

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021116\
 Data File : BG020863.D
 Acq On : 11 Feb 2016 19:28
 Operator : SJ/UM
 Sample : G4825-03
 Misc : LOD 2PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Feb 11 22:44:11 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	20366	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	100353	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	63619	20.00	ng	0.00
63) Phenanthrene-d10	17.62	188	133781	20.00	ng	0.00
75) Chrysene-d12	21.90	240	125559	20.00	ng	0.00
86) Perylene-d12	25.28	264	116990	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.80	112	164529	136.05	ng	0.00
7) Phenol-d6	7.41	99	229465	129.82	ng	0.00
23) Nitrobenzene-d5	9.44	82	126768	83.06	ng	0.00
41) 2,4,6-Tribromophenol	16.36	330	83253	133.07	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	357682	78.98	ng	0.00
78) Terphenyl-d14	20.20	244	466428	86.66	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.64	88	595	1.35	ng	# 45
3) Pyridine	4.06	79	1567	1.20	ng	92
4) n-Nitrosodimethylamine	3.96	42	286	0.84	ng	# 93
6) Aniline	7.59	93	1353	0.61	ng	# 79
8) 2-Chlorophenol	7.83	128	2629	1.74	ng	86
9) Benzaldehyde	7.39	77	2000	2.26	ng	# 80
10) Phenol	7.44	94	3324	1.78	ng	96
11) bis(2-Chloroethyl)ether	7.67	93	2126	1.42	ng	98
12) 1,3-Dichlorobenzene	8.15	146	2314	1.45	ng	99
13) 1,4-Dichlorobenzene	8.31	146	2341	1.45	ng	98
14) 1,2-Dichlorobenzene	8.62	146	2435	1.55	ng	97
15) Benzyl Alcohol	8.50	79	1726	1.55	ng	90
16) 2,2'-oxybis(1-Chloropropan	8.80	45	2148	1.38	ng	94
17) 2-Methylphenol	8.70	107	2111	1.57	ng	# 94
18) Hexachloroethane	9.37	117	778	1.40	ng	# 82
19) n-Nitroso-di-n-propylamine	9.07	70	1596	1.40	ng	# 86
20) 3+4-Methylphenols	9.02	107	2734	1.46	ng	98
22) Acetophenone	9.09	105	3410	1.41	ng	# 95
24) Nitrobenzene	9.48	77	2397	1.51	ng	93
25) Isophorone	10.00	82	4621	1.44	ng	# 93
26) 2-Nitrophenol	10.19	139	995	1.19	ng	# 81
27) 2,4-Dimethylphenol	10.24	122	2084	1.30	ng	92
28) bis(2-Chloroethoxy)methane	10.48	93	3186	1.61	ng	95
29) 2,4-Dichlorophenol	10.73	162	2179	1.52	ng	91
30) 1,2,4-Trichlorobenzene	10.95	180	2280	1.57	ng	# 92
31) Naphthalene	11.14	128	8171	1.57	ng	96
32) Benzoic acid	10.24	122	2084	1.62	ng	# 16
33) 4-Chloroaniline	11.24	127	1790	0.80	ng	# 88
34) Hexachlorobutadiene	11.42	225	1071	1.45	ng	# 75
35) Caprolactam	11.98	113	709	1.29	ng	# 89
36) 4-Chloro-3-methylphenol	12.34	107	2612	1.59	ng	98
37) 2-Methylnaphthalene	12.73	142	5928	1.63	ng	97
39) 1,2,4,5-Tetrachlorobenzene	13.09	216	2640	1.41	ng	# 93
40) Hexachlorocyclopentadiene	13.06	237	496	0.60	ng	# 28

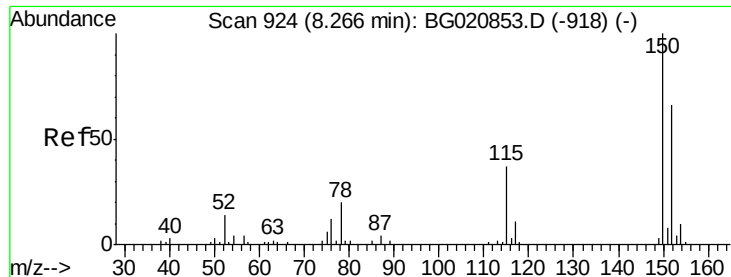
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021116\
 Data File : BG020863.D
 Acq On : 11 Feb 2016 19:28
 Operator : SJ/UM
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.32	196	1766	1.41	ng	89
43) 2,4,5-Trichlorophenol	13.39	196	1959	1.49	ng	93
45) 1,1'-Biphenyl	13.72	154	8137	1.45	ng	93
46) 2-Chloronaphthalene	13.77	162	5975	1.49	ng	99
47) 2-Nitroaniline	13.95	65	1232	1.28	ng	88
48) Acenaphthylene	14.60	152	10556	1.51	ng	97
49) Dimethylphthalate	14.32	163	7431	1.49	ng	99
50) 2,6-Dinitrotoluene	14.45	165	1350	1.27	ng #	88
51) Acenaphthene	14.95	154	6021	1.42	ng	99
52) 3-Nitroaniline	14.78	138	1523	1.23	ng #	87
54) Dibenzofuran	15.27	168	9716	1.73	ng	97
55) 4-Nitrophenol	15.06	139	746	0.80	ng	87
56) 2,4-Dinitrotoluene	15.22	165	1630	1.18	ng #	98
57) Fluorene	15.92	166	8025	1.56	ng	94
58) 2,3,4,6-Tetrachlorophenol	15.49	232	1341	1.34	ng #	97
59) Diethylphthalate	15.67	149	7700	1.51	ng	98
60) 4-Chlorophenyl-phenylether	15.91	204	3566	1.56	ng	94
61) 4-Nitroaniline	15.93	138	1478	1.19	ng	95
62) Azobenzene	16.20	77	6707	1.67	ng	96
64) 4,6-Dinitro-2-methylphenol	15.99	198	186	5.76	ng #	16
65) n-Nitrosodiphenylamine	16.12	169	6614	1.53	ng	96
66) 4-Bromophenyl-phenylether	16.80	248	2138	1.51	ng	90
67) Hexachlorobenzene	16.91	284	2161	1.44	ng	96
68) Atrazine	17.05	200	1850	1.41	ng	94
69) Pentachlorophenol	17.26	266	511	0.59	ng #	83
70) Phenanthrene	17.66	178	12167	1.60	ng	97
71) Anthracene	17.75	178	11672	1.51	ng	98
72) Carbazole	18.01	167	10433	1.50	ng	98
73) Di-n-butylphthalate	18.56	149	12533	1.41	ng	99
74) Fluoranthene	19.65	202	12092	1.47	ng	98
76) Benzidine	19.82	184	490	0.12	ng #	64
77) Pyrene	20.01	202	13011	1.57	ng #	94
79) Butylbenzylphthalate	20.88	149	5280	1.33	ng	97
80) Benzo(a)anthracene	21.88	228	12307	1.64	ng	100
81) 3,3'-Dichlorobenzidine	21.78	252	2500	0.90	ng	90
82) Chrysene	21.95	228	10992	1.56	ng	95
83) Bis(2-ethylhexyl)phthalate	21.77	149	8373	1.42	ng #	95
84) Di-n-octyl phthalate	23.03	149	13779	1.43	ng #	97
85) Indeno(1,2,3-cd)pyrene	29.14	276	4845	0.60	ng #	50
87) Benzo(b)fluoranthene	24.20	252	11408	1.59	ng	96
88) Benzo(k)fluoranthene	24.27	252	11217	1.60	ng	95
89) Benzo(a)pyrene	25.12	252	10592	1.55	ng	96
90) Dibenzo(a,h)anthracene	29.21	278	9387	1.42	ng	95
91) Benzo(g,h,i)perylene	30.37	276	9493	1.44	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.27 min Scan# 924

Delta R.T. 0.00 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

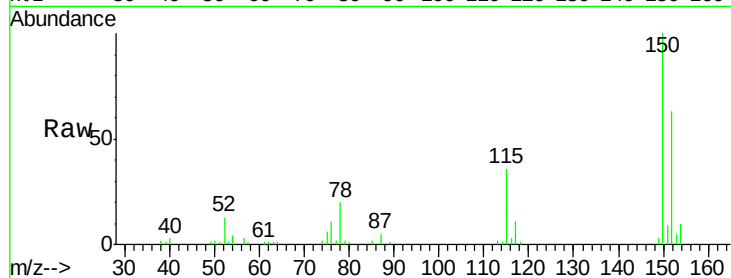
Tgt Ion:152 Resp: 20366

Ion Ratio Lower Upper

152 100

150 157.5 122.0 183.0

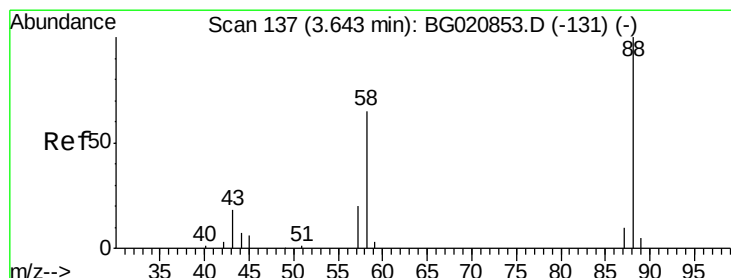
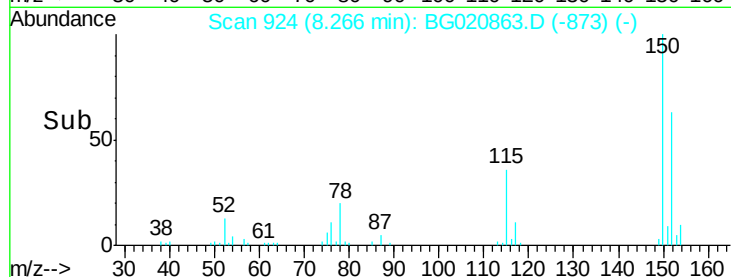
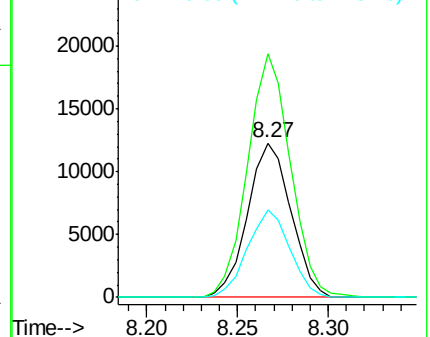
115 56.7 45.2 67.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 1.35 ng

RT: 3.64 min Scan# 136

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

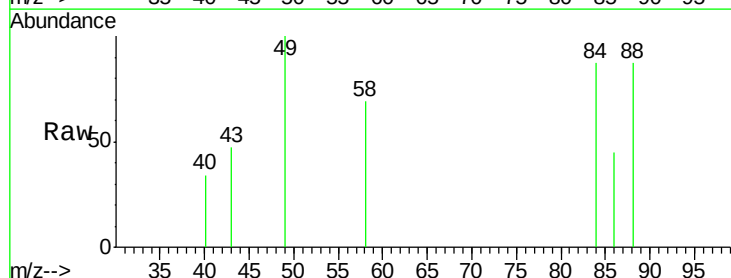
Tgt Ion: 88 Resp: 595

Ion Ratio Lower Upper

88 100

58 112.3 50.3 75.5#

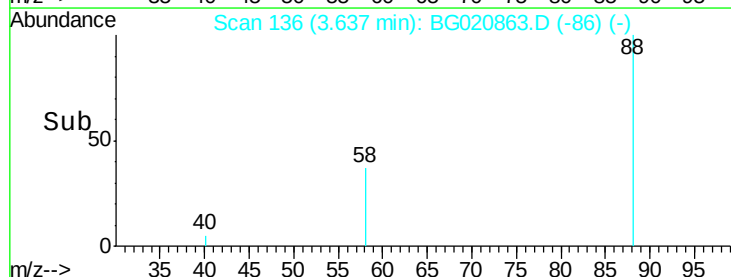
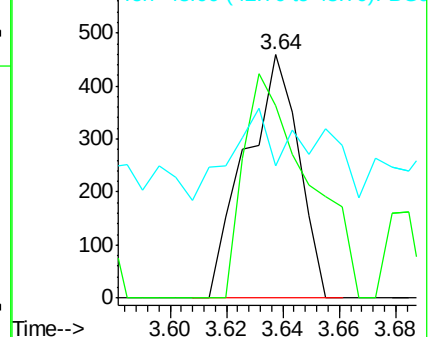
43 29.1 14.5 21.7#

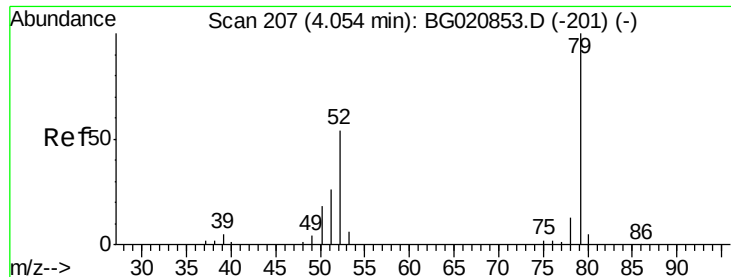


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 1.20 ng

RT: 4.06 min Scan# 208

Delta R.T. 0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

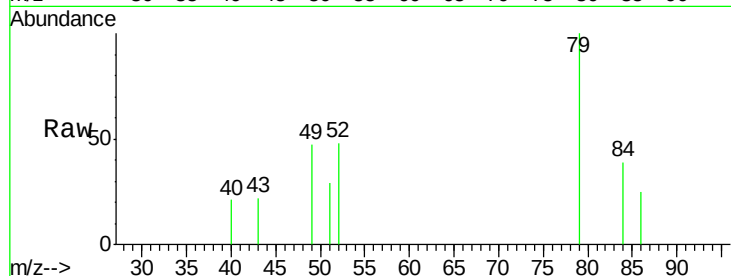
Tgt Ion: 79 Resp: 1567

Ion Ratio Lower Upper

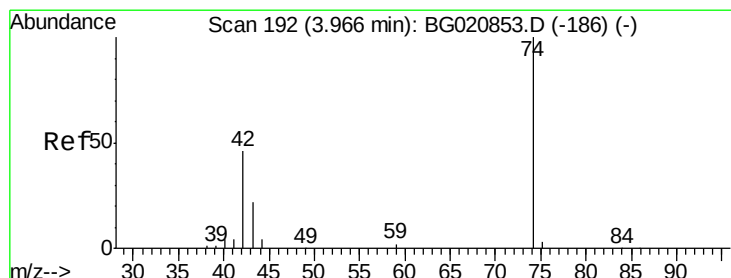
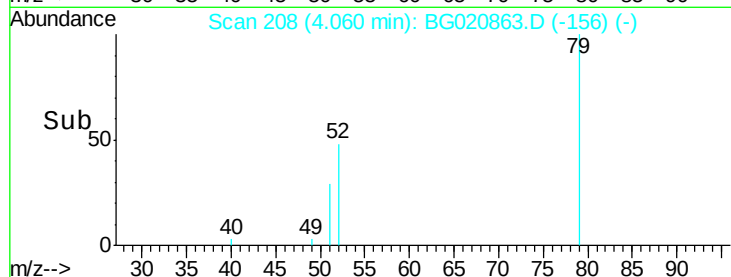
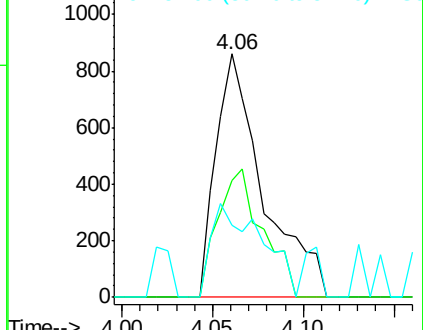
79 100

52 48.0 43.1 64.7

51 29.4 20.7 31.1



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 0.84 ng

RT: 3.96 min Scan# 191

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

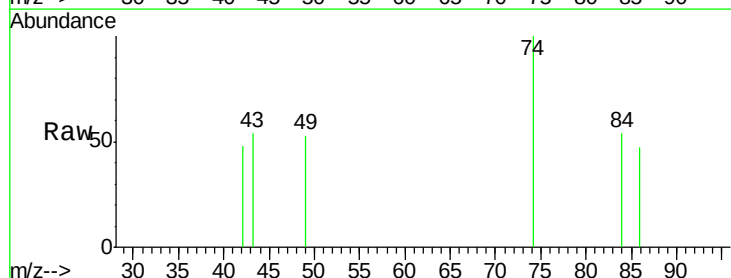
Tgt Ion: 42 Resp: 286

Ion Ratio Lower Upper

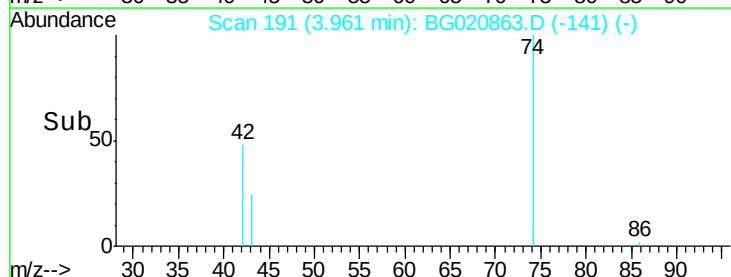
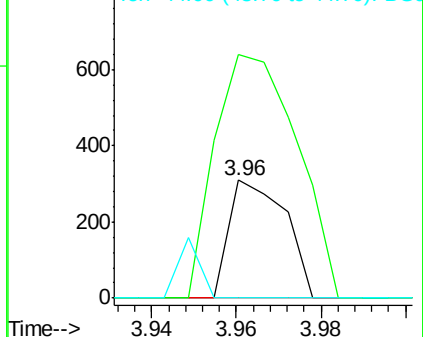
42 100

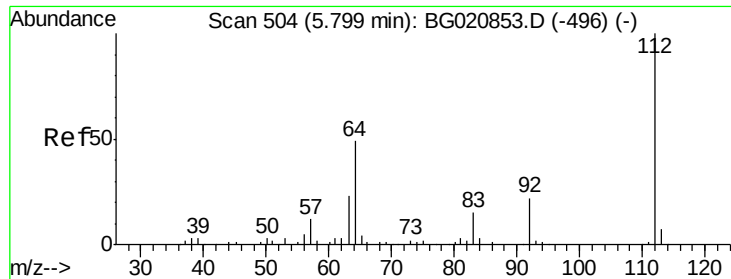
74 206.8 173.8 260.6

44 0.0 6.3 9.5#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 136.05 ng

RT: 5.80 min Scan# 504

Delta R.T. 0.00 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

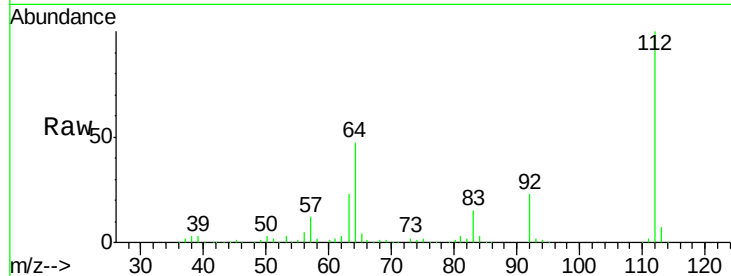
Tgt Ion: 112 Resp: 164529

Ion Ratio Lower Upper

112 100

64 47.2 39.3 58.9

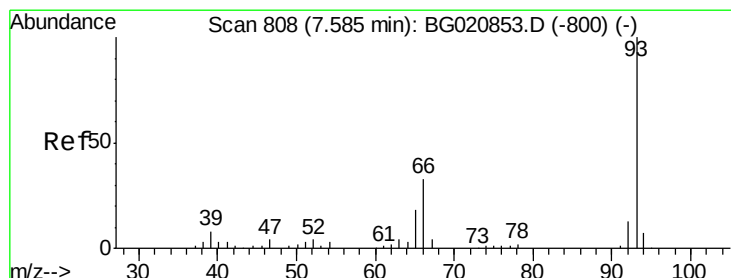
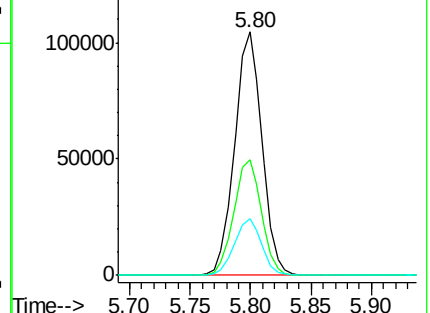
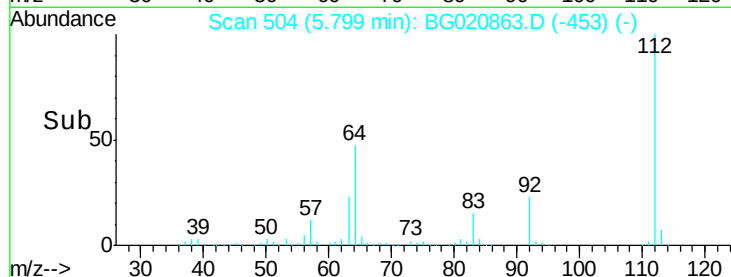
63 23.1 18.2 27.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 0.61 ng

RT: 7.59 min Scan# 808

Delta R.T. 0.00 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

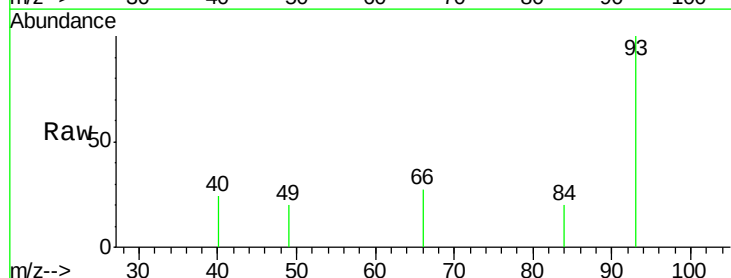
Tgt Ion: 93 Resp: 1353

Ion Ratio Lower Upper

93 100

66 26.8 26.6 40.0

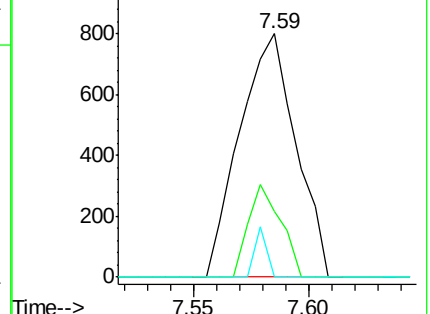
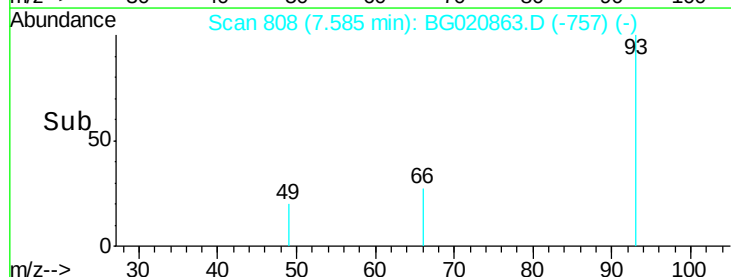
65 0.0 14.0 21.0#

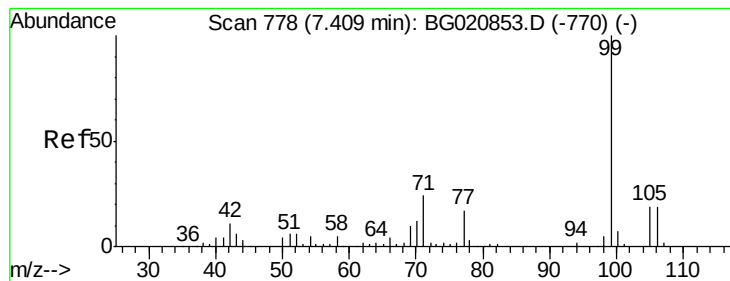


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 129.82 ng

RT: 7.41 min Scan# 778

Delta R.T. 0.00 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

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LOD-SOIL2016-01

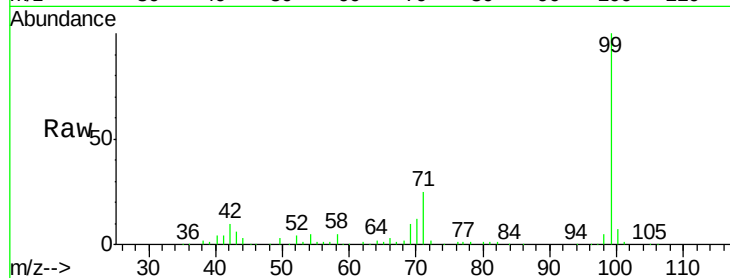
Tgt Ion: 99 Resp: 229465

Ion Ratio Lower Upper

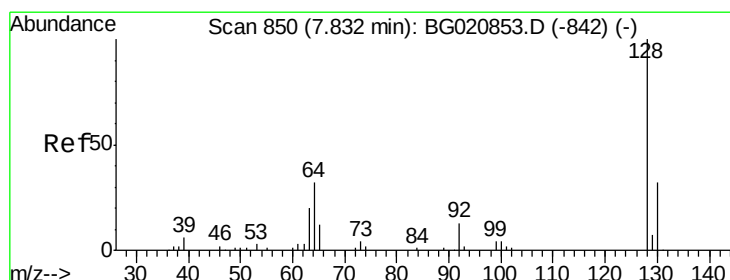
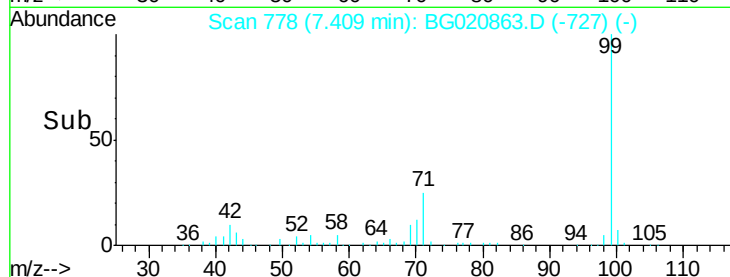
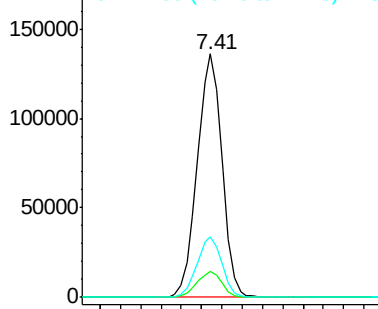
99 100

42 10.5 8.4 12.6

71 25.1 19.4 29.0



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: 1.74 ng

RT: 7.83 min Scan# 849

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

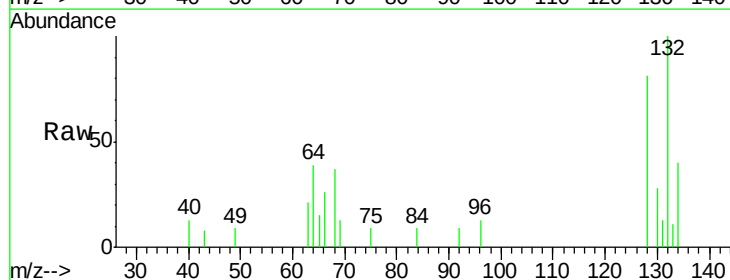
Tgt Ion: 128 Resp: 2629

Ion Ratio Lower Upper

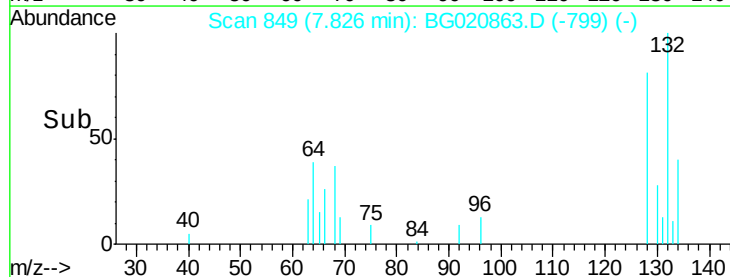
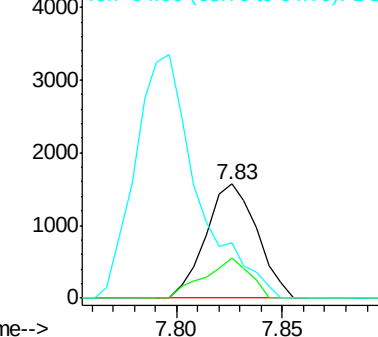
128 100

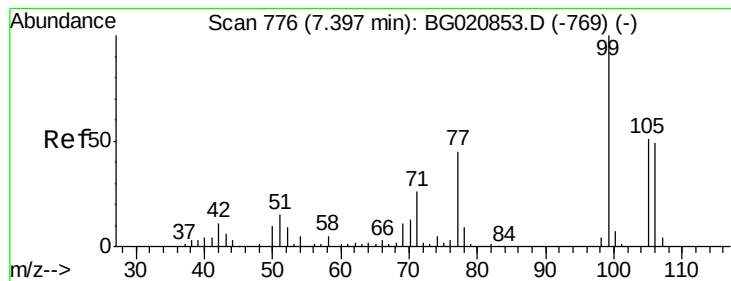
130 35.3 12.3 52.3

64 48.2 15.9 55.9



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





#9

Benzaldehyde

Concen: 2.26 ng

RT: 7.39 min Scan# 775

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

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LOD-SOIL2016-01

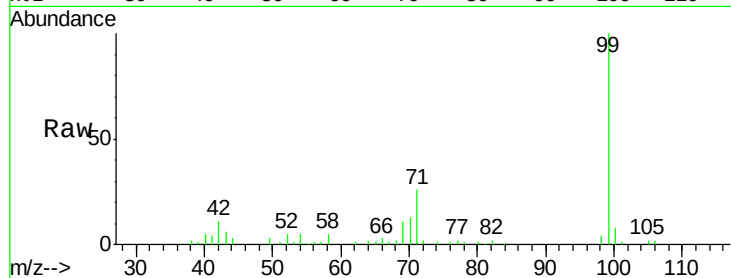
Tgt Ion: 77 Resp: 2000

Ion Ratio Lower Upper

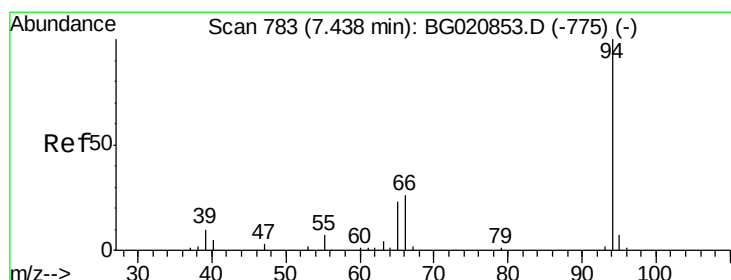
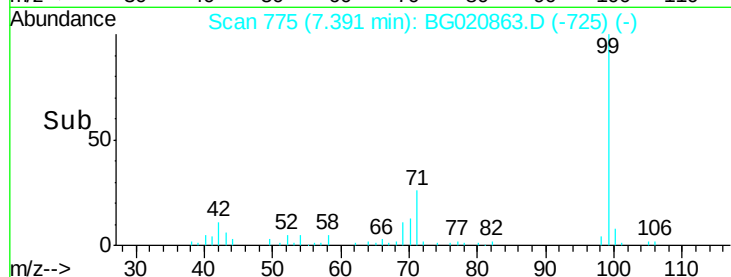
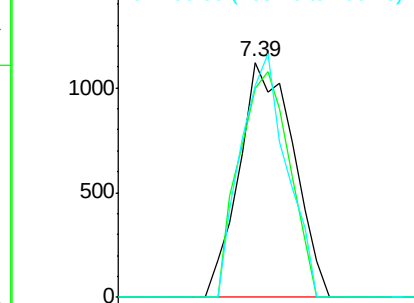
77 100

105 88.7 93.4 133.4#

106 90.2 88.7 128.7



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: 1.78 ng

RT: 7.44 min Scan# 783

Delta R.T. 0.00 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

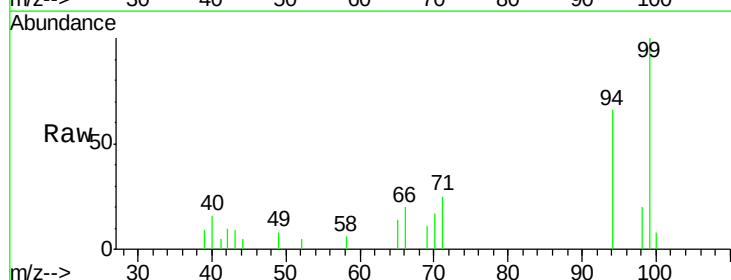
Tgt Ion: 94 Resp: 3324

Ion Ratio Lower Upper

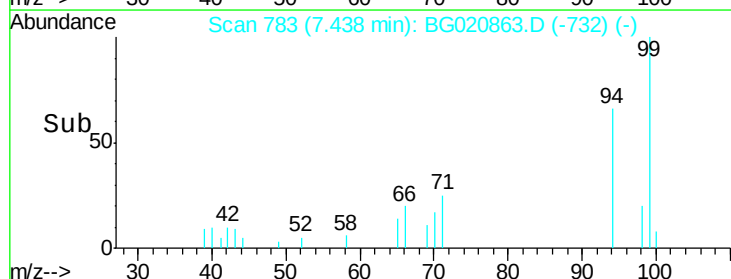
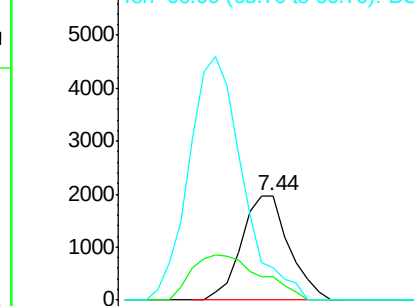
94 100

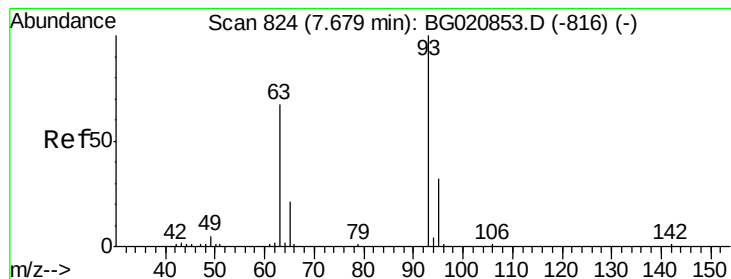
65 21.9 2.8 42.8

66 30.4 7.2 47.2



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

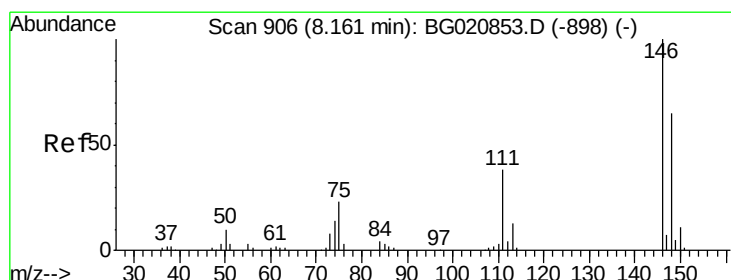
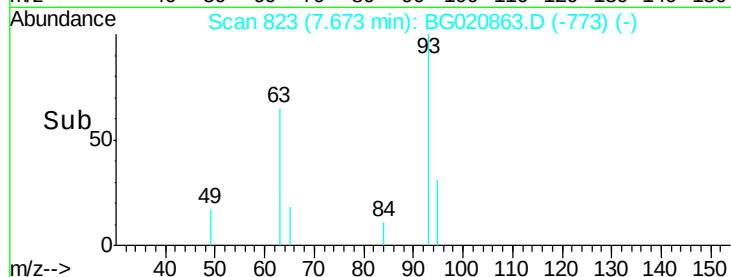
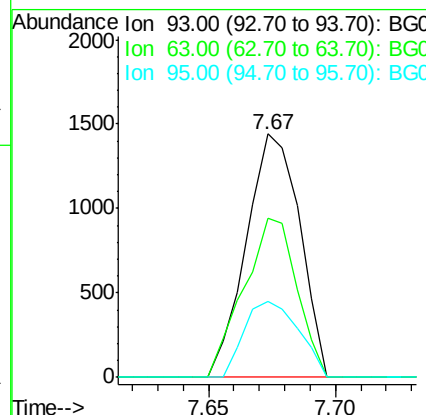
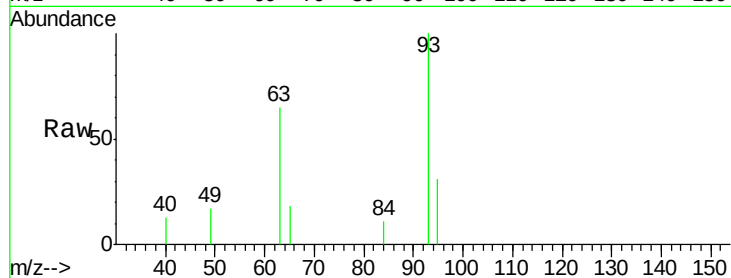




#11
bis(2-Chloroethyl)ether
Concen: 1.42 ng
RT: 7.67 min Scan# 823
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

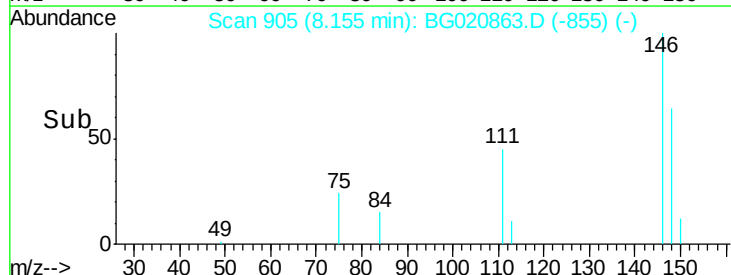
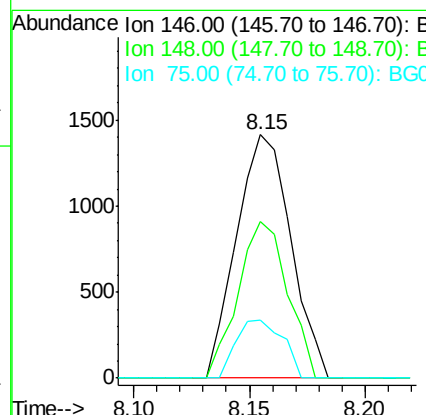
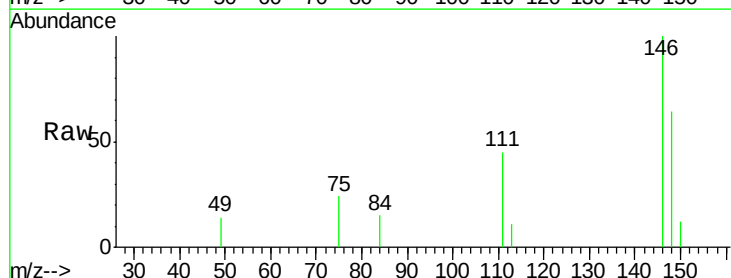
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

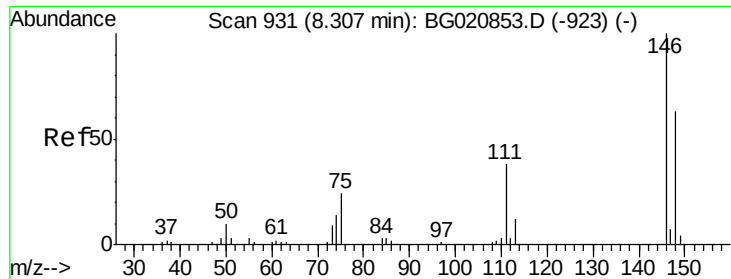
Tgt Ion: 93 Resp: 2126
Ion Ratio Lower Upper
93 100
63 65.3 46.4 86.4
95 31.1 12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 1.45 ng
RT: 8.15 min Scan# 905
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Tgt Ion: 146 Resp: 2314
Ion Ratio Lower Upper
146 100
148 64.3 51.8 77.8
75 23.9 18.7 28.1

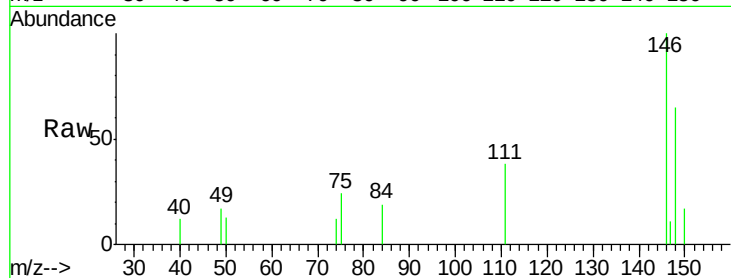




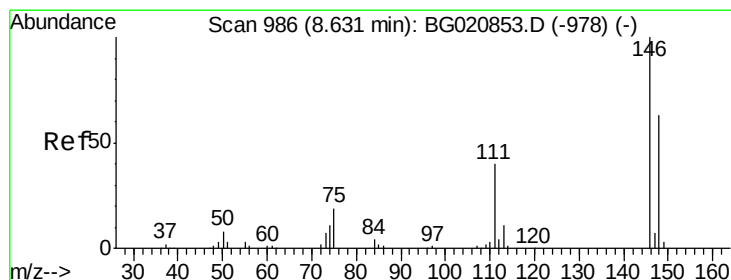
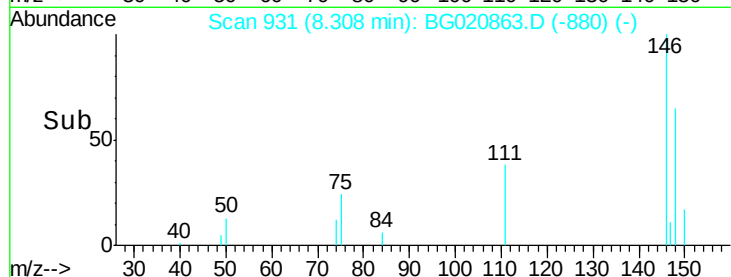
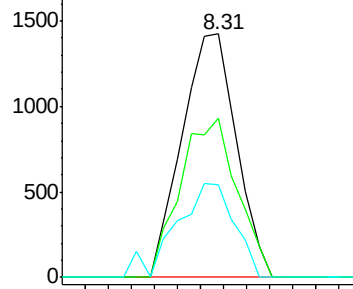
#13
 1,4-Dichlorobenzene
 Concen: 1.45 ng
 RT: 8.31 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:146 Resp: 2341
 Ion Ratio Lower Upper
 146 100
 148 65.3 50.8 76.2
 111 37.9 30.1 45.1

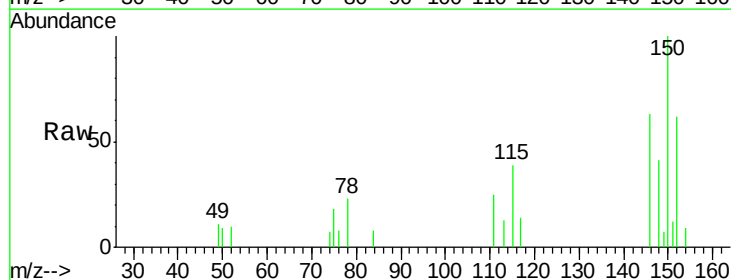


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

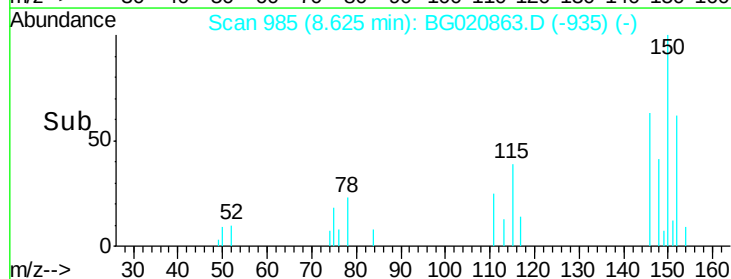
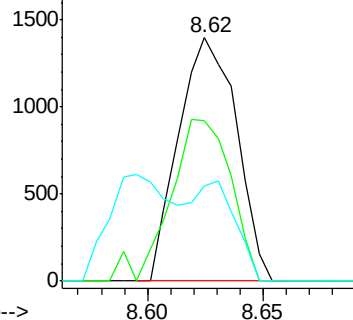


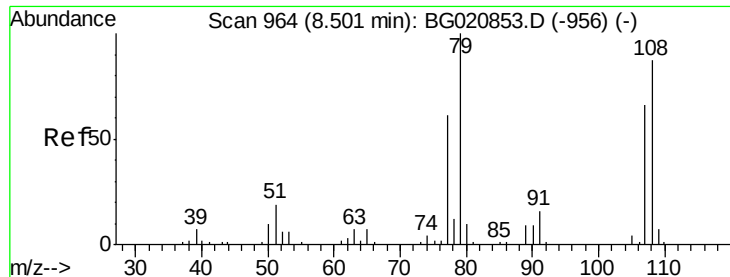
#14
 1,2-Dichlorobenzene
 Concen: 1.55 ng
 RT: 8.62 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

Tgt Ion:146 Resp: 2435
 Ion Ratio Lower Upper
 146 100
 148 66.0 50.6 76.0
 111 39.1 32.6 48.8



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 1.55 ng

RT: 8.50 min Scan# 964

Delta R.T. 0.00 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

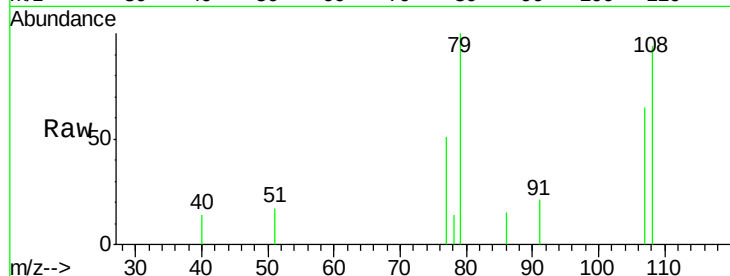
Tgt Ion: 79 Resp: 1726

Ion Ratio Lower Upper

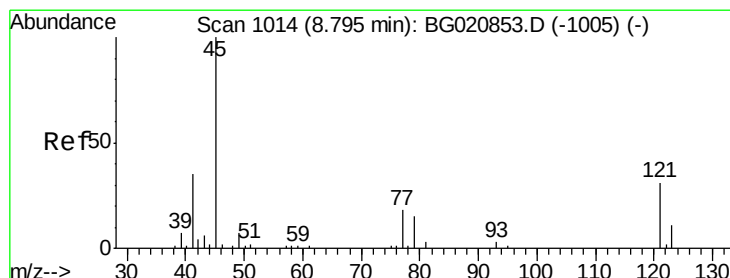
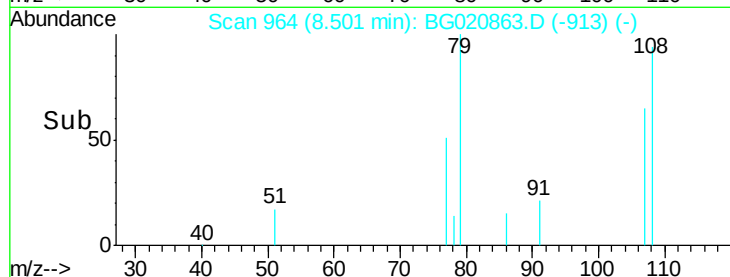
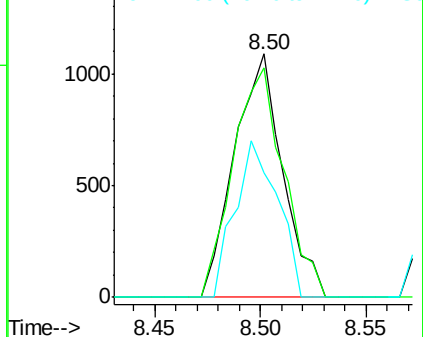
79 100

108 94.5 69.4 104.2

77 51.0 48.6 73.0



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 1.38 ng

RT: 8.80 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

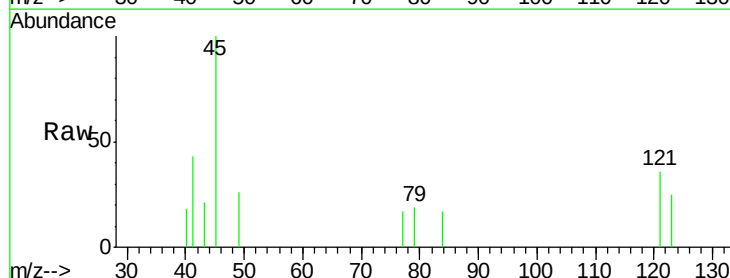
Tgt Ion: 45 Resp: 2148

Ion Ratio Lower Upper

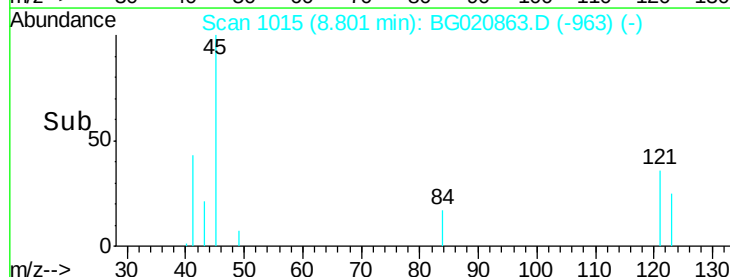
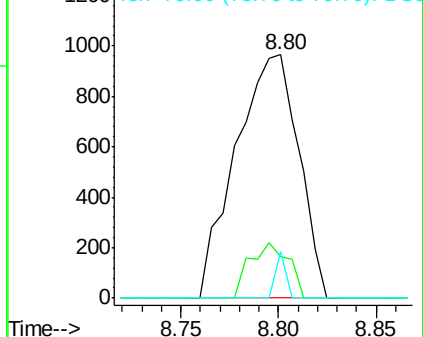
45 100

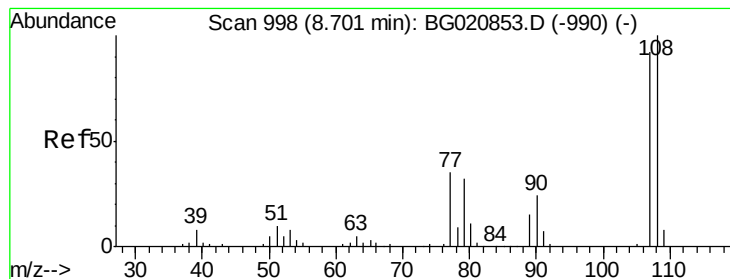
77 17.1 0.0 38.5

79 18.9 0.0 34.9



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 1.57 ng

RT: 8.70 min Scan# 997

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:107 Resp: 2111

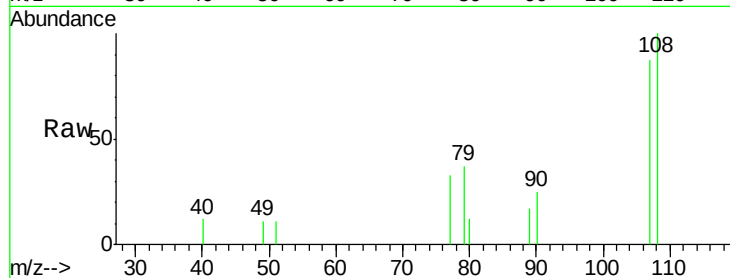
Ion Ratio Lower Upper

107 100

108 114.6 87.0 130.4

77 37.3 30.1 45.1

79 42.9 27.4 41.2#

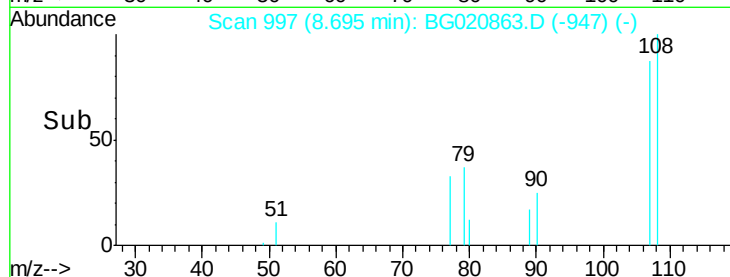


Abundance Ion 107.00 (106.70 to 107.70): E

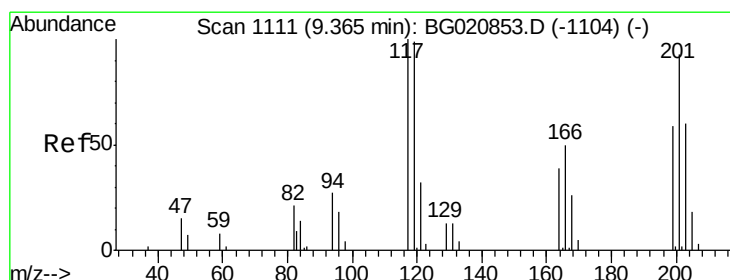
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



Time-->



#18

Hexachloroethane

Concen: 1.40 ng

RT: 9.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

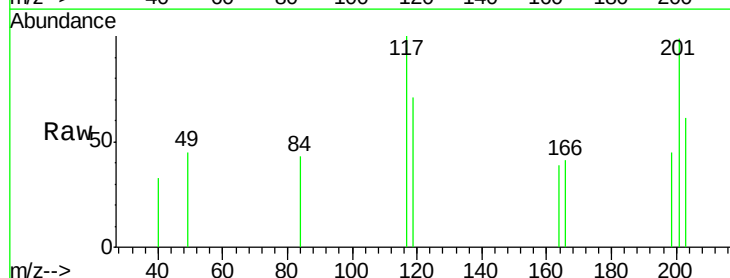
Tgt Ion:117 Resp: 778

Ion Ratio Lower Upper

117 100

119 71.0 79.6 119.4#

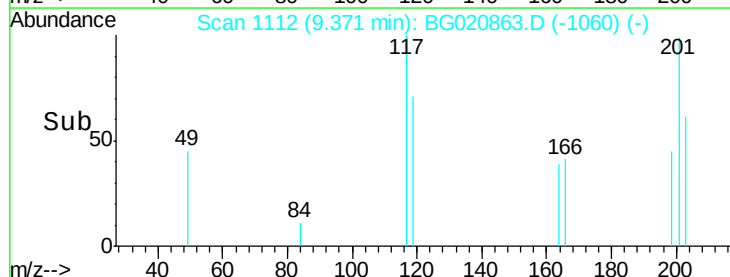
201 98.7 74.5 111.7



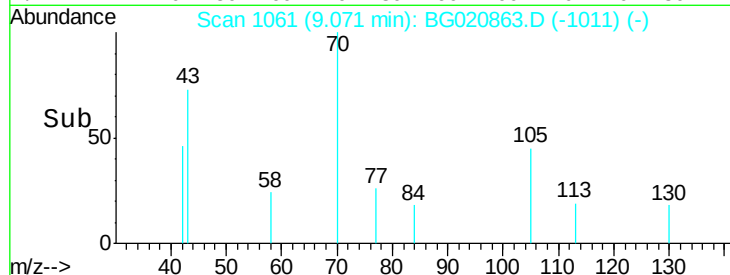
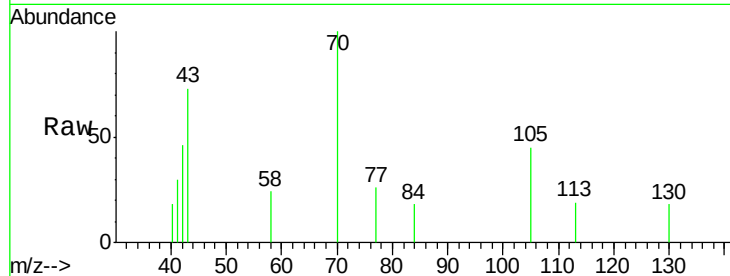
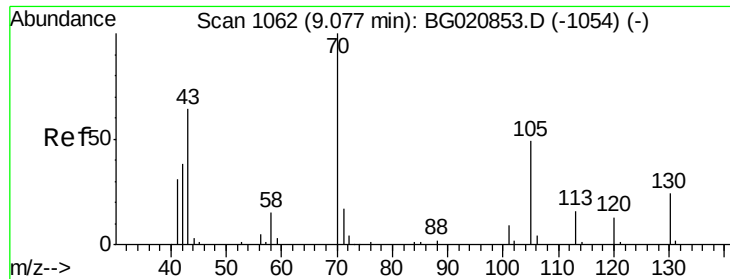
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



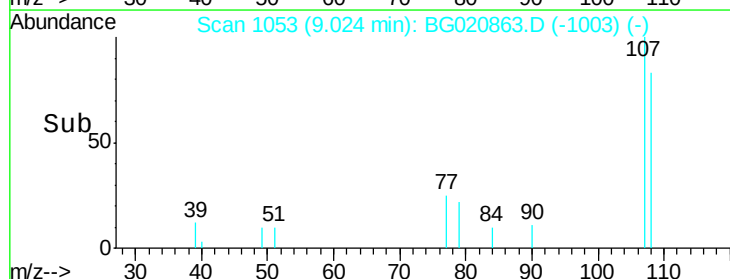
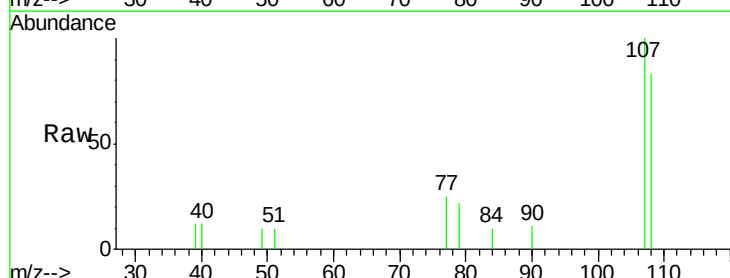
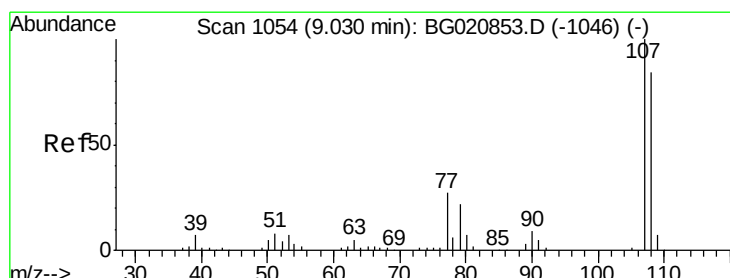
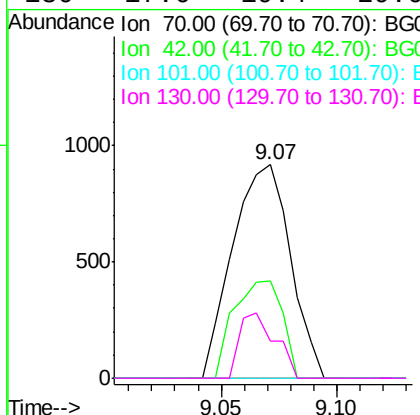
Time-->



#19
n-Nitroso-di-n-propylamine
Concen: 1.40 ng
RT: 9.07 min Scan# 1061
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

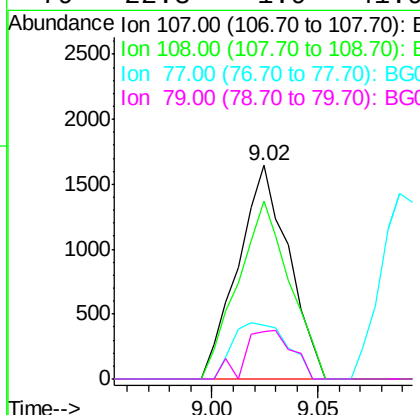
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

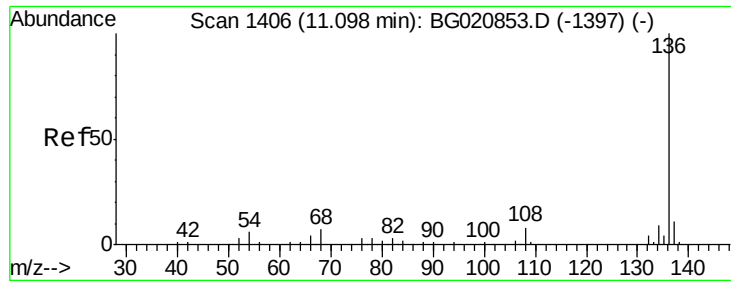
Tgt Ion: 70 Resp: 1596
Ion Ratio Lower Upper
70 100
42 45.6 30.9 46.3
101 0.0 7.3 10.9#
130 17.6 19.4 29.0#



#20
3+4-Methylphenols
Concen: 1.46 ng
RT: 9.02 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Tgt Ion: 107 Resp: 2734
Ion Ratio Lower Upper
107 100
108 83.2 64.4 104.4
77 25.1 7.1 47.1
79 22.3 1.9 41.9

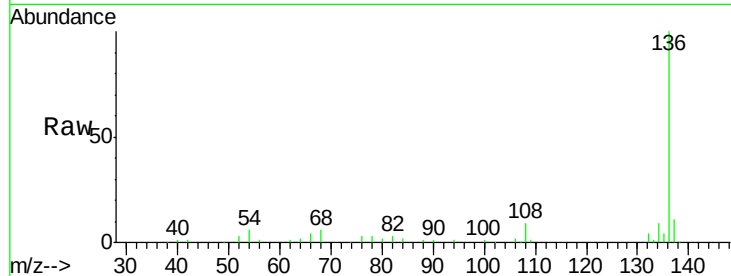




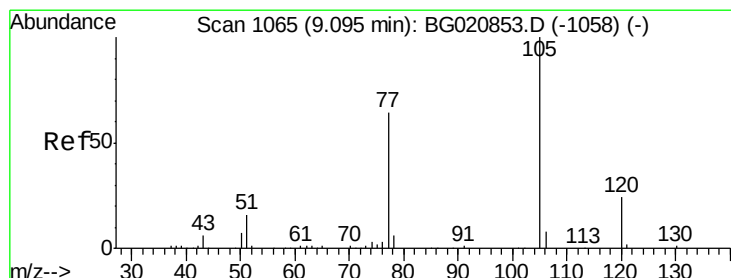
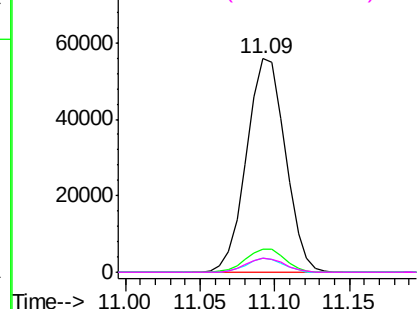
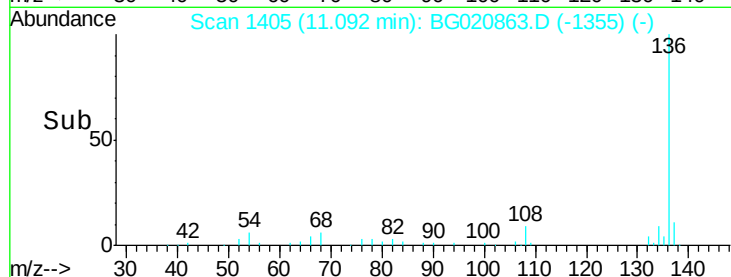
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.09 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:	136	Resp:	100353
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	6.3	5.0	7.4
68	6.5	5.2	7.8

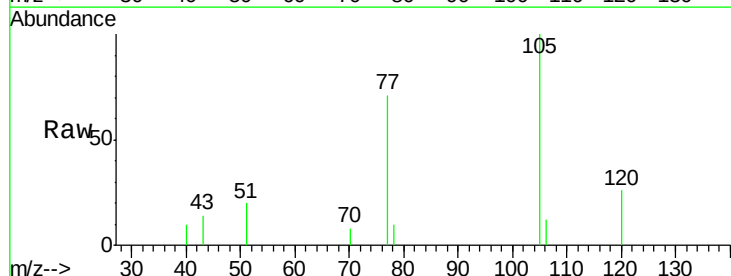


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

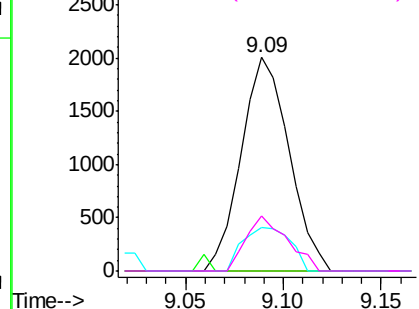
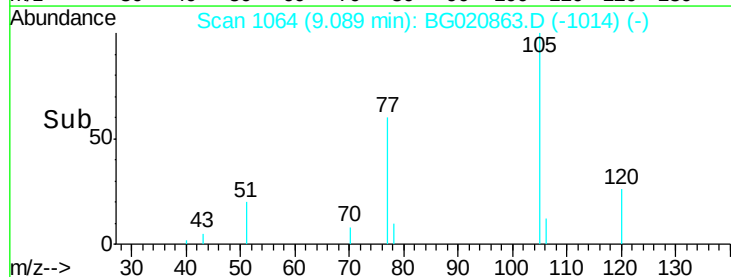


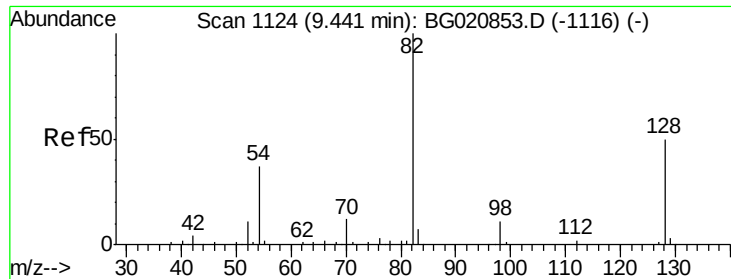
#22
Acetophenone
Concen: 1.41 ng
RT: 9.09 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Tgt Ion:	105	Resp:	3410
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.4	2.0#
51	20.2	13.7	20.5
120	25.6	19.0	28.6



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

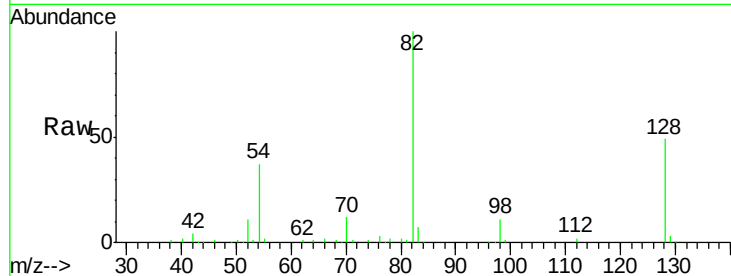




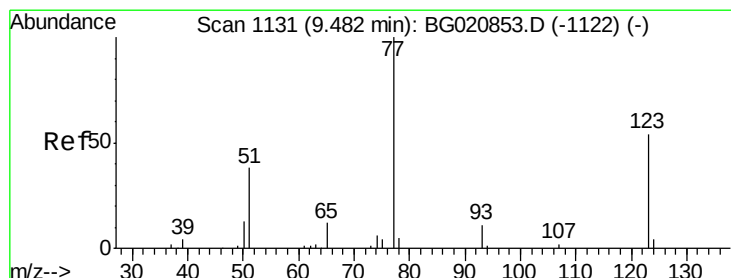
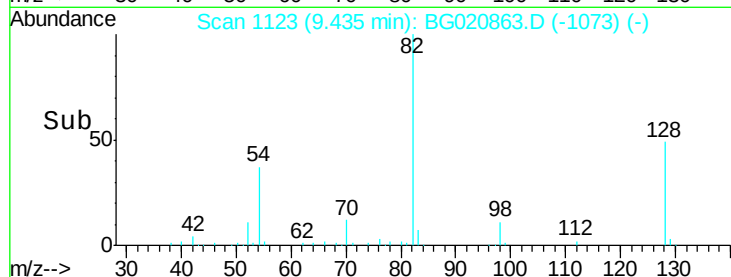
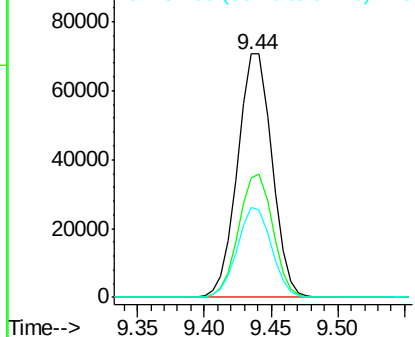
#23
 Nitrobenzene-d5
 Concen: 83.06 ng
 RT: 9.44 min Scan# 1123
 Delta R.T. -0.01 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion: 82 Resp: 126768
 Ion Ratio Lower Upper
 82 100
 128 49.0 40.1 60.1
 54 36.9 29.5 44.3

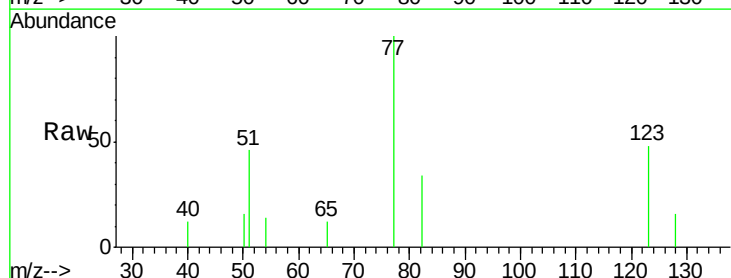


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

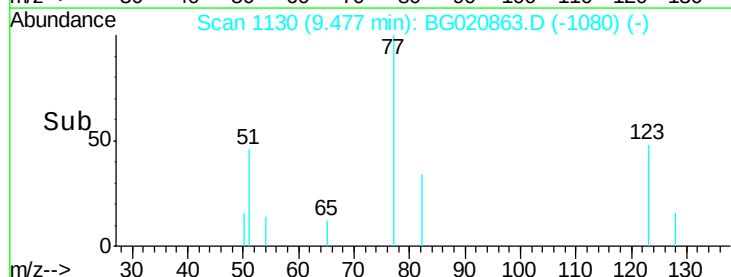
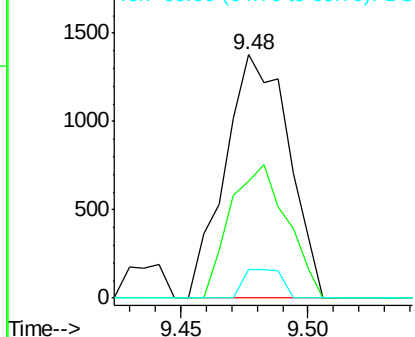


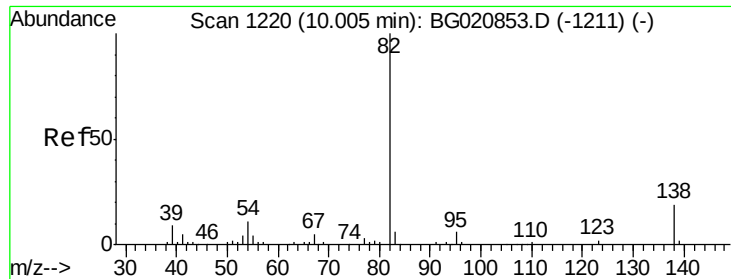
#24
 Nitrobenzene
 Concen: 1.51 ng
 RT: 9.48 min Scan# 1130
 Delta R.T. -0.01 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

Tgt Ion: 77 Resp: 2397
 Ion Ratio Lower Upper
 77 100
 123 48.2 43.2 64.8
 65 11.5 9.2 13.8



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 1.44 ng

RT: 10.00 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

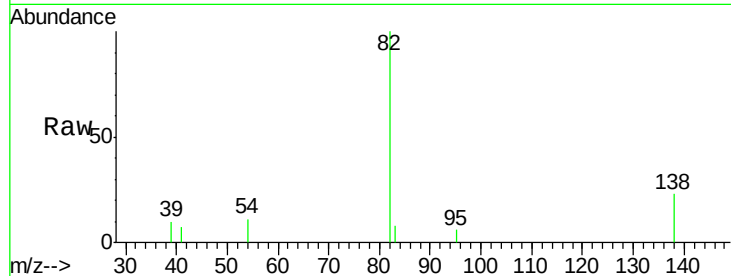
Tgt Ion: 82 Resp: 4621

Ion Ratio Lower Upper

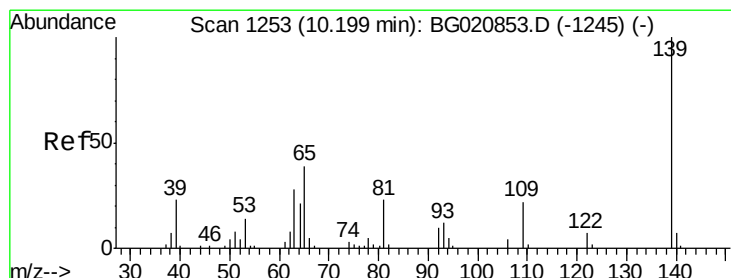
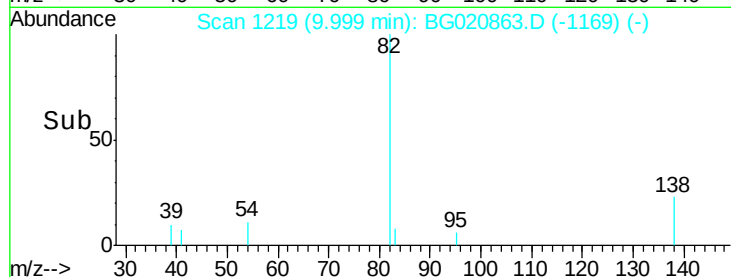
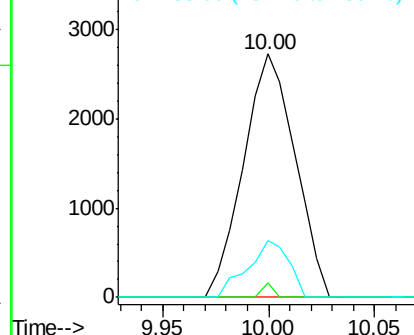
82 100

95 5.9 4.8 7.2

138 23.3 15.4 23.0#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 1.19 ng

RT: 10.19 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

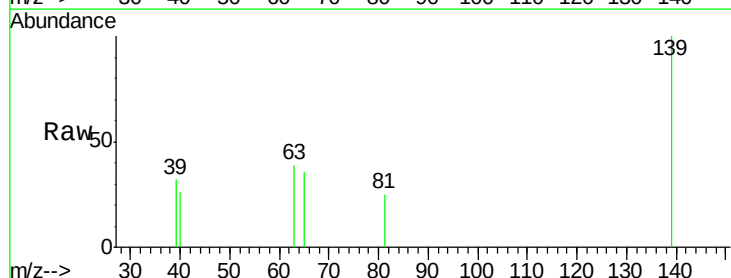
Tgt Ion: 139 Resp: 995

Ion Ratio Lower Upper

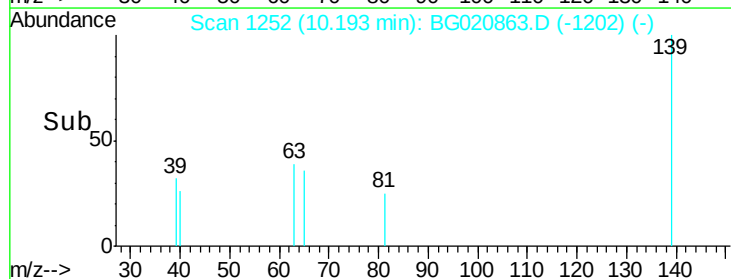
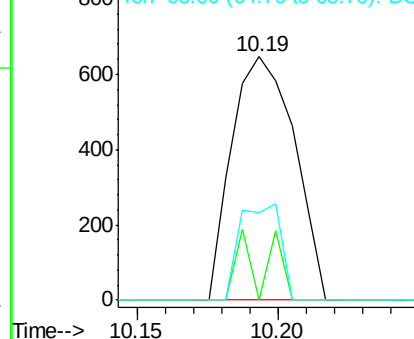
139 100

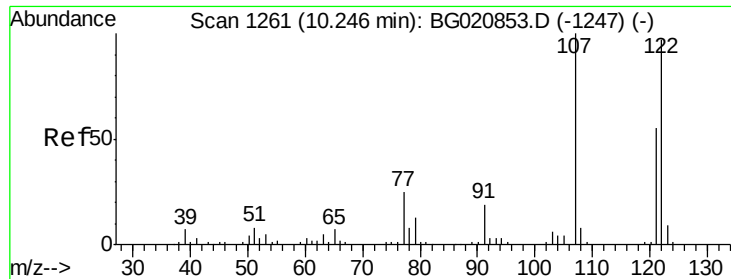
109 0.0 17.6 26.4#

65 36.2 31.0 46.6



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

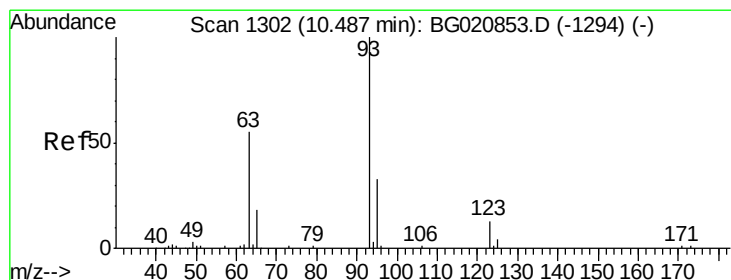
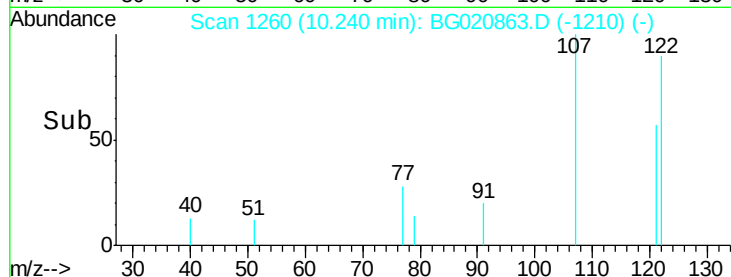
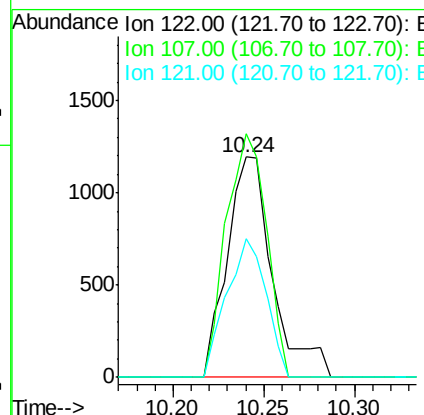
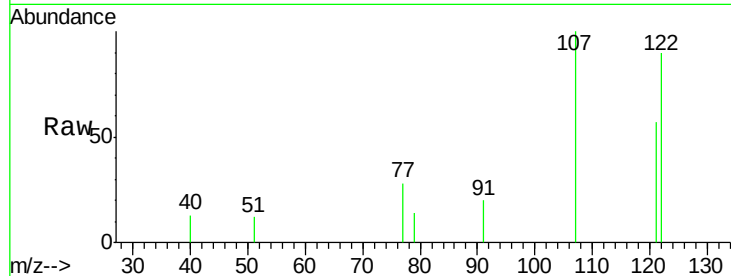




#27
 2,4-Dimethylphenol
 Concen: 1.30 ng
 RT: 10.24 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

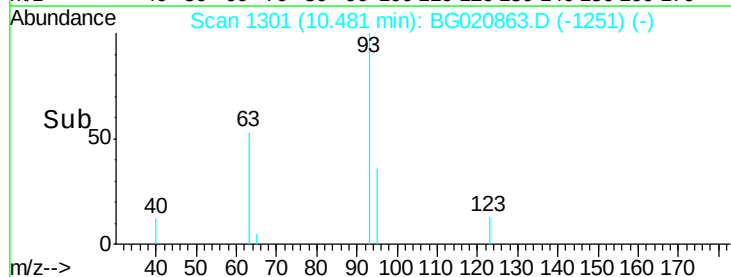
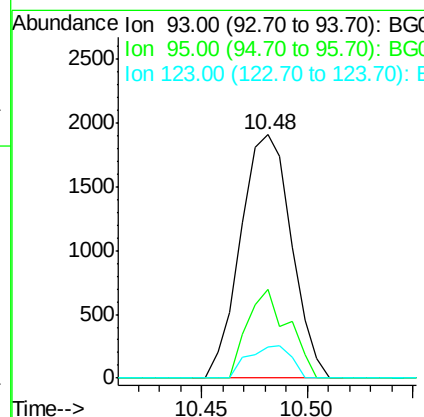
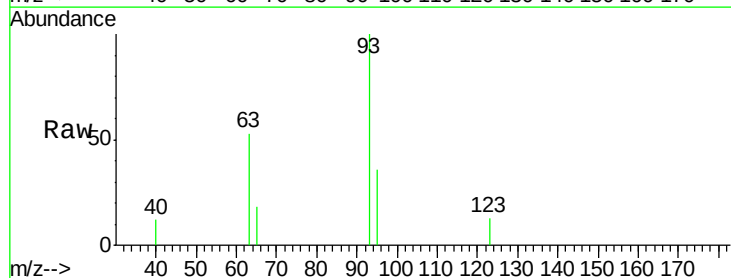
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

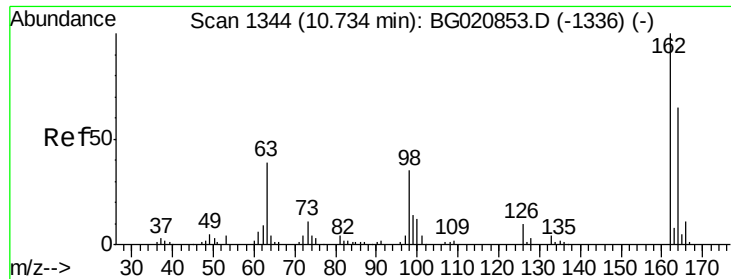
Tgt Ion: 122 Resp: 2084
 Ion Ratio Lower Upper
 122 100
 107 110.7 82.6 124.0
 121 63.2 45.6 68.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 1.61 ng
 RT: 10.48 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

Tgt Ion: 93 Resp: 3186
 Ion Ratio Lower Upper
 93 100
 95 36.4 26.2 39.2
 123 12.6 10.0 15.0

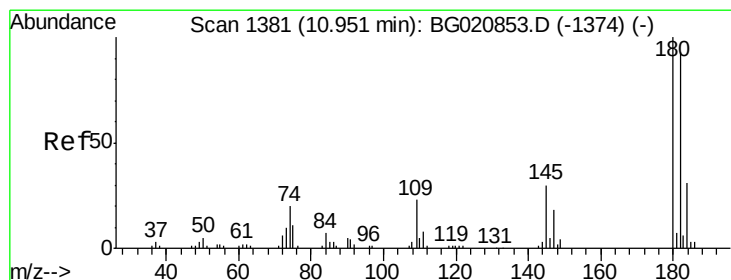
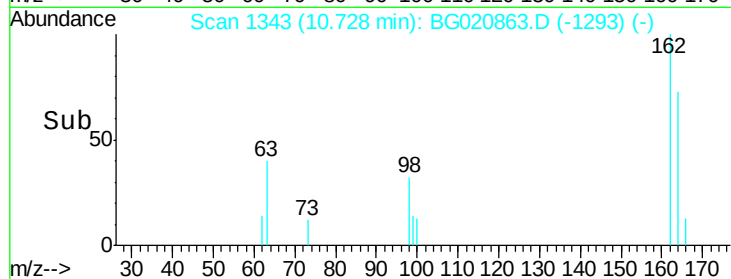
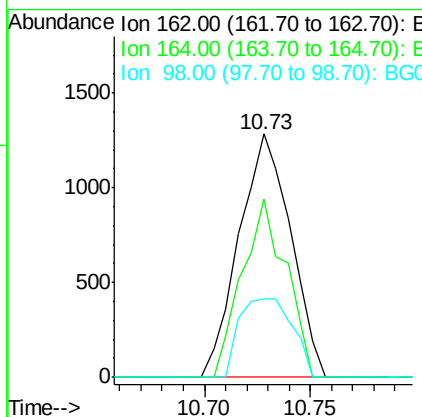
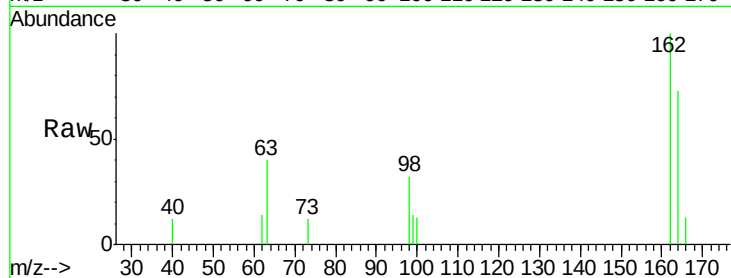




#29
 2,4-Dichlorophenol
 Concen: 1.52 ng
 RT: 10.73 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

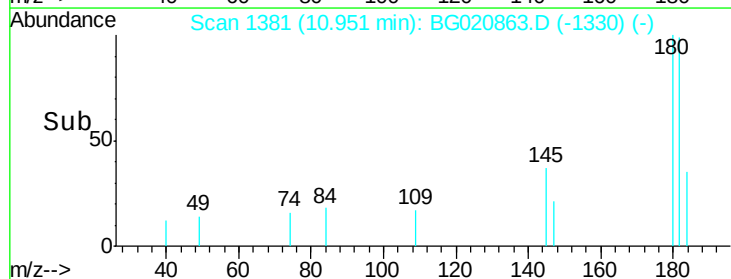
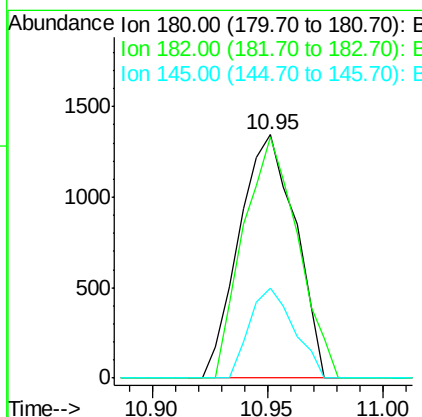
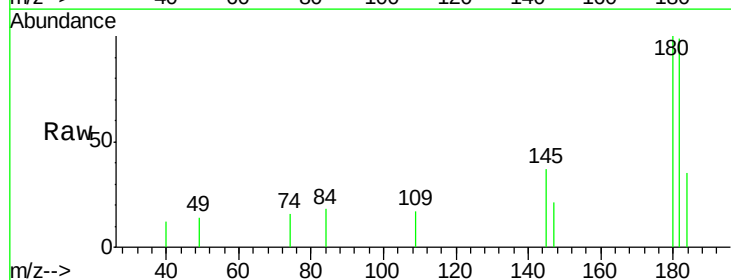
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

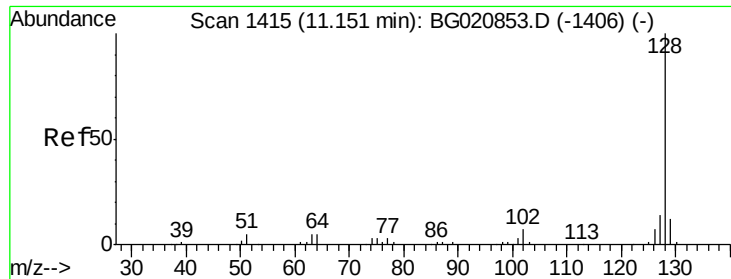
Tgt Ion:162 Resp: 2179
 Ion Ratio Lower Upper
 162 100
 164 73.5 44.5 84.5
 98 32.4 14.9 54.9



#30
 1,2,4-Trichlorobenzene
 Concen: 1.57 ng
 RT: 10.95 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

Tgt Ion:180 Resp: 2280
 Ion Ratio Lower Upper
 180 100
 182 99.0 74.1 111.1
 145 36.8 24.1 36.1#

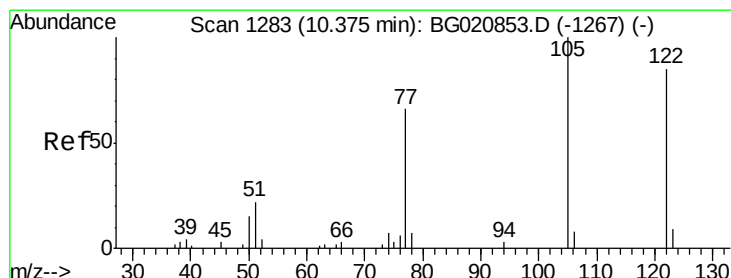
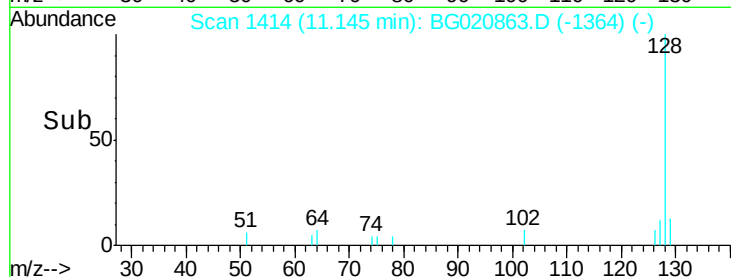
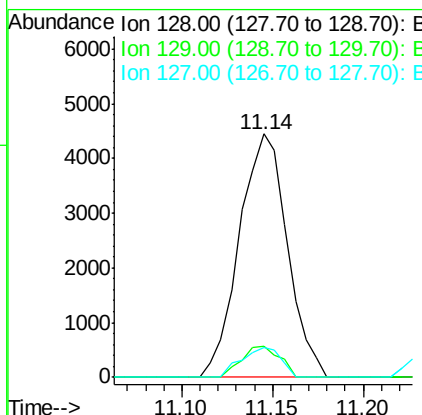
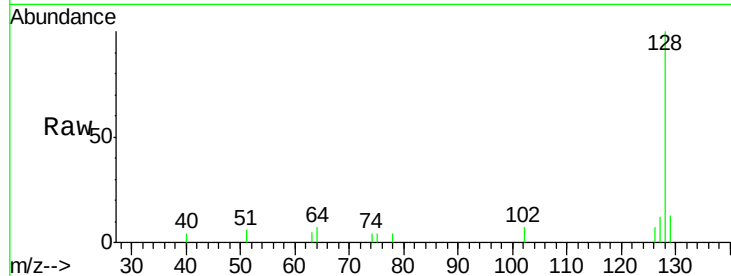




#31
Naphthalene
Concen: 1.57 ng
RT: 11.14 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

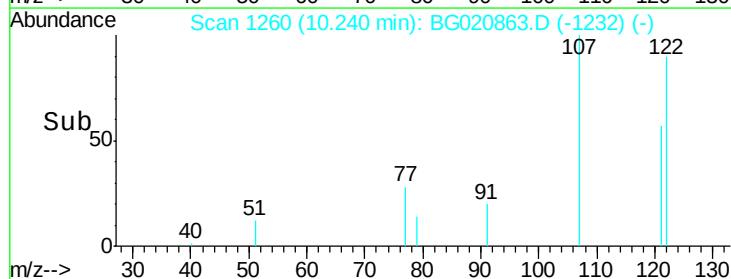
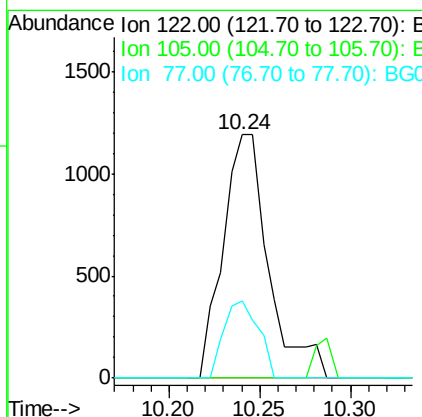
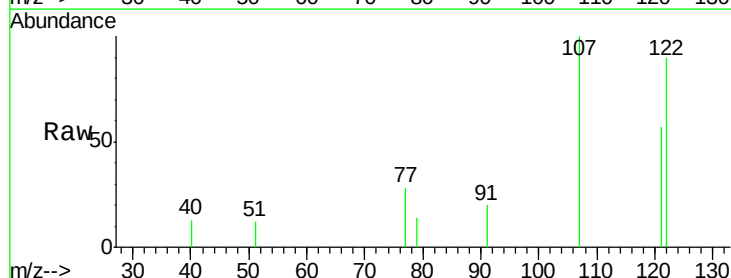
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

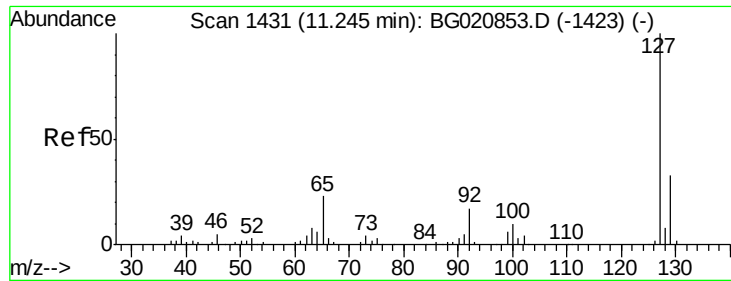
Tgt Ion:128 Resp: 8171
Ion Ratio Lower Upper
128 100
129 12.7 9.3 13.9
127 12.2 11.4 17.2



#32
Benzoic acid
Concen: 1.62 ng
RT: 10.24 min Scan# 1260
Delta R.T. -0.14 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Tgt Ion:122 Resp: 2084
Ion Ratio Lower Upper
122 100
105 0.0 94.0 134.0#
77 31.5 56.8 96.8#

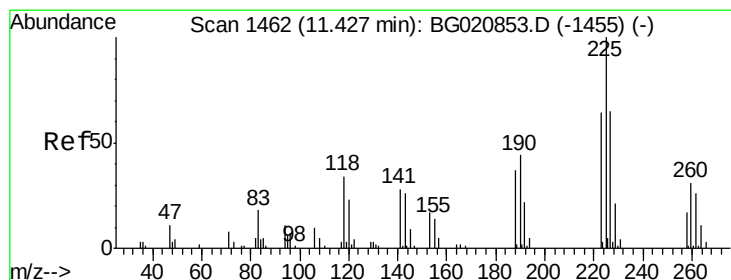
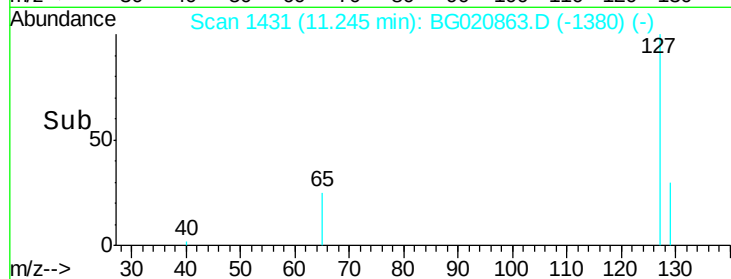
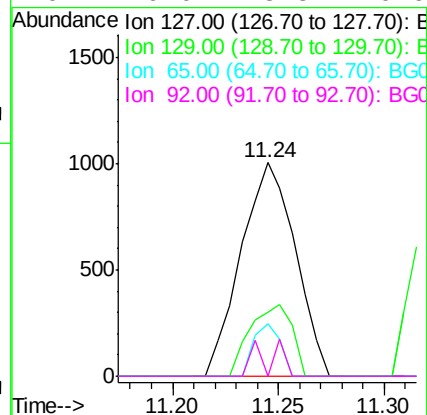
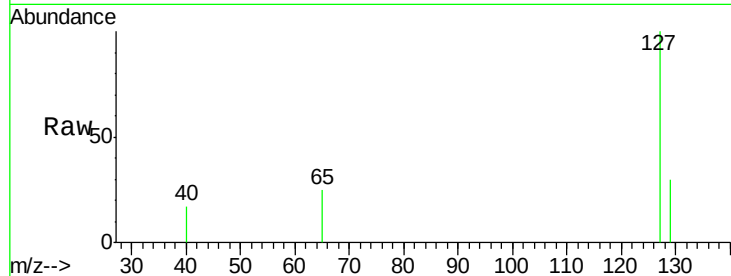




#33
4-Chloroaniline
Concen: 0.80 ng
RT: 11.24 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

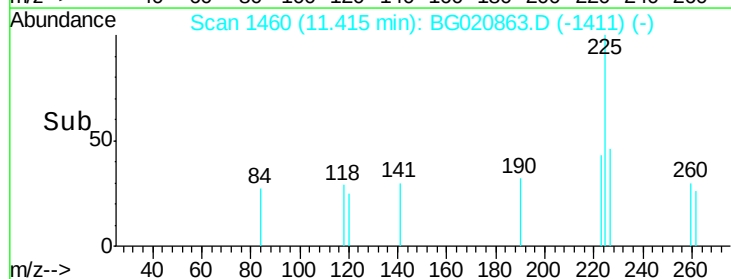
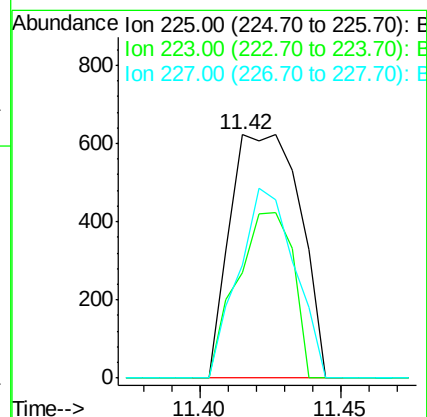
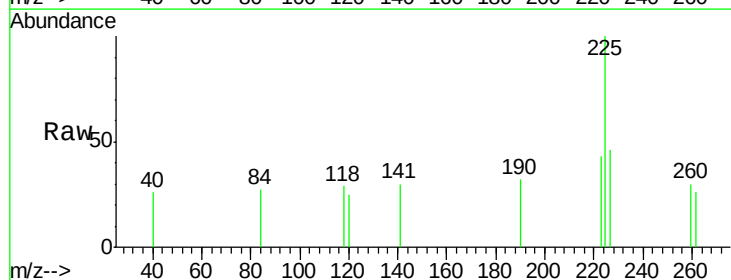
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

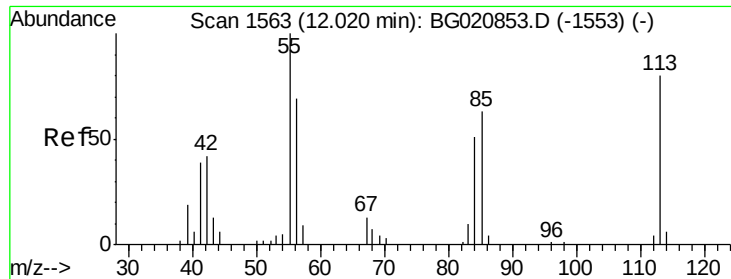
Tgt Ion:	127	Resp:	1790
Ion	Ratio	Lower	Upper
127	100		
129	29.8	26.2	39.4
65	24.6	18.6	27.8
92	0.0	13.3	19.9#



#34
Hexachlorobutadiene
Concen: 1.45 ng
RT: 11.42 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Tgt Ion:	225	Resp:	1071
Ion	Ratio	Lower	Upper
225	100		
223	43.5	51.0	76.6#
227	46.4	51.7	77.5#





#35

Caprolactam

Concen: 1.29 ng

RT: 11.98 min Scan# 1557

Delta R.T. -0.04 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

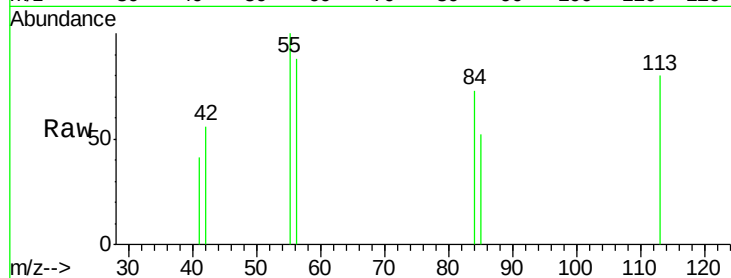
Tgt Ion:113 Resp: 709

Ion Ratio Lower Upper

113 100

55 125.4 104.4 144.4

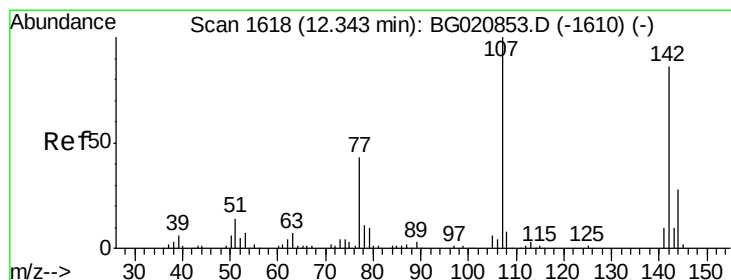
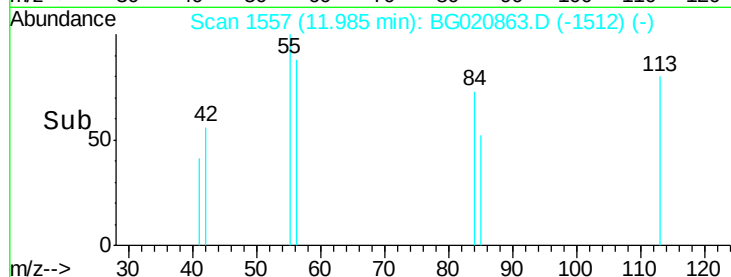
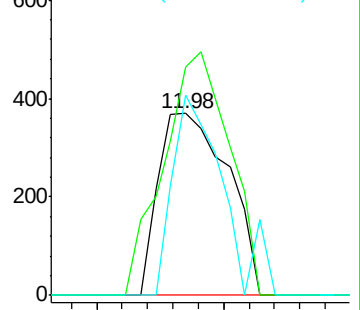
56 110.0 65.4 105.4#



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: 1.59 ng

RT: 12.34 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

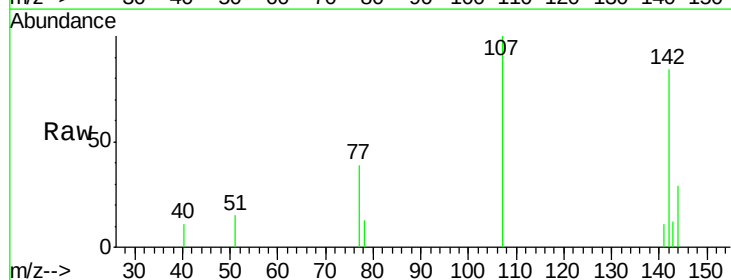
Tgt Ion:107 Resp: 2612

Ion Ratio Lower Upper

107 100

144 29.2 22.4 33.6

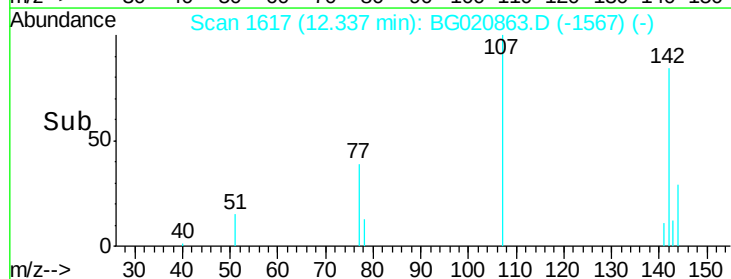
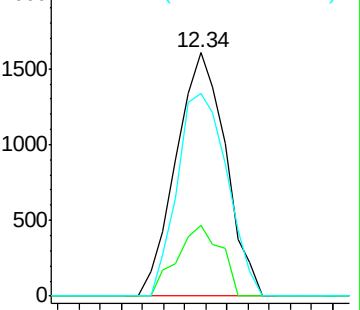
142 83.5 68.6 103.0

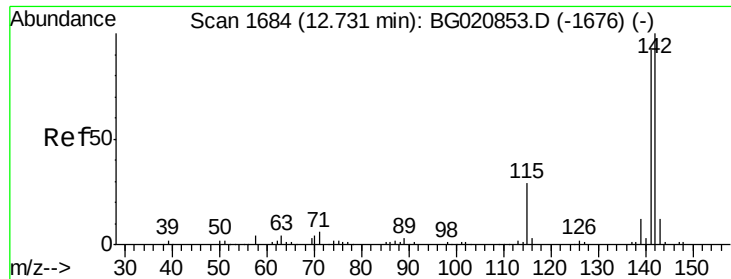


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

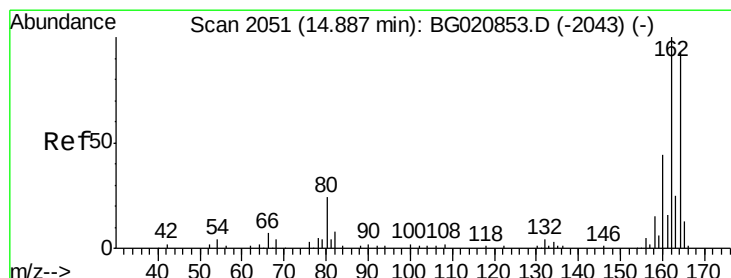
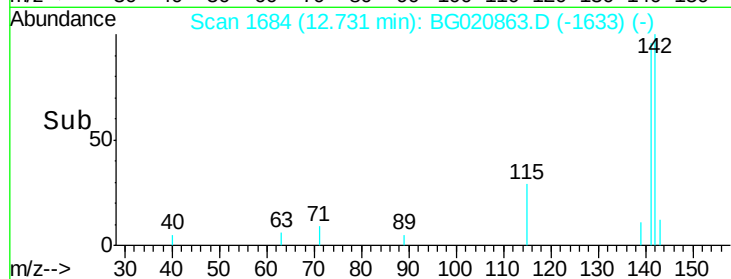
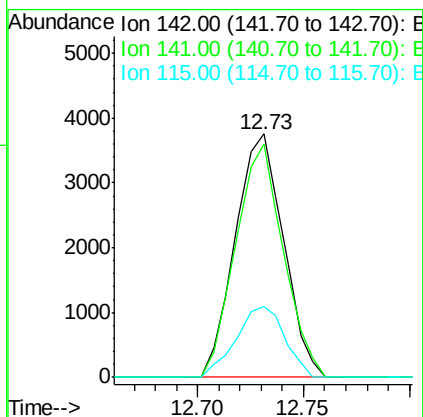
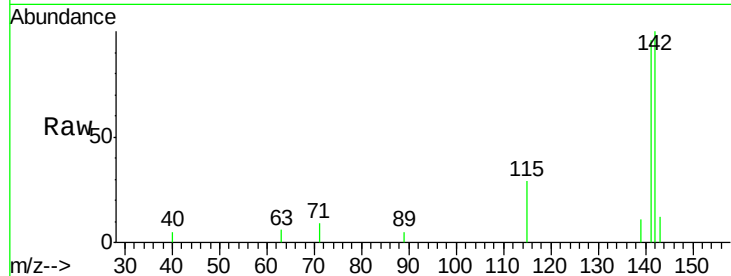




#37
 2-Methylnaphthalene
 Concen: 1.63 ng
 RT: 12.73 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

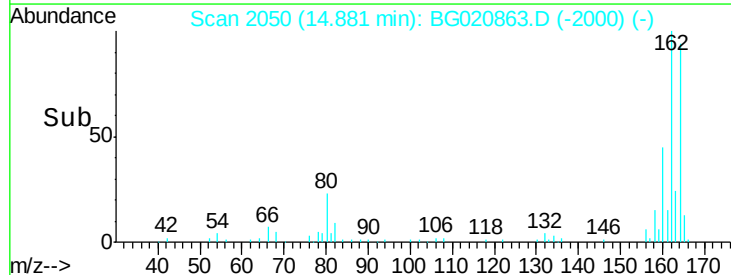
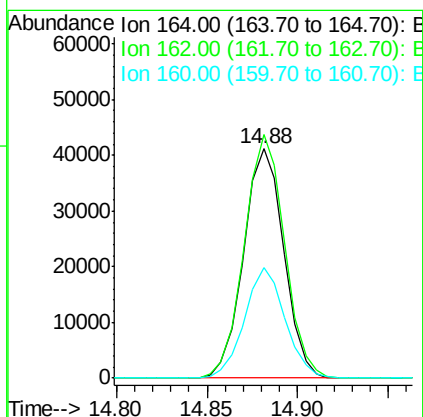
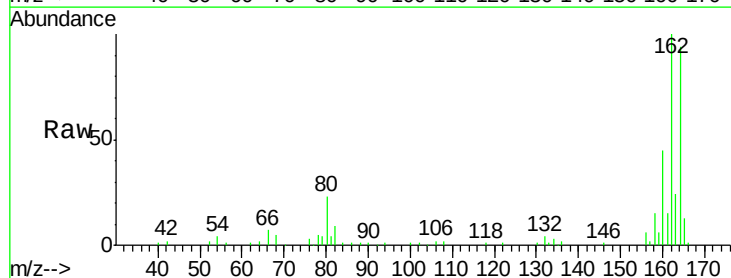
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

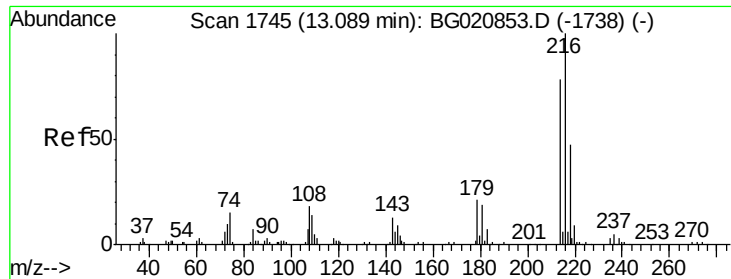
Tgt Ion:142 Resp: 5928
 Ion Ratio Lower Upper
 142 100
 141 95.9 73.4 110.2
 115 29.1 23.0 34.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.88 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

Tgt Ion:164 Resp: 63619
 Ion Ratio Lower Upper
 164 100
 162 106.3 85.7 128.5
 160 48.2 37.4 56.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 1.41 ng

RT: 13.09 min Scan# 1745

Delta R.T. 0.00 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:216 Resp: 2640

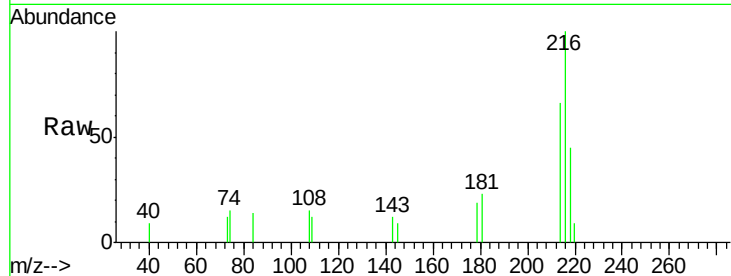
Ion Ratio Lower Upper

216 100

214 72.7 61.9 92.9

179 15.0 16.5 24.7#

108 16.7 15.1 22.7

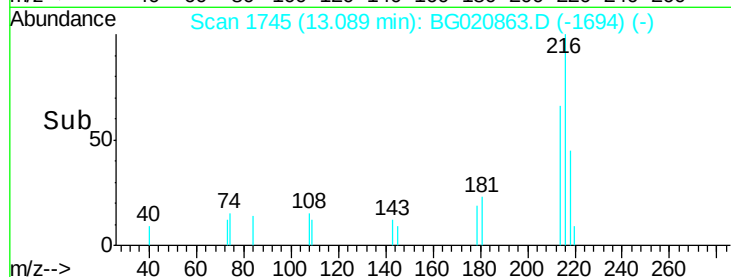


Abundance Ion 216.00 (215.70 to 216.70): E

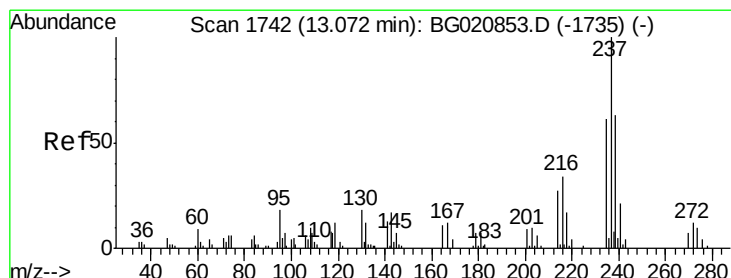
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 0.60 ng

RT: 13.06 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

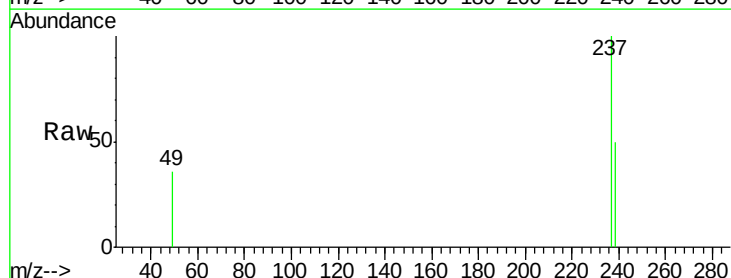
Tgt Ion:237 Resp: 496

Ion Ratio Lower Upper

237 100

235 0.0 40.8 80.8#

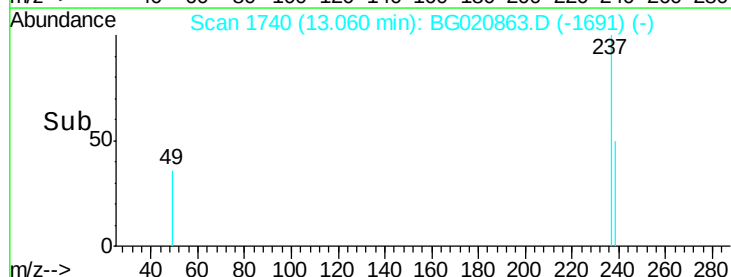
272 0.0 0.0 32.3



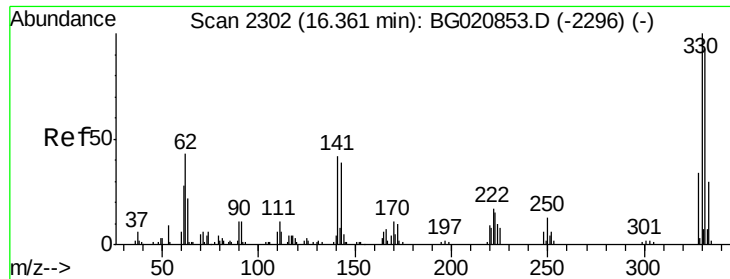
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



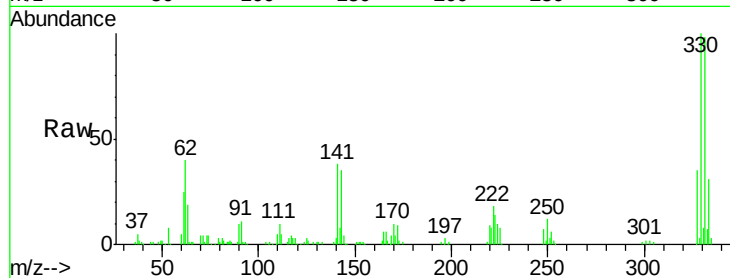
Time-->



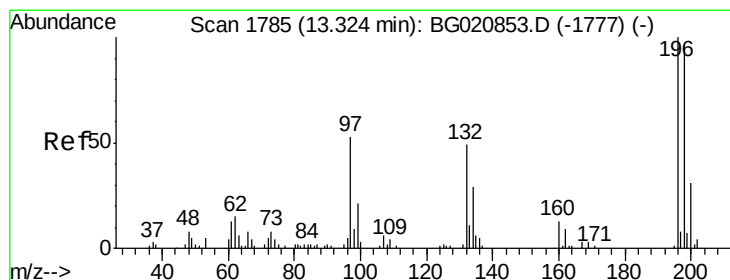
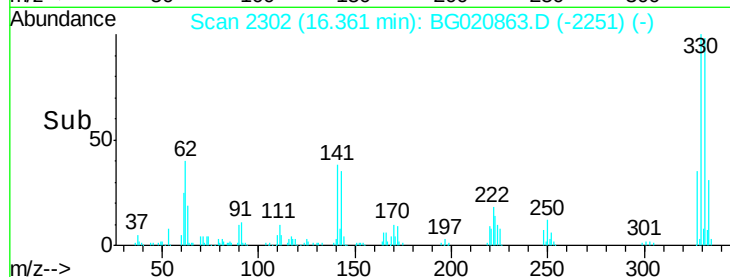
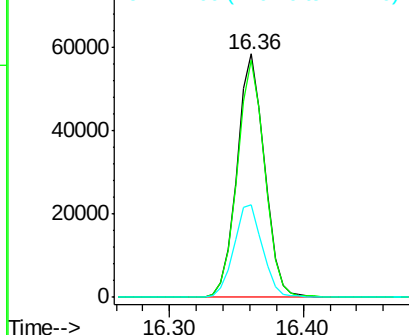
#41
 2,4,6-Tribromophenol
 Concen: 133.07 ng
 RT: 16.36 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:330 Resp: 83253
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.1 114.1
 141 39.9 32.0 48.0

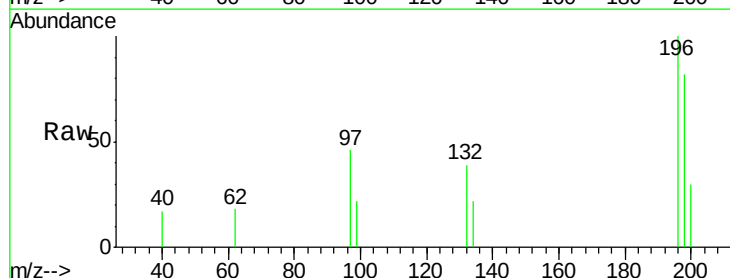


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

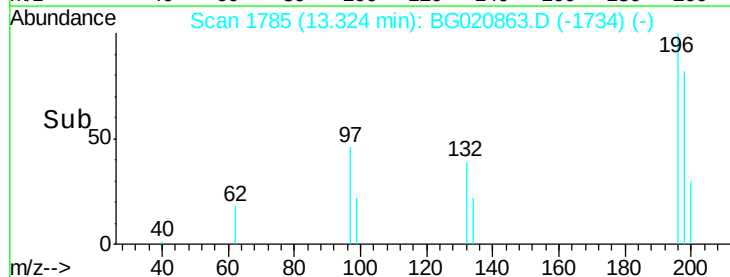
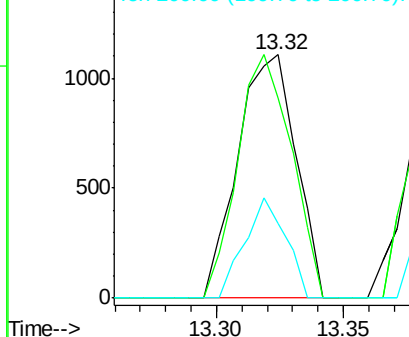


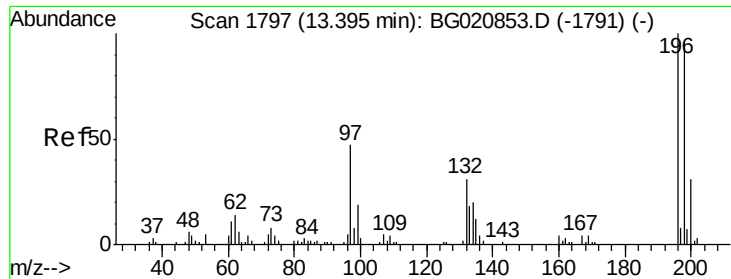
#42
 2,4,6-Trichlorophenol
 Concen: 1.41 ng
 RT: 13.32 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

Tgt Ion:196 Resp: 1766
 Ion Ratio Lower Upper
 196 100
 198 82.1 77.1 115.7
 200 30.4 24.7 37.1



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

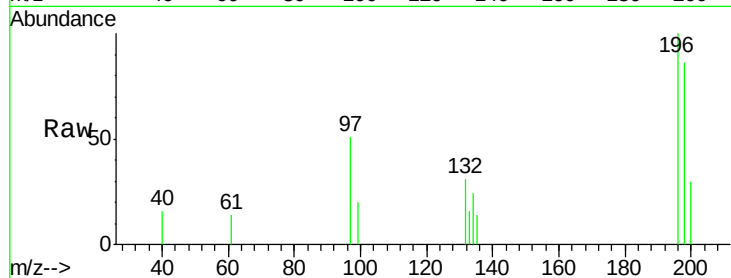




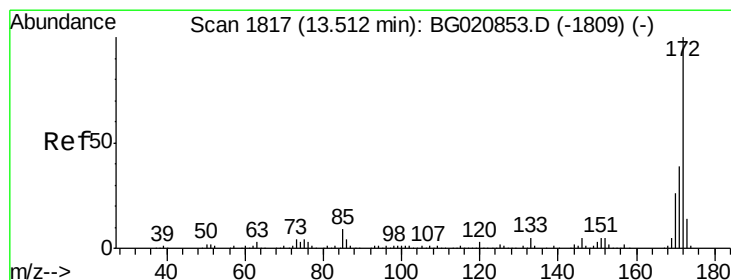
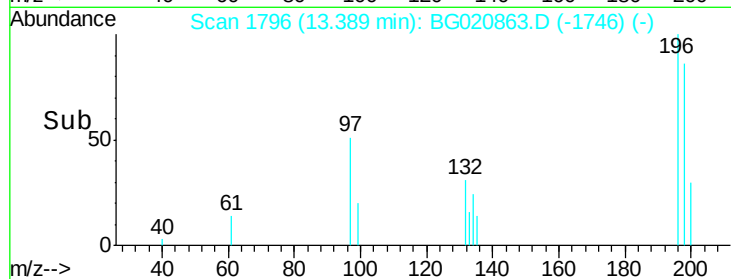
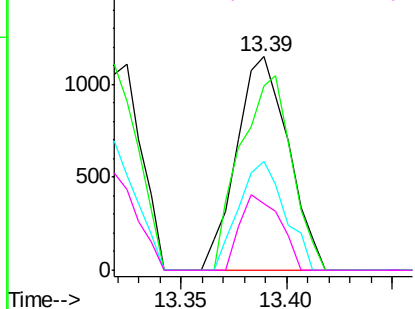
#43
2,4,5-Trichlorophenol
Concen: 1.49 ng
RT: 13.39 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:196 Resp: 1959
Ion Ratio Lower Upper
196 100
198 86.3 76.4 114.6
97 51.0 37.4 56.0
132 31.0 24.7 37.1

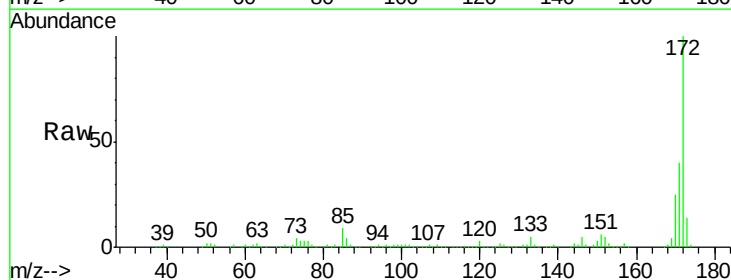


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BGC
Ion 132.00 (131.70 to 132.70): E

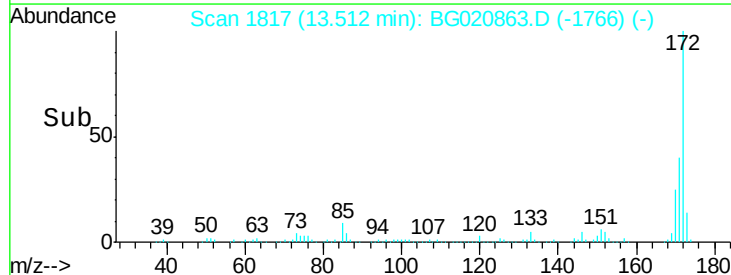
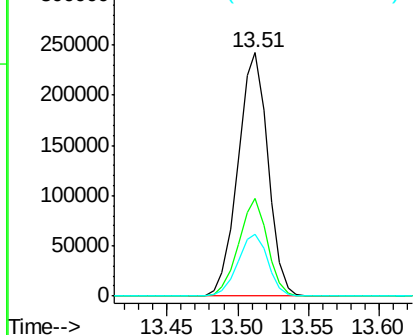


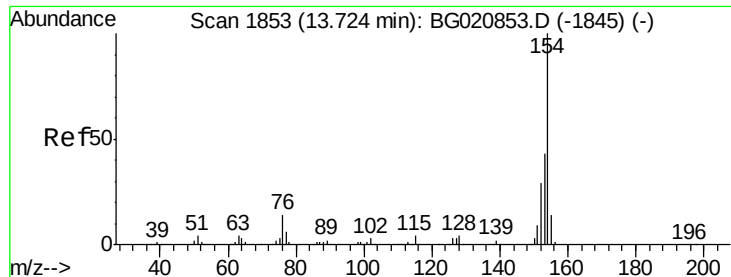
#44
2-Fluorobiphenyl
Concen: 78.98 ng
RT: 13.51 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Tgt Ion:172 Resp: 357682
Ion Ratio Lower Upper
172 100
171 40.0 31.2 46.8
170 25.4 20.6 30.8



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 1.45 ng

RT: 13.72 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

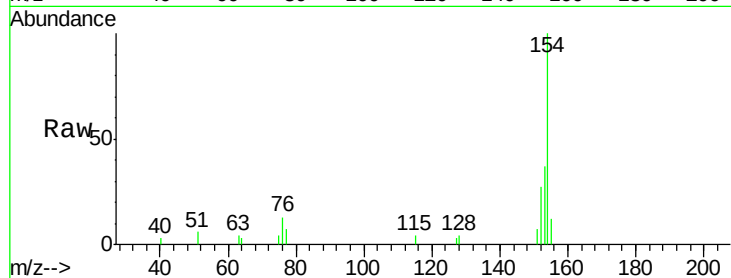
Tgt Ion:154 Resp: 8137

Ion Ratio Lower Upper

154 100

153 36.9 22.5 62.5

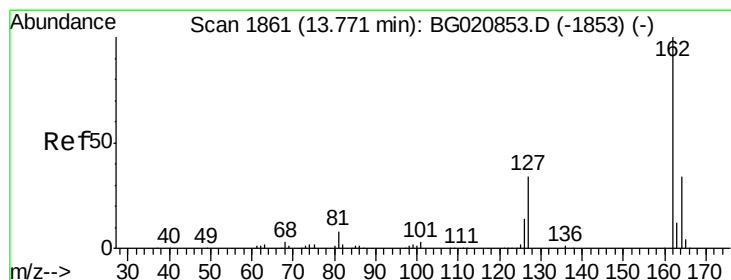
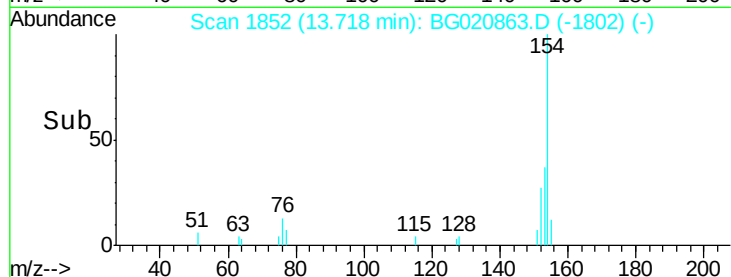
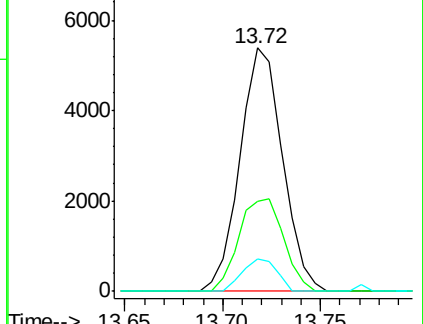
76 13.4 0.0 33.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#46

2-Chloronaphthalene

Concen: 1.49 ng

RT: 13.77 min Scan# 1861

Delta R.T. 0.00 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

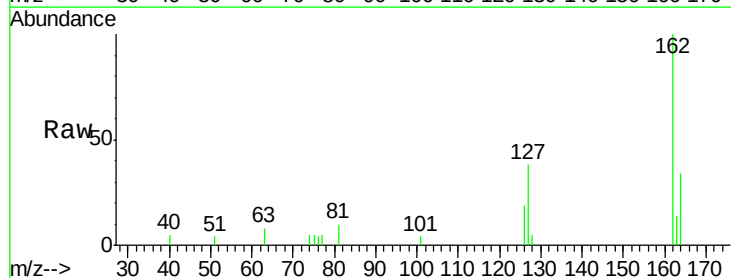
Tgt Ion:162 Resp: 5975

Ion Ratio Lower Upper

162 100

127 38.2 30.6 45.8

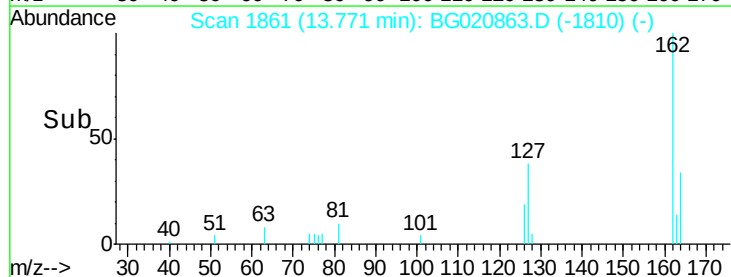
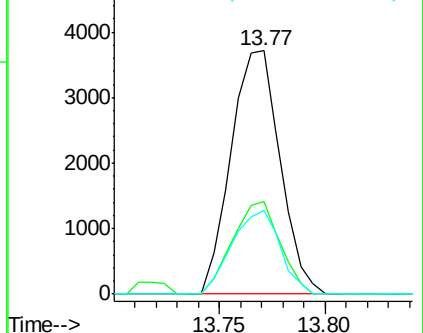
164 34.4 26.8 40.2

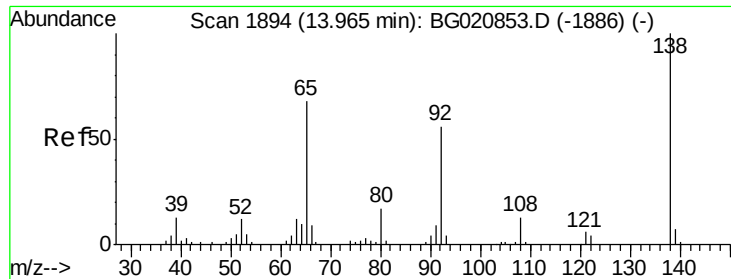


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

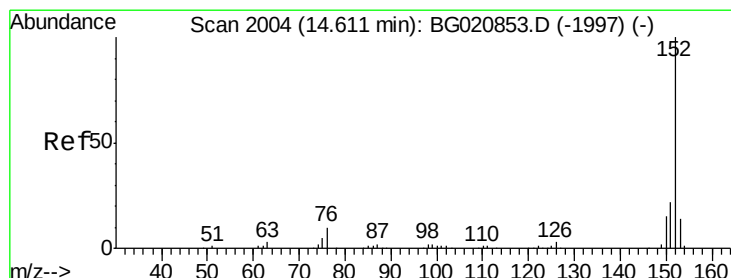
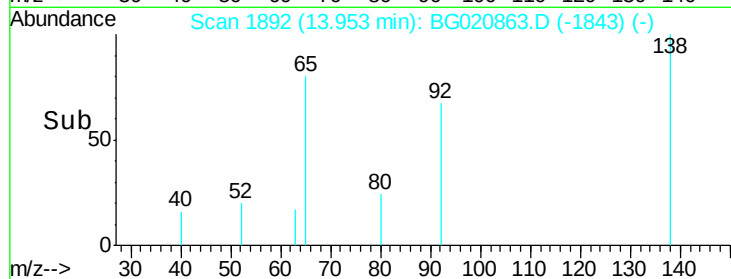
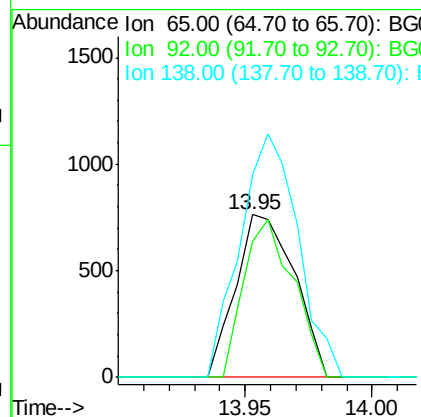
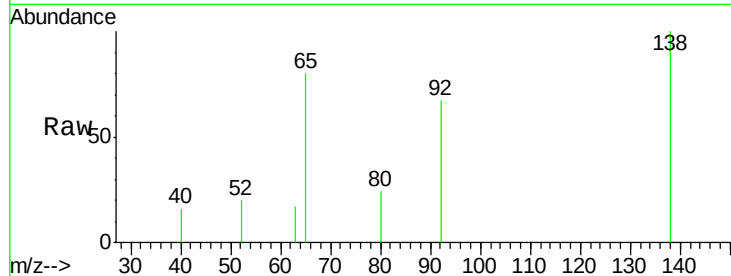




#47
 2-Nitroaniline
 Concen: 1.28 ng
 RT: 13.95 min Scan# 1892
 Delta R.T. -0.01 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

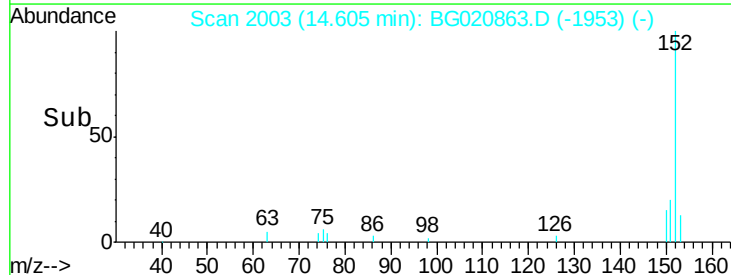
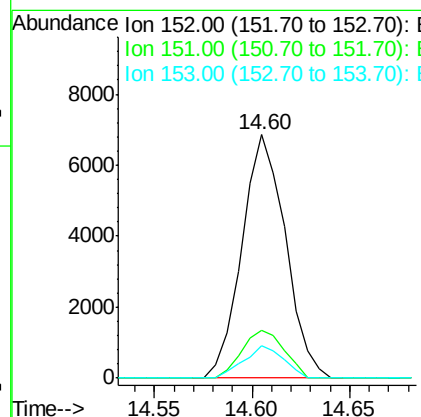
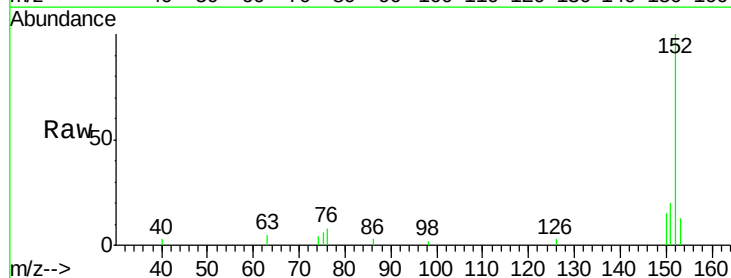
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

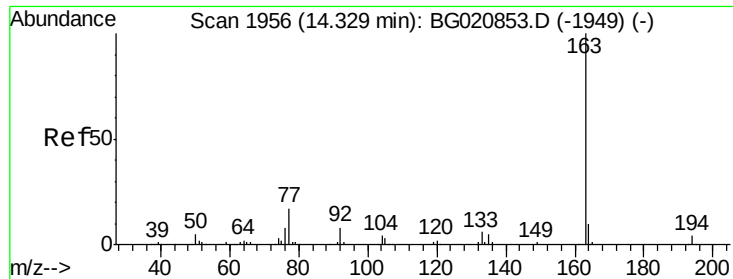
Tgt Ion: 65 Resp: 1232
 Ion Ratio Lower Upper
 65 100
 92 83.8 65.8 98.8
 138 124.5 117.1 175.7



#48
 Acenaphthylene
 Concen: 1.51 ng
 RT: 14.60 min Scan# 2003
 Delta R.T. -0.01 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

Tgt Ion: 152 Resp: 10556
 Ion Ratio Lower Upper
 152 100
 151 19.8 17.5 26.3
 153 13.1 10.9 16.3





#49

Dimethylphthalate

Concen: 1.49 ng

RT: 14.32 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

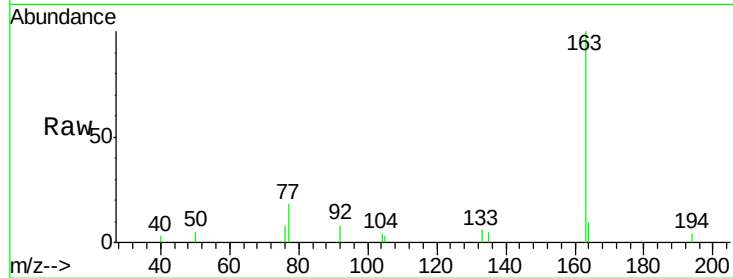
Tgt Ion:163 Resp: 7431

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

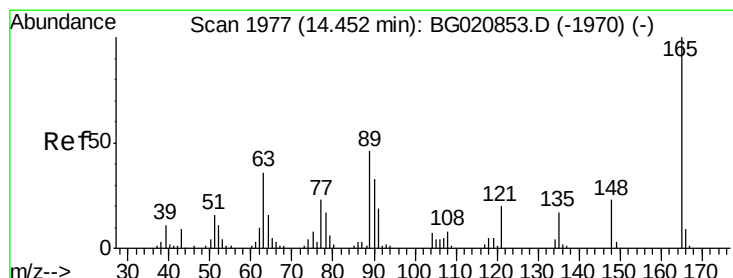
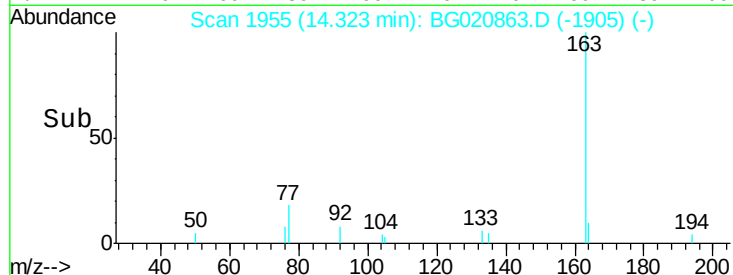
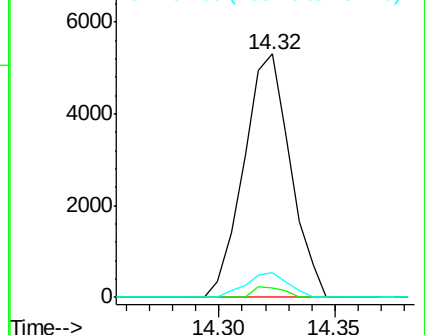
164 10.0 8.3 12.5



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



#50

2,6-Dinitrotoluene

Concen: 1.27 ng

RT: 14.45 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

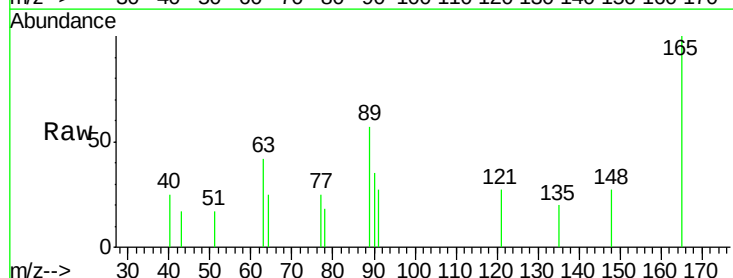
Tgt Ion:165 Resp: 1350

Ion Ratio Lower Upper

165 100

63 42.1 30.3 45.5

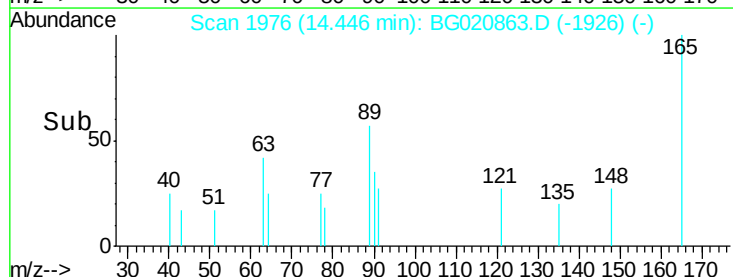
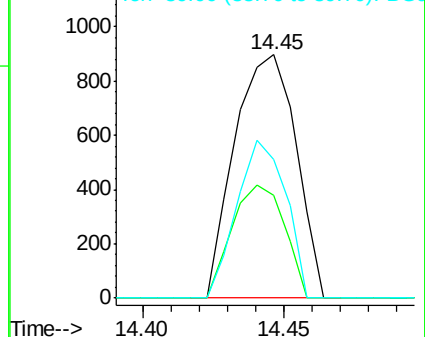
89 56.7 36.9 55.3#

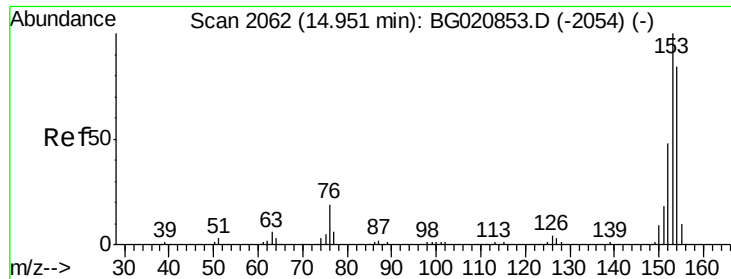


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#51

Acenaphthene

Concen: 1.42 ng

RT: 14.95 min Scan# 2061

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

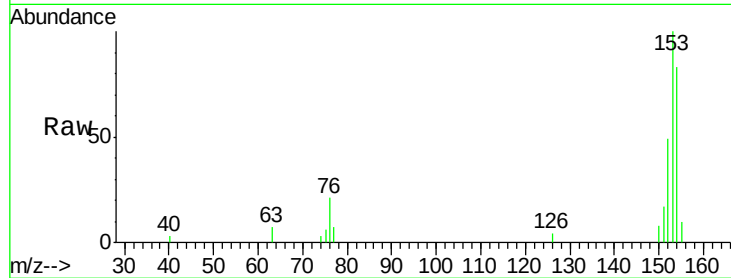
Tgt Ion:154 Resp: 6021

Ion Ratio Lower Upper

154 100

153 120.2 95.4 143.0

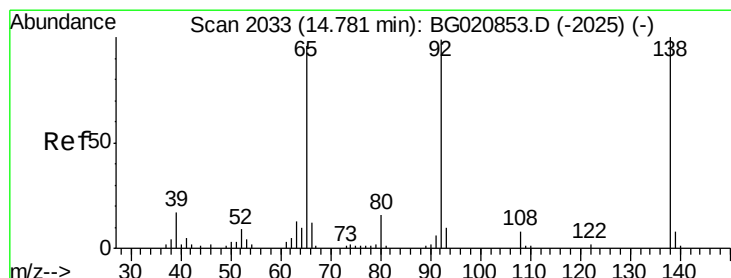
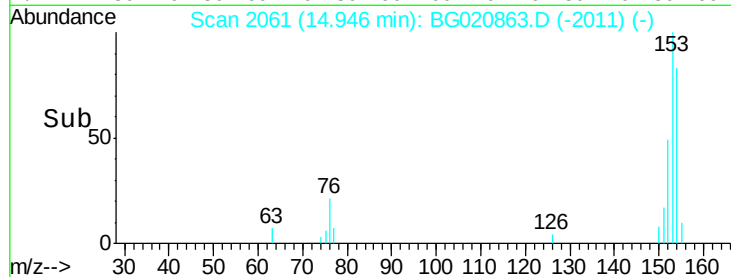
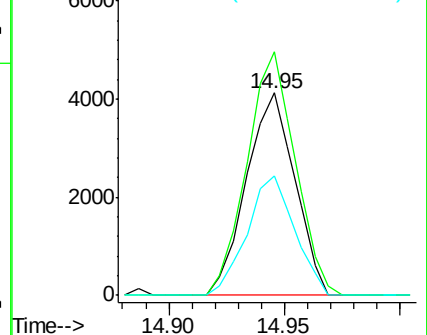
152 59.0 46.1 69.1



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



#52

3-Nitroaniline

Concen: 1.23 ng

RT: 14.78 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

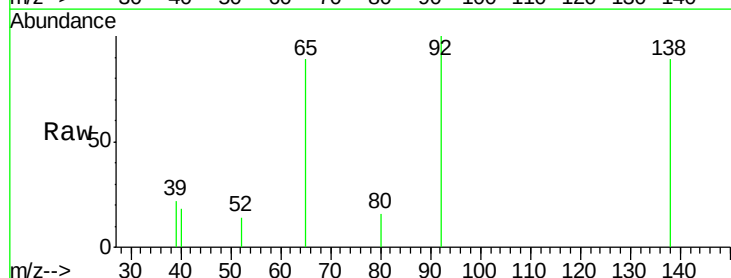
Tgt Ion:138 Resp: 1523

Ion Ratio Lower Upper

138 100

108 0.0 6.2 9.2#

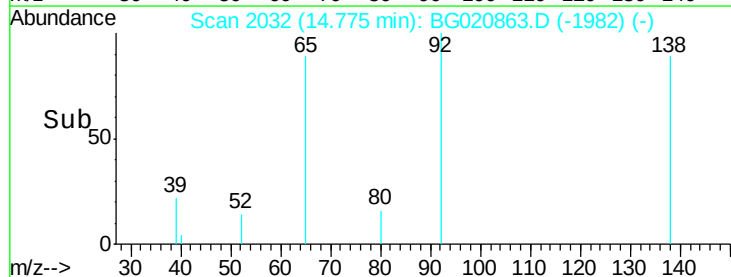
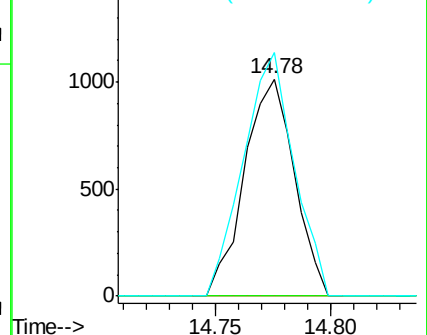
92 112.0 79.5 119.3

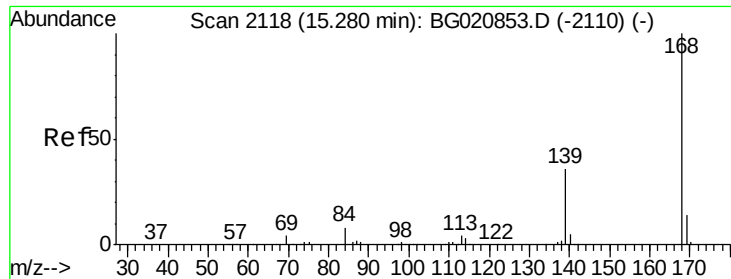


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG





#54

Dibenzenofuran

Concen: 1.73 ng

RT: 15.27 min Scan# 2117

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

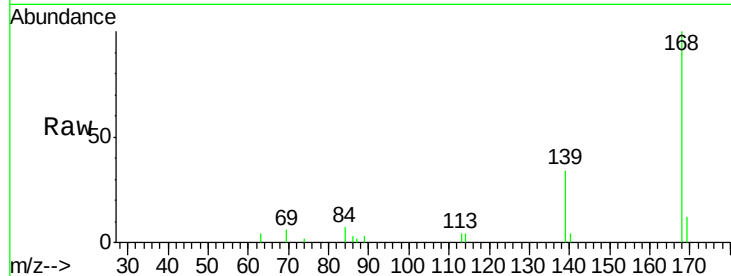
Tgt Ion:168 Resp: 9716

Ion Ratio Lower Upper

168 100

139 33.9 28.5 42.7

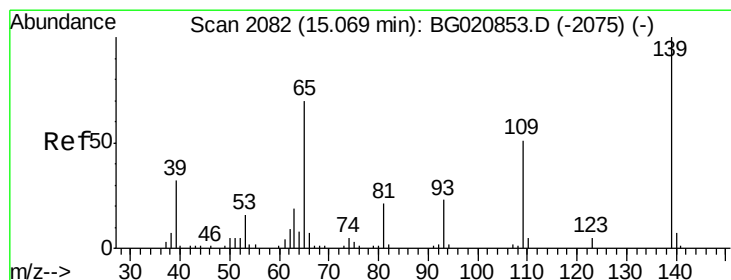
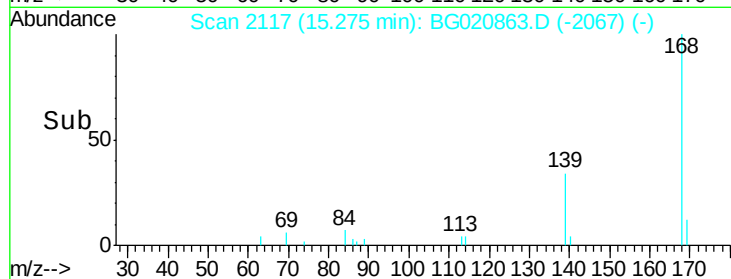
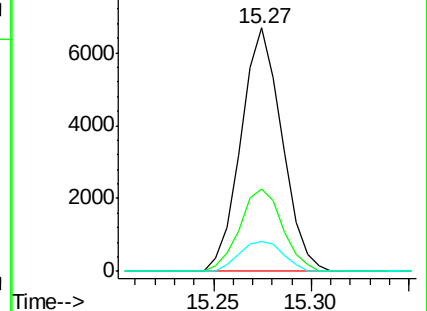
169 12.0 11.0 16.4



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



#55

4-Nitrophenol

Concen: 0.80 ng

RT: 15.06 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

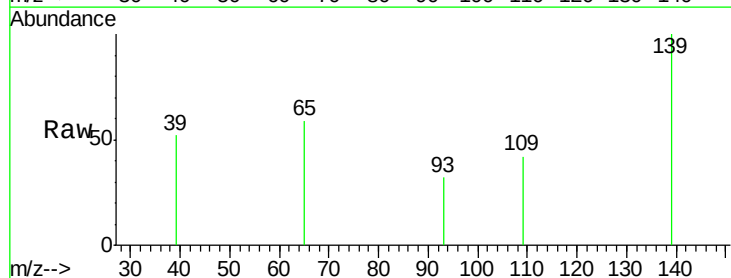
Tgt Ion:139 Resp: 746

Ion Ratio Lower Upper

139 100

109 42.4 31.0 71.0

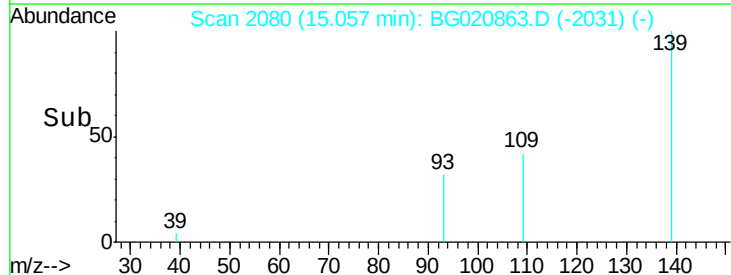
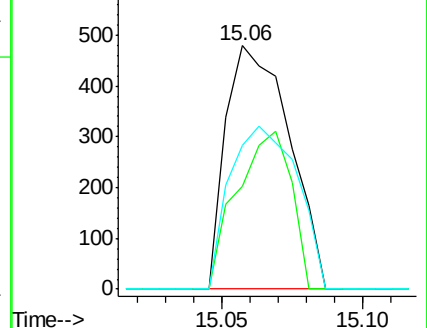
65 59.1 49.6 89.6

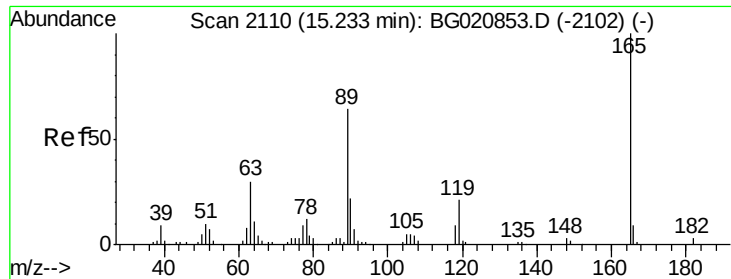


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

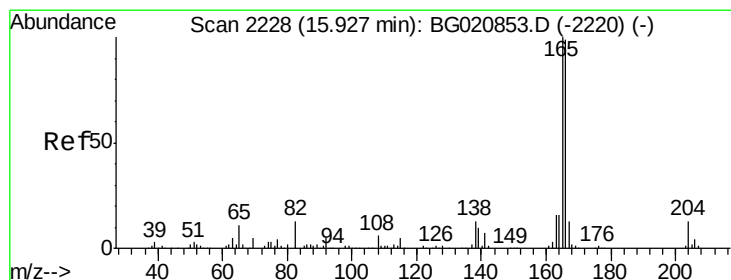
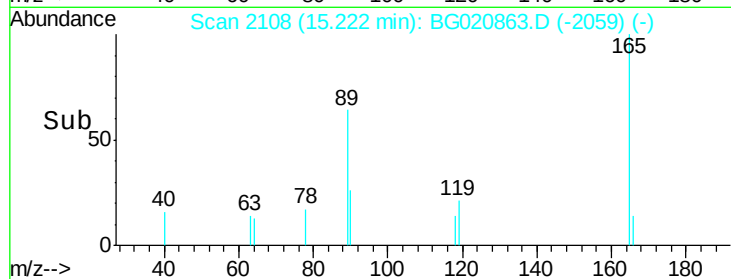
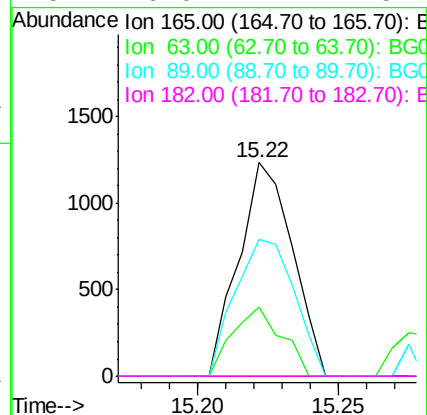
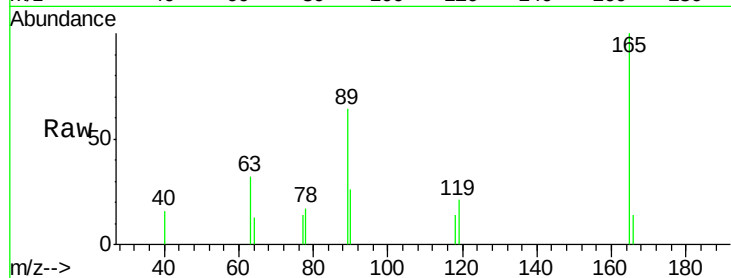




#56
2,4-Dinitrotoluene
Concen: 1.18 ng
RT: 15.22 min Scan# 2108
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

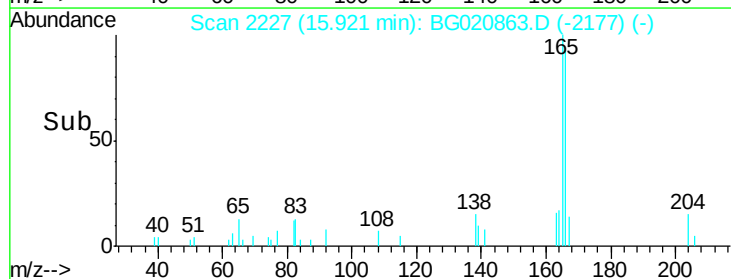
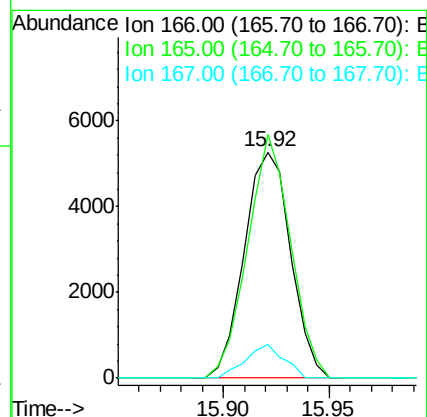
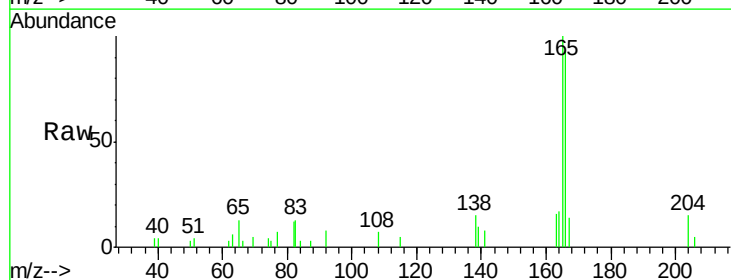
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

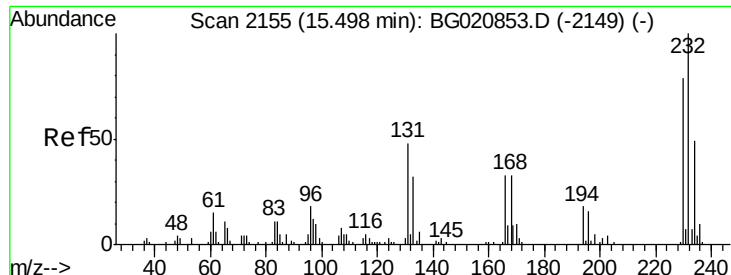
Tgt Ion:165 Resp: 1630
Ion Ratio Lower Upper
165 100
63 32.1 23.7 35.5
89 63.9 50.9 76.3
182 0.0 2.2 3.2#



#57
Fluorene
Concen: 1.56 ng
RT: 15.92 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Tgt Ion:166 Resp: 8025
Ion Ratio Lower Upper
166 100
165 107.8 81.0 121.4
167 15.1 10.8 16.2

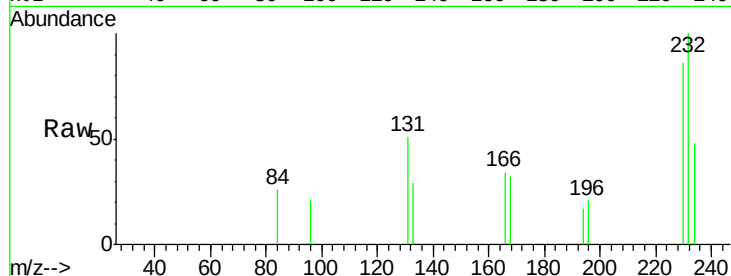




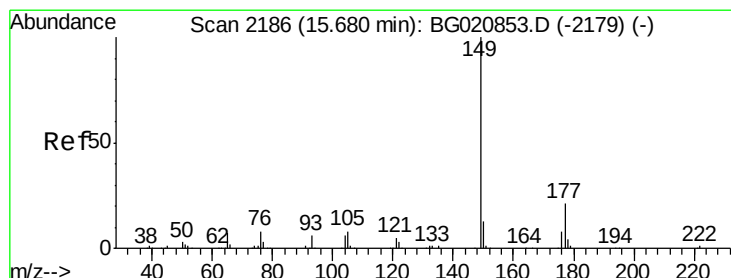
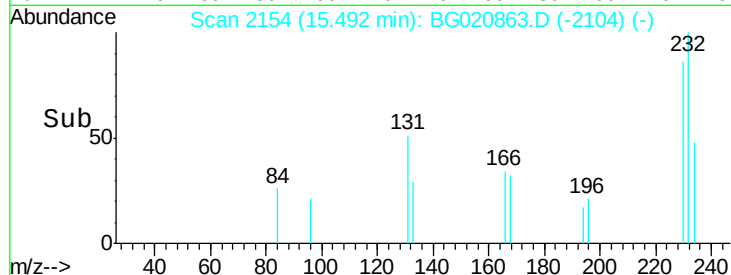
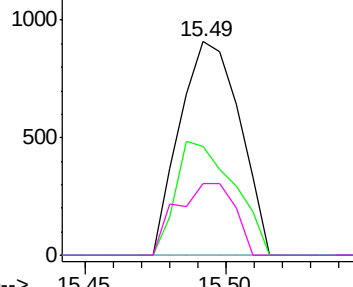
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 1.34 ng
 RT: 15.49 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion: 232 Resp: 1341
 Ion Ratio Lower Upper
 232 100
 131 51.5 39.2 58.8
 130 0.0 2.0 3.0#
 166 32.6 25.8 38.8

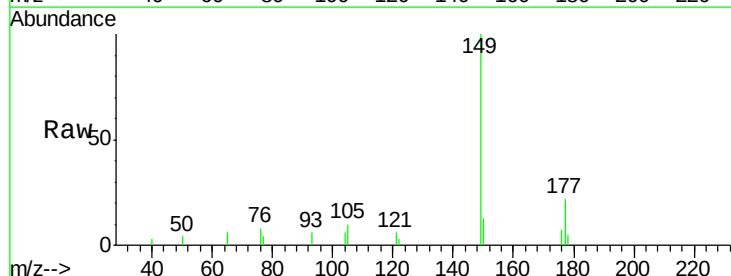


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

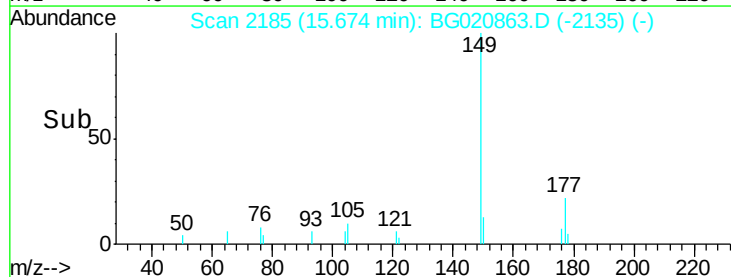
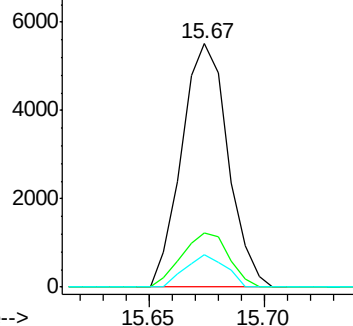


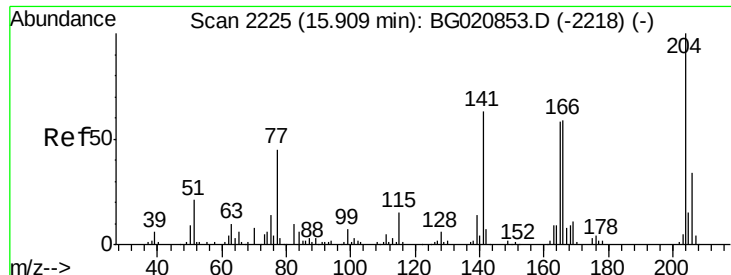
#59
 Diethylphthalate
 Concen: 1.51 ng
 RT: 15.67 min Scan# 2185
 Delta R.T. -0.01 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

Tgt Ion: 149 Resp: 7700
 Ion Ratio Lower Upper
 149 100
 177 22.0 16.9 25.3
 150 13.1 10.1 15.1



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

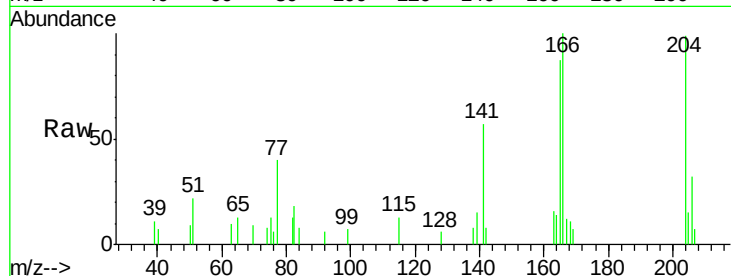




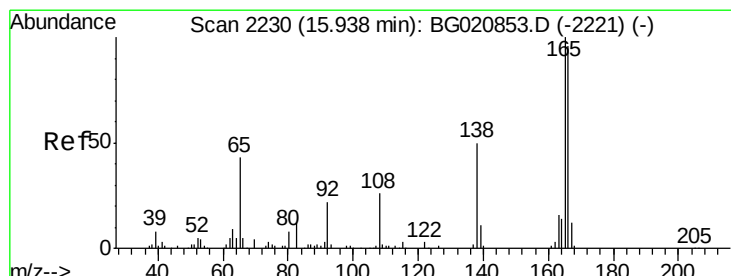
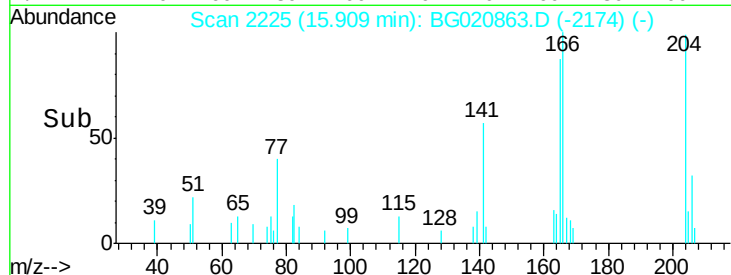
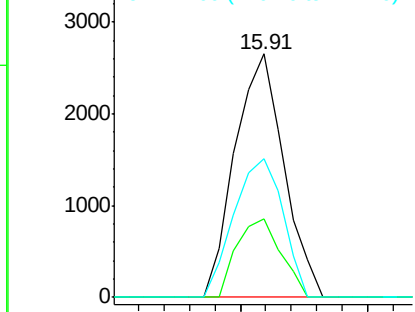
#60
 4-Chlorophenyl-phenylether
 Concen: 1.56 ng
 RT: 15.91 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion: 204 Resp: 3566
 Ion Ratio Lower Upper
 204 100
 206 32.2 26.9 40.3
 141 57.0 50.3 75.5

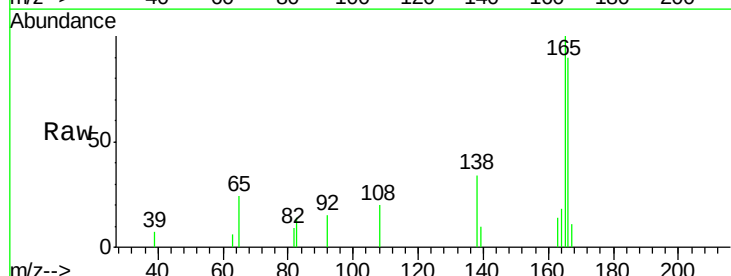


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

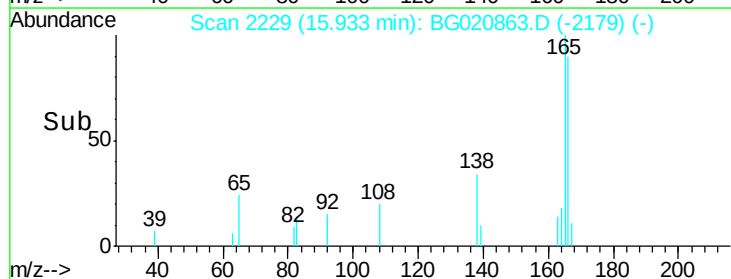
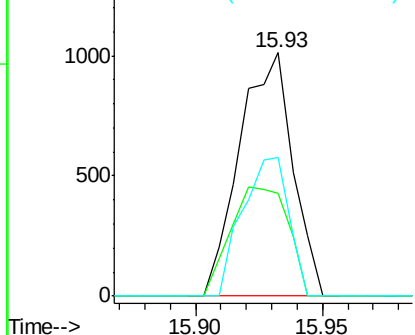


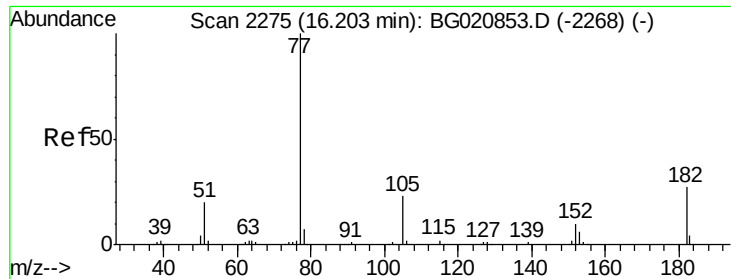
#61
 4-Nitroaniline
 Concen: 1.19 ng
 RT: 15.93 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

Tgt Ion: 138 Resp: 1478
 Ion Ratio Lower Upper
 138 100
 92 42.3 24.1 64.1
 108 56.9 32.4 72.4



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





#62

Azobenzene

Concen: 1.67 ng

RT: 16.20 min Scan# 2275

Delta R.T. 0.00 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion: 77 Resp: 6707

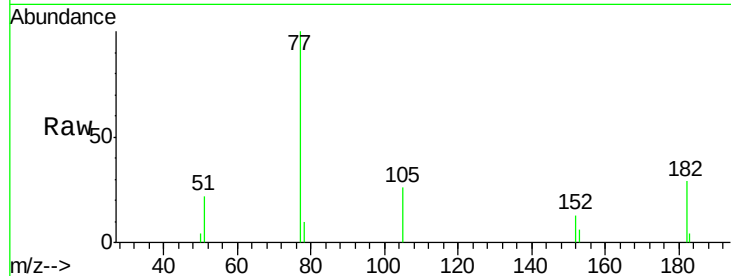
Ion Ratio Lower Upper

77 100

182 29.0 6.8 46.8

105 25.6 3.4 43.4

51 21.9 0.0 39.9

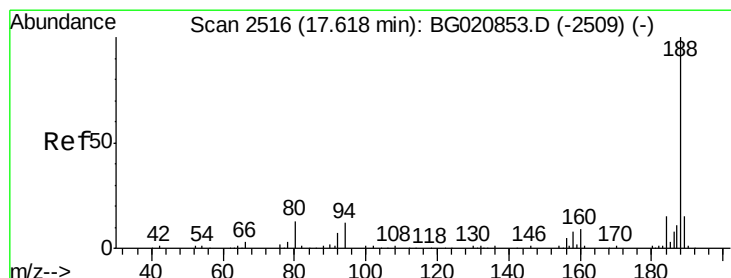
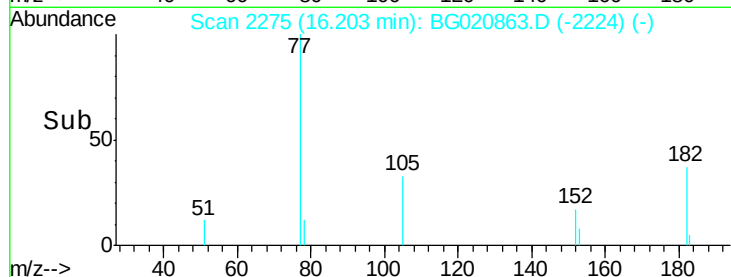
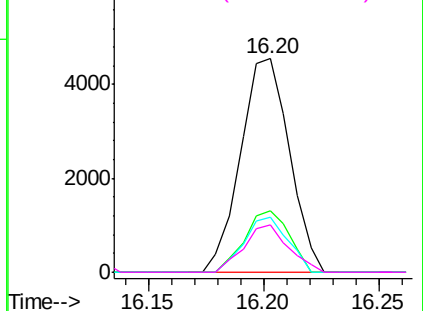


Abundance Ion 77.00 (76.70 to 77.70): BGC

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.62 min Scan# 2516

Delta R.T. 0.00 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

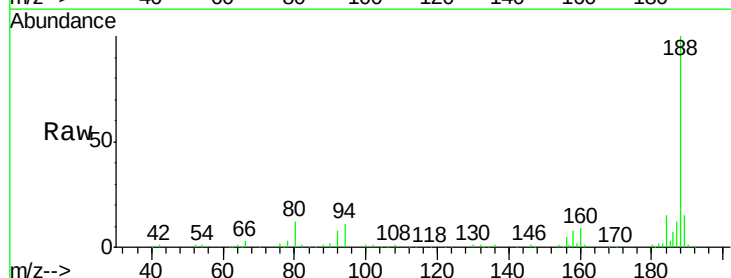
Tgt Ion: 188 Resp: 133781

Ion Ratio Lower Upper

188 100

94 11.4 9.4 14.0

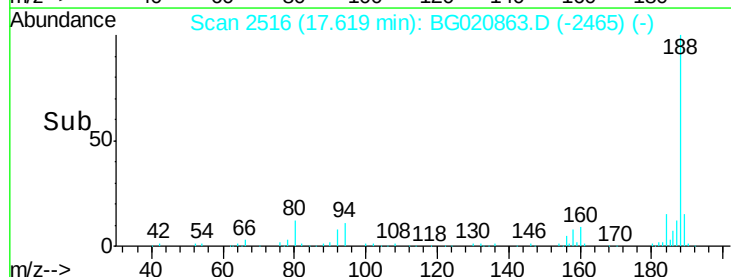
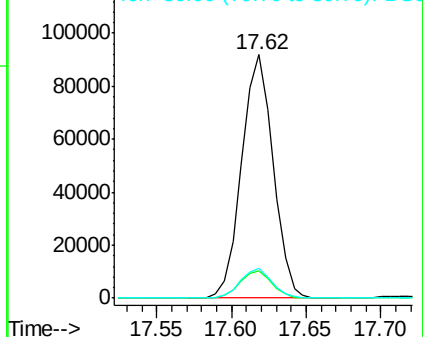
80 12.1 10.2 15.4

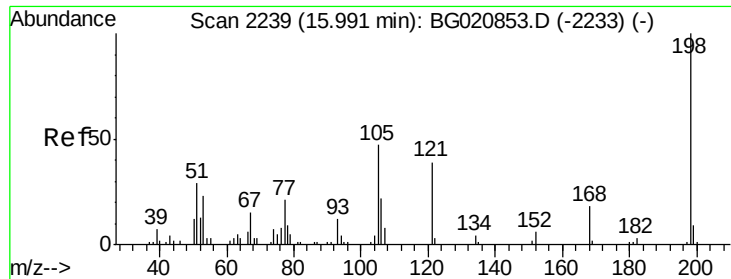


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 5.76 ng

RT: 15.99 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

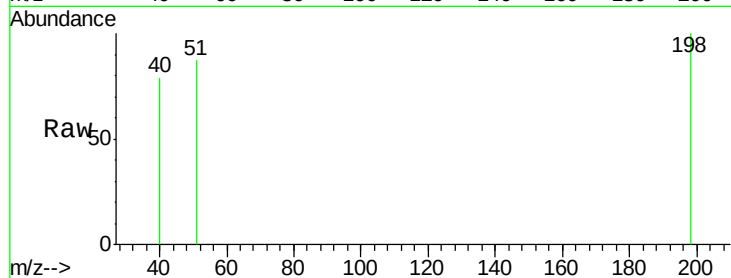
Tgt Ion:198 Resp: 186

Ion Ratio Lower Upper

198 100

51 87.4 10.6 50.6#

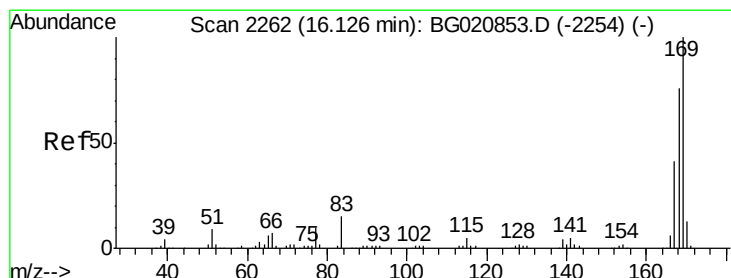
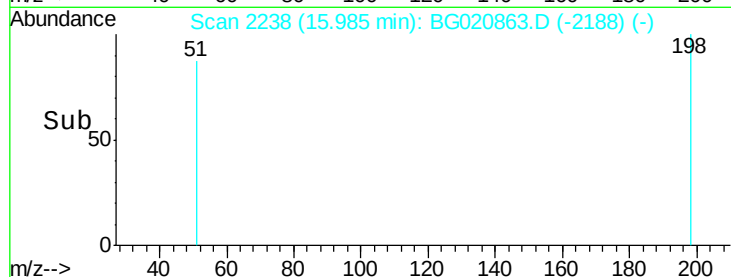
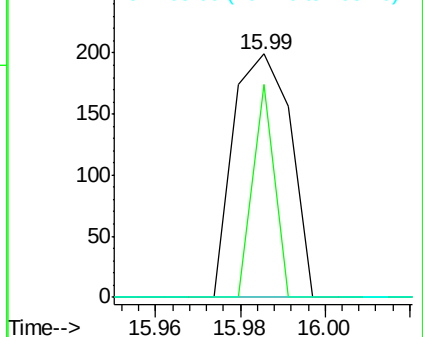
105 0.0 27.0 67.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 1.53 ng

RT: 16.12 min Scan# 2261

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

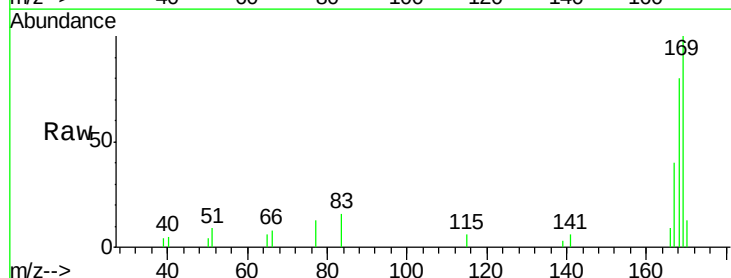
Tgt Ion:169 Resp: 6614

Ion Ratio Lower Upper

169 100

168 79.7 60.7 91.1

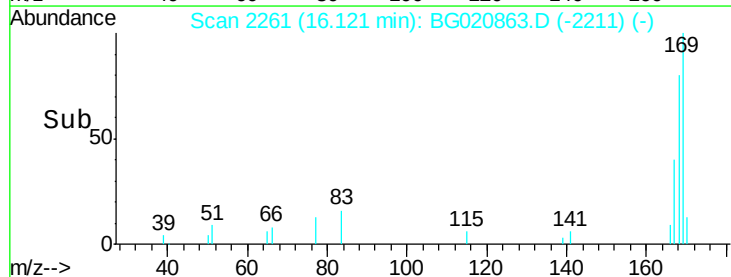
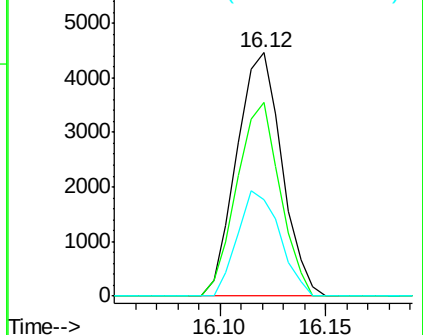
167 39.5 32.8 49.2

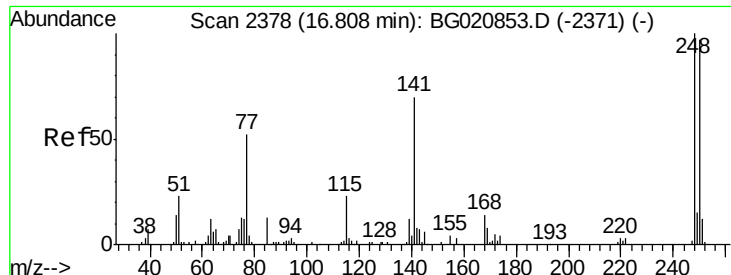


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

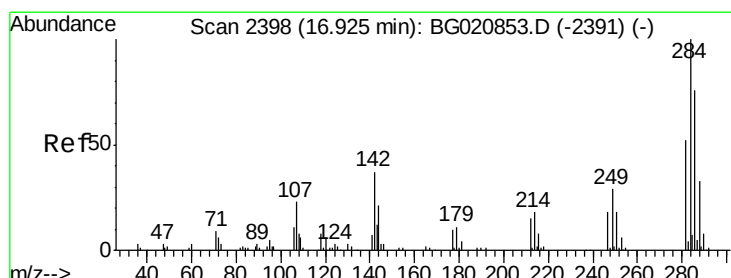
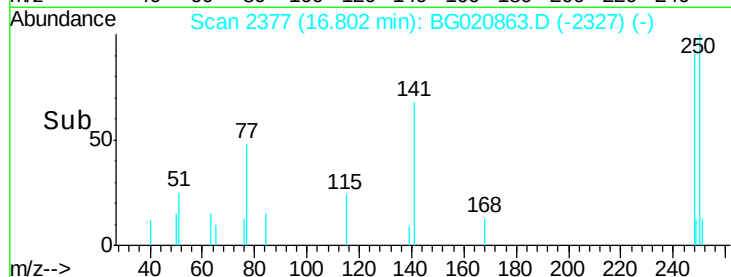
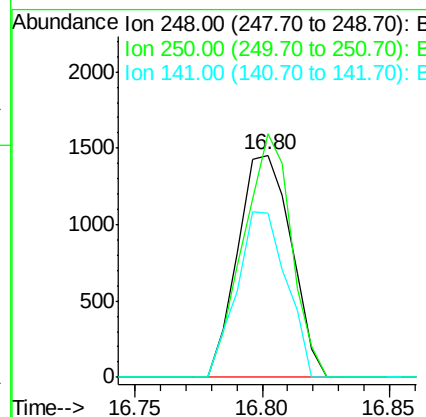
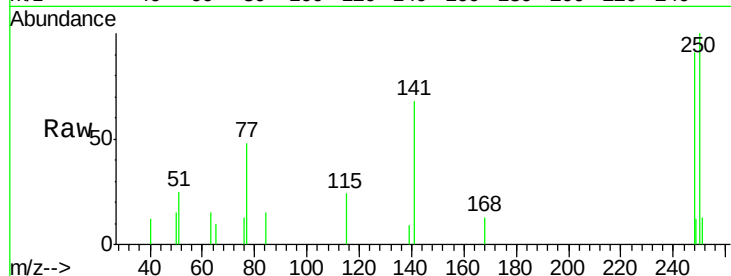




#66
 4-Bromophenyl-phenylether
 Concen: 1.51 ng
 RT: 16.80 min Scan# 2377
 Delta R.T. -0.01 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

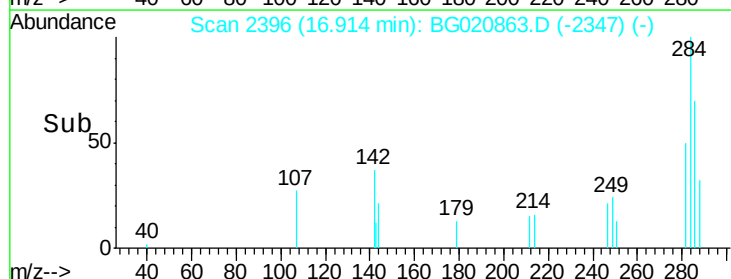
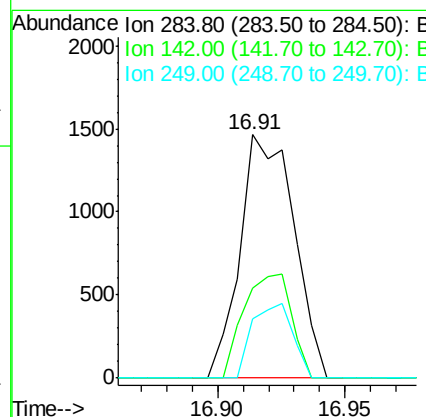
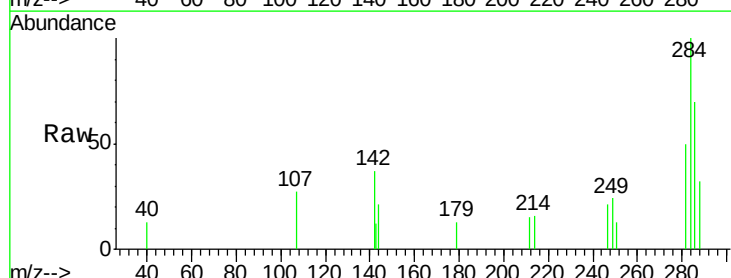
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

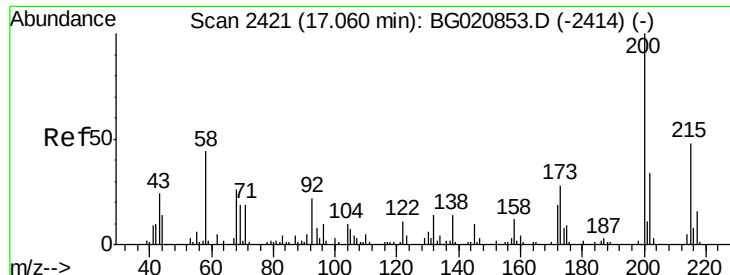
Tgt Ion:248 Resp: 2138
 Ion Ratio Lower Upper
 248 100
 250 109.5 77.4 116.2
 141 74.1 55.7 83.5



#67
 Hexachlorobenzene
 Concen: 1.44 ng
 RT: 16.91 min Scan# 2396
 Delta R.T. -0.01 min
 Lab File: BG020863.D
 Acq: 11 Feb 2016 19:28

Tgt Ion:284 Resp: 2161
 Ion Ratio Lower Upper
 284 100
 142 37.0 29.9 44.9
 249 24.2 23.3 34.9

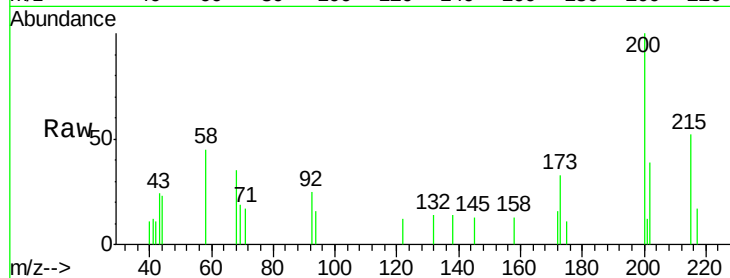




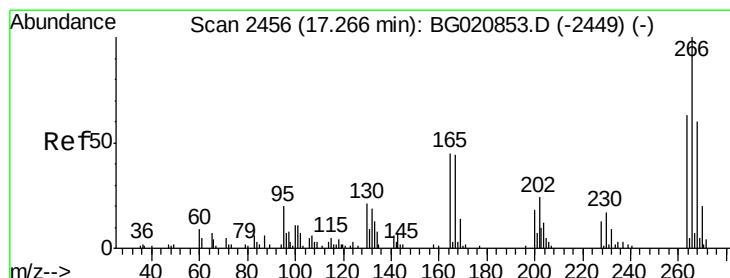
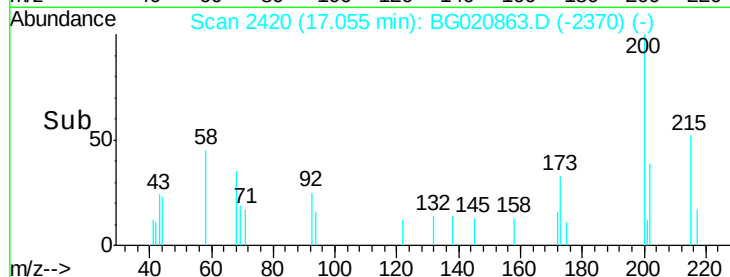
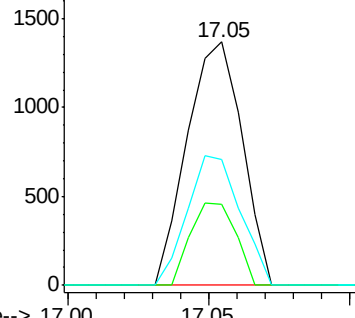
#68
Atrazine
Concen: 1.41 ng
RT: 17.05 min Scan# 2420
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:200 Resp: 1850
Ion Ratio Lower Upper
200 100
173 33.1 8.4 48.4
215 51.6 28.2 68.2

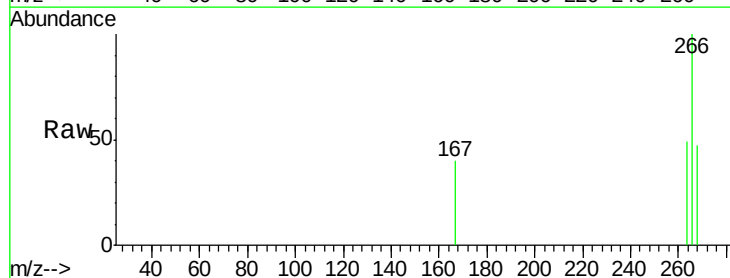


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

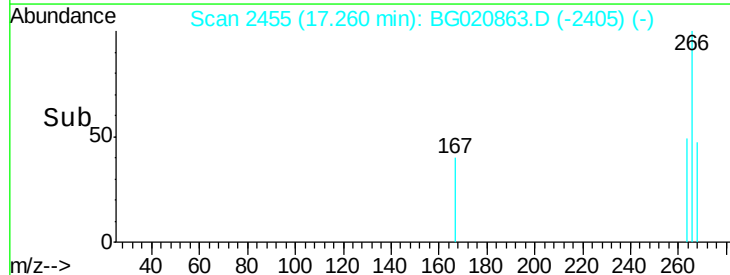
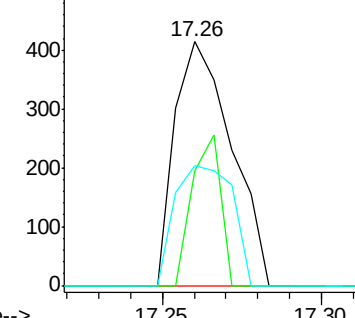


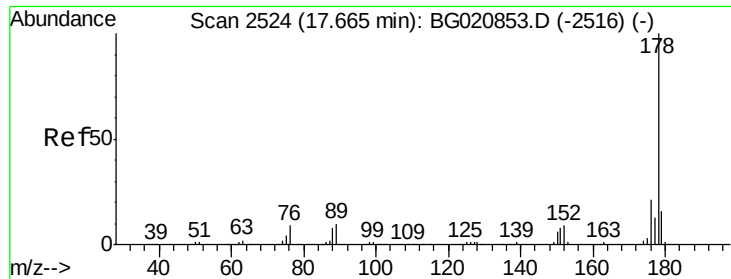
#69
Pentachlorophenol
Concen: 0.59 ng
RT: 17.26 min Scan# 2455
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Tgt Ion:266 Resp: 511
Ion Ratio Lower Upper
266 100
268 47.1 47.8 71.6#
264 49.0 50.2 75.4#



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





#70

Phenanthrene

Concen: 1.60 ng

RT: 17.66 min Scan# 2523

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

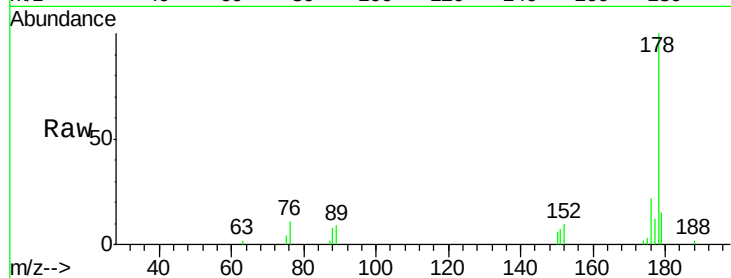
Tgt Ion:178 Resp: 12167

Ion Ratio Lower Upper

178 100

176 22.4 16.8 25.2

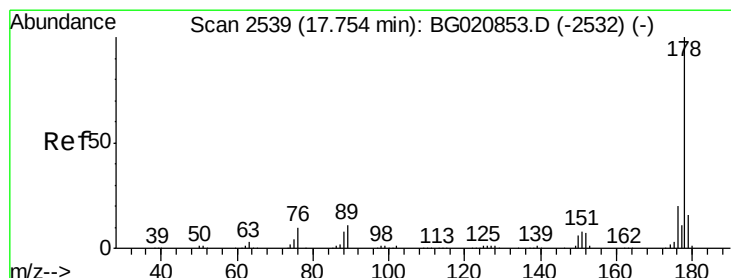
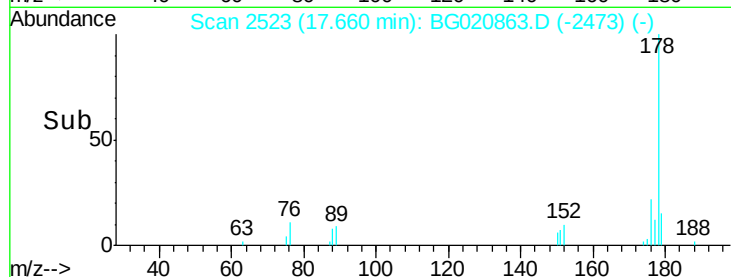
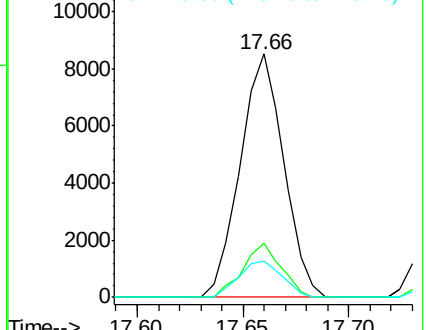
179 15.0 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 1.51 ng

RT: 17.75 min Scan# 2538

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

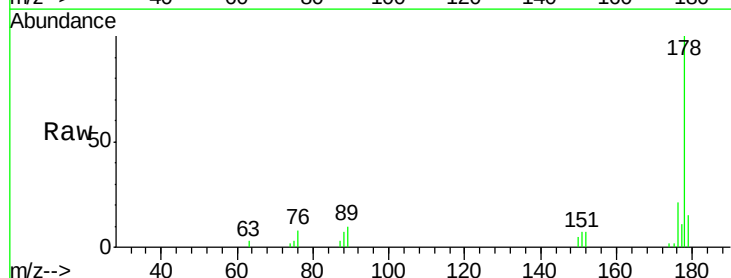
Tgt Ion:178 Resp: 11672

Ion Ratio Lower Upper

178 100

176 20.6 16.2 24.4

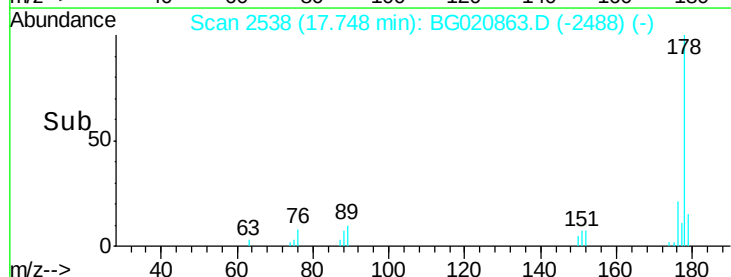
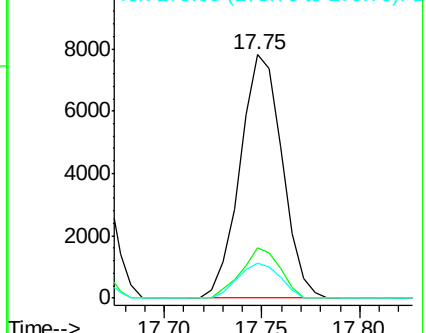
179 14.6 12.7 19.1

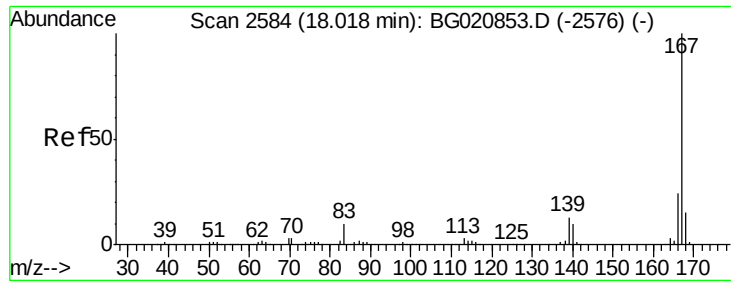


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 1.50 ng

RT: 18.01 min Scan# 2583

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

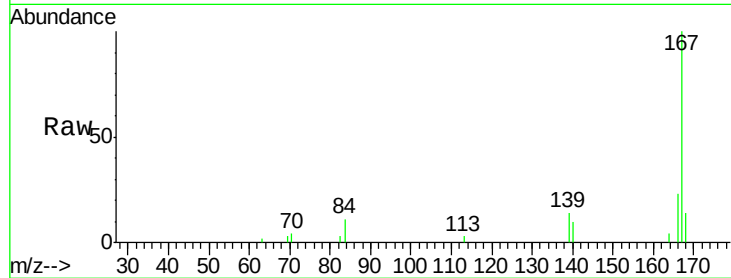
Tgt Ion:167 Resp: 10433

Ion Ratio Lower Upper

167 100

166 23.5 19.3 28.9

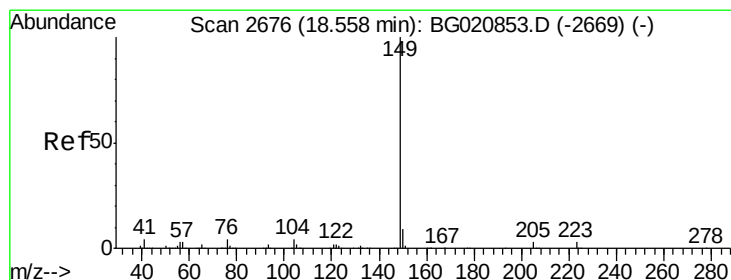
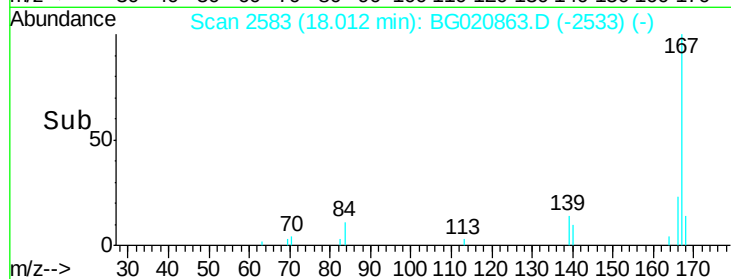
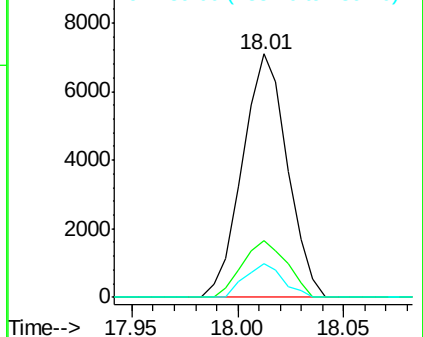
139 13.6 10.2 15.4



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



#73

Di-n-butylphthalate

Concen: 1.41 ng

RT: 18.56 min Scan# 2676

Delta R.T. 0.00 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

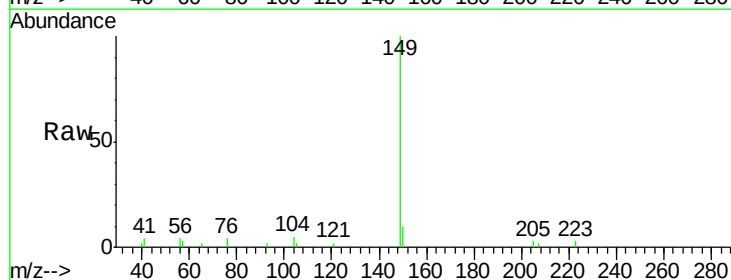
Tgt Ion:149 Resp: 12533

Ion Ratio Lower Upper

149 100

150 9.6 7.6 11.4

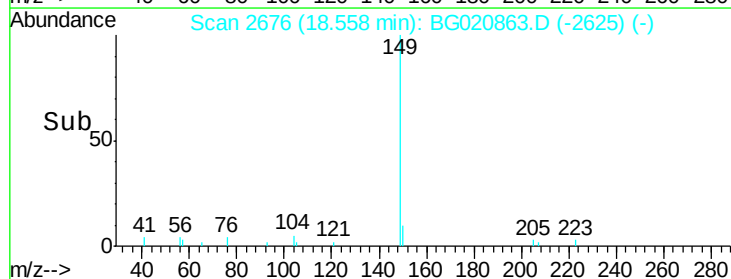
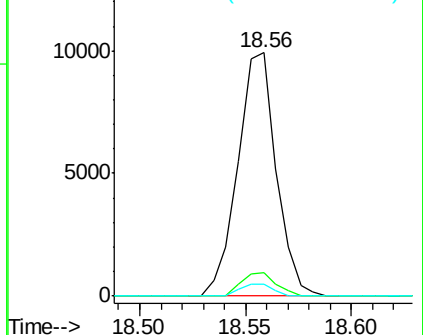
104 4.8 3.4 5.0

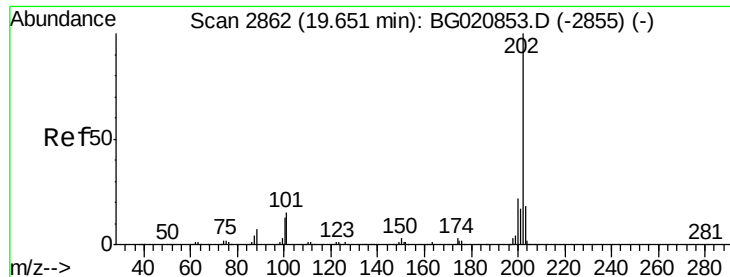


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

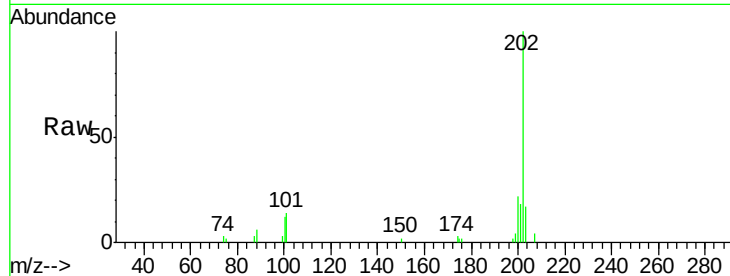




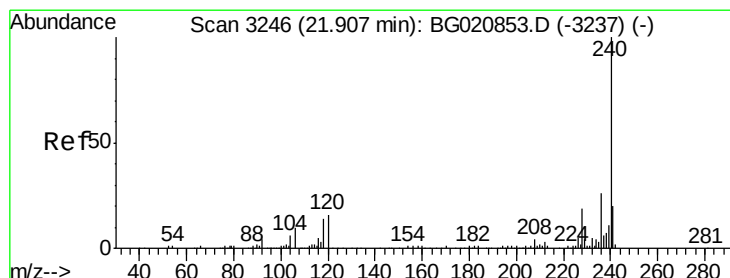
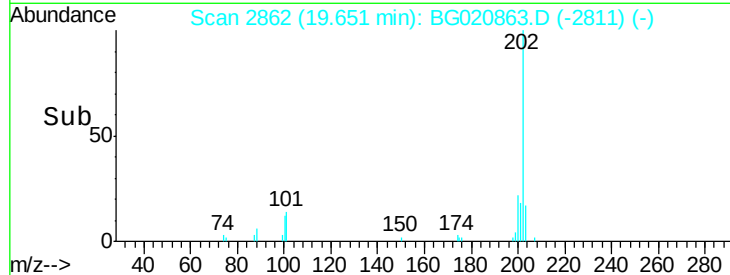
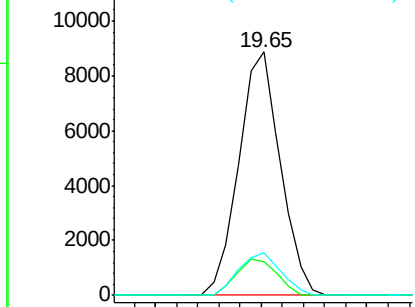
#74
Fluoranthene
Concen: 1.47 ng
RT: 19.65 min Scan# 2862
Delta R.T. 0.00 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	35.3
203	17.3	0.0	37.8

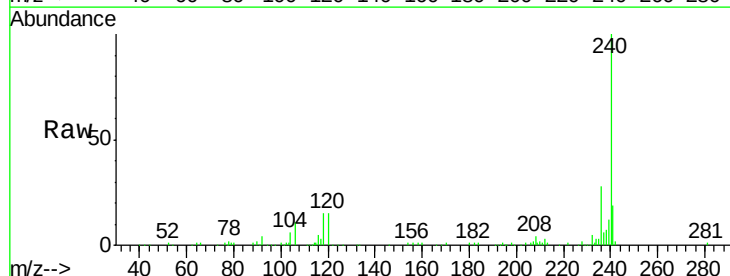


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

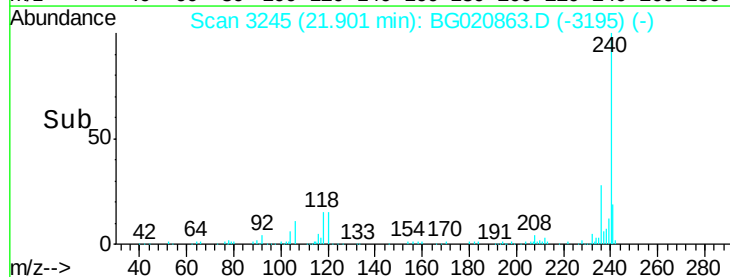
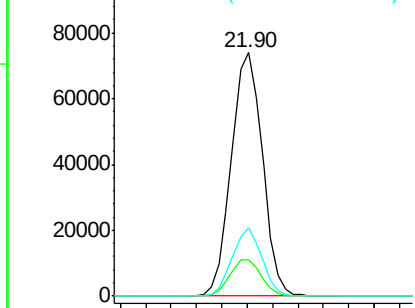


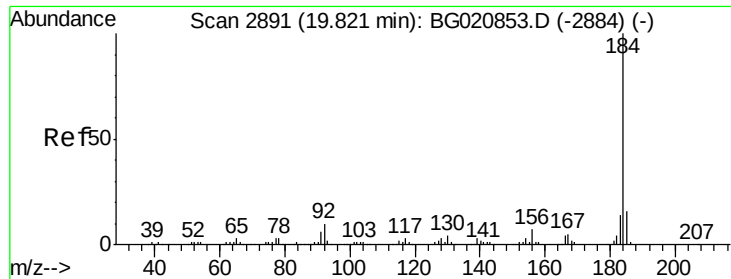
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.90 min Scan# 3245
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.8	13.0	19.4
236	27.8	21.0	31.4



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

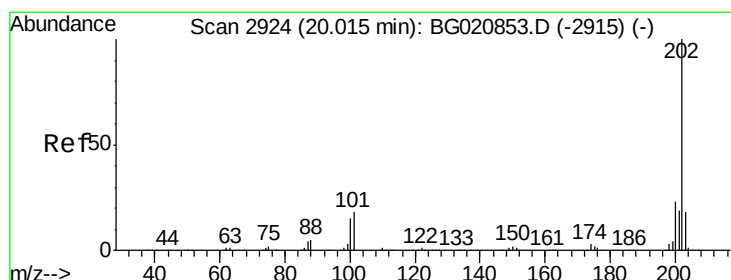
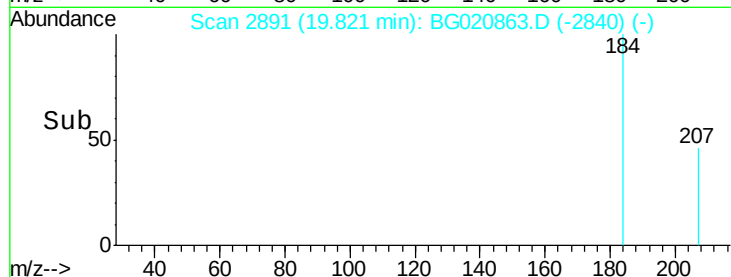
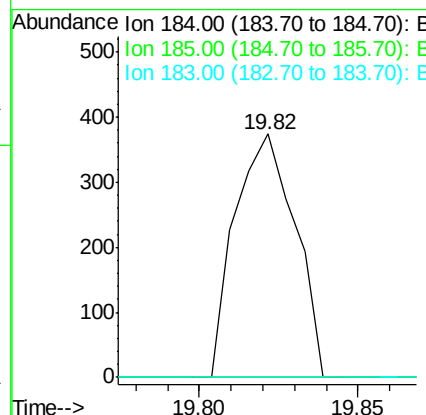
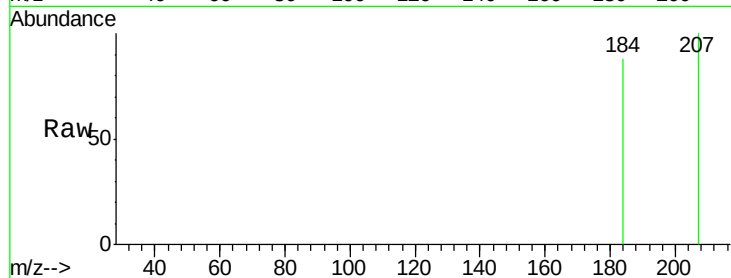




#76
Benzidine
Concen: 0.12 ng
RT: 19.82 min Scan# 2891
Delta R.T. 0.00 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

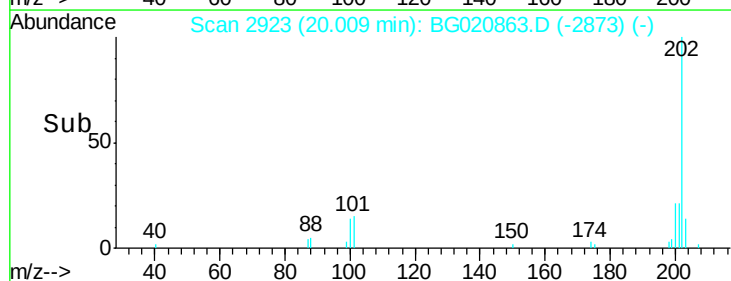
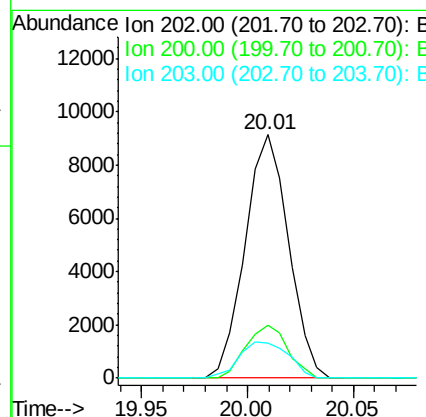
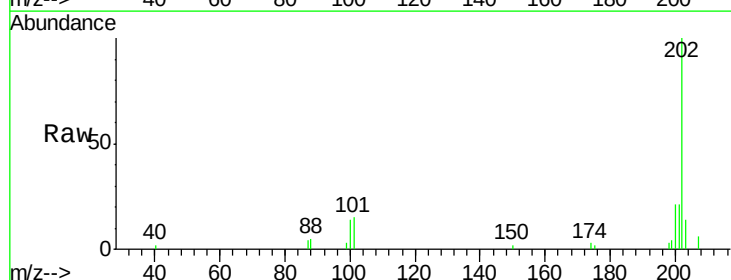
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

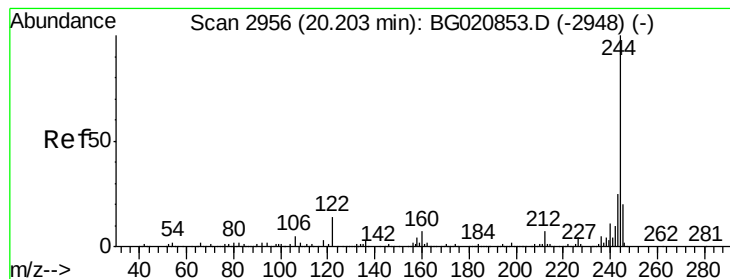
Tgt Ion:184 Resp: 490
Ion Ratio Lower Upper
184 100
185 0.0 12.6 19.0#
183 0.0 11.0 16.4#



#77
Pyrene
Concen: 1.57 ng
RT: 20.01 min Scan# 2923
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Tgt Ion:202 Resp: 13011
Ion Ratio Lower Upper
202 100
200 21.5 18.5 27.7
203 14.2 14.3 21.5#





#78

Terphenyl-d14

Concen: 86.66 ng

RT: 20.20 min Scan# 2955

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

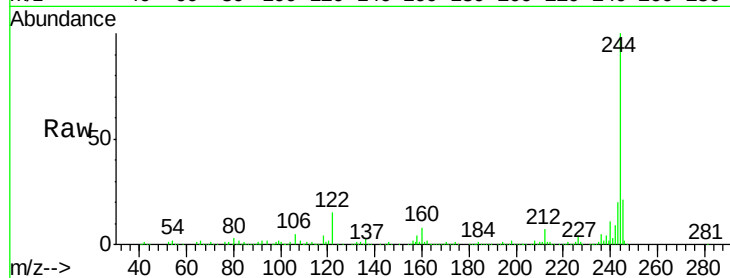
Tgt Ion:244 Resp: 466428

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

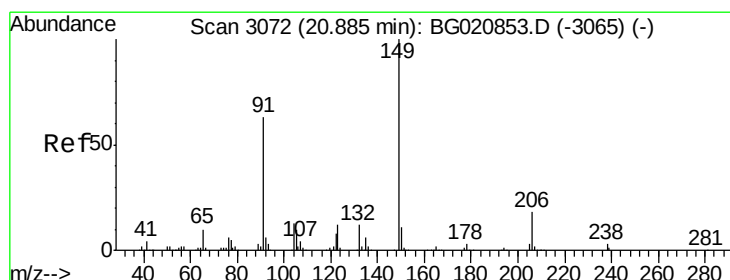
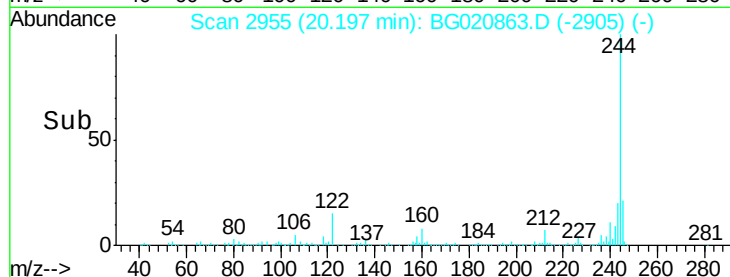
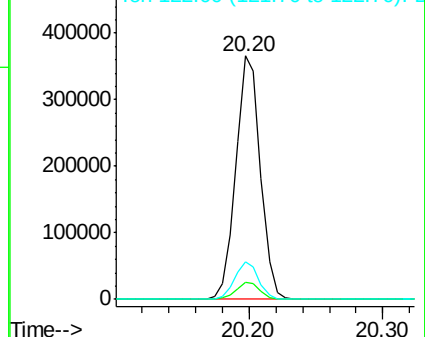
122 15.4 11.4 17.2



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



#79

Butylbenzylphthalate

Concen: 1.33 ng

RT: 20.88 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

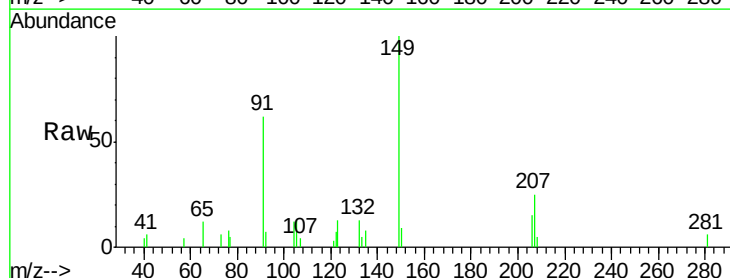
Tgt Ion:149 Resp: 5280

Ion Ratio Lower Upper

149 100

91 61.7 50.6 76.0

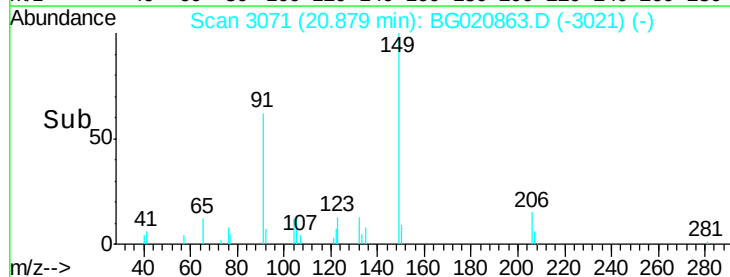
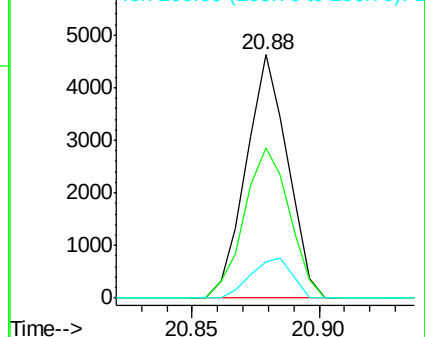
206 15.0 14.6 22.0

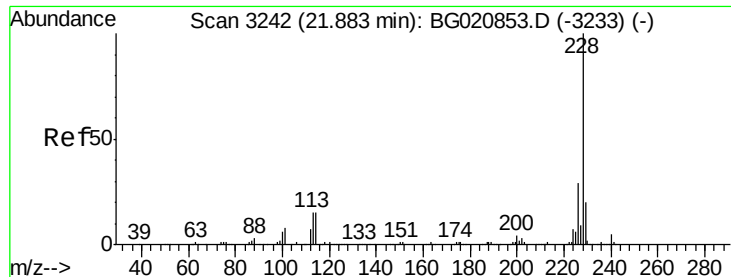


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 1.64 ng

RT: 21.88 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

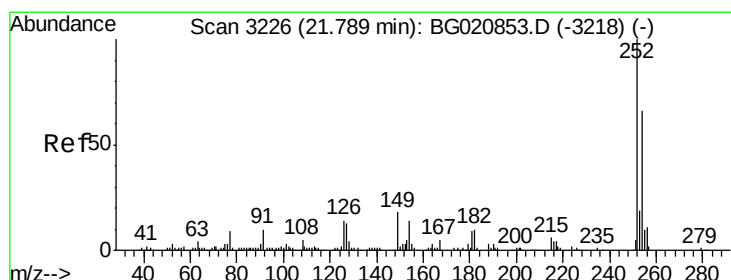
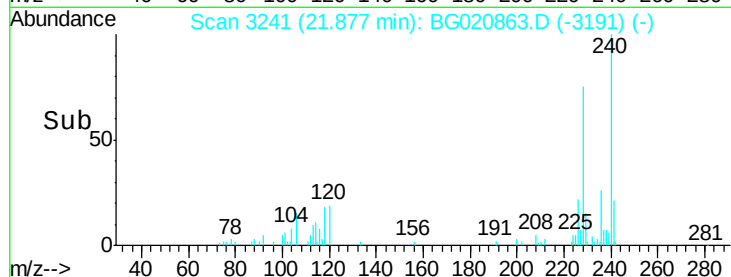
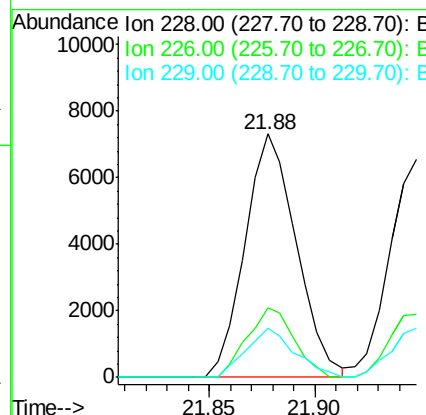
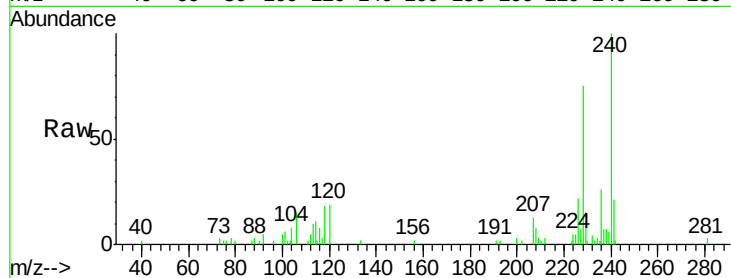
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:	228	Resp:	12307
Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.1	34.7
229	19.9	16.2	24.2



#81

3,3'-Dichlorobenzidine

Concen: 0.90 ng

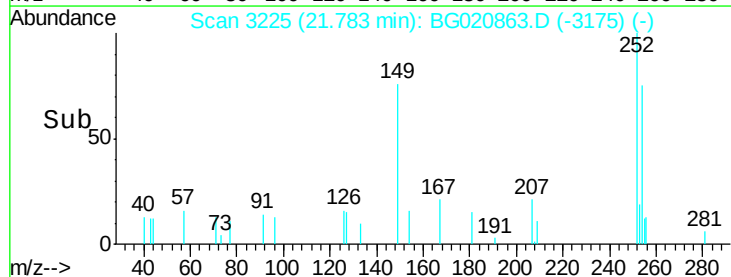
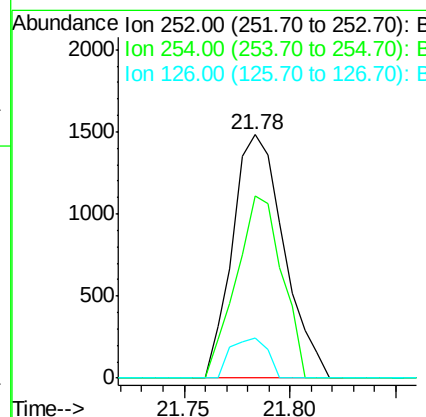
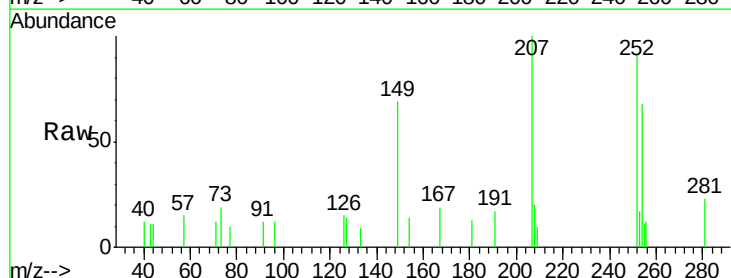
RT: 21.78 min Scan# 3225

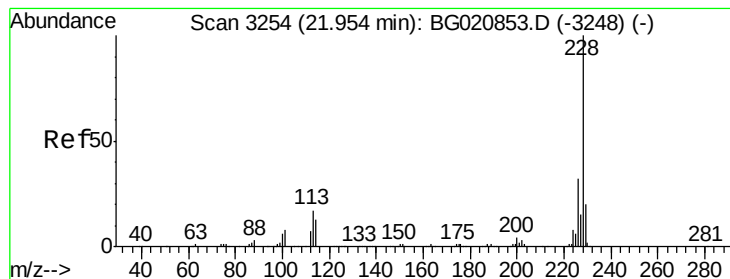
Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Tgt Ion:	252	Resp:	2500
Ion	Ratio	Lower	Upper
252	100		
254	74.7	52.8	79.2
126	16.3	11.1	16.7





#82

Chrysene

Concen: 1.56 ng

RT: 21.95 min Scan# 3253

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

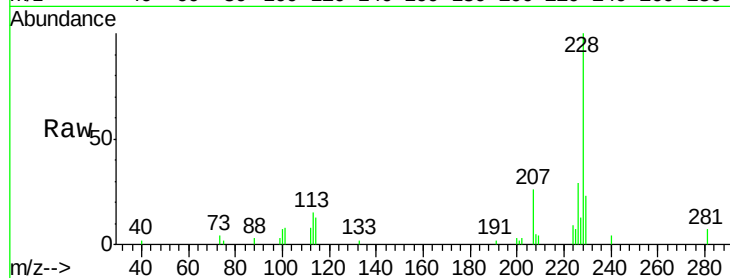
Tgt Ion:228 Resp: 10992

Ion Ratio Lower Upper

228 100

226 28.9 25.3 37.9

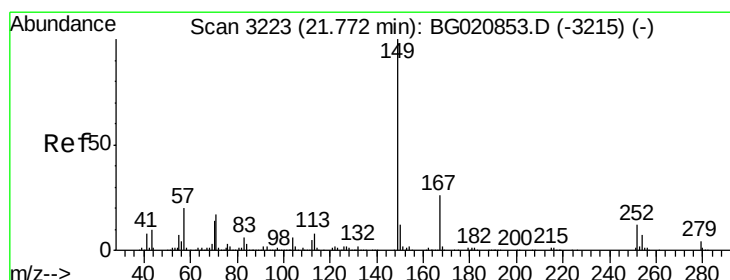
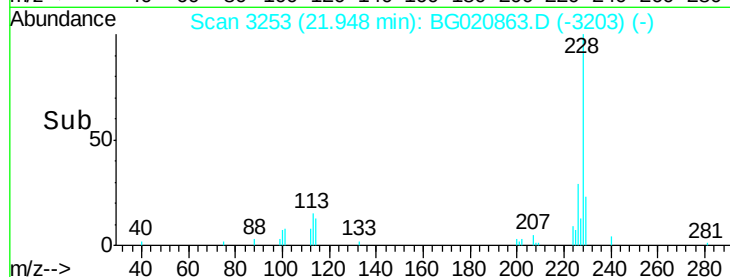
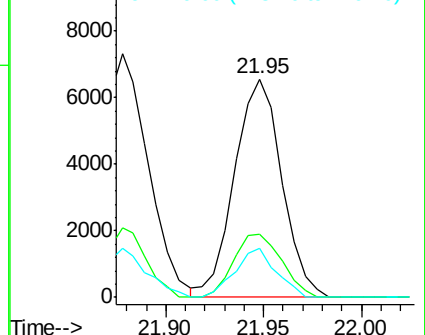
229 22.6 16.2 24.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 1.42 ng

RT: 21.77 min Scan# 3222

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

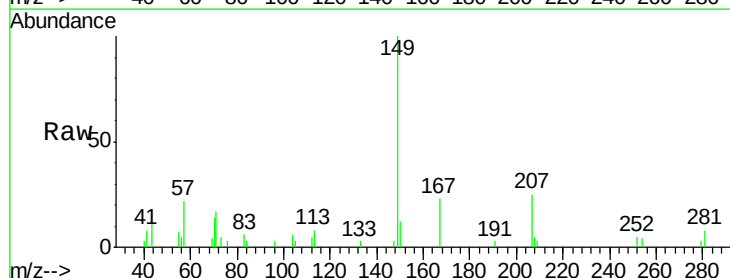
Tgt Ion:149 Resp: 8373

Ion Ratio Lower Upper

149 100

167 23.2 20.9 31.3

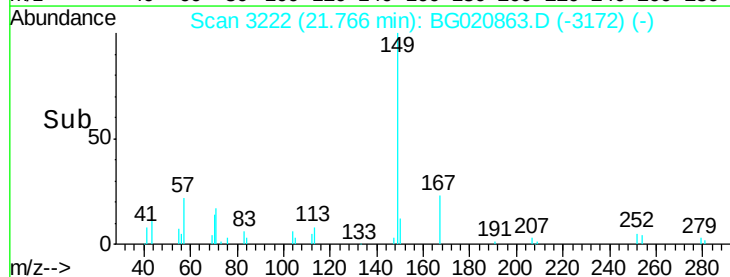
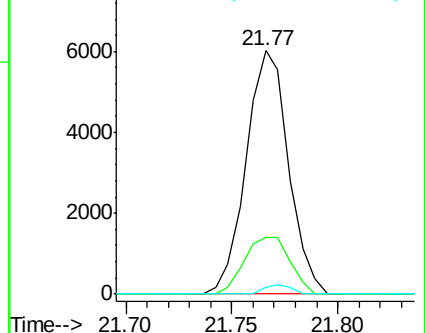
279 2.8 3.0 4.4#

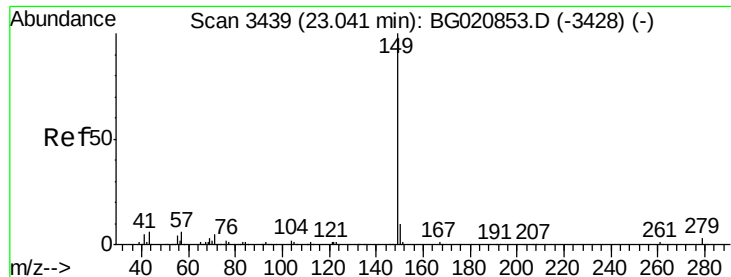


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

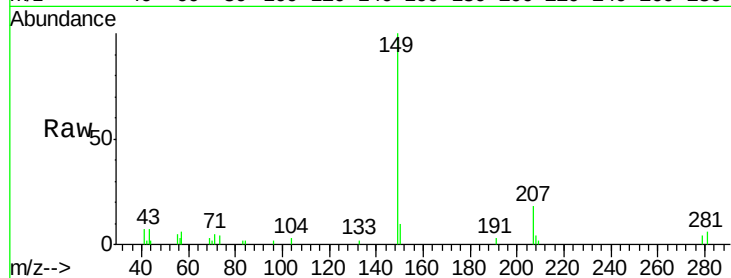




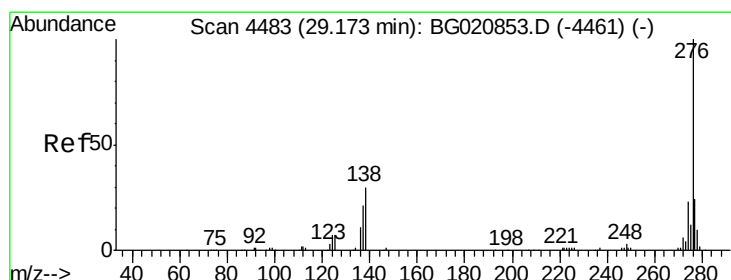
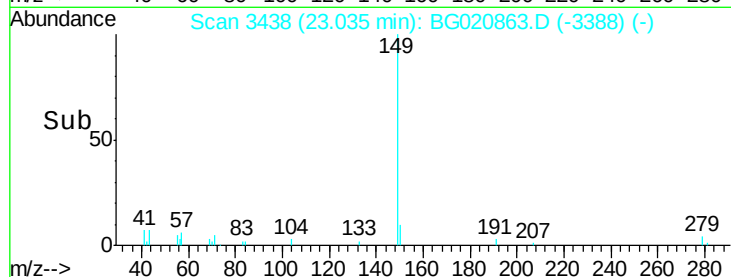
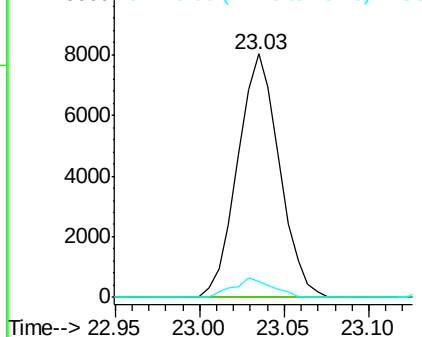
#84
Di-n-octyl phthalate
Concen: 1.43 ng
RT: 23.03 min Scan# 3438
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:149 Resp: 13779
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 7.4 5.1 7.7

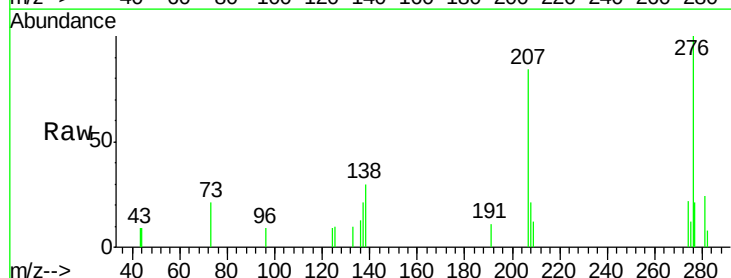


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): B

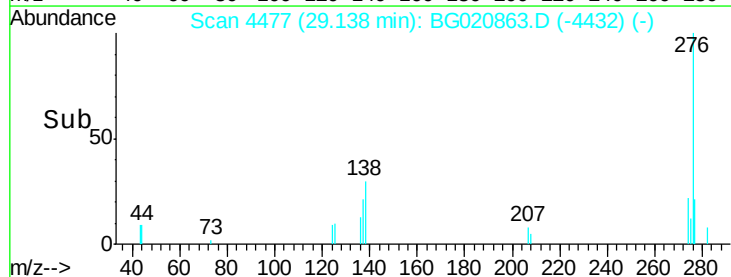
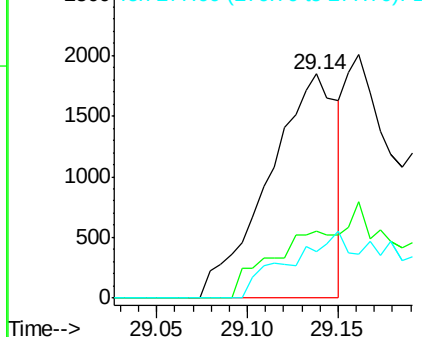


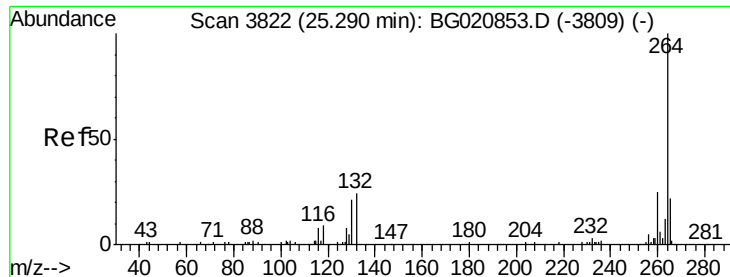
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.60 ng
RT: 29.14 min Scan# 4477
Delta R.T. -0.04 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Tgt Ion:276 Resp: 4845
Ion Ratio Lower Upper
276 100
138 0.0 20.1 30.1#
277 0.0 20.5 30.7#



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

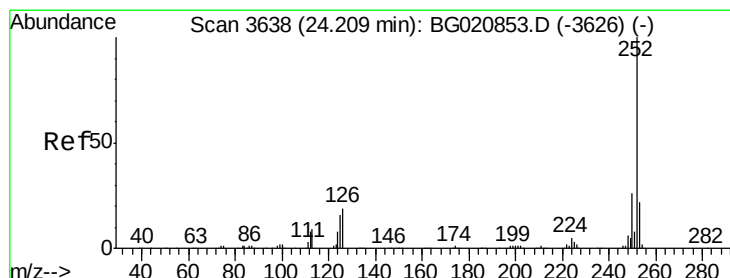
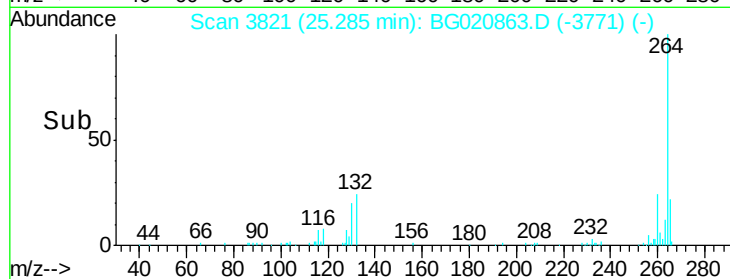
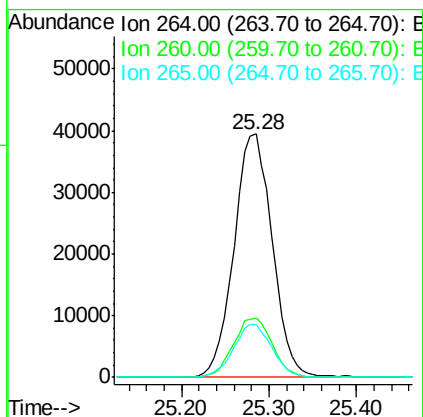
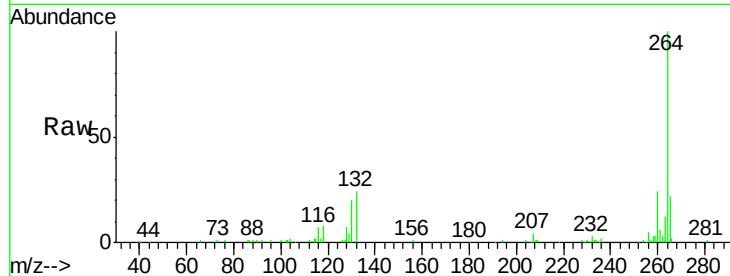




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.28 min Scan# 3821
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

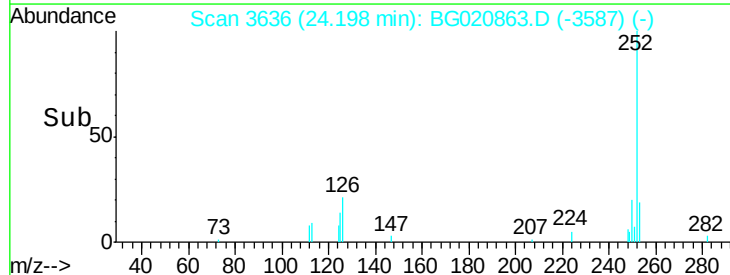
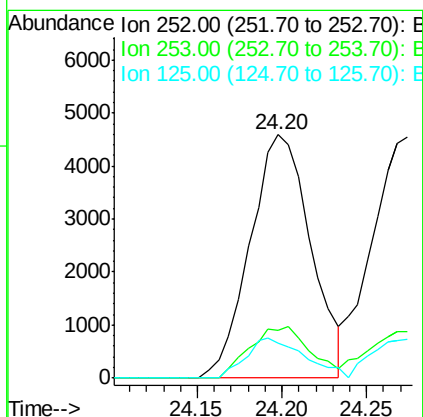
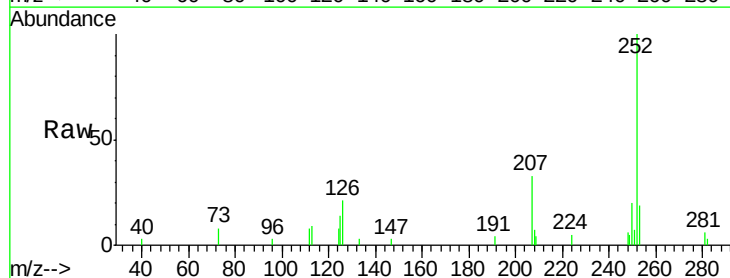
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

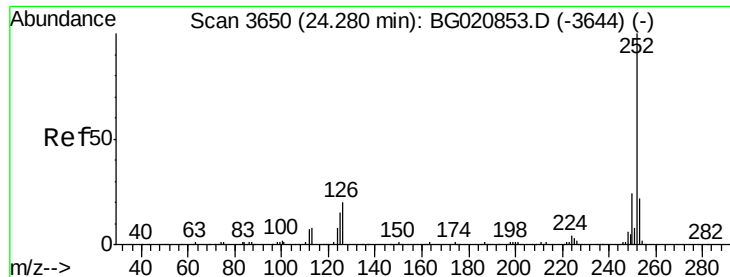
Tgt Ion:264 Resp: 116990
Ion Ratio Lower Upper
264 100
260 24.3 19.9 29.9
265 21.6 18.0 27.0



#87
Benzo(b)fluoranthene
Concen: 1.59 ng
RT: 24.20 min Scan# 3636
Delta R.T. -0.01 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Tgt Ion:252 Resp: 11408
Ion Ratio Lower Upper
252 100
253 19.4 17.5 26.3
125 14.5 12.5 18.7





#88

Benzo(k)fluoranthene

Concen: 1.60 ng

RT: 24.27 min Scan# 3649

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

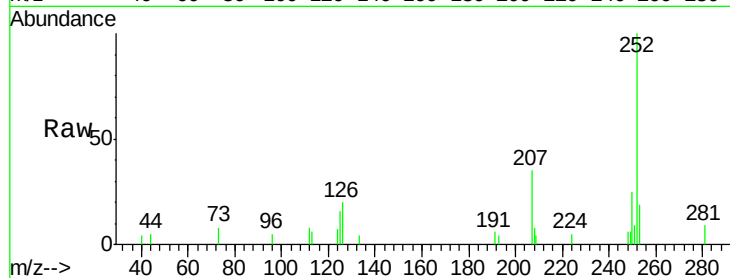
Tgt Ion:252 Resp: 11217

Ion Ratio Lower Upper

252 100

253 19.2 17.7 26.5

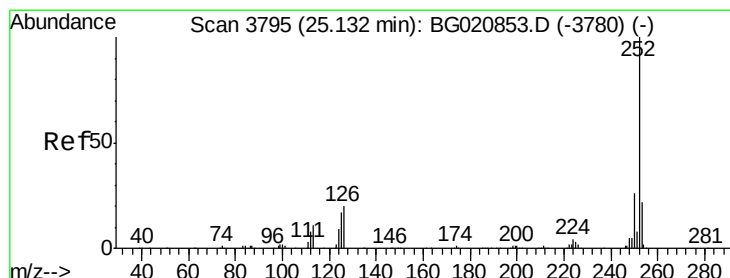
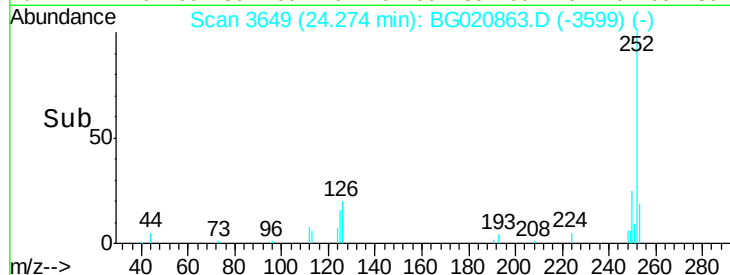
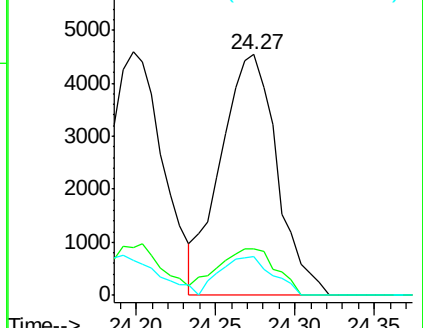
125 16.3 12.2 18.4



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(a)pyrene

Concen: 1.55 ng

RT: 25.12 min Scan# 3793

Delta R.T. -0.01 min

Lab File: BG020863.D

Acq: 11 Feb 2016 19:28

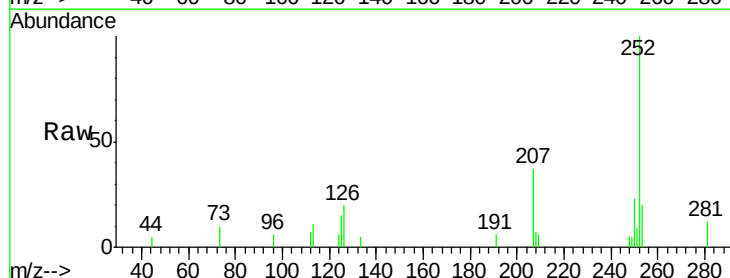
Tgt Ion:252 Resp: 10592

Ion Ratio Lower Upper

252 100

253 19.9 17.4 26.2

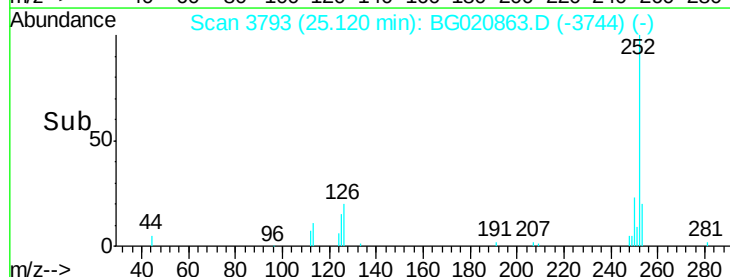
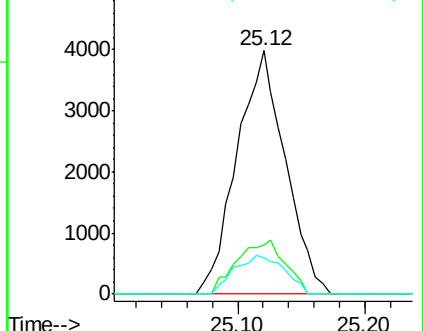
125 15.0 13.6 20.4

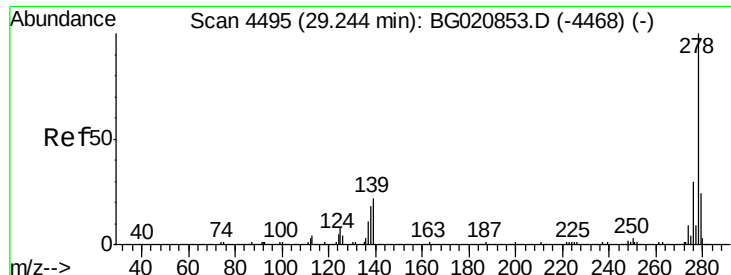


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

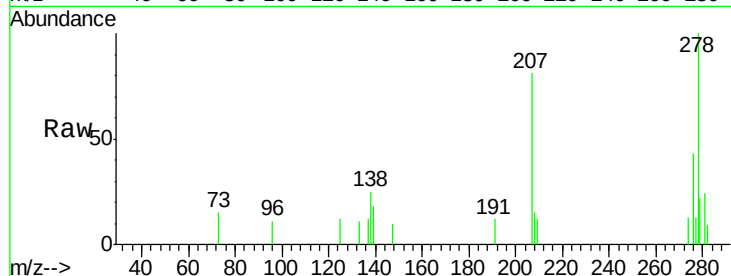




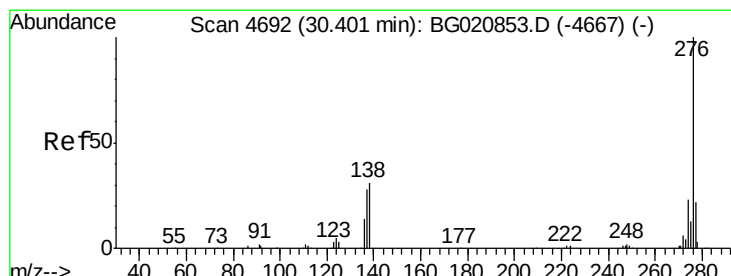
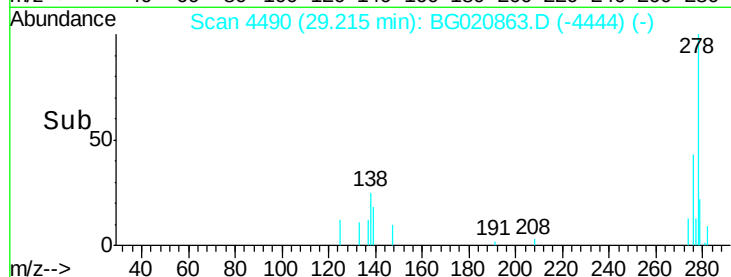
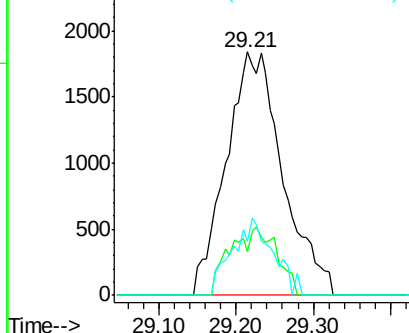
#90
Dibenzo(a,h)anthracene
Concen: 1.42 ng
RT: 29.21 min Scan# 4490
Delta R.T. -0.03 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.1	17.3	25.9
279	22.2	19.1	28.7

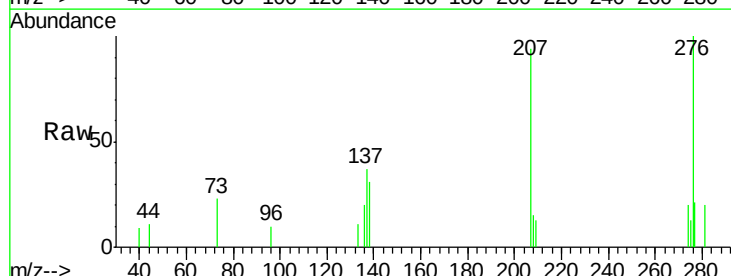


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 1.44 ng
RT: 30.37 min Scan# 4686
Delta R.T. -0.04 min
Lab File: BG020863.D
Acq: 11 Feb 2016 19:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.0	17.6	26.4
138	30.8	25.2	37.8



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

