

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041316\
 Data File : BG021642.D
 Acq On : 14 Apr 2016 6:16
 Operator : UM/SJ
 Sample : H2420-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Quant Time: Apr 14 07:18:11 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	27373	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	120538	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	77642	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	187438	20.00	ng	0.00
75) Chrysene-d12	21.83	240	228609	20.00	ng	0.00
86) Perylene-d12	25.15	264	217735	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	251503	153.00	ng	0.00
7) Phenol-d6	7.36	99	361673	147.30	ng	0.00
23) Nitrobenzene-d5	9.38	82	213142	90.89	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	125080	149.48	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	492839	93.00	ng	0.00
78) Terphenyl-d14	20.14	244	832362	90.85	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.63	88	11434	15.63	ng	91
3) Pyridine	4.04	79	32908	14.99	ng	94
4) n-Nitrosodimethylamine	3.95	42	17850	16.40	ng	# 92
6) Aniline	7.54	93	40100	12.35	ng	95
8) 2-Chlorophenol	7.77	128	35343	17.94	ng	94
9) Benzaldehyde	7.35	77	32694	23.03	ng	94
10) Phenol	7.39	94	49740	18.83	ng	97
11) bis(2-Chloroethyl)ether	7.63	93	34891	16.51	ng	98
12) 1,3-Dichlorobenzene	8.11	146	36051	16.38	ng	96
13) 1,4-Dichlorobenzene	8.25	146	36460	16.27	ng	96
14) 1,2-Dichlorobenzene	8.57	146	35766	16.64	ng	94
15) Benzyl Alcohol	8.45	79	34084	18.16	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.75	45	69788	15.41	ng	95
17) 2-Methylphenol	8.64	107	33532	18.36	ng	93
18) Hexachloroethane	9.31	117	13411	16.45	ng	# 75
19) n-Nitroso-di-n-propylamine	9.02	70	30240	15.85	ng	# 96
20) 3+4-Methylphenols	8.97	107	46649	18.67	ng	97
22) Acetophenone	9.04	105	54961	16.37	ng	# 98
24) Nitrobenzene	9.42	77	44481	17.71	ng	98
25) Isophorone	9.95	82	82179	16.01	ng	99
26) 2-Nitrophenol	10.14	139	14377	15.00	ng	93
27) 2,4-Dimethylphenol	10.18	122	38487	17.67	ng	99
28) bis(2-Chloroethoxy)methane	10.42	93	49278	18.07	ng	93
29) 2,4-Dichlorophenol	10.67	162	35444	19.09	ng	97
30) 1,2,4-Trichlorobenzene	10.89	180	35806	17.94	ng	90
31) Naphthalene	11.08	128	113299	17.56	ng	# 97
32) Benzoic acid	10.25	122	14090	16.49	ng	97
33) 4-Chloroaniline	11.18	127	34087	12.21	ng	98
34) Hexachlorobutadiene	11.36	225	21769	16.91	ng	96
35) Caprolactam	11.94	113	14216	16.73	ng	95
36) 4-Chloro-3-methylphenol	12.27	107	41487	17.77	ng	96
37) 2-Methylnaphthalene	12.67	142	81032	18.30	ng	96
39) 1,2,4,5-Tetrachlorobenzene	13.03	216	40426	16.66	ng	98
40) Hexachlorocyclopentadiene	13.01	237	24792	18.39	ng	97

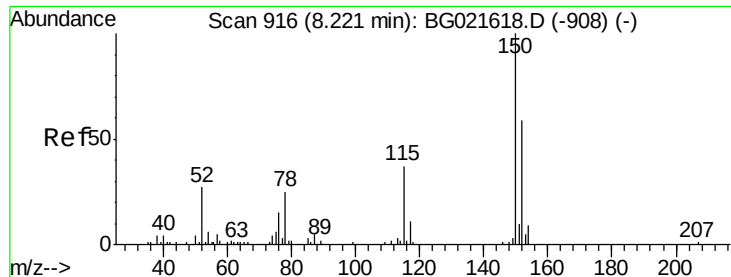
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041316\
 Data File : BG021642.D
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 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.26	196	25731	16.63	ng	97
43) 2,4,5-Trichlorophenol	13.33	196	30797	18.45	ng	99
45) 1,1'-Biphenyl	13.66	154	109292	16.71	ng	98
46) 2-Chloronaphthalene	13.71	162	83722	17.31	ng	98
47) 2-Nitroaniline	13.90	65	28665	17.29	ng	96
48) Acenaphthylene	14.55	152	139465	17.44	ng	99
49) Dimethylphthalate	14.27	163	112913	16.82	ng	98
50) 2,6-Dinitrotoluene	14.38	165	23124	18.06	ng	94
51) Acenaphthene	14.89	154	87582	17.13	ng	100
52) 3-Nitroaniline	14.71	138	20527	14.46	ng	97
53) 2,4-Dinitrophenol	14.91	184	6497	19.42	ng	# 74
54) Dibenzofuran	15.22	168	135258	19.38	ng	96
55) 4-Nitrophenol	14.99	139	21243	17.48	ng	96
56) 2,4-Dinitrotoluene	15.17	165	32136	18.58	ng	99
57) Fluorene	15.86	166	111981	17.96	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.44	232	26957	19.46	ng	97
59) Diethylphthalate	15.62	149	121596	17.35	ng	99
60) 4-Chlorophenyl-phenylether	15.85	204	53253	17.34	ng	98
61) 4-Nitroaniline	15.87	138	28978	18.55	ng	94
62) Azobenzene	16.14	77	115545	19.24	ng	99
64) 4,6-Dinitro-2-methylphenol	15.92	198	10467	17.30	ng	94
65) n-Nitrosodiphenylamine	16.06	169	100095	17.81	ng	96
66) 4-Bromophenyl-phenylether	16.75	248	34768	17.31	ng	99
67) Hexachlorobenzene	16.86	284	35829	16.90	ng	93
68) Atrazine	17.00	200	40021	18.03	ng	95
69) Pentachlorophenol	17.20	266	19583	16.18	ng	# 88
70) Phenanthrene	17.60	178	188196	18.22	ng	99
71) Anthracene	17.69	178	188703	17.99	ng	96
72) Carbazole	17.95	167	182724	18.67	ng	99
73) Di-n-butylphthalate	18.50	149	223102	17.92	ng	100
74) Fluoranthene	19.59	202	228927	18.56	ng	99
76) Benzidine	19.77	184	65616	9.22	ng	99
77) Pyrene	19.95	202	236946	17.98	ng	98
79) Butylbenzylphthalate	20.82	149	102272	16.71	ng	97
80) Benzo(a)anthracene	21.81	228	238922	18.16	ng	100
81) 3,3'-Dichlorobenzidine	21.72	252	42649	4.10	ng	98
82) Chrysene	21.88	228	225331	17.83	ng	99
83) Bis(2-ethylhexyl)phthalate	21.70	149	149884	16.75	ng	98
84) Di-n-octyl phthalate	22.96	149	255076	17.01	ng	100
85) Indeno(1,2,3-cd)pyrene	28.96	276	258275	17.19	ng	99
87) Benzo(b)fluoranthene	24.10	252	233199	18.46	ng	98
88) Benzo(k)fluoranthene	24.16	252	221176	17.90	ng	99
89) Benzo(a)pyrene	24.99	252	219829	17.96	ng	98
90) Dibenzo(a,h)anthracene	29.03	278	217681	17.74	ng	98
91) Benzo(g,h,i)perylene	30.15	276	215825	17.92	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.22 min Scan# 916

Delta R.T. -0.00 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

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ClientSampleId :

LOQ-SOIL2016-02

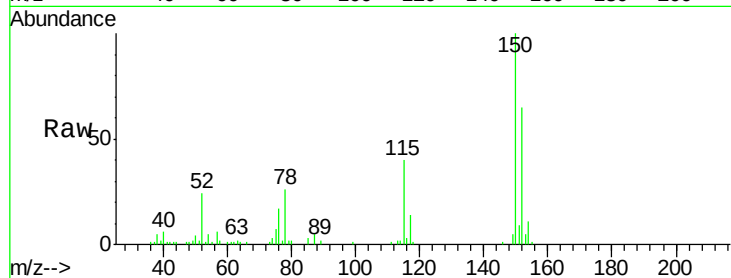
Tgt Ion:152 Resp: 27373

Ion Ratio Lower Upper

152 100

150 152.7 130.1 195.1

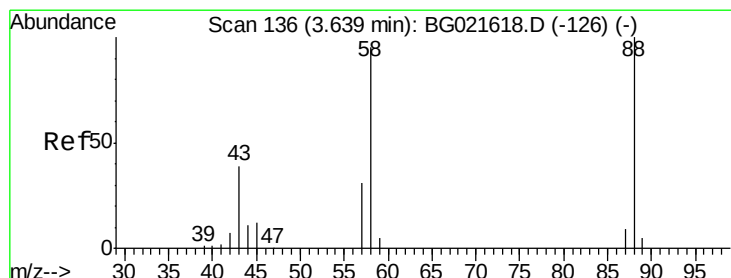
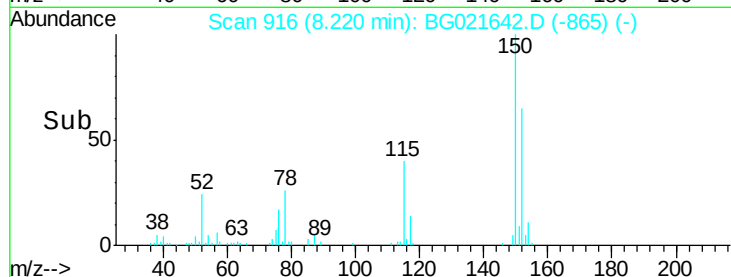
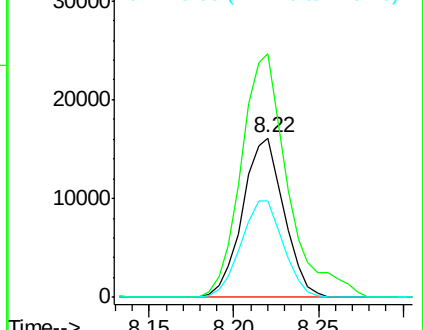
115 60.5 62.2 93.2#



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: 15.63 ng

RT: 3.63 min Scan# 135

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

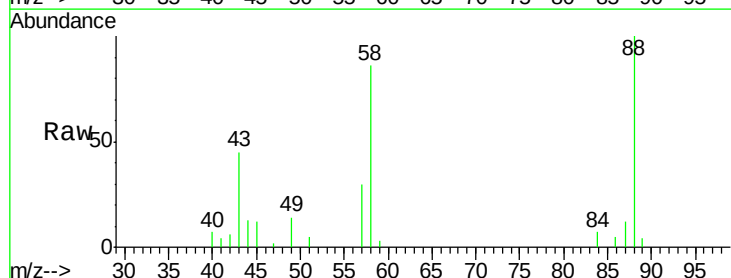
Tgt Ion: 88 Resp: 11434

Ion Ratio Lower Upper

88 100

58 87.4 61.8 92.8

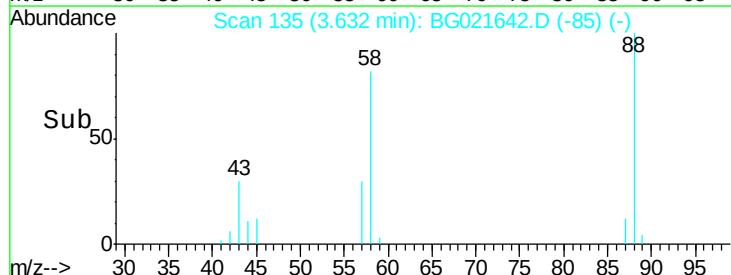
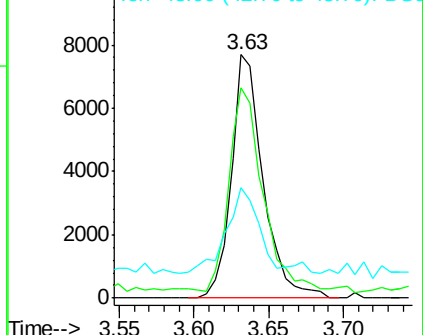
43 36.1 27.3 40.9

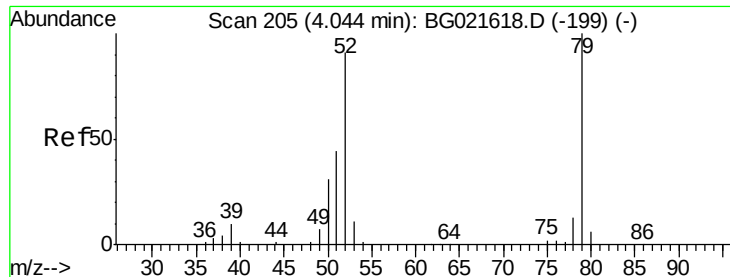


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 14.99 ng

RT: 4.04 min Scan# 204

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

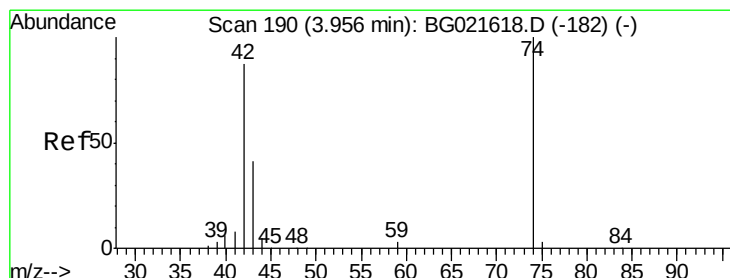
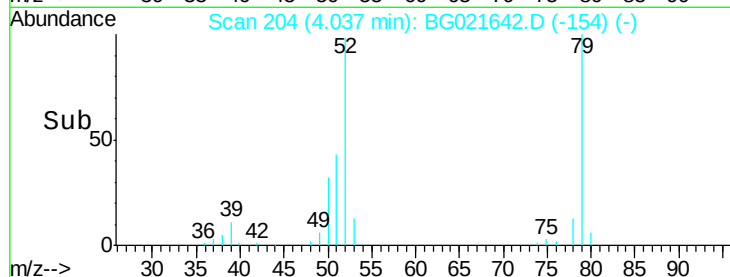
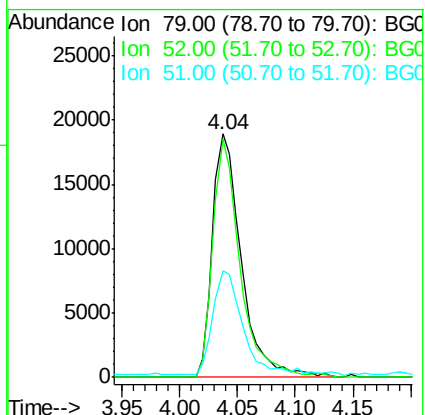
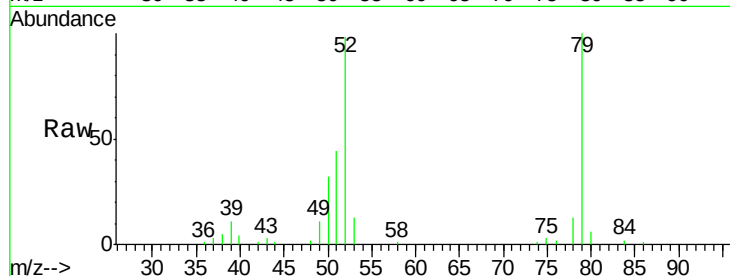
Tgt Ion: 79 Resp: 32908

Ion Ratio Lower Upper

79 100

52 97.8 77.2 115.8

51 43.7 42.5 63.7



#4

n-Nitrosodimethylamine

Concen: 16.40 ng

RT: 3.95 min Scan# 189

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

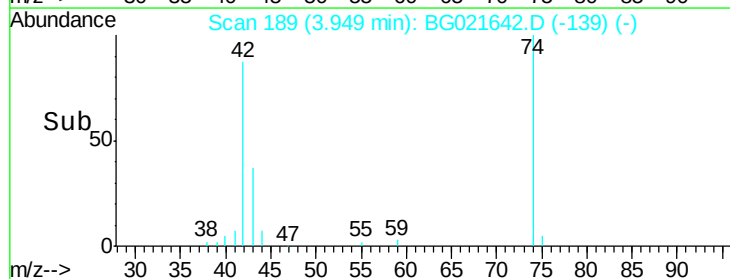
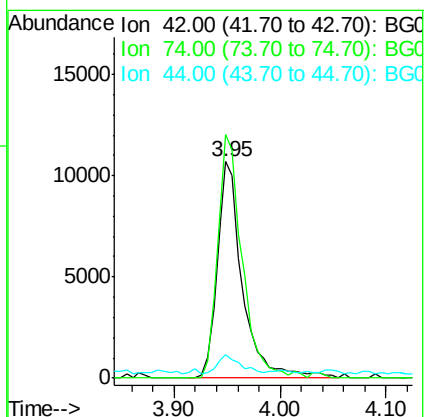
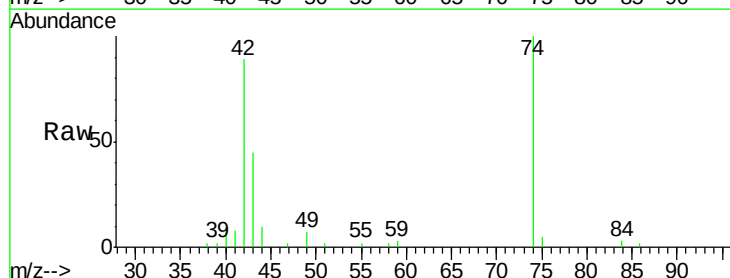
Tgt Ion: 42 Resp: 17850

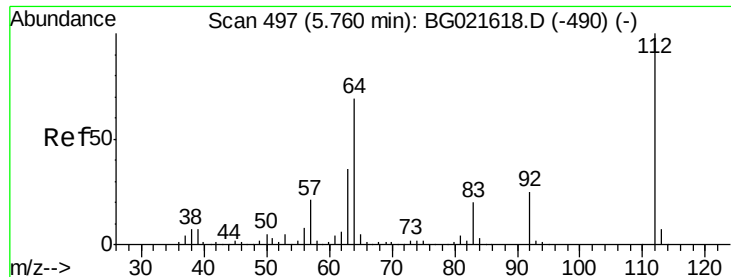
Ion Ratio Lower Upper

42 100

74 112.4 83.0 124.4

44 10.8 11.0 16.6#





#5

2-Fluorophenol

Concen: 153.00 ng

RT: 5.76 min Scan# 498

Delta R.T. 0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

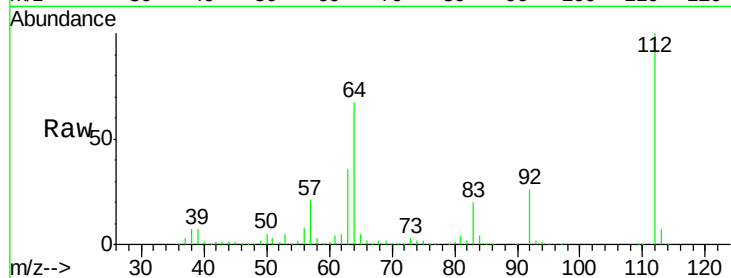
Tgt Ion: 112 Resp: 251503

Ion Ratio Lower Upper

112 100

64 67.3 51.1 76.7

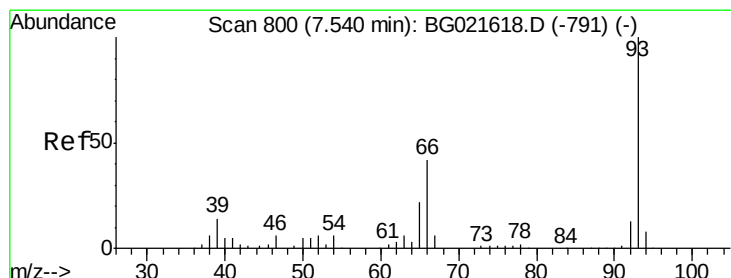
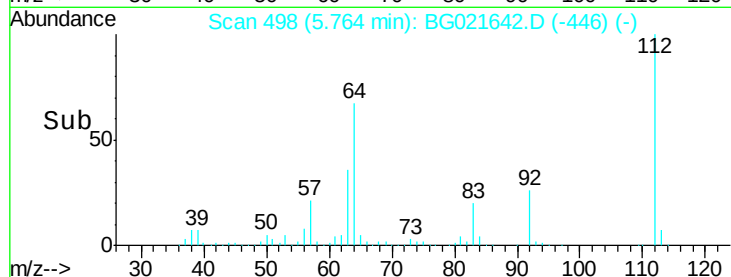
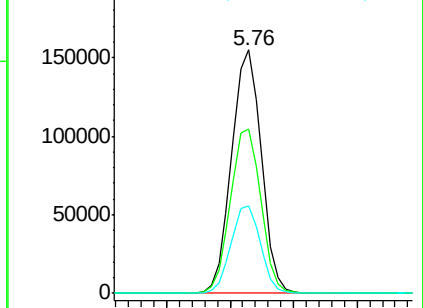
63 35.8 24.6 37.0



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 12.35 ng

RT: 7.54 min Scan# 800

Delta R.T. -0.00 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

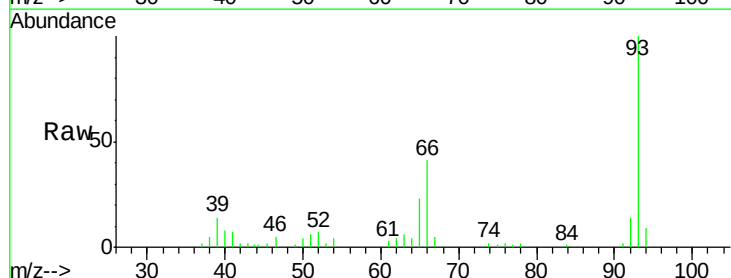
Tgt Ion: 93 Resp: 40100

Ion Ratio Lower Upper

93 100

66 40.9 36.3 54.5

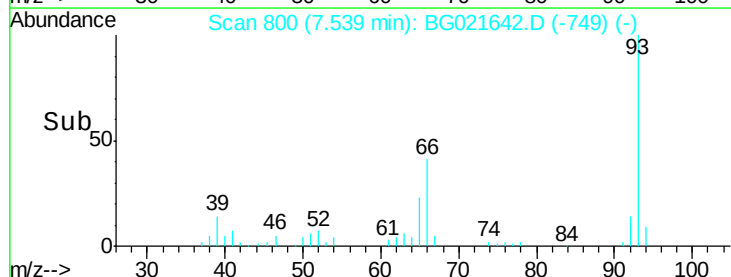
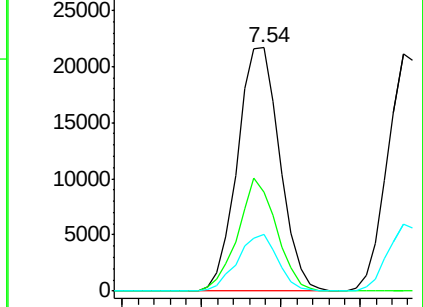
65 23.1 18.4 27.6

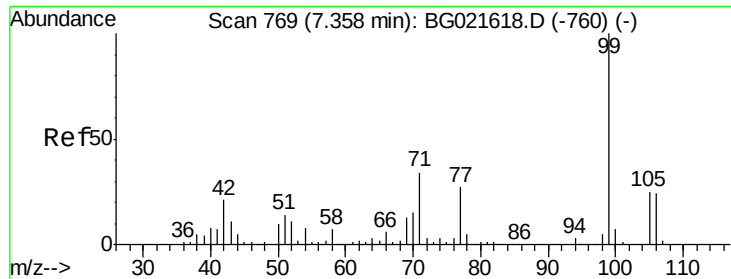


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 147.30 ng

RT: 7.36 min Scan# 769

Delta R.T. -0.00 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

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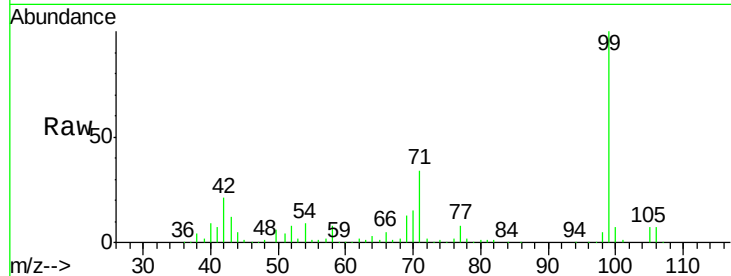
Tgt Ion: 99 Resp: 361673

Ion Ratio Lower Upper

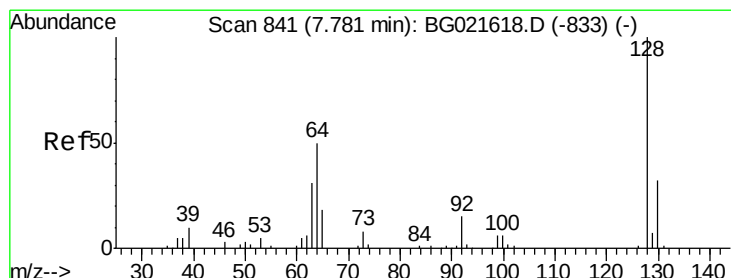
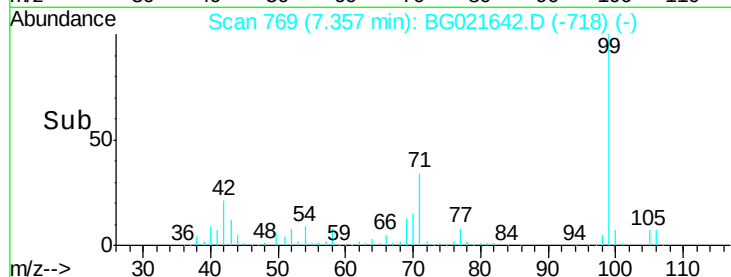
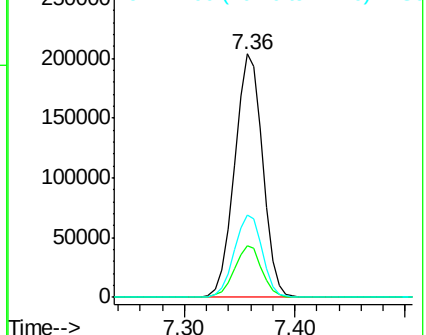
99 100

42 21.0 16.4 24.6

71 33.9 25.0 37.4



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: 17.94 ng

RT: 7.77 min Scan# 840

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

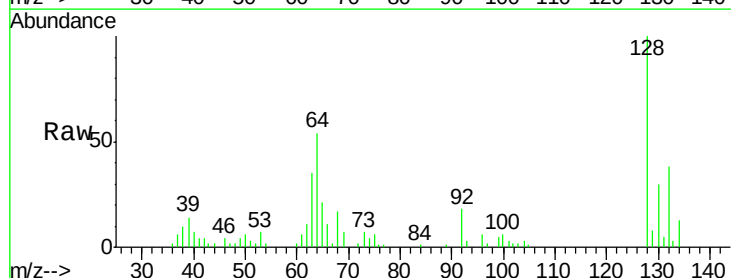
Tgt Ion: 128 Resp: 35343

Ion Ratio Lower Upper

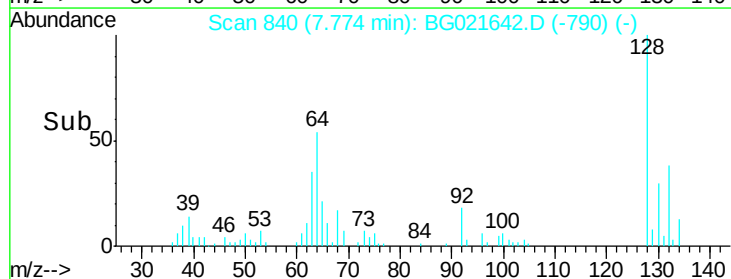
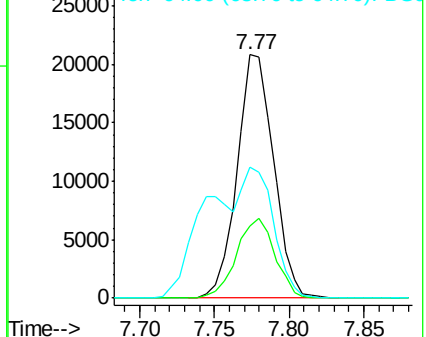
128 100

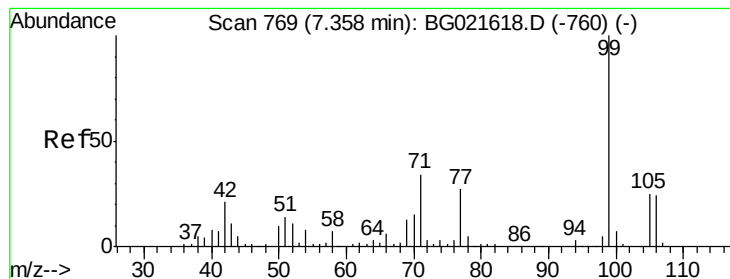
130 29.7 11.2 51.2

64 53.6 39.8 79.8



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: 23.03 ng

RT: 7.35 min Scan# 768

Delta R.T. -0.01 min

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Acq: 14 Apr 2016 6:16

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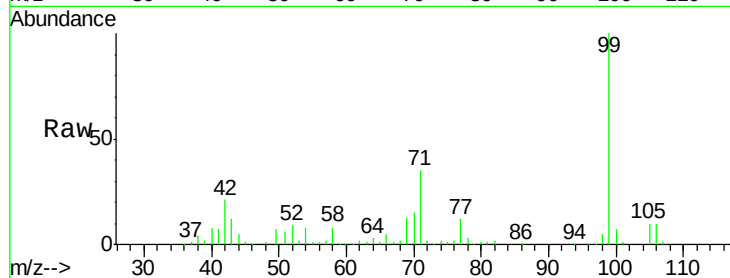
Tgt Ion: 77 Resp: 32694

Ion Ratio Lower Upper

77 100

105 89.8 62.1 102.1

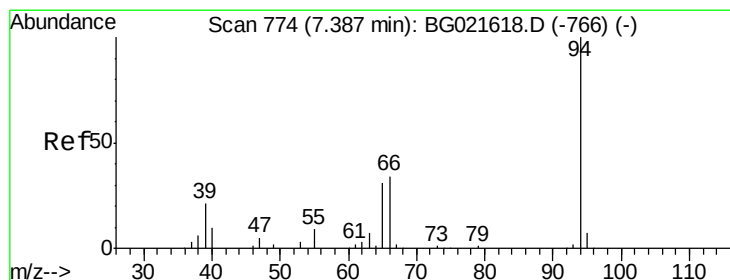
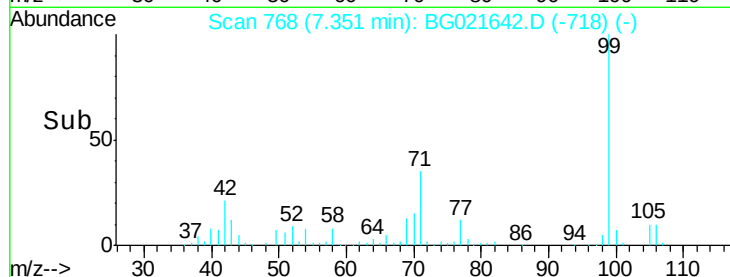
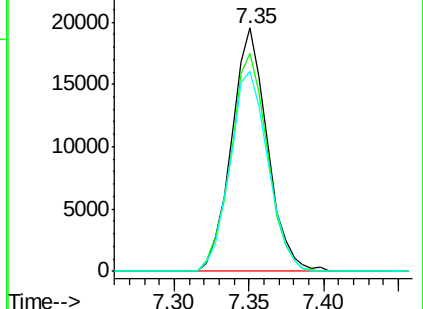
106 82.3 65.6 105.6



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: 18.83 ng

RT: 7.39 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

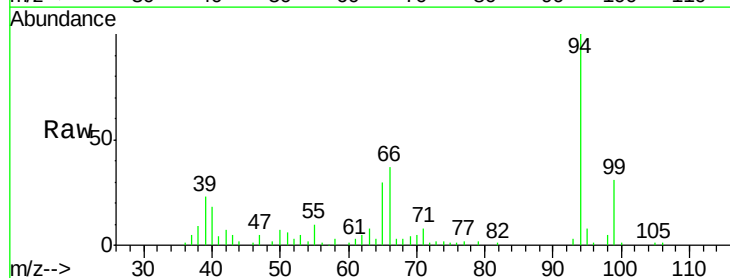
Tgt Ion: 94 Resp: 49740

Ion Ratio Lower Upper

94 100

65 29.6 9.8 49.8

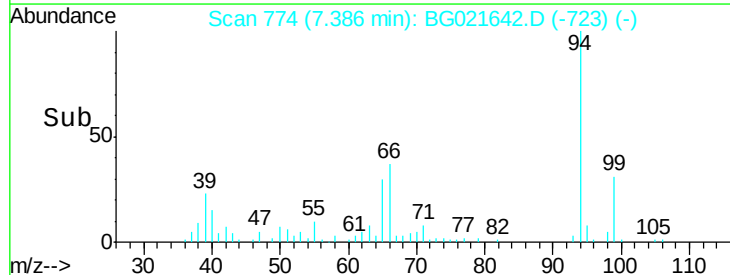
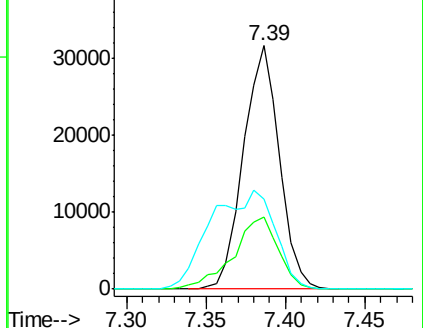
66 37.2 20.8 60.8

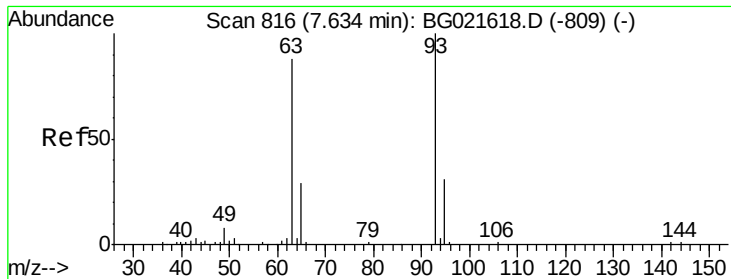


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

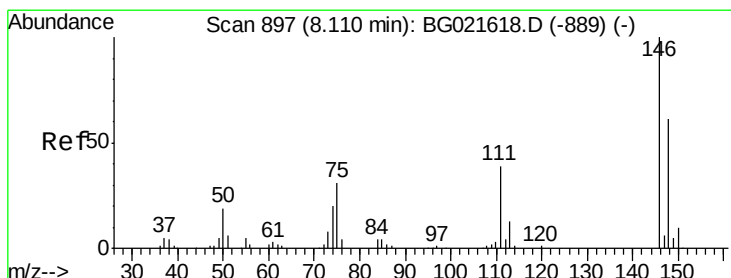
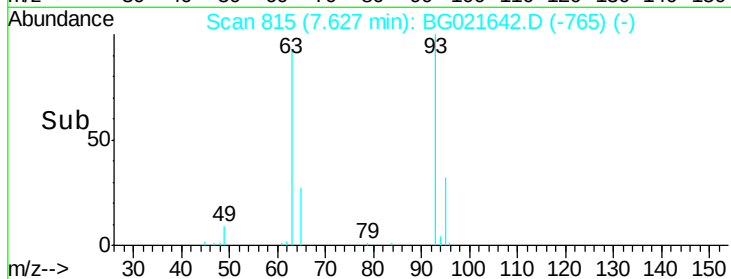
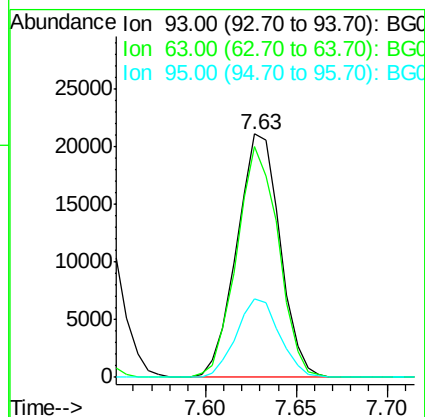
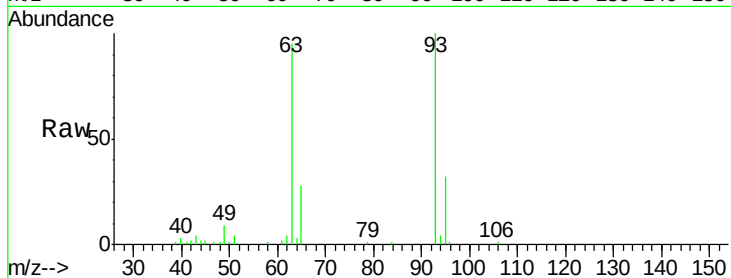




#11
 bis(2-Chloroethyl)ether
 Concen: 16.51 ng
 RT: 7.63 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

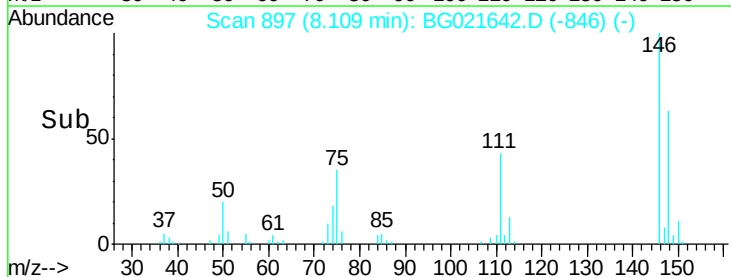
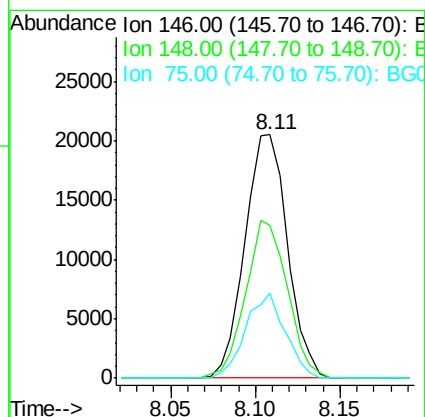
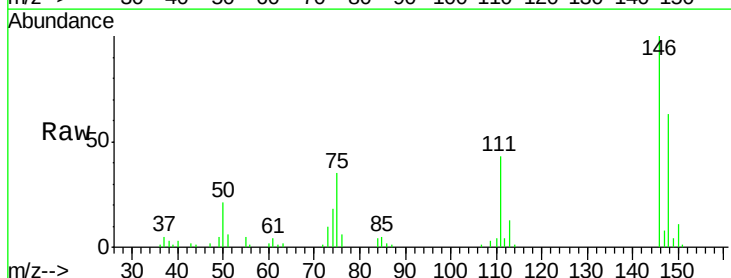
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

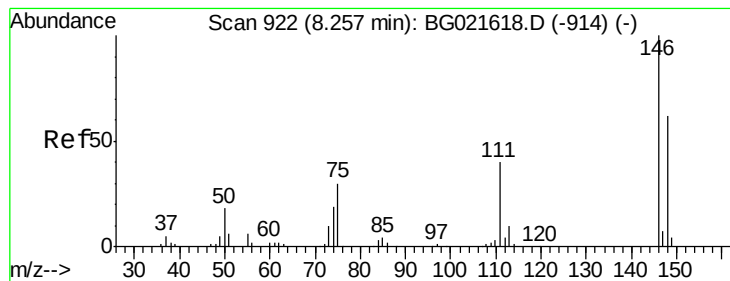
Tgt Ion: 93 Resp: 34891
 Ion Ratio Lower Upper
 93 100
 63 94.7 74.9 114.9
 95 32.1 8.3 48.3



#12
 1,3-Dichlorobenzene
 Concen: 16.38 ng
 RT: 8.11 min Scan# 897
 Delta R.T. -0.00 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

Tgt Ion: 146 Resp: 36051
 Ion Ratio Lower Upper
 146 100
 148 62.9 53.7 80.5
 75 34.9 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 16.27 ng

RT: 8.25 min Scan# 921

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

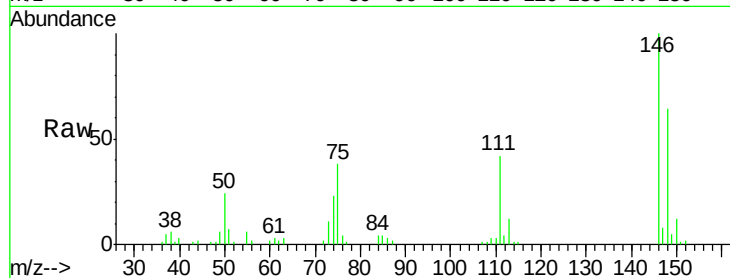
Tgt Ion:146 Resp: 36460

Ion Ratio Lower Upper

146 100

148 63.5 46.7 70.1

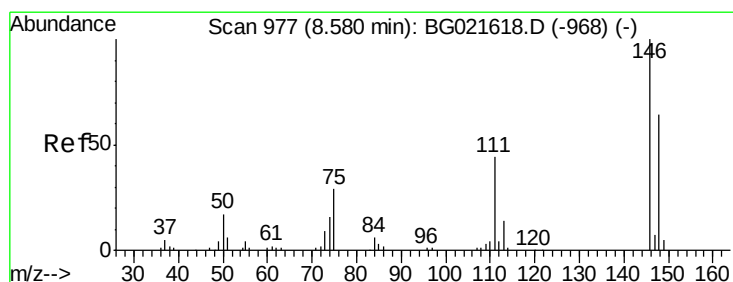
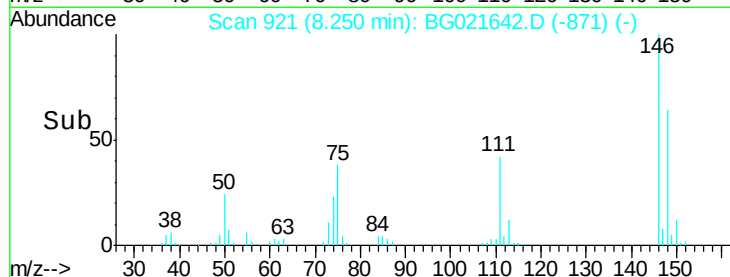
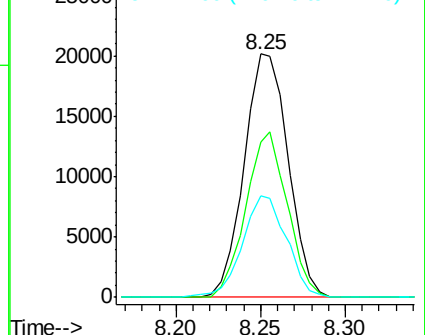
111 41.7 33.0 49.6



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: 16.64 ng

RT: 8.57 min Scan# 976

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

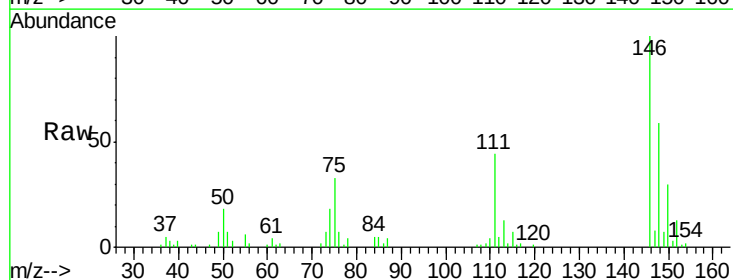
Tgt Ion:146 Resp: 35766

Ion Ratio Lower Upper

146 100

148 59.2 52.6 79.0

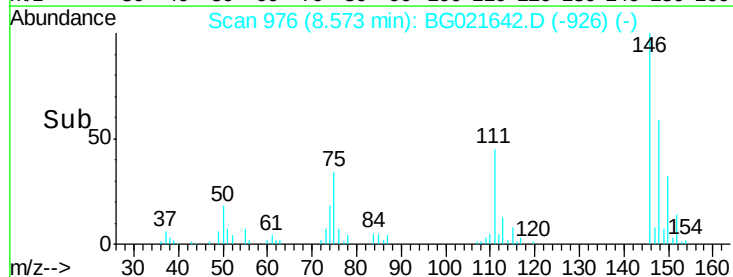
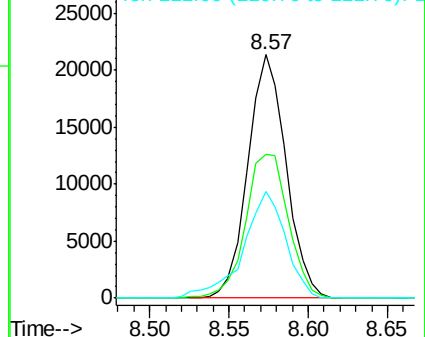
111 43.6 36.1 54.1

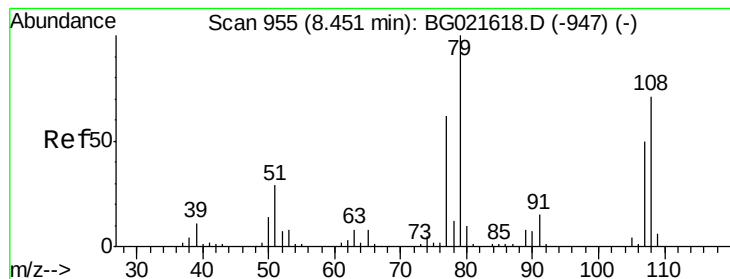


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 18.16 ng

RT: 8.45 min Scan# 955

Delta R.T. -0.00 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

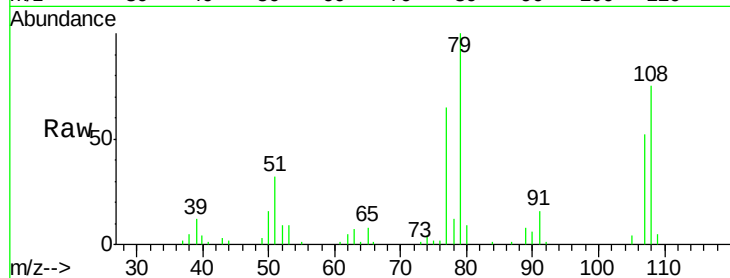
Tgt Ion: 79 Resp: 34084

Ion Ratio Lower Upper

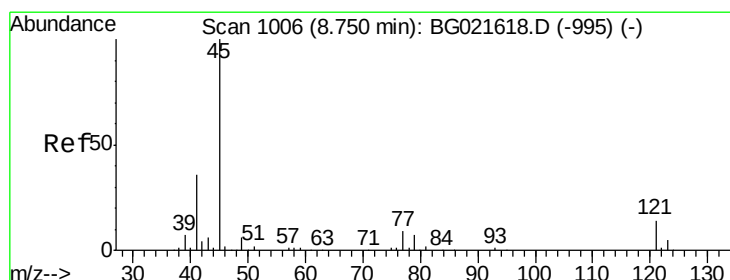
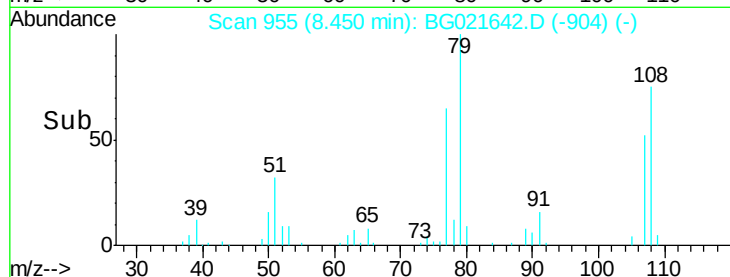
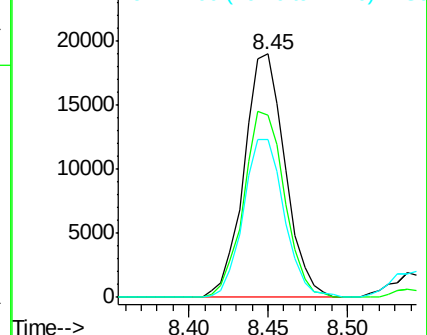
79 100

108 75.0 59.4 89.0

77 64.6 52.2 78.2



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: 15.41 ng

RT: 8.75 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

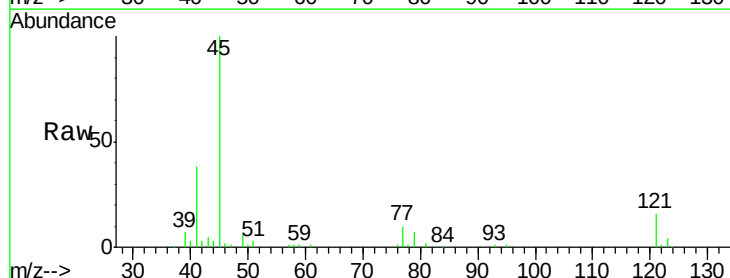
Tgt Ion: 45 Resp: 69788

Ion Ratio Lower Upper

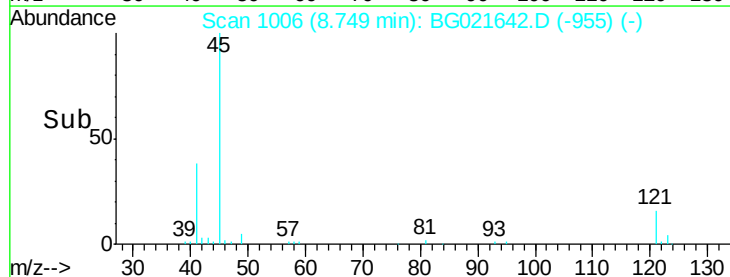
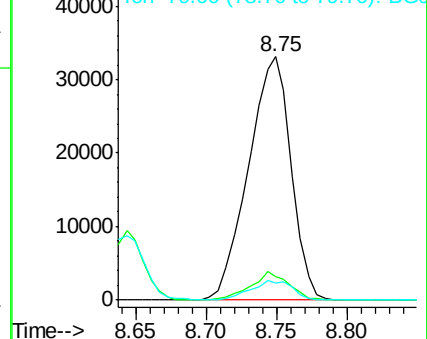
45 100

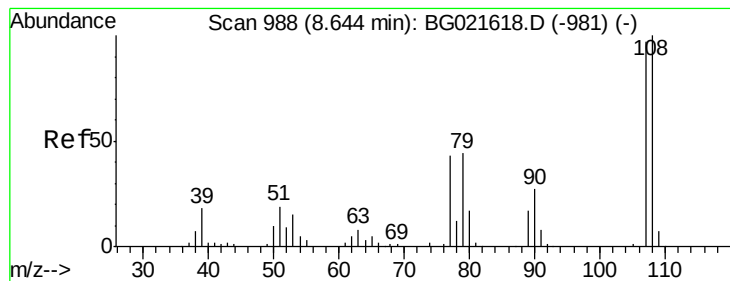
77 9.8 0.0 31.2

79 7.0 0.0 29.0



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: 18.36 ng

RT: 8.64 min Scan# 988

Delta R.T. -0.00 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:107 Resp: 33532

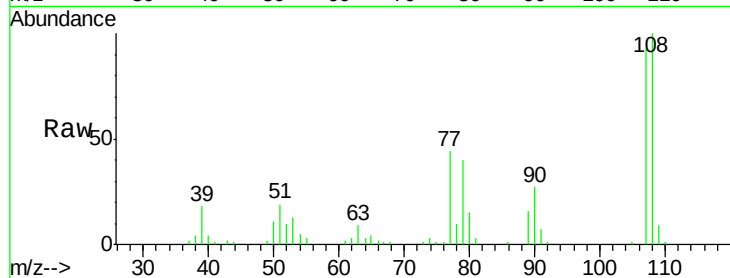
Ion Ratio Lower Upper

107 100

108 107.9 80.2 120.4

77 47.4 40.7 61.1

79 43.6 39.8 59.8

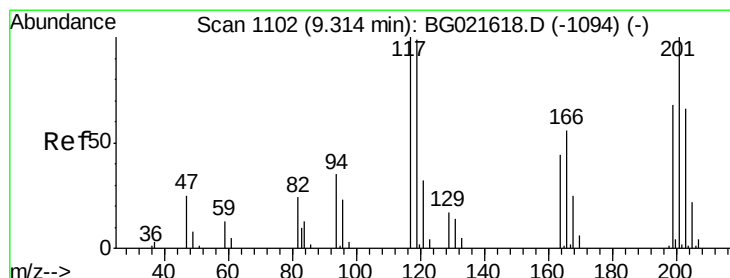
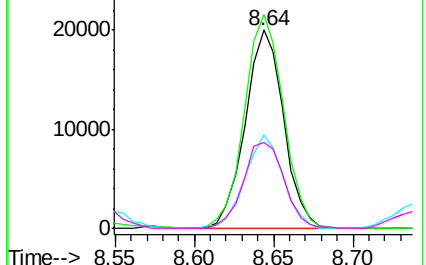
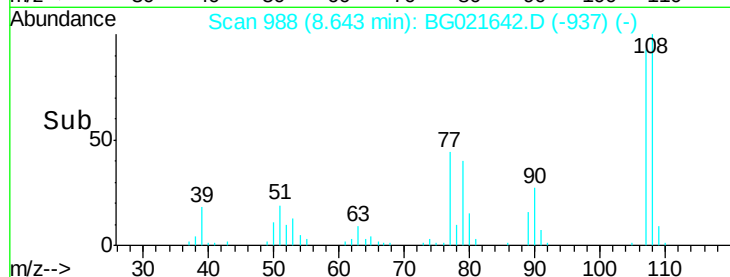


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18

Hexachloroethane

Concen: 16.45 ng

RT: 9.31 min Scan# 1101

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

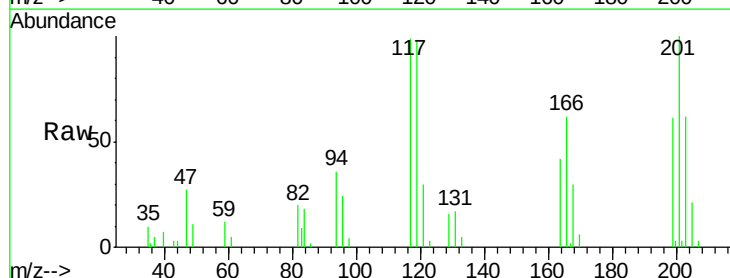
Tgt Ion:117 Resp: 13411

Ion Ratio Lower Upper

117 100

119 98.8 63.9 95.9#

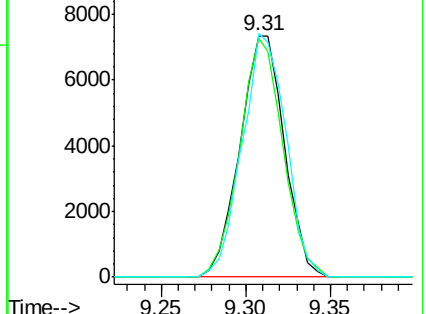
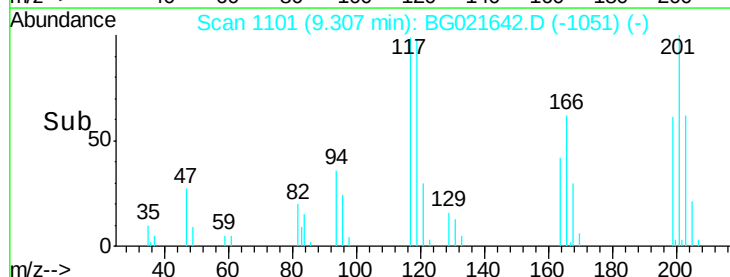
201 101.0 61.2 91.8#

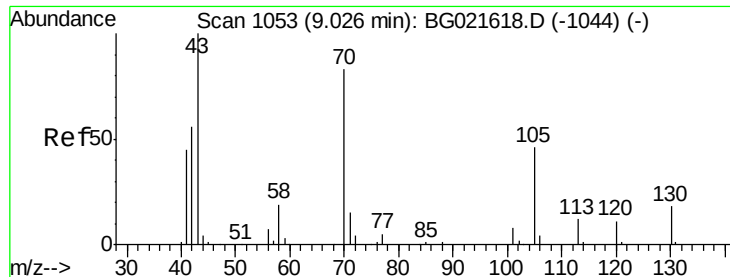


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

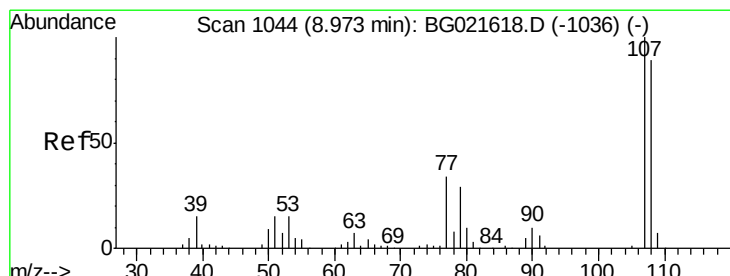
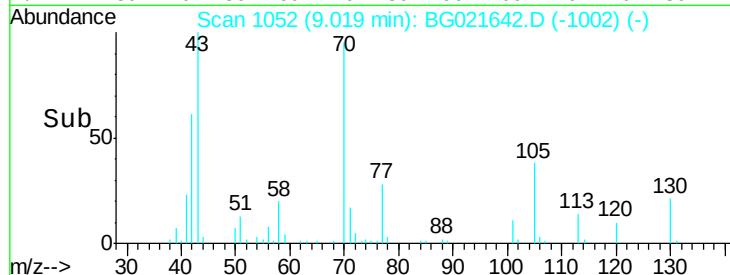
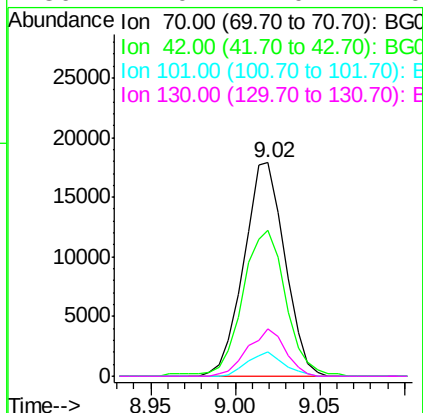
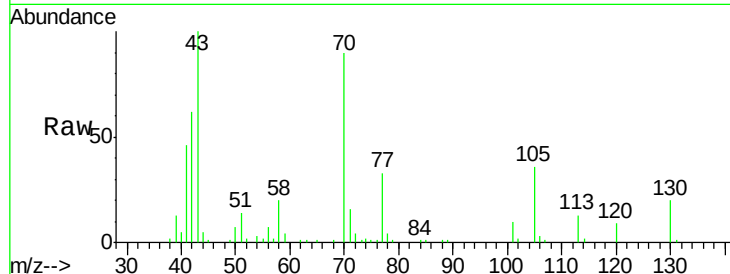




#19
n-Nitroso-di-n-propylamine
Concen: 15.85 ng
RT: 9.02 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

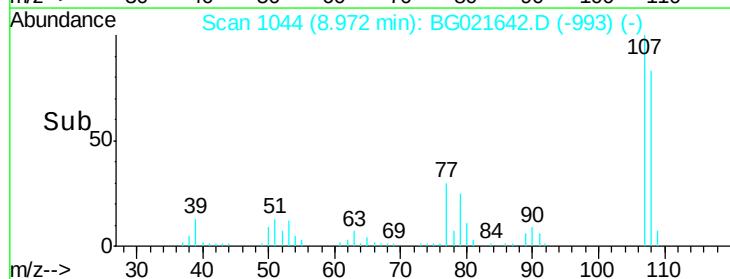
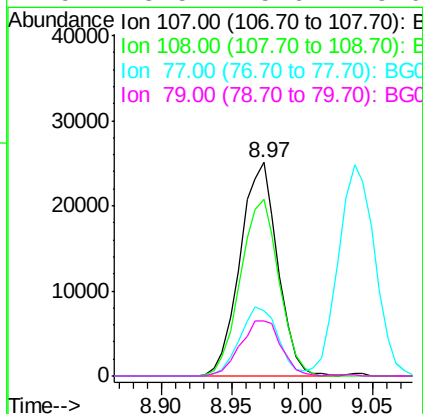
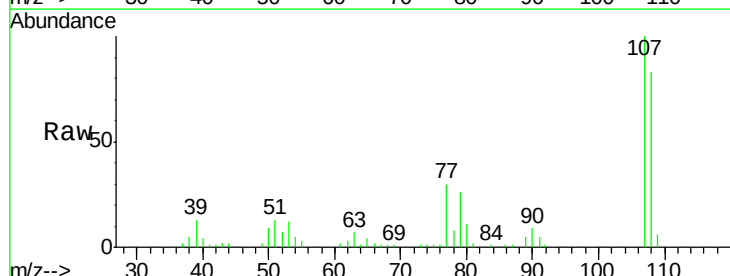
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

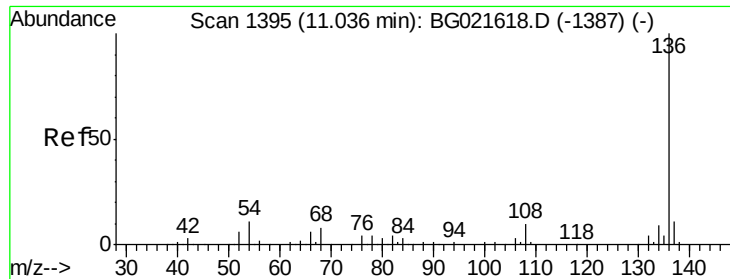
Tgt Ion: 70 Resp: 30240
Ion Ratio Lower Upper
70 100
42 68.5 56.7 85.1
101 11.4 8.2 12.4
130 22.0 14.0 21.0#



#20
3+4-Methylphenols
Concen: 18.67 ng
RT: 8.97 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Tgt Ion: 107 Resp: 46649
Ion Ratio Lower Upper
107 100
108 82.9 66.2 106.2
77 30.5 11.5 51.5
79 25.5 5.6 45.6

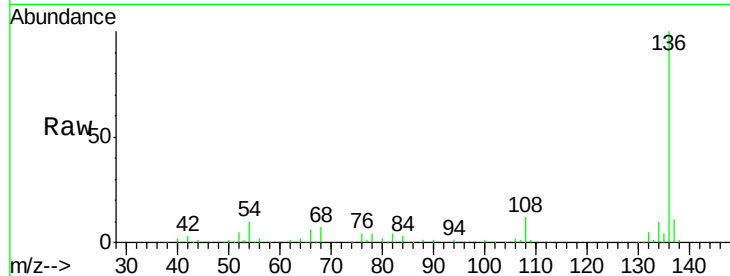




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.03 min Scan# 1395
Delta R.T. -0.00 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:	136	Resp:	120538
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	10.4	9.6	14.4
68	6.6	6.4	9.6



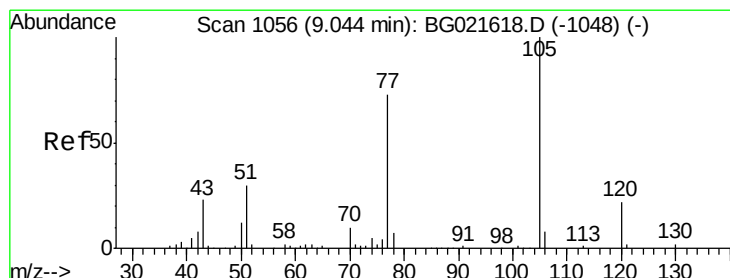
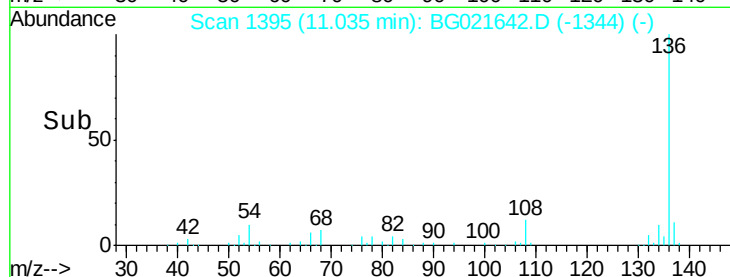
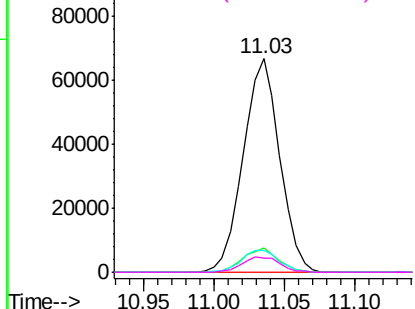
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

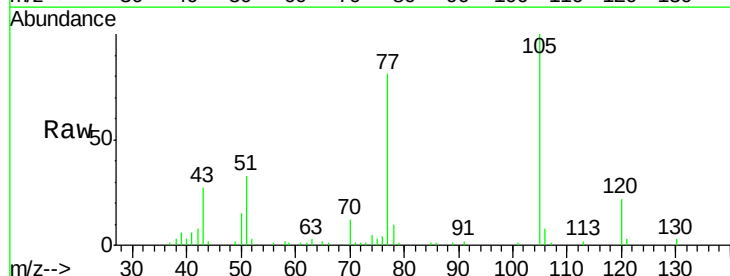
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 16.37 ng
RT: 9.04 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Tgt Ion:	105	Resp:	54961
Ion	Ratio	Lower	Upper
105	100		
71	1.3	0.0	0.0#
51	32.7	25.7	38.5
120	22.5	17.0	25.6



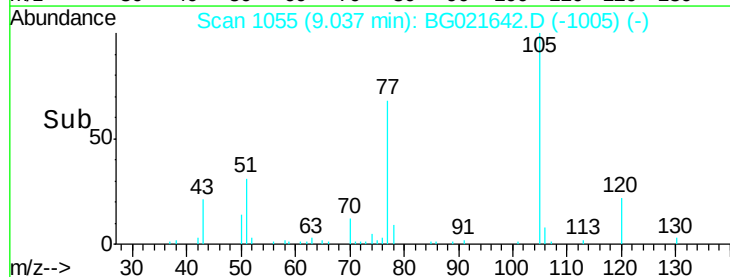
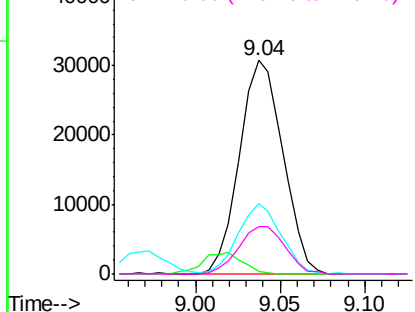
Abundance

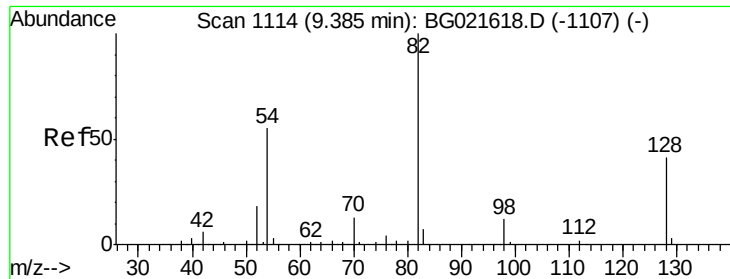
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

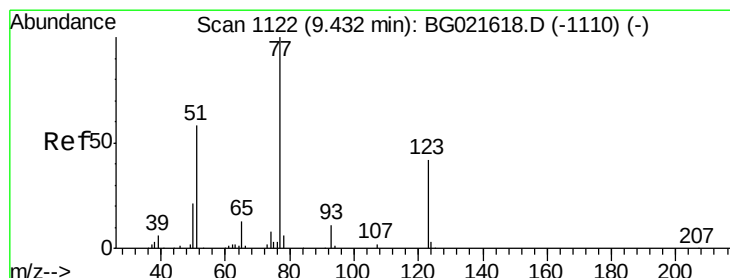
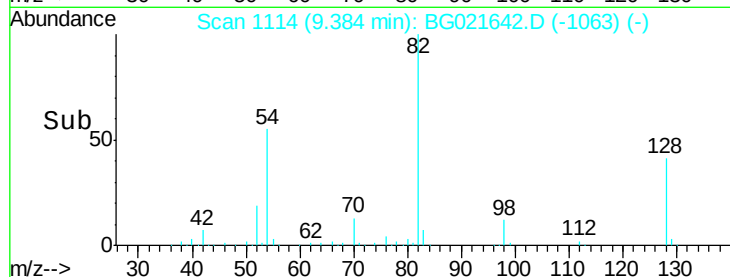
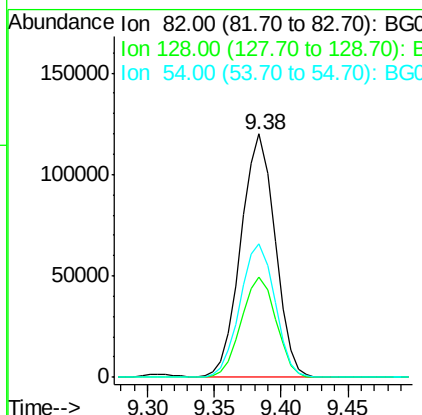
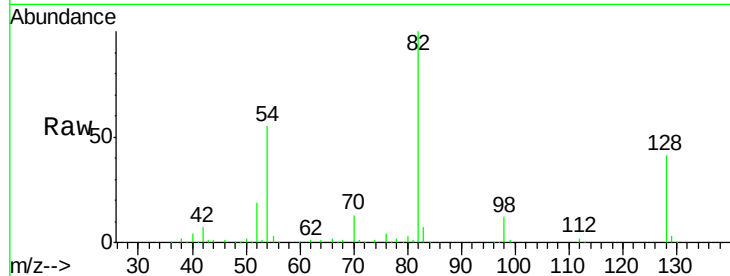




#23
 Nitrobenzene-d5
 Concen: 90.89 ng
 RT: 9.38 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

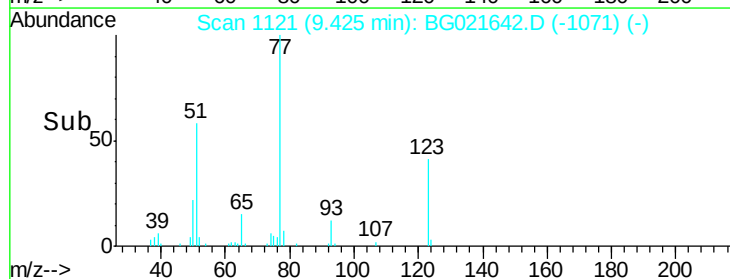
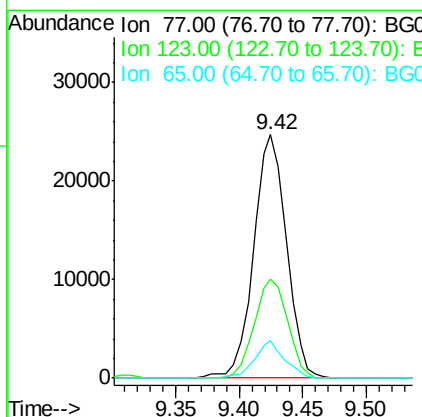
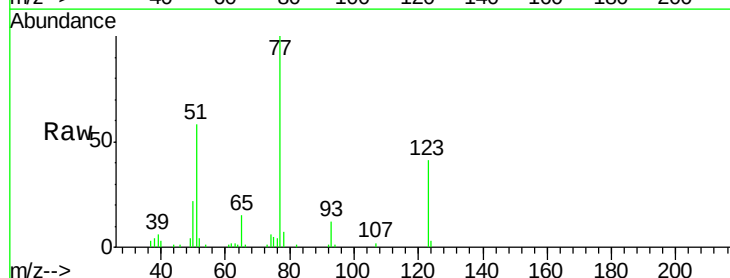
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

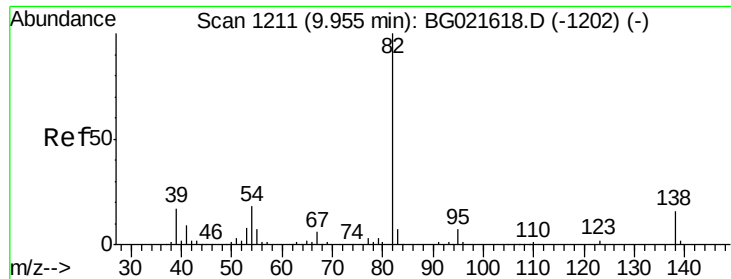
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.9	33.4	50.0
54	55.1	46.1	69.1



#24
 Nitrobenzene
 Concen: 17.71 ng
 RT: 9.42 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

Tgt Ion	Ratio	Lower	Upper
77	100		
123	40.7	32.2	48.4
65	15.4	10.3	15.5





#25

Isophorone

Concen: 16.01 ng

RT: 9.95 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

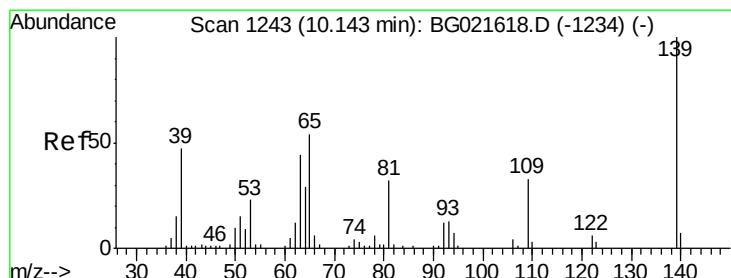
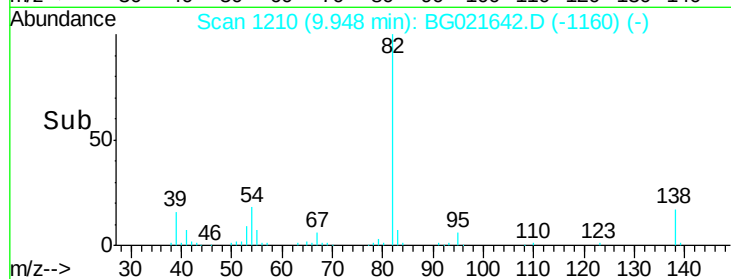
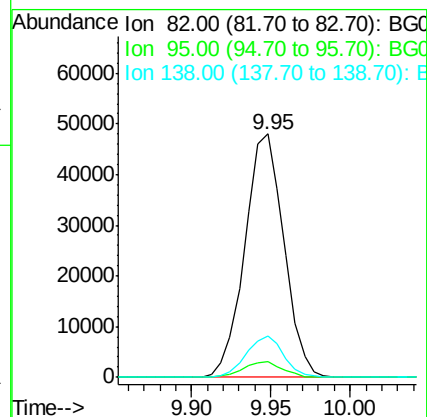
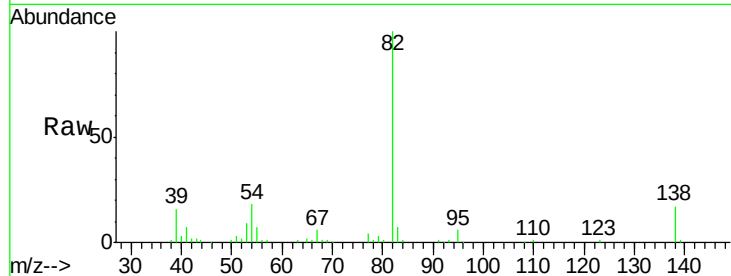
Tgt Ion: 82 Resp: 82179

Ion Ratio Lower Upper

82 100

95 6.5 6.0 9.0

138 17.0 13.4 20.0



#26

2-Nitrophenol

Concen: 15.00 ng

RT: 10.14 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

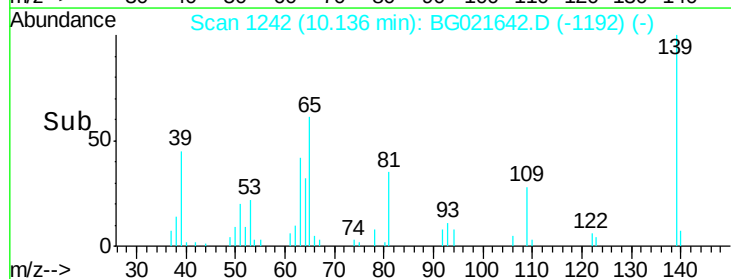
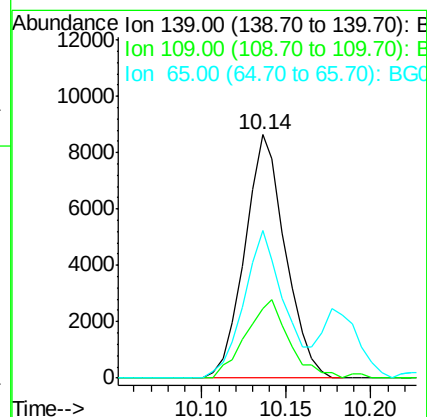
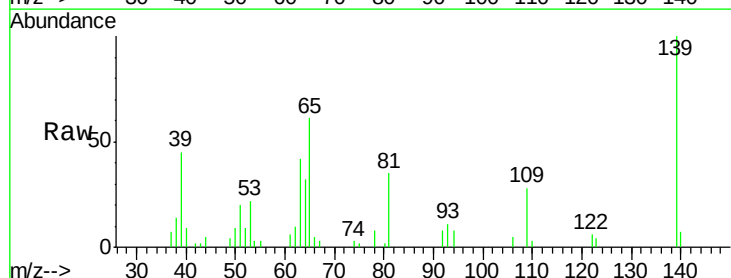
Tgt Ion: 139 Resp: 14377

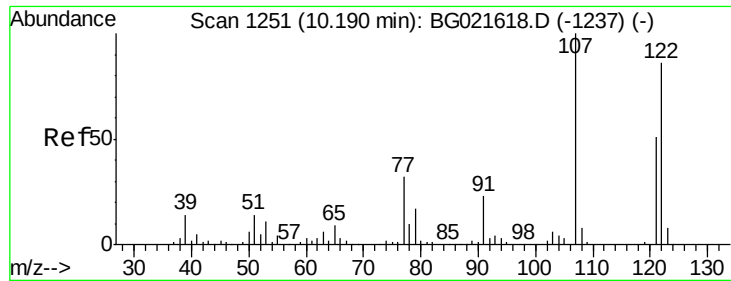
Ion Ratio Lower Upper

139 100

109 28.3 26.6 40.0

65 60.5 45.3 67.9

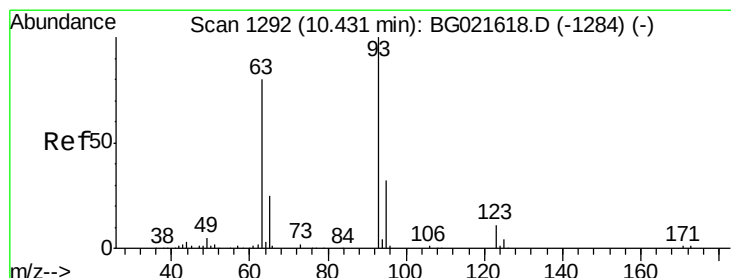
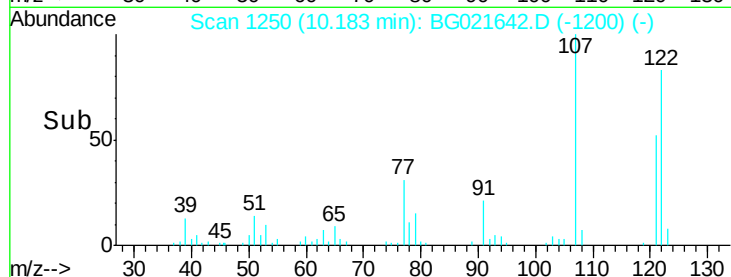
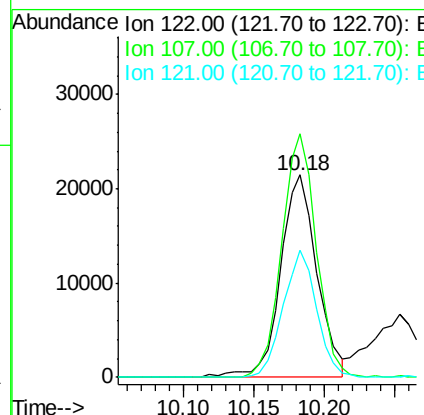
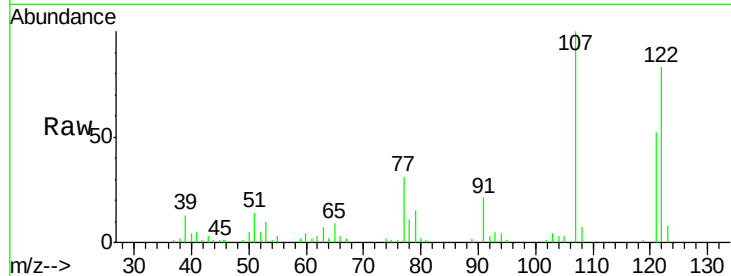




#27
2,4-Dimethylphenol
Concen: 17.67 ng
RT: 10.18 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

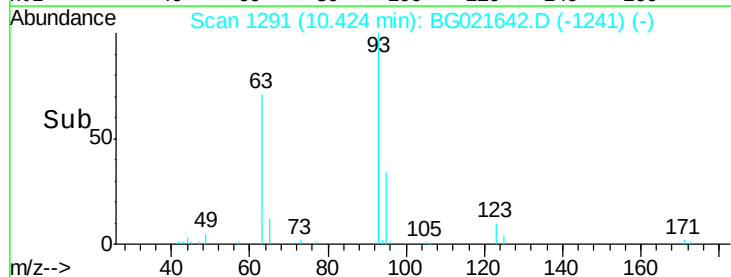
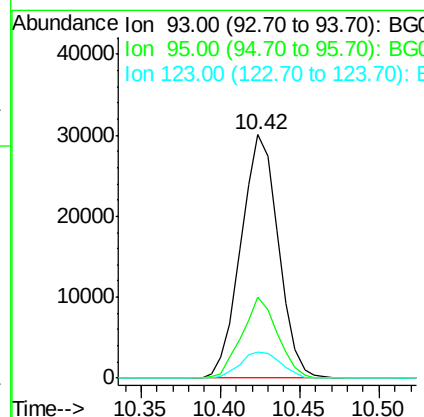
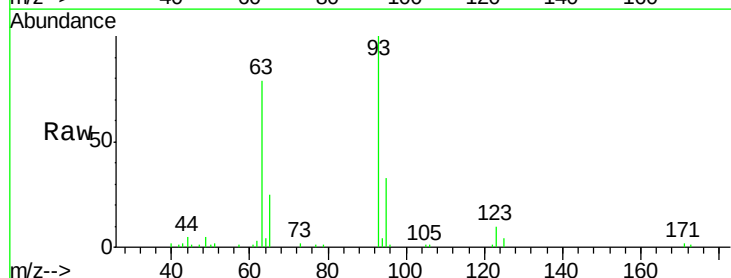
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

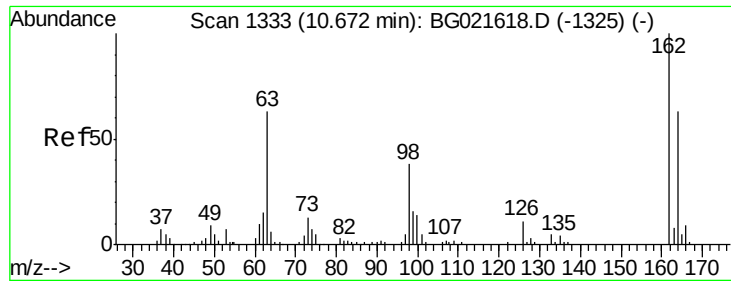
Tgt Ion: 122 Resp: 38487
Ion Ratio Lower Upper
122 100
107 120.3 97.2 145.8
121 62.7 49.0 73.4



#28
bis(2-Chloroethoxy)methane
Concen: 18.07 ng
RT: 10.42 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Tgt Ion: 93 Resp: 49278
Ion Ratio Lower Upper
93 100
95 33.2 30.1 45.1
123 10.5 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 19.09 ng

RT: 10.67 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

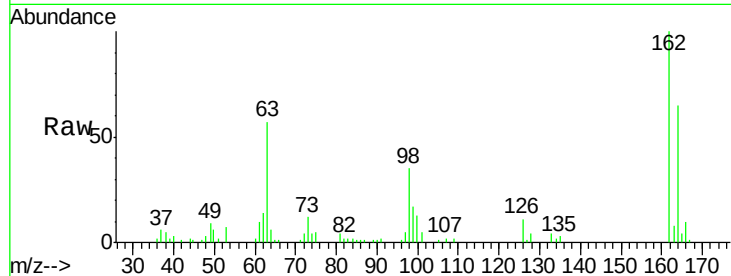
Tgt Ion:162 Resp: 35444

Ion Ratio Lower Upper

162 100

164 65.2 44.9 84.9

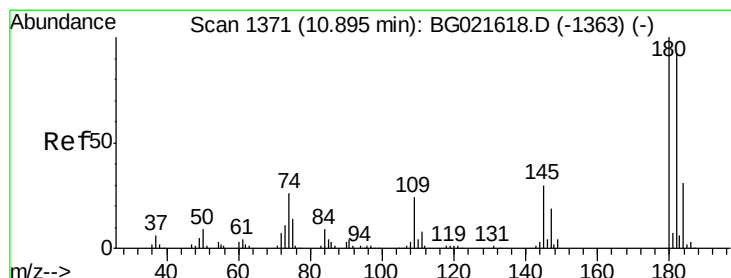
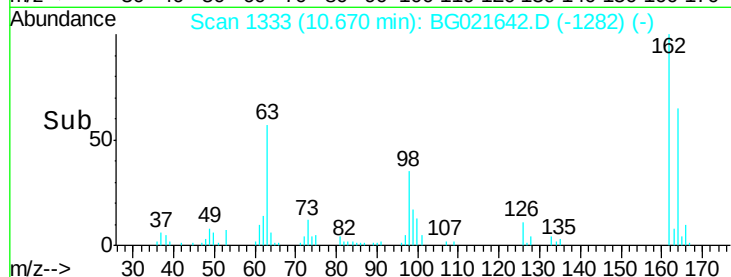
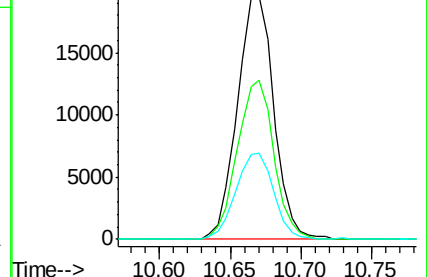
98 35.4 19.2 59.2



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30

1,2,4-Trichlorobenzene

Concen: 17.94 ng

RT: 10.89 min Scan# 1371

Delta R.T. -0.00 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

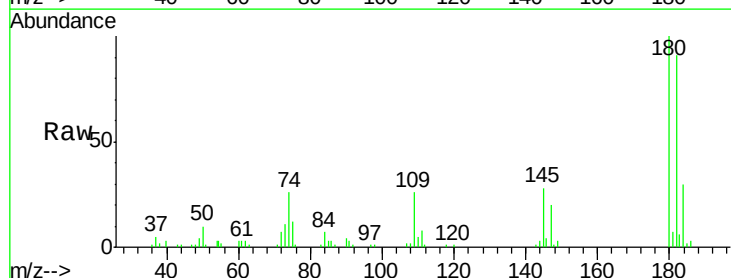
Tgt Ion:180 Resp: 35806

Ion Ratio Lower Upper

180 100

182 90.7 82.3 123.5

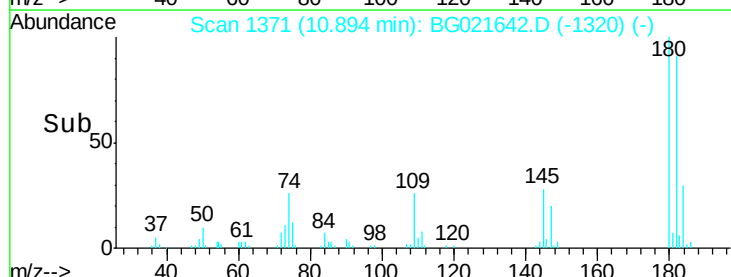
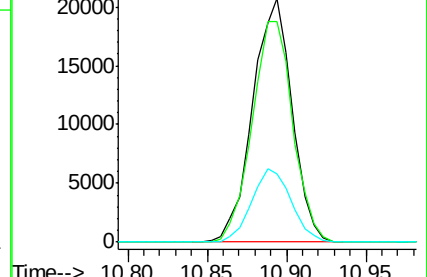
145 28.3 24.4 36.6

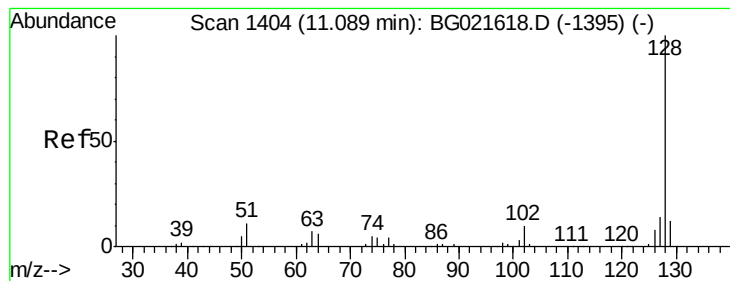


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

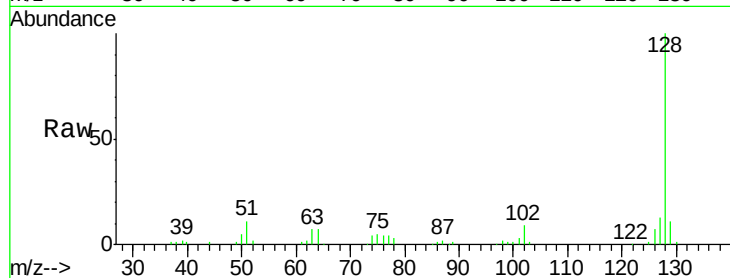




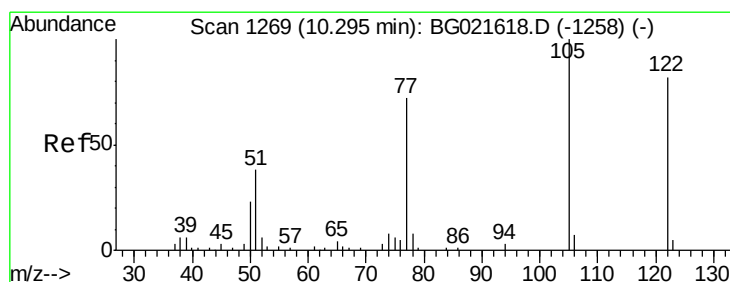
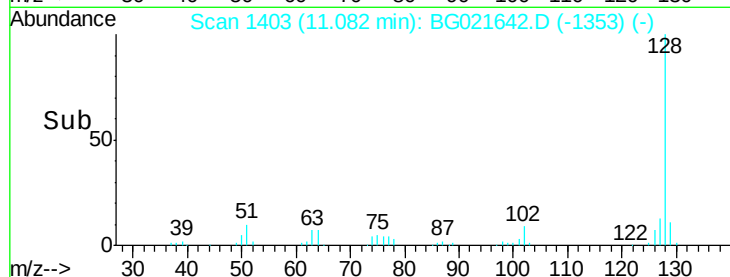
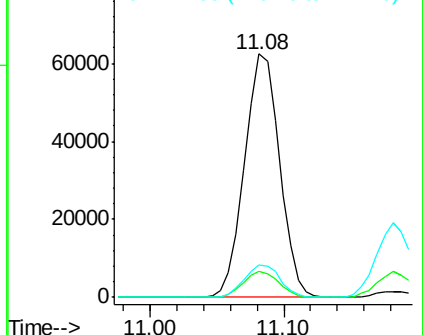
#31
Naphthalene
Concen: 17.56 ng
RT: 11.08 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:128 Resp: 113299
Ion Ratio Lower Upper
128 100
129 10.7 7.0 10.6#
127 13.2 10.1 15.1

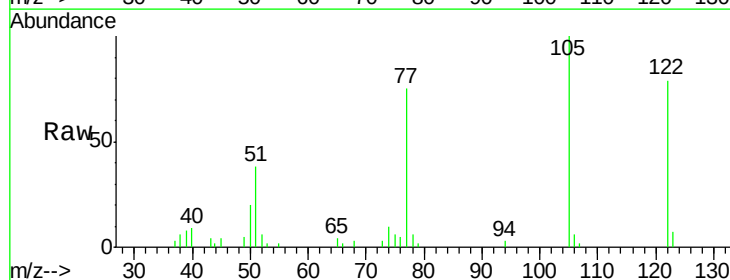


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

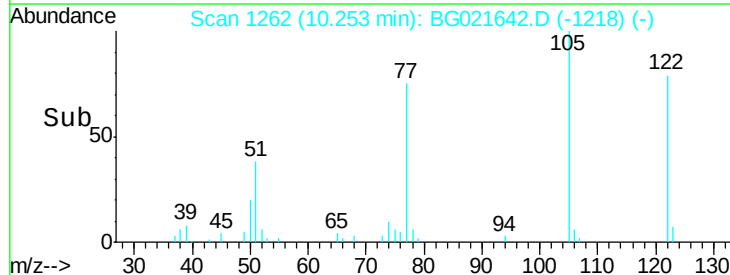
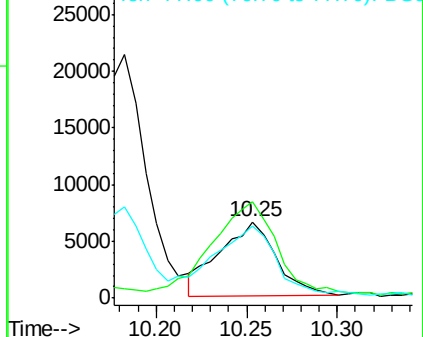


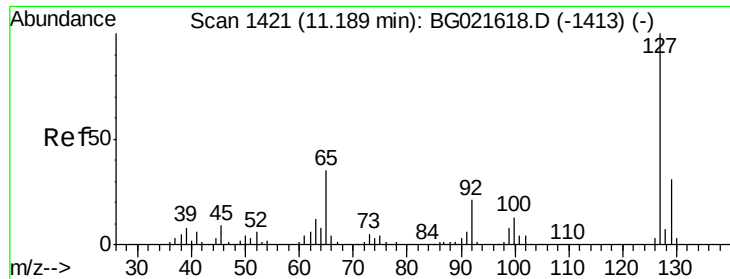
#32
Benzoic acid
Concen: 16.49 ng
RT: 10.25 min Scan# 1262
Delta R.T. -0.04 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Tgt Ion:122 Resp: 14090
Ion Ratio Lower Upper
122 100
105 126.7 104.5 144.5
77 94.8 79.9 119.9



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

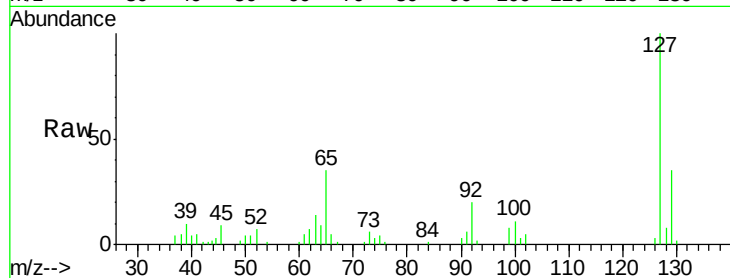




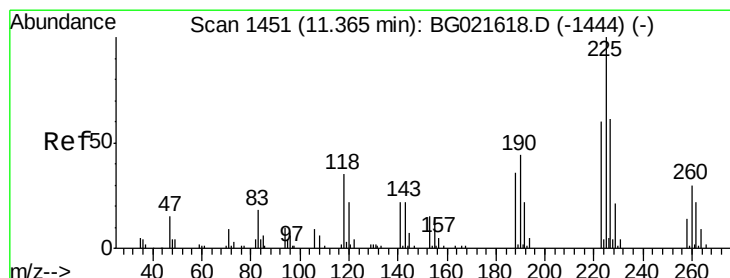
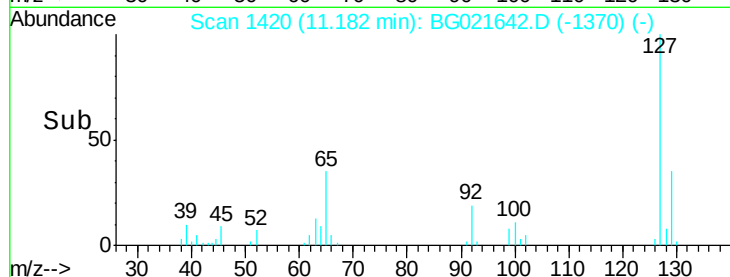
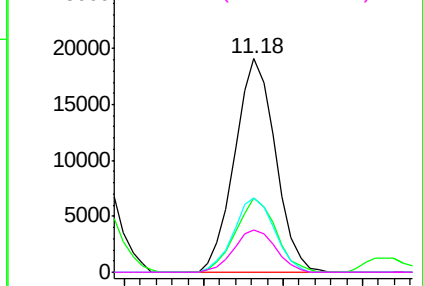
#33
4-Chloroaniline
Concen: 12.21 ng
RT: 11.18 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:	127	Resp:	34087
Ion	Ratio	Lower	Upper
127	100		
129	34.9	26.6	39.8
65	35.0	27.5	41.3
92	19.9	14.7	22.1

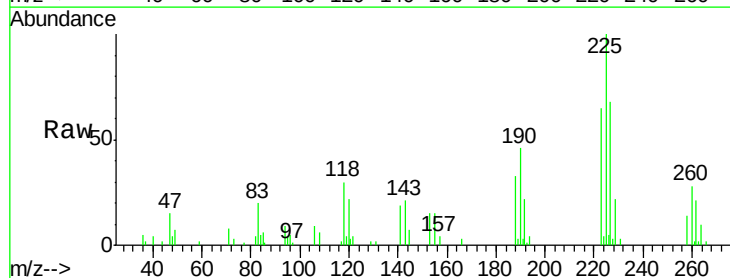


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

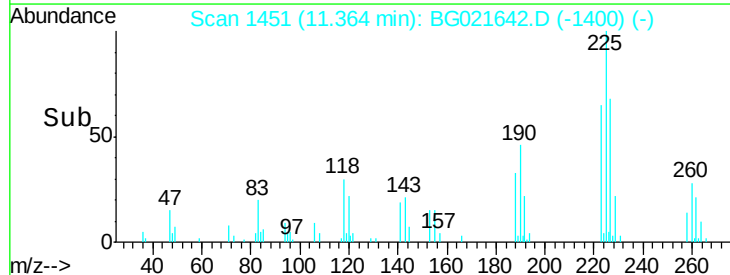
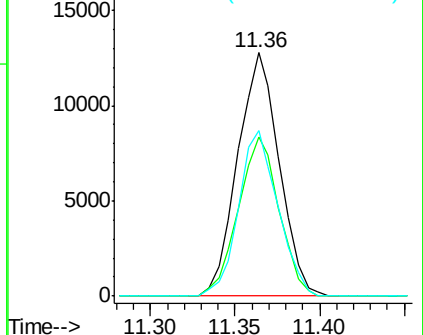


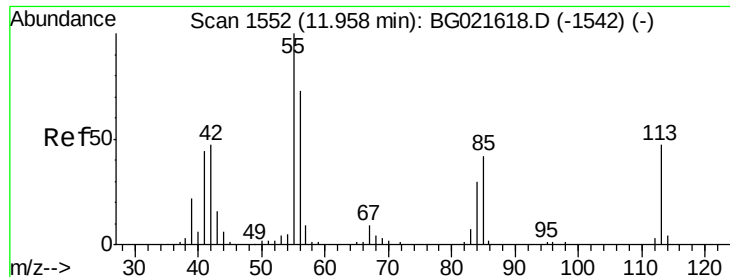
#34
Hexachlorobutadiene
Concen: 16.91 ng
RT: 11.36 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Tgt Ion:	225	Resp:	21769
Ion	Ratio	Lower	Upper
225	100		
223	65.2	52.7	79.1
227	67.8	49.7	74.5



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





#35

Caprolactam

Concen: 16.73 ng

RT: 11.94 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

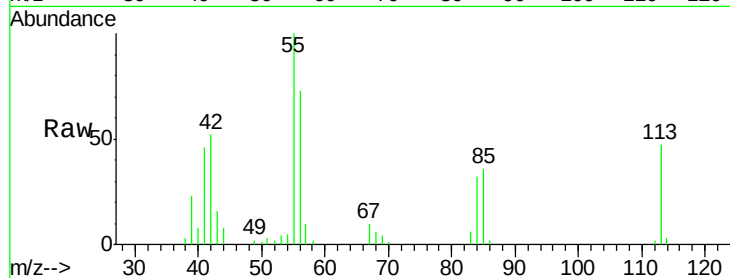
Tgt Ion:113 Resp: 14216

Ion Ratio Lower Upper

113 100

55 214.8 194.2 234.2

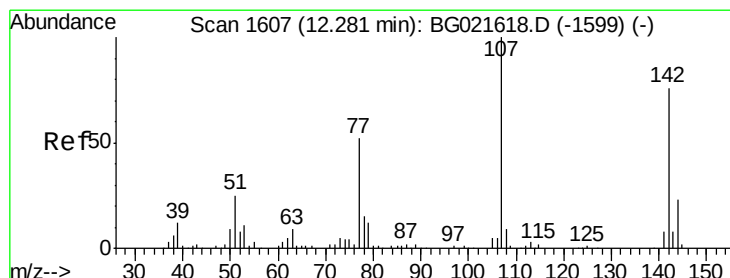
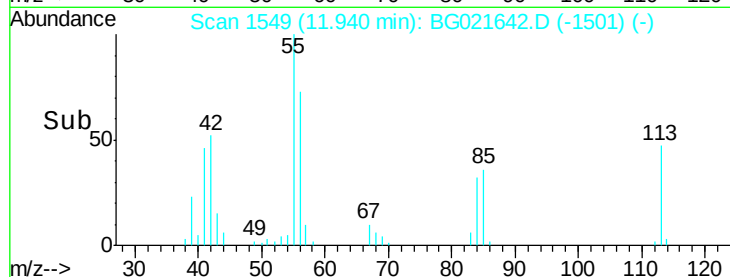
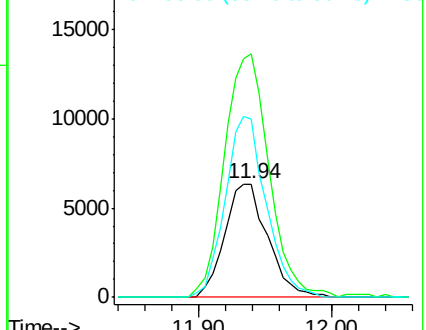
56 156.8 122.6 162.6



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: 17.77 ng

RT: 12.27 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

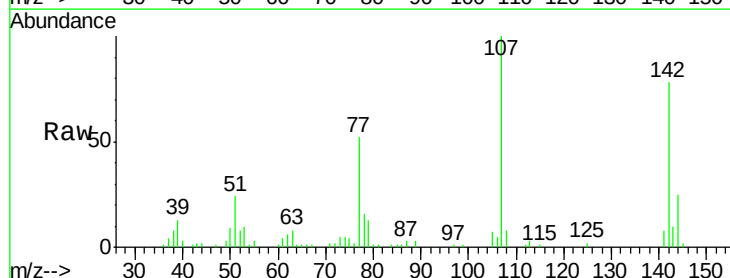
Tgt Ion:107 Resp: 41487

Ion Ratio Lower Upper

107 100

144 25.3 19.2 28.8

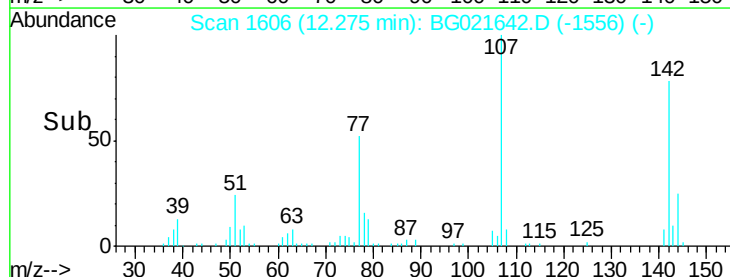
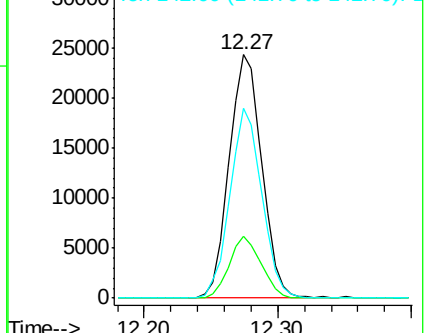
142 78.1 59.1 88.7

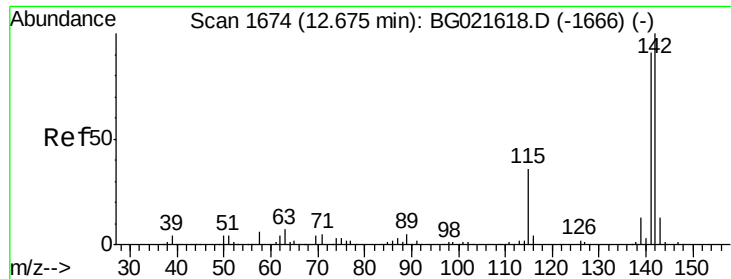


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

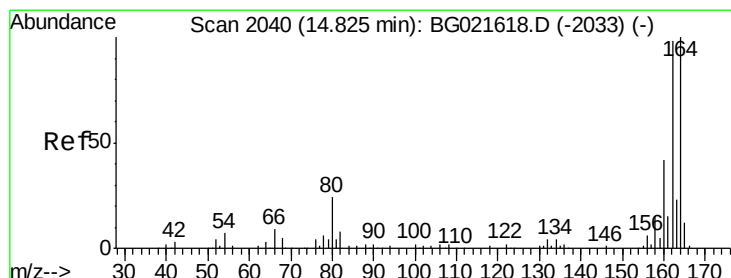
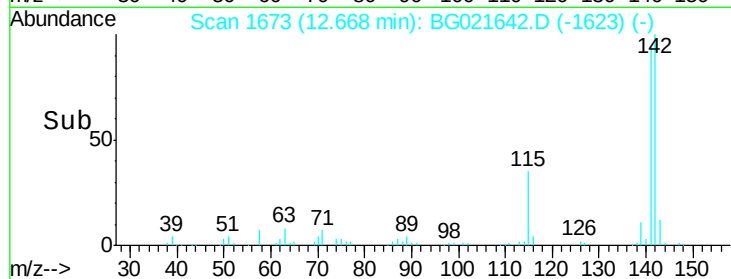
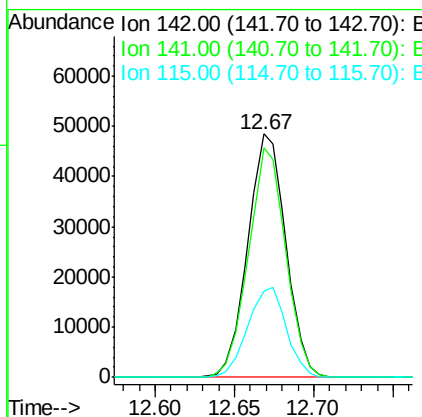
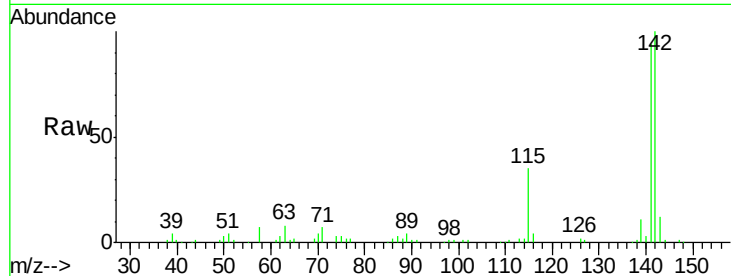




#37
 2-Methylnaphthalene
 Concen: 18.30 ng
 RT: 12.67 min Scan# 1673
 Delta R.T. -0.01 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

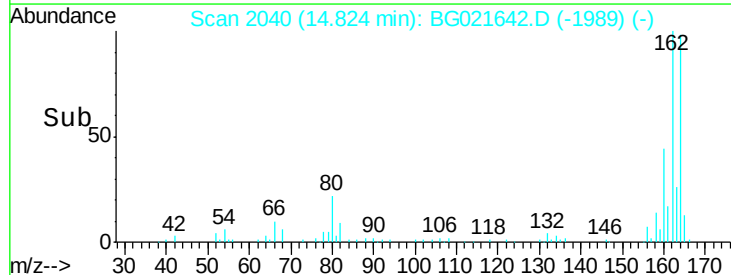
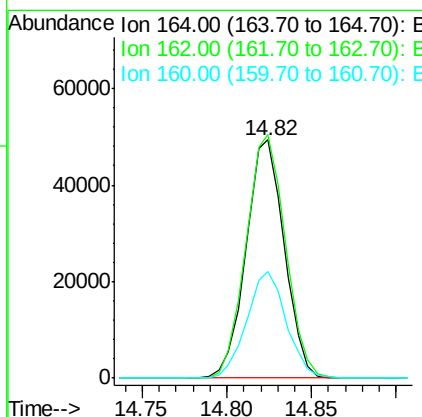
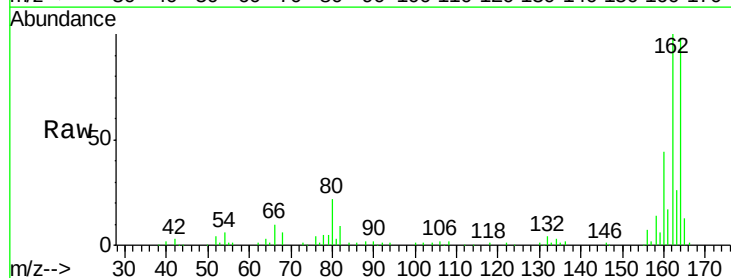
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

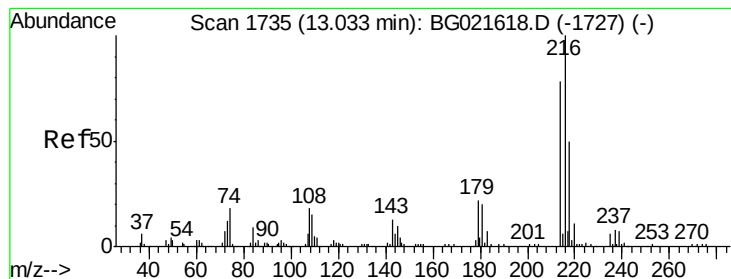
Tgt Ion:142 Resp: 81032
 Ion Ratio Lower Upper
 142 100
 141 94.3 71.4 107.0
 115 35.3 27.4 41.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2040
 Delta R.T. -0.00 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

Tgt Ion:164 Resp: 77642
 Ion Ratio Lower Upper
 164 100
 162 102.2 78.0 117.0
 160 44.6 32.9 49.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 16.66 ng

RT: 13.03 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:216 Resp: 40426

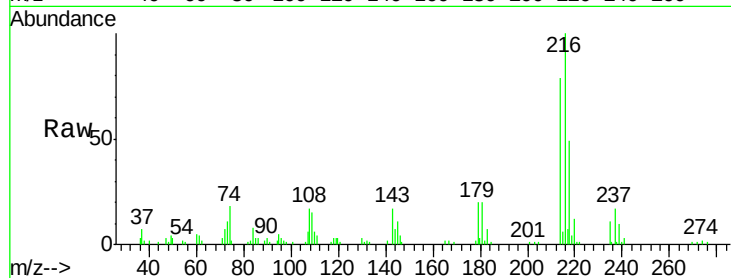
Ion Ratio Lower Upper

216 100

214 79.1 62.2 93.2

179 21.2 16.7 25.1

108 19.0 14.0 21.0

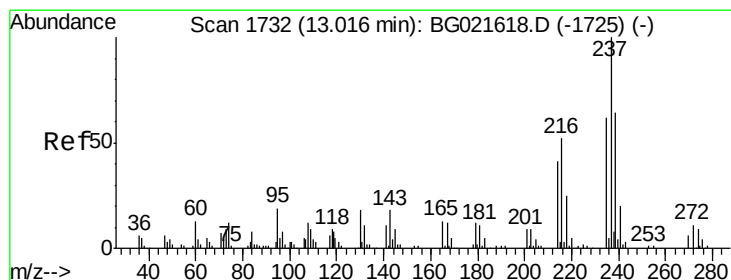
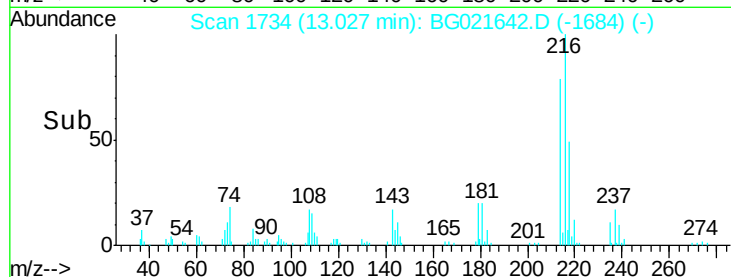
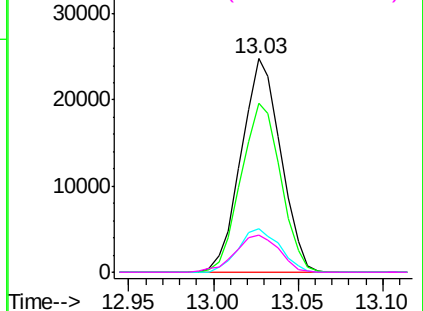


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 18.39 ng

RT: 13.01 min Scan# 1731

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

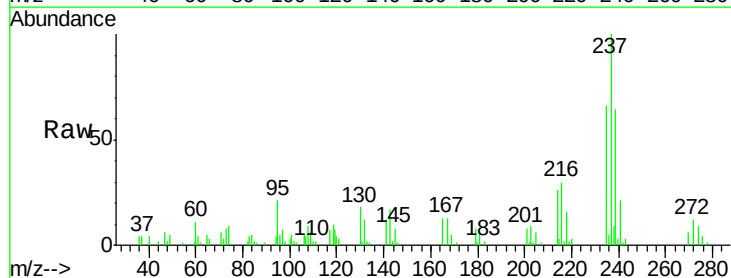
Tgt Ion:237 Resp: 24792

Ion Ratio Lower Upper

237 100

235 65.6 43.2 83.2

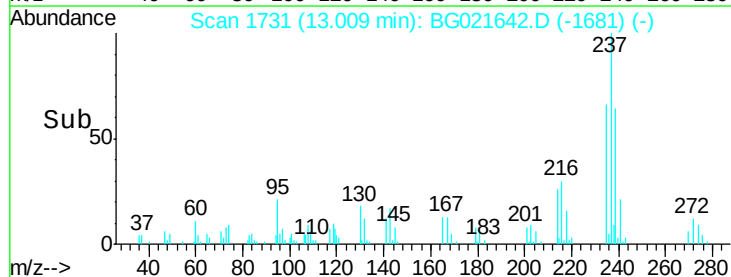
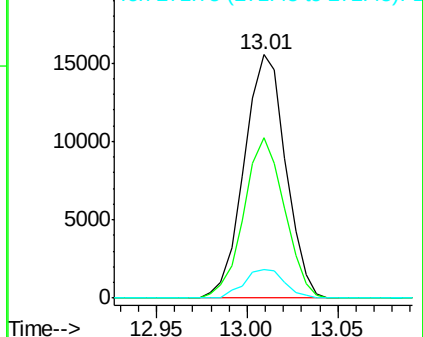
272 11.9 0.0 33.4

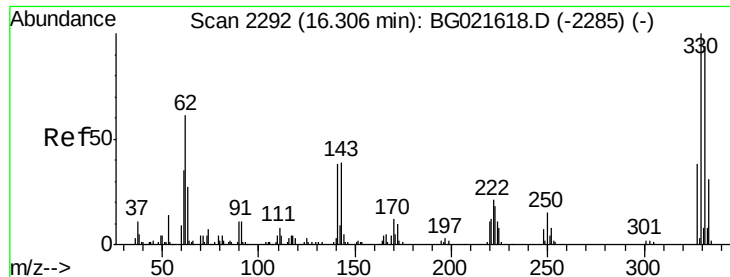


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

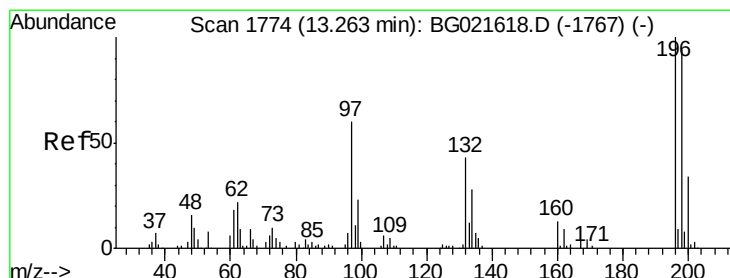
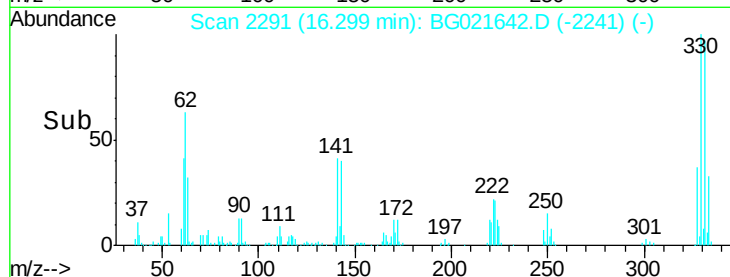
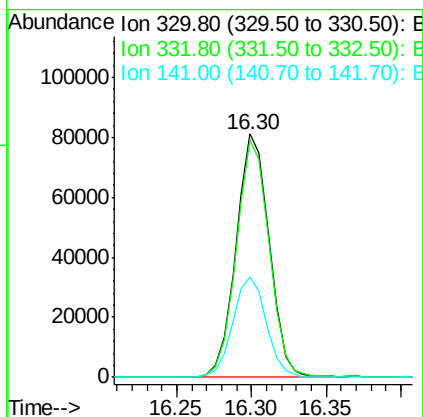
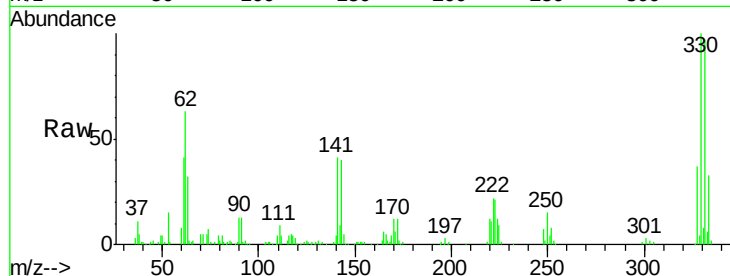




#41
 2,4,6-Tribromophenol
 Concen: 149.48 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

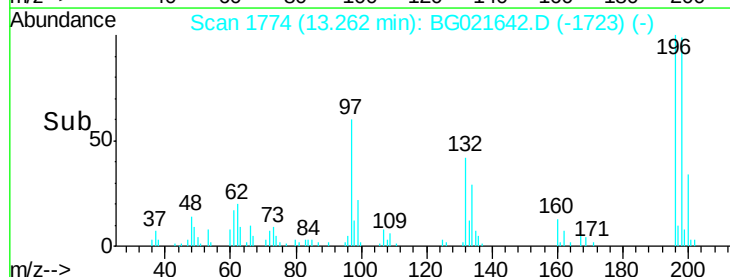
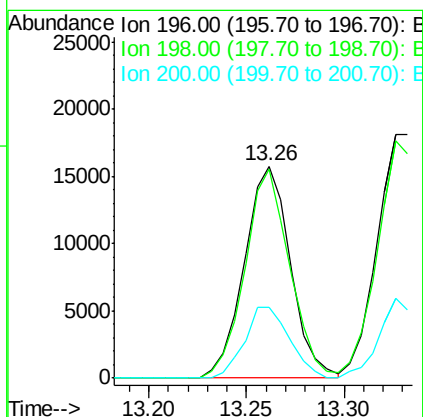
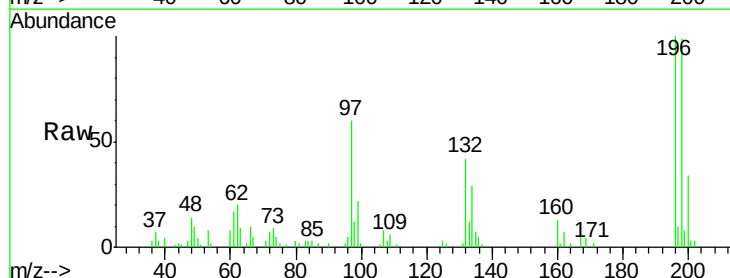
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

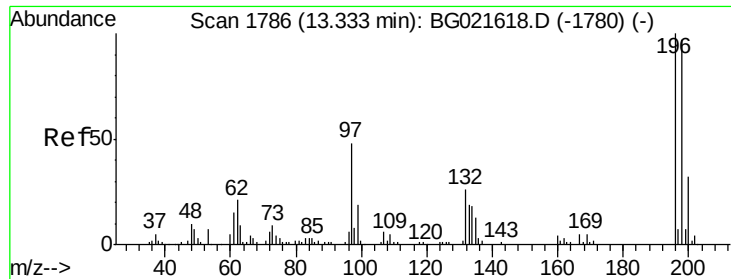
Tgt Ion:330 Resp: 125080
 Ion Ratio Lower Upper
 330 100
 332 97.3 78.0 117.0
 141 41.6 33.8 50.8



#42
 2,4,6-Trichlorophenol
 Concen: 16.63 ng
 RT: 13.26 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

Tgt Ion:196 Resp: 25731
 Ion Ratio Lower Upper
 196 100
 198 98.6 80.1 120.1
 200 33.6 24.1 36.1

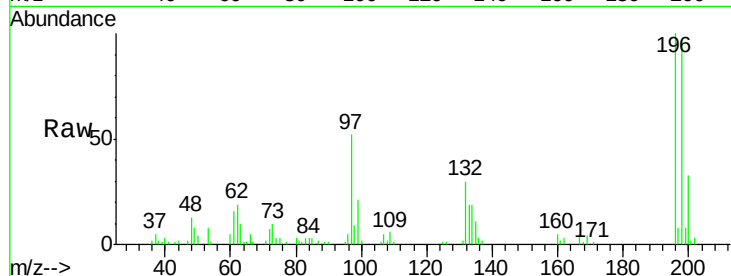




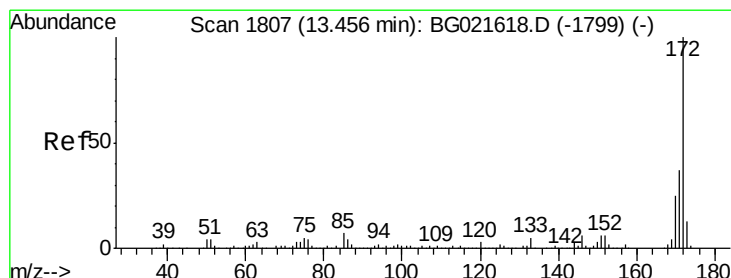
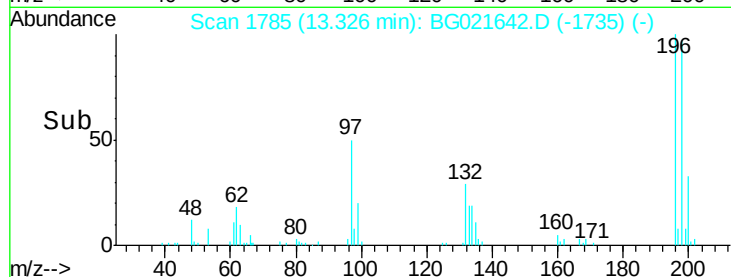
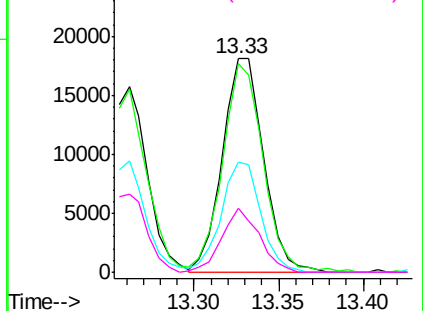
#43
2,4,5-Trichlorophenol
Concen: 18.45 ng
RT: 13.33 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:	196	Resp:	30797
Ion	Ratio	Lower	Upper
196	100		
198	97.4	78.0	117.0
97	51.8	43.0	64.6
132	29.9	23.0	34.4

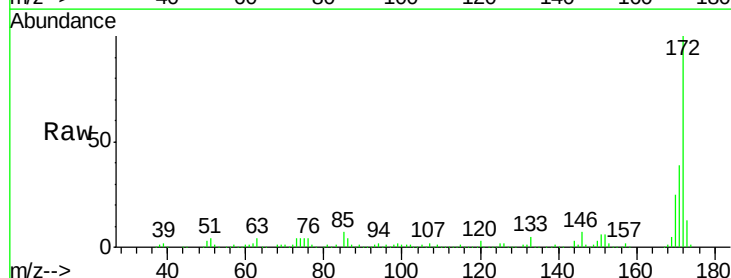


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BG
Ion 132.00 (131.70 to 132.70): E

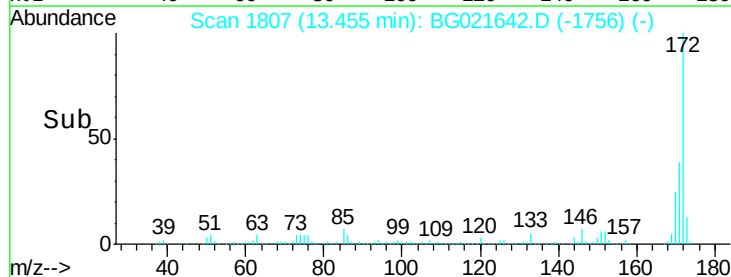
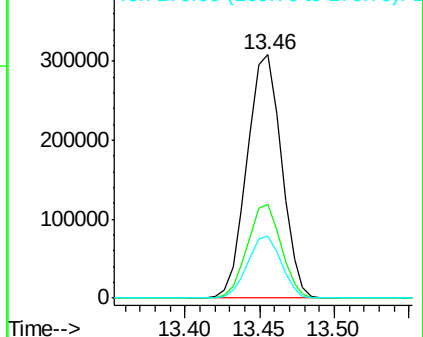


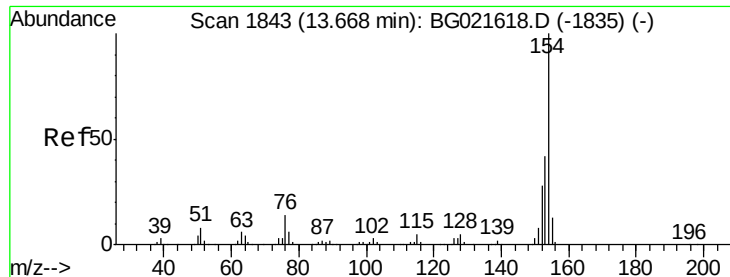
#44
2-Fluorobiphenyl
Concen: 93.00 ng
RT: 13.46 min Scan# 1807
Delta R.T. -0.00 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Tgt Ion:	172	Resp:	492839
Ion	Ratio	Lower	Upper
172	100		
171	38.5	27.8	41.6
170	25.3	19.6	29.4



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: 16.71 ng

RT: 13.66 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

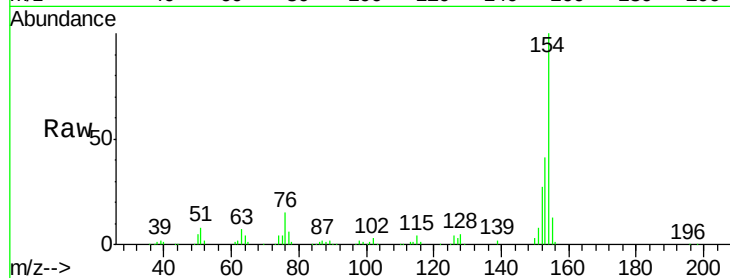
Tgt Ion:154 Resp: 109292

Ion Ratio Lower Upper

154 100

153 40.8 19.7 59.7

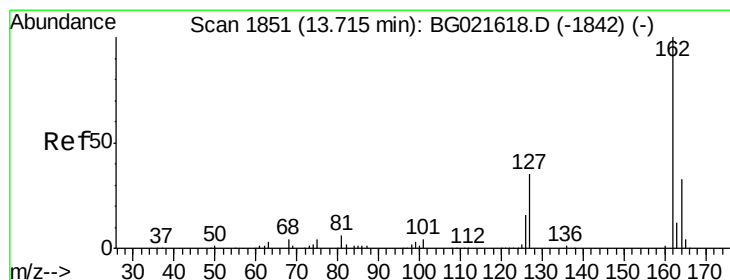
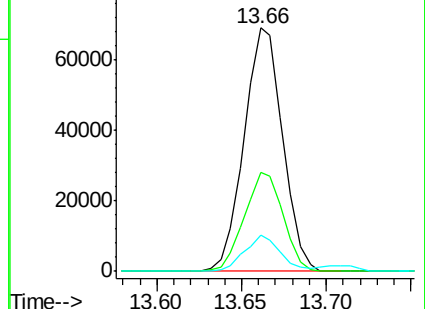
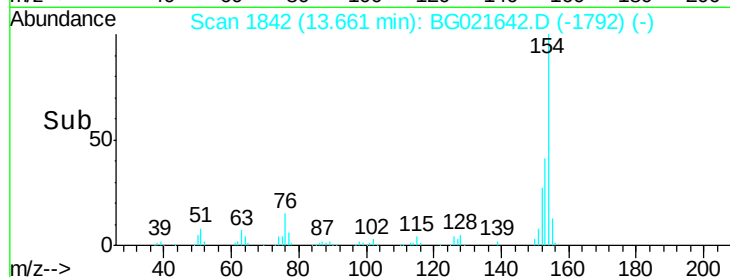
76 14.7 0.0 33.0



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: 17.31 ng

RT: 13.71 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

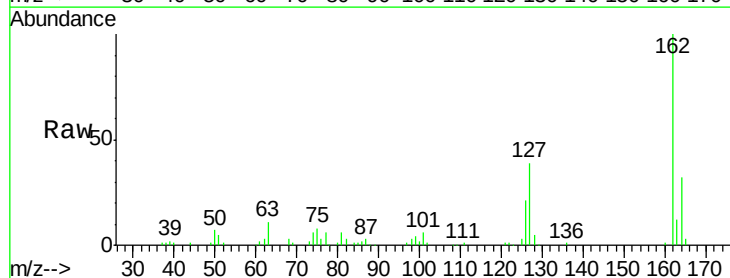
Tgt Ion:162 Resp: 83722

Ion Ratio Lower Upper

162 100

127 39.3 32.0 48.0

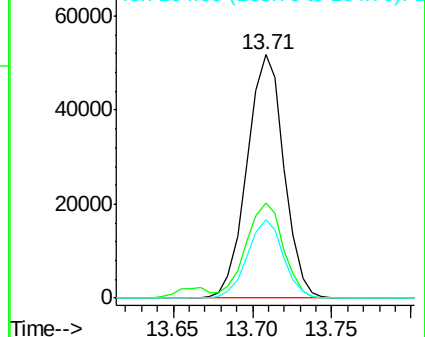
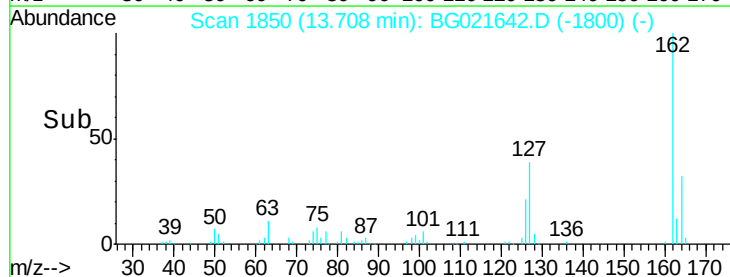
164 32.2 27.0 40.4

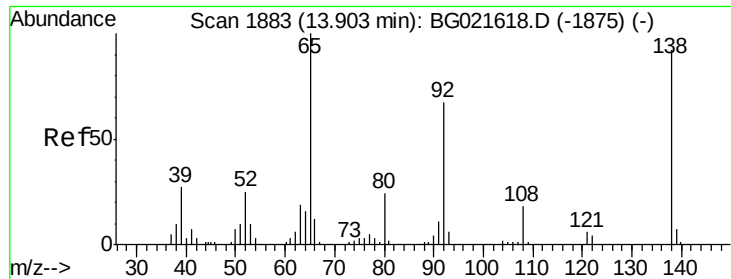


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

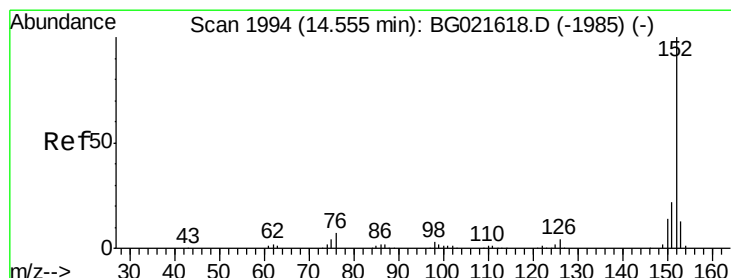
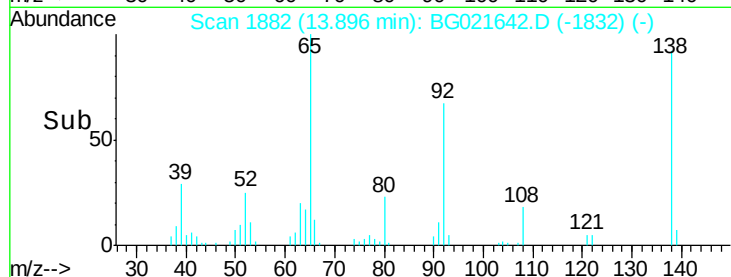
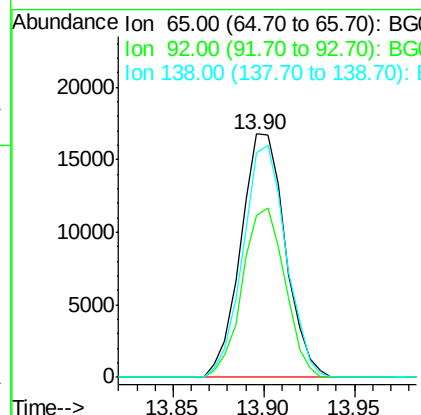
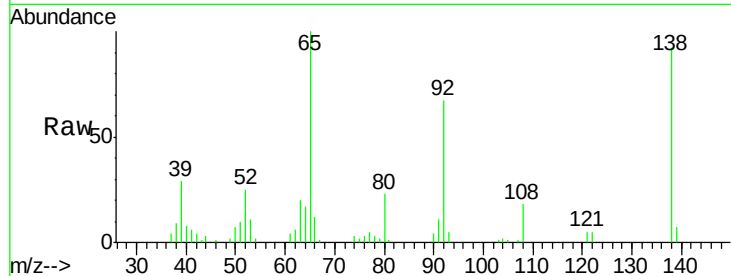




#47
2-Nitroaniline
Concen: 17.29 ng
RT: 13.90 min Scan# 1882
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

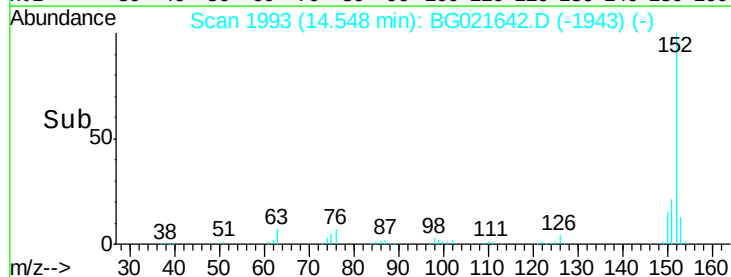
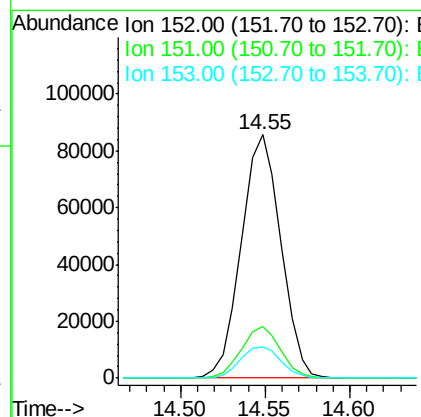
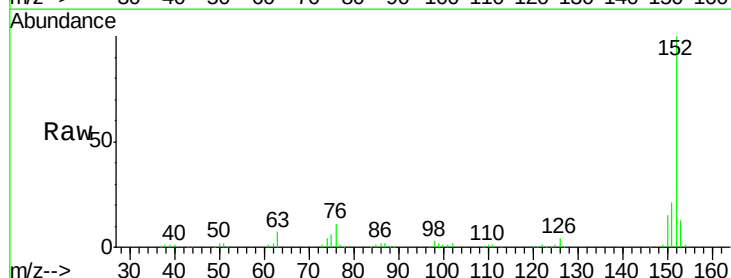
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

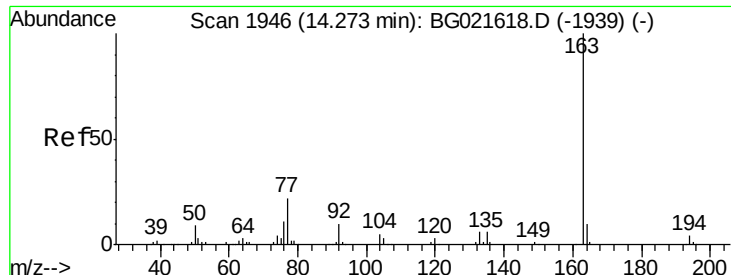
Tgt Ion: 65 Resp: 28665
Ion Ratio Lower Upper
65 100
92 66.5 49.2 73.8
138 92.1 75.0 112.6



#48
Acenaphthylene
Concen: 17.44 ng
RT: 14.55 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Tgt Ion: 152 Resp: 139465
Ion Ratio Lower Upper
152 100
151 21.3 16.6 24.8
153 12.7 10.2 15.2





#49

Dimethylphthalate

Concen: 16.82 ng

RT: 14.27 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

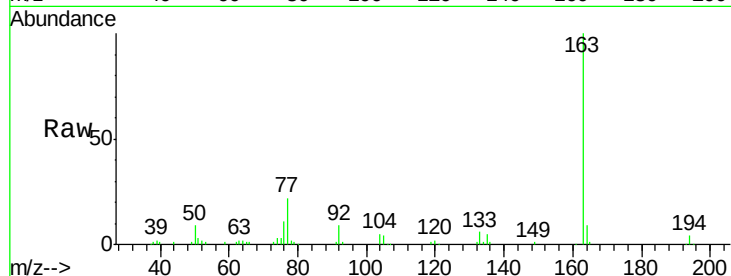
Tgt Ion:163 Resp: 112913

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

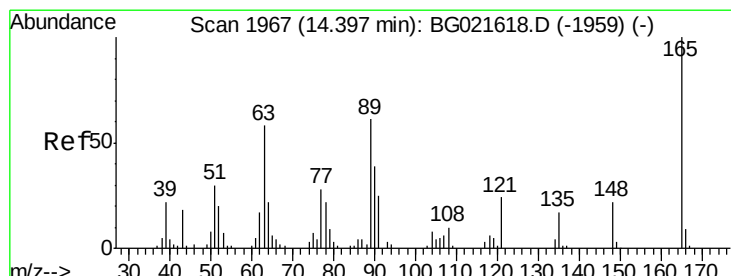
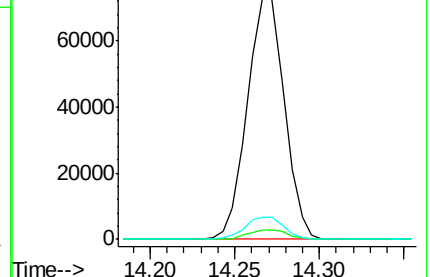
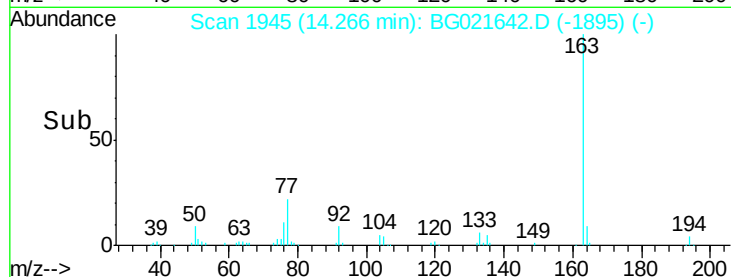
164 9.0 8.1 12.1



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: 18.06 ng

RT: 14.38 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

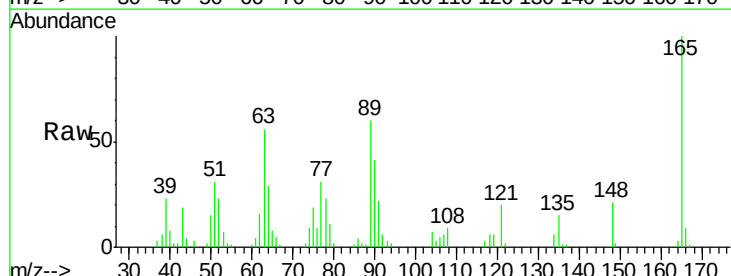
Tgt Ion:165 Resp: 23124

Ion Ratio Lower Upper

165 100

63 55.6 48.2 72.4

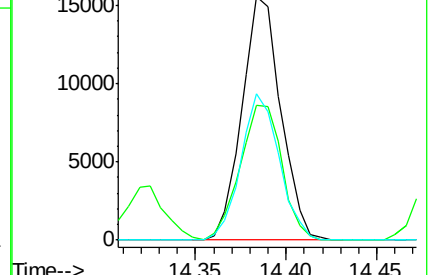
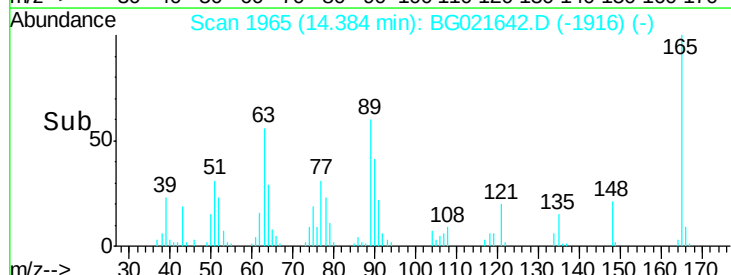
89 60.2 45.3 67.9

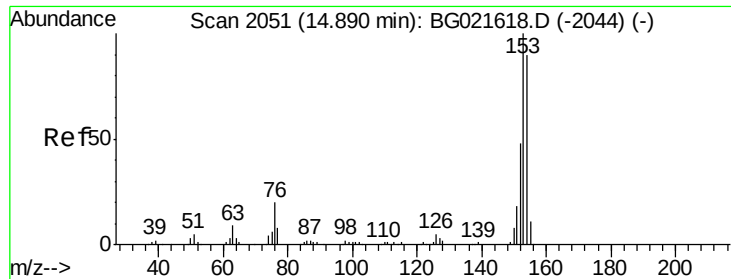


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 17.13 ng

RT: 14.89 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

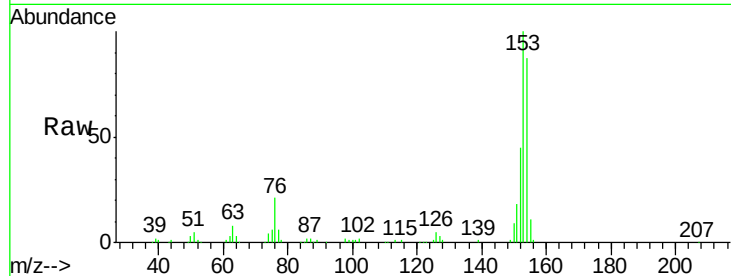
Tgt Ion:154 Resp: 87582

Ion Ratio Lower Upper

154 100

153 115.2 91.9 137.9

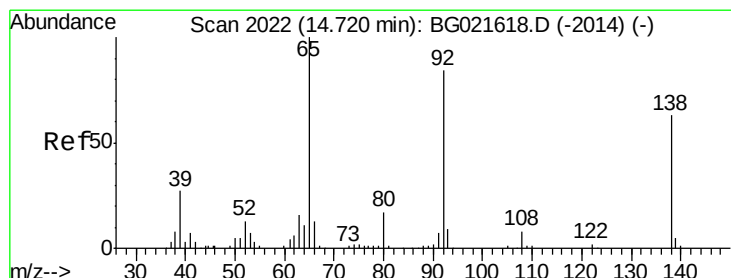
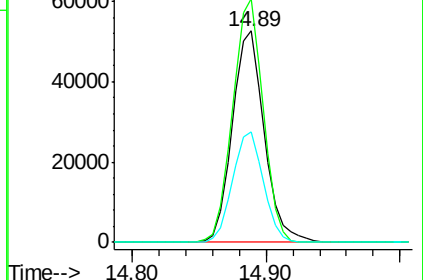
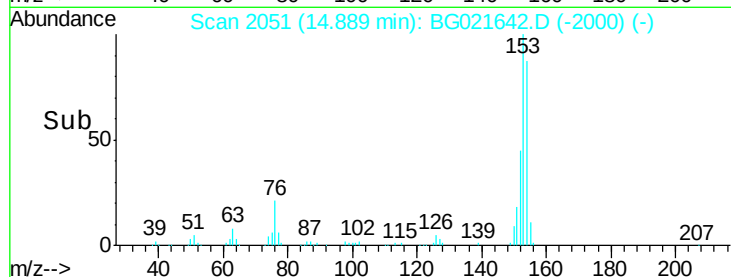
152 52.2 42.0 63.0



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: 14.46 ng

RT: 14.71 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

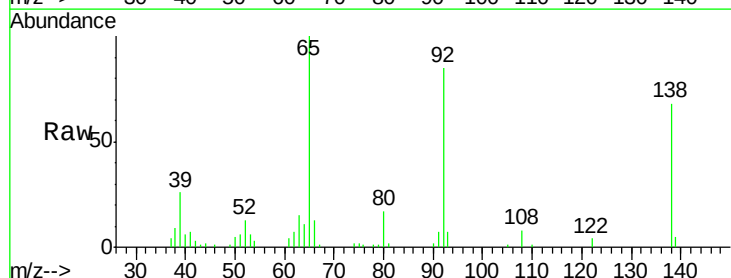
Tgt Ion:138 Resp: 20527

Ion Ratio Lower Upper

138 100

108 12.4 9.1 13.7

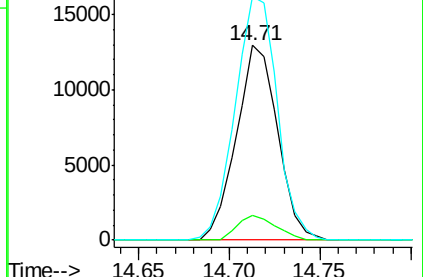
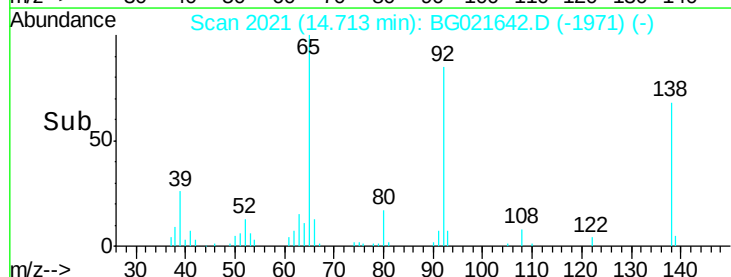
92 125.3 102.6 154.0

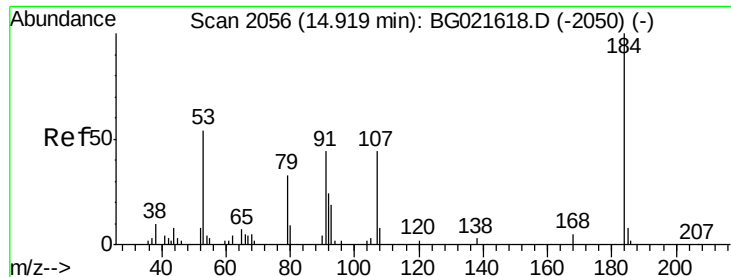


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

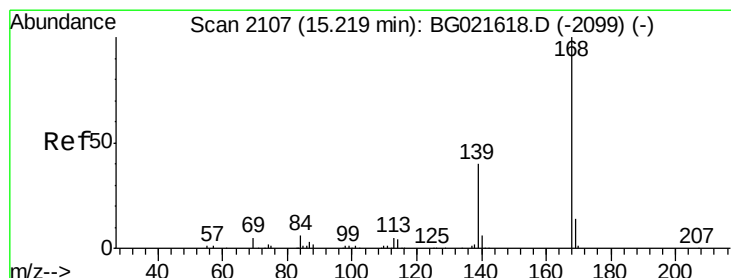
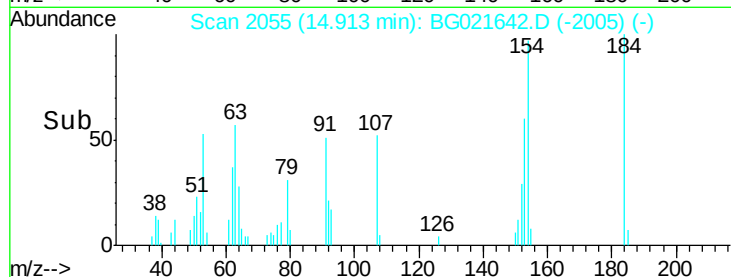
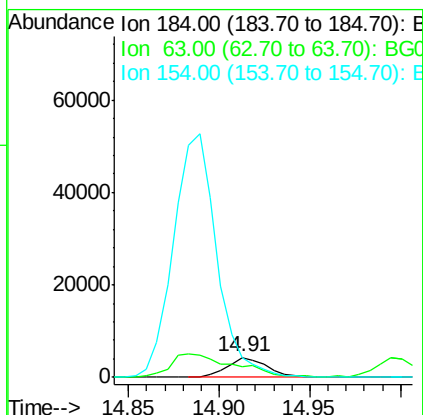
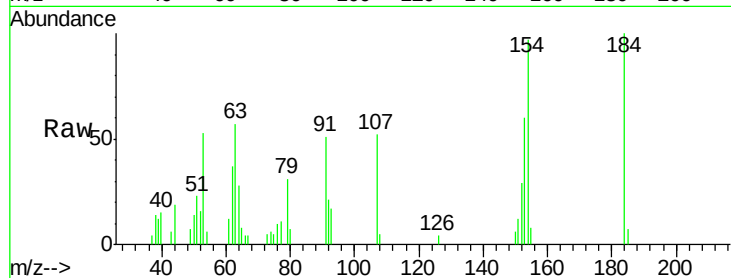




#53
2,4-Dinitrophenol
Concen: 19.42 ng
RT: 14.91 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

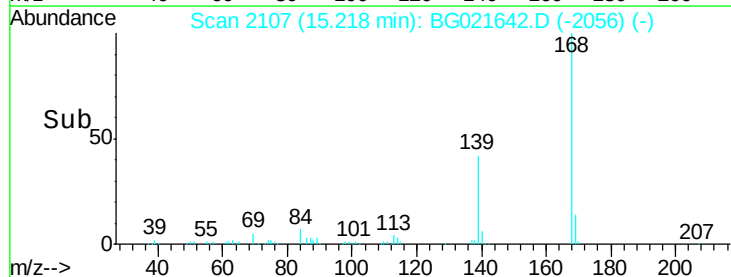
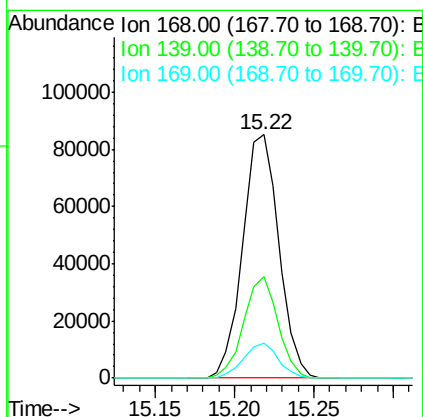
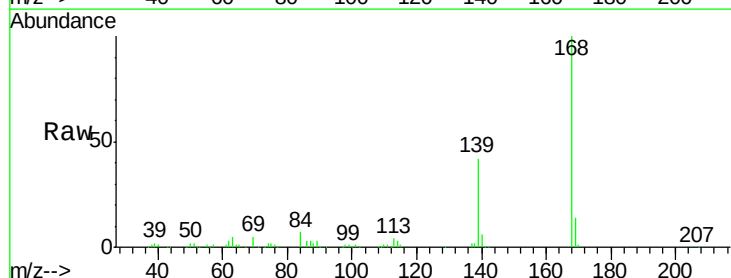
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

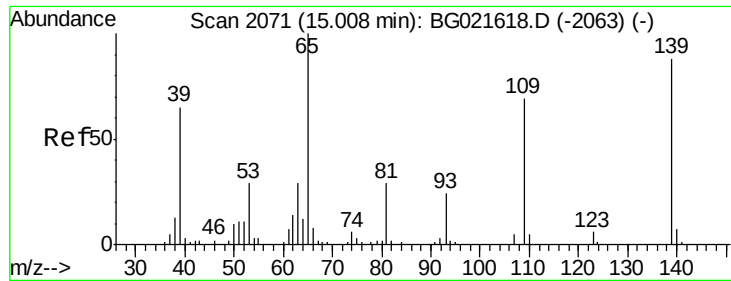
Tgt Ion:184 Resp: 6497
Ion Ratio Lower Upper
184 100
63 57.3 57.3 85.9
154 97.3 55.2 82.8#



#54
Dibenzofuran
Concen: 19.38 ng
RT: 15.22 min Scan# 2107
Delta R.T. -0.00 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Tgt Ion:168 Resp: 135258
Ion Ratio Lower Upper
168 100
139 41.9 31.1 46.7
169 14.2 11.0 16.6

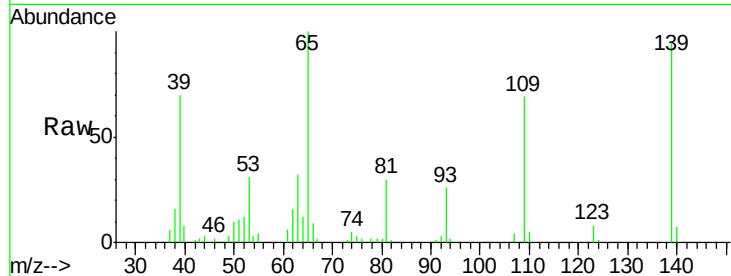




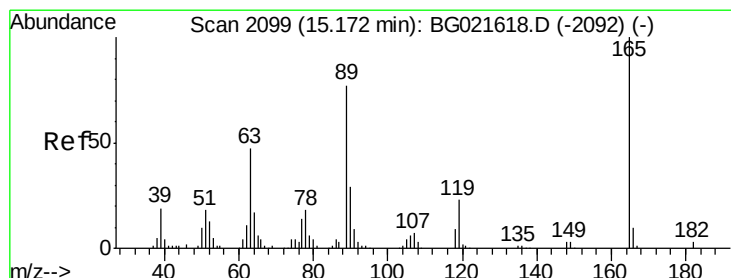
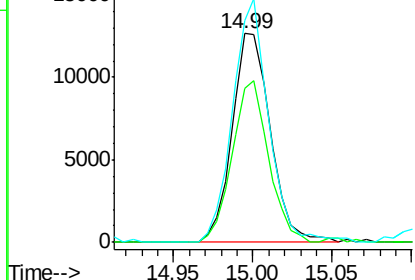
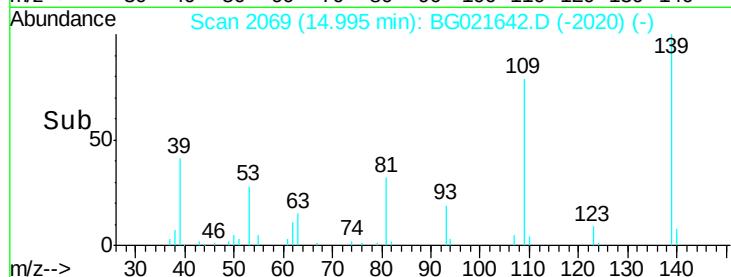
#55
4-Nitrophenol
Concen: 17.48 ng
RT: 14.99 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:139 Resp: 21243
Ion Ratio Lower Upper
139 100
109 73.9 49.2 89.2
65 106.3 83.2 123.2

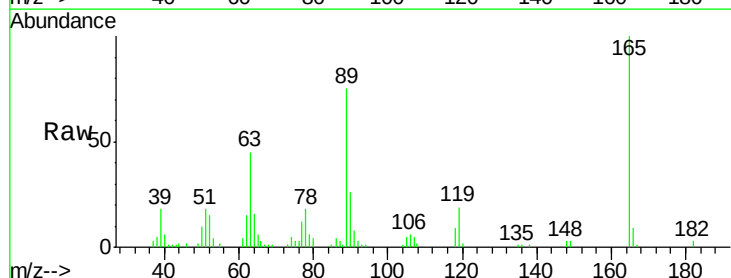


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

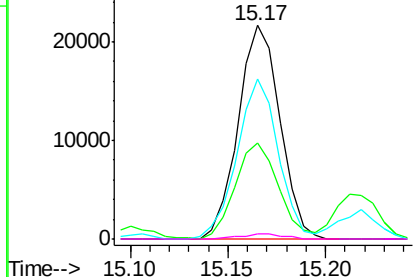
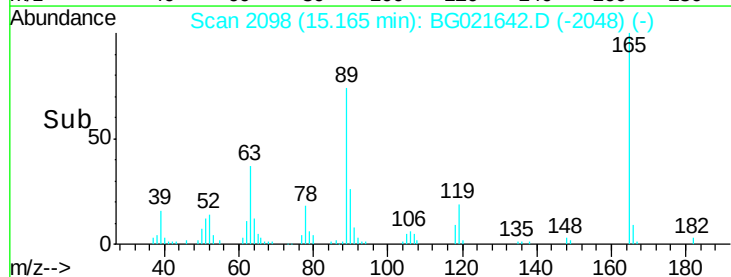


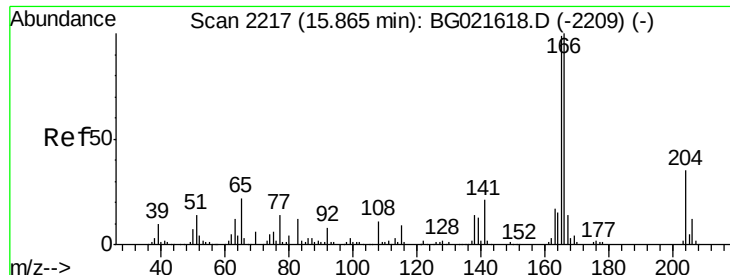
#56
2,4-Dinitrotoluene
Concen: 18.58 ng
RT: 15.17 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Tgt Ion:165 Resp: 32136
Ion Ratio Lower Upper
165 100
63 45.2 37.4 56.0
89 74.9 59.4 89.0
182 2.7 2.1 3.1



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 17.96 ng

RT: 15.86 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

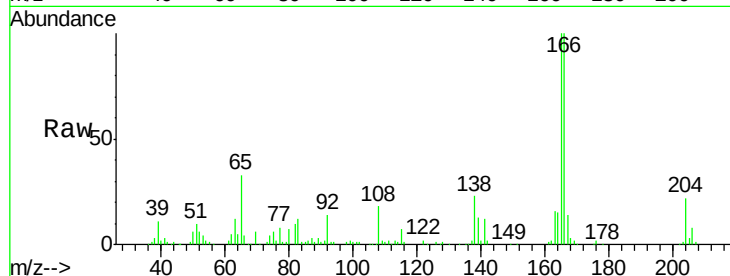
Tgt Ion:166 Resp: 111981

Ion Ratio Lower Upper

166 100

165 100.5 79.0 118.4

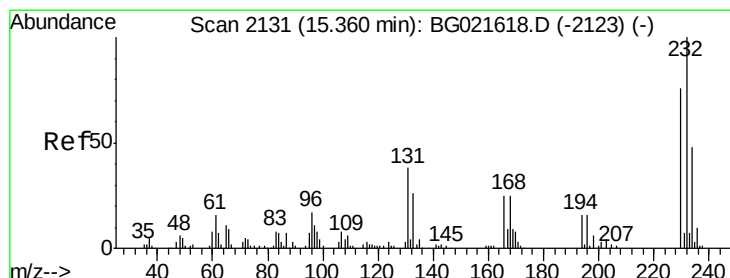
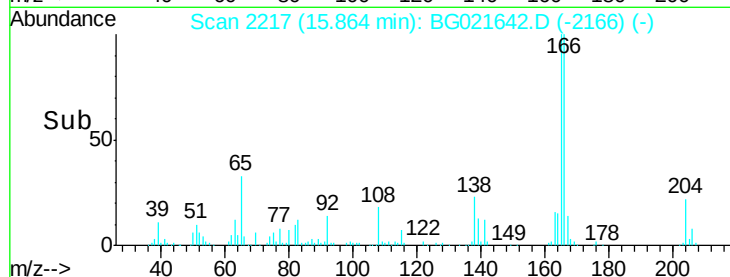
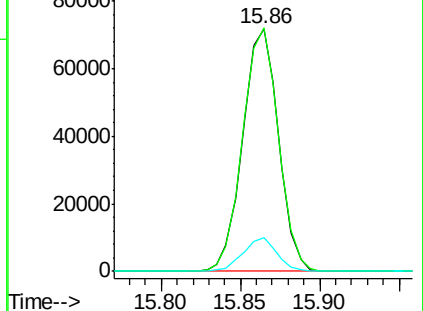
167 13.9 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 19.46 ng

RT: 15.44 min Scan# 2144

Delta R.T. -0.00 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

Tgt Ion:232 Resp: 26957

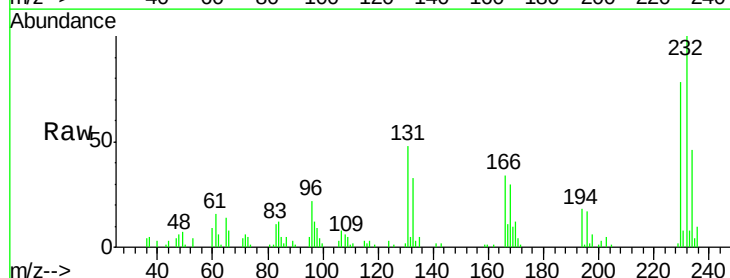
Ion Ratio Lower Upper

232 100

131 47.5 36.3 54.5

130 2.1 1.9 2.9

166 33.3 25.0 37.4

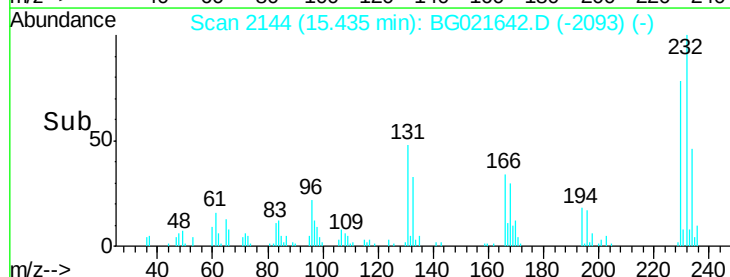
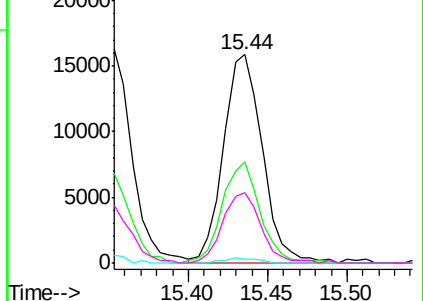


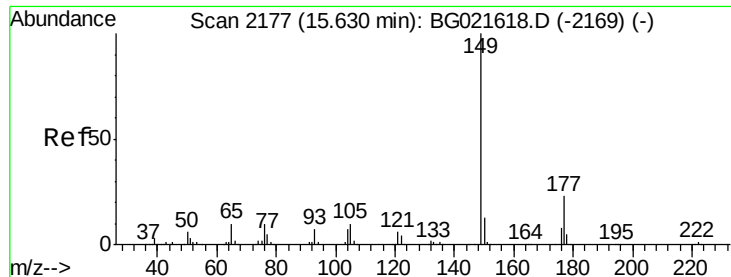
Abundance Ion 232.00 (231.70 to 232.70): E

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

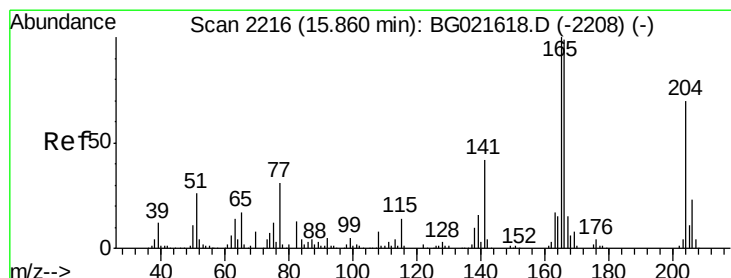
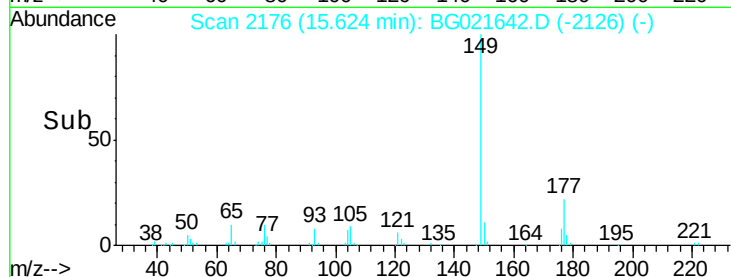
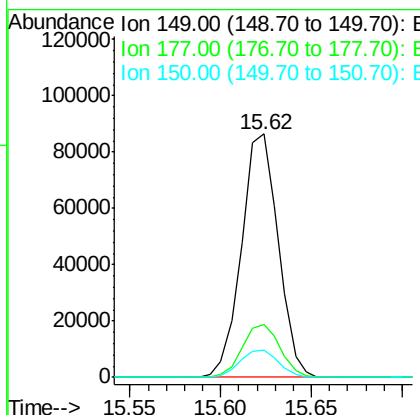
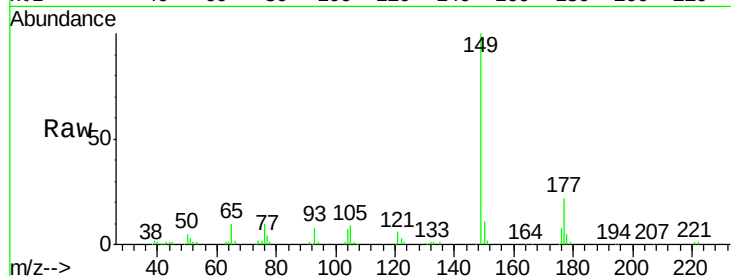




#59
Diethylphthalate
Concen: 17.35 ng
RT: 15.62 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

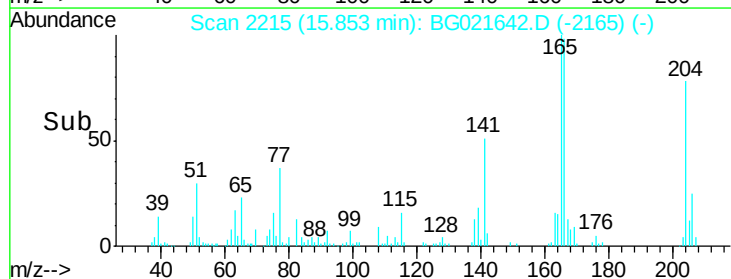
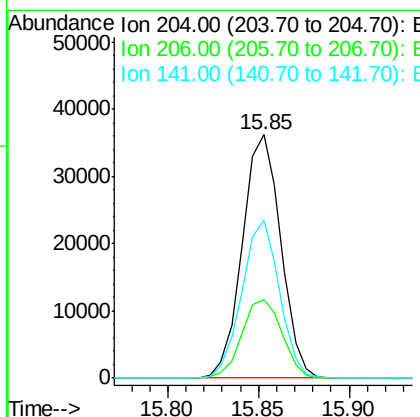
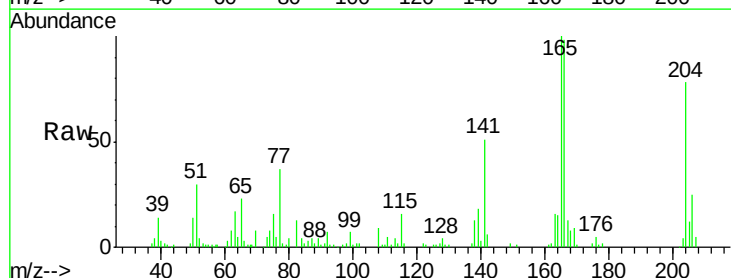
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

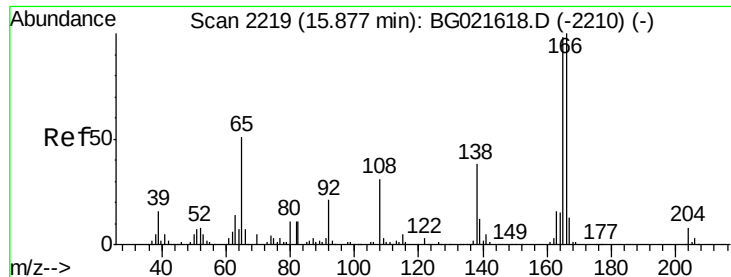
Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.3	25.9
150	11.4	9.7	14.5



#60
4-Chlorophenyl-phenylether
Concen: 17.34 ng
RT: 15.85 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.3	27.8	41.8
141	64.8	51.0	76.4

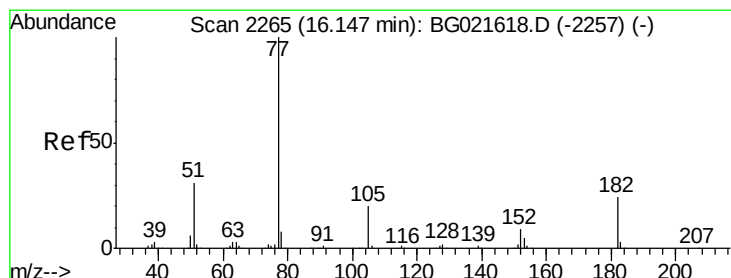
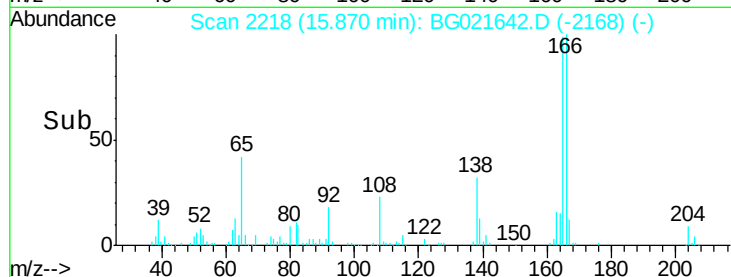
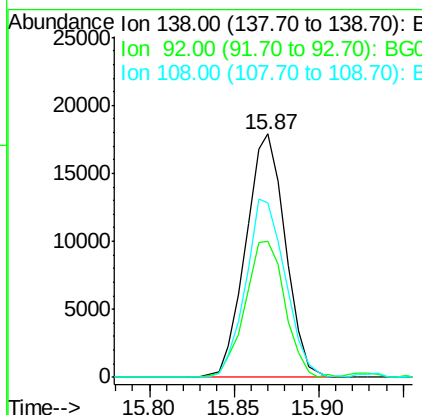
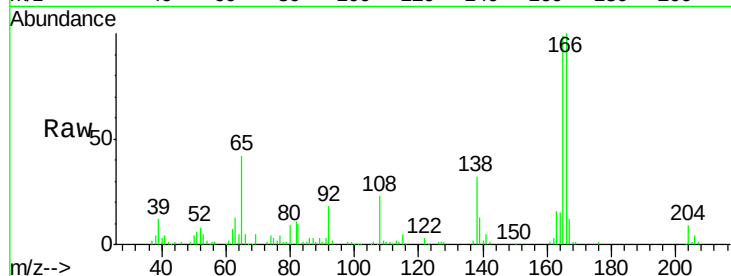




#61
4-Nitroaniline
Concen: 18.55 ng
RT: 15.87 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

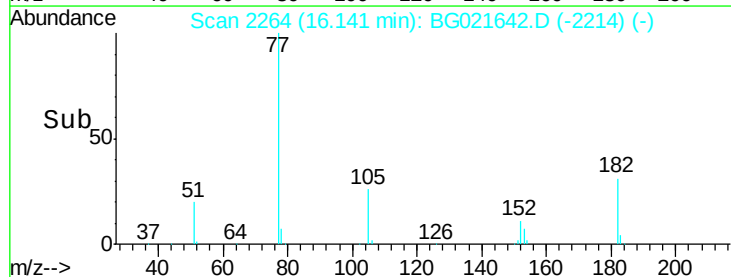
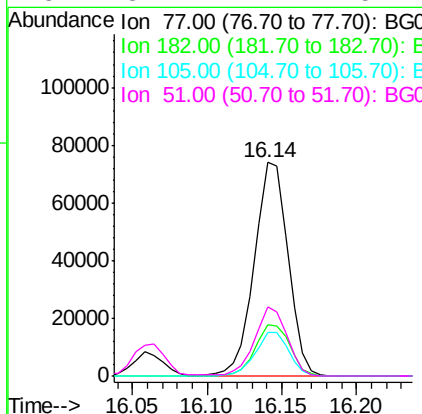
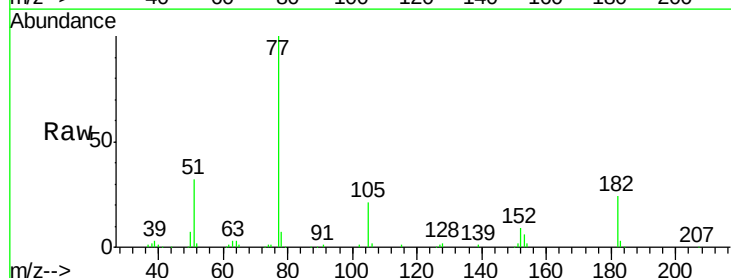
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

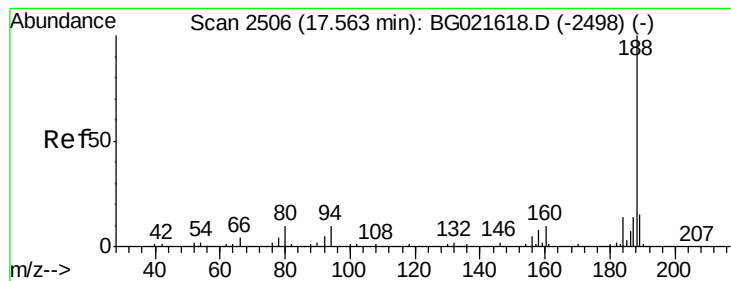
Tgt Ion:138 Resp: 28978
Ion Ratio Lower Upper
138 100
92 56.1 37.7 77.7
108 71.8 59.4 99.4



#62
Azobenzene
Concen: 19.24 ng
RT: 16.14 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Tgt Ion: 77 Resp: 115545
Ion Ratio Lower Upper
77 100
182 23.9 4.1 44.1
105 20.6 0.0 39.8
51 32.2 11.1 51.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

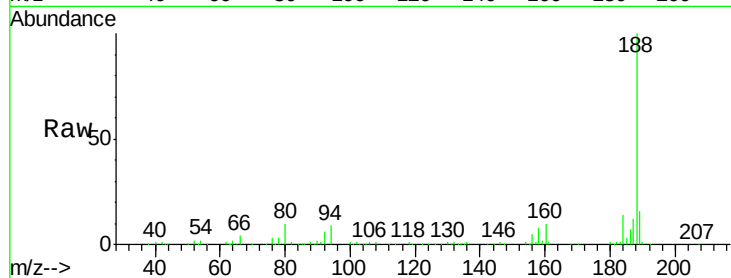
Tgt Ion:188 Resp: 187438

Ion Ratio Lower Upper

188 100

94 9.0 7.5 11.3

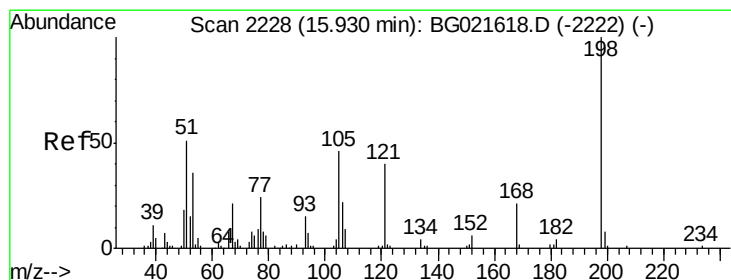
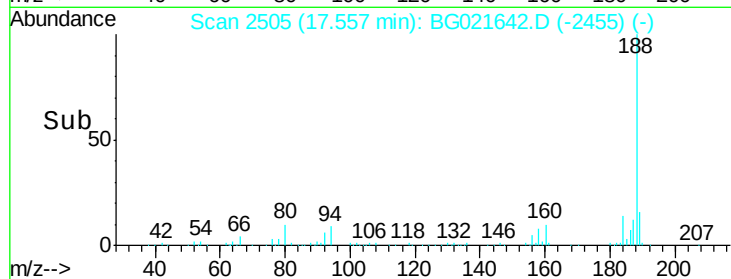
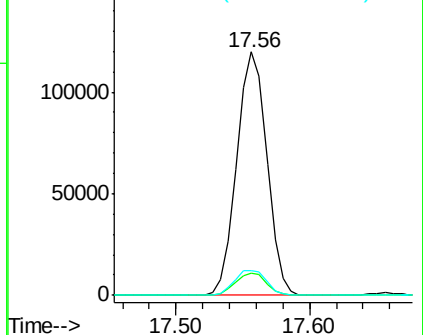
80 10.4 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

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: 17.30 ng

RT: 15.92 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

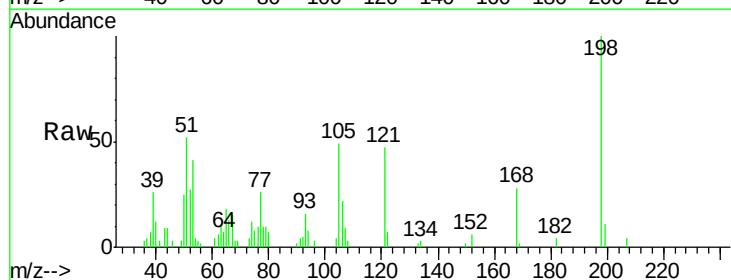
Tgt Ion:198 Resp: 10467

Ion Ratio Lower Upper

198 100

51 51.6 29.2 69.2

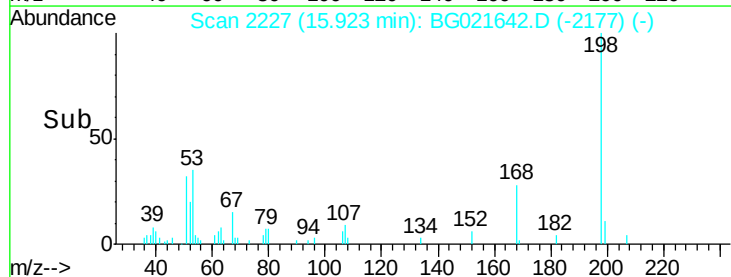
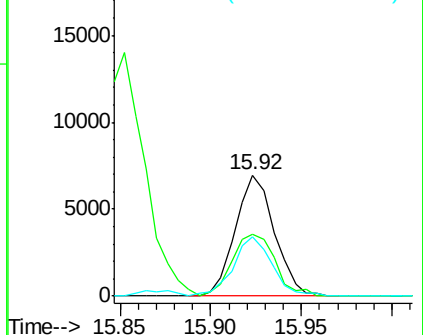
105 49.0 24.0 64.0

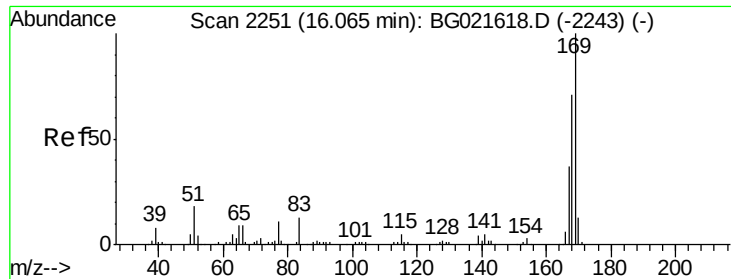


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

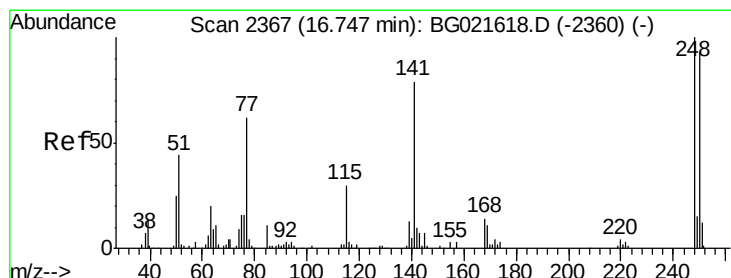
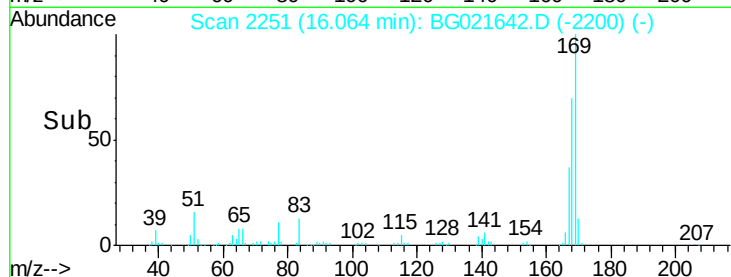
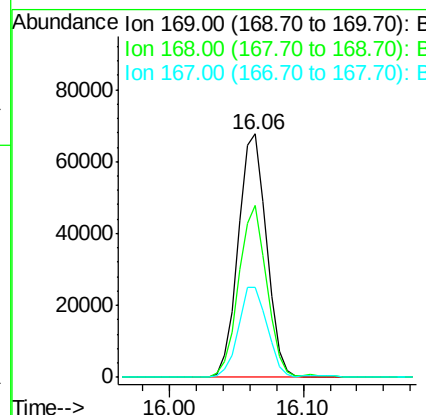
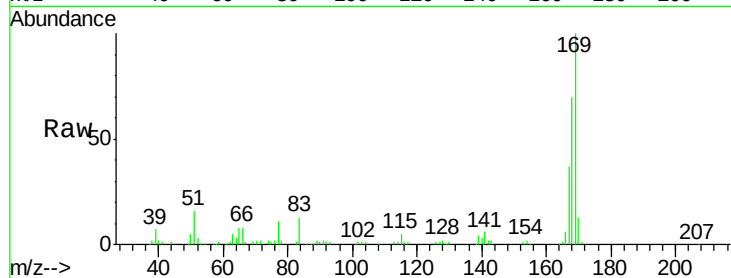




#65
 n-Nitrosodiphenylamine
 Concen: 17.81 ng
 RT: 16.06 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

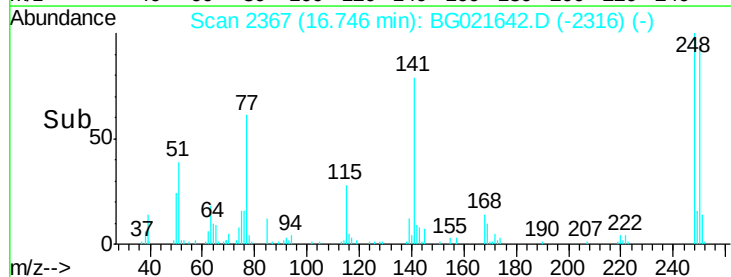
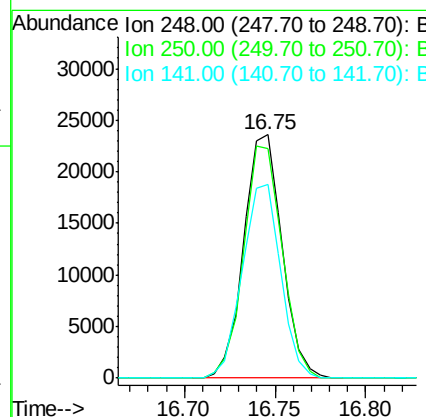
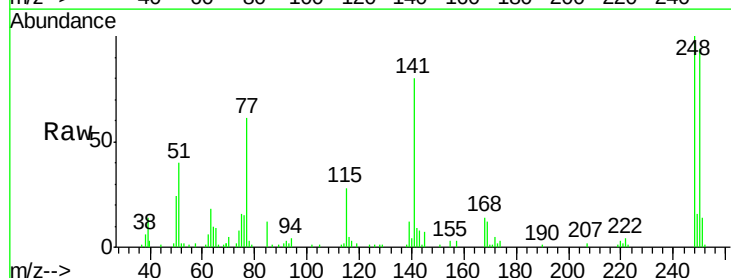
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

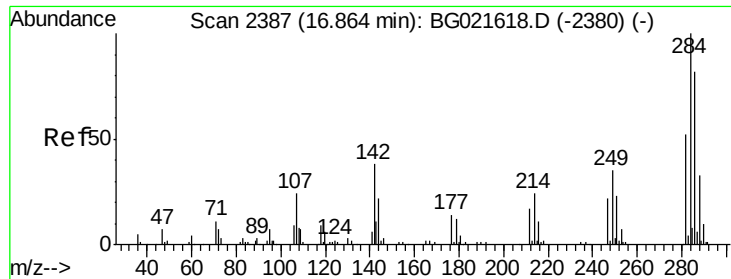
Tgt Ion:169 Resp: 100095
 Ion Ratio Lower Upper
 169 100
 168 70.4 59.6 89.4
 167 37.1 31.2 46.8



#66
 4-Bromophenyl-phenylether
 Concen: 17.31 ng
 RT: 16.75 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

Tgt Ion:248 Resp: 34768
 Ion Ratio Lower Upper
 248 100
 250 94.4 76.6 114.8
 141 79.8 63.8 95.6





#67

Hexachlorobenzene

Concen: 16.90 ng

RT: 16.86 min Scan# 2387

Delta R.T. -0.00 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

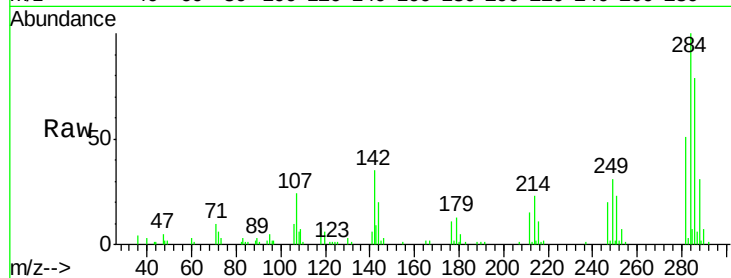
Tgt Ion:284 Resp: 35829

Ion Ratio Lower Upper

284 100

142 34.7 31.8 47.6

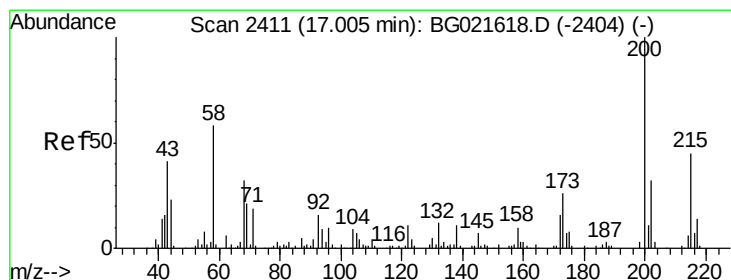
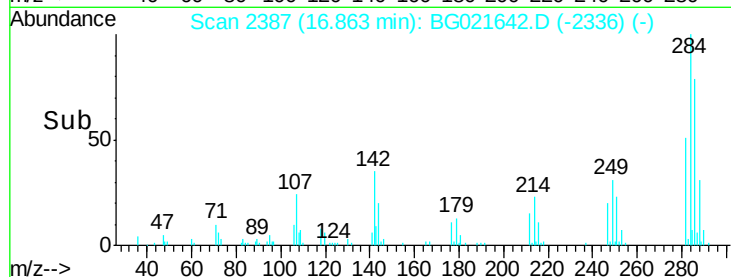
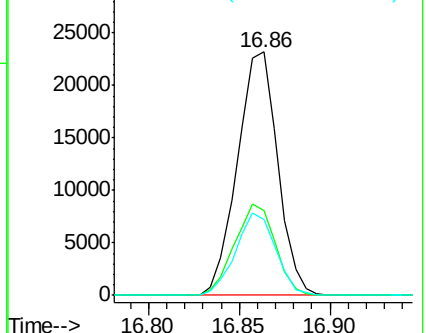
249 31.3 27.3 40.9



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 18.03 ng

RT: 17.00 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

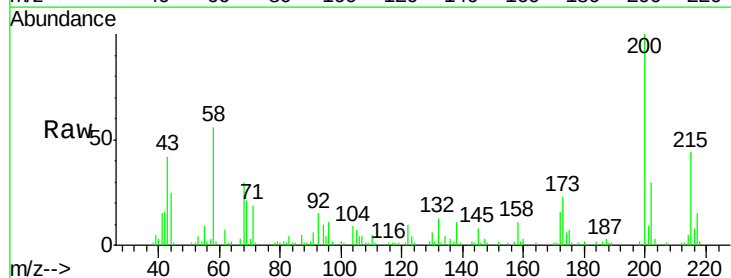
Tgt Ion:200 Resp: 40021

Ion Ratio Lower Upper

200 100

173 23.4 5.1 45.1

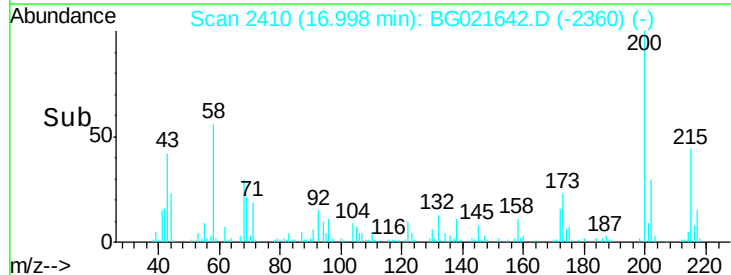
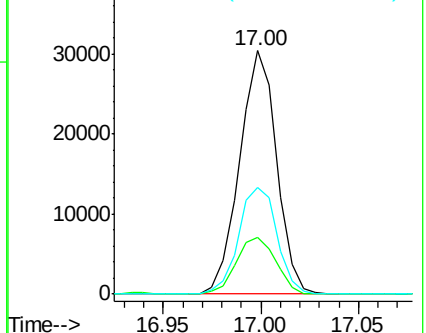
215 43.9 28.0 68.0

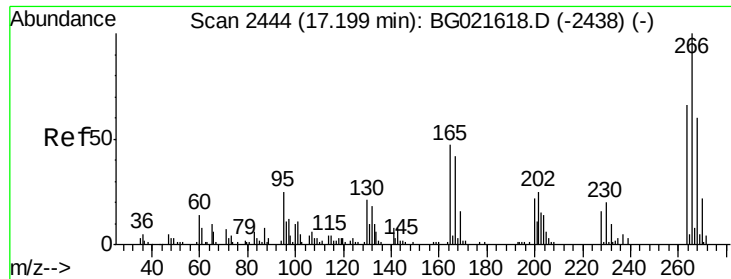


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

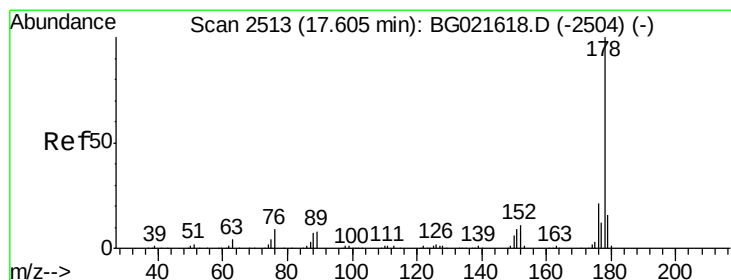
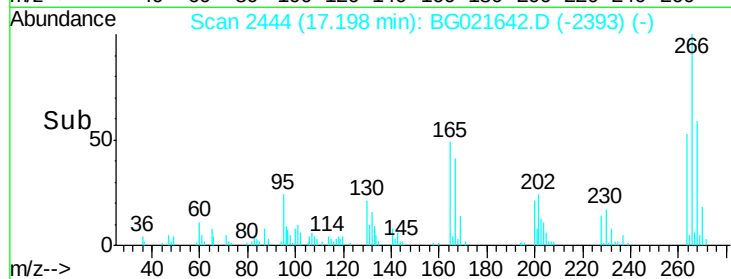
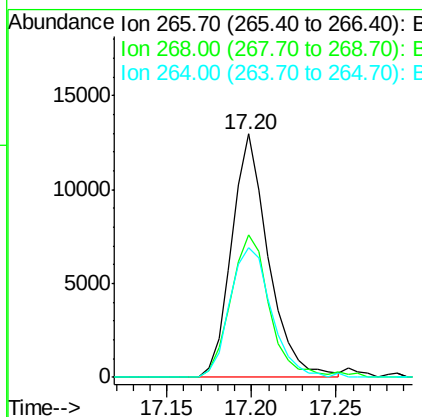
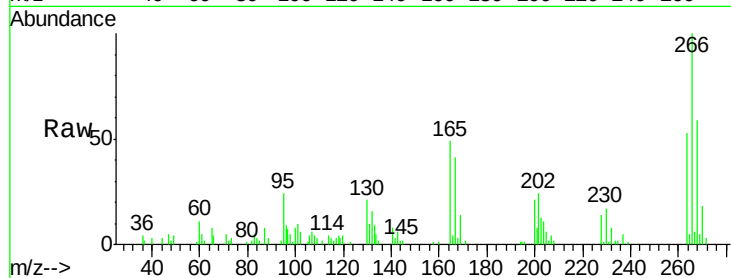




#69
 Pentachlorophenol
 Concen: 16.18 ng
 RT: 17.20 min Scan# 2444
 Delta R.T. -0.00 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

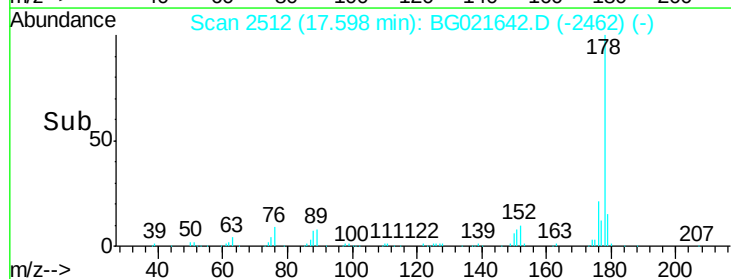
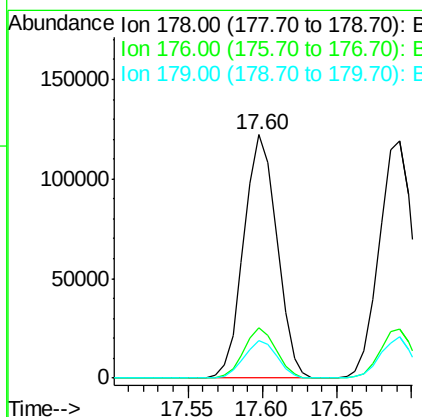
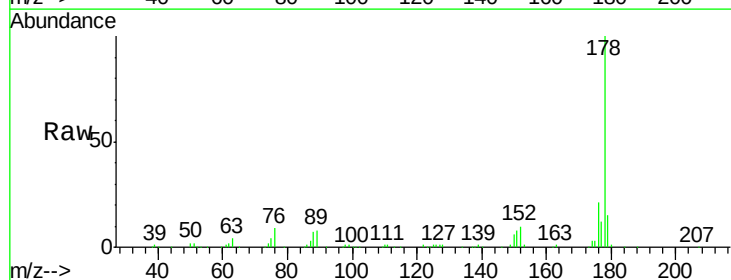
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

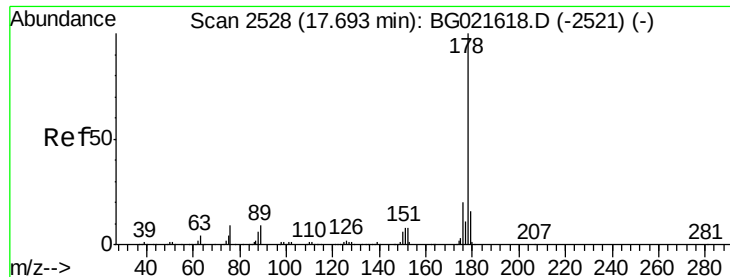
Tgt Ion: 266 Resp: 19583
 Ion Ratio Lower Upper
 266 100
 268 63.3 54.5 81.7
 264 53.1 53.8 80.6#



#70
 Phenanthrene
 Concen: 18.22 ng
 RT: 17.60 min Scan# 2512
 Delta R.T. -0.01 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

Tgt Ion: 178 Resp: 188196
 Ion Ratio Lower Upper
 178 100
 176 20.8 16.2 24.4
 179 15.4 12.0 18.0

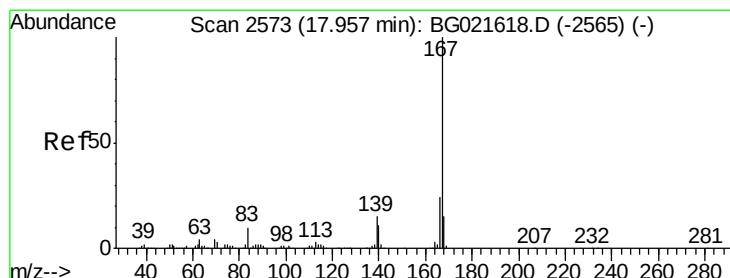
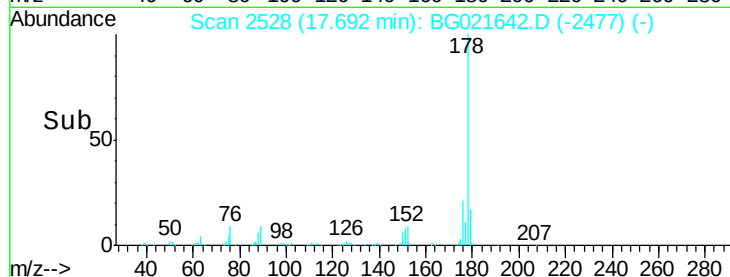
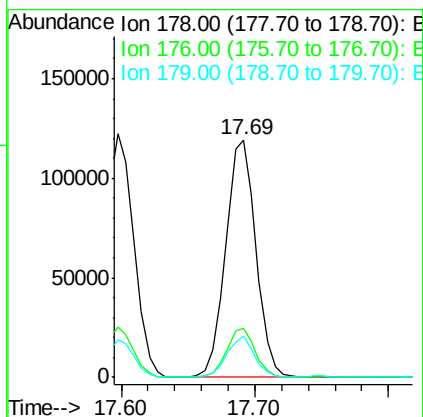
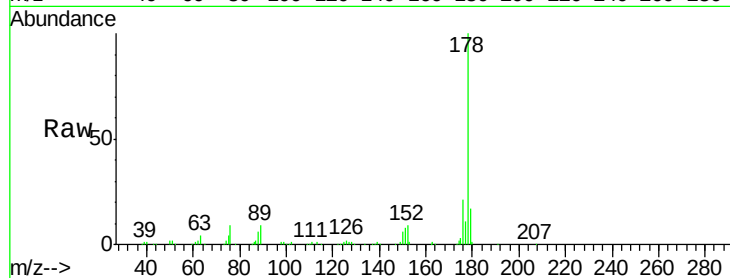




#71
 Anthracene
 Concen: 17.99 ng
 RT: 17.69 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

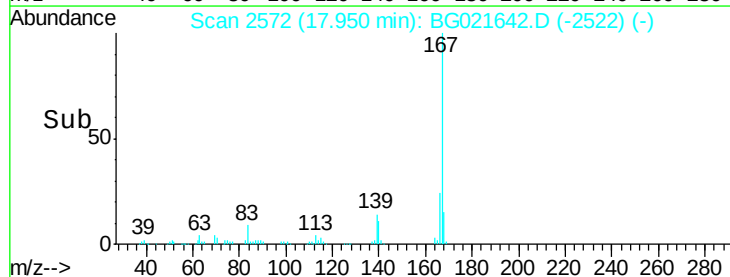
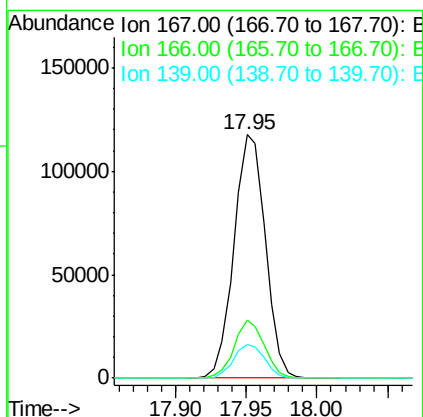
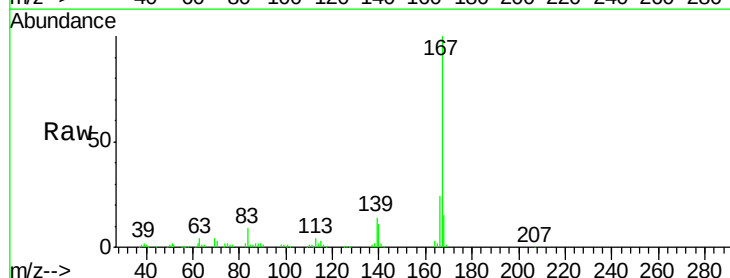
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

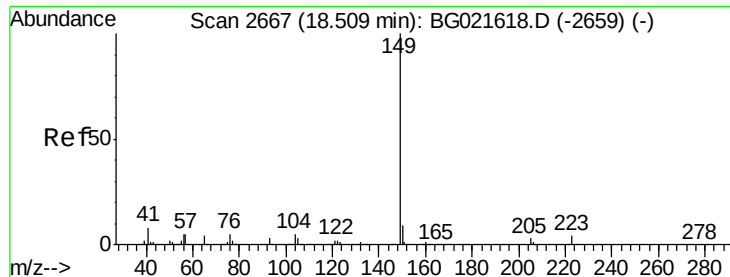
Tgt Ion:178 Resp: 188703
 Ion Ratio Lower Upper
 178 100
 176 20.6 15.0 22.4
 179 17.2 12.2 18.4



#72
 Carbazole
 Concen: 18.67 ng
 RT: 17.95 min Scan# 2572
 Delta R.T. -0.01 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

Tgt Ion:167 Resp: 182724
 Ion Ratio Lower Upper
 167 100
 166 23.8 18.6 27.8
 139 13.6 10.6 15.8





#73

Di-n-butylphthalate

Concen: 17.92 ng

RT: 18.50 min Scan# 2666

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

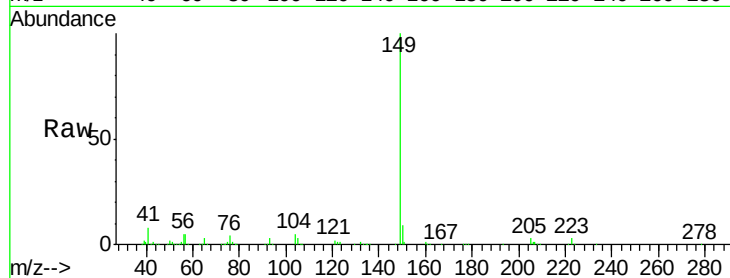
Tgt Ion:149 Resp: 223102

Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

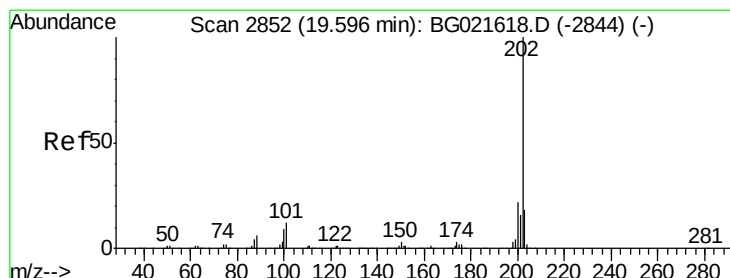
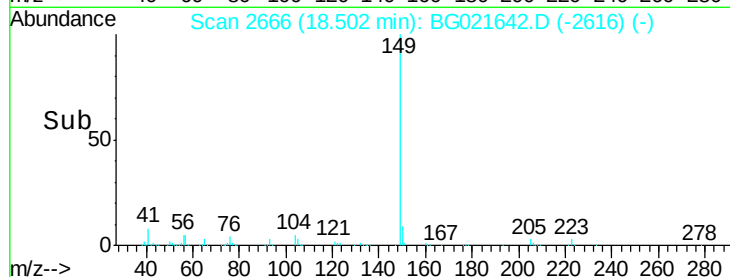
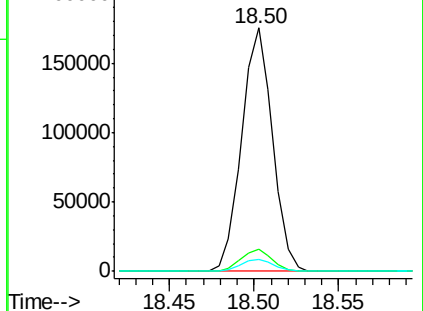
104 5.0 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 18.56 ng

RT: 19.59 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG021642.D

Acq: 14 Apr 2016 6:16

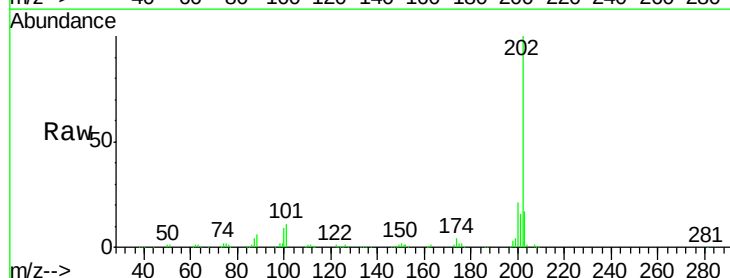
Tgt Ion:202 Resp: 228927

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.0

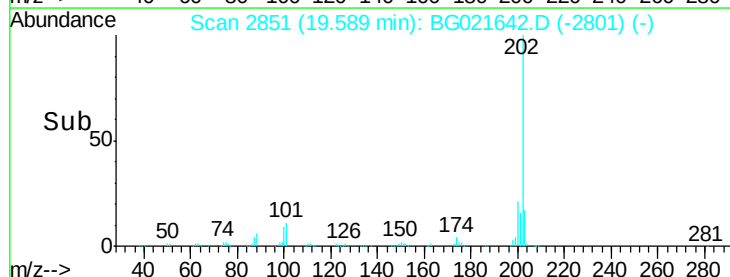
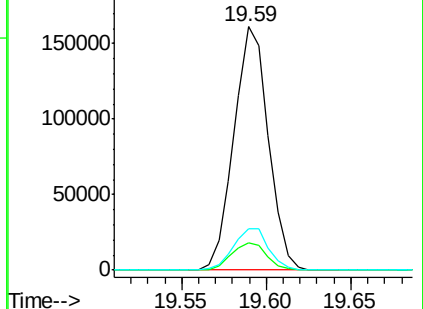
203 17.0 0.0 37.9

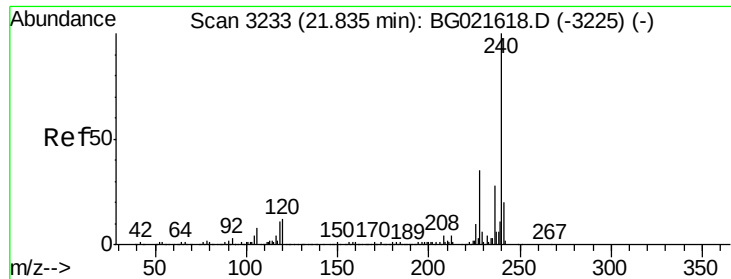


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

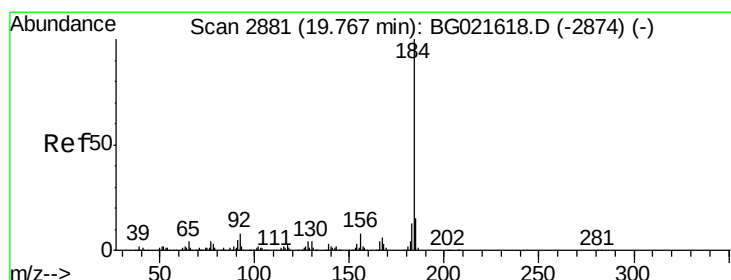
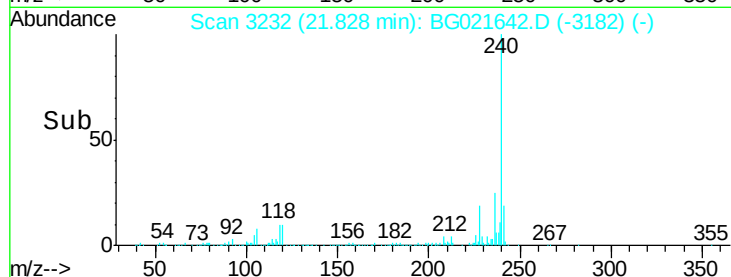
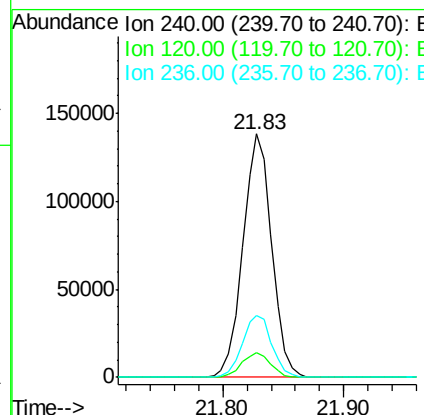
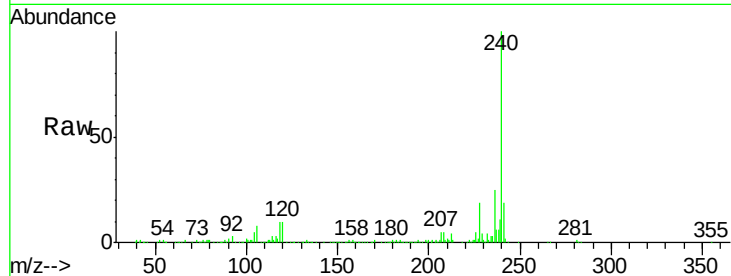




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3232
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

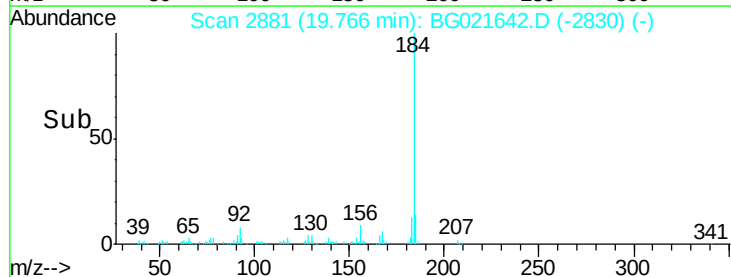
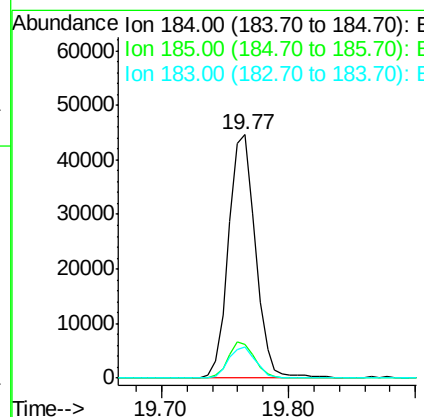
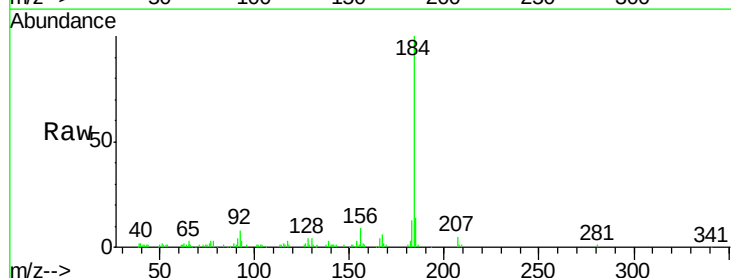
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

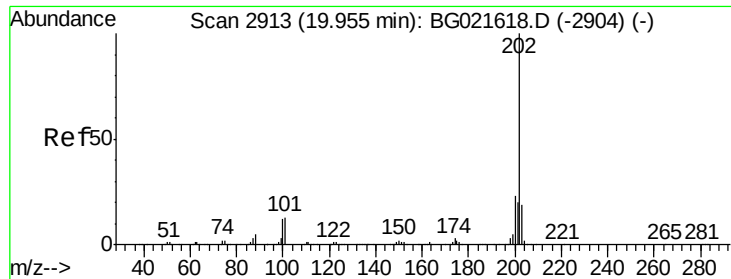
Tgt Ion:240 Resp: 228609
Ion Ratio Lower Upper
240 100
120 10.4 8.4 12.6
236 25.5 19.6 29.4



#76
Benzidine
Concen: 9.22 ng
RT: 19.77 min Scan# 2881
Delta R.T. -0.00 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Tgt Ion:184 Resp: 65616
Ion Ratio Lower Upper
184 100
185 13.9 11.5 17.3
183 12.7 10.2 15.4

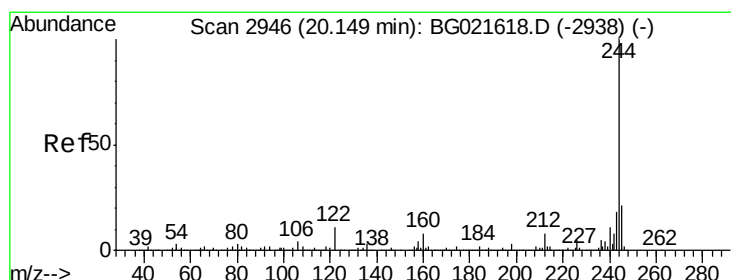
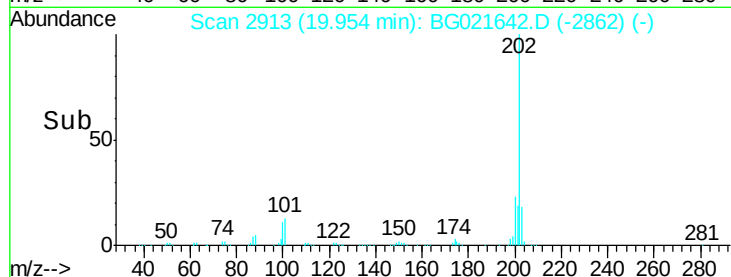
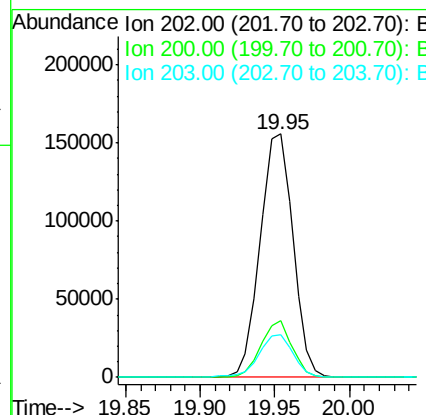
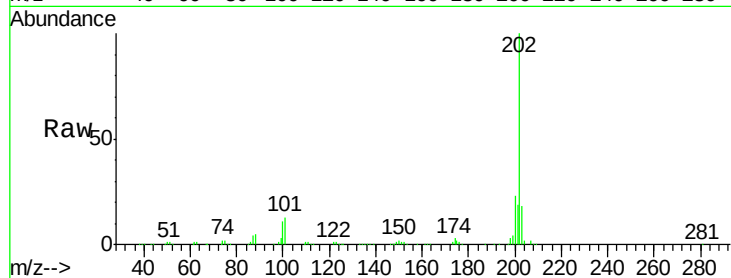




#77
 Pyrene
 Concen: 17.98 ng
 RT: 19.95 min Scan# 2913
 Delta R.T. -0.00 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

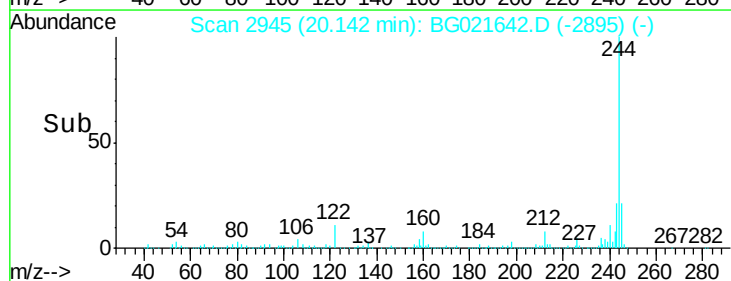
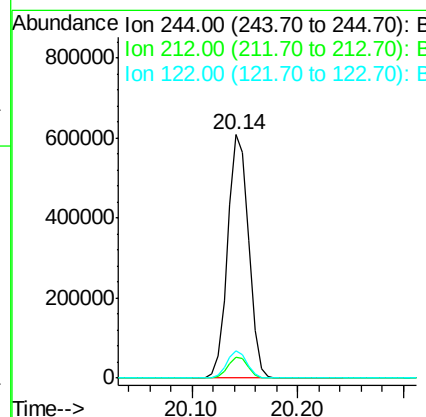
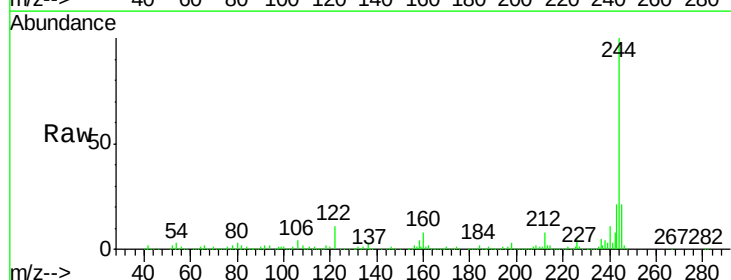
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

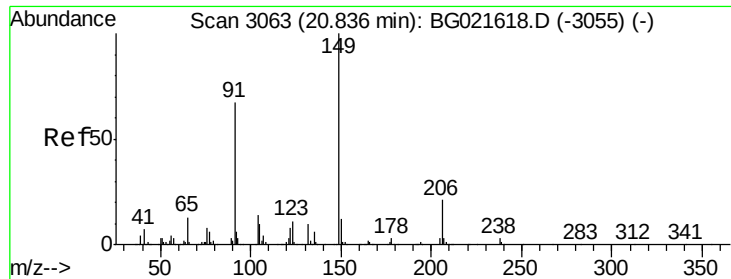
Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.2	18.2	27.2
203	17.6	15.0	22.4



#78
 Terphenyl-d14
 Concen: 90.85 ng
 RT: 20.14 min Scan# 2945
 Delta R.T. -0.01 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.5	9.7
122	11.3	8.6	12.8

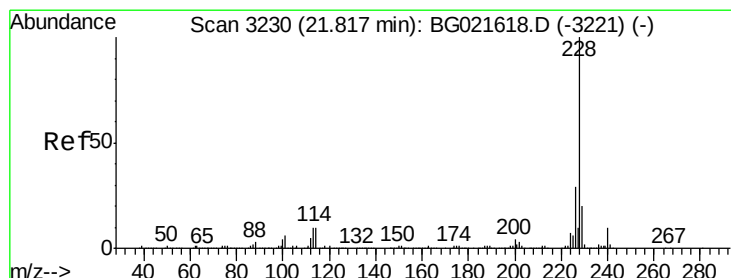
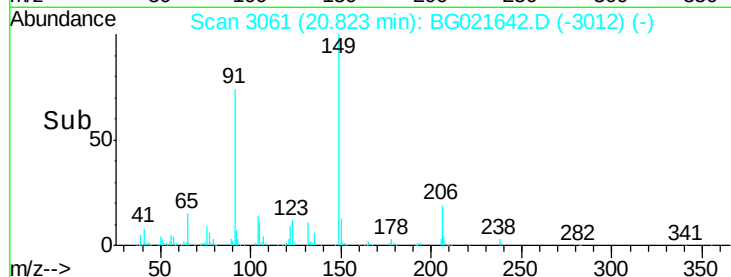
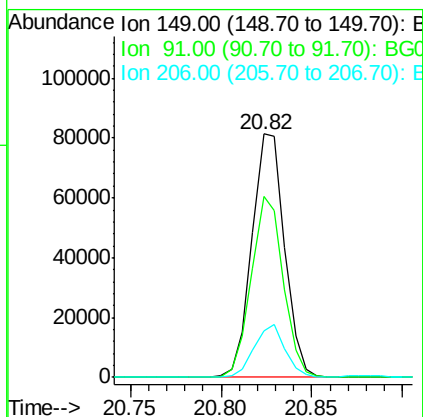
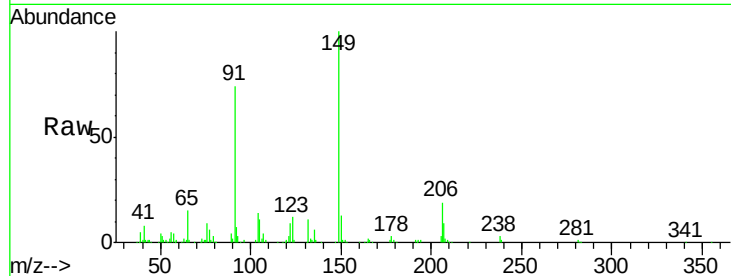




#79
Butylbenzylphthalate
Concen: 16.71 ng
RT: 20.82 min Scan# 3061
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

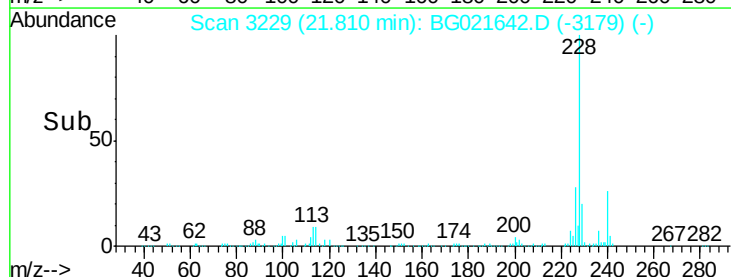
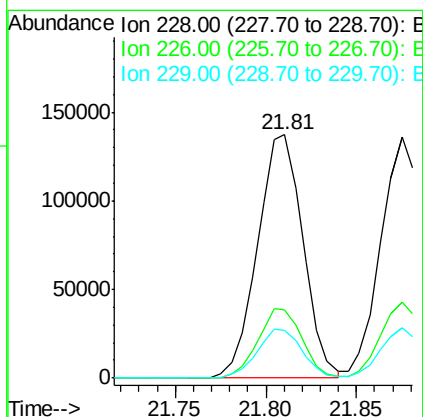
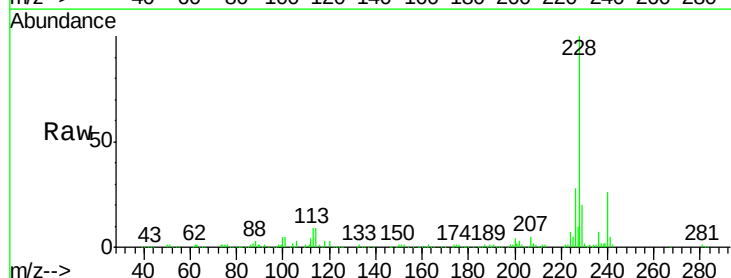
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

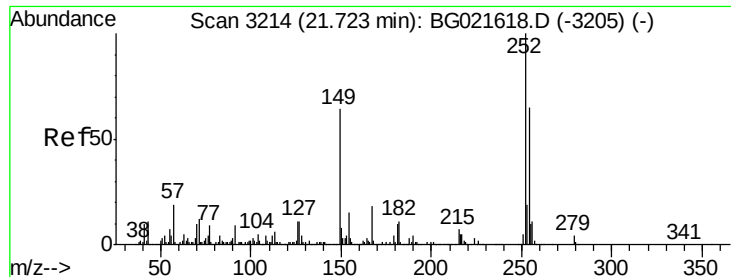
Tgt Ion:149 Resp: 102272
Ion Ratio Lower Upper
149 100
91 74.4 57.8 86.8
206 19.2 17.0 25.4



#80
Benzo(a)anthracene
Concen: 18.16 ng
RT: 21.81 min Scan# 3229
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Tgt Ion:228 Resp: 238922
Ion Ratio Lower Upper
228 100
226 28.2 22.6 34.0
229 19.8 16.1 24.1

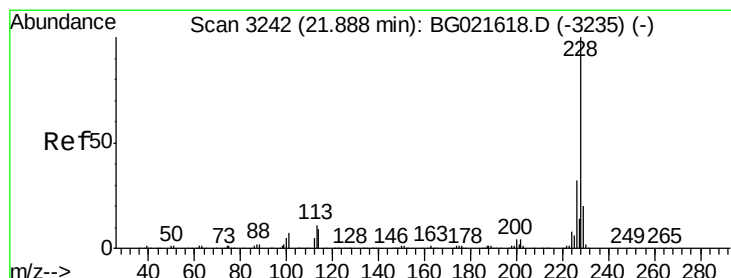
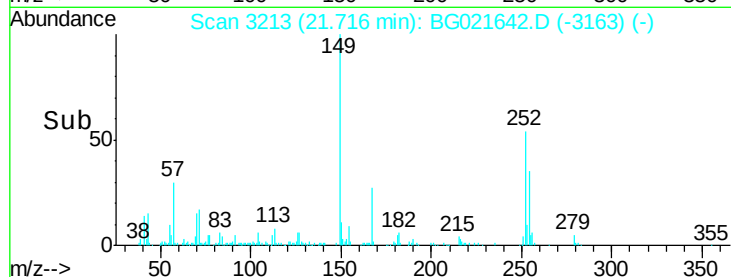
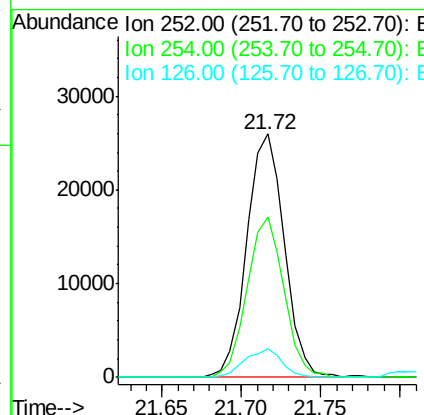
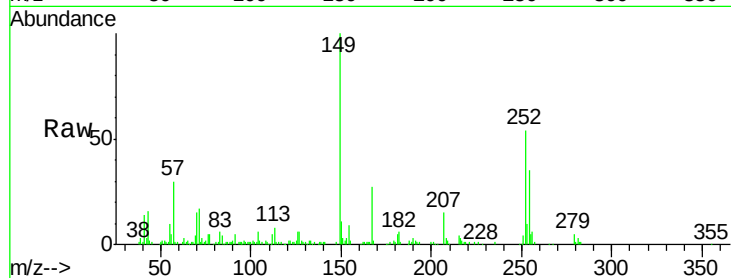




#81
 3,3'-Dichlorobenzidine
 Concen: 4.10 ng
 RT: 21.72 min Scan# 3213
 Delta R.T. -0.01 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

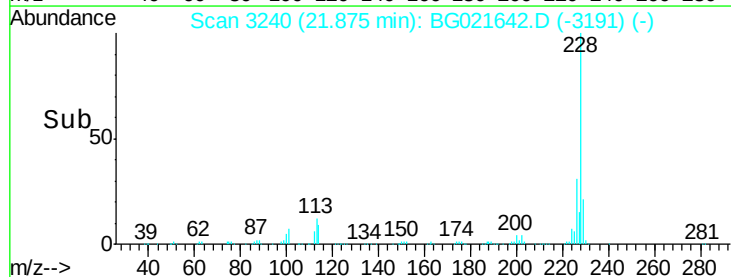
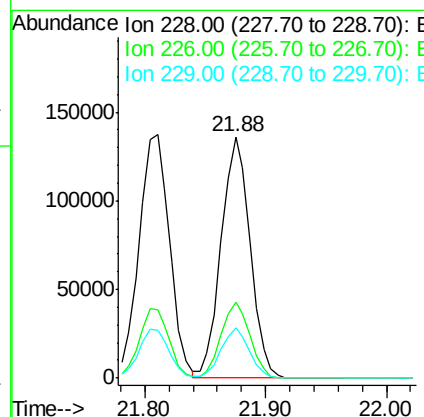
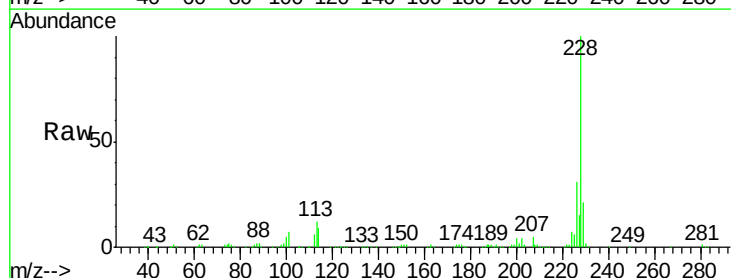
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

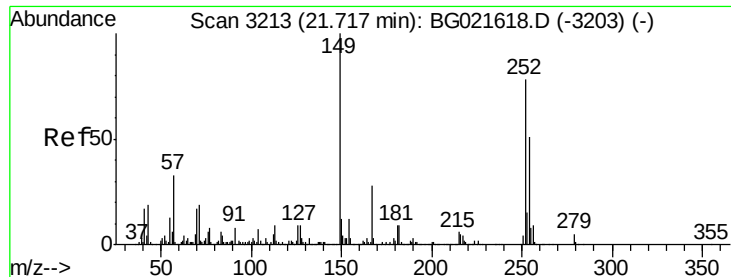
Tgt Ion: 252 Resp: 42649
 Ion Ratio Lower Upper
 252 100
 254 66.1 51.8 77.6
 126 11.7 8.8 13.2



#82
 Chrysene
 Concen: 17.83 ng
 RT: 21.88 min Scan# 3240
 Delta R.T. -0.01 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

Tgt Ion: 228 Resp: 225331
 Ion Ratio Lower Upper
 228 100
 226 31.4 25.4 38.0
 229 20.8 15.9 23.9

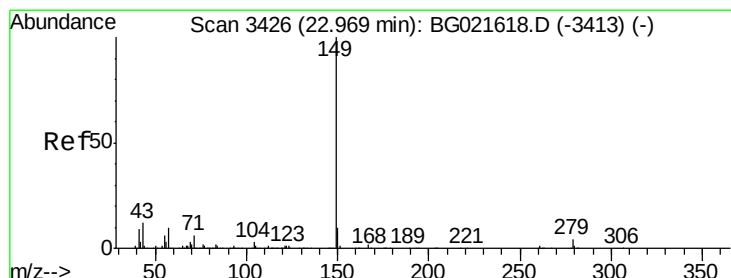
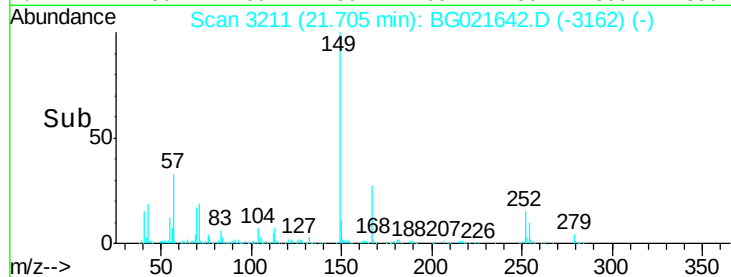
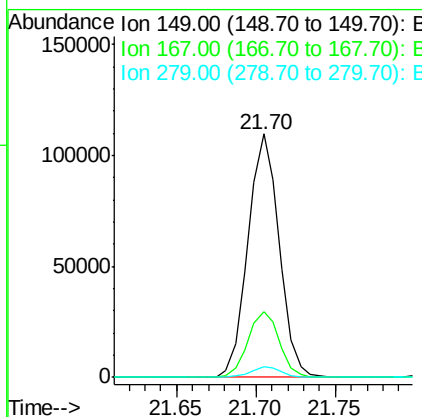
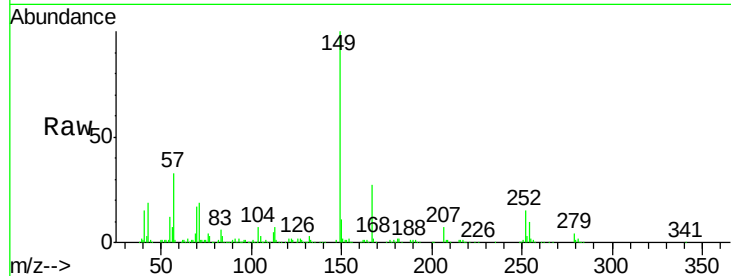




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 16.75 ng
 RT: 21.70 min Scan# 3211
 Delta R.T. -0.01 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

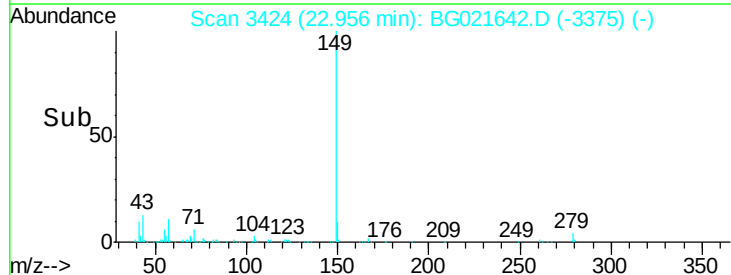
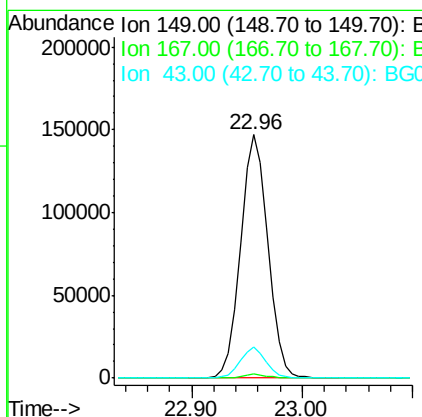
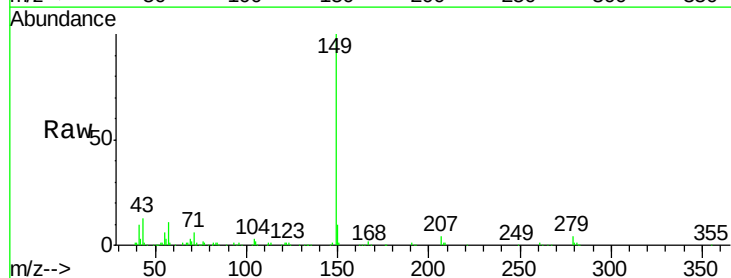
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

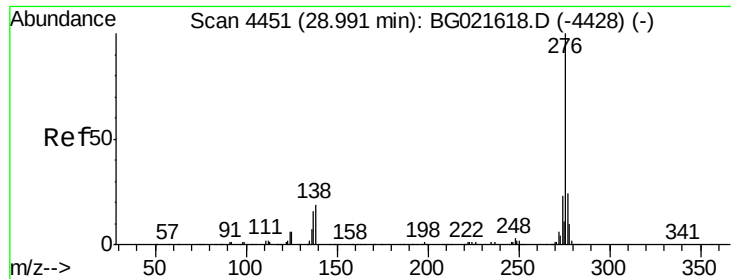
Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.4	33.6
279	4.3	3.2	4.8



#84
 Di-n-octyl phthalate
 Concen: 17.01 ng
 RT: 22.96 min Scan# 3424
 Delta R.T. -0.01 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.1	9.8	14.6

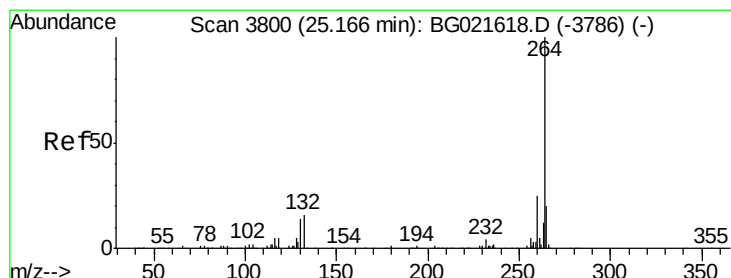
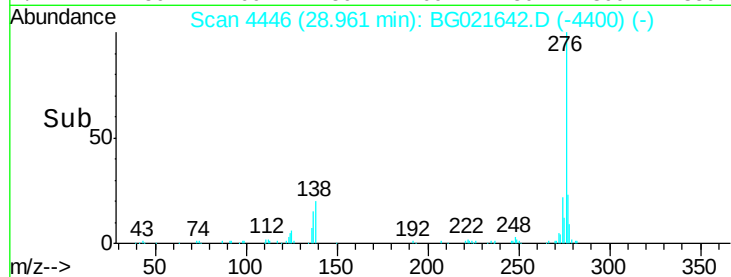
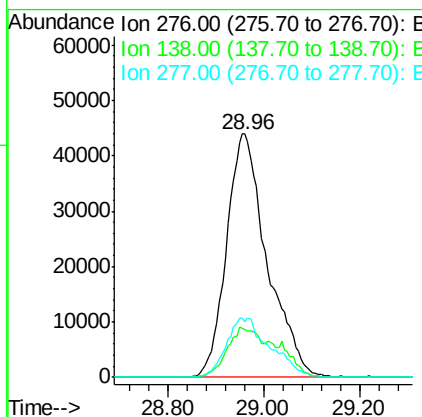
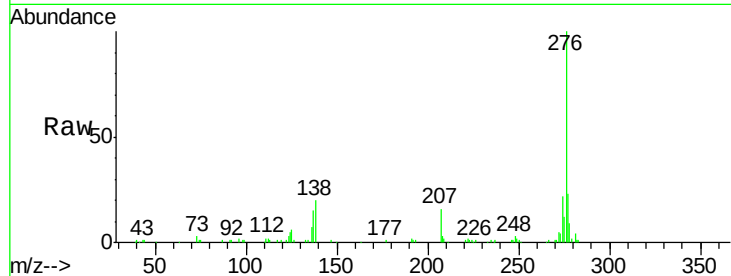




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.19 ng
 RT: 28.96 min Scan# 4446
 Delta R.T. -0.03 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

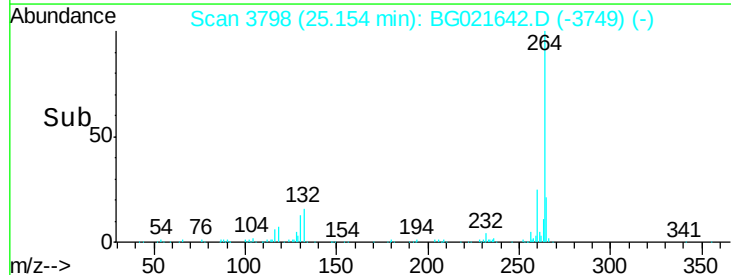
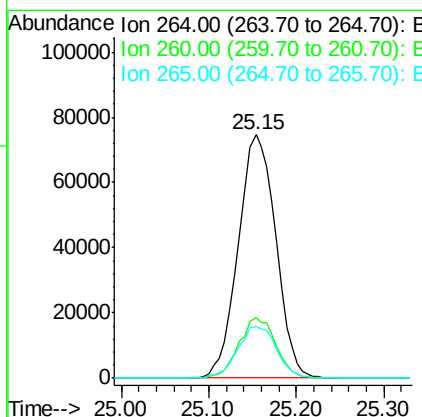
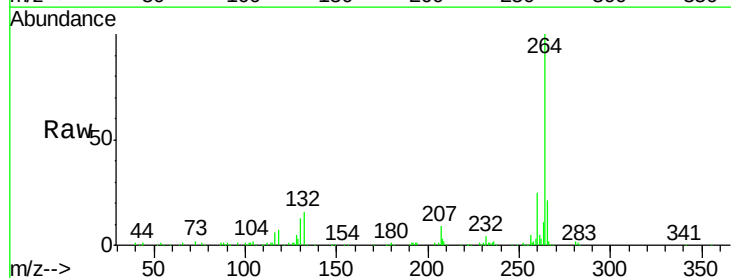
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

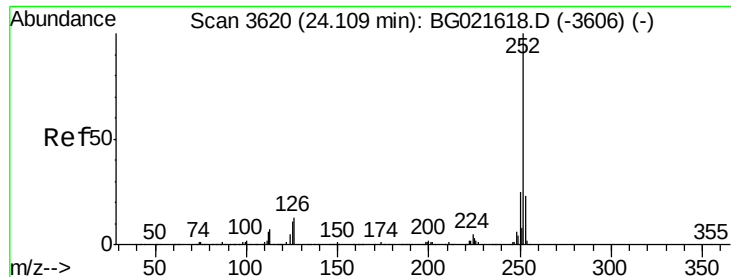
Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.7	14.0	21.0
277	26.2	20.6	30.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.15 min Scan# 3798
 Delta R.T. -0.01 min
 Lab File: BG021642.D
 Acq: 14 Apr 2016 6:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.2	30.4
265	21.0	17.8	26.8

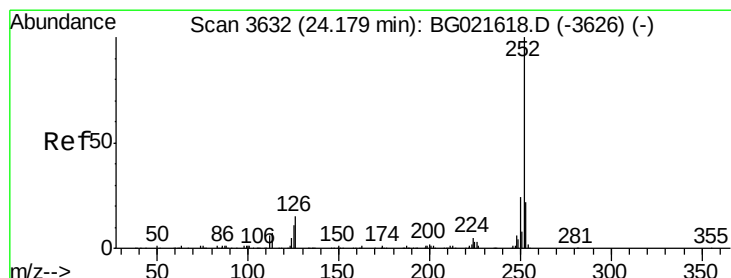
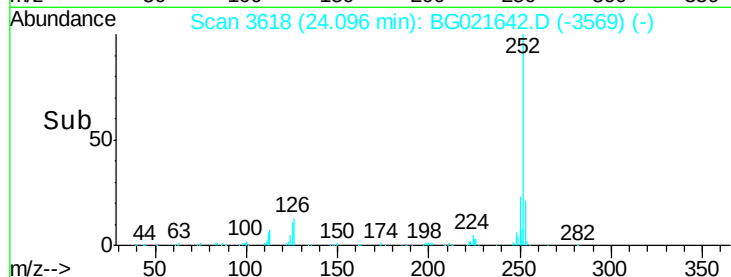
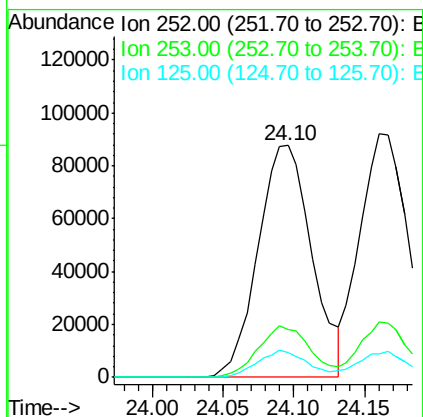
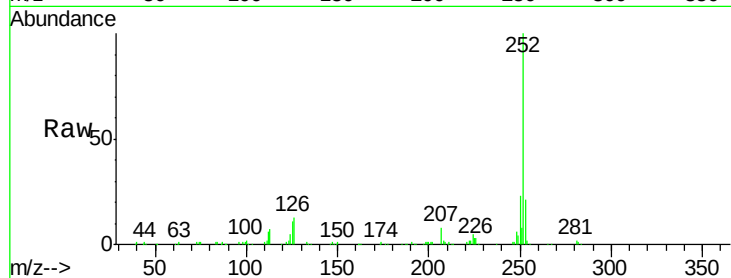




#87
Benzo(b)fluoranthene
Concen: 18.46 ng
RT: 24.10 min Scan# 3618
Delta R.T. -0.01 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

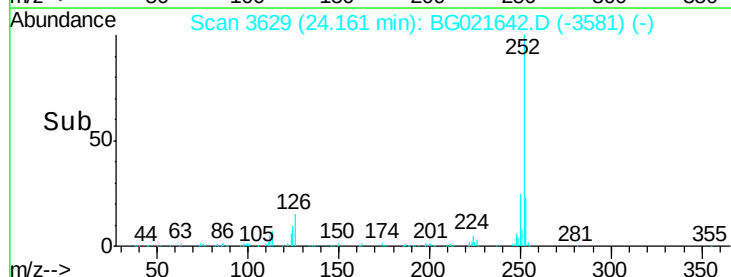
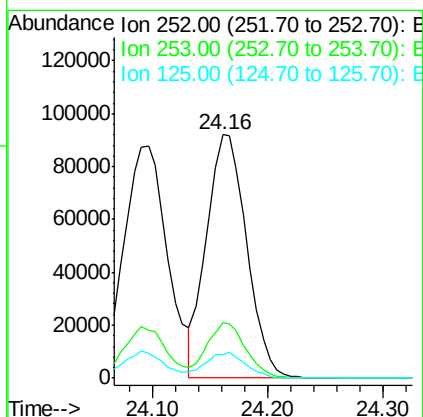
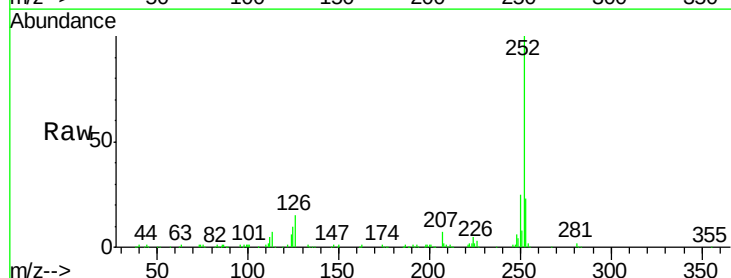
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

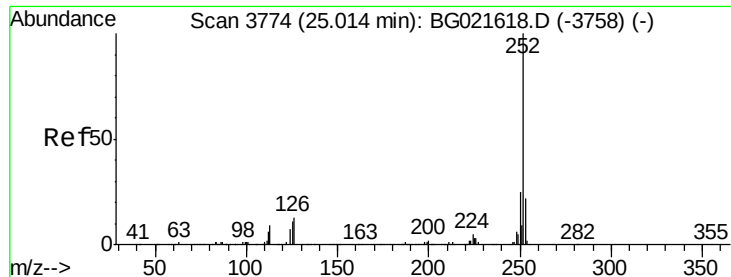
Tgt Ion:252 Resp: 233199
Ion Ratio Lower Upper
252 100
253 20.9 17.5 26.3
125 10.7 8.6 13.0



#88
Benzo(k)fluoranthene
Concen: 17.90 ng
RT: 24.16 min Scan# 3629
Delta R.T. -0.02 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Tgt Ion:252 Resp: 221176
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 9.6 8.3 12.5

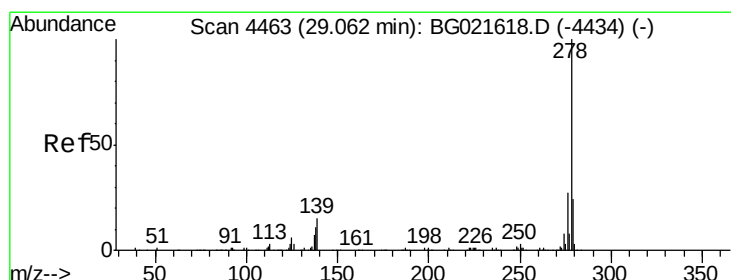
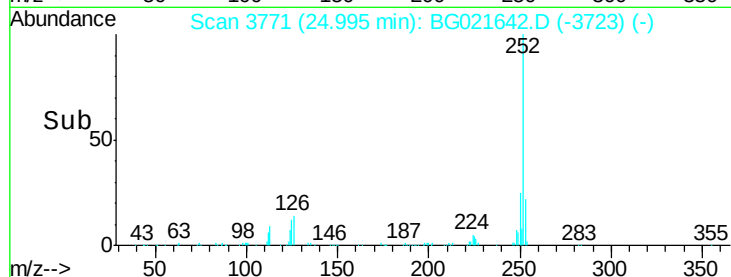
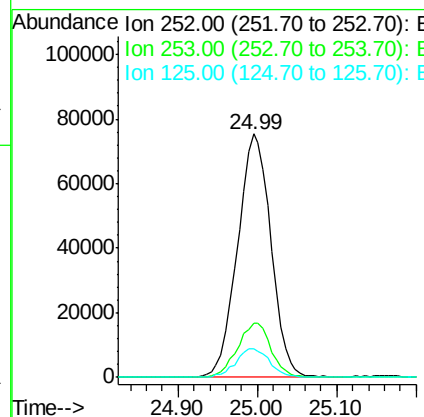
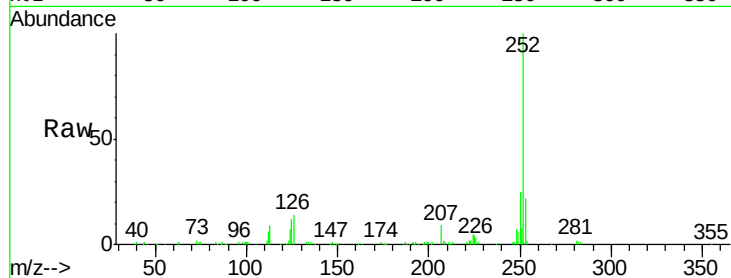




#89
Benzo(a)pyrene
Concen: 17.96 ng
RT: 24.99 min Scan# 3771
Delta R.T. -0.02 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

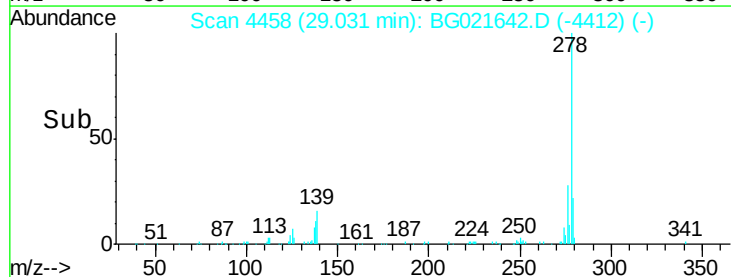
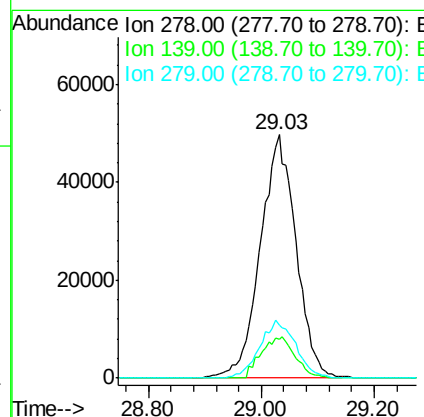
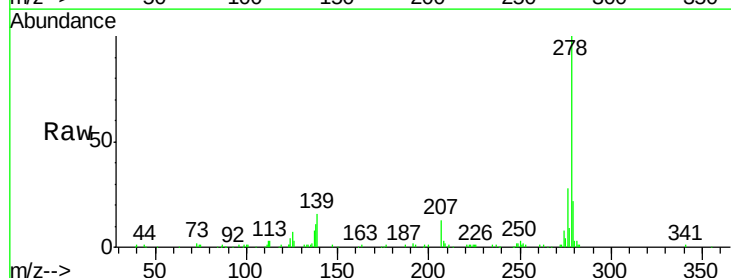
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

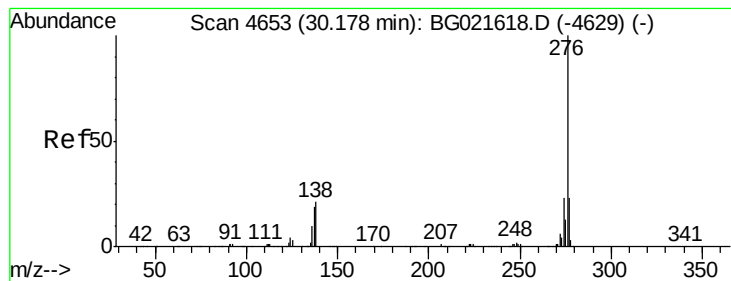
Tgt Ion: 252 Resp: 219829
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 11.5 9.6 14.4



#90
Dibenzo(a,h)anthracene
Concen: 17.74 ng
RT: 29.03 min Scan# 4458
Delta R.T. -0.03 min
Lab File: BG021642.D
Acq: 14 Apr 2016 6:16

Tgt Ion: 278 Resp: 217681
Ion Ratio Lower Upper
278 100
139 16.0 11.9 17.9
279 21.8 18.2 27.2





#91

Benzo(g,h,i)perylene

Concen: 17.92 ng

RT: 30.15 min Scan# 4649

Delta R.T. -0.02 min

Lab File: BG021642.D

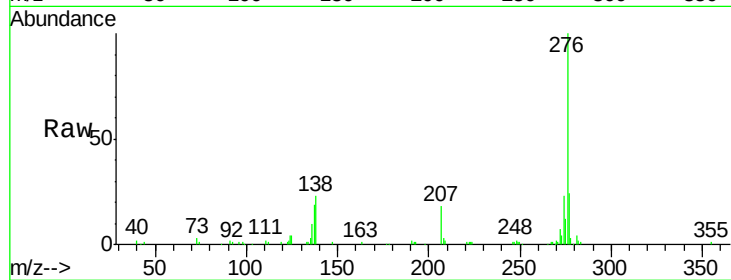
Acq: 14 Apr 2016 6:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02



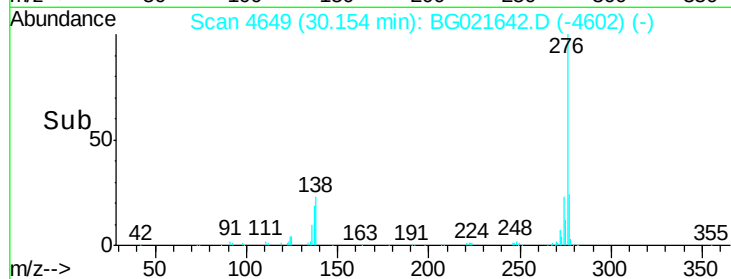
Tgt Ion: 276 Resp: 215825

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.2

138 22.9 17.4 26.0



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

