

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037424.D
 Acq On : 18 Oct 2018 17:58
 Operator : JU/SJ
 Sample : J5164-01
 Misc : LOD 5 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Quant Time: Oct 19 06:58:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	49244	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	233457	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	154222	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	384995	20.00	ng	0.00
76) Chrysene-d12	21.77	240	362068	20.00	ng	0.00
87) Perylene-d12	25.11	264	366074	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.65	112	419780	142.52	ng	0.00
7) Phenol-d6	7.24	99	611802	137.36	ng	0.00
23) Nitrobenzene-d5	9.28	82	345697	82.95	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	240411	142.92	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	838482	81.98	ng	0.00
79) Terphenyl-d14	20.09	244	1337937	78.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.54	88	6672	4.467	ng	# 81
3) Pyridine	3.95	79	17974	4.774	ng	90
4) n-Nitrosodimethylamine	3.87	42	7782	5.803	ng	# 96
6) Aniline	7.43	93	18307	3.369	ng	# 87
8) 2-Chlorophenol	7.67	128	17693	5.135	ng	95
9) Benzaldehyde	7.25	77	13170	4.727	ng	94
10) Phenol	7.27	94	25068	5.334	ng	86
11) bis(2-Chloroethyl)ether	7.53	93	18729	5.247	ng	90
12) 1,3-Dichlorobenzene	8.00	146	19332	5.040	ng	97
13) 1,4-Dichlorobenzene	8.14	146	18963	4.833	ng	99
14) 1,2-Dichlorobenzene	8.47	146	19358	5.128	ng	97
15) Benzyl Alcohol	8.35	79	15290	4.646	ng	86
16) 2,2'-oxybis(1-Chloropropan	8.63	45	33695	5.276	ng	97
17) 2-Methylphenol	8.54	107	16059	5.169	ng	90
18) Hexachloroethane	9.19	117	7061	5.278	ng	91
19) n-Nitroso-di-n-propylamine	8.91	70	14088	4.593	ng	93
20) 3+4-Methylphenols	8.87	107	22120	4.980	ng	93
22) Acetophenone	8.94	105	29145	4.978	ng	# 98
24) Nitrobenzene	9.33	77	22599	5.220	ng	# 94
25) Isophorone	9.84	82	40946	5.377	ng	98
26) 2-Nitrophenol	10.03	139	7852	4.026	ng	91
27) 2,4-Dimethylphenol	10.08	122	19768	5.677	ng	93
28) bis(2-Chloroethoxy)methane	10.33	93	25446	5.100	ng	97
29) 2,4-Dichlorophenol	10.56	162	17710	4.568	ng	96
30) 1,2,4-Trichlorobenzene	10.79	180	20552	4.874	ng	96
31) Naphthalene	10.98	128	62924	5.487	ng	97
32) Benzoic acid	10.12	122	2523	1.115	ng	84
33) 4-Chloroaniline	11.09	127	17495	3.247	ng	95
34) Hexachlorobutadiene	11.25	225	11707	4.685	ng	# 90
35) Caprolactam	11.84	113	6685	4.299	ng	# 76
36) 4-Chloro-3-methylphenol	12.19	107	19667	4.498	ng	95
37) 2-Methylnaphthalene	12.58	142	47035	5.627	ng	98
38) 1-Methylnaphthalene	12.79	142	44982	5.541	ng	93
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	24118	4.848	ng	98

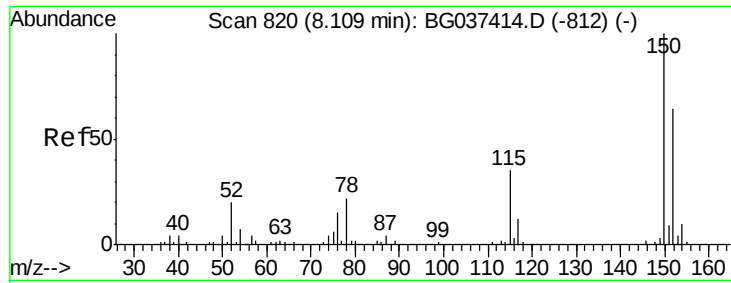
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037424.D
 Acq On : 18 Oct 2018 17:58
 Operator : JU/SJ
 Sample : J5164-01
 Misc : LOD 5 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Quant Time: Oct 19 06:58:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.90	237	11421	4.806	ng	97
43) 2,4,6-Trichlorophenol	13.17	196	14829	4.462	ng	92
44) 2,4,5-Trichlorophenol	13.24	196	17146	4.739	ng	98
46) 1,1'-Biphenyl	13.58	154	62459	4.890	ng	95
47) 2-Chloronaphthalene	13.62	162	50847	5.262	ng	92
48) 2-Nitroaniline	13.83	65	12652	4.318	ng	92
49) Acenaphthylene	14.46	152	79295	5.455	ng	97
50) Dimethylphthalate	14.19	163	64851	5.436	ng	99
51) 2,6-Dinitrotoluene	14.32	165	11702	4.434	ng	98
52) Acenaphthene	14.81	154	47822	5.342	ng	96
53) 3-Nitroaniline	14.65	138	11182	3.816	ng	# 93
54) 2,4-Dinitrophenol	14.85	184	550	7.020	ng	# 42
55) Dibenzofuran	15.13	168	82214	5.543	ng	99
56) 4-Nitrophenol	14.93	139	6918	3.190	ng	84
57) 2,4-Dinitrotoluene	15.09	165	15594	4.501	ng	93
58) Fluorene	15.79	166	64118	5.773	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.35	232	15194	4.904	ng	# 98
60) Diethylphthalate	15.54	149	64779	5.289	ng	98
61) 4-Chlorophenyl-phenylether	15.78	204	33623	5.194	ng	93
62) 4-Nitroaniline	15.80	138	12712	4.366	ng	85
63) Azobenzene	16.07	77	62578	5.355	ng	98
65) 4,6-Dinitro-2-methylphenol	15.85	198	2595	9.564	ng	95
66) n-Nitrosodiphenylamine	15.99	169	57465	4.962	ng	95
67) 4-Bromophenyl-phenylether	16.67	248	19668	4.652	ng	97
68) Hexachlorobenzene	16.77	284	21860	4.989	ng	93
69) Atrazine	16.93	200	19534	4.665	ng	95
70) Pentachlorophenol	17.12	266	5729	1.952	ng	90
71) Phenanthrene	17.53	178	110003	5.622	ng	98
72) Anthracene	17.62	178	109596	5.708	ng	98
73) Carbazole	17.89	167	96297	5.013	ng	99
74) Di-n-butylphthalate	18.43	149	108090	5.059	ng	96
75) Fluoranthene	19.53	202	125814	5.669	ng	99
77) Benzidine	19.72	184	13480	1.095	ng	98
78) Pyrene	19.89	202	127579	5.390	ng	99
80) Butylbenzylphthalate	20.77	149	43393	4.480	ng	97
81) Benzo(a)anthracene	21.75	228	118638	5.540	ng	98
82) 3,3'-Dichlorobenzidine	21.67	252	27234	3.281	ng	94
83) Chrysene	21.82	228	113729	5.523	ng	94
84) Bis(2-ethylhexyl)phthalate	21.63	149	59628	4.392	ng	97
85) Di-n-octyl phthalate	22.88	149	98144	4.433	ng	98
86) Indeno(1,2,3-cd)pyrene	28.92	276	96617	4.374	ng	# 79
88) Benzo(b)fluoranthene	24.04	252	108657	5.414	ng	96
89) Benzo(k)fluoranthene	24.04	252	108657	5.526	ng	98
90) Benzo(a)pyrene	24.95	252	98077	5.143	ng	98
91) Dibenzo(a,h)anthracene	28.99	278	77500	4.406	ng	98
92) Benzo(g,h,i)perylene	30.12	276	87290	4.905	ng	99

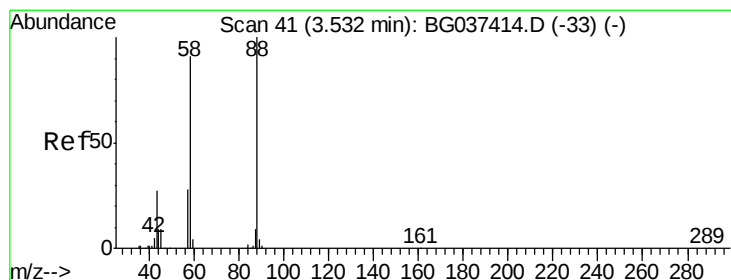
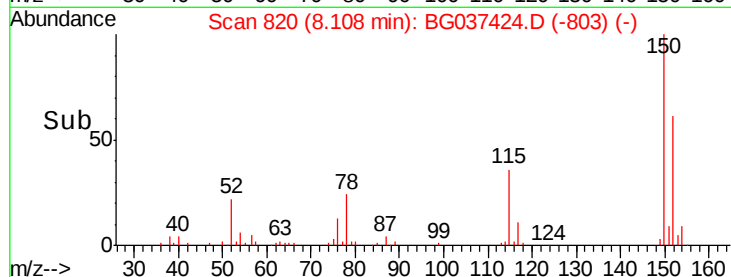
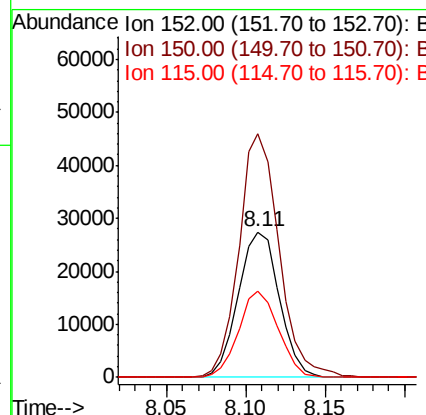
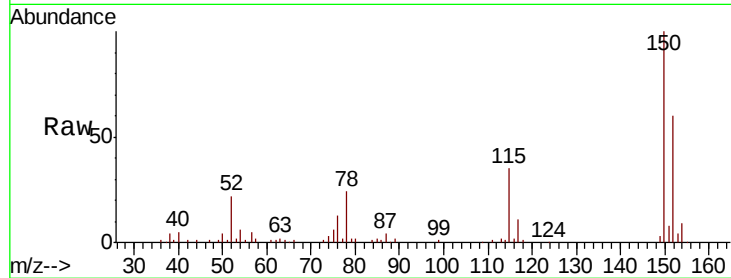
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.11 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BG037424.D
 Acq: 18 Oct 2018 17:58

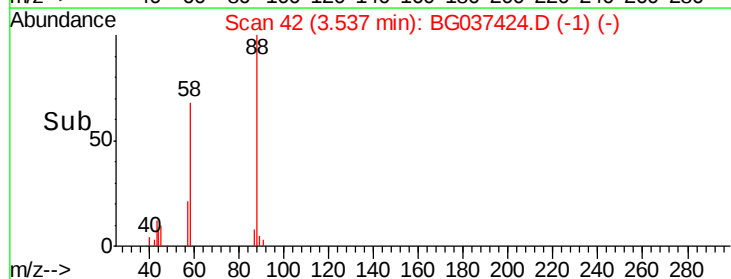
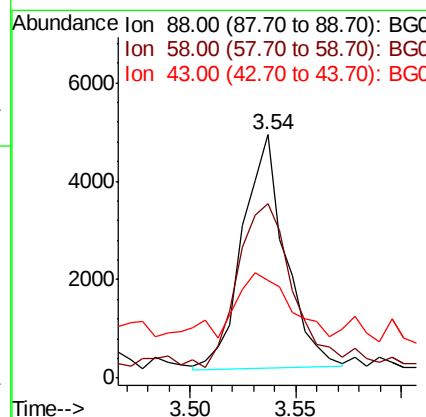
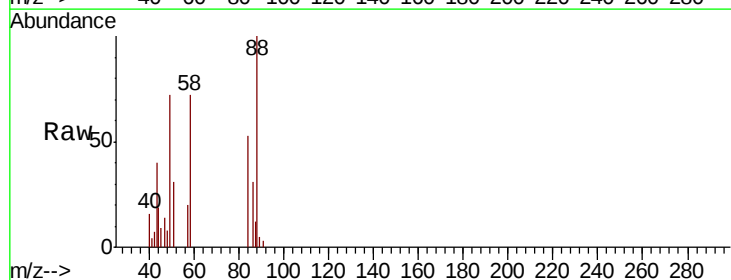
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

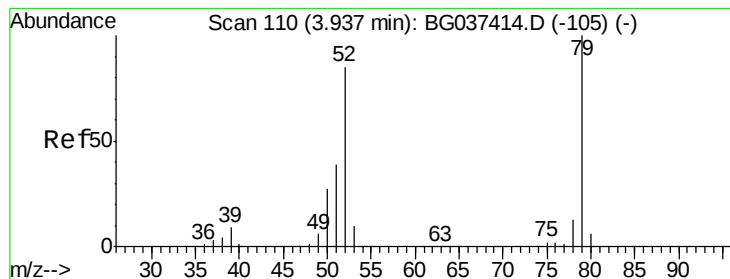
Tot Ion:152 Resp: 49244
 Ion Ratio Lower Upper
 152 100
 150 167.2 126.0 189.0
 115 59.1 45.5 68.3



#2
 1,4-Dioxane
 Concen: 4.467 ng
 RT: 3.54 min Scan# 42
 Delta R.T. 0.00 min
 Lab File: BG037424.D
 Acq: 18 Oct 2018 17:58

Tgt Ion: 88 Resp: 6672
 Ion Ratio Lower Upper
 88 100
 58 114.0 74.4 111.6#
 43 38.0 25.8 38.8





#3

Pvridine

Concen: 4.774 ng

RT: 3.95 min Scan# 112

Delta R.T. 0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

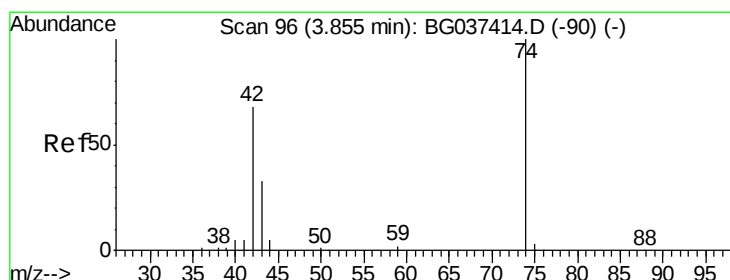
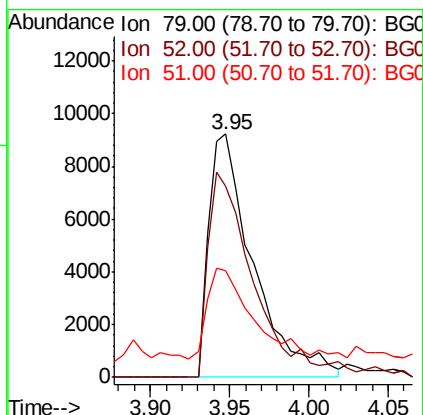
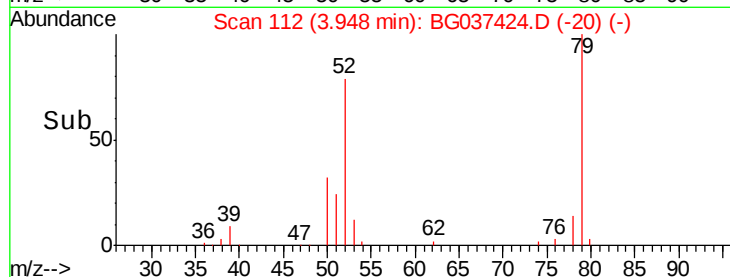
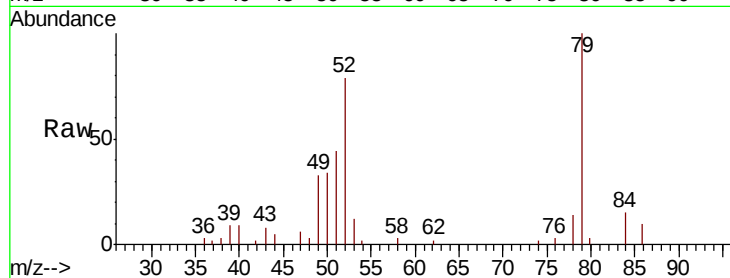
Tot Ion: 79 Resp: 17974

Ion Ratio Lower Upper

79 100

52 78.5 74.2 111.2

51 43.6 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 5.803 ng

RT: 3.87 min Scan# 98

Delta R.T. 0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

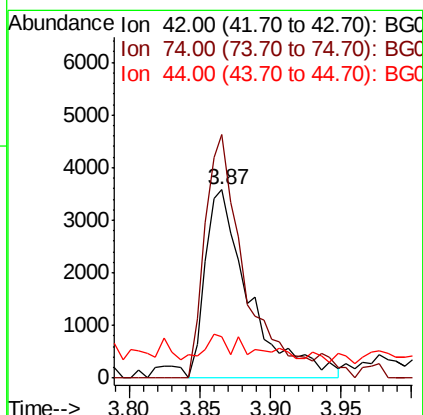
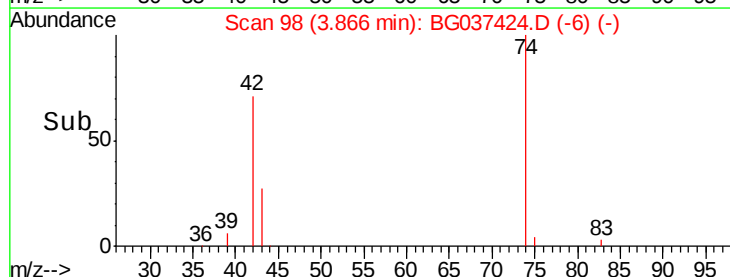
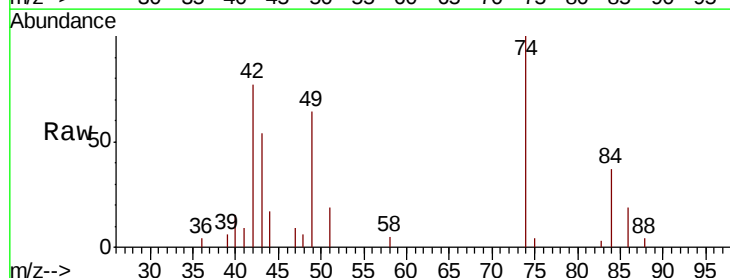
Tgt Ion: 42 Resp: 7782

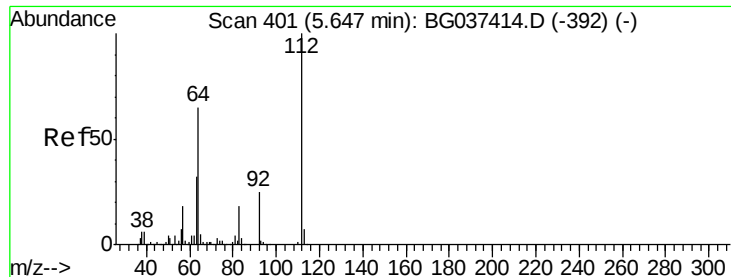
Ion Ratio Lower Upper

42 100

74 129.1 102.0 153.0

44 22.0 9.6 14.4#





#5

2-Fluorophenol

Concen: 142.517 ng

RT: 5.65 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

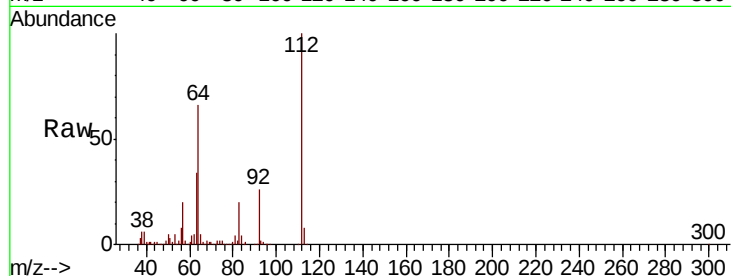
Tot Ion:112 Resp: 419780

Ion Ratio Lower Upper

112 100

64 65.9 53.1 79.7

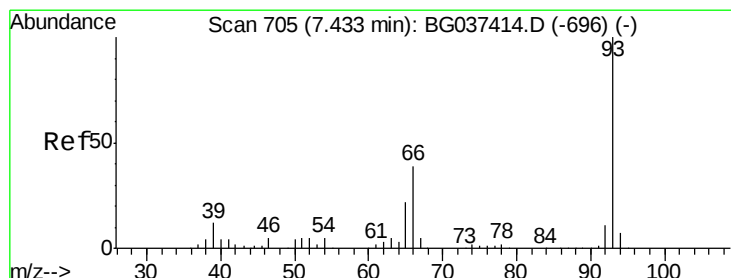
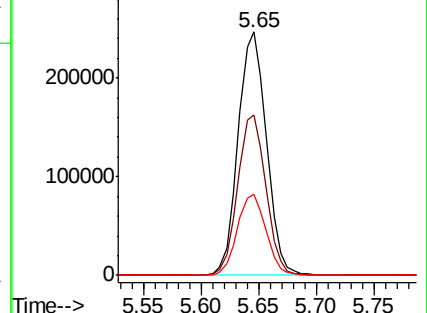
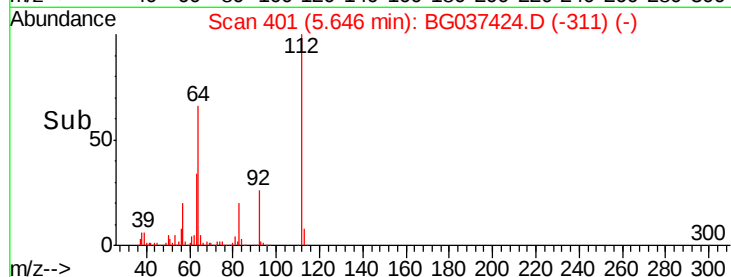
63 33.5 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 3.369 ng

RT: 7.43 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

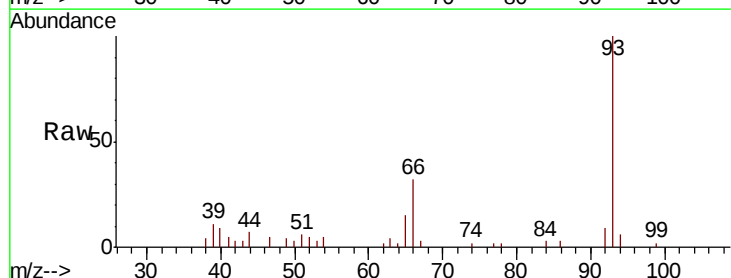
Tgt Ion: 93 Resp: 18307

Ion Ratio Lower Upper

93 100

66 32.2 32.8 49.2#

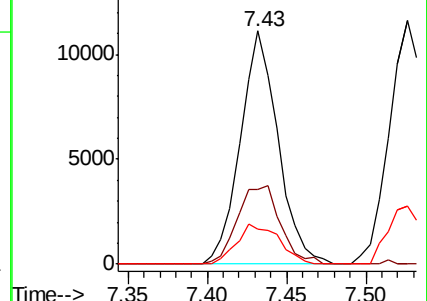
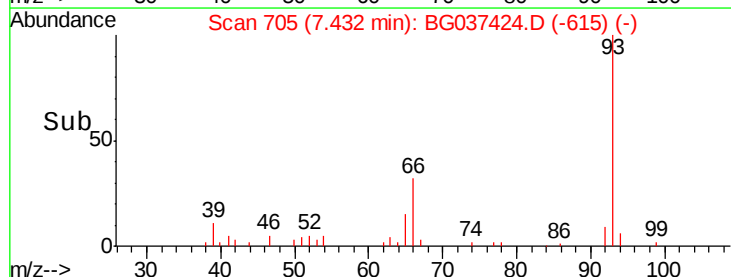
65 15.0 16.4 24.6#

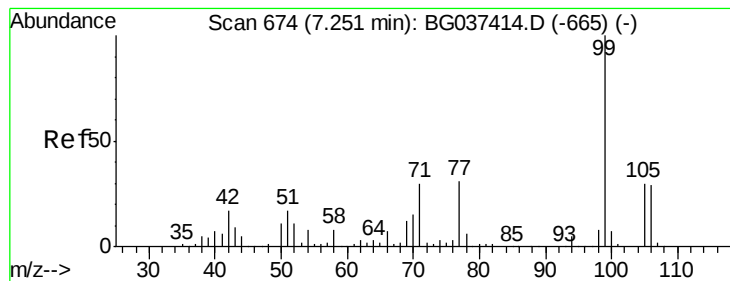


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 137.362 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

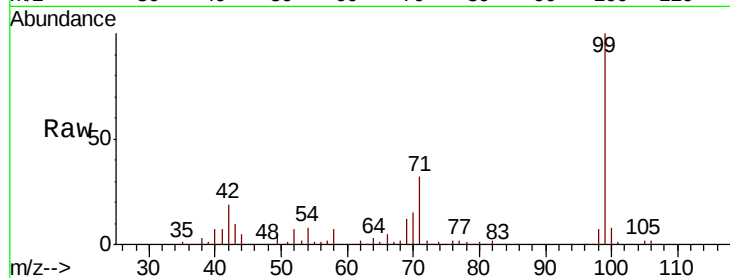
Tot Ion: 99 Resp: 611802

Ion Ratio Lower Upper

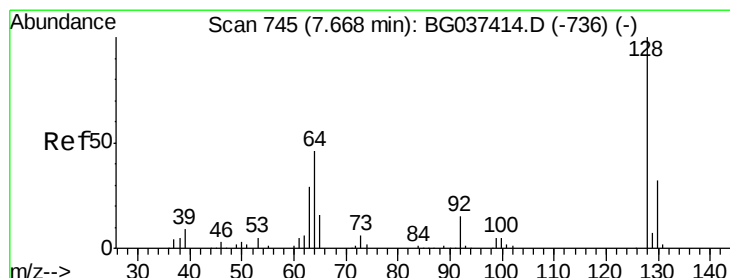
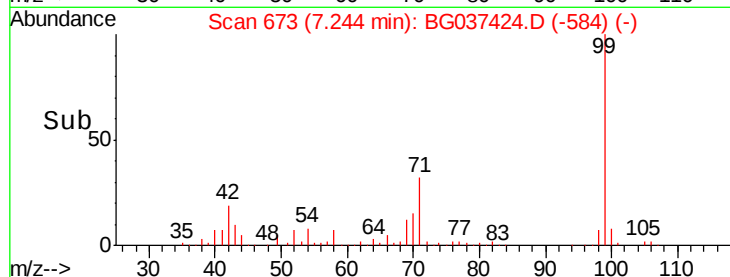
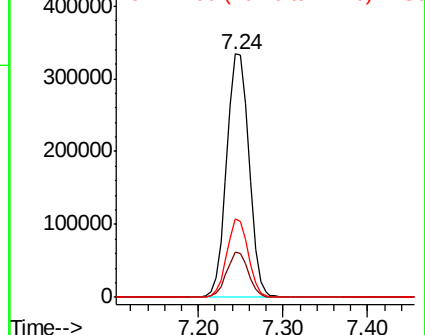
99 100

42 18.6 15.0 22.4

71 32.2 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 5.135 ng

RT: 7.67 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

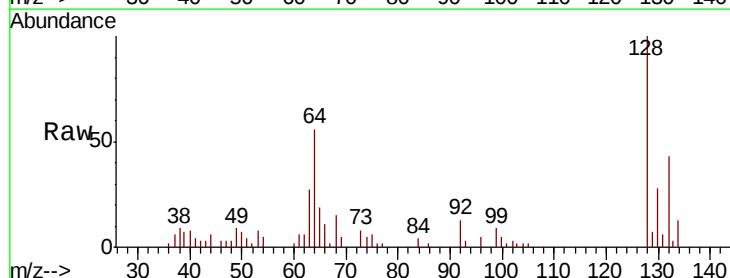
Tgt Ion: 128 Resp: 17693

Ion Ratio Lower Upper

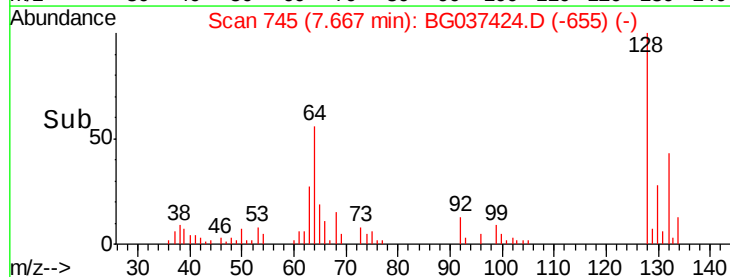
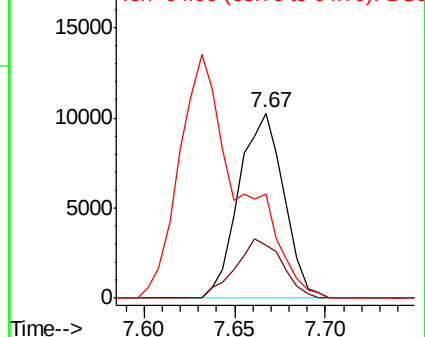
128 100

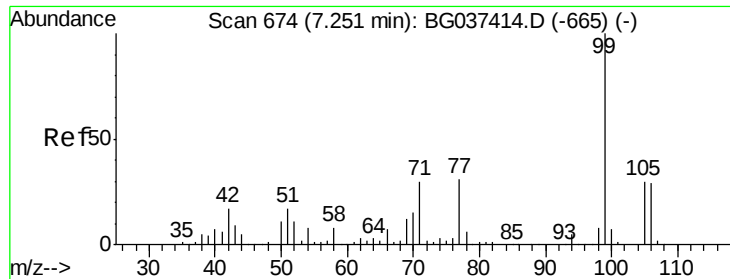
130 28.4 12.0 52.0

64 56.1 32.9 72.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 4.727 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

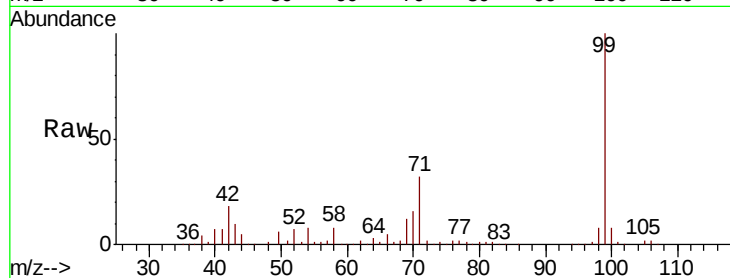
Tot Ion: 77 Resp: 13170

Ion Ratio Lower Upper

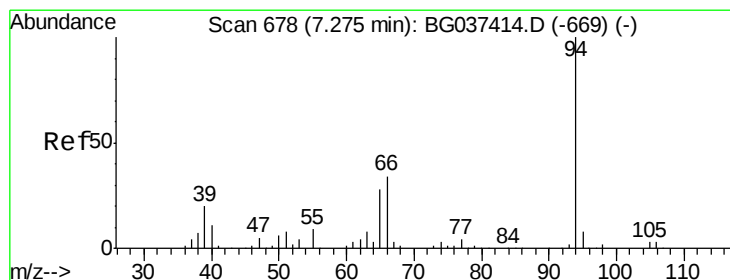
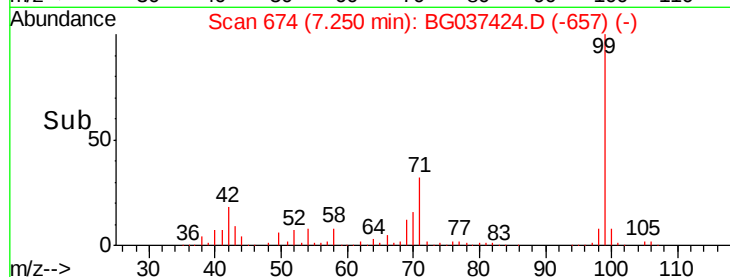
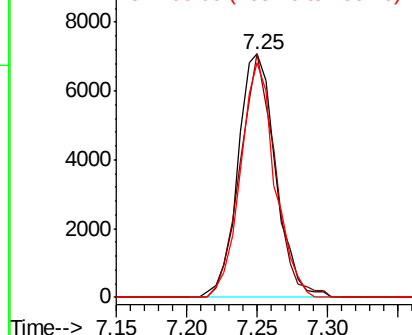
77 100

105 99.8 72.6 112.6

106 96.2 71.3 111.3



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 5.334 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

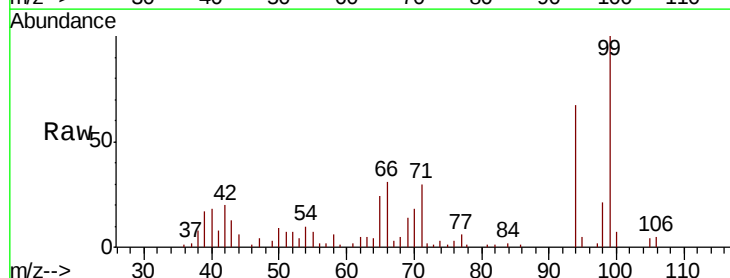
Tgt Ion: 94 Resp: 25068

Ion Ratio Lower Upper

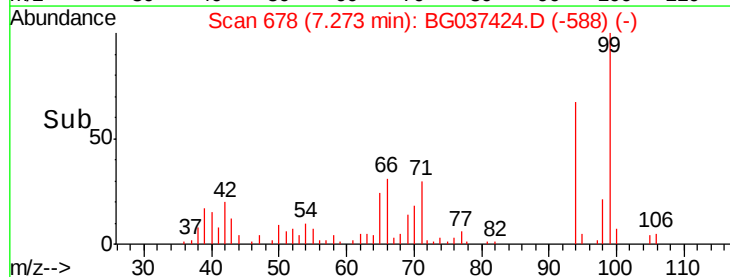
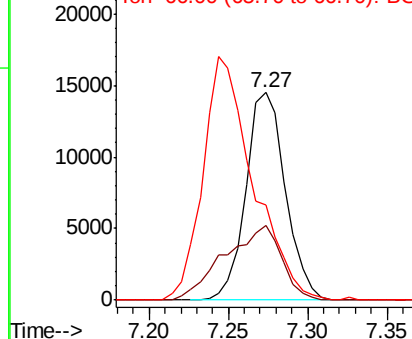
94 100

65 35.8 9.7 49.7

66 45.9 15.9 55.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 5.247 ng

RT: 7.53 min Scan# 721

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

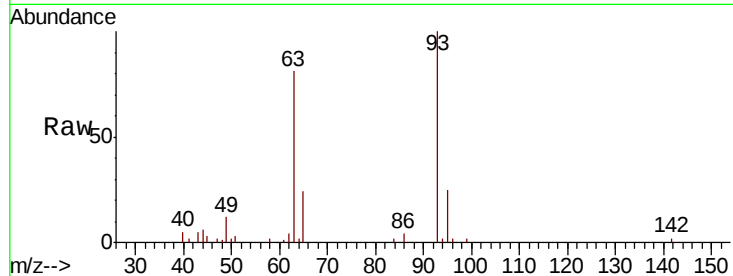
Tot Ion: 93 Resp: 18729

Ion Ratio Lower Upper

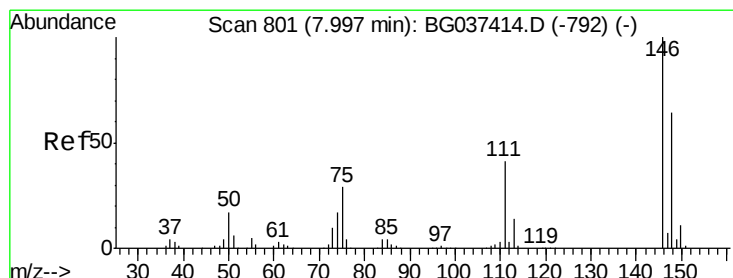
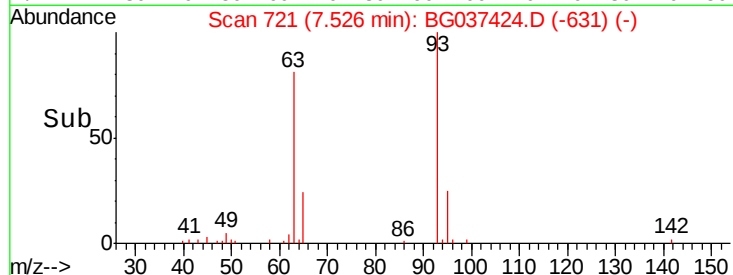
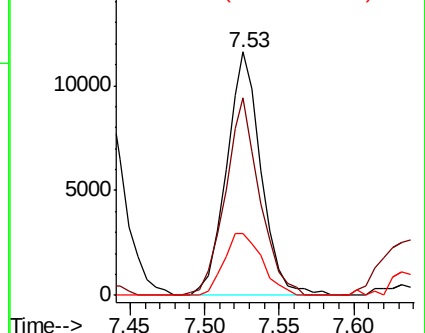
93 100

63 81.3 69.5 109.5

95 25.3 12.6 52.6



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 5.040 ng

RT: 8.00 min Scan# 801

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

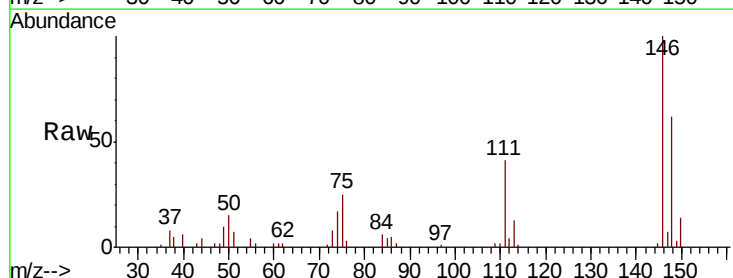
Tgt Ion: 146 Resp: 19332

Ion Ratio Lower Upper

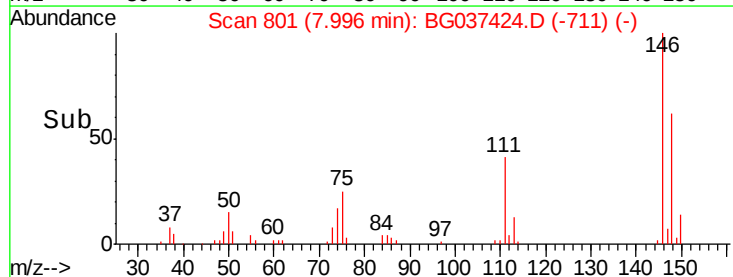
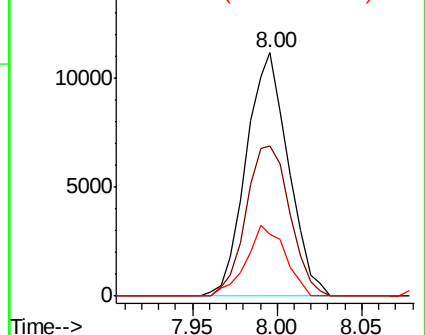
146 100

148 61.6 49.8 74.8

75 25.3 23.2 34.8



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BGC

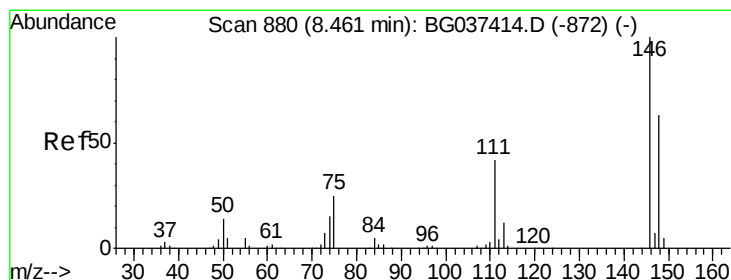
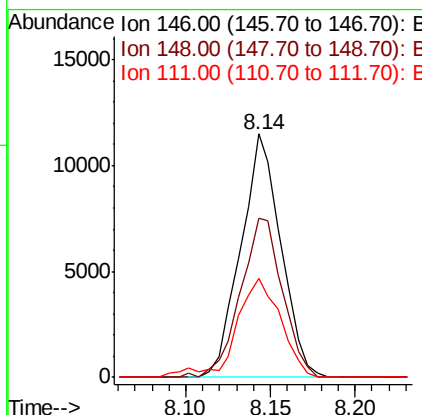
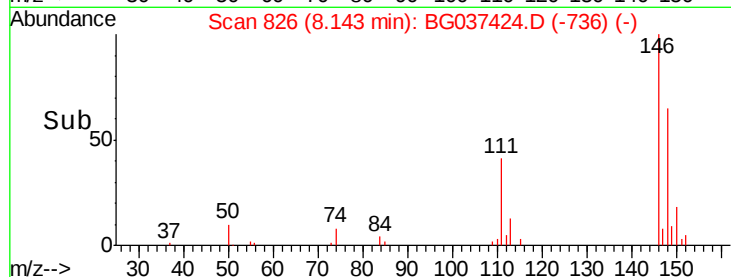
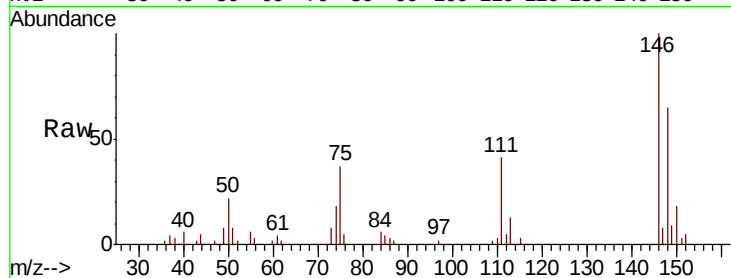




#13
 1,4-Dichlorobenzene
 Concen: 4.833 ng
 RT: 8.14 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BG037424.D
 Acq: 18 Oct 2018 17:58

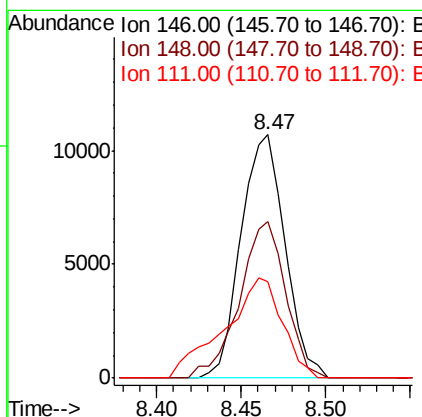
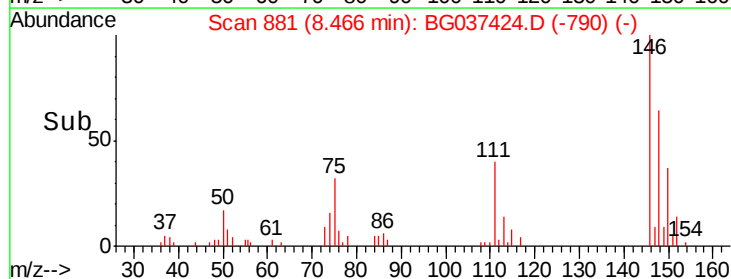
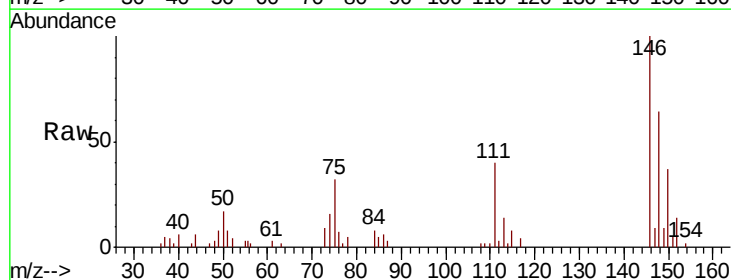
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

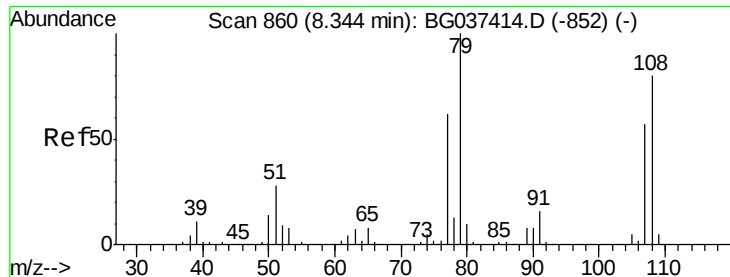
Tot Ion:146 Resp: 18963
 Ion Ratio Lower Upper
 146 100
 148 65.4 51.0 76.6
 111 40.9 32.4 48.6



#14
 1,2-Dichlorobenzene
 Concen: 5.128 ng
 RT: 8.47 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BG037424.D
 Acq: 18 Oct 2018 17:58

Tgt Ion:146 Resp: 19358
 Ion Ratio Lower Upper
 146 100
 148 64.3 50.4 75.6
 111 39.7 34.6 51.8





#15

Benzyl Alcohol

Concen: 4.646 ng

RT: 8.35 min Scan# 861

Delta R.T. 0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

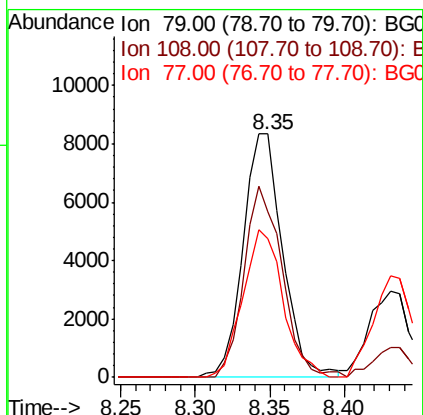
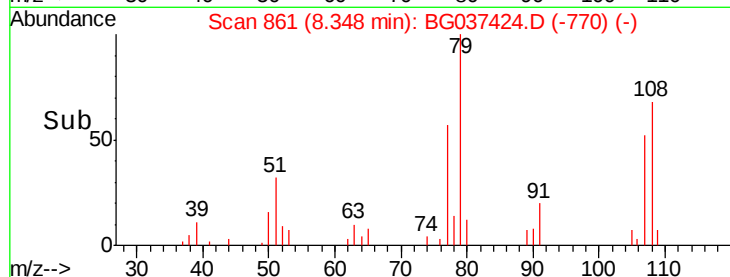
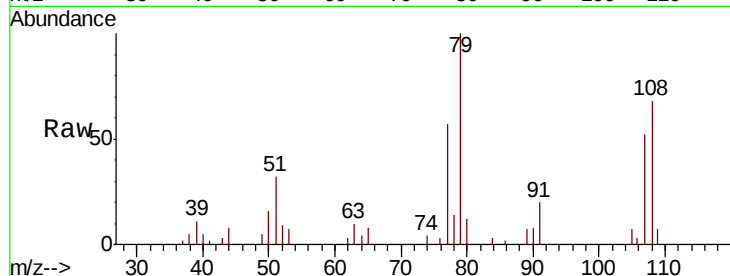
Tot Ion: 79 Resp: 15290

Ion Ratio Lower Upper

79 100

108 67.8 65.8 98.8

77 56.7 52.9 79.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.276 ng

RT: 8.63 min Scan# 909

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

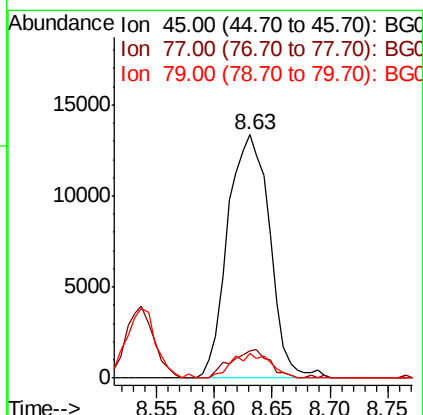
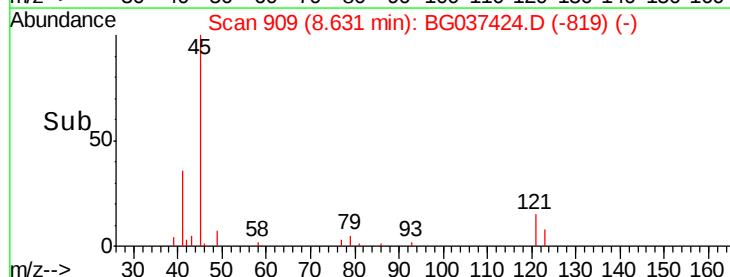
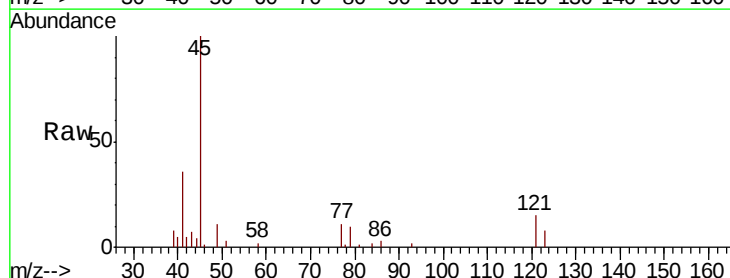
Tgt Ion: 45 Resp: 33695

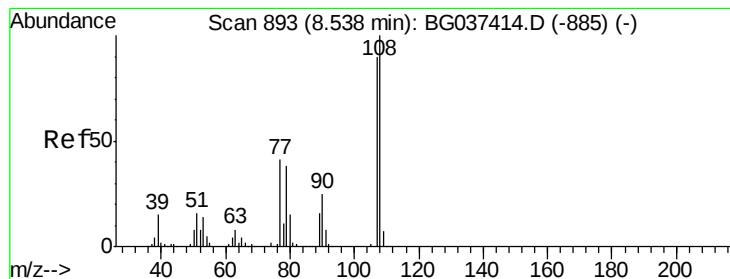
Ion Ratio Lower Upper

45 100

77 11.2 0.0 30.0

79 10.0 0.0 29.0





#17

2-Methylphenol

Concen: 5.169 ng

RT: 8.54 min Scan# 893

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:107 Resp: 16059

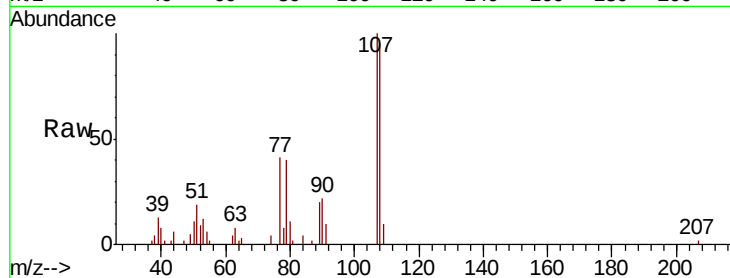
Ion Ratio Lower Upper

107 100

108 95.3 87.9 131.9

77 41.4 35.1 52.7

79 40.2 34.5 51.7



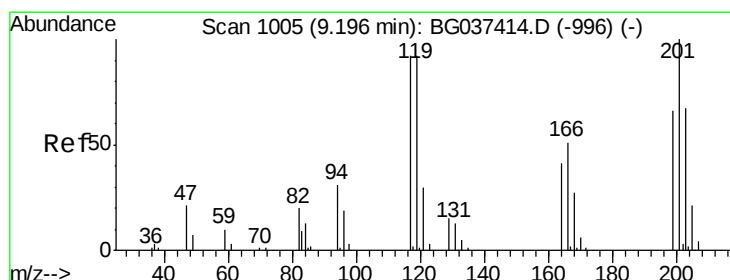
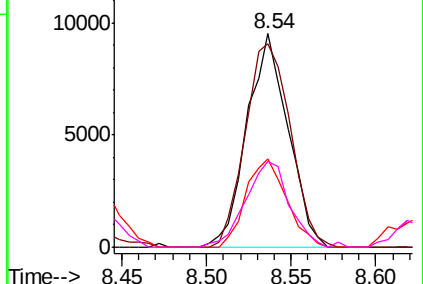
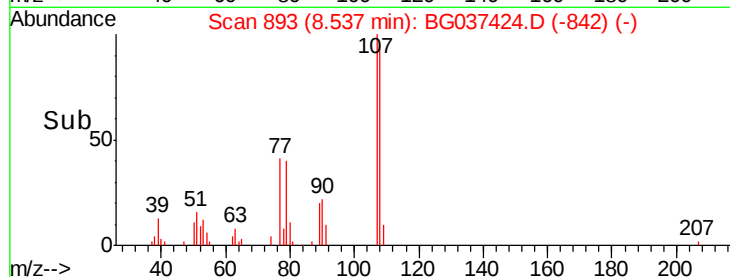
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 5.278 ng

RT: 9.19 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

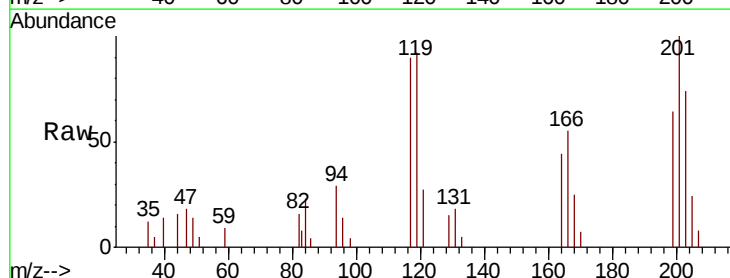
Tgt Ion:117 Resp: 7061

Ion Ratio Lower Upper

117 100

119 101.5 74.6 111.8

201 110.7 80.8 121.2

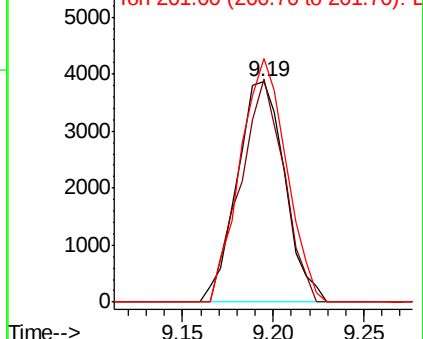
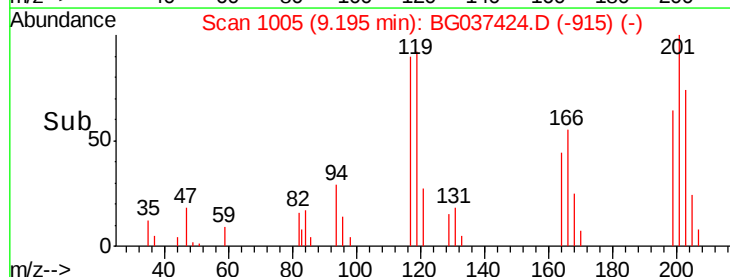


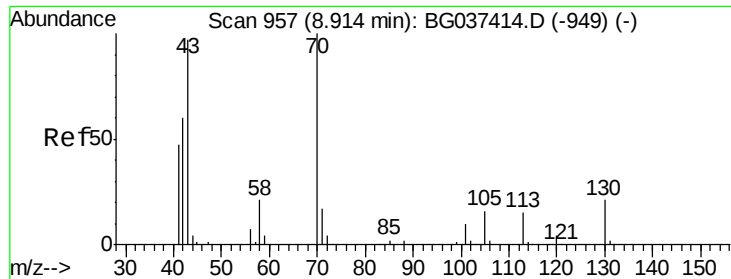
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

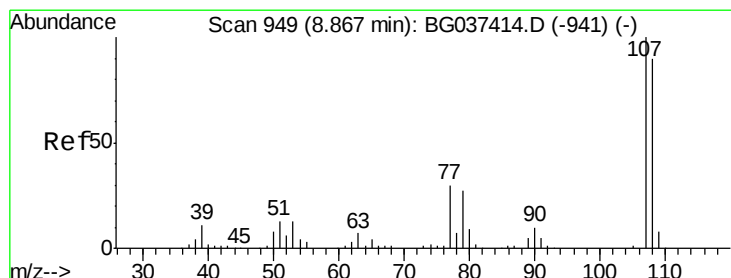
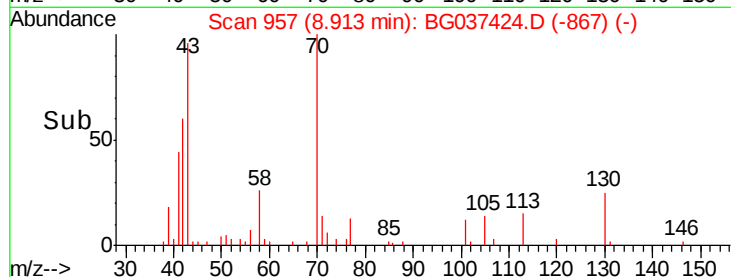
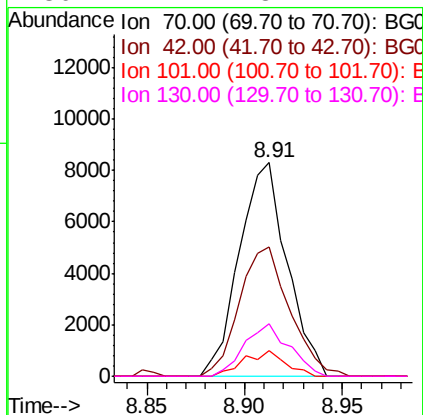
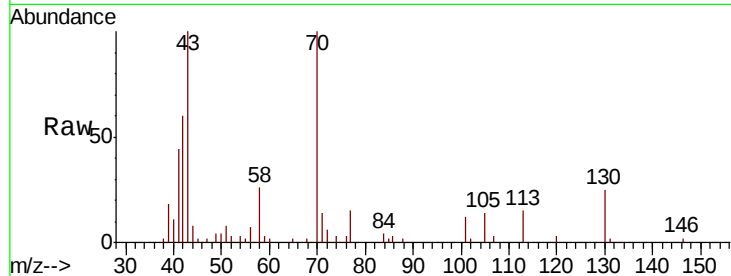




#19
n-Nitroso-di-n-propylamine
Concen: 4.593 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

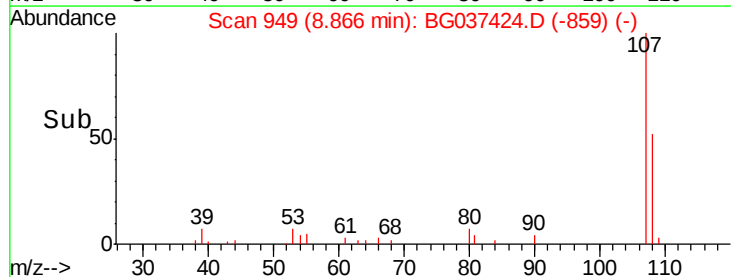
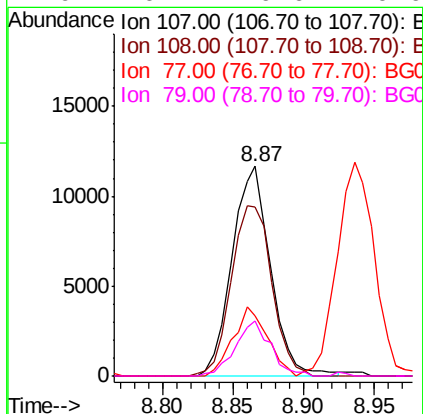
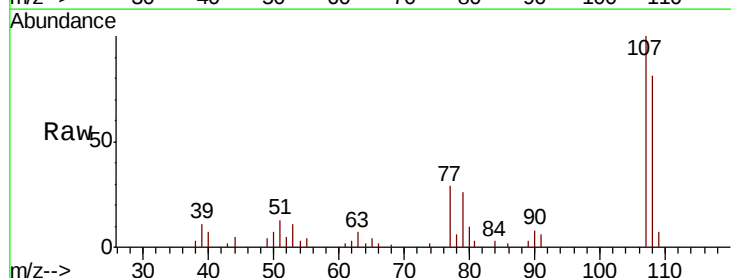
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

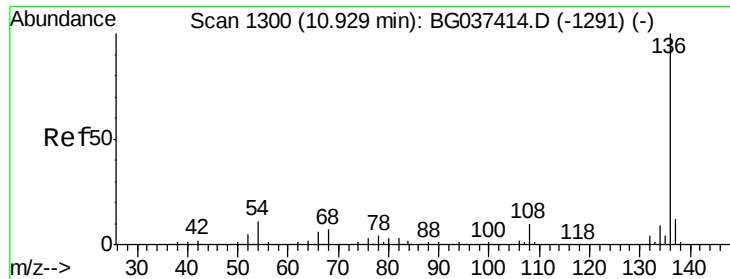
Tot Ion:	70	Resp:	14088
Ion	Ratio	Lower	Upper
70	100		
42	60.5	53.9	80.9
101	12.2	8.2	12.2
130	24.7	18.2	27.4



#20
3+4-Methylphenols
Concen: 4.980 ng
RT: 8.87 min Scan# 949
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion:	107	Resp:	22120
Ion	Ratio	Lower	Upper
107	100		
108	80.7	69.9	109.9
77	28.8	11.2	51.2
79	26.1	6.6	46.6

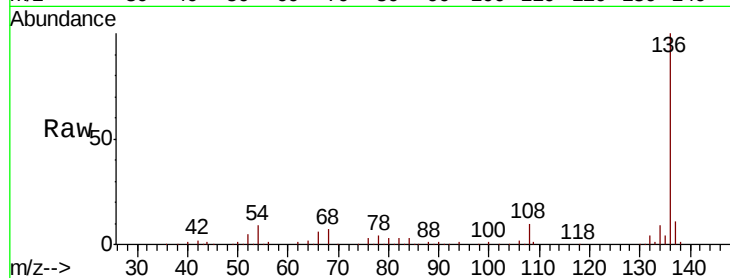




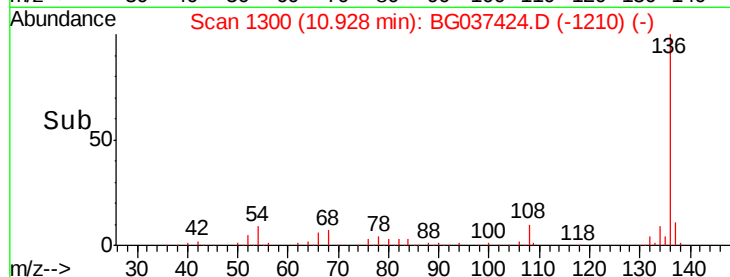
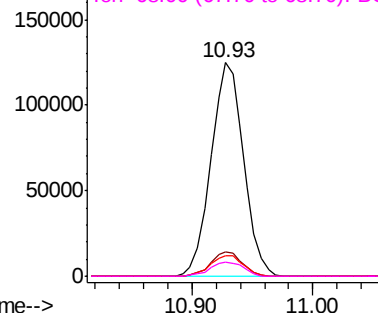
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:136	Resp:	233457
Ion Ratio	Lower	Upper
136 100		
137 11.4	9.6	14.4
54 9.5	7.9	11.9
68 6.8	4.8	7.2

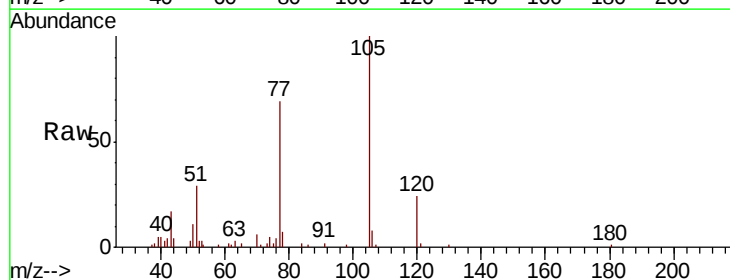


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

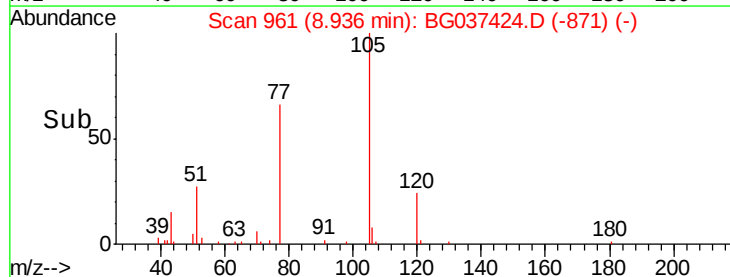
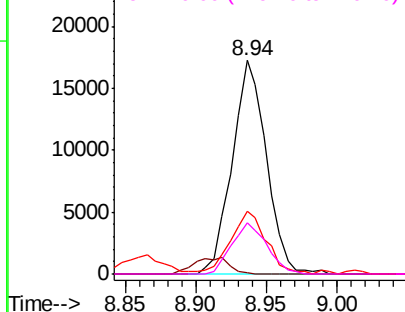


#22
Acetophenone
Concen: 4.978 ng
RT: 8.94 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion	Ion:105	Resp:	29145
	Ratio	Lower	Upper
105	100		
71	0.9	1.2	1.8#
51	29.4	25.0	37.6
120	23.8	18.6	28.0



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

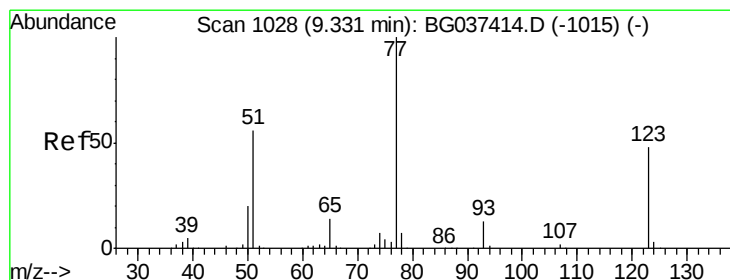
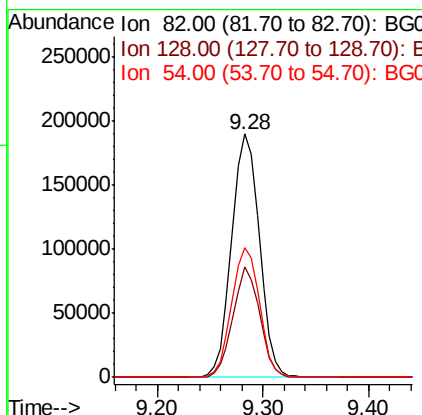
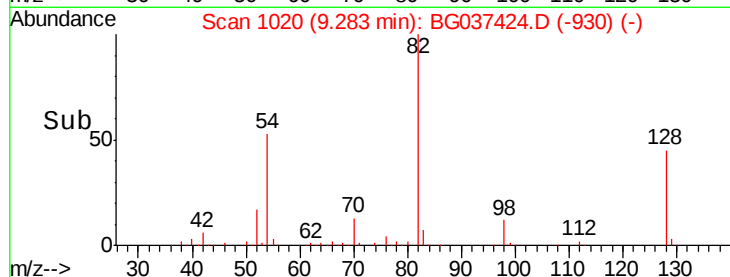
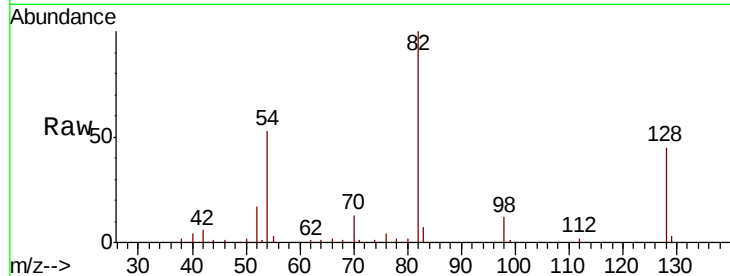




#23
Nitrobenzene-d5
Concen: 82.951 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

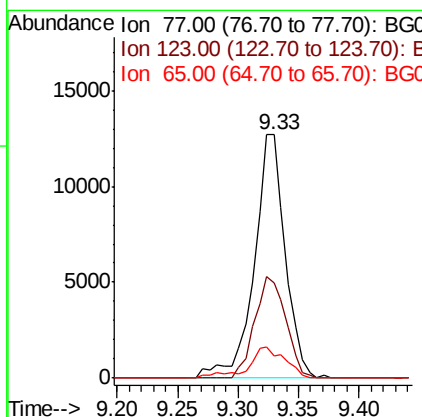
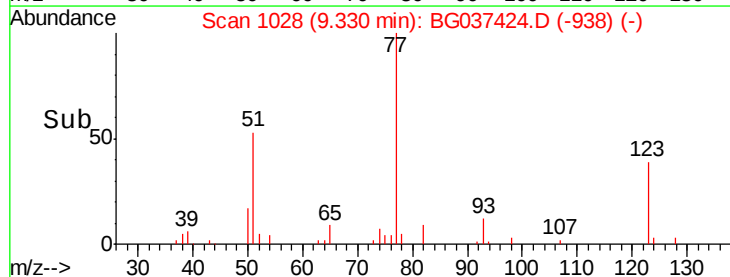
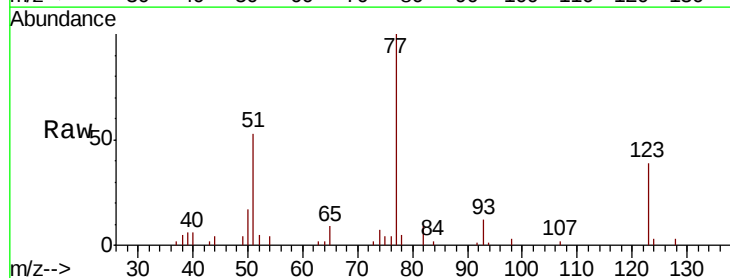
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

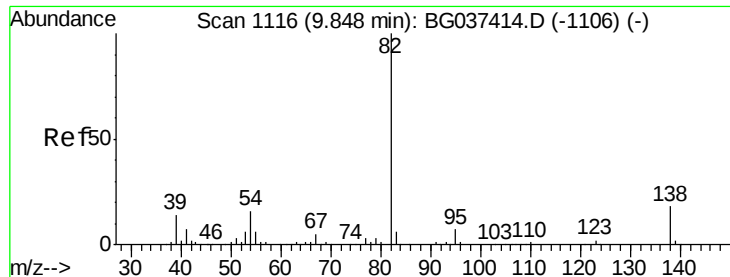
Tot Ion	82	Resp	345697
Ion Ratio	Lower	Upper	
82	100		
128	45.2	34.6	51.8
54	53.3	45.3	67.9



#24
Nitrobenzene
Concen: 5.220 ng
RT: 9.33 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion	77	Resp	22599
Ion Ratio	Lower	Upper	
77	100		
123	39.3	33.6	50.4
65	9.2	11.3	16.9#





#25

Isophorone

Concen: 5.377 ng

RT: 9.84 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

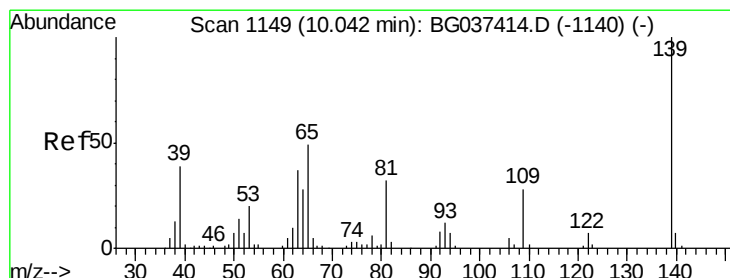
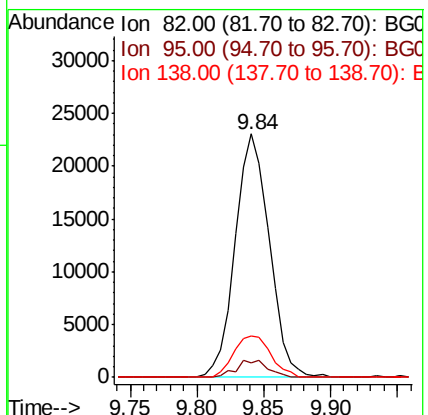
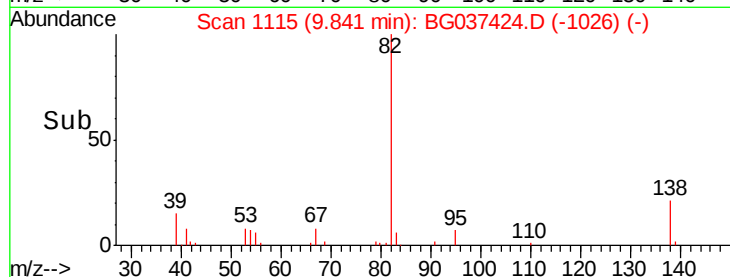
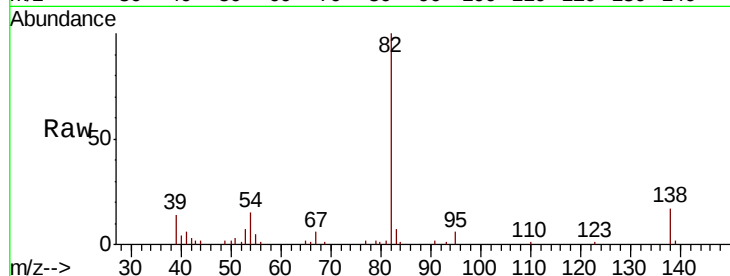
Tot Ion: 82 Resp: 40946

Ion Ratio Lower Upper

82 100

95 6.0 5.3 7.9

138 17.2 13.3 19.9



#26

2-Nitrophenol

Concen: 4.026 ng

RT: 10.03 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

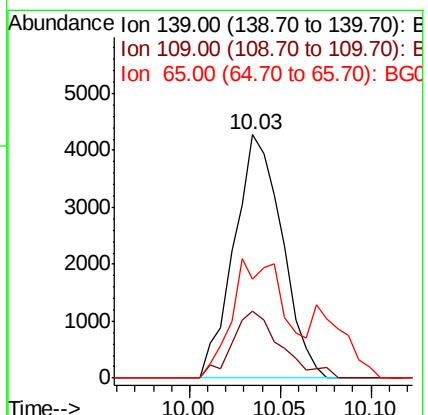
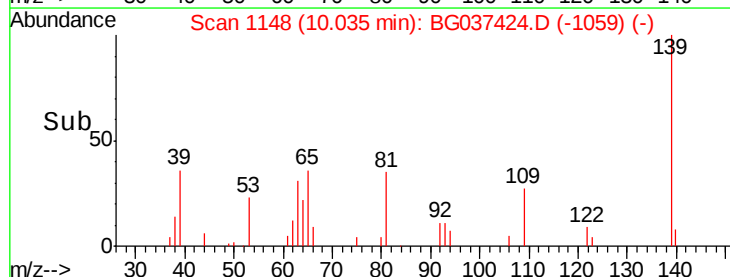
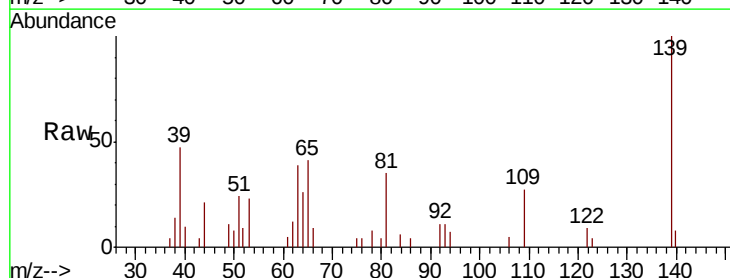
Tgt Ion: 139 Resp: 7852

Ion Ratio Lower Upper

139 100

109 27.4 23.3 34.9

65 40.7 39.8 59.8

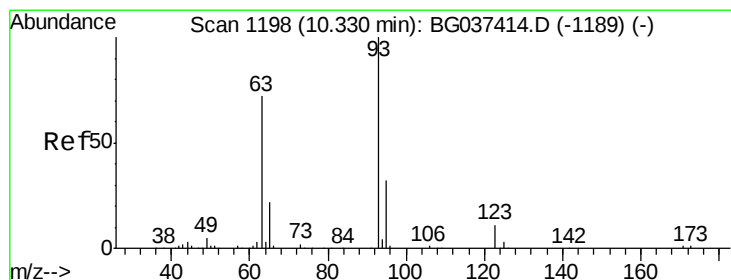
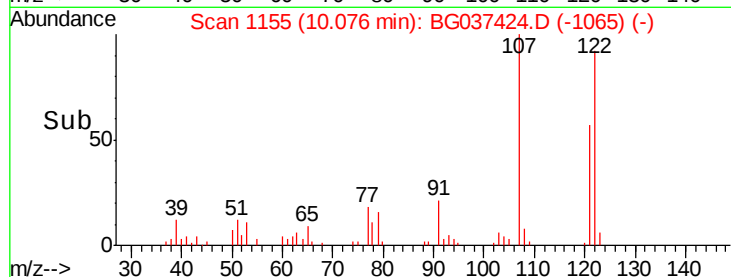
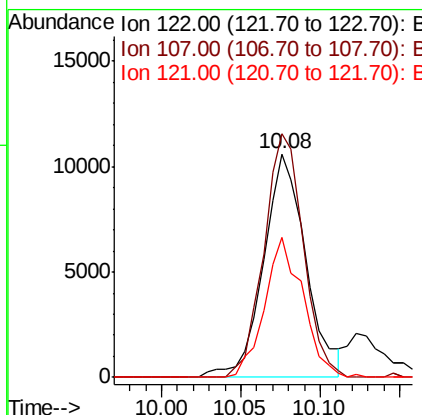
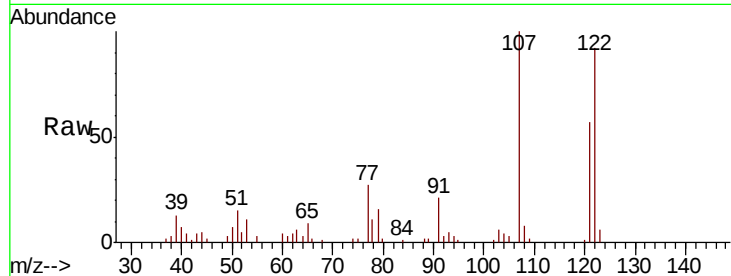




#27
 2,4-Dimethylphenol
 Concen: 5.677 ng
 RT: 10.08 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: BG037424.D
 Acq: 18 Oct 2018 17:58

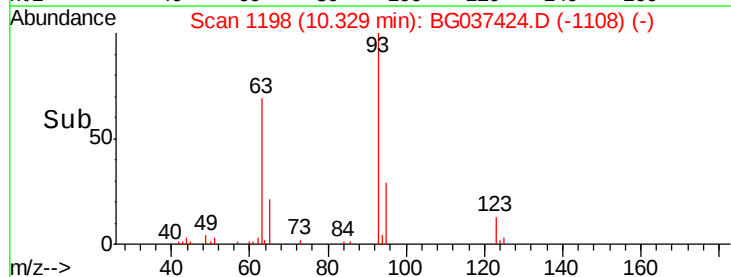
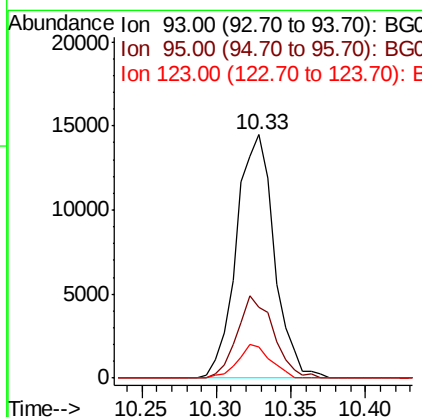
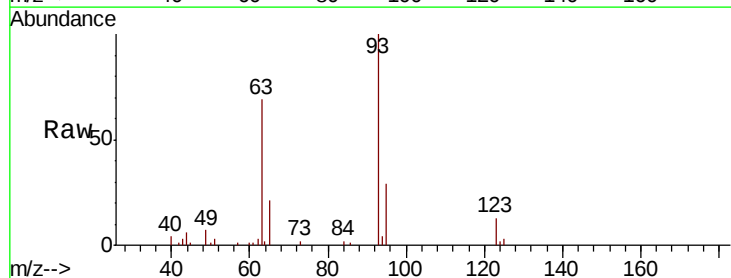
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tot Ion	Ion	Ratio	Lower	Upper
122	100			
107	109.0	94.2	141.2	
121	62.5	47.3	70.9	



#28
 bis(2-Chloroethoxy)methane
 Concen: 5.100 ng
 RT: 10.33 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: BG037424.D
 Acq: 18 Oct 2018 17:58

Tgt Ion	Ion	Ratio	Lower	Upper
93	100			
95	29.0	24.6	37.0	
123	12.6	9.1	13.7	

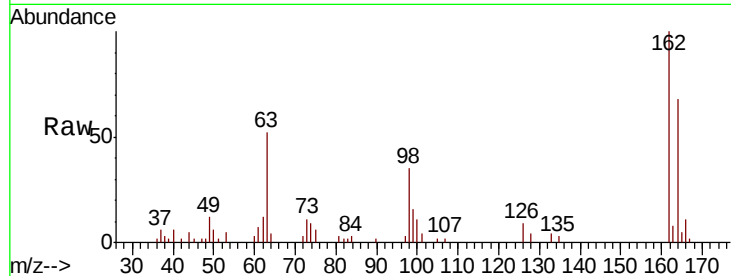




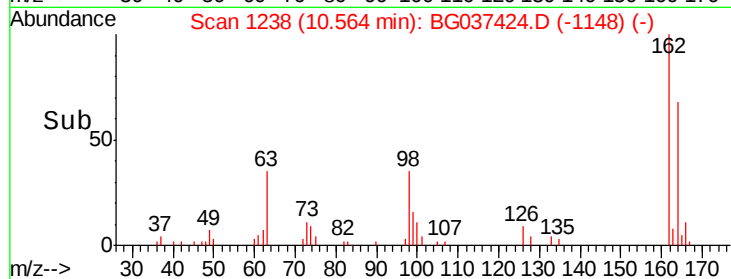
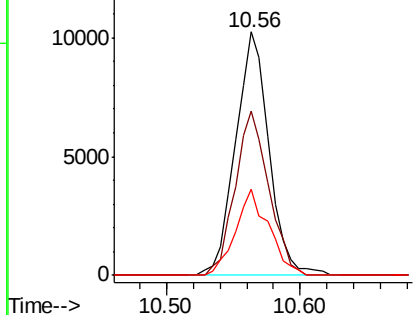
#29
 2,4-Dichlorophenol
 Concen: 4.568 ng
 RT: 10.56 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: BG037424.D
 Acq: 18 Oct 2018 17:58

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tot Ion:162 Resp: 17710
 Ion Ratio Lower Upper
 162 100
 164 67.6 43.2 83.2
 98 35.5 16.0 56.0

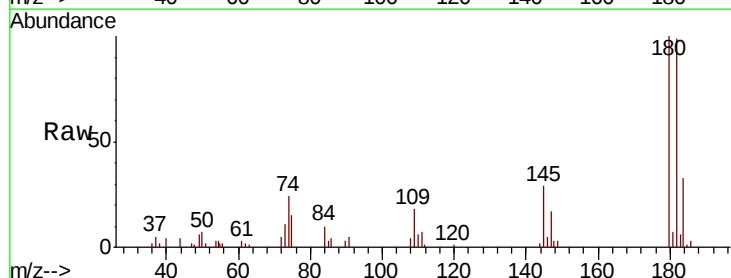


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BGC

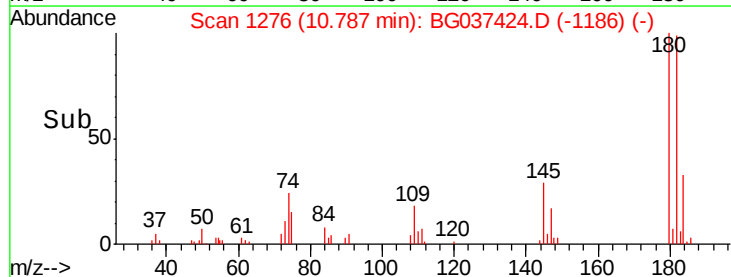
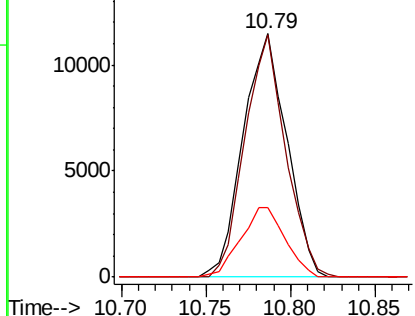


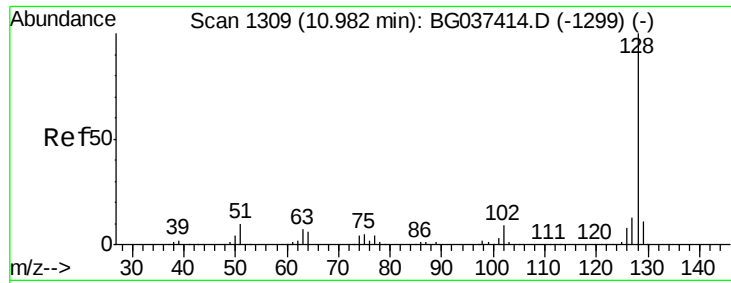
#30
 1,2,4-Trichlorobenzene
 Concen: 4.874 ng
 RT: 10.79 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: BG037424.D
 Acq: 18 Oct 2018 17:58

Tgt Ion:180 Resp: 20552
 Ion Ratio Lower Upper
 180 100
 182 93.2 77.7 116.5
 145 26.8 23.3 34.9



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

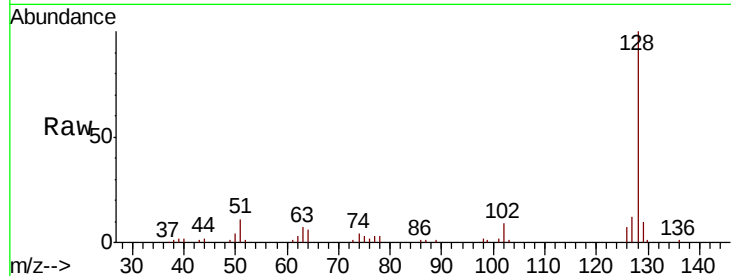




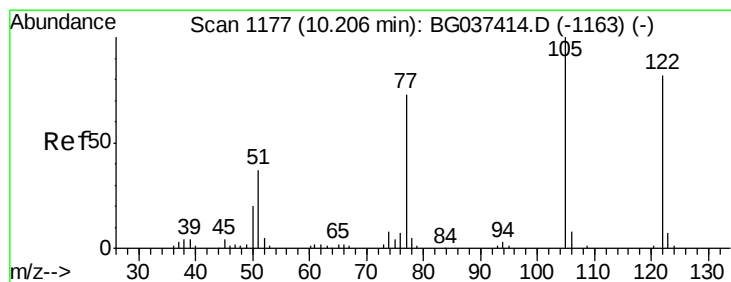
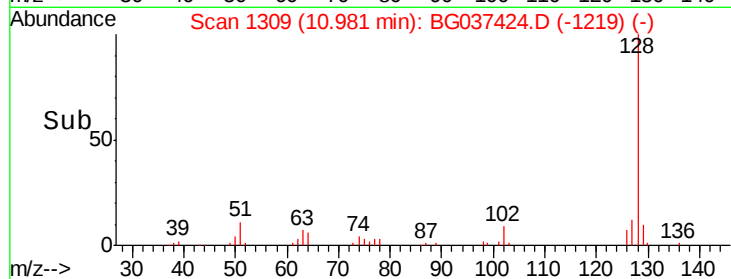
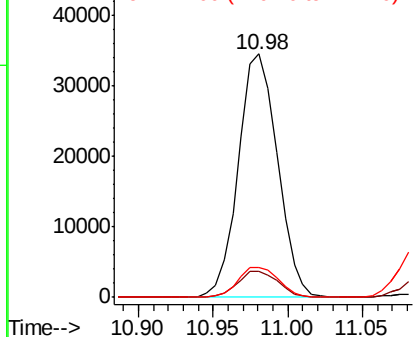
#31
Naphthalene
Concen: 5.487 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:128 Resp: 62924
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.6
127 12.2 11.1 16.7

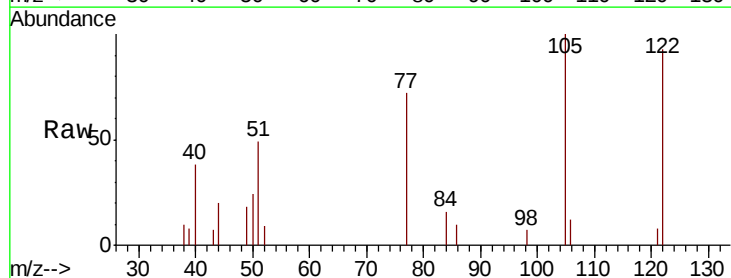


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

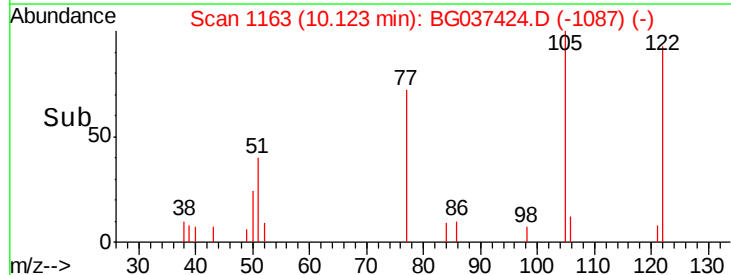
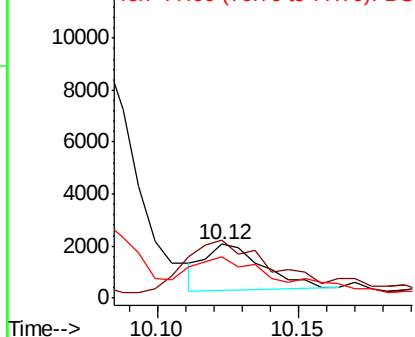


#32
Benzoic acid
Concen: 1.115 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.08 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion:122 Resp: 2523
Ion Ratio Lower Upper
122 100
105 107.6 106.7 146.7
77 77.3 72.2 112.2



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG

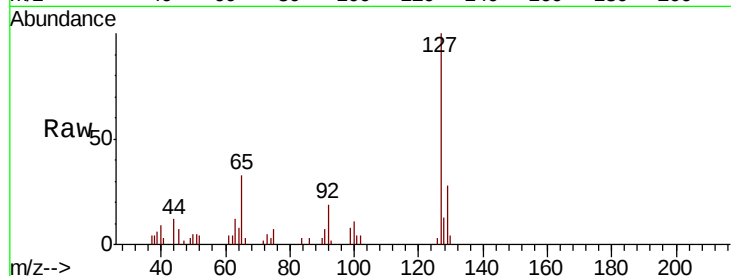




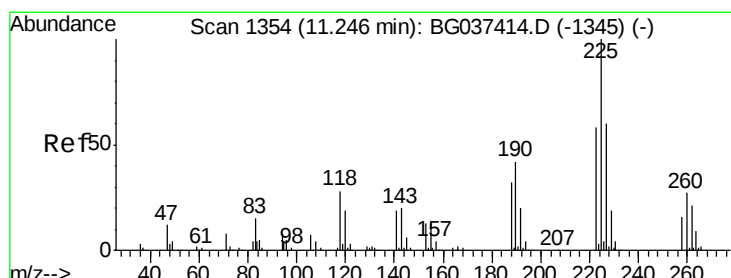
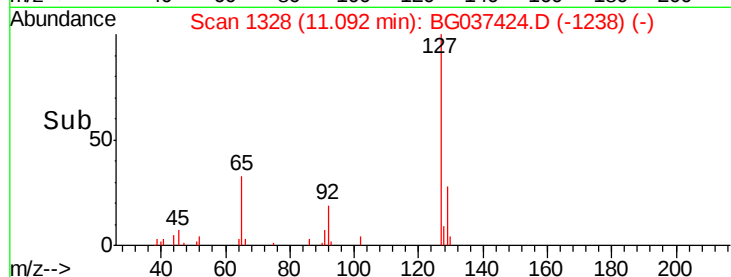
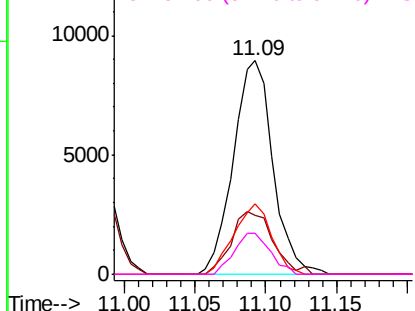
#33
4-Chloroaniline
Concen: 3.247 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:127	Resp:	17495
Ion	Ratio	Lower Upper
127	100	
129	27.5	27.1 40.7
65	33.0	26.6 39.8
92	18.9	16.4 24.6

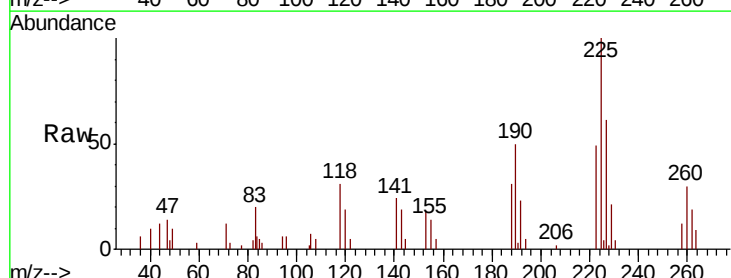


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

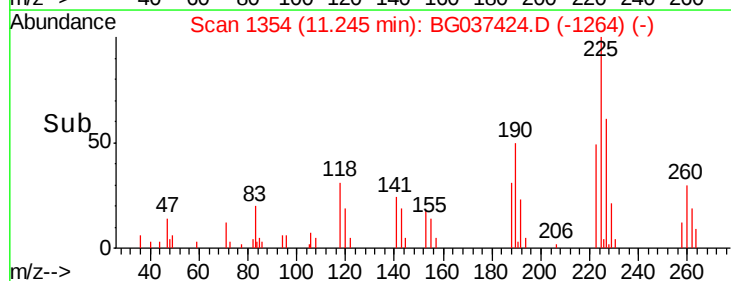
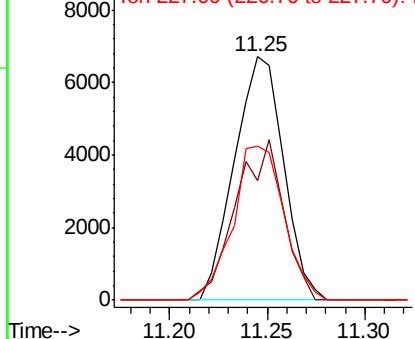


#34
Hexachlorobutadiene
Concen: 4.685 ng
RT: 11.25 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion:225	Resp:	11707
Ion	Ratio	Lower Upper
225	100	
223	47.3	48.2 72.4#
227	61.2	51.6 77.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 4.299 ng

RT: 11.84 min Scan# 1456

Delta R.T. -0.04 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

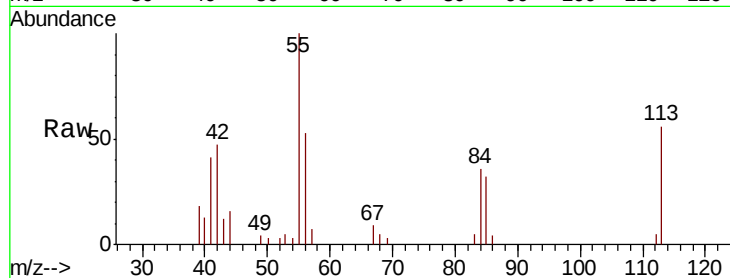
Tot Ion:113 Resp: 6685

Ion Ratio Lower Upper

113 100

55 179.9 176.6 216.6

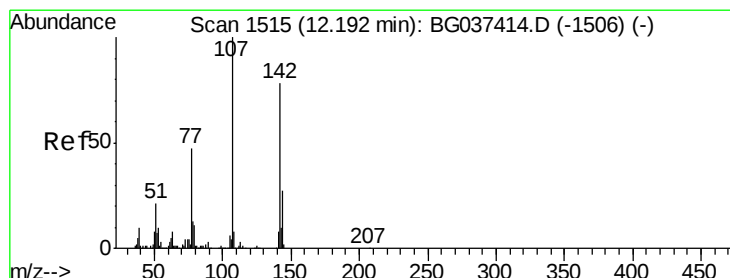
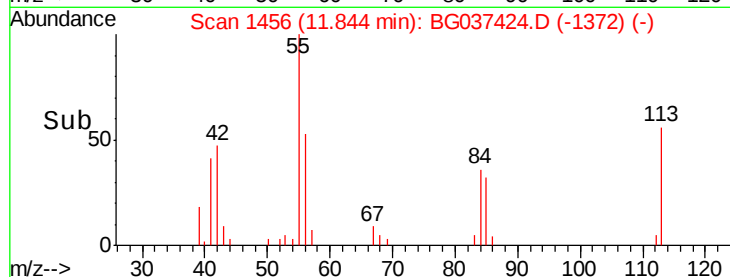
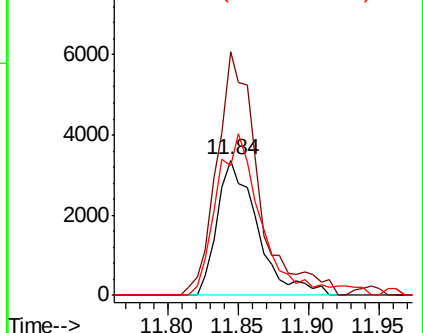
56 95.7 128.3 168.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 4.498 ng

RT: 12.19 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

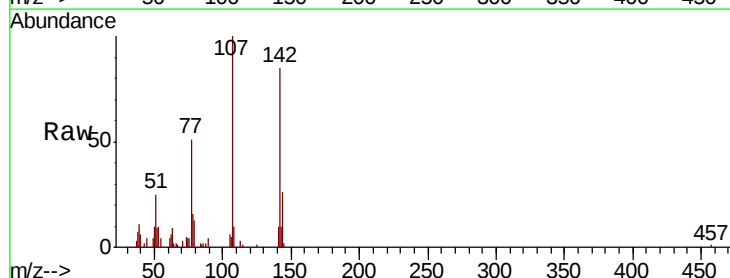
Tgt Ion:107 Resp: 19667

Ion Ratio Lower Upper

107 100

144 28.0 20.7 31.1

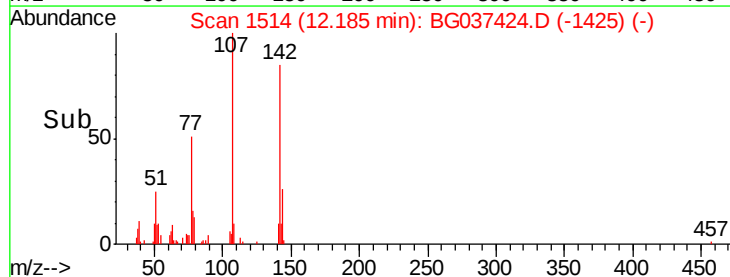
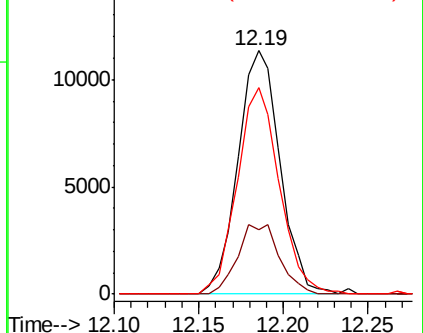
142 85.0 64.4 96.6



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

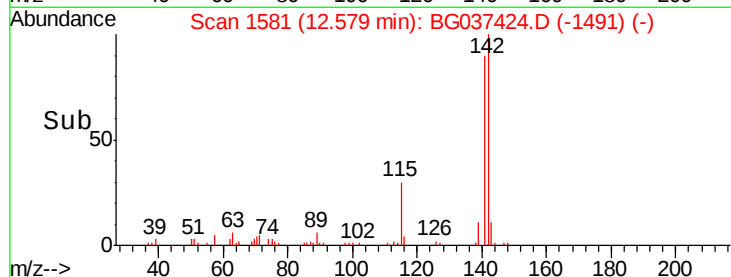
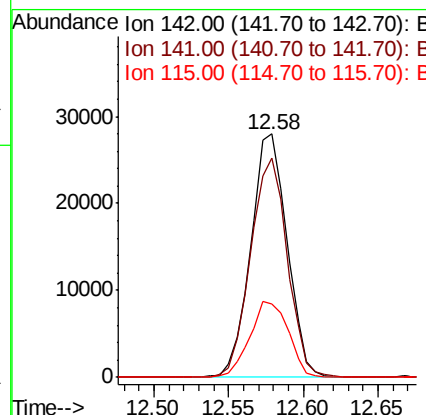
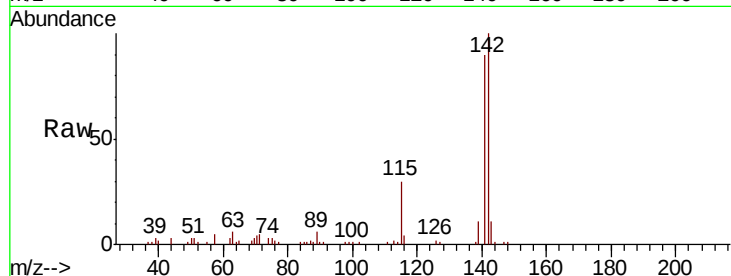




#37
2-Methylnaphthalene
Concen: 5.627 ng
RT: 12.58 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

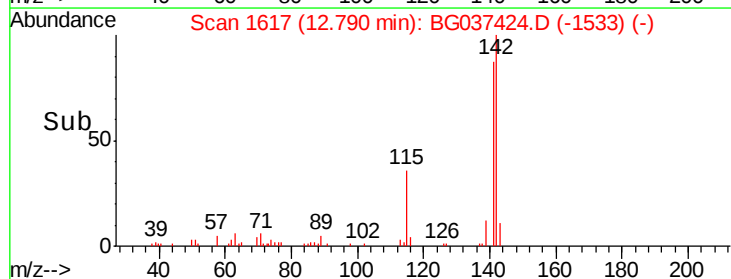
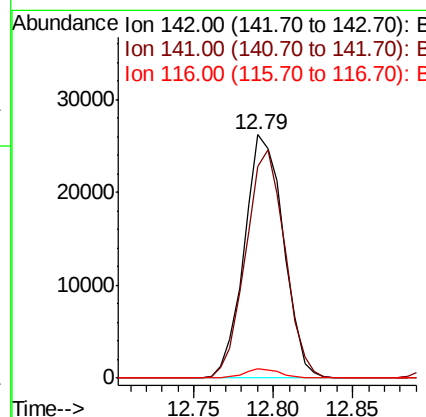
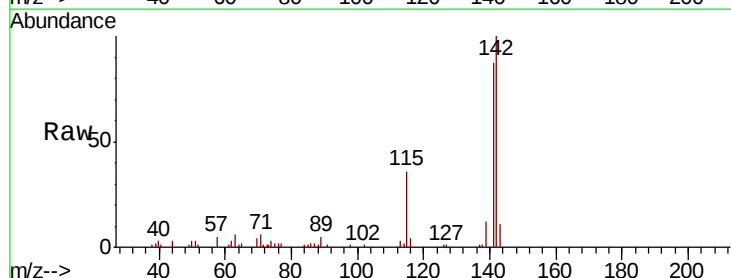
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.9	107.9
115	30.0	27.8	41.8



#38
1-Methylnaphthalene
Concen: 5.541 ng
RT: 12.79 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.7	75.2	112.8
116	3.9	3.3	4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

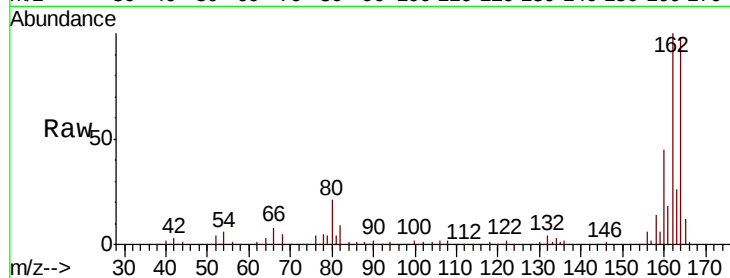
Tot Ion:164 Resp: 154222

Ion Ratio Lower Upper

164 100

162 101.7 81.3 121.9

160 45.7 36.3 54.5

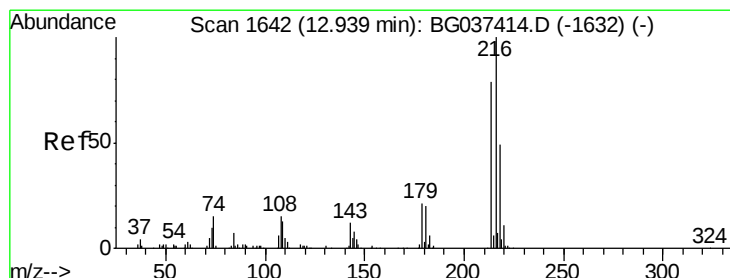
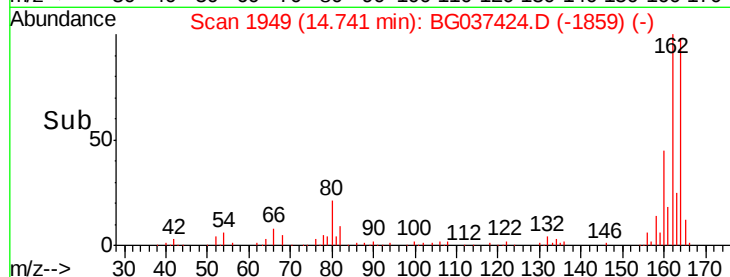
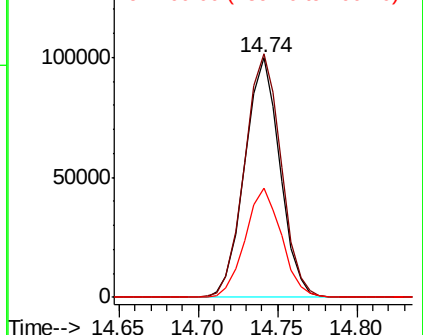


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.848 ng

RT: 12.93 min Scan# 1641

Delta R.T. -0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Tgt Ion:216 Resp: 24118

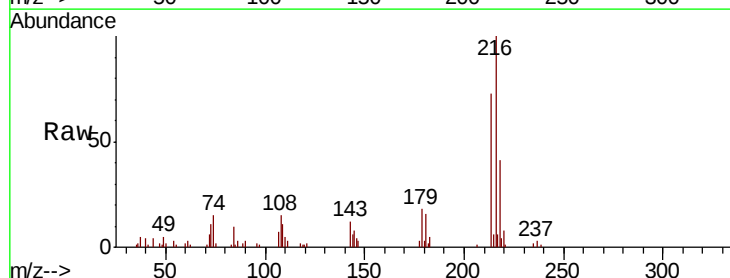
Ion Ratio Lower Upper

216 100

214 78.7 63.8 95.6

179 19.8 17.4 26.0

108 17.6 13.9 20.9



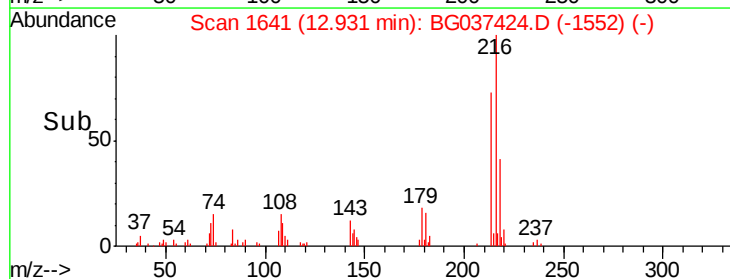
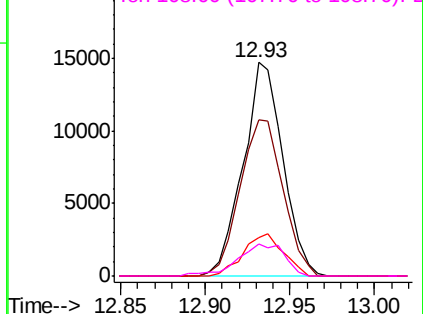
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 4.806 ng

RT: 12.90 min Scan# 1636

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

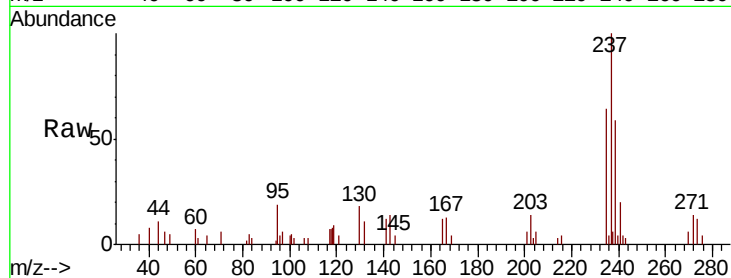
Tot Ion:237 Resp: 11421

Ion Ratio Lower Upper

237 100

235 64.1 42.5 82.5

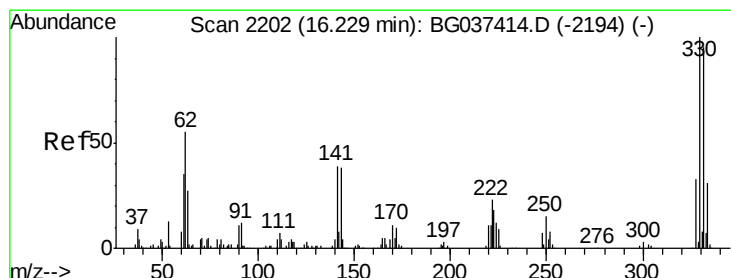
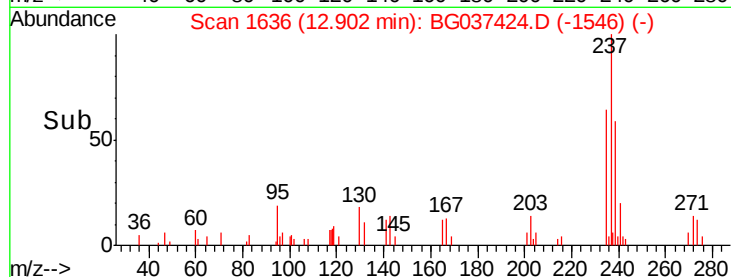
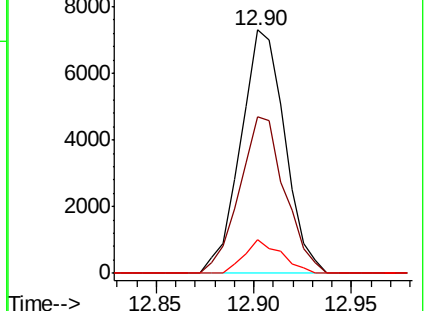
272 13.8 0.0 31.6



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 142.925 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

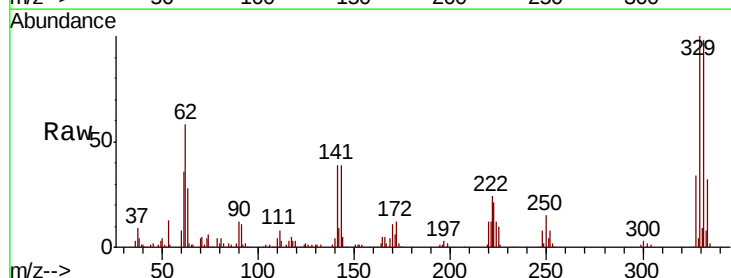
Tgt Ion:330 Resp: 240411

Ion Ratio Lower Upper

330 100

332 94.0 78.4 117.6

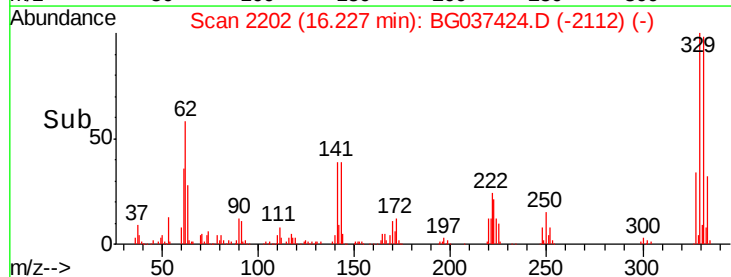
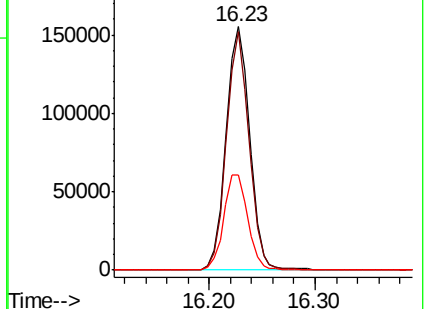
141 40.1 32.2 48.2

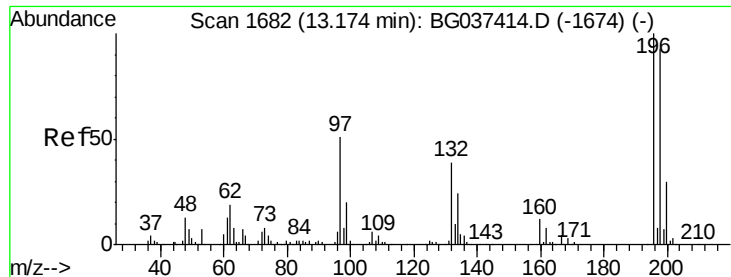


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

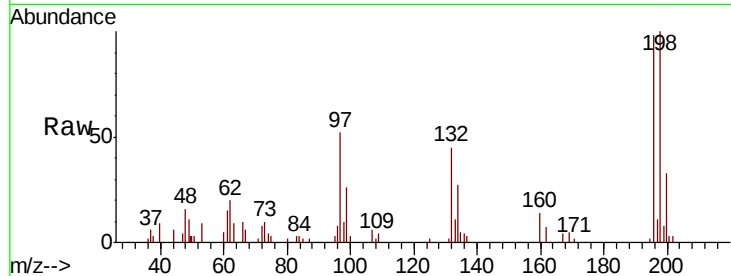




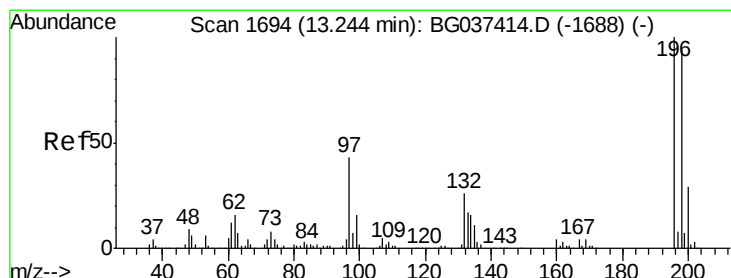
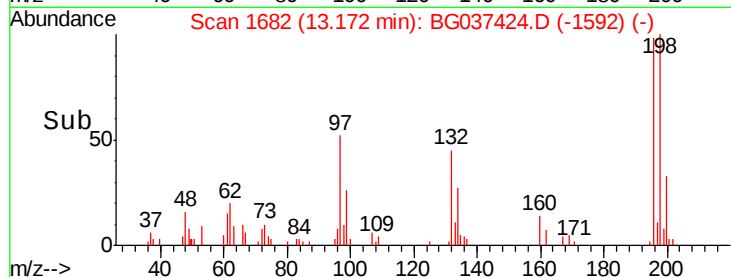
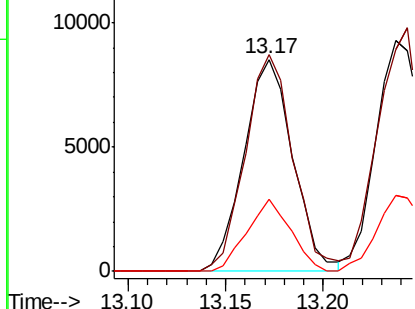
#43
 2,4,6-Trichlorophenol
 Concen: 4.462 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037424.D
 Acq: 18 Oct 2018 17:58

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tot Ion:196 Resp: 14829
 Ion Ratio Lower Upper
 196 100
 198 102.4 76.4 114.6
 200 37.2 24.9 37.3



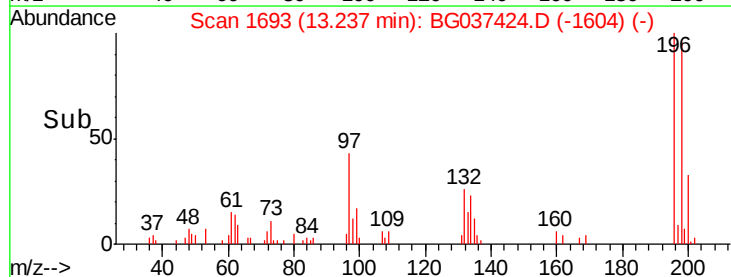
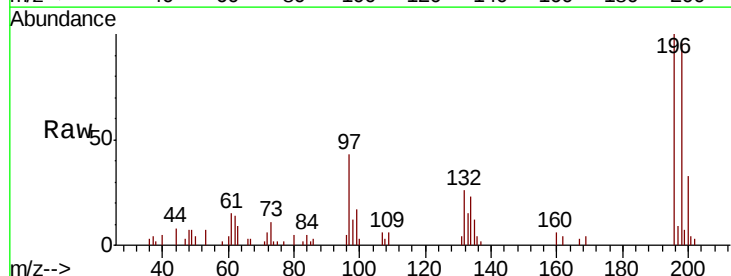
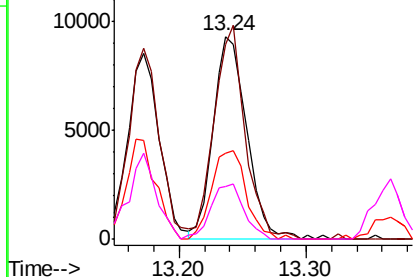
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 4.739 ng
 RT: 13.24 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: BG037424.D
 Acq: 18 Oct 2018 17:58

Tgt Ion:196 Resp: 17146
 Ion Ratio Lower Upper
 196 100
 198 96.2 74.2 111.2
 97 42.6 34.1 51.1
 132 25.9 20.2 30.4

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

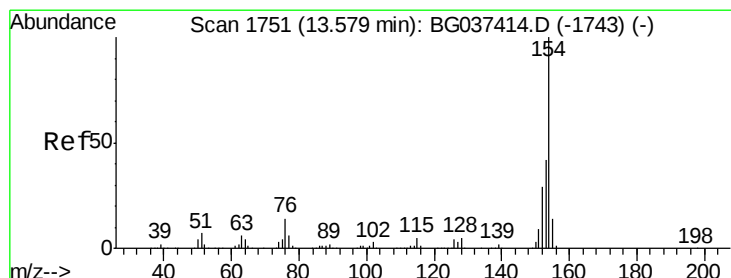
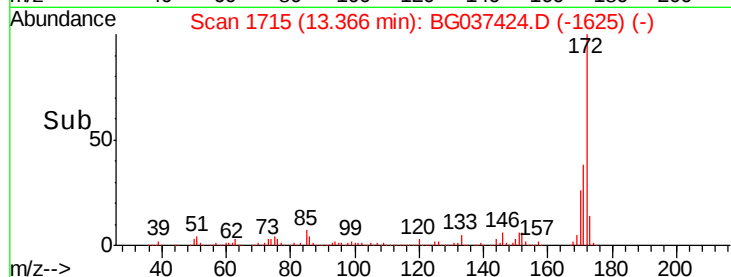
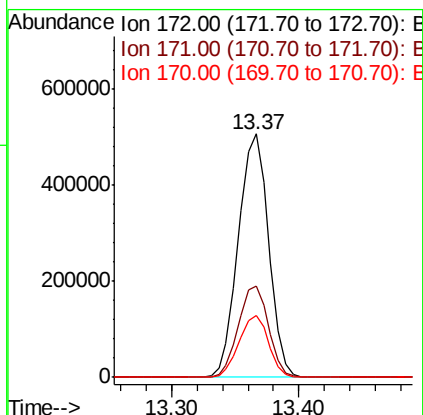
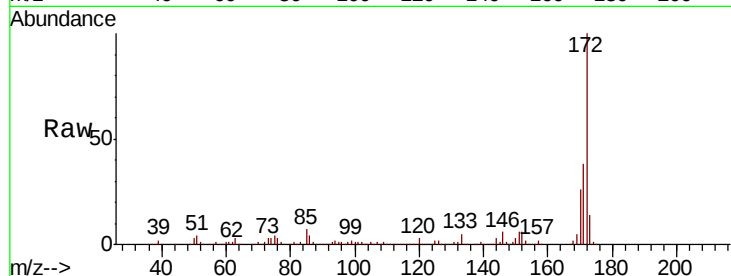




#45
2-Fluorobiphenyl
Concen: 81.985 ng
RT: 13.37 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

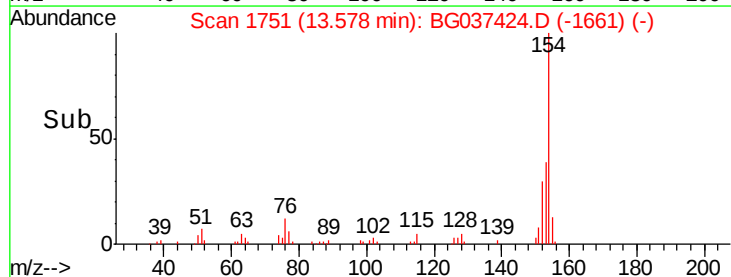
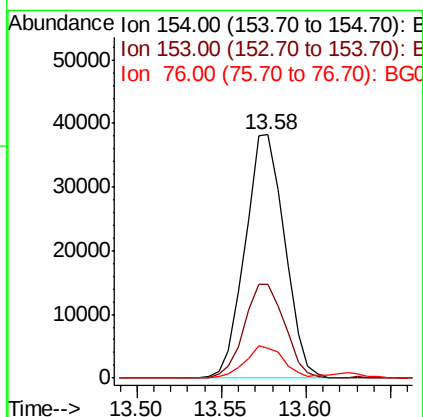
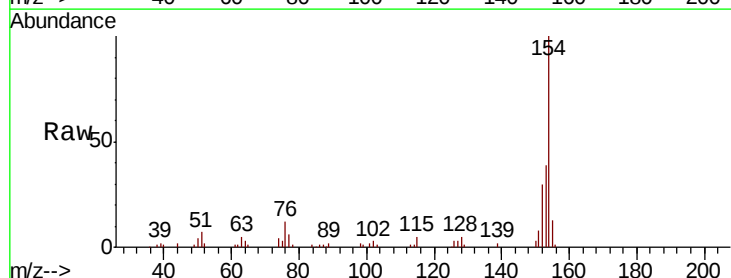
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:172 Resp: 838482
Ion Ratio Lower Upper
172 100
171 37.7 31.0 46.4
170 25.7 20.2 30.2



#46
1,1'-Biphenyl
Concen: 4.890 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion:154 Resp: 62459
Ion Ratio Lower Upper
154 100
153 38.5 22.1 62.1
76 12.2 0.0 33.2

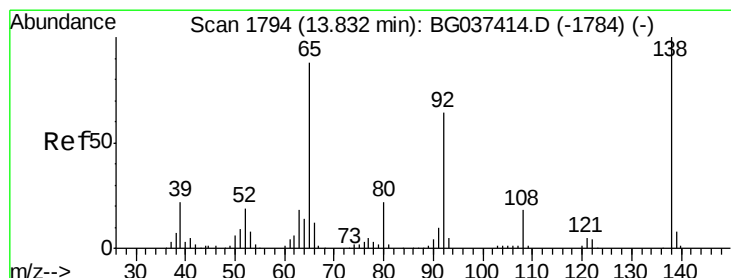
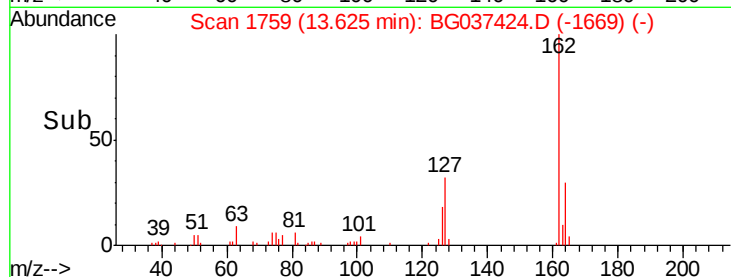
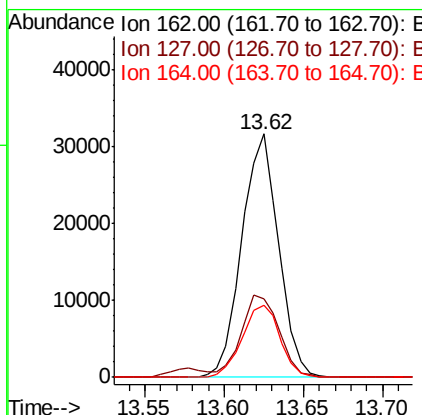
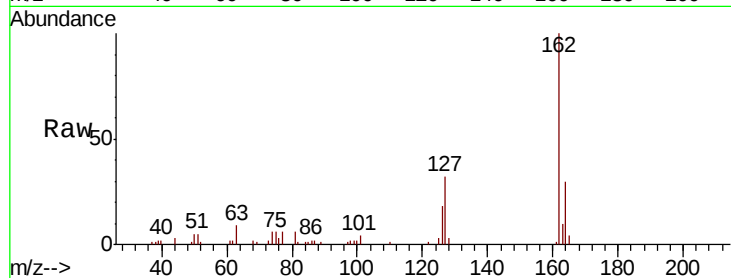




#47
2-Chloronaphthalene
Concen: 5.262 ng
RT: 13.62 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

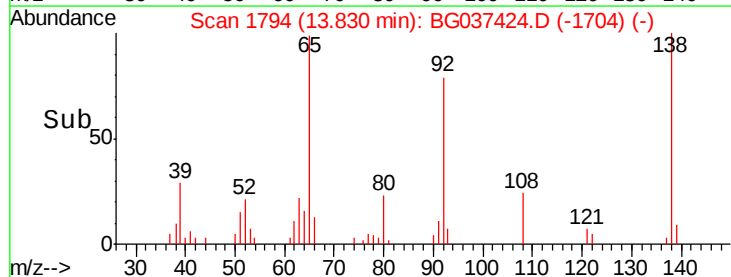
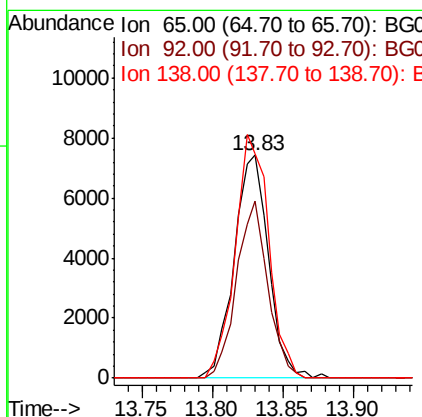
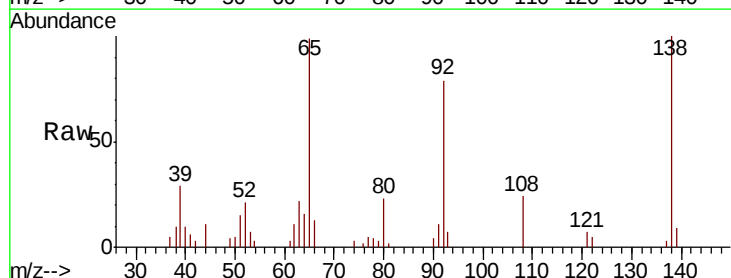
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion	Ratio	Lower	Upper
162	100		
127	32.0	30.5	45.7
164	29.7	26.4	39.6



#48
2-Nitroaniline
Concen: 4.318 ng
RT: 13.83 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion	Ratio	Lower	Upper
65	100		
92	79.8	53.2	79.8
138	100.6	79.3	118.9





#49

Acenaphthylene

Concen: 5.455 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

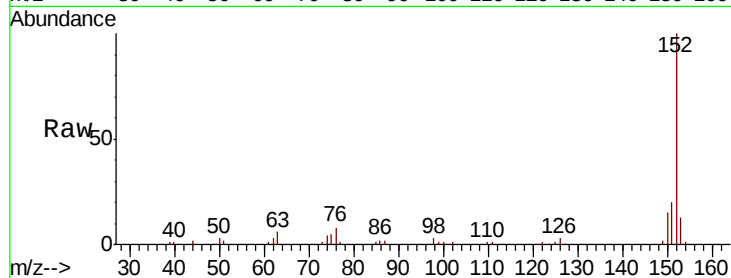
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:152 Resp: 79295

Ion	Ratio	Lower	Upper
152	100		
151	19.9	17.1	25.7
153	13.3	11.1	16.7

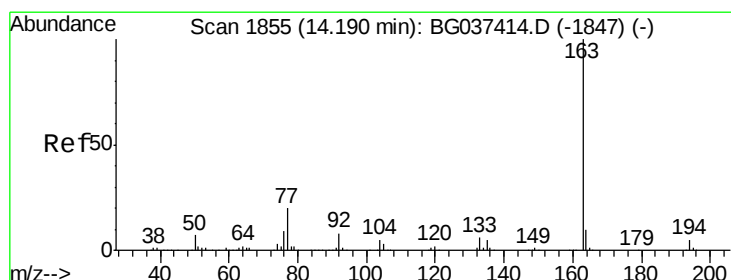
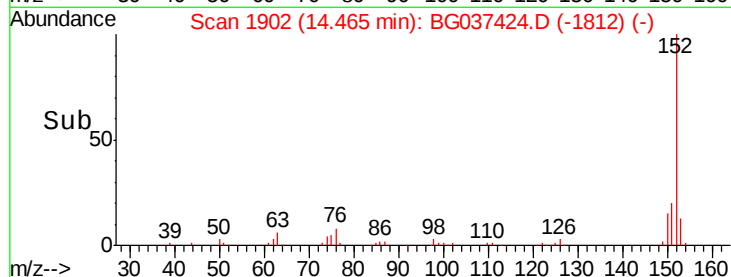
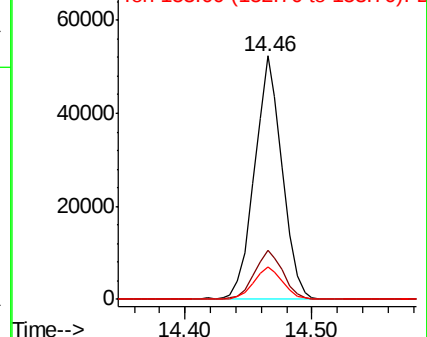


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 5.436 ng

RT: 14.19 min Scan# 1855

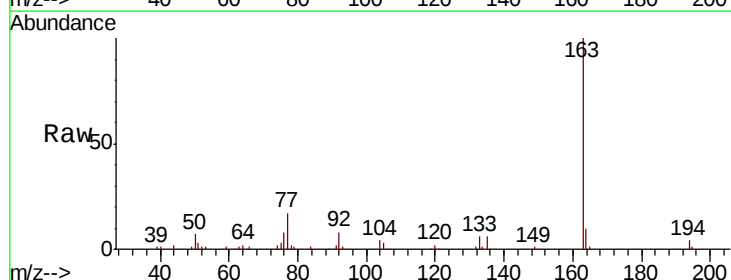
Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Tgt Ion:163 Resp: 64851

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.2	8.5	12.7

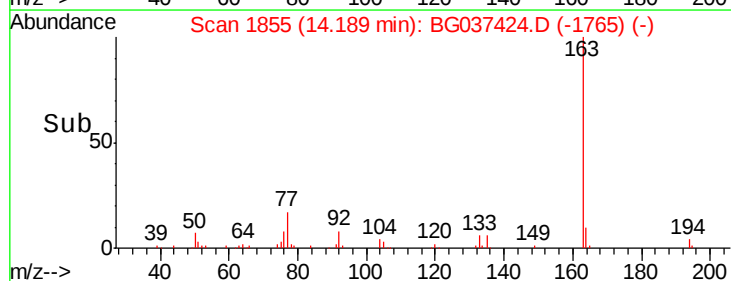
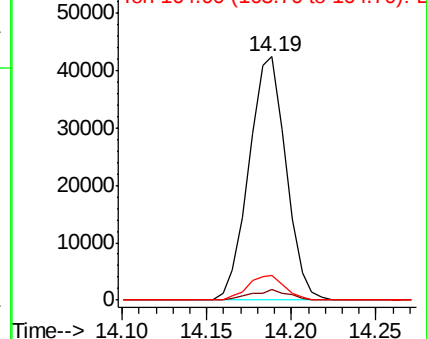


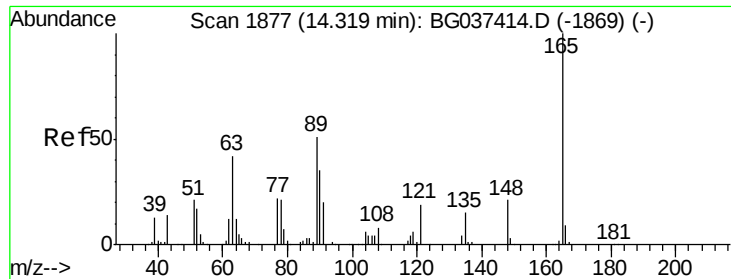
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 4.434 ng

RT: 14.32 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

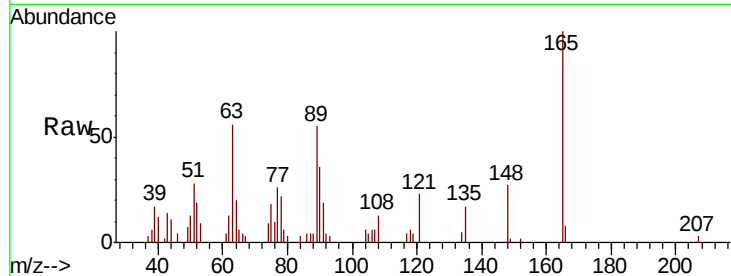
Tot Ion:165 Resp: 11702

Ion Ratio Lower Upper

165 100

63 55.8 43.4 65.2

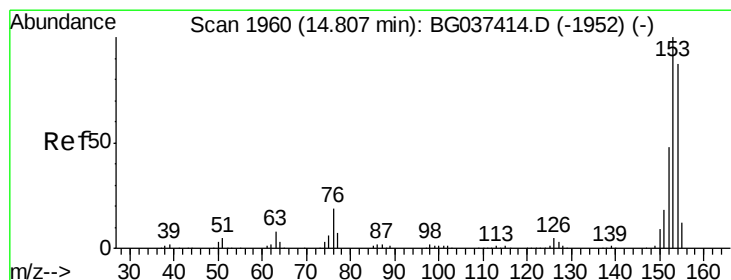
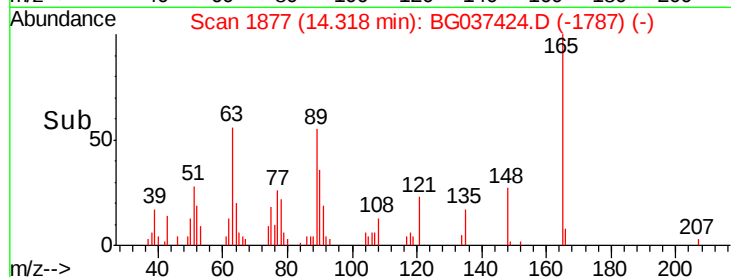
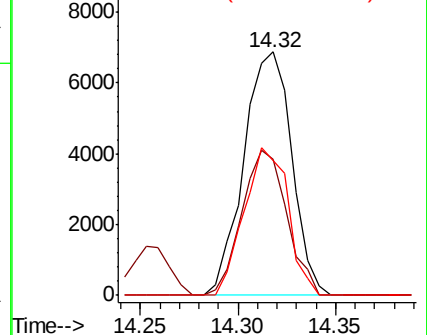
89 55.4 45.8 68.6



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52

Acenaphthene

Concen: 5.342 ng

RT: 14.81 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

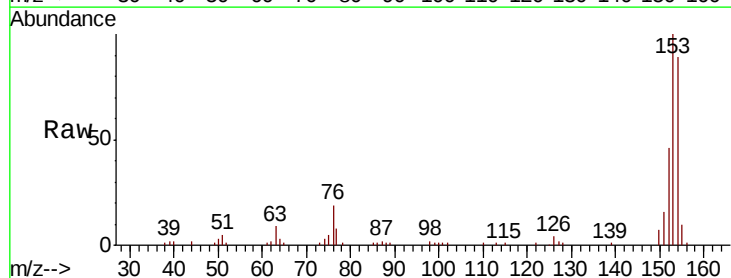
Tgt Ion:154 Resp: 47822

Ion Ratio Lower Upper

154 100

153 112.8 93.4 140.0

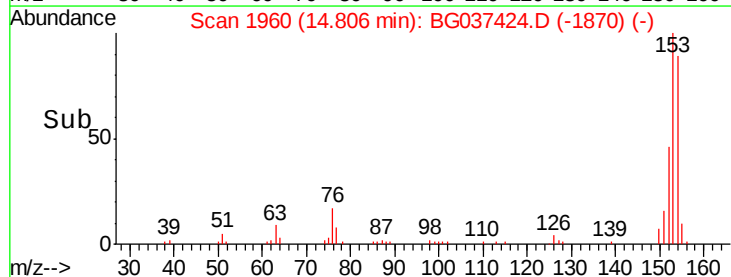
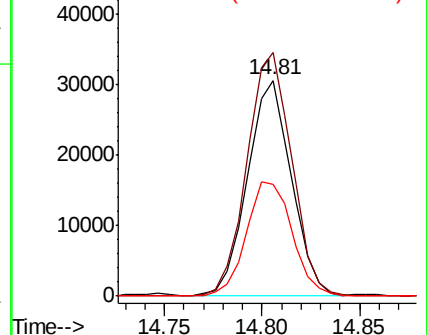
152 51.6 44.7 67.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 3.816 ng

RT: 14.65 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

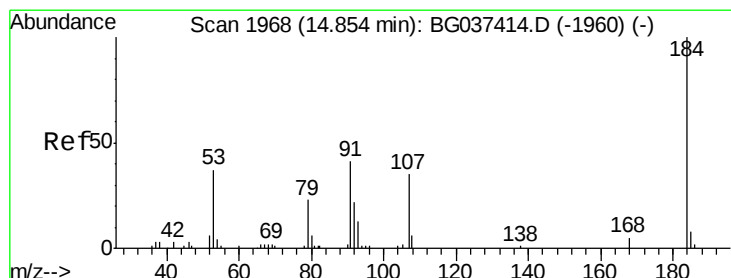
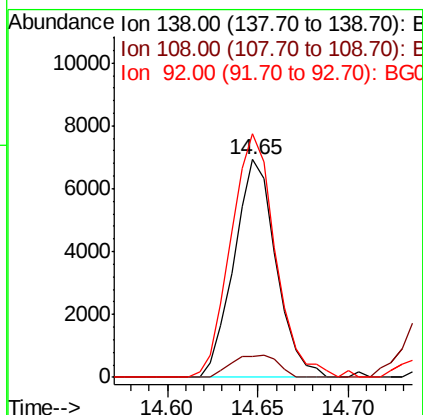
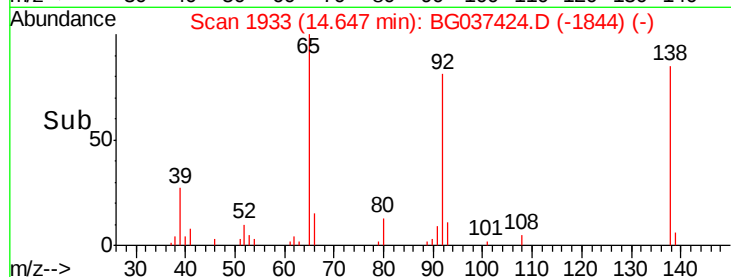
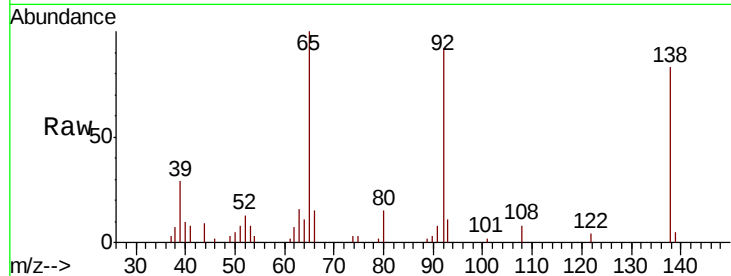
Tot Ion:138 Resp: 11182

Ion Ratio Lower Upper

138 100

108 9.5 11.0 16.6#

92 111.8 95.2 142.8



#54

2,4-Dinitrophenol

Concen: 7.020 ng

RT: 14.85 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

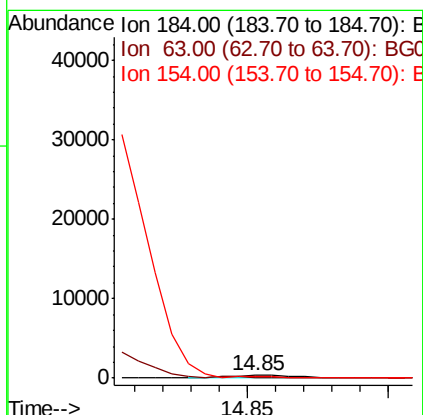
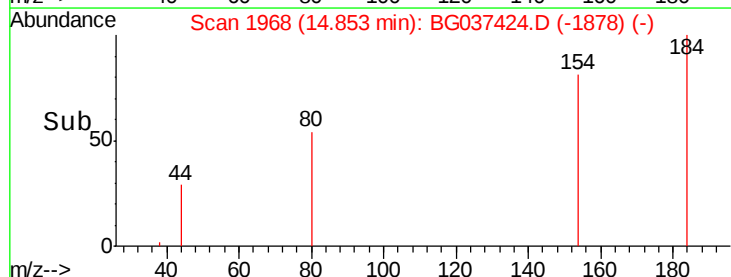
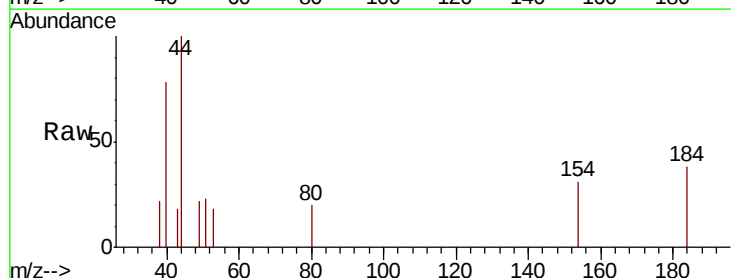
Tgt Ion:184 Resp: 550

Ion Ratio Lower Upper

184 100

63 0.0 42.6 63.8#

154 81.4 41.8 62.6#

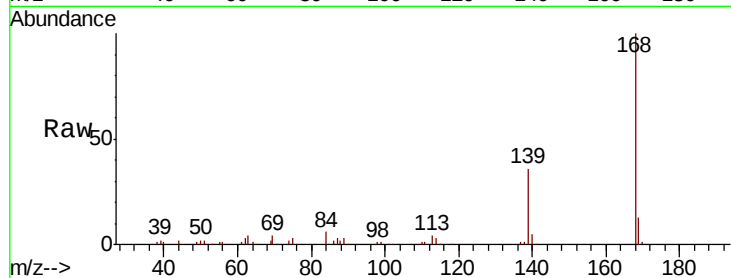




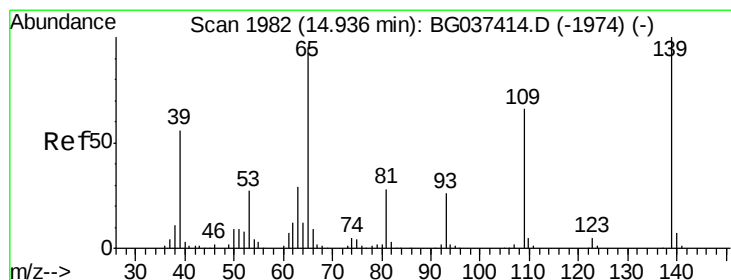
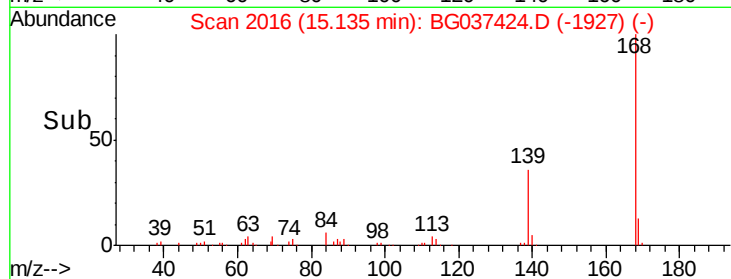
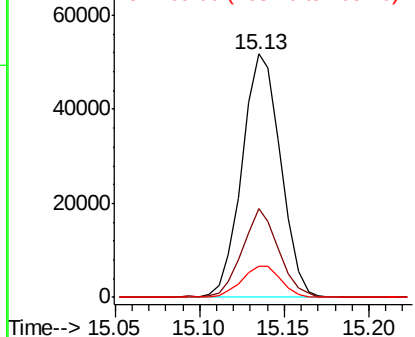
#55
Dibenzenofuran
Concen: 5.543 ng
RT: 15.13 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:168 Resp: 82214
Ion Ratio Lower Upper
168 100
139 36.3 29.4 44.0
169 12.6 11.0 16.6

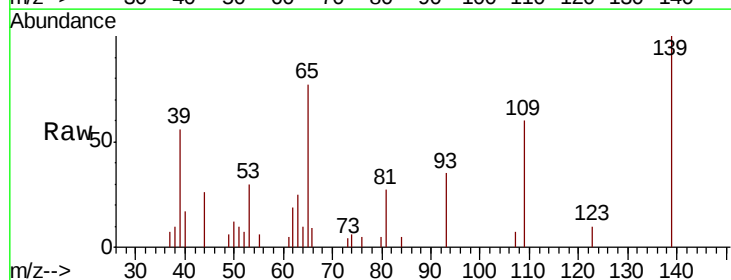


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

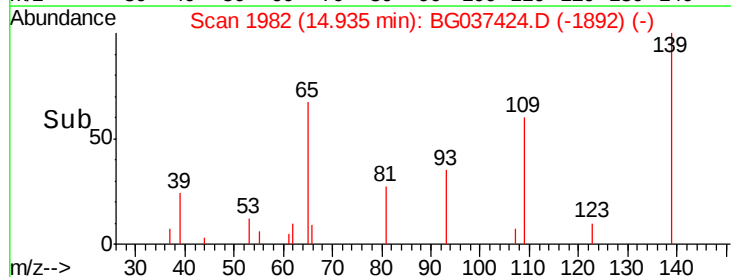
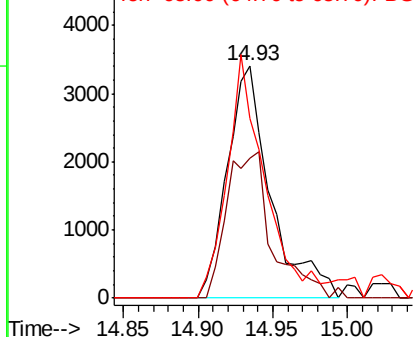


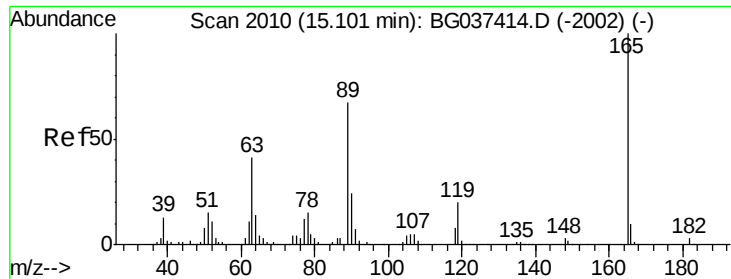
#56
4-Nitrophenol
Concen: 3.190 ng
RT: 14.93 min Scan# 1882
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion:139 Resp: 6918
Ion Ratio Lower Upper
139 100
109 60.2 49.5 89.5
65 77.2 76.8 116.8



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGO

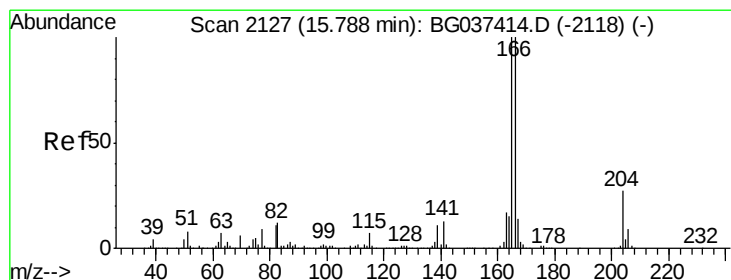
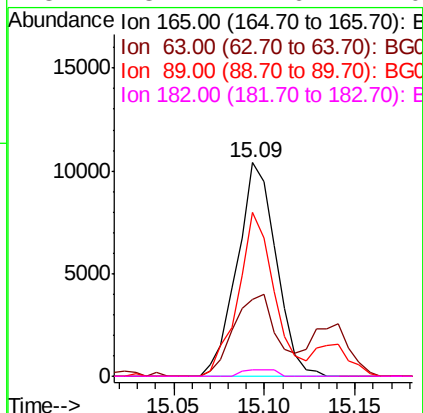
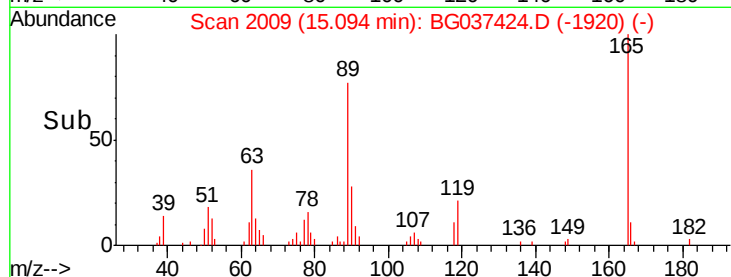
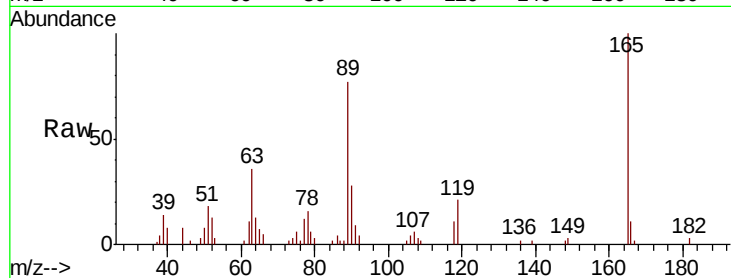




#57
2,4-Dinitrotoluene
Concen: 4.501 ng
RT: 15.09 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

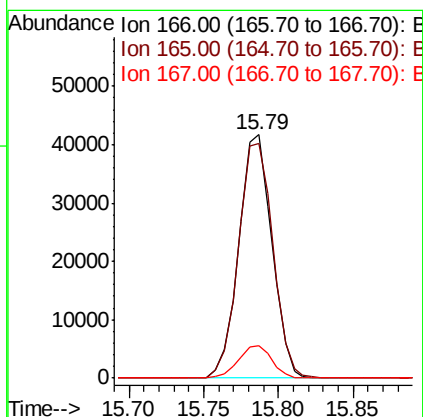
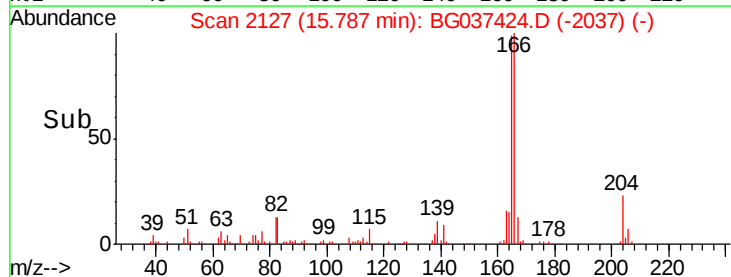
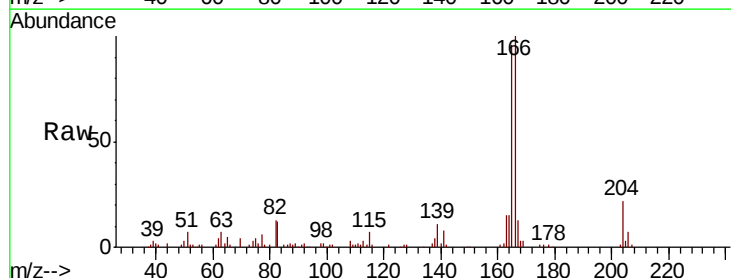
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion	Ratio	Lower	Upper
165	100		
63	35.7	33.4	50.0
89	77.0	57.2	85.8
182	3.1	2.6	4.0



#58
Fluorene
Concen: 5.773 ng
RT: 15.79 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.4	79.0	118.6
167	13.5	11.3	16.9

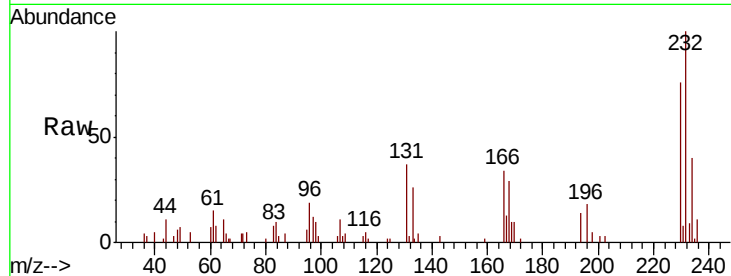




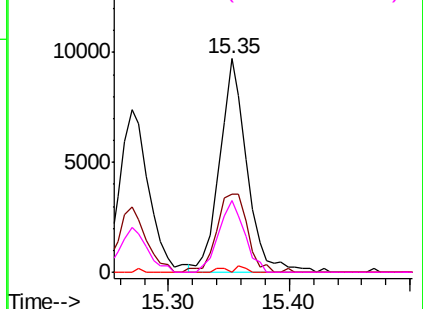
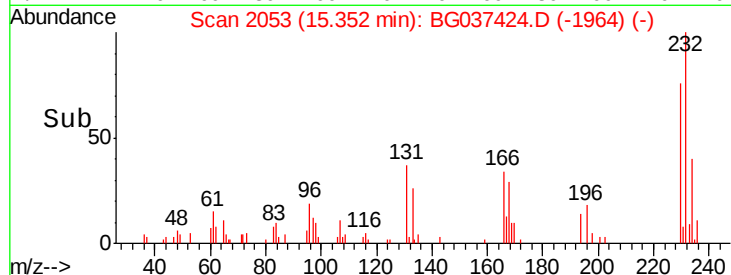
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.904 ng
RT: 15.35 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:232 Resp: 15194
Ion Ratio Lower Upper
232 100
131 41.0 33.7 50.5
130 1.1 2.1 3.1#
166 31.7 24.6 36.8

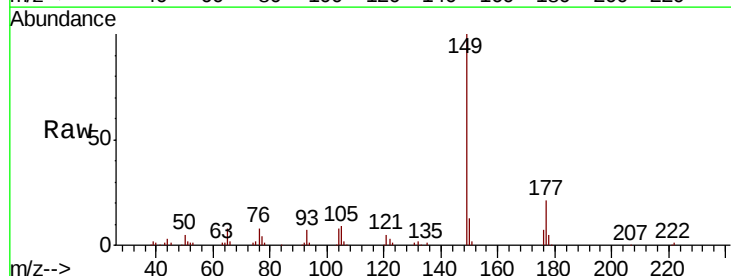


Abundance Ion 232.00 (231.70 to 232.70): E
15000 Ion 131.00 (130.70 to 131.70): E
10000 Ion 130.00 (129.70 to 130.70): E
5000 Ion 166.00 (165.70 to 166.70): E

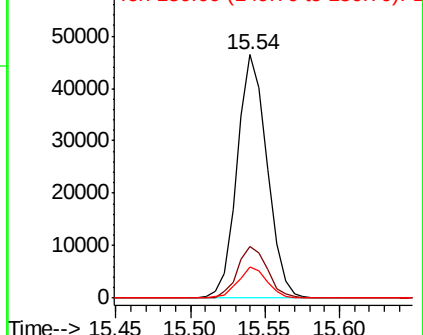
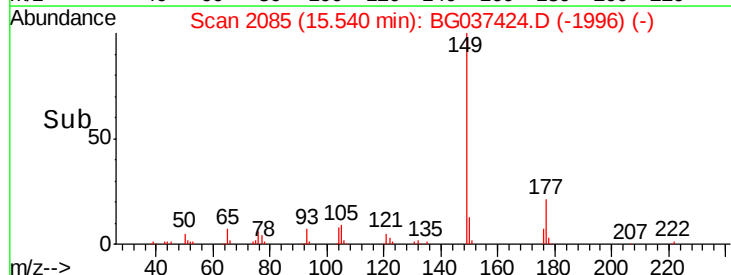


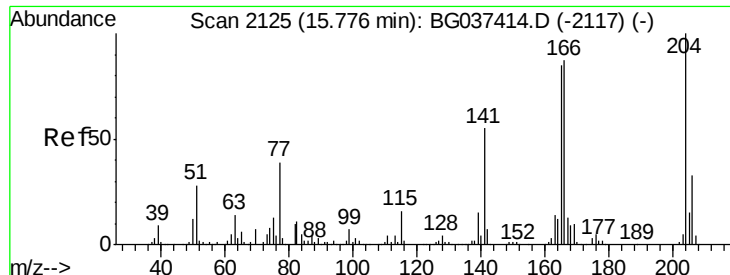
#60
Diethylphthalate
Concen: 5.289 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion:149 Resp: 64779
Ion Ratio Lower Upper
149 100
177 21.1 18.3 27.5
150 12.6 10.0 15.0



Abundance Ion 149.00 (148.70 to 149.70): E
60000 Ion 177.00 (176.70 to 177.70): E
50000 Ion 150.00 (149.70 to 150.70): E

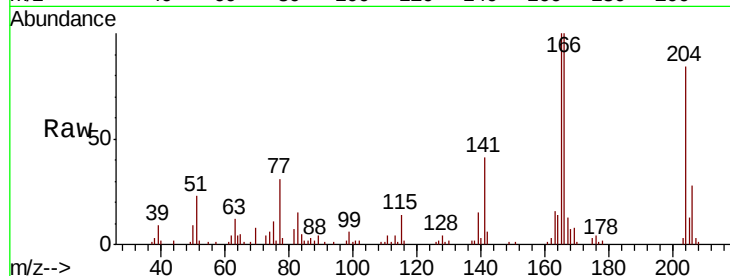




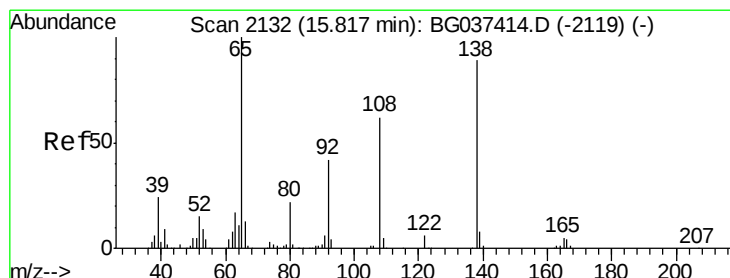
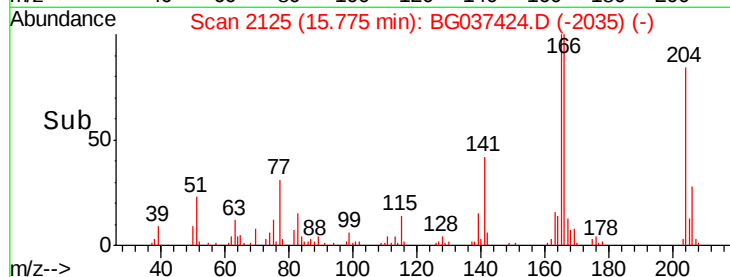
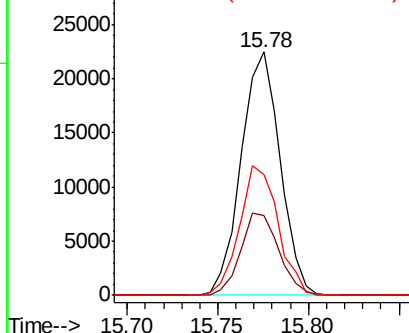
#61
4-Chlorophenyl-phenylether
Concen: 5.194 ng
RT: 15.78 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:204 Resp: 33623
Ion Ratio Lower Upper
204 100
206 32.8 26.6 39.8
141 49.4 45.4 68.2

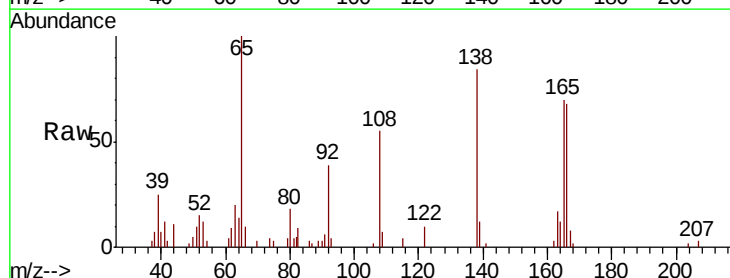


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

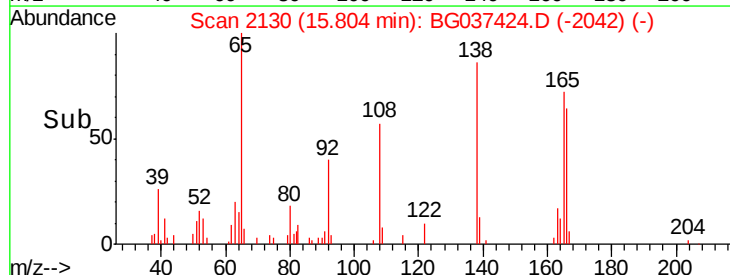
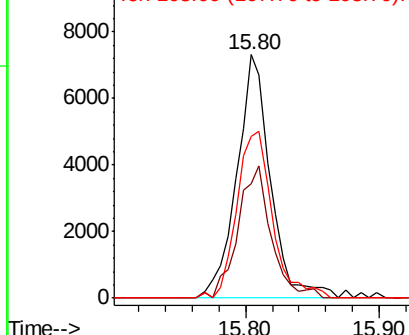


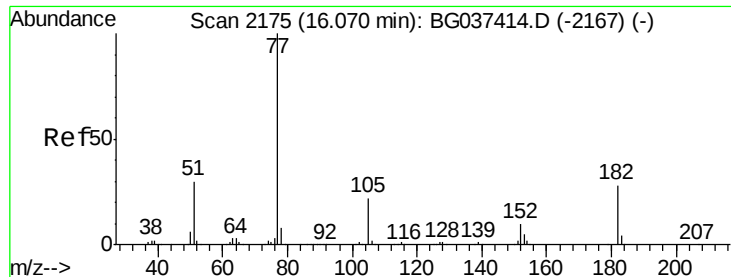
#62
4-Nitroaniline
Concen: 4.366 ng
RT: 15.80 min Scan# 2130
Delta R.T. -0.01 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion:138 Resp: 12712
Ion Ratio Lower Upper
138 100
92 46.8 36.4 76.4
108 66.2 60.1 100.1



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 5.355 ng

RT: 16.07 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion: 77 Resp: 62578

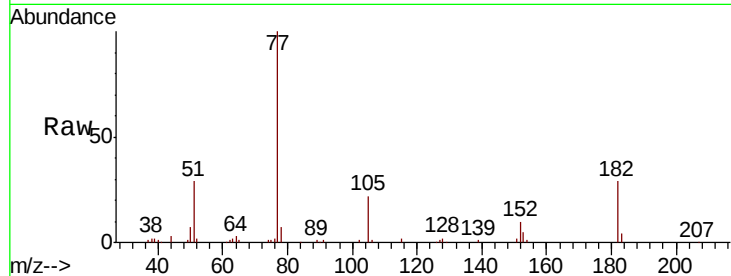
Ion Ratio Lower Upper

77 100

182 28.9 8.0 48.0

105 22.4 1.3 41.3

51 29.0 10.7 50.7

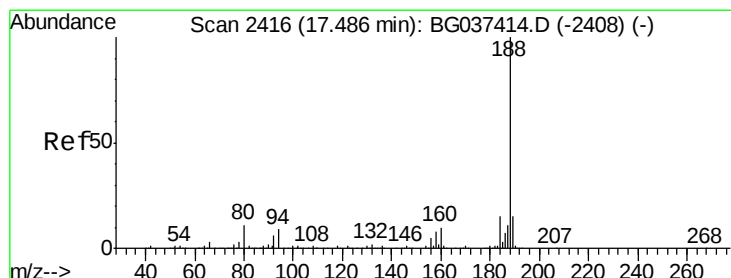
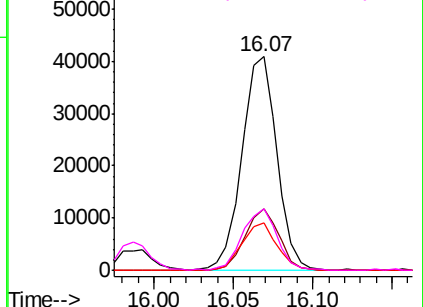
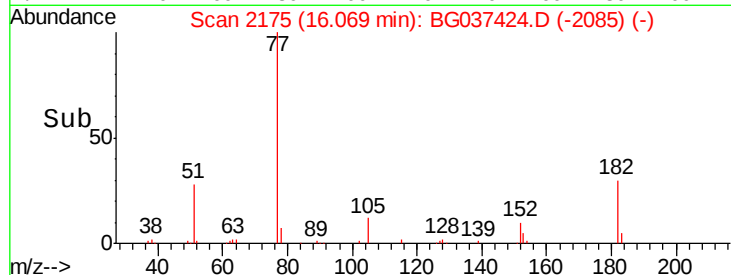


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

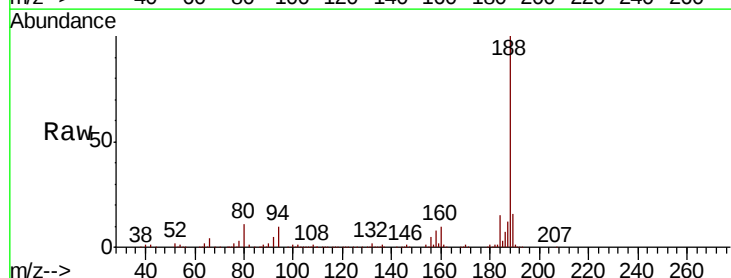
Tgt Ion: 188 Resp: 384995

Ion Ratio Lower Upper

188 100

94 10.1 7.2 10.8

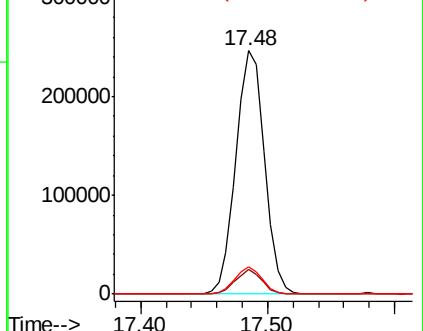
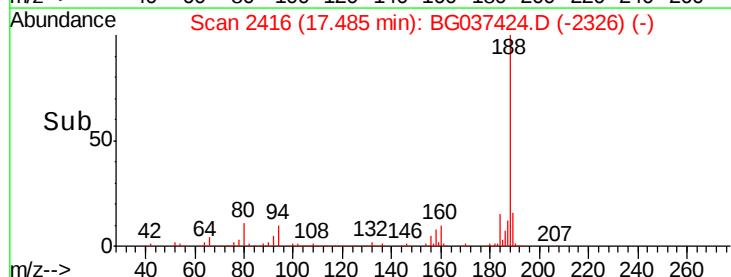
80 11.2 7.7 11.5

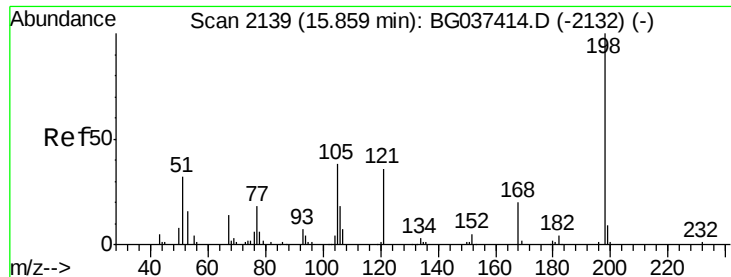


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

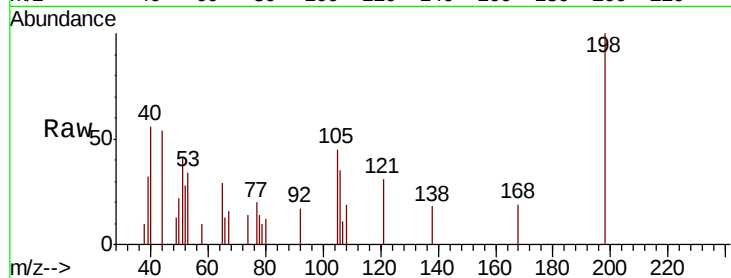




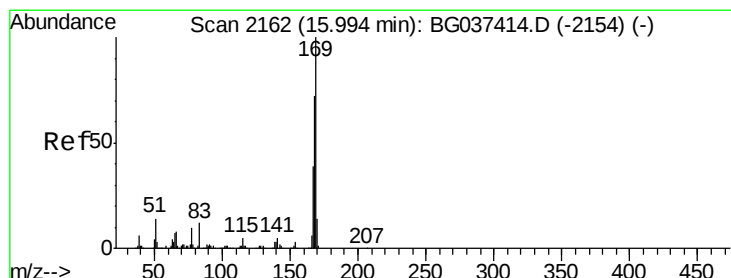
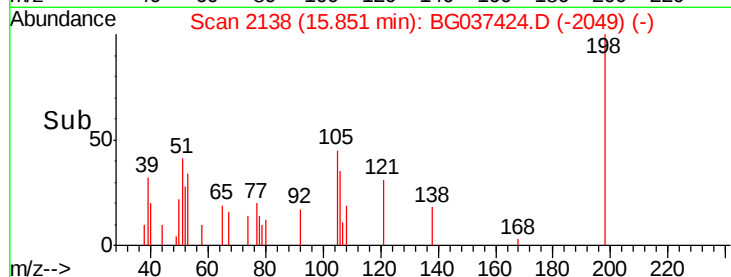
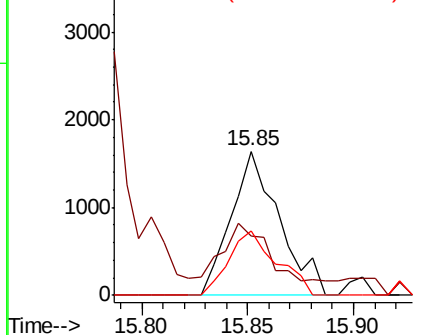
#65
4,6-Dinitro-2-methylphenol
Concen: 9.564 ng
RT: 15.85 min Scan# 2138
Delta R.T. -0.01 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:198 Resp: 2595
Ion Ratio Lower Upper
198 100
51 40.9 22.7 62.7
105 44.8 19.7 59.7

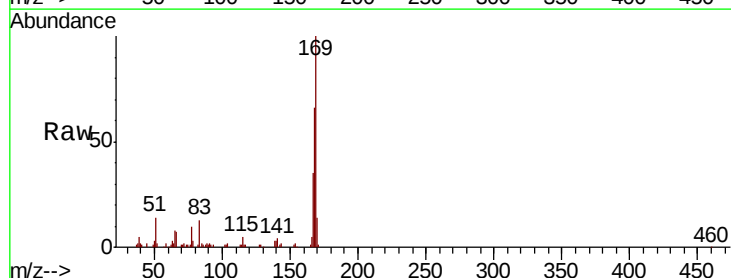


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

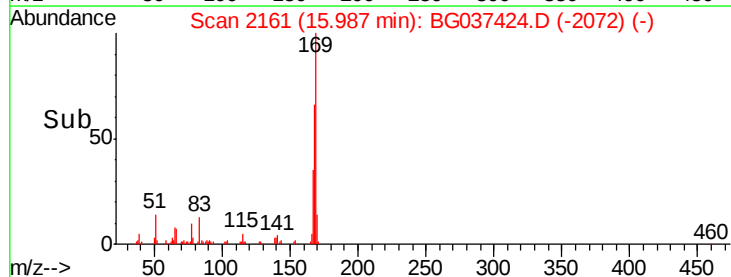
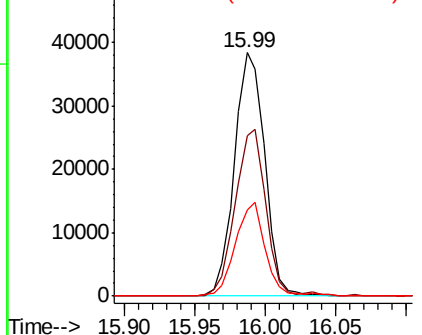


#66
n-Nitrosodiphenylamine
Concen: 4.962 ng
RT: 15.99 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion:169 Resp: 57465
Ion Ratio Lower Upper
169 100
168 66.1 55.7 83.5
167 35.2 31.3 46.9



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

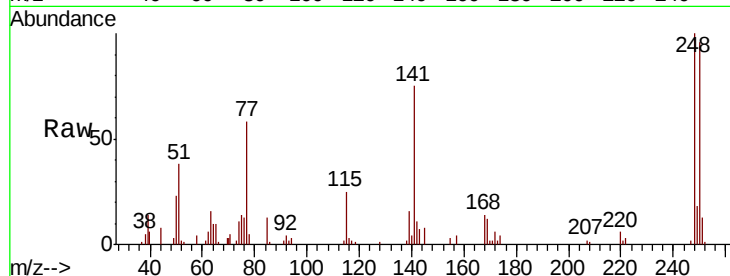




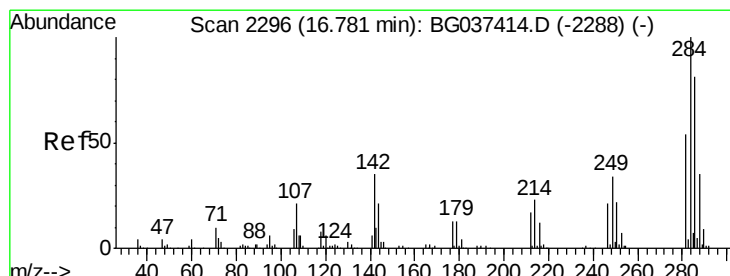
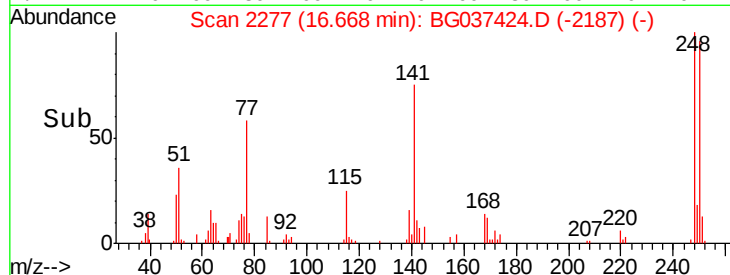
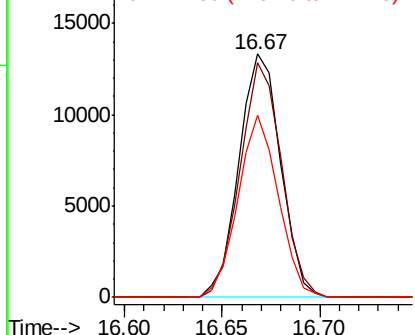
#67
4-Bromophenyl-phenylether
Concen: 4.652 ng
RT: 16.67 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:248 Resp: 19668
Ion Ratio Lower Upper
248 100
250 96.3 77.0 115.6
141 75.0 55.5 83.3

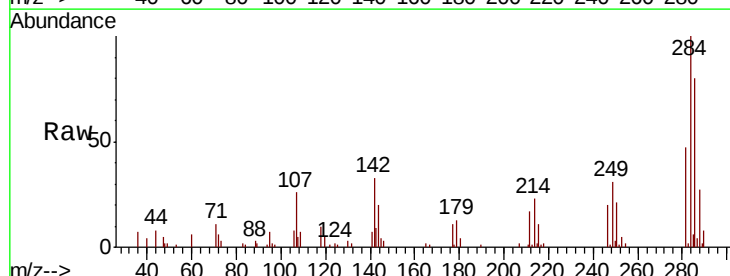


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

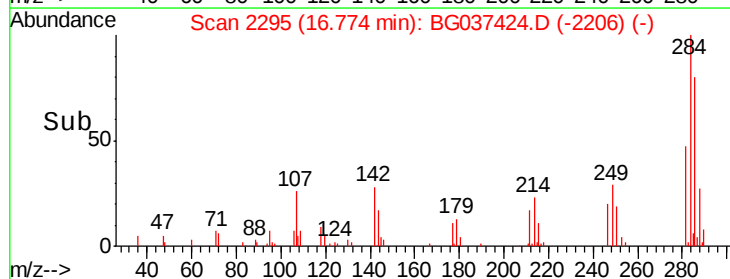
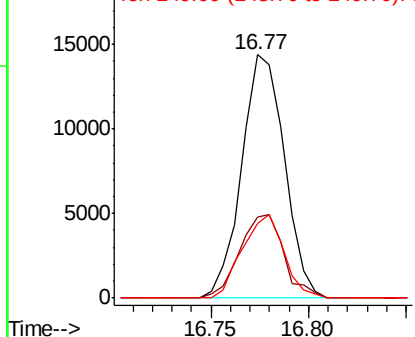


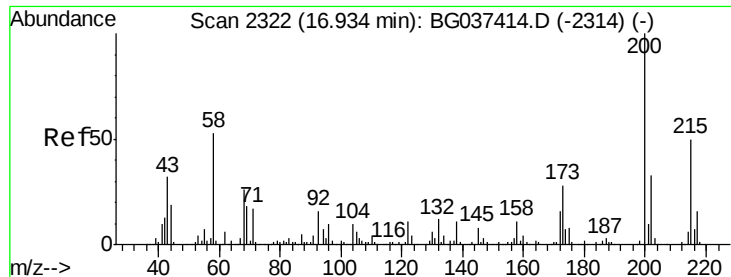
#68
Hexachlorobenzene
Concen: 4.989 ng
RT: 16.77 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion:284 Resp: 21860
Ion Ratio Lower Upper
284 100
142 33.5 28.1 42.1
249 30.6 29.8 44.8



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

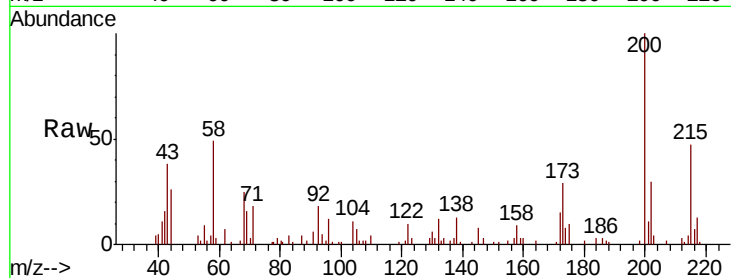




#69
Atrazine
Concen: 4.665 ng
RT: 16.93 min Scan# 2321
Delta R.T. -0.01 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.9	6.1	46.1
215	47.2	30.8	70.8

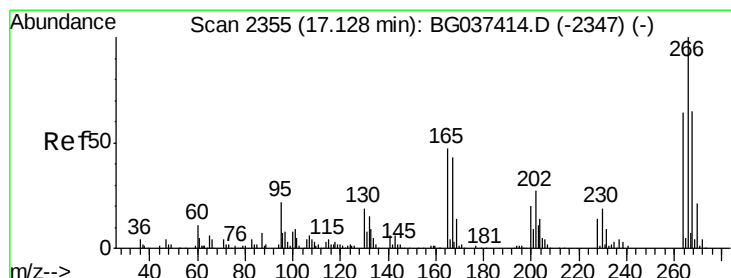
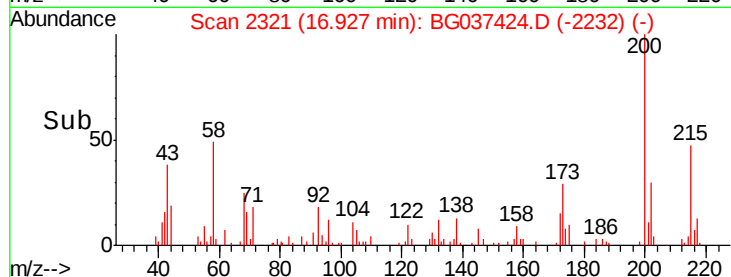
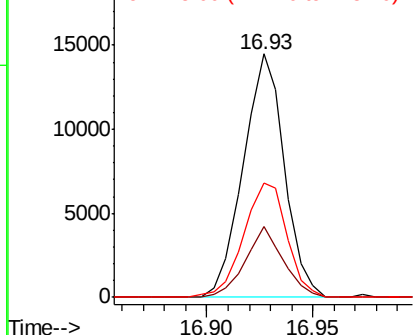


Abundance

Ion 200.00 (199.70 to 200.70): E

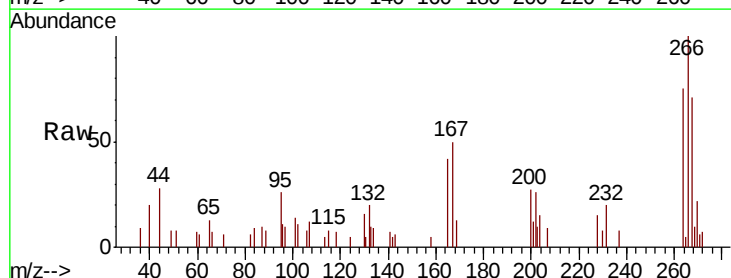
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 1.952 ng
RT: 17.12 min Scan# 2354
Delta R.T. -0.01 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion	Ratio	Lower	Upper
266	100		
268	80.0	55.0	82.6
264	79.8	58.9	88.3

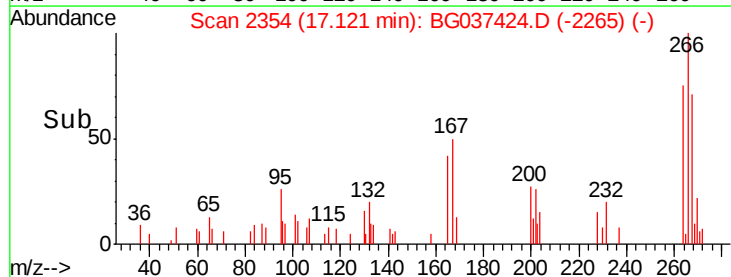
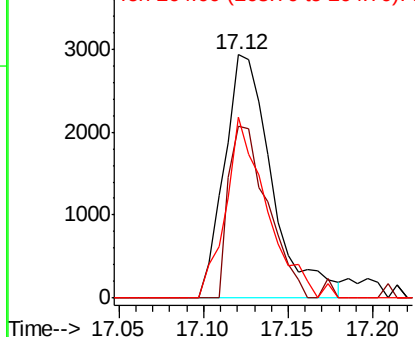


Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

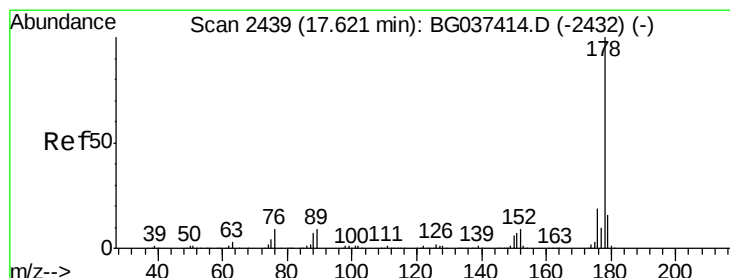
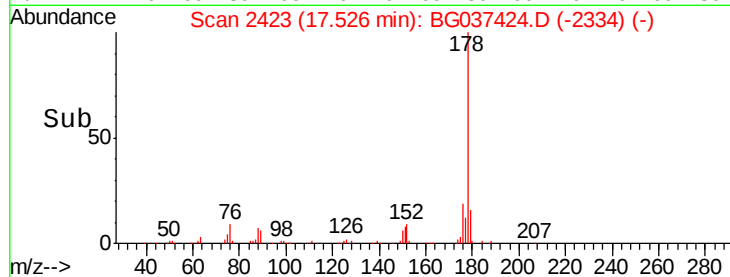
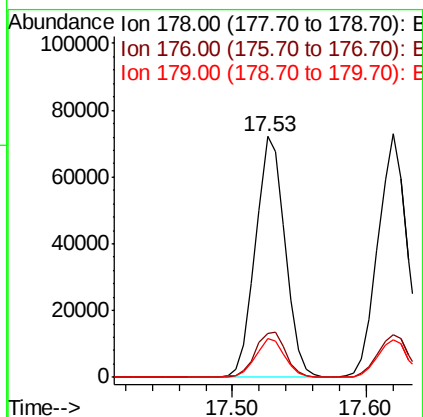
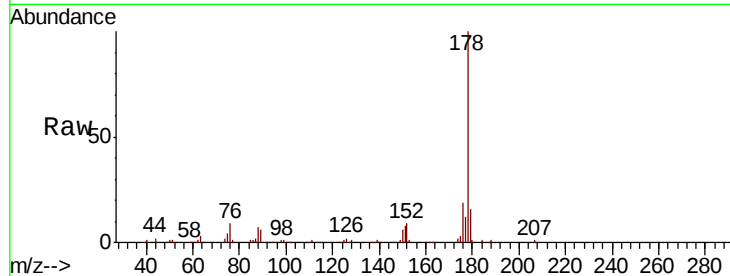




#71
Phenanthrene
Concen: 5.622 ng
RT: 17.53 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

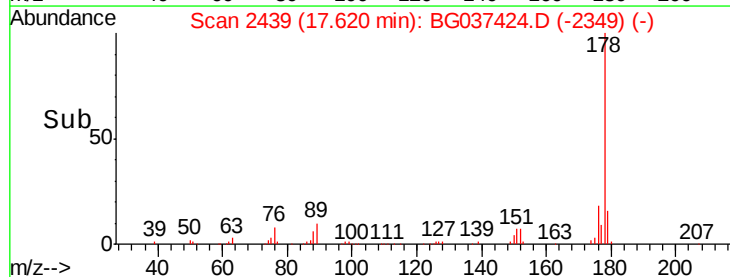
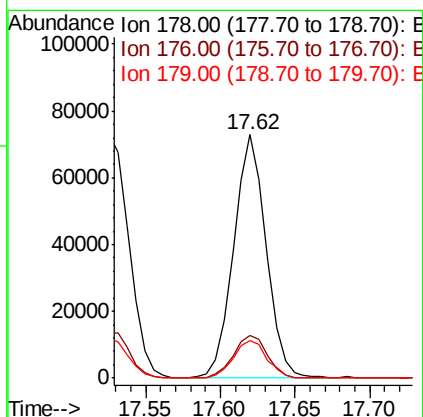
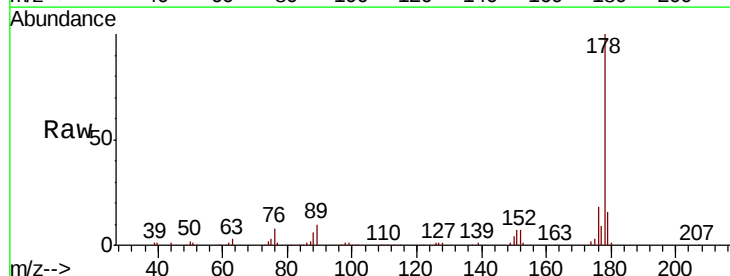
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:178 Resp: 110003
Ion Ratio Lower Upper
178 100
176 18.5 16.1 24.1
179 16.0 13.0 19.4



#72
Anthracene
Concen: 5.708 ng
RT: 17.62 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion:178 Resp: 109596
Ion Ratio Lower Upper
178 100
176 17.5 15.0 22.4
179 15.7 12.8 19.2





#73

Carbazole

Concen: 5.013 ng

RT: 17.89 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

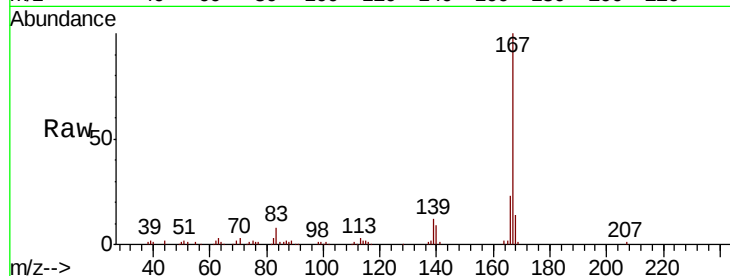
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:167 Resp: 96297

Ion	Ratio	Lower	Upper
167	100		
166	22.7	18.3	27.5
139	11.7	10.5	15.7

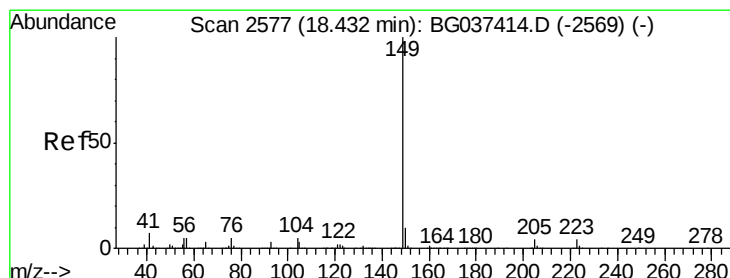
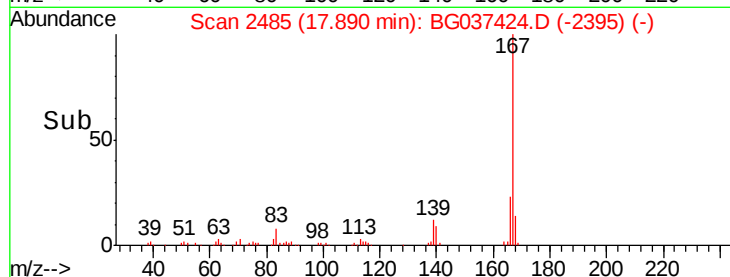
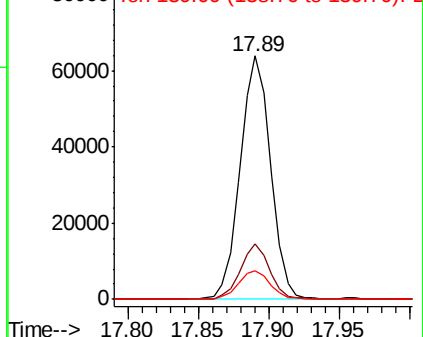


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 5.059 ng

RT: 18.43 min Scan# 2577

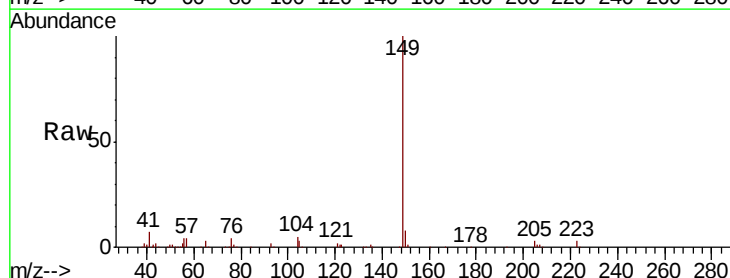
Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Tgt Ion:149 Resp: 108090

Ion	Ratio	Lower	Upper
149	100		
150	8.4	8.2	12.2
104	4.6	4.0	6.0

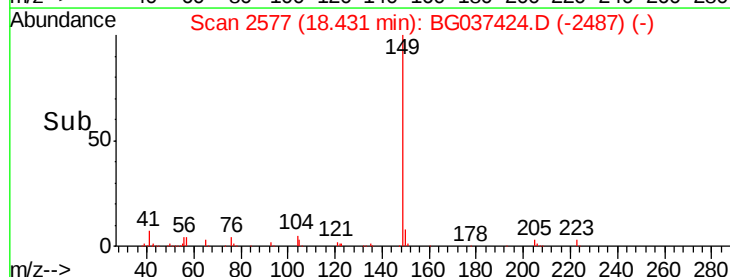
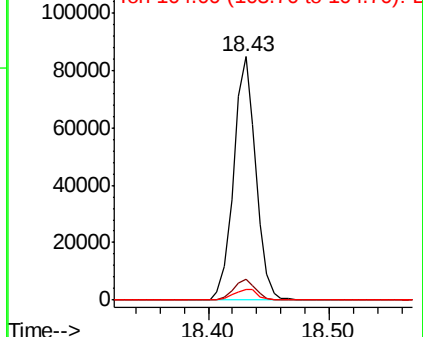


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 5.669 ng

RT: 19.53 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

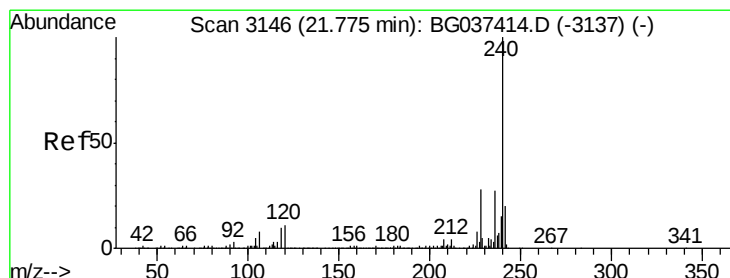
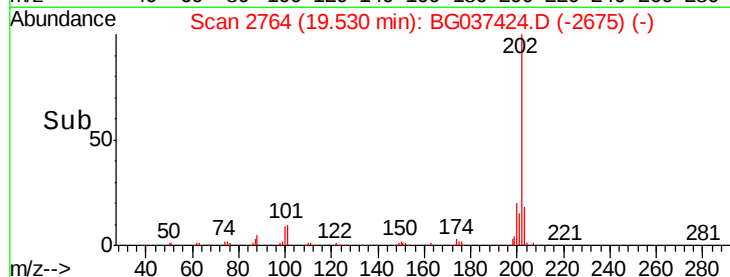
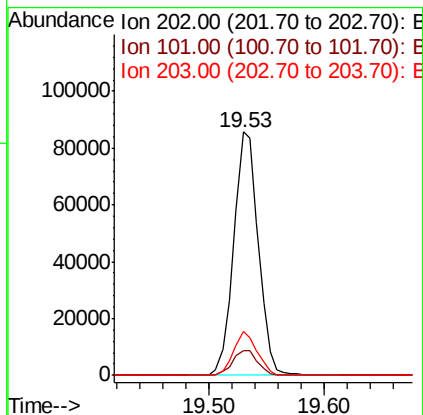
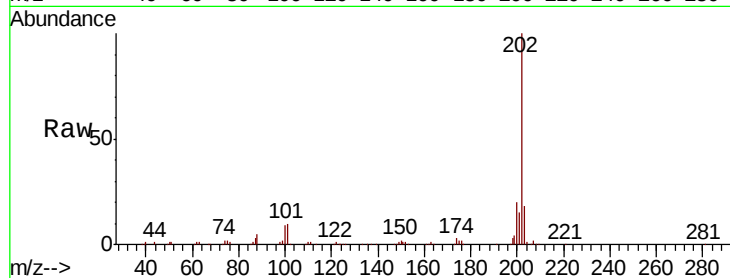
Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:	202	Resp:	125814
Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.7
203	18.1	0.0	38.5



#76

Chrysene-d12

Concen: 20.000 ng

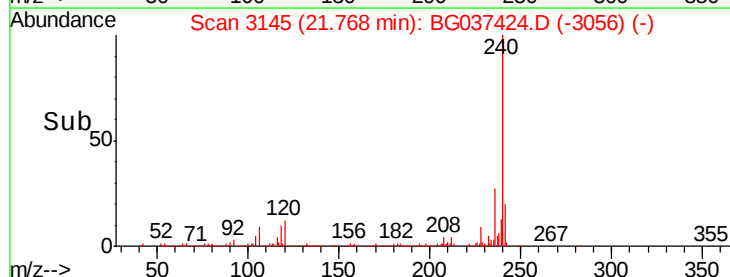
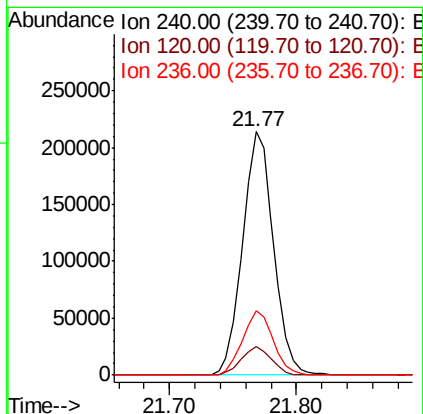
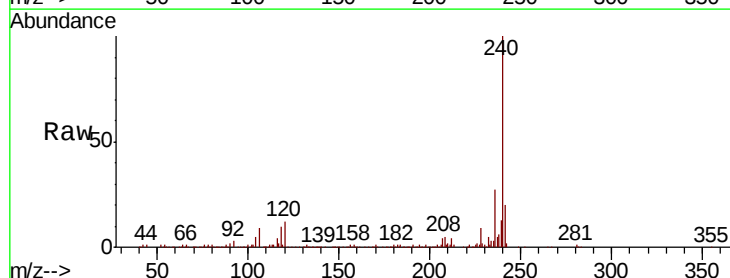
RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Tgt Ion:	240	Resp:	362068
Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.1	12.1
236	26.5	21.4	32.0





#77

Benzidine

Concen: 1.095 ng

RT: 19.72 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

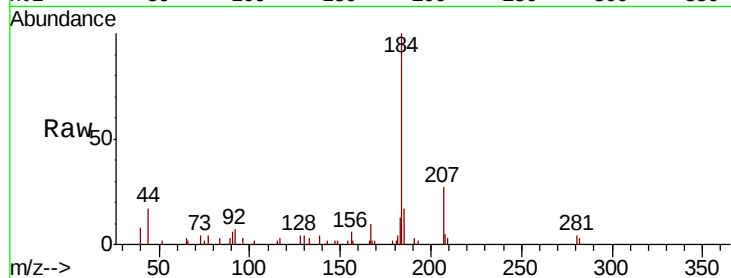
Tot Ion:184 Resp: 13480

Ion Ratio Lower Upper

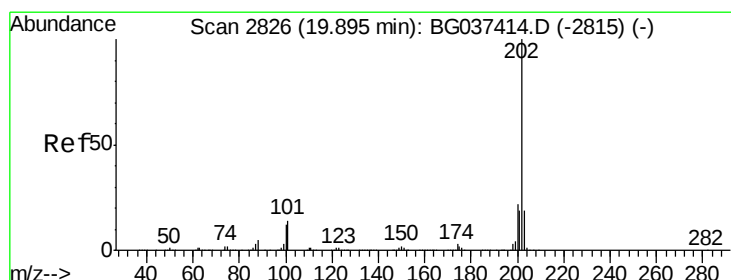
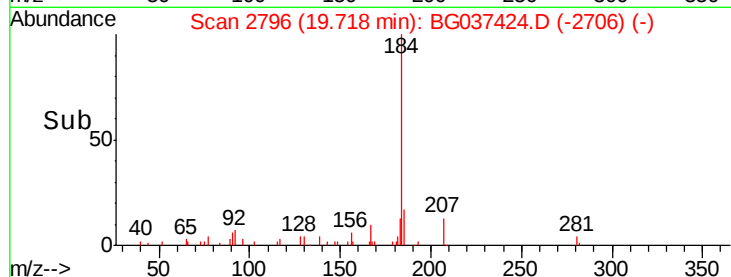
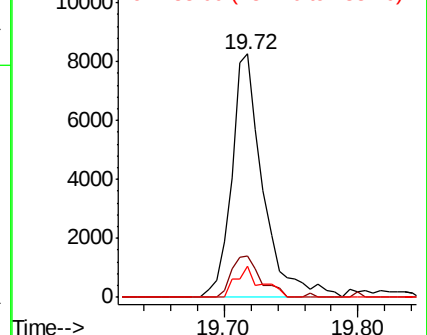
184 100

185 16.7 12.6 18.8

183 12.9 10.2 15.2



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 5.390 ng

RT: 19.89 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

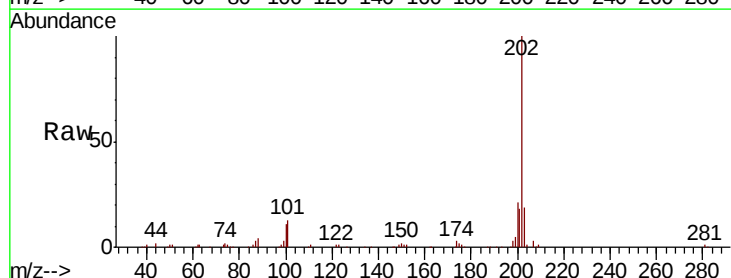
Tgt Ion:202 Resp: 127579

Ion Ratio Lower Upper

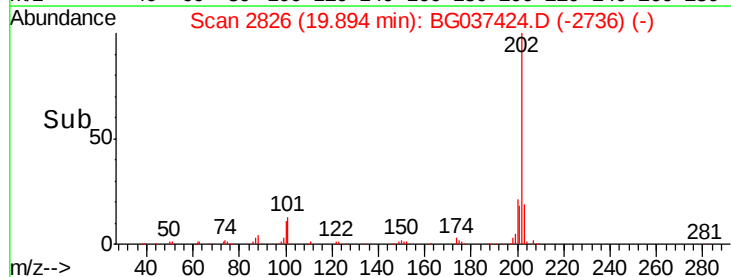
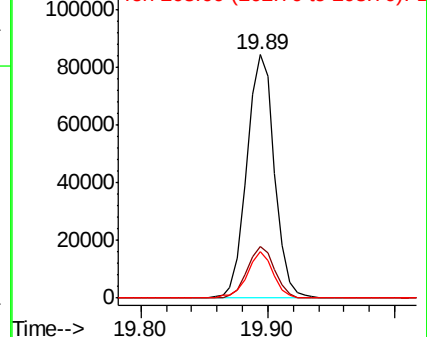
202 100

200 21.1 17.8 26.6

203 19.0 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 78.959 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

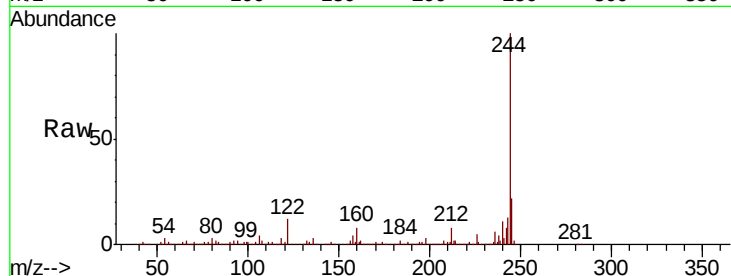
Tot Ion:244 Resp: 1337937

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

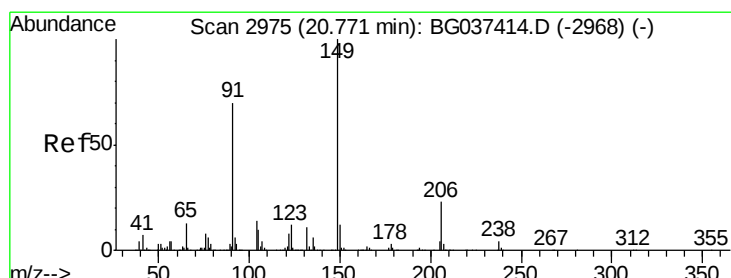
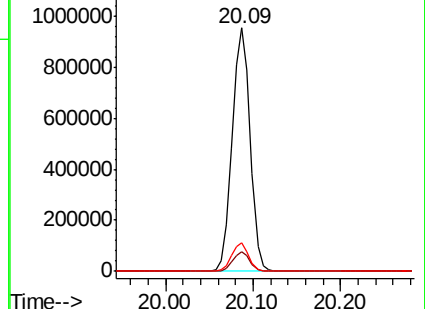
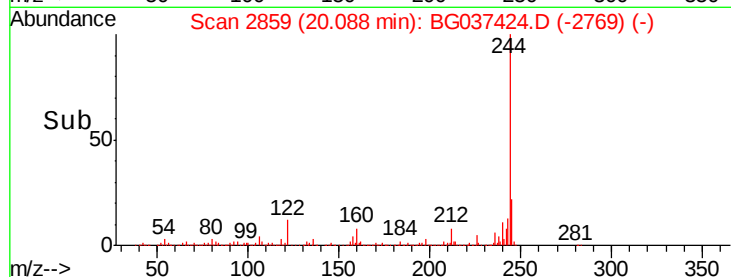
122 11.5 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 4.480 ng

RT: 20.77 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

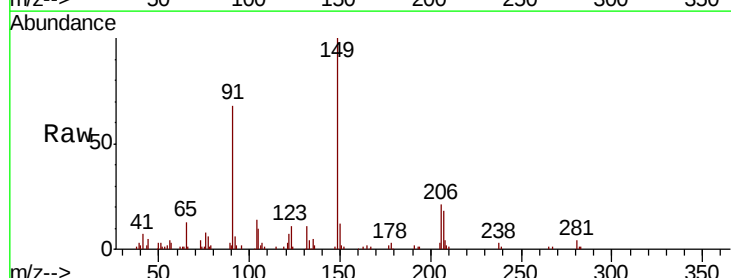
Tgt Ion:149 Resp: 43393

Ion Ratio Lower Upper

149 100

91 68.3 57.0 85.4

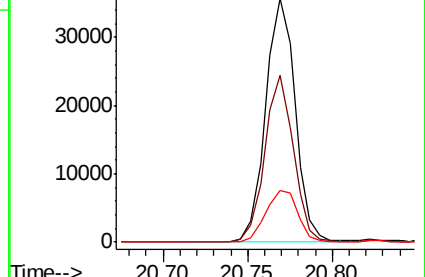
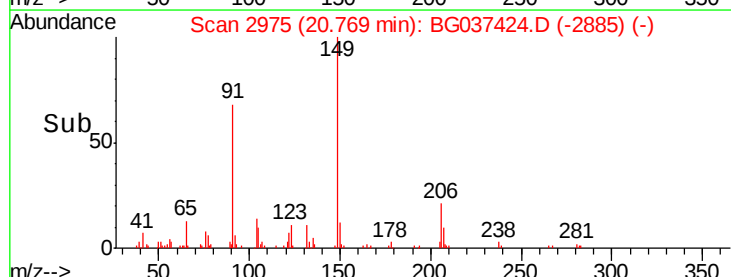
206 21.3 17.8 26.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

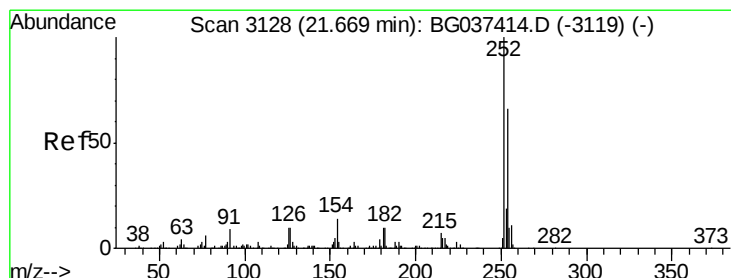
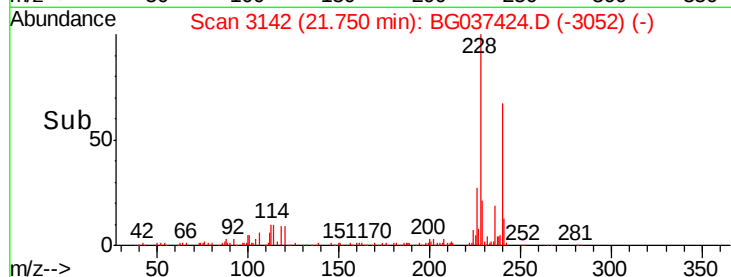
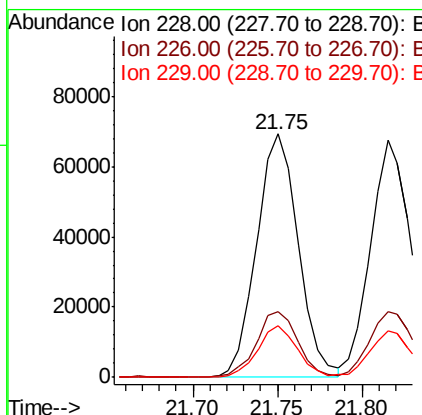
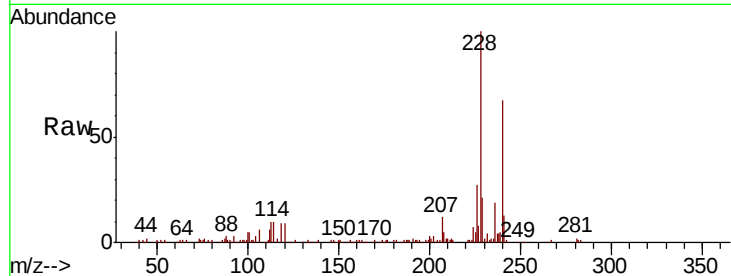




#81
Benzo(a)anthracene
Concen: 5.540 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

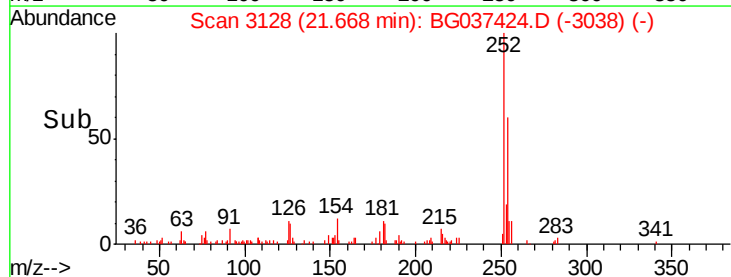
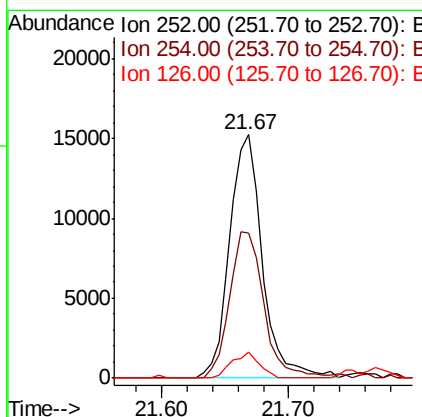
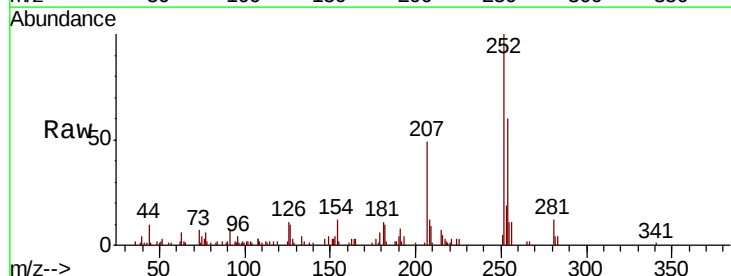
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

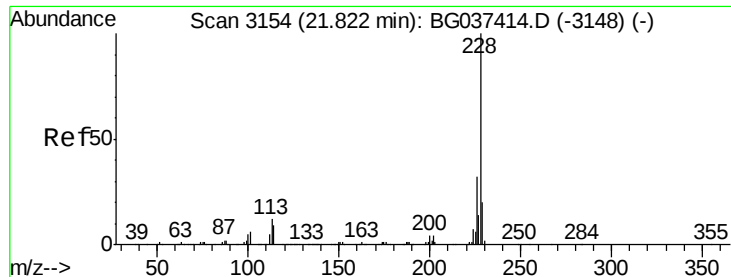
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	21.3	16.3	24.5



#82
3,3'-Dichlorobenzidine
Concen: 3.281 ng
RT: 21.67 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion	Ratio	Lower	Upper
252	100		
254	59.7	52.0	78.0
126	10.7	8.2	12.4





#83

Chrysene

Concen: 5.523 ng

RT: 21.82 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

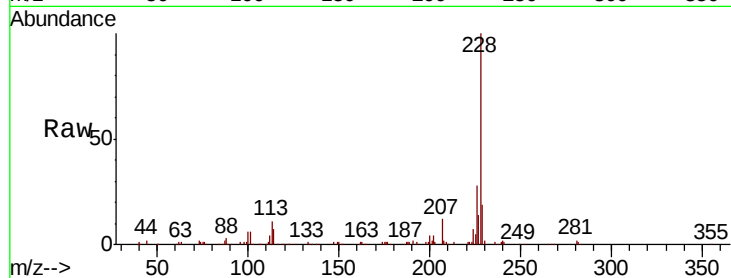
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:228 Resp: 113729

Ion	Ratio	Lower	Upper
228	100		
226	27.6	25.7	38.5
229	19.4	16.5	24.7

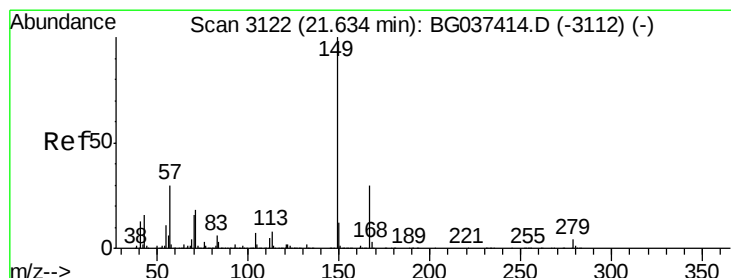
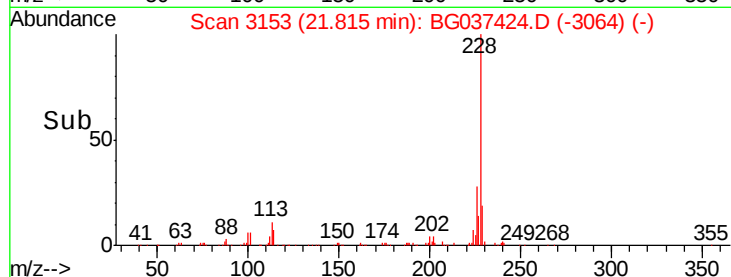
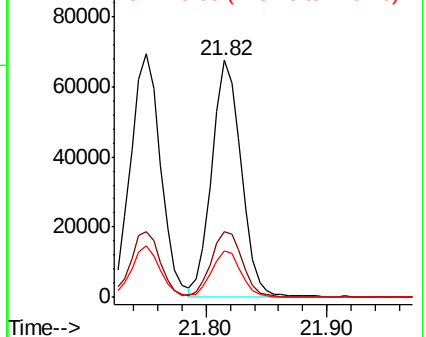


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.392 ng

RT: 21.63 min Scan# 3122

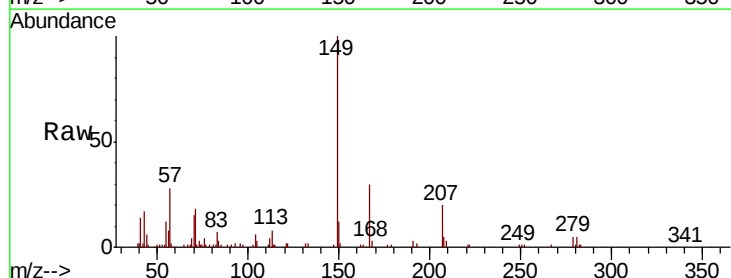
Delta R.T. -0.00 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Tgt Ion:149 Resp: 59628

Ion	Ratio	Lower	Upper
149	100		
167	30.3	23.0	34.4
279	4.9	3.6	5.4

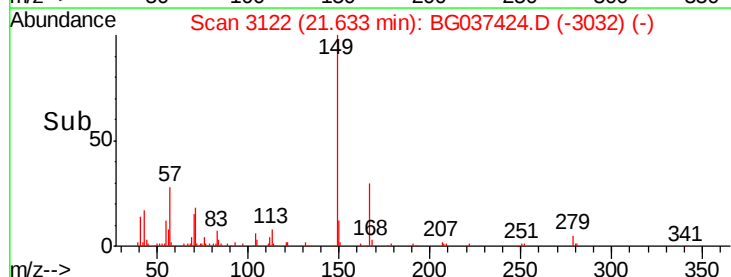
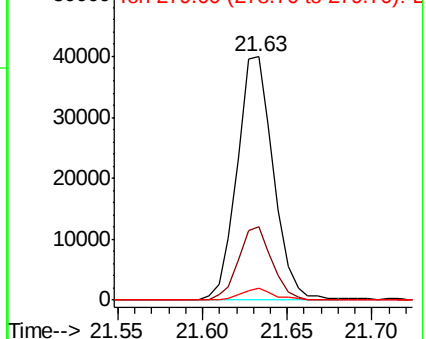


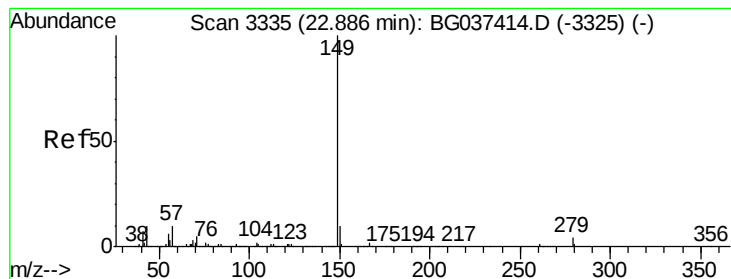
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 4.433 ng

RT: 22.88 min Scan# 3334

Delta R.T. -0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

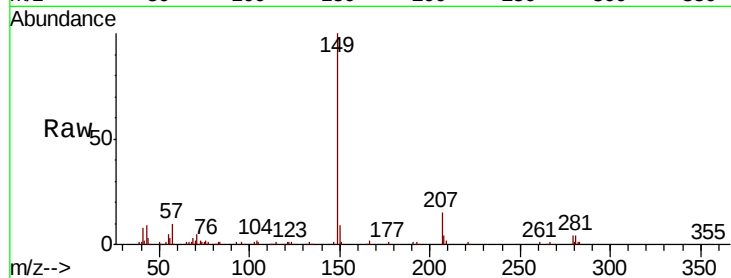
Tot Ion:149 Resp: 98144

Ion Ratio Lower Upper

149 100

167 1.3 1.3 1.9

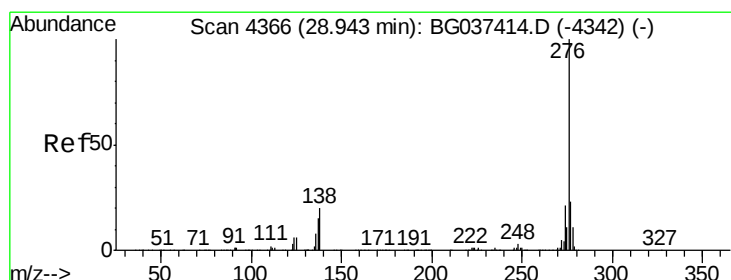
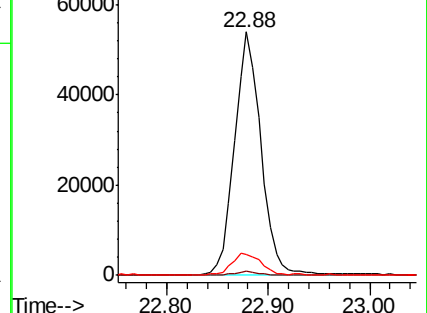
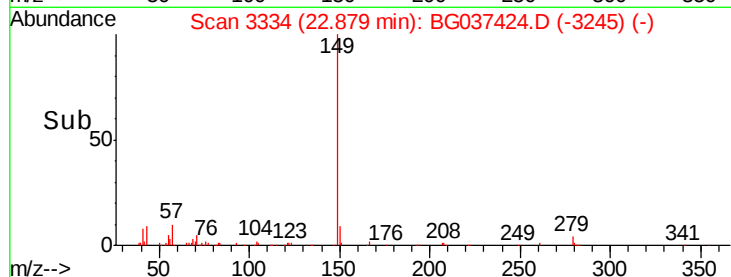
43 10.3 8.7 13.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.374 ng

RT: 28.92 min Scan# 4363

Delta R.T. -0.02 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

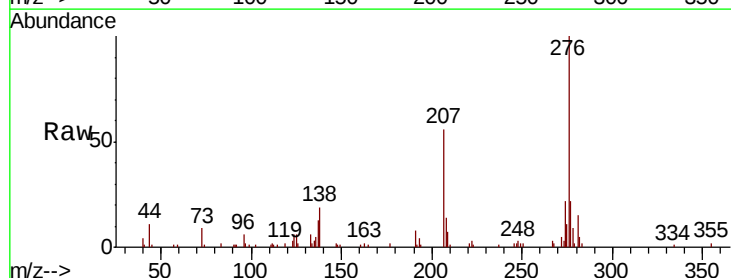
Tgt Ion:276 Resp: 96617

Ion Ratio Lower Upper

276 100

138 0.0 12.0 18.0#

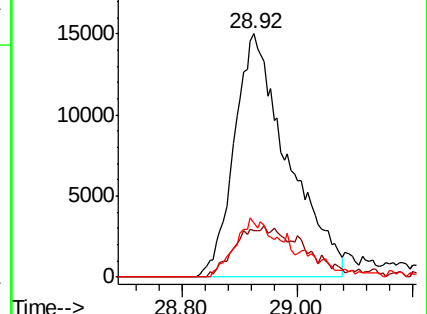
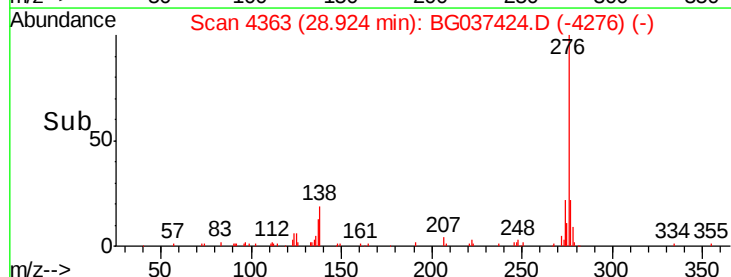
277 19.8 20.6 30.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

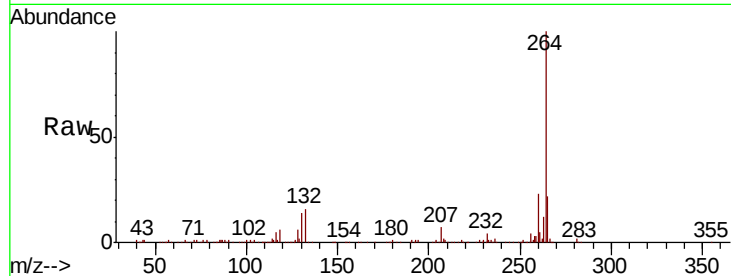
Tot Ion:264 Resp: 366074

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.4

265 21.8 17.9 26.9

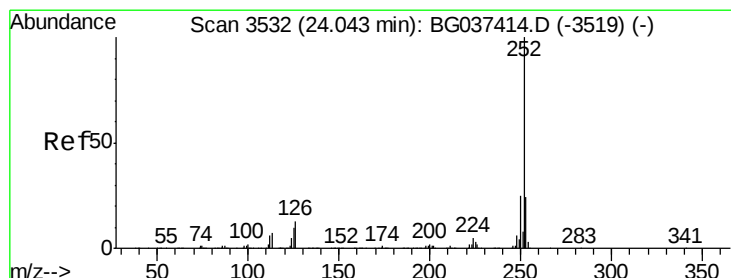
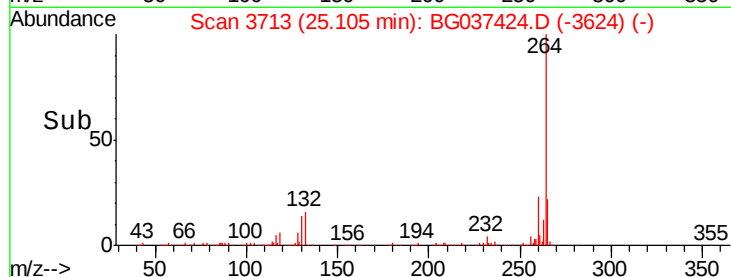
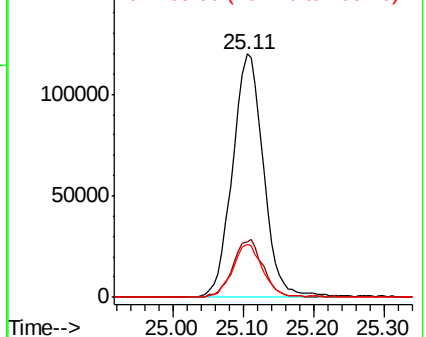


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5.414 ng

RT: 24.04 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BG037424.D

Acq: 18 Oct 2018 17:58

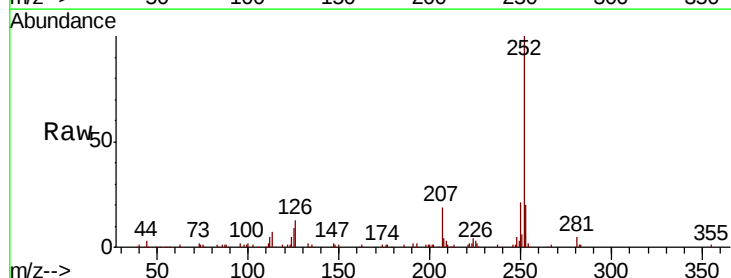
Tgt Ion:252 Resp: 108657

Ion Ratio Lower Upper

252 100

253 20.2 18.2 27.2

125 9.3 7.8 11.6

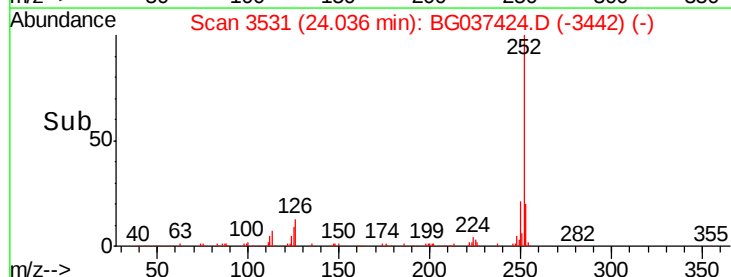
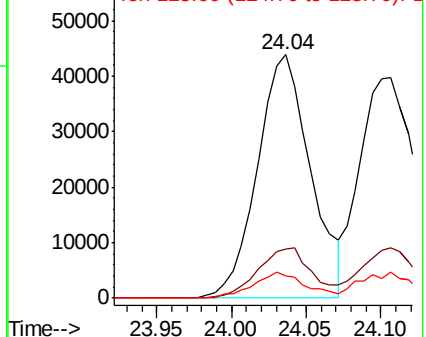


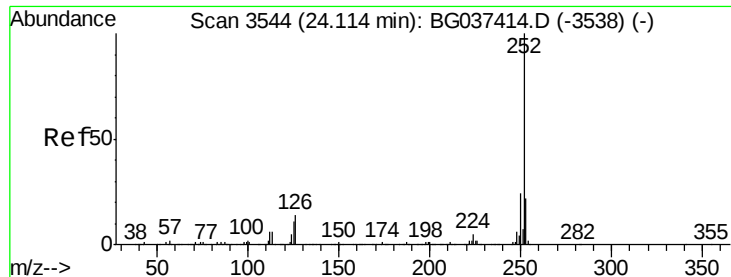
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

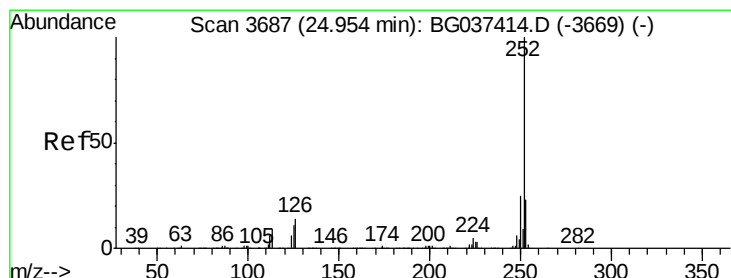
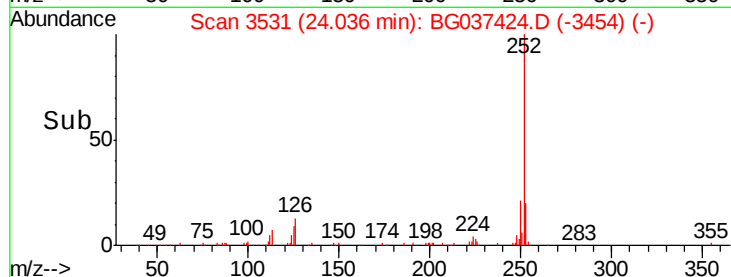
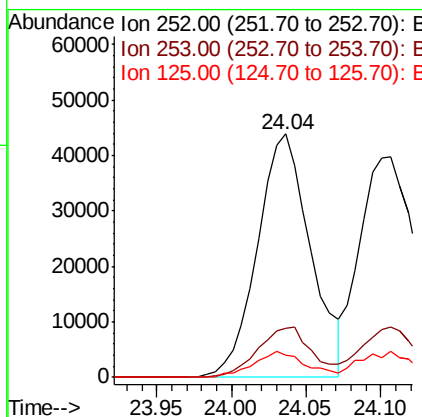
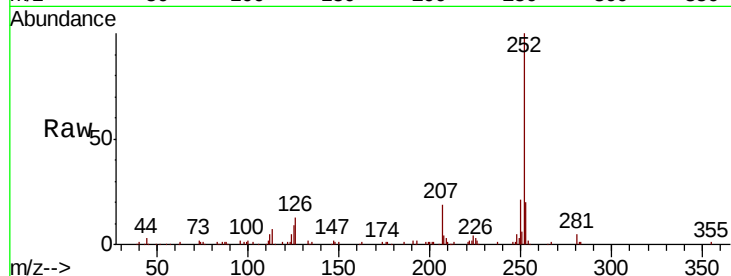




#89
Benzo(k)fluoranthene
Concen: 5.526 ng
RT: 24.04 min Scan# 3531
Delta R.T. -0.08 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

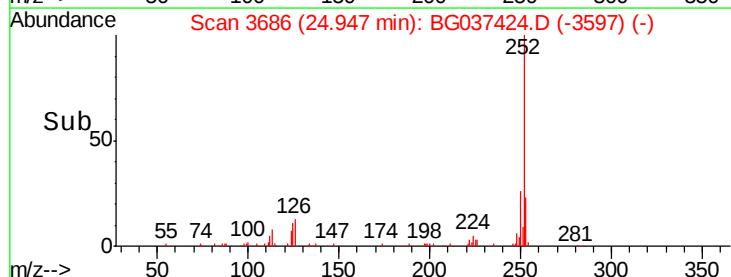
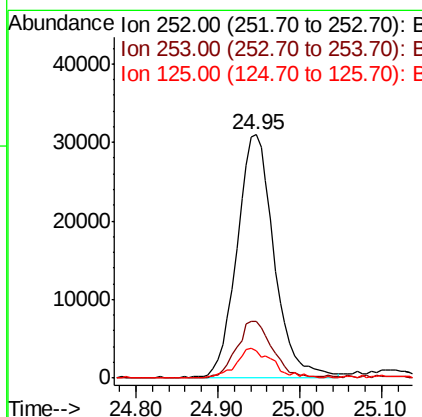
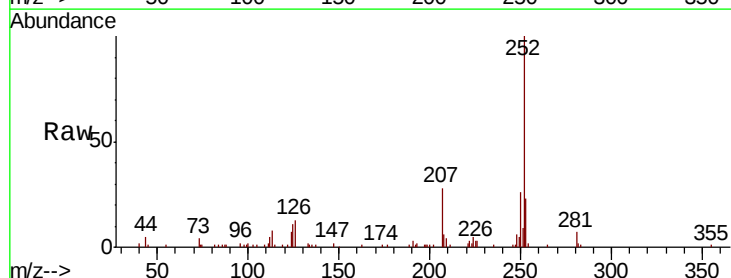
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

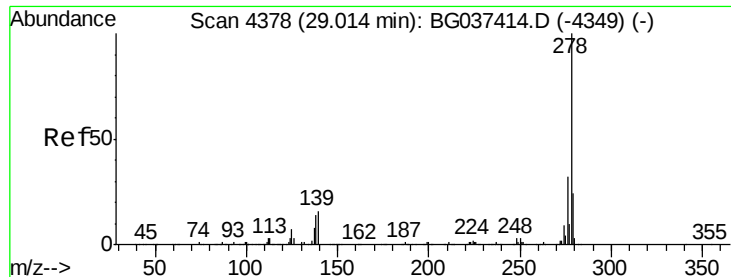
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.2	17.4	26.2
125	9.3	7.4	11.0



#90
Benzo(a)pyrene
Concen: 5.143 ng
RT: 24.95 min Scan# 3686
Delta R.T. -0.01 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	11.4	9.0	13.6

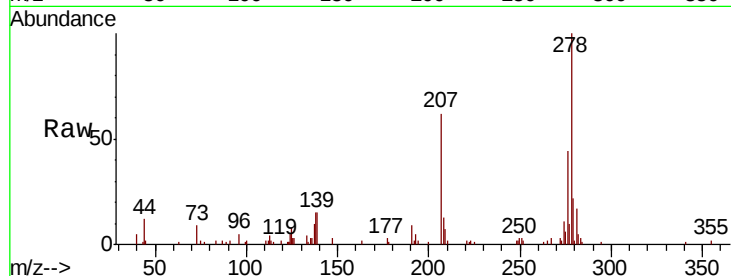




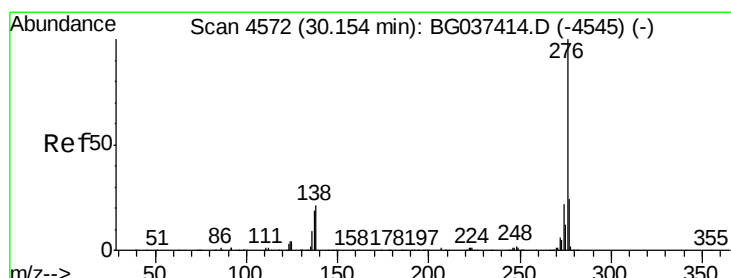
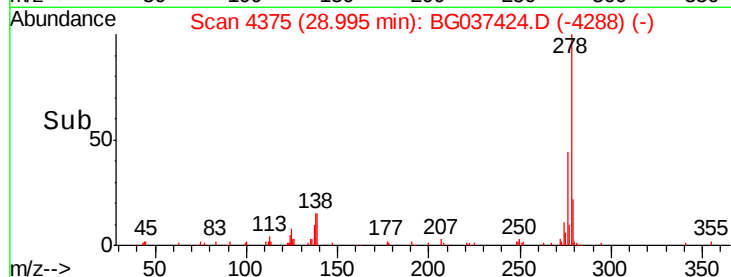
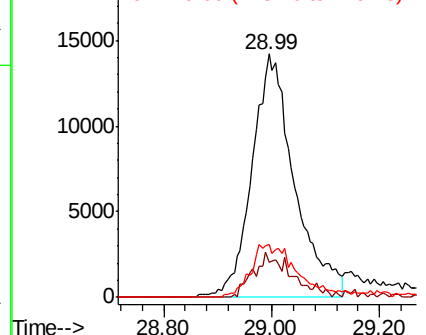
#91
Dibenzo(a,h)anthracene
Concen: 4.406 ng
RT: 28.99 min Scan# 4375
Delta R.T. -0.02 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.5	11.5	17.3
279	21.9	18.6	27.8

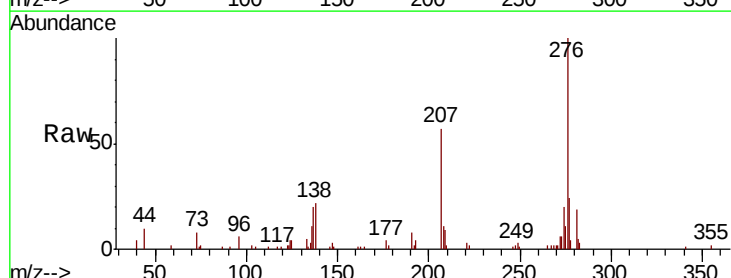


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.905 ng
RT: 30.12 min Scan# 4567
Delta R.T. -0.03 min
Lab File: BG037424.D
Acq: 18 Oct 2018 17:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.9	28.3
138	21.8	17.2	25.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

