

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG010515\
 Data File : BG015851.D
 Acq On : 5 Jan 2015 20:10
 Operator : TP/IZ
 Sample : G1001-06-S
 Misc : LOQ-SOIL-20PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

Quant Time: Jan 06 06:14:41 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG010515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 06 06:05:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	26573	20.00	ng	0.00
21) Naphthalene-d8	10.51	136	97701	20.00	ng	0.00
38) Acenaphthene-d10	14.37	164	74758	20.00	ng	0.00
63) Phenanthrene-d10	17.11	188	180116	20.00	ng	0.00
75) Chrysene-d12	21.29	240	288739	20.00	ng	0.00
86) Perylene-d12	23.56	264	280828	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	194344	62.90	ng	0.00
7) Phenol-d6	6.91	99	266961	62.03	ng	0.00
23) Nitrobenzene-d5	8.89	82	197401	39.64	ng	0.00
41) 2,4,6-Tribromophenol	15.86	330	178734	62.89	ng	0.00
44) 2-Fluorobiphenyl	12.99	172	417716	39.91	ng	0.00
78) Terphenyl-d14	19.74	244	1027047	39.74	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.25	88	11182	15.78	ng	90
3) Pyridine	3.64	79	24813	12.77	ng	# 90
4) n-Nitrosodimethylamine	3.56	42	13091	15.68	ng	# 91
6) Aniline	7.06	93	25223	8.67	ng	92
8) 2-Chlorophenol	7.30	128	24326	15.27	ng	87
9) Benzaldehyde	6.88	77	28285	19.52	ng	86
10) Phenol	6.93	94	37312	15.93	ng	89
11) bis(2-Chloroethyl)ether	7.16	93	29888	17.31	ng	91
12) 1,3-Dichlorobenzene	7.62	146	27623	14.47	ng	93
13) 1,4-Dichlorobenzene	7.76	146	28924	14.85	ng	94
14) 1,2-Dichlorobenzene	8.08	146	26282	14.21	ng	92
15) Benzyl Alcohol	7.97	79	32849	15.63	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.27	45	20048	18.18	ng	87
17) 2-Methylphenol	8.17	107	22628	14.16	ng	96
18) Hexachloroethane	8.80	117	14378	15.99	ng	93
19) n-Nitroso-di-n-propylamine	8.53	70	23174	13.80	ng	# 96
20) 3+4-Methylphenols	8.50	107	31596	14.83	ng	91
22) Acetophenone	8.54	105	44658	15.59	ng	# 93
24) Nitrobenzene	8.93	77	41949	16.72	ng	97
25) Isophorone	9.44	82	73453	16.63	ng	99
26) 2-Nitrophenol	9.63	139	14300	14.88	ng	# 89
27) 2,4-Dimethylphenol	9.70	122	21861	13.60	ng	# 77
28) bis(2-Chloroethoxy)methane	9.93	93	35966	16.51	ng	# 96
29) 2,4-Dichlorophenol	10.16	162	24862	15.31	ng	96
30) 1,2,4-Trichlorobenzene	10.38	180	31797	14.94	ng	92
31) Naphthalene	10.57	128	79158	15.30	ng	96
32) Benzoic acid	9.78	122	6274	8.47	ng	86
33) 4-Chloroaniline	10.68	127	17158	8.14	ng	# 89
34) Hexachlorobutadiene	10.85	225	31074	15.71	ng	93
35) Caprolactam	11.44	113	10403	14.56	ng	# 72
36) 4-Chloro-3-methylphenol	11.81	107	32850	15.52	ng	87
37) 2-Methylnaphthalene	12.18	142	59782	15.43	ng	97
39) 1,2,4,5-Tetrachlorobenzene	12.55	216	43592	15.68	ng	97
40) Hexachlorocyclopentadiene	12.53	237	28540	15.43	ng	93

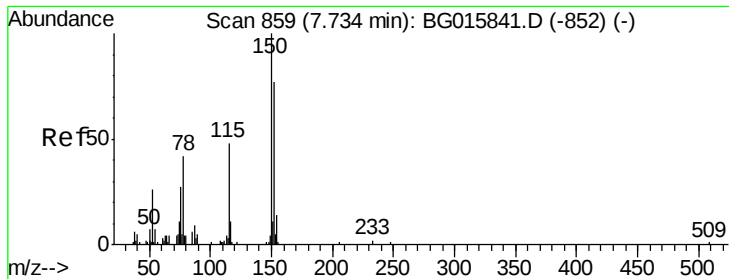
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG010515\
 Data File : BG015851.D
 Acq On : 5 Jan 2015 20:10
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.80	196	25219	14.78	ng	88
43) 2,4,5-Trichlorophenol	12.87	196	28421	15.21	ng	95
45) 1,1'-Biphenyl	13.20	154	82163	15.39	ng	99
46) 2-Chloronaphthalene	13.24	162	66802	15.71	ng	99
47) 2-Nitroaniline	13.44	65	21929	15.76	ng	96
48) Acenaphthylene	14.08	152	108433	14.90	ng	99
49) Dimethylphthalate	13.83	163	88624	16.07	ng	98
50) 2,6-Dinitrotoluene	13.95	165	19650	16.52	ng	94
51) Acenaphthene	14.43	154	65852	15.41	ng	94
52) 3-Nitroaniline	14.28	138	13995	12.37	ng	99
53) 2,4-Dinitrophenol	14.49	184	7566	11.46	ng	91
54) Dibenzofuran	14.77	168	105989	15.29	ng	98
55) 4-Nitrophenol	14.59	139	12340	13.24	ng	# 89
56) 2,4-Dinitrotoluene	14.74	165	29633	17.29	ng	# 82
57) Fluorene	15.42	166	88957	15.75	ng	92
58) 2,3,4,6-Tetrachlorophenol	15.00	232	31558	14.97	ng	# 97
59) Diethylphthalate	15.19	149	98132	16.11	ng	95
60) 4-Chlorophenyl-phenylether	15.41	204	58994	15.99	ng	97
61) 4-Nitroaniline	15.44	138	20826	15.66	ng	95
62) Azobenzene	15.70	77	100519	15.31	ng	99
64) 4,6-Dinitro-2-methylphenol	15.50	198	16798	13.58	ng	95
65) n-Nitrosodiphenylamine	15.62	169	84226	16.26	ng	93
66) 4-Bromophenyl-phenylether	16.31	248	41318	16.72	ng	100
67) Hexachlorobenzene	16.42	284	45123	16.13	ng	95
68) Atrazine	16.58	200	35831	15.48	ng	91
69) Pentachlorophenol	16.76	266	22503	13.62	ng	90
70) Phenanthrene	17.15	178	151757	15.83	ng	95
71) Anthracene	17.25	178	155250	16.30	ng	96
72) Carbazole	17.52	167	140990	15.44	ng	98
73) Di-n-butylphthalate	18.08	149	178823	16.63	ng	99
74) Fluoranthene	19.17	202	233181	16.08	ng	99
76) Benzidine	19.36	184	47518	7.11	ng	98
77) Pyrene	19.53	202	246764	15.98	ng	98
79) Butylbenzylphthalate	20.43	149	97205	16.80	ng	93
80) Benzo(a)anthracene	21.28	228	279751	16.32	ng	98
81) 3,3'-Dichlorobenzidine	21.21	252	64145	10.19	ng	# 93
82) Chrysene	21.33	228	256200	16.25	ng	96
83) Bis(2-ethylhexyl)phthalate	21.21	149	140055	16.65	ng	99
84) Di-n-octyl phthalate	22.09	149	228081	16.65	ng	100
85) Indeno(1,2,3-cd)pyrene	25.86	276	294556	15.82	ng	99
87) Benzo(b)fluoranthene	22.87	252	276037	15.75	ng	99
88) Benzo(k)fluoranthene	22.92	252	276268	16.37	ng	99
89) Benzo(a)pyrene	23.46	252	264702	16.76	ng	100
90) Dibenzo(a,h)anthracene	25.87	278	242128	15.60	ng	95
91) Benzo(g,h,i)perylene	26.56	276	246449	15.98	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.73 min Scan# 858

Delta R.T. -0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

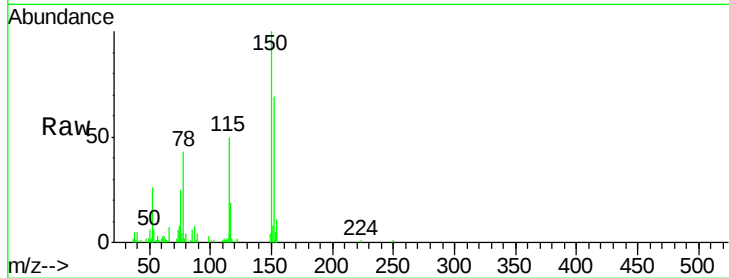
Tgt Ion:152 Resp: 26573

Ion Ratio Lower Upper

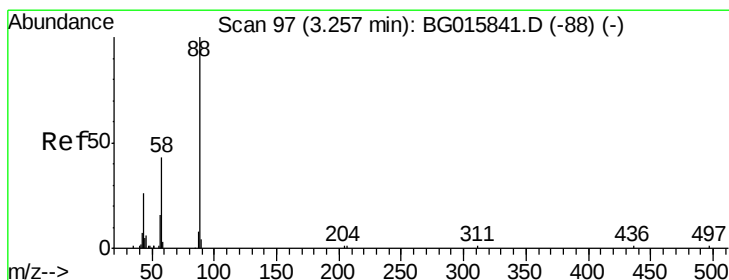
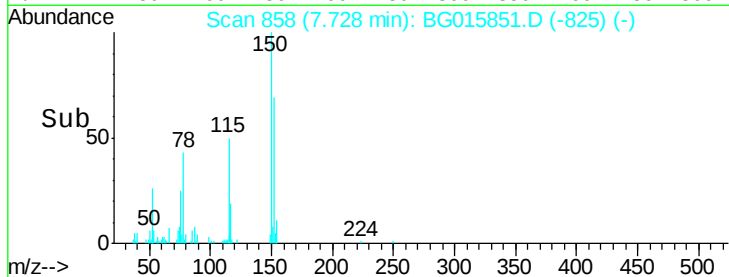
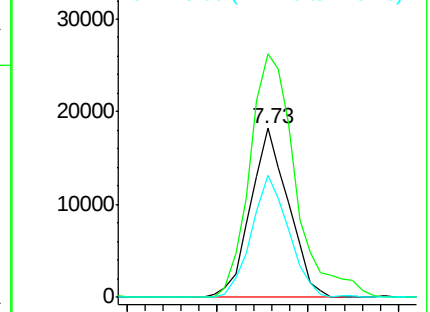
152 100

150 144.1 103.9 155.9

115 72.2 50.2 75.2



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: 15.78 ng

RT: 3.25 min Scan# 96

Delta R.T. -0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

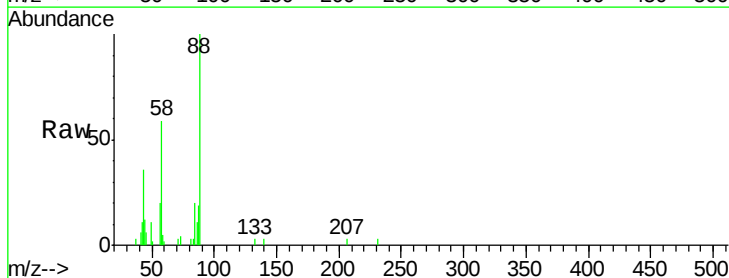
Tgt Ion: 88 Resp: 11182

Ion Ratio Lower Upper

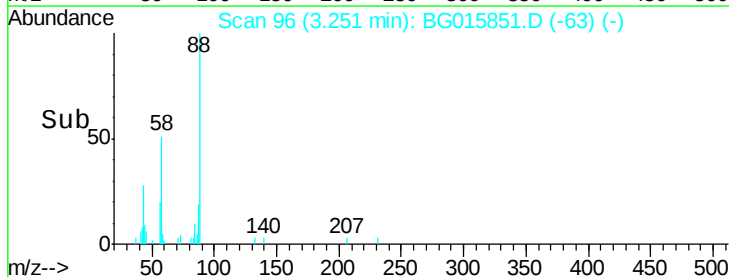
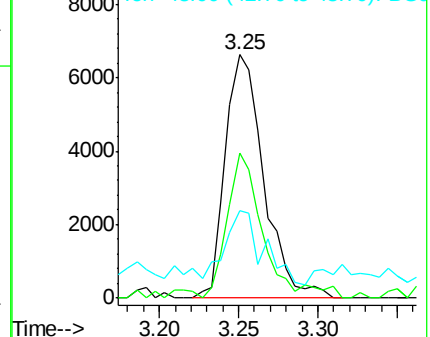
88 100

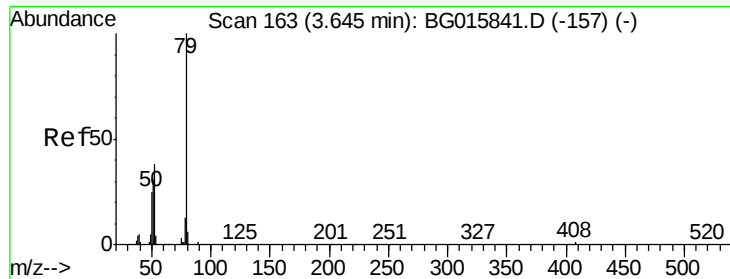
58 55.2 37.9 56.9

43 29.9 20.7 31.1



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: 12.77 ng

RT: 3.64 min Scan# 162

Delta R.T. -0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

Instrument :

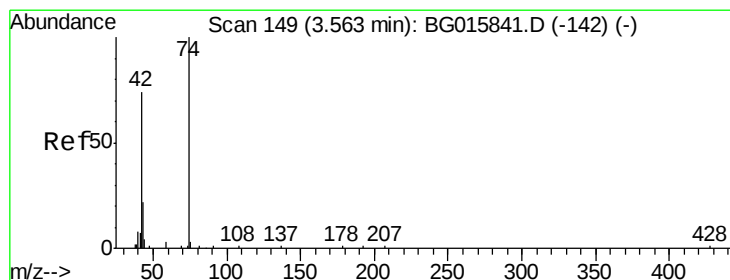
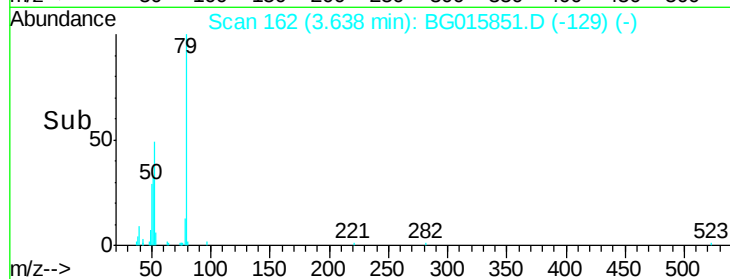
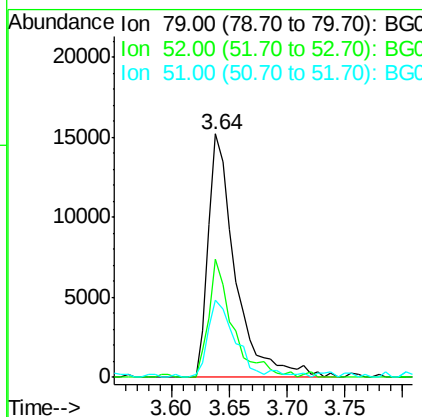
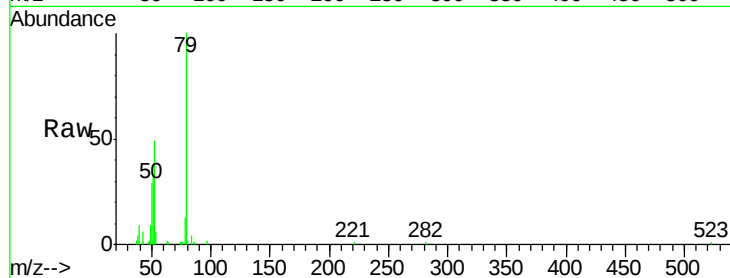
BNA_G

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion: 79 Resp: 24813

Ion	Ratio	Lower	Upper
79	100		
52	48.6	30.6	46.0#
51	31.9	24.9	37.3



#4

n-Nitrosodimethylamine

Concen: 15.68 ng

RT: 3.56 min Scan# 149

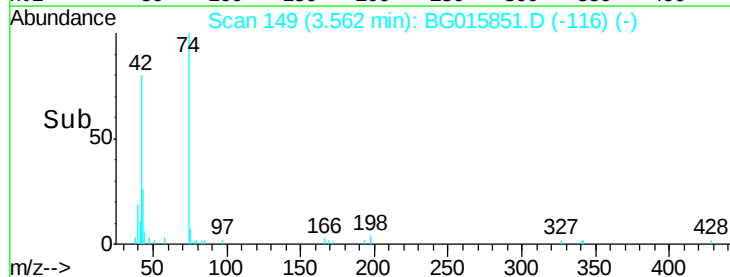
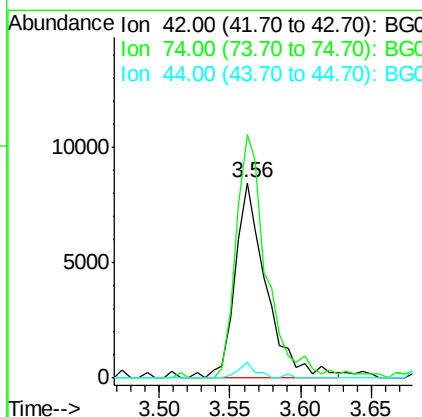
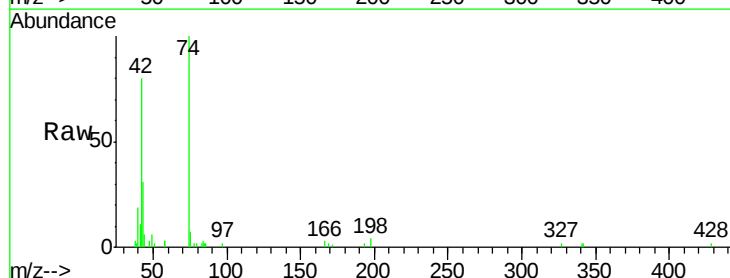
Delta R.T. -0.00 min

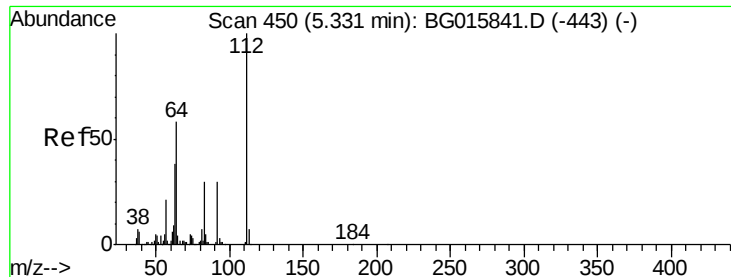
Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

Tgt Ion: 42 Resp: 13091

Ion	Ratio	Lower	Upper
42	100		
74	124.7	108.8	163.2
44	8.1	4.4	6.6#





#5

2-Fluorophenol

Concen: 62.90 ng

RT: 5.33 min Scan# 450

Delta R.T. 0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

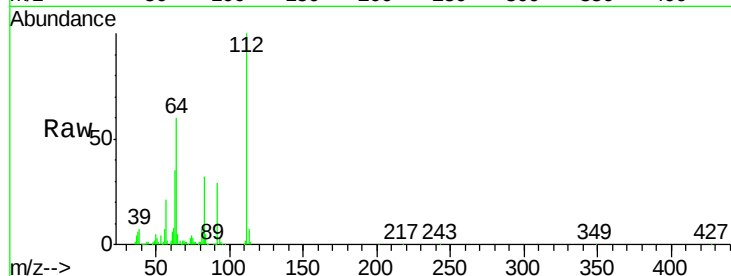
Tgt Ion:112 Resp: 194344

Ion Ratio Lower Upper

112 100

64 60.5 46.8 70.2

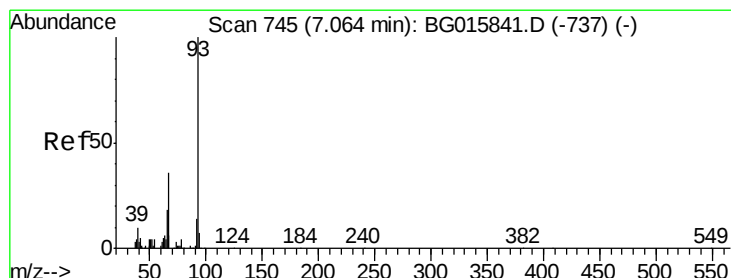
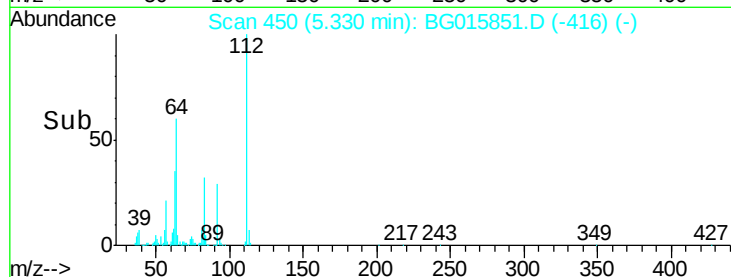
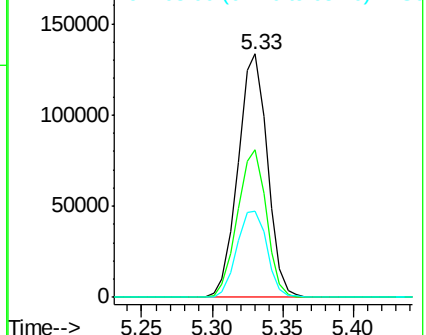
63 35.4 30.6 45.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 8.67 ng

RT: 7.06 min Scan# 745

Delta R.T. 0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

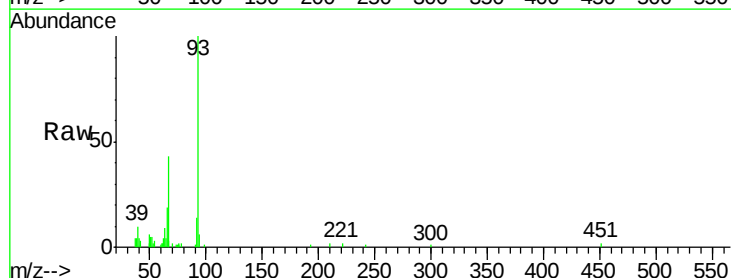
Tgt Ion: 93 Resp: 25223

Ion Ratio Lower Upper

93 100

66 42.6 28.7 43.1

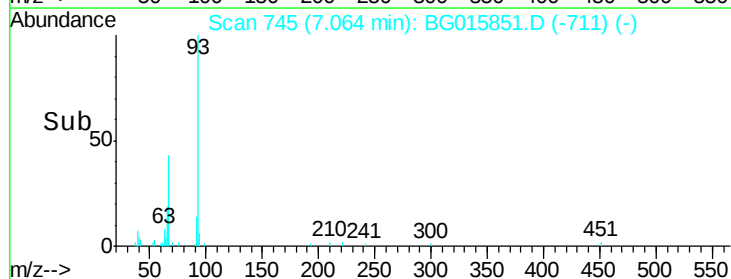
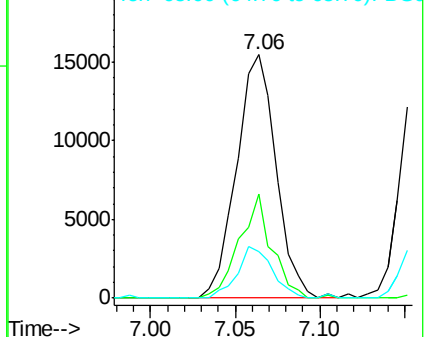
65 19.2 14.7 22.1

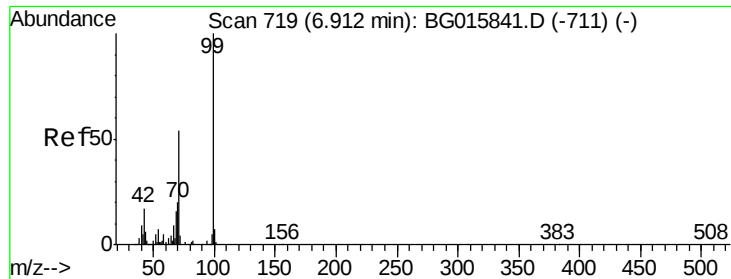


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 62.03 ng

RT: 6.91 min Scan# 719

Delta R.T. -0.00 min

Lab File: BG015851.D

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LOQ-SOIL2015-02

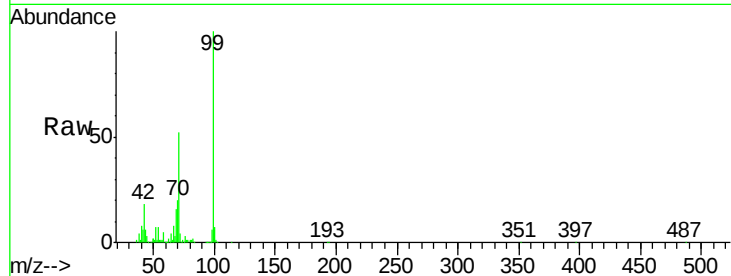
Tgt Ion: 99 Resp: 266961

Ion Ratio Lower Upper

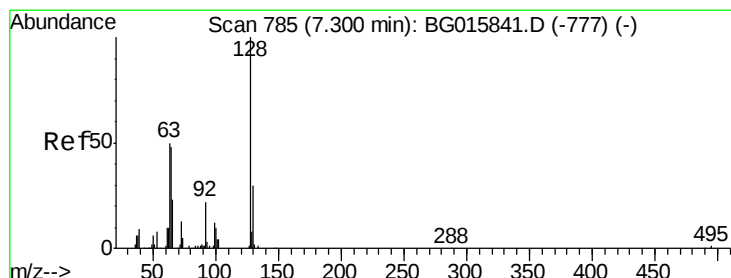
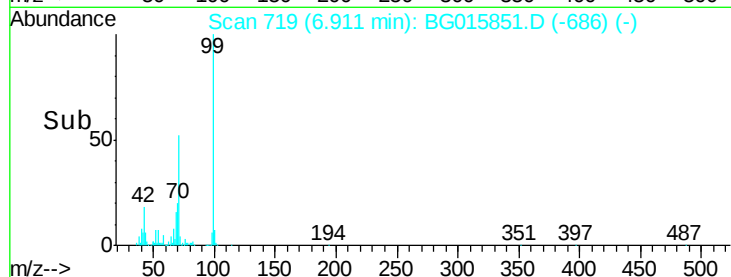
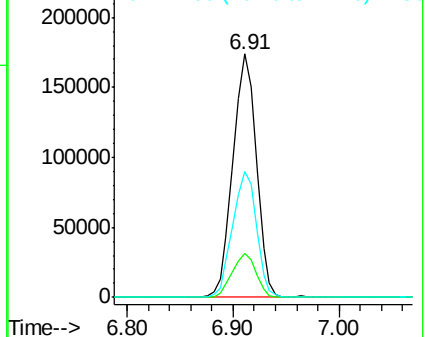
99 100

42 18.0 13.8 20.8

71 51.8 42.8 64.2



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: 15.27 ng

RT: 7.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

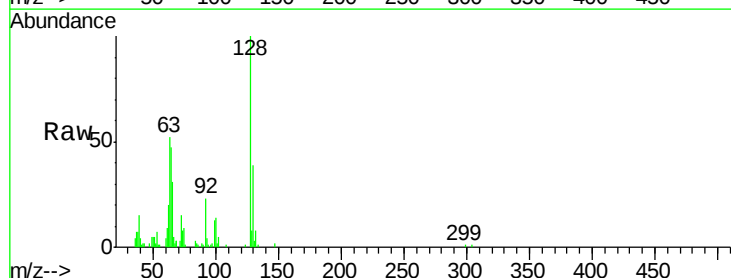
Tgt Ion: 128 Resp: 24326

Ion Ratio Lower Upper

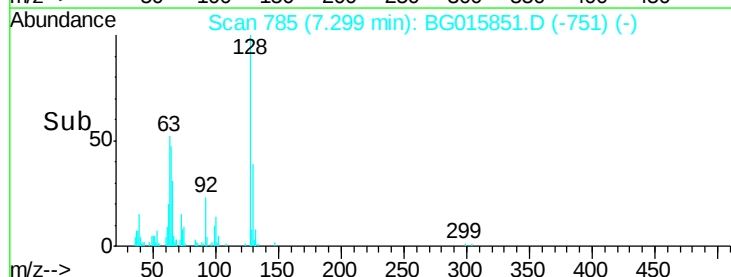
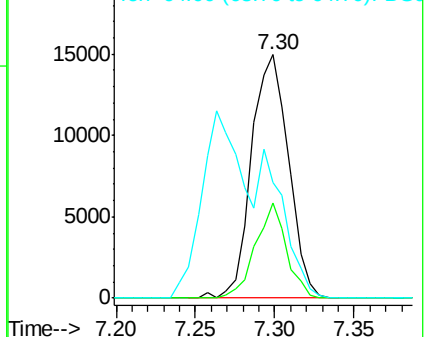
128 100

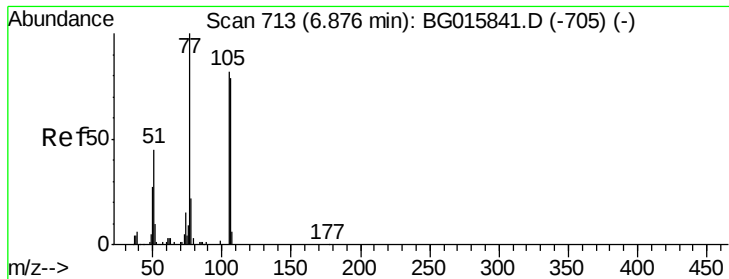
130 38.9 10.6 50.6

64 47.5 36.4 76.4



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: 19.52 ng

RT: 6.88 min Scan# 713

Delta R.T. -0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

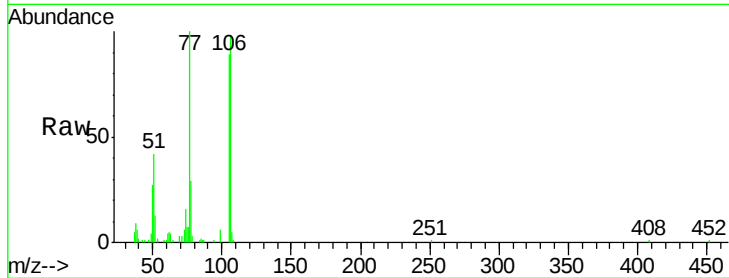
Tgt Ion: 77 Resp: 28285

Ion Ratio Lower Upper

77 100

105 88.6 62.4 102.4

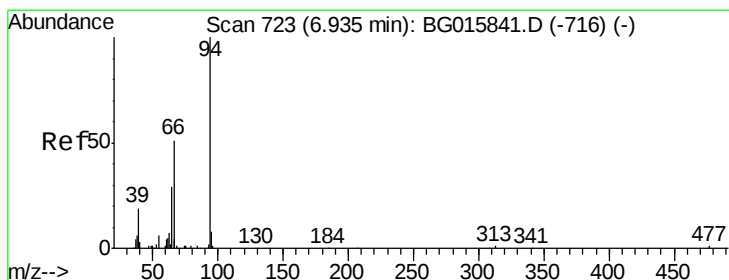
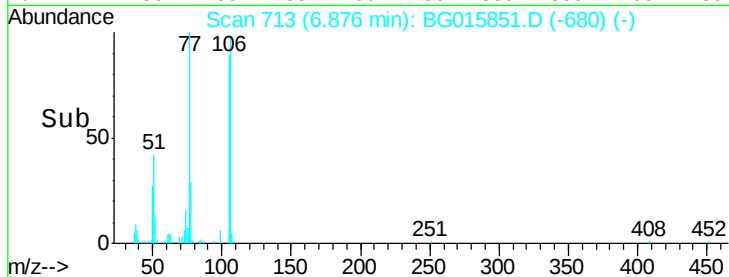
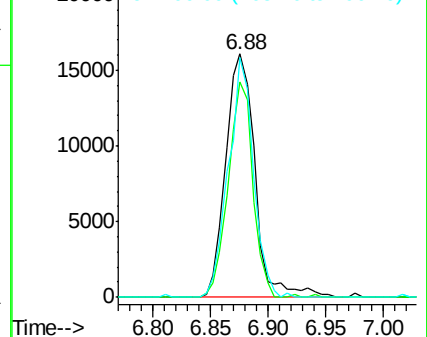
106 98.4 59.5 99.5



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: 15.93 ng

RT: 6.93 min Scan# 723

Delta R.T. -0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

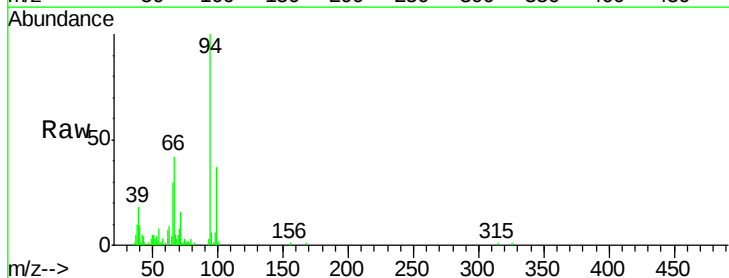
Tgt Ion: 94 Resp: 37312

Ion Ratio Lower Upper

94 100

65 30.0 9.7 49.7

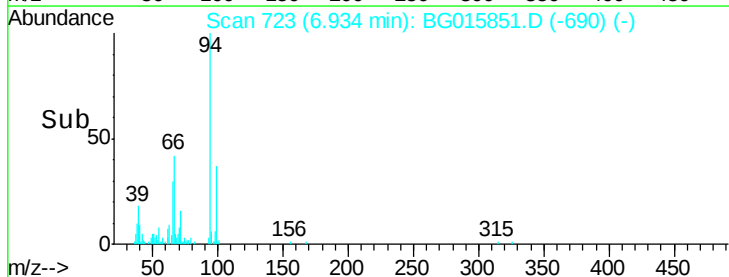
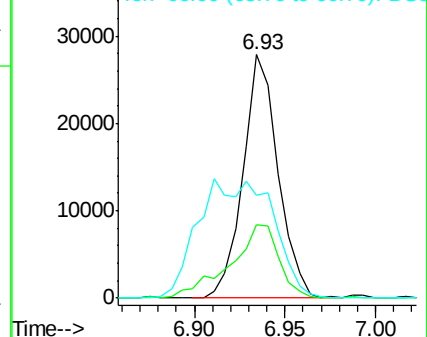
66 42.3 33.8 73.8

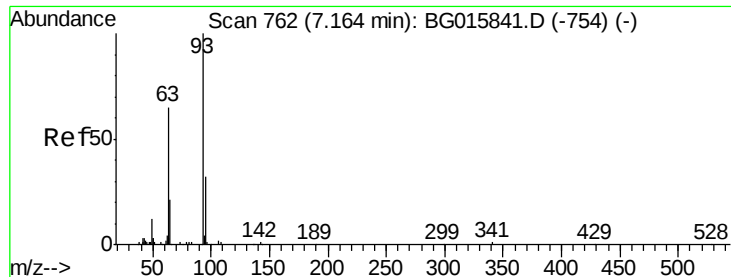


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

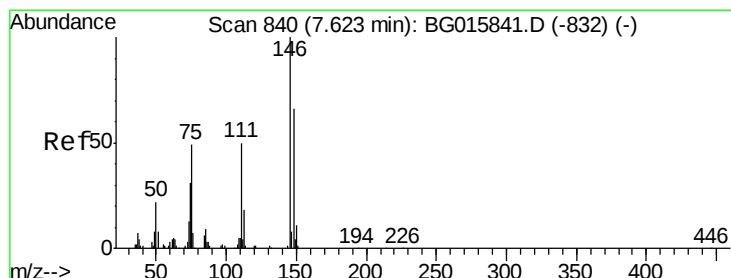
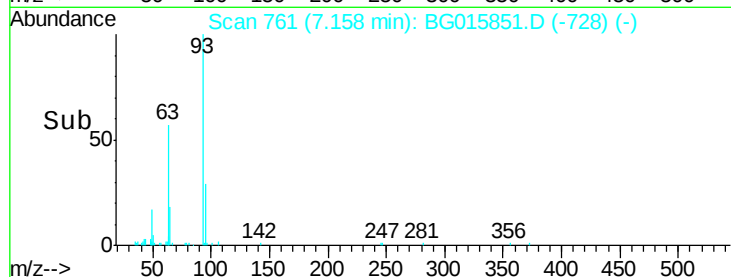
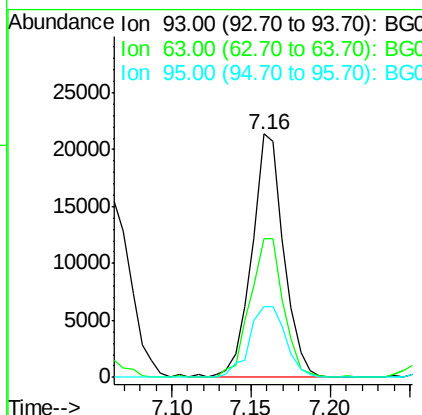
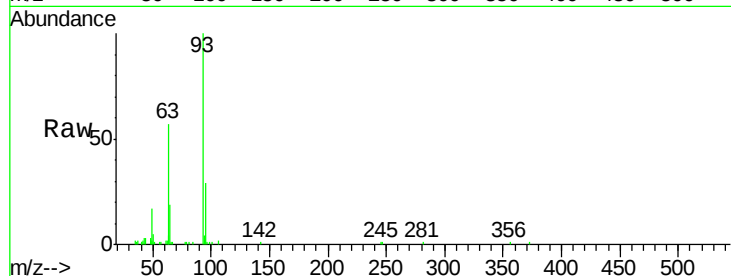




#11
bis(2-Chloroethyl)ether
Concen: 17.31 ng
RT: 7.16 min Scan# 761
Delta R.T. -0.00 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

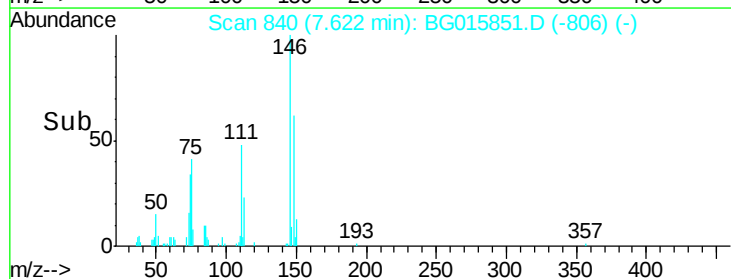
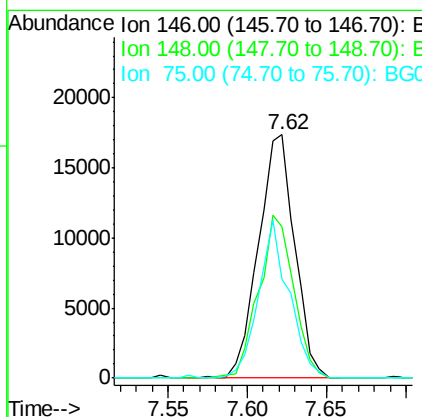
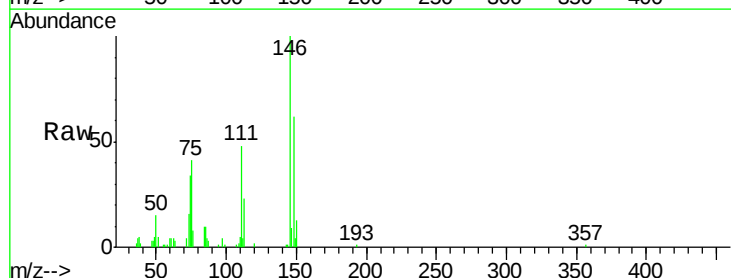
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

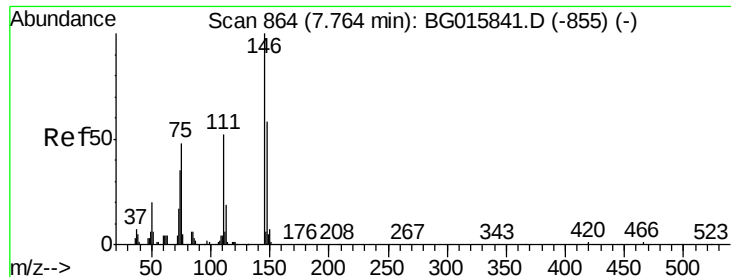
Tgt Ion: 93 Resp: 29888
Ion Ratio Lower Upper
93 100
63 56.9 45.1 85.1
95 29.3 12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 14.47 ng
RT: 7.62 min Scan# 840
Delta R.T. 0.00 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

Tgt Ion: 146 Resp: 27623
Ion Ratio Lower Upper
146 100
148 62.5 52.5 78.7
75 40.6 38.9 58.3





#13

1,4-Dichlorobenzene

Concen: 14.85 ng

RT: 7.76 min Scan# 864

Delta R.T. -0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

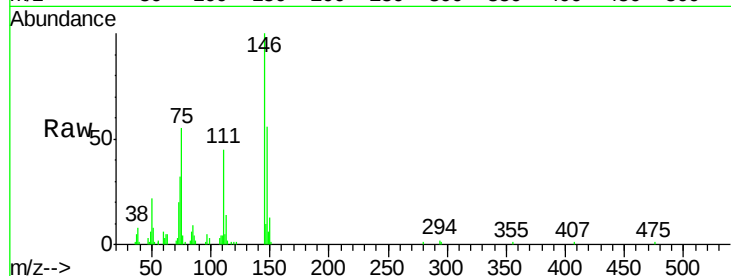
Tgt Ion:146 Resp: 28924

Ion Ratio Lower Upper

146 100

148 56.0 46.5 69.7

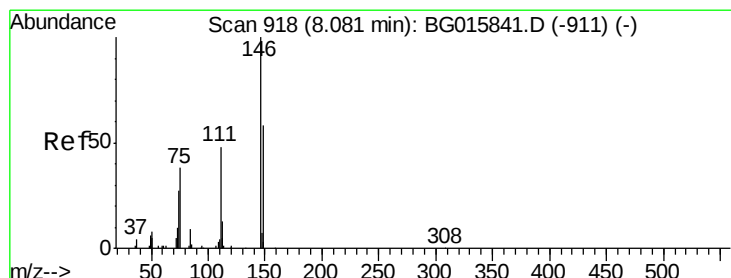
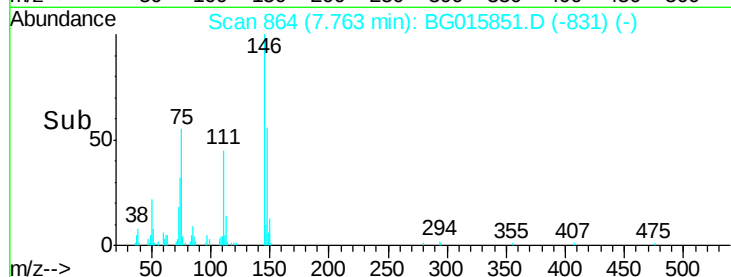
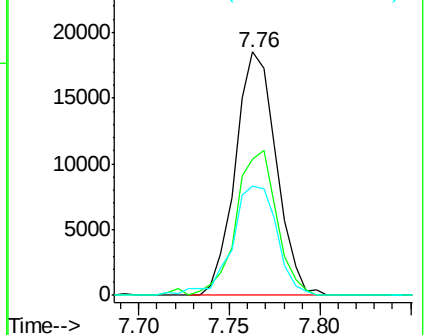
111 45.1 41.8 62.6



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: 14.21 ng

RT: 8.08 min Scan# 918

Delta R.T. -0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

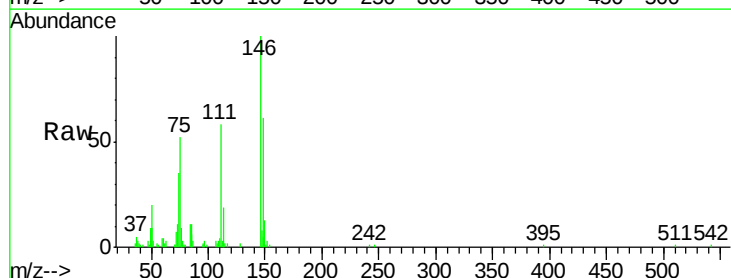
Tgt Ion:146 Resp: 26282

Ion Ratio Lower Upper

146 100

148 61.5 46.7 70.1

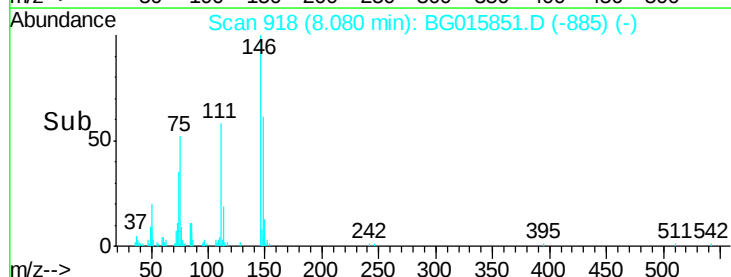
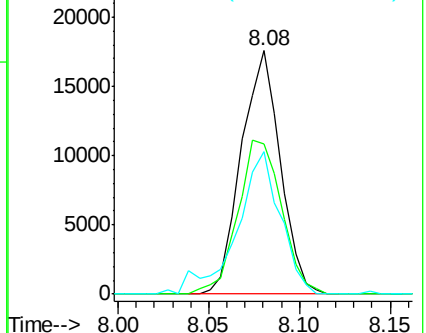
111 58.4 39.6 59.4

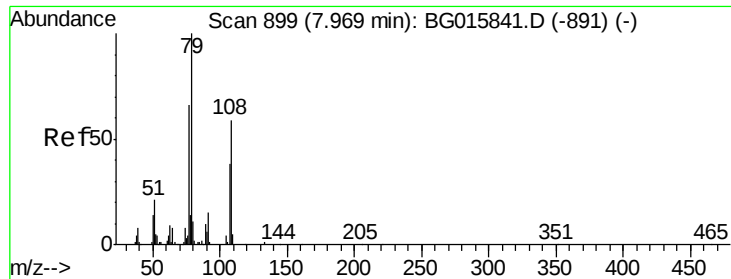


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 15.63 ng

RT: 7.97 min Scan# 899

Delta R.T. -0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

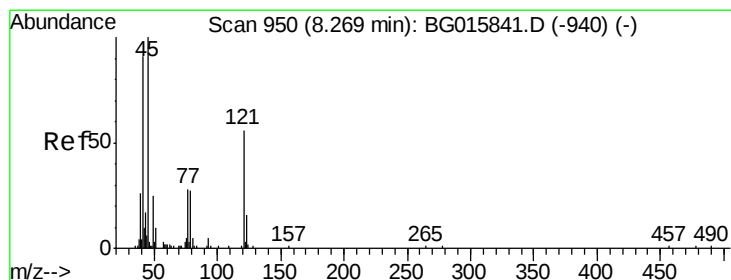
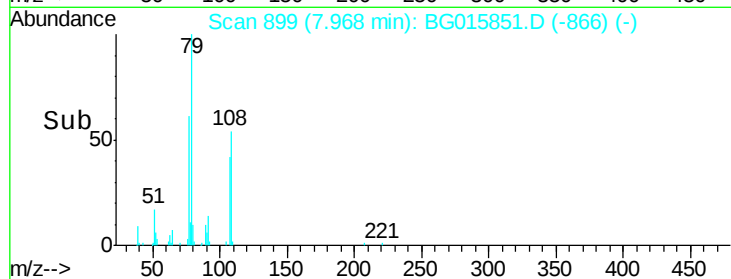
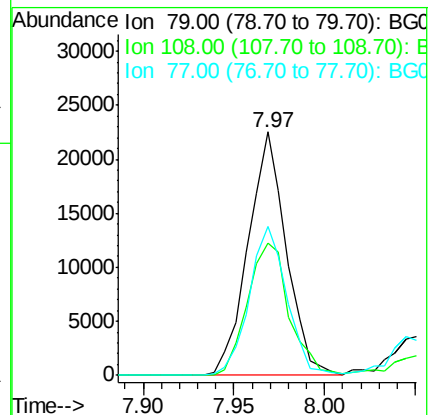
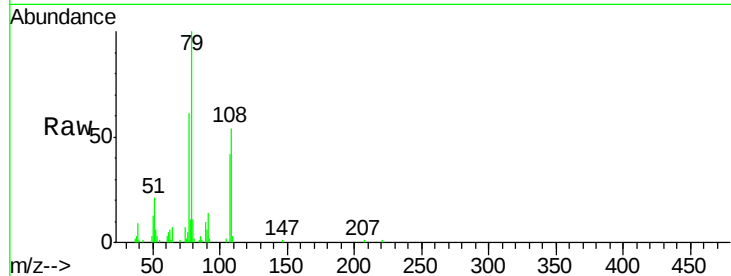
Tgt Ion: 79 Resp: 32849

Ion Ratio Lower Upper

79 100

108 54.4 47.0 70.4

77 61.3 53.1 79.7



#16

2,2'-oxybis(1-Chloropropane)

Concen: 18.18 ng

RT: 8.27 min Scan# 950

Delta R.T. -0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

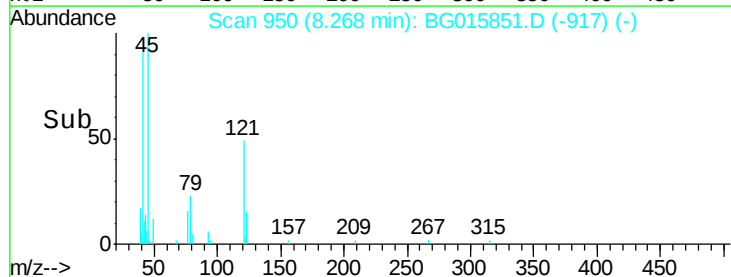
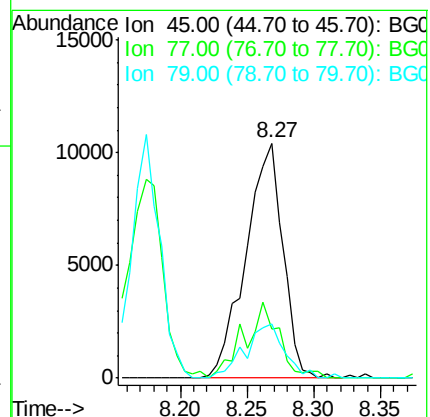
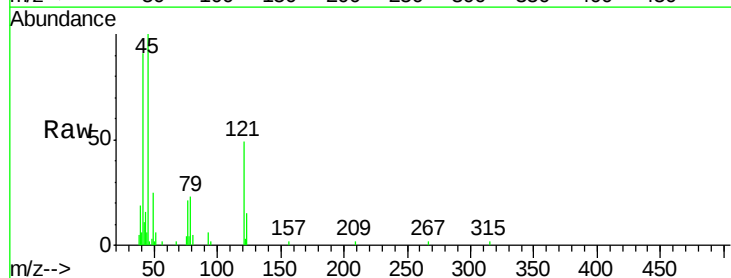
Tgt Ion: 45 Resp: 20048

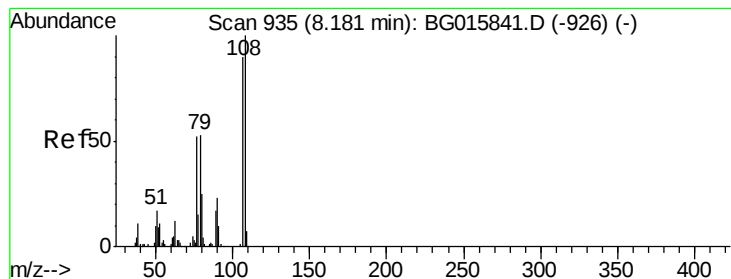
Ion Ratio Lower Upper

45 100

77 20.9 9.7 49.7

79 23.1 7.8 47.8





#17

2-Methylphenol

Concen: 14.16 ng

RT: 8.17 min Scan# 934

Delta R.T. -0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:107 Resp: 22628

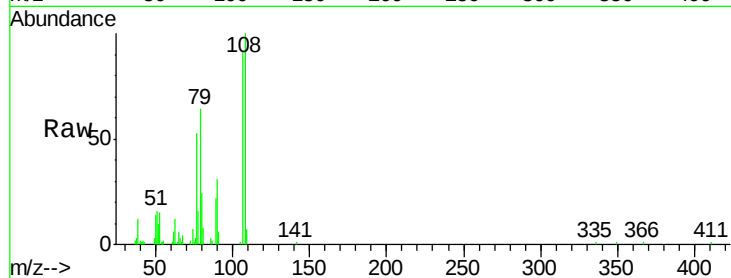
Ion Ratio Lower Upper

107 100

108 110.3 88.9 133.3

77 58.1 46.6 69.8

79 71.1 47.6 71.4

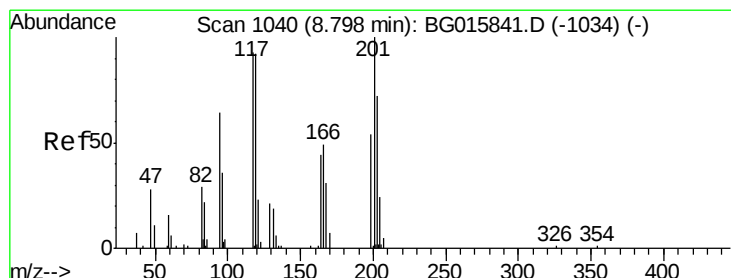
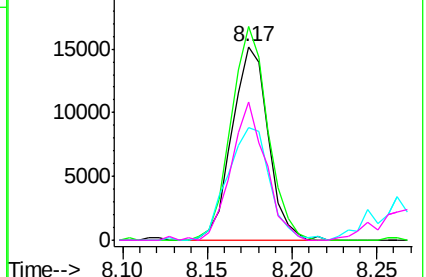
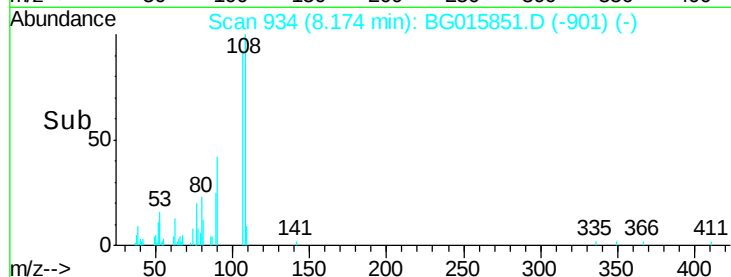


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 15.99 ng

RT: 8.80 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

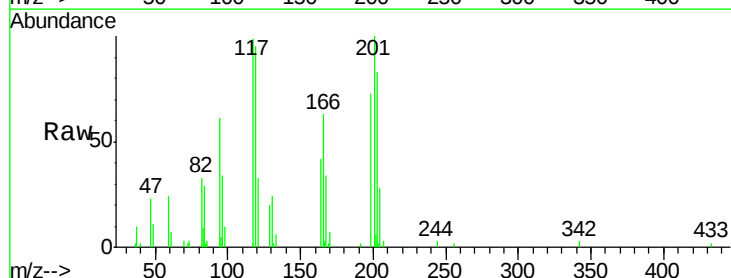
Tgt Ion:117 Resp: 14378

Ion Ratio Lower Upper

117 100

119 93.8 79.5 119.3

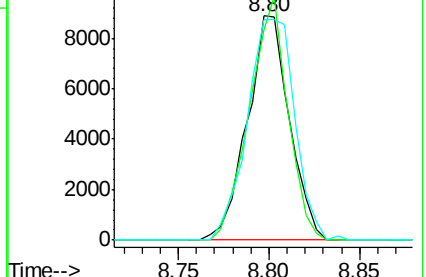
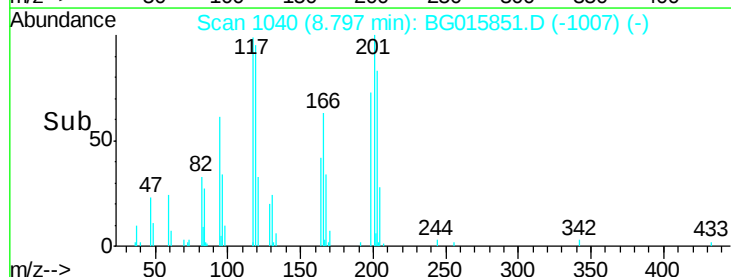
201 98.3 84.8 127.2

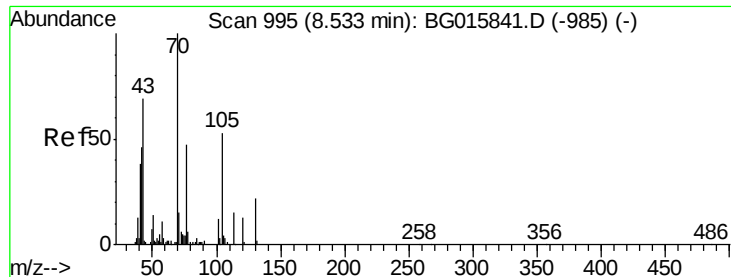


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

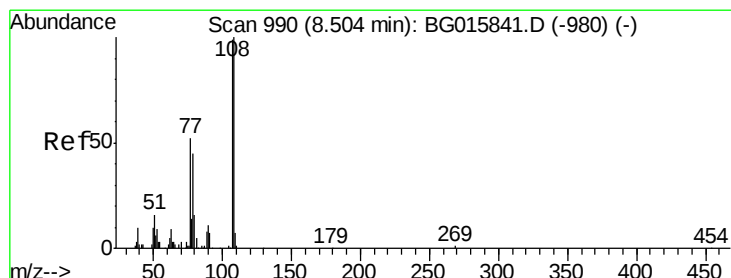
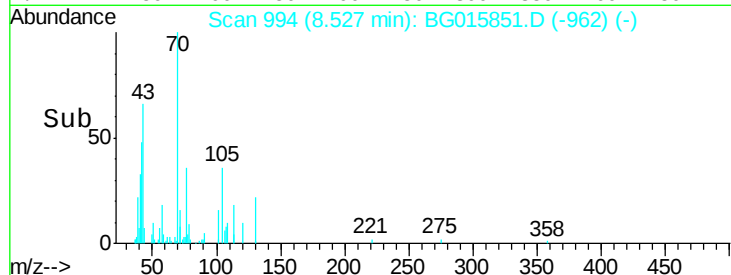
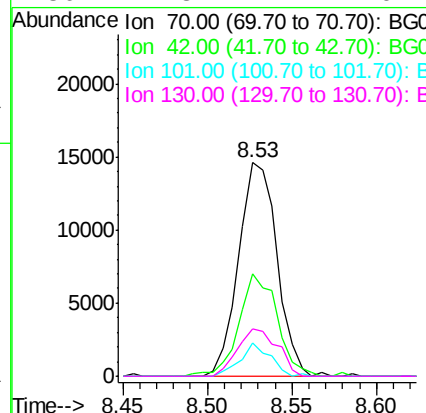
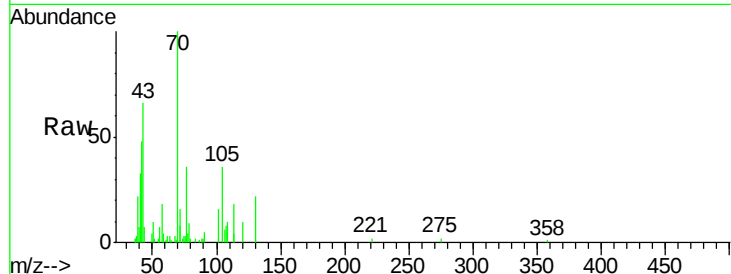




#19
n-Nitroso-di-n-propylamine
Concen: 13.80 ng
RT: 8.53 min Scan# 994
Delta R.T. -0.01 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

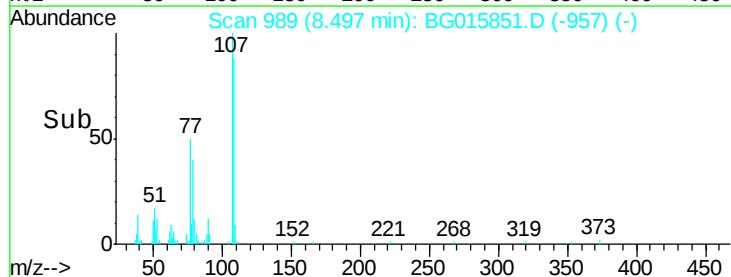
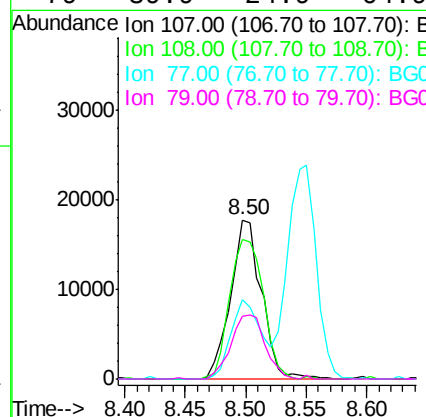
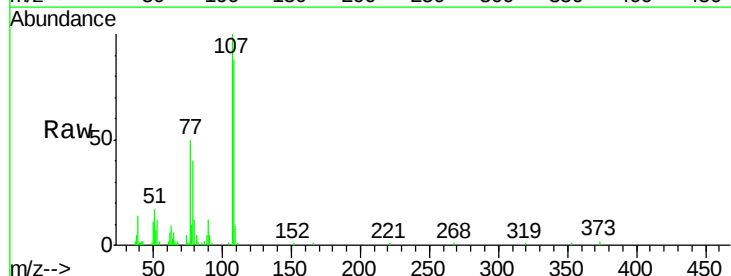
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

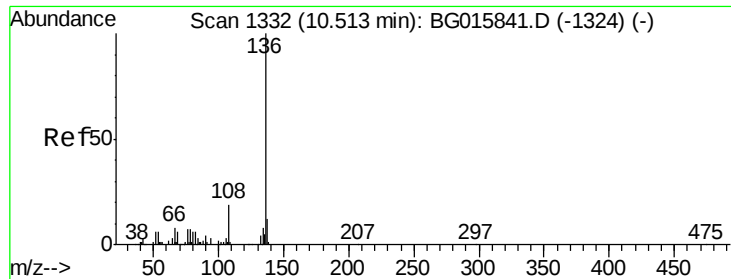
Tgt Ion:	70	Resp:	23174
Ion	Ratio	Lower	Upper
70	100		
42	47.9	36.6	54.8
101	15.6	9.4	14.2
130	22.3	17.4	26.2



#20
3+4-Methylphenols
Concen: 14.83 ng
RT: 8.50 min Scan# 989
Delta R.T. -0.01 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

Tgt Ion:	107	Resp:	31596
Ion	Ratio	Lower	Upper
107	100		
108	87.9	80.9	120.9
77	50.4	32.1	72.1
79	39.9	24.9	64.9

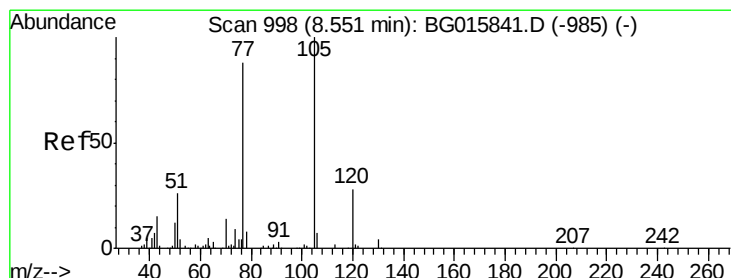
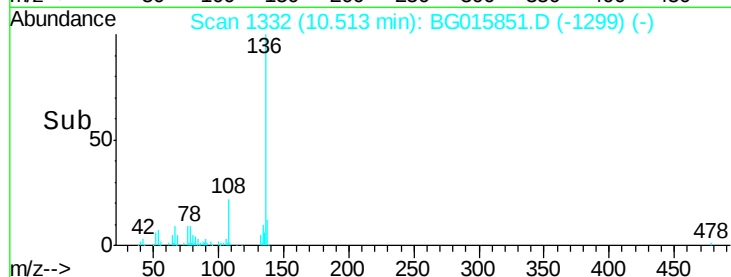
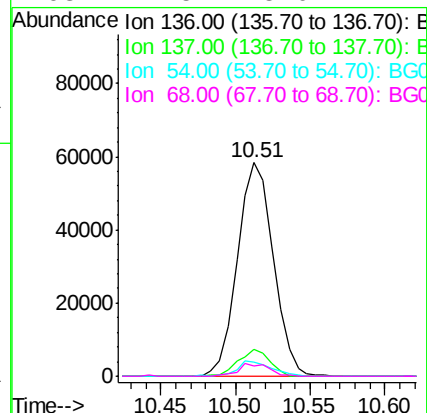
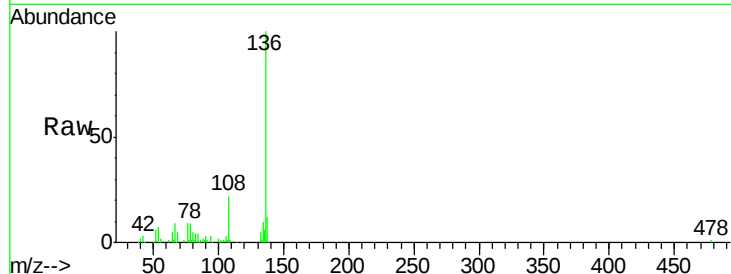




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.51 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

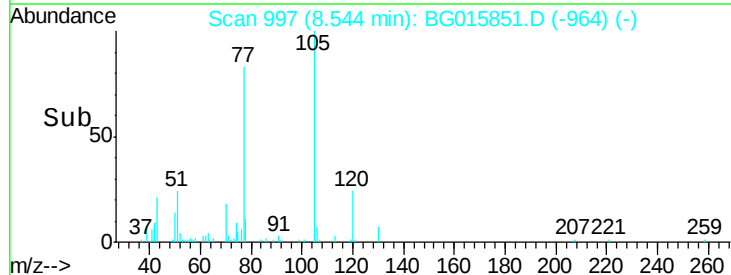
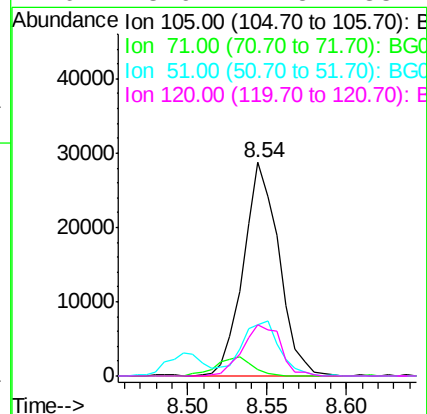
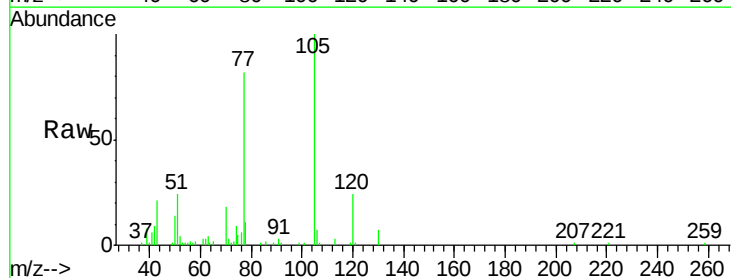
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

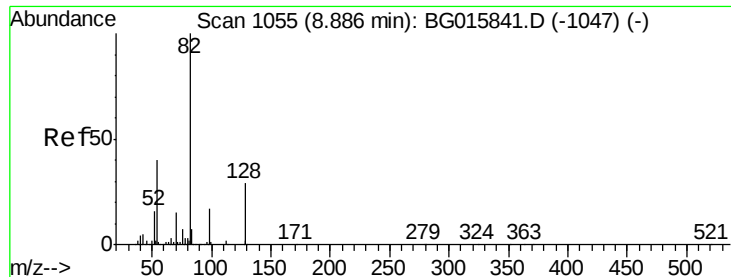
Tgt Ion:	136	Resp:	97701
Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.6	14.4
54	6.6	4.5	6.7
68	4.5	5.0	7.4#



#22
Acetophenone
Concen: 15.59 ng
RT: 8.54 min Scan# 997
Delta R.T. -0.00 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

Tgt Ion:	105	Resp:	44658
Ion	Ratio	Lower	Upper
105	100		
71	2.9	0.9	1.3#
51	24.1	21.4	32.2
120	23.9	22.5	33.7

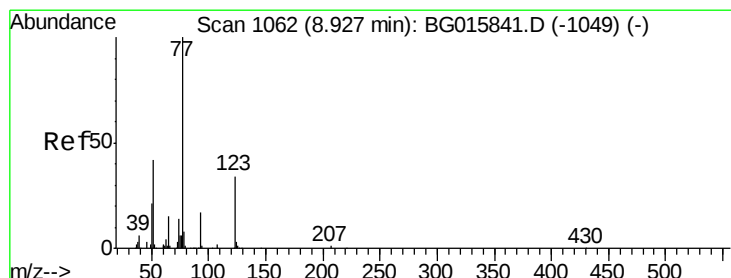
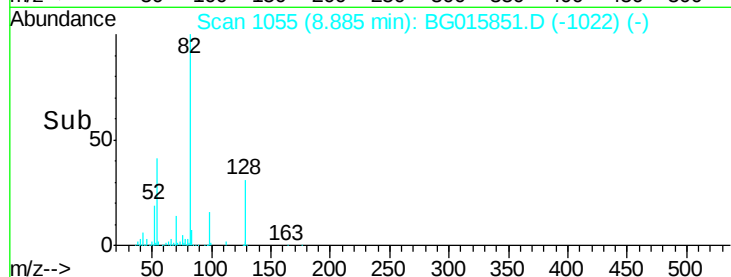
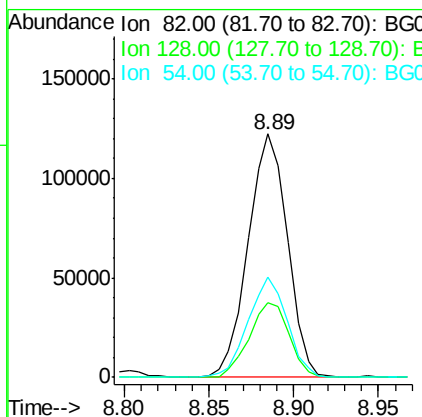
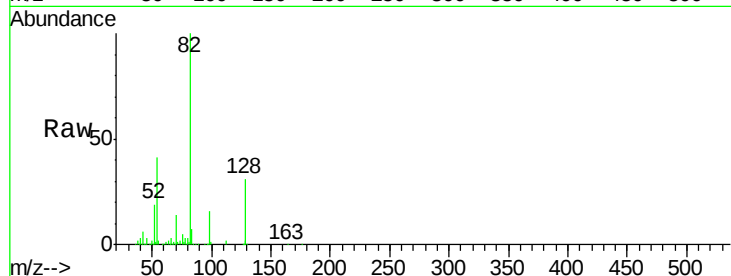




#23
 Nitrobenzene-d5
 Concen: 39.64 ng
 RT: 8.89 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: BG015851.D
 Acq: 5 Jan 2015 20:10

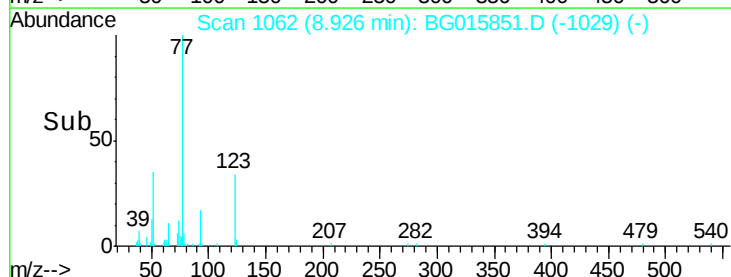
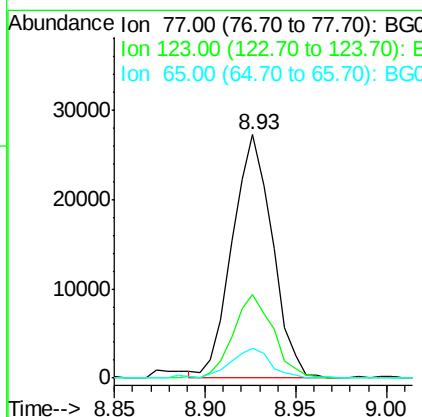
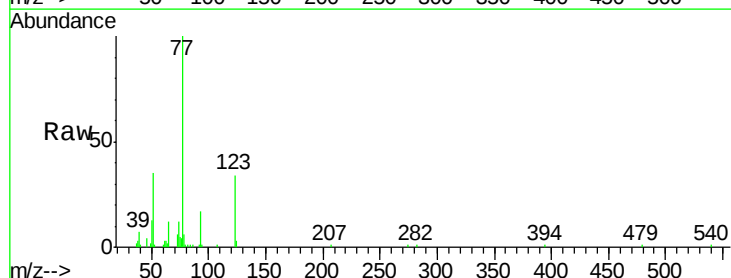
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

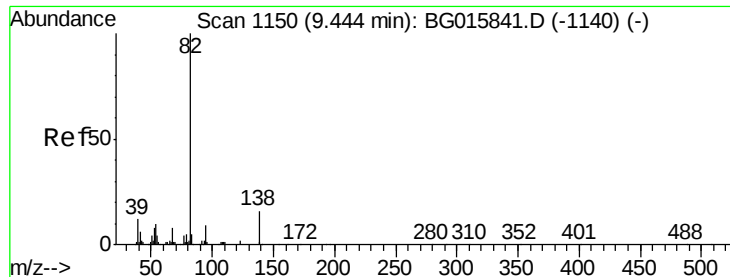
Tgt Ion: 82 Resp: 197401
 Ion Ratio Lower Upper
 82 100
 128 30.6 23.4 35.0
 54 41.0 32.3 48.5



#24
 Nitrobenzene
 Concen: 16.72 ng
 RT: 8.93 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: BG015851.D
 Acq: 5 Jan 2015 20:10

Tgt Ion: 77 Resp: 41949
 Ion Ratio Lower Upper
 77 100
 123 34.3 27.0 40.4
 65 12.2 12.0 18.0





#25

Isophorone

Concen: 16.63 ng

RT: 9.44 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

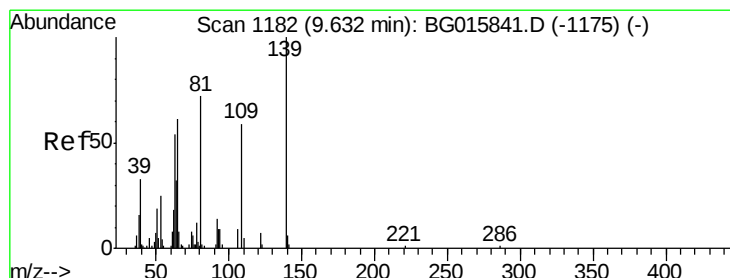
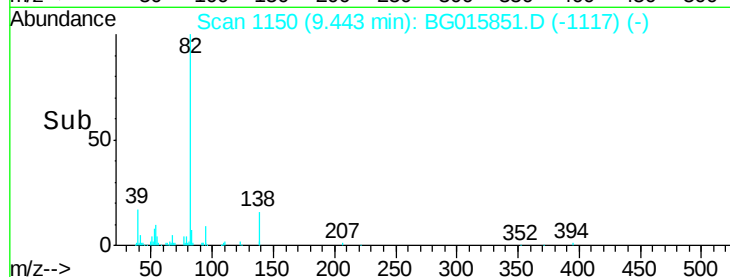
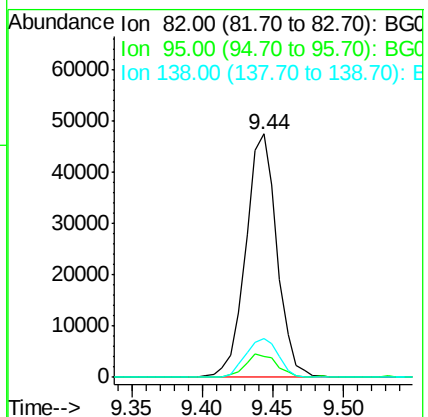
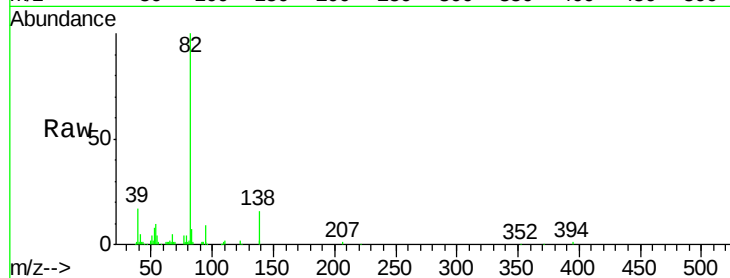
Tgt Ion: 82 Resp: 73453

Ion Ratio Lower Upper

82 100

95 8.7 7.5 11.3

138 16.1 12.6 18.8



#26

2-Nitrophenol

Concen: 14.88 ng

RT: 9.63 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

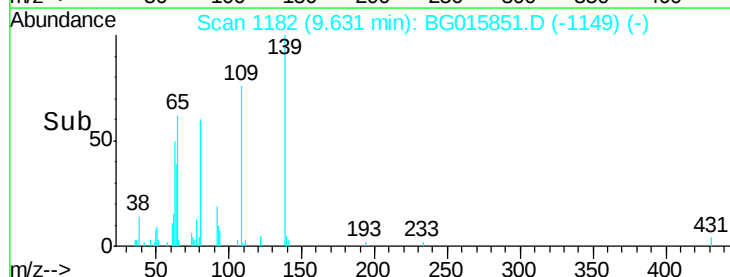
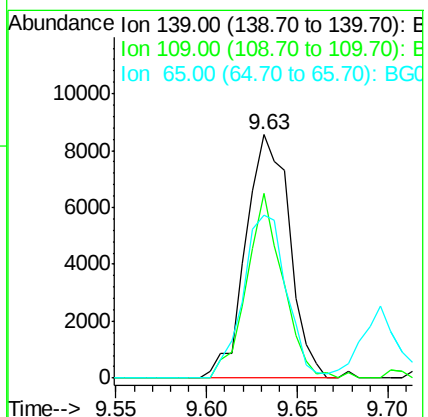
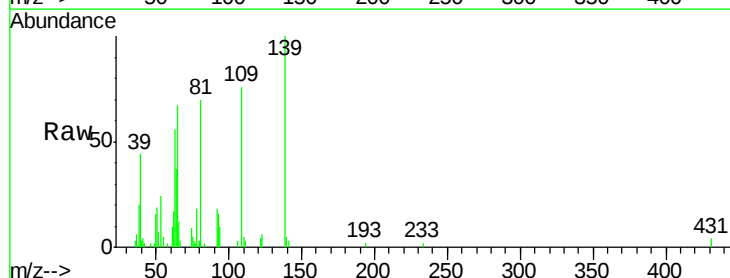
Tgt Ion: 139 Resp: 14300

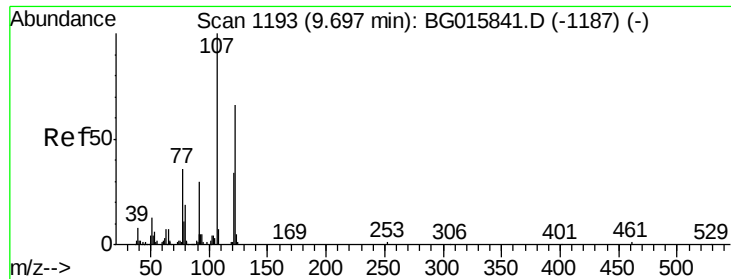
Ion Ratio Lower Upper

139 100

109 72.3 47.0 70.4#

65 63.7 48.5 72.7

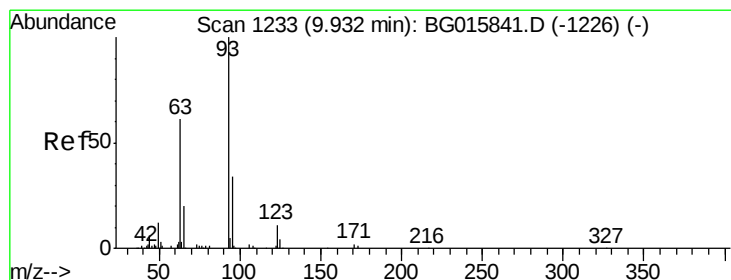
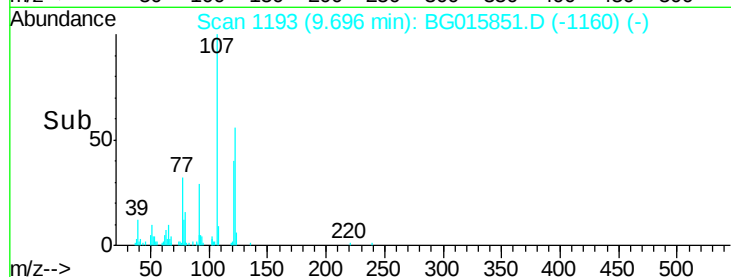
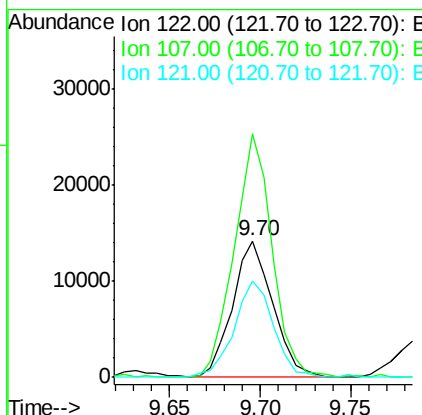
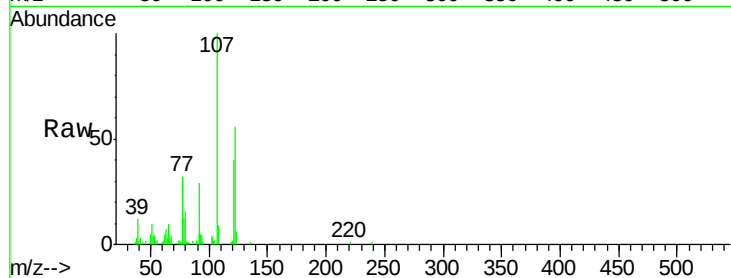




#27
2,4-Dimethylphenol
Concen: 13.60 ng
RT: 9.70 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

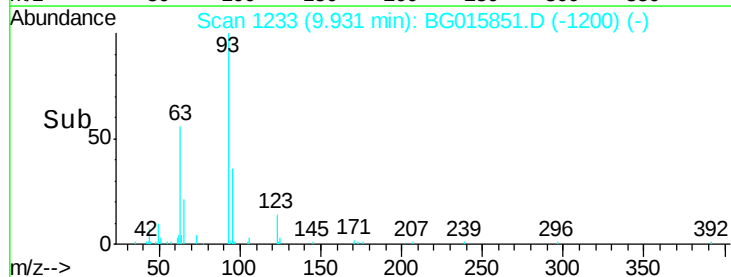
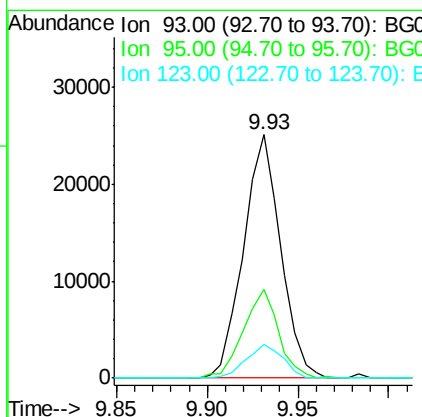
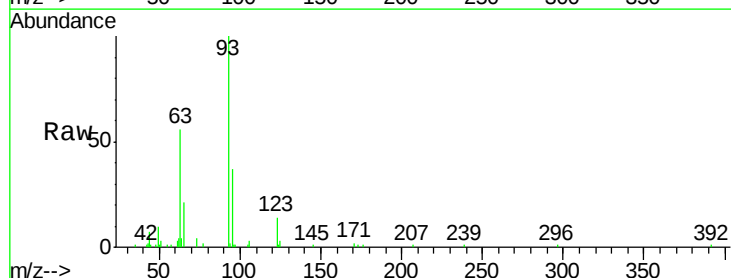
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

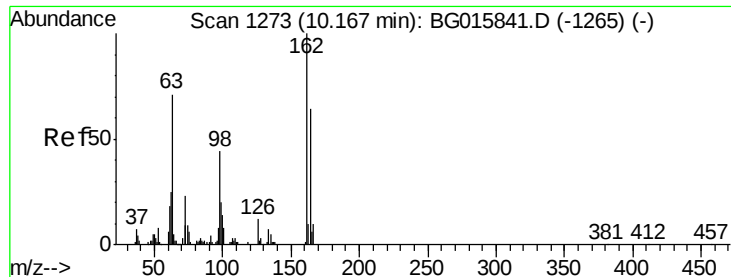
Tgt Ion:122 Resp: 21861
Ion Ratio Lower Upper
122 100
107 178.5 120.8 181.2
121 70.8 41.2 61.8#



#28
bis(2-Chloroethoxy)methane
Concen: 16.51 ng
RT: 9.93 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

Tgt Ion: 93 Resp: 35966
Ion Ratio Lower Upper
93 100
95 36.6 27.5 41.3
123 13.7 9.1 13.7#

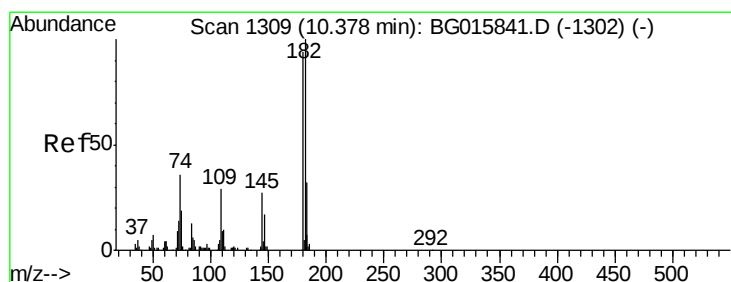
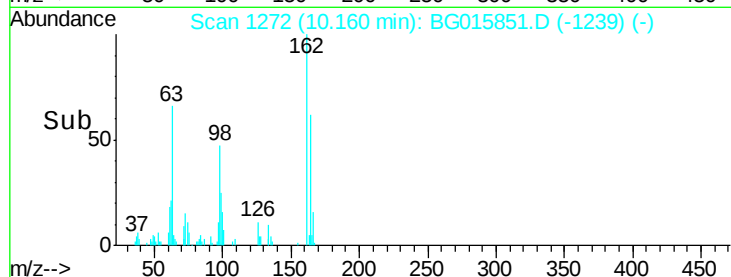
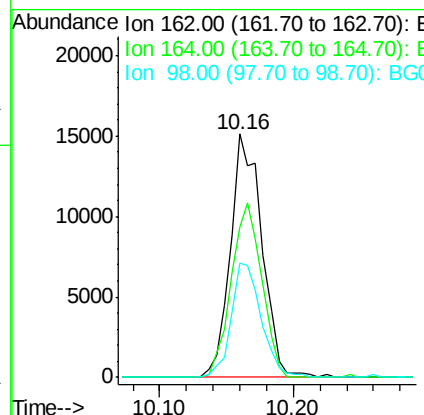
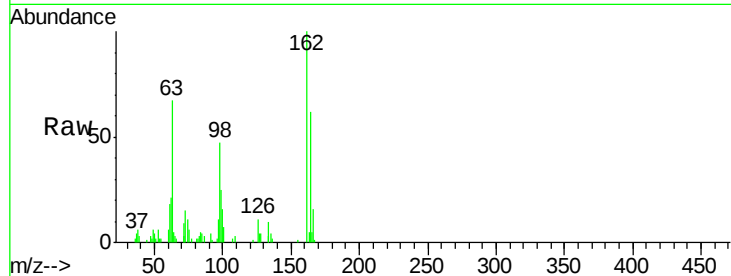




#29
2,4-Dichlorophenol
Concen: 15.31 ng
RT: 10.16 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

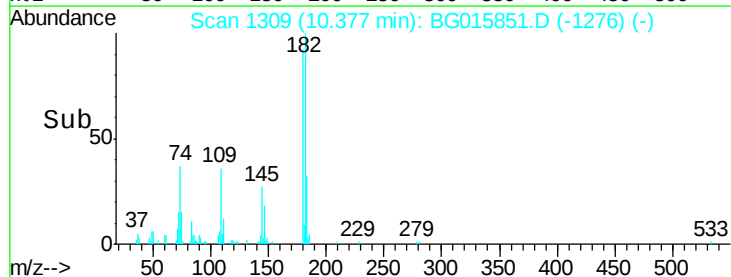
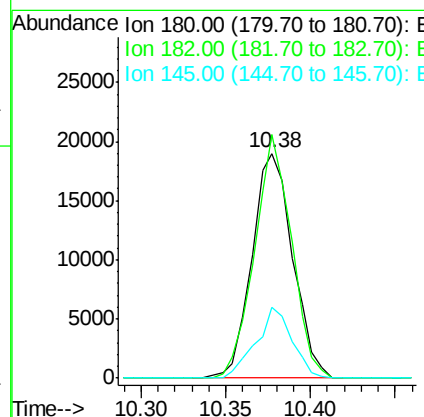
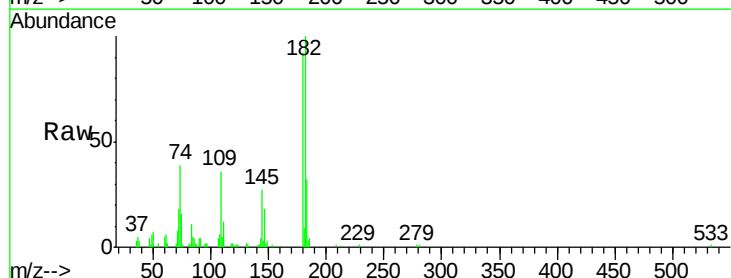
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

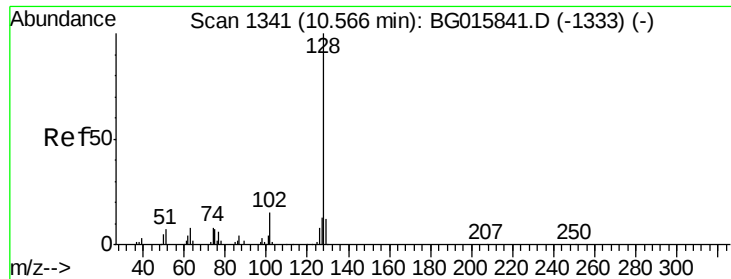
Tgt Ion	Ratio	Lower	Upper
162	100		
164	61.5	44.0	84.0
98	46.9	24.2	64.2



#30
1,2,4-Trichlorobenzene
Concen: 14.94 ng
RT: 10.38 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	114.6	84.8	127.2
145	31.7	22.8	34.2

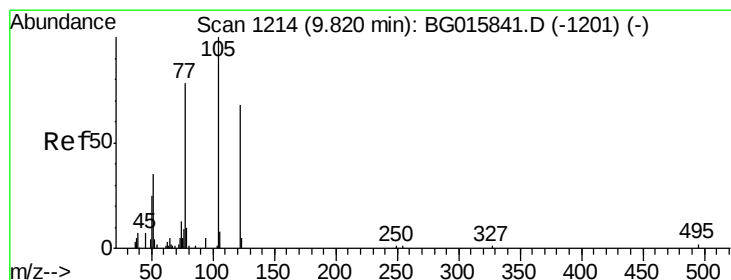
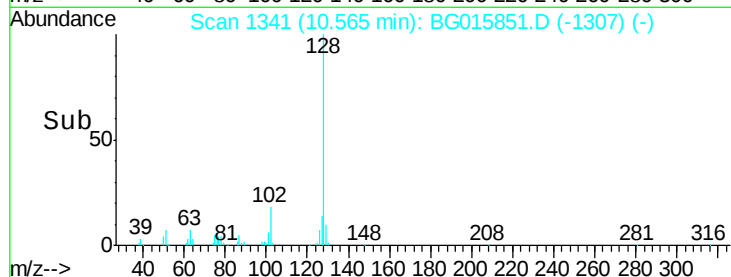
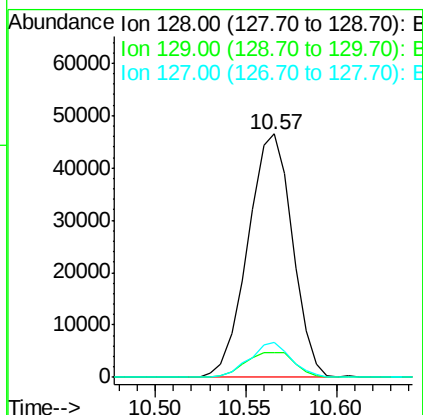
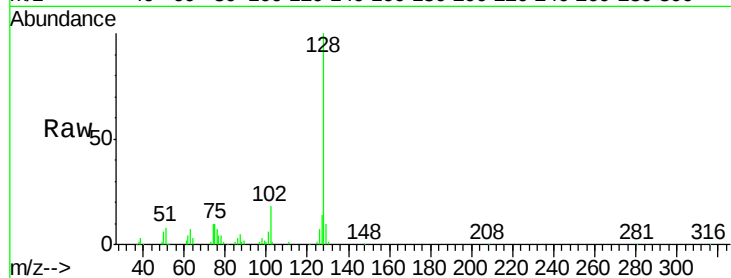




#31
Naphthalene
Concen: 15.30 ng
RT: 10.57 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

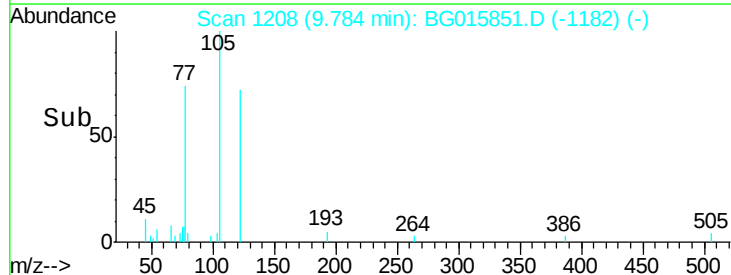
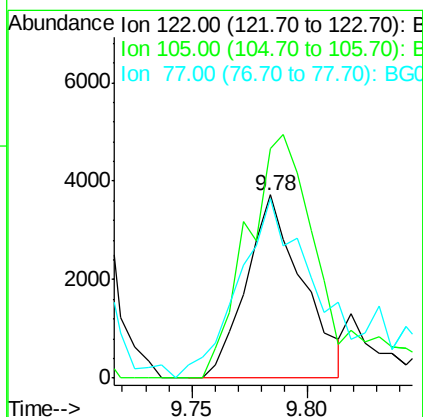
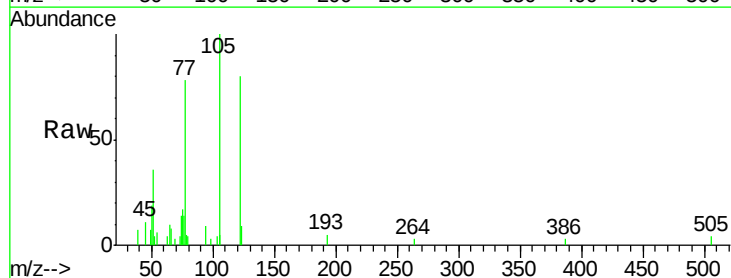
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

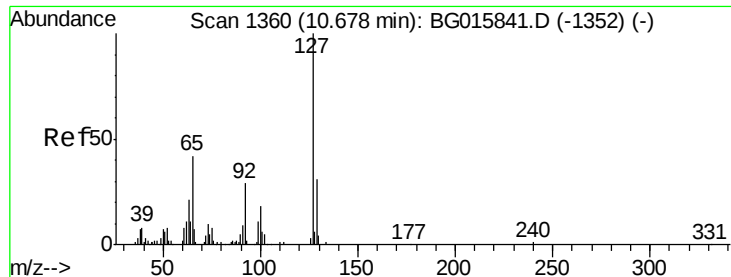
Tgt Ion:128 Resp: 79158
Ion Ratio Lower Upper
128 100
129 10.1 9.4 14.2
127 14.4 10.6 15.8



#32
Benzoic acid
Concen: 8.47 ng
RT: 9.78 min Scan# 1208
Delta R.T. -0.04 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

Tgt Ion:122 Resp: 6274
Ion Ratio Lower Upper
122 100
105 125.6 123.7 163.7
77 97.9 92.4 132.4

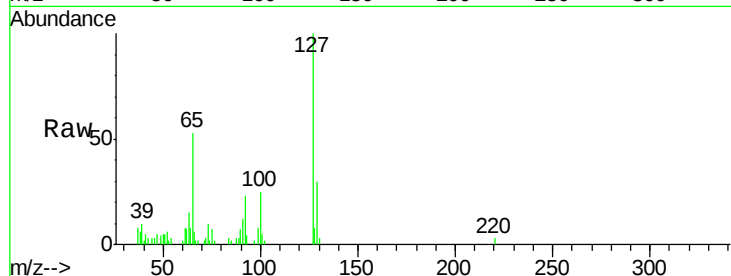




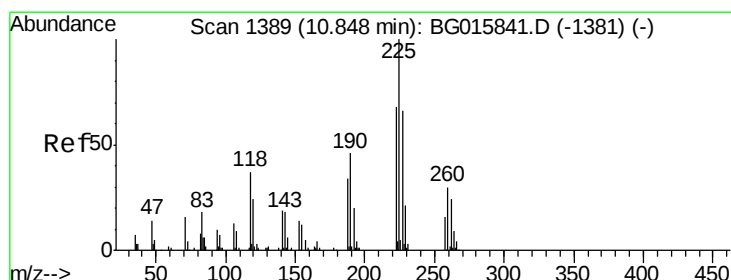
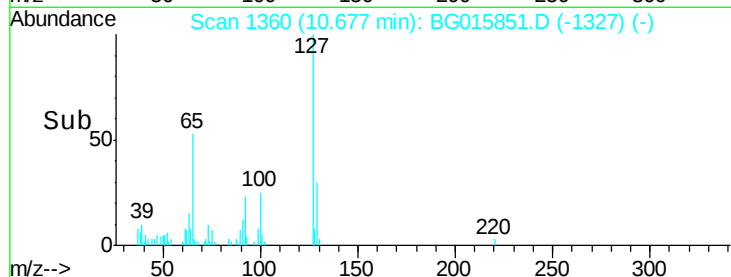
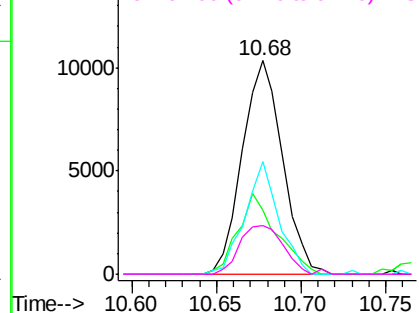
#33
4-Chloroaniline
Concen: 8.14 ng
RT: 10.68 min Scan# 1360
Delta R.T. -0.00 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:	127	Resp:	17158
Ion	Ratio	Lower	Upper
127	100		
129	29.7	25.0	37.6
65	52.9	33.3	49.9#
92	22.8	22.8	34.2

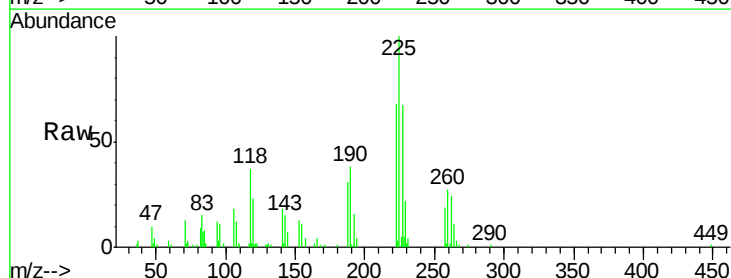


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

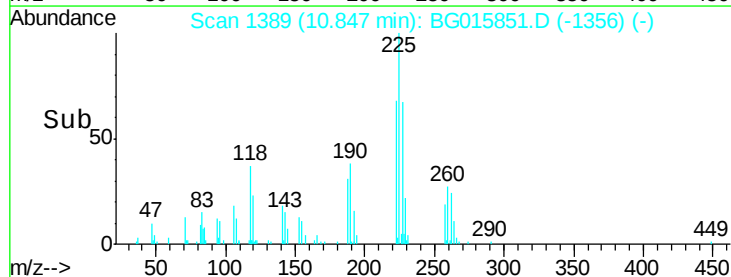
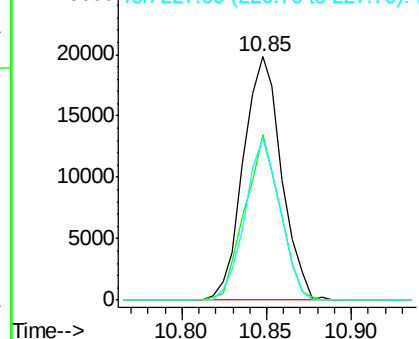


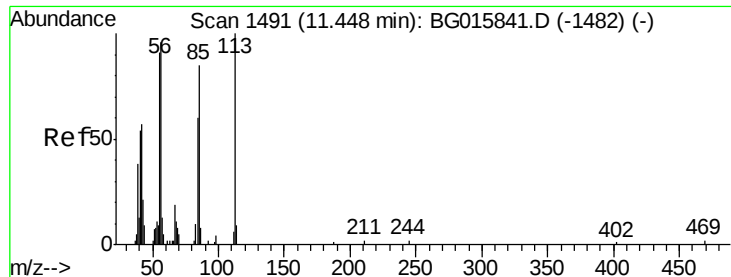
#34
Hexachlorobutadiene
Concen: 15.71 ng
RT: 10.85 min Scan# 1389
Delta R.T. -0.00 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

Tgt Ion:	225	Resp:	31074
Ion	Ratio	Lower	Upper
225	100		
223	71.1	54.6	81.8
227	71.2	50.4	75.6



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: 14.56 ng

RT: 11.44 min Scan# 1489

Delta R.T. -0.02 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

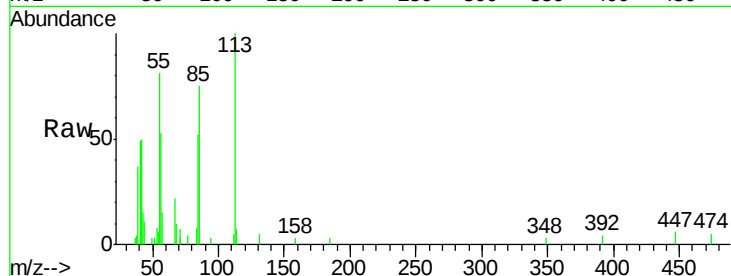
Tgt Ion:113 Resp: 10403

Ion Ratio Lower Upper

113 100

55 81.4 71.3 111.3

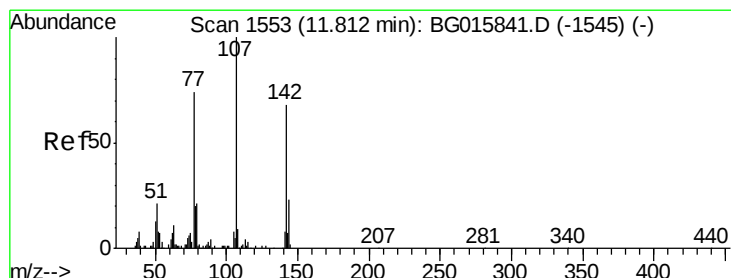
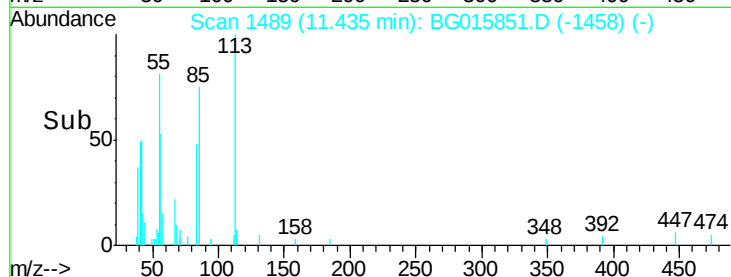
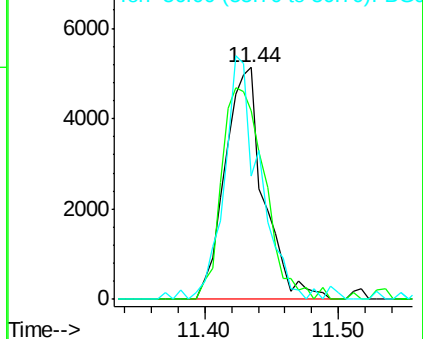
56 53.0 76.0 116.0#



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: 15.52 ng

RT: 11.81 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

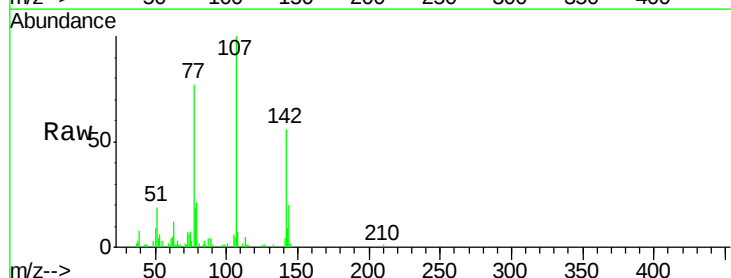
Tgt Ion:107 Resp: 32850

Ion Ratio Lower Upper

107 100

144 20.1 18.2 27.2

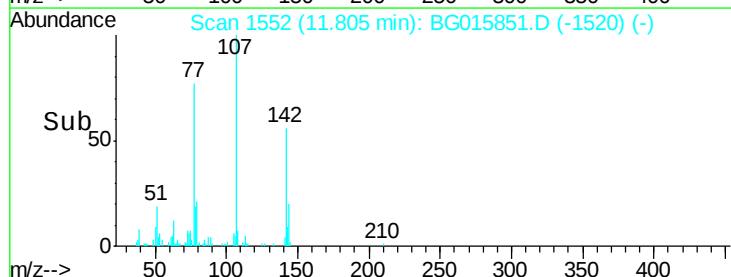
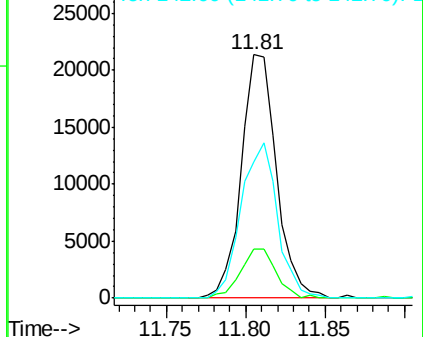
142 55.7 54.7 82.1

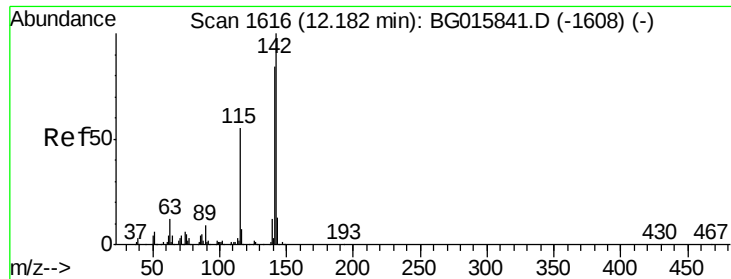


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

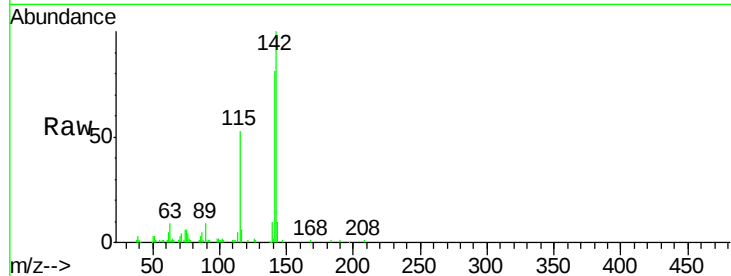




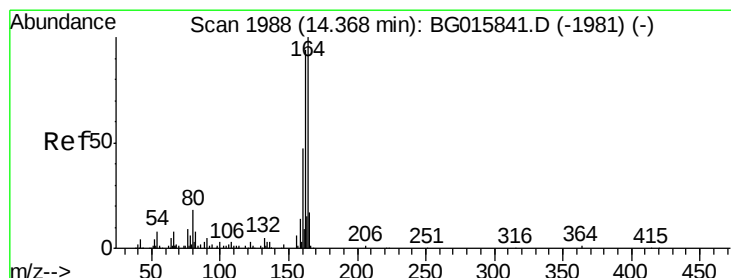
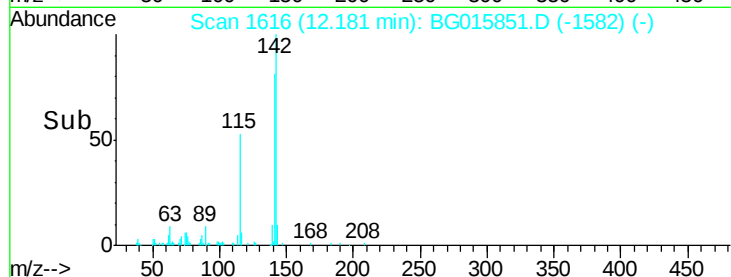
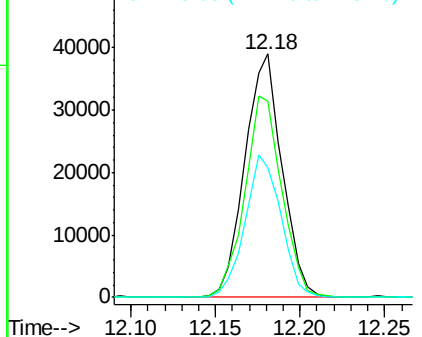
#37
 2-Methylnaphthalene
 Concen: 15.43 ng
 RT: 12.18 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BG015851.D
 Acq: 5 Jan 2015 20:10

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:142 Resp: 59782
 Ion Ratio Lower Upper
 142 100
 141 80.7 67.3 100.9
 115 53.4 44.3 66.5

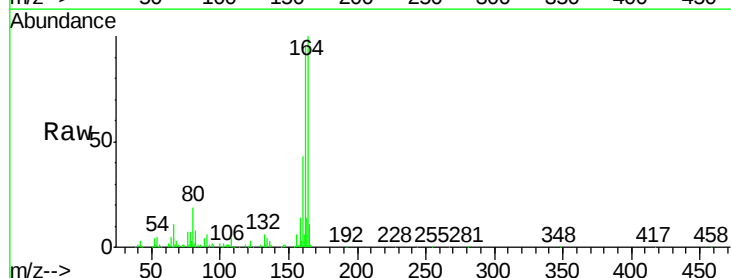


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

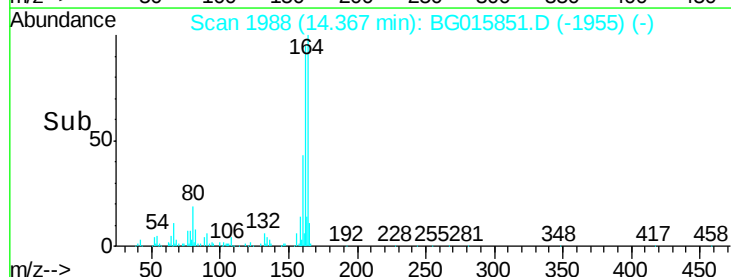
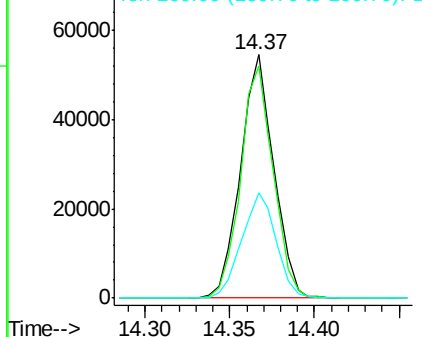


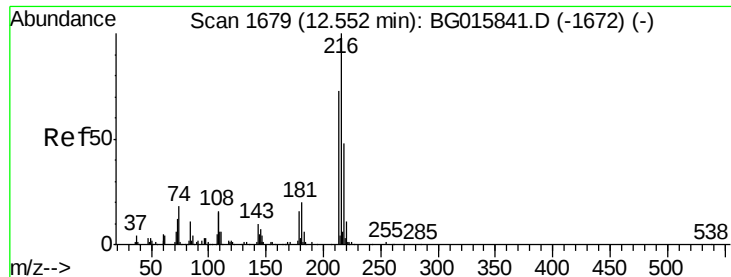
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.37 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: BG015851.D
 Acq: 5 Jan 2015 20:10

Tgt Ion:164 Resp: 74758
 Ion Ratio Lower Upper
 164 100
 162 95.2 75.5 113.3
 160 43.0 37.4 56.0



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

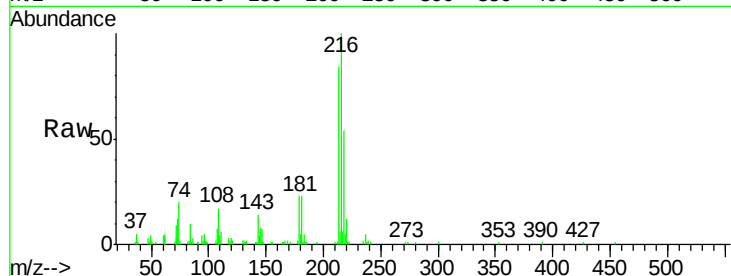




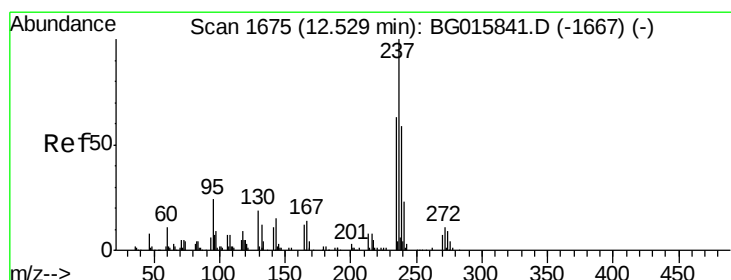
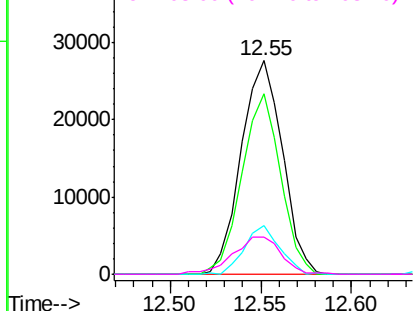
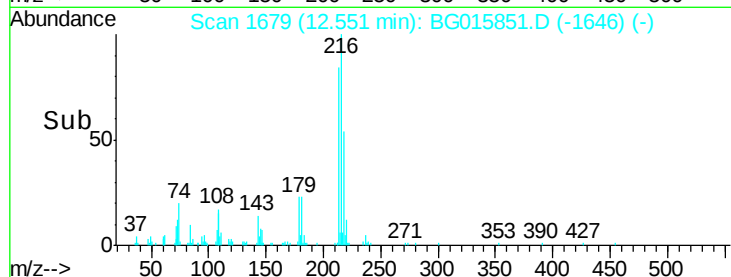
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 15.68 ng
 RT: 12.55 min Scan# 1679
 Delta R.T. -0.00 min
 Lab File: BG015851.D
 Acq: 5 Jan 2015 20:10

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:	216	Resp:	43592
Ion	Ratio	Lower	Upper
216	100		
214	79.3	61.5	92.3
179	19.5	15.8	23.8
108	20.6	17.8	26.6

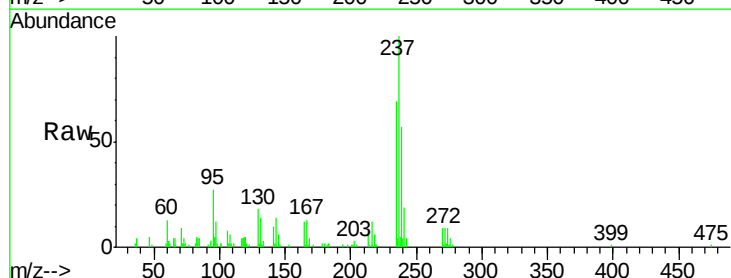


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

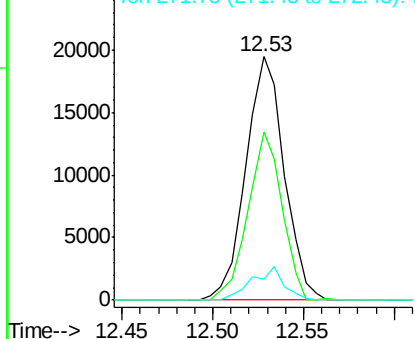
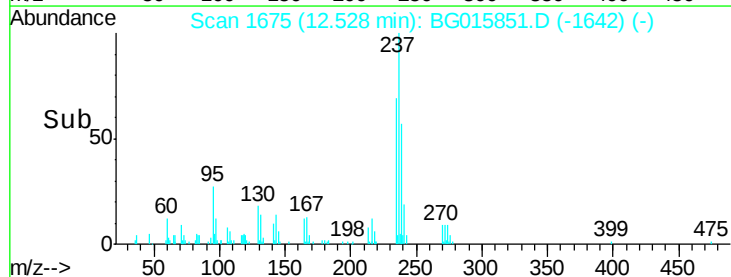


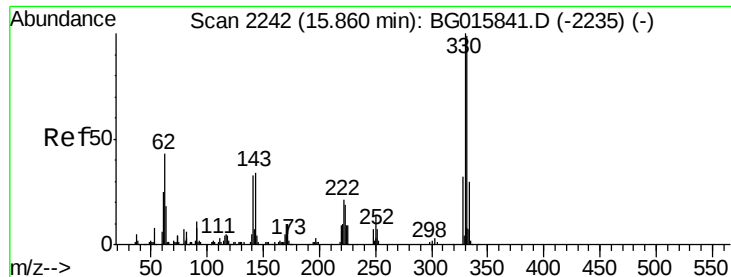
#40
 Hexachlorocyclopentadiene
 Concen: 15.43 ng
 RT: 12.53 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: BG015851.D
 Acq: 5 Jan 2015 20:10

Tgt Ion:	237	Resp:	28540
Ion	Ratio	Lower	Upper
237	100		
235	68.8	43.2	83.2
272	8.8	0.0	31.1



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

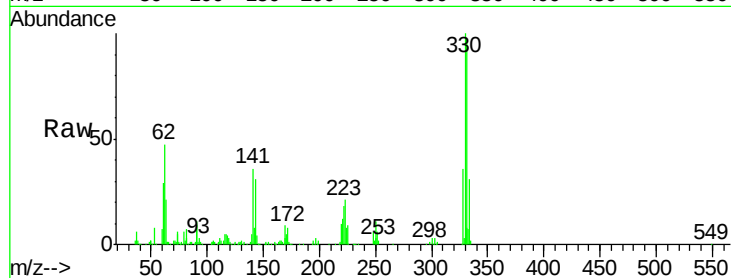




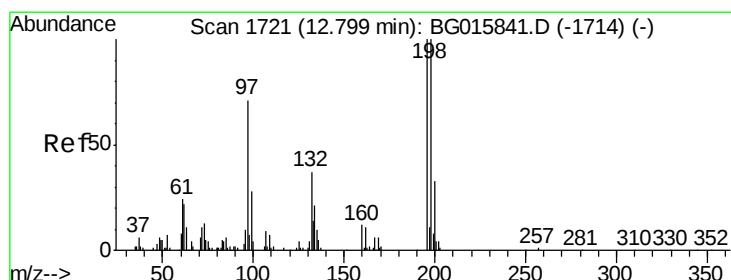
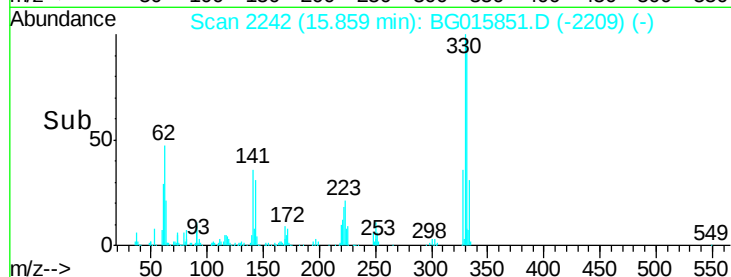
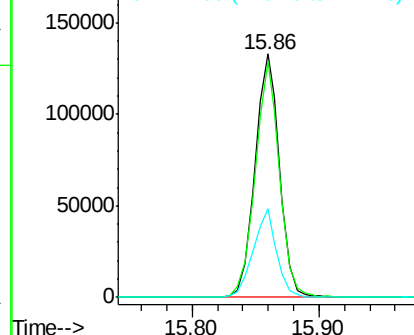
#41
 2,4,6-Tribromophenol
 Concen: 62.89 ng
 RT: 15.86 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: BG015851.D
 Acq: 5 Jan 2015 20:10

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:330 Resp: 178734
 Ion Ratio Lower Upper
 330 100
 332 96.4 73.8 110.8
 141 34.5 27.2 40.8

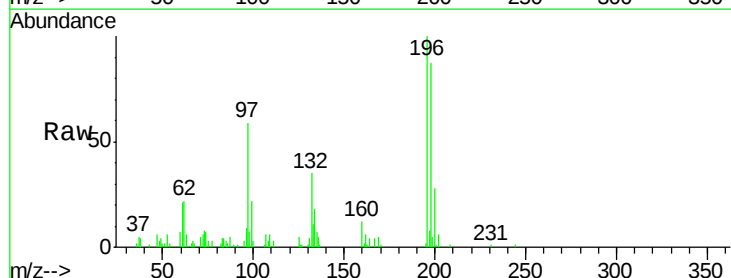


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

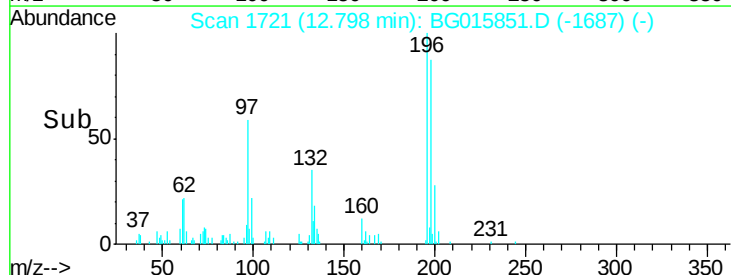
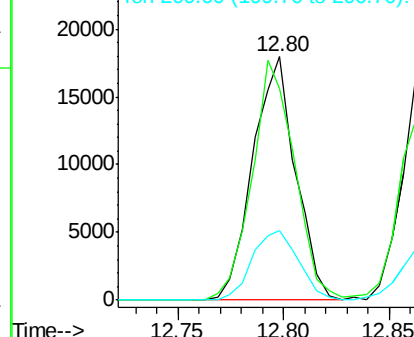


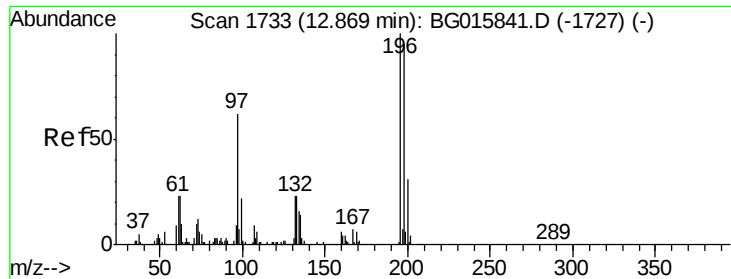
#42
 2,4,6-Trichlorophenol
 Concen: 14.78 ng
 RT: 12.80 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: BG015851.D
 Acq: 5 Jan 2015 20:10

Tgt Ion:196 Resp: 25219
 Ion Ratio Lower Upper
 196 100
 198 86.7 80.2 120.4
 200 29.6 26.7 40.1



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

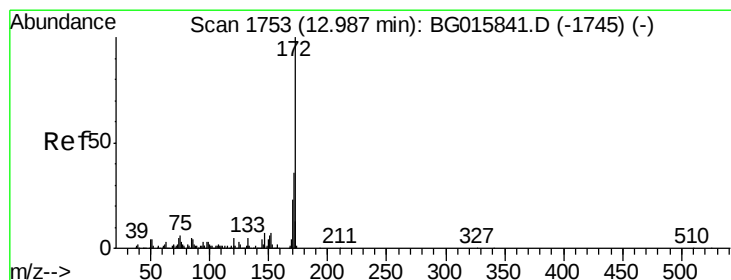
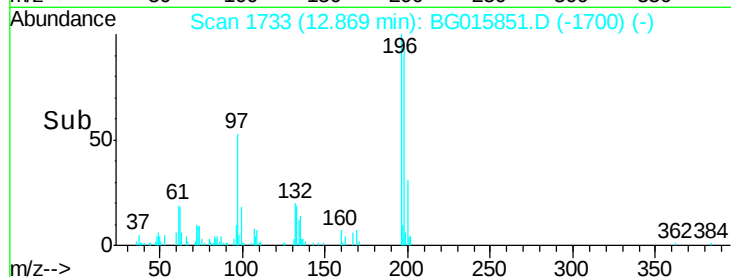
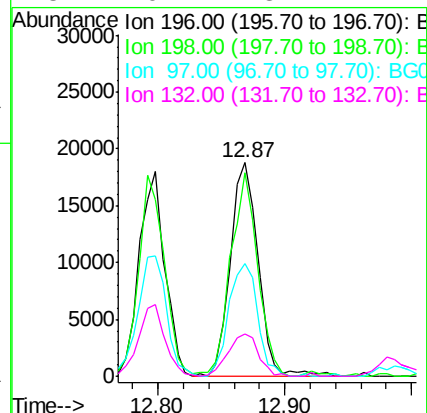
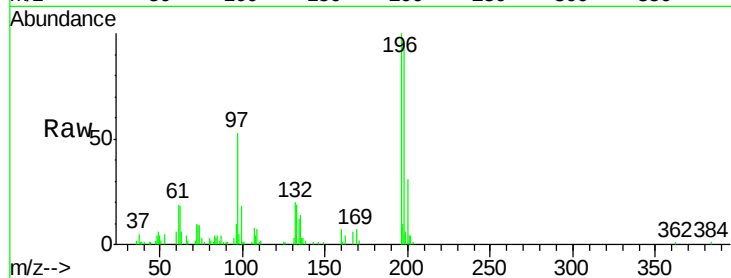




#43
 2,4,5-Trichlorophenol
 Concen: 15.21 ng
 RT: 12.87 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BG015851.D
 Acq: 5 Jan 2015 20:10

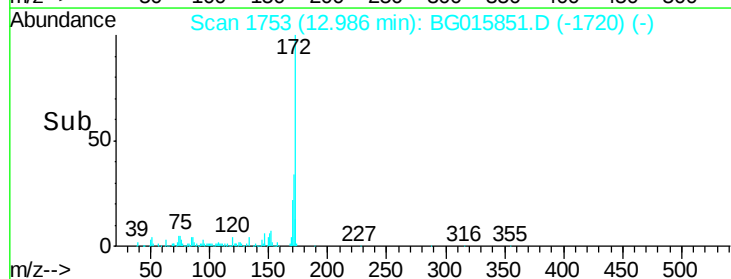
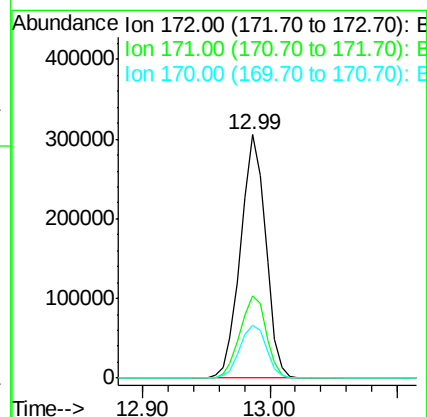
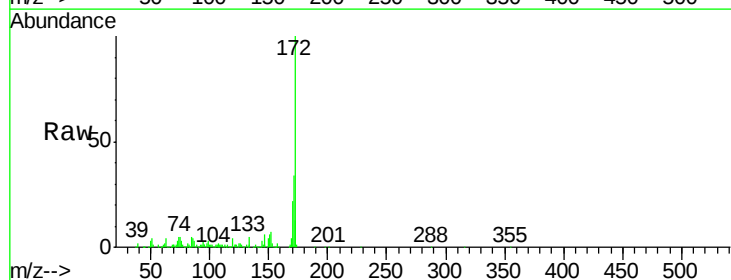
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

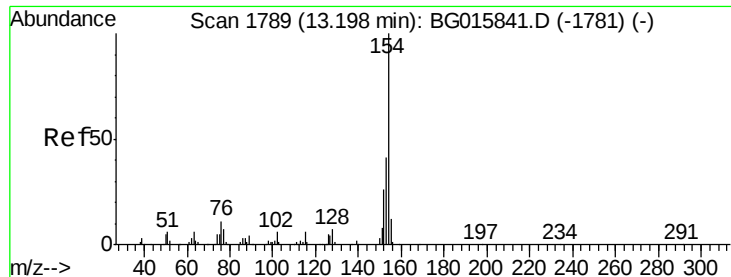
Tgt Ion:196 Resp: 28421
 Ion Ratio Lower Upper
 196 100
 198 95.5 76.2 114.4
 97 52.8 49.6 74.4
 132 19.7 18.2 27.2



#44
 2-Fluorobiphenyl
 Concen: 39.91 ng
 RT: 12.99 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: BG015851.D
 Acq: 5 Jan 2015 20:10

Tgt Ion:172 Resp: 417716
 Ion Ratio Lower Upper
 172 100
 171 34.0 28.6 43.0
 170 22.0 18.2 27.4

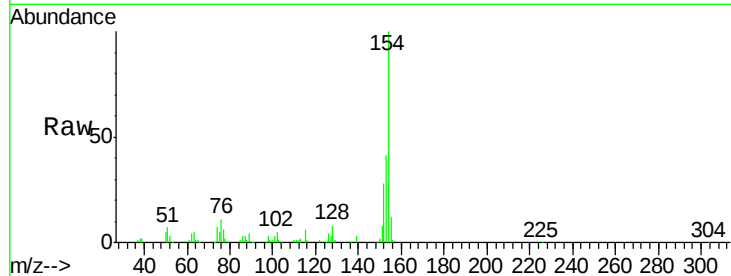




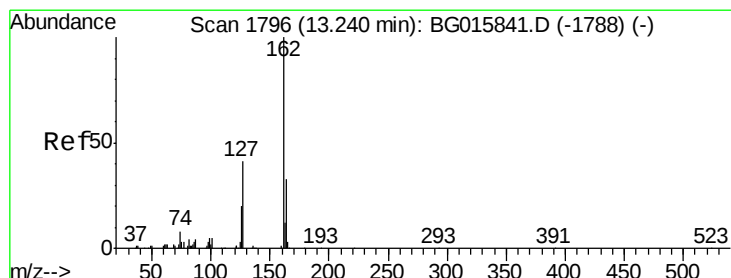
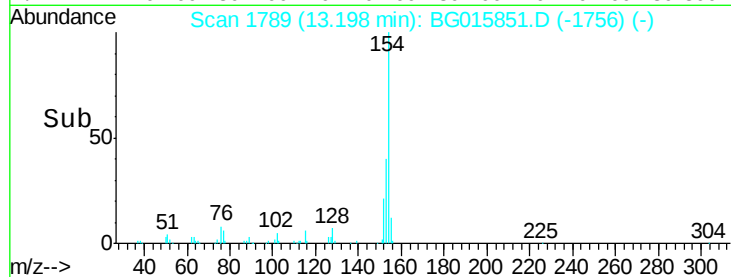
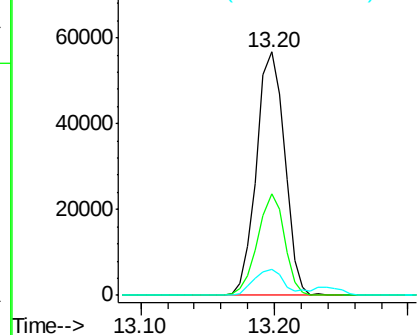
#45
 1,1'-Biphenyl
 Concen: 15.39 ng
 RT: 13.20 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: BG015851.D
 Acq: 5 Jan 2015 20:10

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.9	60.9
76	10.9	0.0	30.6

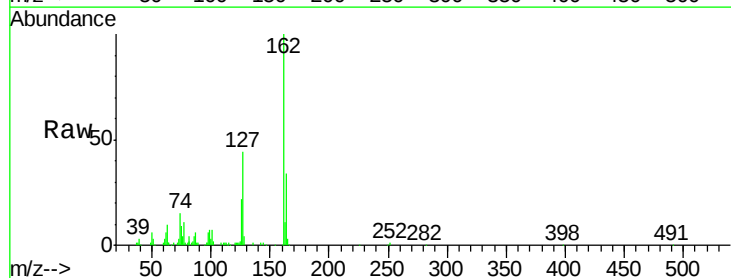


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

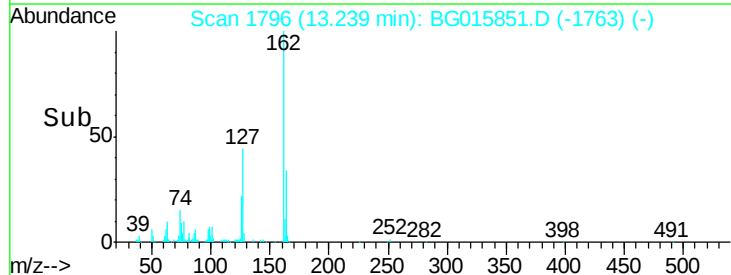
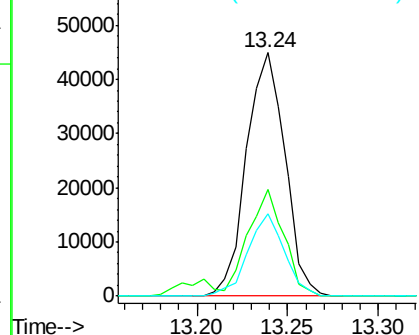


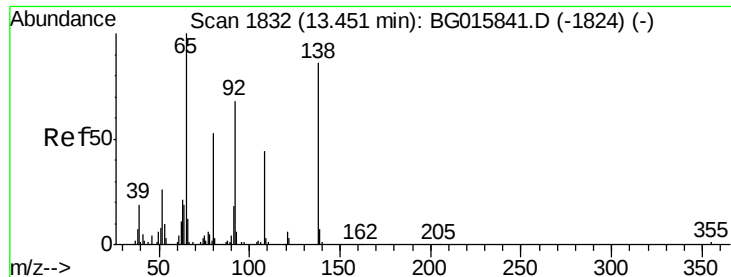
#46
 2-Chloronaphthalene
 Concen: 15.71 ng
 RT: 13.24 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: BG015851.D
 Acq: 5 Jan 2015 20:10

Tgt Ion	Ratio	Lower	Upper
162	100		
127	43.8	35.5	53.3
164	33.7	26.1	39.1



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: 15.76 ng

RT: 13.44 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

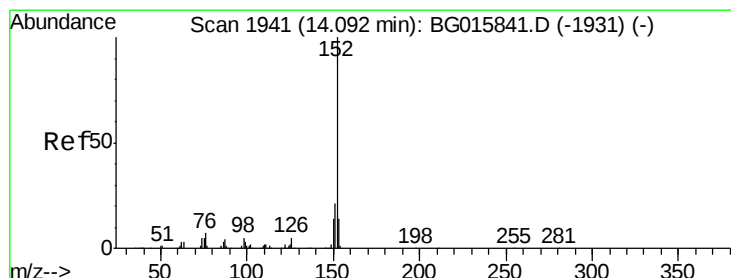
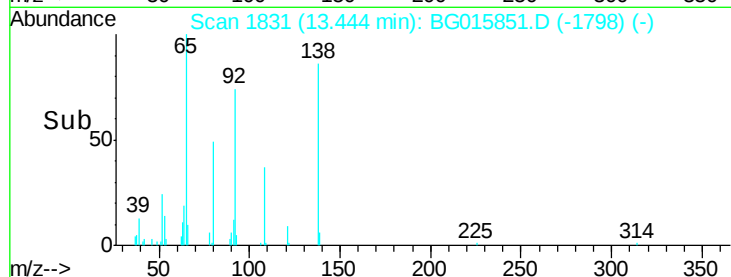
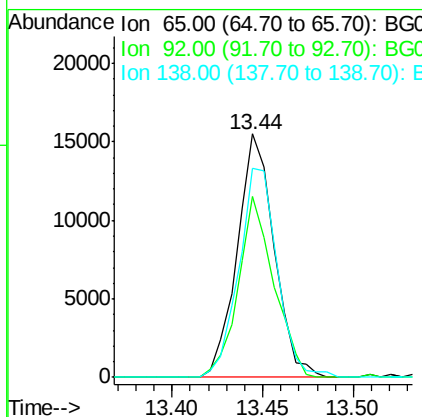
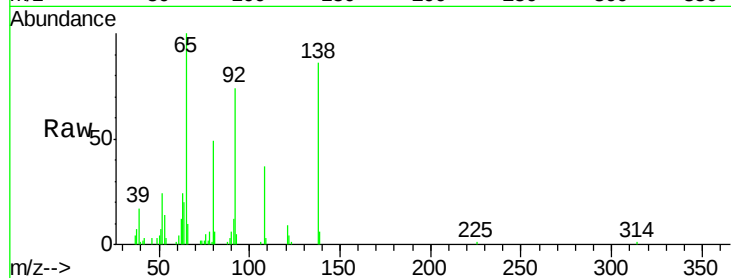
Tgt Ion: 65 Resp: 21929

Ion Ratio Lower Upper

65 100

92 74.4 54.6 81.8

138 85.7 68.4 102.6



#48

Acenaphthylene

Concen: 14.90 ng

RT: 14.08 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

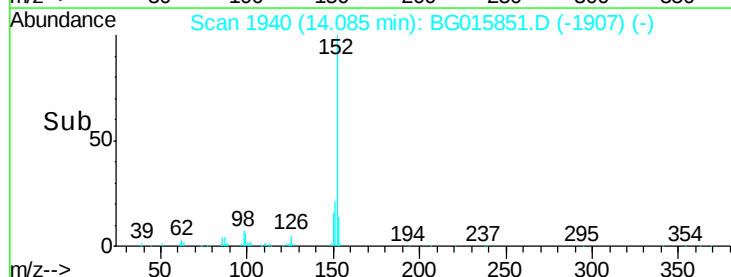
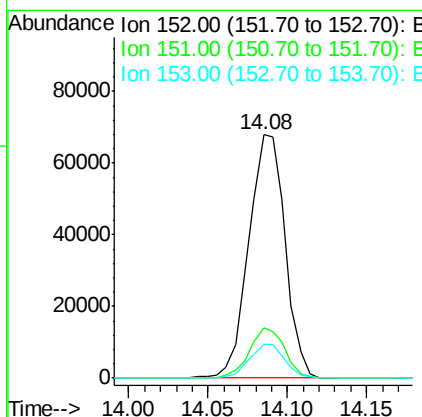
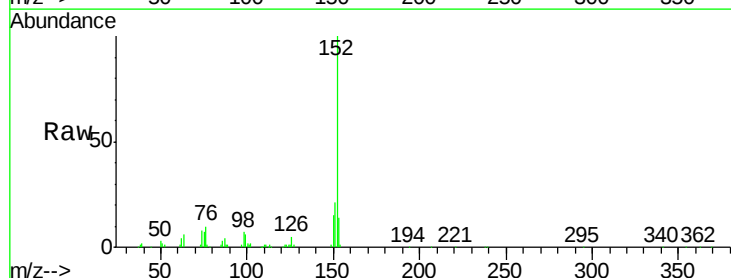
Tgt Ion: 152 Resp: 108433

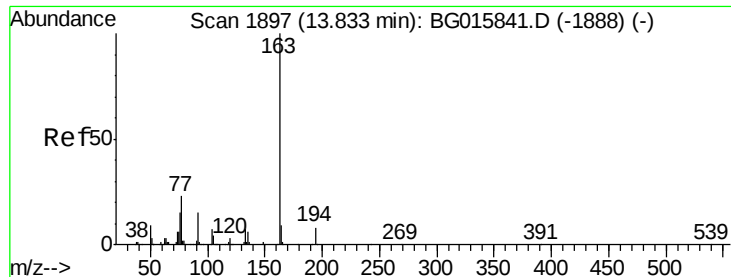
Ion Ratio Lower Upper

152 100

151 20.8 17.1 25.7

153 13.8 11.3 16.9





#49

Dimethylphthalate

Concen: 16.07 ng

RT: 13.83 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

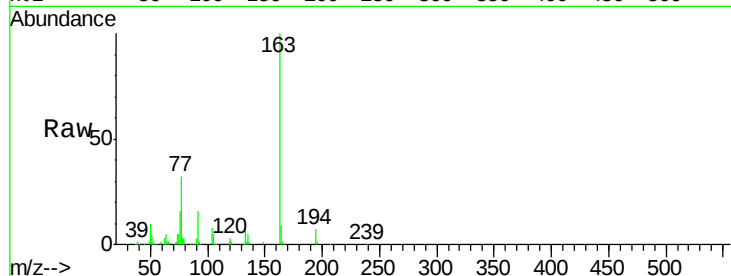
Tgt Ion:163 Resp: 88624

Ion Ratio Lower Upper

163 100

194 6.8 6.7 10.1

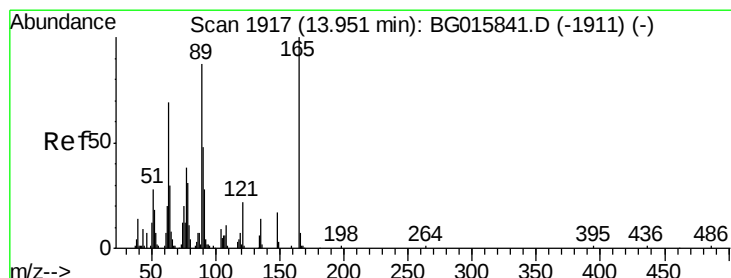
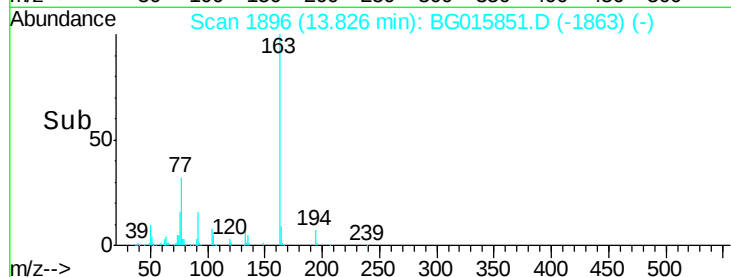
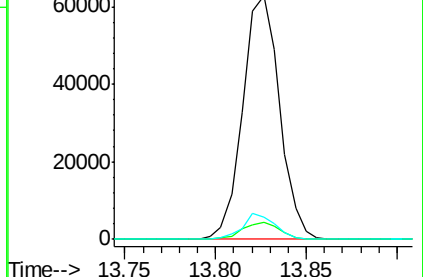
164 9.1 7.4 11.0



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: 16.52 ng

RT: 13.95 min Scan# 1917

Delta R.T. 0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

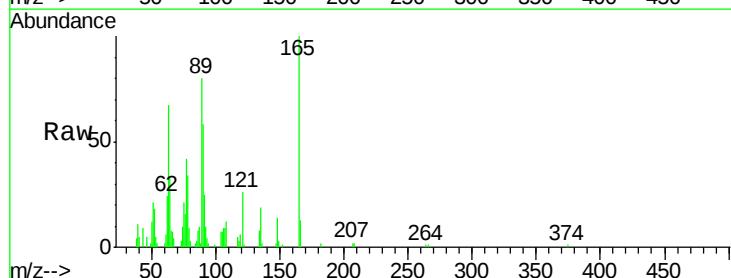
Tgt Ion:165 Resp: 19650

Ion Ratio Lower Upper

165 100

63 66.8 55.9 83.9

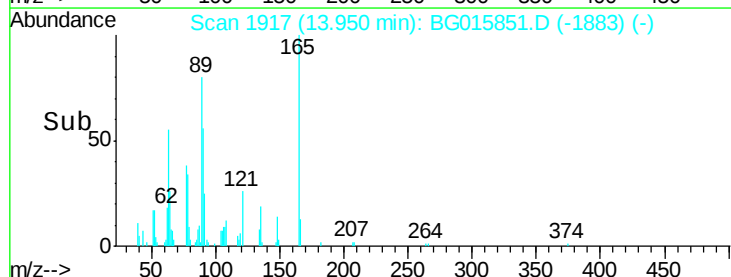
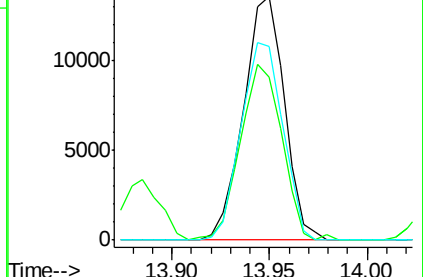
89 79.8 69.4 104.2

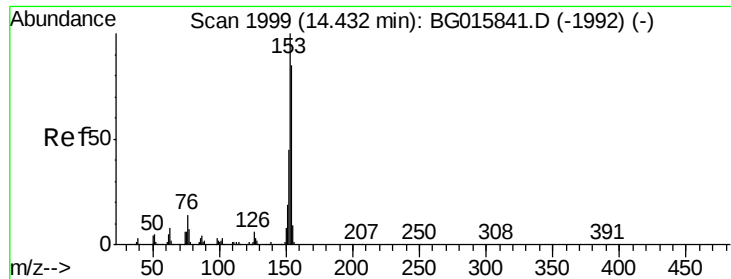


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#51

Acenaphthene

Concen: 15.41 ng

RT: 14.43 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

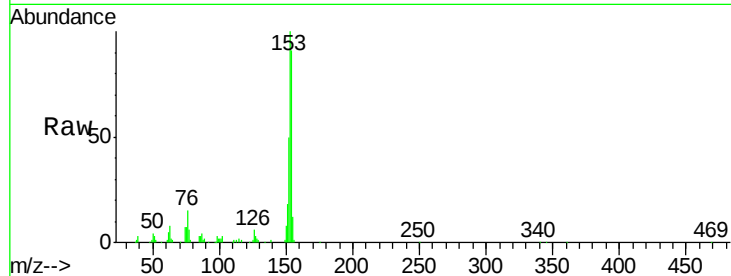
Tgt Ion:154 Resp: 65852

Ion Ratio Lower Upper

154 100

153 110.0 94.1 141.1

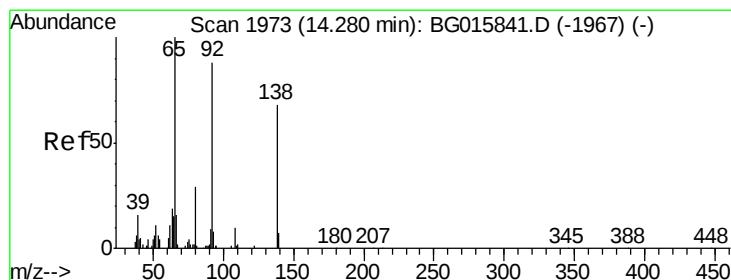
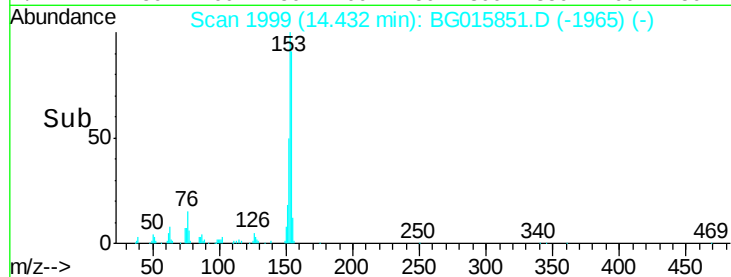
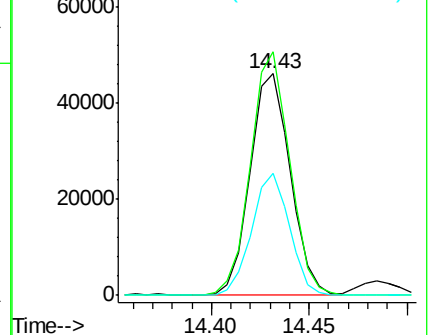
152 55.1 42.6 63.8



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: 12.37 ng

RT: 14.28 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BG015851.D

Acq: 5 Jan 2015 20:10

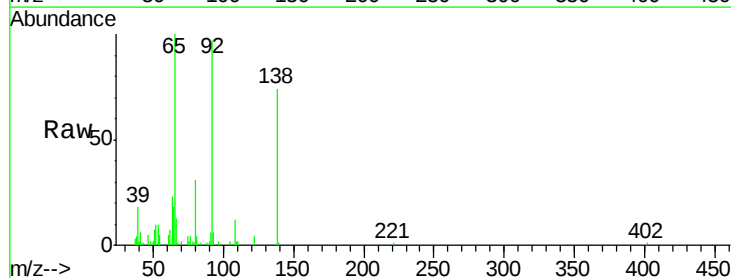
Tgt Ion:138 Resp: 13995

Ion Ratio Lower Upper

138 100

108 16.0 11.9 17.9

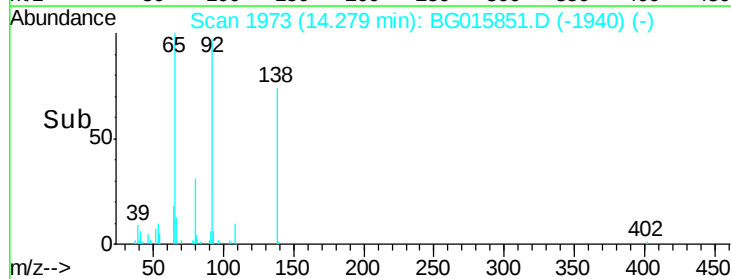
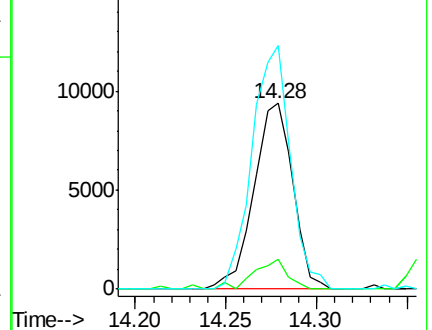
92 131.1 103.7 155.5

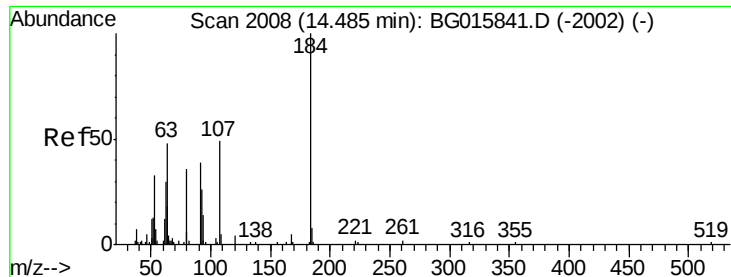


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

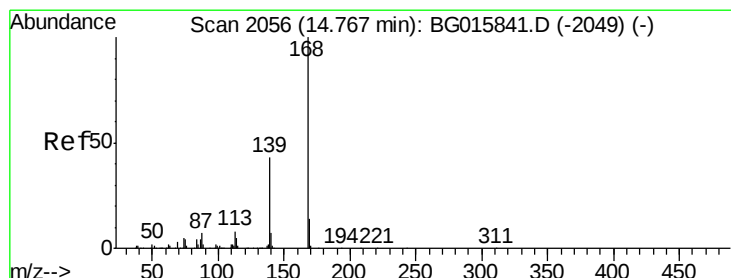
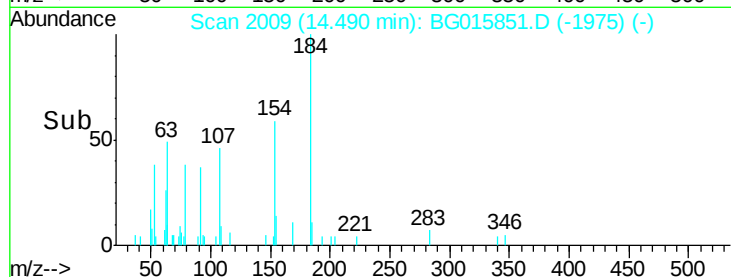
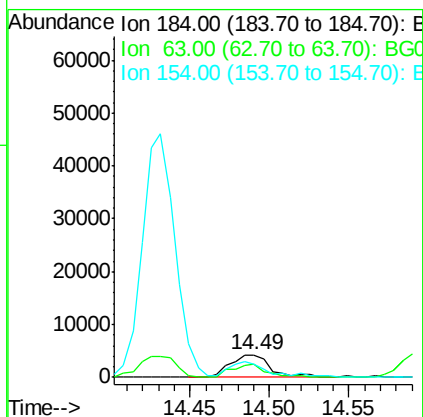
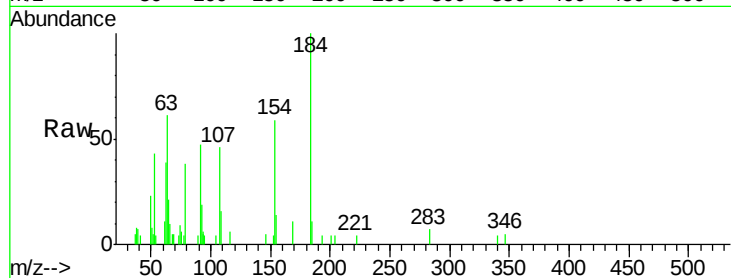




#53
2,4-Dinitrophenol
Concen: 11.46 ng
RT: 14.49 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

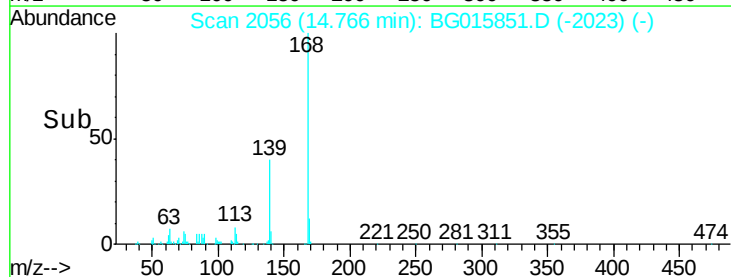
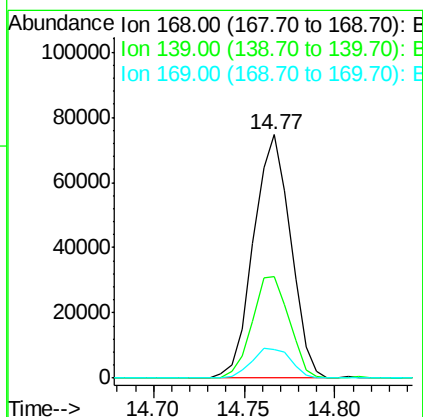
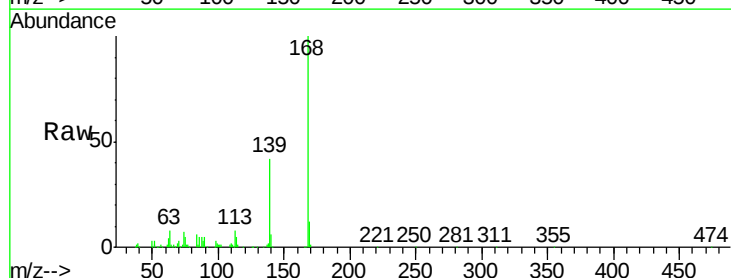
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

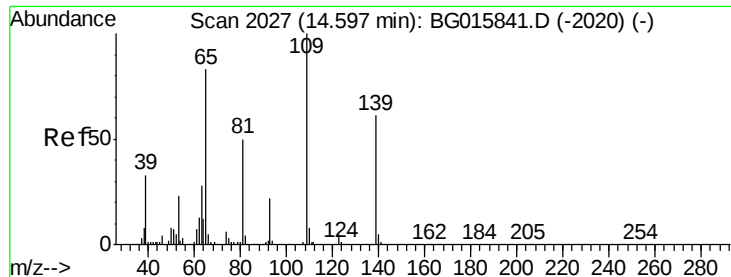
Tgt Ion:184 Resp: 7566
Ion Ratio Lower Upper
184 100
63 61.0 47.3 70.9
154 59.2 56.9 85.3



#54
Dibenzofuran
Concen: 15.29 ng
RT: 14.77 min Scan# 2056
Delta R.T. -0.00 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

Tgt Ion:168 Resp: 105989
Ion Ratio Lower Upper
168 100
139 41.9 34.3 51.5
169 11.5 10.9 16.3

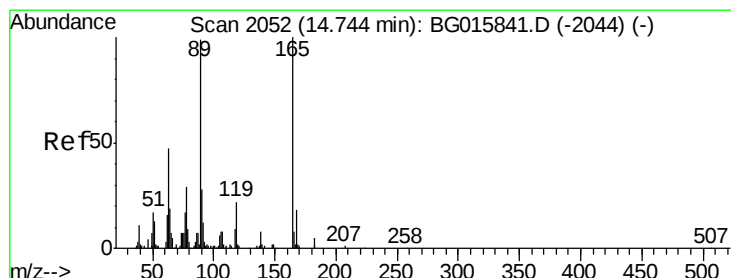
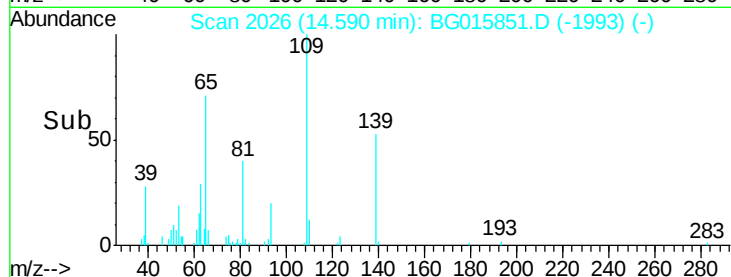
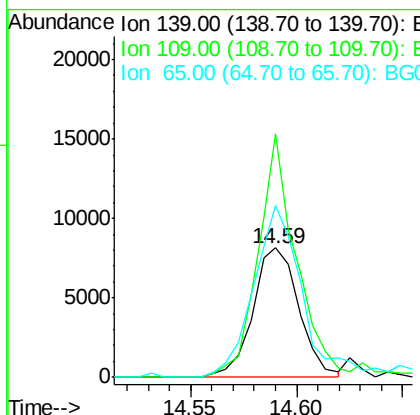
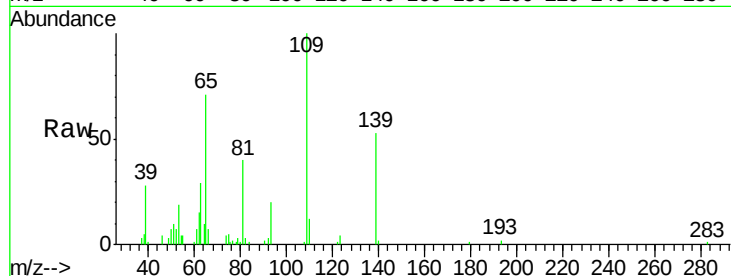




#55
4-Nitrophenol
Concen: 13.24 ng
RT: 14.59 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:139 Resp: 12340
Ion Ratio Lower Upper
139 100
109 188.1 144.0 184.0#
65 132.7 115.4 155.4



#56
2,4-Dinitrotoluene
Concen: 17.29 ng
RT: 14.74 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BG015851.D
Acq: 5 Jan 2015 20:10

Tgt Ion:165 Resp: 29633
Ion Ratio Lower Upper
165 100
63 51.5 37.9 56.9
89 73.6 78.9 118.3#
182 6.0 4.4 6.6

