

Data Path : Z:\HPCHEM1\BNA_G\Data\BG040615\
 Data File : BG016232.D
 Acq On : 6 Apr 2015 20:15
 Operator : TP/IZ
 Sample : G1614-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

Quant Time: Apr 07 05:04:40 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 07 04:17:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	58537	20.00	ng	0.00
21) Naphthalene-d8	10.49	136	271265	20.00	ng	0.00
38) Acenaphthene-d10	14.34	164	156949	20.00	ng	0.00
63) Phenanthrene-d10	17.08	188	340322	20.00	ng	0.00
75) Chrysene-d12	21.25	240	346264	20.00	ng	0.00
86) Perylene-d12	23.51	264	305712	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.28	112	676904	182.50	ng	0.00
7) Phenol-d6	6.88	99	957717	172.00	ng	0.00
23) Nitrobenzene-d5	8.86	82	506973	108.27	ng	0.00
41) 2,4,6-Tribromophenol	15.83	330	191262	180.19	ng	0.00
44) 2-Fluorobiphenyl	12.96	172	1019951	110.64	ng	0.00
78) Terphenyl-d14	19.71	244	1386843	93.74	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.18	88	31859	18.89	ng	97
3) Pyridine	3.57	79	87005	17.27	ng	97
4) n-Nitrosodimethylamine	3.49	42	30186	20.15	ng	95
6) Aniline	7.03	93	81517	10.25	ng	99
8) 2-Chlorophenol	7.27	128	103776	23.30	ng	98
9) Benzaldehyde	6.84	77	78999	24.22	ng	96
10) Phenol	6.90	94	139119	23.35	ng	99
11) bis(2-Chloroethyl)ether	7.13	93	97205	20.46	ng	98
12) 1,3-Dichlorobenzene	7.59	146	93315	20.75	ng	97
13) 1,4-Dichlorobenzene	7.74	146	94284	20.21	ng	99
14) 1,2-Dichlorobenzene	8.05	146	91458	20.50	ng	96
15) Benzyl Alcohol	7.94	79	82187	21.17	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.23	45	111287	20.80	ng	98
17) 2-Methylphenol	8.15	107	89063	22.29	ng	97
18) Hexachloroethane	8.77	117	35724	20.01	ng	96
19) n-Nitroso-di-n-propylamine	8.50	70	73345	18.38	ng	96
20) 3+4-Methylphenols	8.47	107	121108	21.89	ng	96
22) Acetophenone	8.52	105	135461	21.54	ng	# 99
24) Nitrobenzene	8.90	77	105363	21.04	ng	95
25) Isophorone	9.42	82	202383	19.46	ng	99
26) 2-Nitrophenol	9.60	139	51954	22.25	ng	96
27) 2,4-Dimethylphenol	9.67	122	95368	21.93	ng	99
28) bis(2-Chloroethoxy)methane	9.90	93	124457	20.97	ng	97
29) 2,4-Dichlorophenol	10.13	162	82112	23.86	ng	98
30) 1,2,4-Trichlorobenzene	10.35	180	76962	21.42	ng	100
31) Naphthalene	10.54	128	299023	21.15	ng	99
32) Benzoic acid	9.76	122	33439	18.37	ng	96
33) 4-Chloroaniline	10.65	127	57492	8.67	ng	97
34) Hexachlorobutadiene	10.82	225	32720	20.73	ng	97
35) Caprolactam	11.40	113	46061	21.26	ng	95
36) 4-Chloro-3-methylphenol	11.78	107	100754	22.16	ng	98
37) 2-Methylnaphthalene	12.15	142	214747	21.12	ng	98
39) 1,2,4,5-Tetrachlorobenzene	12.52	216	71529	20.70	ng	99
40) Hexachlorocyclopentadiene	12.50	237	32866	20.78	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.76	196	55833	21.74	ng	98
43) 2,4,5-Trichlorophenol	12.84	196	62818	22.90	ng	97
45) 1,1'-Biphenyl	13.17	154	263610	21.89	ng	97
46) 2-Chloronaphthalene	13.21	162	197298	21.51	ng	99
47) 2-Nitroaniline	13.42	65	63180	21.37	ng	96
48) Acenaphthylene	14.06	152	348874	21.39	ng	98
49) Dimethylphthalate	13.80	163	250858	21.81	ng	98
50) 2,6-Dinitrotoluene	13.92	165	61811	22.22	ng	98
51) Acenaphthene	14.40	154	209150	21.46	ng	99
52) 3-Nitroaniline	14.25	138	47225	13.29	ng	92
53) 2,4-Dinitrophenol	14.46	184	11108	14.45	ng	96
54) Dibenzofuran	14.74	168	303434	22.44	ng	97
55) 4-Nitrophenol	14.56	139	63606	21.66	ng	97
56) 2,4-Dinitrotoluene	14.70	165	85651	22.60	ng	97
57) Fluorene	15.39	166	264739	22.19	ng	100
58) 2,3,4,6-Tetrachlorophenol	14.96	232	47858	22.60	ng	97
59) Diethylphthalate	15.16	149	269961	22.05	ng	98
60) 4-Chlorophenyl-phenylether	15.39	204	108907	22.32	ng	94
61) 4-Nitroaniline	15.41	138	86411	21.43	ng	96
62) Azobenzene	15.67	77	287825	22.09	ng	99
64) 4,6-Dinitro-2-methylphenol	15.47	198	29057	15.03	ng	99
65) n-Nitrosodiphenylamine	15.60	169	239241	20.79	ng	97
66) 4-Bromophenyl-phenylether	16.27	248	57650	21.22	ng	96
67) Hexachlorobenzene	16.38	284	60487	21.42	ng	98
68) Atrazine	16.54	200	74009	23.08	ng	99
69) Pentachlorophenol	16.73	266	30325	17.59	ng	96
70) Phenanthrene	17.12	178	413858	21.62	ng	99
71) Anthracene	17.21	178	415878	21.92	ng	99
72) Carbazole	17.48	167	443170	23.28	ng	98
73) Di-n-butylphthalate	18.05	149	553970	23.78	ng	98
74) Fluoranthene	19.14	202	477833	24.22	ng	95
76) Benzidine	19.32	184	84944	5.78	ng	98
77) Pyrene	19.50	202	504927	20.94	ng	99
79) Butylbenzylphthalate	20.40	149	259688	21.92	ng	97
80) Benzo(a)anthracene	21.24	228	447991	21.89	ng	97
81) 3,3'-Dichlorobenzidine	21.18	252	79214	11.77	ng	97
82) Chrysene	21.30	228	427589	21.64	ng	99
83) Bis(2-ethylhexyl)phthalate	21.17	149	345016	21.51	ng	99
84) Di-n-octyl phthalate	22.05	149	580963	22.24	ng	99
85) Indeno(1,2,3-cd)pyrene	25.79	276	430803	20.99	ng	99
87) Benzo(b)fluoranthene	22.82	252	405218	22.63	ng	98
88) Benzo(k)fluoranthene	22.87	252	387372	22.11	ng	98
89) Benzo(a)pyrene	23.40	252	384924	22.94	ng	100
90) Dibenzo(a,h)anthracene	25.80	278	358181	21.94	ng	97
91) Benzo(g,h,i)perylene	26.50	276	360268	22.09	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.70 min Scan# 853

Delta R.T. 0.00 min

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LOQ-SOIL2015-02

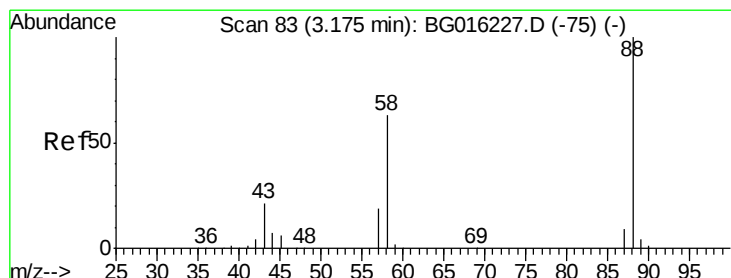
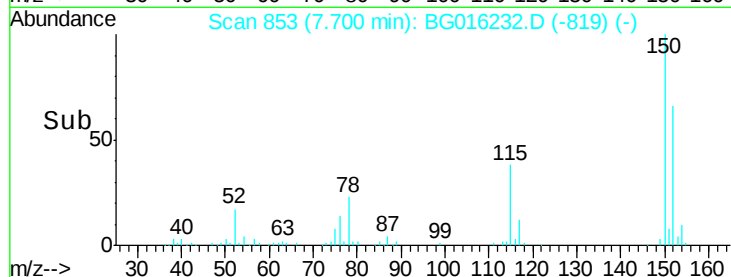
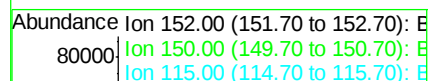
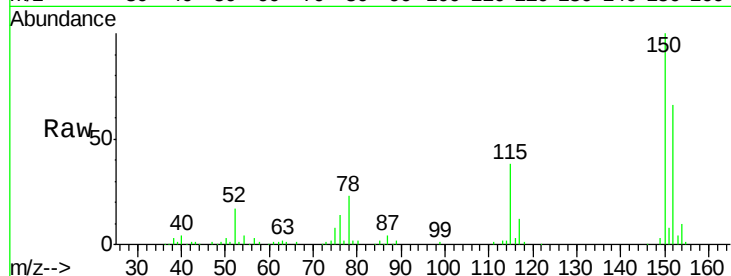
Tgt Ion:152 Resp: 58537

Ion Ratio Lower Upper

152 100

150 152.0 130.1 195.1

115 57.1 50.5 75.7



#2

1,4-Dioxane

Concen: 18.89 ng

RT: 3.18 min Scan# 83

Delta R.T. 0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

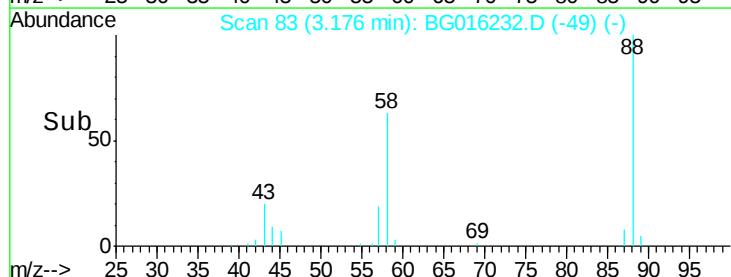
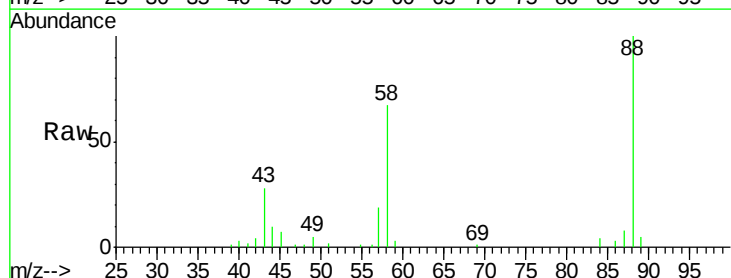
Tgt Ion: 88 Resp: 31859

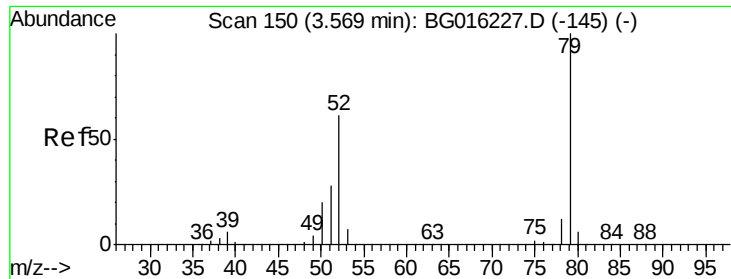
Ion Ratio Lower Upper

88 100

58 65.0 50.6 76.0

43 23.1 17.0 25.4





#3

Pyridine

Concen: 17.27 ng

RT: 3.57 min Scan# 150

Delta R.T. 0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

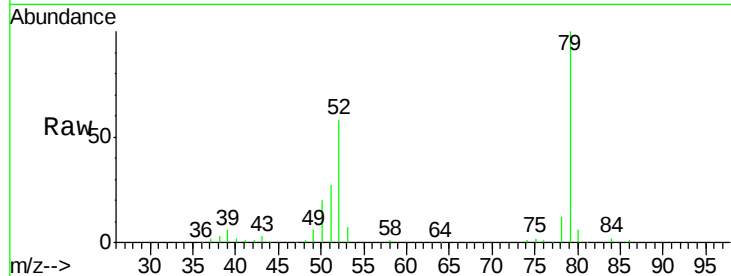
Tgt Ion: 79 Resp: 87005

Ion Ratio Lower Upper

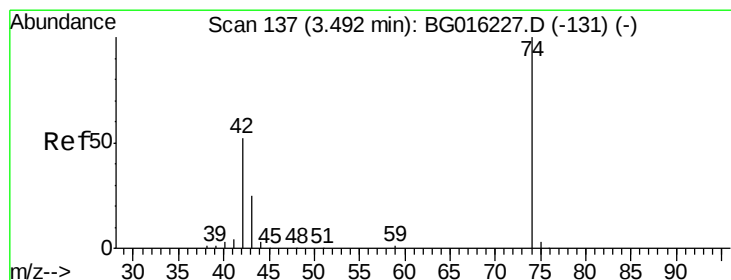
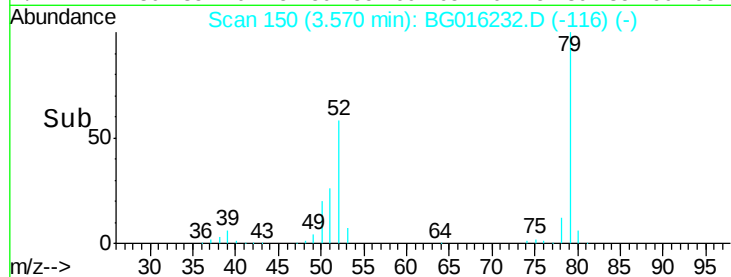
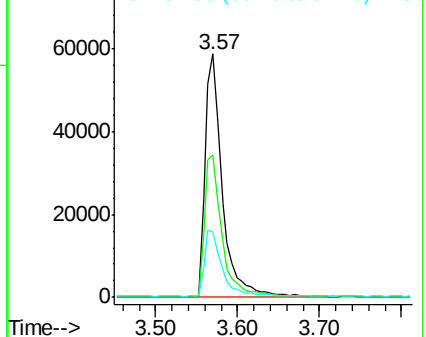
79 100

52 58.5 49.0 73.4

51 27.0 22.5 33.7



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



#4

n-Nitrosodimethylamine

Concen: 20.15 ng

RT: 3.49 min Scan# 136

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

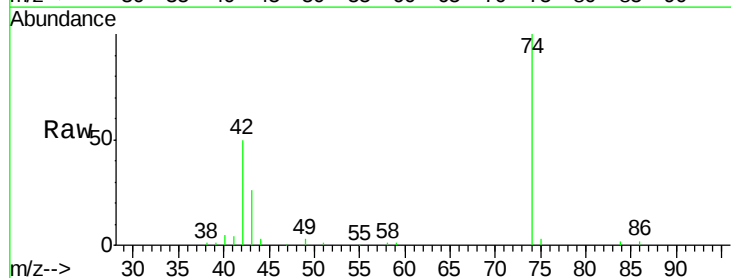
Tgt Ion: 42 Resp: 30186

Ion Ratio Lower Upper

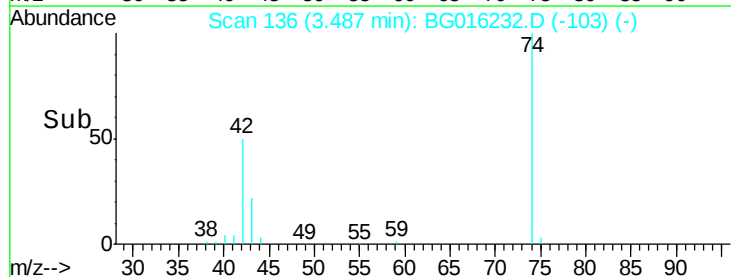
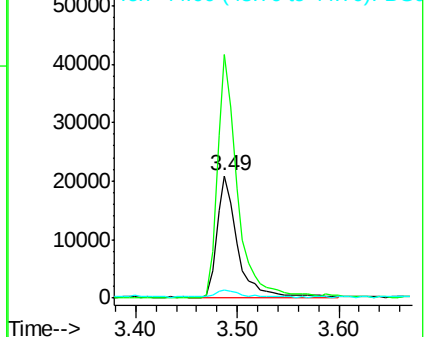
42 100

74 199.4 153.7 230.5

44 6.5 5.3 7.9



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





#5

2-Fluorophenol

Concen: 182.50 ng

RT: 5.28 min Scan# 441

Delta R.T. 0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

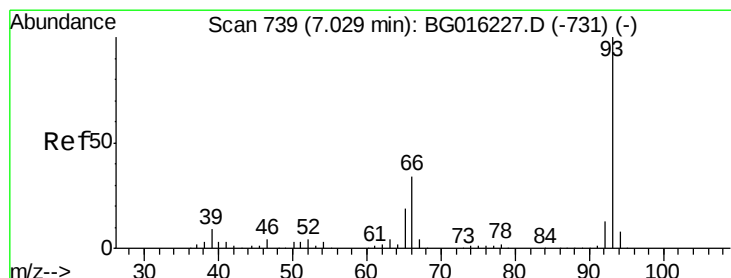
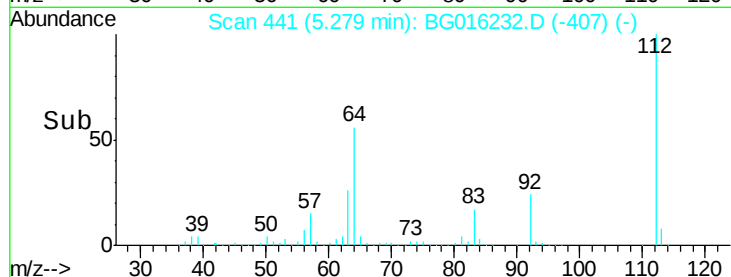
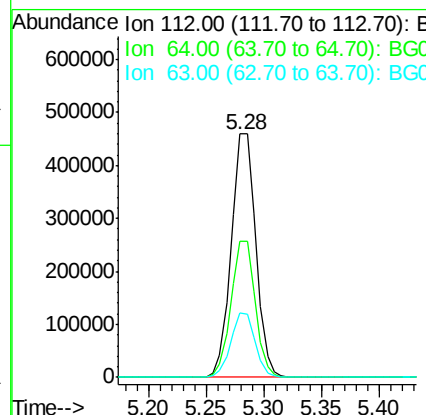
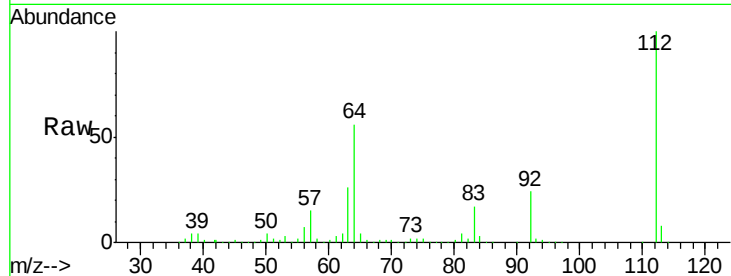
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:	112	Resp:	676904
Ion	Ratio	Lower	Upper
112	100		
64	56.0	44.5	66.7
63	26.3	21.4	32.0



#6

Aniline

Concen: 10.25 ng

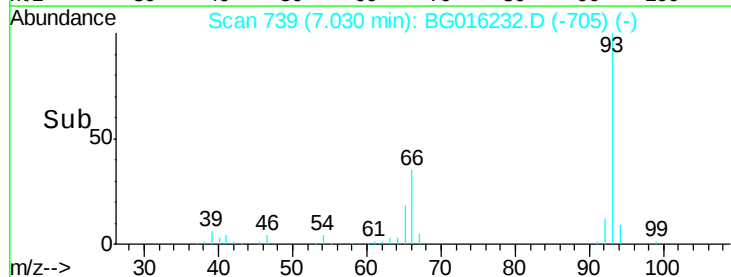
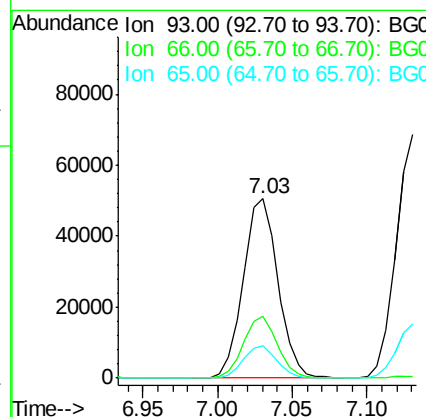
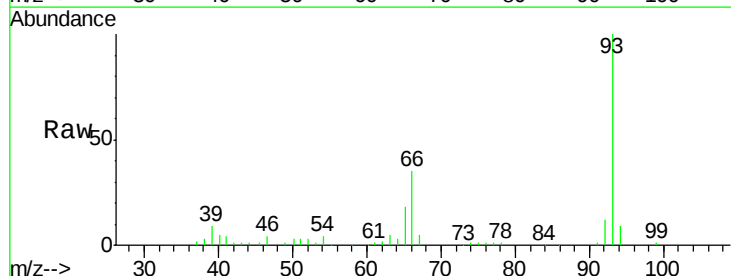
RT: 7.03 min Scan# 739

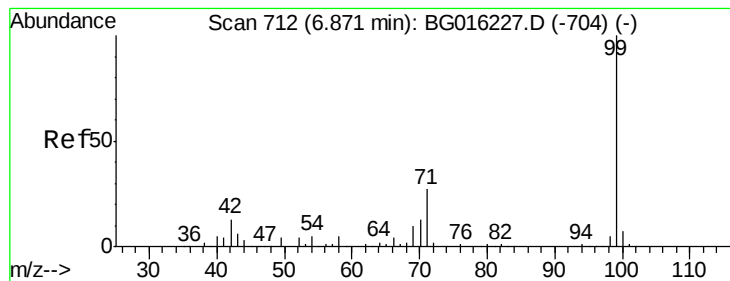
Delta R.T. 0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Tgt Ion:	93	Resp:	81517
Ion	Ratio	Lower	Upper
93	100		
66	34.6	27.5	41.3
65	18.2	15.1	22.7





#7

Phenol-d6

Concen: 172.00 ng

RT: 6.88 min Scan# 713

Delta R.T. 0.01 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

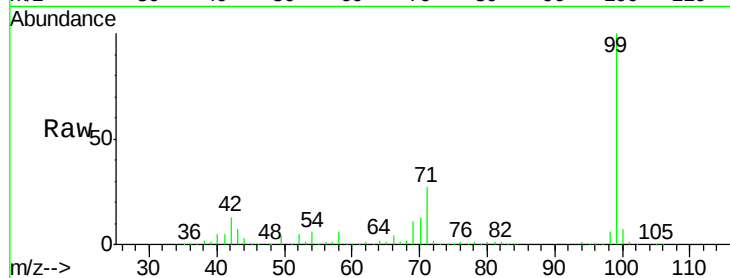
Tgt Ion: 99 Resp: 957717

Ion Ratio Lower Upper

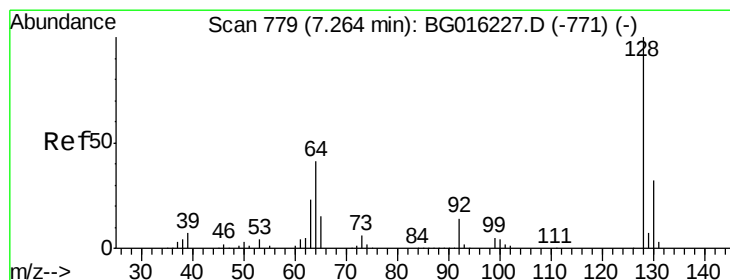
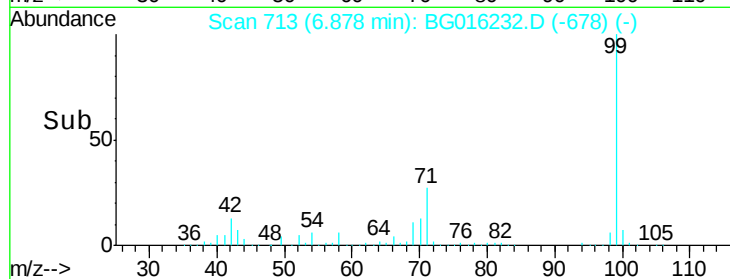
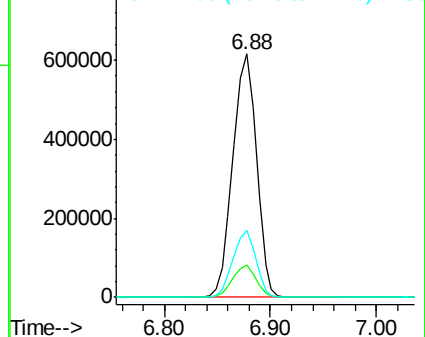
99 100

42 13.2 10.0 15.0

71 27.5 21.5 32.3



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



#8

2-Chlorophenol

Concen: 23.30 ng

RT: 7.27 min Scan# 779

Delta R.T. 0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

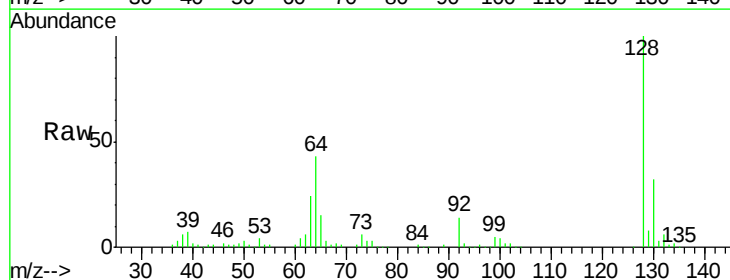
Tgt Ion: 128 Resp: 103776

Ion Ratio Lower Upper

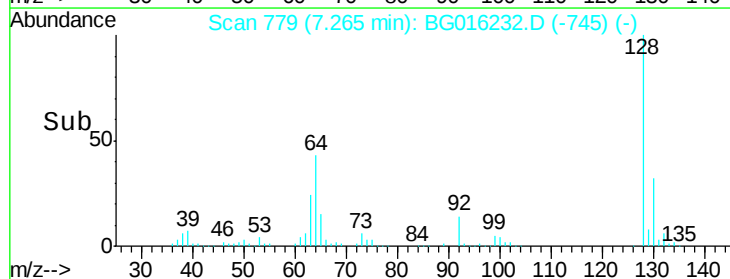
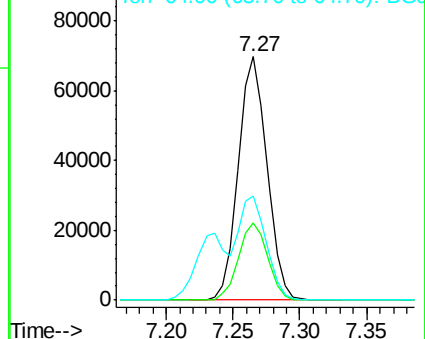
128 100

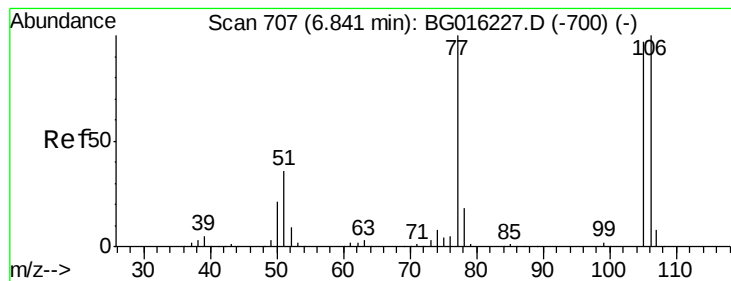
130 31.7 11.6 51.6

64 42.6 24.2 64.2



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: 24.22 ng

RT: 6.84 min Scan# 707

Delta R.T. 0.00 min

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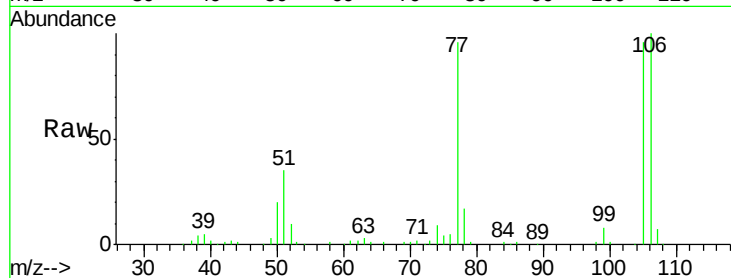
Tgt Ion: 77 Resp: 78999

Ion Ratio Lower Upper

77 100

105 100.4 76.8 116.8

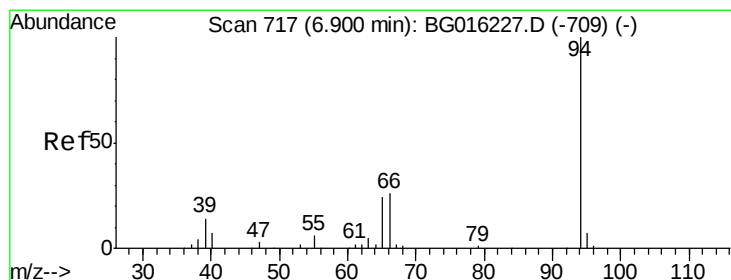
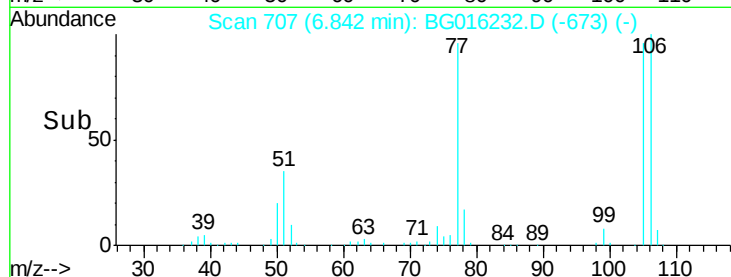
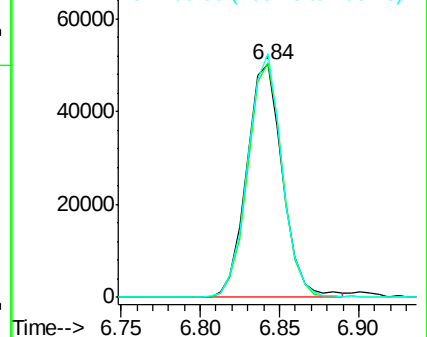
106 104.4 80.1 120.1



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: 23.35 ng

RT: 6.90 min Scan# 717

Delta R.T. 0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

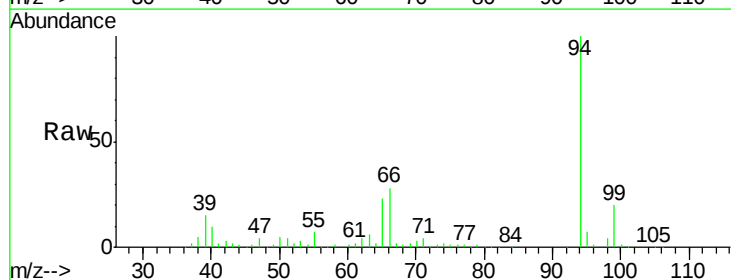
Tgt Ion: 94 Resp: 139119

Ion Ratio Lower Upper

94 100

65 23.4 3.8 43.8

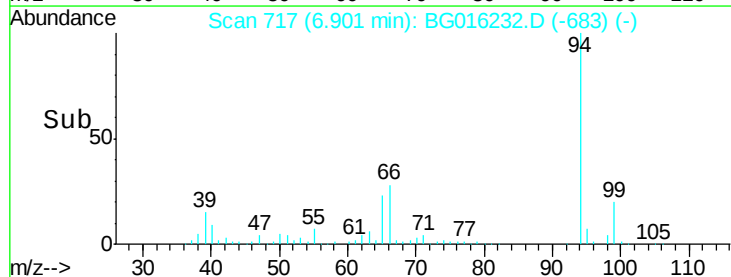
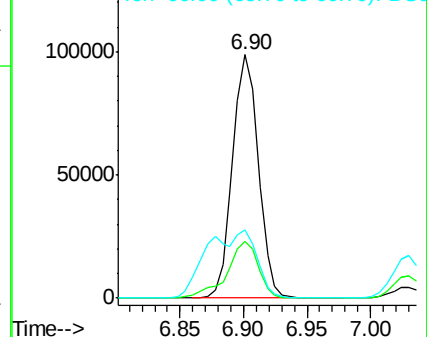
66 28.1 7.4 47.4



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: 20.46 ng

RT: 7.13 min Scan# 756

Delta R.T. 0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

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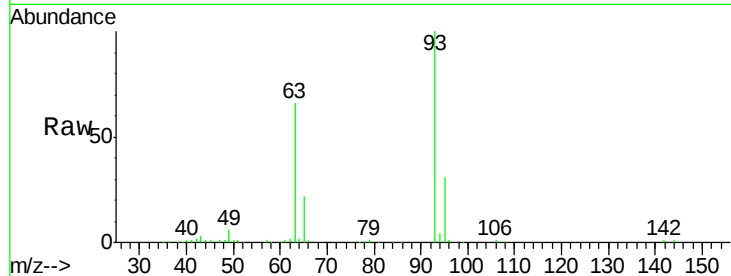
Tgt Ion: 93 Resp: 97205

Ion Ratio Lower Upper

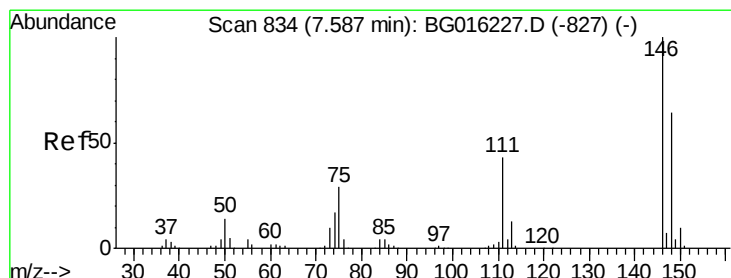
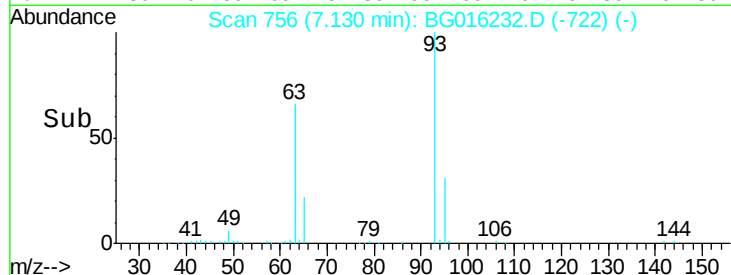
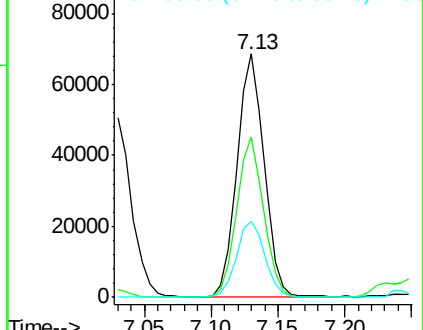
93 100

63 66.1 44.1 84.1

95 31.4 12.5 52.5



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



#12

1,3-Dichlorobenzene

Concen: 20.75 ng

RT: 7.59 min Scan# 834

Delta R.T. 0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

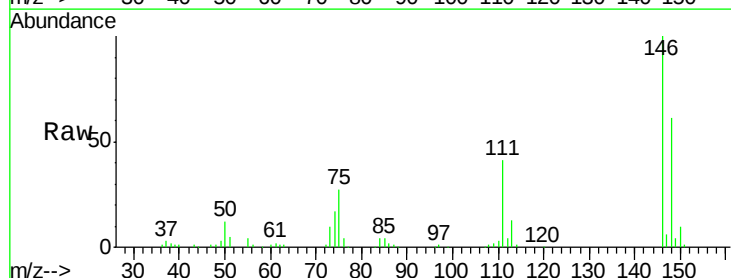
Tgt Ion: 146 Resp: 93315

Ion Ratio Lower Upper

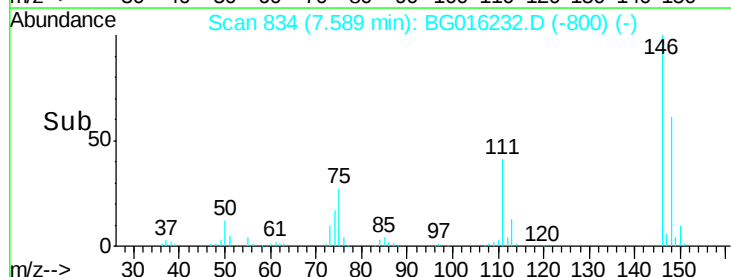
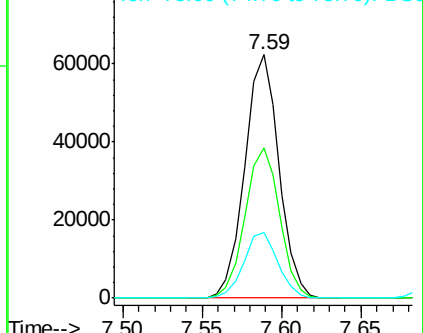
146 100

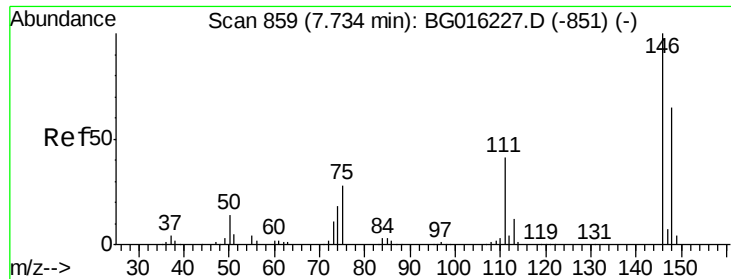
148 61.4 50.9 76.3

75 26.8 23.3 34.9



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

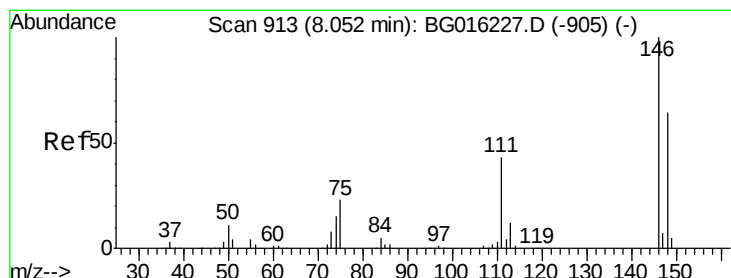
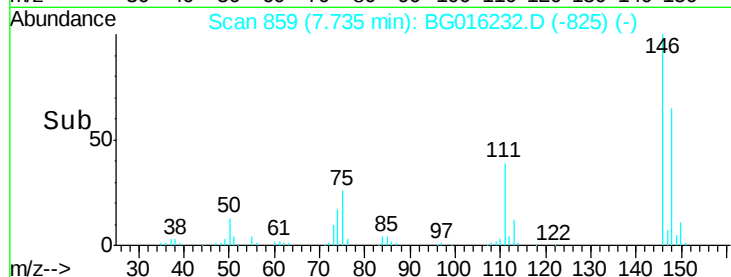
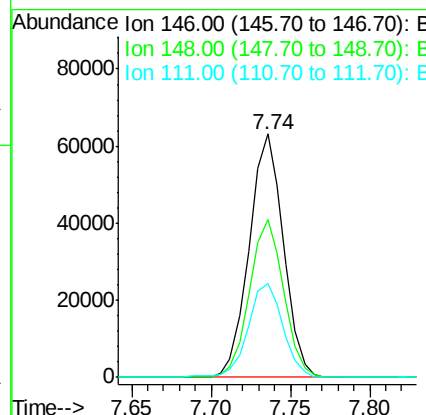
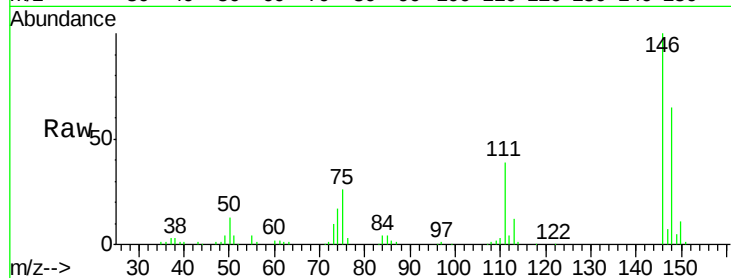




#13
 1,4-Dichlorobenzene
 Concen: 20.21 ng
 RT: 7.74 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

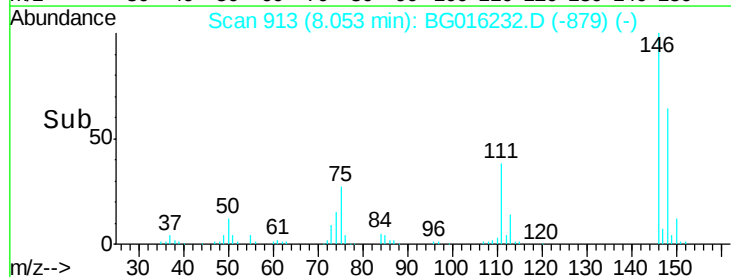
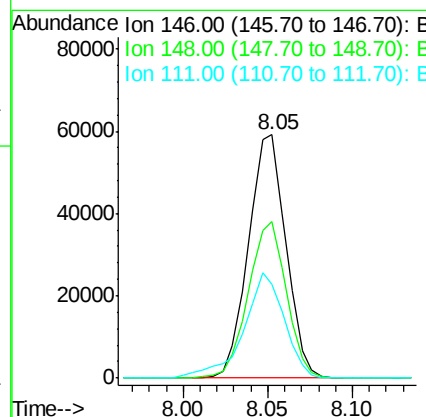
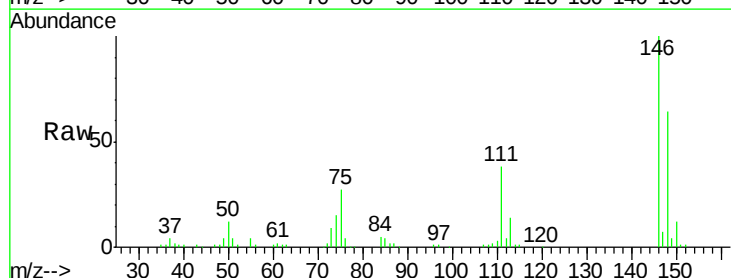
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

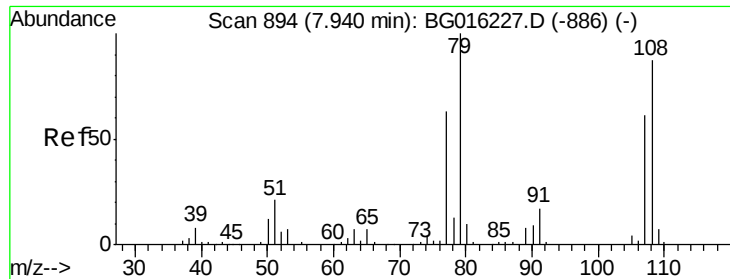
Tgt Ion:146 Resp: 94284
 Ion Ratio Lower Upper
 146 100
 148 64.8 52.0 78.0
 111 38.7 32.6 49.0



#14
 1,2-Dichlorobenzene
 Concen: 20.50 ng
 RT: 8.05 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

Tgt Ion:146 Resp: 91458
 Ion Ratio Lower Upper
 146 100
 148 64.2 50.9 76.3
 111 38.3 34.7 52.1





#15

Benzyl Alcohol

Concen: 21.17 ng

RT: 7.94 min Scan# 893

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

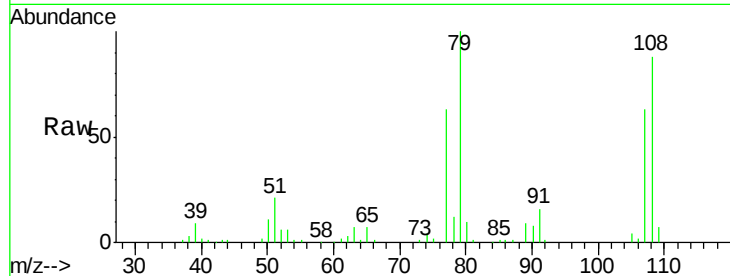
Tgt Ion: 79 Resp: 82187

Ion Ratio Lower Upper

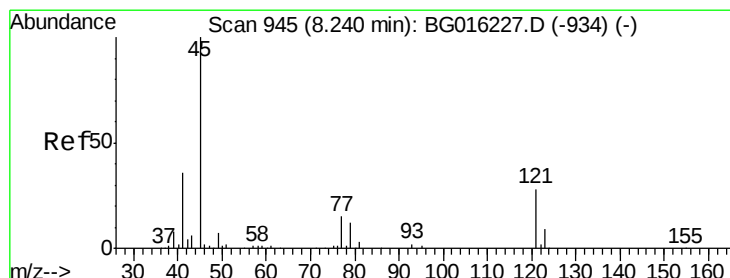
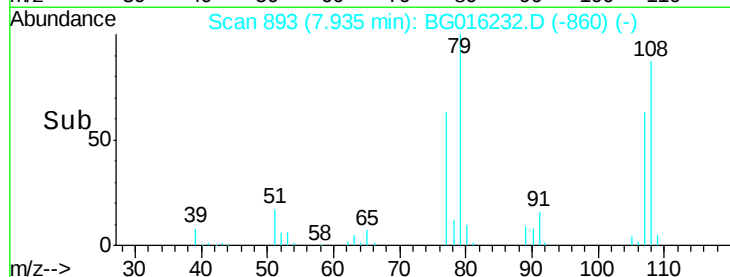
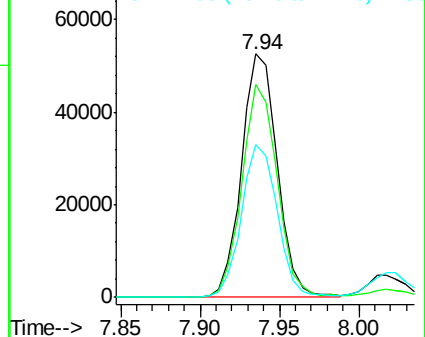
79 100

108 87.6 69.3 103.9

77 62.6 50.3 75.5



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: 20.80 ng

RT: 8.23 min Scan# 944

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

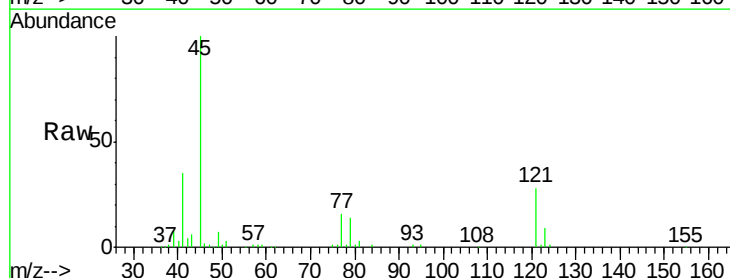
Tgt Ion: 45 Resp: 111287

Ion Ratio Lower Upper

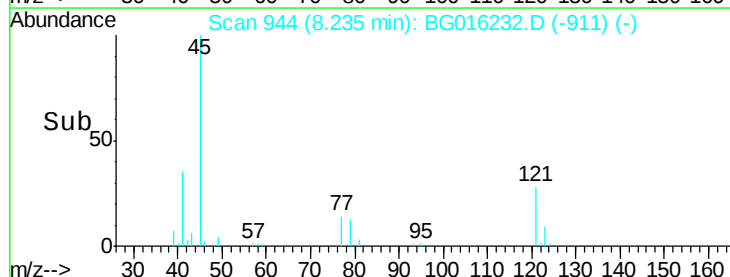
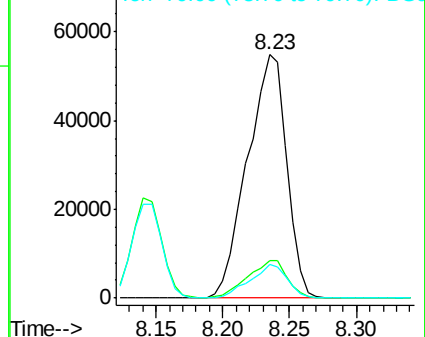
45 100

77 15.7 0.0 35.3

79 14.0 0.0 32.3



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

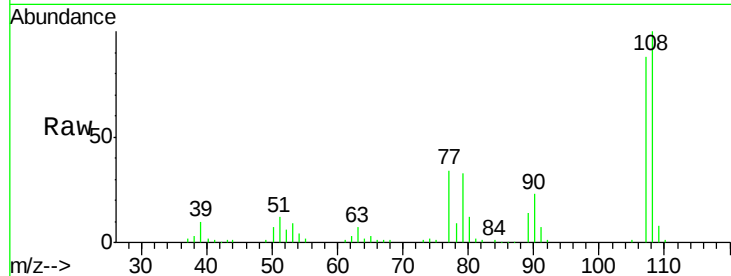




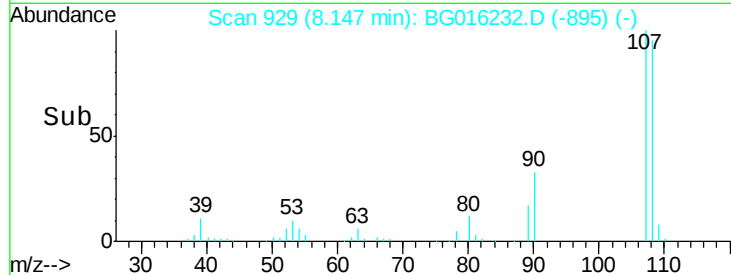
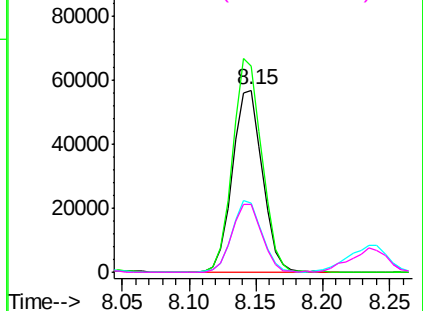
#17
2-Methylphenol
Concen: 22.29 ng
RT: 8.15 min Scan# 929
Delta R.T. 0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:107 Resp: 89063
Ion Ratio Lower Upper
107 100
108 113.3 87.2 130.8
77 38.2 31.1 46.7
79 37.0 29.7 44.5

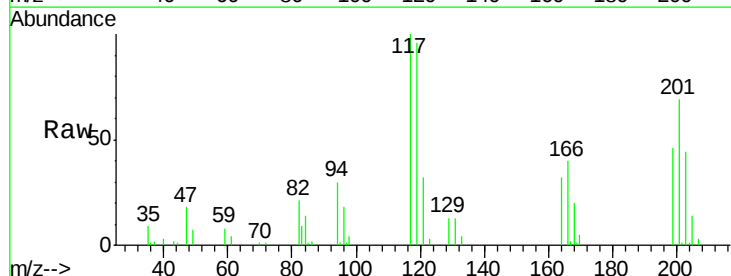


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

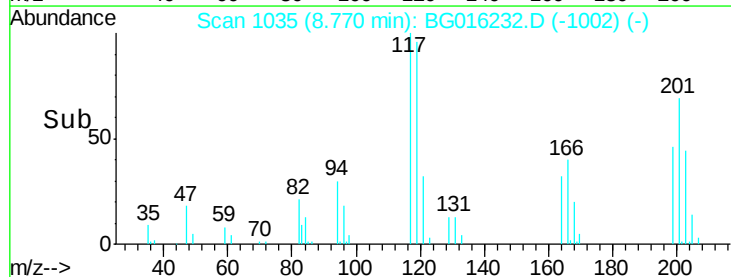
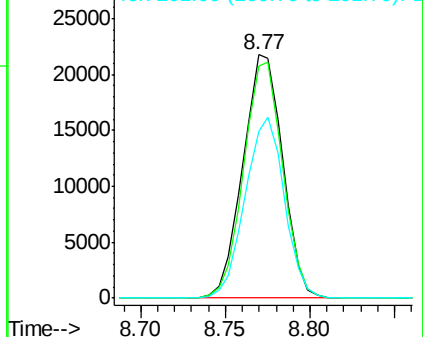


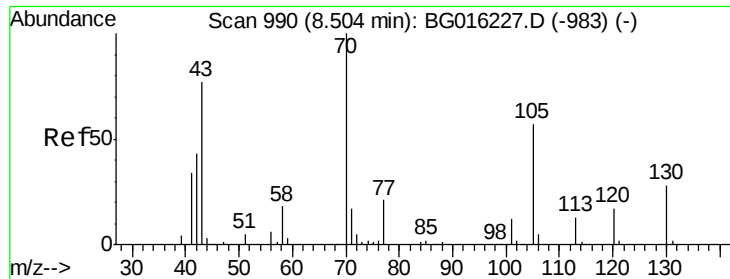
#18
Hexachloroethane
Concen: 20.01 ng
RT: 8.77 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Tgt Ion:117 Resp: 35724
Ion Ratio Lower Upper
117 100
119 95.5 78.8 118.2
201 68.7 59.0 88.4



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

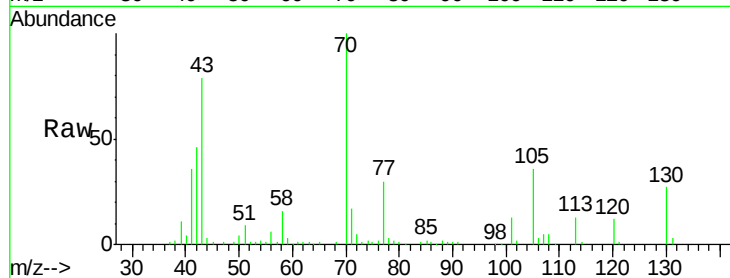




#19
n-Nitroso-di-n-propylamine
Concen: 18.38 ng
RT: 8.50 min Scan# 989
Delta R.T. -0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:	70	Resp:	73345
Ion	Ratio	Lower	Upper
70	100		
42	46.4	34.7	52.1
101	13.0	9.2	13.8
130	27.0	22.6	33.8



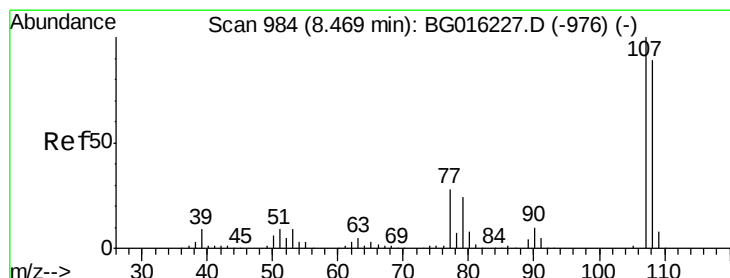
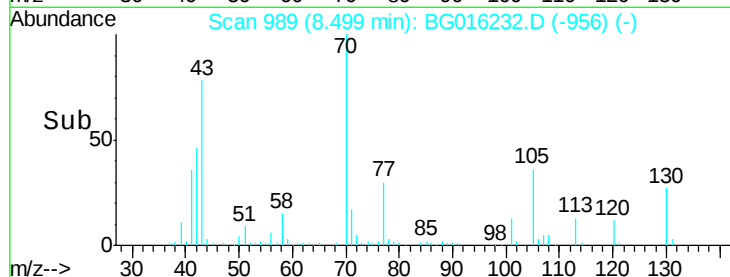
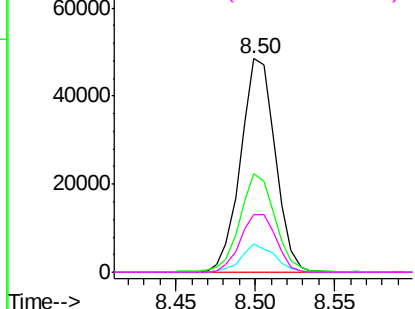
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

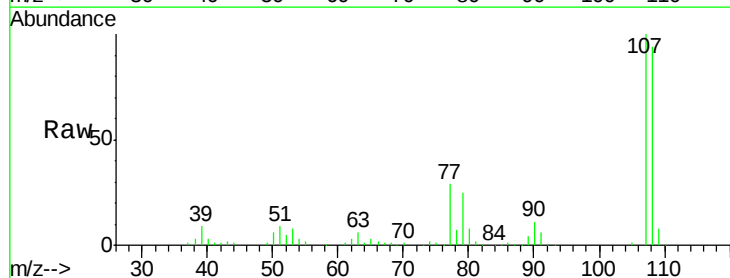
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20
3+4-Methylphenols
Concen: 21.89 ng
RT: 8.47 min Scan# 984
Delta R.T. 0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Tgt Ion:	107	Resp:	121108
Ion	Ratio	Lower	Upper
107	100		
108	94.2	69.5	109.5
77	28.5	8.2	48.2
79	25.3	3.8	43.8



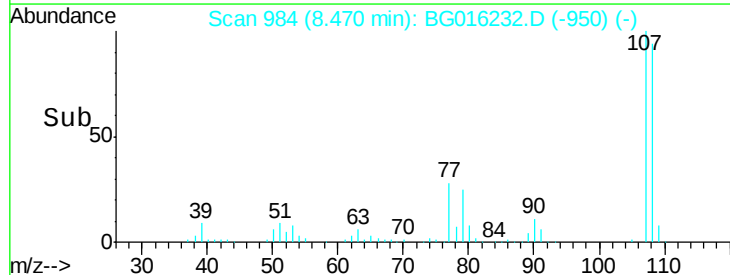
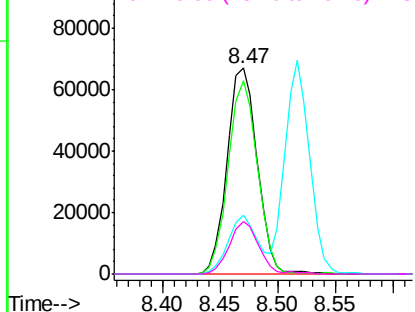
Abundance

Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

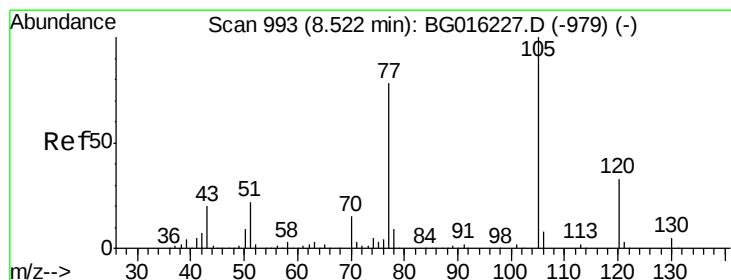
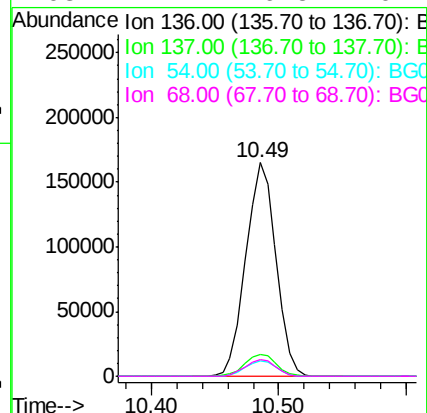
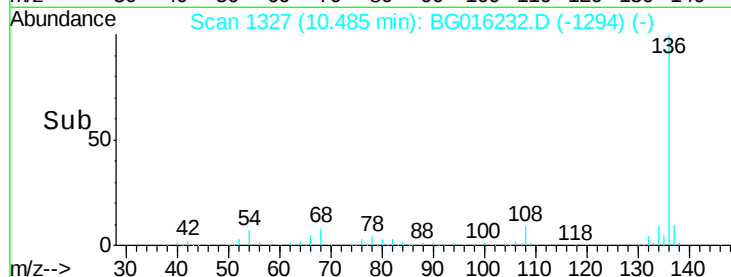
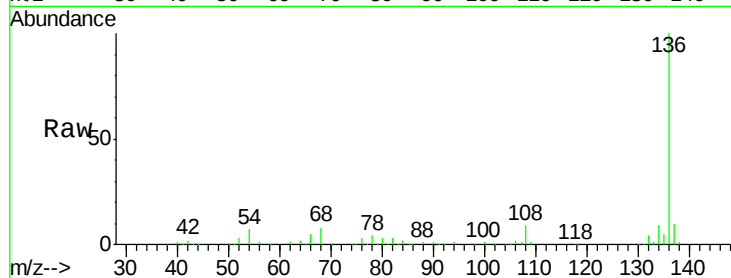




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.49 min Scan# 1327
Delta R.T. -0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

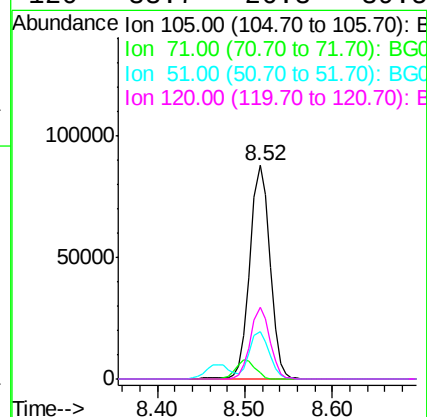
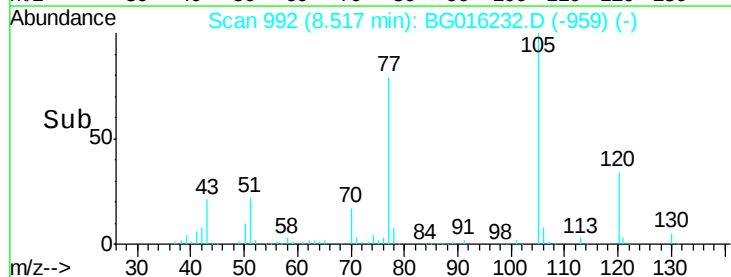
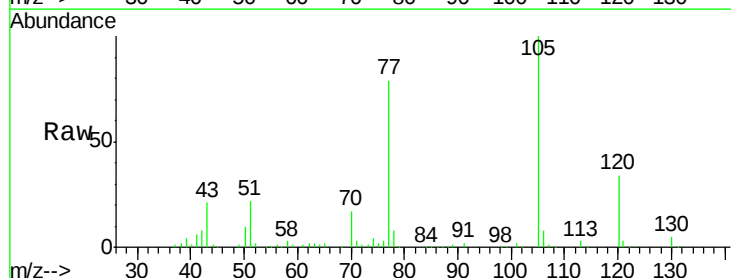
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:	136	Resp:	271265
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	7.4	6.3	9.5
68	7.7	6.5	9.7



#22
Acetophenone
Concen: 21.54 ng
RT: 8.52 min Scan# 992
Delta R.T. -0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Tgt Ion:	105	Resp:	135461
Ion	Ratio	Lower	Upper
105	100		
71	3.2	2.0	3.0#
51	21.9	17.9	26.9
120	33.7	26.3	39.5

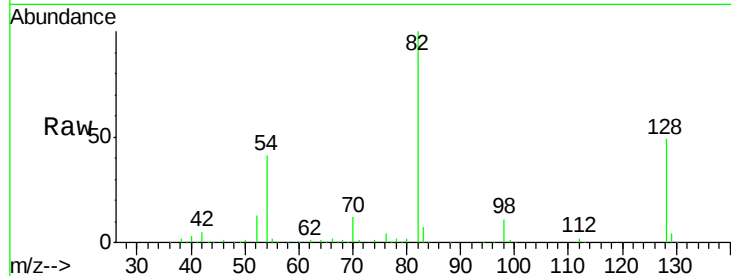




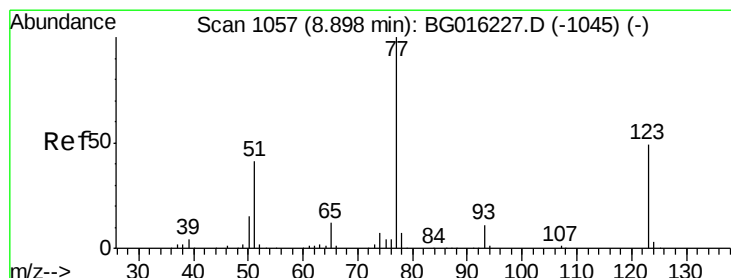
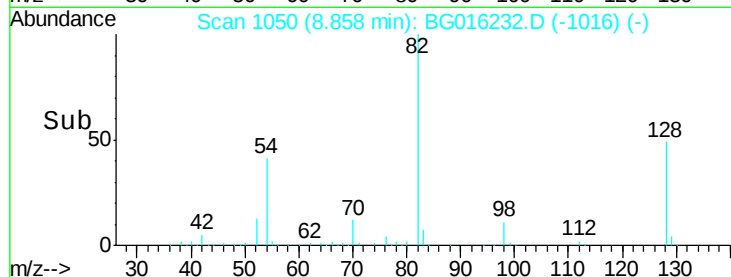
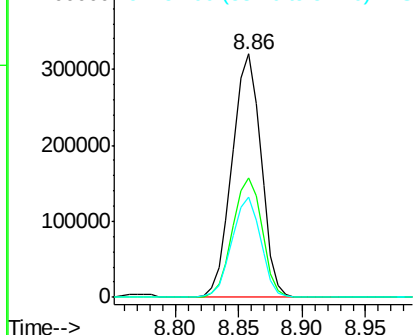
#23
 Nitrobenzene-d5
 Concen: 108.27 ng
 RT: 8.86 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion: 82 Resp: 506973
 Ion Ratio Lower Upper
 82 100
 128 49.3 37.8 56.8
 54 41.2 32.6 49.0

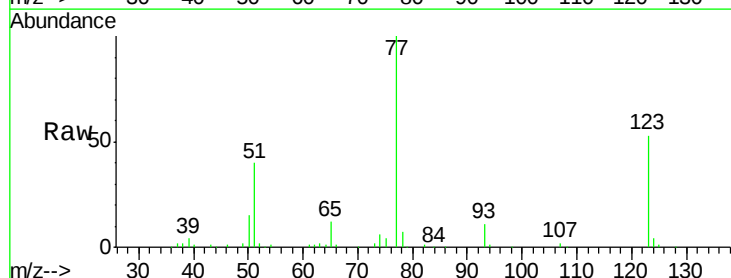


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

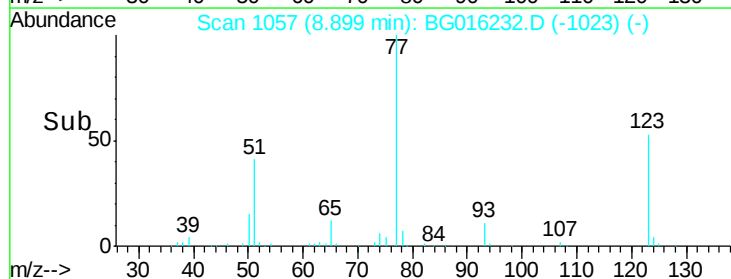
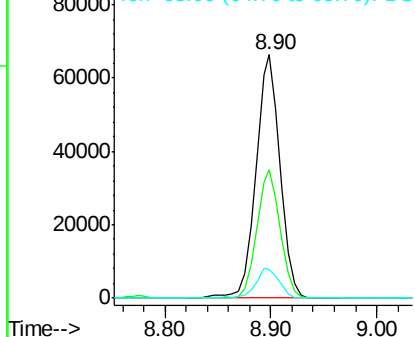


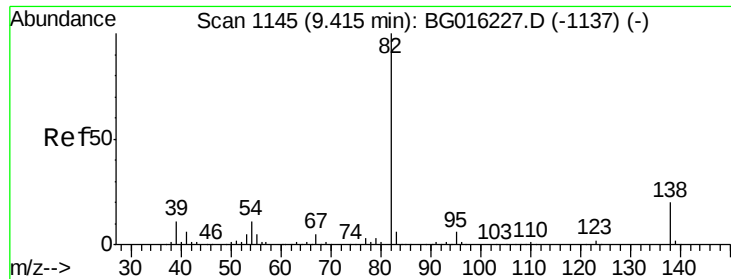
#24
 Nitrobenzene
 Concen: 21.04 ng
 RT: 8.90 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

Tgt Ion: 77 Resp: 105363
 Ion Ratio Lower Upper
 77 100
 123 53.0 38.8 58.2
 65 11.6 9.4 14.2



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





#25

Isophorone

Concen: 19.46 ng

RT: 9.42 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

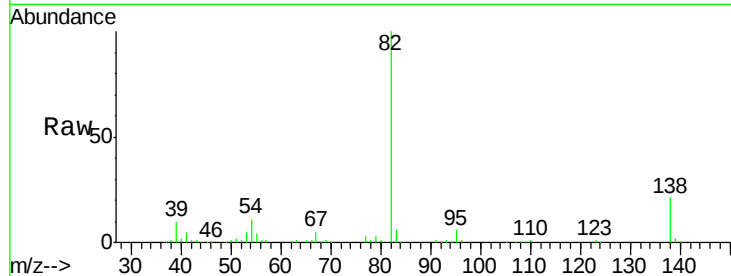
Tgt Ion: 82 Resp: 202383

Ion Ratio Lower Upper

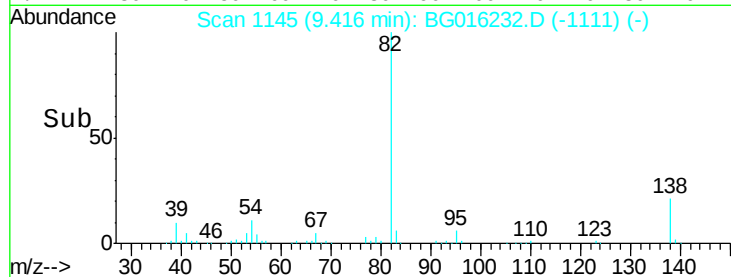
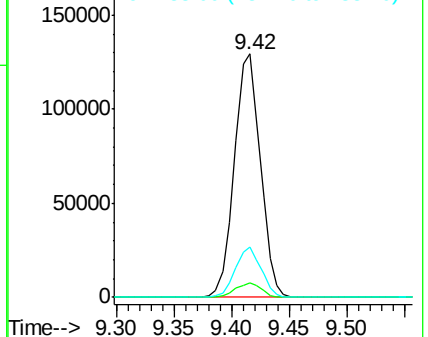
82 100

95 6.0 5.0 7.6

138 20.8 16.2 24.2



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



#26

2-Nitrophenol

Concen: 22.25 ng

RT: 9.60 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

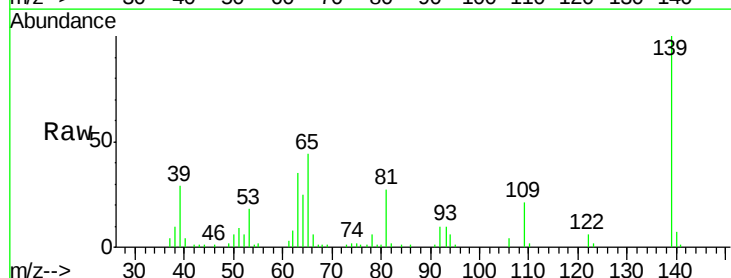
Tgt Ion: 139 Resp: 51954

Ion Ratio Lower Upper

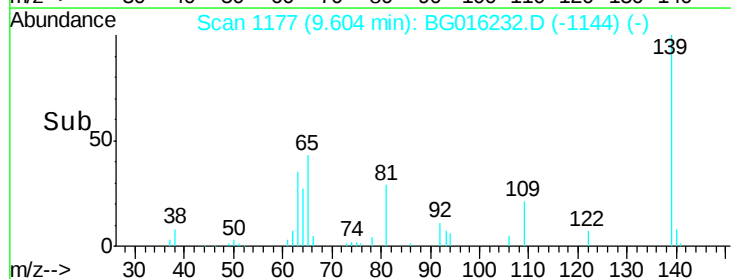
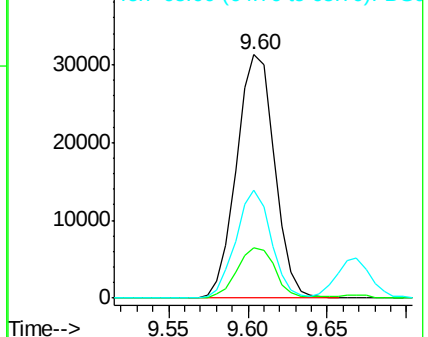
139 100

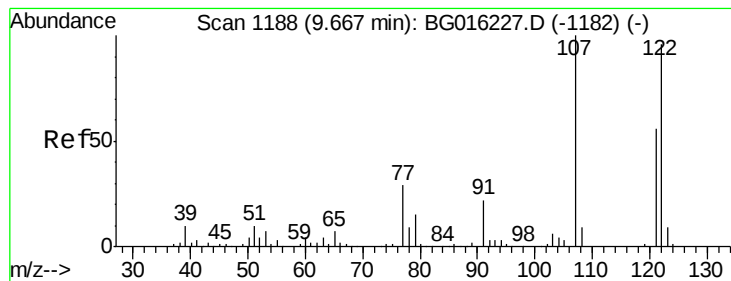
109 20.8 15.9 23.9

65 44.4 32.9 49.3



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





#27

2,4-Dimethylphenol

Concen: 21.93 ng

RT: 9.67 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

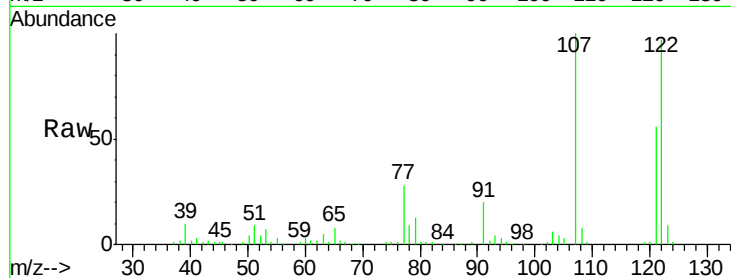
Tgt Ion:122 Resp: 95368

Ion Ratio Lower Upper

122 100

107 103.5 83.4 125.2

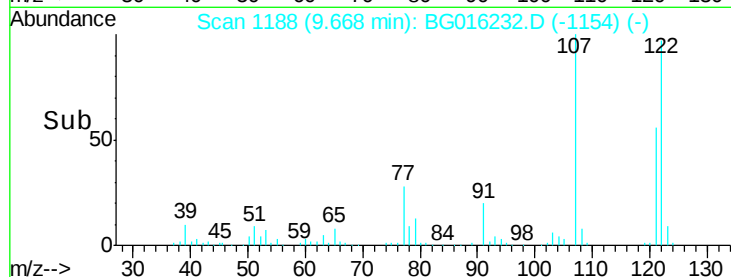
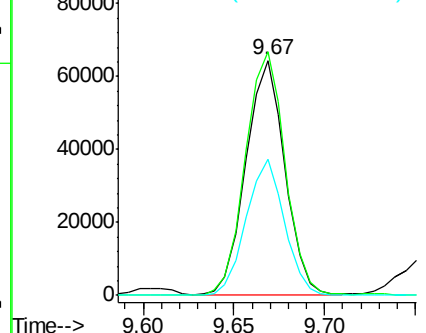
121 57.9 46.2 69.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 20.97 ng

RT: 9.90 min Scan# 1228

Delta R.T. 0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

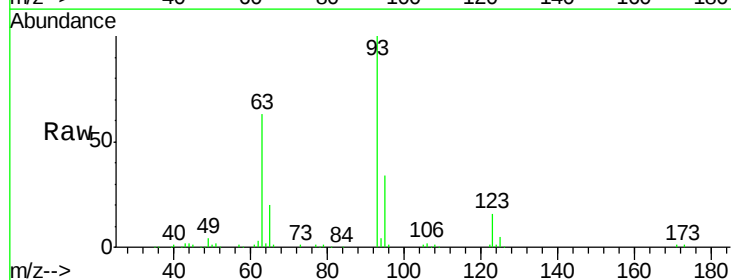
Tgt Ion: 93 Resp: 124457

Ion Ratio Lower Upper

93 100

95 34.4 26.1 39.1

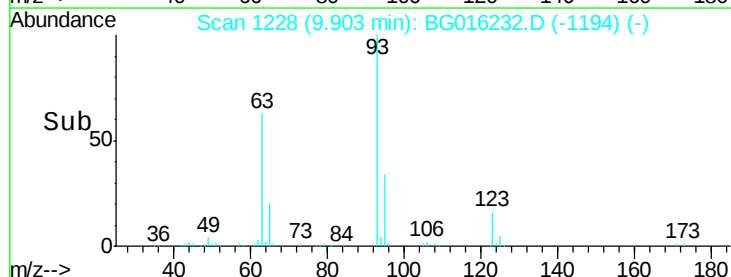
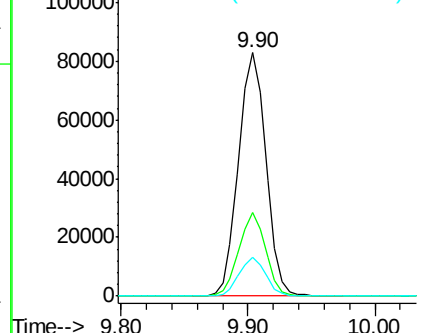
123 16.0 11.8 17.8



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

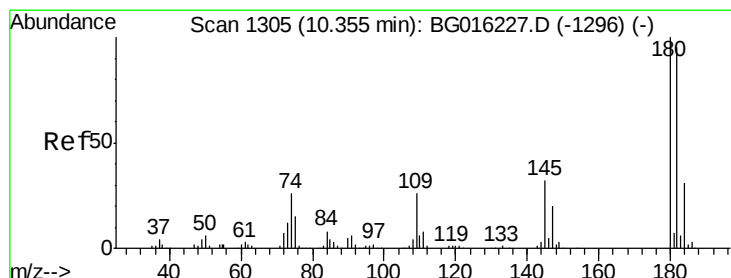
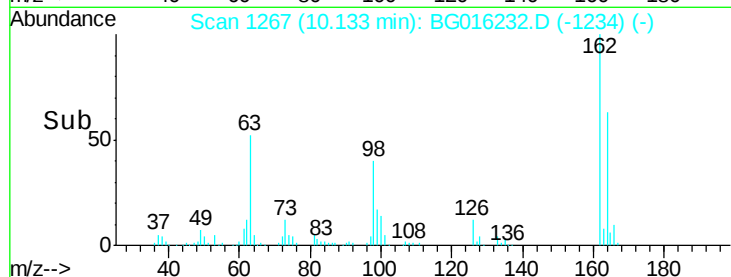
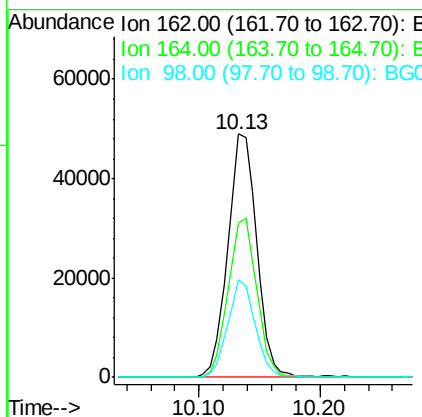
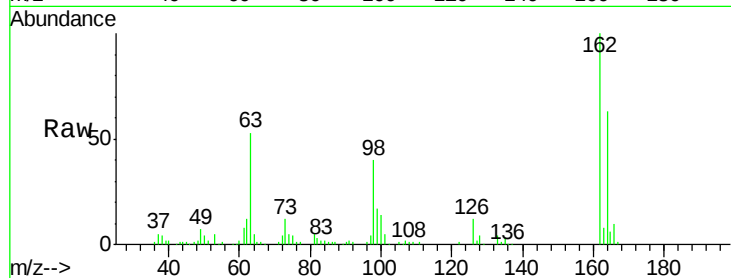




#29
 2,4-Dichlorophenol
 Concen: 23.86 ng
 RT: 10.13 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

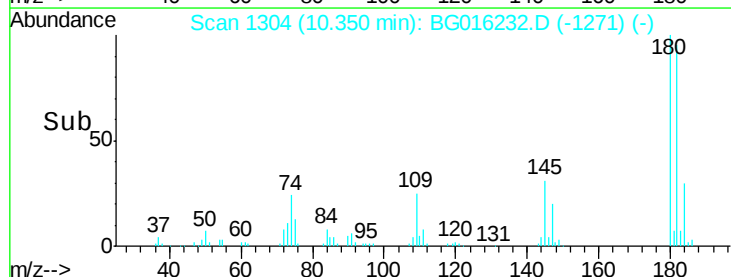
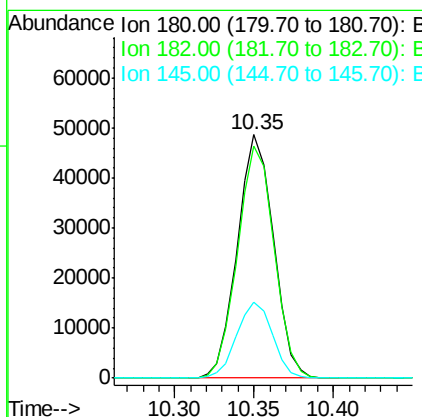
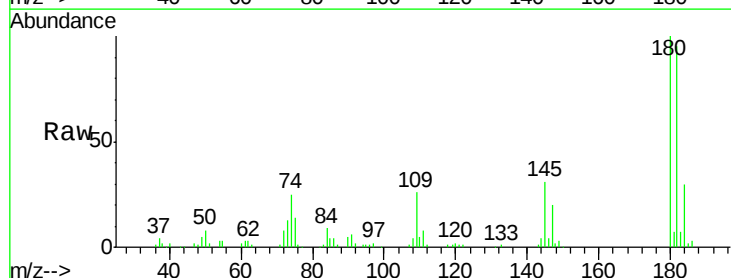
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

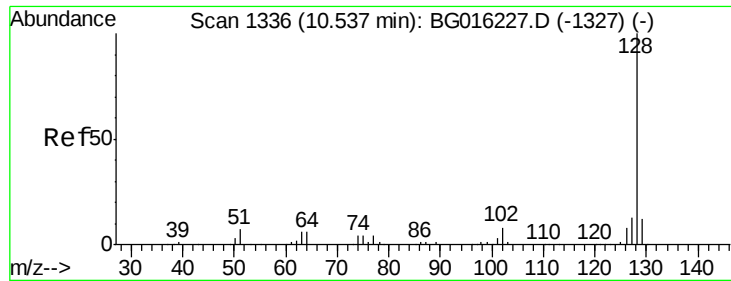
Tgt Ion:162 Resp: 82112
 Ion Ratio Lower Upper
 162 100
 164 63.1 45.0 85.0
 98 40.3 19.1 59.1



#30
 1,2,4-Trichlorobenzene
 Concen: 21.42 ng
 RT: 10.35 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

Tgt Ion:180 Resp: 76962
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.3 114.5
 145 31.3 25.2 37.8

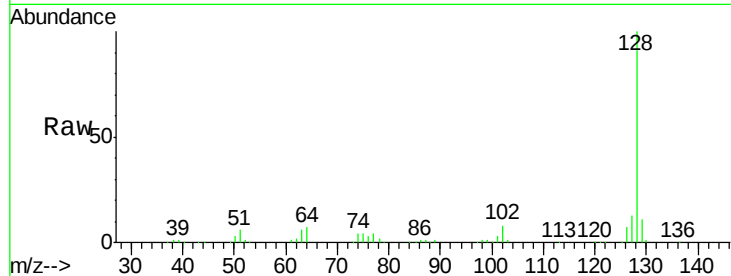




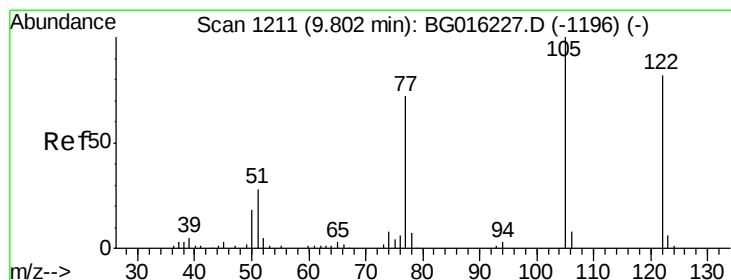
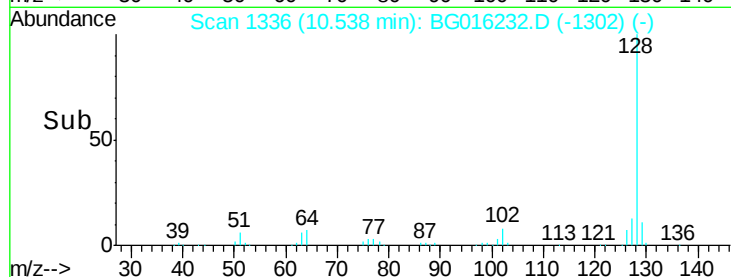
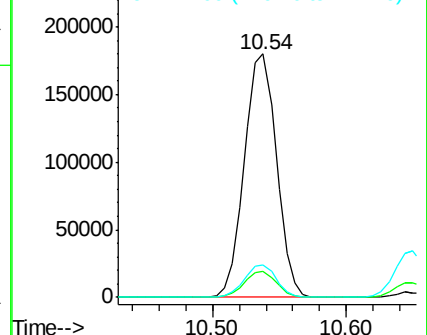
#31
Naphthalene
Concen: 21.15 ng
RT: 10.54 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:128 Resp: 299023
Ion Ratio Lower Upper
128 100
129 10.8 9.2 13.8
127 13.4 10.6 16.0

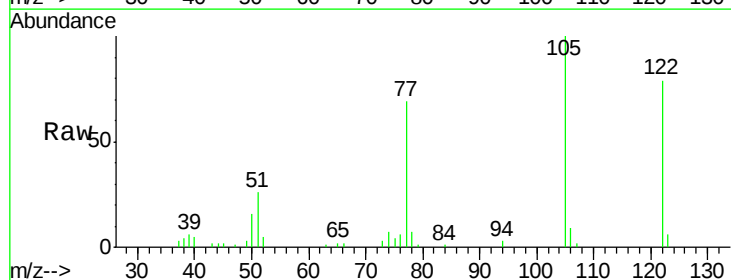


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

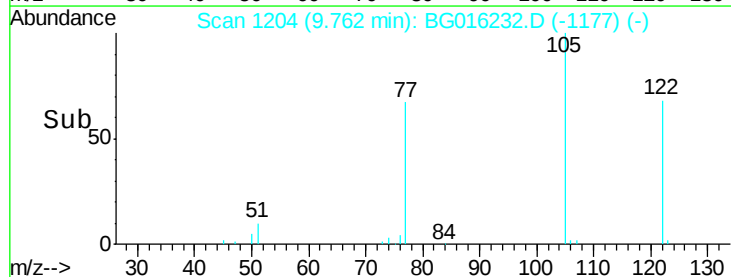
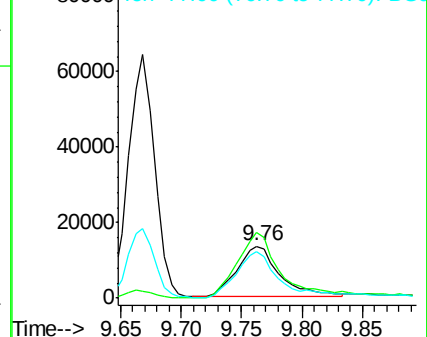


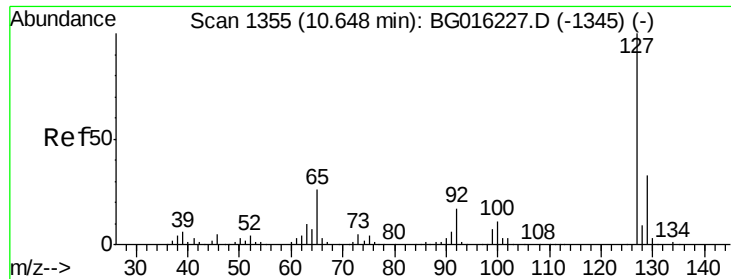
#32
Benzoic acid
Concen: 18.37 ng
RT: 9.76 min Scan# 1204
Delta R.T. -0.04 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Tgt Ion:122 Resp: 33439
Ion Ratio Lower Upper
122 100
105 127.0 99.7 139.7
77 88.2 66.8 106.8



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

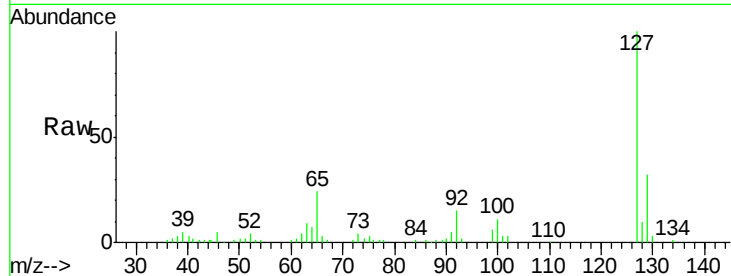




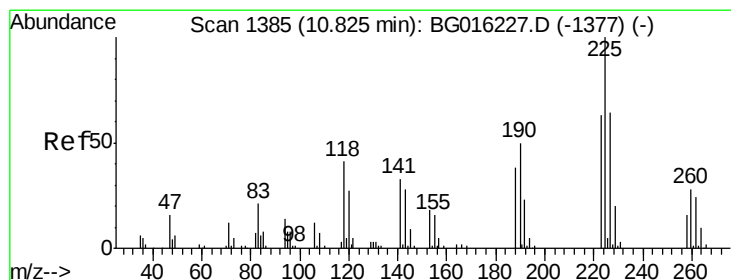
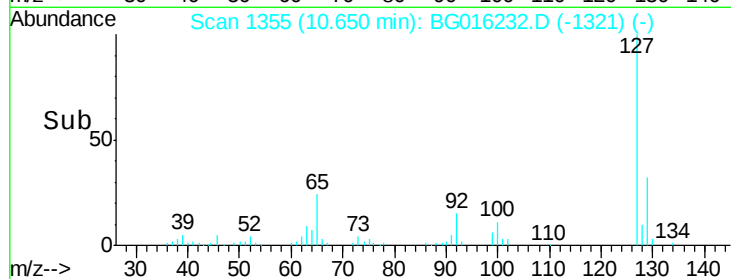
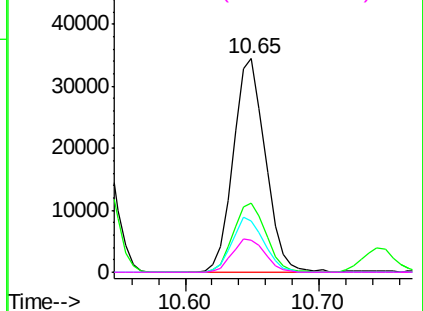
#33
4-Chloroaniline
Concen: 8.67 ng
RT: 10.65 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:	127	Resp:	57492
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	24.1	21.2	31.8
92	14.7	13.8	20.6

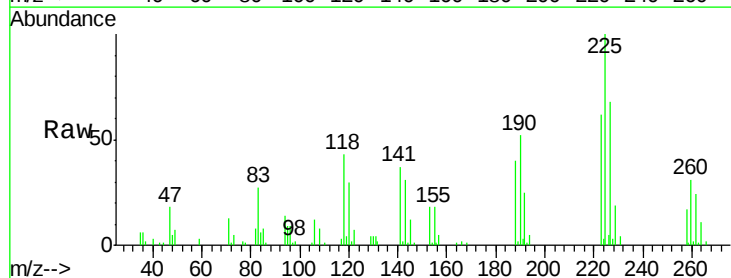


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

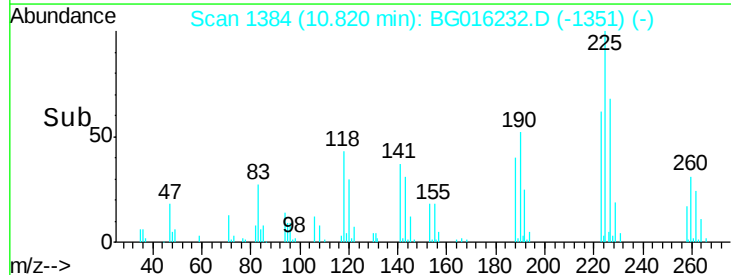
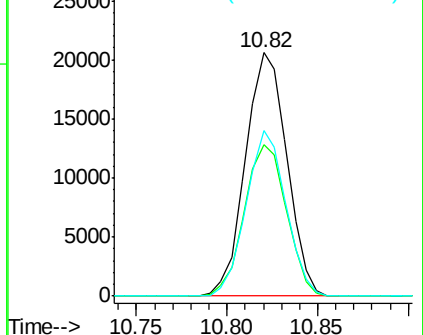


#34
Hexachlorobutadiene
Concen: 20.73 ng
RT: 10.82 min Scan# 1384
Delta R.T. -0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Tgt Ion:	225	Resp:	32720
Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.4	75.6
227	68.0	51.2	76.8



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: 21.26 ng

RT: 11.40 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

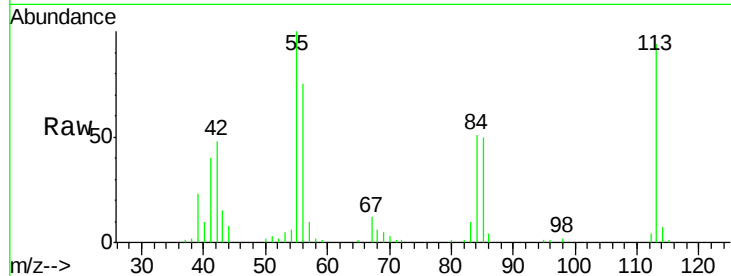
Tgt Ion:113 Resp: 46061

Ion Ratio Lower Upper

113 100

55 106.0 92.4 132.4

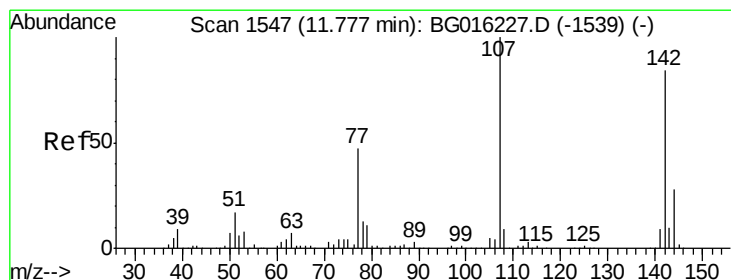
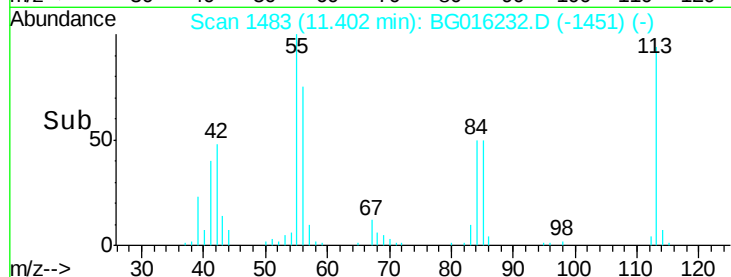
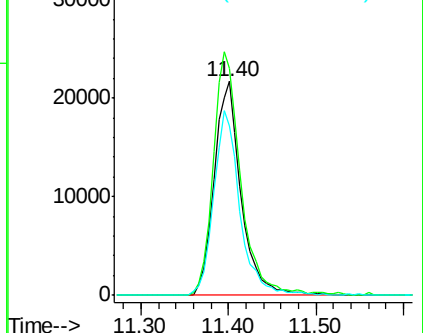
56 79.0 63.2 103.2



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 22.16 ng

RT: 11.78 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

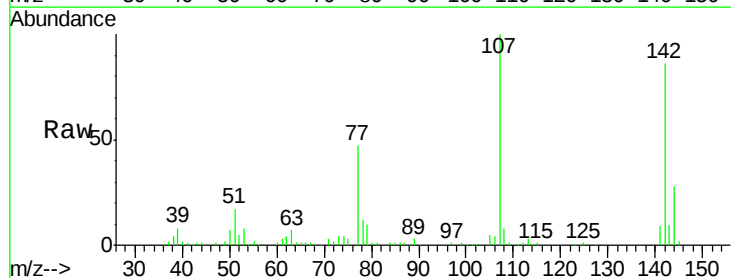
Tgt Ion:107 Resp: 100754

Ion Ratio Lower Upper

107 100

144 27.9 22.0 33.0

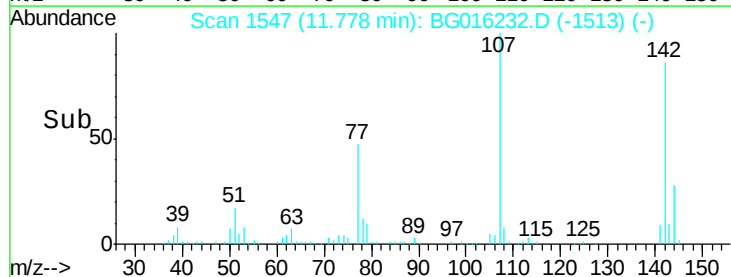
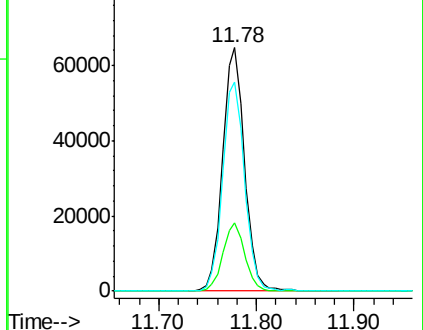
142 85.6 67.0 100.6

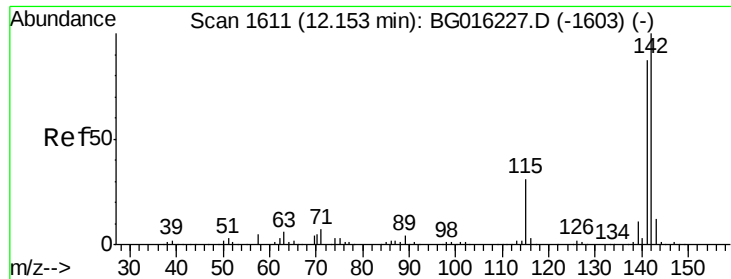


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

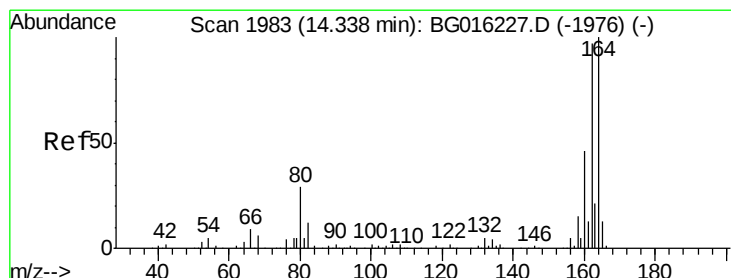
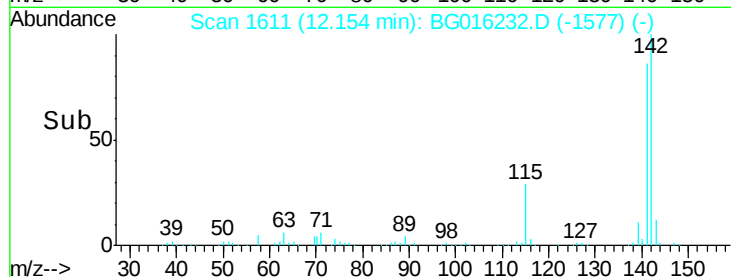
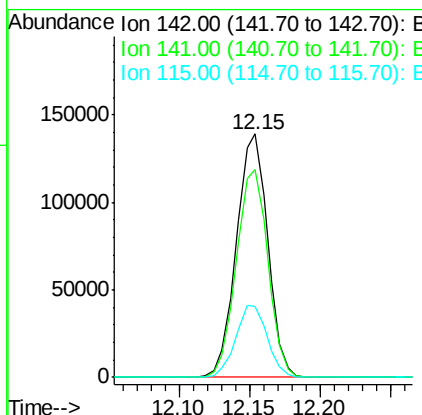
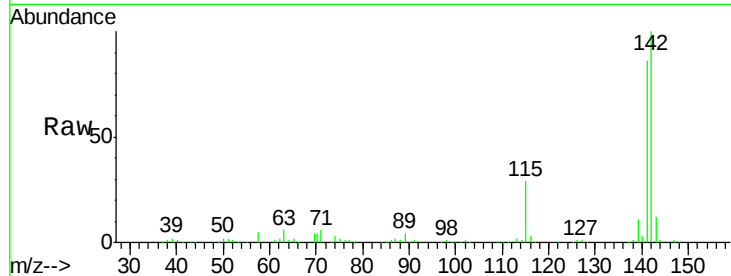




#37
2-Methylnaphthalene
Concen: 21.12 ng
RT: 12.15 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

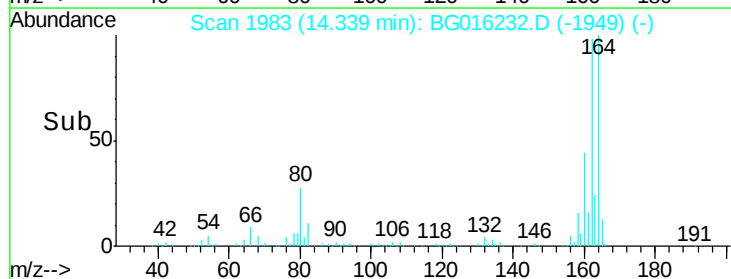
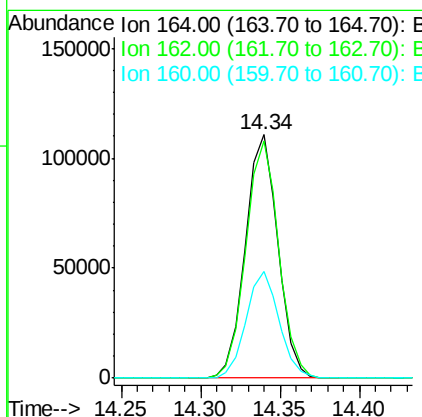
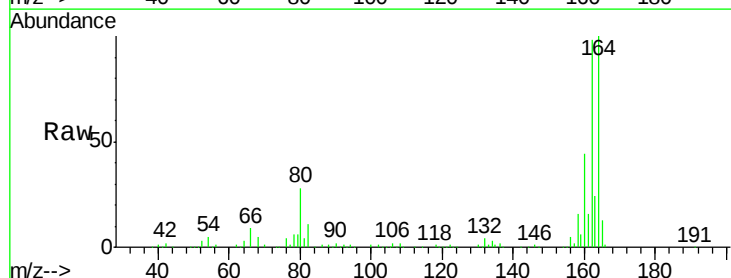
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:142 Resp: 214747
Ion Ratio Lower Upper
142 100
141 85.5 69.3 103.9
115 29.3 25.0 37.6



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.34 min Scan# 1983
Delta R.T. 0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Tgt Ion:164 Resp: 156949
Ion Ratio Lower Upper
164 100
162 97.7 77.3 115.9
160 43.6 36.7 55.1





#39

1,2,4,5-Tetrachlorobenzene

Concen: 20.70 ng

RT: 12.52 min Scan# 1674

Delta R.T. 0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:216 Resp: 71529

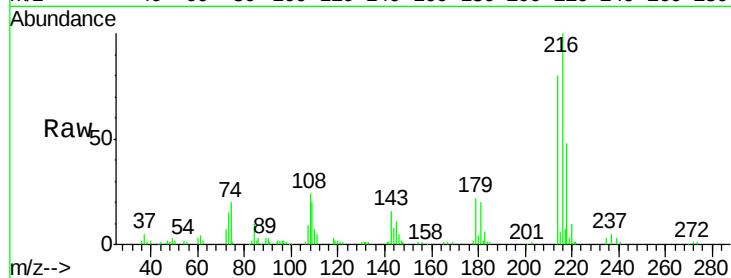
Ion Ratio Lower Upper

216 100

214 80.4 63.4 95.0

179 22.6 18.2 27.2

108 26.2 21.2 31.8

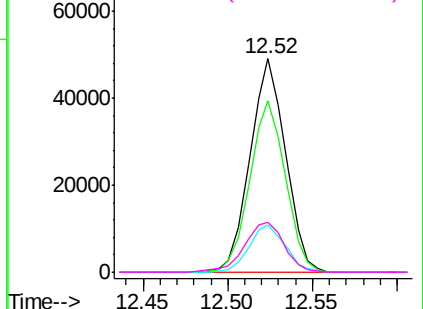
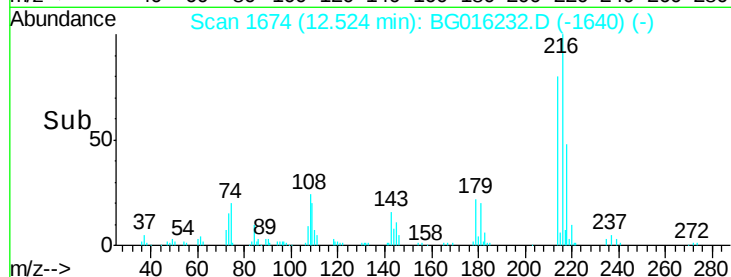


Abundance Ion 216.00 (215.70 to 216.70): E

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: 20.78 ng

RT: 12.50 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

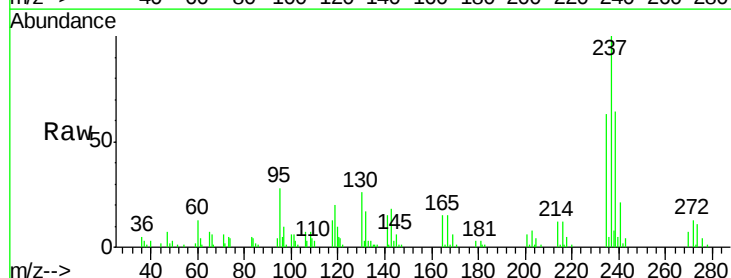
Tgt Ion:237 Resp: 32866

Ion Ratio Lower Upper

237 100

235 62.9 43.9 83.9

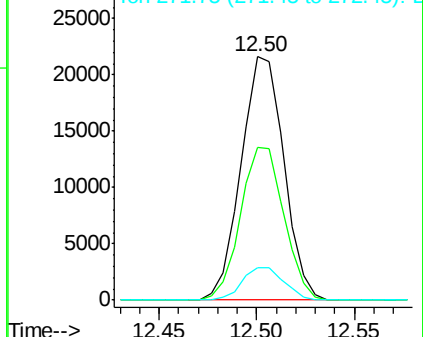
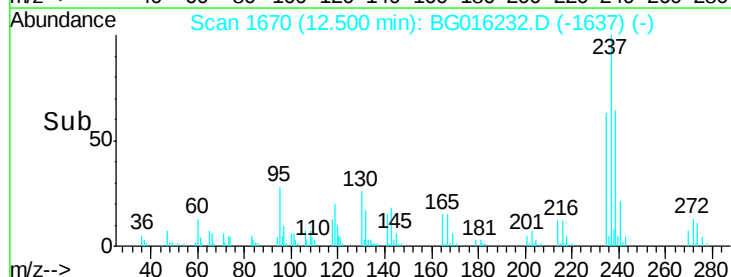
272 13.4 0.0 33.1



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

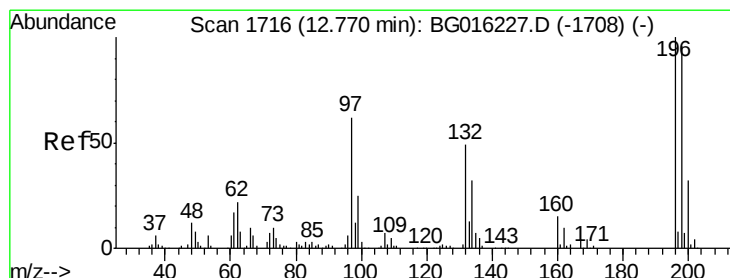
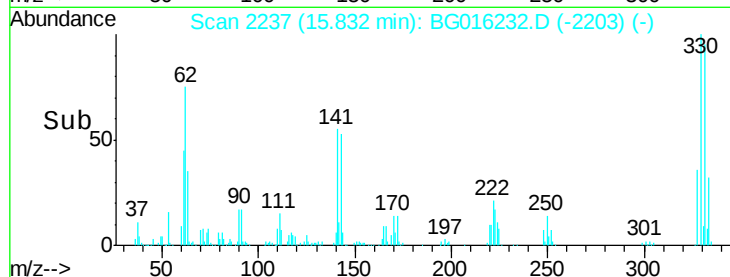
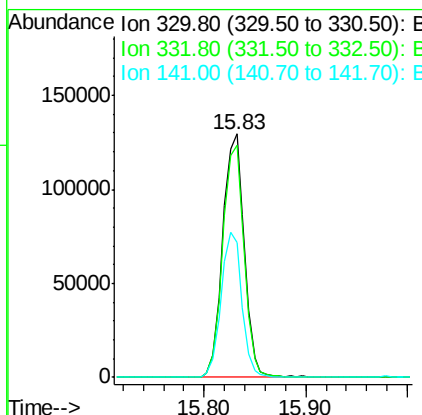
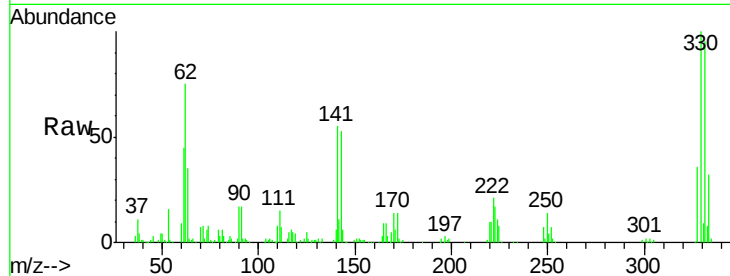




#41
 2,4,6-Tribromophenol
 Concen: 180.19 ng
 RT: 15.83 min Scan# 2237
 Delta R.T. 0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

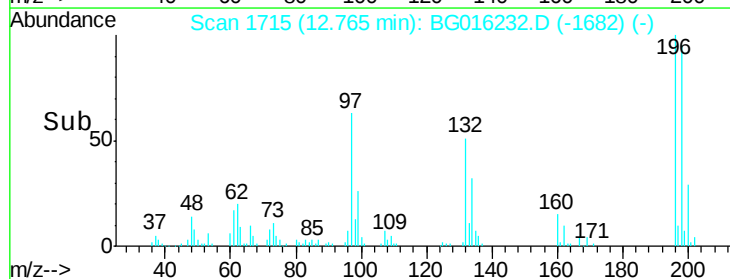
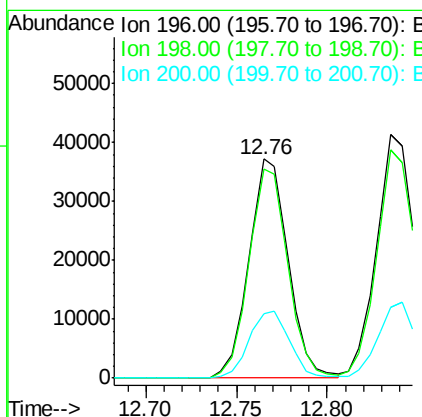
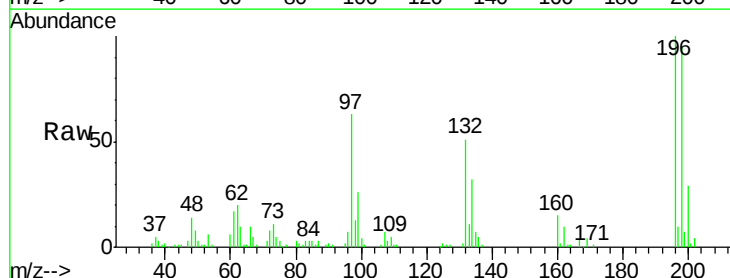
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:330 Resp: 191262
 Ion Ratio Lower Upper
 330 100
 332 95.2 75.8 113.6
 141 57.4 46.6 69.8



#42
 2,4,6-Trichlorophenol
 Concen: 21.74 ng
 RT: 12.76 min Scan# 1715
 Delta R.T. -0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

Tgt Ion:196 Resp: 55833
 Ion Ratio Lower Upper
 196 100
 198 95.1 77.2 115.8
 200 29.3 25.3 37.9

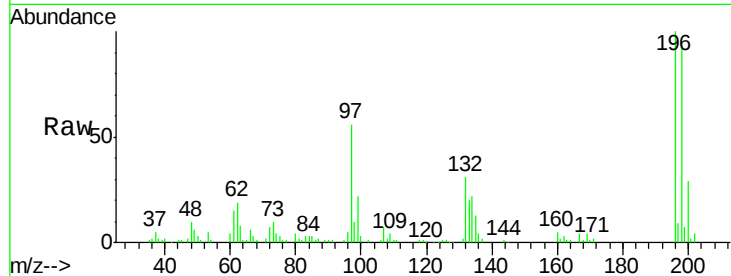




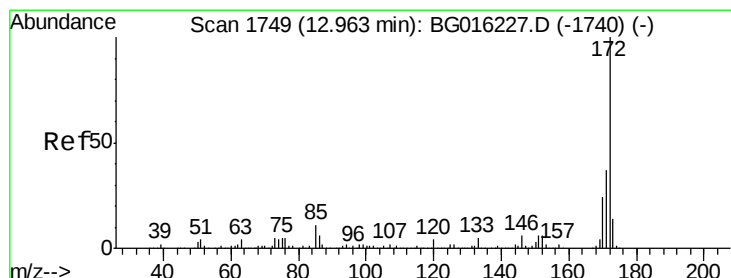
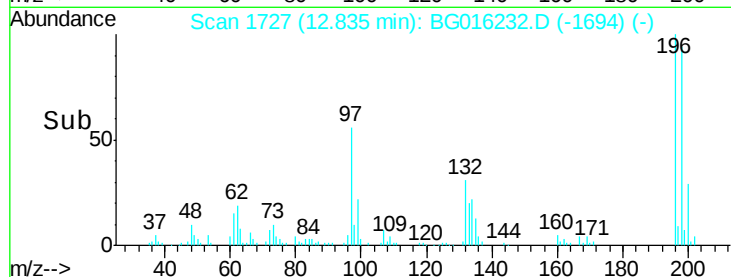
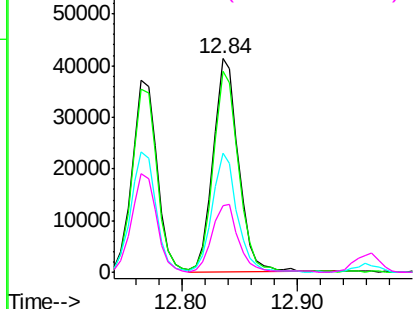
#43
 2,4,5-Trichlorophenol
 Concen: 22.90 ng
 RT: 12.84 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:196 Resp: 62818
 Ion Ratio Lower Upper
 196 100
 198 93.9 77.1 115.7
 97 55.5 46.6 69.8
 132 30.9 27.0 40.6

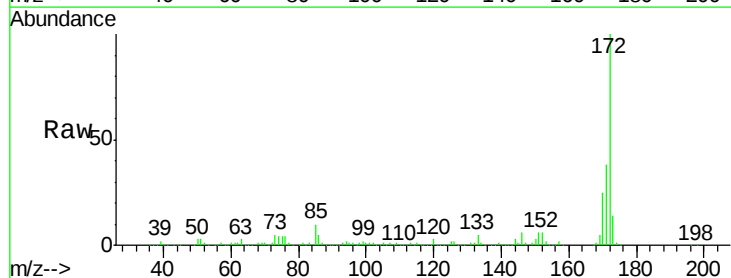


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BG
 Ion 132.00 (131.70 to 132.70): E

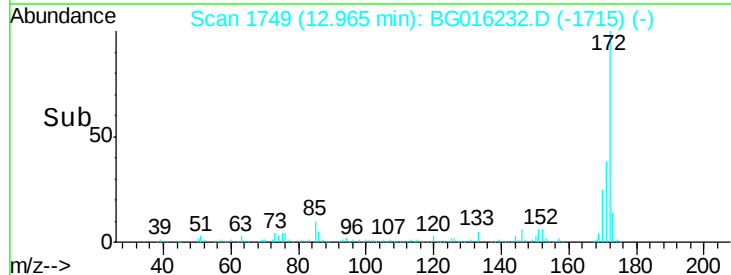
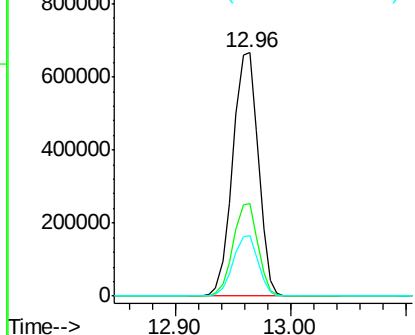


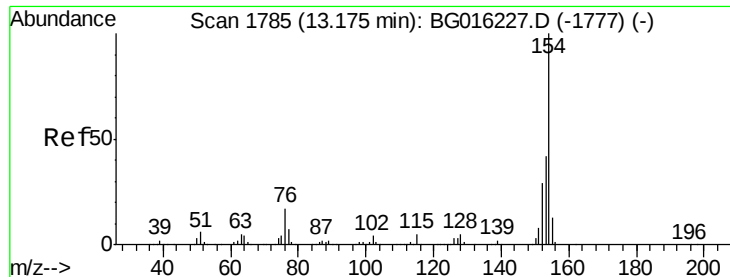
#44
 2-Fluorobiphenyl
 Concen: 110.64 ng
 RT: 12.96 min Scan# 1749
 Delta R.T. 0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

Tgt Ion:172 Resp: 1019951
 Ion Ratio Lower Upper
 172 100
 171 37.8 29.6 44.4
 170 24.8 19.4 29.2



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

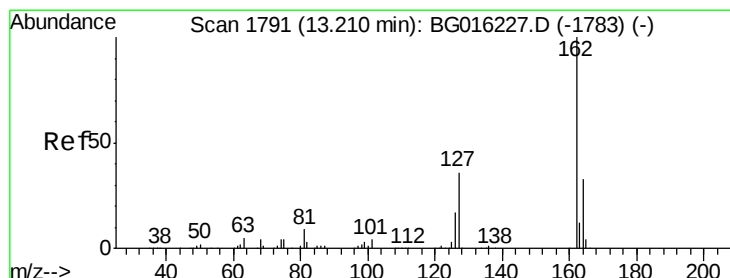
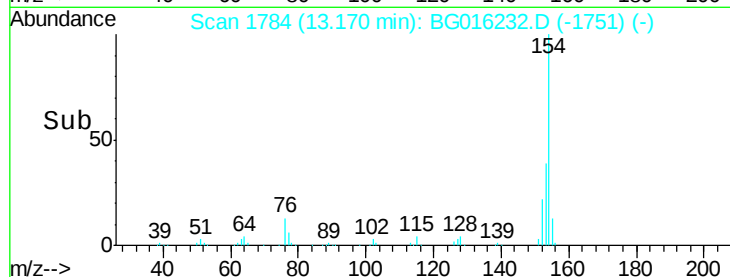
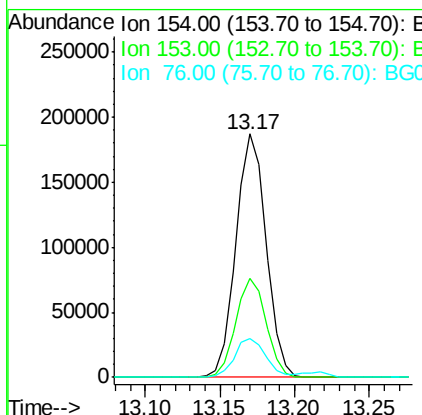
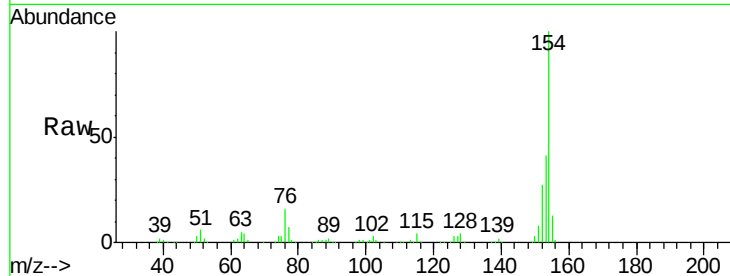




#45
1,1'-Biphenyl
Concen: 21.89 ng
RT: 13.17 min Scan# 1784
Delta R.T. -0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

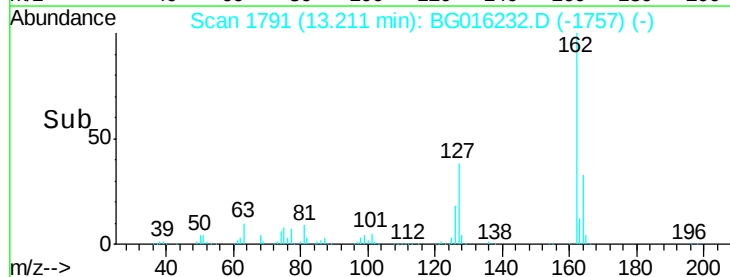
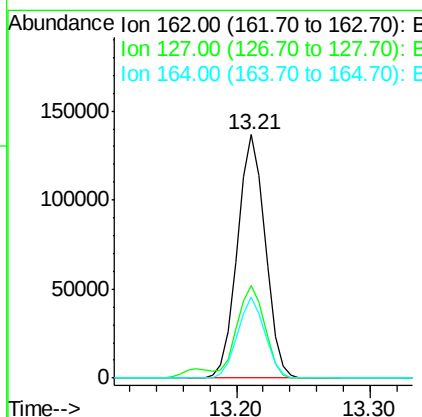
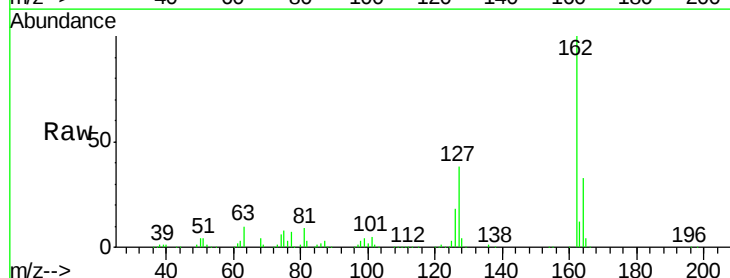
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

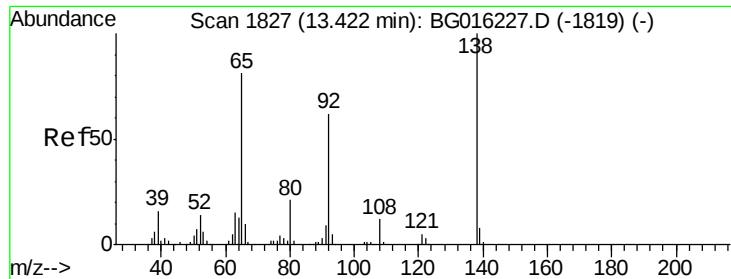
Tgt Ion:	154	Resp:	263610
Ion	Ratio	Lower	Upper
154	100		
153	40.7	22.4	62.4
76	16.0	0.0	37.1



#46
2-Chloronaphthalene
Concen: 21.51 ng
RT: 13.21 min Scan# 1791
Delta R.T. 0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Tgt Ion:	162	Resp:	197298
Ion	Ratio	Lower	Upper
162	100		
127	38.1	30.8	46.2
164	33.2	26.6	40.0





#47

2-Nitroaniline

Concen: 21.37 ng

RT: 13.42 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

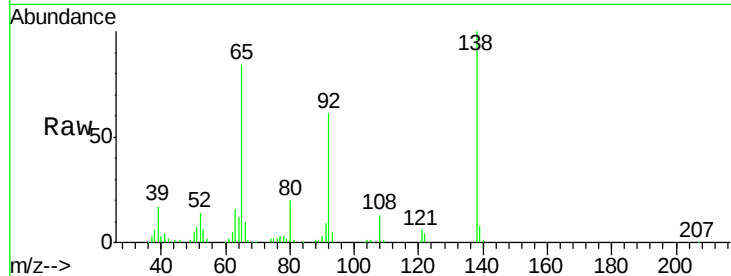
Tgt Ion: 65 Resp: 63180

Ion Ratio Lower Upper

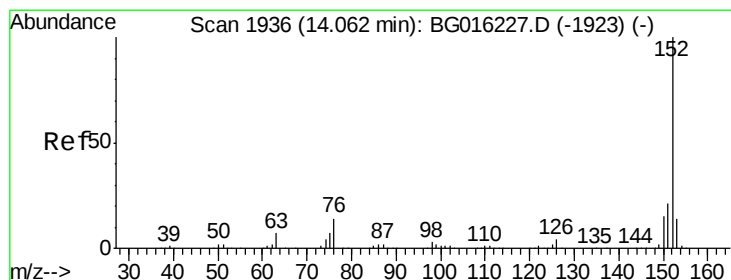
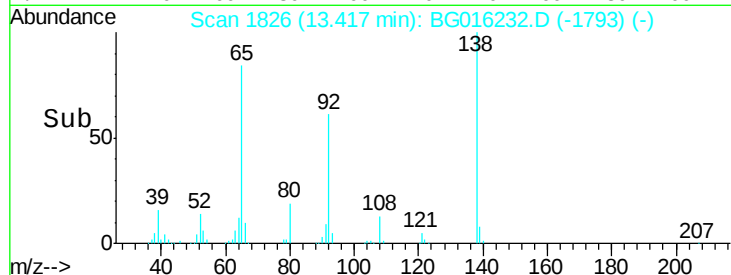
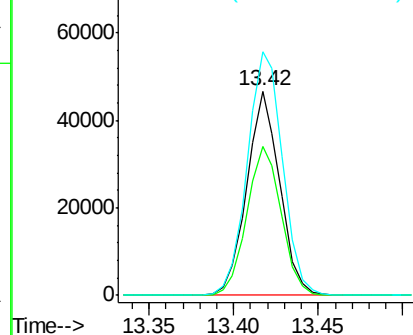
65 100

92 72.8 61.0 91.6

138 119.3 98.7 148.1



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#48

Acenaphthylene

Concen: 21.39 ng

RT: 14.06 min Scan# 1935

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

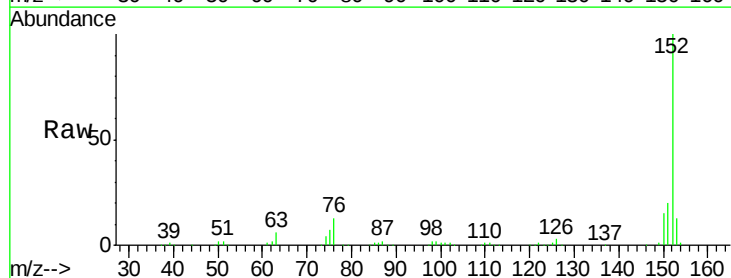
Tgt Ion: 152 Resp: 348874

Ion Ratio Lower Upper

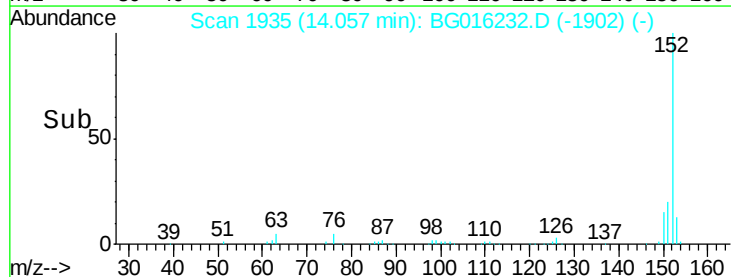
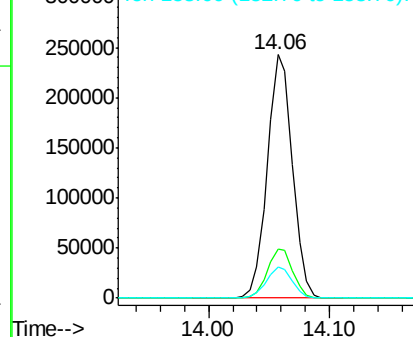
152 100

151 20.0 16.5 24.7

153 12.8 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): BGC
Ion 151.00 (150.70 to 151.70): BGC
Ion 153.00 (152.70 to 153.70): BGC





#49

Dimethylphthalate

Concen: 21.81 ng

RT: 13.80 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

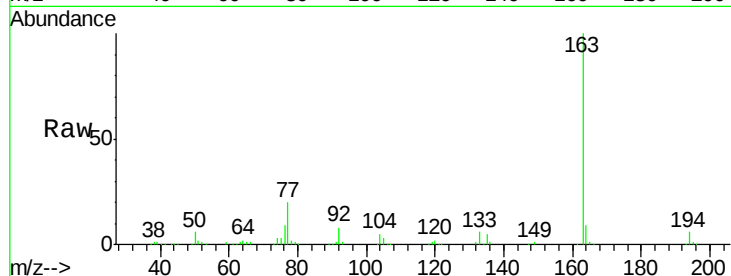
Tgt Ion:163 Resp: 250858

Ion Ratio Lower Upper

163 100

194 5.5 5.0 7.4

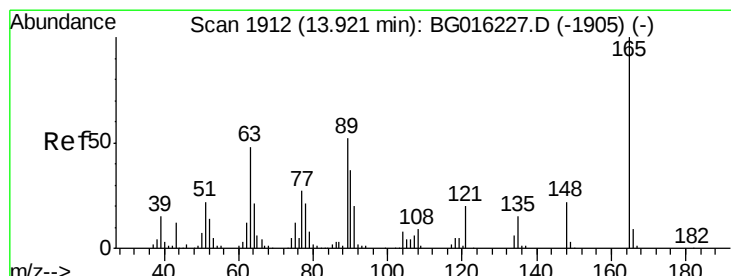
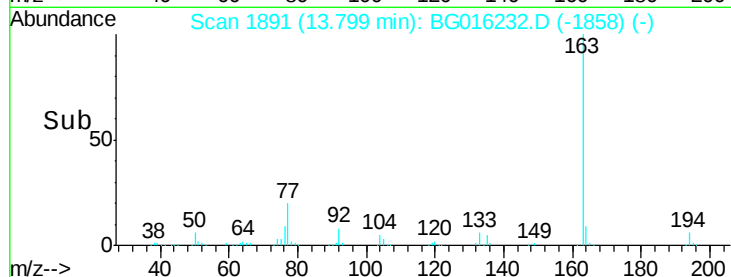
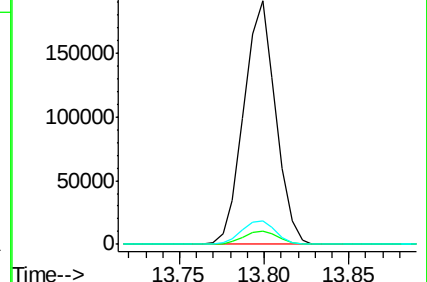
164 9.4 8.2 12.4



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: 22.22 ng

RT: 13.92 min Scan# 1911

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

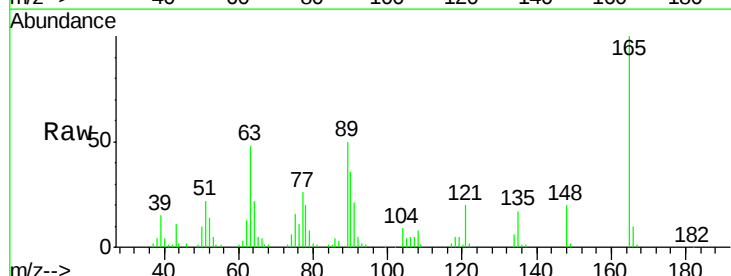
Tgt Ion:165 Resp: 61811

Ion Ratio Lower Upper

165 100

63 48.2 39.3 58.9

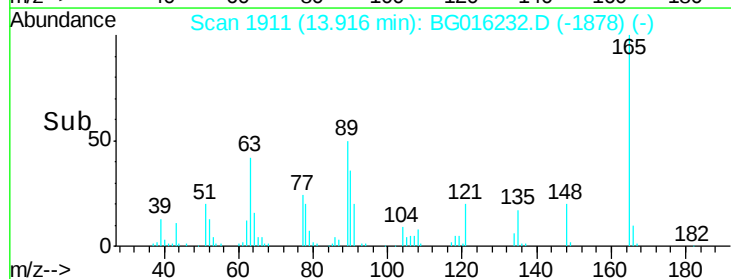
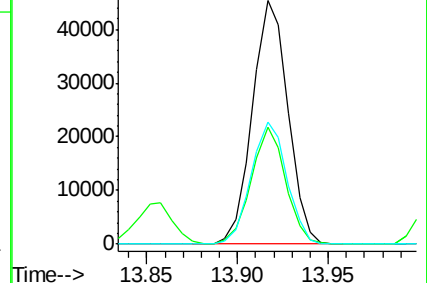
89 49.9 41.3 61.9

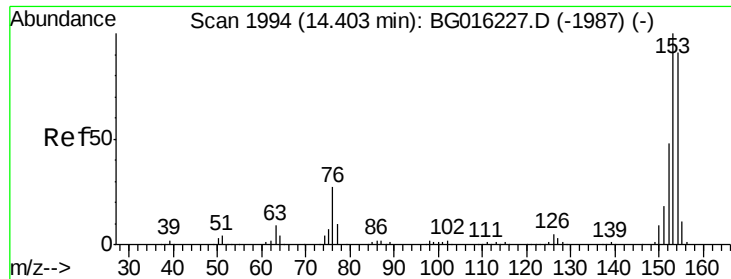


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#51

Acenaphthene

Concen: 21.46 ng

RT: 14.40 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

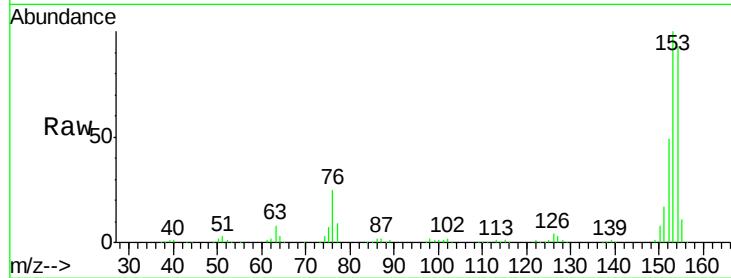
Tgt Ion:154 Resp: 209150

Ion Ratio Lower Upper

154 100

153 107.8 87.5 131.3

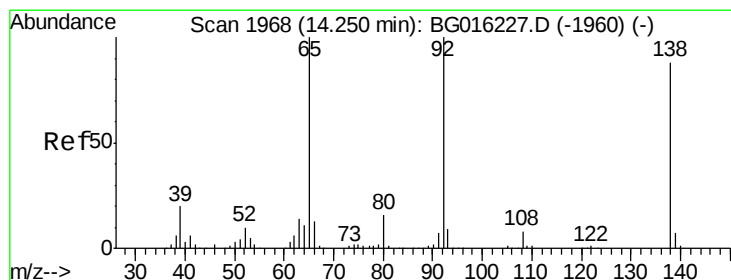
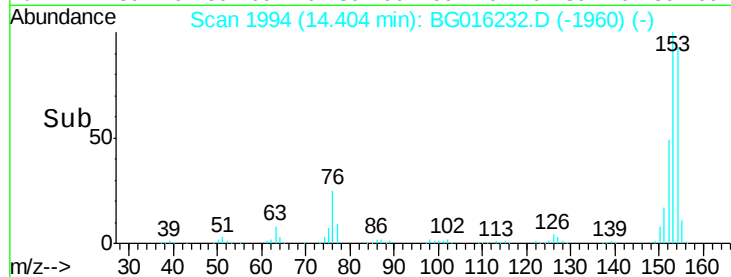
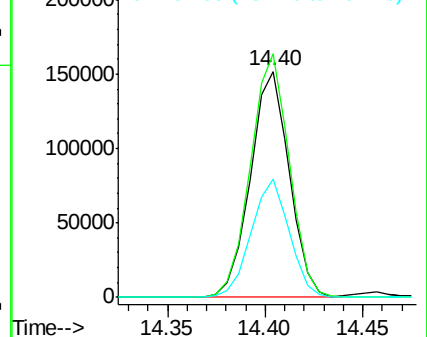
152 52.6 42.1 63.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 13.29 ng

RT: 14.25 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

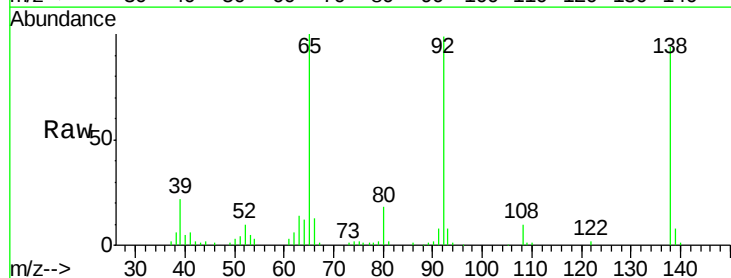
Tgt Ion:138 Resp: 47225

Ion Ratio Lower Upper

138 100

108 10.6 7.4 11.0

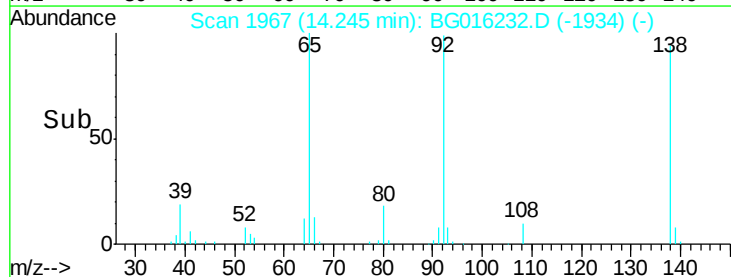
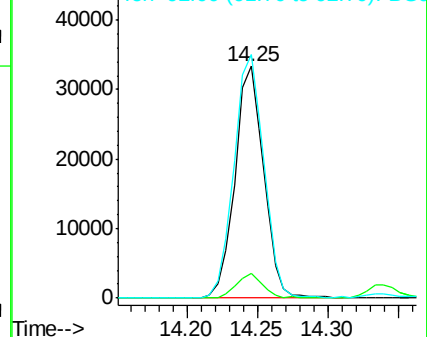
92 105.0 91.4 137.0

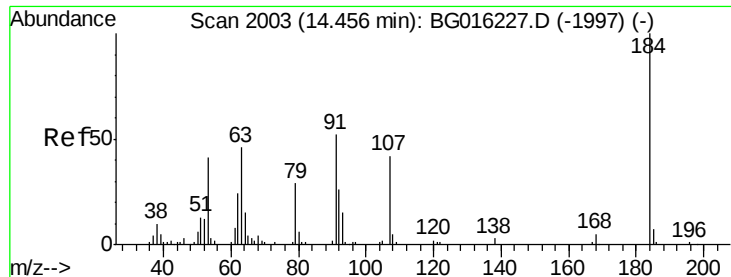


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGO

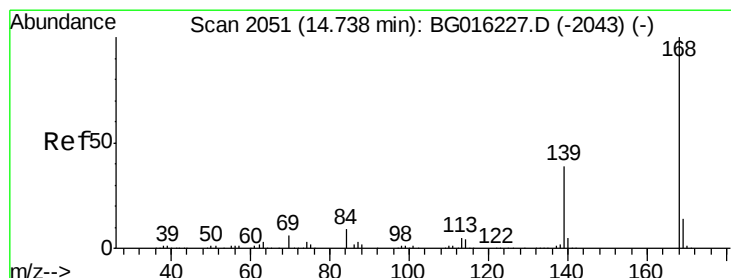
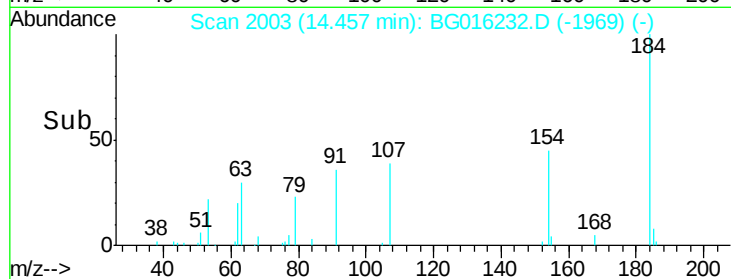
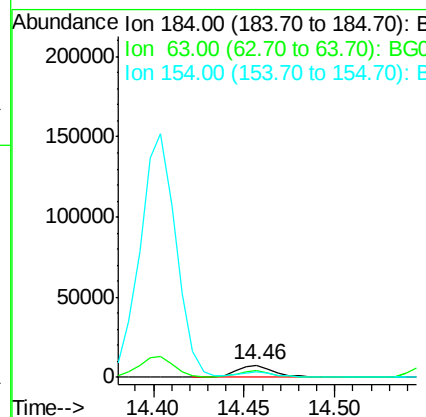
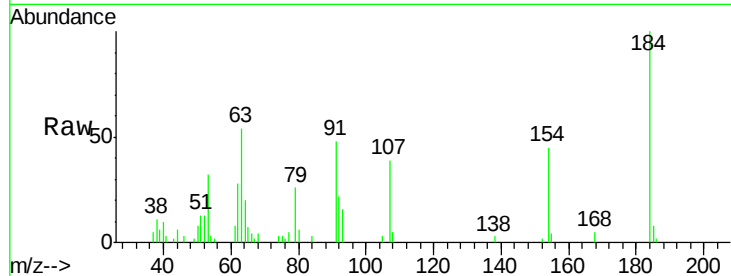




#53
2,4-Dinitrophenol
Concen: 14.45 ng
RT: 14.46 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

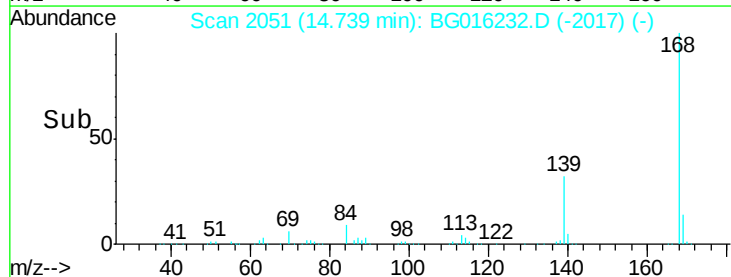
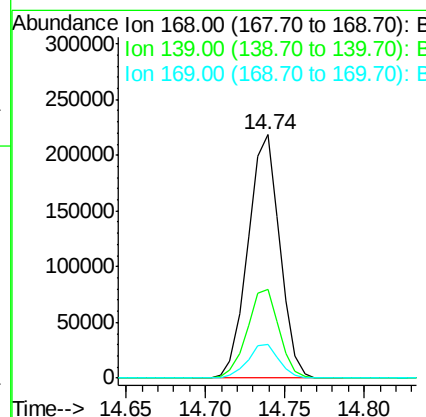
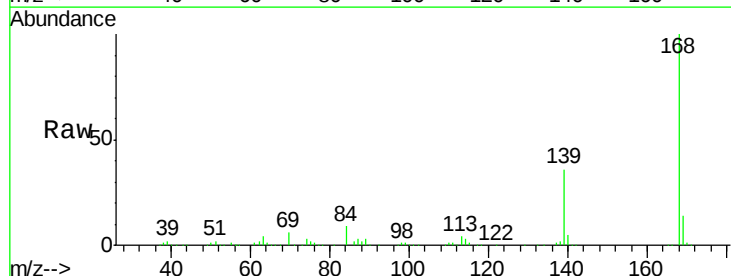
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:184 Resp: 11108
Ion Ratio Lower Upper
184 100
63 54.1 45.8 68.6
154 45.3 34.5 51.7



#54
Dibenzofuran
Concen: 22.44 ng
RT: 14.74 min Scan# 2051
Delta R.T. 0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Tgt Ion:168 Resp: 303434
Ion Ratio Lower Upper
168 100
139 36.4 31.0 46.6
169 14.0 11.2 16.8





#55

4-Nitrophenol

Concen: 21.66 ng

RT: 14.56 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

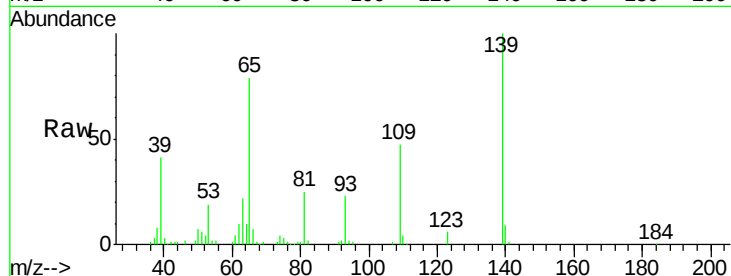
Tgt Ion:139 Resp: 63606

Ion Ratio Lower Upper

139 100

109 46.9 28.5 68.5

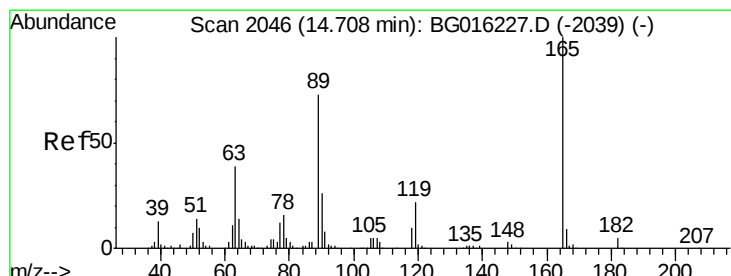
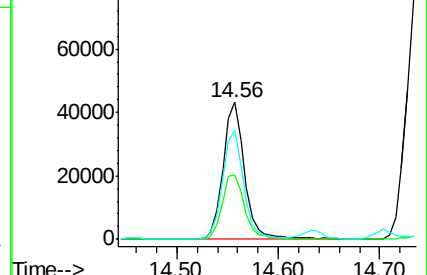
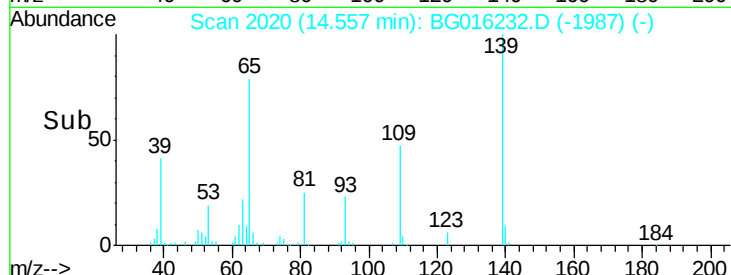
65 79.4 56.9 96.9



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: 22.60 ng

RT: 14.70 min Scan# 2045

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Tgt Ion:165 Resp: 85651

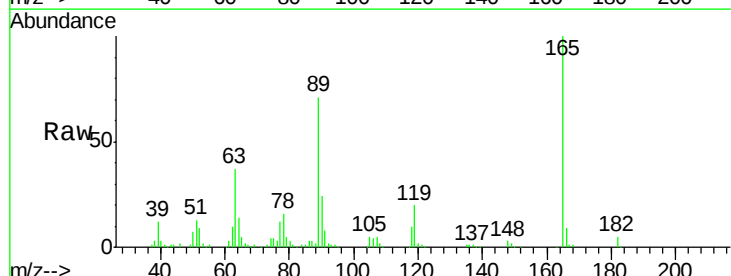
Ion Ratio Lower Upper

165 100

63 36.9 31.4 47.2

89 71.2 58.8 88.2

182 4.7 4.1 6.1

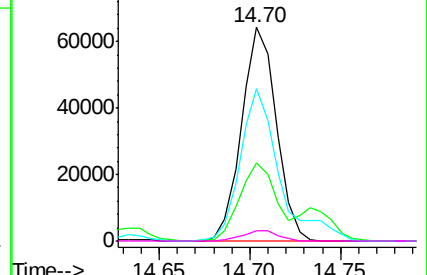
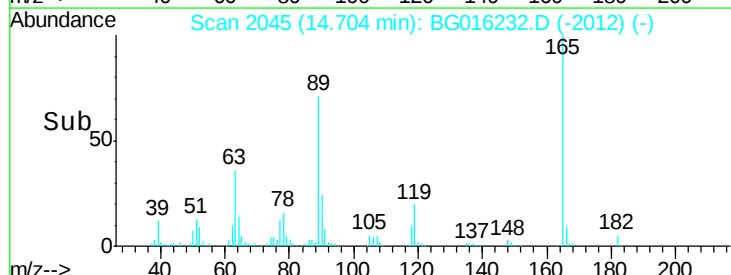


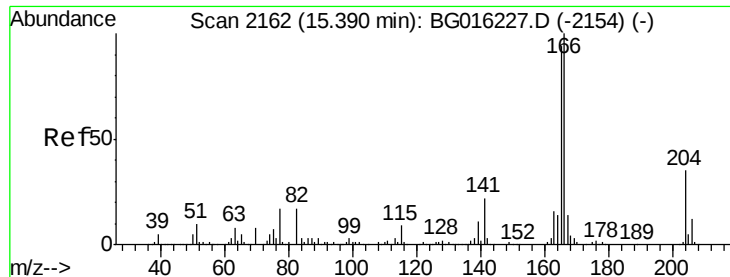
Abundance Ion 165.00 (164.70 to 165.70): E

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: 22.19 ng

RT: 15.39 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

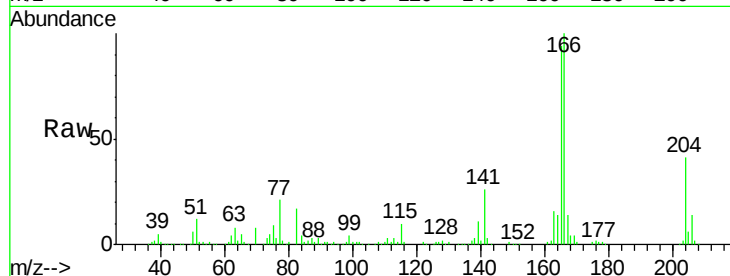
Tgt Ion:166 Resp: 264739

Ion Ratio Lower Upper

166 100

165 93.7 75.2 112.8

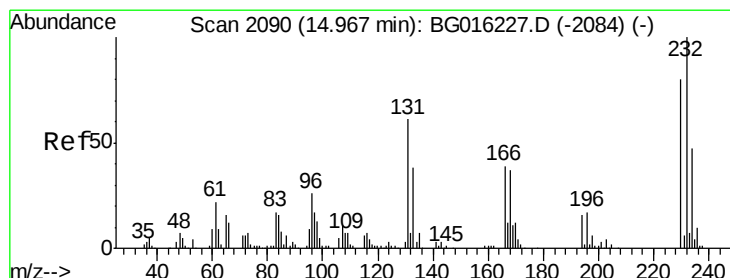
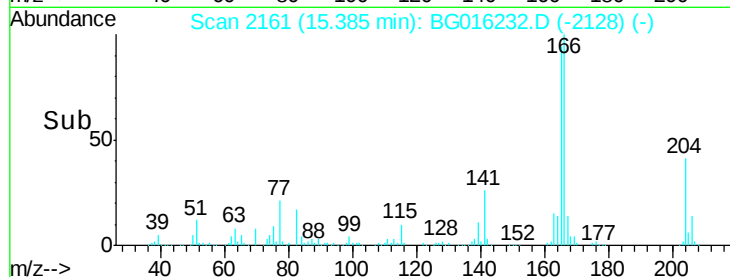
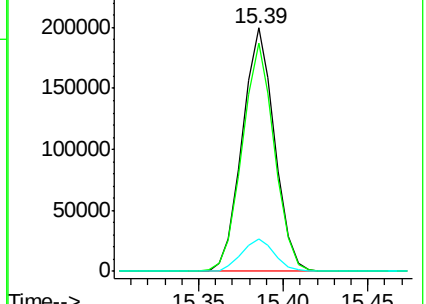
167 13.5 11.3 16.9



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: 22.60 ng

RT: 14.96 min Scan# 2089

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Tgt Ion:232 Resp: 47858

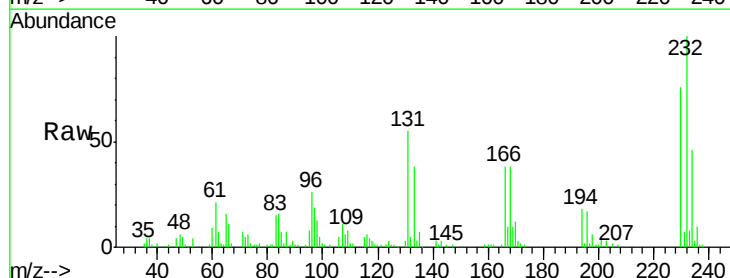
Ion Ratio Lower Upper

232 100

131 58.7 49.8 74.6

130 2.9 2.6 3.8

166 38.5 30.6 45.8

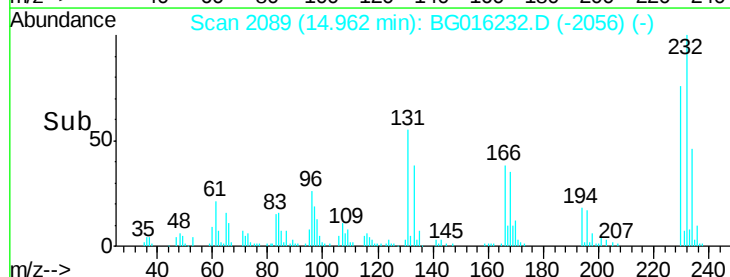
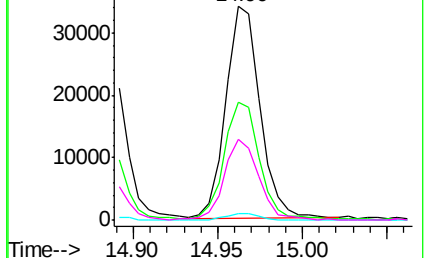


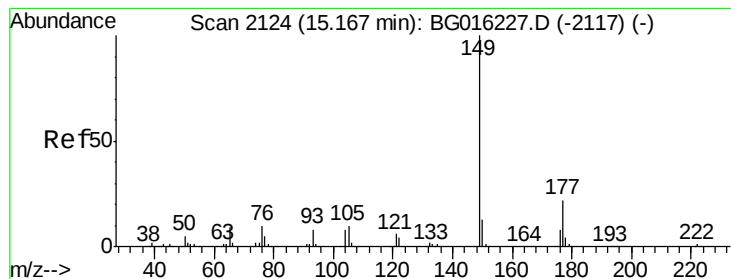
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 22.05 ng

RT: 15.16 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

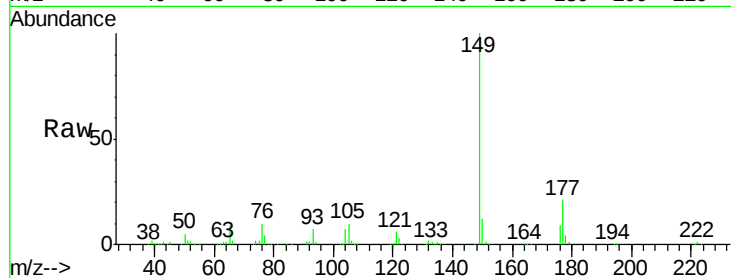
Tgt Ion:149 Resp: 269961

Ion Ratio Lower Upper

149 100

177 20.9 17.7 26.5

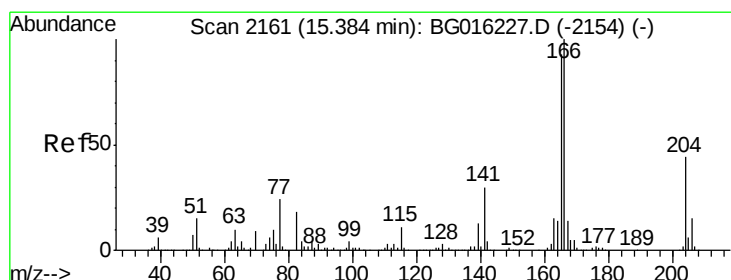
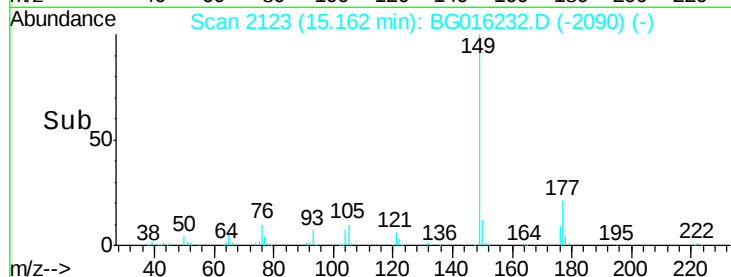
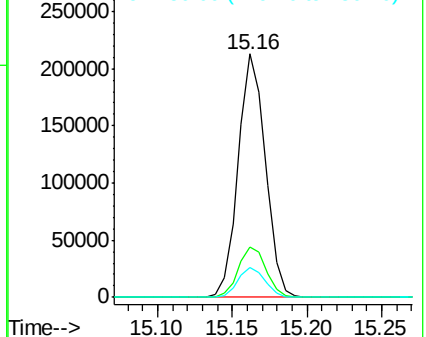
150 12.4 10.0 15.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 22.32 ng

RT: 15.39 min Scan# 2161

Delta R.T. 0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

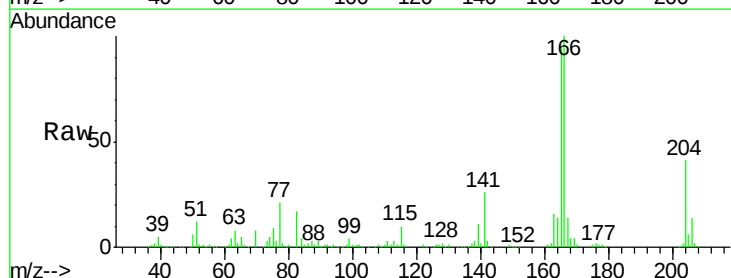
Tgt Ion:204 Resp: 108907

Ion Ratio Lower Upper

204 100

206 33.8 27.6 41.4

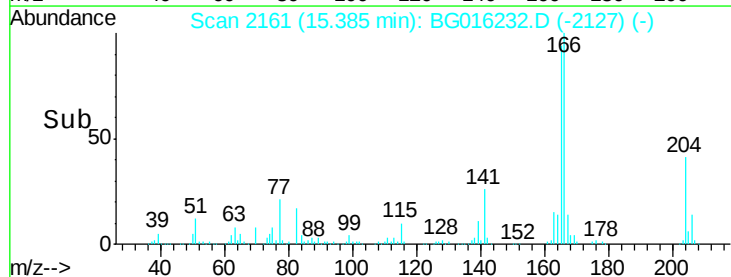
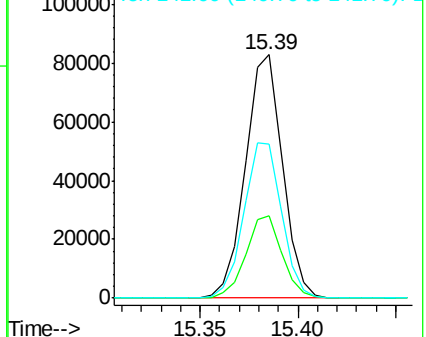
141 63.0 55.4 83.2



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 21.43 ng

RT: 15.41 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

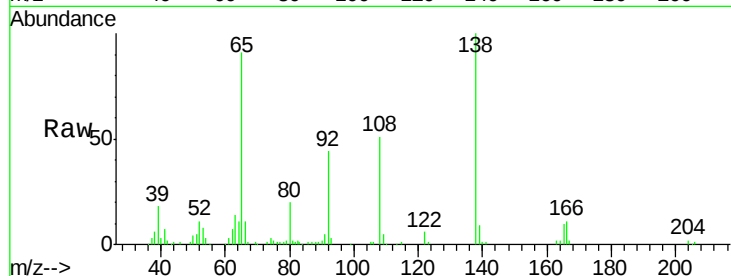
Tgt Ion:138 Resp: 86411

Ion Ratio Lower Upper

138 100

92 43.7 26.3 66.3

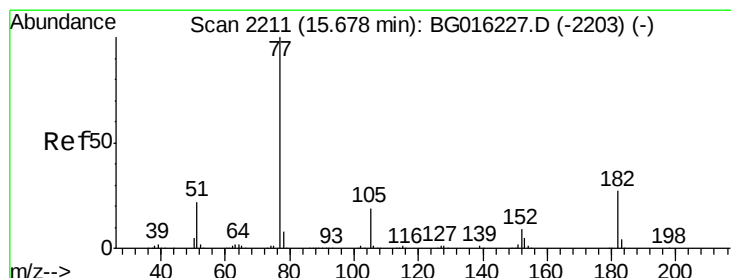
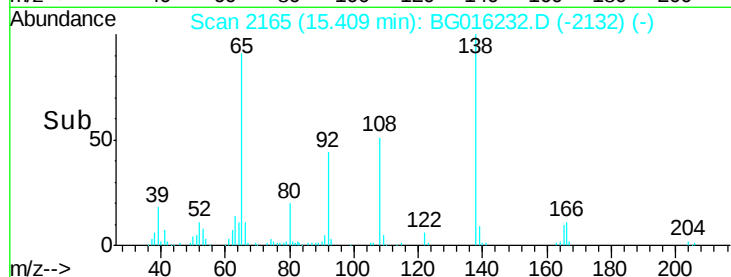
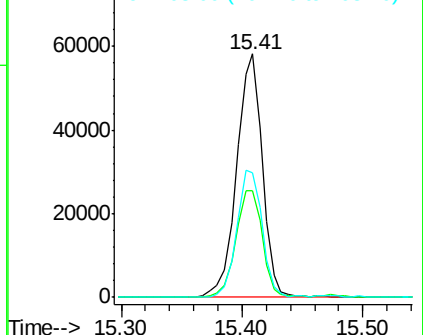
108 51.2 33.6 73.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 22.09 ng

RT: 15.67 min Scan# 2210

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Tgt Ion: 77 Resp: 287825

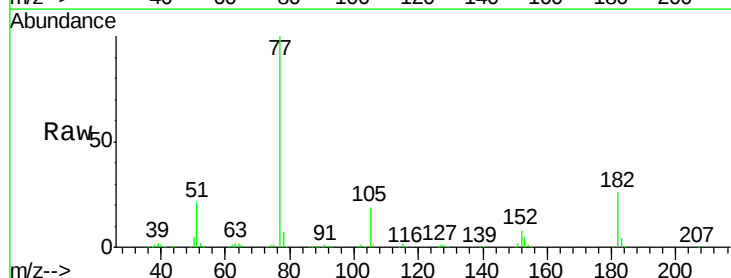
Ion Ratio Lower Upper

77 100

182 25.6 6.6 46.6

105 19.2 0.0 39.2

51 21.2 2.0 42.0

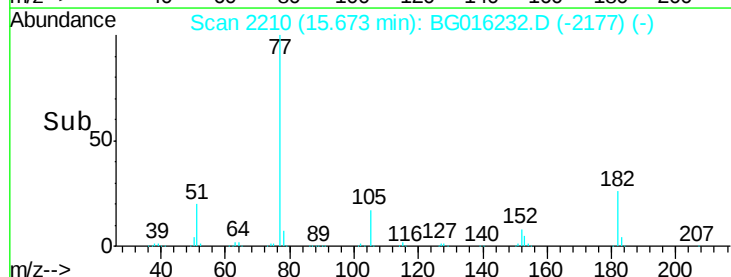
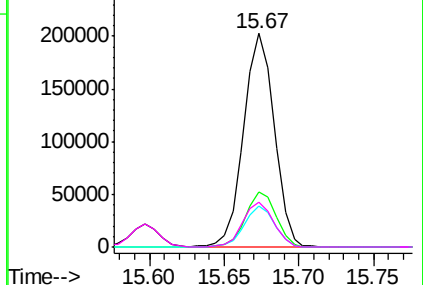


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC

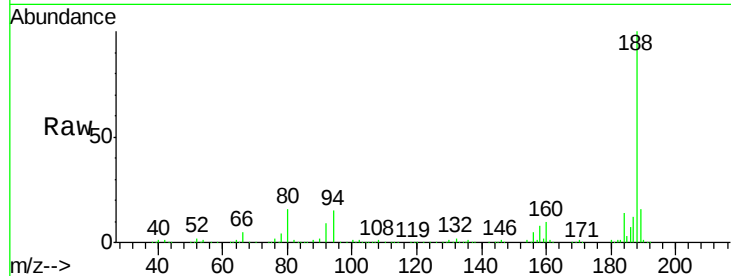




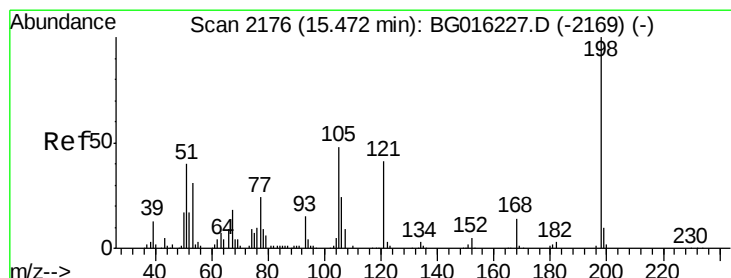
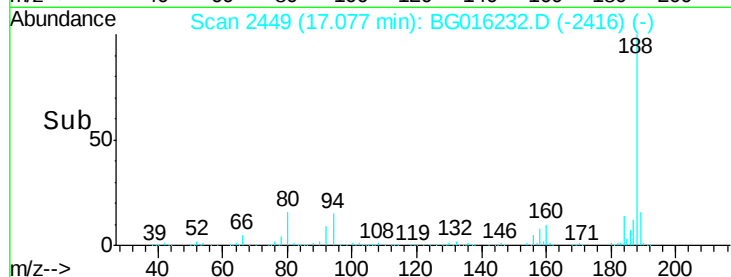
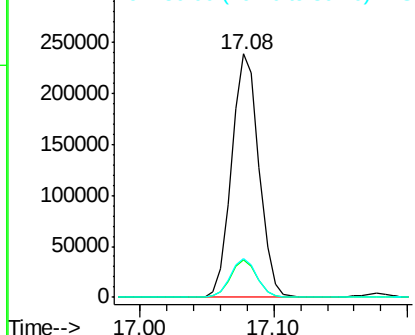
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.08 min Scan# 2449
Delta R.T. -0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:188 Resp: 340322
Ion Ratio Lower Upper
188 100
94 15.2 12.2 18.4
80 15.8 12.8 19.2

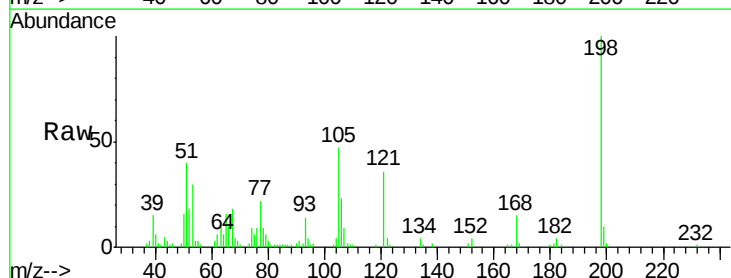


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

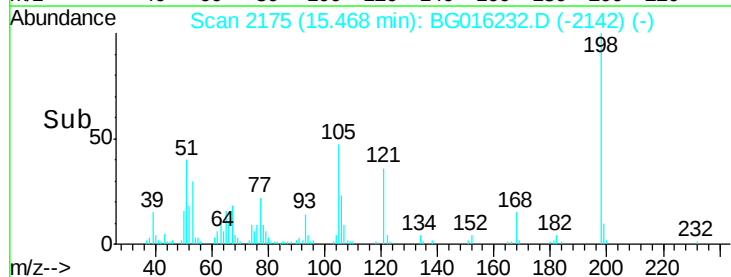
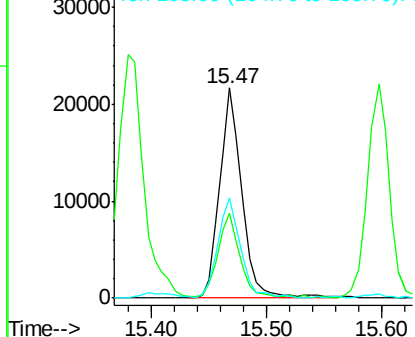


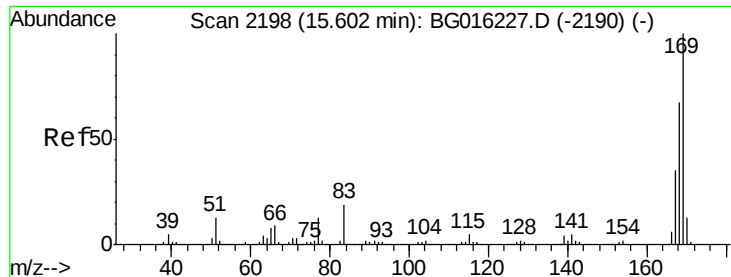
#64
4,6-Dinitro-2-methylphenol
Concen: 15.03 ng
RT: 15.47 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Tgt Ion:198 Resp: 29057
Ion Ratio Lower Upper
198 100
51 40.5 20.7 60.7
105 47.4 28.8 68.8



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

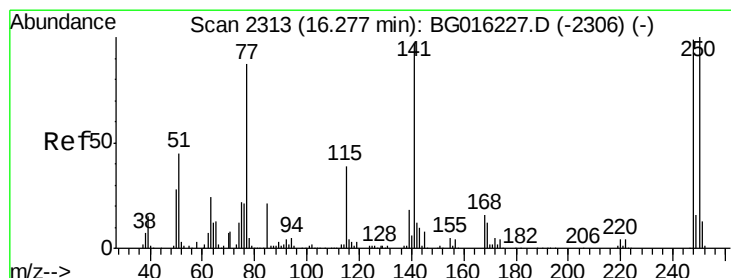
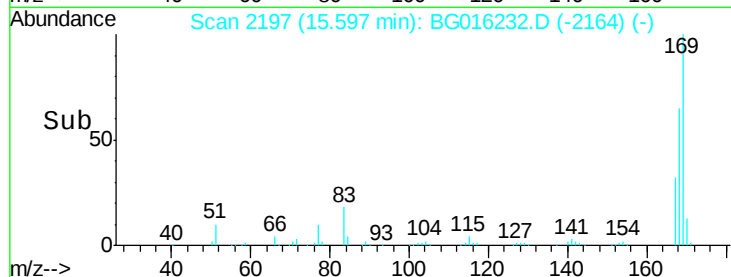
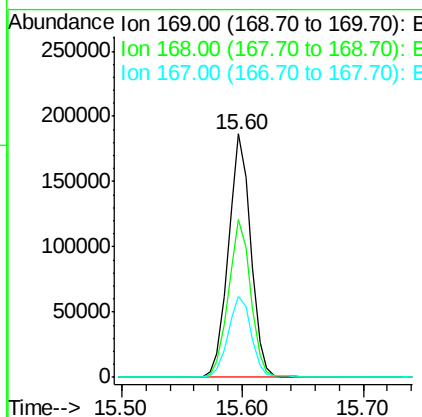
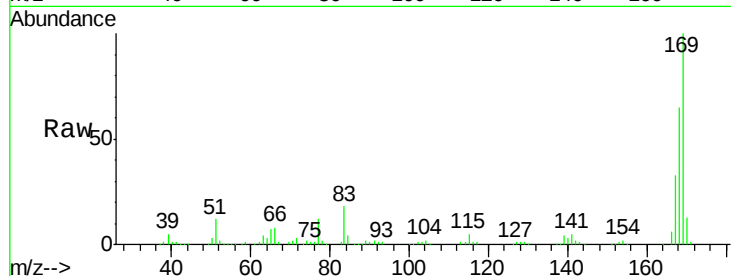




#65
 n-Nitrosodiphenylamine
 Concen: 20.79 ng
 RT: 15.60 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

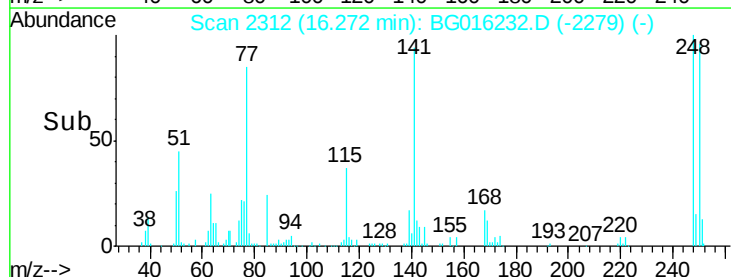
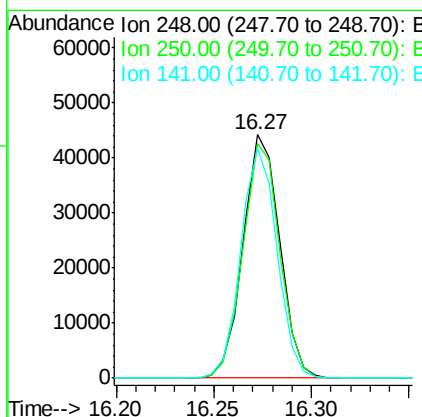
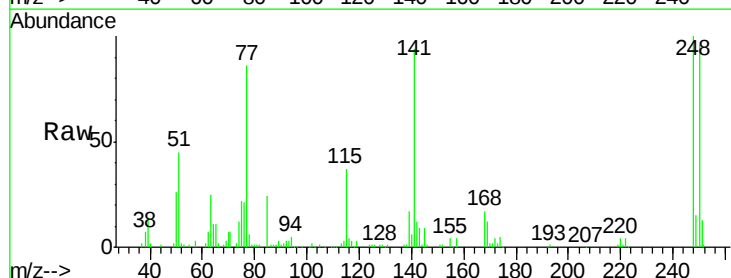
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:169 Resp: 239241
 Ion Ratio Lower Upper
 169 100
 168 64.7 53.4 80.0
 167 33.2 28.3 42.5



#66
 4-Bromophenyl-phenylether
 Concen: 21.22 ng
 RT: 16.27 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

Tgt Ion:248 Resp: 57650
 Ion Ratio Lower Upper
 248 100
 250 96.4 80.5 120.7
 141 94.2 78.2 117.4

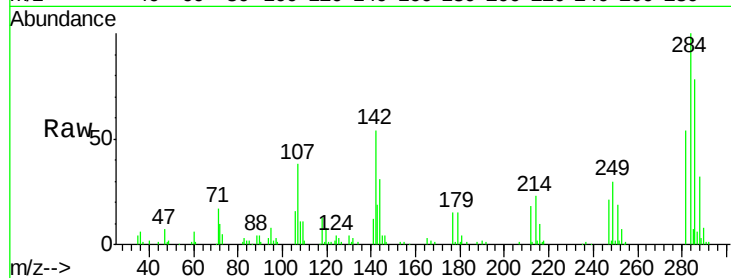




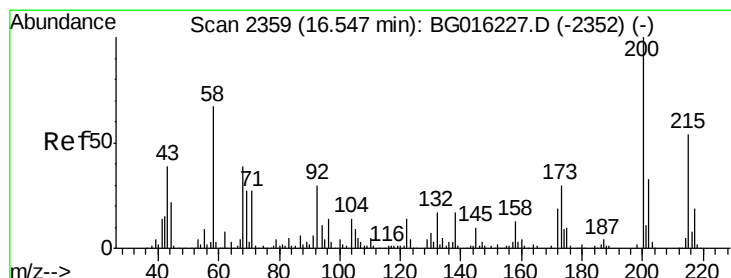
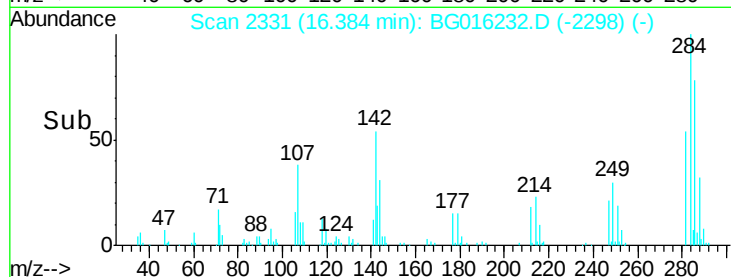
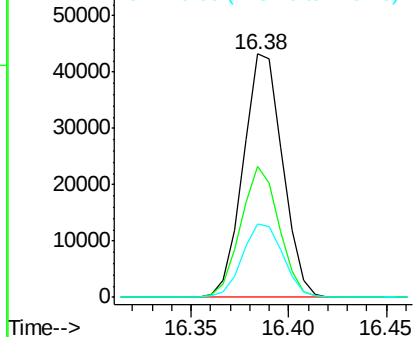
#67
Hexachlorobenzene
Concen: 21.42 ng
RT: 16.38 min Scan# 2331
Delta R.T. -0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:284 Resp: 60487
Ion Ratio Lower Upper
284 100
142 53.7 44.2 66.2
249 30.0 24.8 37.2

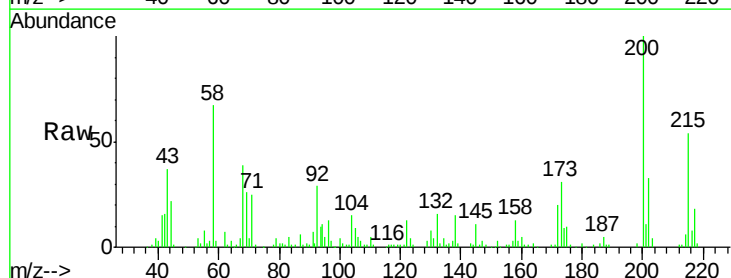


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

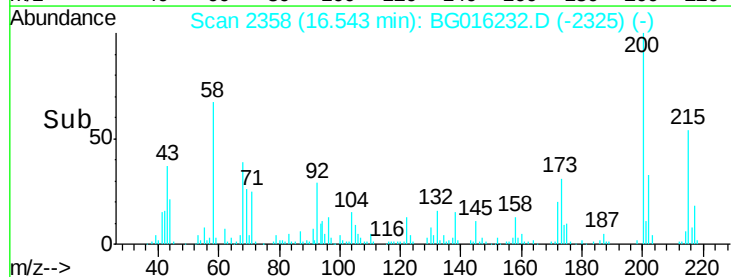
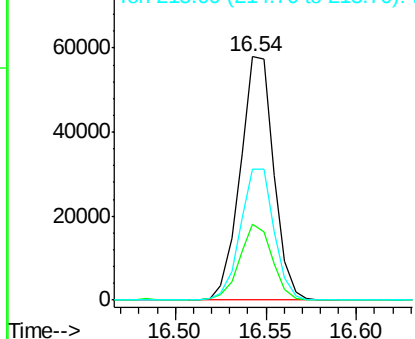


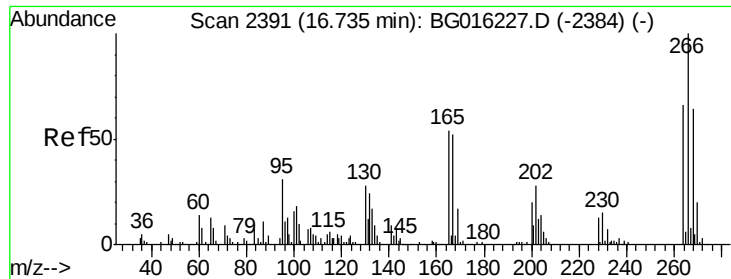
#68
Atrazine
Concen: 23.08 ng
RT: 16.54 min Scan# 2358
Delta R.T. -0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Tgt Ion:200 Resp: 74009
Ion Ratio Lower Upper
200 100
173 31.2 10.2 50.2
215 53.7 34.4 74.4



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

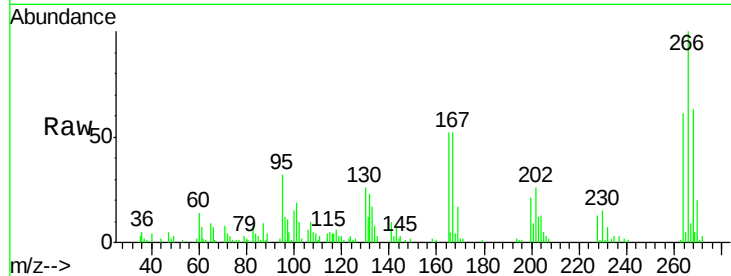




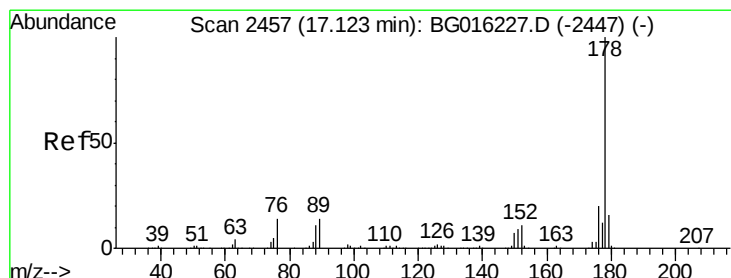
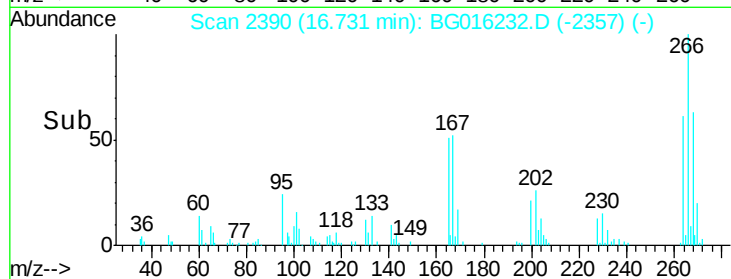
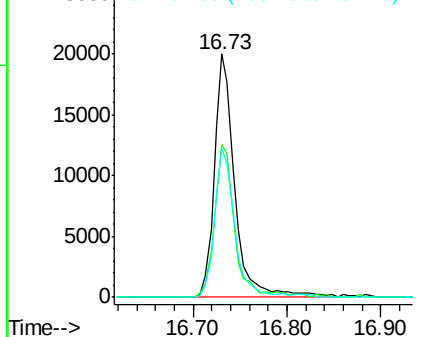
#69
 Pentachlorophenol
 Concen: 17.59 ng
 RT: 16.73 min Scan# 2390
 Delta R.T. -0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:266 Resp: 30325
 Ion Ratio Lower Upper
 266 100
 268 62.8 50.9 76.3
 264 61.1 52.8 79.2

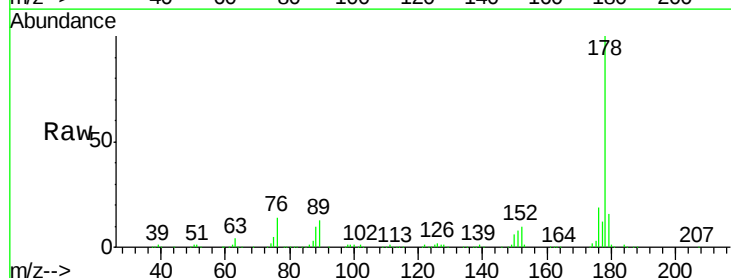


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

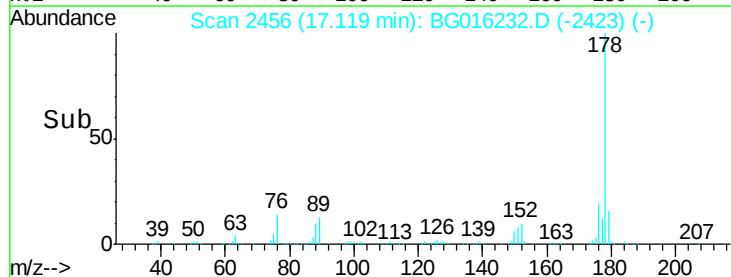
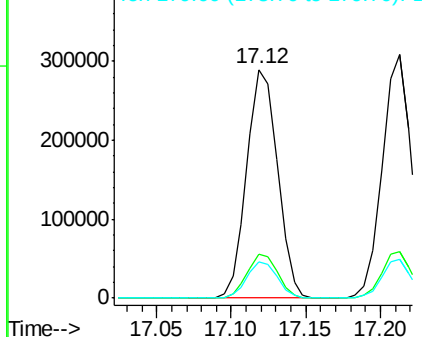


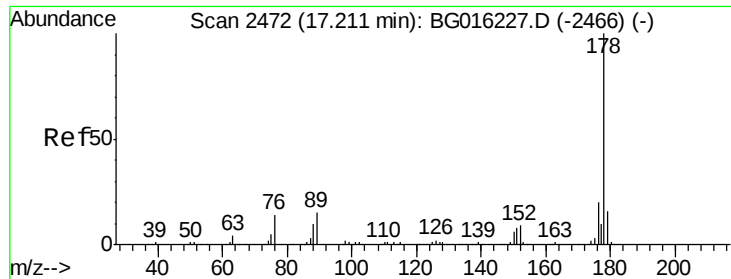
#70
 Phenanthrene
 Concen: 21.62 ng
 RT: 17.12 min Scan# 2456
 Delta R.T. -0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

Tgt Ion:178 Resp: 413858
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 15.9 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

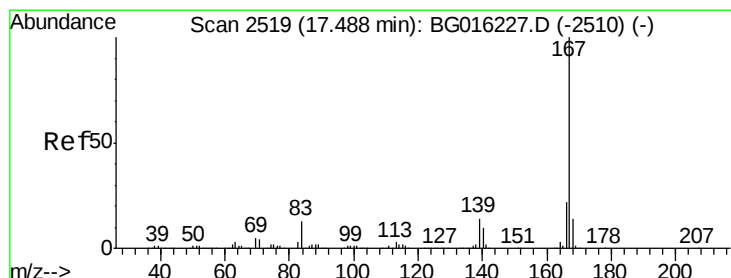
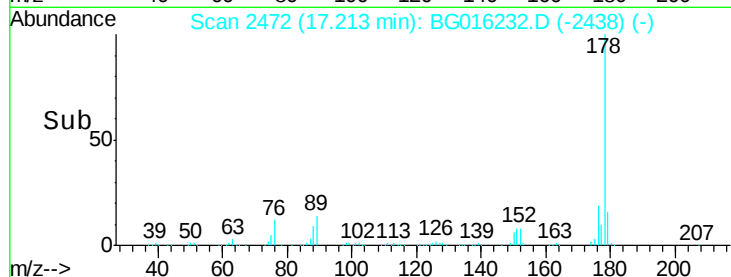
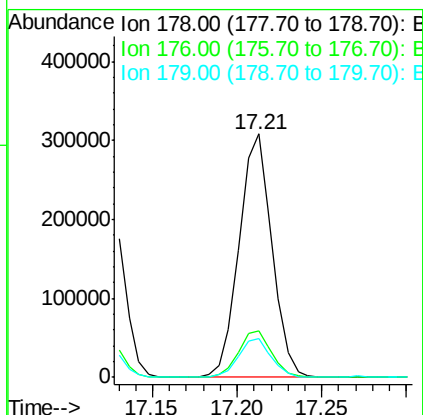
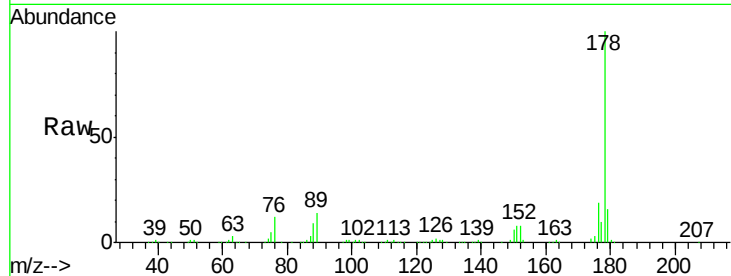




#71
 Anthracene
 Concen: 21.92 ng
 RT: 17.21 min Scan# 2472
 Delta R.T. 0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

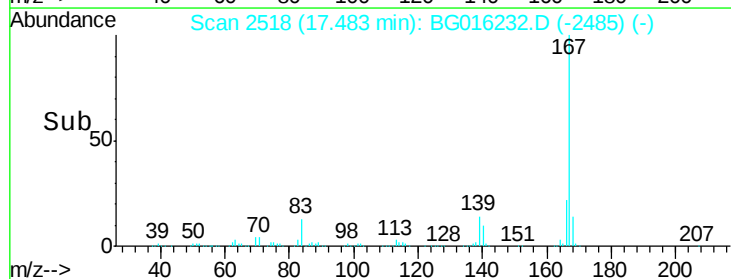
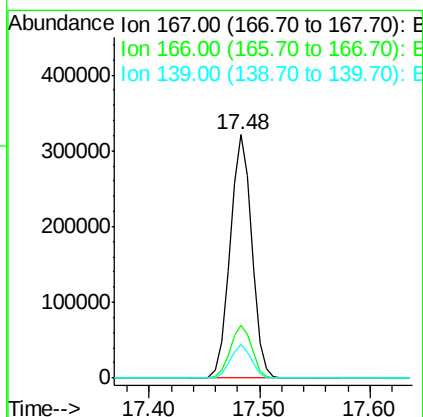
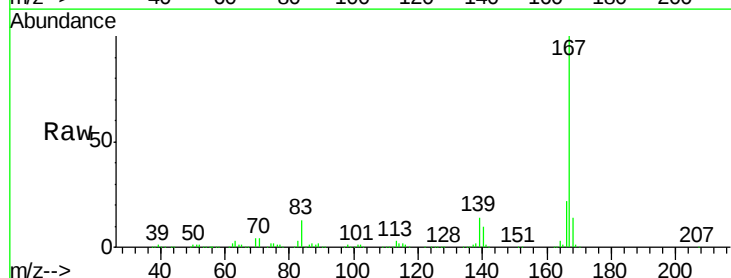
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

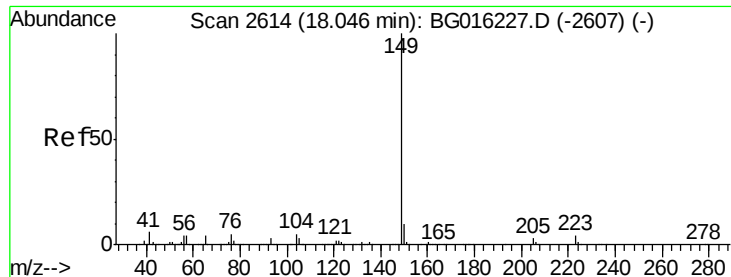
Tgt Ion:178 Resp: 415878
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.9 23.9
 179 15.7 13.0 19.6



#72
 Carbazole
 Concen: 23.28 ng
 RT: 17.48 min Scan# 2518
 Delta R.T. -0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

Tgt Ion:167 Resp: 443170
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.9 26.9
 139 13.7 11.5 17.3

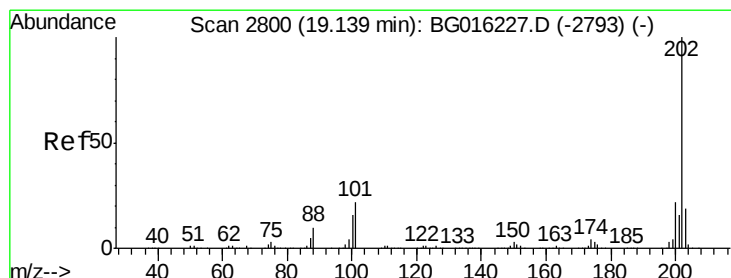
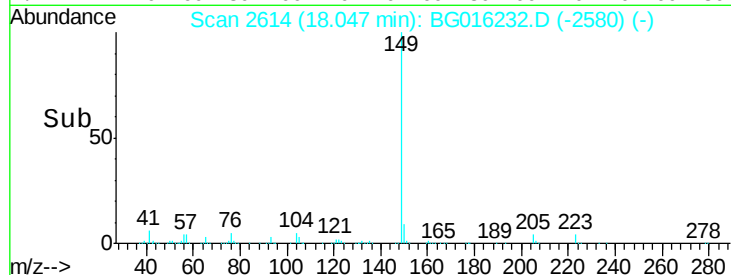
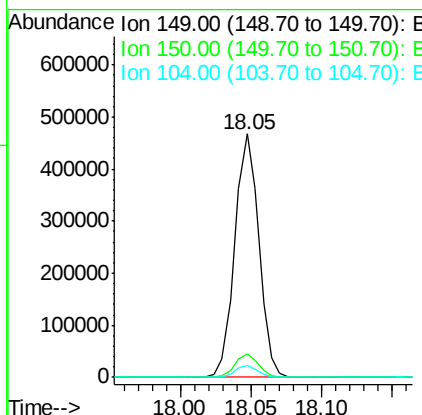
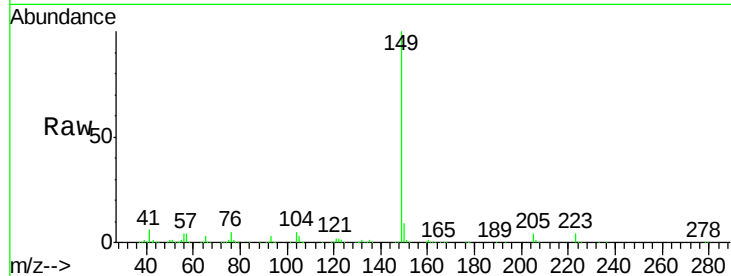




#73
Di-n-butylphthalate
Concen: 23.78 ng
RT: 18.05 min Scan# 2614
Delta R.T. 0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

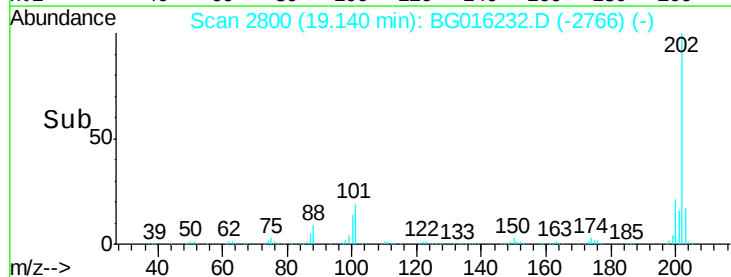
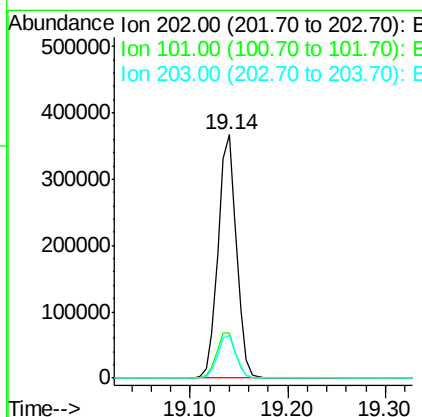
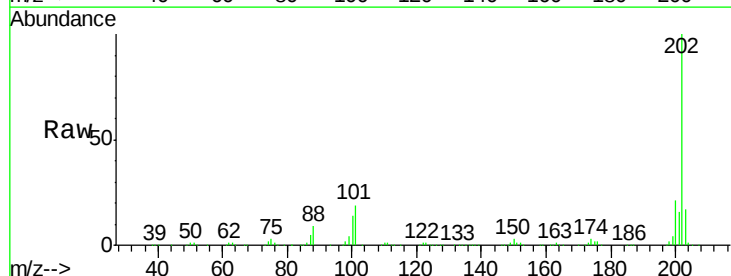
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

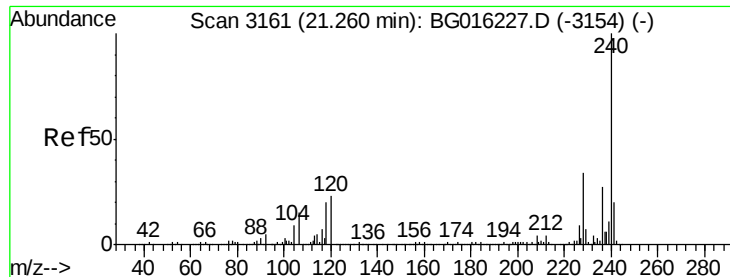
Tgt Ion:149 Resp: 553970
Ion Ratio Lower Upper
149 100
150 9.4 8.2 12.4
104 4.8 4.0 6.0



#74
Fluoranthene
Concen: 24.22 ng
RT: 19.14 min Scan# 2800
Delta R.T. 0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Tgt Ion:202 Resp: 477833
Ion Ratio Lower Upper
202 100
101 18.6 1.7 41.7
203 17.4 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.25 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

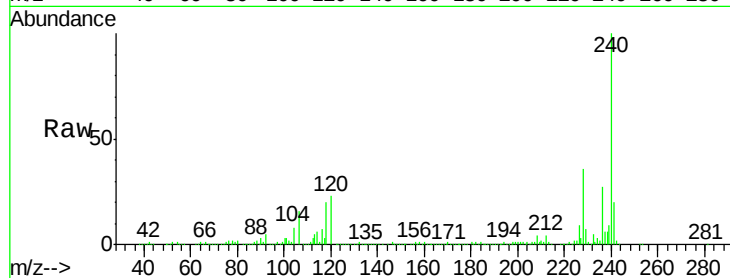
Tgt Ion:240 Resp: 346264

Ion Ratio Lower Upper

240 100

120 23.4 18.6 28.0

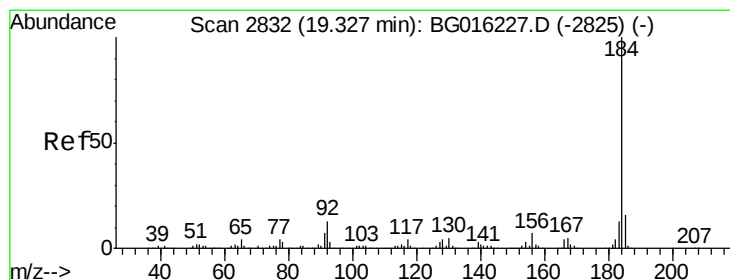
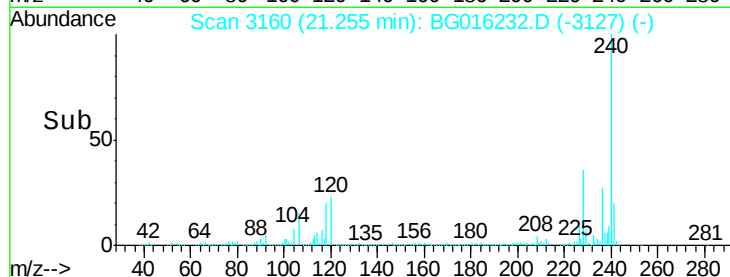
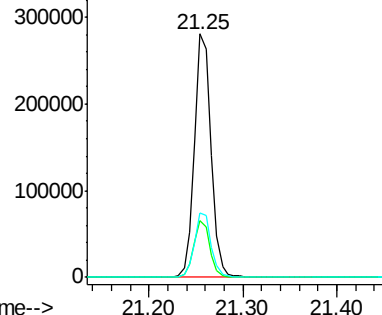
236 26.7 21.7 32.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 5.78 ng

RT: 19.32 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

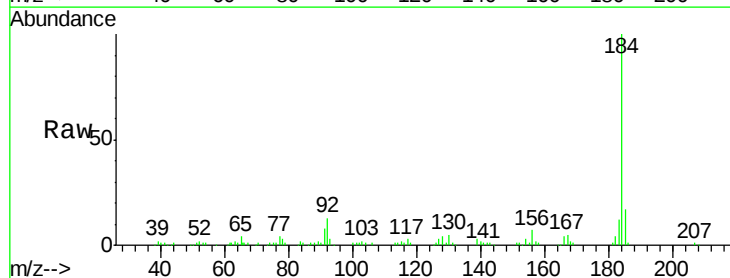
Tgt Ion:184 Resp: 84944

Ion Ratio Lower Upper

184 100

185 16.7 12.6 19.0

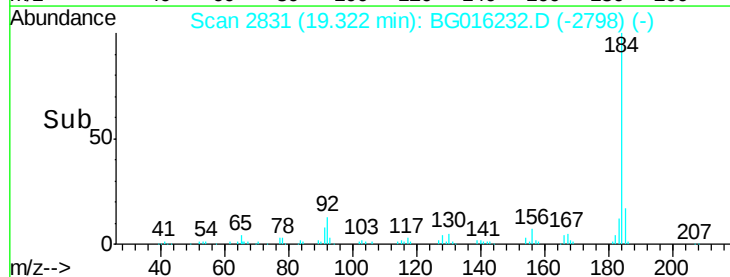
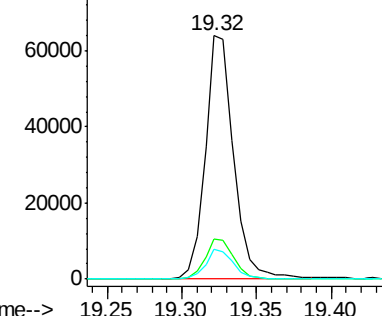
183 12.3 10.4 15.6

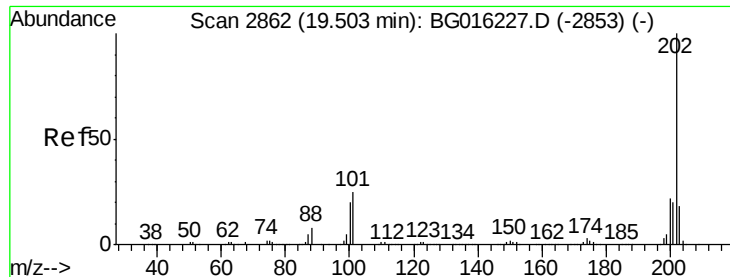


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

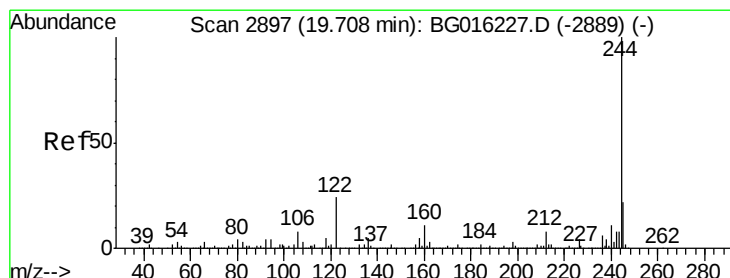
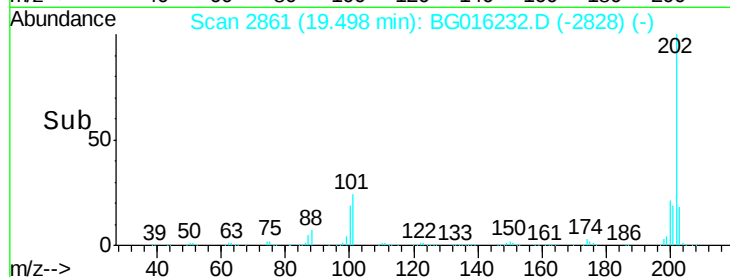
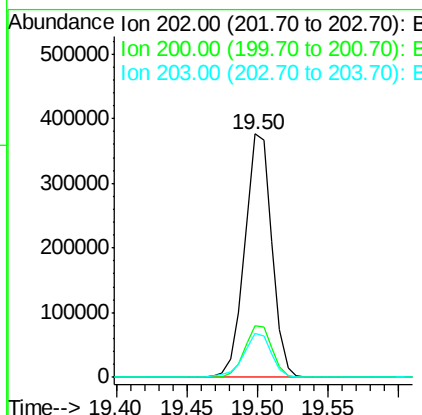
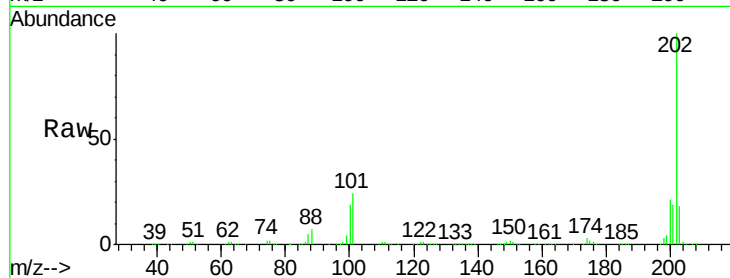




#77
 Pyrene
 Concen: 20.94 ng
 RT: 19.50 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

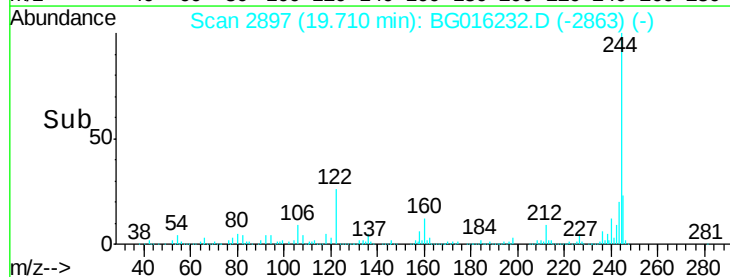
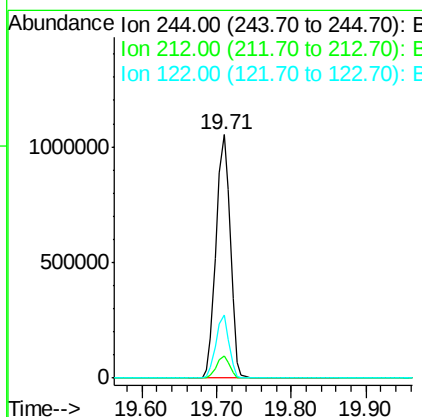
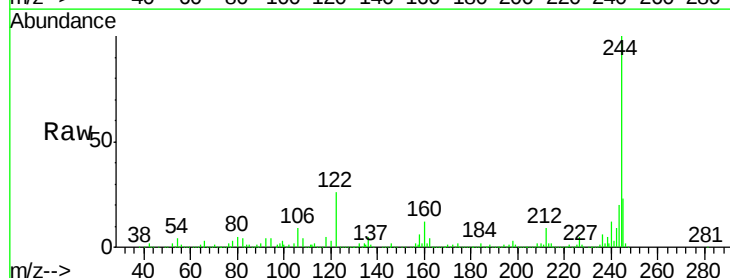
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.8
203	18.2	14.7	22.1



#78
 Terphenyl-d14
 Concen: 93.74 ng
 RT: 19.71 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.3	6.6	9.8
122	26.2	19.1	28.7

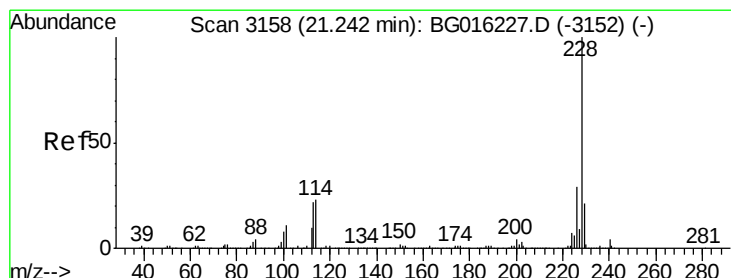
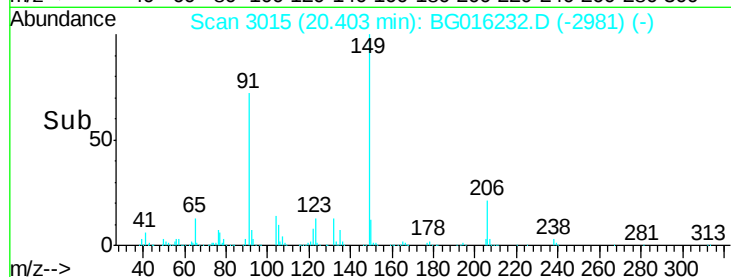
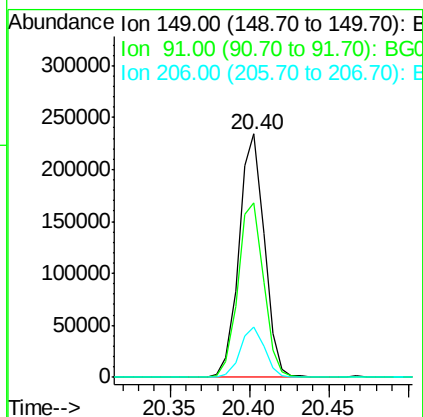
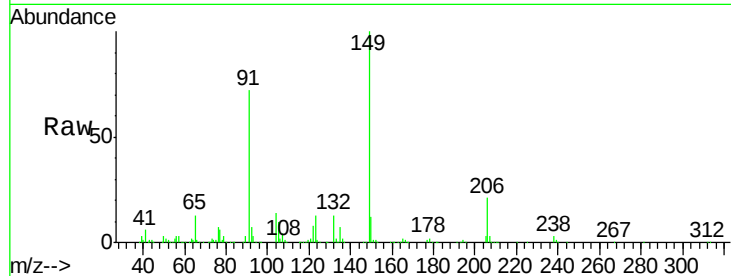




#79
Butylbenzylphthalate
Concen: 21.92 ng
RT: 20.40 min Scan# 3015
Delta R.T. 0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

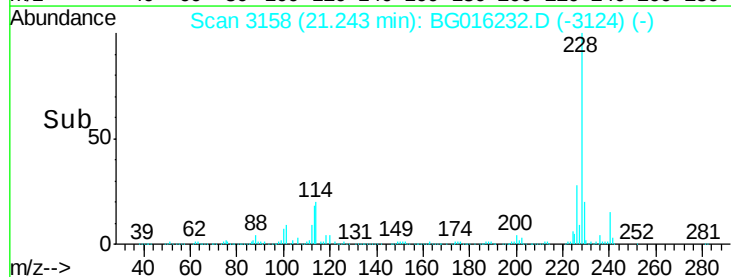
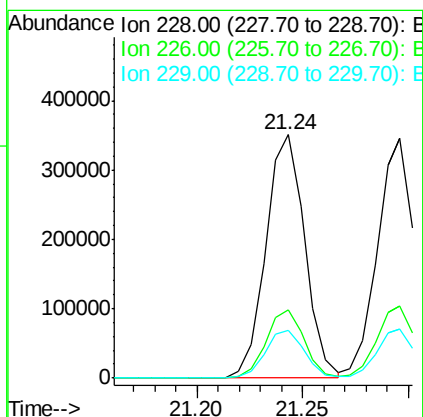
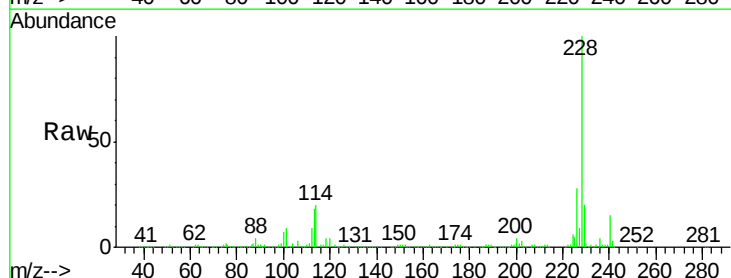
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

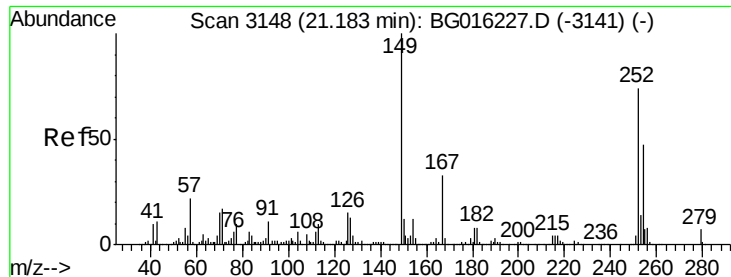
Tgt Ion:149 Resp: 259688
Ion Ratio Lower Upper
149 100
91 71.9 59.4 89.2
206 20.7 15.6 23.4



#80
Benzo(a)anthracene
Concen: 21.89 ng
RT: 21.24 min Scan# 3158
Delta R.T. 0.00 min
Lab File: BG016232.D
Acq: 6 Apr 2015 20:15

Tgt Ion:228 Resp: 447991
Ion Ratio Lower Upper
228 100
226 27.8 23.5 35.3
229 19.6 16.8 25.2

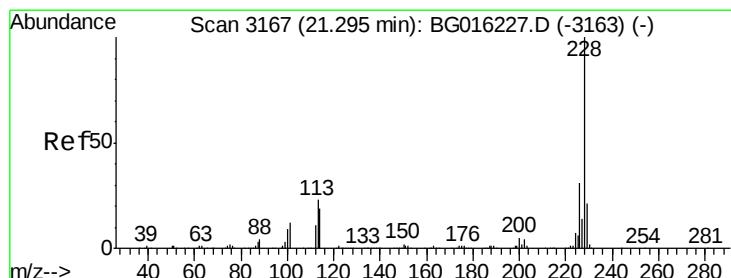
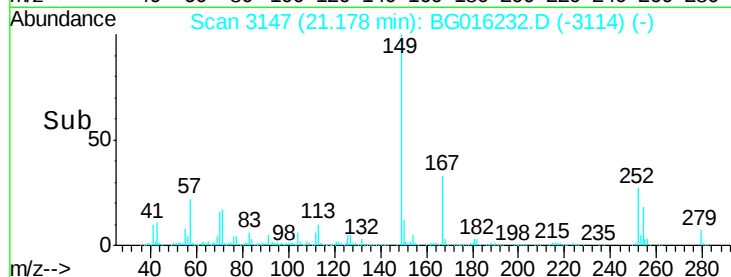
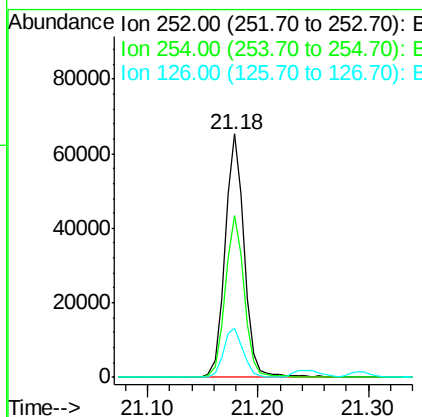
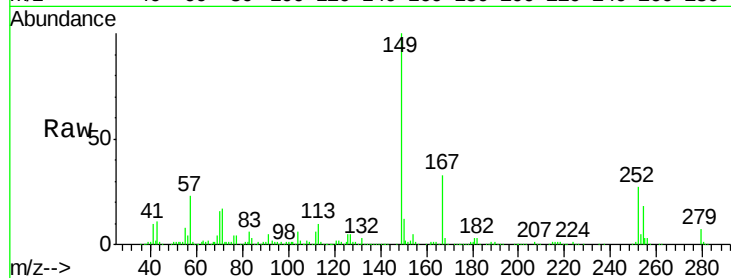




#81
 3,3'-Dichlorobenzidine
 Concen: 11.77 ng
 RT: 21.18 min Scan# 3147
 Delta R.T. -0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

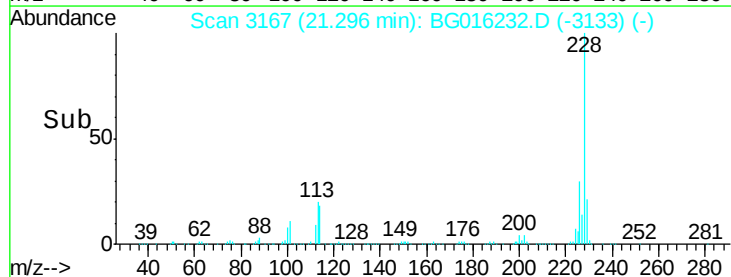
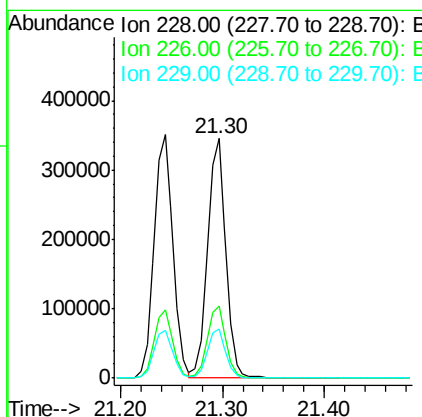
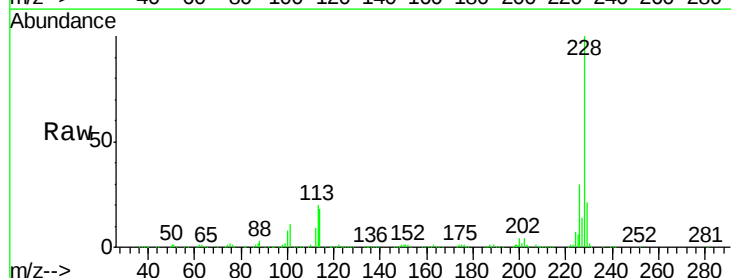
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

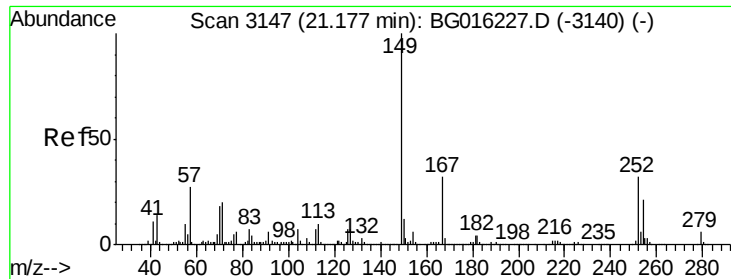
Tgt Ion:252 Resp: 79214
 Ion Ratio Lower Upper
 252 100
 254 66.4 50.8 76.2
 126 20.2 16.0 24.0



#82
 Chrysene
 Concen: 21.64 ng
 RT: 21.30 min Scan# 3167
 Delta R.T. 0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

Tgt Ion:228 Resp: 427589
 Ion Ratio Lower Upper
 228 100
 226 30.4 25.0 37.4
 229 20.6 17.0 25.4

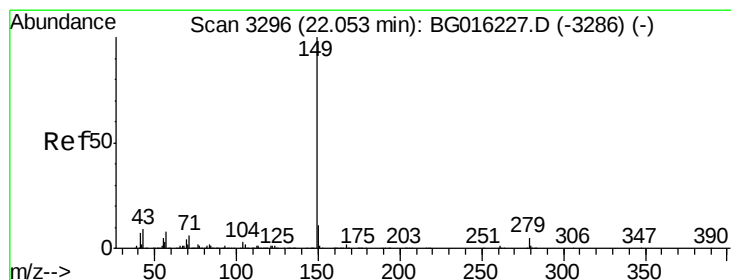
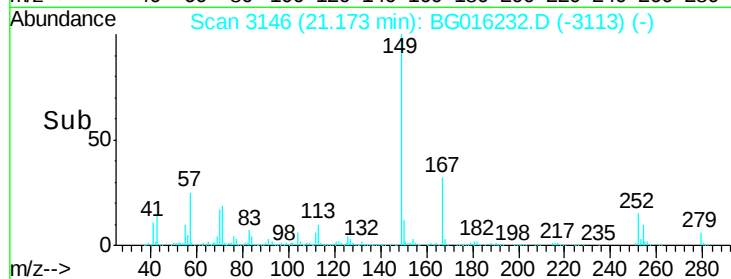
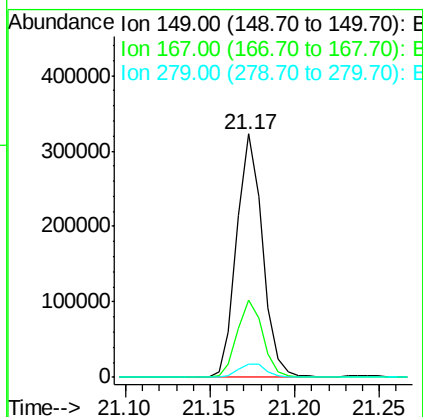
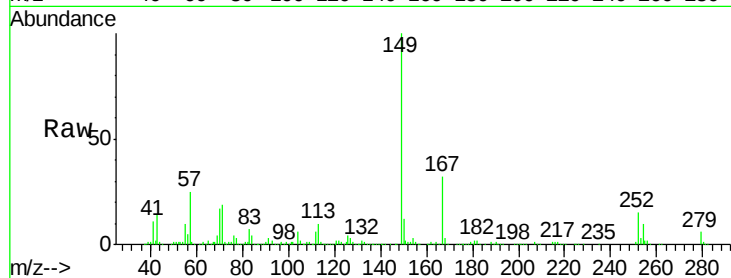




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 21.51 ng
 RT: 21.17 min Scan# 3146
 Delta R.T. -0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

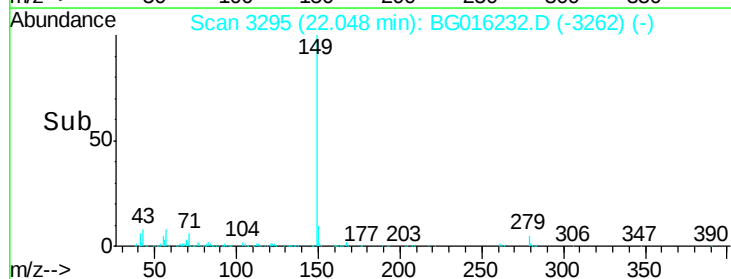
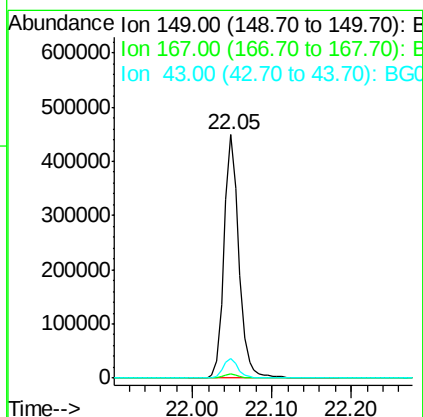
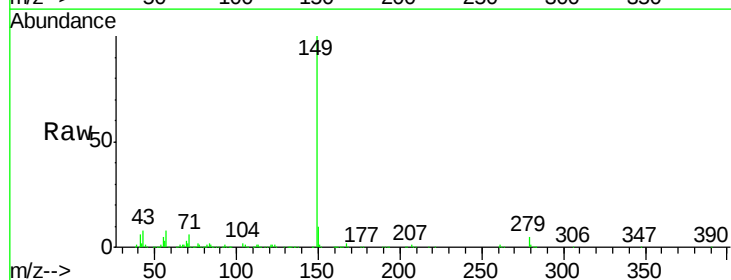
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

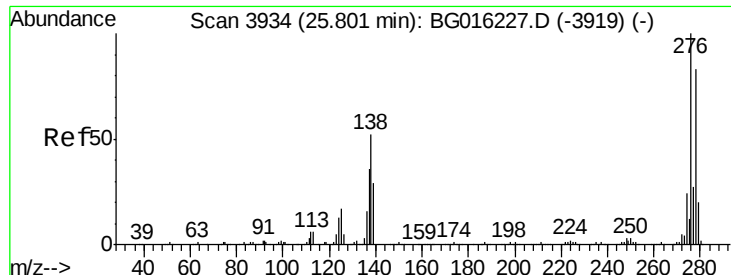
Tgt Ion:149 Resp: 345016
 Ion Ratio Lower Upper
 149 100
 167 31.8 25.8 38.6
 279 5.6 4.7 7.1



#84
 Di-n-octyl phthalate
 Concen: 22.24 ng
 RT: 22.05 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

Tgt Ion:149 Resp: 580963
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 8.3 7.0 10.4

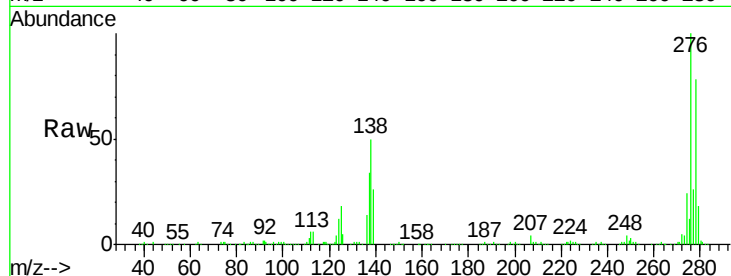




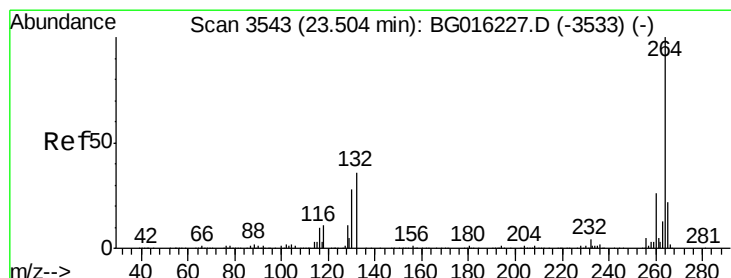
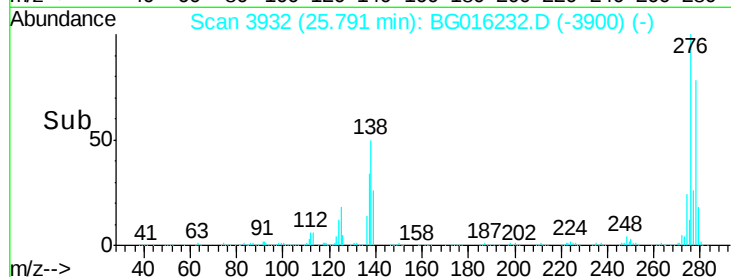
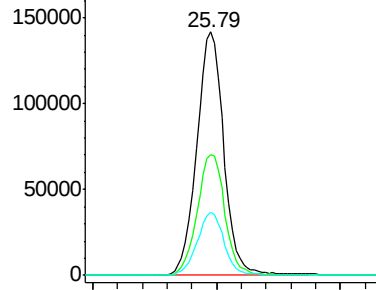
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 20.99 ng
 RT: 25.79 min Scan# 3932
 Delta R.T. -0.01 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	50.9	41.5	62.3
277	25.9	21.0	31.6

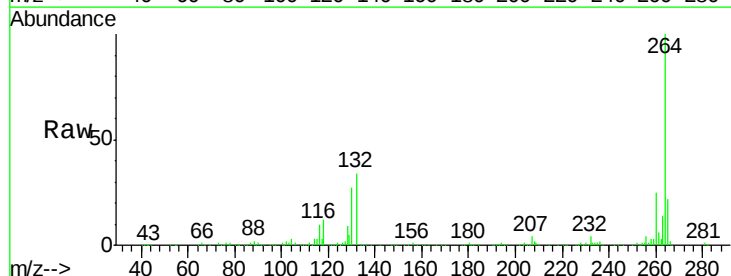


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

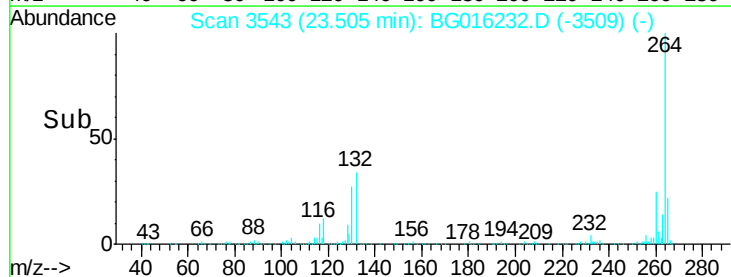
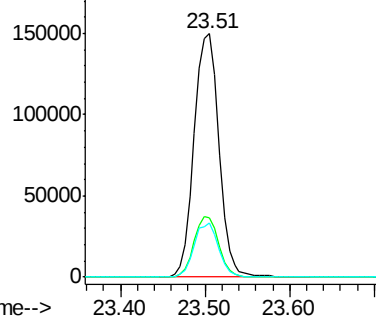


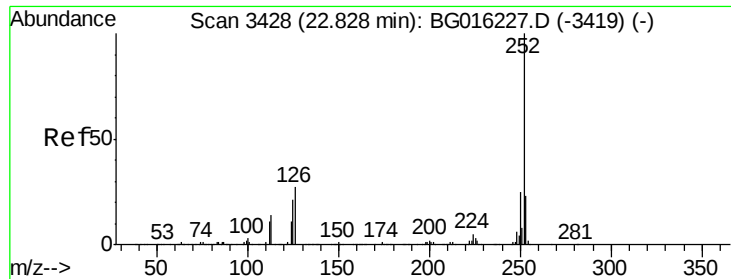
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.51 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: BG016232.D
 Acq: 6 Apr 2015 20:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.4	30.6
265	22.4	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 22.63 ng

RT: 22.82 min Scan# 3427

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

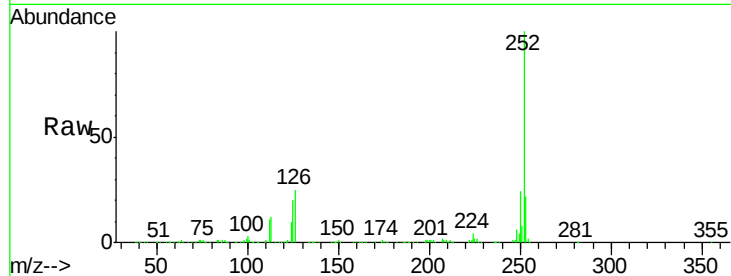
Tgt Ion:252 Resp: 405218

Ion Ratio Lower Upper

252 100

253 22.2 18.5 27.7

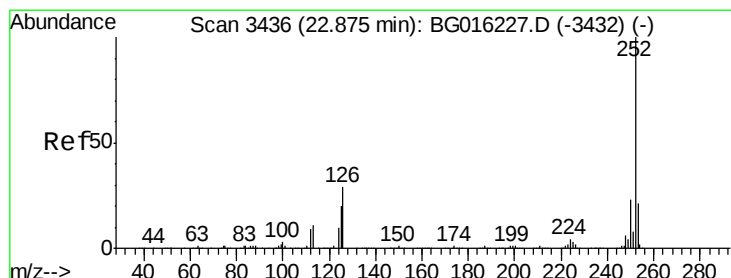
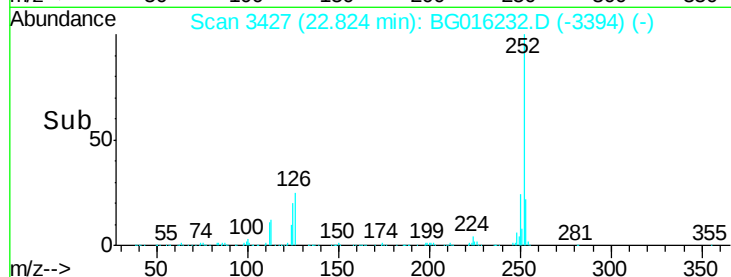
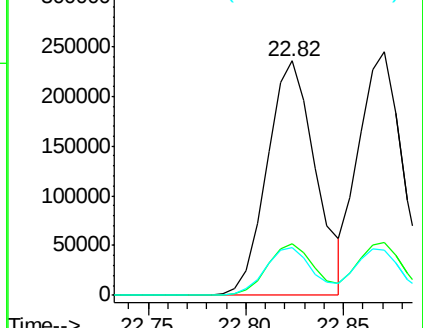
125 20.2 17.0 25.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 22.11 ng

RT: 22.87 min Scan# 3435

Delta R.T. -0.00 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

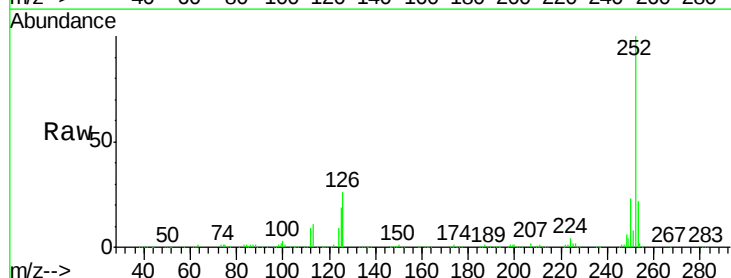
Tgt Ion:252 Resp: 387372

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

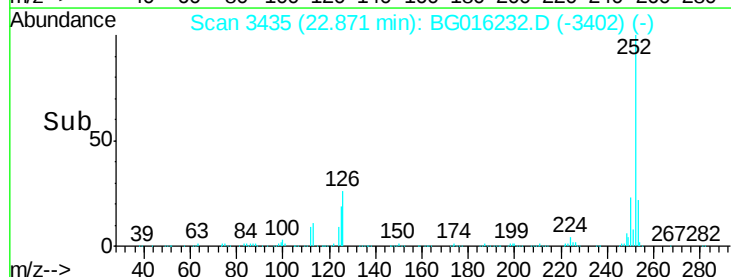
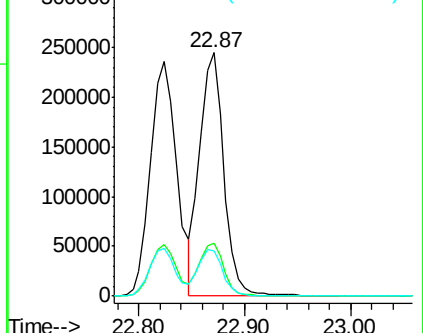
125 18.8 16.3 24.5

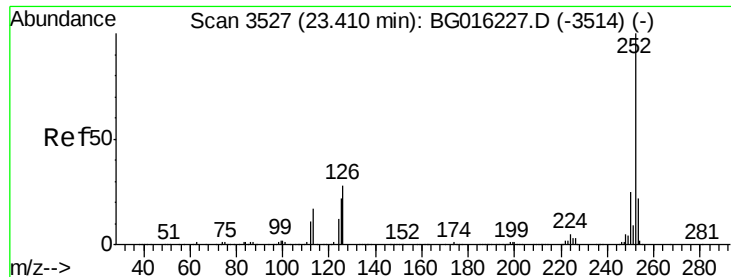


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 22.94 ng

RT: 23.40 min Scan# 3525

Delta R.T. -0.01 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

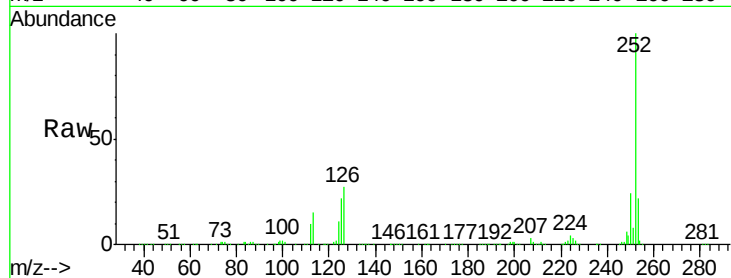
Tgt Ion:252 Resp: 384924

Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

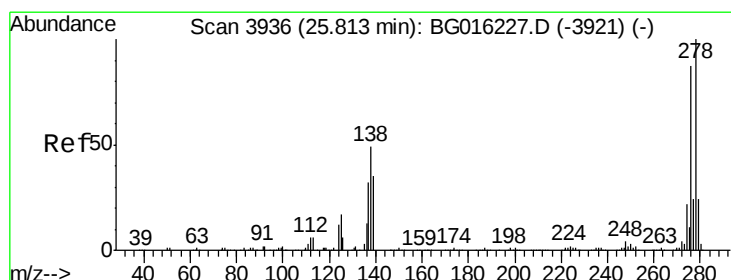
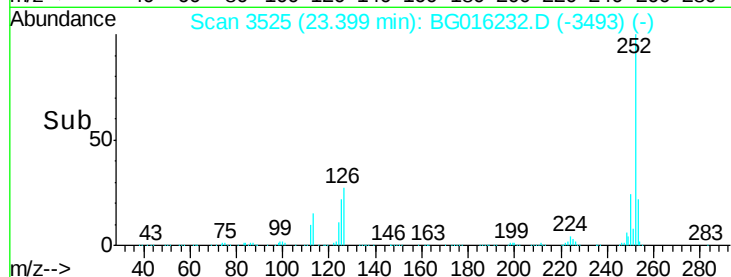
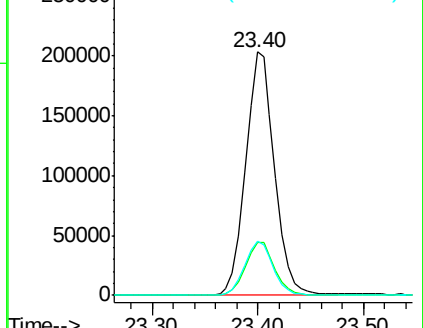
125 22.2 17.6 26.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 21.94 ng

RT: 25.80 min Scan# 3934

Delta R.T. -0.01 min

Lab File: BG016232.D

Acq: 6 Apr 2015 20:15

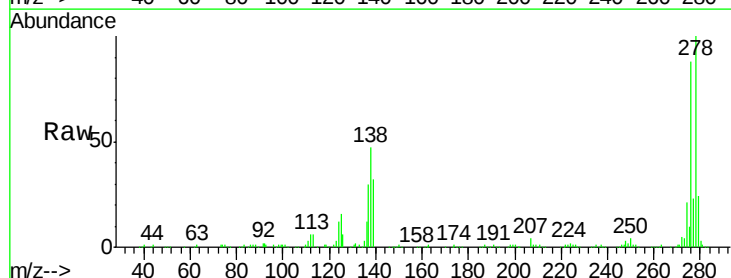
Tgt Ion:278 Resp: 358181

Ion Ratio Lower Upper

278 100

139 32.0 27.9 41.9

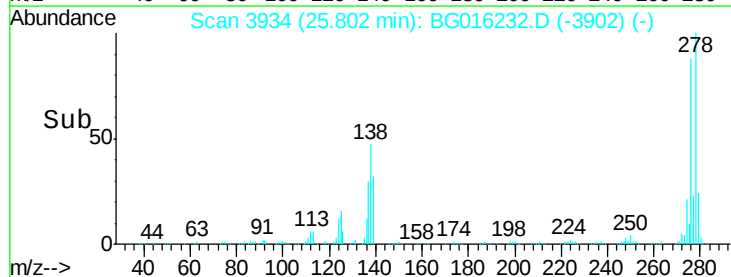
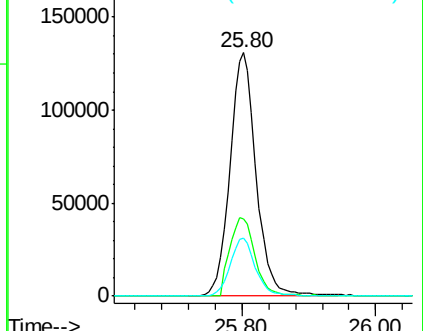
279 23.9 19.5 29.3

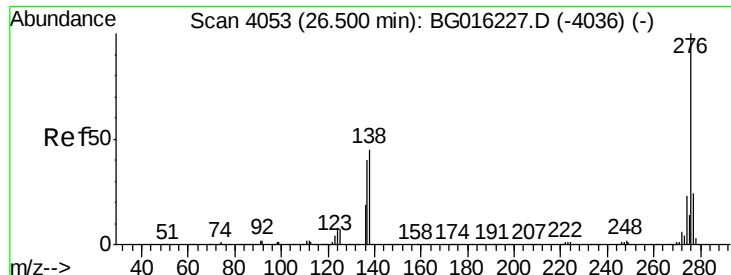


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 22.09 ng

RT: 26.50 min Scan# 4052

Delta R.T. -0.00 min

Lab File: BG016232.D

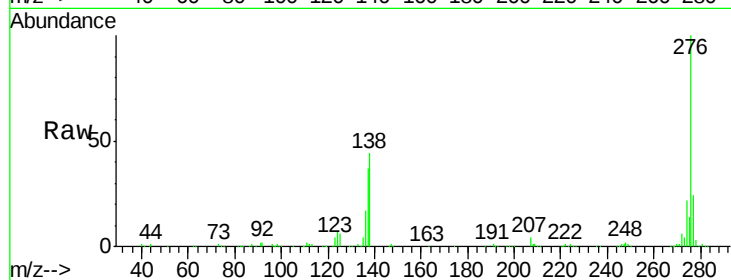
Acq: 6 Apr 2015 20:15

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02



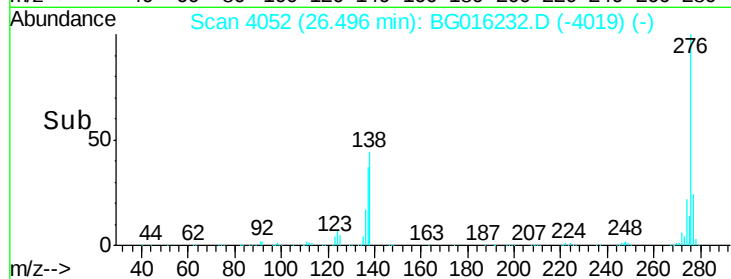
Tgt Ion: 276 Resp: 360268

Ion Ratio Lower Upper

276 100

277 24.2 19.5 29.3

138 43.8 35.7 53.5



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

150000

100000

50000

0

26.50

26.30 26.40 26.50 26.60

Time-->