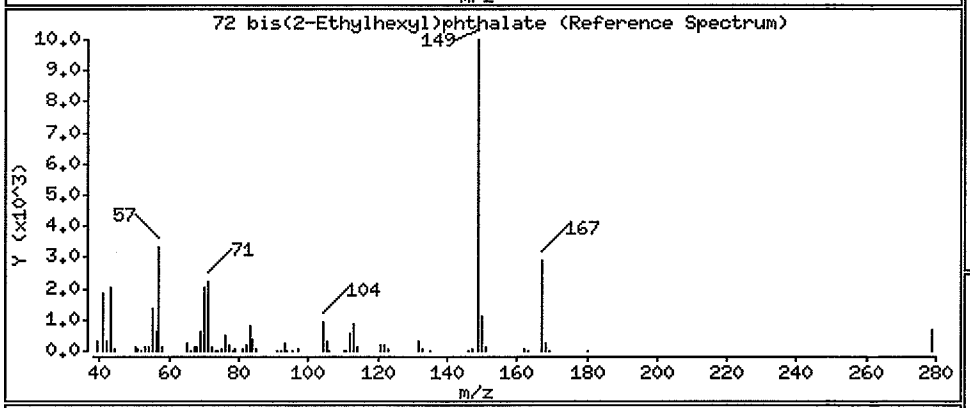
Column phase: ZB-5 Column diameter: 0.32

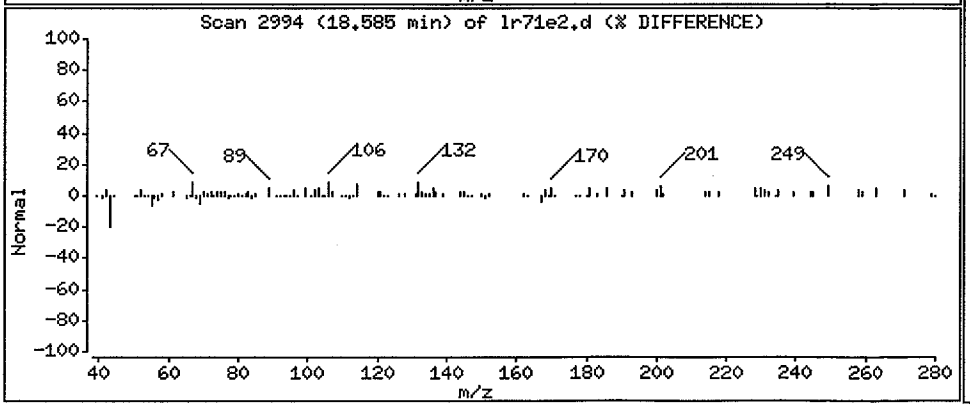
72 bis(2-Ethylhexyl)phthalate Concentration: 19.92 ug/kg

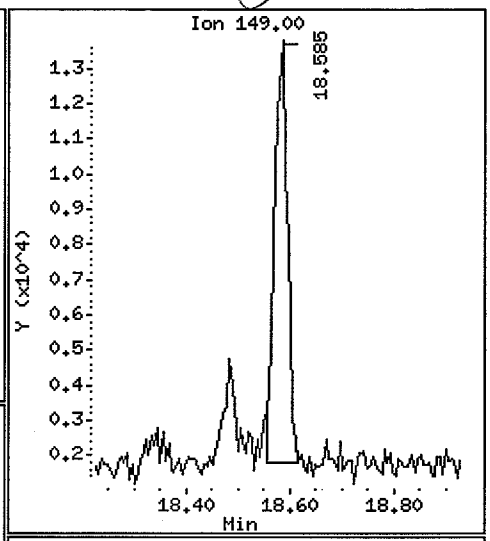
B

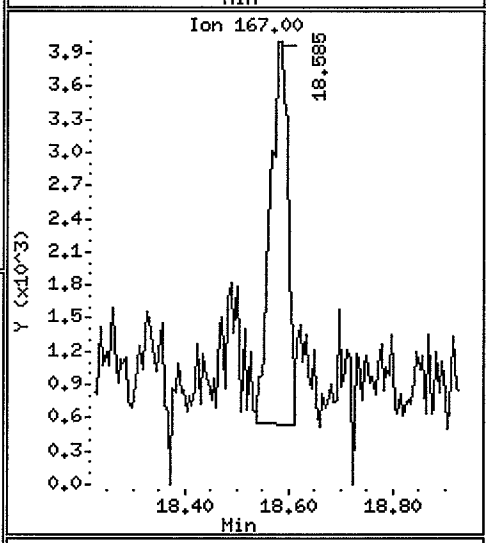


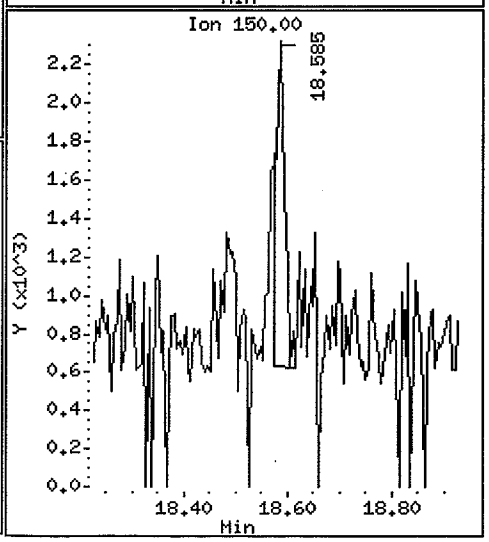












Data File: /chem3/nt4.i/20071101.b/lr71e2.d

Date : 01-NOV-2007 18:45

Client ID: AN-SS-10-070928

Instrument: nt4.i

Sample Info: LR71ERE

Volume Injected (uL): 1.0

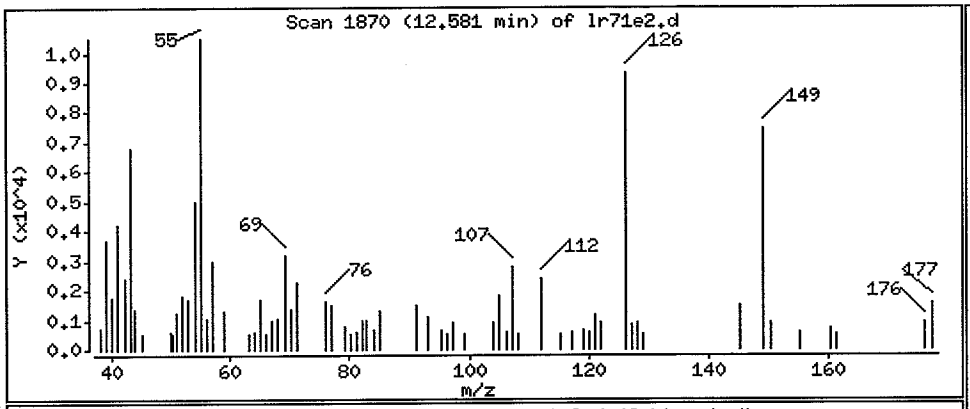
Operator: VTS

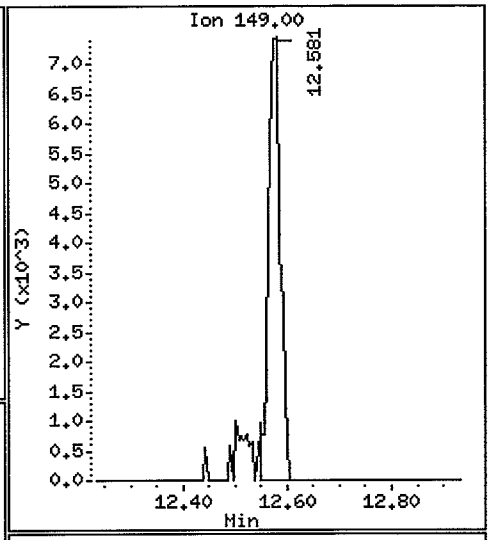
Column phase: ZB-5

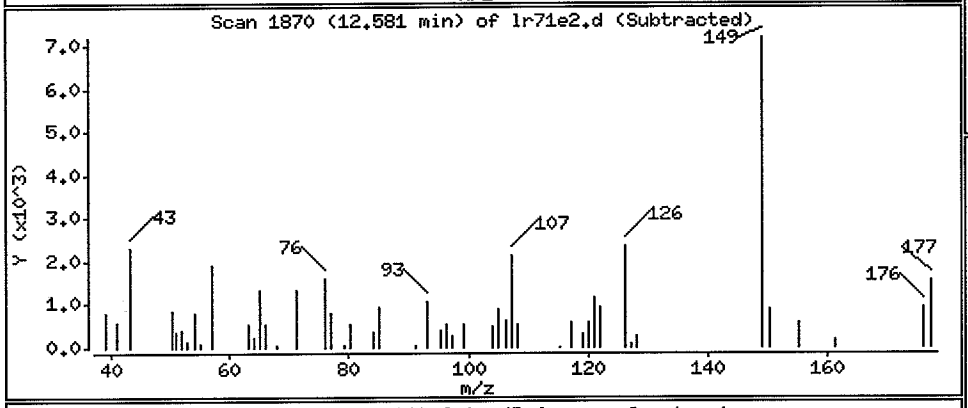
Column diameter: 0.32

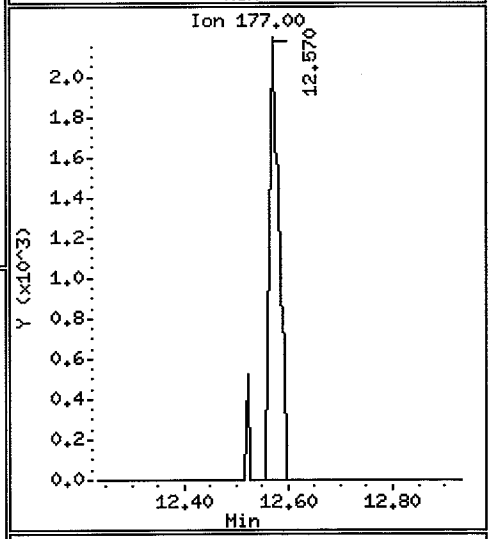
50 Diethylphthalate

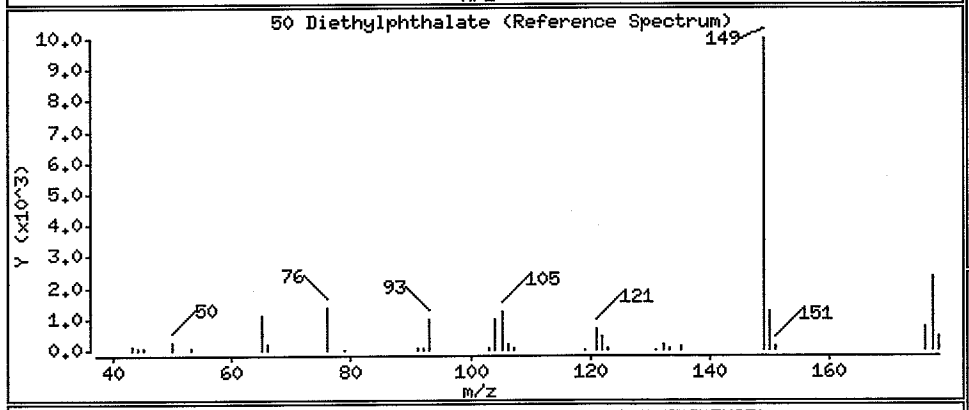
Concentration: 10.69 ug/kg

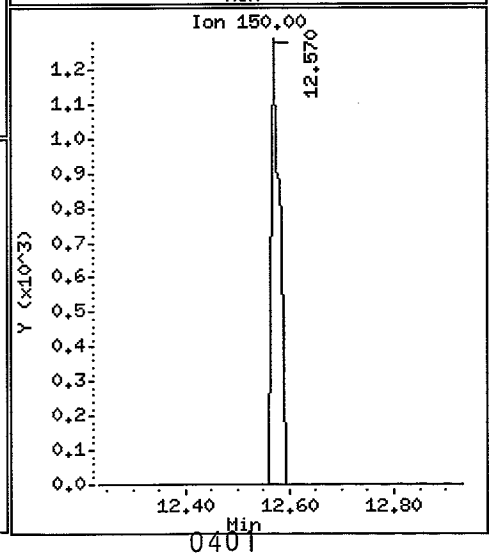


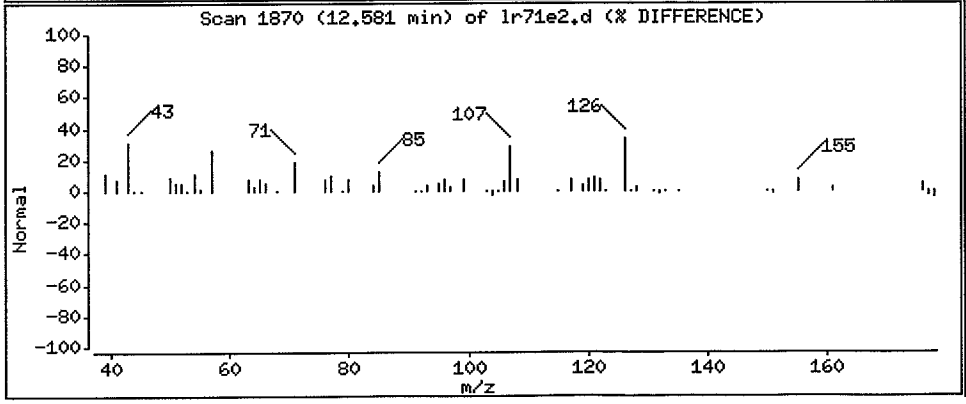












Data File: /chem3/nt4.i/20071101.b/lr71e2.d

Date : 01-NOV-2007 18:45

Client ID: AN-SS-10-070928

Instrument: nt4.i

Sample Info: LR71ERE

Volume Injected (uL): 1.0

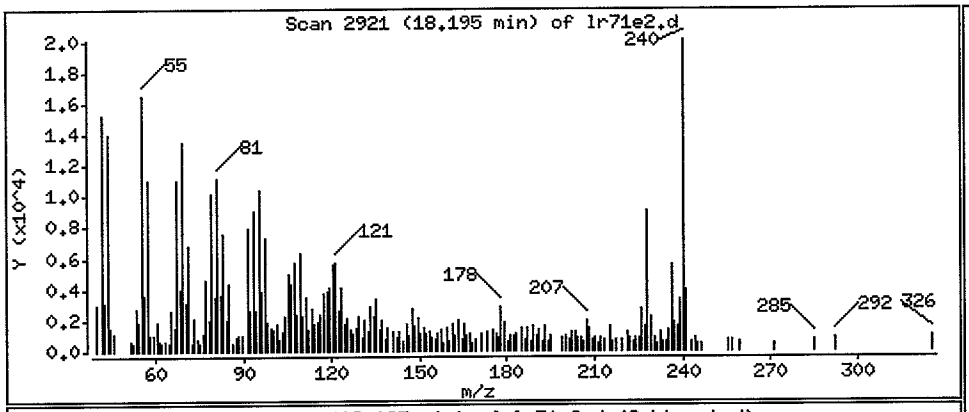
Operator: VTS

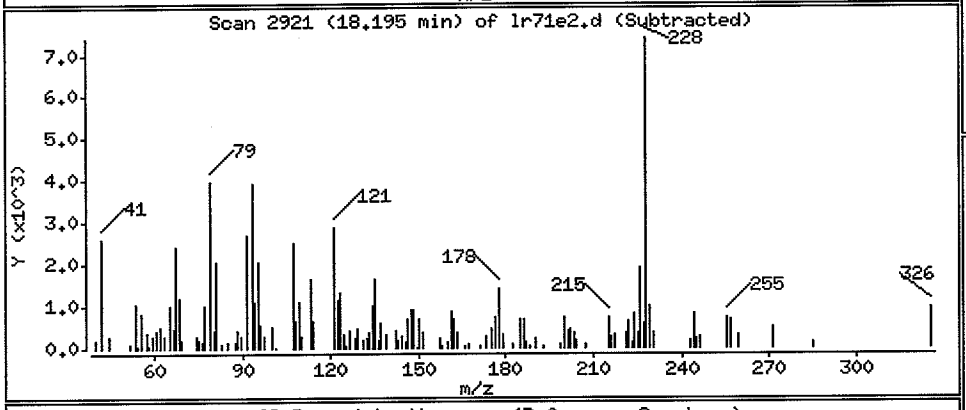
Column phase: ZB-5

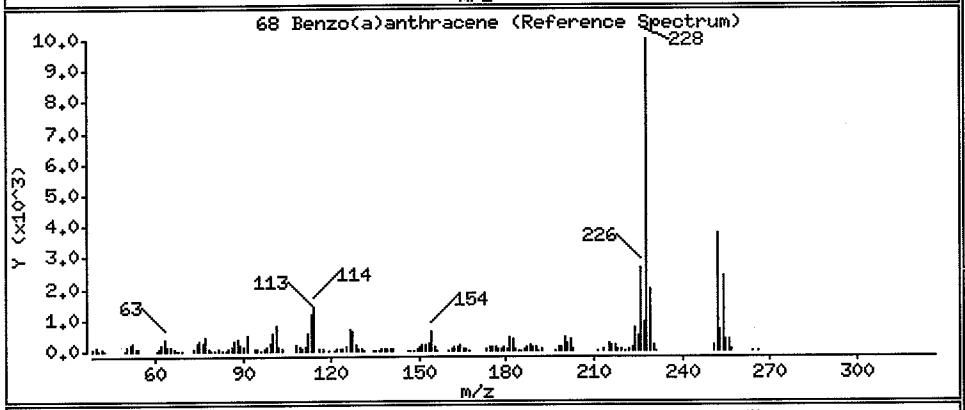
Column diameter: 0.32

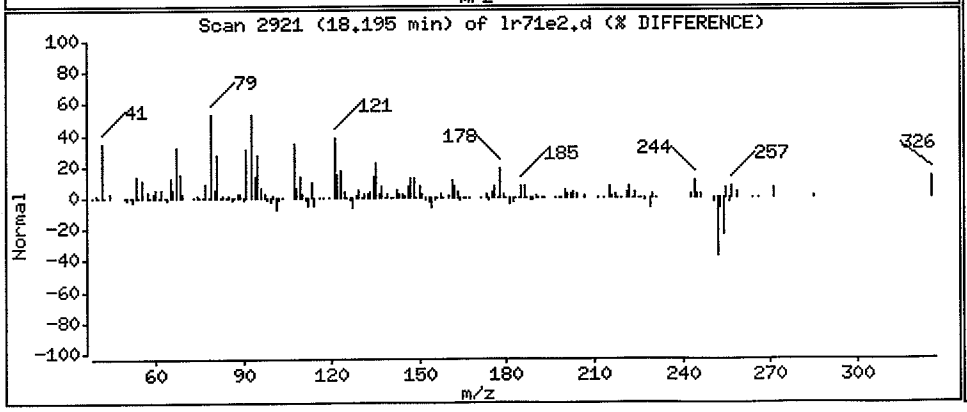
68 Benzo(a)anthracene

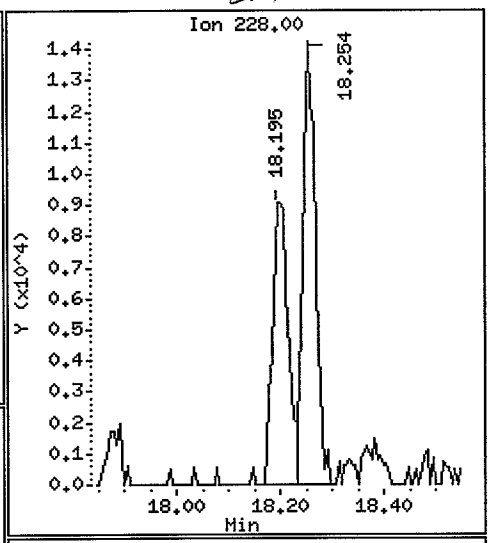
Concentration: 10.67 ug/kg

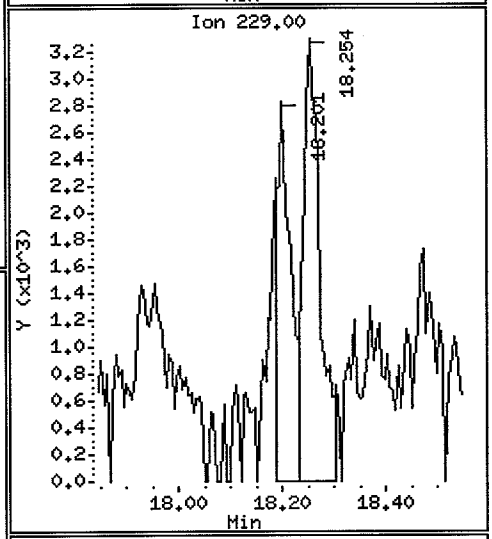


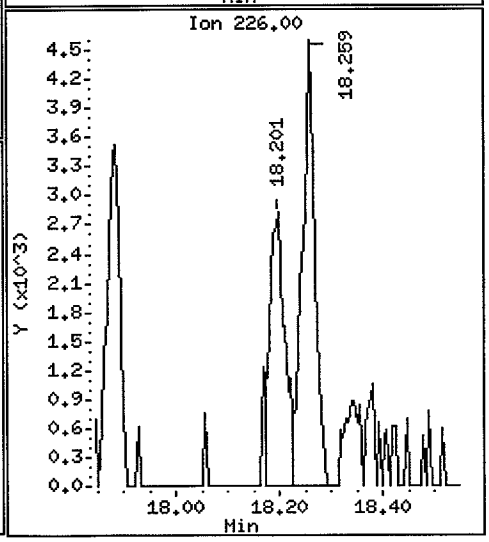












Data File: /chem3/nt4.i/20071101.b/lr71e2.d

Date : 01-NOV-2007 18:45

Client ID: AN-SS-10-070928

Instrument: nt4.i

Sample Info: LR71ERE

Volume Injected (uL): 1.0

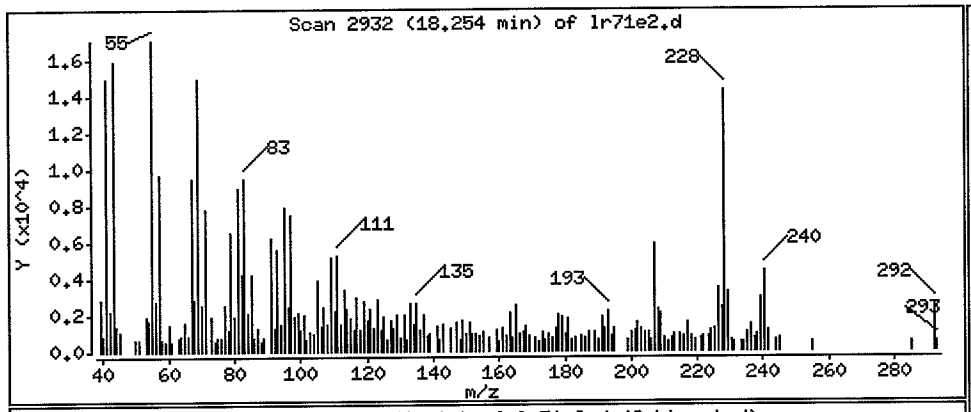
Operator: VTS

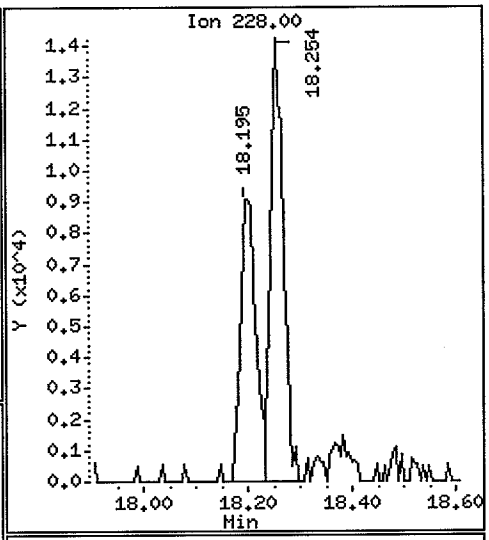
Column phase: ZB-5

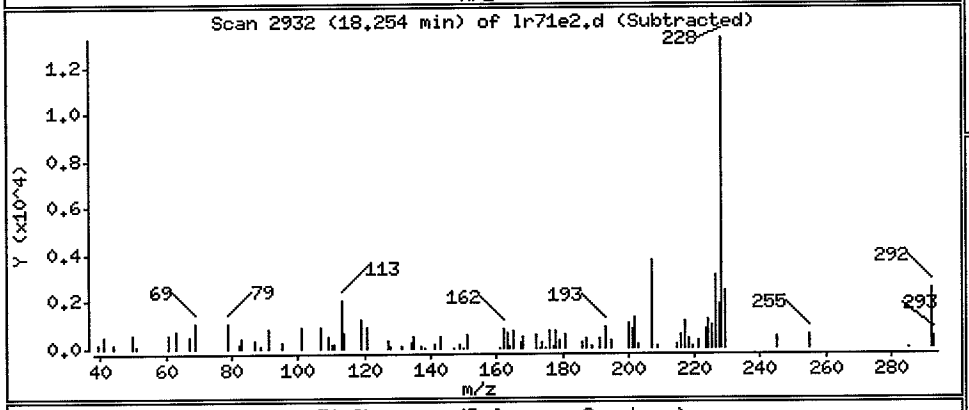
Column diameter: 0.32

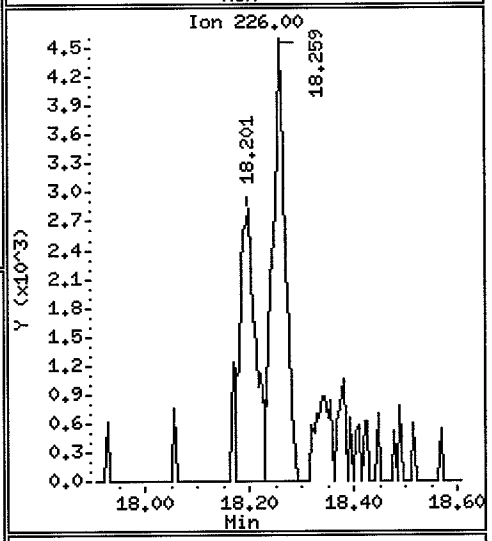
71 Chrysene

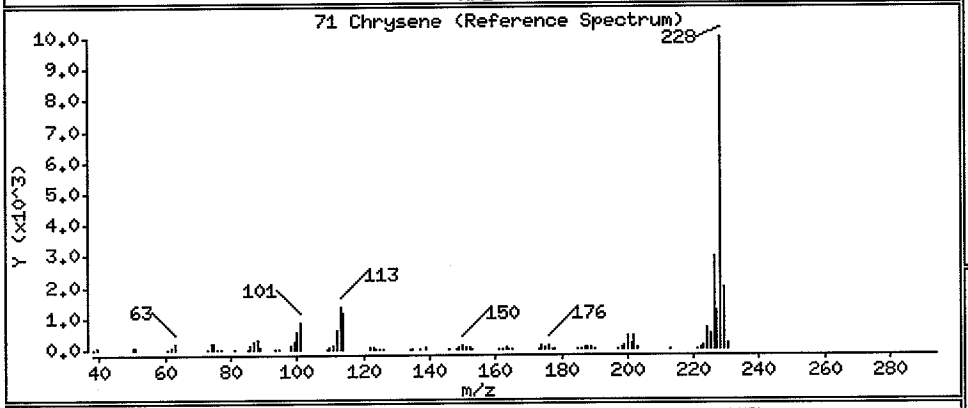
Concentration: 13.97 ug/kg

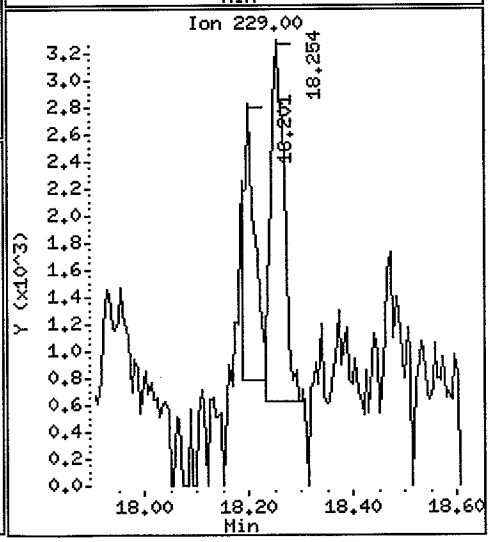


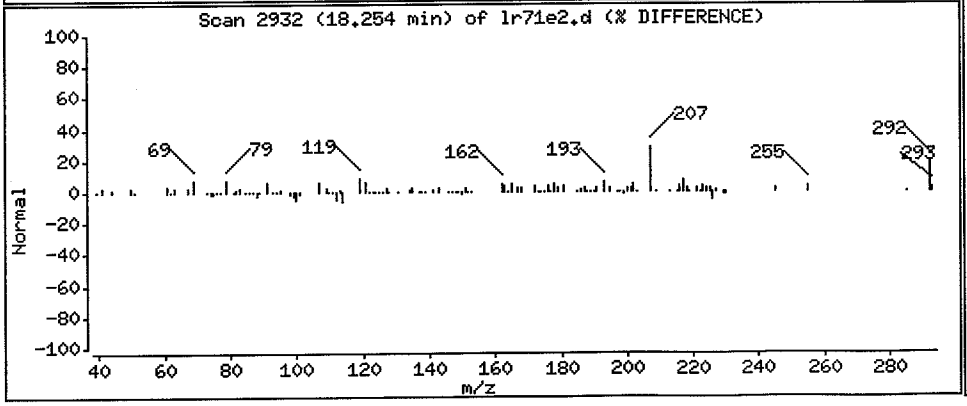












ANALYTICAL RESOURCES INCORPORATED

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

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: 10/18/07 18:36
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: 32.9%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**40**
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**	**40**
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**	**21**
83-32-9	Acenaphthene	20	< 20 U
132-64-9	**Dibenzofuran**	**20**	**23**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**31**
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**	**280**
120-12-7	**Anthracene**	**20**	**110**
84-74-2	**Di-n-Butylphthalate**	**20**	**44**
206-44-0	**Fluoranthene**	**20**	**2,000 E**
129-00-0	**Pyrene**	**20**	**1,200**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**490**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**250**
218-01-9	**Chrysene**	**20**	**650**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**370**
207-08-9	**Benzo(k)fluoranthene**	**20**	**260**
50-32-8	**Benzo(a)pyrene**	**20**	**220**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**37**
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	**Benzo(g,h,i)perylene**	**20**	**21**

Lab Sample ID: LR71F
LIMS ID: 07-20771
Matrix: Sediment
Date Analyzed: 10/18/07 18:36

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	46.4%	2-Fluorobiphenyl	46.8%
d14-p-Terphenyl	55.6%	d4-1,2-Dichlorobenzene	42.0%
d5-Phenol	47.7%	2-Fluorophenol	56.3%
2,4,6-Tribromophenol	60.0%	d4-2-Chlorophenol	48.3%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071018.b/lr71f.d
Lab Smp Id: LR71F Client Smp ID: AN-SS-11-070928
Inj Date : 18-OCT-2007 18:36
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71F
Misc Info : 07-20771
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: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 10/25/07

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	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	5.975	5.917	(0.755)	294006	21.0648	418.6
$	2 Phenol-d5	99	7.498	7.488	(0.947)	319421	17.9153	356.0
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	7.615	7.600	(0.962)	215105	18.1142	359.9
	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)	189400	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	8.214	8.204	(1.038)	93569	10.5076	208.8
	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)	26423	1.98660	39.48
$	18 Nitrobenzene-d5	82	8.844	8.845	(0.887)	221080	11.5791	230.1
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.971	9.961	(1.000)	594257	20.0000	
	28 Naphthalene	128	9.998	9.999	(1.003)	73579	2.00868	39.91
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	11.131	11.126	(1.116)	15392	0.83627 LDL	16.62
	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)	325964	11.7398	233.3
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	12.594	12.584	(0.980)	38559	1.05445	20.95
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.851	12.841	(1.000)	356615	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.899	12.894	(1.004)	18639	0.80760 LDL	16.05
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	13.161	13.156	(1.024)	37386	1.15624	22.98
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	13.721	13.711	(1.068)	40281	1.57722	31.34
	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)	77825	22.4933	447.0
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	15.239	15.223	(1.000)	642771	20.0000	
	60 Phenanthrene	178	15.271	15.261	(1.002)	574788	13.9374	276.9
	61 Anthracene	178	15.345	15.335	(1.007)	236994	5.73917	114.0
	62 Carbazole	167	15.634	15.624	(1.026)	67195	1.82934	36.35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	16.371	16.350	(1.074)	95768	2.23602	44.43
64	Fluoranthene	202	17.253	17.205	(1.132)	4678824	99.2082 E	1971
65	Pyrene	202	17.600	17.563	(0.899)	3693085	59.8630	1190
$ 66	Terphenyl-d14	244	17.910	17.884	(0.914)	537167	13.9109	276.4
67	Butylbenzylphthalate	149	18.807	18.776	(0.960)	14235	0.52476 LDL	10.43 (M)
68	Benzo(a)anthracene	228	19.566	19.529	(0.999)	1651986	24.5459	487.7
* 69	Chrysene-d12	240	19.587	19.556	(1.000)	858973	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	19.630	19.598	(1.002)	1976020	32.6719	649.2
72	bis(2-Ethylhexyl)phthalate	149	19.806	19.785	(0.955)	461048	12.5900	250.2
* 134	Di-n-octylphthalate-d4	153	20.741	20.720	(1.000)	1211080	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	21.222	21.190	(0.976)	781952	18.4837	367.3
75	Benzo(k)fluoranthene	252	21.249	21.228	(0.977)	593610	13.2645	263.6 (M)
76	Benzo(a)pyrene	252	21.671	21.639	(0.997)	425413	10.9543	217.7
* 77	Perylene-d12	264	21.745	21.719	(1.000)	589128	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	23.236	23.215	(1.069)	84996	1.84545	36.67
79	Dibenzo(a,h)anthracene	278	23.257	23.236	(1.070)	32635	0.84337 LDL	16.76 (M)
80	Benzo(g,h,i)perylene	276	23.642	23.616	(1.087)	49001	1.06392	21.14
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	11.301	11.297	(1.133)	11106	0.60508 LDL	12.02
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: lr71f.d
Lab Smp Id: LR71F
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20771

Calibration Date: 18-OCT-2007
Calibration Time: 10:07
Client Smp ID: AN-SS-11-070928
Level: LOW
Sample Type: Sediment

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	189400	-10.69
27 Naphthalene-d8	656578	328289	1313156	594257	-9.49
42 Acenaphthene-d10	353705	176852	707410	356615	0.82
59 Phenanthrene-d10	526440	263220	1052880	642771	22.10
69 Chrysene-d12	581923	290962	1163846	858973	47.61
134 Di-n-octylphthala	979097	489548	1958194	1211080	23.69
77 Perylene-d12	686531	343266	1373062	589128	-14.19

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT 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	15.24	0.10
69 Chrysene-d12	19.56	19.06	20.06	19.59	0.16
134 Di-n-octylphthala	20.72	20.22	21.22	20.74	0.10
77 Perylene-d12	21.72	21.22	22.22	21.75	0.12

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

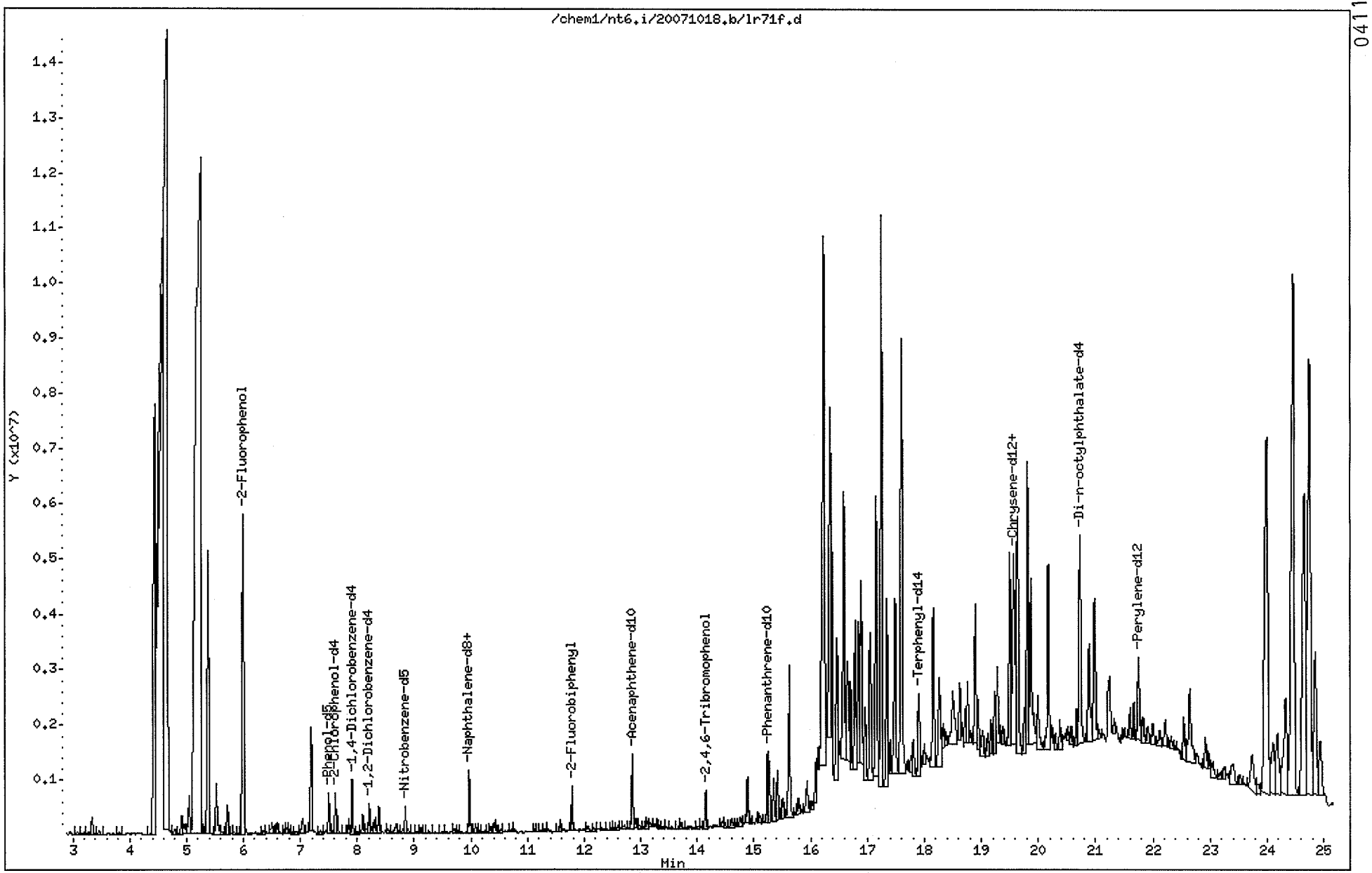
Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71F
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20771

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	418.6	56.17	11-84
$ 2 Phenol-d5	745.2	356.0	47.77	25-86
$ 5 2-Chlorophenol-d4	745.2	359.9	48.30	23-91
$ 10 1,2-Dichlorobenzen	496.8	208.8	42.03	24-90
$ 18 Nitrobenzene-d5	496.8	230.1	46.32	26-88
$ 36 2-Fluorobiphenyl	496.8	233.3	46.96	34-91
$ 55 2,4,6-Tribromophen	745.2	447.0	59.98	25-107
$ 66 Terphenyl-d14	496.8	276.4	55.64	22-100

Data File: /chem1/nt6.i/20071018.b/lr71f.d
Date : 18-OCT-2007 18:36
Client ID: AN-SS-11-070928
Sample Info: LR71F
Volume Injected (uL): 1.0
Column phase: ZB-5

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



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

Date : 18-OCT-2007 18:36

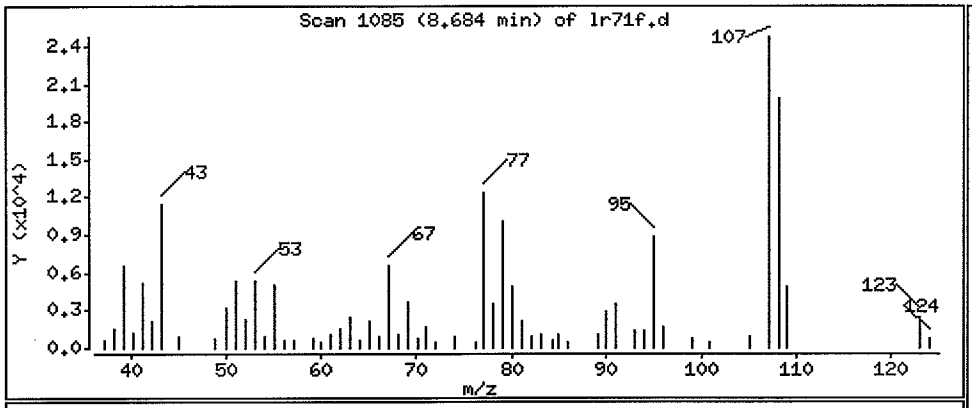
Client ID: AN-SS-11-070928 Instrument: nt6.i

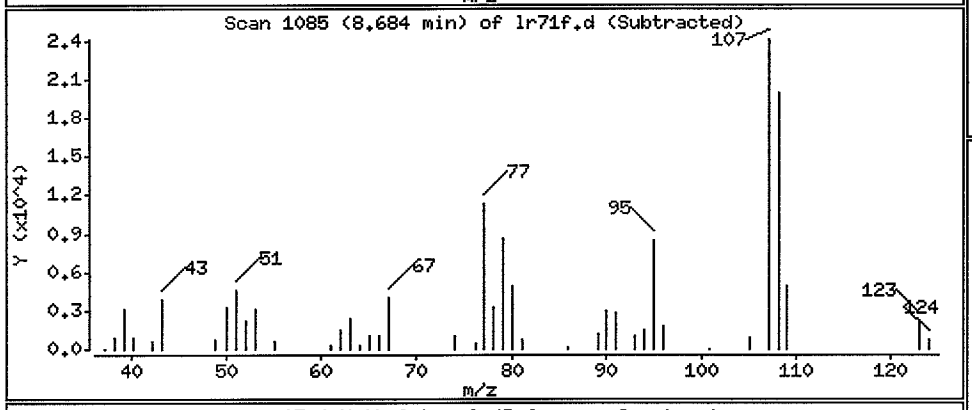
Sample Info: LR71F

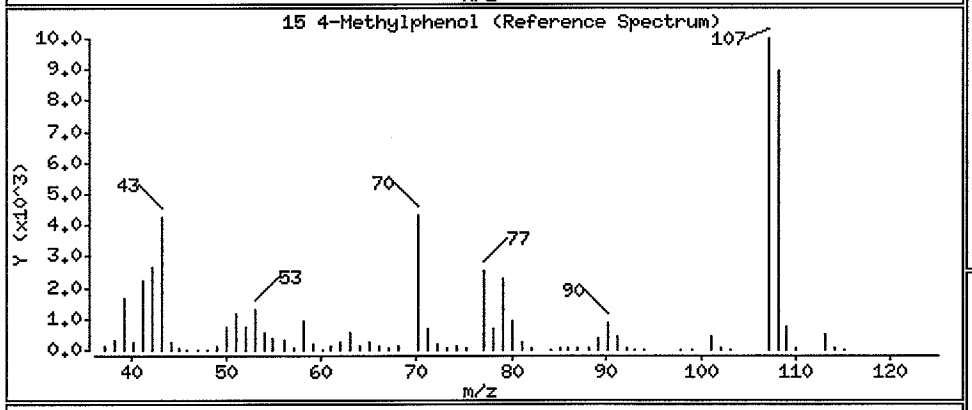
Volume Injected (uL): 1.0 Operator: LJR/VTS

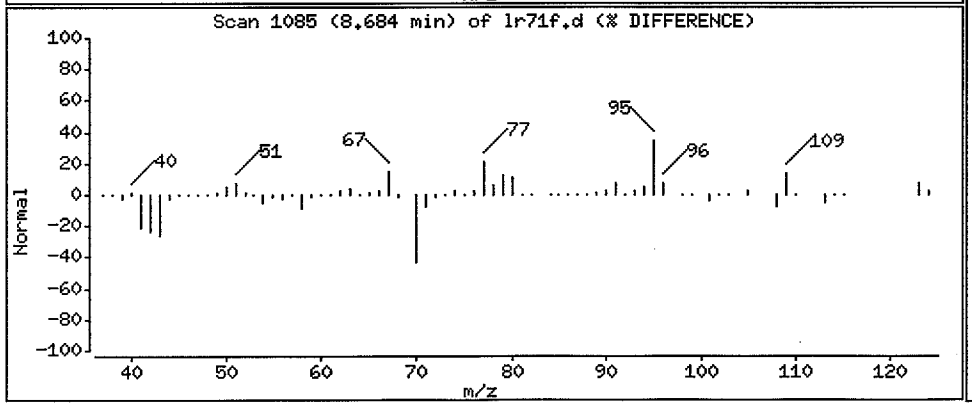
Column phase: ZB-5 Column diameter: 0.32

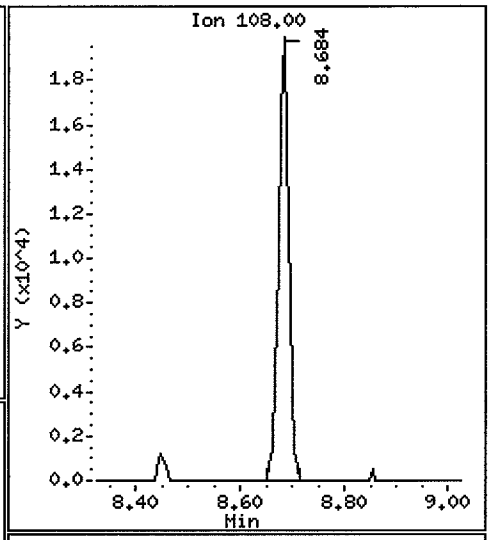
15 4-Methylphenol Concentration: 39.48 ug/kg

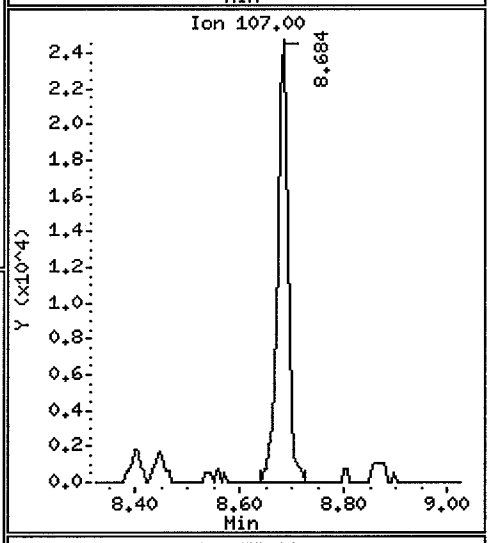


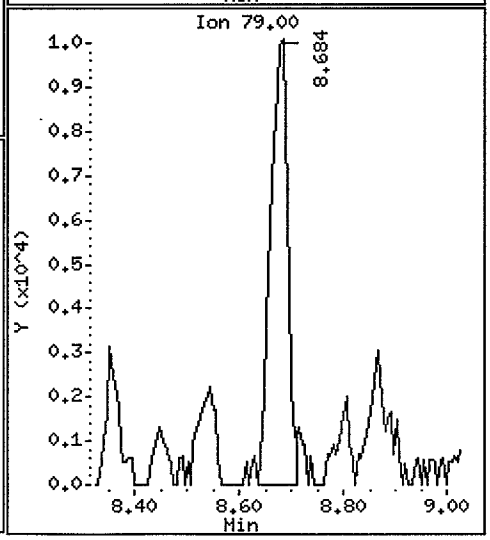












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

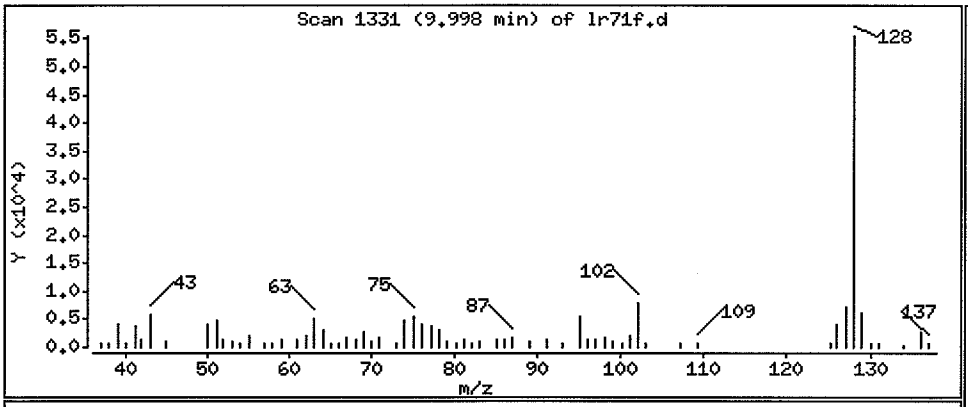
Client ID: AN-SS-11-070928 Instrument: nt6.i

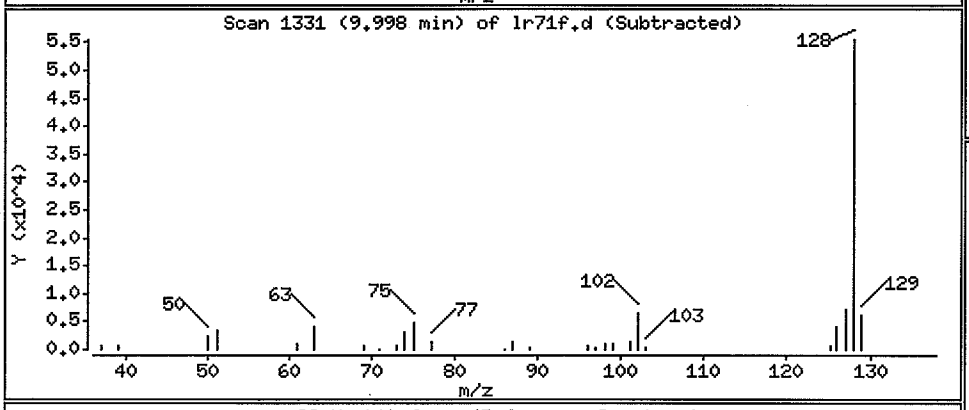
Sample Info: LR71F

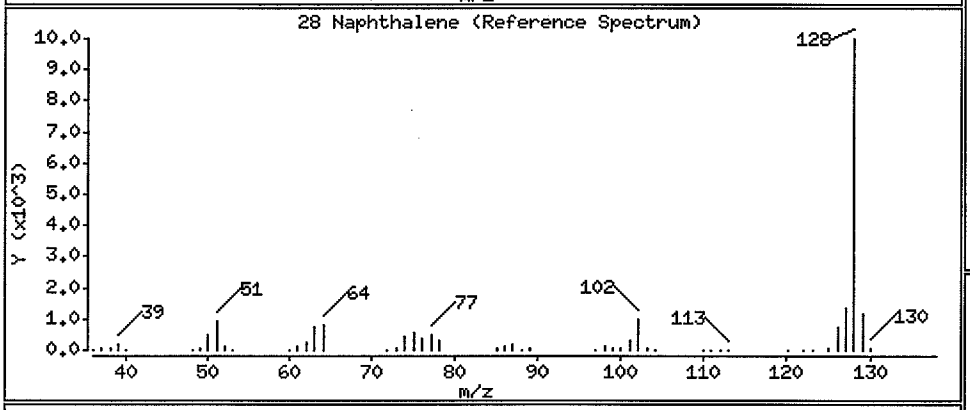
Volume Injected (uL): 1.0 Operator: LJR/VTS

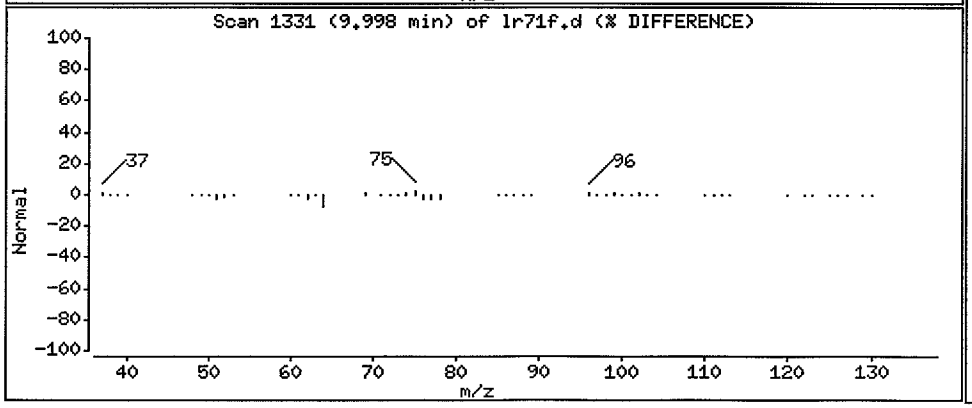
Column phase: ZB-5 Column diameter: 0.32

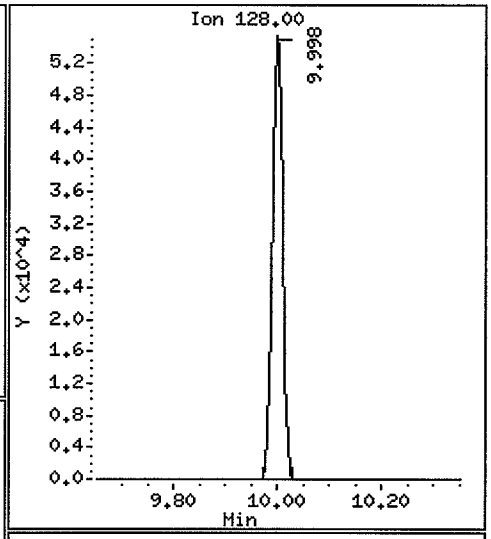
28 Naphthalene Concentration: 39.91 ug/kg

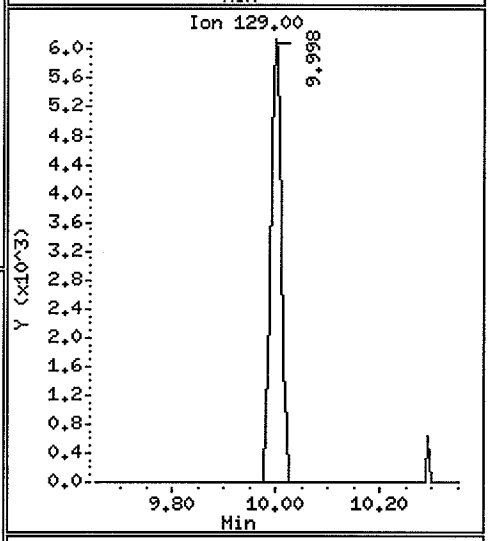


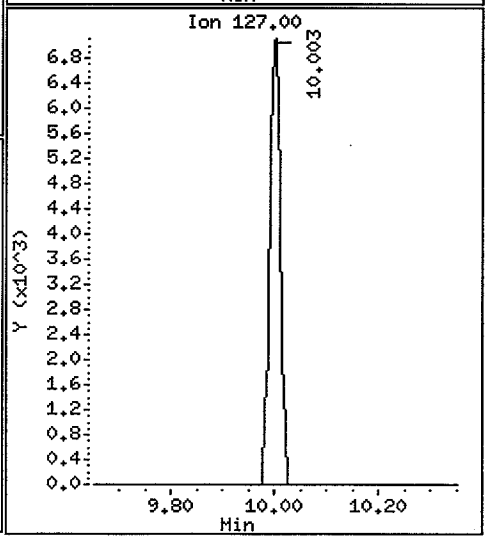












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

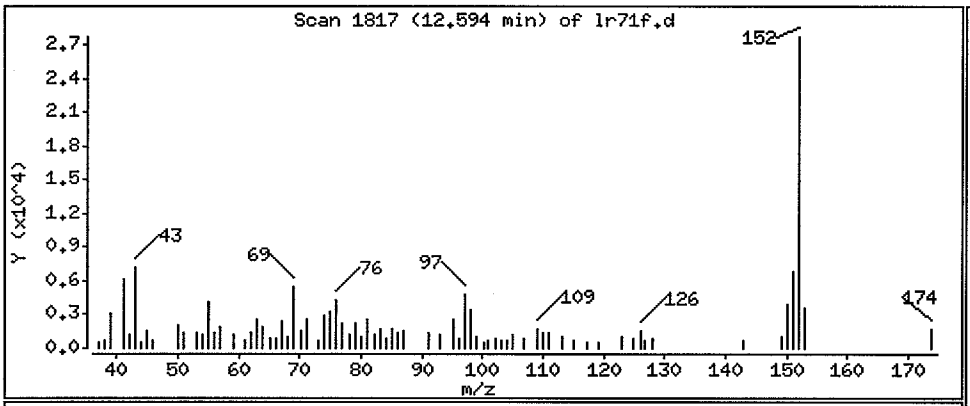
Client ID: AN-SS-11-070928 Instrument: nt6.i

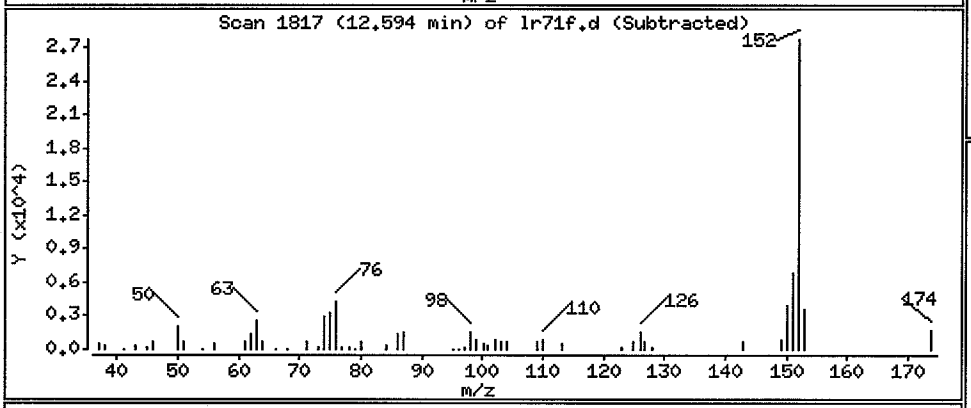
Sample Info: LR71F

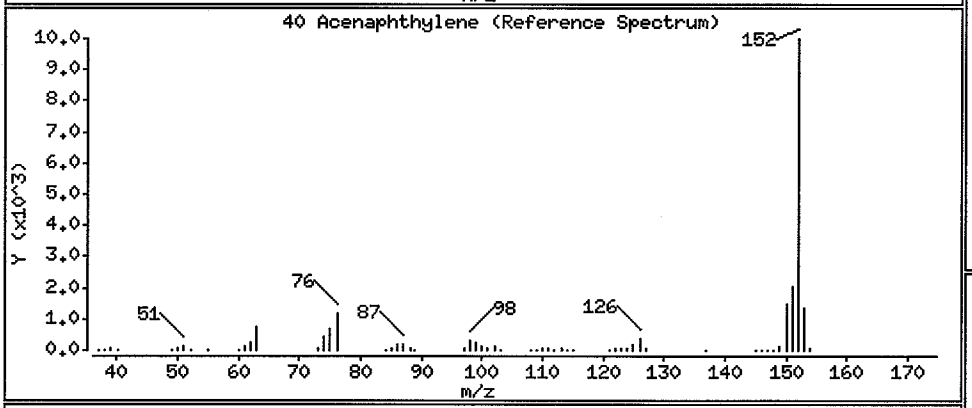
Volume Injected (uL): 1.0 Operator: LJR/VTS

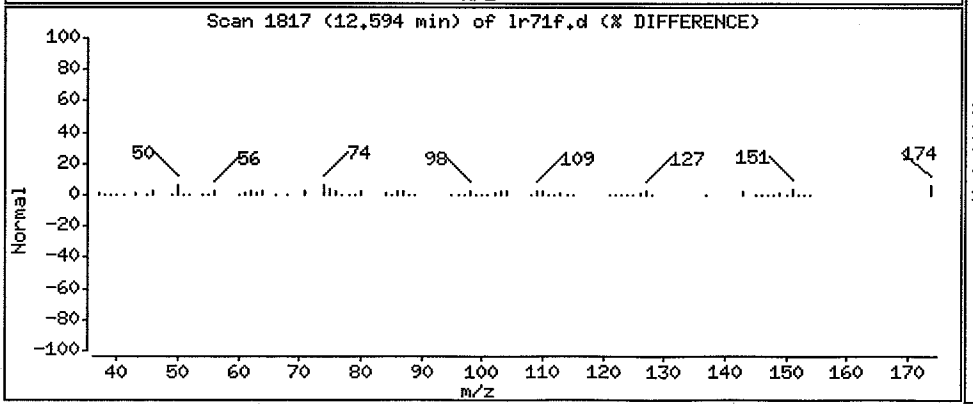
Column phase: ZB-5 Column diameter: 0.32

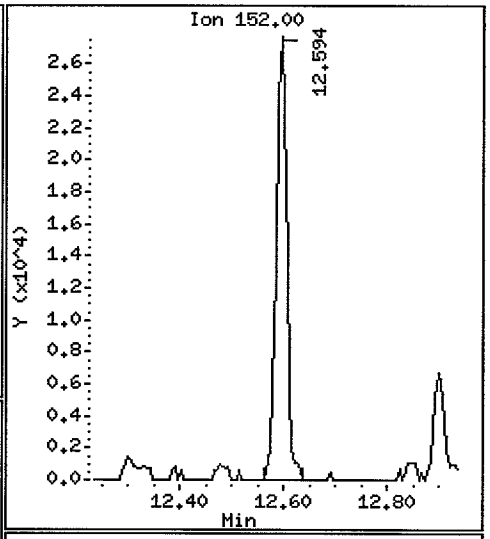
40 Acenaphthylene Concentration: 20.95 ug/kg

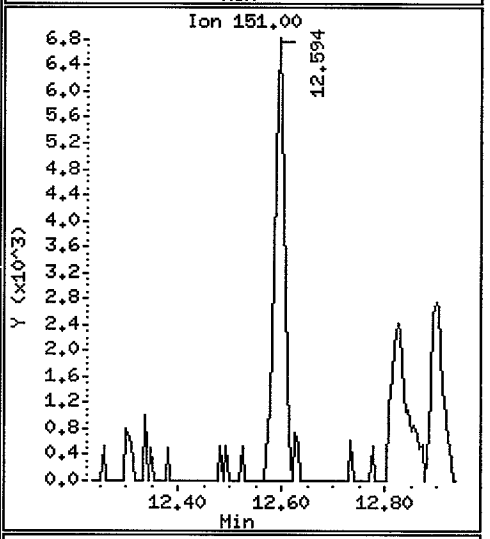


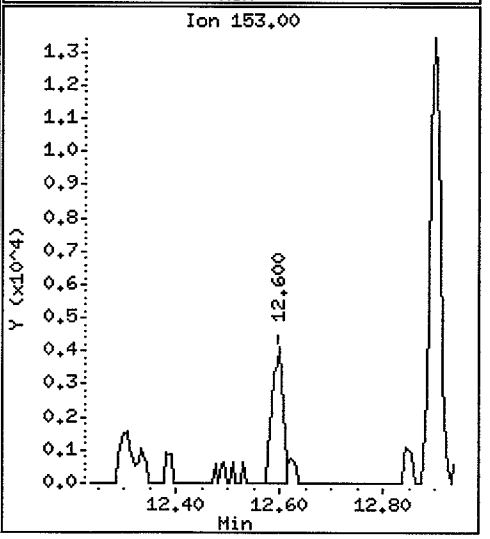












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

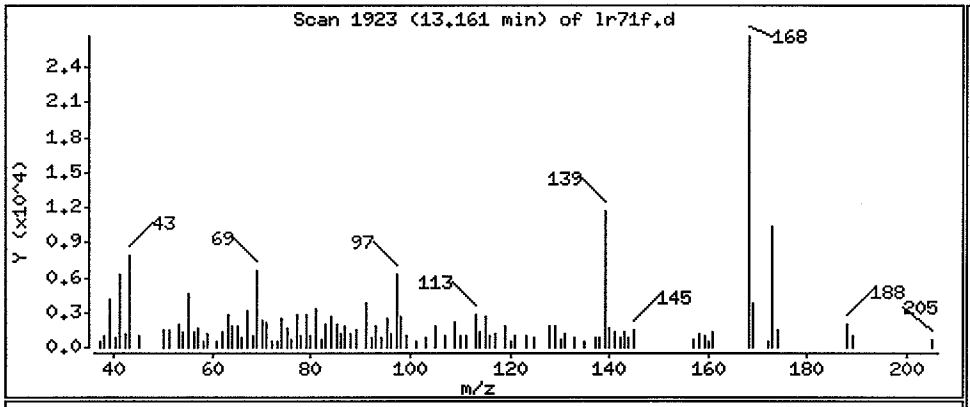
Client ID: AN-SS-11-070928 Instrument: nt6.i

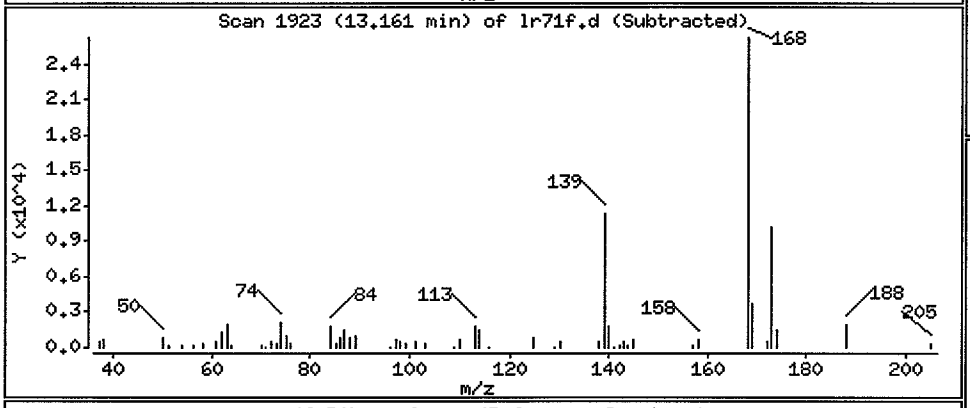
Sample Info: LR71F

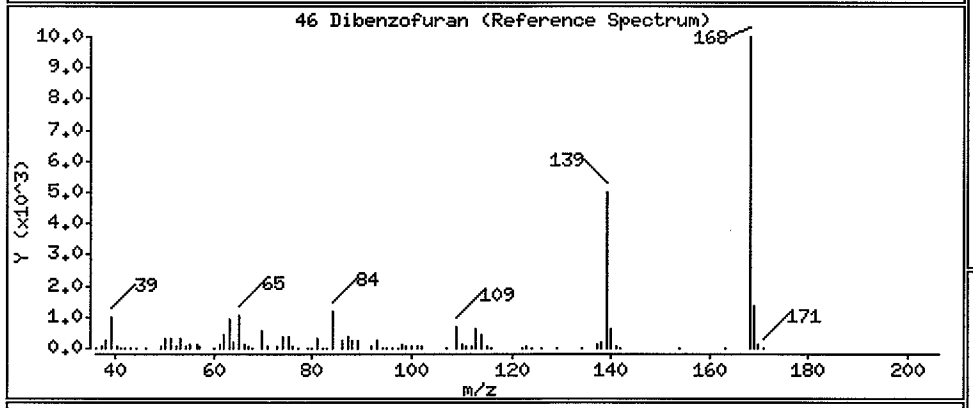
Volume Injected (uL): 1.0 Operator: LJR/VTS

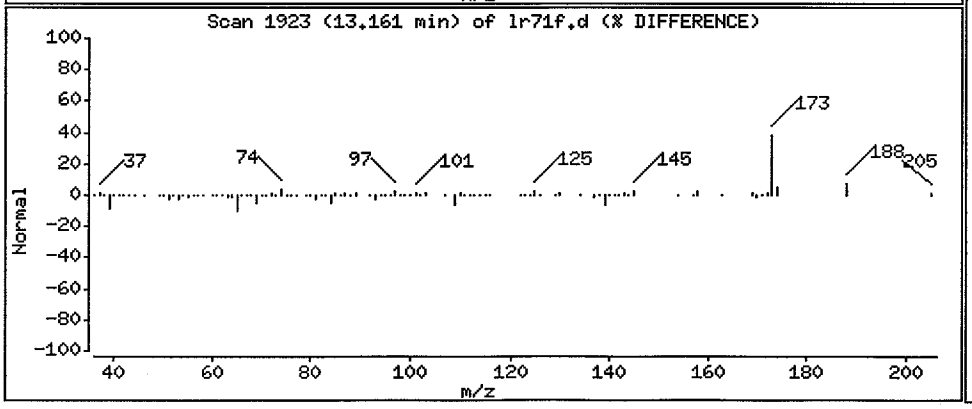
Column phase: ZB-5 Column diameter: 0.32

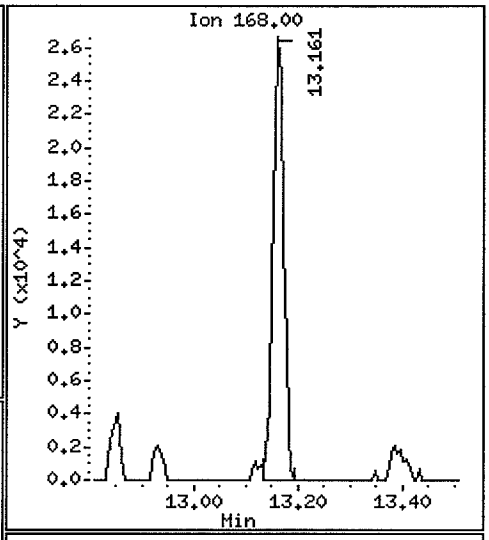
46 Dibenzofuran Concentration: 22.98 ug/kg

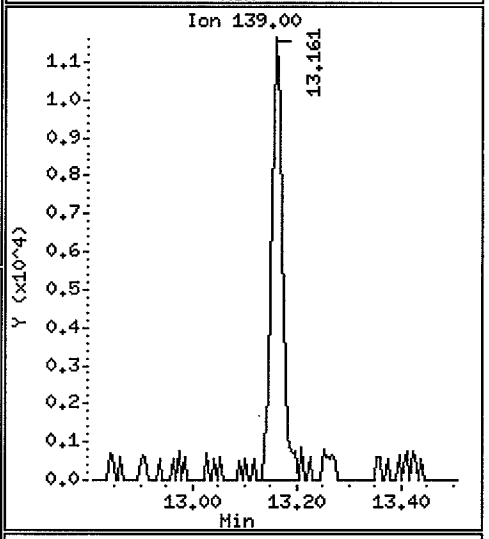


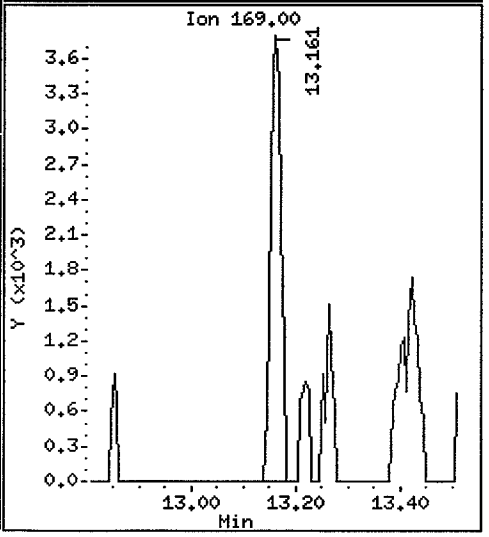












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

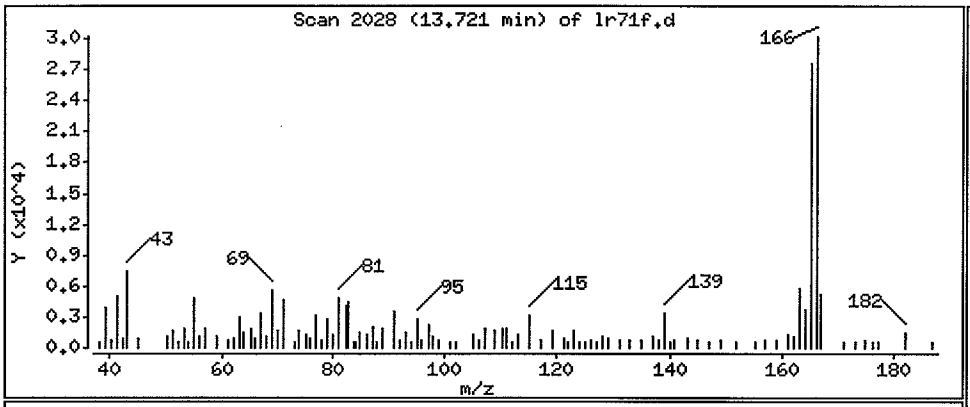
Client ID: AN-SS-11-070928 Instrument: nt6.i

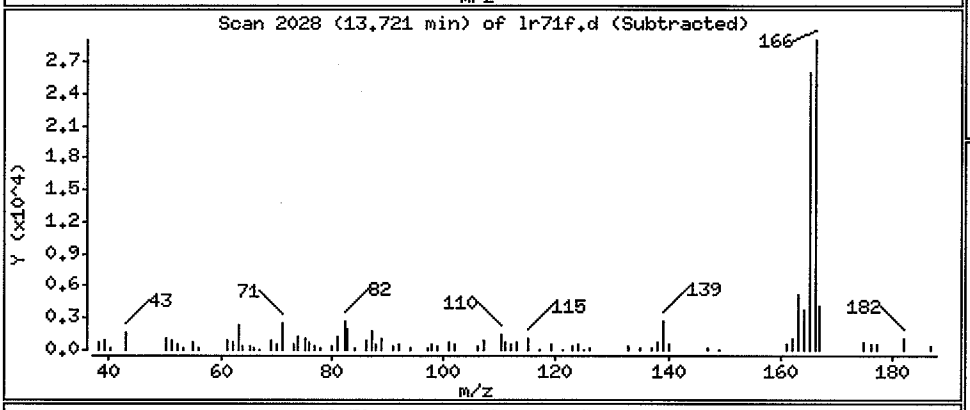
Sample Info: LR71F

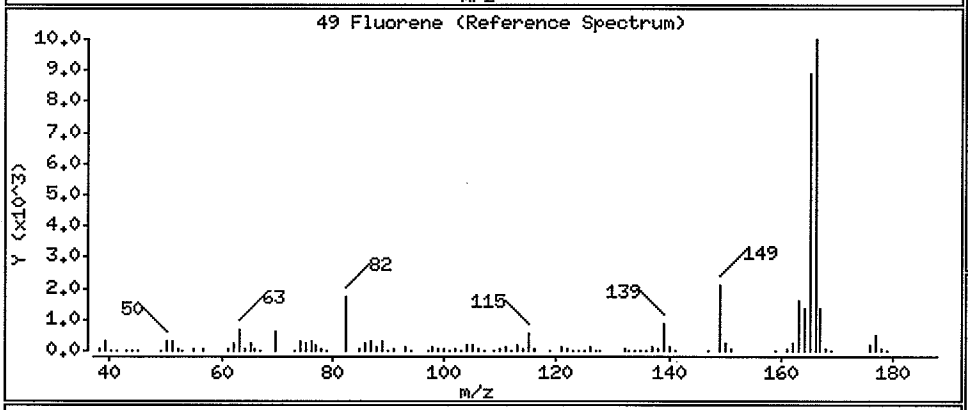
Volume Injected (uL): 1.0 Operator: LJR/VTS

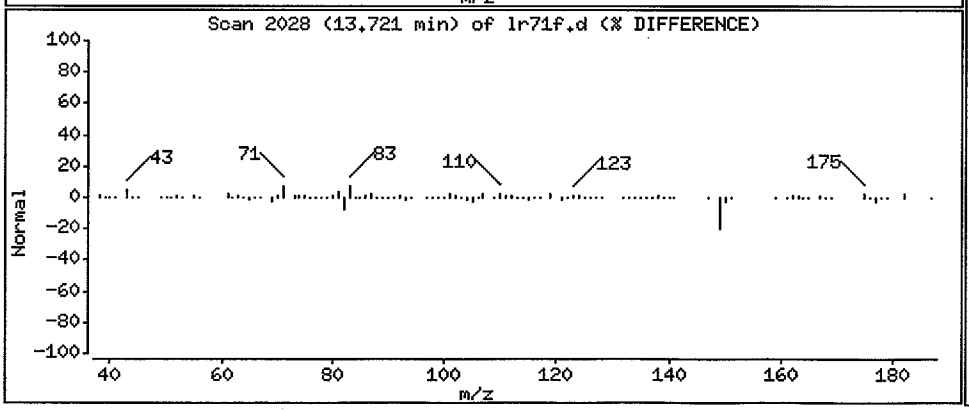
Column phase: ZB-5 Column diameter: 0.32

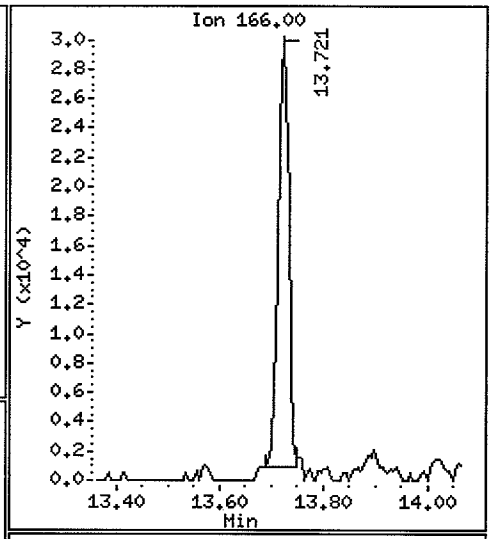
49 Fluorene Concentration: 31.34 ug/kg

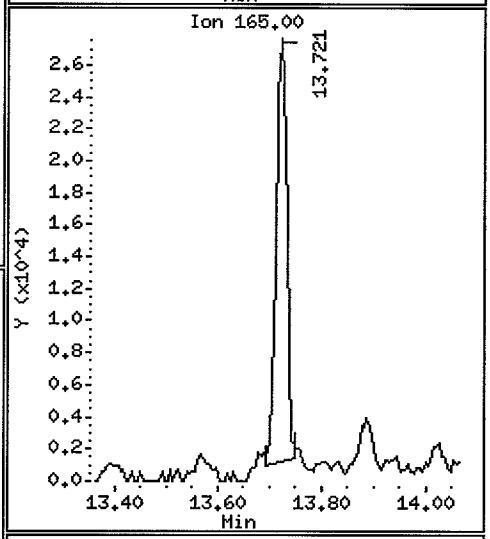


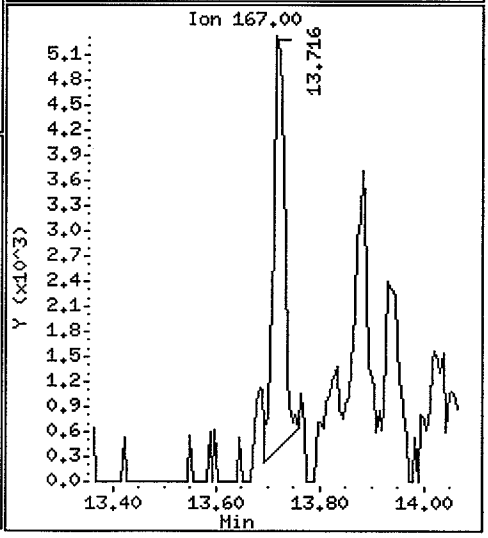












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F

Volume Injected (uL): 1.0

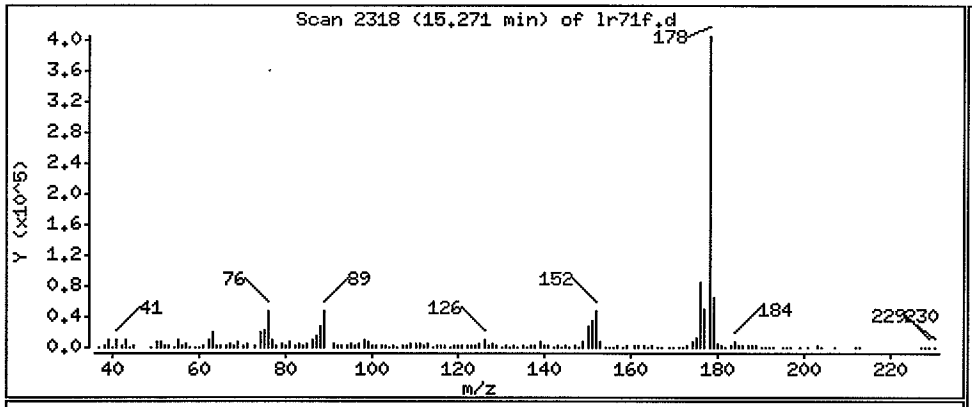
Operator: LJR/VTS

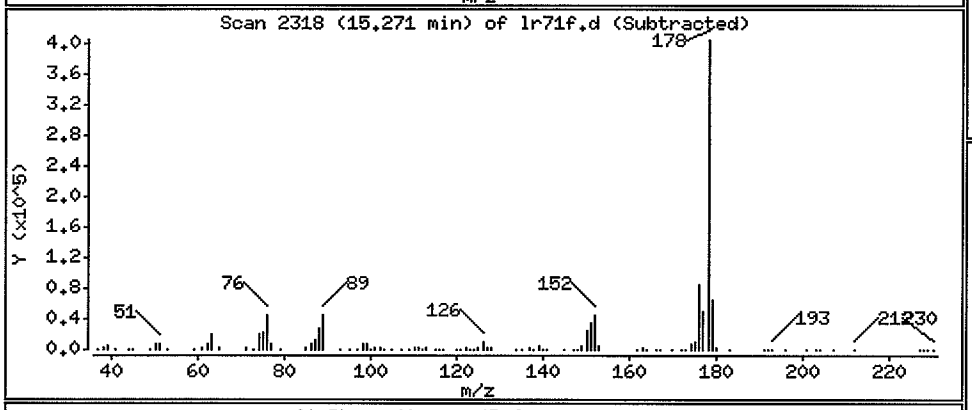
Column phase: ZB-5

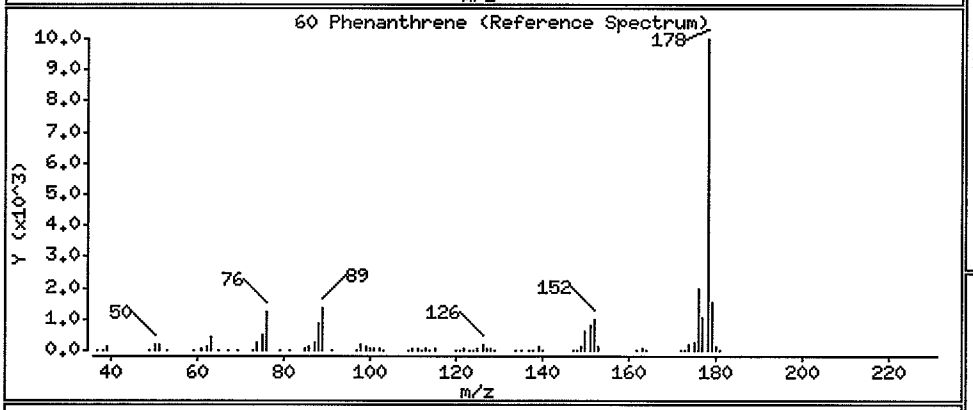
Column diameter: 0.32

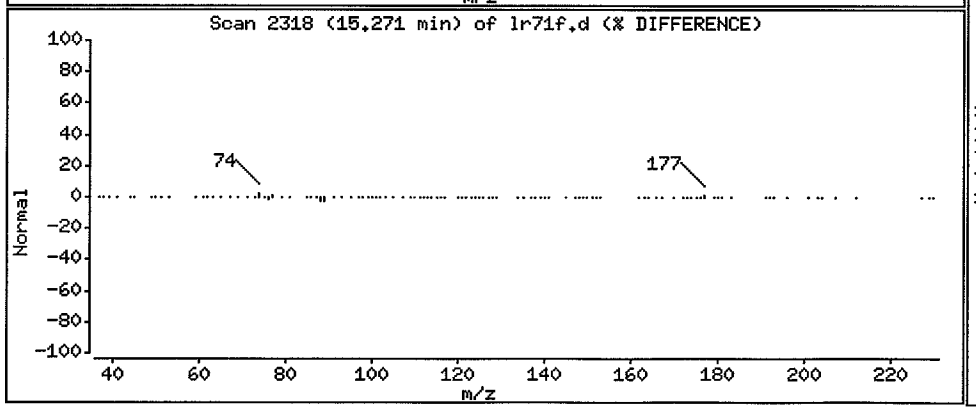
60 Phenanthrene

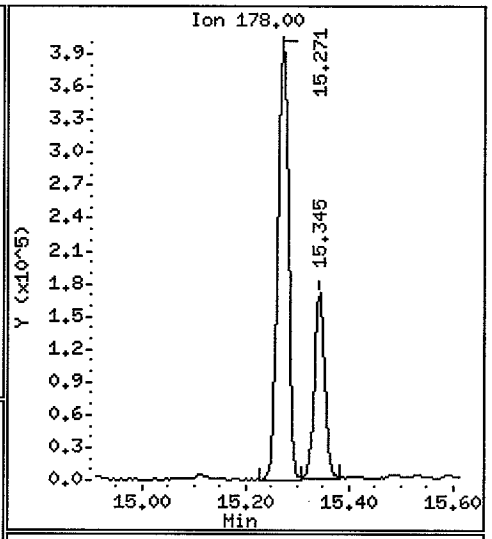
Concentration: 276.9 ug/kg

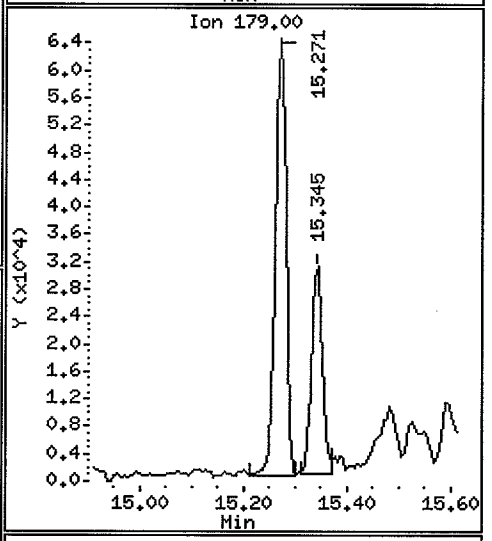


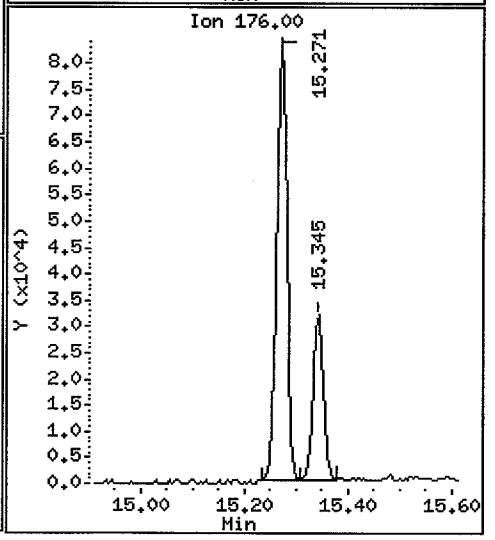












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F

Volume Injected (uL): 1.0

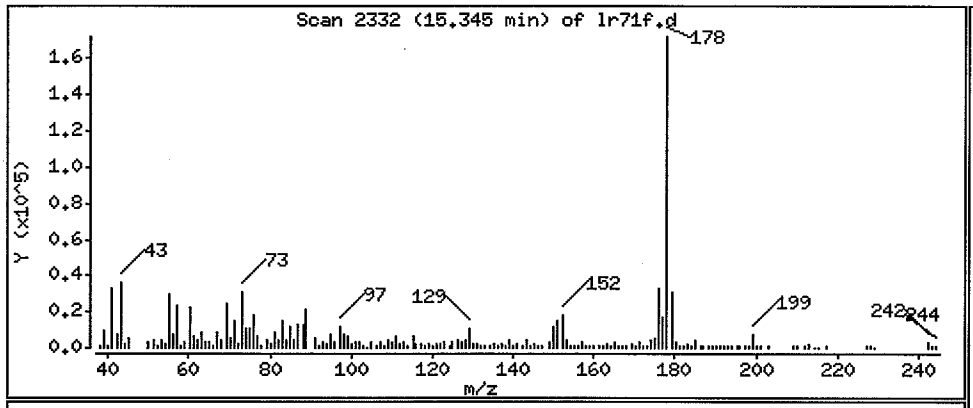
Operator: LJR/VTS

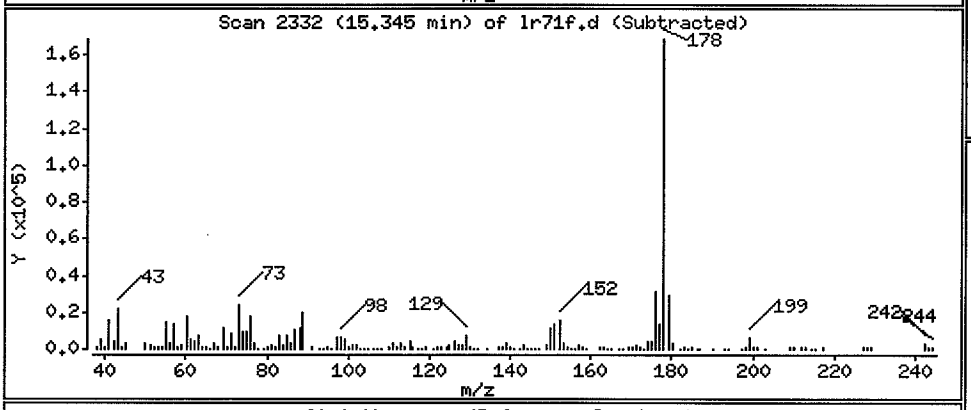
Column phase: ZB-5

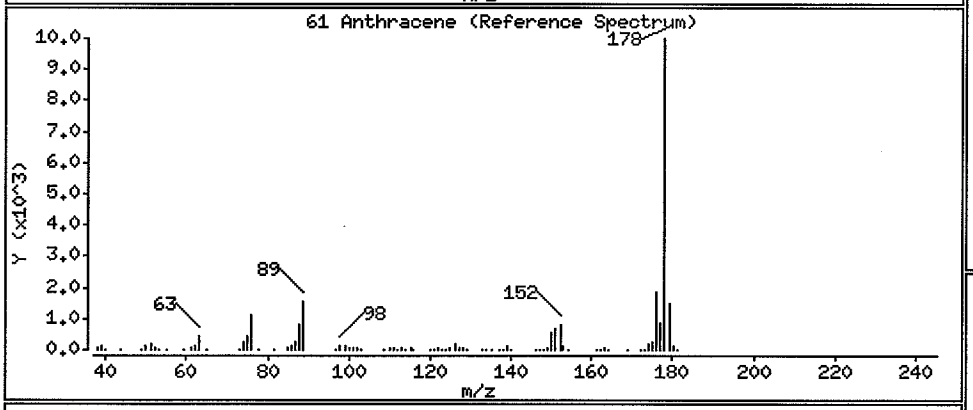
Column diameter: 0.32

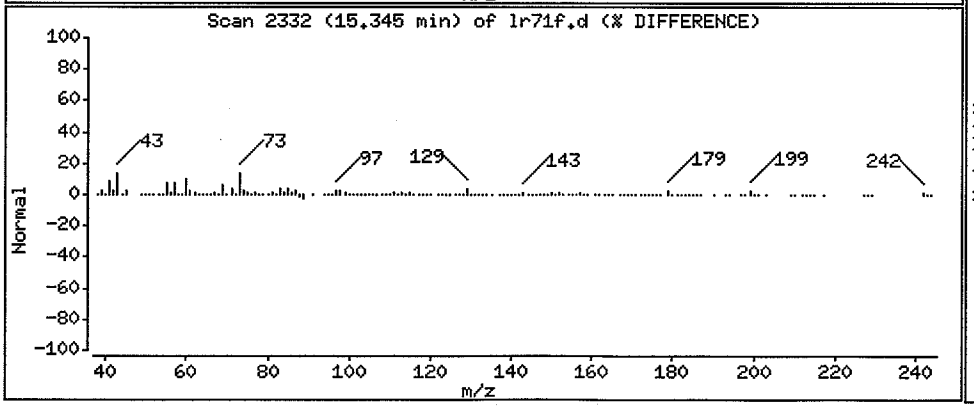
61 Anthracene

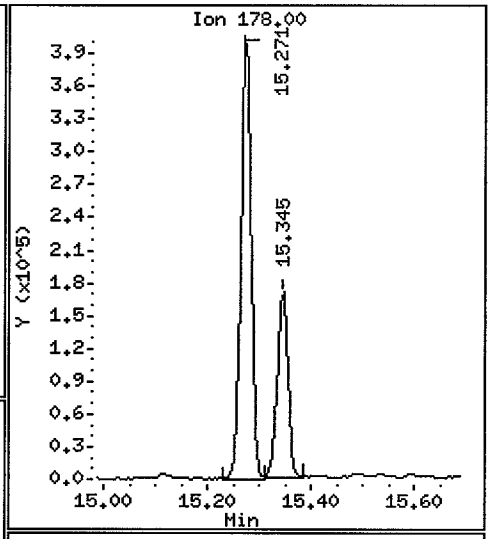
Concentration: 114.0 ug/kg

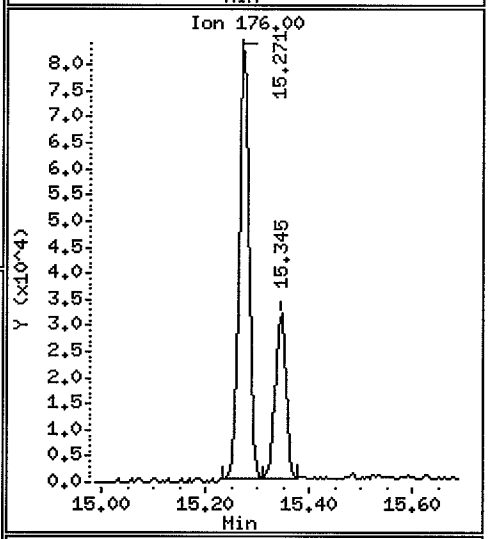


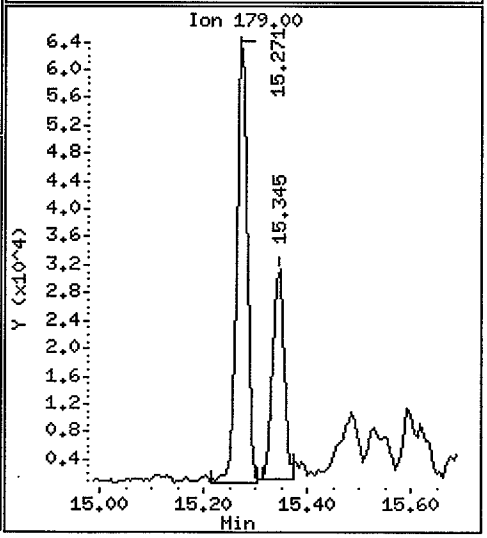












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F

Volume Injected (uL): 1.0

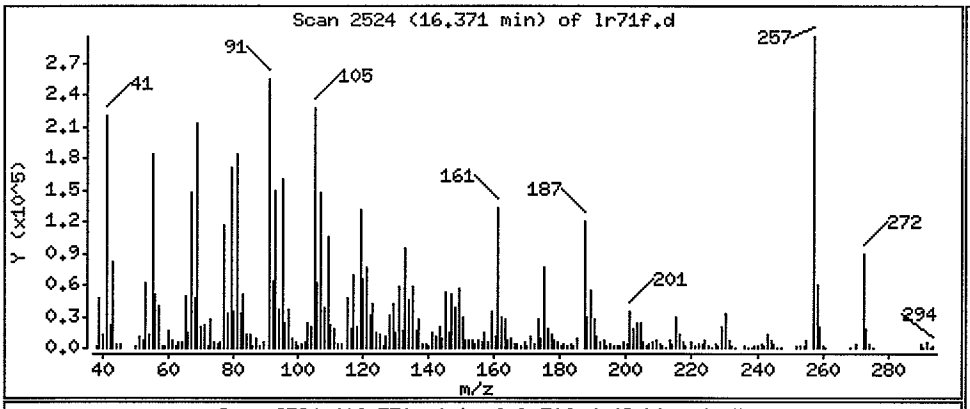
Operator: LJR/VTS

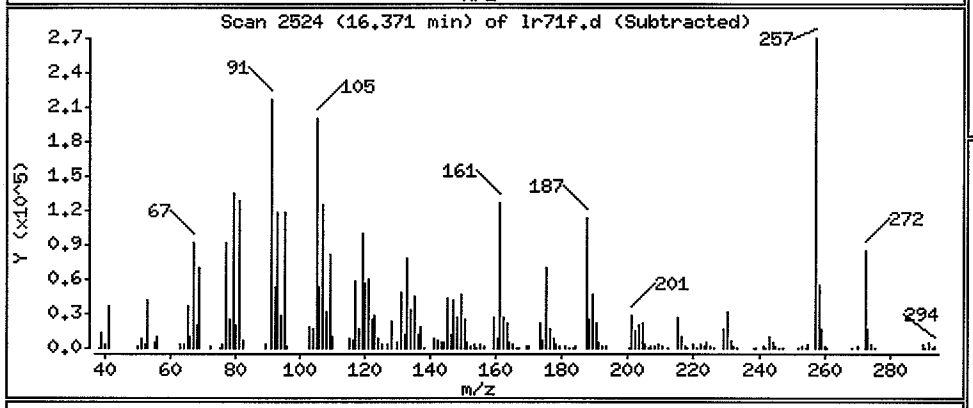
Column phase: ZB-5

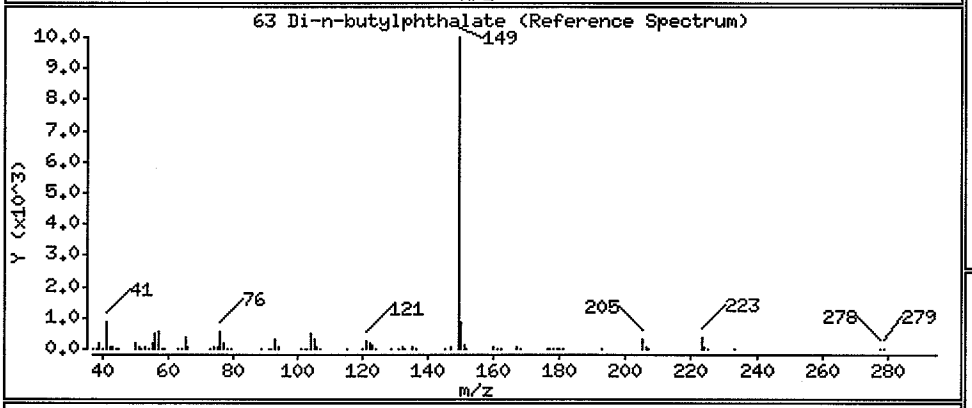
Column diameter: 0.32

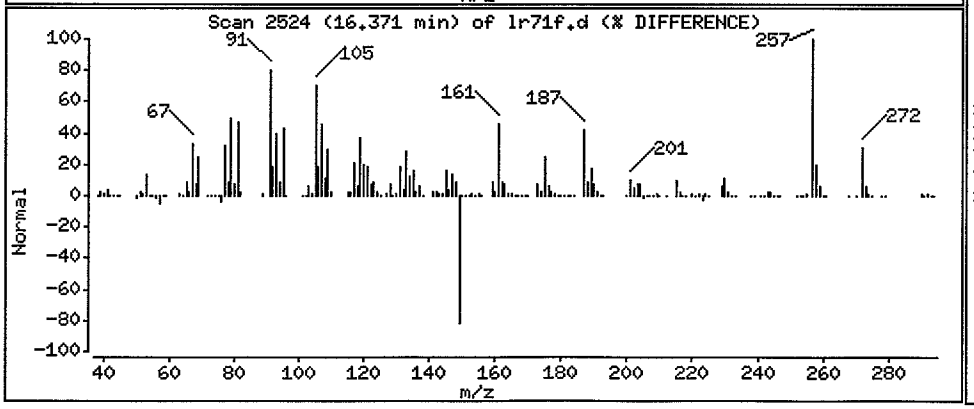
63 Di-n-butylphthalate

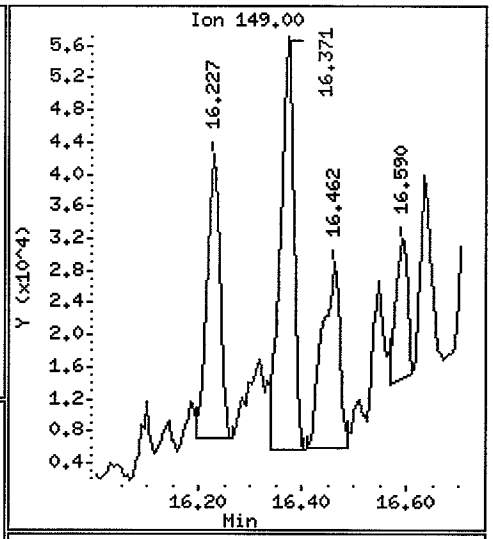
Concentration: 44.43 ug/kg

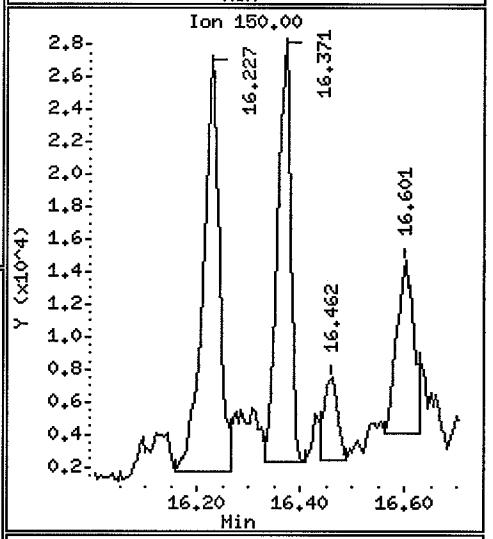


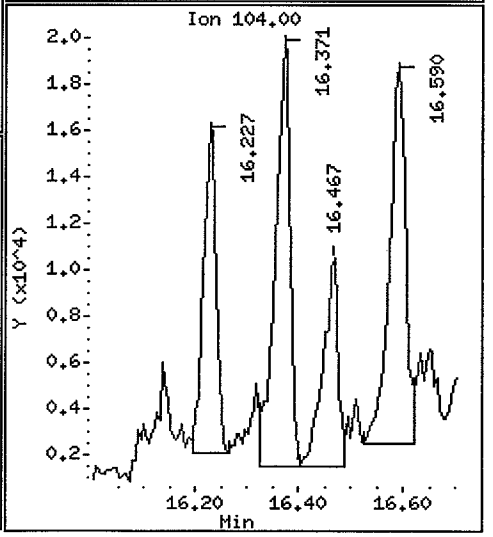












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

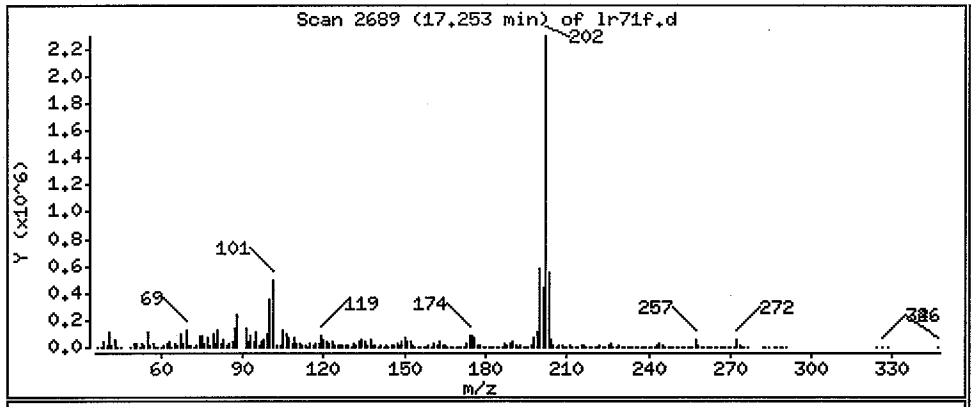
Client ID: AN-SS-11-070928 Instrument: nt6.i

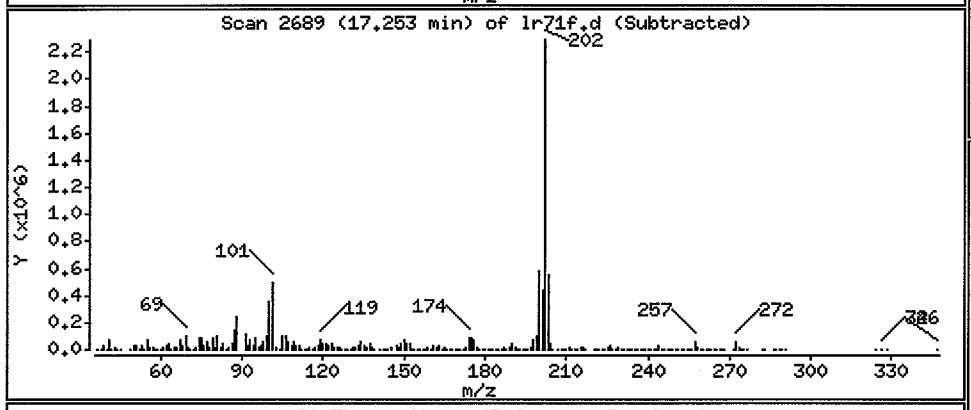
Sample Info: LR71F

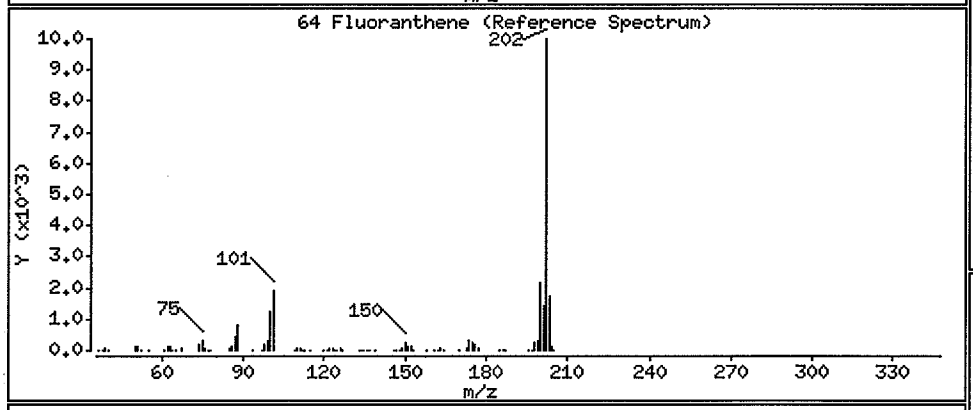
Volume Injected (uL): 1.0 Operator: LJR/VTS

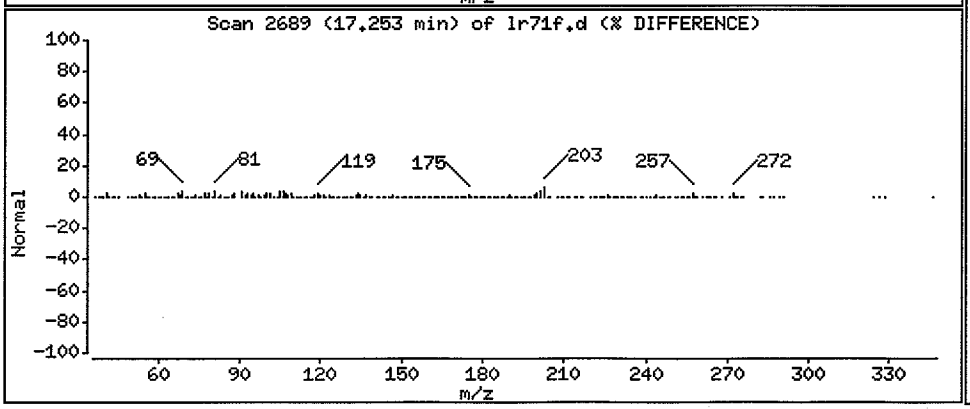
Column phase: ZB-5 Column diameter: 0.32

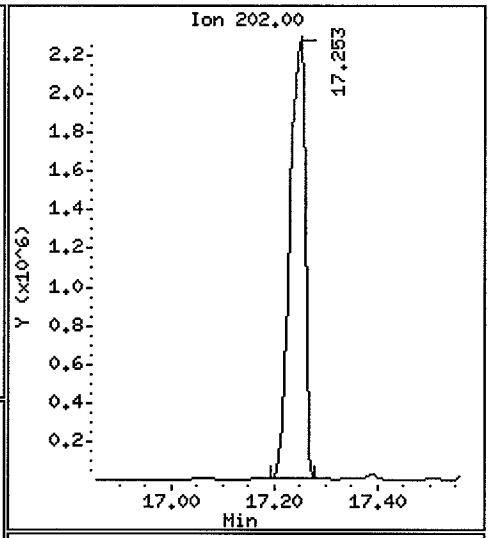
64 Fluoranthene Concentration: 1971 ug/kg

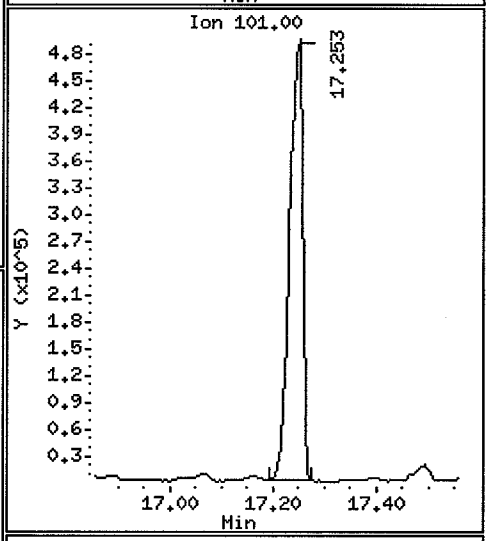


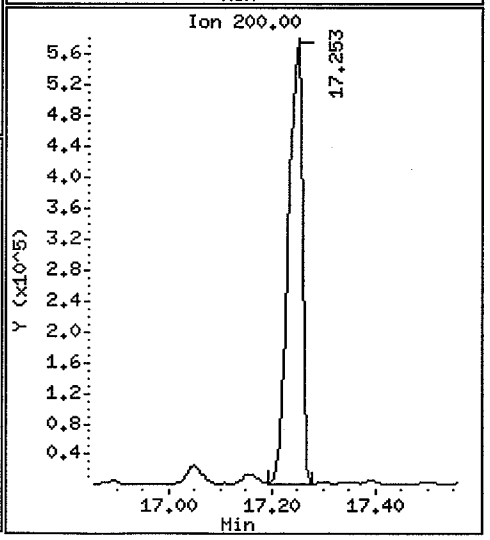












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F

Volume Injected (uL): 1.0

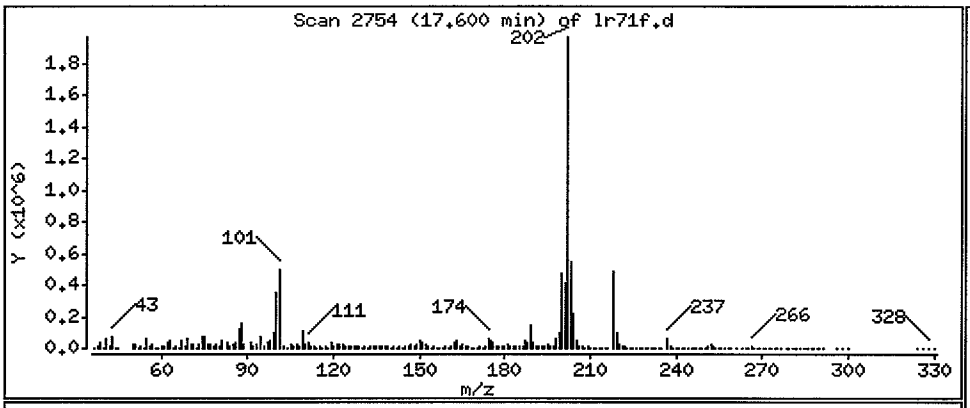
Operator: LJR/VTS

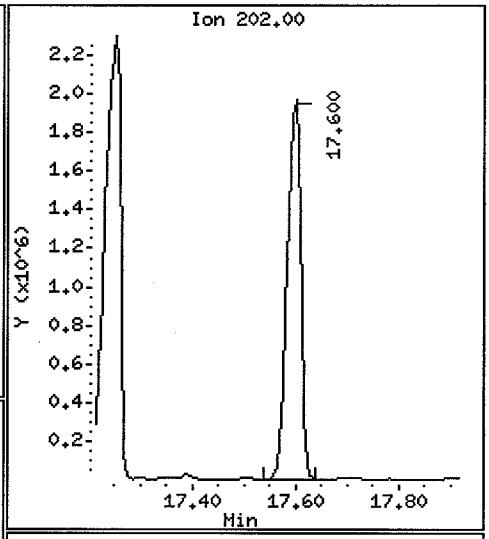
Column phase: ZB-5

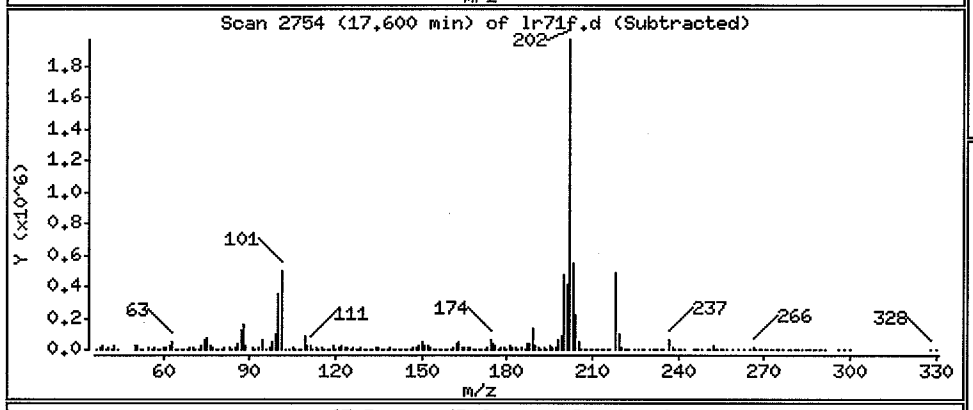
Column diameter: 0.32

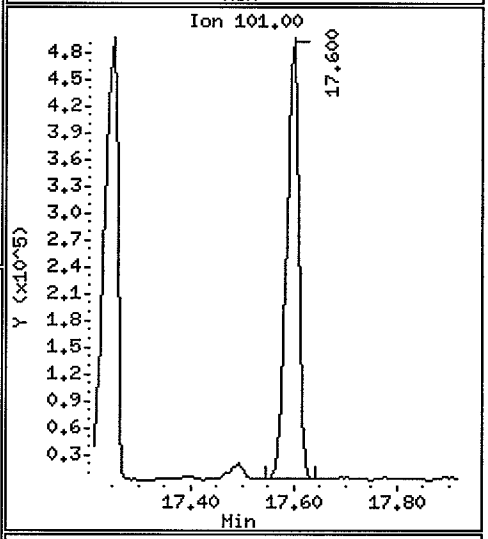
65 Pyrene

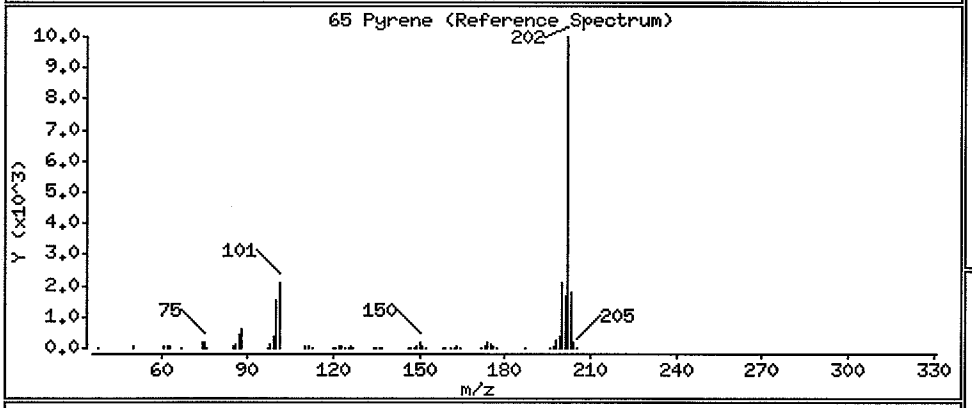
Concentration: 1190 ug/kg

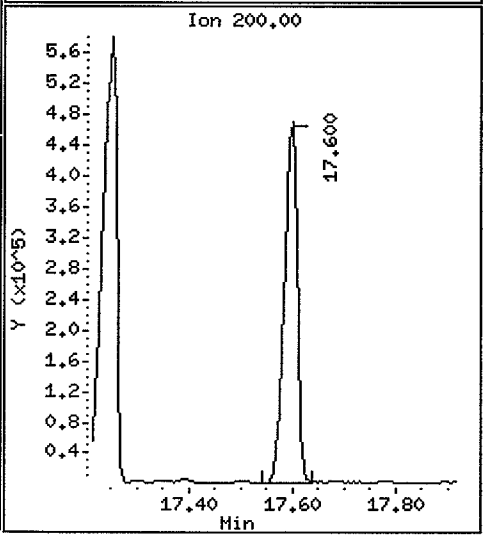


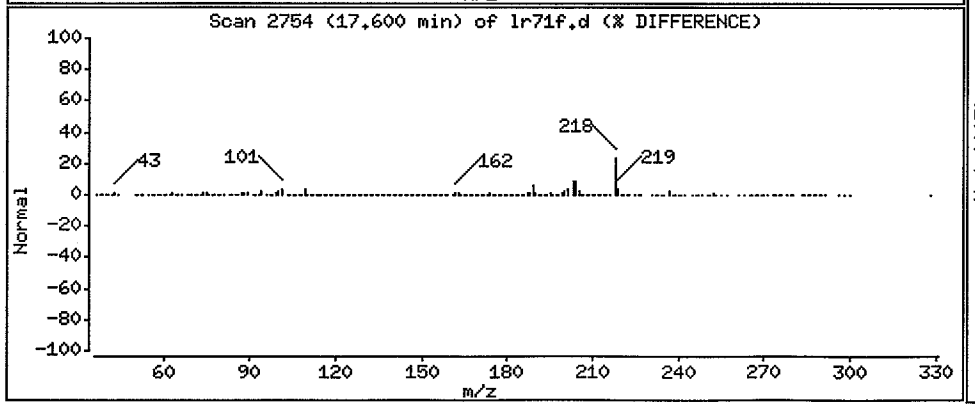












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F

Volume Injected (uL): 1.0

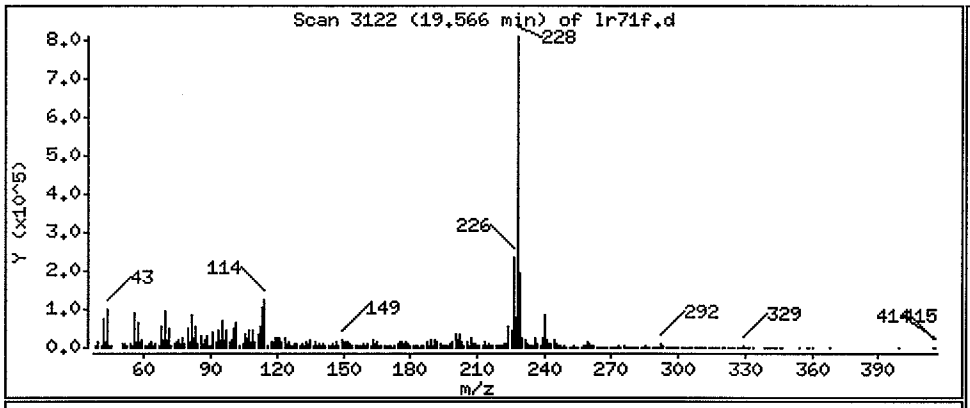
Operator: LJR/VTS

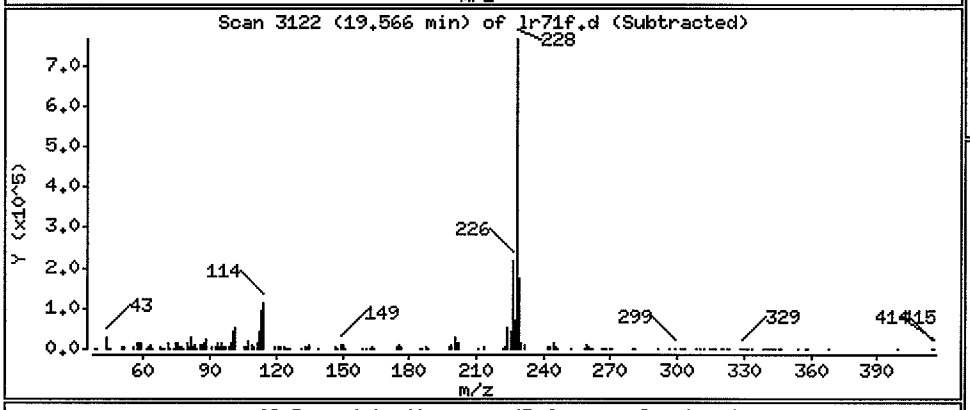
Column phase: ZB-5

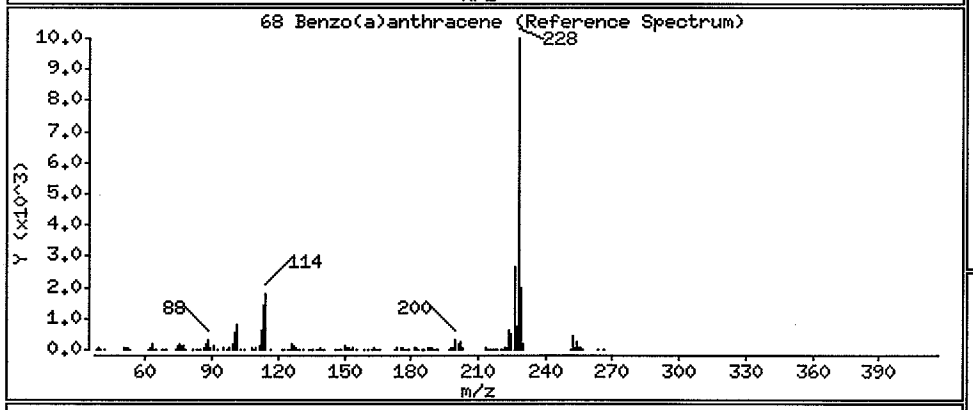
Column diameter: 0.32

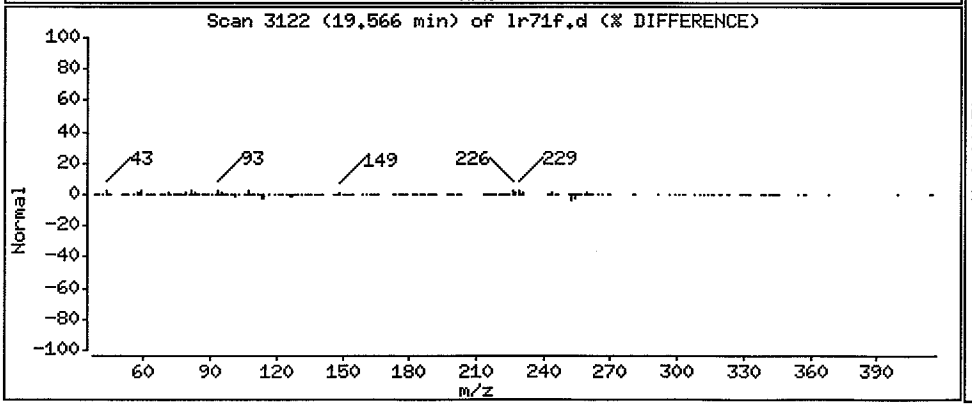
68 Benzo(a)anthracene

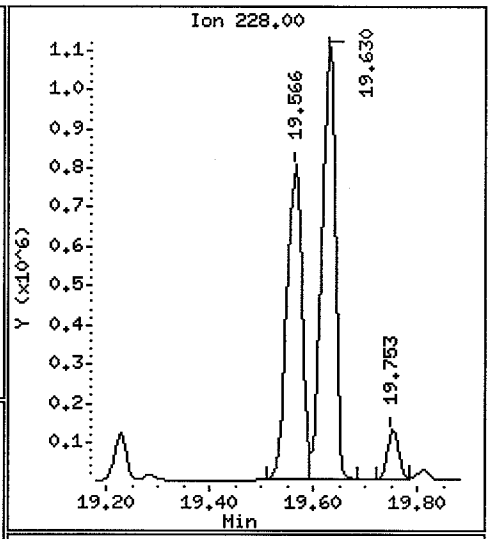
Concentration: 487.7 ug/kg

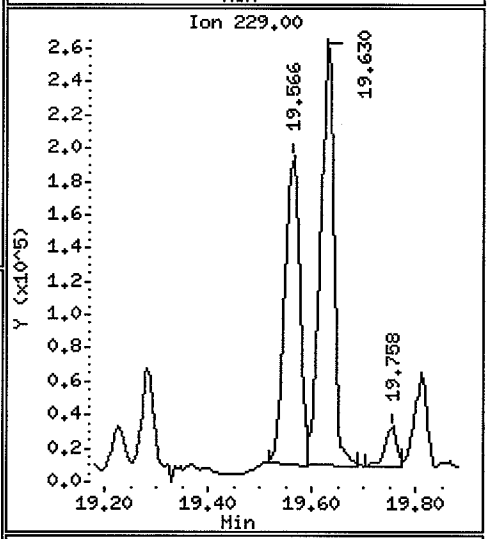


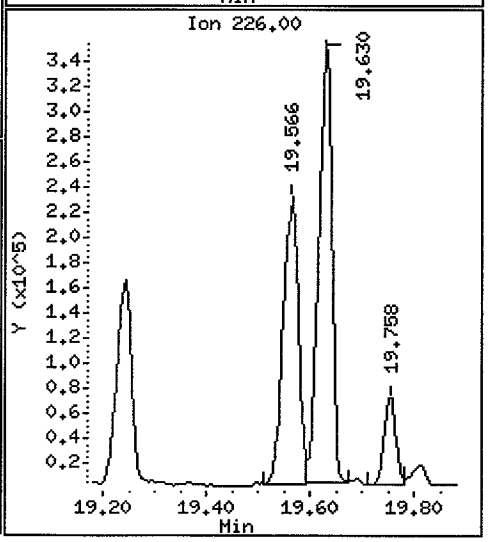












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

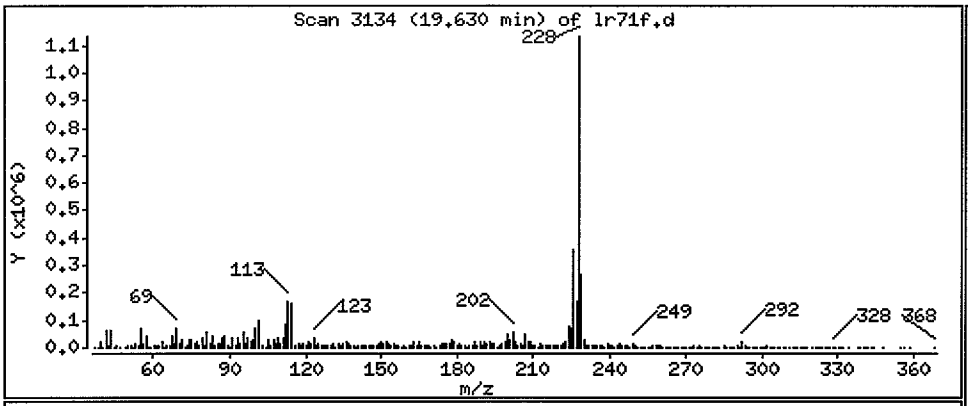
Client ID: AN-SS-11-070928 Instrument: nt6.i

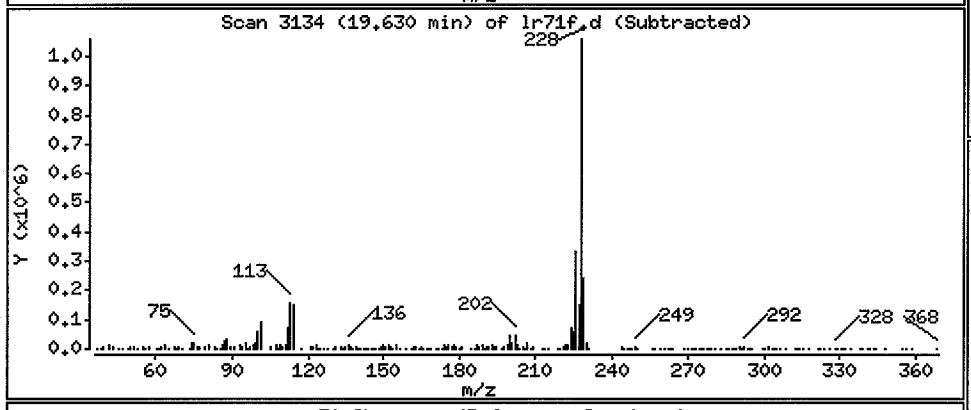
Sample Info: LR71F

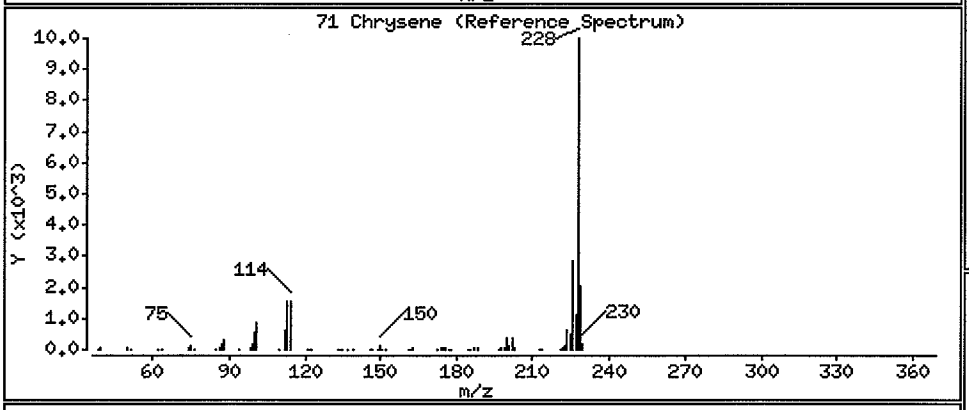
Volume Injected (uL): 1.0 Operator: LJR/VTS

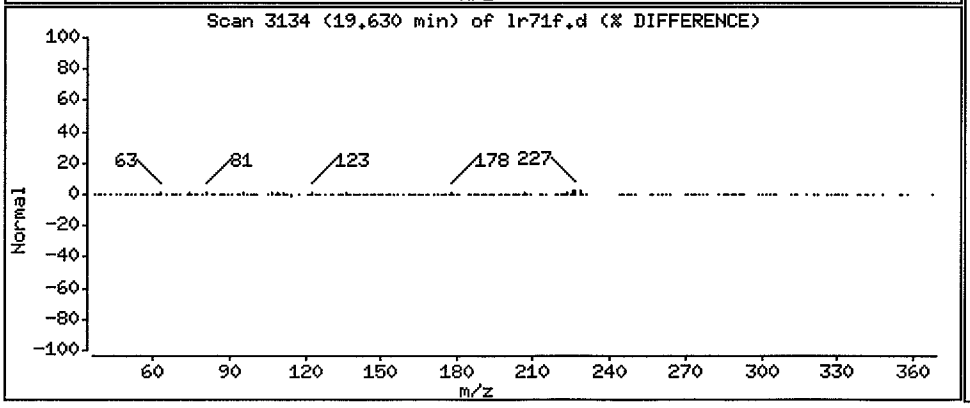
Column phase: ZB-5 Column diameter: 0.32

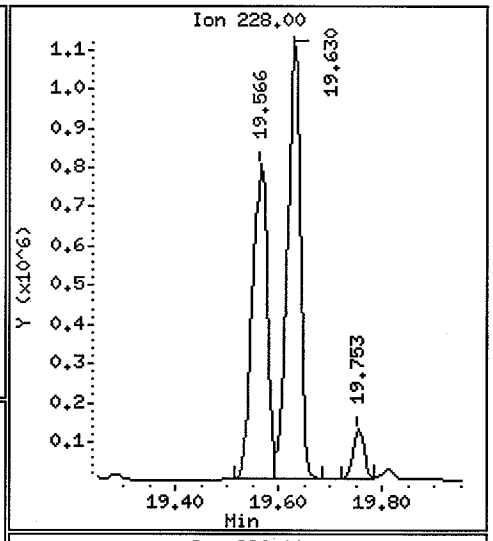
71 Chrysene Concentration: 649.2 ug/kg

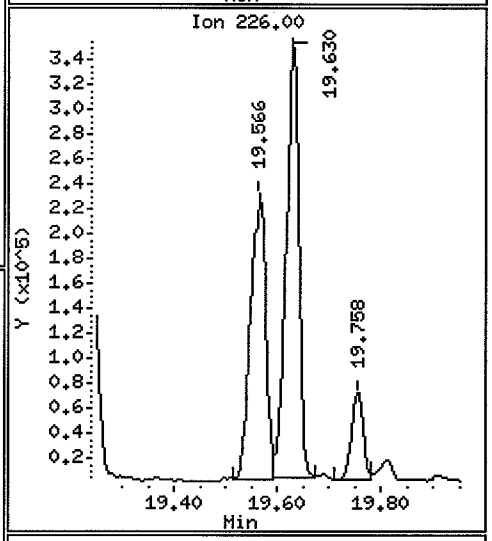


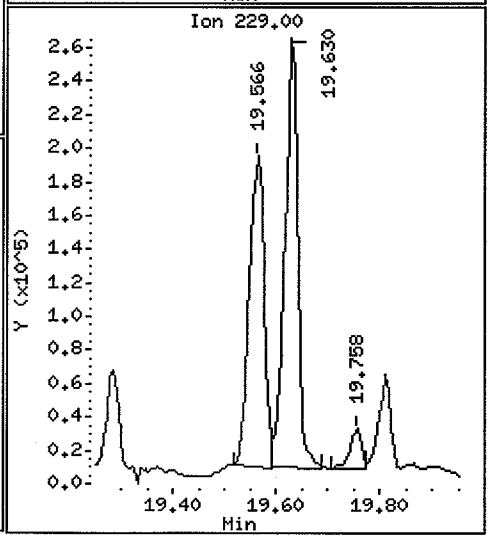












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

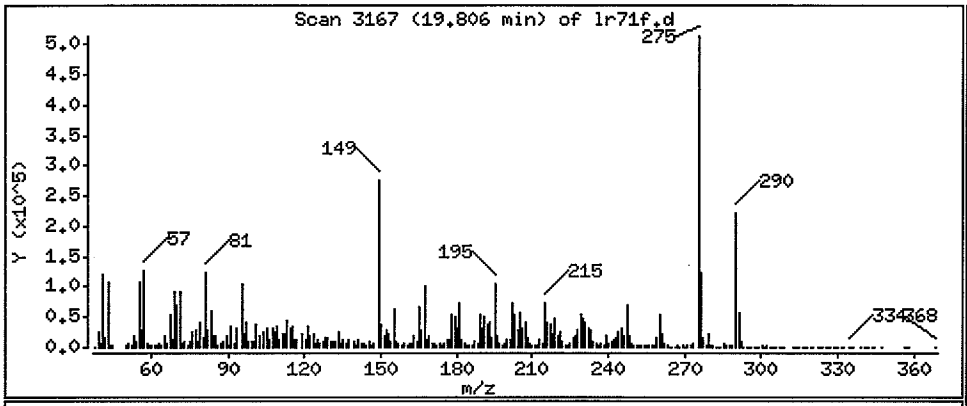
Client ID: AN-SS-11-070928 Instrument: nt6.i

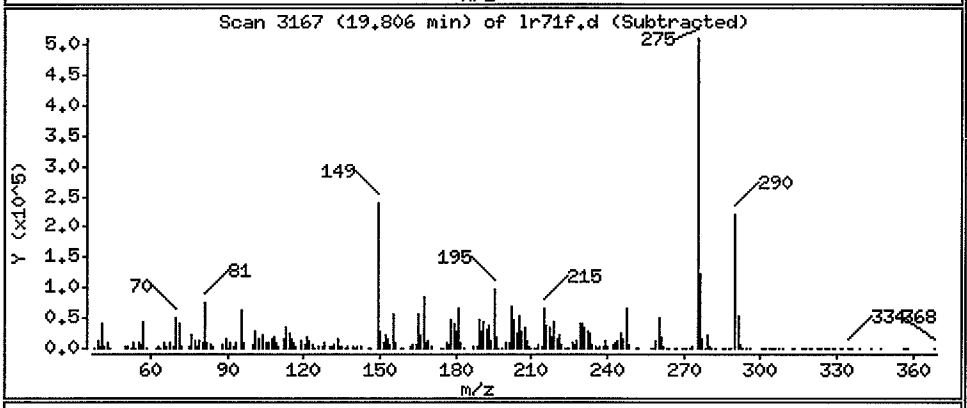
Sample Info: LR71F

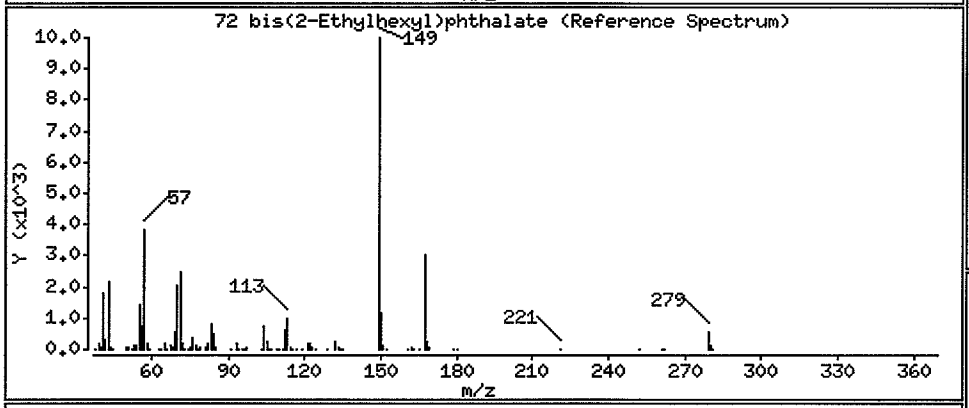
Volume Injected (uL): 1.0 Operator: LJR/VTS

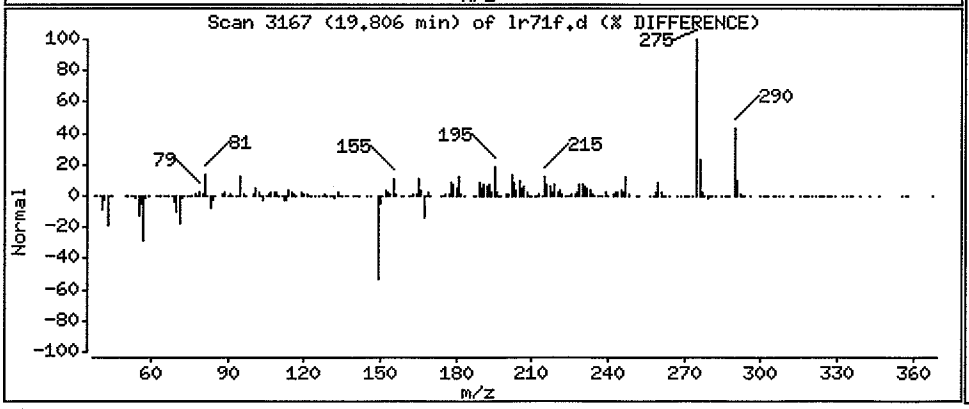
Column phase: ZB-5 Column diameter: 0.32

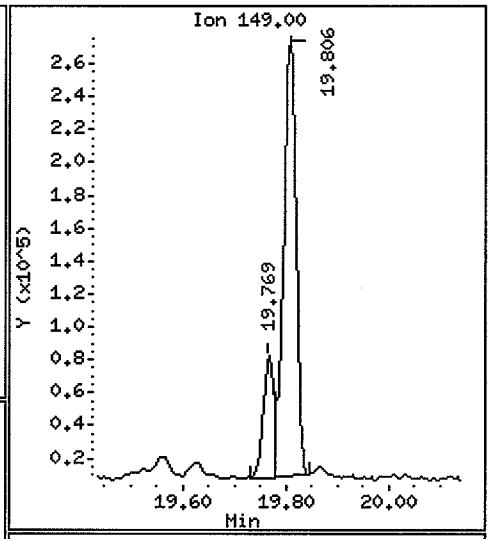
72 bis(2-Ethylhexyl)phthalate Concentration: 250.2 ug/kg

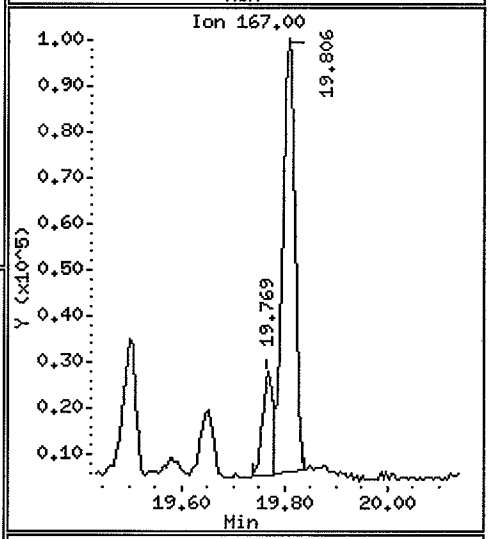


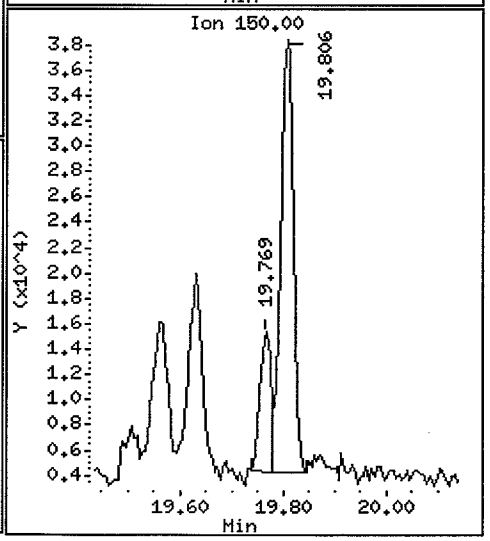












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

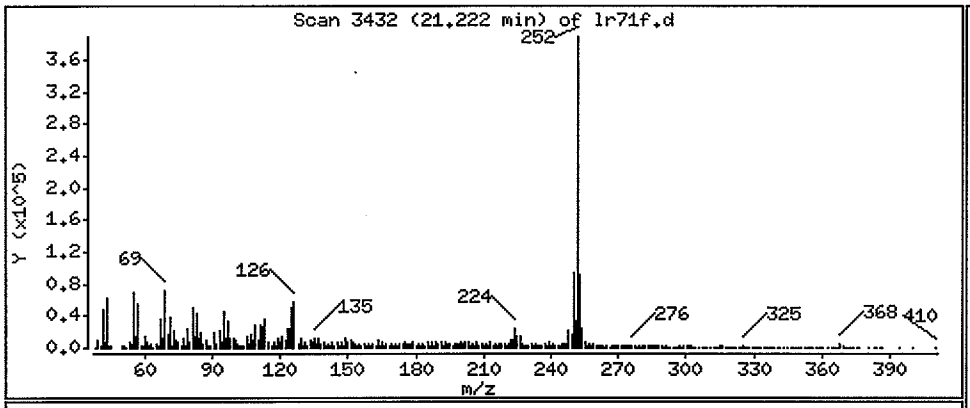
Client ID: AN-SS-11-070928 Instrument: nt6.i

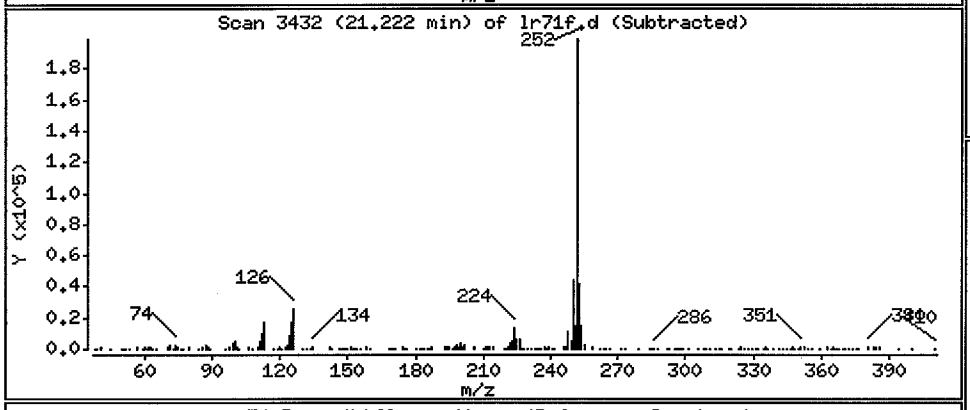
Sample Info: LR71F

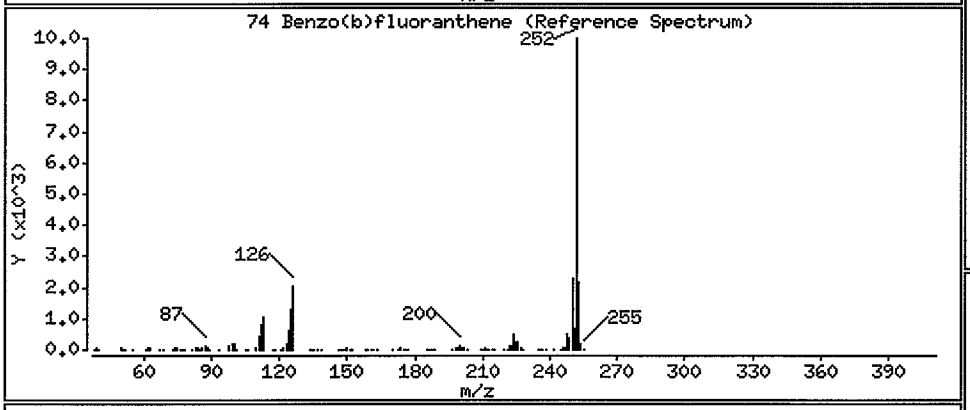
Volume Injected (uL): 1.0 Operator: LJR/VTS

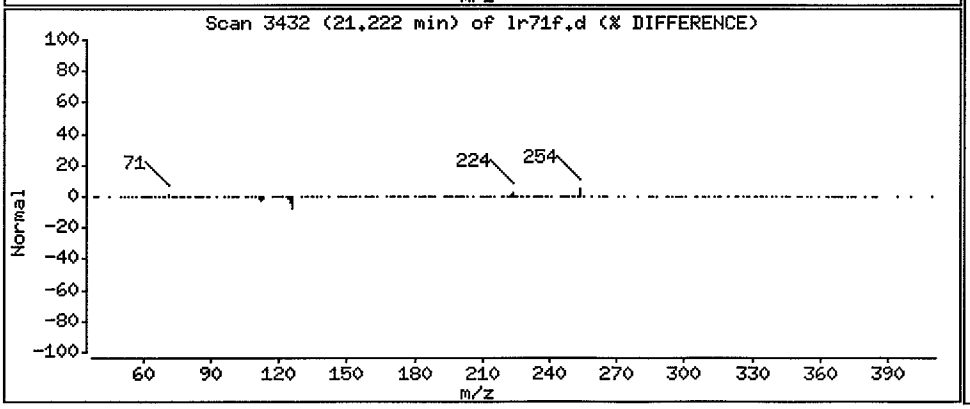
Column phase: ZB-5 Column diameter: 0.32

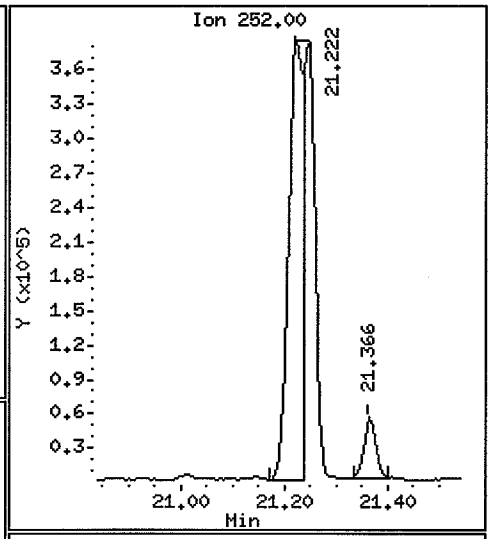
74 Benzo(b)fluoranthene Concentration: 367.3 ug/kg

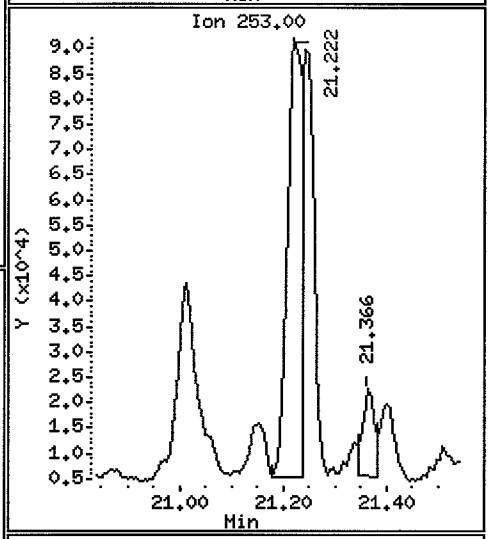


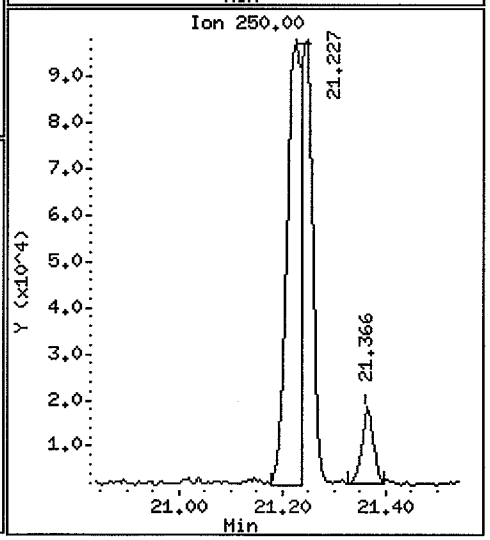












Data File: /chem1/nt6.i/20071018.b/lr71f.d

Date : 18-OCT-2007 18:36

Client ID: AN-SS-11-070928

Instrument: nt6.i

Sample Info: LR71F

Volume Injected (uL): 1.0

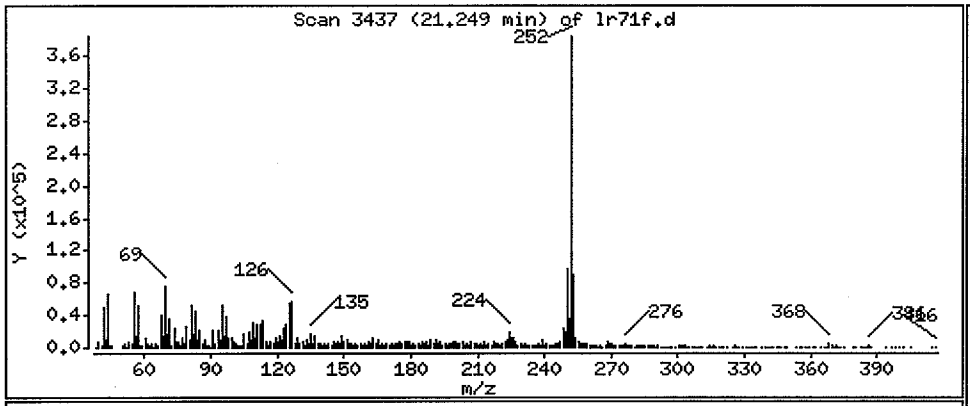
Operator: LJR/VTS

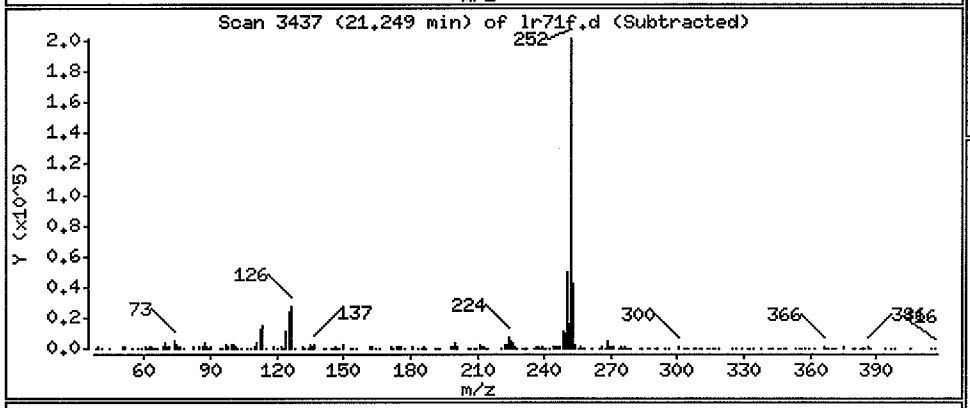
Column phase: ZB-5

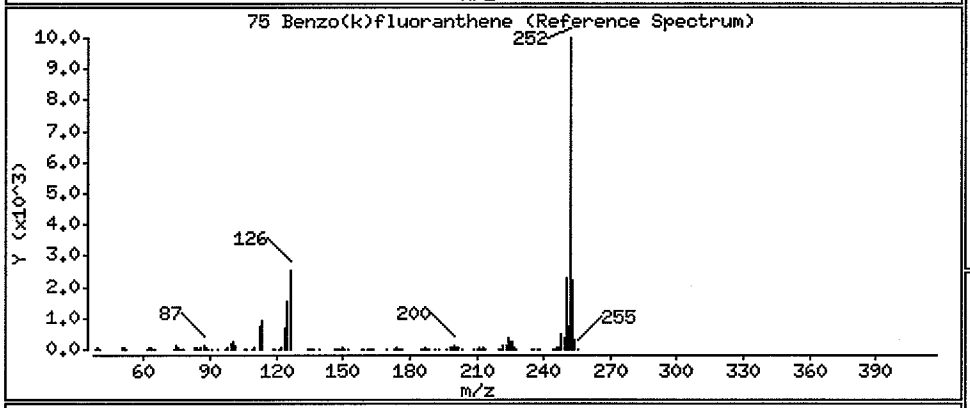
Column diameter: 0.32

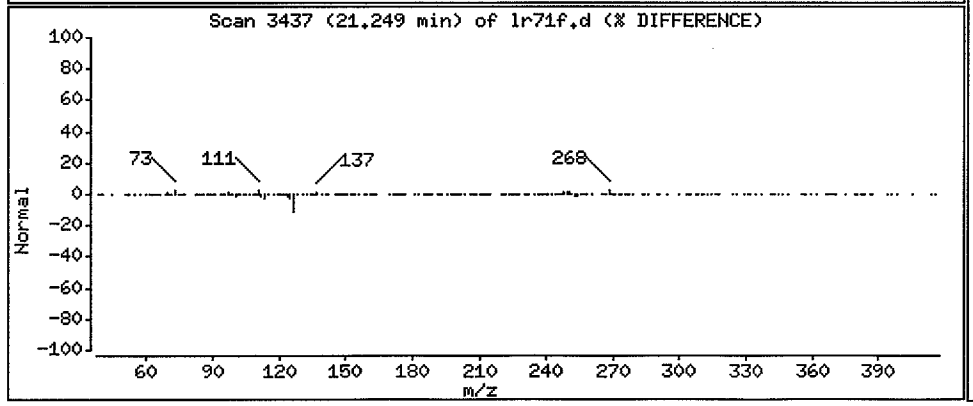
75 Benzo(k)fluoranthene

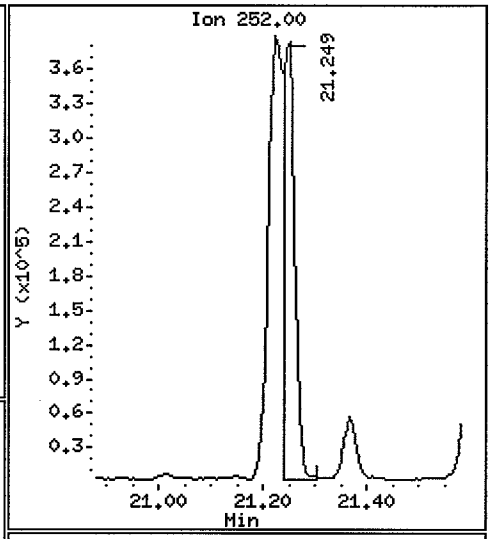
Concentration: 263.6 ug/kg

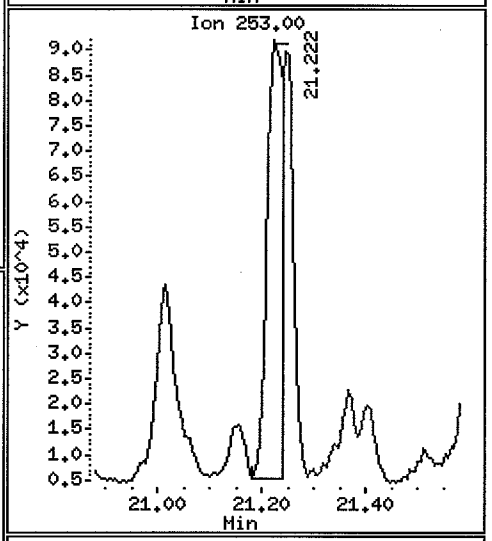


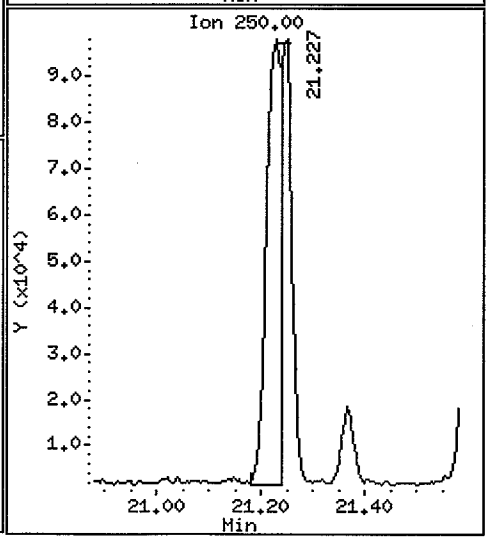












Data File: /chem1/nt6.i/20071018.b/lr71f.d

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

76 Benzo(a)pyrene

Concentration: 217.7 ug/kg

