Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

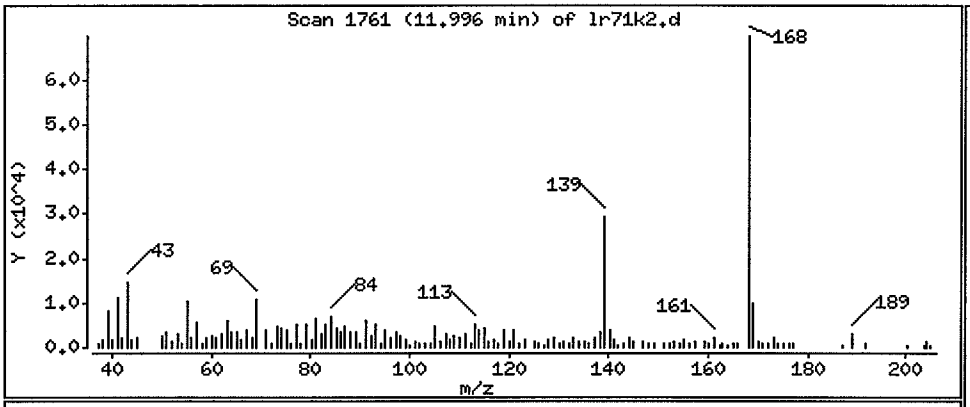
Operator: VTS

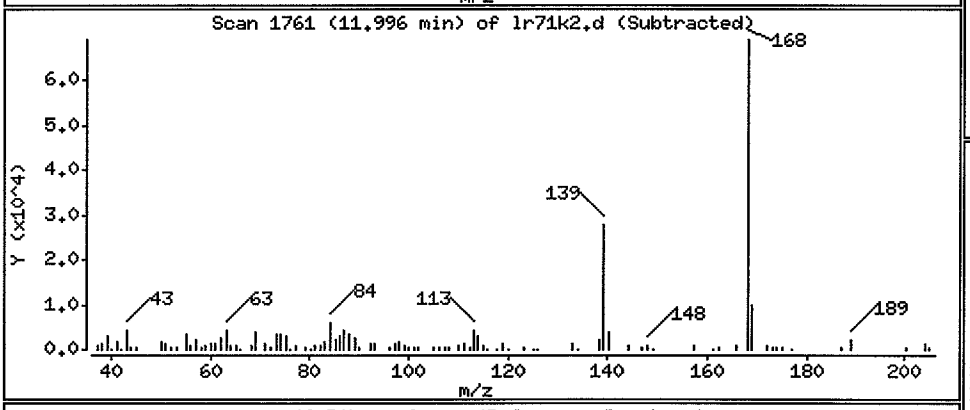
Column phase: ZB-5

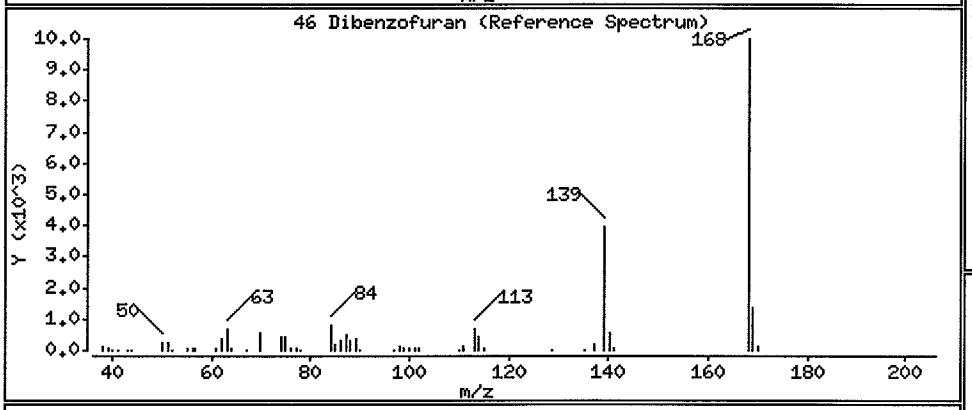
Column diameter: 0.32

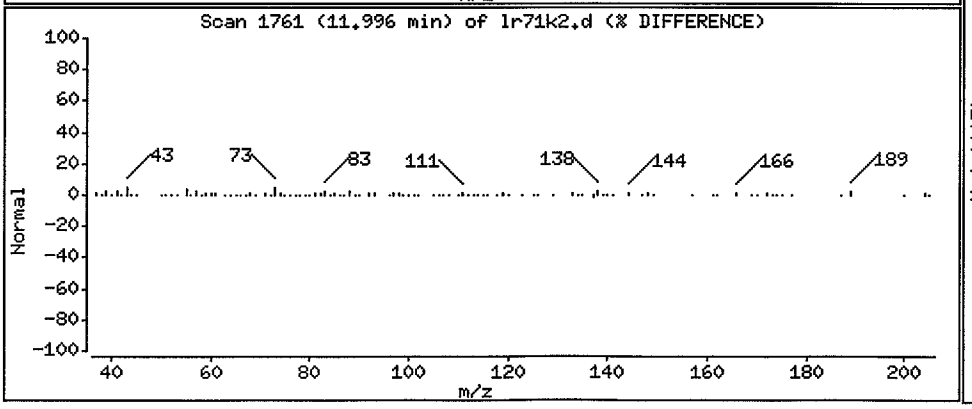
46 Dibenzofuran

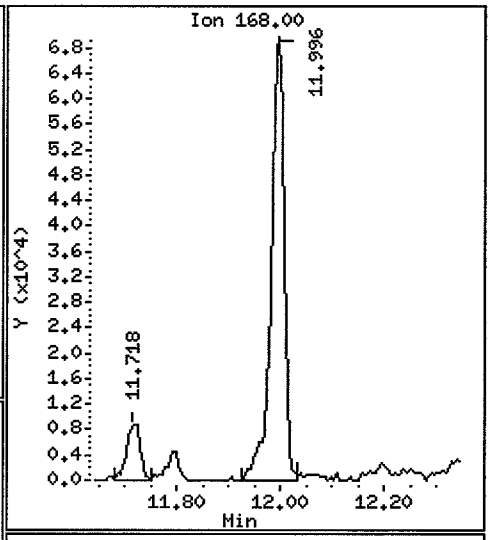
Concentration: 84.89 ug/Kg

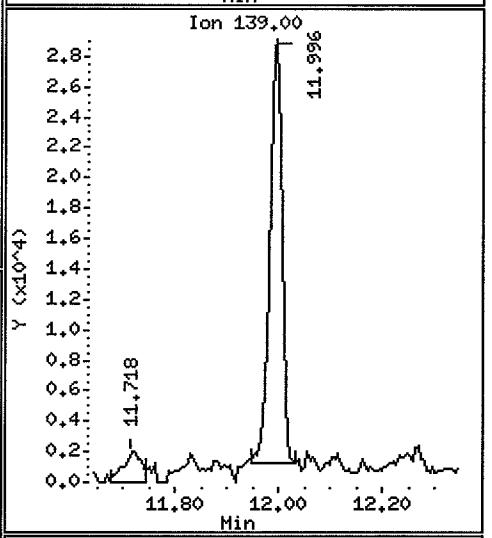


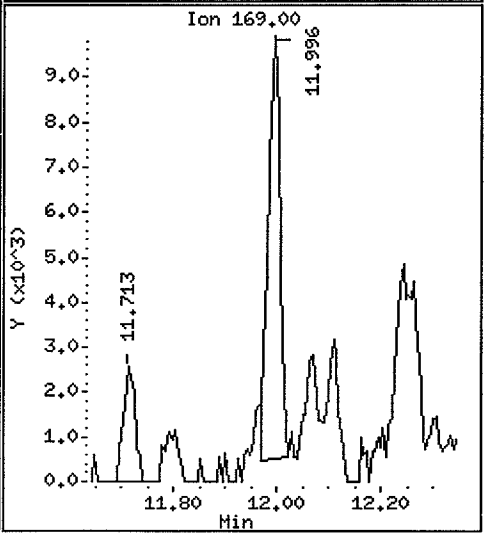












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

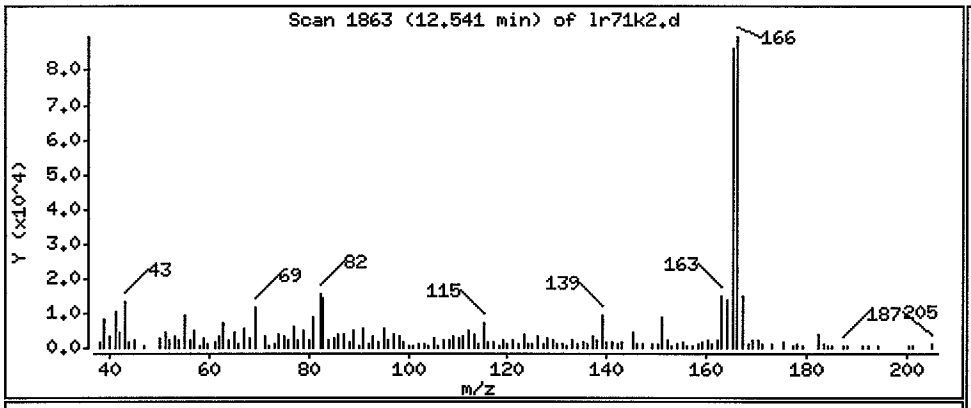
Operator: VTS

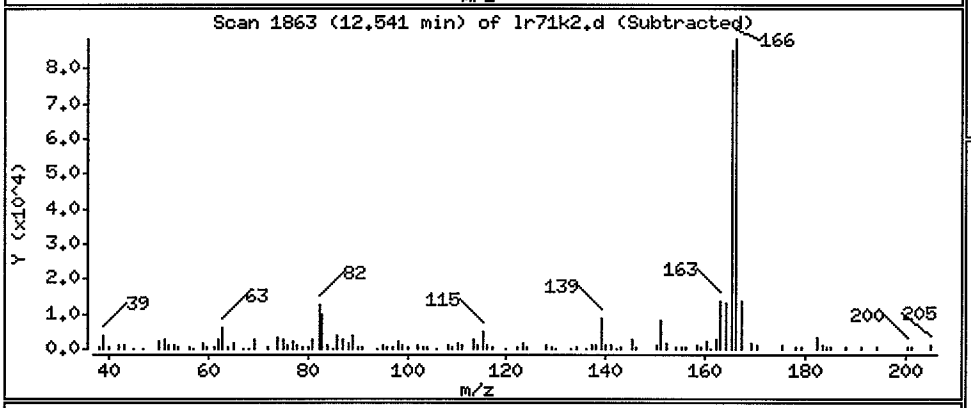
Column phase: ZB-5

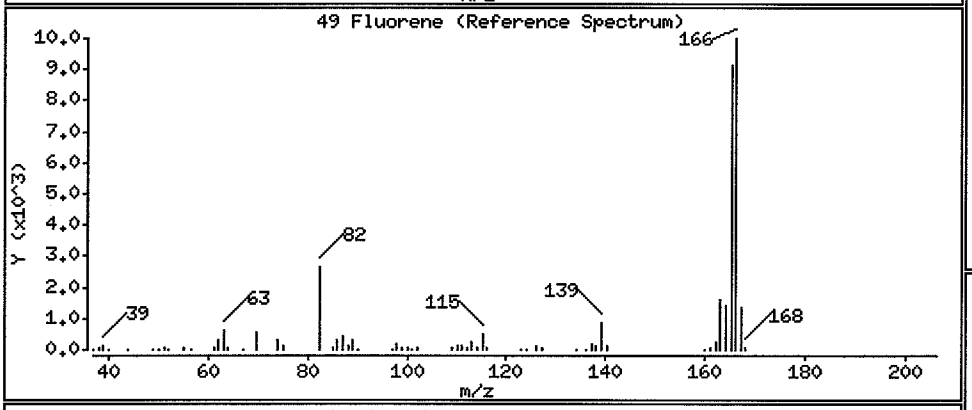
Column diameter: 0.32

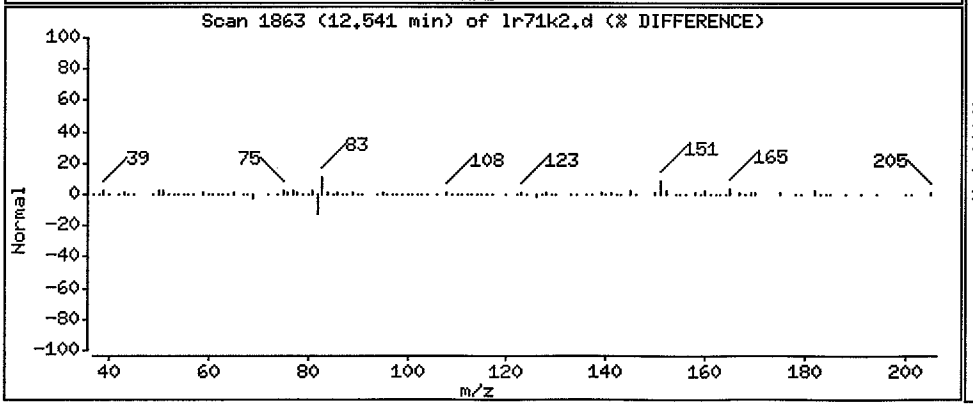
49 Fluorene

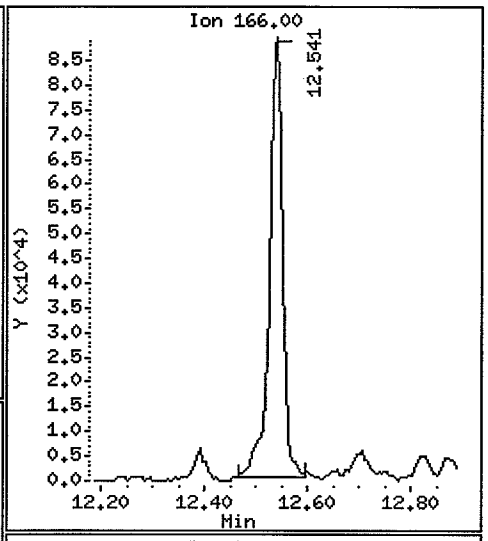
Concentration: 129.6 ug/Kg

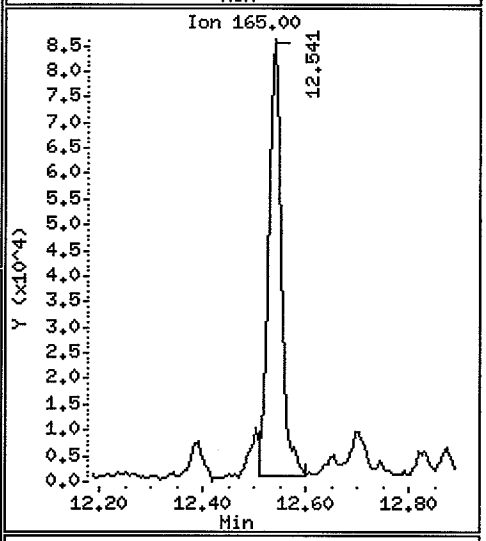


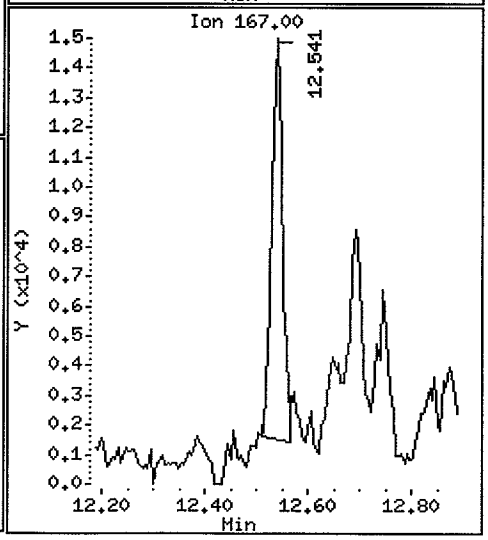












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

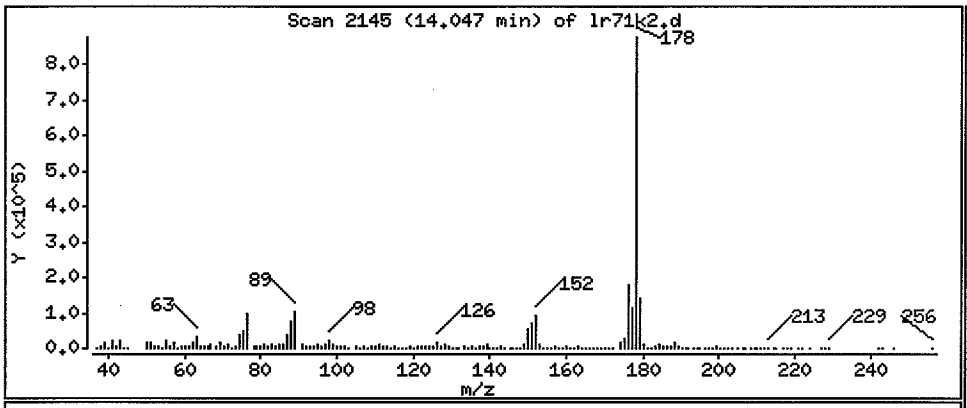
Operator: VTS

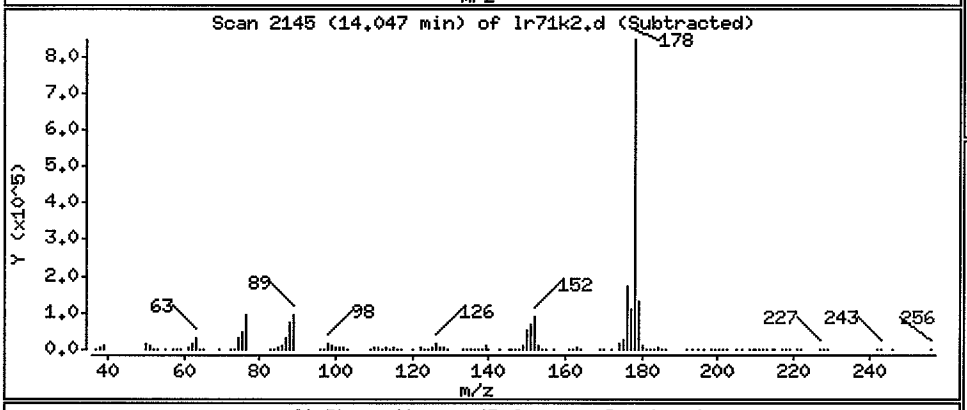
Column phase: ZB-5

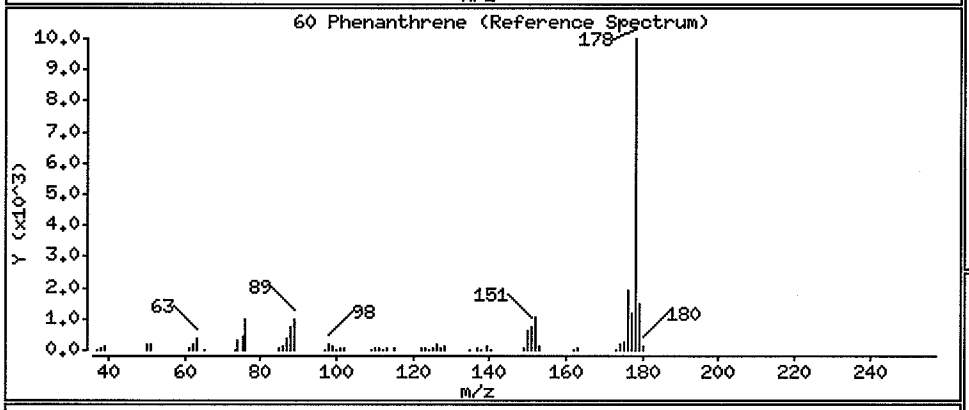
Column diameter: 0.32

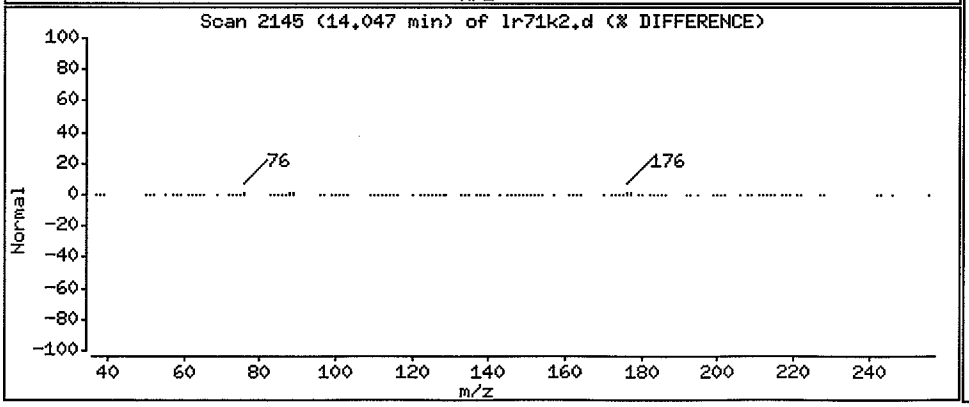
60 Phenanthrene

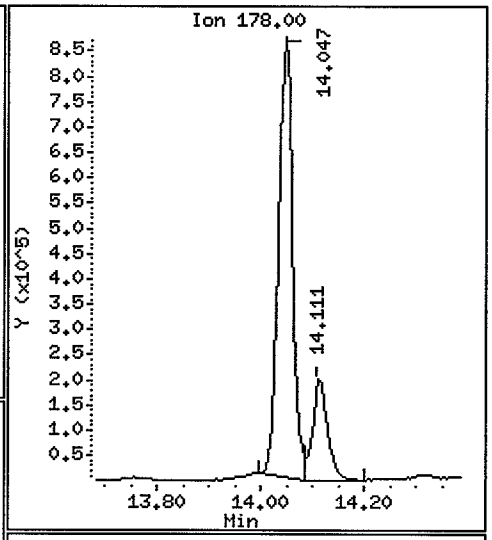
Concentration: 907.7 ug/Kg

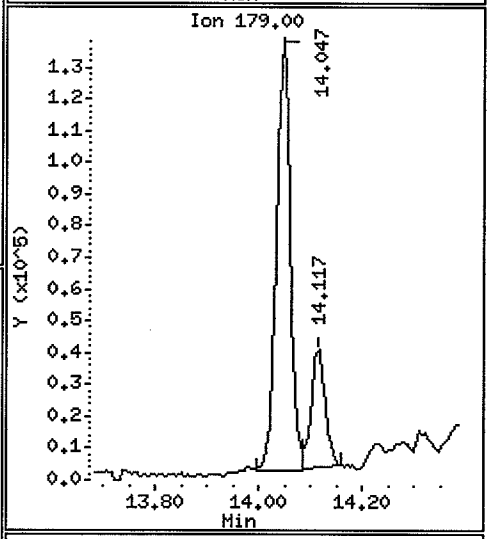


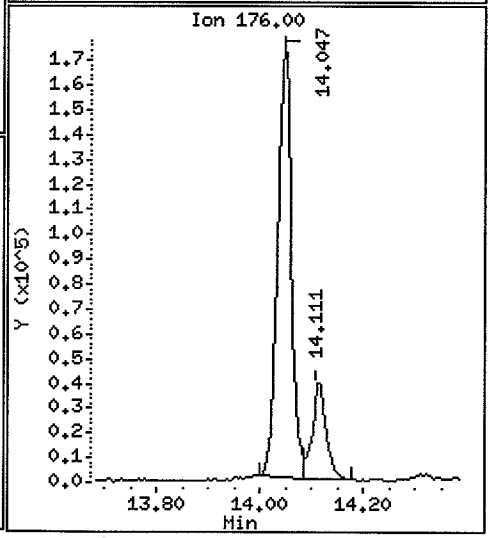












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

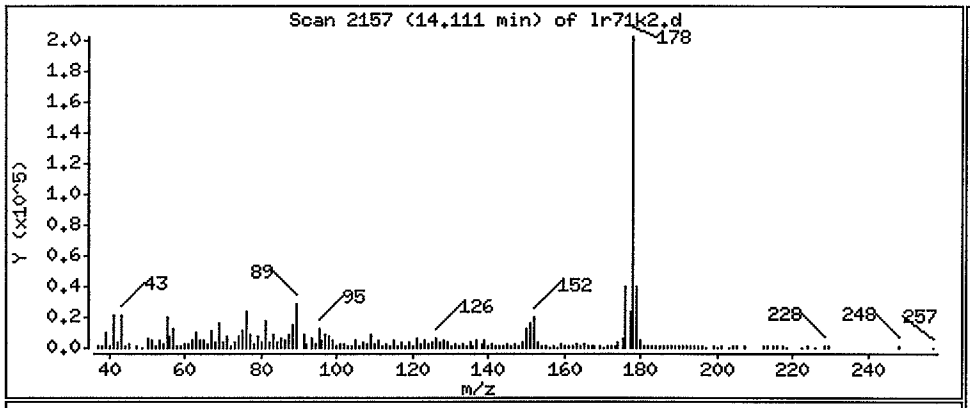
Operator: VTS

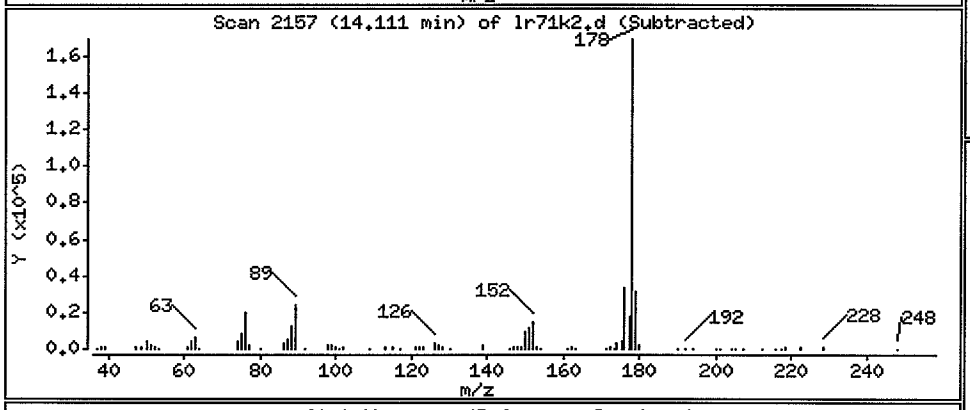
Column phase: ZB-5

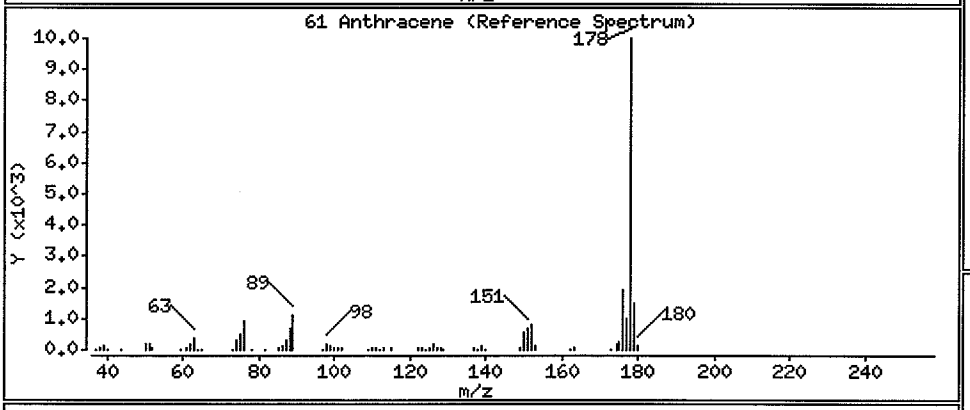
Column diameter: 0.32

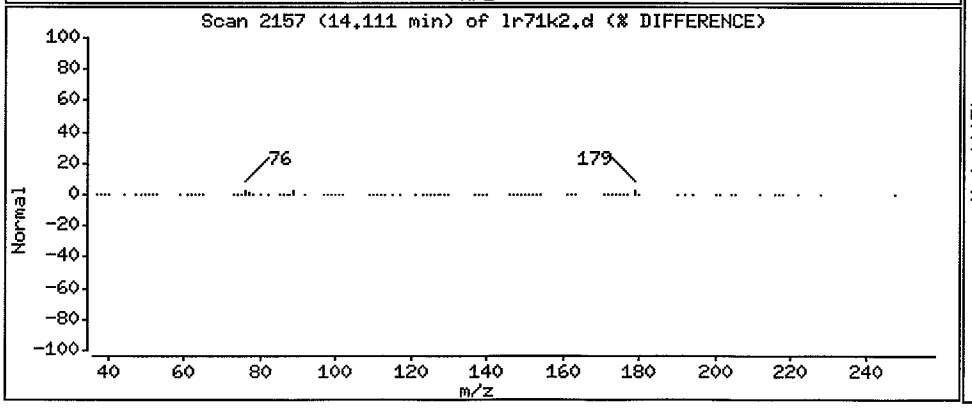
61 Anthracene

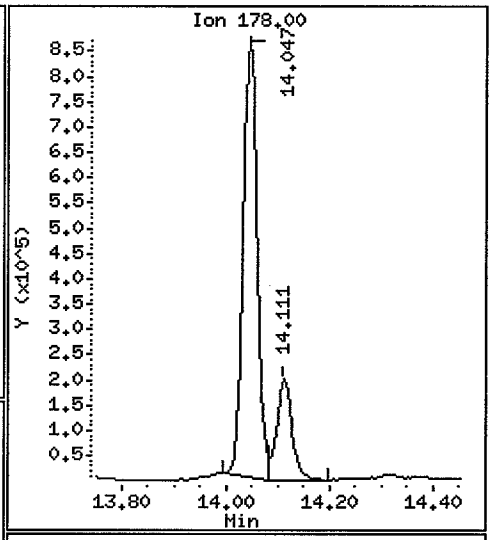
Concentration: 224.1 ug/Kg

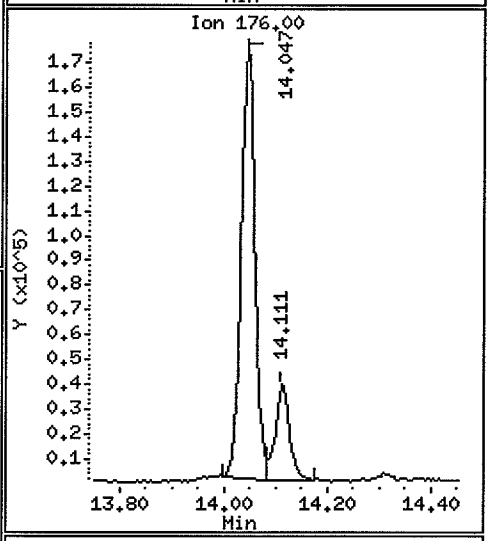


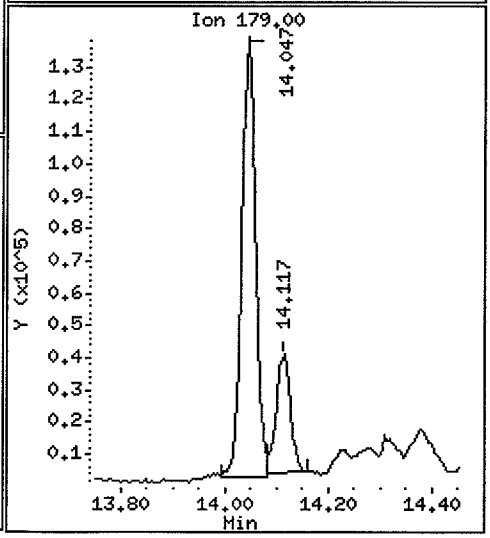












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

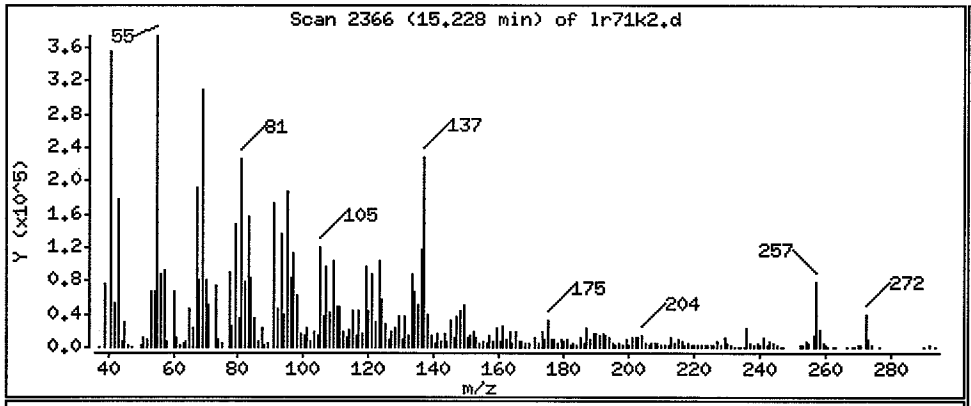
Operator: VTS

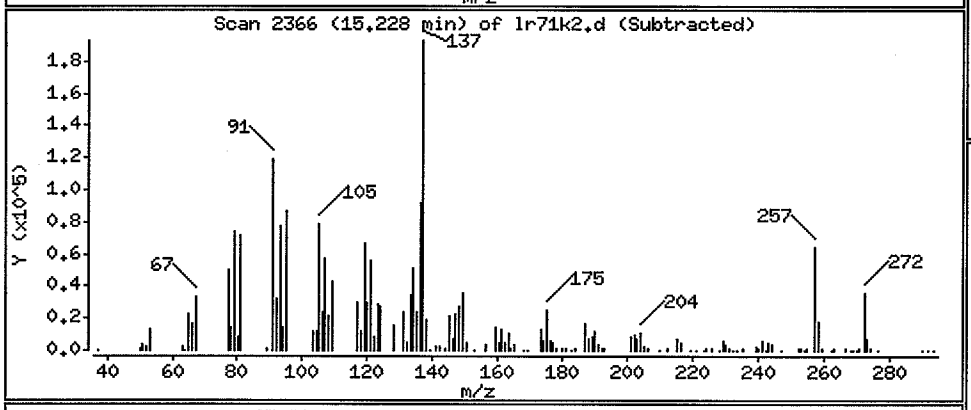
Column phase: ZB-5

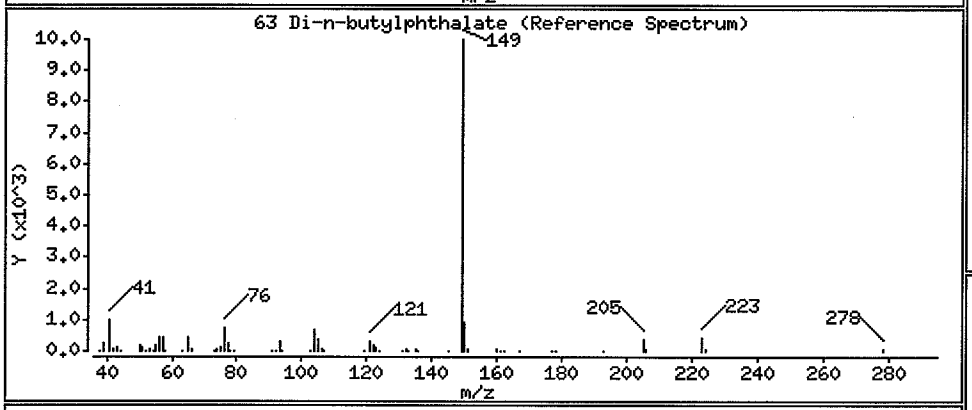
Column diameter: 0.32

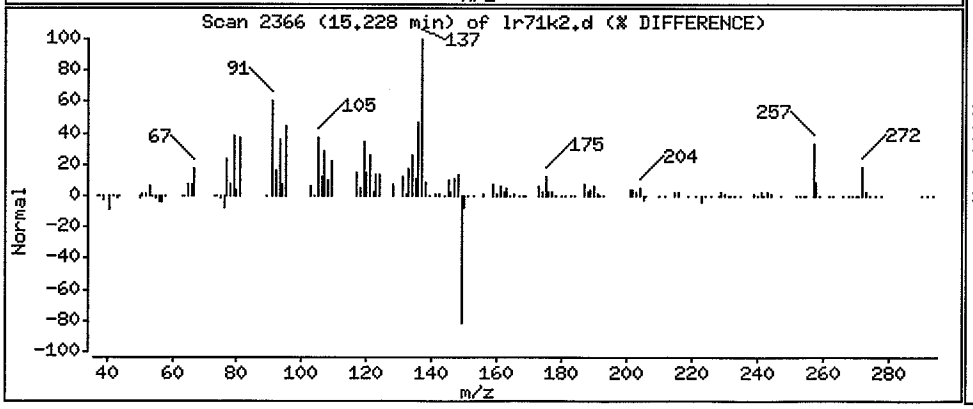
63 Di-n-butylphthalate

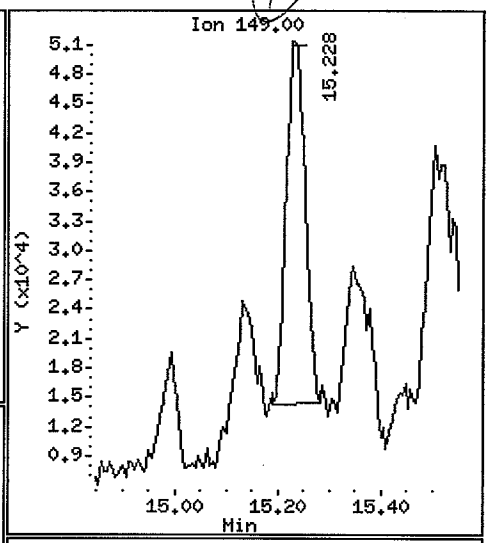
Concentration: 50.16 ug/Kg

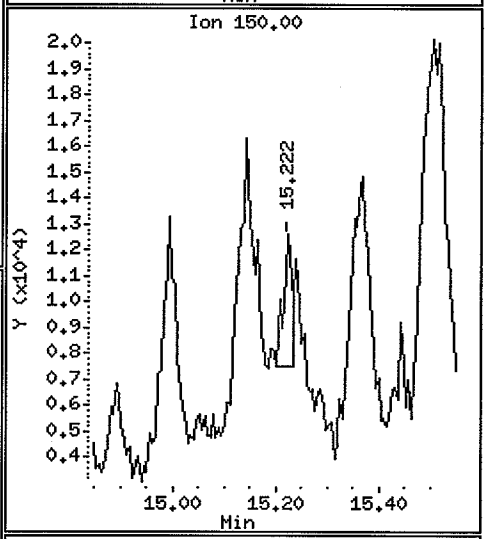


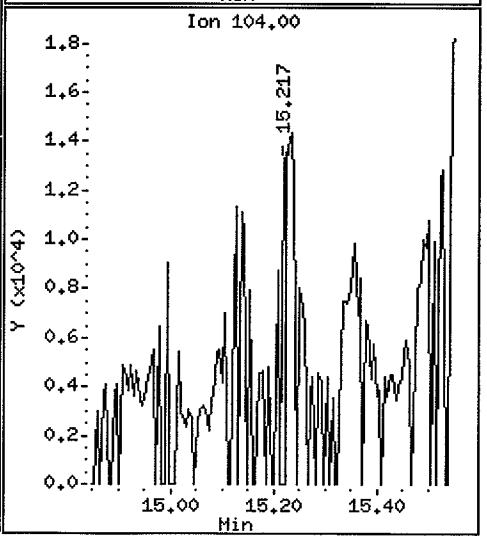












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

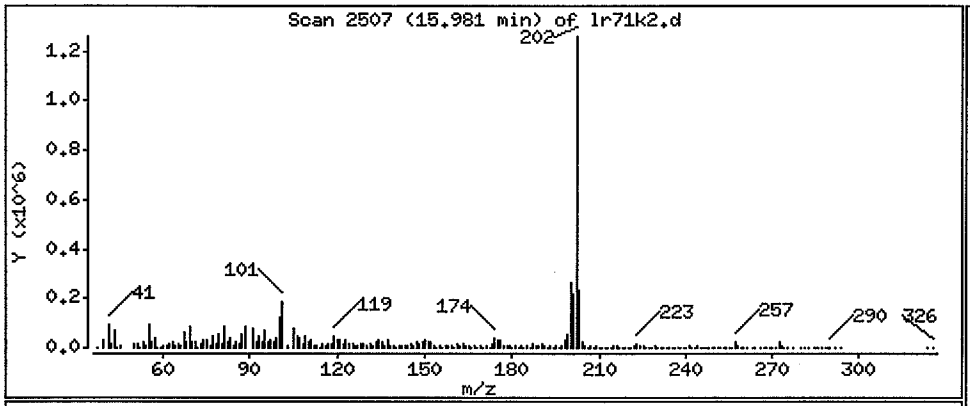
Operator: VTS

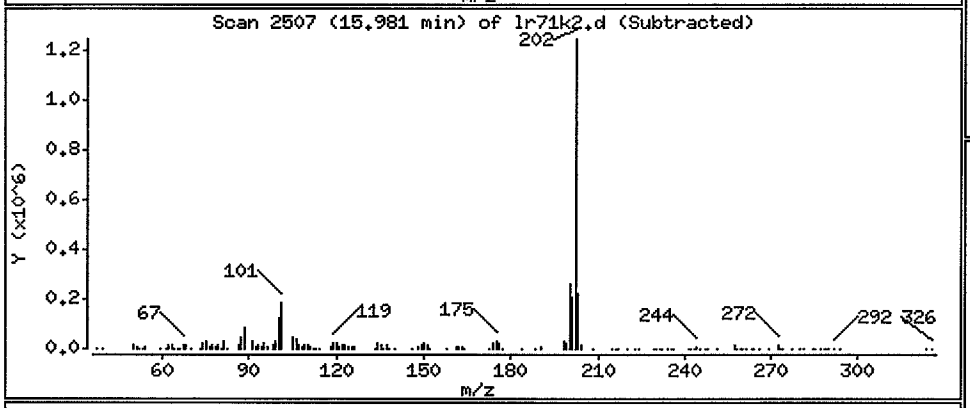
Column phase: ZB-5

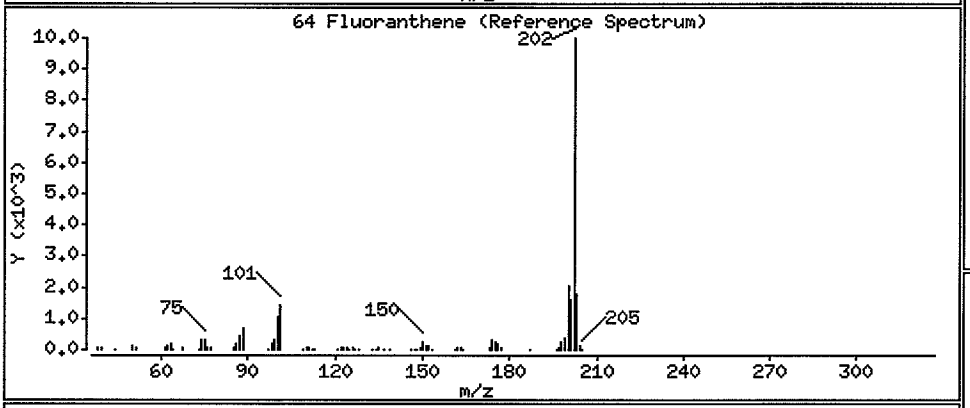
Column diameter: 0.32

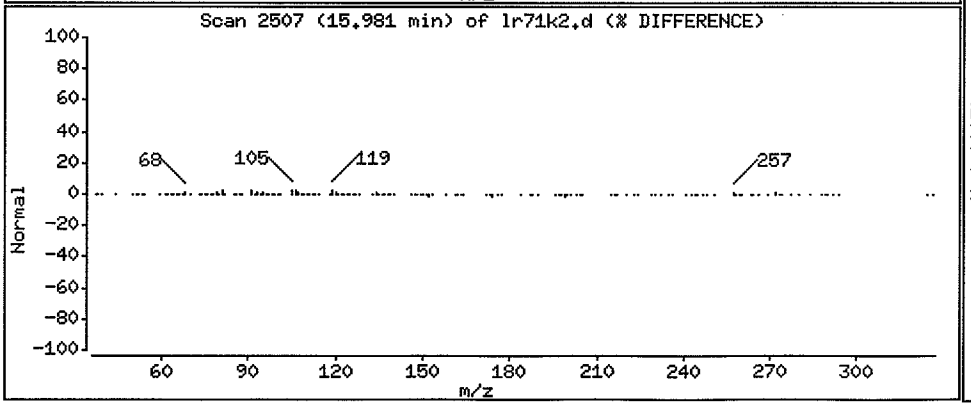
64 Fluoranthene

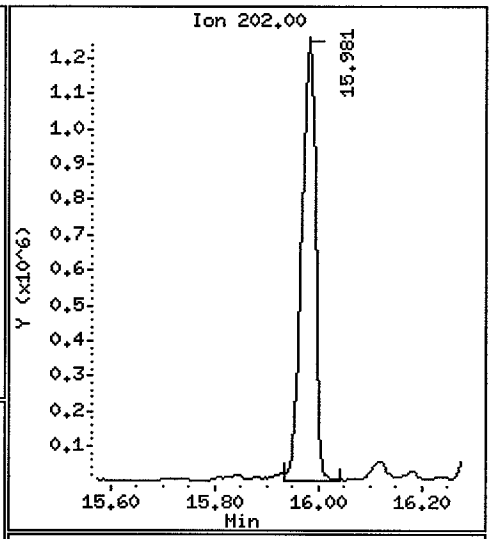
Concentration: 1178 ug/Kg

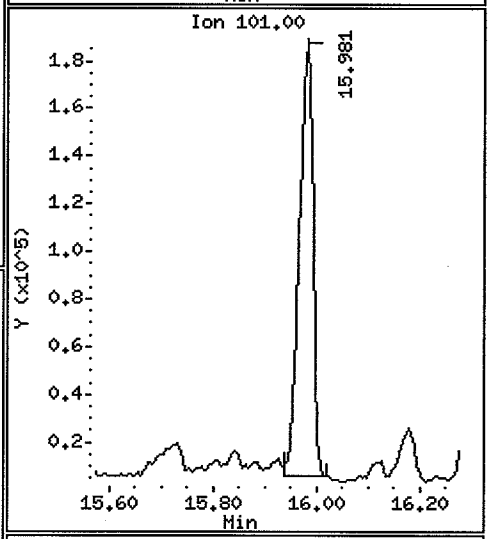


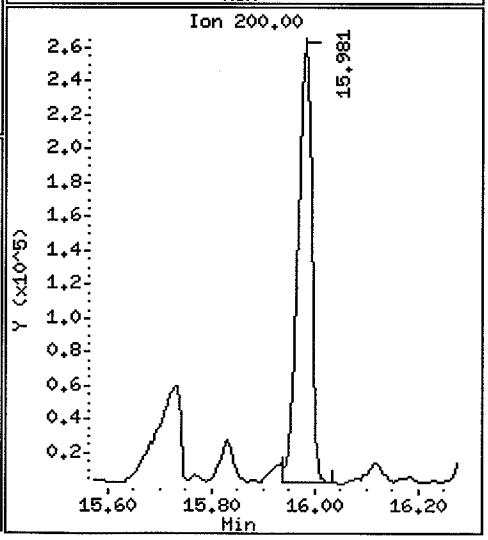












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

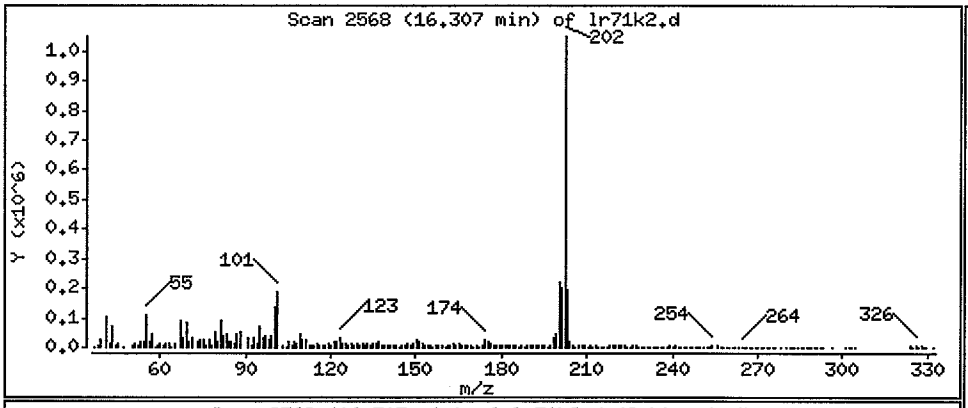
Operator: VTS

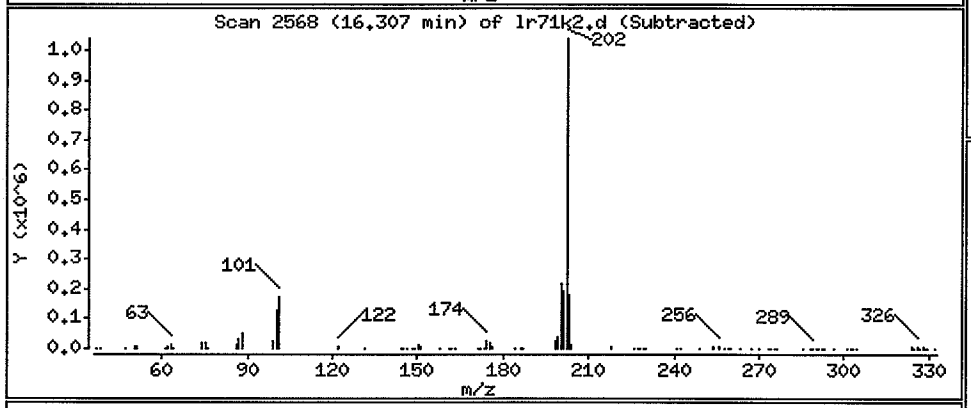
Column phase: ZB-5

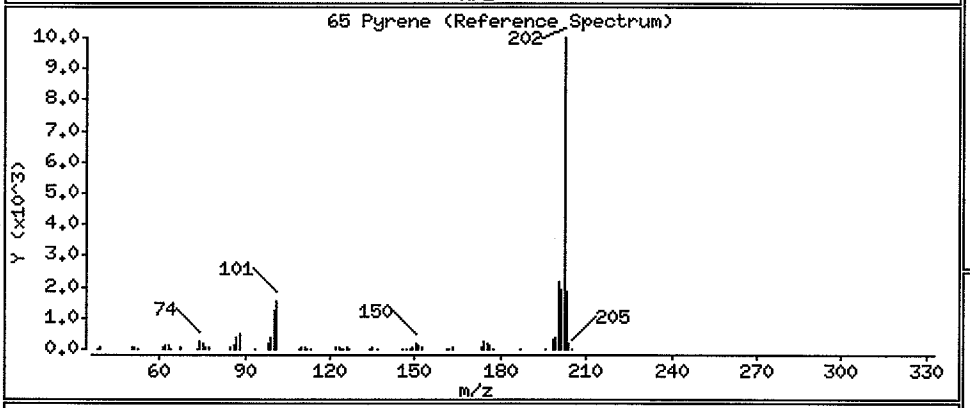
Column diameter: 0.32

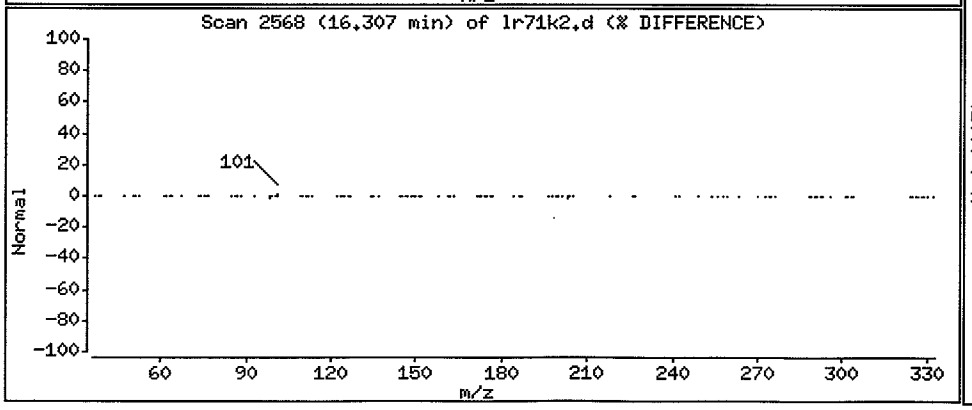
65 Pyrene

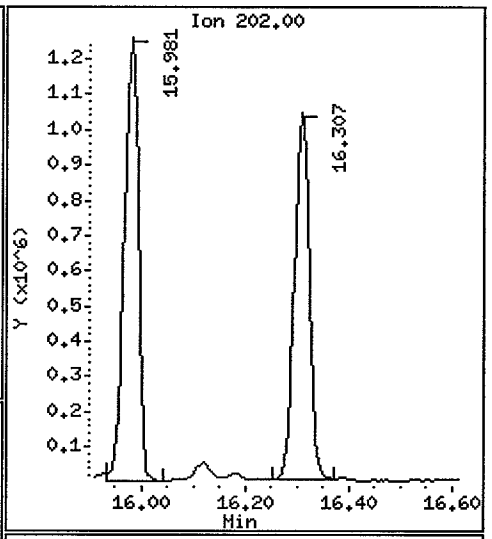
Concentration: 1407 ug/Kg

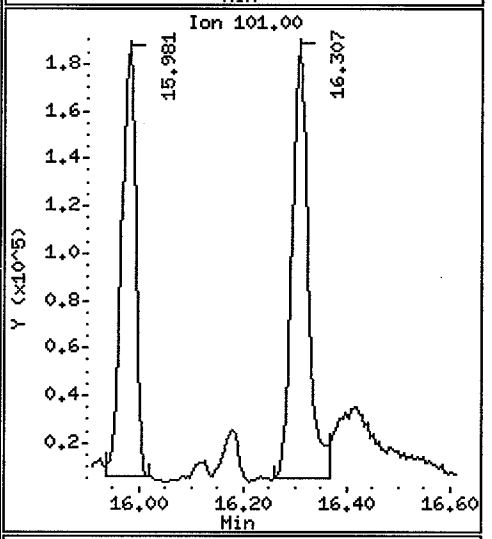


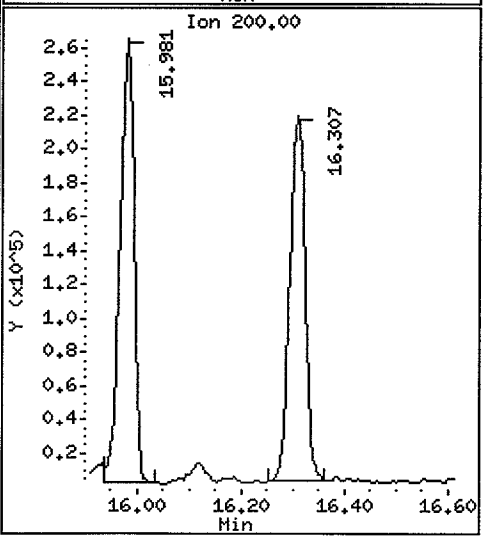












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

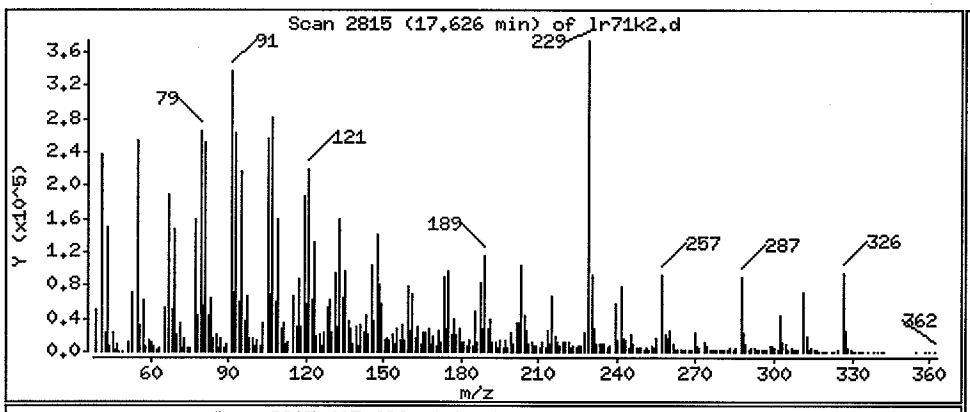
Operator: VTS

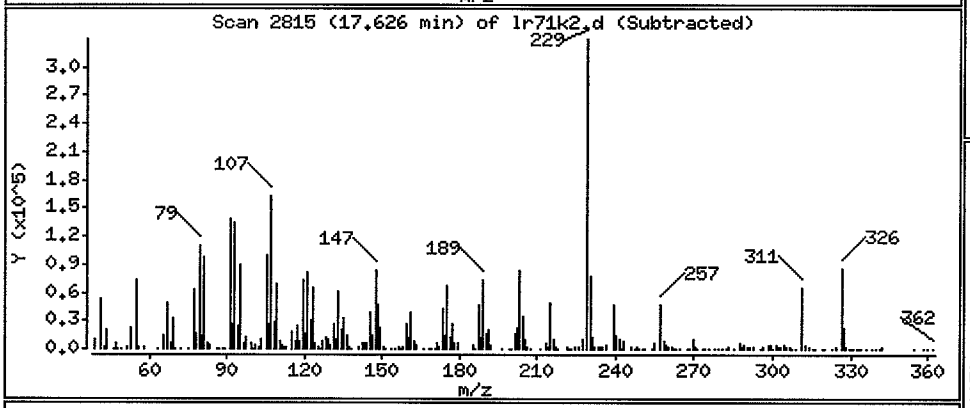
Column phase: ZB-5

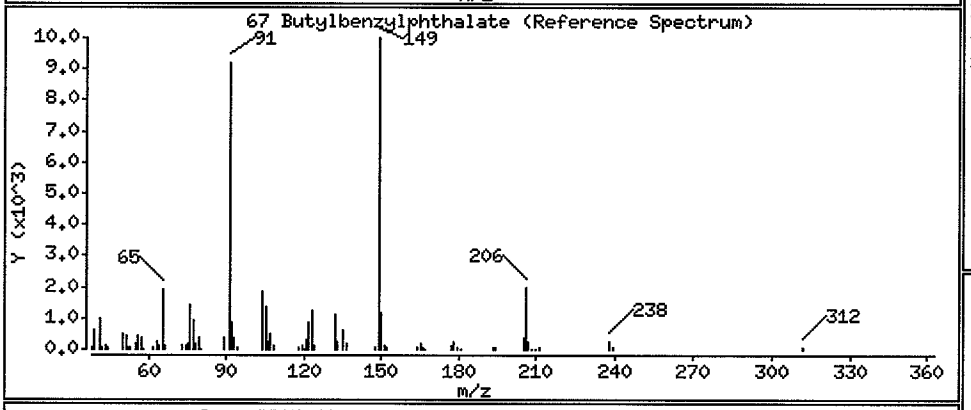
Column diameter: 0.32

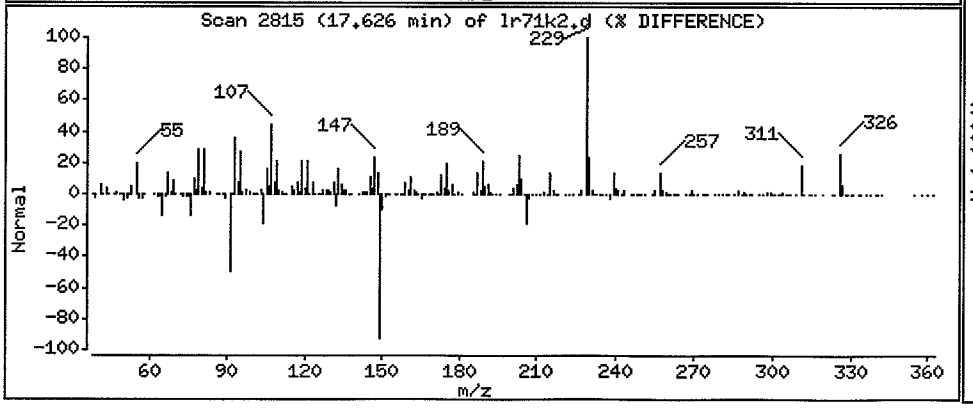
67 Butylbenzylphthalate

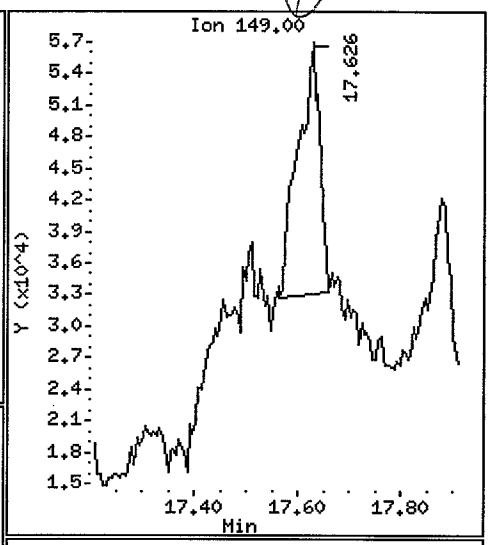
Concentration: 115.8 ug/Kg

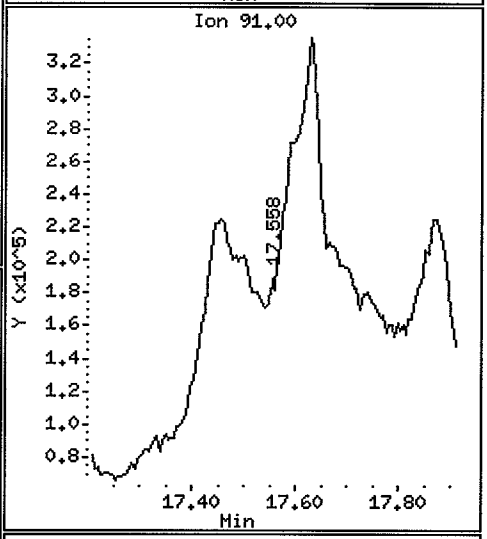


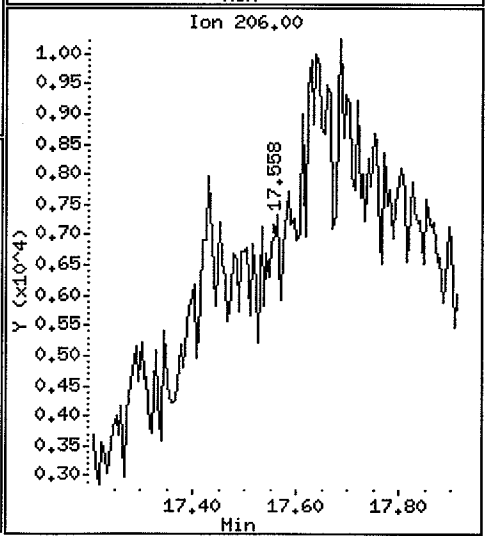












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

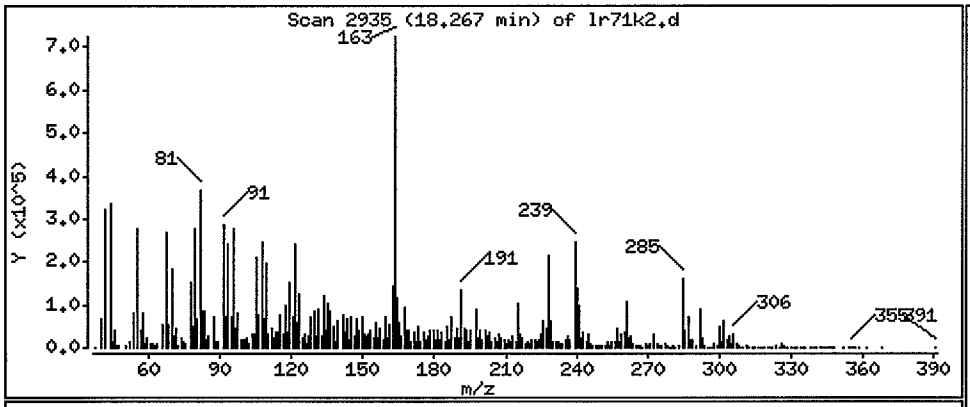
Operator: VTS

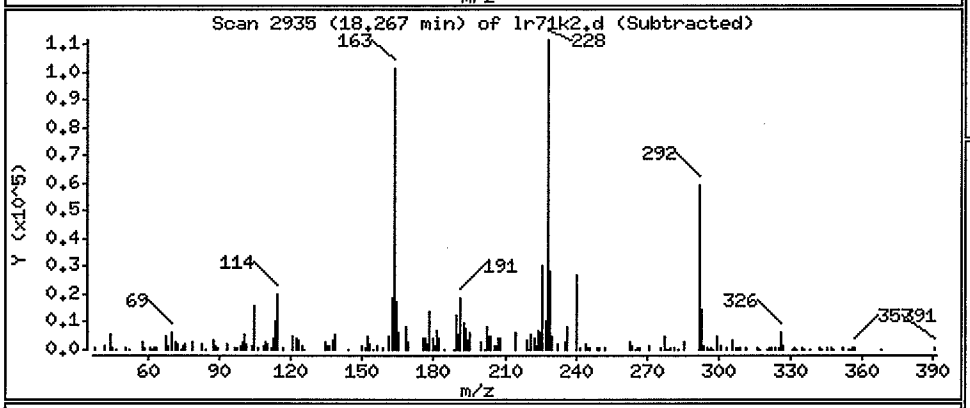
Column phase: ZB-5

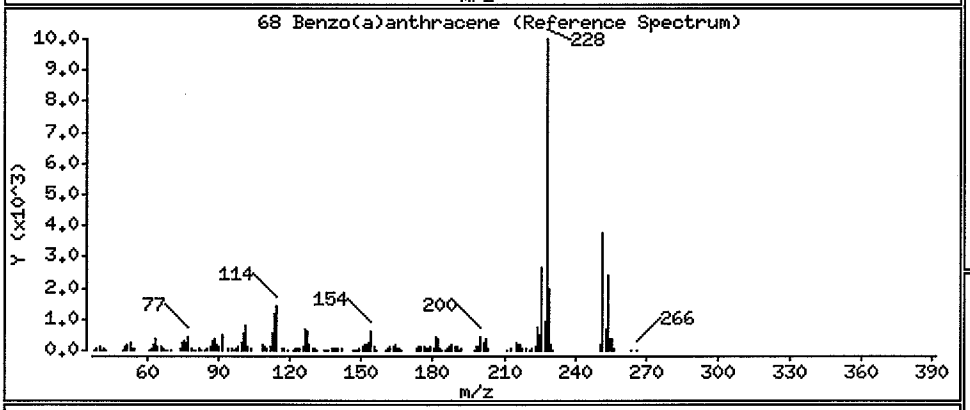
Column diameter: 0.32

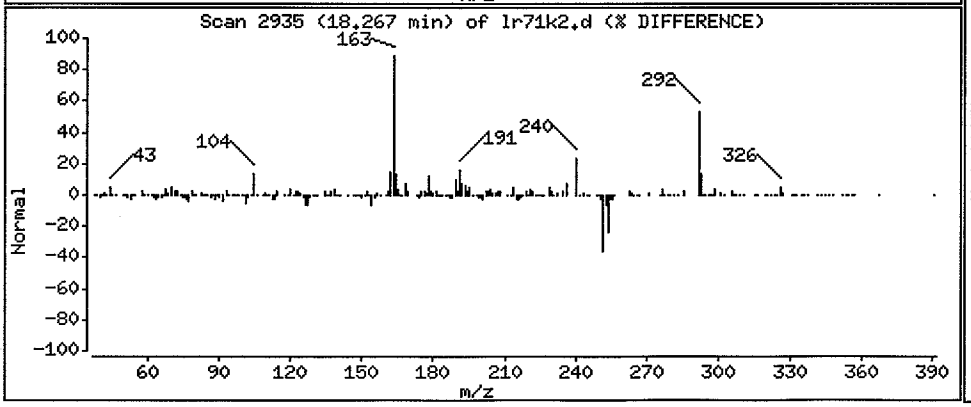
68 Benzo(a)anthracene

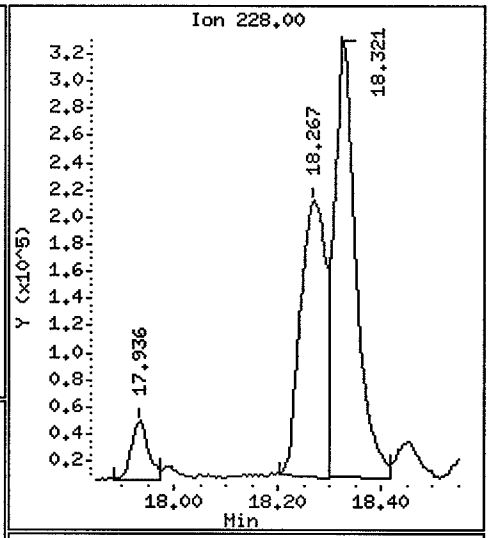
Concentration: 536.5 ug/Kg

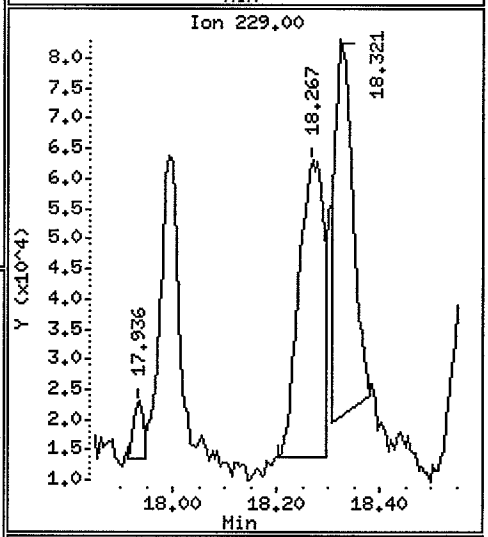


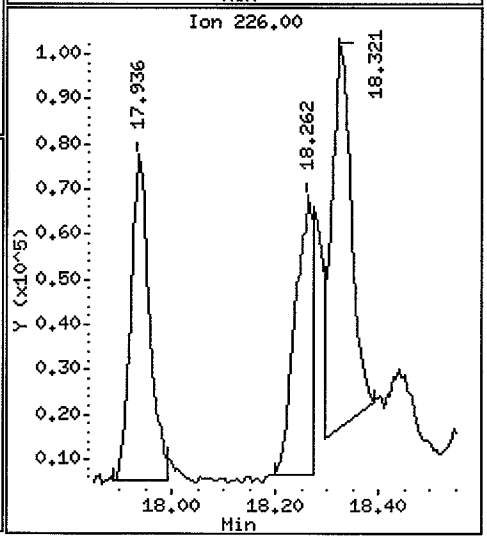












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

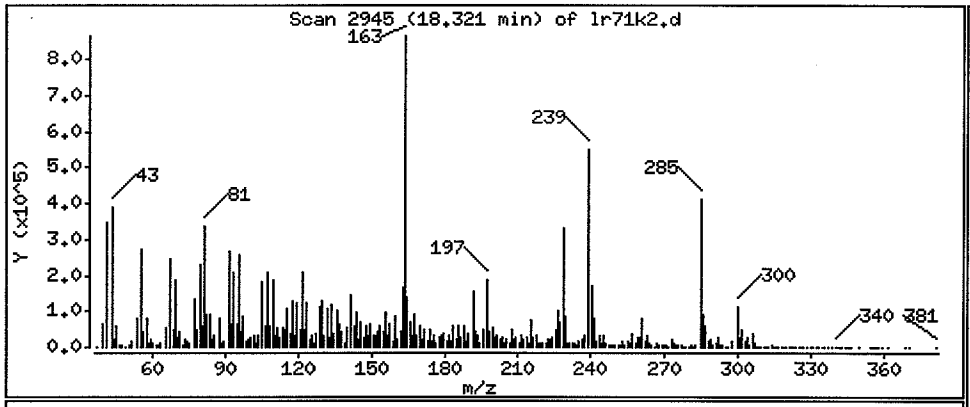
Operator: VTS

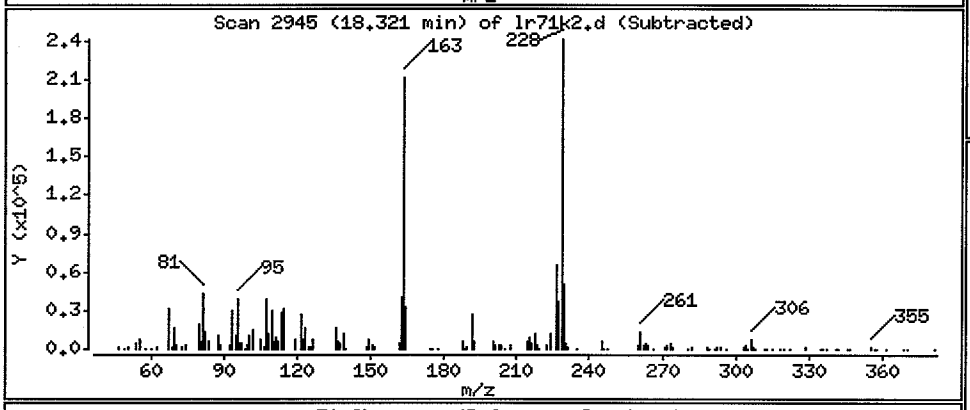
Column phase: ZB-5

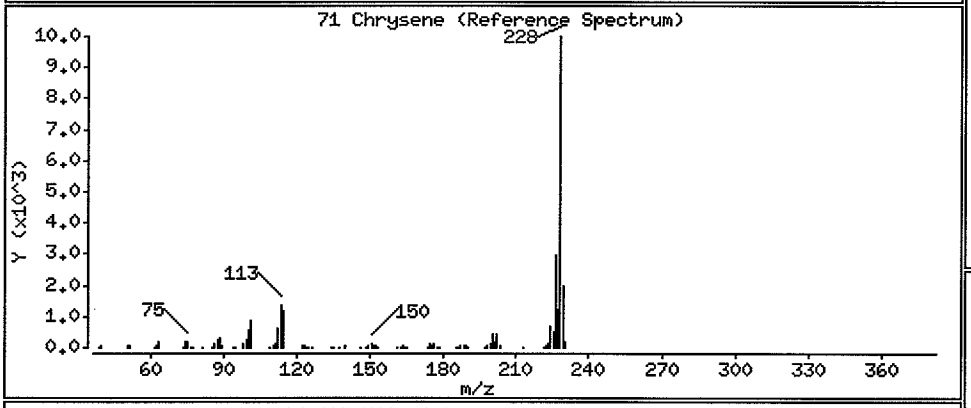
Column diameter: 0.32

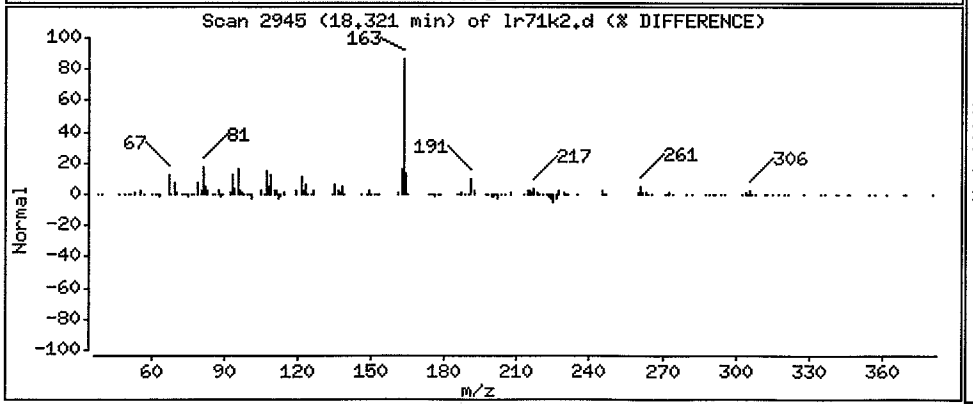
71 Chrysene

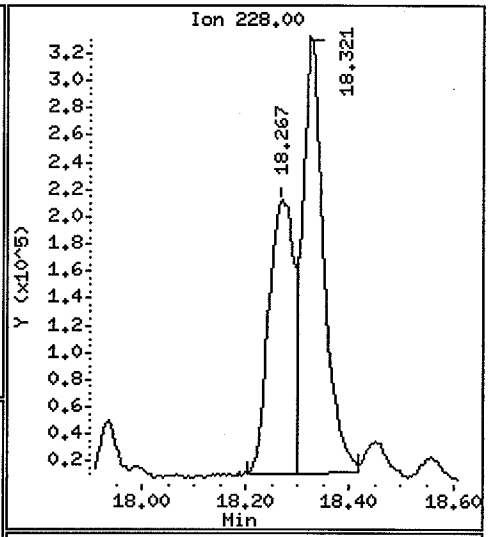
Concentration: 708.2 ug/Kg

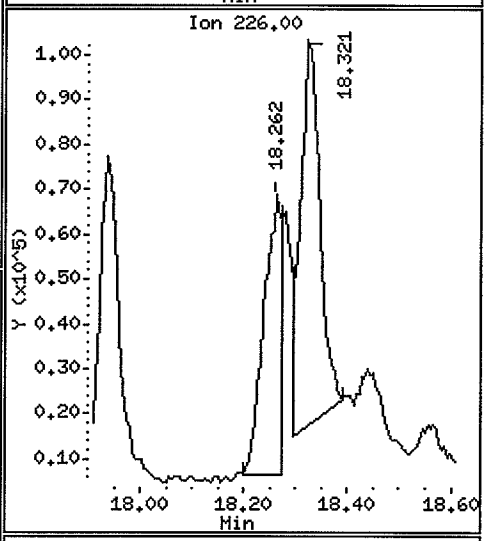


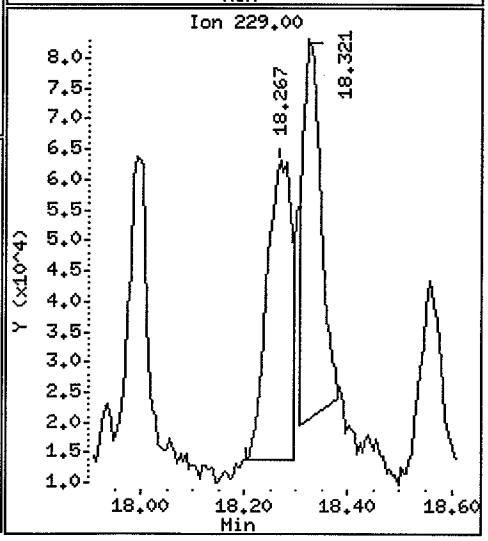












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

Operator: VTS

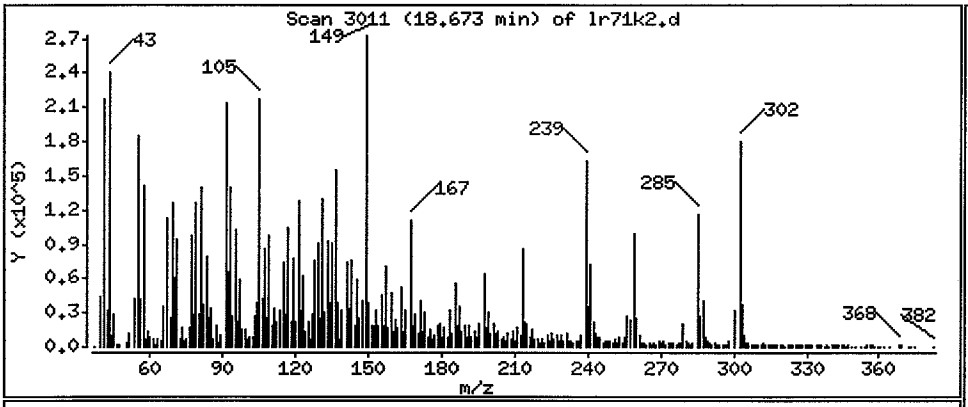
Column phase: ZB-5

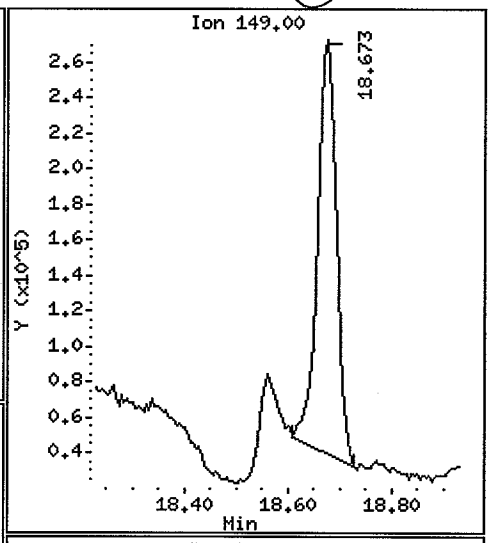
Column diameter: 0.32

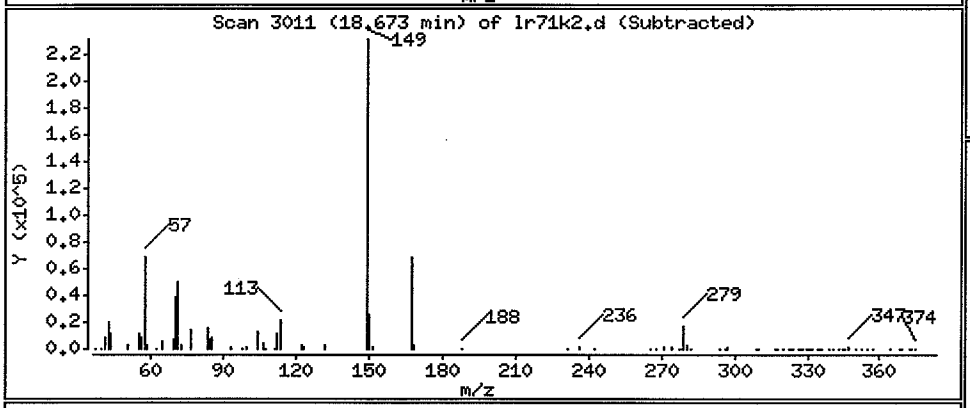
72 bis(2-Ethylhexyl)phthalate

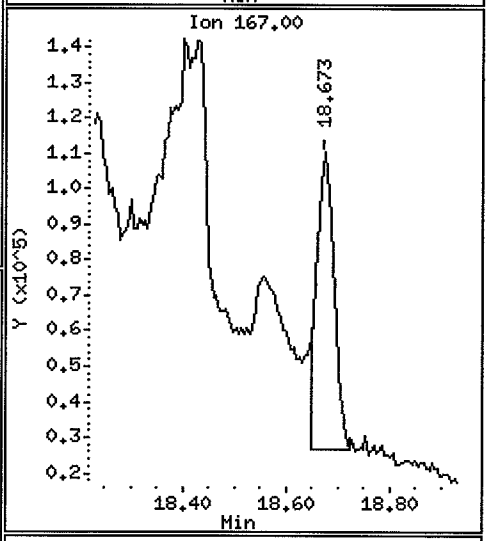
Concentration: 500.3 ug/Kg

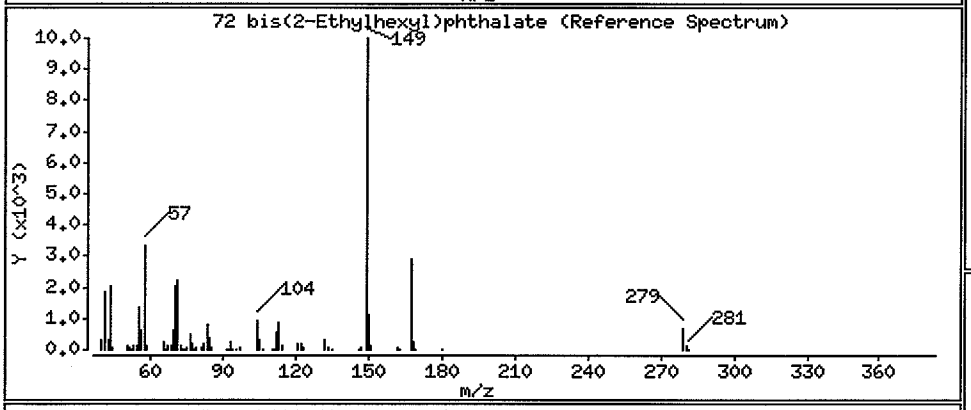
(B)

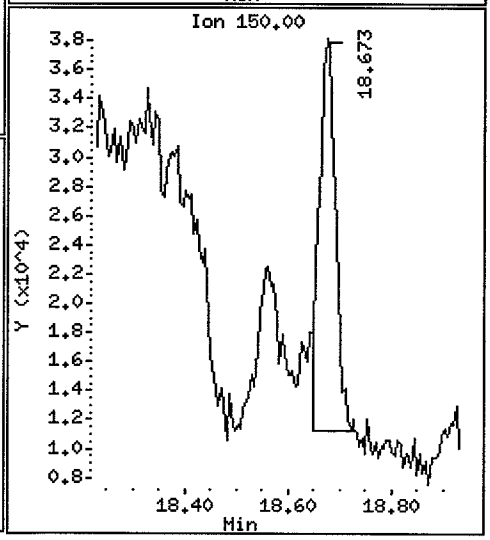


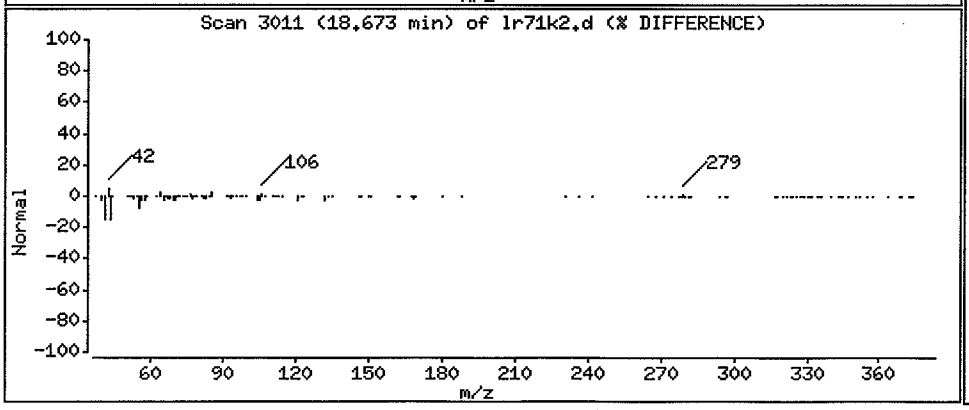












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

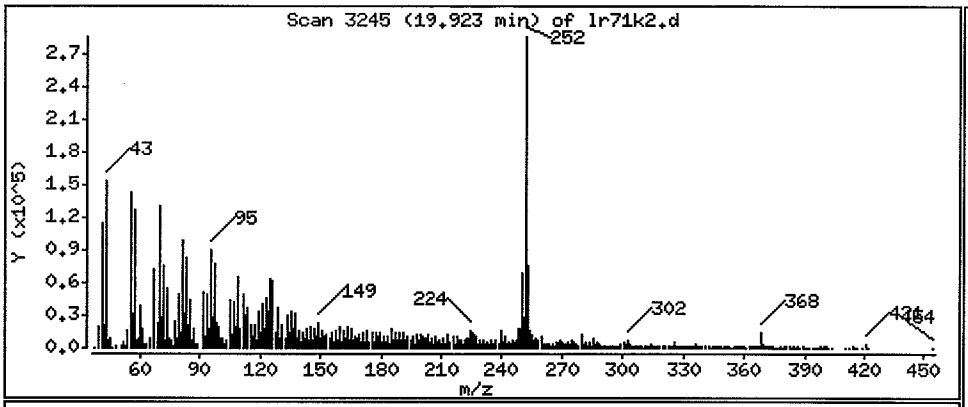
Operator: VTS

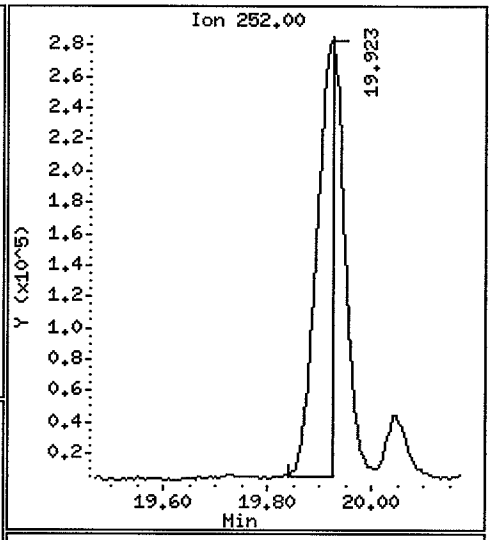
Column phase: ZB-5

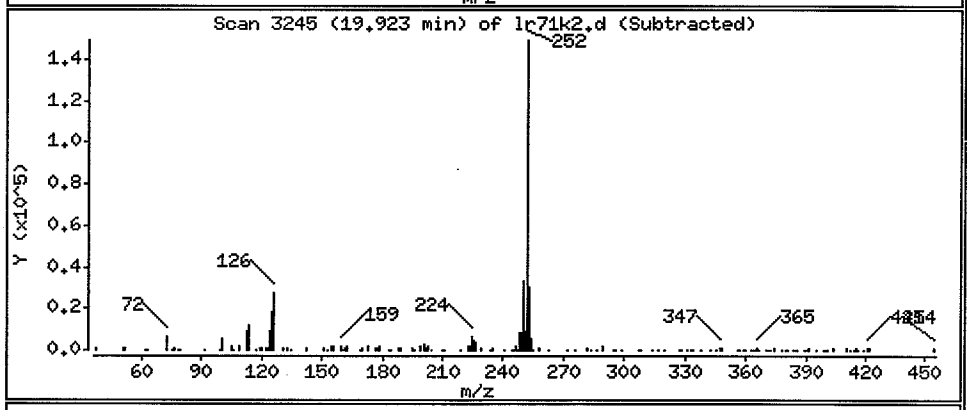
Column diameter: 0.32

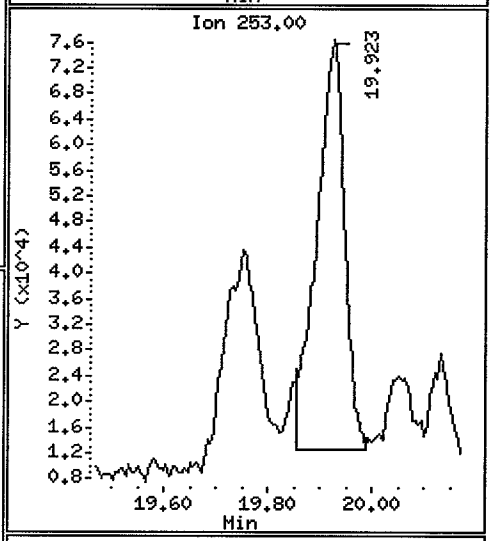
74 Benzo(b)fluoranthene

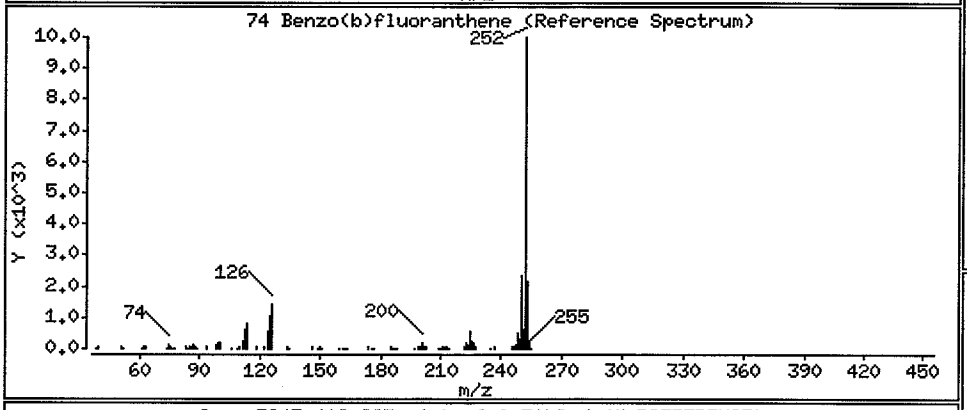
Concentration: 436.2 ug/Kg

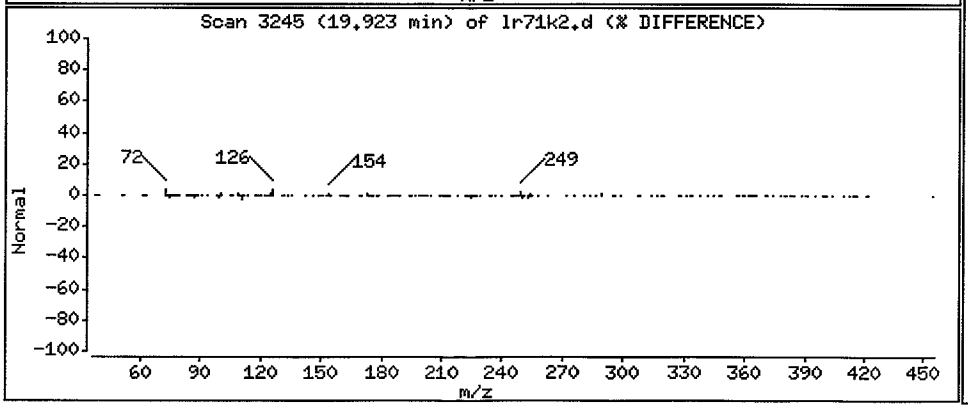


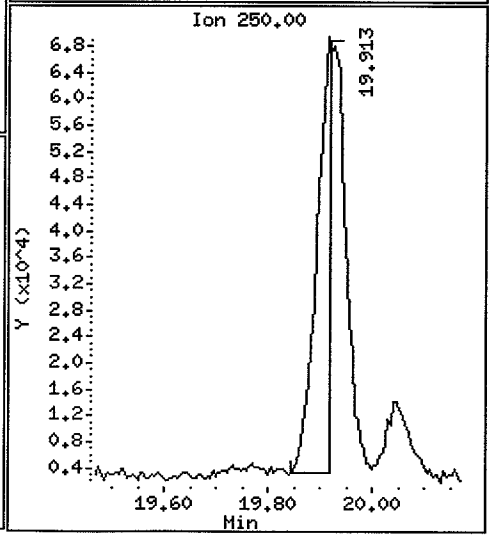












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

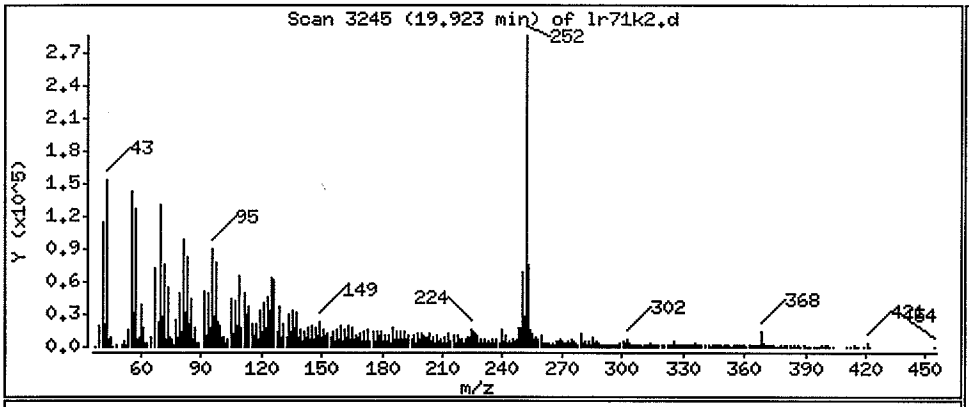
Operator: VTS

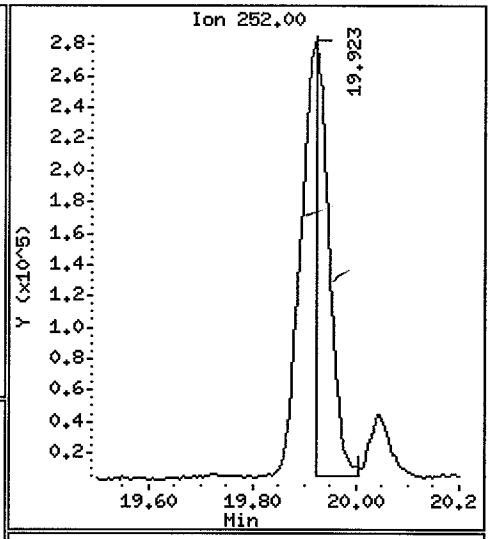
Column phase: ZB-5

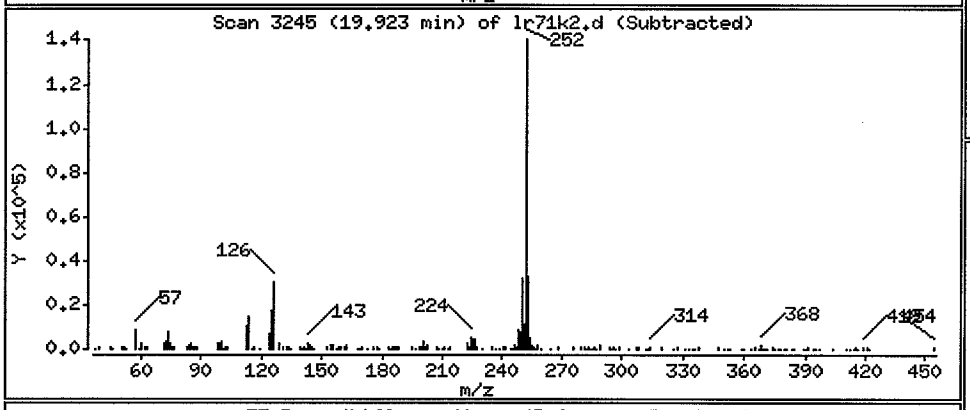
Column diameter: 0.32

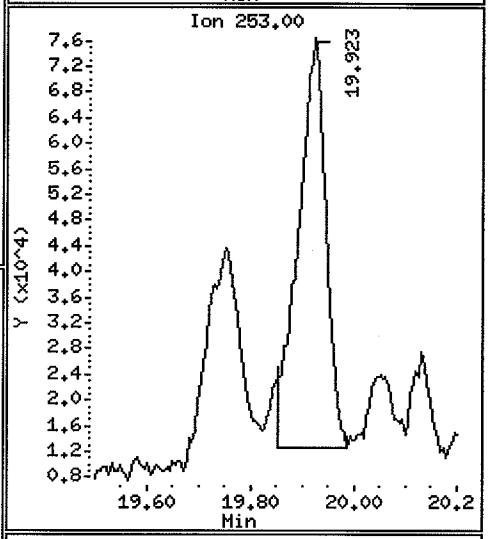
75 Benzo(k)fluoranthene

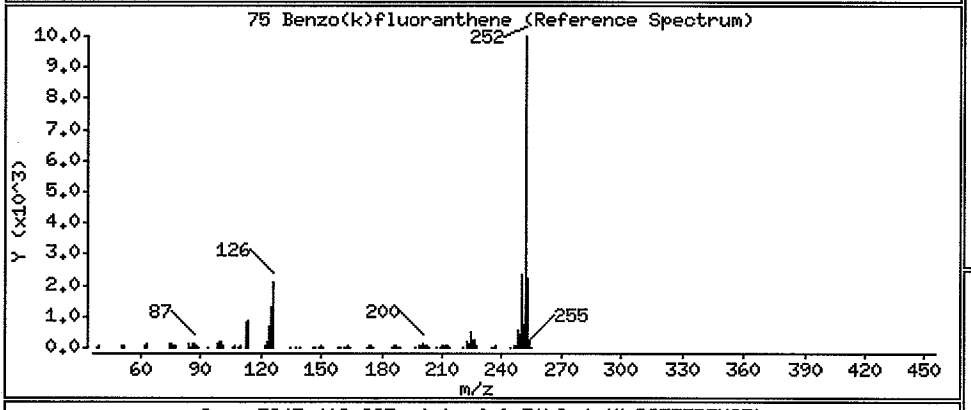
Concentration: 338.5 ug/Kg

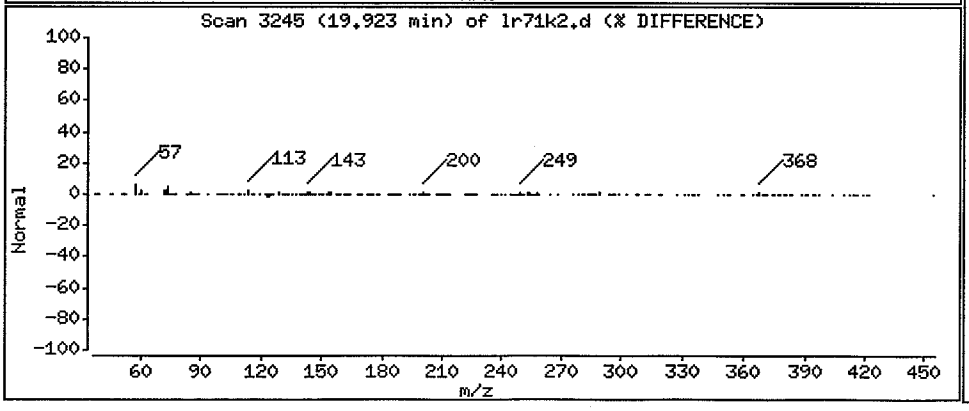


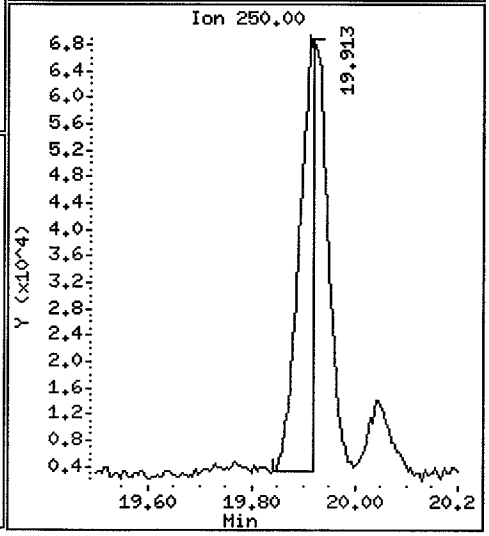












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

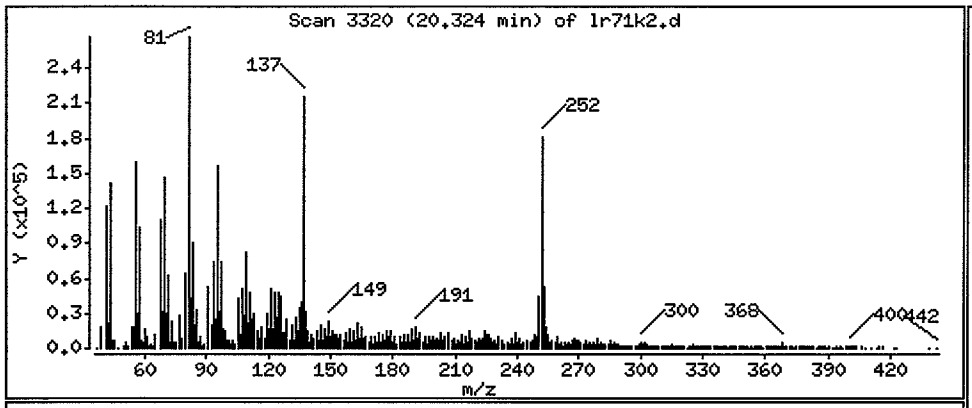
Operator: VTS

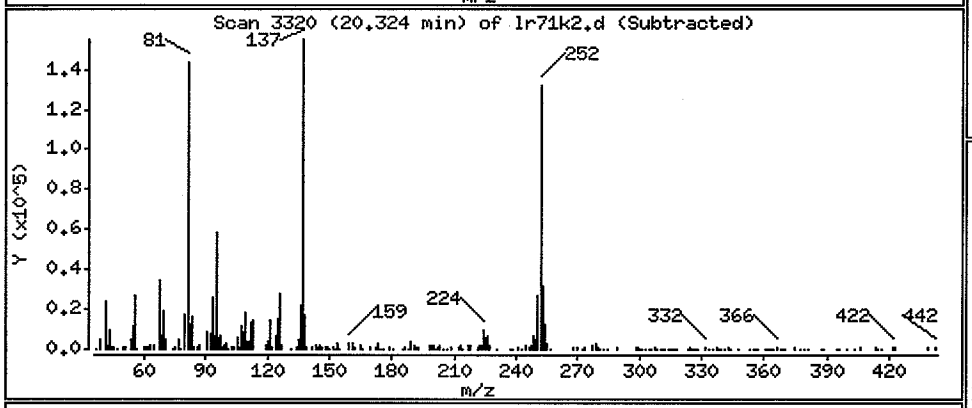
Column phase: ZB-5

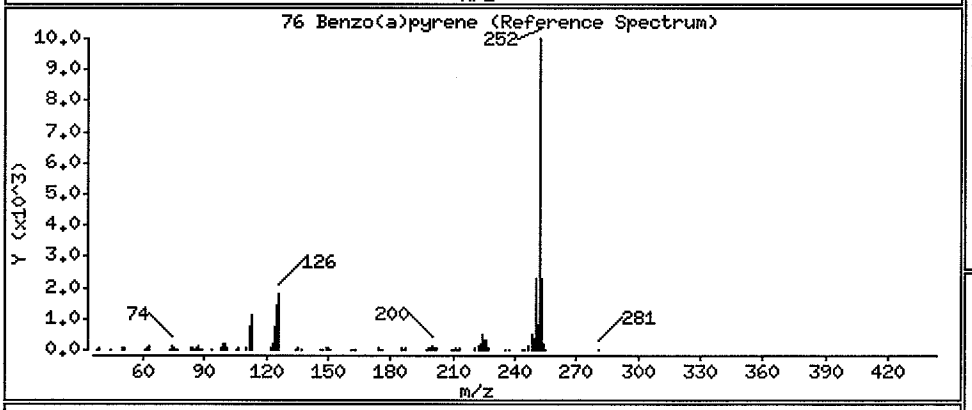
Column diameter: 0.32

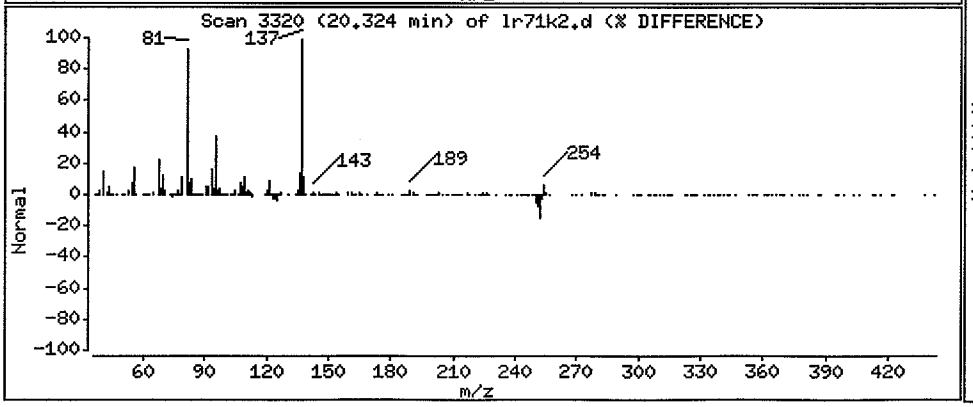
76 Benzo(a)pyrene

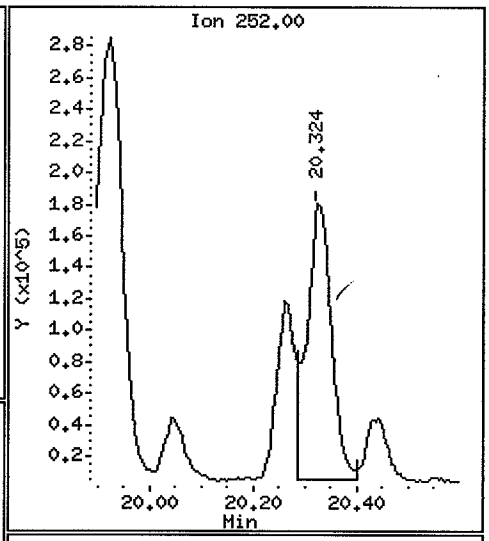
Concentration: 458.6 ug/Kg

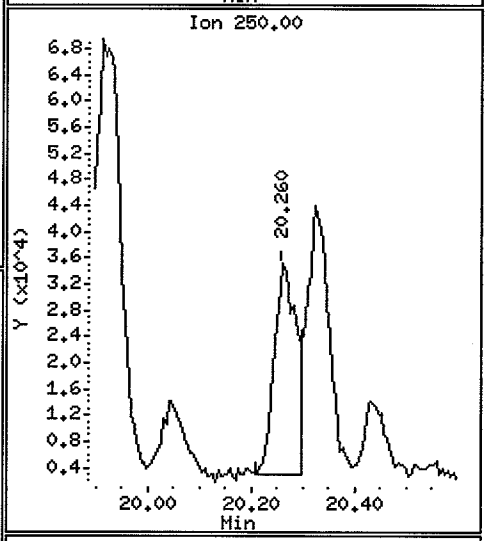


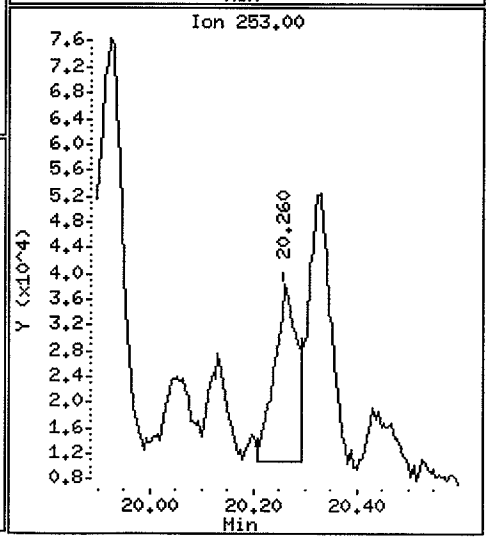












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

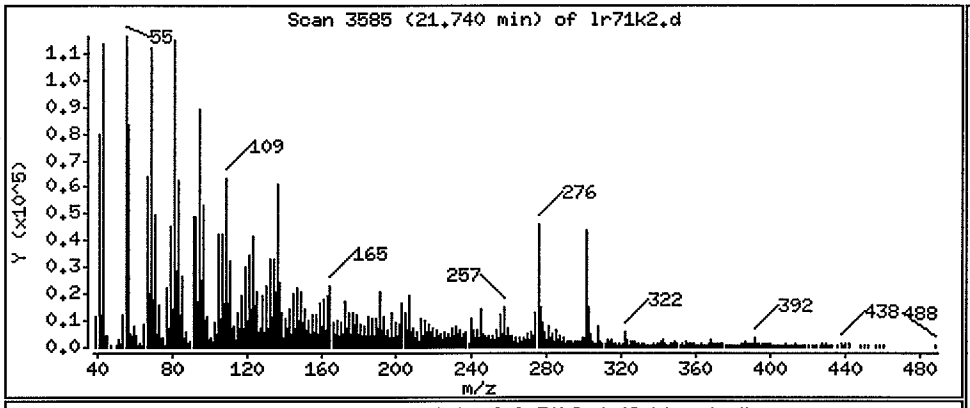
Operator: VTS

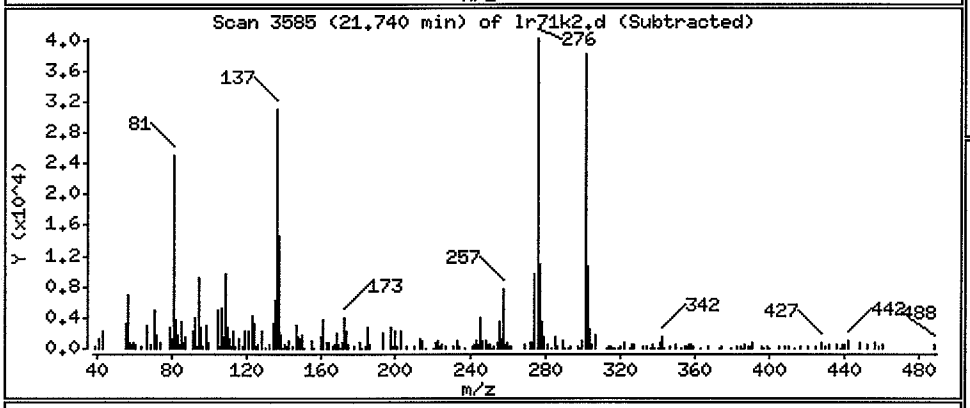
Column phase: ZB-5

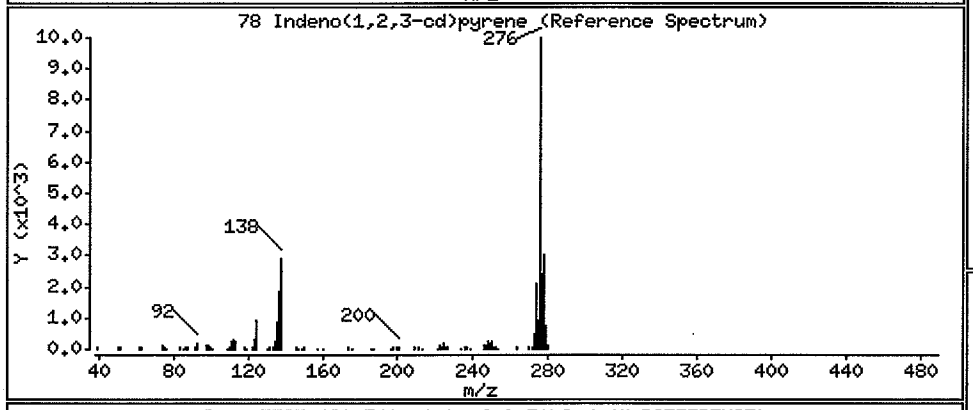
Column diameter: 0.32

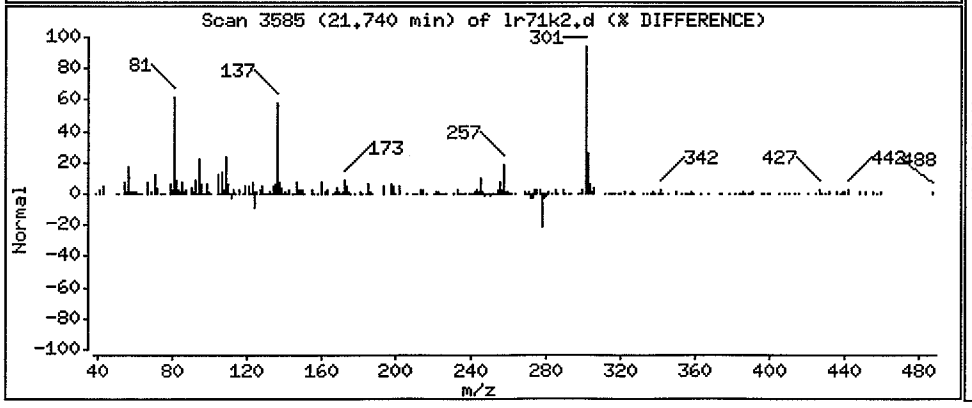
78 Indeno(1,2,3-cd)pyrene

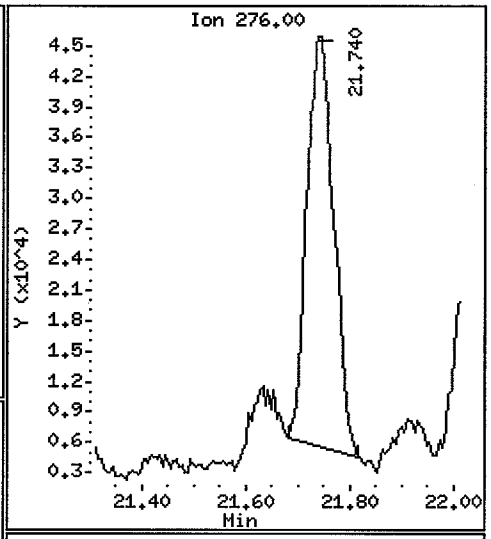
Concentration: 105.7 ug/Kg

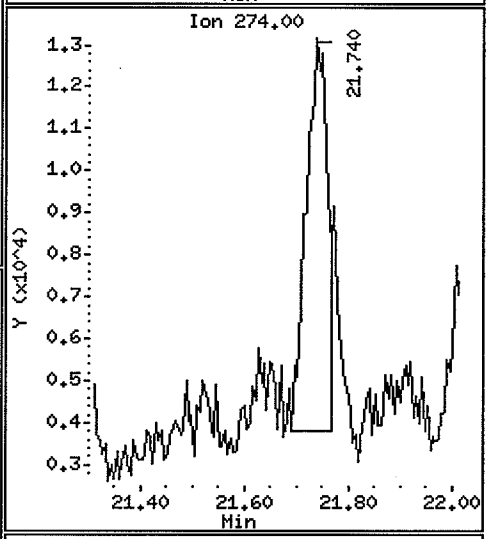


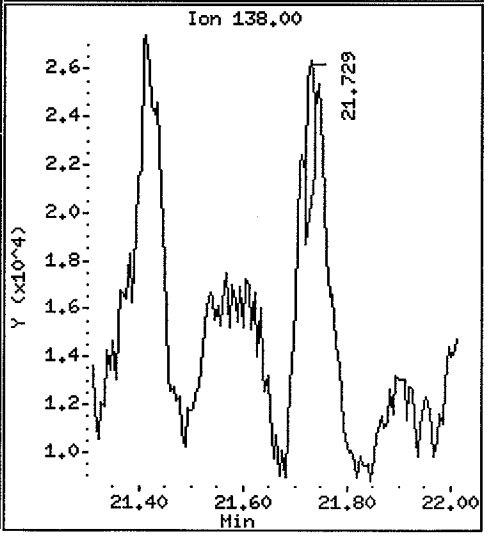












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

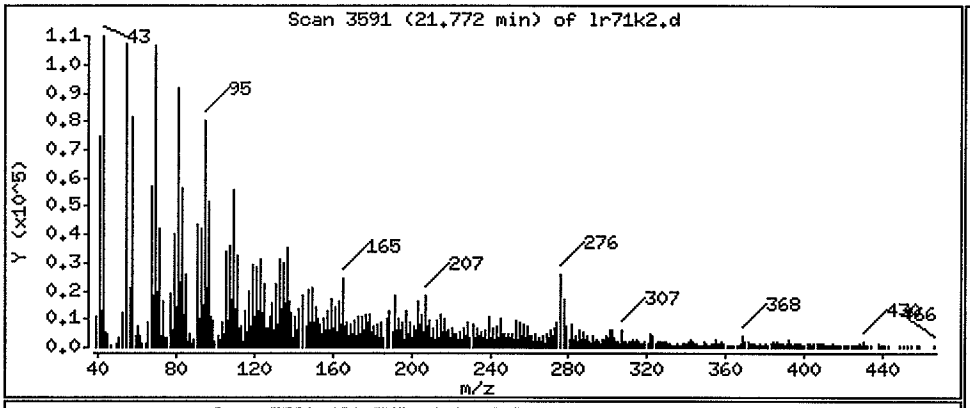
Operator: VTS

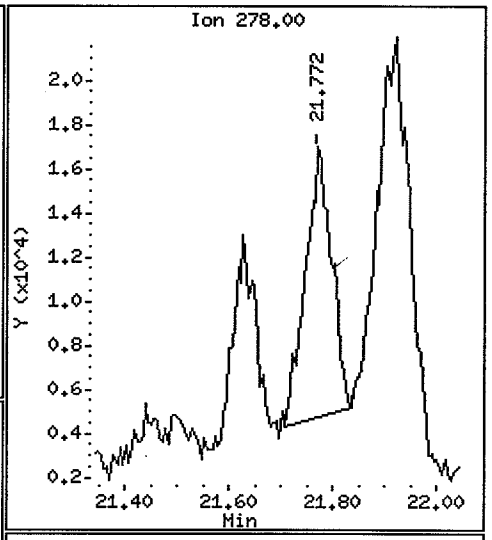
Column phase: ZB-5

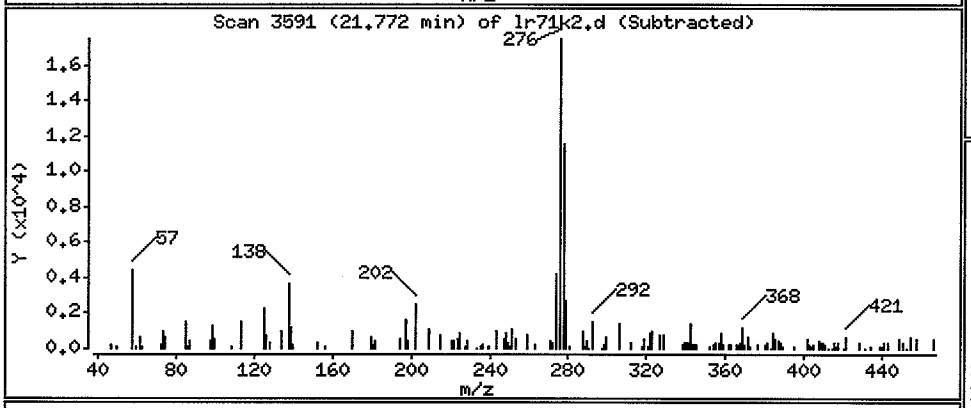
Column diameter: 0.32

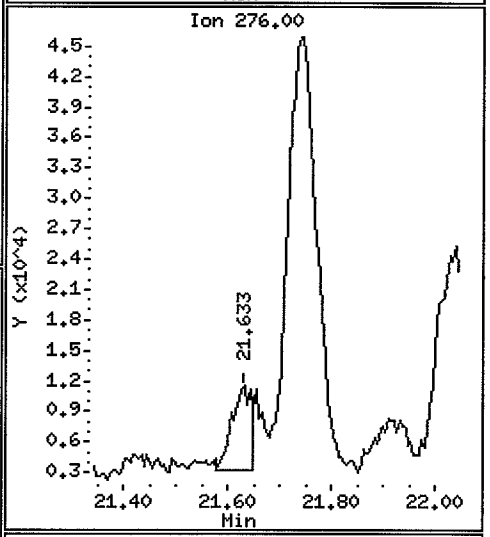
79 Dibenzo(a,h)anthracene

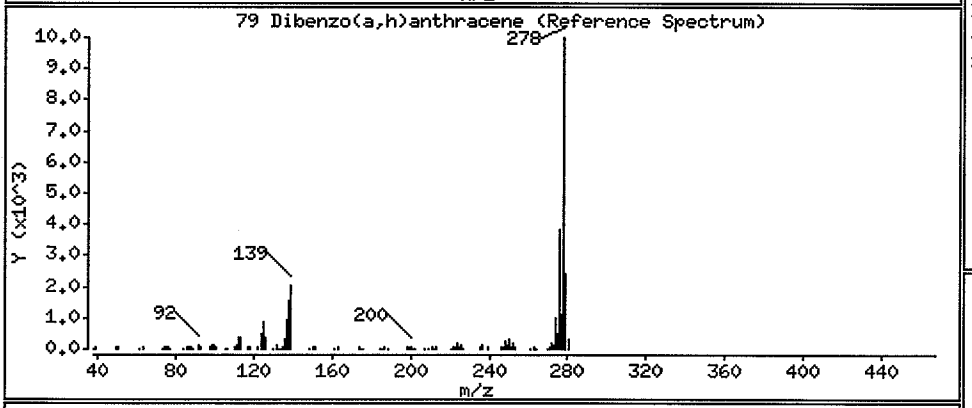
Concentration: 37.63 ug/Kg

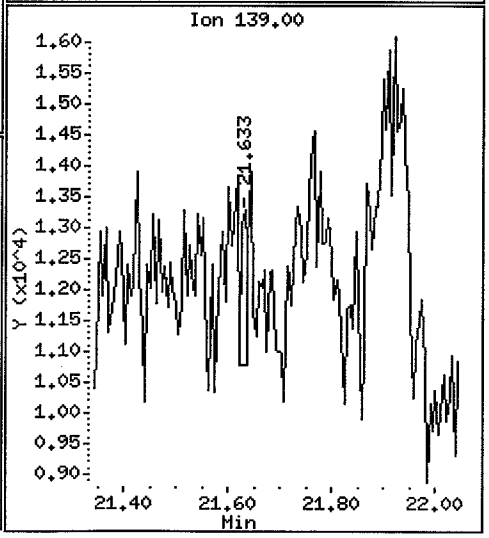


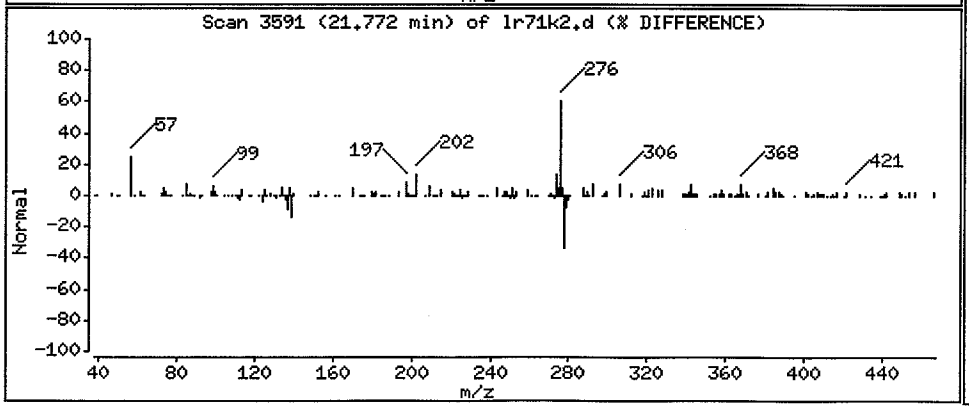












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

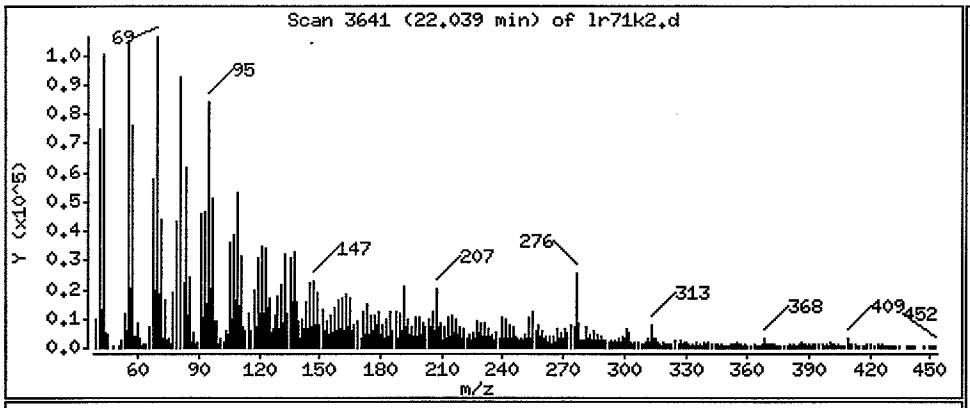
Operator: VTS

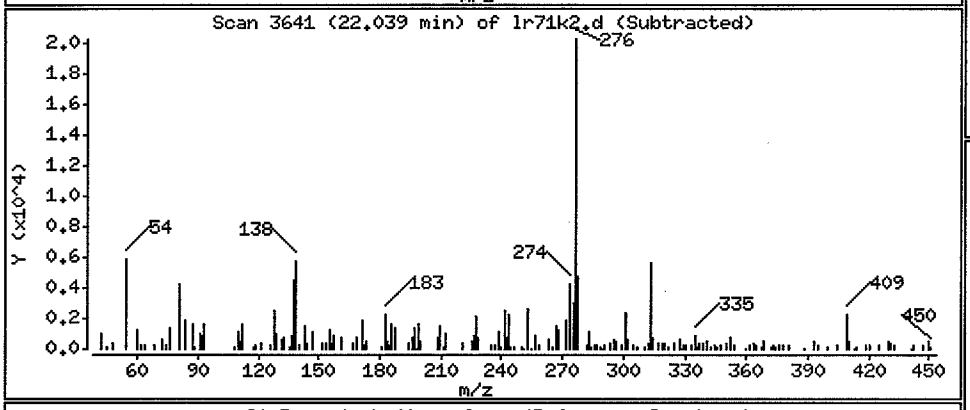
Column phase: ZB-5

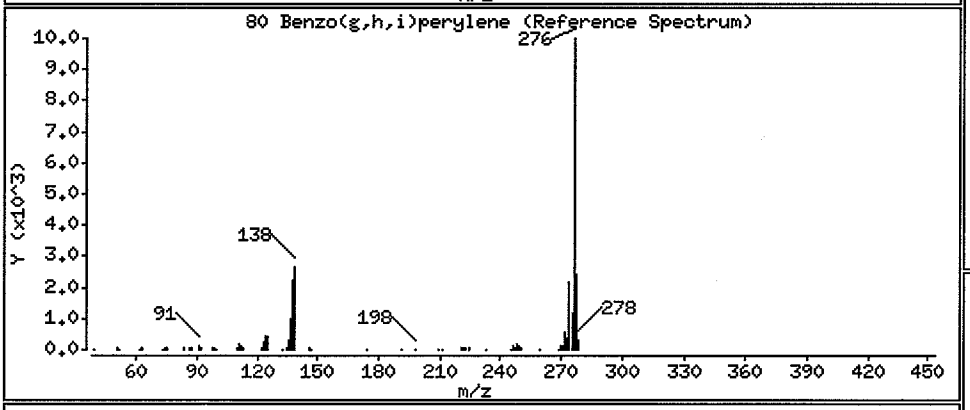
Column diameter: 0.32

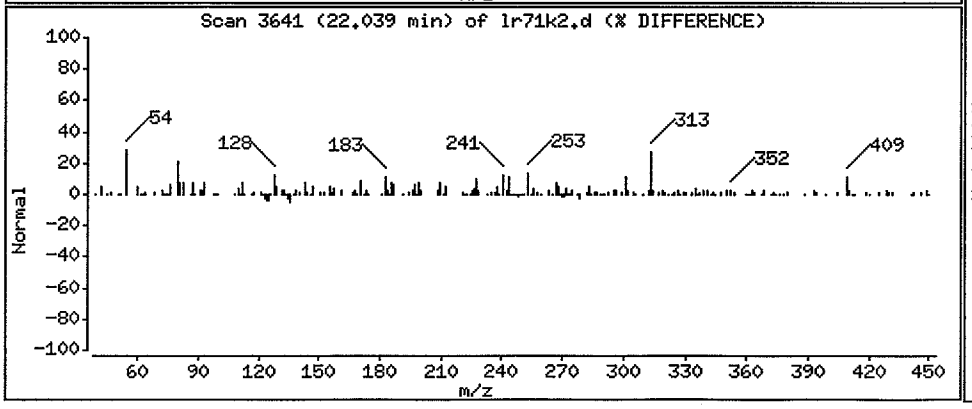
80 Benzo(g,h,i)perylene

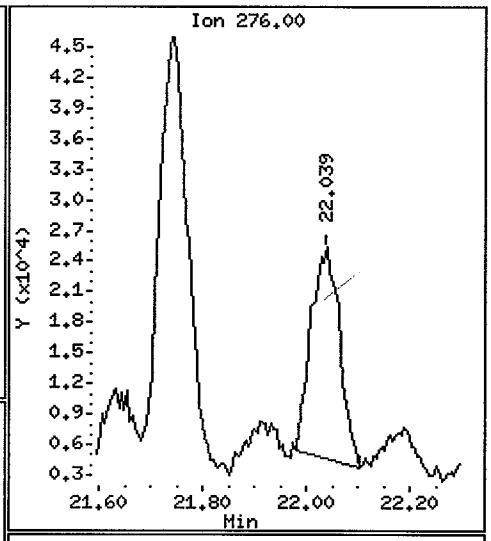
Concentration: 63.25 ug/Kg

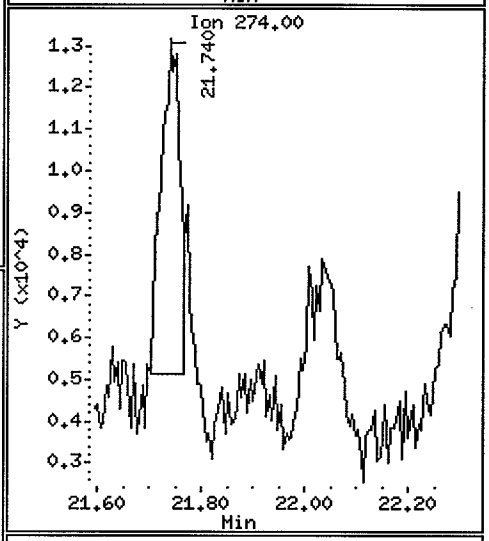


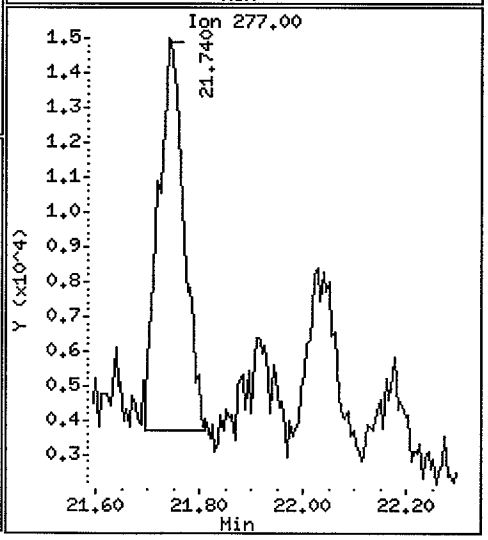












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

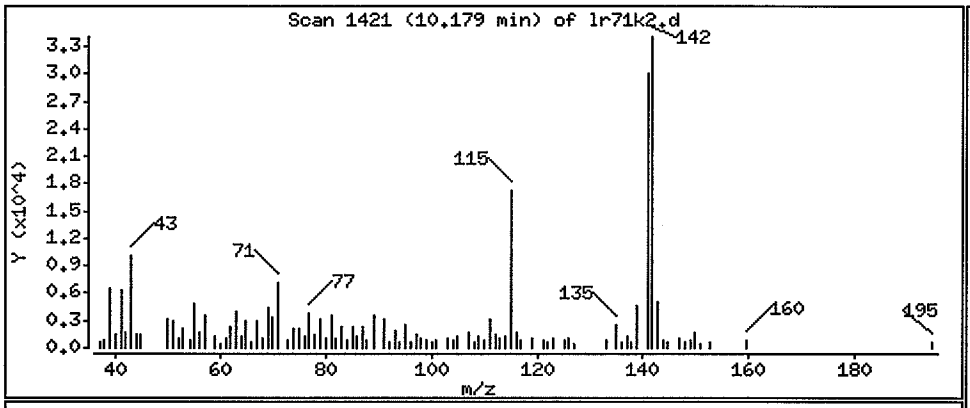
Operator: VTS

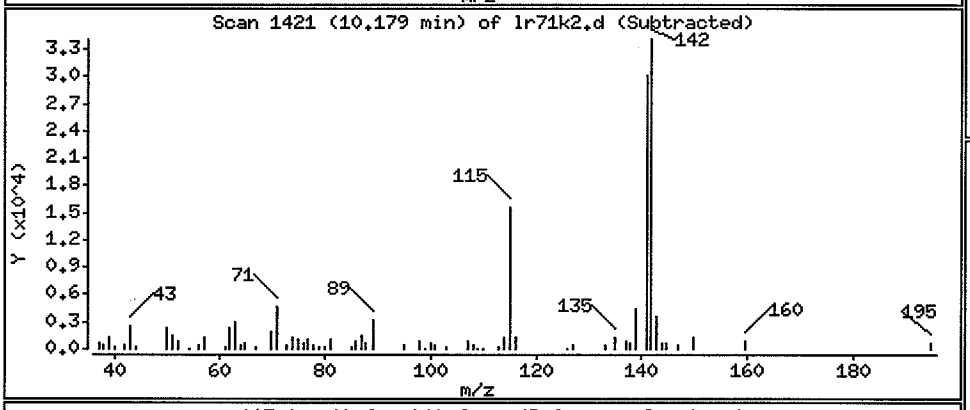
Column phase: ZB-5

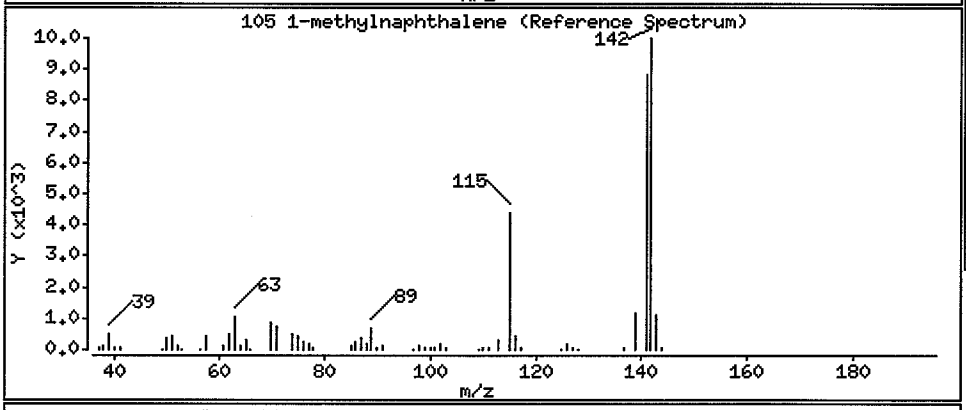
Column diameter: 0.32

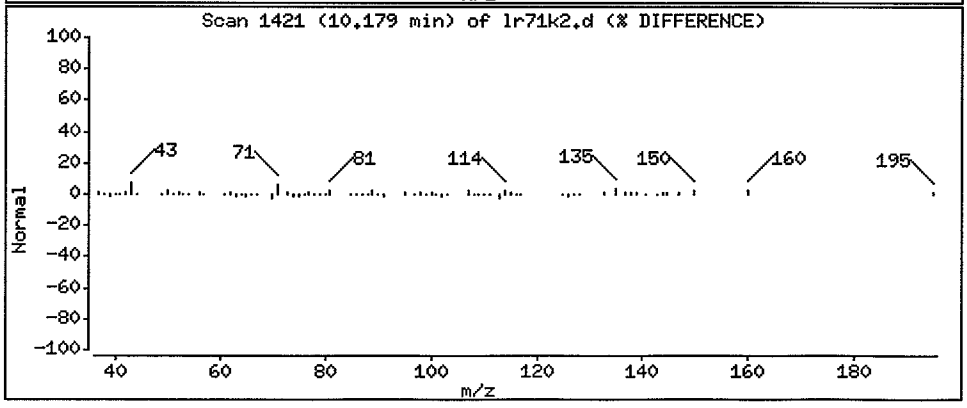
105 1-methylnaphthalene

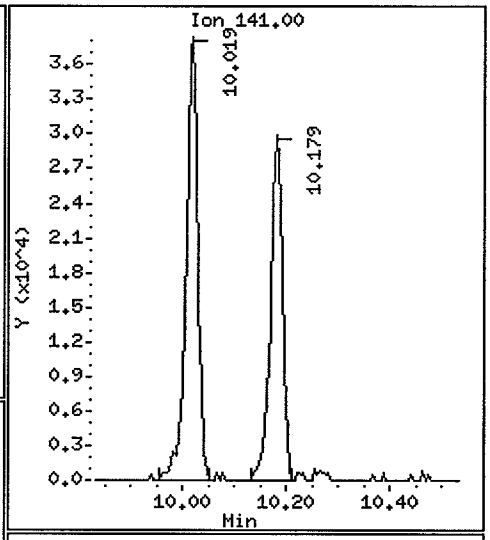
Concentration: 52.84 ug/Kg

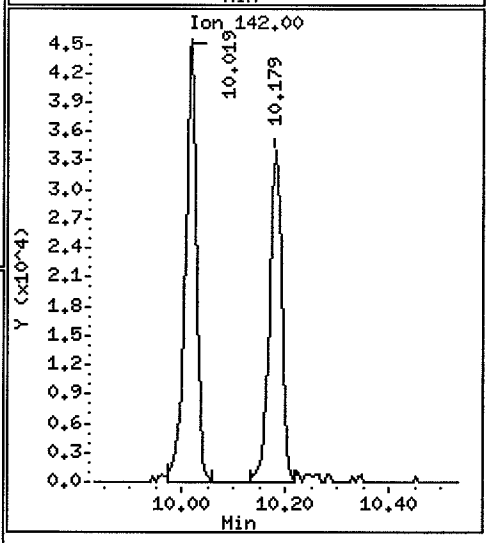




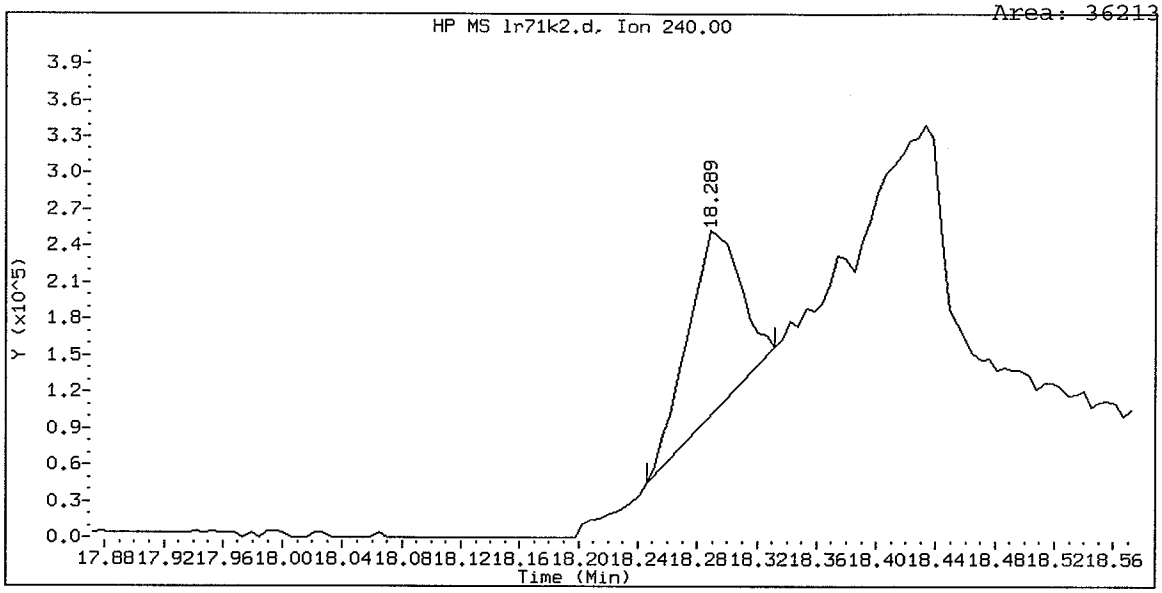


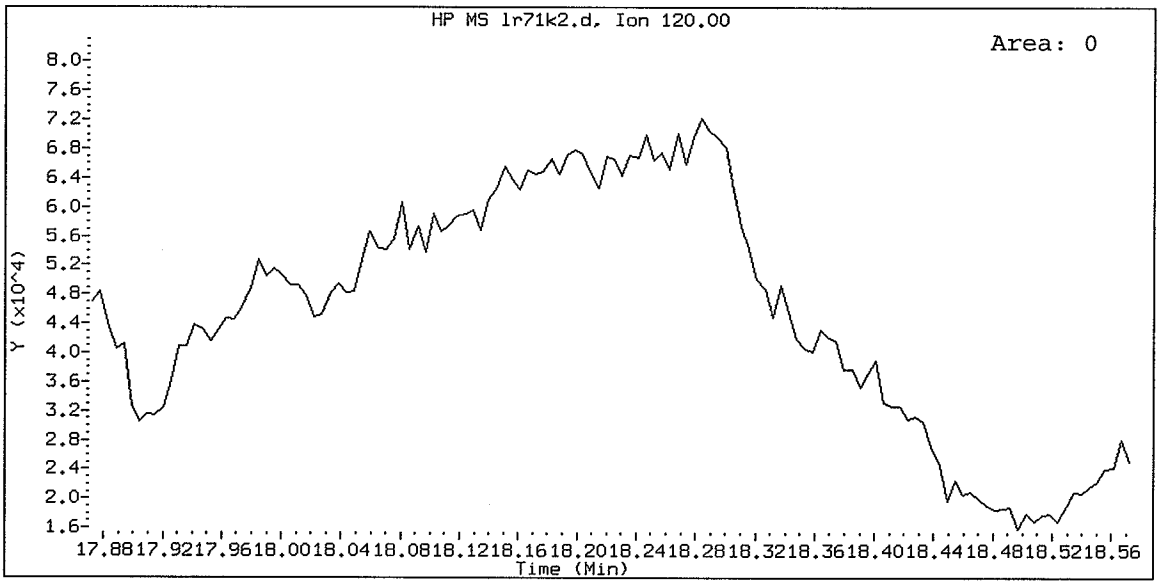


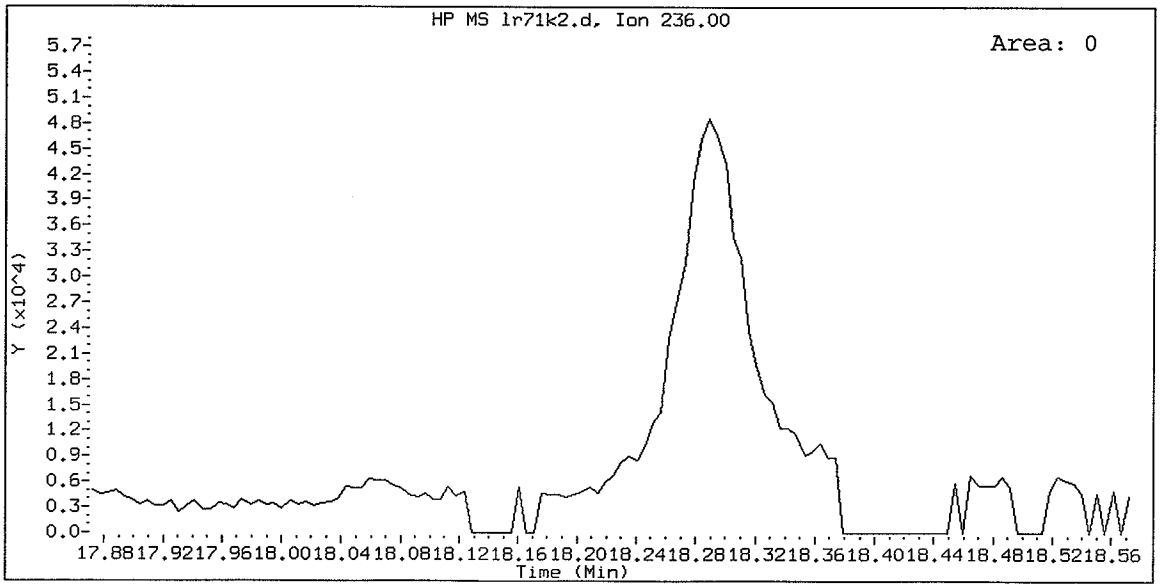




LR71KRE, /chem3/nt4.i/20071101.b/lr71k2.d
Chrysene-d12 Amount: 20.00







Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

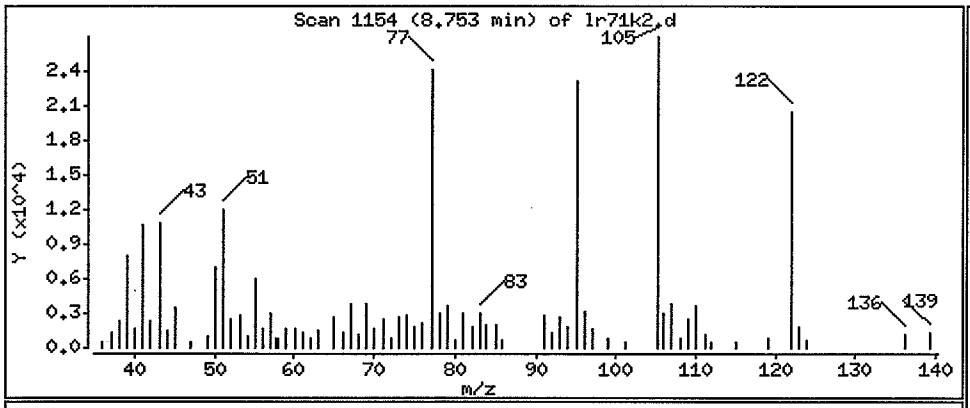
Operator: VTS

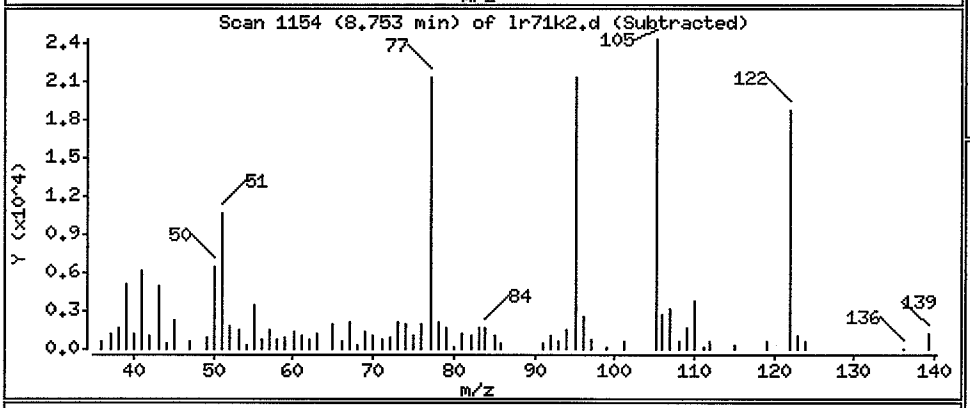
Column phase: ZB-5

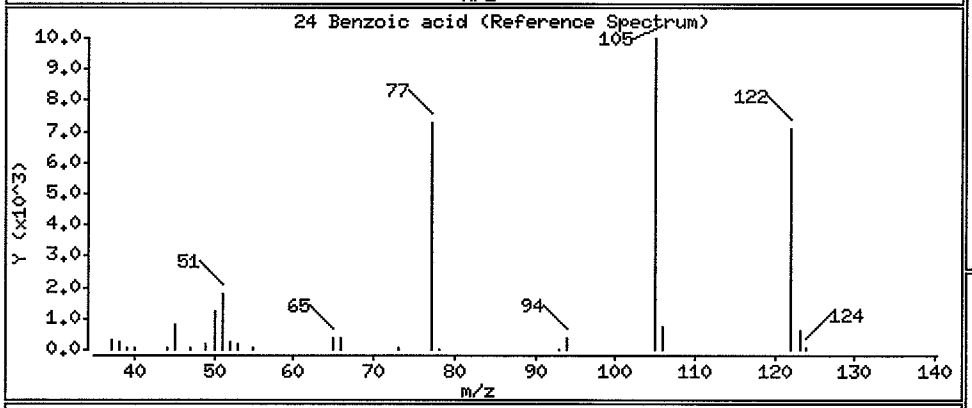
Column diameter: 0.32

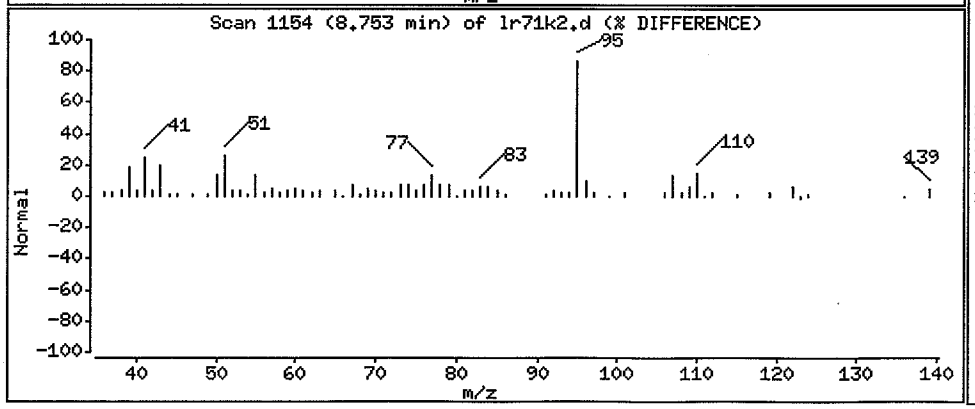
24 Benzoic acid

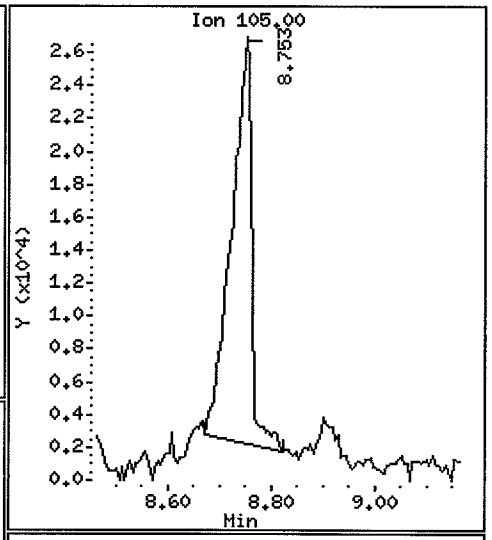
Concentration: 142.9 ug/Kg

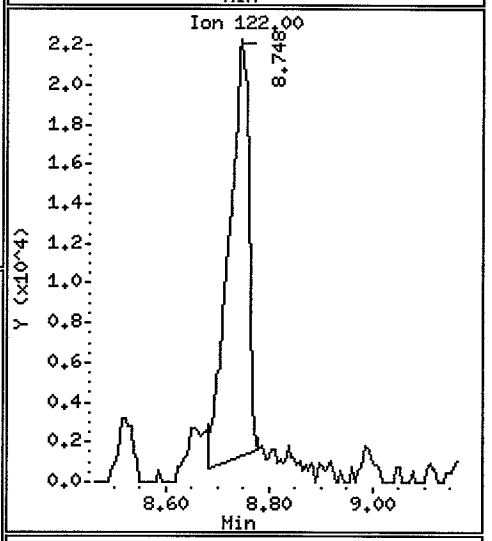


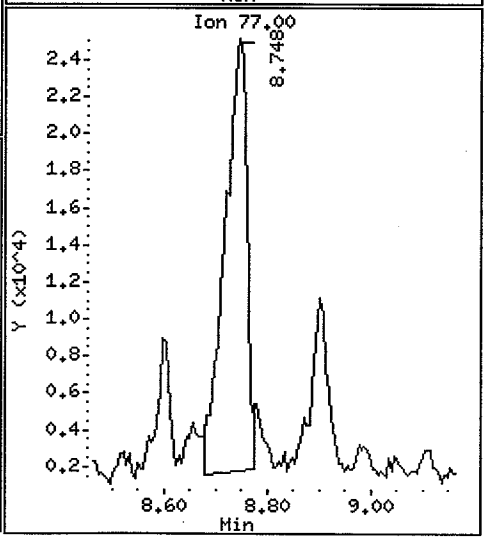












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

Operator: VTS

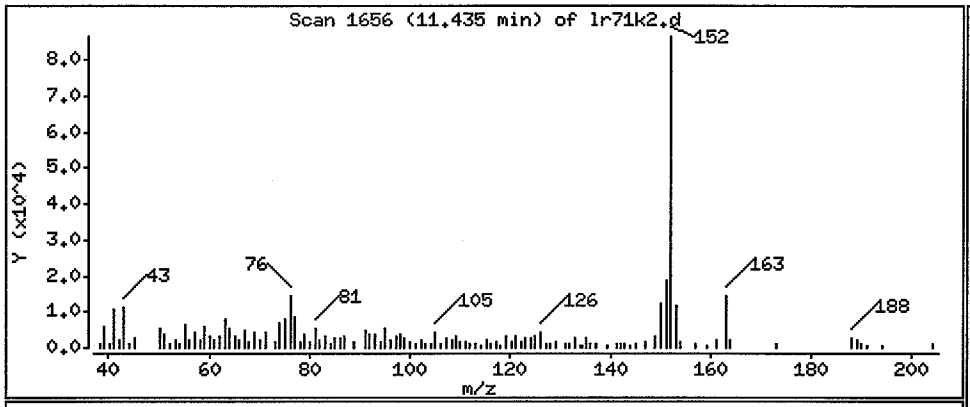
Column phase: ZB-5

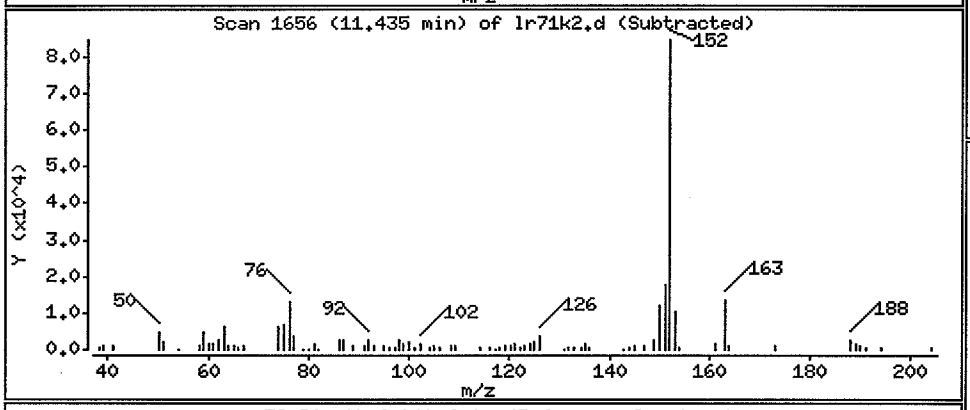
Column diameter: 0.32

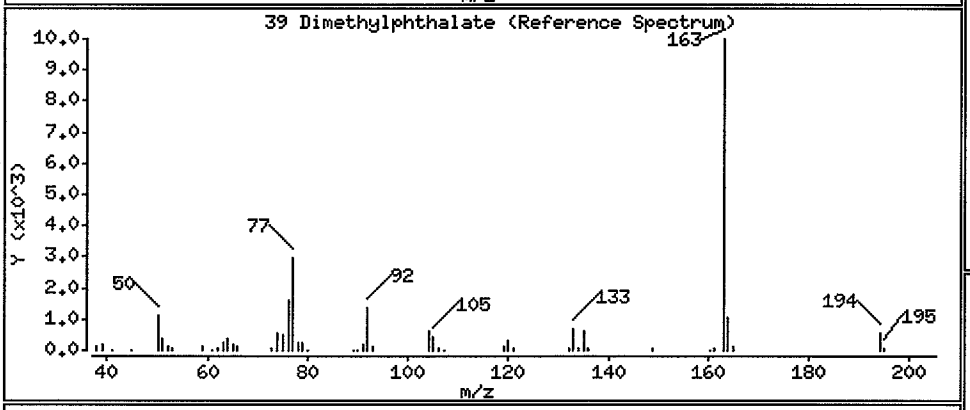
39 Dimethylphthalate

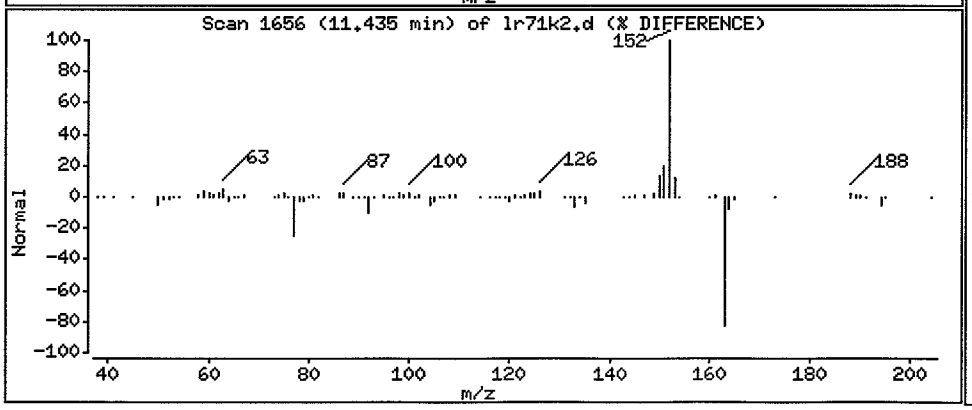
Concentration: 16.90 ug/Kg

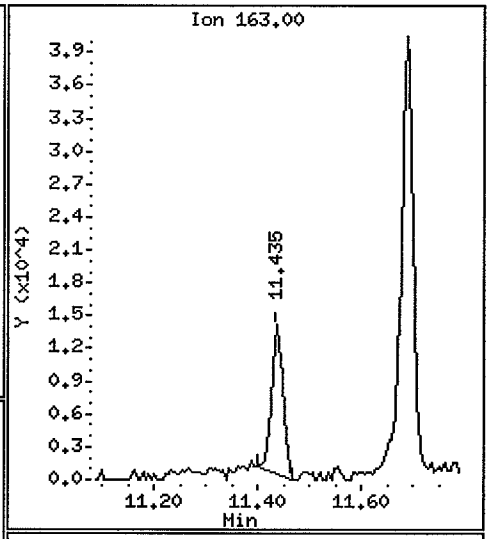
CRL

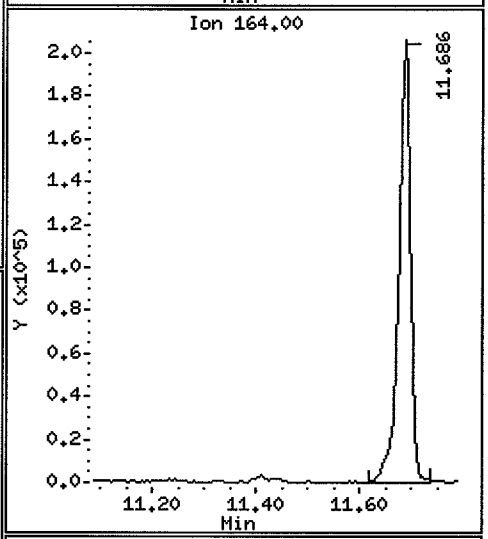


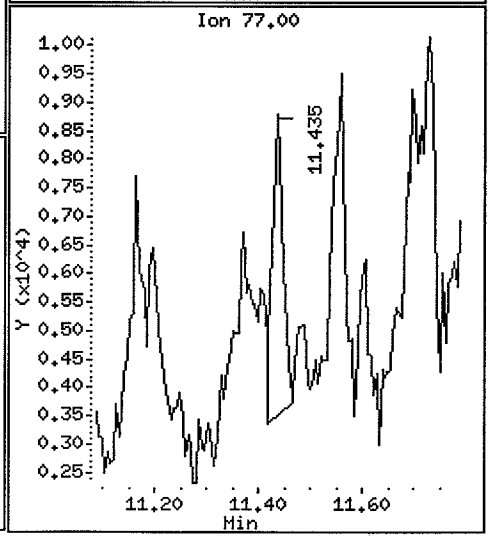












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

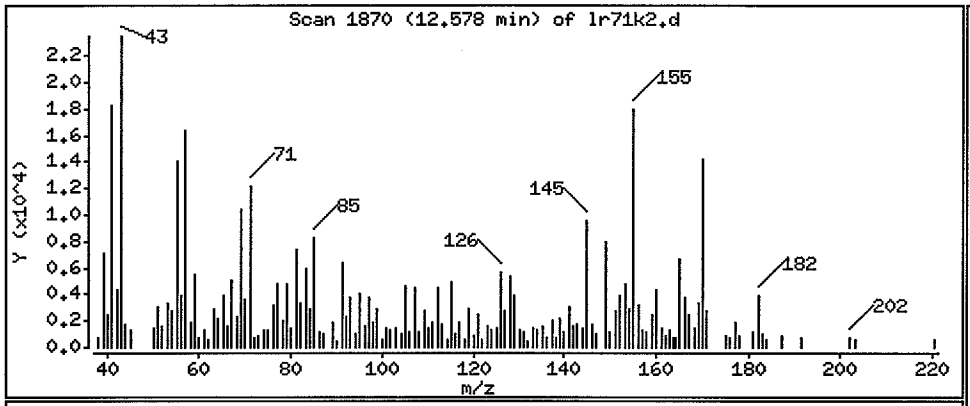
Operator: VTS

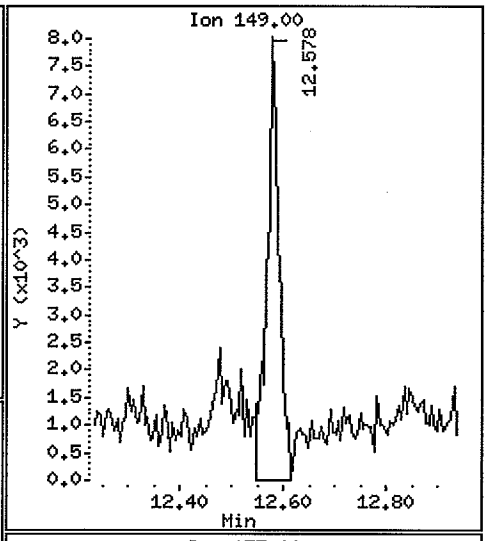
Column phase: ZB-5

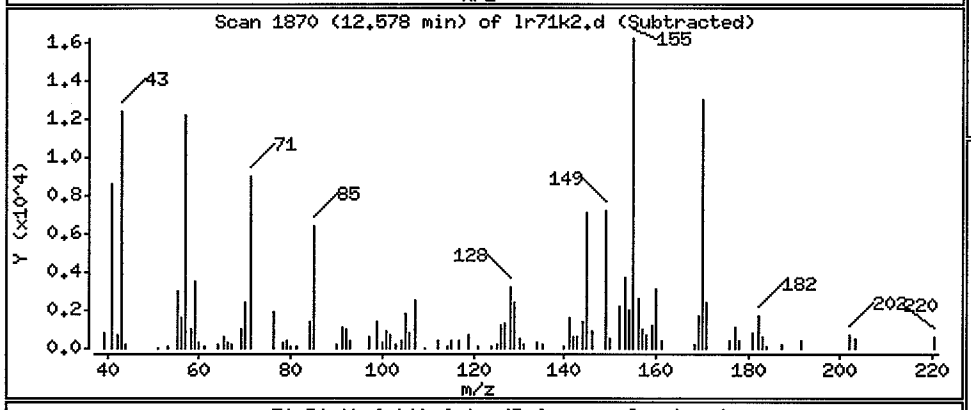
Column diameter: 0.32

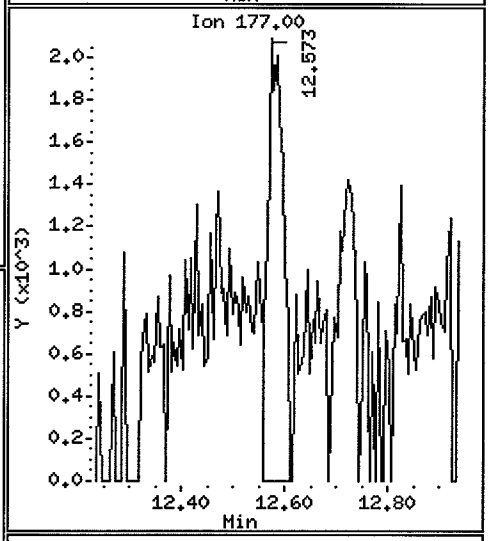
50 Diethylphthalate

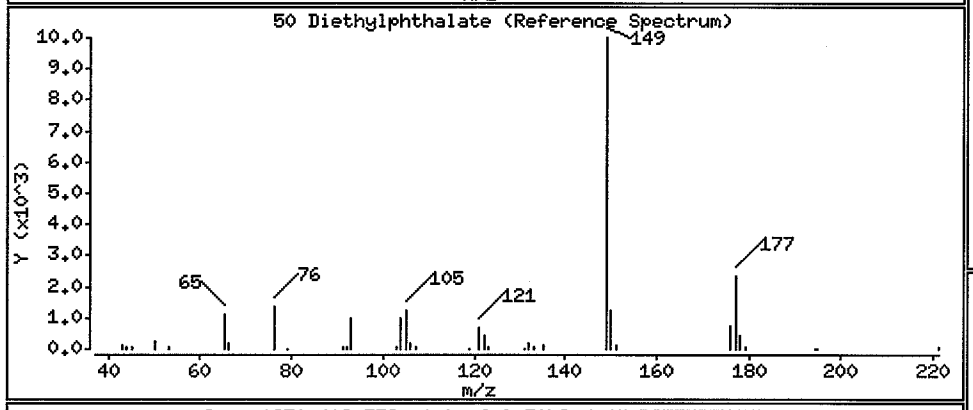
Concentration: 11.20 ug/Kg

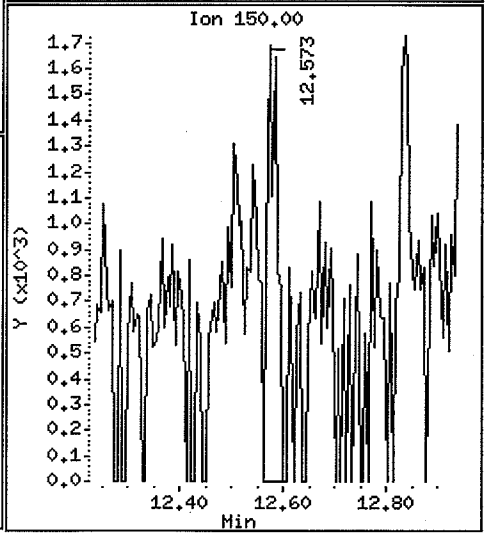


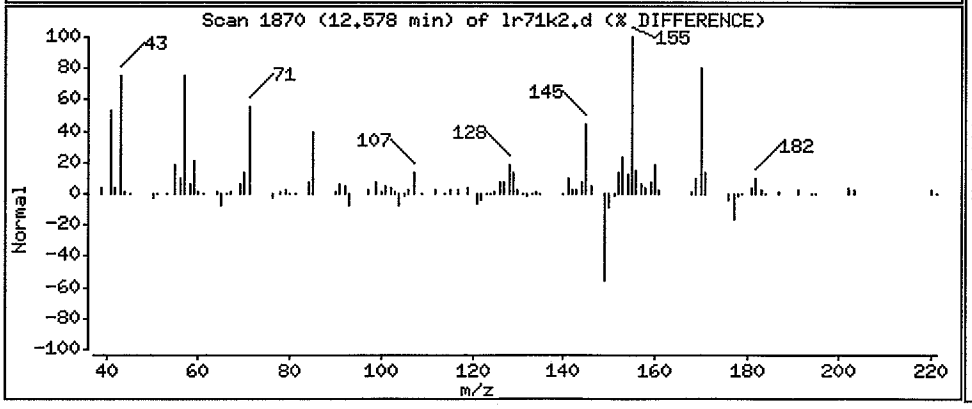












Data File: /chem3/nt4.i/20071101.b/lr71k2.d

Date : 01-NOV-2007 22:23

Client ID:

Instrument: nt4.i

Sample Info: LR71KRE

Volume Injected (uL): 1.0

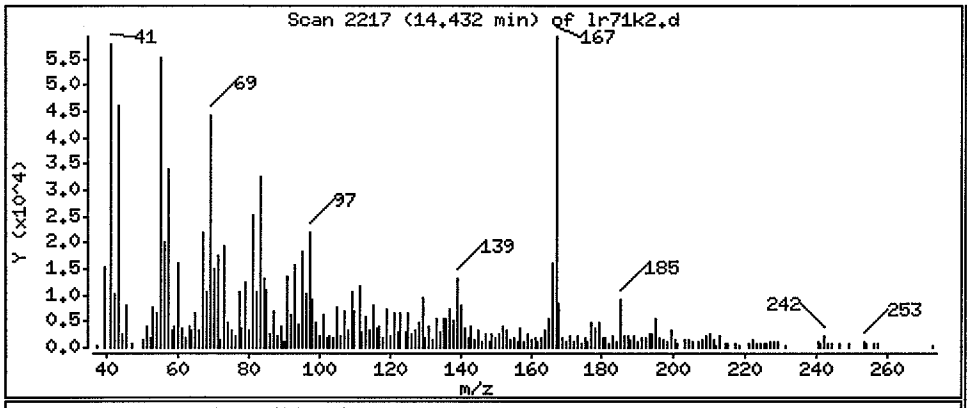
Operator: VTS

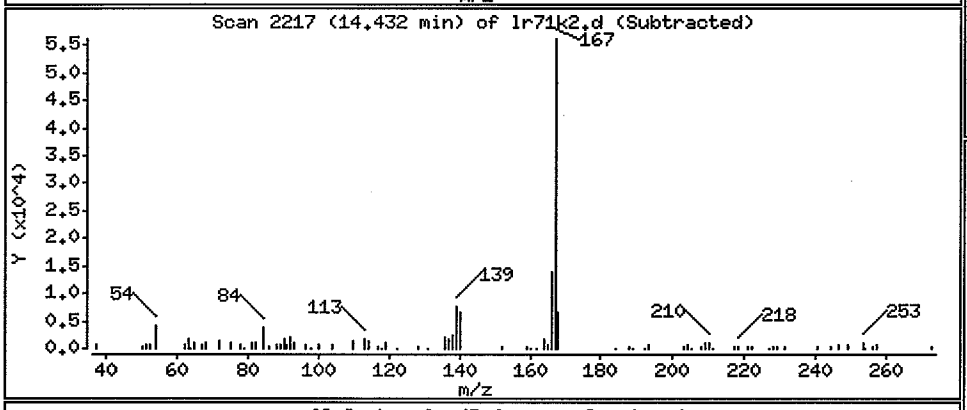
Column phase: ZB-5

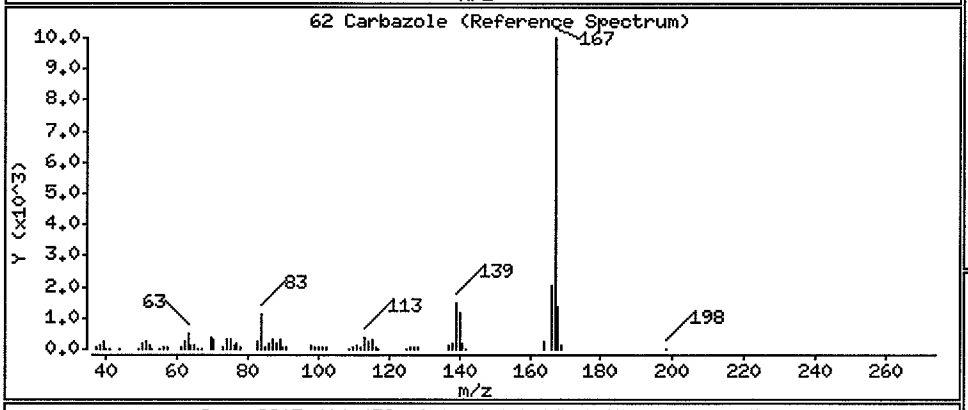
Column diameter: 0.32

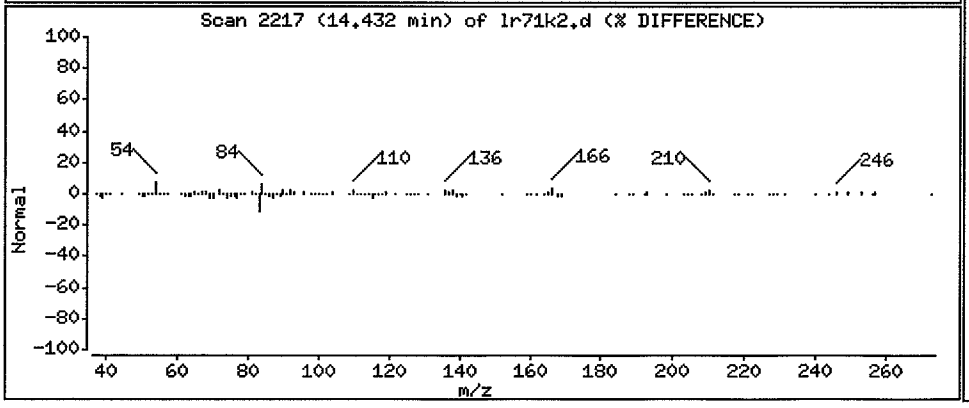
62 Carbazole

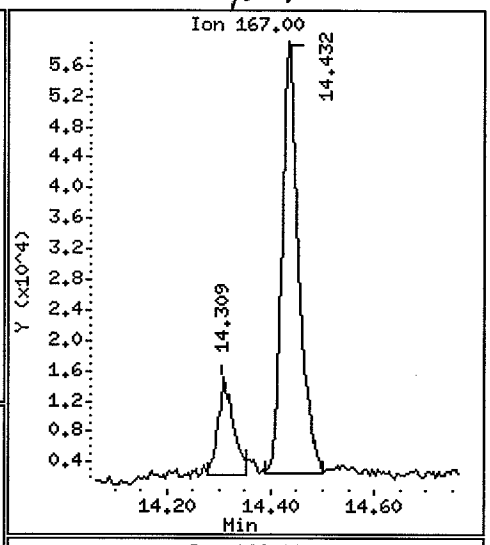
Concentration: 81.75 ug/Kg

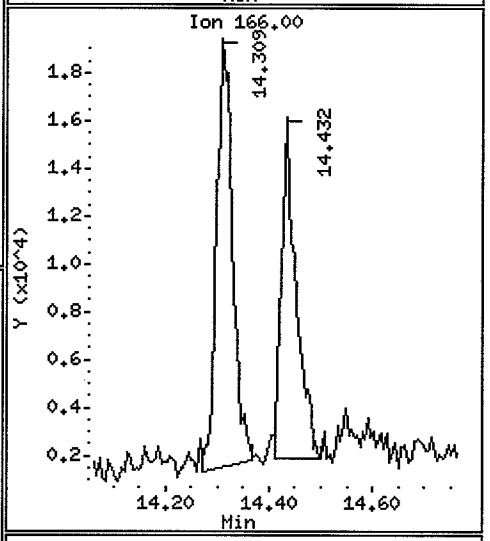


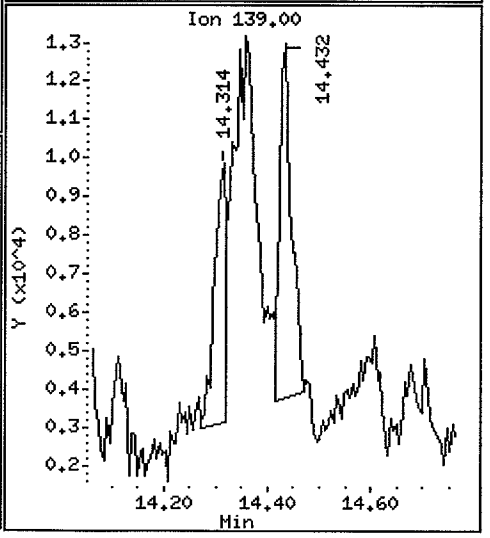












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-09
SAMPLE

Lab Sample ID: LR71L
LIMS ID: 07-20777
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

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

Date Extracted: 10/10/07
Date Analyzed: 10/18/07 21:25
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.1 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 34.1%

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	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	**Naphthalene**	**20**	**22**
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	**2-Methylnaphthalene**	**20**	**66**
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**	**28**
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	**Fluorene**	**20**	**24**
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	**Phenanthrene**	**20**	**98**
120-12-7	**Anthracene**	**20**	**35**
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**460**
129-00-0	**Pyrene**	**20**	**300**
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	**Benzo(a)anthracene**	**20**	**100**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**220**
218-01-9	**Chrysene**	**20**	**270**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**190**
207-08-9	**Benzo(k)fluoranthene**	**20**	**120**
50-32-8	**Benzo(a)pyrene**	**20**	**83**
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-09
SAMPLE

Lab Sample ID: LR71L
LIMS ID: 07-20777
Matrix: Sediment
Date Analyzed: 10/18/07 21:25

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

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	42

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	50.0%	2-Fluorobiphenyl	49.6%
d14-p-Terphenyl	60.4%	d4-1,2-Dichlorobenzene	45.2%
d5-Phenol	53.1%	2-Fluorophenol	60.8%
2,4,6-Tribromophenol	65.1%	d4-2-Chlorophenol	53.9%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071018.b/lr71l.d
Lab Smp Id: LR71L Client Smp ID: AN-SS-09
Inj Date : 18-OCT-2007 21:25
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71L
Misc Info : 07-20777
Comment : 1ul Injection
Method : /chem1/nt6.i/20071018.b/SW846.m
Meth Date : 25-Oct-2007 16:26 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

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	76.00000	Weight of sample extracted (g)
M	34.10000	% 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	5.965	5.917	(0.754)	326595	22.8001	455.2
$	2 Phenol-d5	99	7.509	7.488	(0.949)	363822	19.6827	397.0
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	7.610	7.600	(0.962)	246223	20.2033	403.4
	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	7.910	7.904	(1.000)	194381	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	8.214	8.204	(1.038)	103636	11.3399	226.4
	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	(1.098)	7419	0.54350 LDL	10.85
$	18 Nitrobenzene-d5	82	8.850	8.845	(0.887)	250826	12.4644	248.9
	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	9.972	9.961	(1.000)	626323	20.0000	
	28 Naphthalene	128	10.004	9.999	(1.003)	41585	1.07213	21.51
	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	11.136	11.126	(1.117)	64340	3.31674	66.22
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	11.788	11.777	(0.917)	383516	12.3614	246.8
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	12.600	12.584	(0.980)	29311	0.71734 LDL	14.32
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.851	12.841	(1.000)	398480	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.904	12.894	(1.004)	25048	0.97127 LDL	19.39
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	13.166	13.156	(1.025)	50074	1.38594	27.67
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	13.722	13.711	(1.068)	34180	1.19773	23.91
	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	14.155	14.139	(1.101)	94448	24.4298	487.8
	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)	717880	20.0000	
	60 Phenanthrene	178	15.271	15.261	(1.002)	226953	4.92737	98.38
	61 Anthracene	178	15.346	15.335	(1.007)	80428	1.74391	34.82
	62 Carbazole	167	15.640	15.624	(1.026)	36206	0.88256 LDL	17.62 (M)
	63 Di-n-butylphthalate	149	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	64 Fluoranthene	202	17.226	17.205	(1.130)	1200697	22.7955	455.1
	65 Pyrene	202	17.584	17.563	(0.898)	934553	15.1540	302.6
$	66 Terphenyl-d14	244	17.905	17.884	(0.914)	584103	15.1318	302.1
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	19.561	19.529	(0.999)	341054	5.06934	101.2
*	69 Chrysene-d12	240	19.587	19.556	(1.000)	858666	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	19.625	19.598	(1.002)	820513	13.5714	271.0
	72 bis(2-Ethylhexyl)phthalate	149	19.769	19.785	(0.953)	406807	10.7538	214.7(H)
*	134 Di-n-octylphthalate-d4	153	20.752	20.720	(1.000)	1251061	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	21.233	21.190	(0.976)	373547	9.72909	194.3
	75 Benzo(k)fluoranthene	252	21.254	21.228	(0.977)	237776	5.85430	116.9(M)
	76 Benzo(a)pyrene	252	21.676	21.639	(0.996)	145789	4.13635	82.59
*	77 Perylene-d12	264	21.756	21.719	(1.000)	534676	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	23.252	23.215	(1.069)	39919	0.95500	19.07
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	23.653	23.616	(1.087)	27055	0.64725	12.92
	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	11.307	11.297	(1.134)	41204	2.12997	42.53
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.