

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032615\
 Data File : BG016143.D
 Acq On : 26 Mar 2015 16:55
 Operator : TP/IZ
 Sample : G1614-04
 Misc : LOQ-SOIL-20PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

Quant Time: Mar 27 03:40:58 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG032515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 03:23:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	48465	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	212121	20.00	ng	0.00
38) Acenaphthene-d10	14.41	164	133754	20.00	ng	0.00
63) Phenanthrene-d10	17.15	188	298838	20.00	ng	0.00
75) Chrysene-d12	21.32	240	328220	20.00	ng	0.00
86) Perylene-d12	23.61	264	313265	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	409626	141.46	ng	0.00
7) Phenol-d6	6.97	99	558942	138.67	ng	0.01
23) Nitrobenzene-d5	8.95	82	282499	82.58	ng	0.00
41) 2,4,6-Tribromophenol	15.90	330	219346	142.81	ng	0.00
44) 2-Fluorobiphenyl	13.04	172	718334	89.90	ng	0.00
78) Terphenyl-d14	19.78	244	1144071	87.79	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	3.30	88	19951	17.06	ng 94
3) Pyridine	3.69	79	53936	14.75	ng 97
4) n-Nitrosodimethylamine	3.61	42	16277	15.13	ng # 97
6) Aniline	7.12	93	85332	14.84	ng 96
8) 2-Chlorophenol	7.36	128	62904	18.31	ng 97
9) Benzaldehyde	6.94	77	46809	27.81	ng 95
10) Phenol	6.99	94	83713	18.90	ng 97
11) bis(2-Chloroethyl)ether	7.22	93	59404	16.53	ng 97
12) 1,3-Dichlorobenzene	7.68	146	61426	16.54	ng 98
13) 1,4-Dichlorobenzene	7.83	146	64129	16.65	ng 99
14) 1,2-Dichlorobenzene	8.14	146	61179	16.80	ng 100
15) Benzyl Alcohol	8.03	79	46562	15.63	ng 99
16) 2,2'-oxybis(1-Chloropropan	8.32	45	58797	14.56	ng 98
17) 2-Methylphenol	8.23	107	53557	17.14	ng 98
18) Hexachloroethane	8.86	117	22445	16.26	ng 98
19) n-Nitroso-di-n-propylamine	8.59	70	42183	14.29	ng 97
20) 3+4-Methylphenols	8.55	107	72454	17.10	ng 98
22) Acetophenone	8.61	105	82264	17.24	ng # 97
24) Nitrobenzene	8.99	77	61574	16.72	ng 95
25) Isophorone	9.50	82	117628	15.15	ng 99
26) 2-Nitrophenol	9.70	139	32627	16.35	ng 97
27) 2,4-Dimethylphenol	9.76	122	61789	18.47	ng 99
28) bis(2-Chloroethoxy)methane	9.99	93	76018	17.06	ng 96
29) 2,4-Dichlorophenol	10.23	162	56854	19.33	ng 100
30) 1,2,4-Trichlorobenzene	10.44	180	55432	17.50	ng 98
31) Naphthalene	10.63	128	191132	16.81	ng 99
32) Benzoic acid	9.84	122	29800	17.25	ng 96
33) 4-Chloroaniline	10.74	127	72956	14.66	ng 99
34) Hexachlorobutadiene	10.91	225	28558	16.57	ng 99
35) Caprolactam	11.49	113	26584	16.64	ng 93
36) 4-Chloro-3-methylphenol	11.86	107	62424	17.99	ng 97
37) 2-Methylnaphthalene	12.24	142	137805	16.98	ng 98
39) 1,2,4,5-Tetrachlorobenzene	12.61	216	59013	17.52	ng 98
40) Hexachlorocyclopentadiene	12.59	237	33036	16.77	ng 98

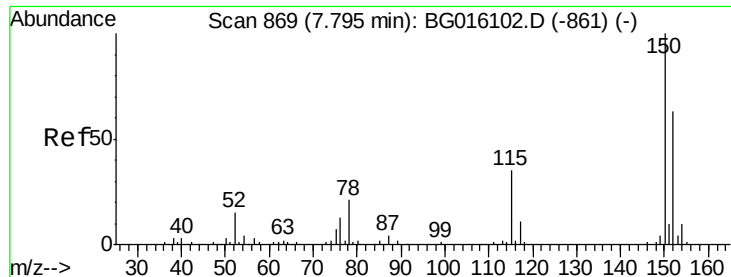
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032615\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.85	196	43499	18.08	ng	97
43) 2,4,5-Trichlorophenol	12.92	196	47783	18.21	ng	97
45) 1,1'-Biphenyl	13.25	154	174404	17.78	ng	97
46) 2-Chloronaphthalene	13.29	162	131286	17.16	ng	99
47) 2-Nitroaniline	13.50	65	35912	16.34	ng	95
48) Acenaphthylene	14.14	152	234820	16.80	ng	98
49) Dimethylphthalate	13.87	163	167140	17.82	ng	98
50) 2,6-Dinitrotoluene	13.99	165	40303	18.12	ng	99
51) Acenaphthene	14.48	154	139773	16.57	ng	99
52) 3-Nitroaniline	14.32	138	44776	16.44	ng	94
53) 2,4-Dinitrophenol	14.53	184	11243	13.05	ng	98
54) Dibenzofuran	14.81	168	214835	18.23	ng	97
55) 4-Nitrophenol	14.63	139	38049	17.24	ng	98
56) 2,4-Dinitrotoluene	14.78	165	54708	17.95	ng	98
57) Fluorene	15.46	166	184563	17.56	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.04	232	44011	18.81	ng	96
59) Diethylphthalate	15.24	149	173126	17.95	ng	99
60) 4-Chlorophenyl-phenylether	15.45	204	84483	18.27	ng	99
61) 4-Nitroaniline	15.48	138	54913	17.82	ng	95
62) Azobenzene	15.75	77	167203	16.83	ng	98
64) 4,6-Dinitro-2-methylphenol	15.54	198	24639	12.41	ng	99
65) n-Nitrosodiphenylamine	15.67	169	163281	17.14	ng	99
66) 4-Bromophenyl-phenylether	16.35	248	52178	17.02	ng	94
67) Hexachlorobenzene	16.46	284	59472	17.26	ng	95
68) Atrazine	16.62	200	55800	19.68	ng	96
69) Pentachlorophenol	16.81	266	30317	15.43	ng	98
70) Phenanthrene	17.19	178	293598	17.51	ng	98
71) Anthracene	17.29	178	298983	17.93	ng	99
72) Carbazole	17.56	167	289950	17.71	ng	98
73) Di-n-butylphthalate	18.12	149	329519	17.81	ng	98
74) Fluoranthene	19.21	202	340884	18.25	ng	98
76) Benzidine	19.40	184	131148	15.25	ng	99
77) Pyrene	19.57	202	358190	17.70	ng	96
79) Butylbenzylphthalate	20.47	149	143573	17.01	ng	96
80) Benzo(a)anthracene	21.31	228	325635	17.49	ng	98
81) 3,3'-Dichlorobenzidine	21.25	252	96036	14.84	ng	99
82) Chrysene	21.36	228	308126	18.07	ng	98
83) Bis(2-ethylhexyl)phthalate	21.24	149	196323	16.94	ng	99
84) Di-n-octyl phthalate	22.12	149	327081	16.74	ng	98
85) Indeno(1,2,3-cd)pyrene	25.95	276	354841	16.18	ng	99
87) Benzo(b)fluoranthene	22.92	252	312164	17.22	ng	98
88) Benzo(k)fluoranthene	22.96	252	307441	17.41	ng	99
89) Benzo(a)pyrene	23.51	252	297950	17.63	ng	97
90) Dibenzo(a,h)anthracene	25.96	278	296143	16.81	ng	99
91) Benzo(g,h,i)perylene	26.66	276	294853	16.89	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 869

Delta R.T. 0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

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LOQ-SOIL2015-02

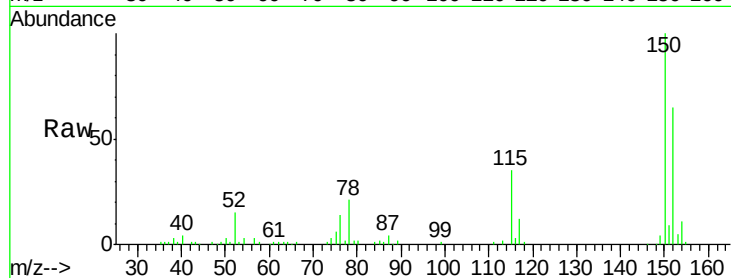
Tgt Ion:152 Resp: 48465

Ion Ratio Lower Upper

152 100

150 154.1 126.1 189.1

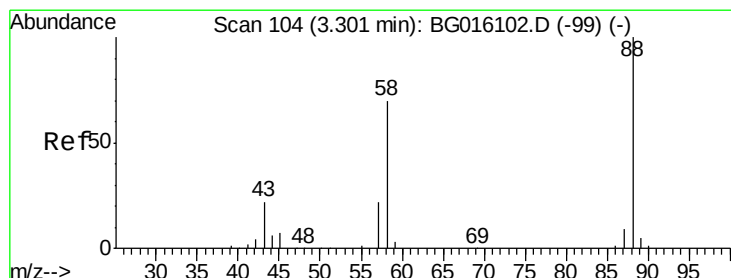
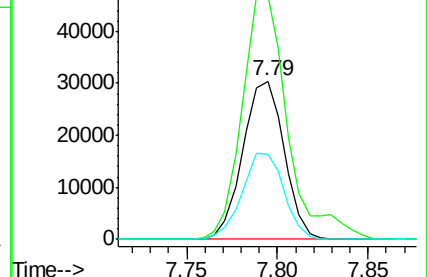
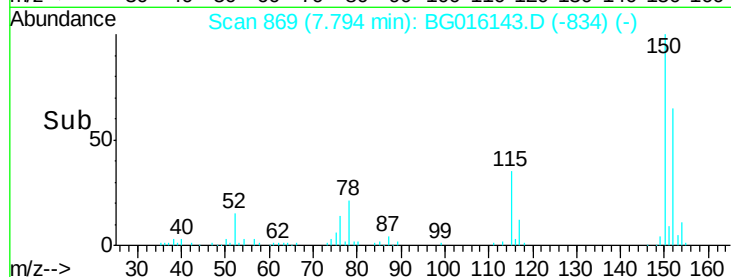
115 53.5 43.7 65.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 17.06 ng

RT: 3.30 min Scan# 104

Delta R.T. 0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

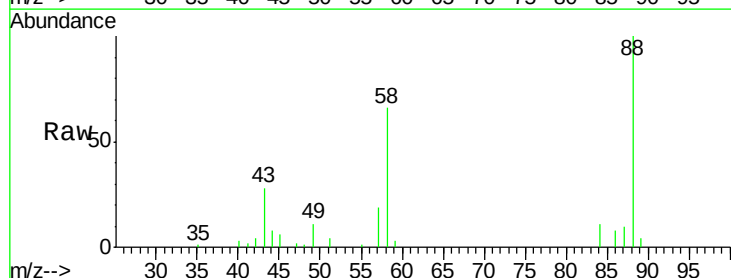
Tgt Ion: 88 Resp: 19951

Ion Ratio Lower Upper

88 100

58 61.3 54.2 81.4

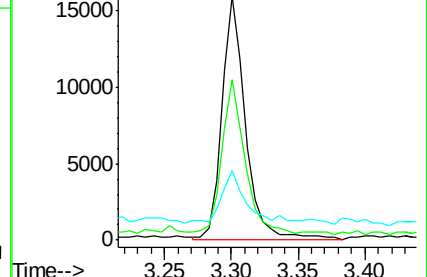
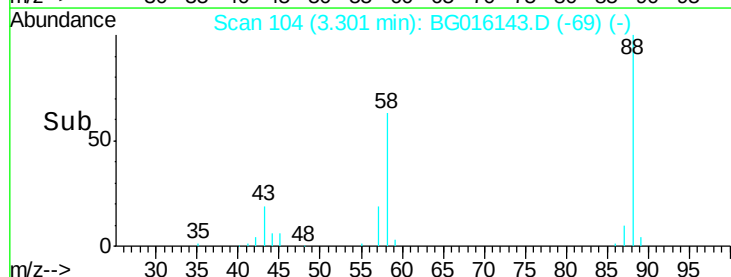
43 21.2 17.4 26.2

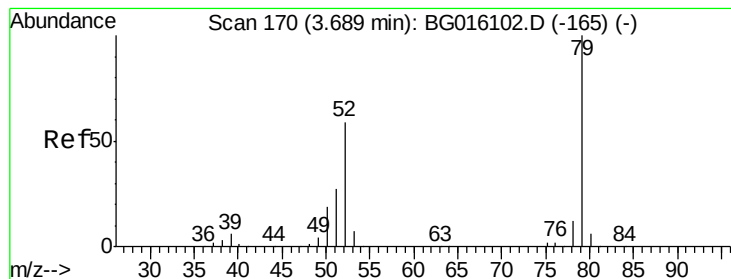


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 14.75 ng

RT: 3.69 min Scan# 171

Delta R.T. 0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

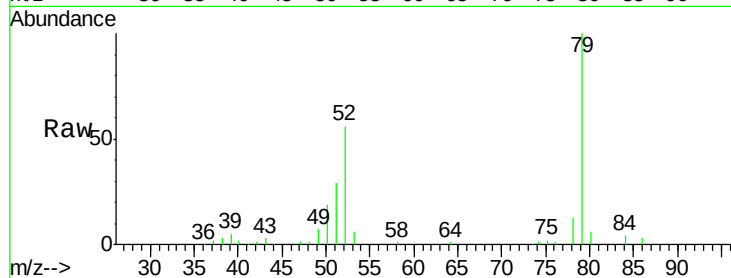
Tgt Ion: 79 Resp: 53936

Ion Ratio Lower Upper

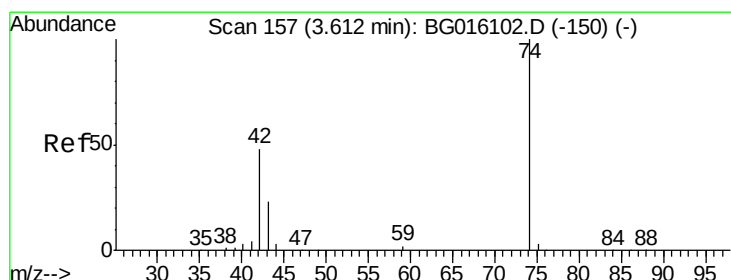
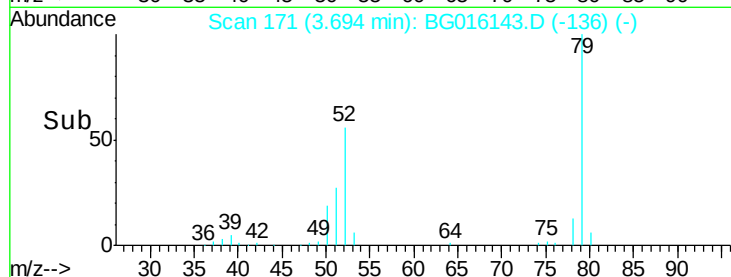
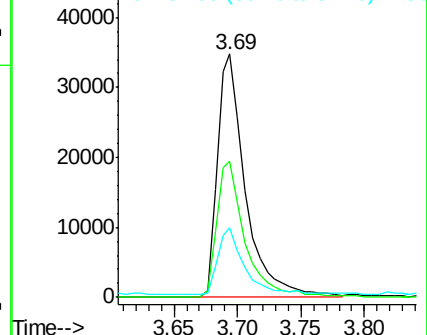
79 100

52 55.8 47.0 70.4

51 28.6 21.9 32.9



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: 15.13 ng

RT: 3.61 min Scan# 157

Delta R.T. 0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

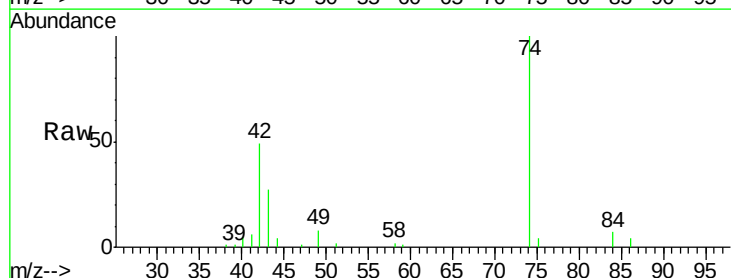
Tgt Ion: 42 Resp: 16277

Ion Ratio Lower Upper

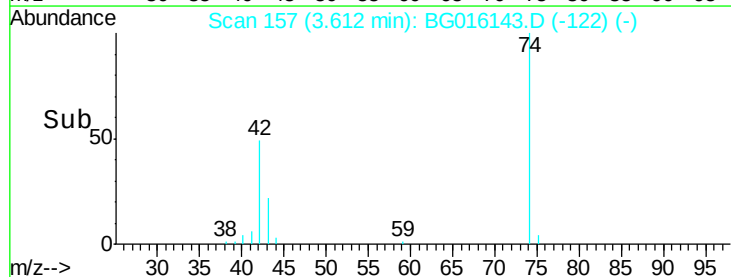
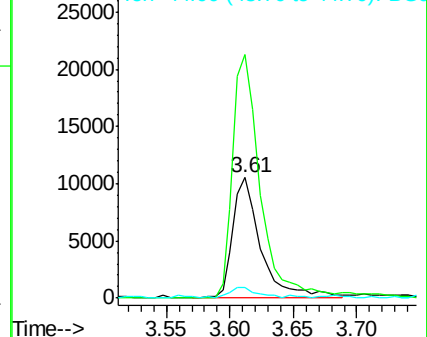
42 100

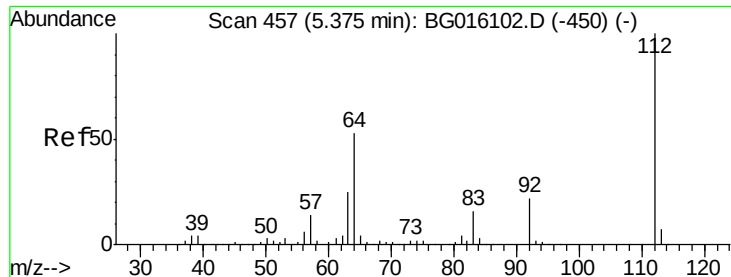
74 202.4 165.3 247.9

44 8.6 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: 141.46 ng

RT: 5.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

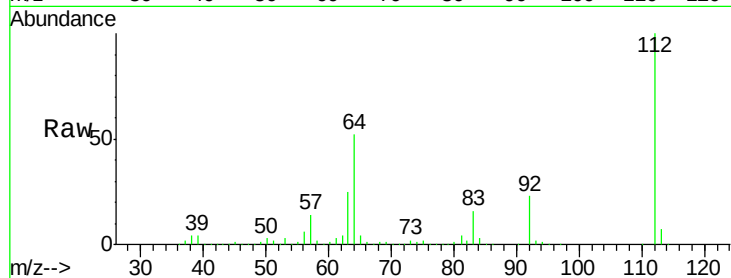
Tgt Ion: 112 Resp: 409626

Ion Ratio Lower Upper

112 100

64 51.6 42.6 64.0

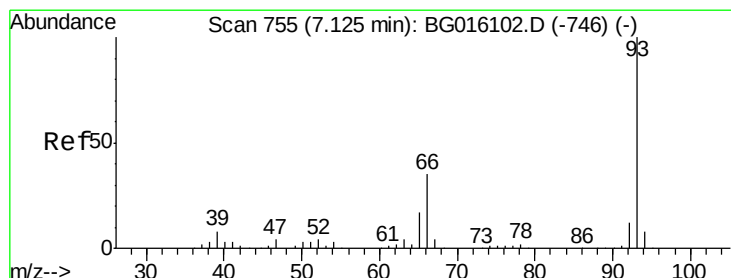
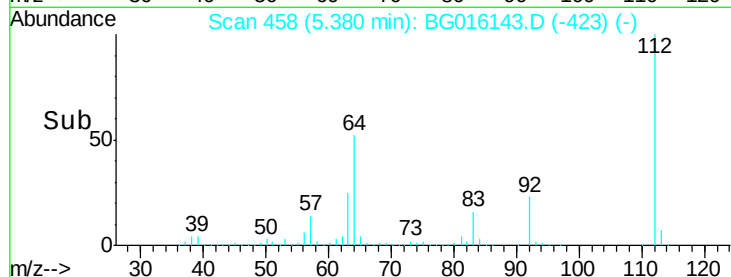
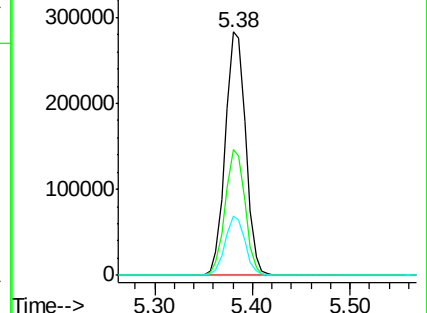
63 24.5 19.9 29.9



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 14.84 ng

RT: 7.12 min Scan# 755

Delta R.T. 0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

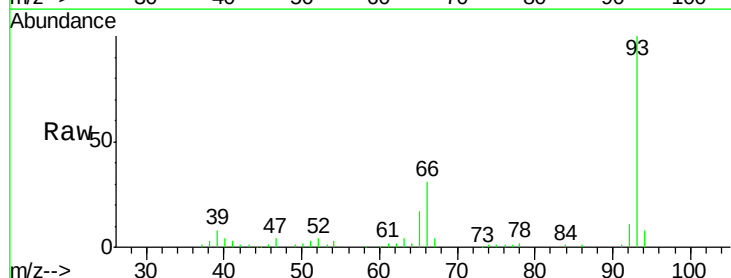
Tgt Ion: 93 Resp: 85332

Ion Ratio Lower Upper

93 100

66 31.2 27.8 41.6

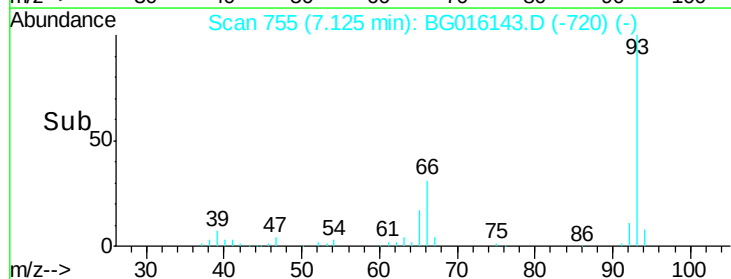
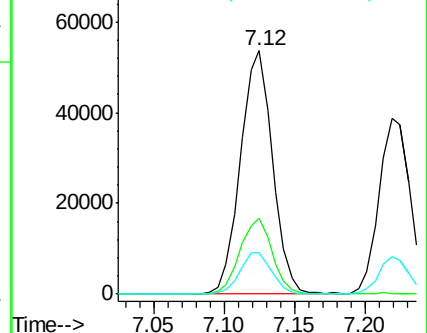
65 17.0 13.9 20.9

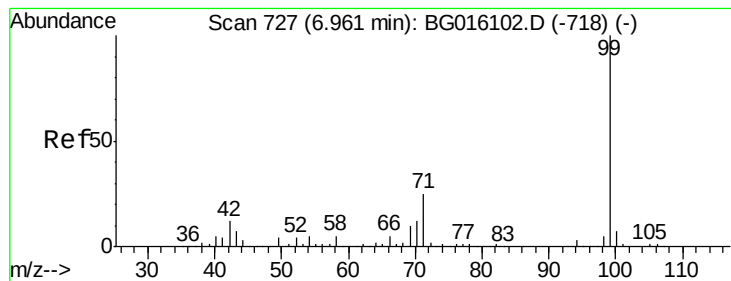


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 138.67 ng

RT: 6.97 min Scan# 728

Delta R.T. 0.01 min

Lab File: BG016143.D

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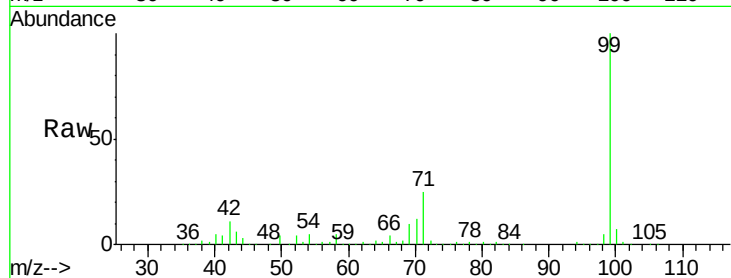
Tgt Ion: 99 Resp: 558942

Ion Ratio Lower Upper

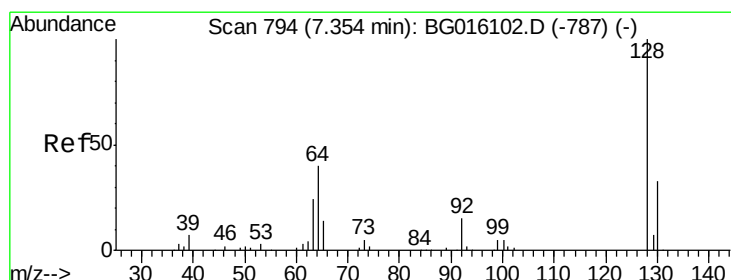
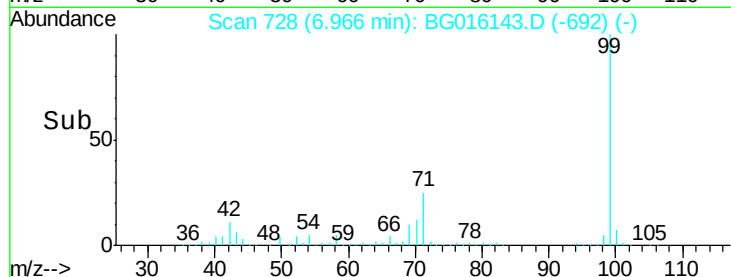
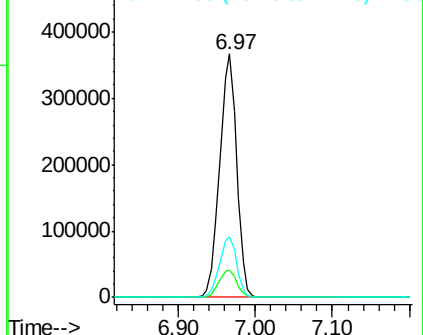
99 100

42 11.5 9.4 14.0

71 25.1 19.9 29.9



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: 18.31 ng

RT: 7.36 min Scan# 795

Delta R.T. 0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

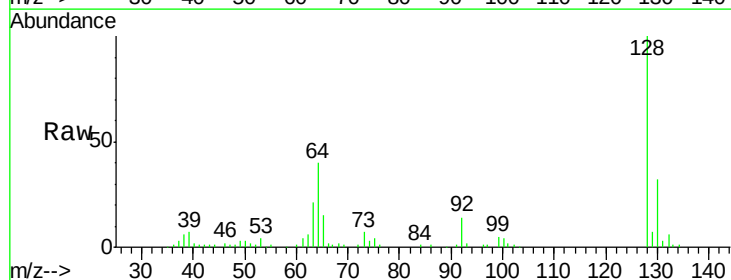
Tgt Ion: 128 Resp: 62904

Ion Ratio Lower Upper

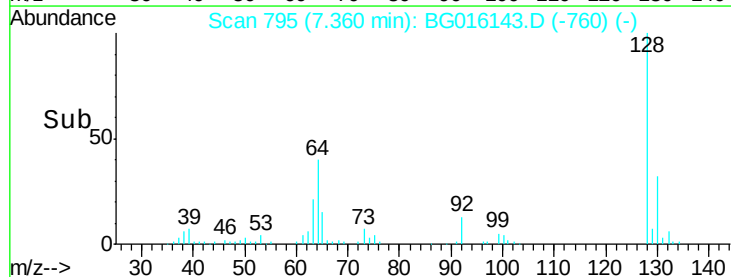
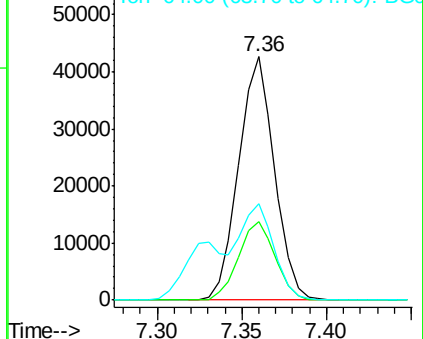
128 100

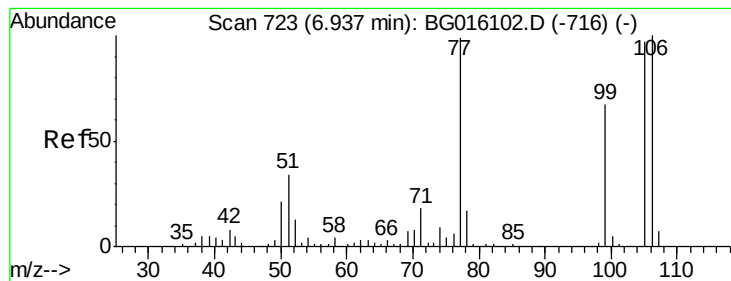
130 32.2 12.5 52.5

64 39.7 23.4 63.4



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





#9

Benzaldehyde

Concen: 27.81 ng

RT: 6.94 min Scan# 723

Delta R.T. 0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

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ClientSampleId :

LOQ-SOIL2015-02

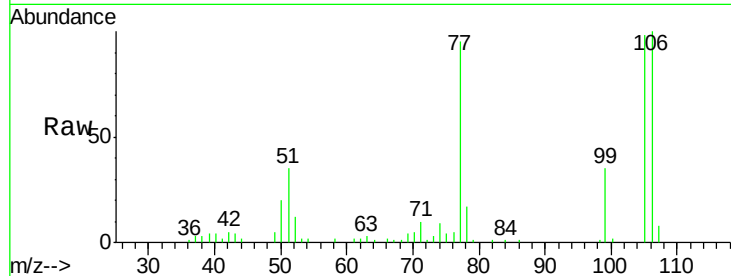
Tgt Ion: 77 Resp: 46809

Ion Ratio Lower Upper

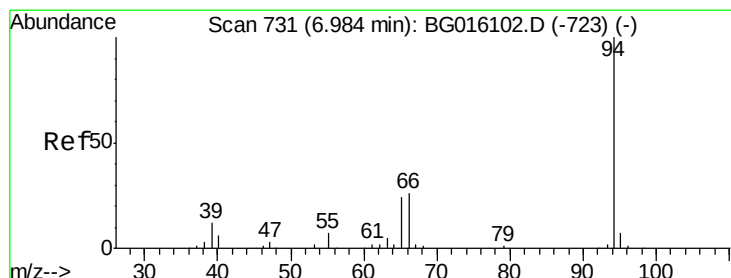
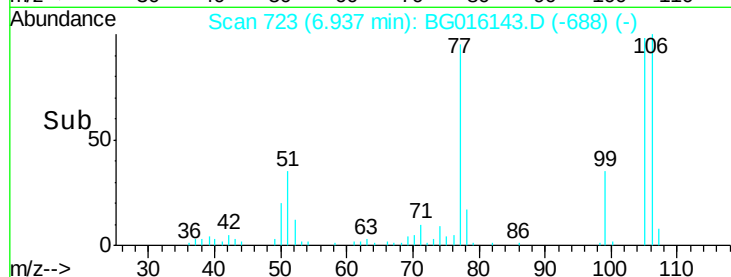
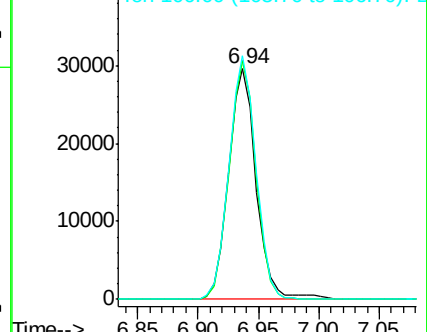
77 100

105 103.8 78.1 118.1

106 105.7 81.0 121.0



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



#10

Phenol

Concen: 18.90 ng

RT: 6.99 min Scan# 732

Delta R.T. 0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

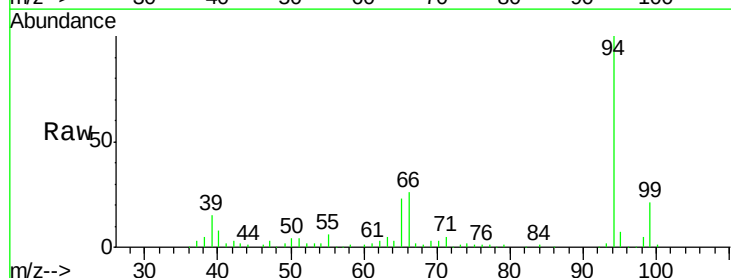
Tgt Ion: 94 Resp: 83713

Ion Ratio Lower Upper

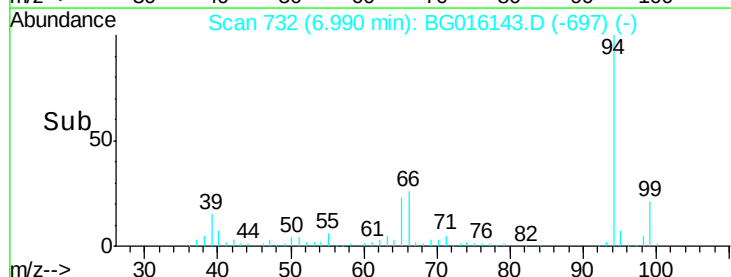
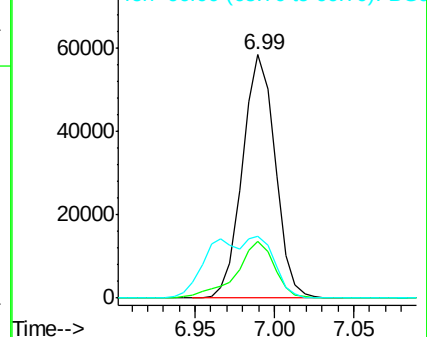
94 100

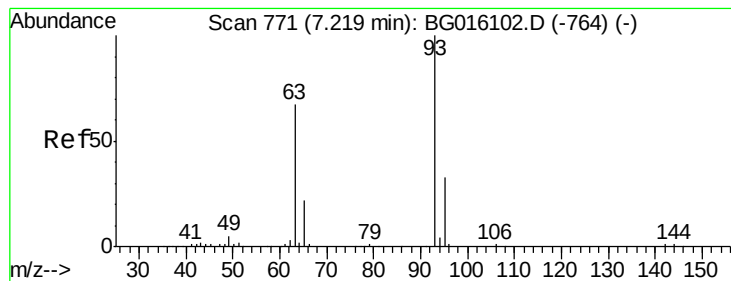
65 23.1 4.0 44.0

66 25.6 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: 16.53 ng

RT: 7.22 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

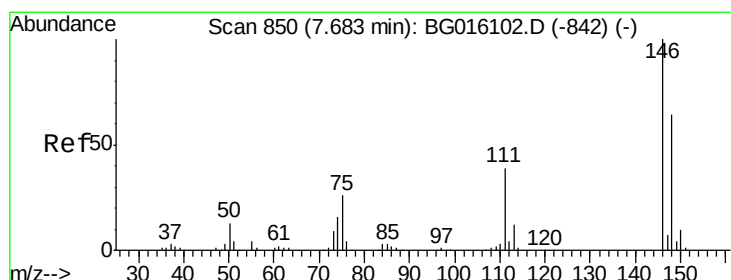
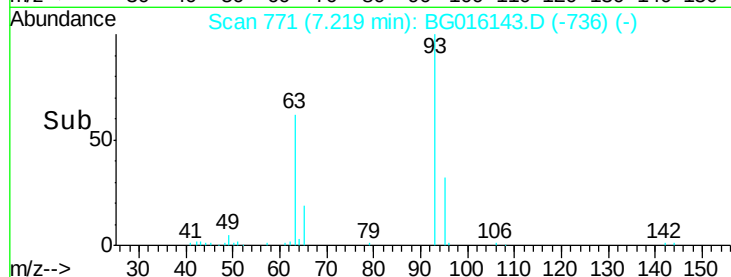
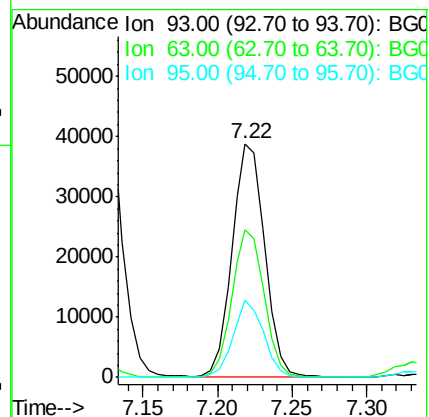
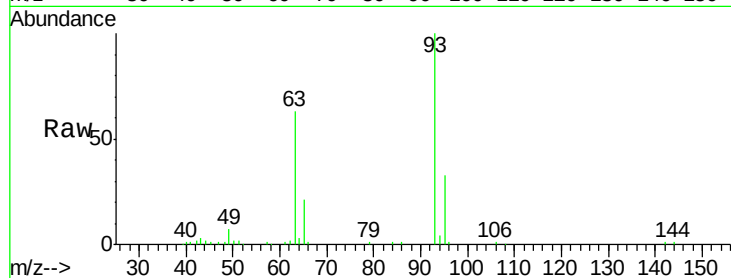
Tgt Ion: 93 Resp: 59404

Ion Ratio Lower Upper

93 100

63 62.9 46.5 86.5

95 32.8 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 16.54 ng

RT: 7.68 min Scan# 850

Delta R.T. 0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

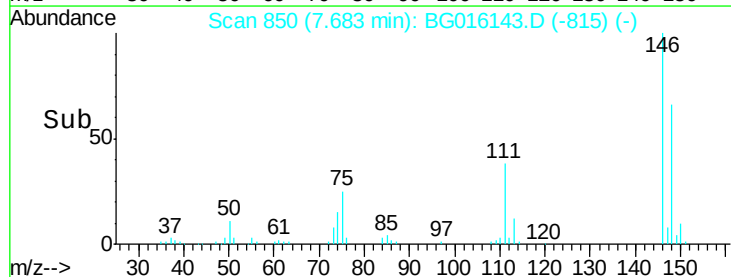
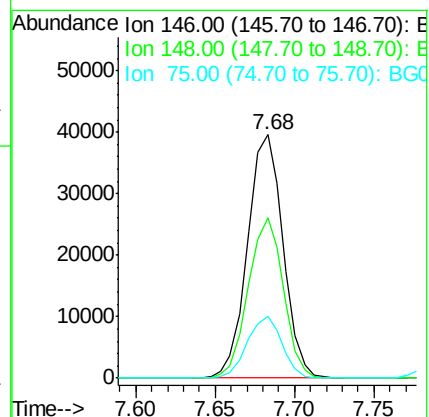
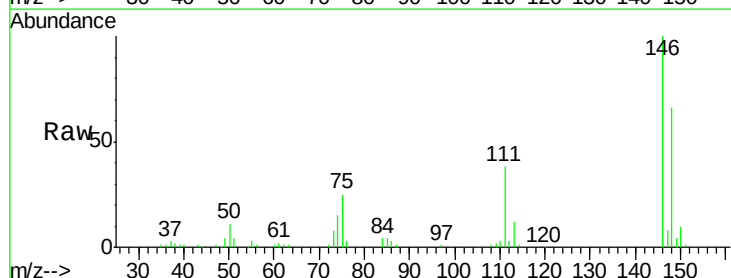
Tgt Ion: 146 Resp: 61426

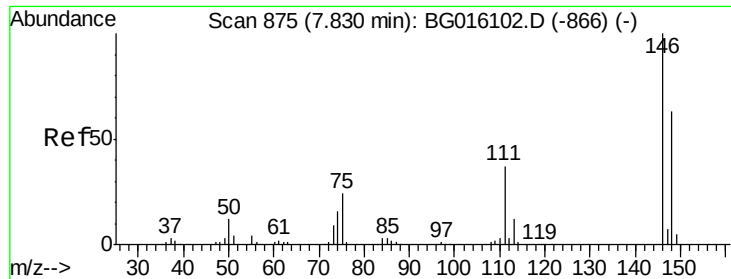
Ion Ratio Lower Upper

146 100

148 66.1 51.2 76.8

75 25.2 20.5 30.7

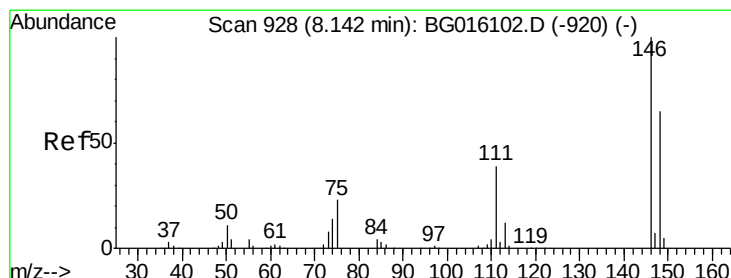
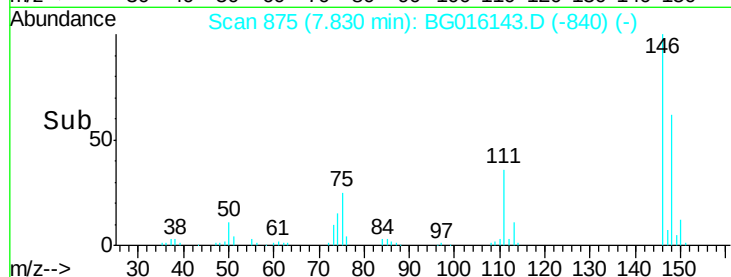
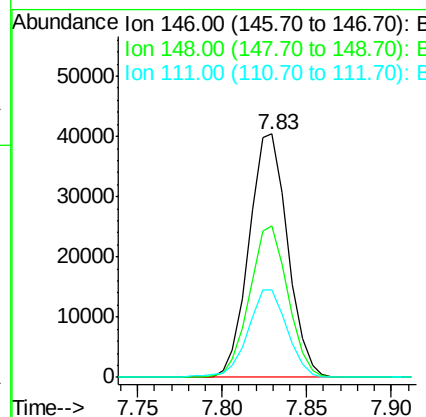
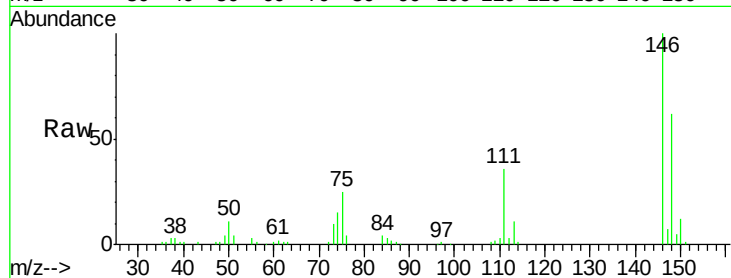




#13
 1,4-Dichlorobenzene
 Concen: 16.65 ng
 RT: 7.83 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

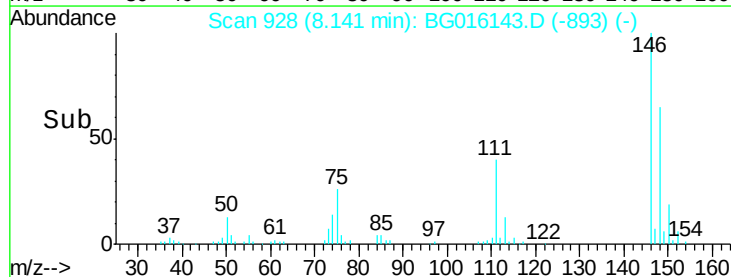
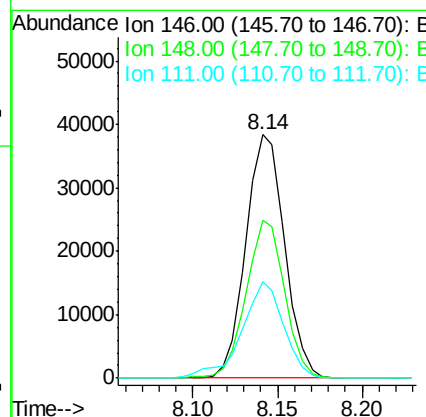
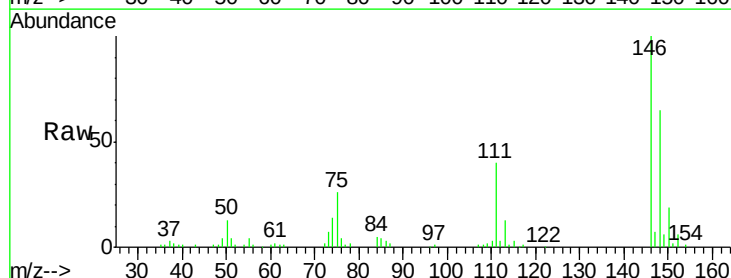
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

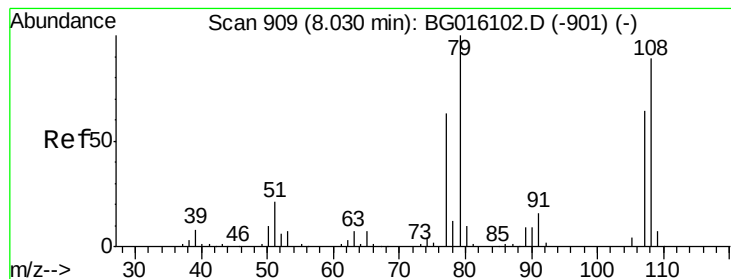
Tgt Ion:146 Resp: 64129
 Ion Ratio Lower Upper
 146 100
 148 62.3 50.3 75.5
 111 35.8 29.5 44.3



#14
 1,2-Dichlorobenzene
 Concen: 16.80 ng
 RT: 8.14 min Scan# 928
 Delta R.T. 0.01 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

Tgt Ion:146 Resp: 61179
 Ion Ratio Lower Upper
 146 100
 148 65.0 51.8 77.8
 111 39.5 31.4 47.2





#15

Benzyl Alcohol

Concen: 15.63 ng

RT: 8.03 min Scan# 909

Delta R.T. 0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

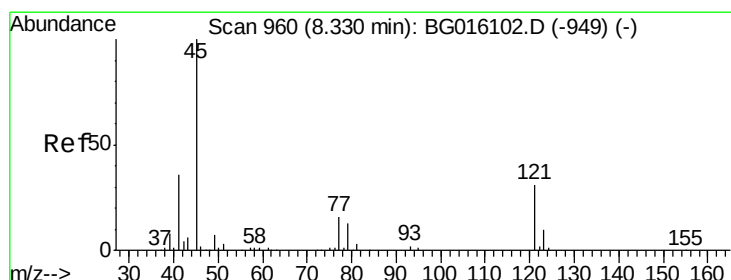
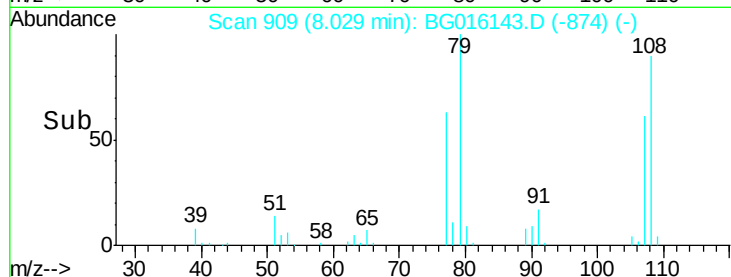
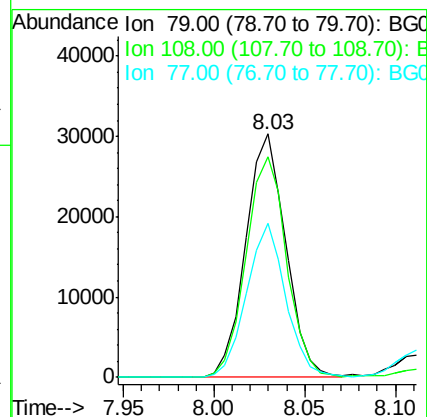
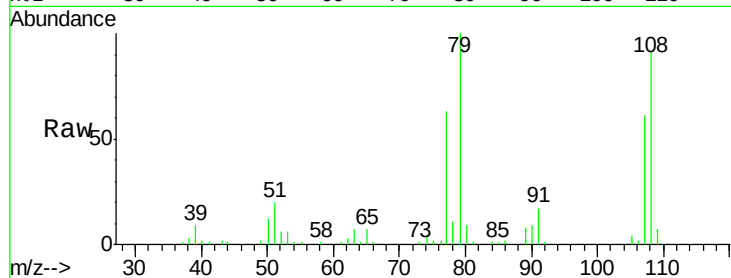
Tgt Ion: 79 Resp: 46562

Ion Ratio Lower Upper

79 100

108 90.8 71.4 107.0

77 63.2 50.1 75.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 14.56 ng

RT: 8.32 min Scan# 959

Delta R.T. -0.00 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

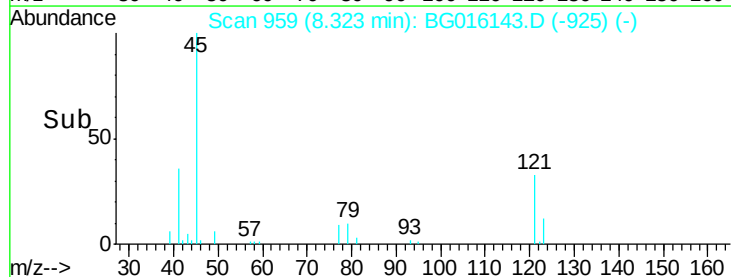
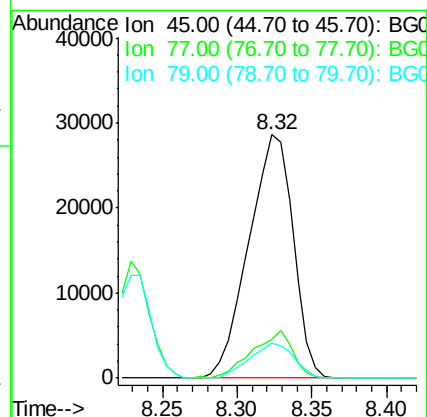
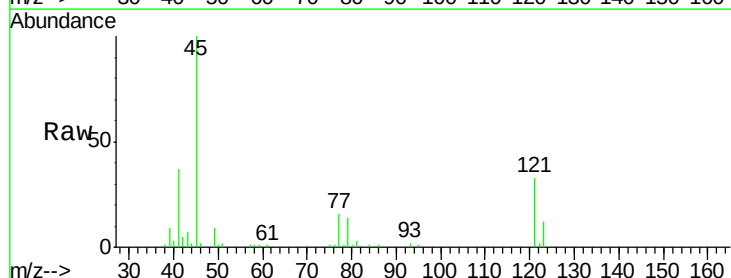
Tgt Ion: 45 Resp: 58797

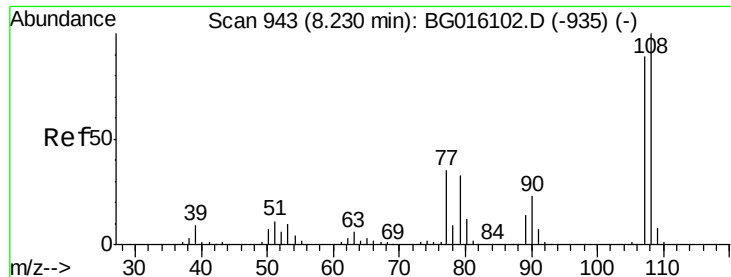
Ion Ratio Lower Upper

45 100

77 15.9 0.0 36.3

79 14.3 0.0 33.3

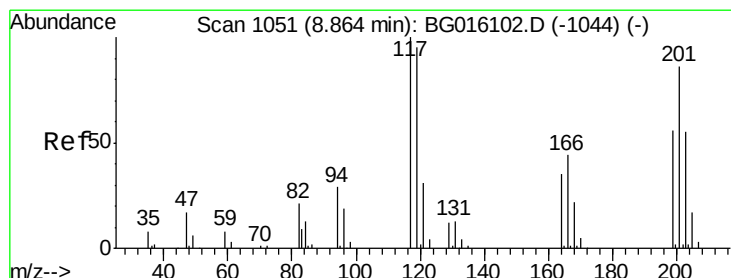
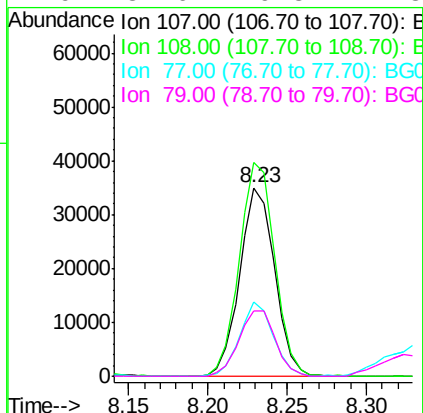
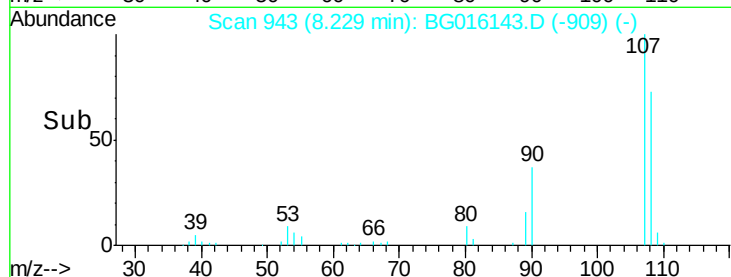
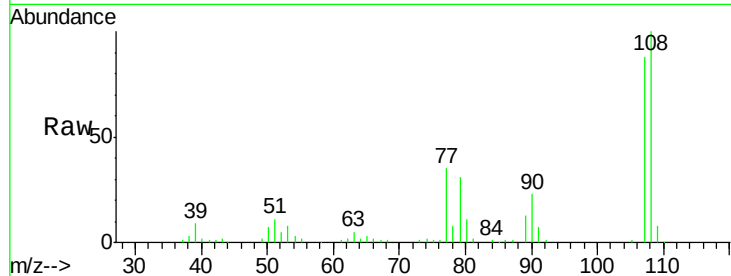




#17
2-Methylphenol
Concen: 17.14 ng
RT: 8.23 min Scan# 943
Delta R.T. -0.00 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

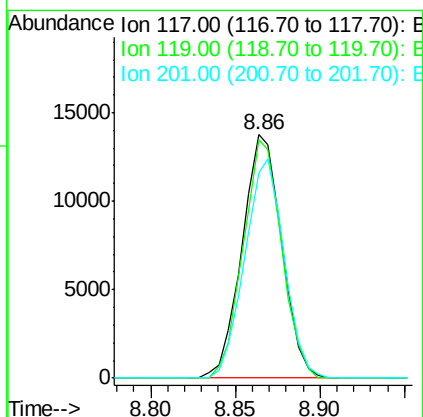
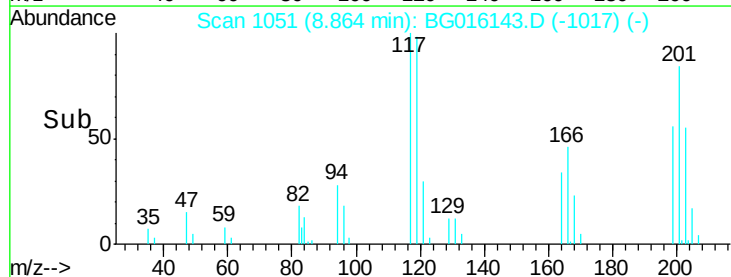
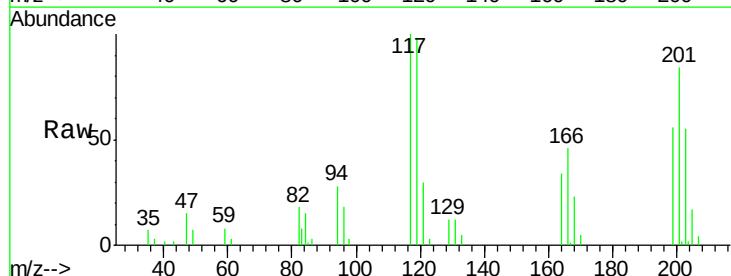
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

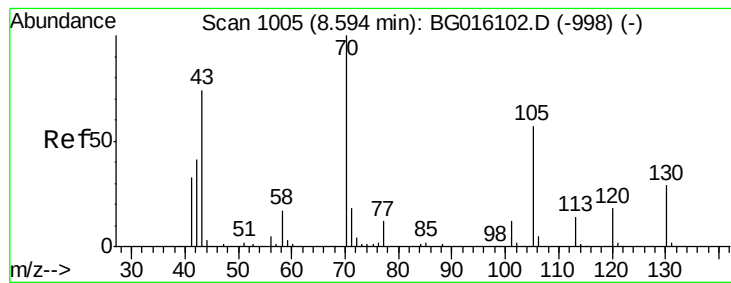
Tgt Ion:	107	Resp:	53557
Ion	Ratio	Lower	Upper
107	100		
108	113.2	89.4	134.2
77	39.1	31.4	47.2
79	34.6	29.8	44.8



#18
Hexachloroethane
Concen: 16.26 ng
RT: 8.86 min Scan# 1051
Delta R.T. -0.00 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

Tgt Ion:	117	Resp:	22445
Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.4	114.6
201	84.3	68.6	102.8





#19

n-Nitroso-di-n-propylamine

Concen: 14.29 ng

RT: 8.59 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion: 70 Resp: 42183

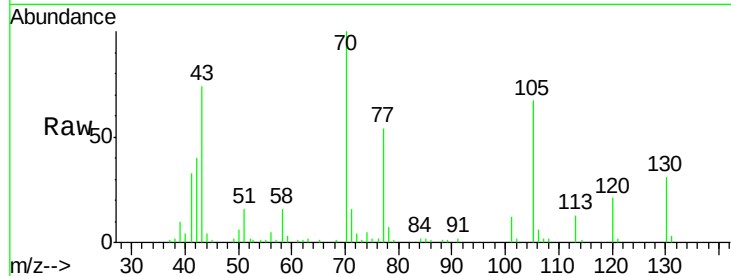
Ion Ratio Lower Upper

70 100

42 40.2 33.4 50.2

101 11.7 9.6 14.4

130 31.0 23.3 34.9



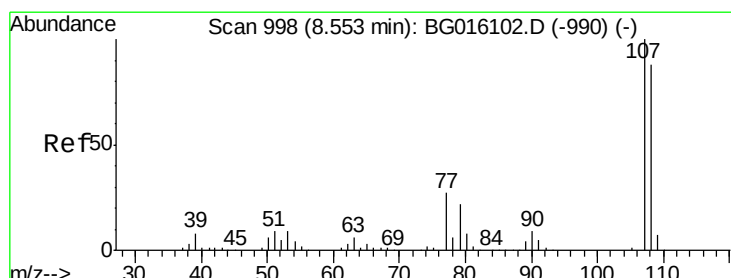
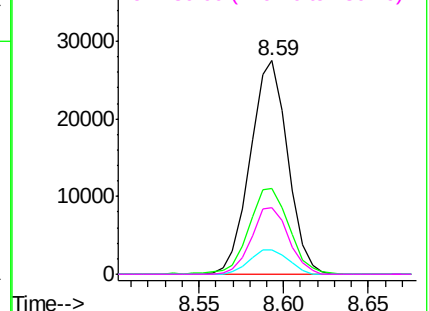
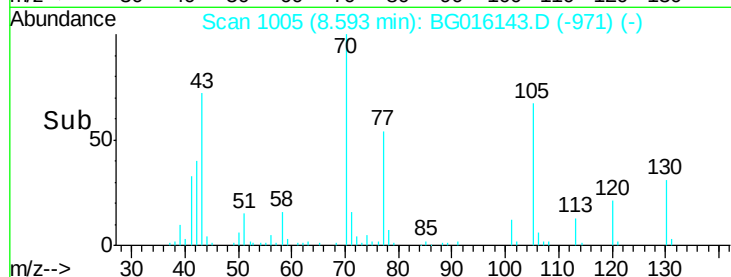
Abundance

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: 17.10 ng

RT: 8.55 min Scan# 998

Delta R.T. -0.00 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Tgt Ion: 107 Resp: 72454

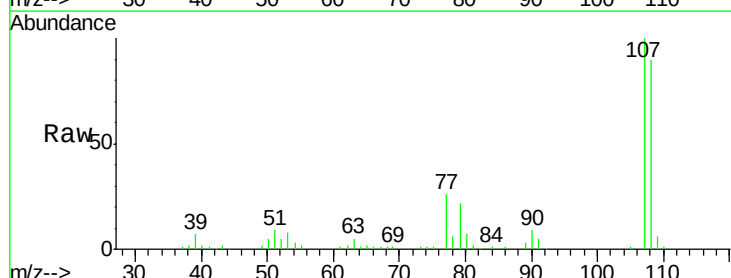
Ion Ratio Lower Upper

107 100

108 89.7 68.4 108.4

77 25.7 6.9 46.9

79 21.7 2.3 42.3



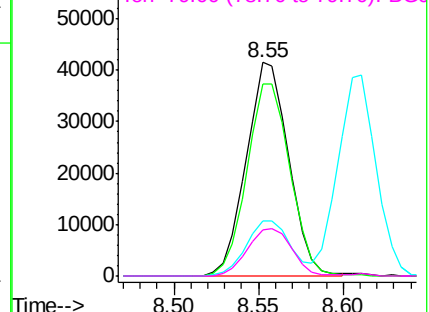
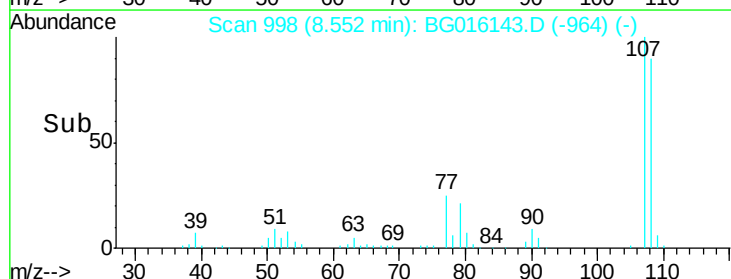
Abundance

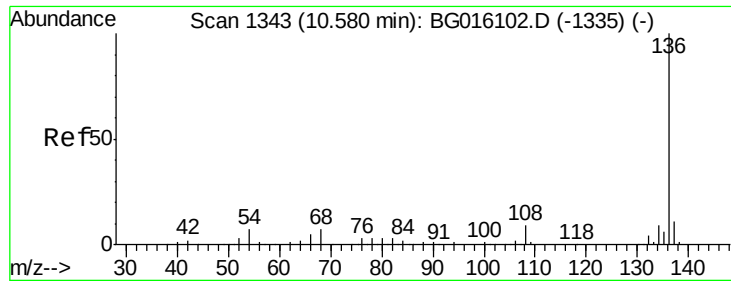
Ion 107.00 (106.70 to 107.70): BGC

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

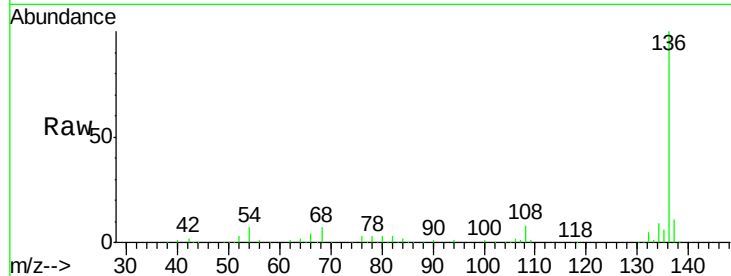




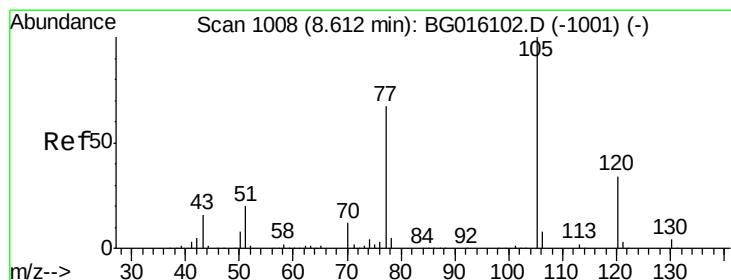
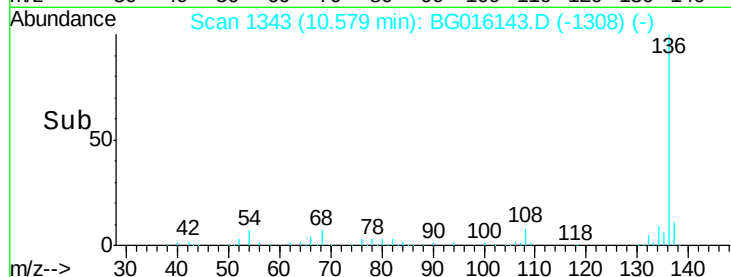
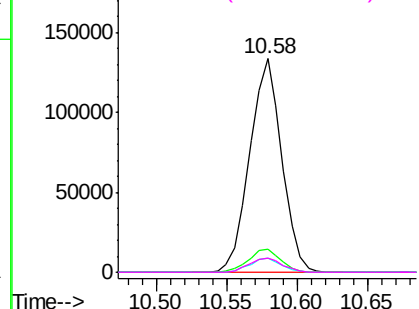
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.58 min Scan# 1343
Delta R.T. 0.01 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:	136	Resp:	212121
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	6.6	5.5	8.3
68	6.6	6.0	9.0

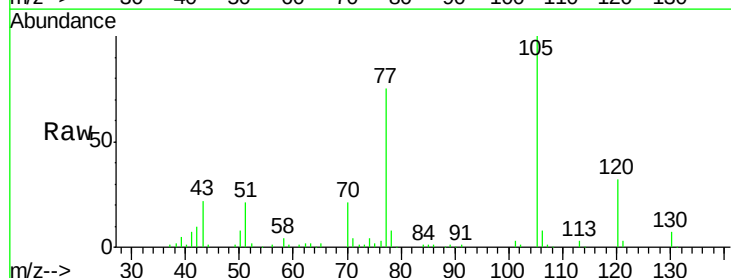


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

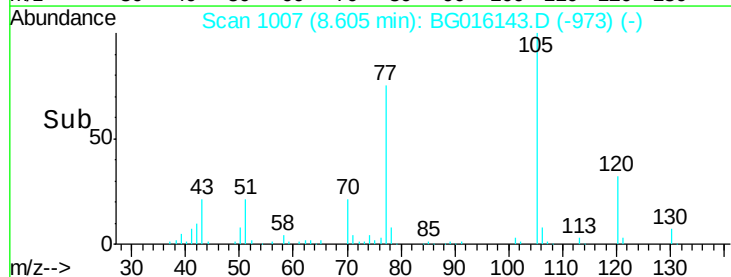
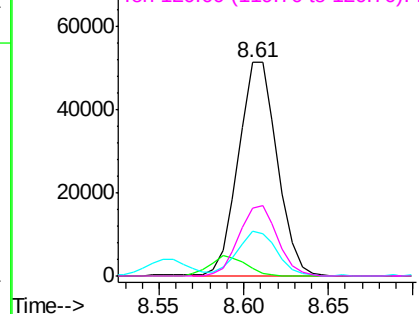


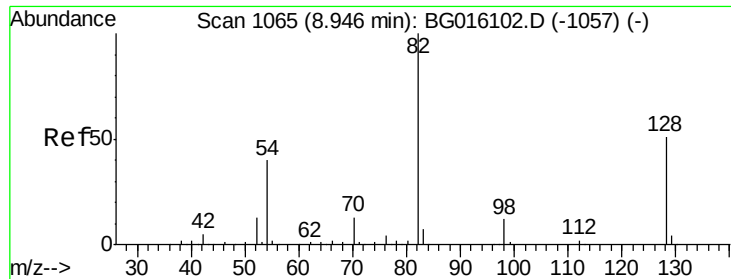
#22
Acetophenone
Concen: 17.24 ng
RT: 8.61 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

Tgt Ion:	105	Resp:	82264
Ion	Ratio	Lower	Upper
105	100		
71	3.8	2.2	3.2#
51	21.0	17.9	26.9
120	32.1	27.0	40.4



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

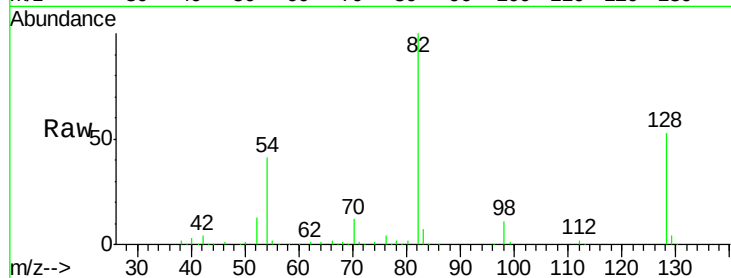




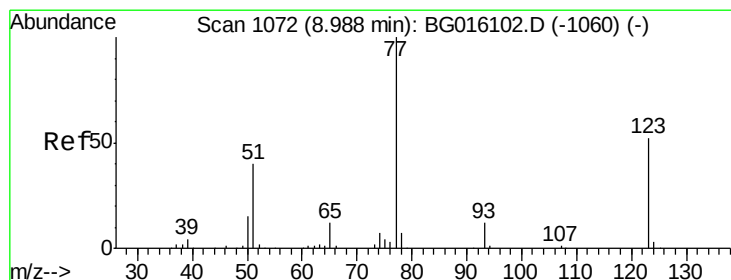
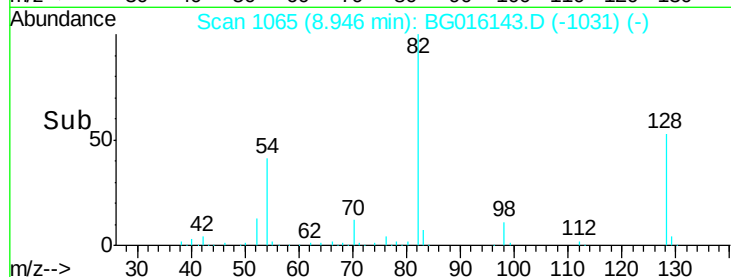
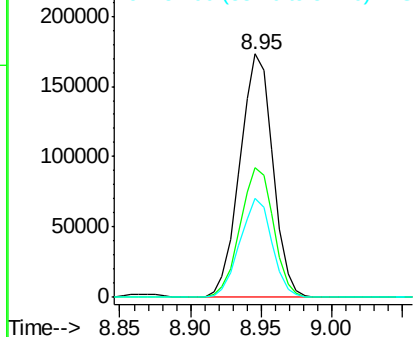
#23
Nitrobenzene-d5
Concen: 82.58 ng
RT: 8.95 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 82 Resp: 282499
Ion Ratio Lower Upper
82 100
128 53.1 40.4 60.6
54 40.6 32.1 48.1

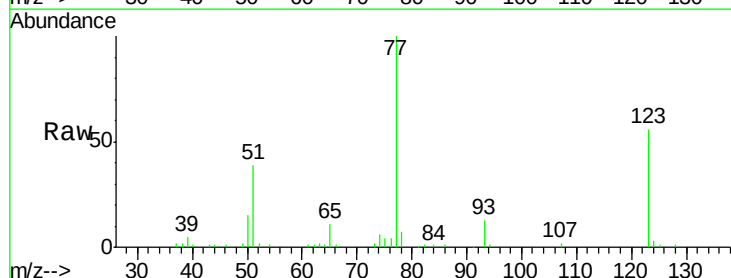


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

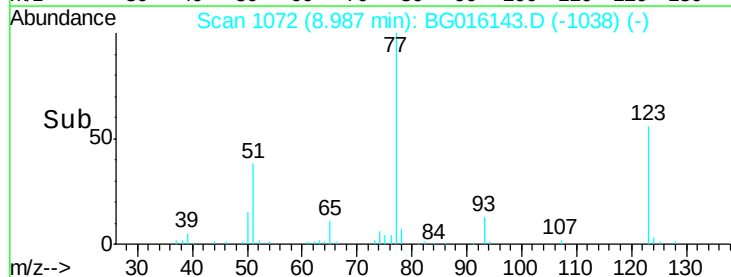
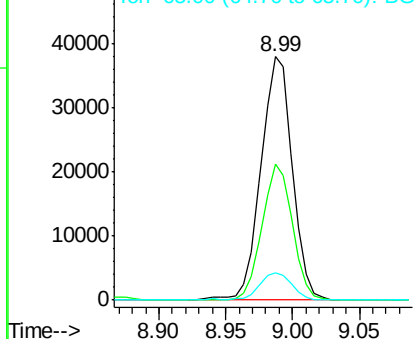


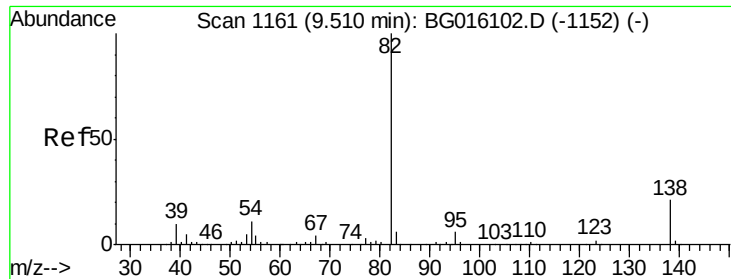
#24
Nitrobenzene
Concen: 16.72 ng
RT: 8.99 min Scan# 1072
Delta R.T. -0.00 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

Tgt Ion: 77 Resp: 61574
Ion Ratio Lower Upper
77 100
123 56.1 41.4 62.0
65 11.3 9.7 14.5



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: 15.15 ng

RT: 9.50 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

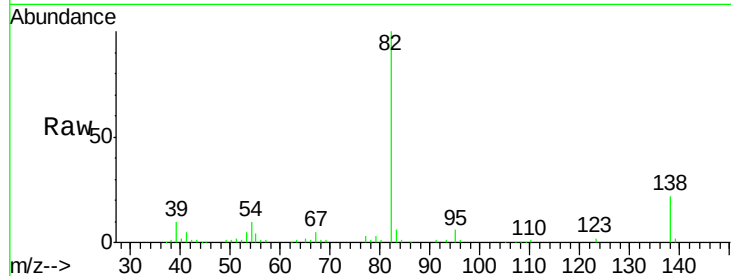
Tgt Ion: 82 Resp: 117628

Ion Ratio Lower Upper

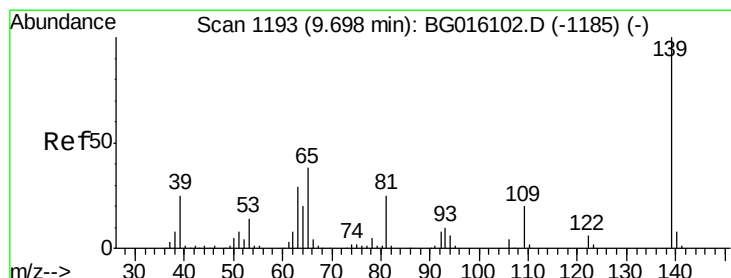
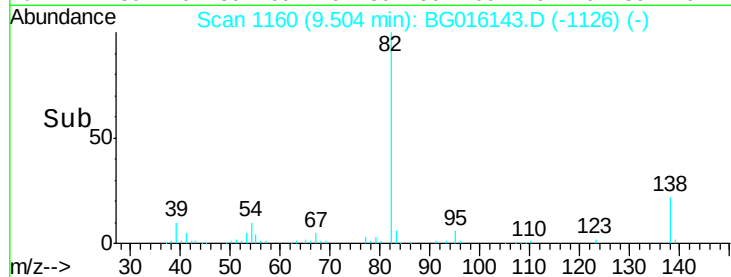
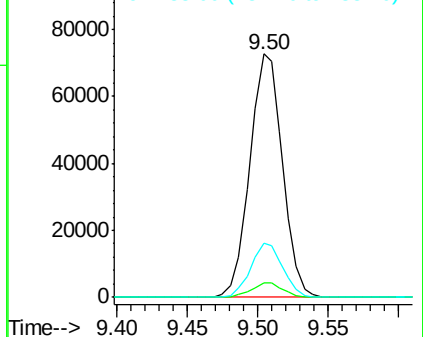
82 100

95 6.0 4.6 6.8

138 22.0 17.1 25.7



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: 16.35 ng

RT: 9.70 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

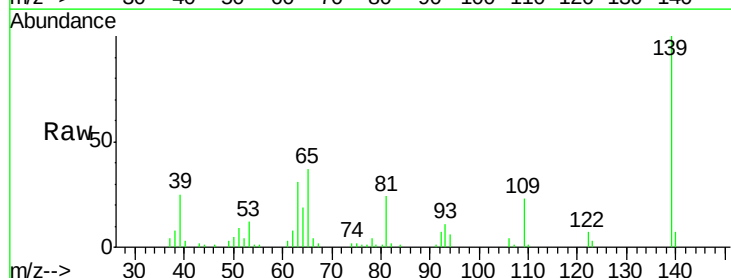
Tgt Ion: 139 Resp: 32627

Ion Ratio Lower Upper

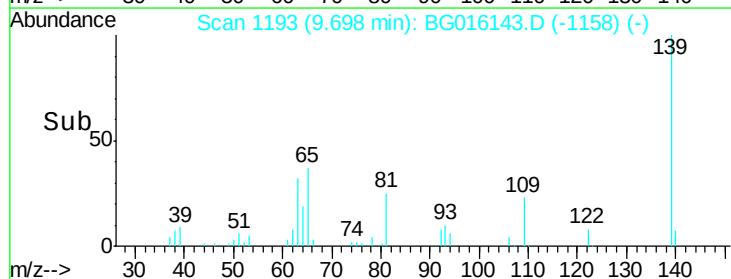
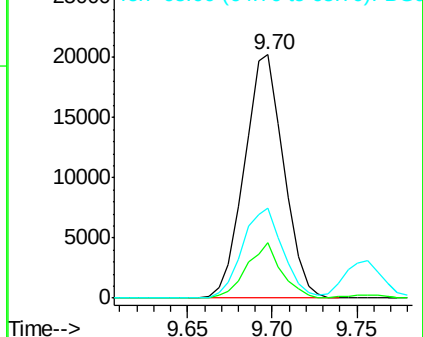
139 100

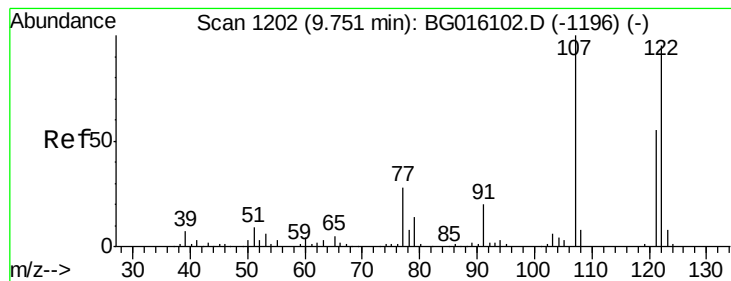
109 22.6 15.7 23.5

65 37.0 30.1 45.1



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: 18.47 ng

RT: 9.76 min Scan# 1203

Delta R.T. 0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

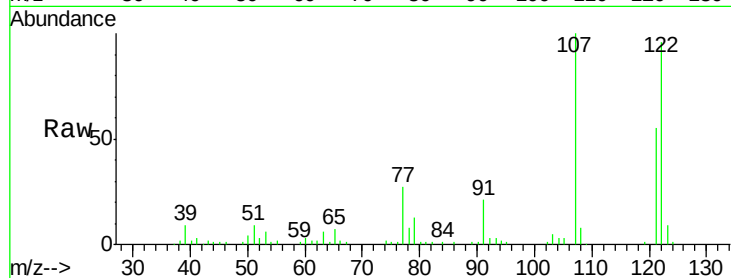
Tgt Ion:122 Resp: 61789

Ion Ratio Lower Upper

122 100

107 103.7 83.6 125.4

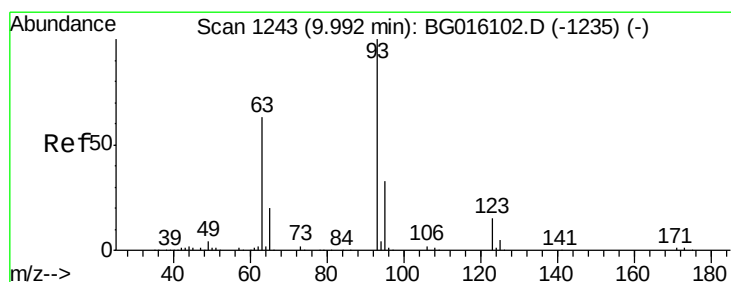
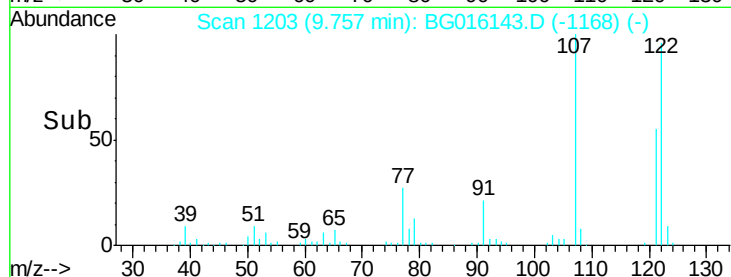
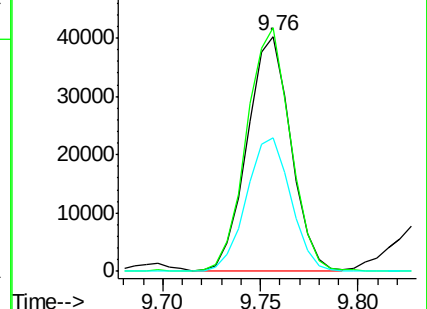
121 56.7 45.6 68.4



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: 17.06 ng

RT: 9.99 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

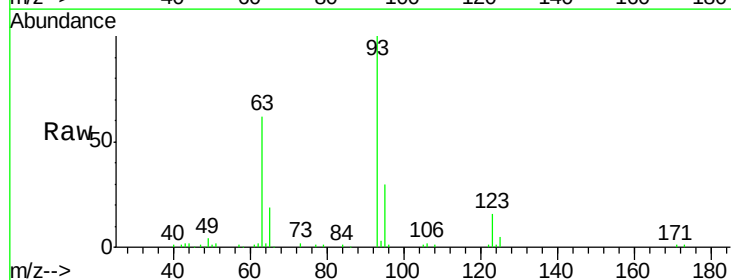
Tgt Ion: 93 Resp: 76018

Ion Ratio Lower Upper

93 100

95 30.1 26.4 39.6

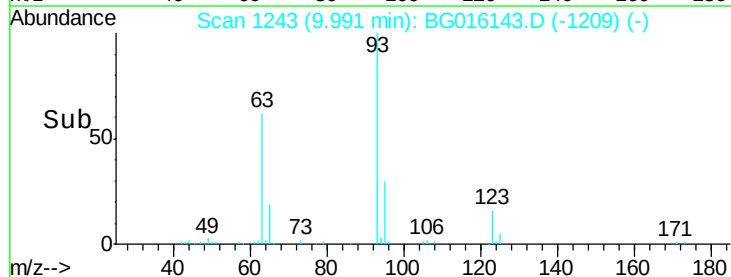
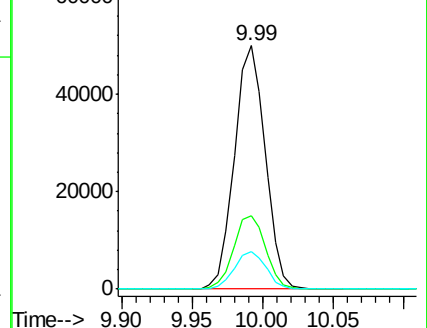
123 15.5 12.3 18.5

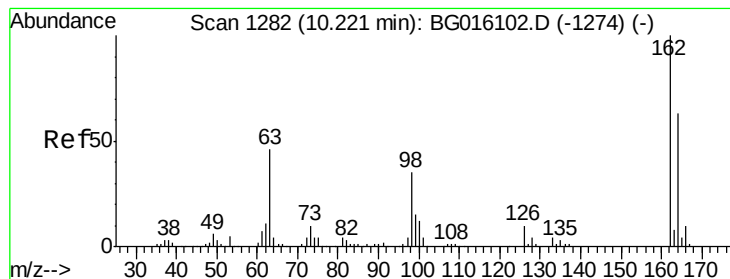


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 19.33 ng

RT: 10.23 min Scan# 1283

Delta R.T. 0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

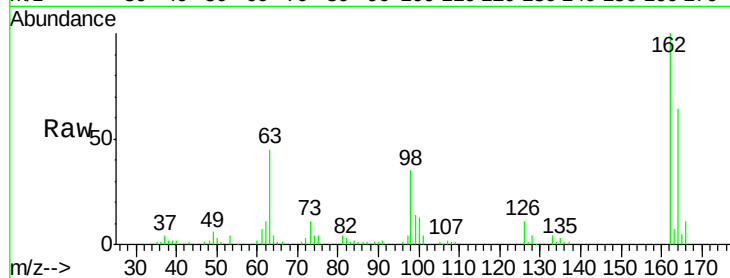
Tgt Ion:162 Resp: 56854

Ion Ratio Lower Upper

162 100

164 63.6 43.5 83.5

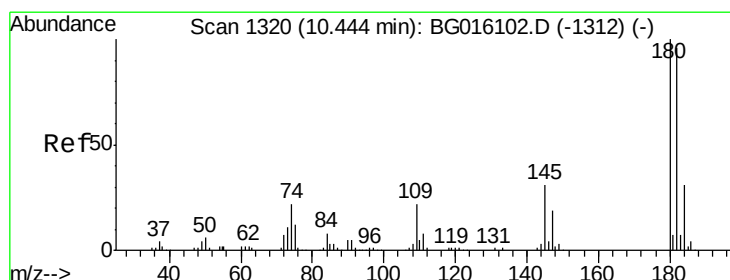
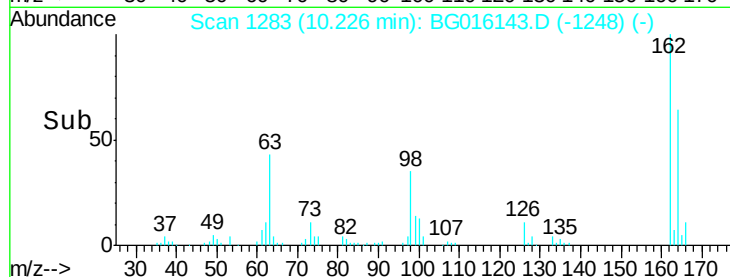
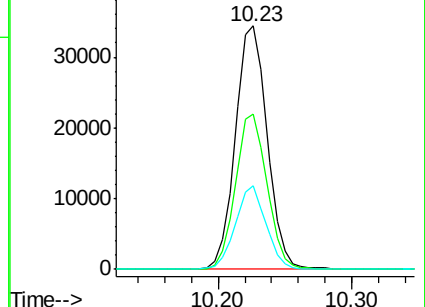
98 34.6 14.8 54.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30

1,2,4-Trichlorobenzene

Concen: 17.50 ng

RT: 10.44 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

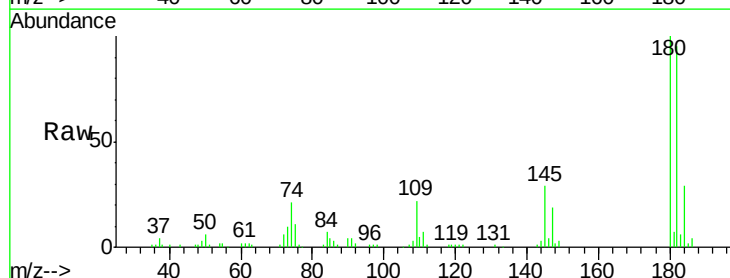
Tgt Ion:180 Resp: 55432

Ion Ratio Lower Upper

180 100

182 94.7 76.8 115.2

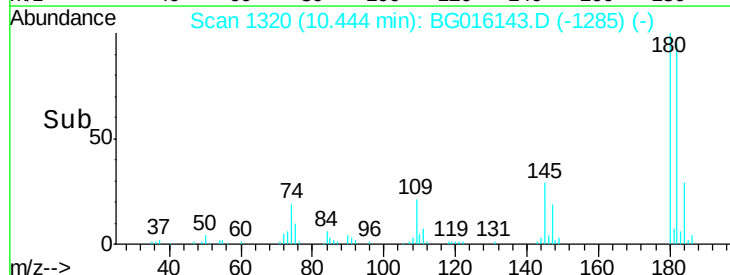
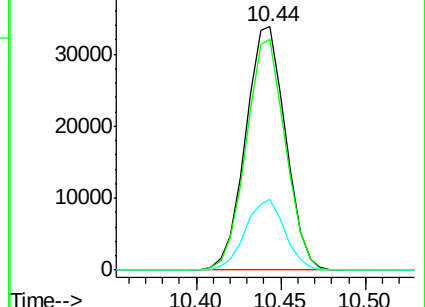
145 29.2 24.8 37.2

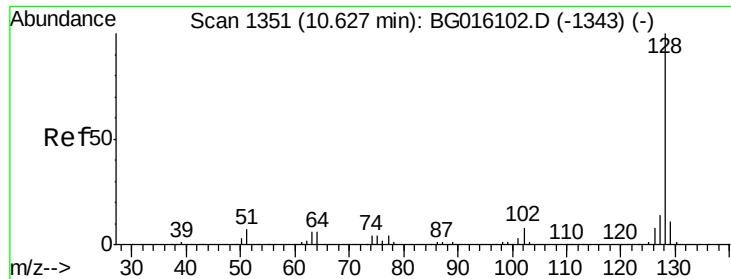


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

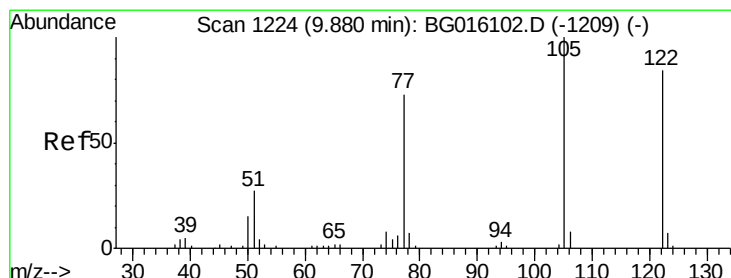
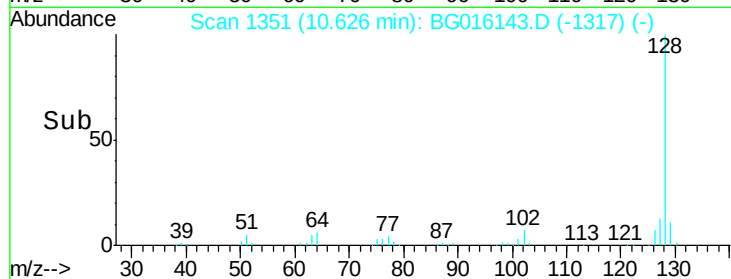
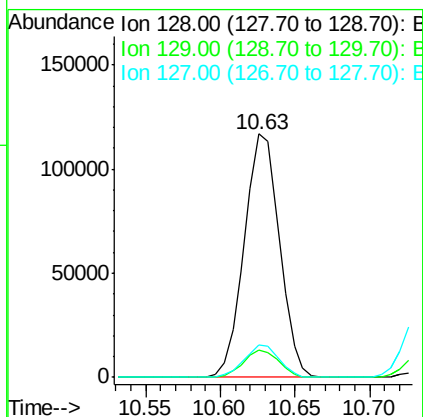
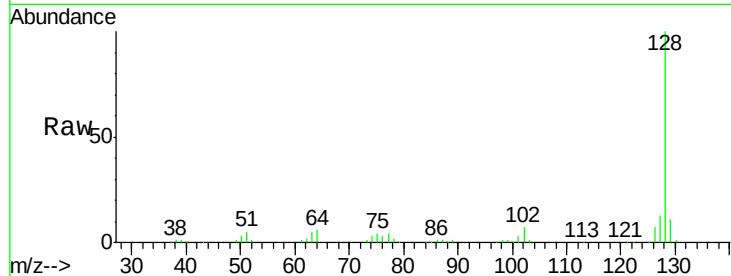




#31
Naphthalene
Concen: 16.81 ng
RT: 10.63 min Scan# 1351
Delta R.T. -0.00 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

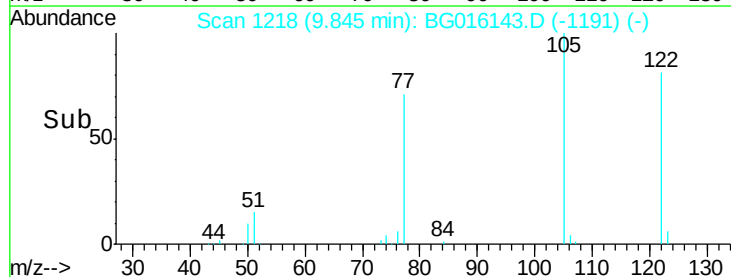
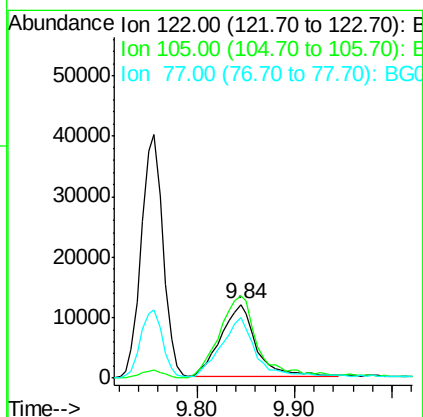
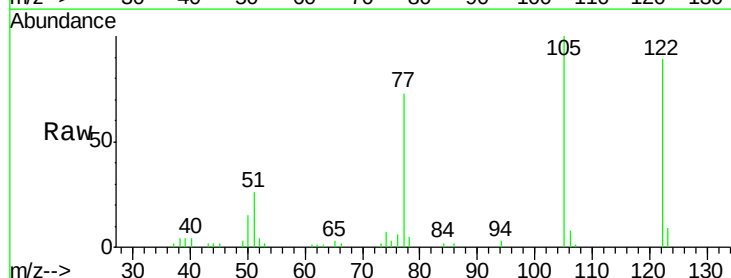
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

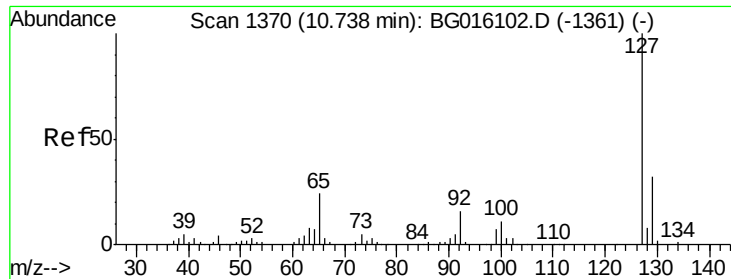
Tgt Ion:128 Resp: 191132
Ion Ratio Lower Upper
128 100
129 11.1 9.2 13.8
127 13.2 10.9 16.3



#32
Benzoic acid
Concen: 17.25 ng
RT: 9.84 min Scan# 1218
Delta R.T. -0.04 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

Tgt Ion:122 Resp: 29800
Ion Ratio Lower Upper
122 100
105 112.3 97.2 137.2
77 81.7 65.0 105.0

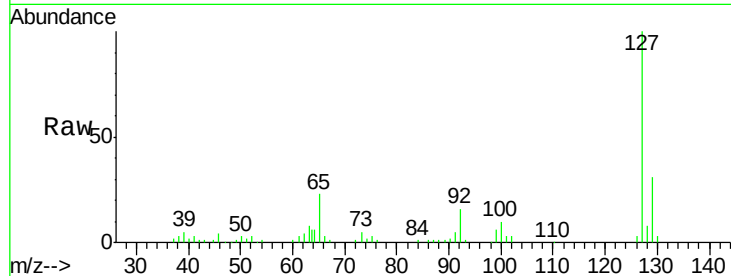




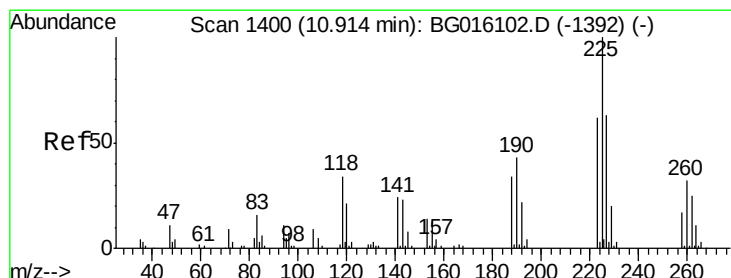
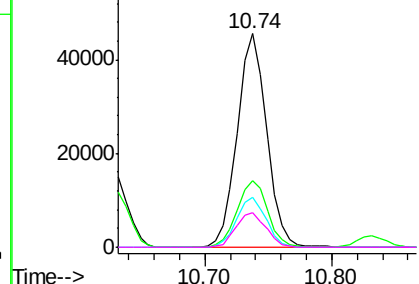
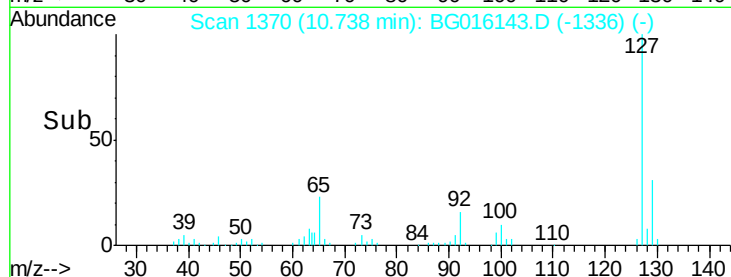
#33
4-Chloroaniline
Concen: 14.66 ng
RT: 10.74 min Scan# 1370
Delta R.T. -0.00 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:	127	Resp:	72956
Ion	Ratio	Lower	Upper
127	100		
129	30.9	25.3	37.9
65	23.2	19.5	29.3
92	16.2	13.1	19.7

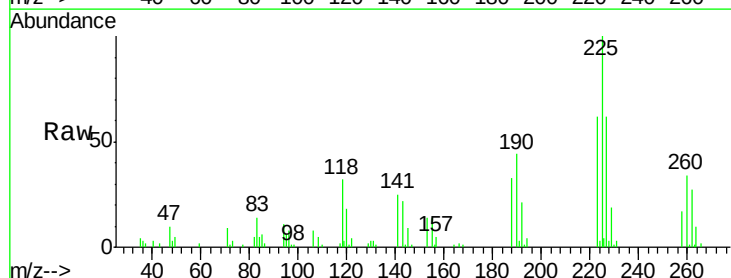


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

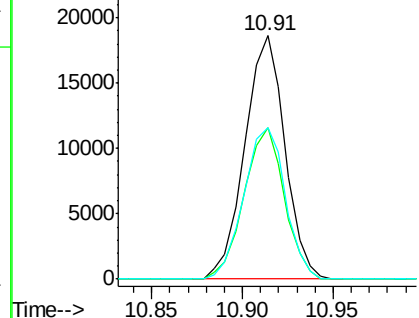
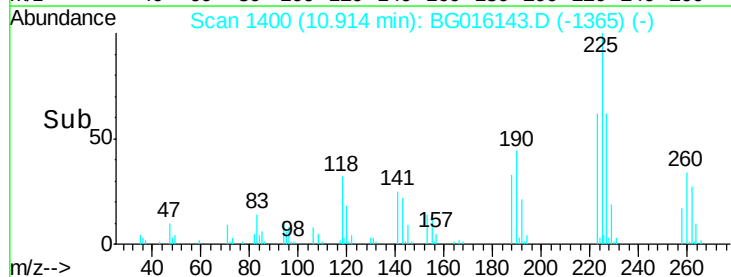


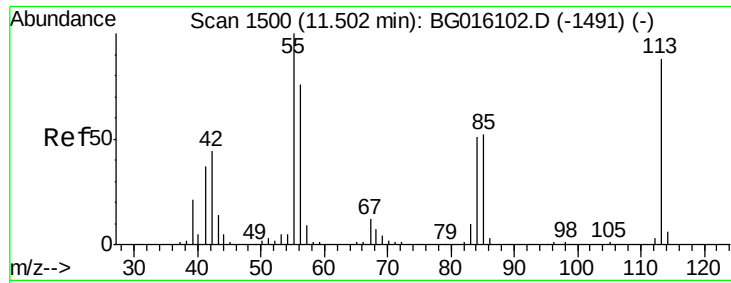
#34
Hexachlorobutadiene
Concen: 16.57 ng
RT: 10.91 min Scan# 1400
Delta R.T. 0.01 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

Tgt Ion:	225	Resp:	28558
Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.5	74.3
227	62.1	50.4	75.6



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

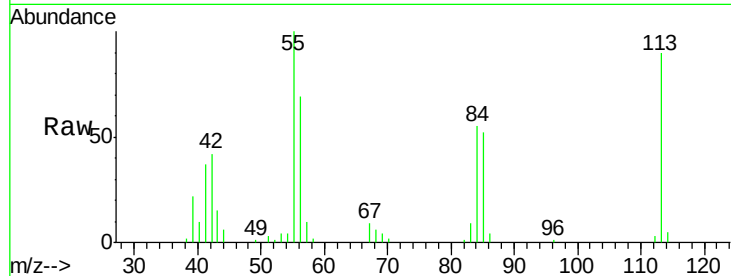




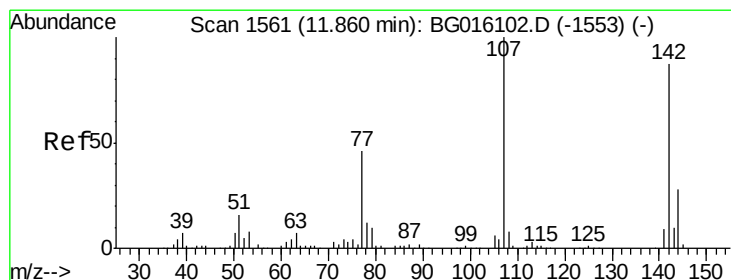
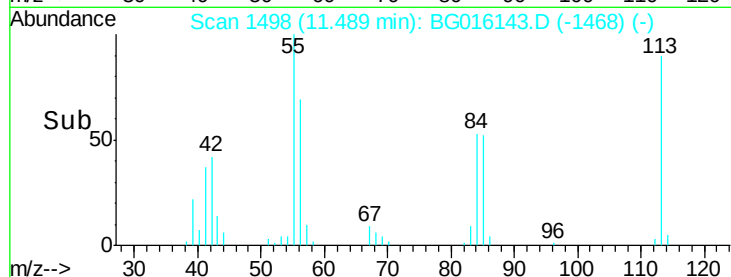
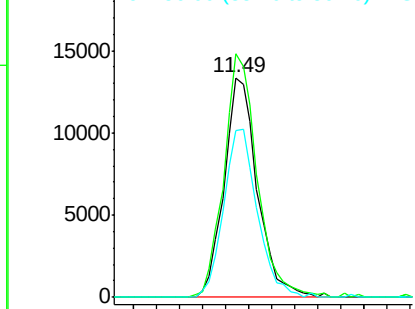
#35
 Caprolactam
 Concen: 16.64 ng
 RT: 11.49 min Scan# 1498
 Delta R.T. -0.02 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:113 Resp: 26584
 Ion Ratio Lower Upper
 113 100
 55 111.0 93.9 133.9
 56 76.1 67.1 107.1

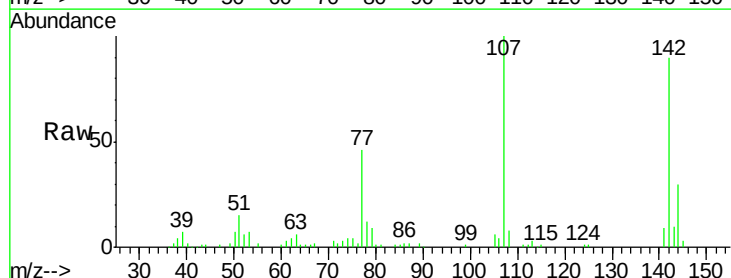


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BG
 Ion 56.00 (55.70 to 56.70): BG

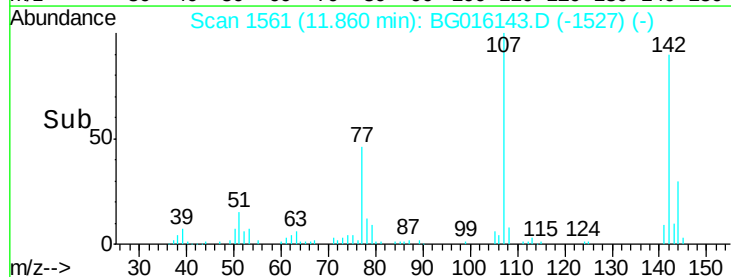
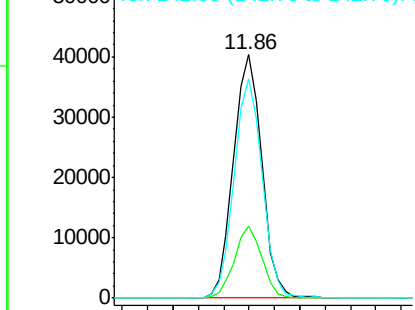


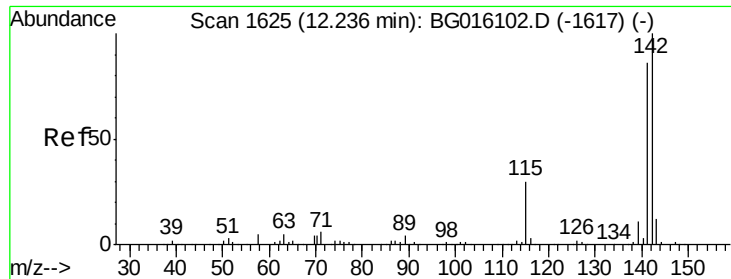
#36
 4-Chloro-3-methylphenol
 Concen: 17.99 ng
 RT: 11.86 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

Tgt Ion:107 Resp: 62424
 Ion Ratio Lower Upper
 107 100
 144 29.8 22.7 34.1
 142 90.2 69.7 104.5



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

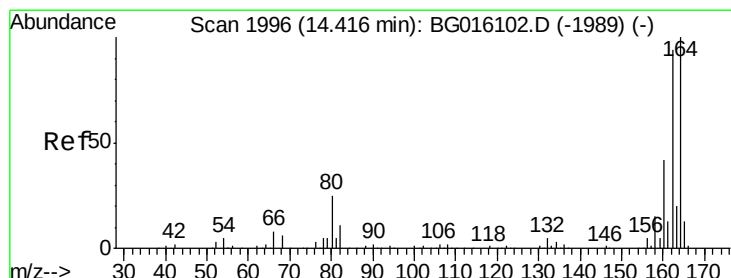
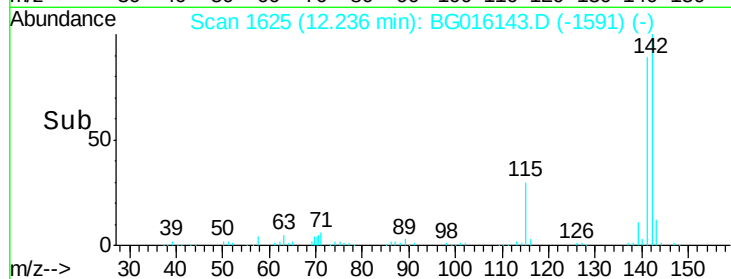
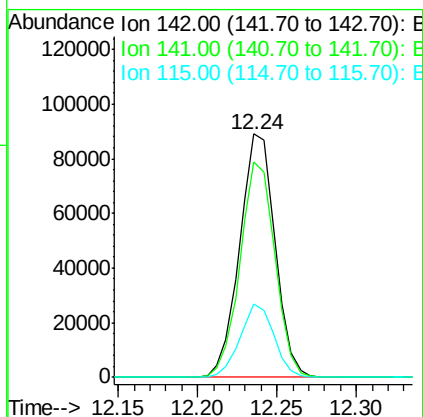
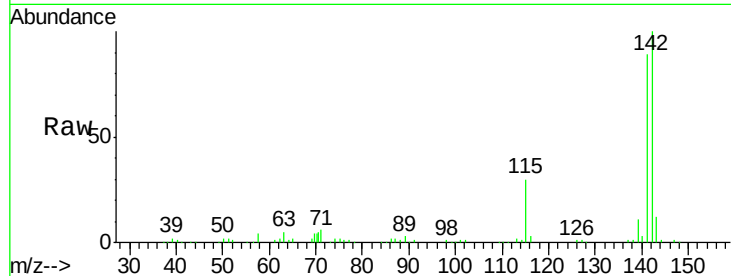




#37
 2-Methylnaphthalene
 Concen: 16.98 ng
 RT: 12.24 min Scan# 1625
 Delta R.T. -0.00 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

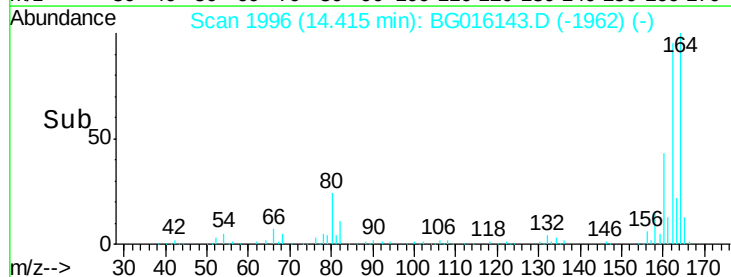
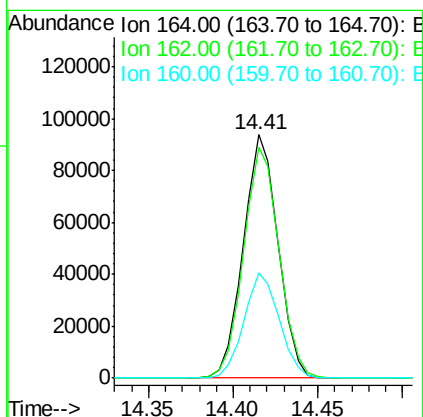
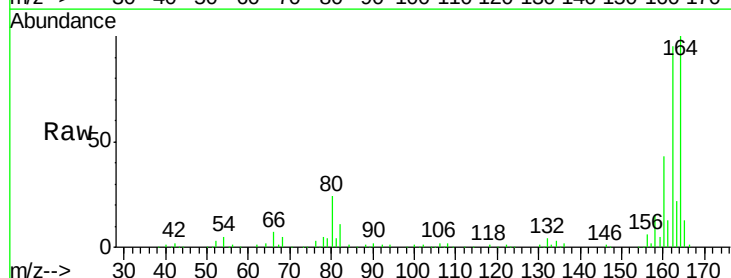
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

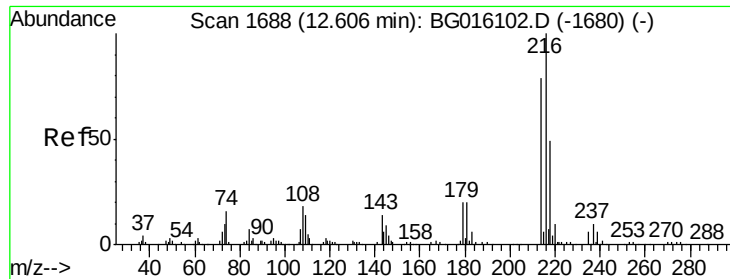
Tgt Ion:142 Resp: 137805
 Ion Ratio Lower Upper
 142 100
 141 88.5 68.6 103.0
 115 30.1 24.0 36.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.41 min Scan# 1996
 Delta R.T. -0.00 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

Tgt Ion:164 Resp: 133754
 Ion Ratio Lower Upper
 164 100
 162 95.0 75.2 112.8
 160 43.3 33.9 50.9





#39

1,2,4,5-Tetrachlorobenzene

Concen: 17.52 ng

RT: 12.61 min Scan# 1688

Delta R.T. -0.00 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:216 Resp: 59013

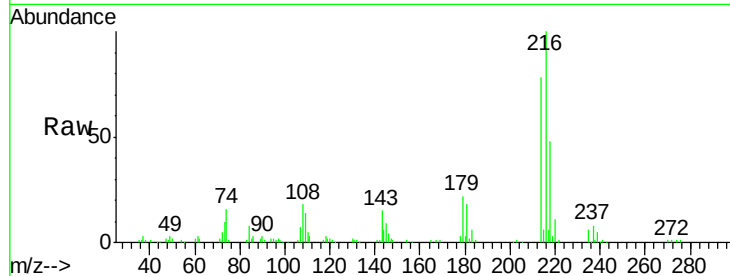
Ion Ratio Lower Upper

216 100

214 80.2 63.0 94.6

179 20.1 15.4 23.2

108 19.4 15.8 23.6

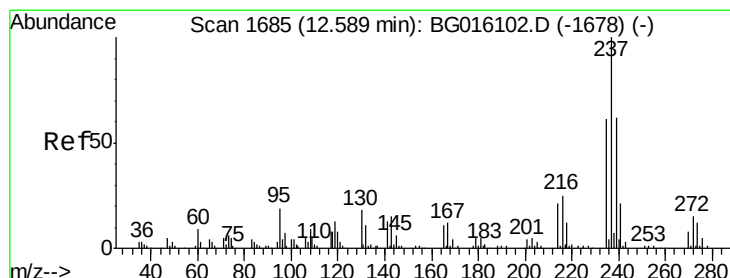
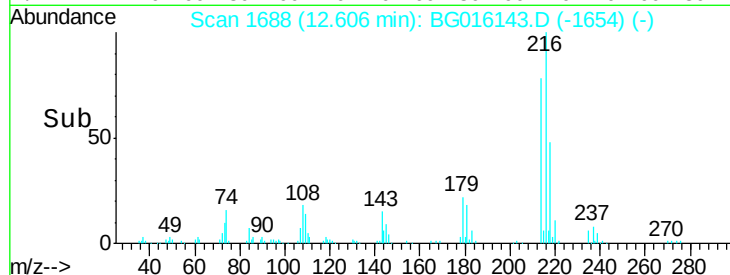
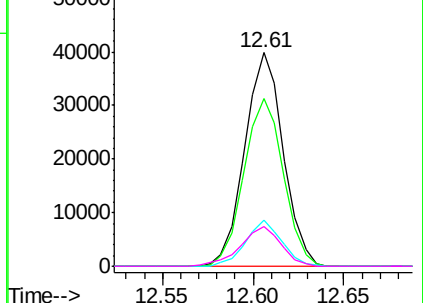


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 16.77 ng

RT: 12.59 min Scan# 1685

Delta R.T. 0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

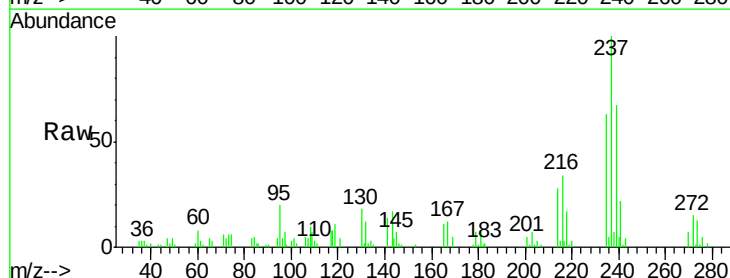
Tgt Ion:237 Resp: 33036

Ion Ratio Lower Upper

237 100

235 63.4 41.5 81.5

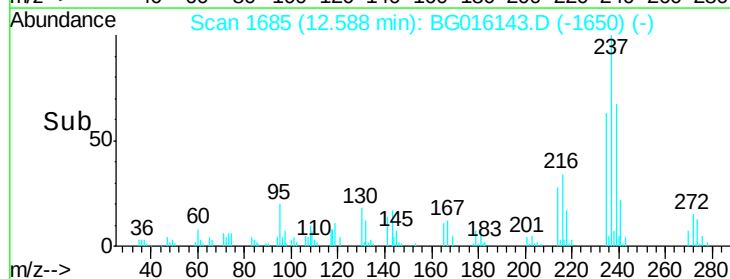
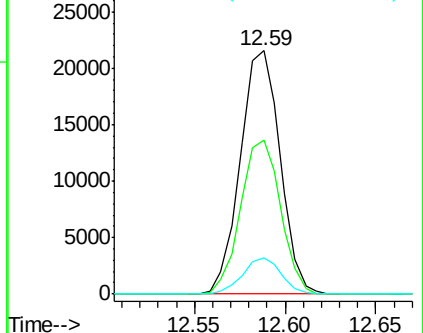
272 14.7 0.0 35.3

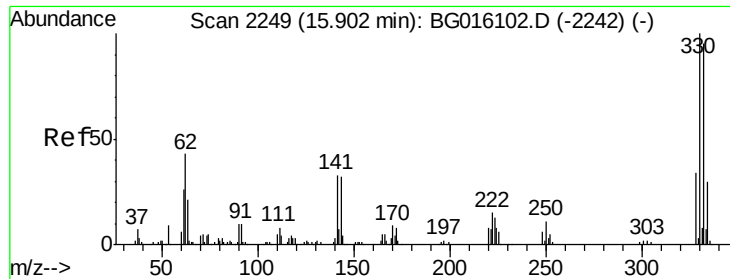


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

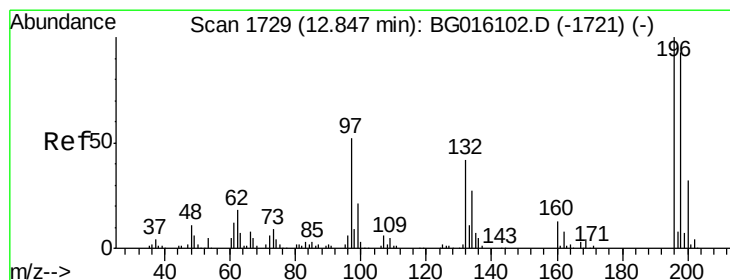
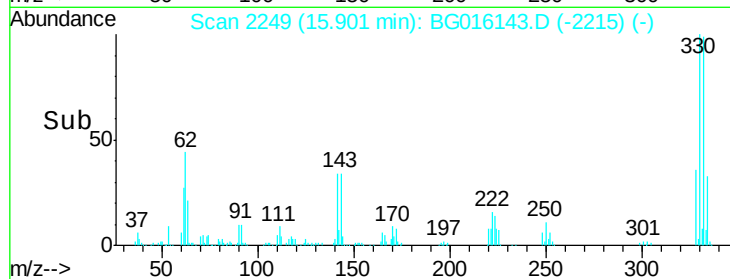
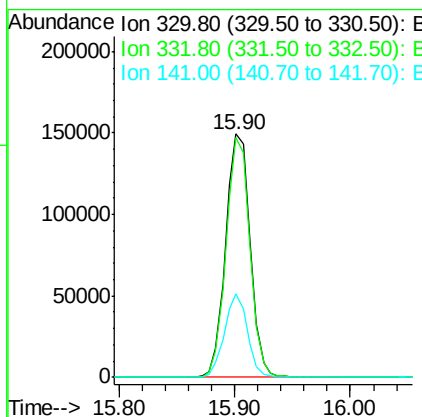
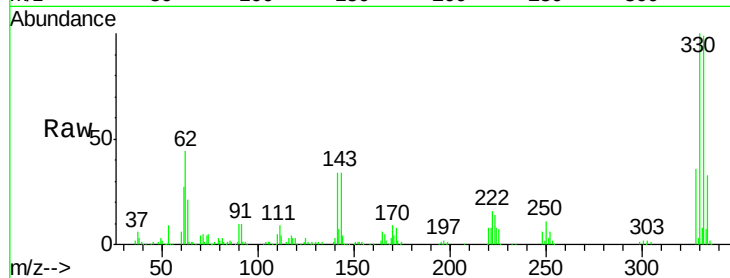




#41
 2,4,6-Tribromophenol
 Concen: 142.81 ng
 RT: 15.90 min Scan# 2249
 Delta R.T. -0.00 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

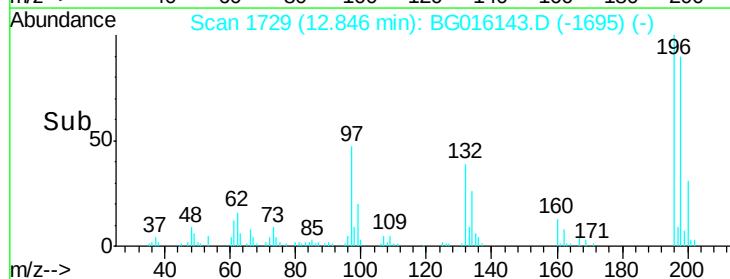
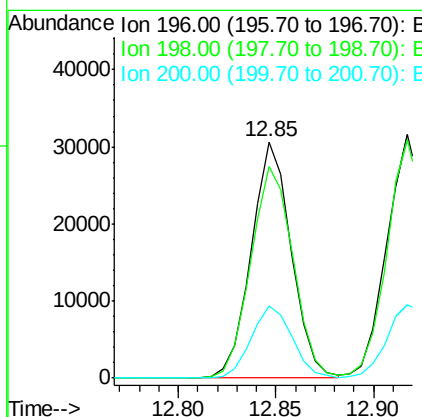
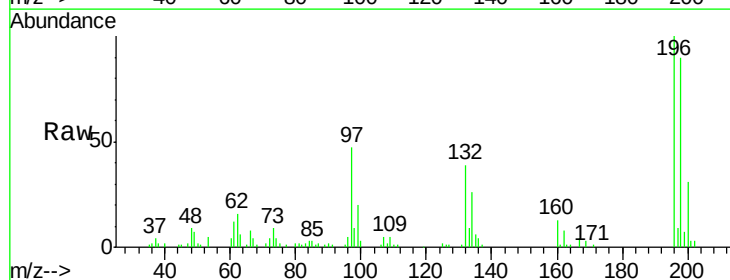
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

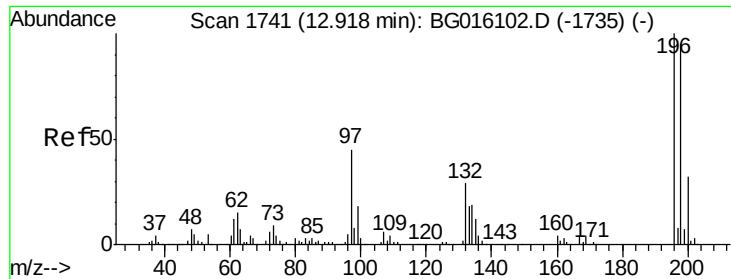
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	114.8
141	32.3	26.2	39.4



#42
 2,4,6-Trichlorophenol
 Concen: 18.08 ng
 RT: 12.85 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

Tgt Ion	Ratio	Lower	Upper
196	100		
198	89.8	74.0	111.0
200	30.6	25.7	38.5

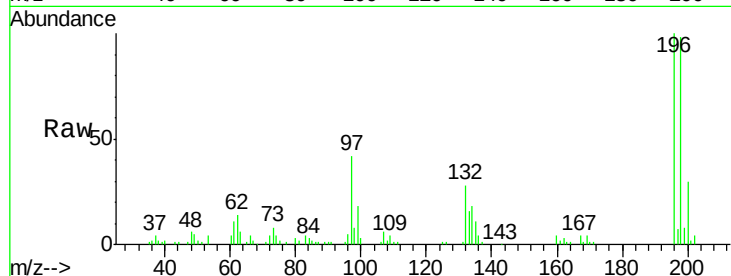




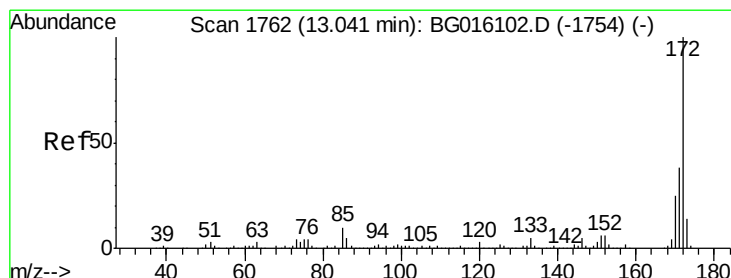
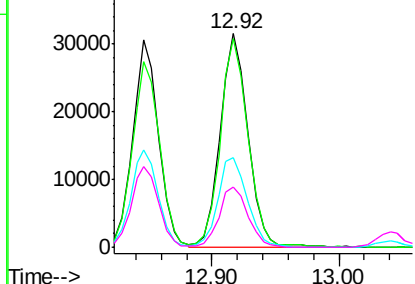
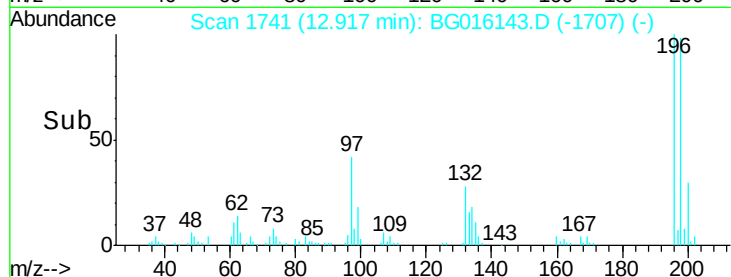
#43
 2,4,5-Trichlorophenol
 Concen: 18.21 ng
 RT: 12.92 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:	196	Resp:	47783
Ion	Ratio	Lower	Upper
196	100		
198	97.7	76.2	114.4
97	42.0	36.2	54.4
132	28.0	23.6	35.4

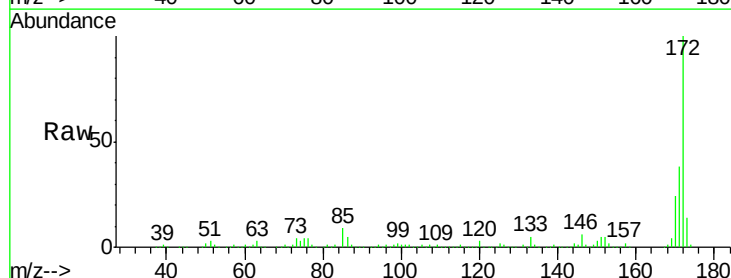


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BG
 Ion 132.00 (131.70 to 132.70): E

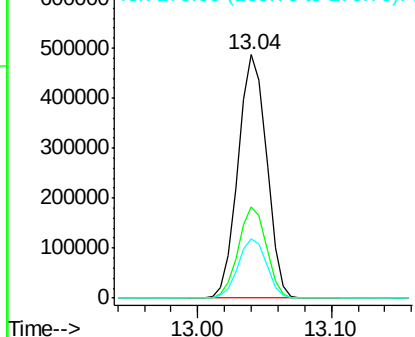
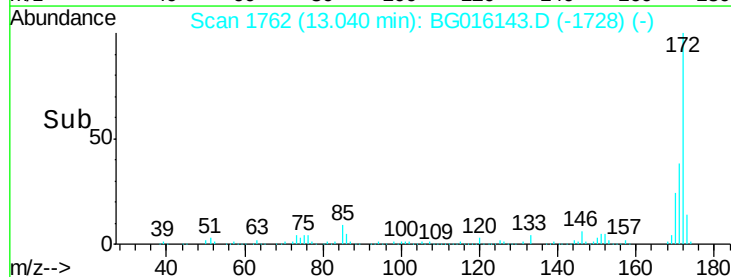


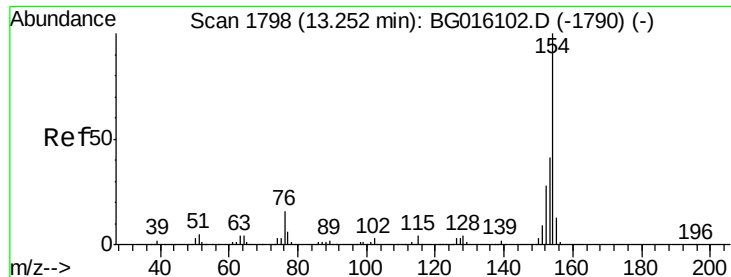
#44
 2-Fluorobiphenyl
 Concen: 89.90 ng
 RT: 13.04 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

Tgt Ion:	172	Resp:	718334
Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.3	45.5
170	24.4	19.8	29.8



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

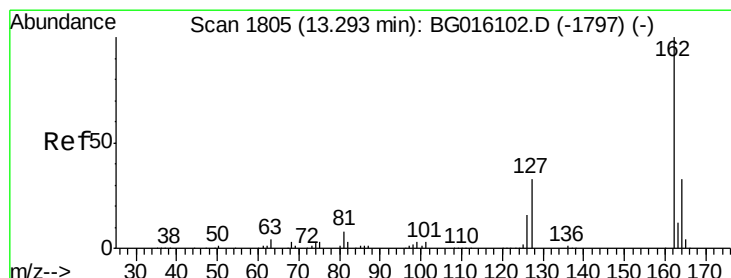
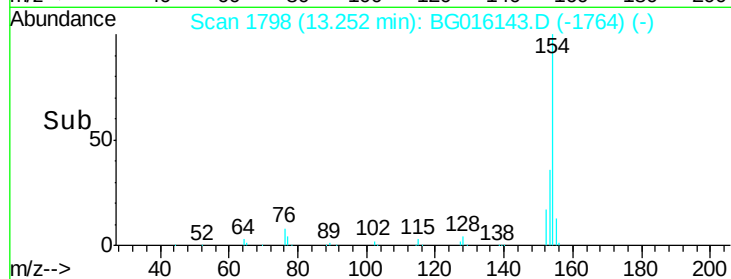
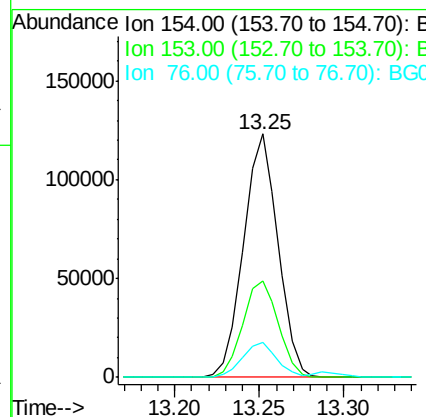
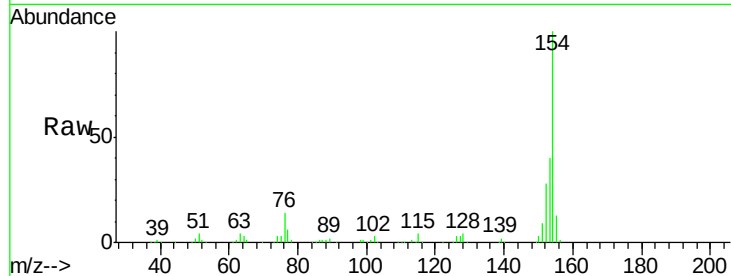




#45
 1,1'-Biphenyl
 Concen: 17.78 ng
 RT: 13.25 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

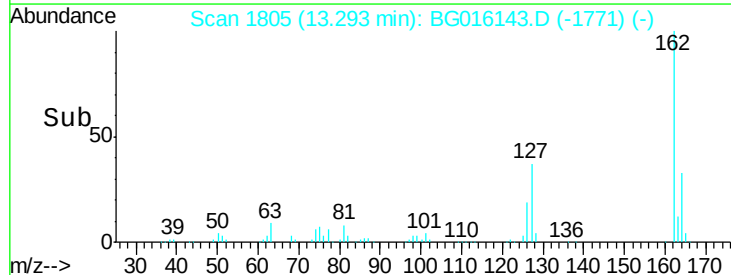
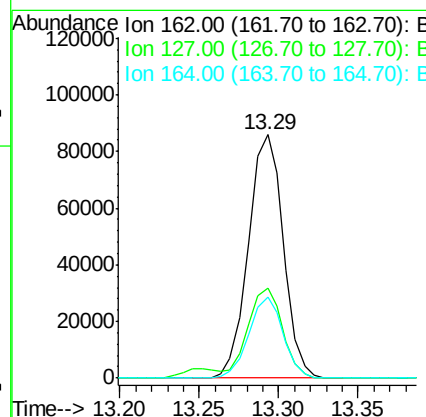
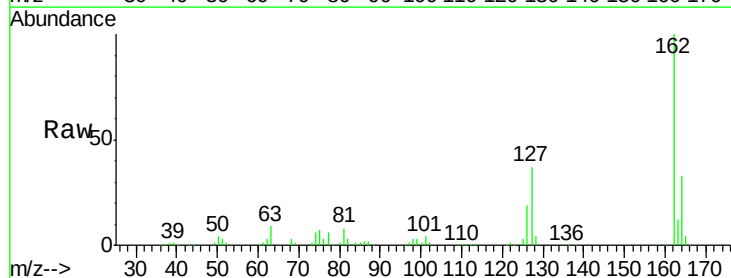
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

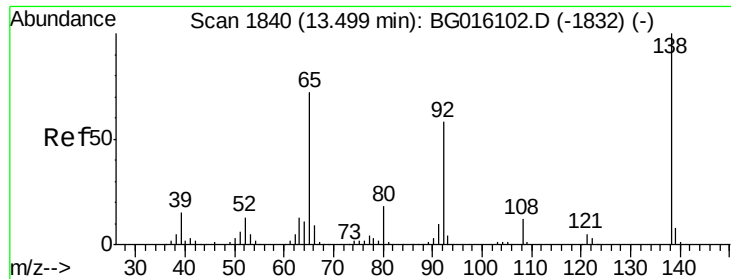
Tgt Ion:154 Resp: 174404
 Ion Ratio Lower Upper
 154 100
 153 39.7 21.4 61.4
 76 14.2 0.0 35.5



#46
 2-Chloronaphthalene
 Concen: 17.16 ng
 RT: 13.29 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

Tgt Ion:162 Resp: 131286
 Ion Ratio Lower Upper
 162 100
 127 37.1 29.4 44.2
 164 33.1 26.1 39.1





#47

2-Nitroaniline

Concen: 16.34 ng

RT: 13.50 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

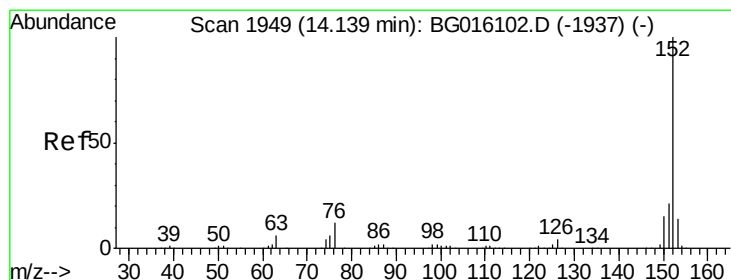
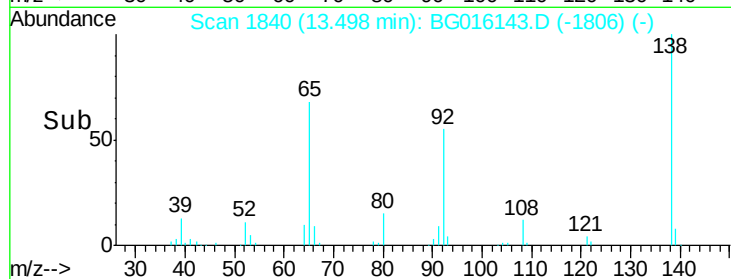
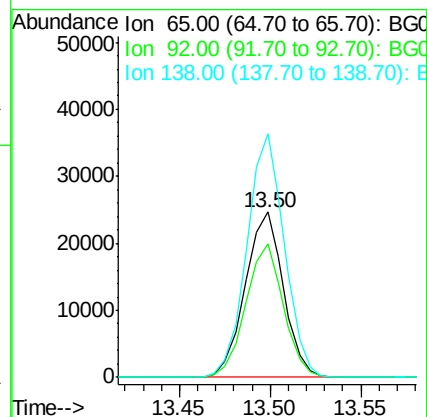
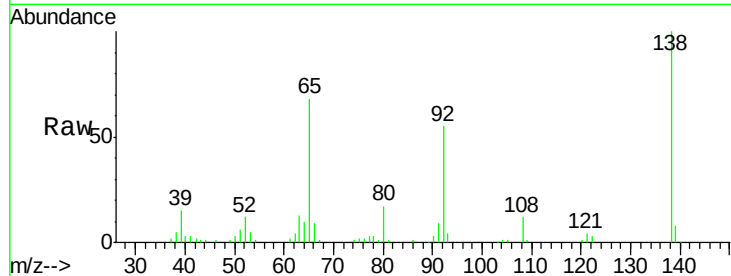
Tgt Ion: 65 Resp: 35912

Ion Ratio Lower Upper

65 100

92 81.1 64.2 96.4

138 147.3 110.4 165.6



#48

Acenaphthylene

Concen: 16.80 ng

RT: 14.14 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

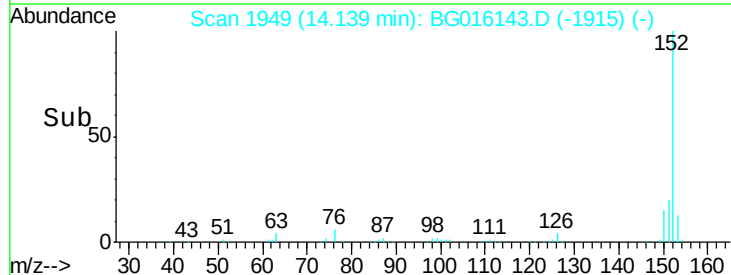
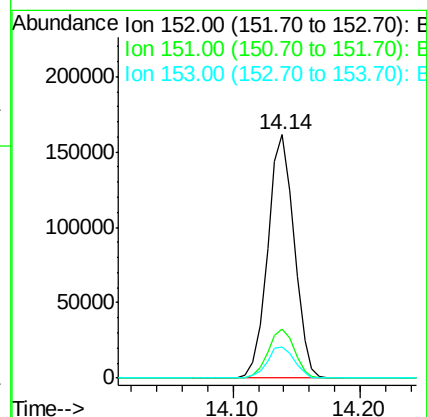
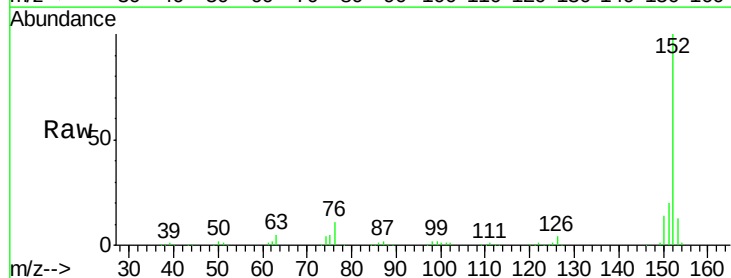
Tgt Ion: 152 Resp: 234820

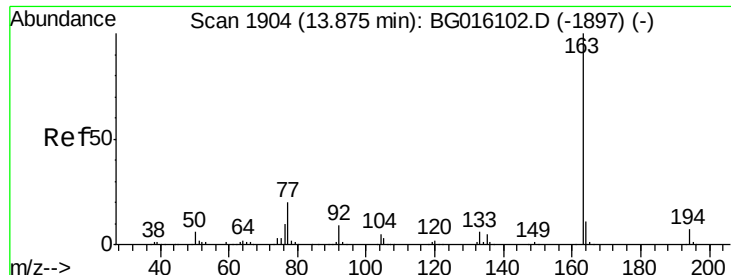
Ion Ratio Lower Upper

152 100

151 20.4 17.0 25.4

153 12.9 11.0 16.4

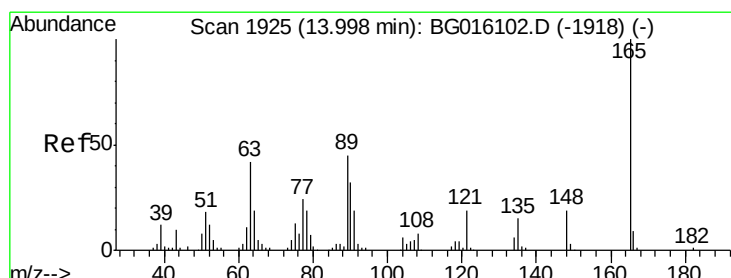
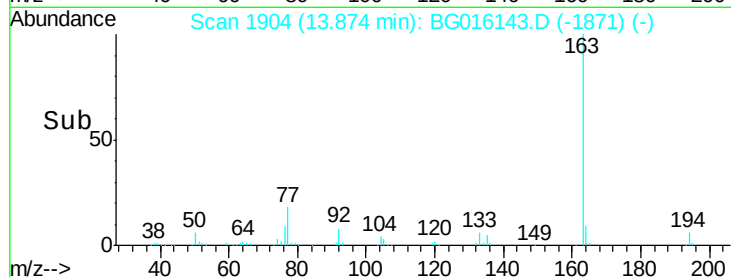
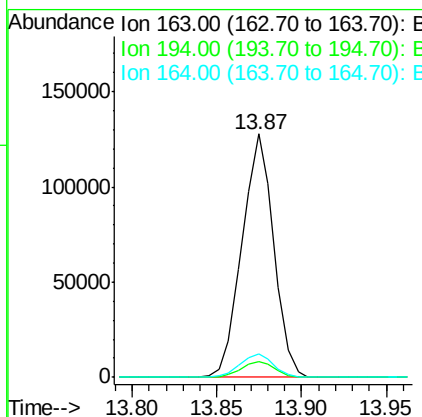
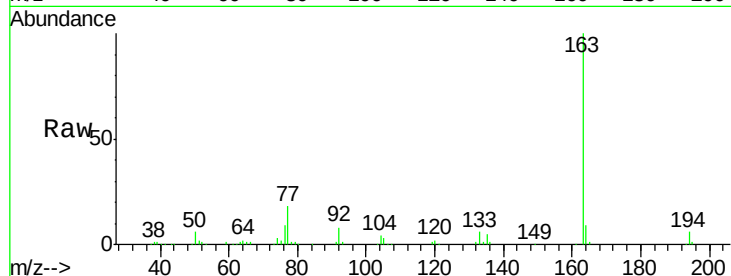




#49
Dimethylphthalate
Concen: 17.82 ng
RT: 13.87 min Scan# 1904
Delta R.T. -0.01 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

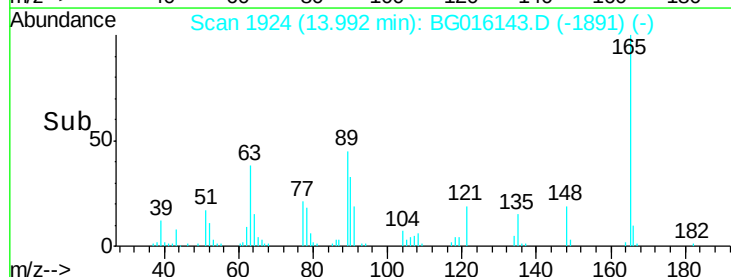
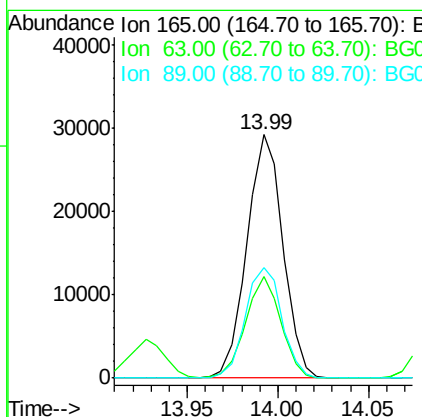
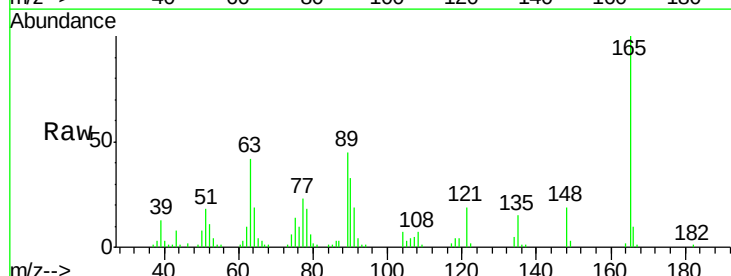
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

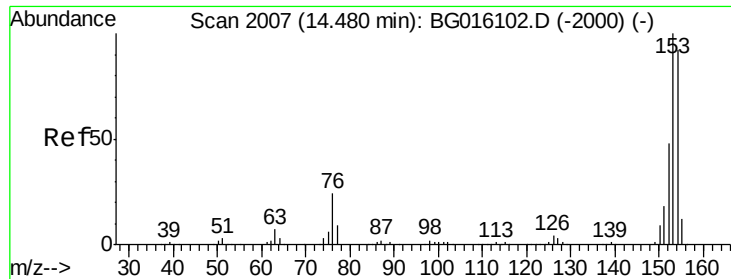
Tgt Ion:163 Resp: 167140
Ion Ratio Lower Upper
163 100
194 6.4 5.4 8.0
164 9.5 8.6 13.0



#50
2,6-Dinitrotoluene
Concen: 18.12 ng
RT: 13.99 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

Tgt Ion:165 Resp: 40303
Ion Ratio Lower Upper
165 100
63 41.9 33.8 50.6
89 45.3 35.8 53.8





#51

Acenaphthene

Concen: 16.57 ng

RT: 14.48 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

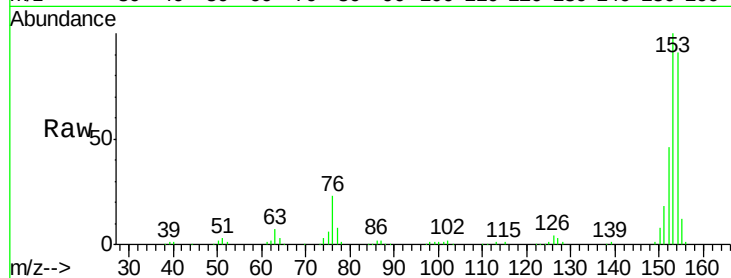
Tgt Ion:154 Resp: 139773

Ion Ratio Lower Upper

154 100

153 110.3 87.2 130.8

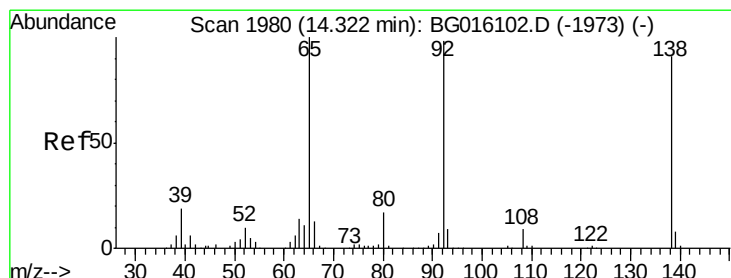
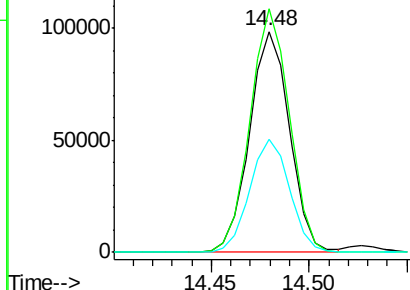
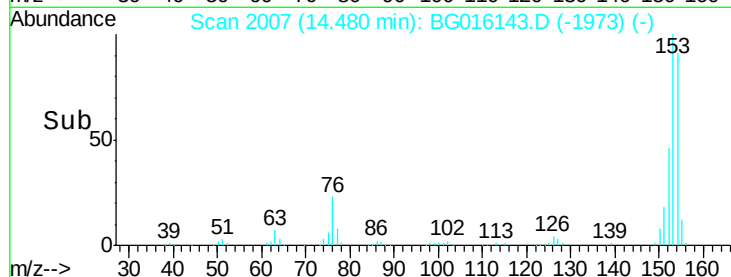
152 51.3 41.8 62.6



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: 16.44 ng

RT: 14.32 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

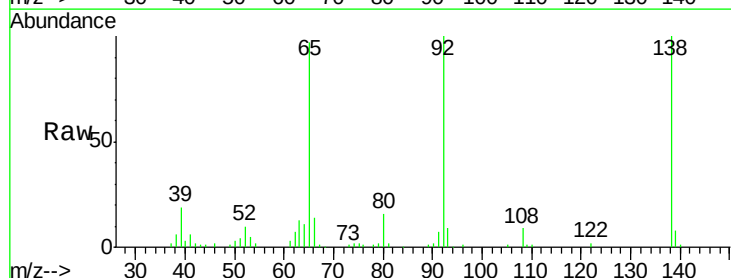
Tgt Ion:138 Resp: 44776

Ion Ratio Lower Upper

138 100

108 8.8 7.8 11.6

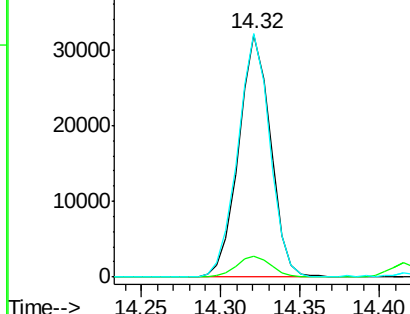
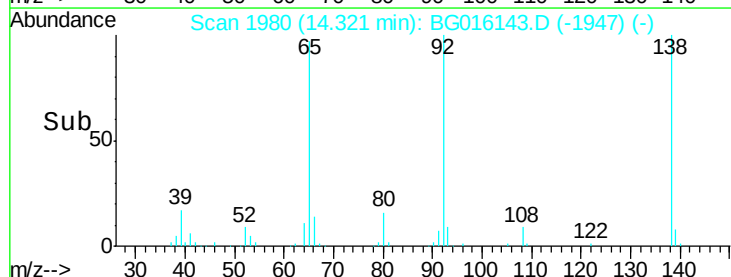
92 100.5 85.8 128.8

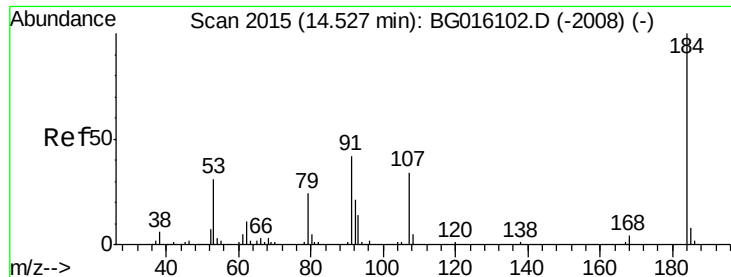


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

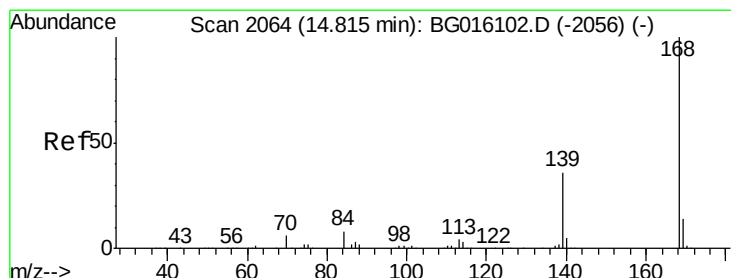
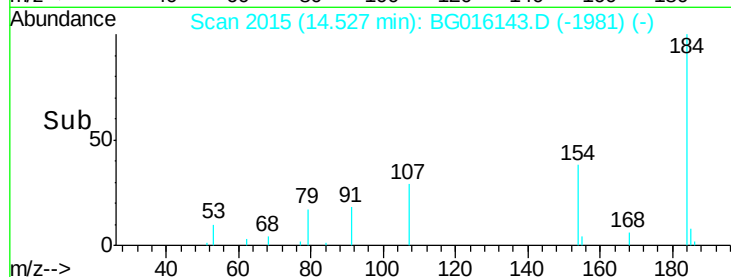
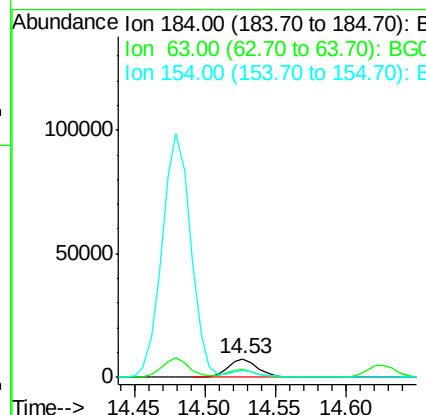
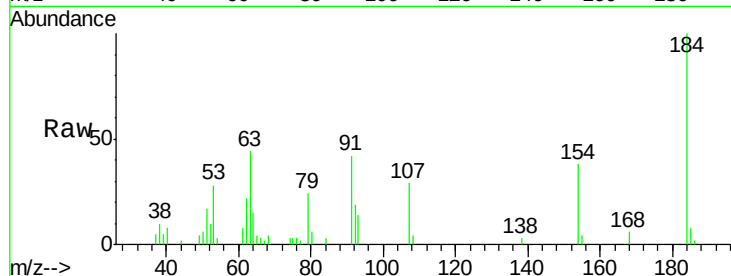




#53
2,4-Dinitrophenol
Concen: 13.05 ng
RT: 14.53 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

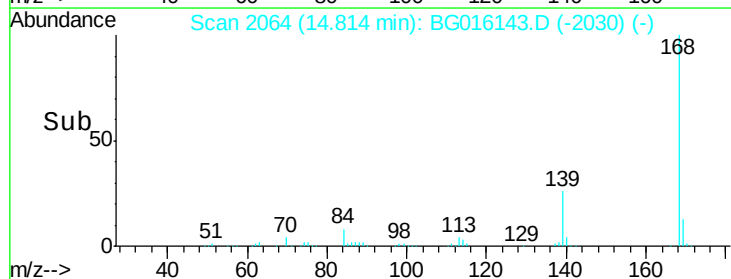
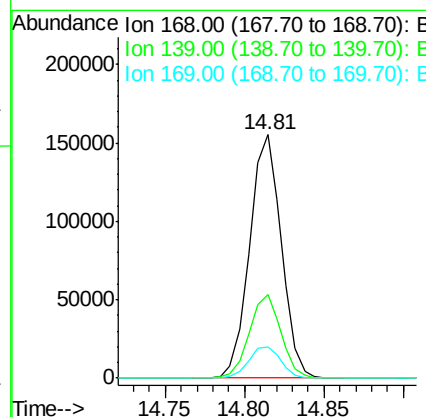
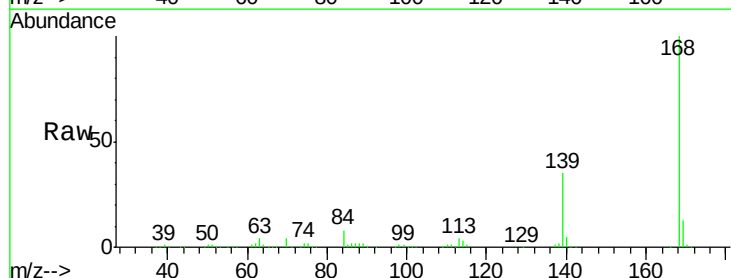
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

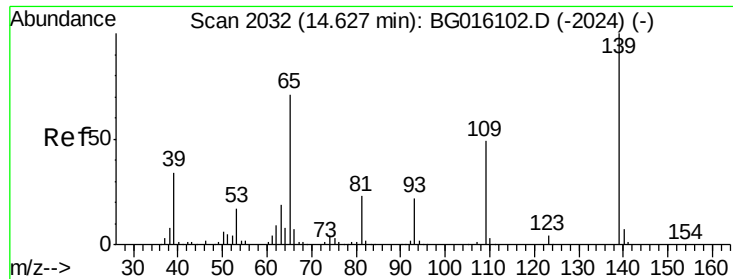
Tgt Ion:184 Resp: 11243
Ion Ratio Lower Upper
184 100
63 43.7 36.5 54.7
154 37.9 30.2 45.4



#54
Dibenzofuran
Concen: 18.23 ng
RT: 14.81 min Scan# 2064
Delta R.T. -0.00 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

Tgt Ion:168 Resp: 214835
Ion Ratio Lower Upper
168 100
139 34.5 29.0 43.4
169 13.0 11.1 16.7

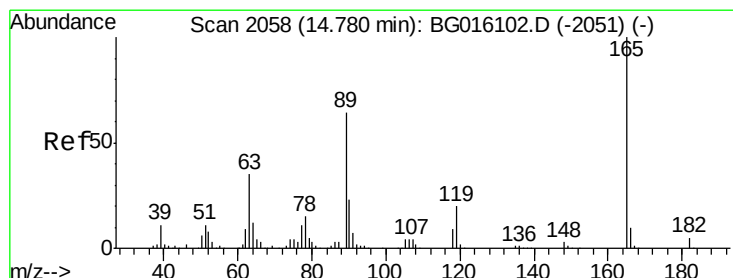
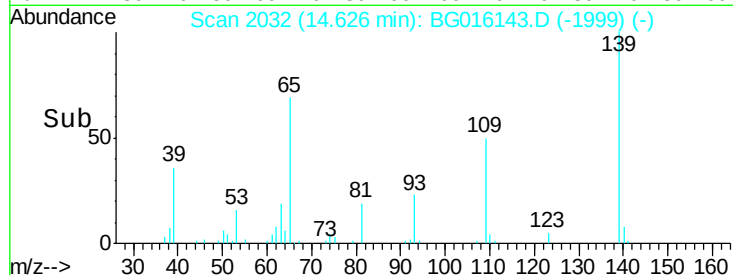
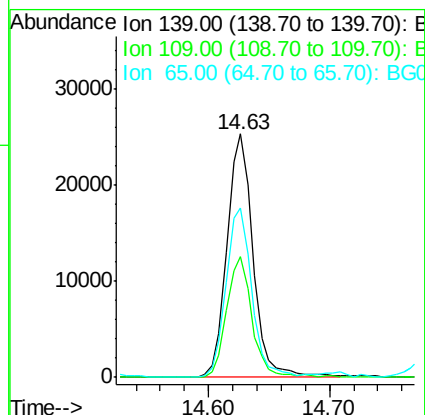
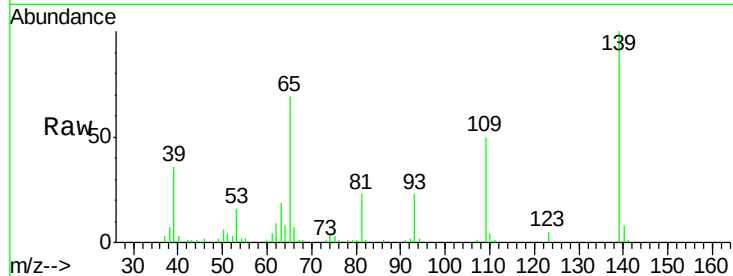




#55
4-Nitrophenol
Concen: 17.24 ng
RT: 14.63 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

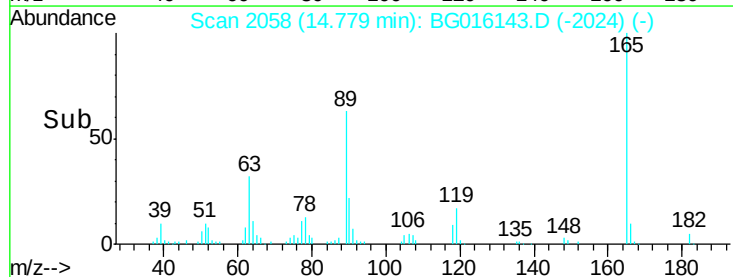
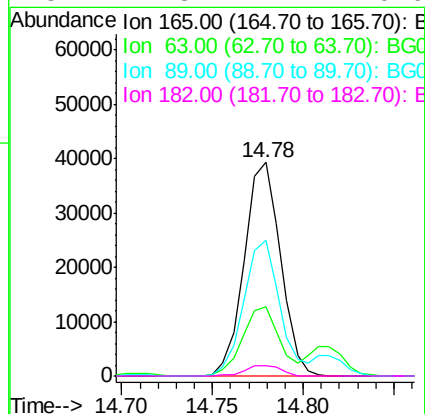
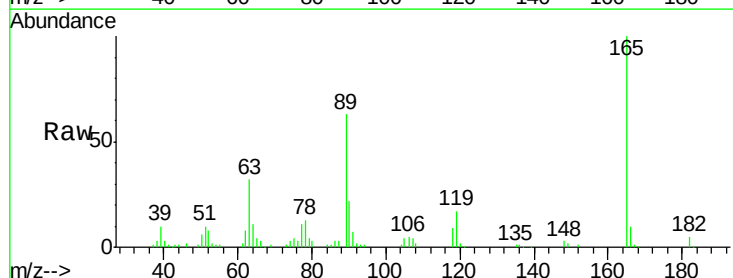
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

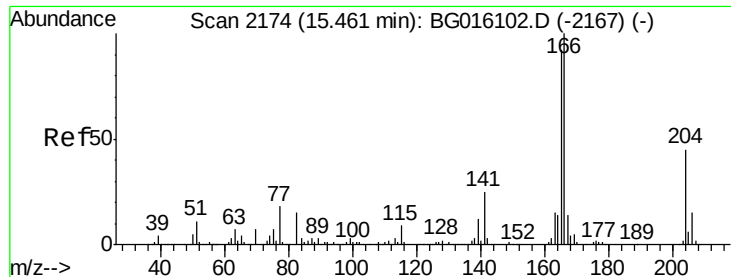
Tgt Ion:139 Resp: 38049
Ion Ratio Lower Upper
139 100
109 49.6 28.7 68.7
65 69.3 50.7 90.7



#56
2,4-Dinitrotoluene
Concen: 17.95 ng
RT: 14.78 min Scan# 2058
Delta R.T. -0.00 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

Tgt Ion:165 Resp: 54708
Ion Ratio Lower Upper
165 100
63 32.1 27.8 41.6
89 63.5 51.2 76.8
182 4.8 4.4 6.6





#57

Fluorene

Concen: 17.56 ng

RT: 15.46 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

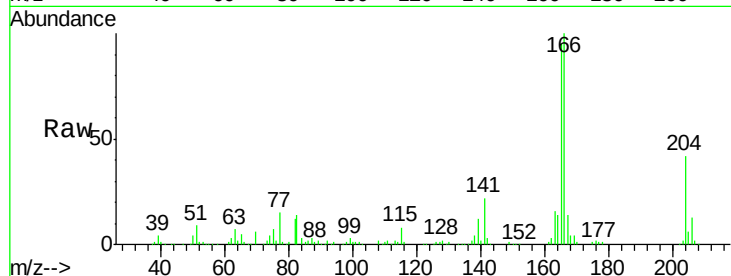
Tgt Ion:166 Resp: 184563

Ion Ratio Lower Upper

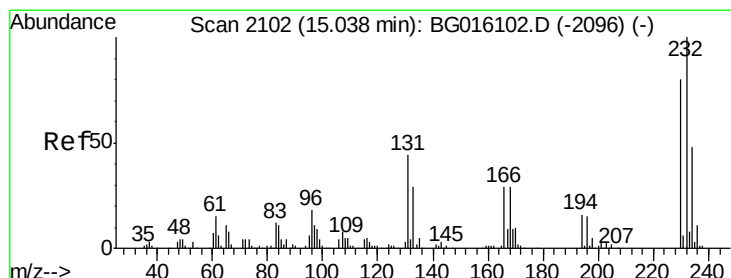
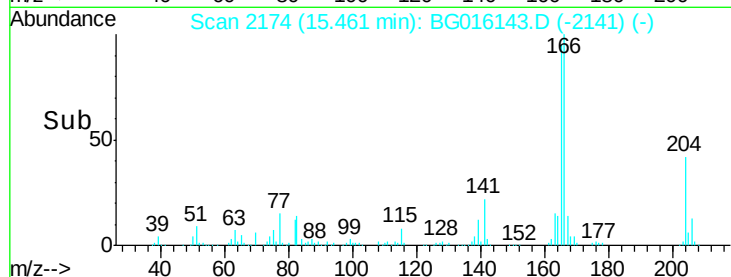
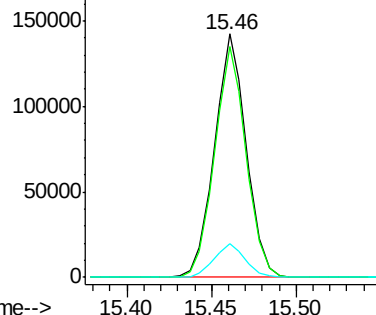
166 100

165 94.8 73.9 110.9

167 13.7 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: 18.81 ng

RT: 15.04 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Tgt Ion:232 Resp: 44011

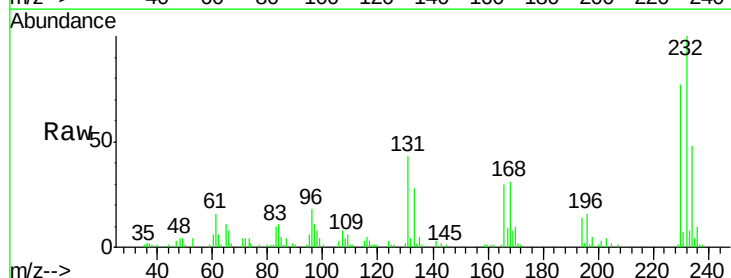
Ion Ratio Lower Upper

232 100

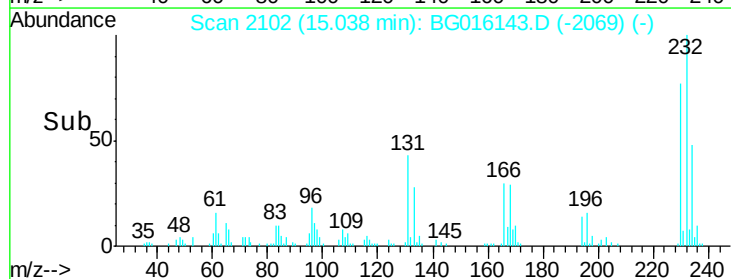
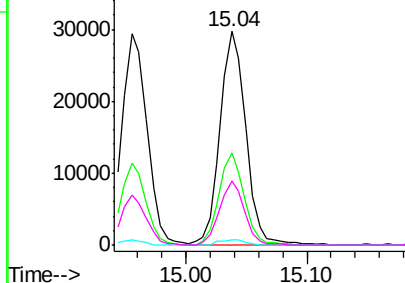
131 41.7 36.0 54.0

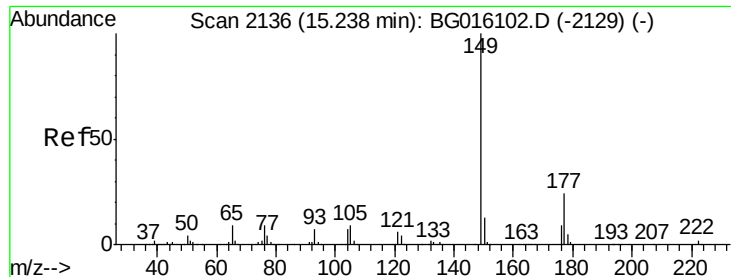
130 2.3 1.9 2.9

166 28.5 24.1 36.1



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





#59

Diethylphthalate

Concen: 17.95 ng

RT: 15.24 min Scan# 2136

Delta R.T. -0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

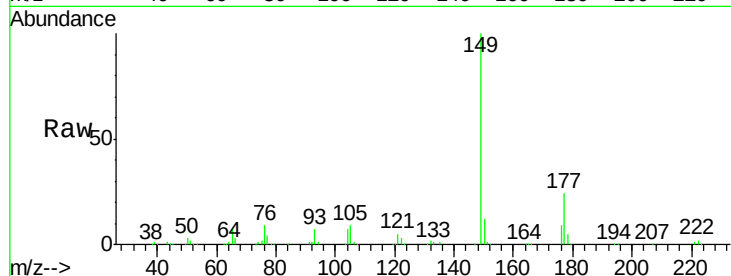
Tgt Ion:149 Resp: 173126

Ion Ratio Lower Upper

149 100

177 24.2 19.5 29.3

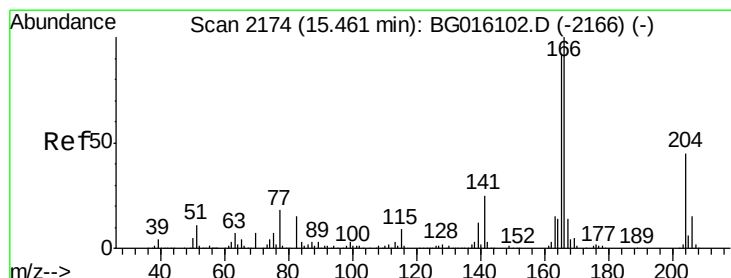
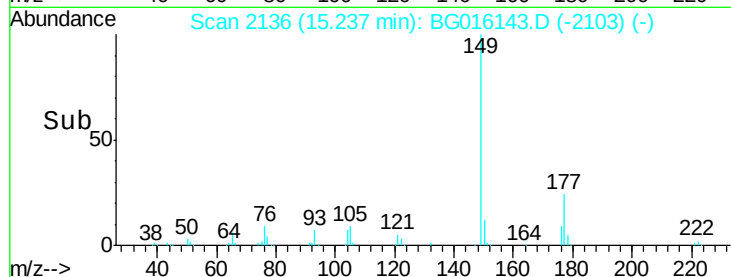
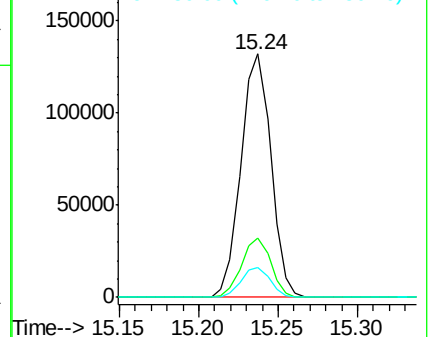
150 12.1 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 18.27 ng

RT: 15.45 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

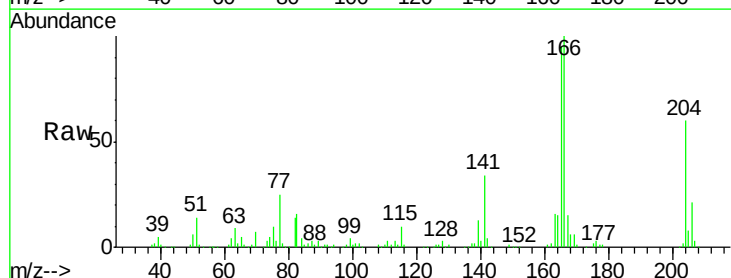
Tgt Ion:204 Resp: 84483

Ion Ratio Lower Upper

204 100

206 34.2 26.5 39.7

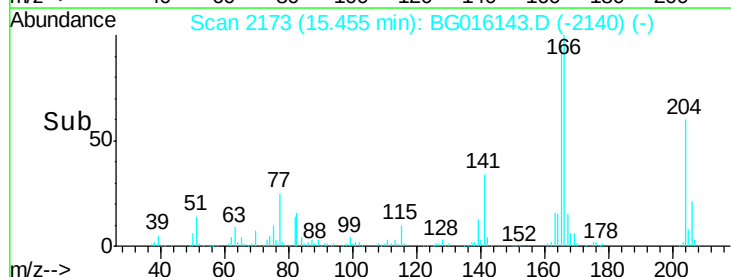
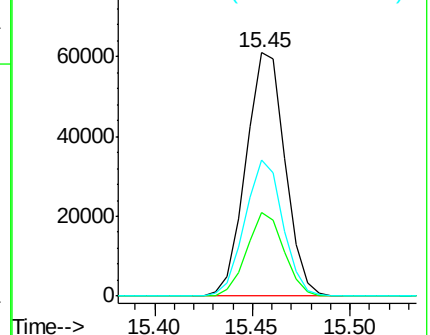
141 55.9 45.0 67.6

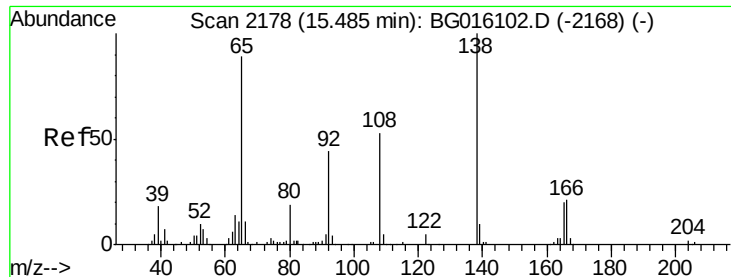


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

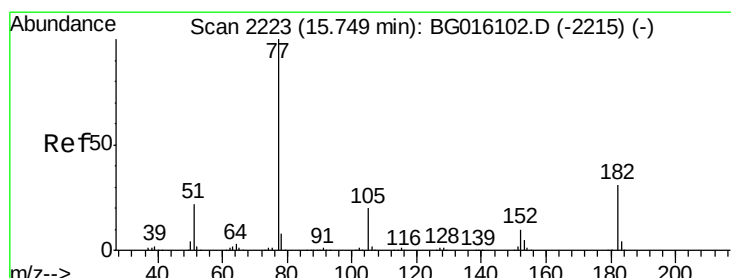
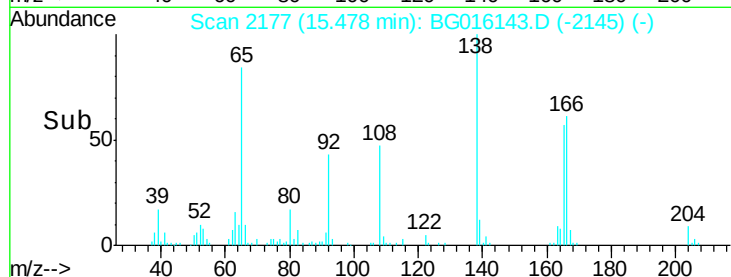
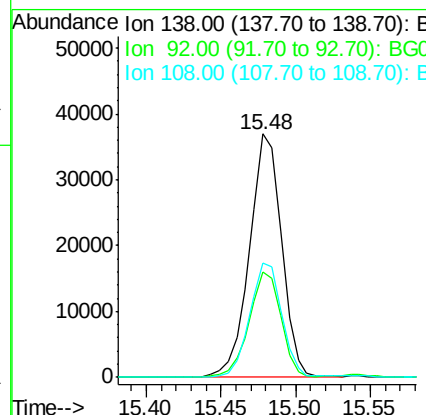
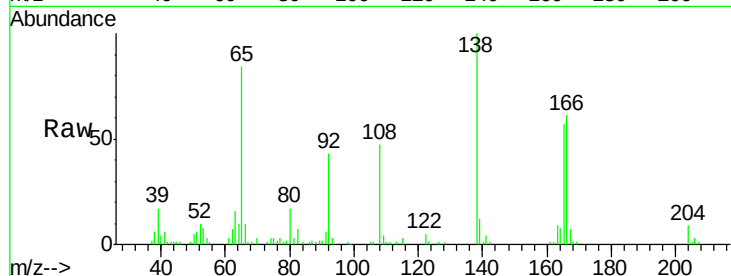




#61
4-Nitroaniline
Concen: 17.82 ng
RT: 15.48 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

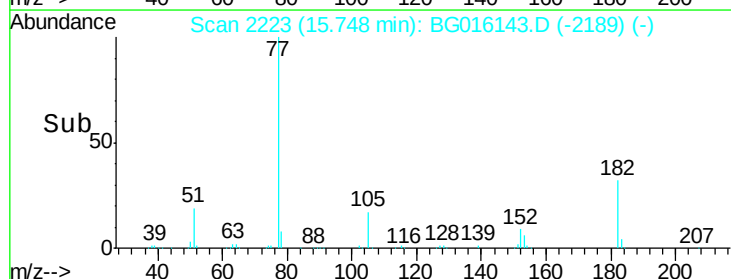
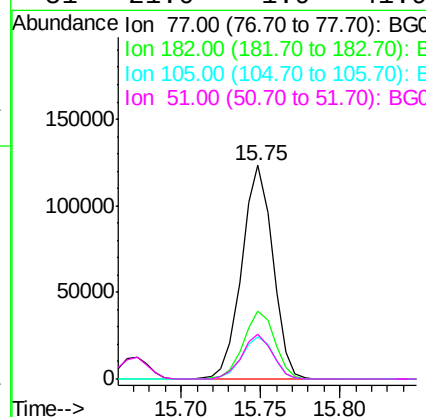
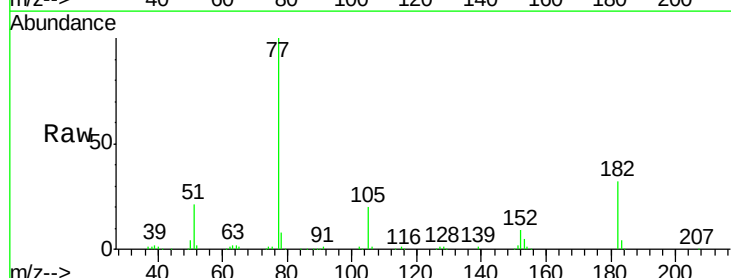
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

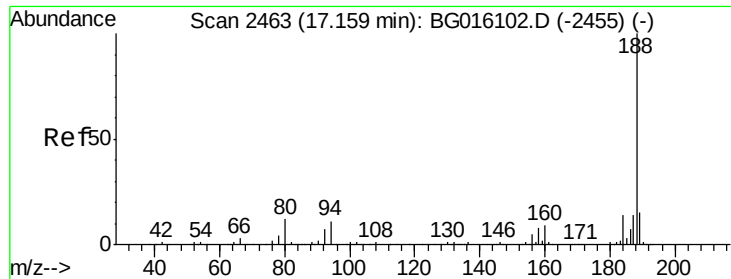
Tgt Ion: 138 Resp: 54913
Ion Ratio Lower Upper
138 100
92 43.1 24.2 64.2
108 47.2 32.7 72.7



#62
Azobenzene
Concen: 16.83 ng
RT: 15.75 min Scan# 2223
Delta R.T. -0.00 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

Tgt Ion: 77 Resp: 167203
Ion Ratio Lower Upper
77 100
182 32.0 10.9 50.9
105 19.7 0.0 40.0
51 21.0 1.9 41.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.15 min Scan# 2462

Delta R.T. -0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

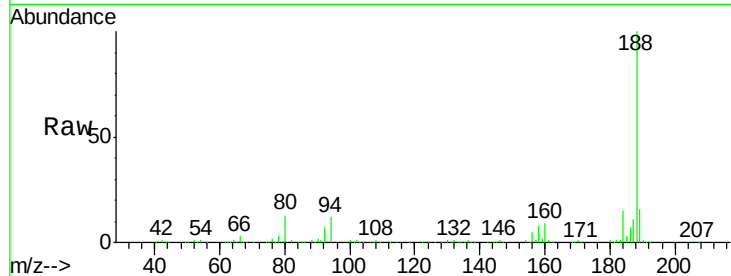
Tgt Ion:188 Resp: 298838

Ion Ratio Lower Upper

188 100

94 12.3 9.1 13.7

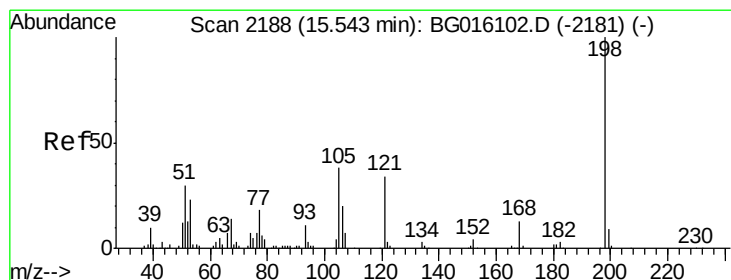
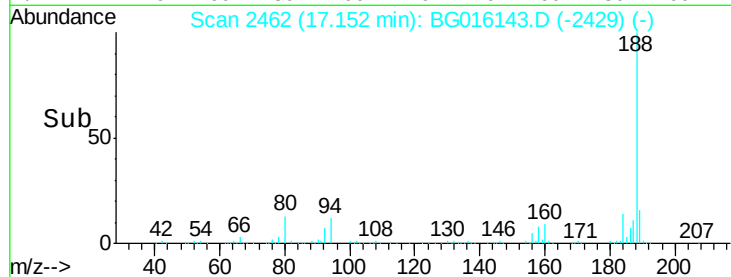
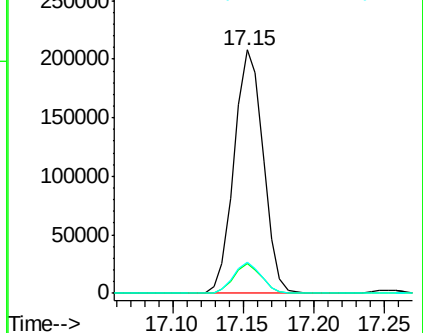
80 12.7 9.8 14.8



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: 12.41 ng

RT: 15.54 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

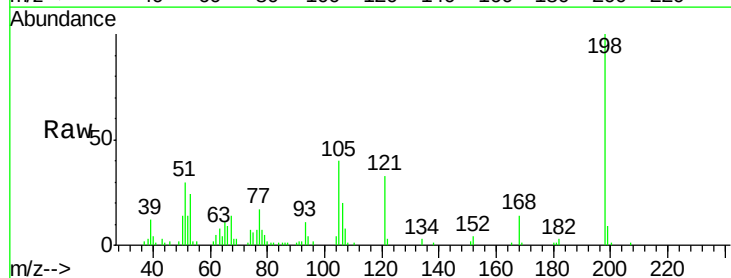
Tgt Ion:198 Resp: 24639

Ion Ratio Lower Upper

198 100

51 30.4 10.7 50.7

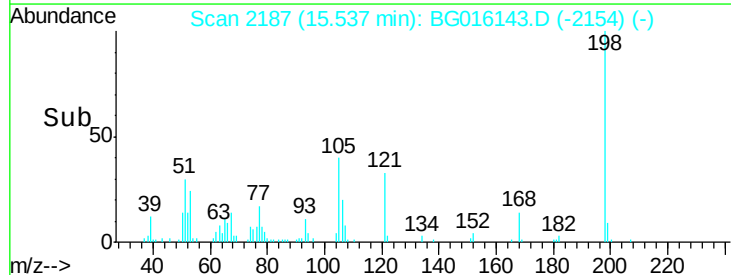
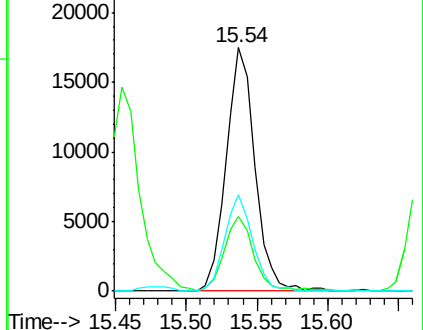
105 39.6 18.3 58.3

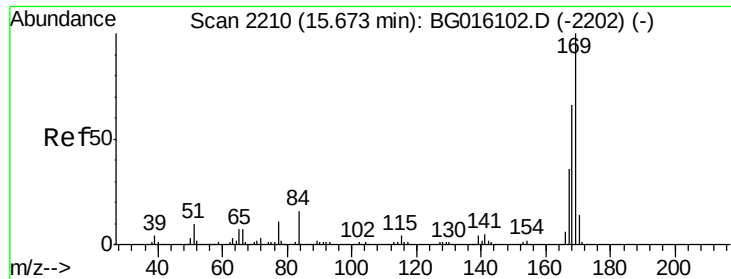


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 17.14 ng

RT: 15.67 min Scan# 2210

Delta R.T. -0.00 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

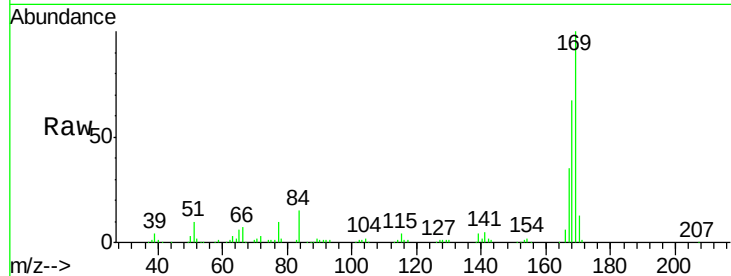
Tgt Ion:169 Resp: 163281

Ion Ratio Lower Upper

169 100

168 67.3 53.0 79.4

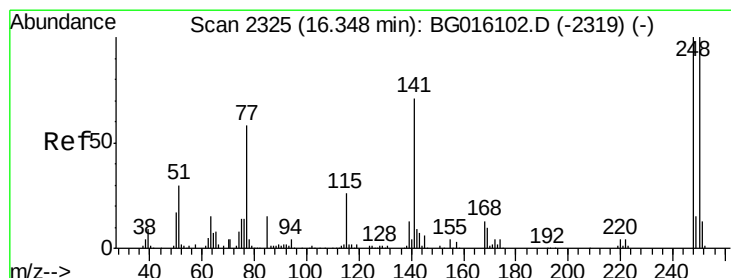
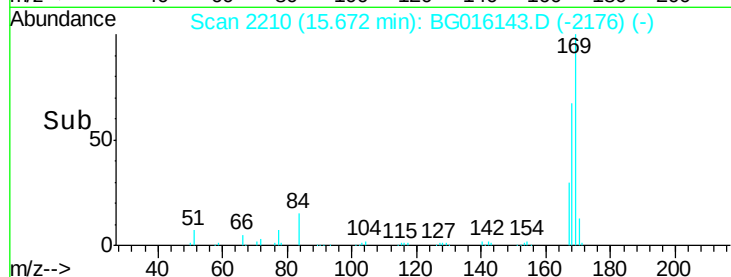
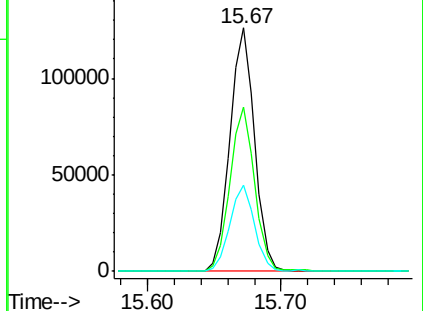
167 35.5 29.0 43.4



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 17.02 ng

RT: 16.35 min Scan# 2325

Delta R.T. -0.00 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

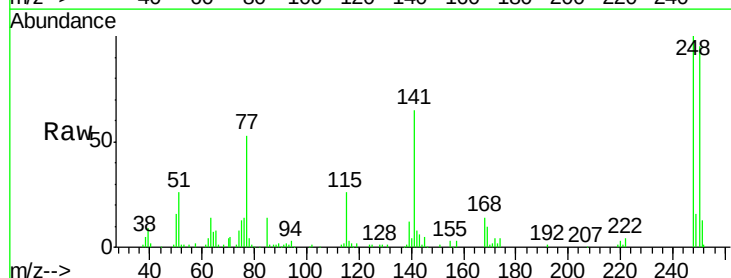
Tgt Ion:248 Resp: 52178

Ion Ratio Lower Upper

248 100

250 95.2 80.2 120.2

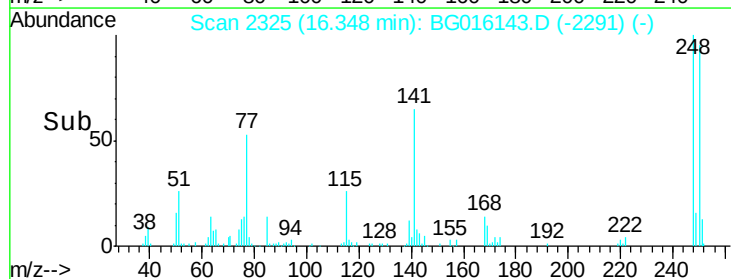
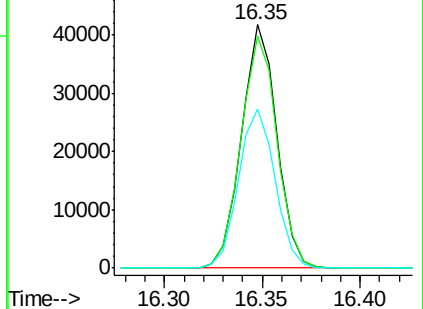
141 65.4 57.0 85.4

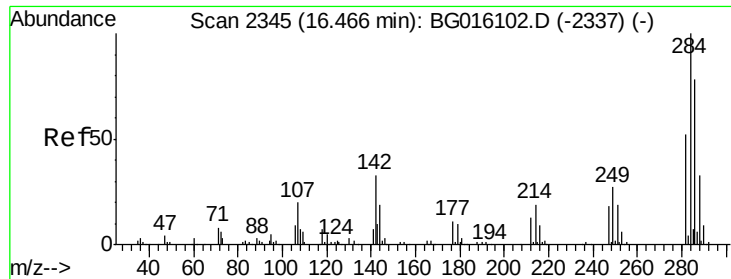


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

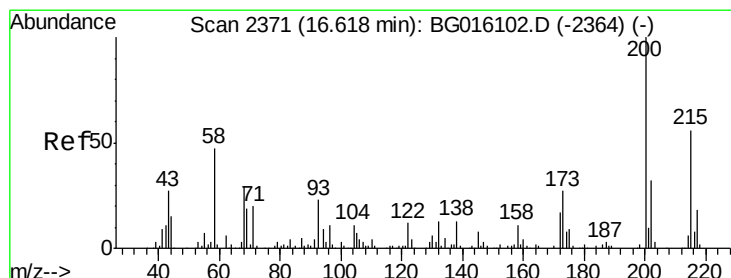
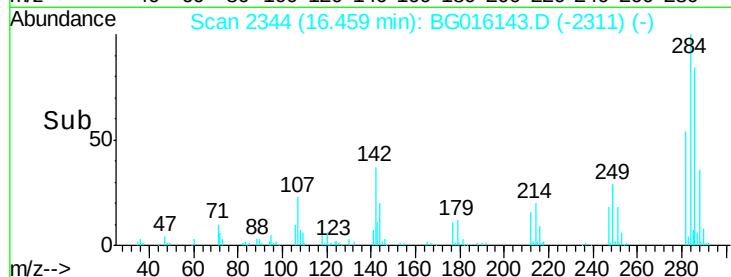
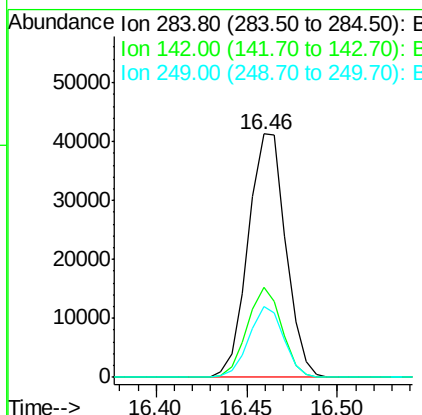
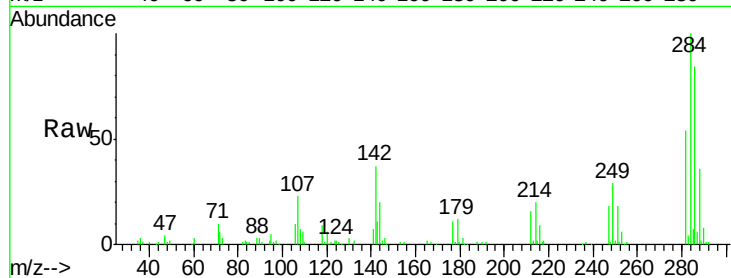




#67
Hexachlorobenzene
Concen: 17.26 ng
RT: 16.46 min Scan# 2344
Delta R.T. -0.01 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

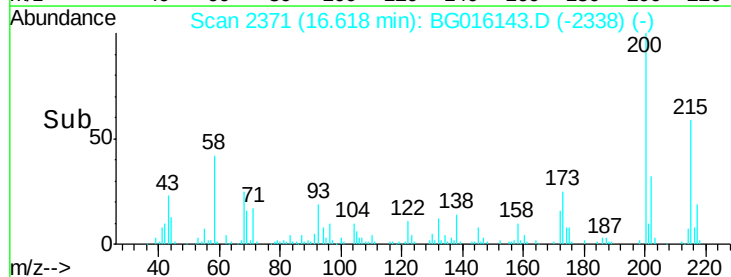
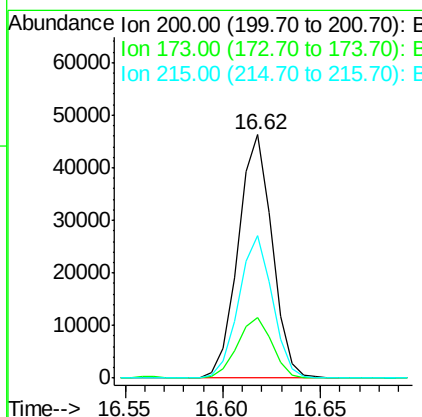
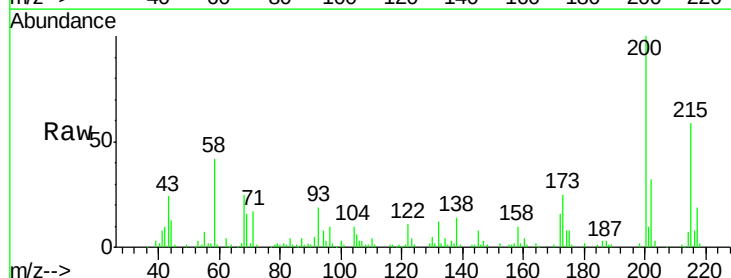
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

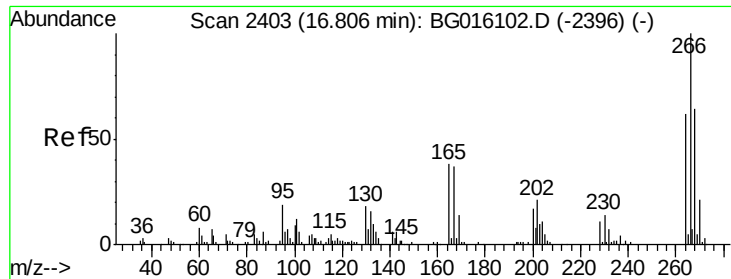
Tgt Ion:284 Resp: 59472
Ion Ratio Lower Upper
284 100
142 36.9 26.7 40.1
249 29.0 21.8 32.8



#68
Atrazine
Concen: 19.68 ng
RT: 16.62 min Scan# 2371
Delta R.T. -0.01 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

Tgt Ion:200 Resp: 55800
Ion Ratio Lower Upper
200 100
173 24.9 7.5 47.5
215 58.5 36.4 76.4

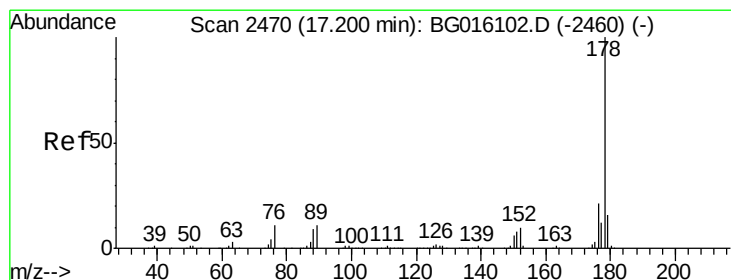
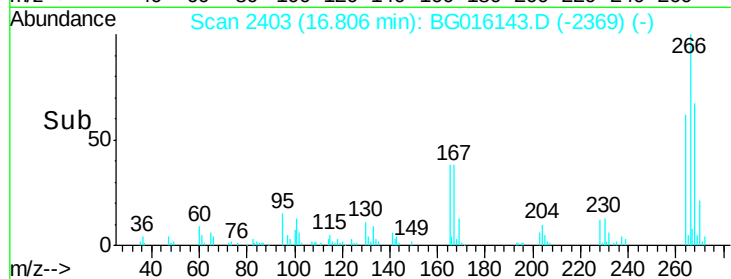
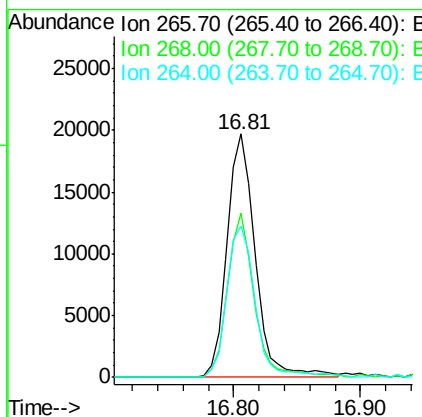
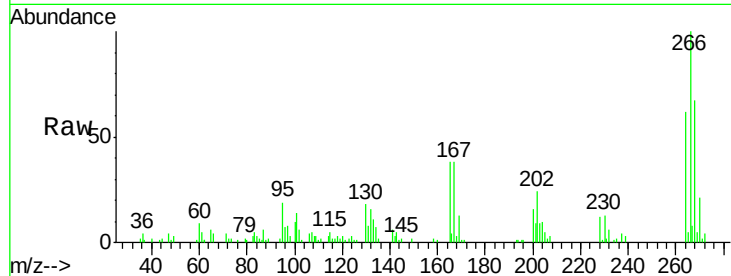




#69
 Pentachlorophenol
 Concen: 15.43 ng
 RT: 16.81 min Scan# 2403
 Delta R.T. -0.00 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

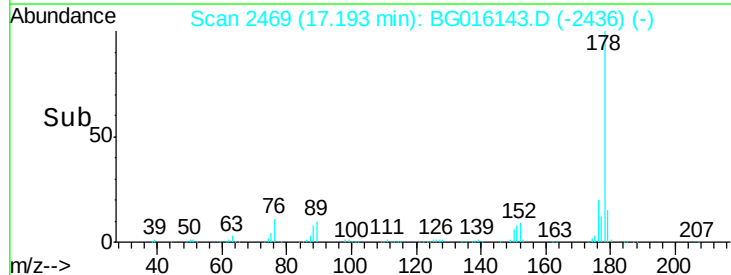
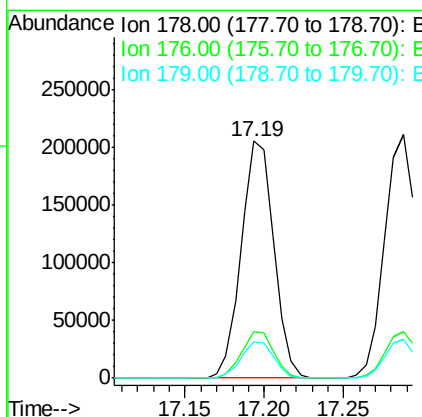
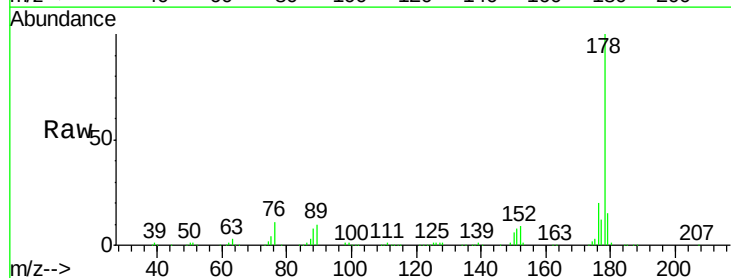
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

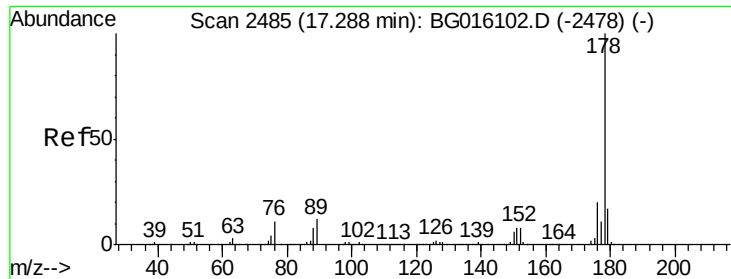
Tgt Ion: 266 Resp: 30317
 Ion Ratio Lower Upper
 266 100
 268 67.4 51.5 77.3
 264 62.3 49.8 74.6



#70
 Phenanthrene
 Concen: 17.51 ng
 RT: 17.19 min Scan# 2469
 Delta R.T. -0.01 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

Tgt Ion: 178 Resp: 293598
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.5 24.7
 179 15.3 13.0 19.6

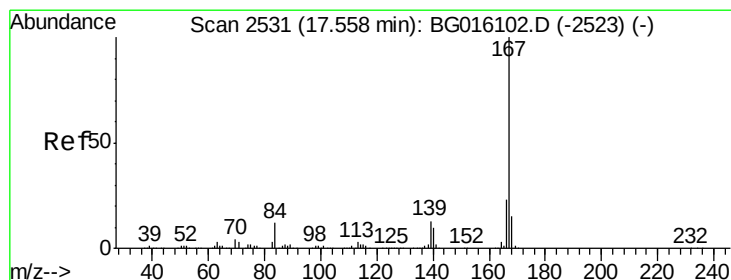
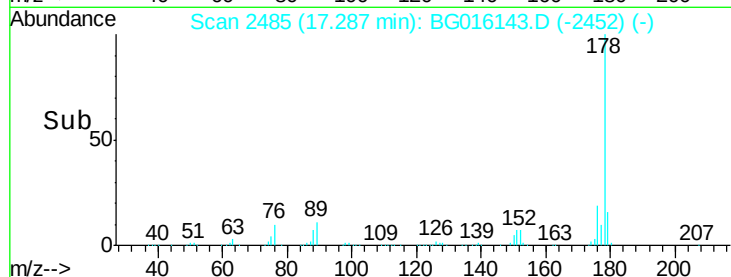
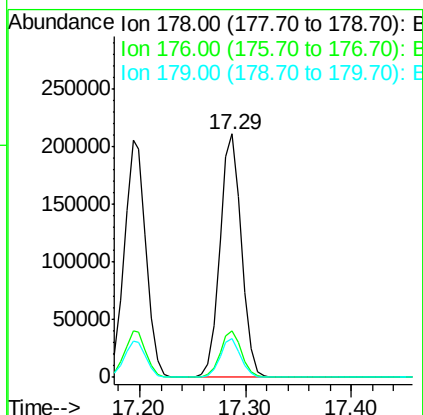
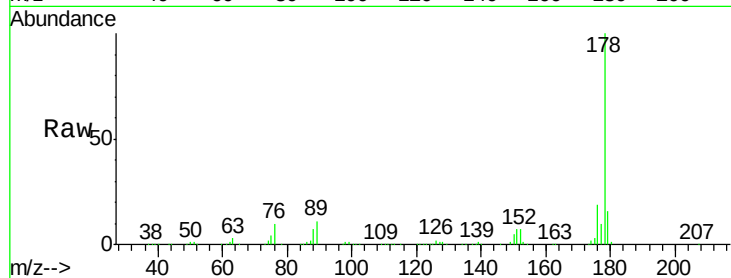




#71
 Anthracene
 Concen: 17.93 ng
 RT: 17.29 min Scan# 2485
 Delta R.T. -0.01 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

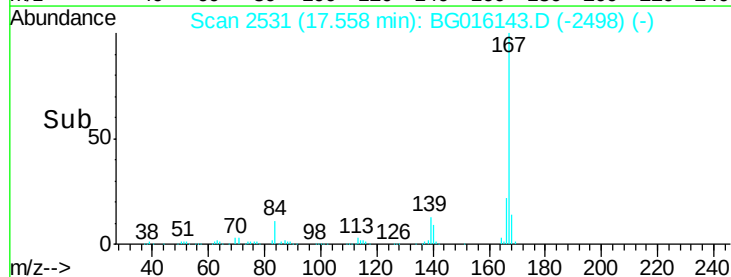
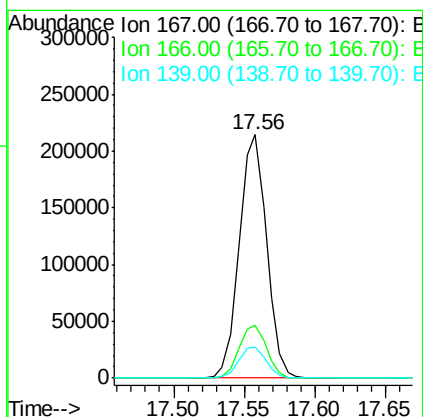
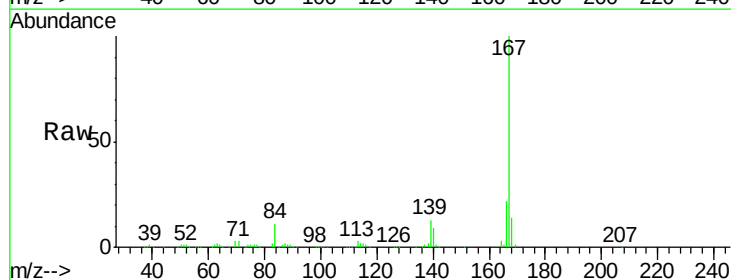
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

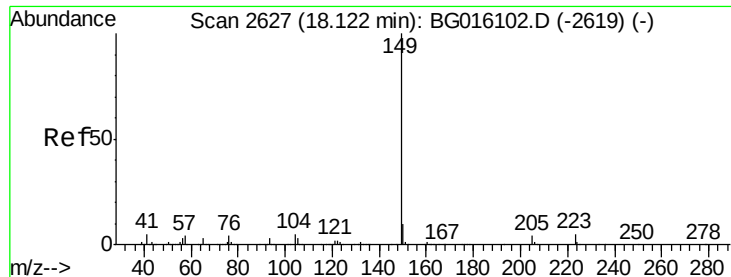
Tgt Ion:178 Resp: 298983
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.6 23.4
 179 16.1 13.3 19.9



#72
 Carbazole
 Concen: 17.71 ng
 RT: 17.56 min Scan# 2531
 Delta R.T. -0.01 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

Tgt Ion:167 Resp: 289950
 Ion Ratio Lower Upper
 167 100
 166 21.6 18.2 27.2
 139 12.7 10.7 16.1





#73

Di-n-butylphthalate

Concen: 17.81 ng

RT: 18.12 min Scan# 2627

Delta R.T. -0.00 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

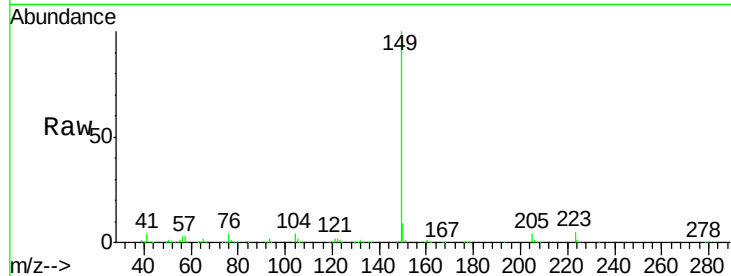
Tgt Ion:149 Resp: 329519

Ion Ratio Lower Upper

149 100

150 9.4 8.0 12.0

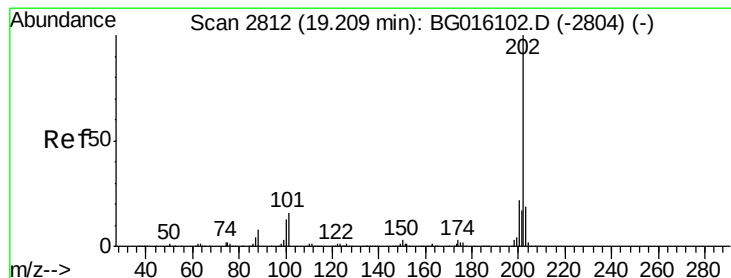
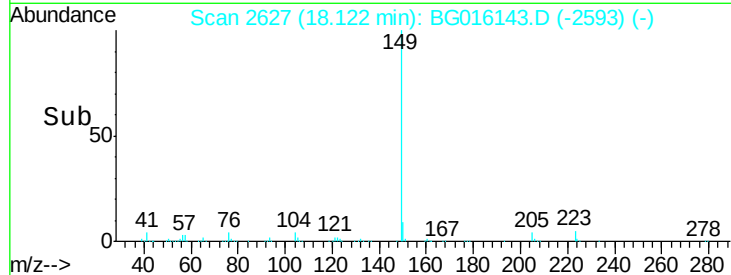
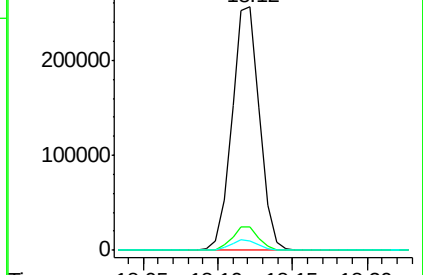
104 4.0 3.8 5.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 18.25 ng

RT: 19.21 min Scan# 2812

Delta R.T. -0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

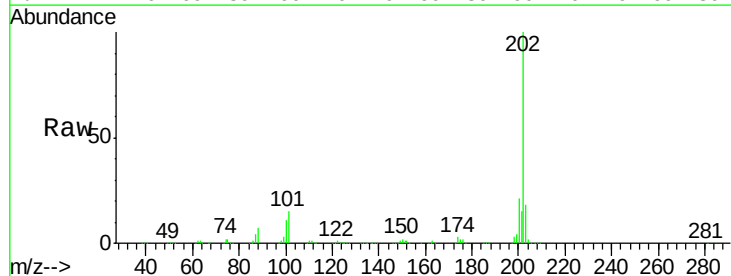
Tgt Ion:202 Resp: 340884

Ion Ratio Lower Upper

202 100

101 15.1 0.0 35.9

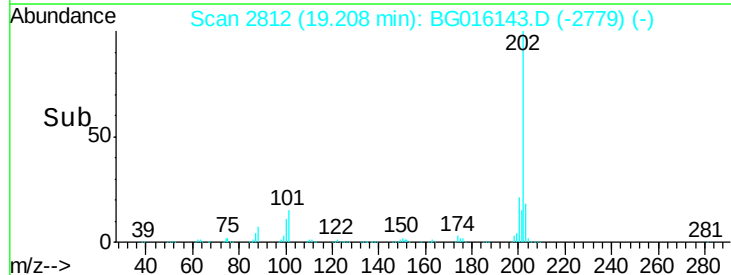
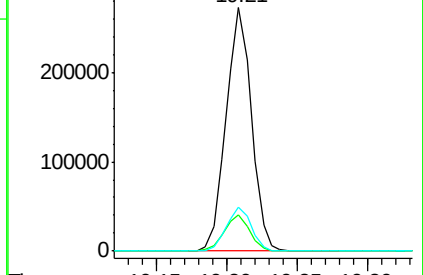
203 17.9 0.0 38.7

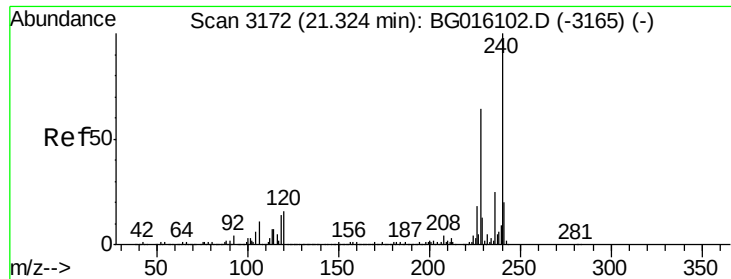


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.32 min Scan# 3172

Delta R.T. -0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

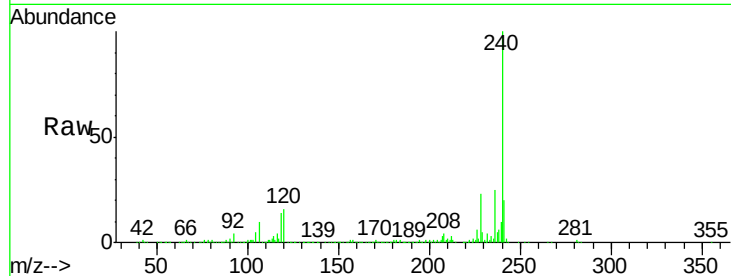
Tgt Ion:240 Resp: 328220

Ion Ratio Lower Upper

240 100

120 15.9 13.0 19.4

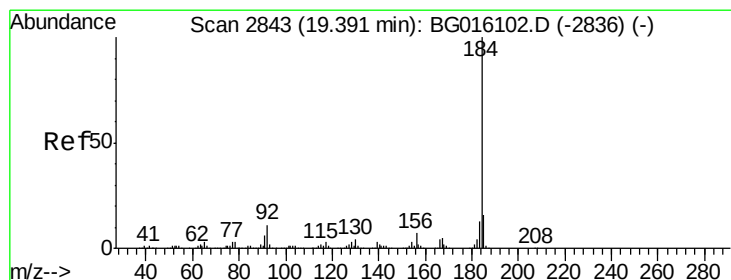
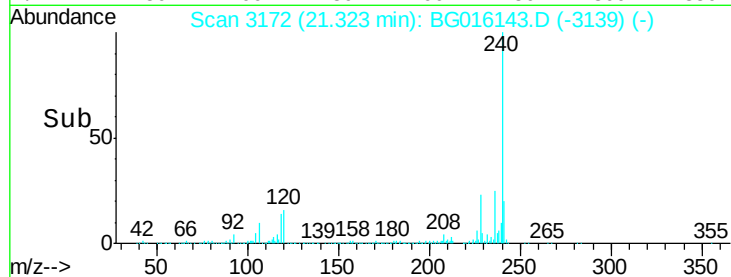
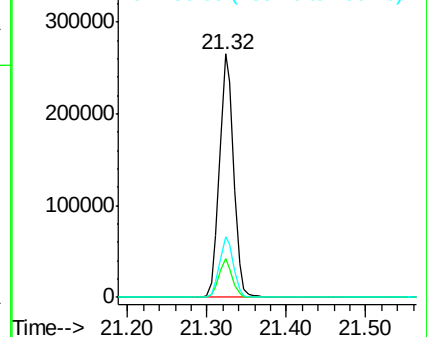
236 24.8 20.2 30.2



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: 15.25 ng

RT: 19.40 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

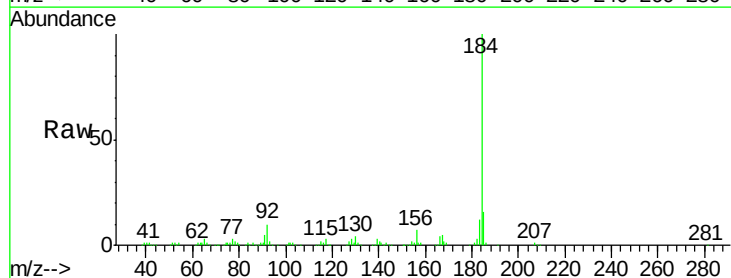
Tgt Ion:184 Resp: 131148

Ion Ratio Lower Upper

184 100

185 16.0 12.6 18.8

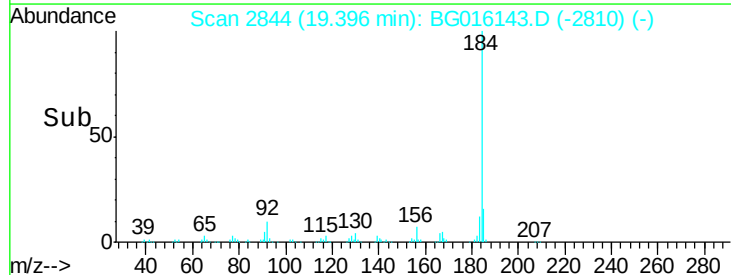
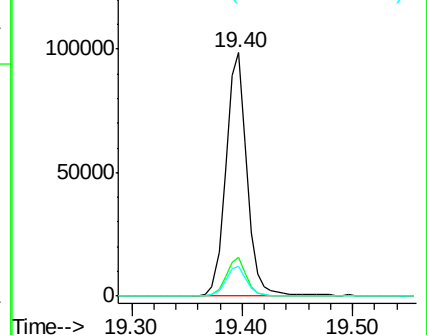
183 12.1 10.2 15.4

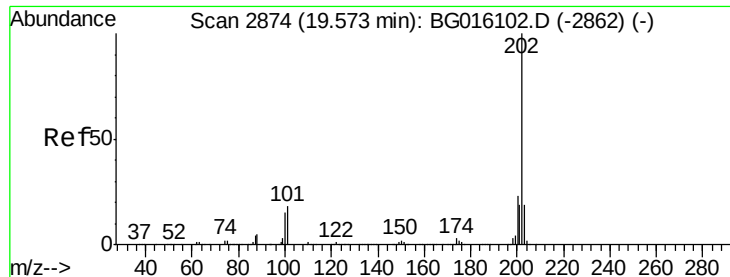


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 17.70 ng

RT: 19.57 min Scan# 2874

Delta R.T. -0.00 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

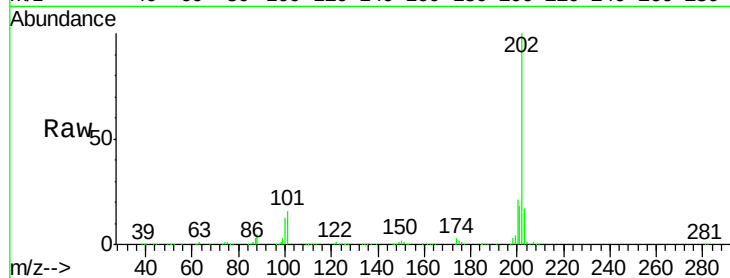
Tgt Ion:202 Resp: 358190

Ion Ratio Lower Upper

202 100

200 21.5 18.4 27.6

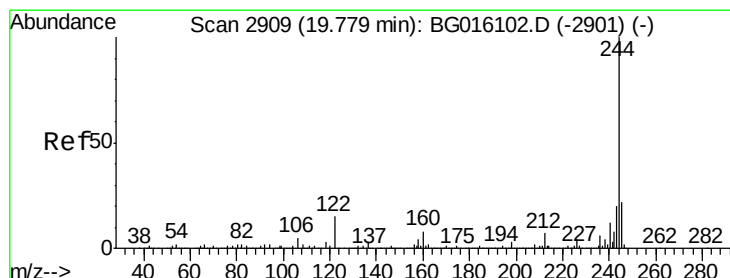
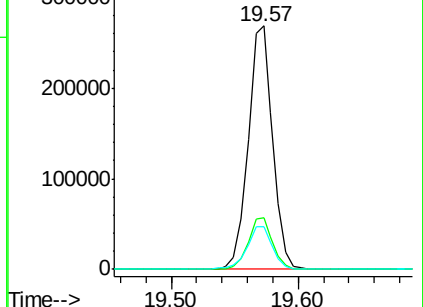
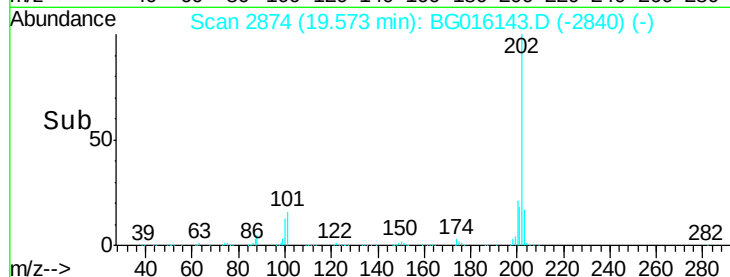
203 17.3 15.4 23.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 87.79 ng

RT: 19.78 min Scan# 2909

Delta R.T. -0.00 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

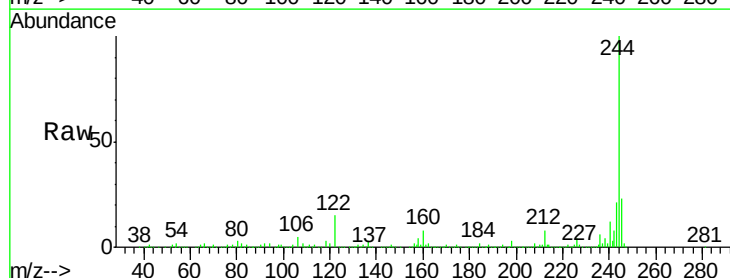
Tgt Ion:244 Resp: 1144071

Ion Ratio Lower Upper

244 100

212 7.7 5.9 8.9

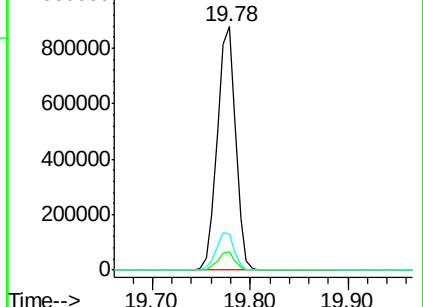
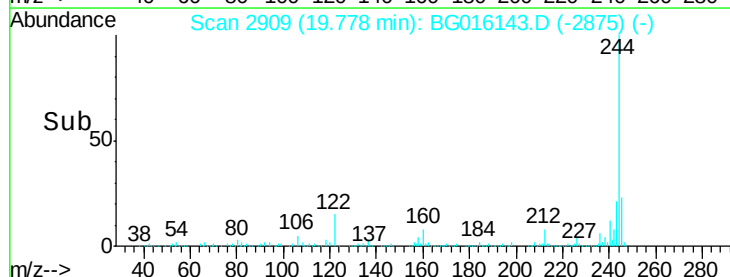
122 14.8 12.2 18.2

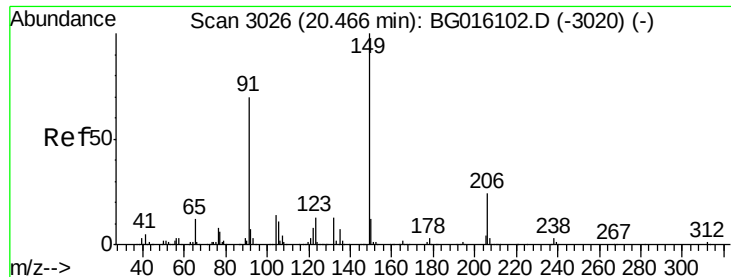


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

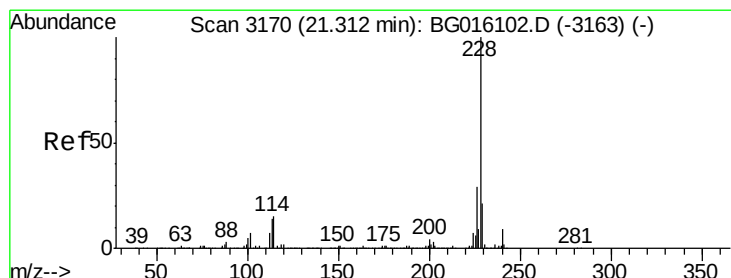
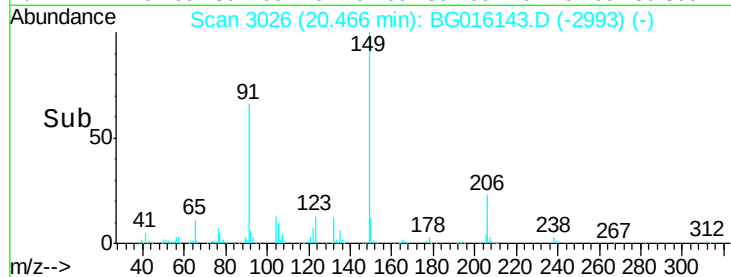
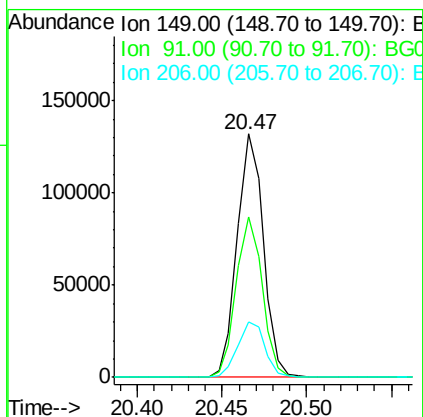
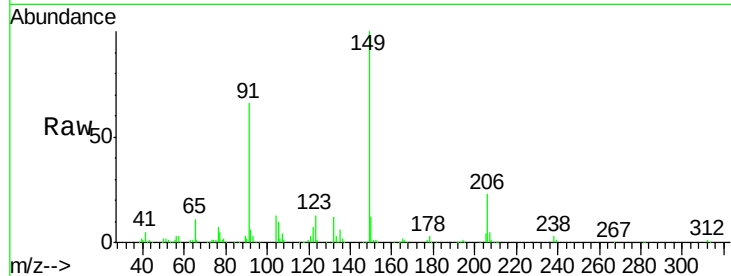




#79
Butylbenzylphthalate
Concen: 17.01 ng
RT: 20.47 min Scan# 3026
Delta R.T. -0.01 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

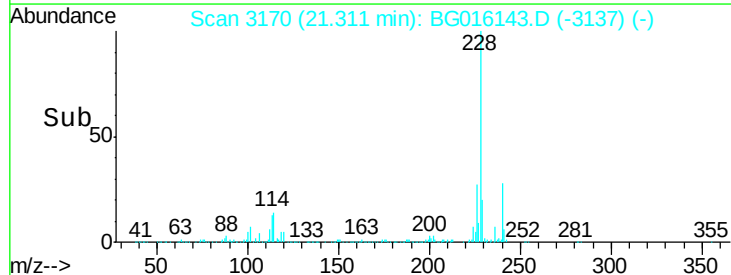
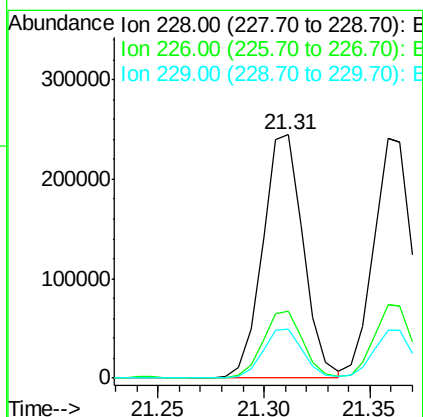
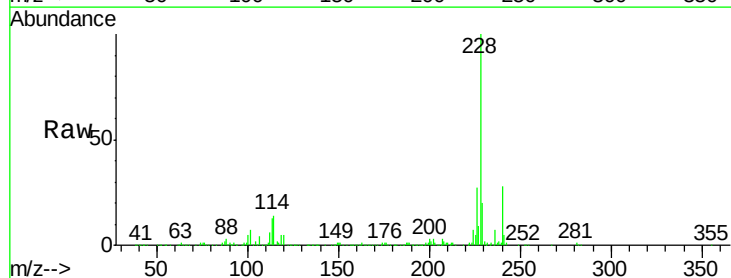
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

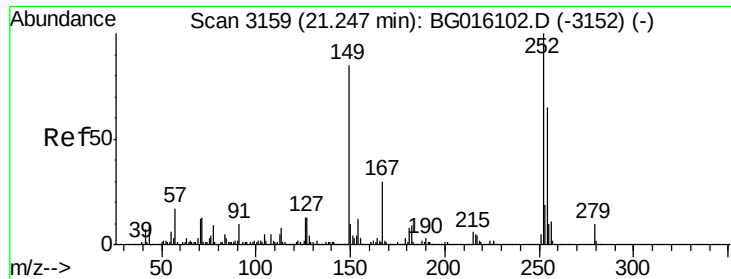
Tgt Ion:149 Resp: 143573
Ion Ratio Lower Upper
149 100
91 65.6 55.8 83.6
206 22.9 19.1 28.7



#80
Benzo(a)anthracene
Concen: 17.49 ng
RT: 21.31 min Scan# 3170
Delta R.T. -0.01 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

Tgt Ion:228 Resp: 325635
Ion Ratio Lower Upper
228 100
226 27.5 23.0 34.4
229 20.2 16.8 25.2

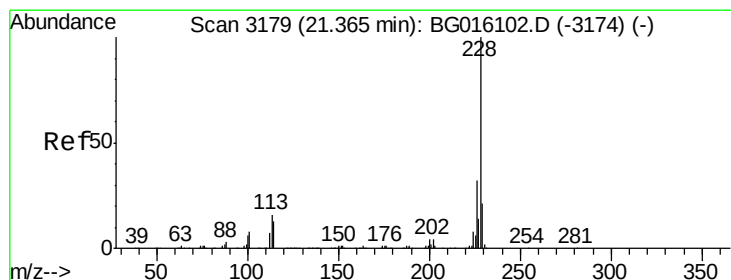
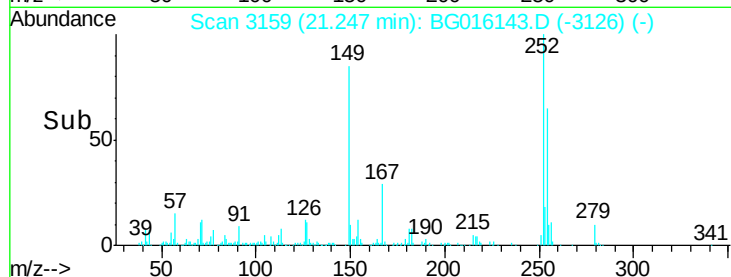
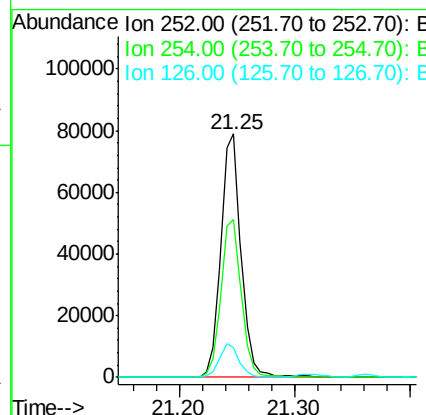
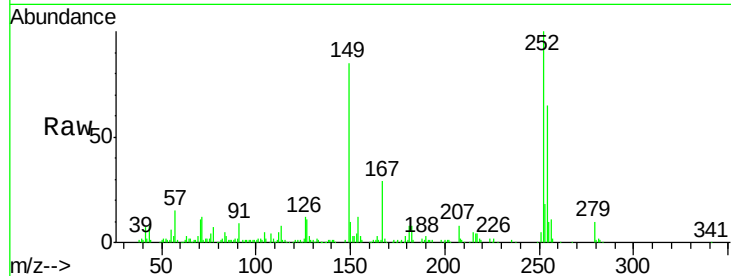




#81
 3,3'-Dichlorobenzidine
 Concen: 14.84 ng
 RT: 21.25 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

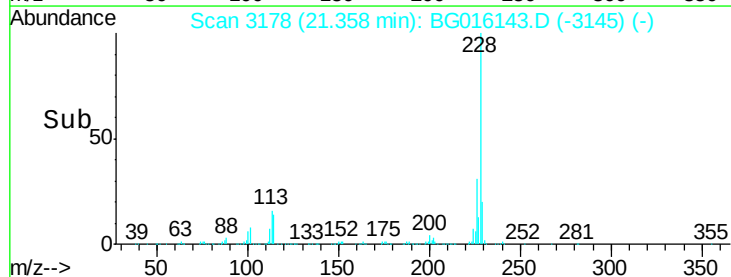
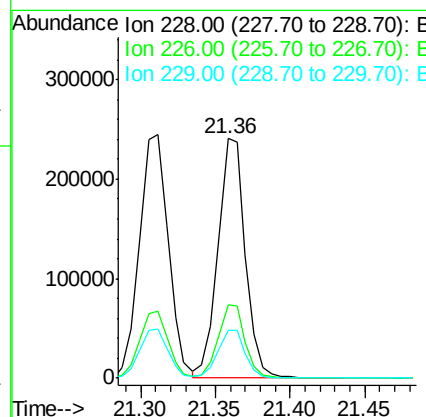
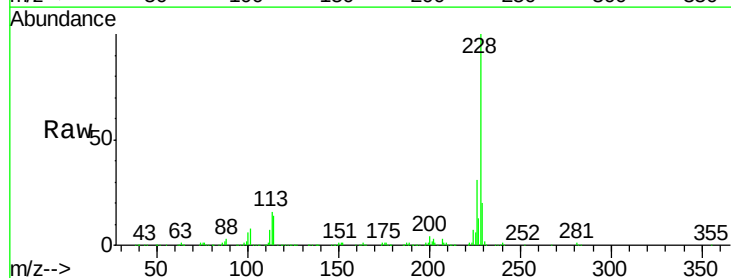
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

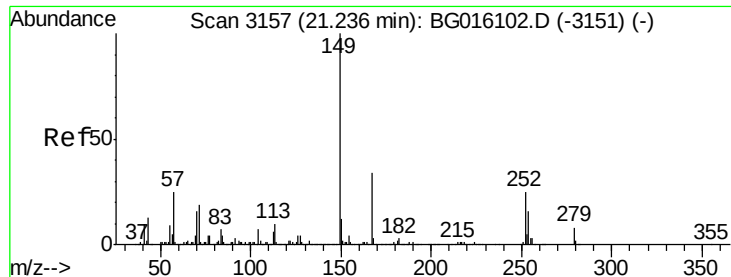
Tgt Ion:252 Resp: 96036
 Ion Ratio Lower Upper
 252 100
 254 64.8 51.7 77.5
 126 12.3 10.6 16.0



#82
 Chrysene
 Concen: 18.07 ng
 RT: 21.36 min Scan# 3178
 Delta R.T. -0.01 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

Tgt Ion:228 Resp: 308126
 Ion Ratio Lower Upper
 228 100
 226 30.8 25.7 38.5
 229 20.1 17.0 25.6

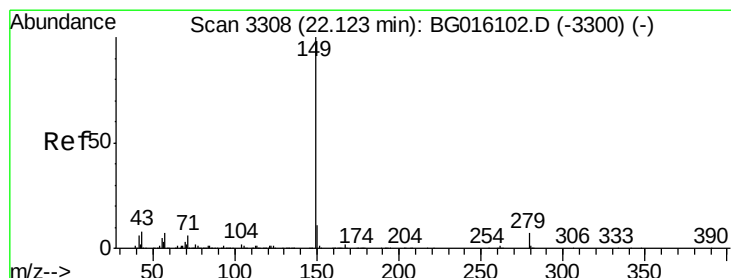
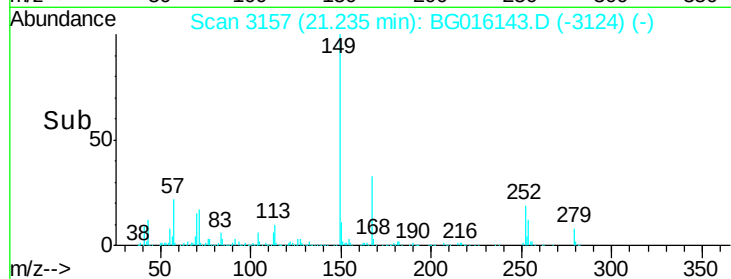
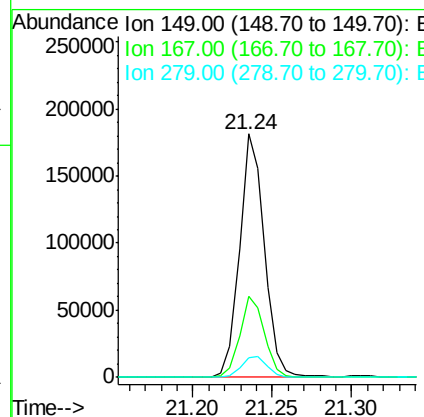
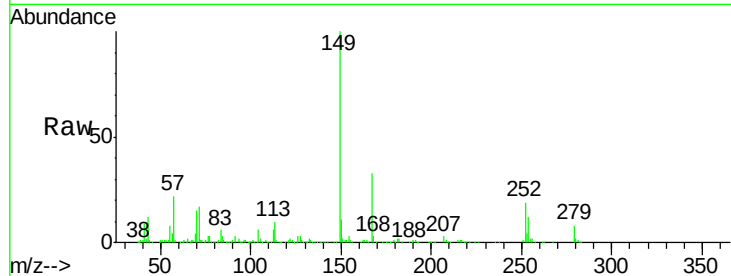




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 16.94 ng
 RT: 21.24 min Scan# 3157
 Delta R.T. -0.01 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

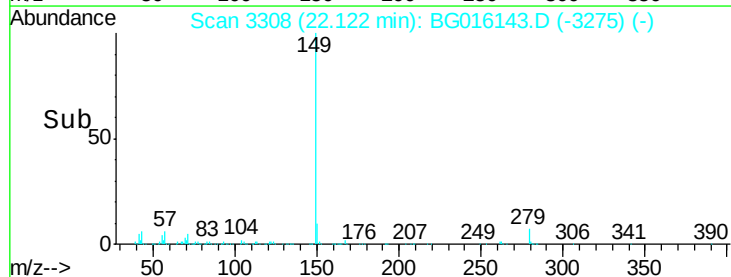
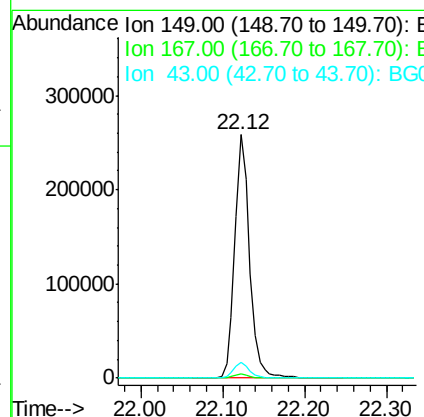
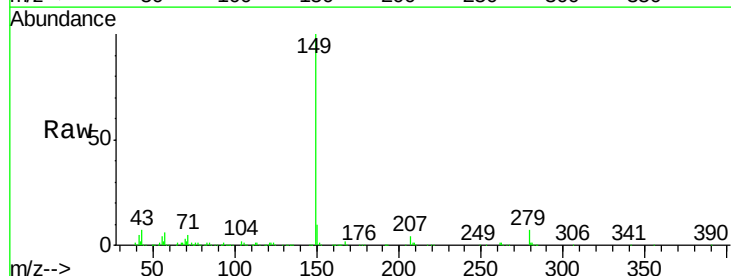
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2015-02

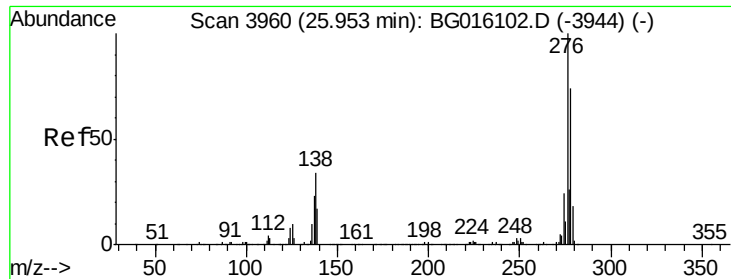
Tgt Ion	Ratio	Lower	Upper
149	100		
167	33.1	27.1	40.7
279	8.3	6.4	9.6



#84
 Di-n-octyl phthalate
 Concen: 16.74 ng
 RT: 22.12 min Scan# 3308
 Delta R.T. -0.01 min
 Lab File: BG016143.D
 Acq: 26 Mar 2015 16:55

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	6.6	6.1	9.1





#85

Indeno(1,2,3-cd)pyrene

Concen: 16.18 ng

RT: 25.95 min Scan# 3959

Delta R.T. -0.02 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

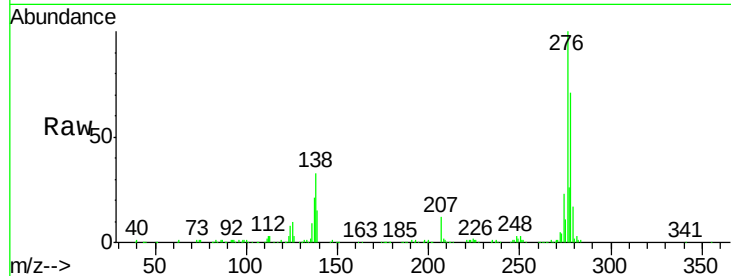
Tgt Ion:276 Resp: 354841

Ion Ratio Lower Upper

276 100

138 32.9 26.9 40.3

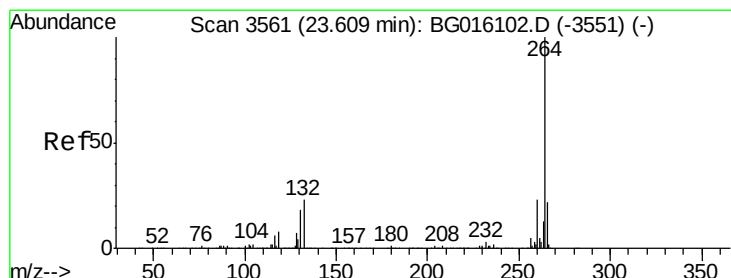
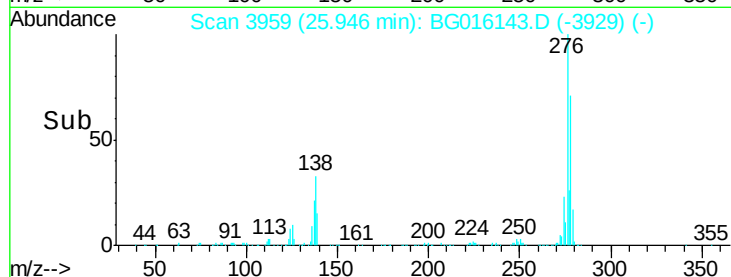
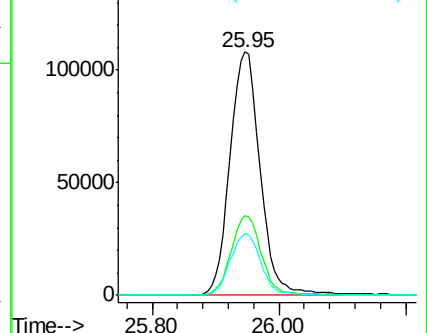
277 25.5 20.7 31.1



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: 23.61 min Scan# 3561

Delta R.T. -0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

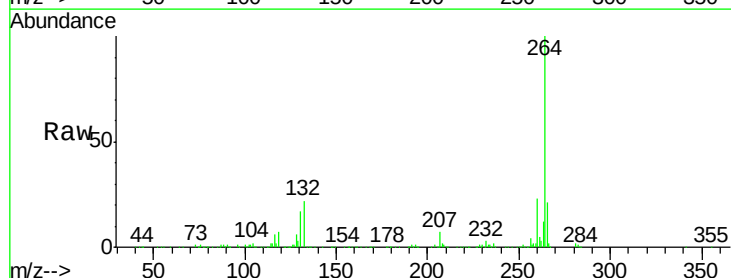
Tgt Ion:264 Resp: 313265

Ion Ratio Lower Upper

264 100

260 22.7 18.4 27.6

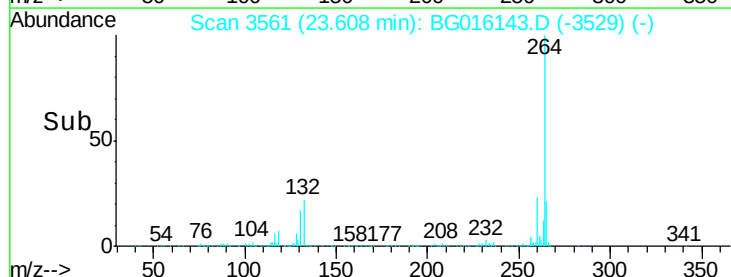
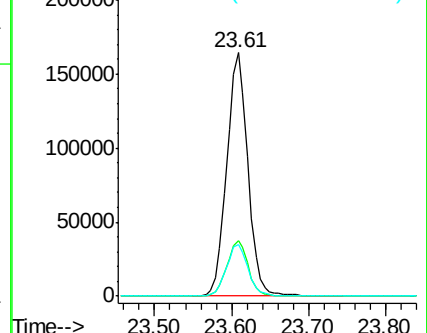
265 21.1 17.3 25.9

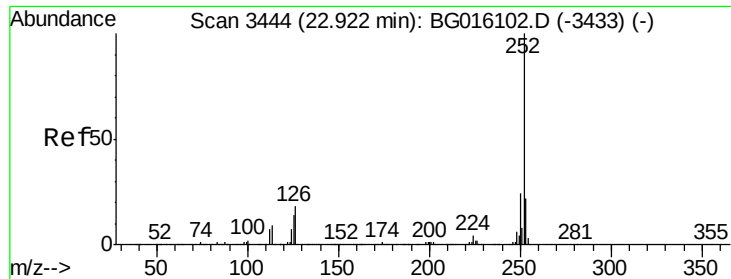


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

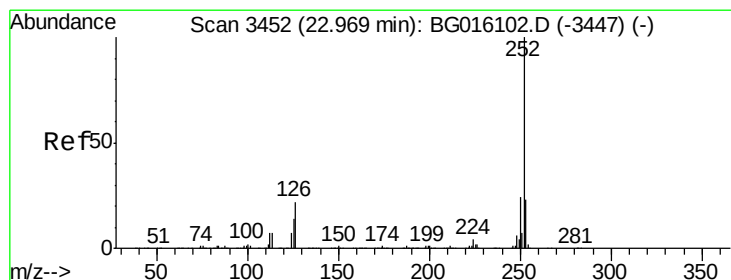
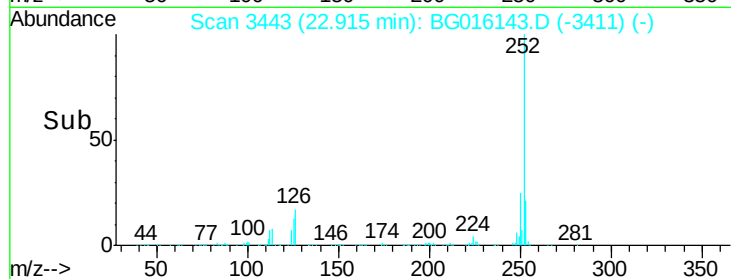
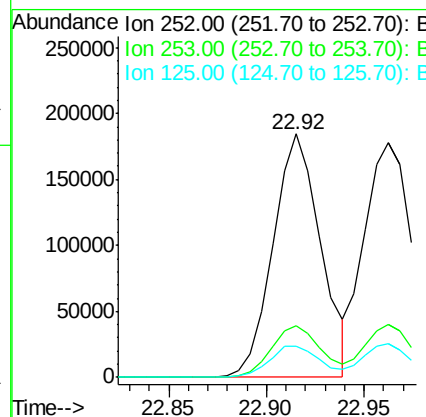
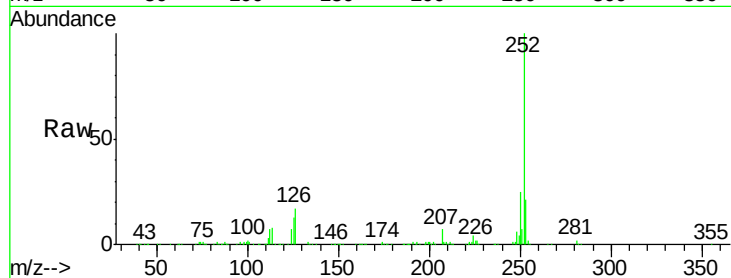




#87
Benzo(b)fluoranthene
Concen: 17.22 ng
RT: 22.92 min Scan# 3443
Delta R.T. -0.01 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

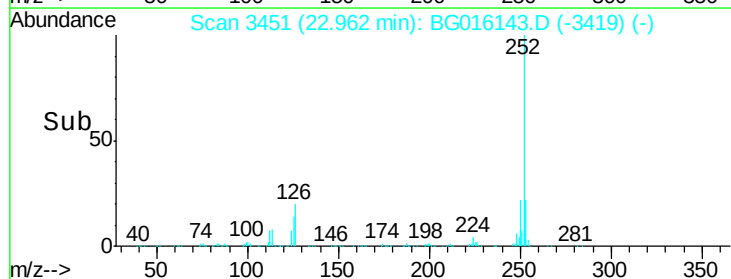
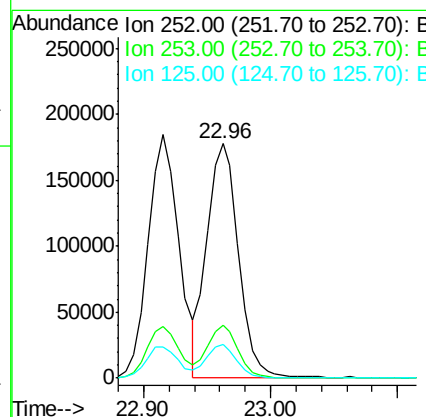
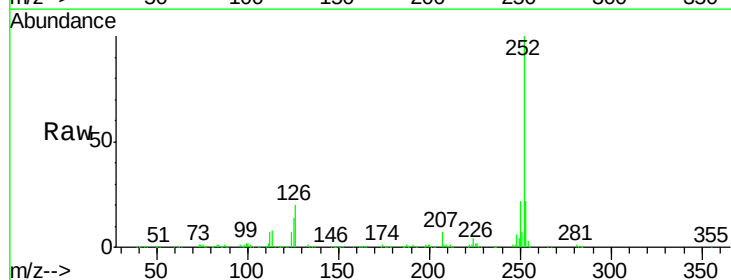
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2015-02

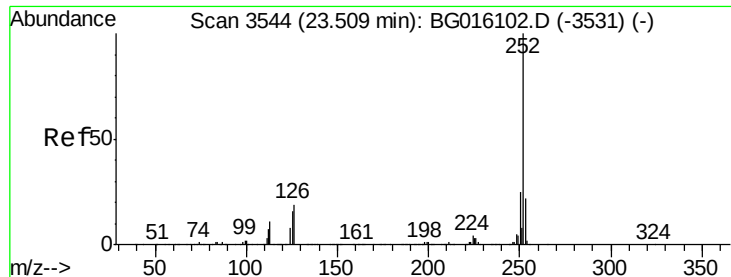
Tgt Ion:252 Resp: 312164
Ion Ratio Lower Upper
252 100
253 21.4 17.9 26.9
125 12.9 11.1 16.7



#88
Benzo(k)fluoranthene
Concen: 17.41 ng
RT: 22.96 min Scan# 3451
Delta R.T. -0.01 min
Lab File: BG016143.D
Acq: 26 Mar 2015 16:55

Tgt Ion:252 Resp: 307441
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.4
125 14.3 11.0 16.4





#89

Benzo(a)pyrene

Concen: 17.63 ng

RT: 23.51 min Scan# 3544

Delta R.T. -0.01 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

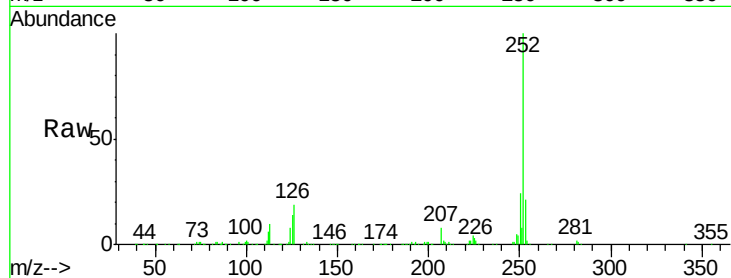
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02

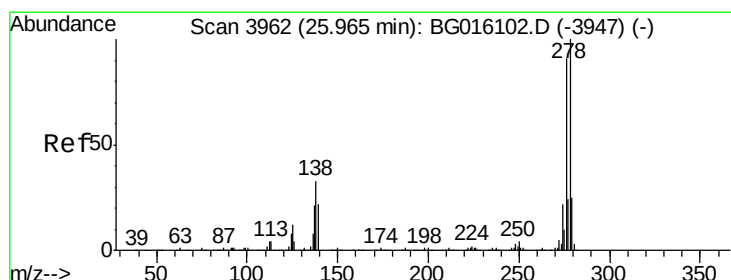
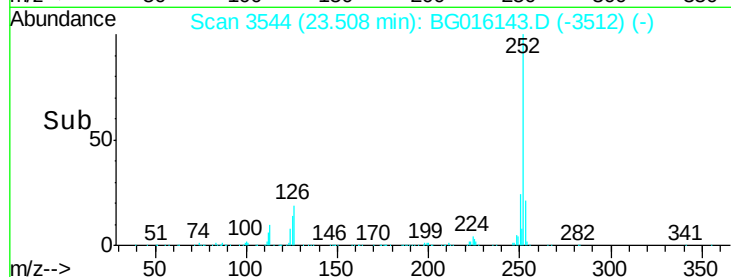
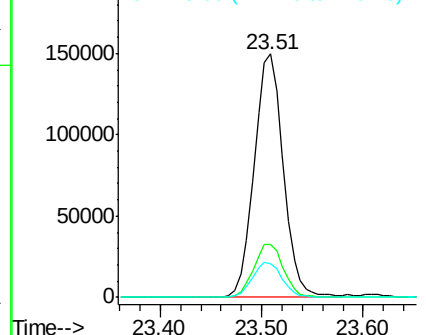
Tgt Ion:	252	Resp:	297950
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	14.0	12.5	18.7



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: 16.81 ng

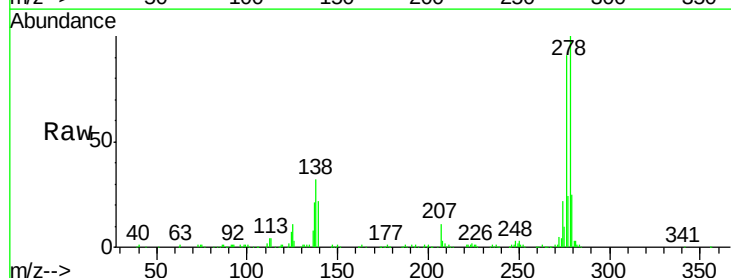
RT: 25.96 min Scan# 3961

Delta R.T. -0.02 min

Lab File: BG016143.D

Acq: 26 Mar 2015 16:55

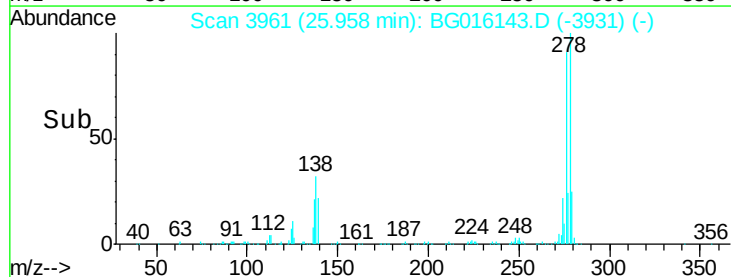
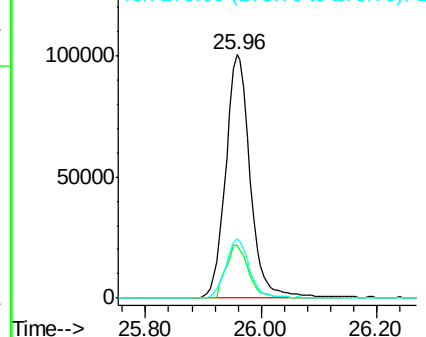
Tgt Ion:	278	Resp:	296143
Ion	Ratio	Lower	Upper
278	100		
139	21.6	17.8	26.8
279	24.6	19.9	29.9

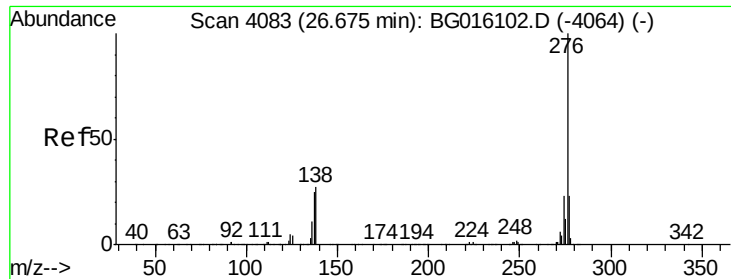


Abundance Ion 278.00 (277.70 to 278.70): E

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: 16.89 ng

RT: 26.66 min Scan# 4081

Delta R.T. -0.02 min

Lab File: BG016143.D

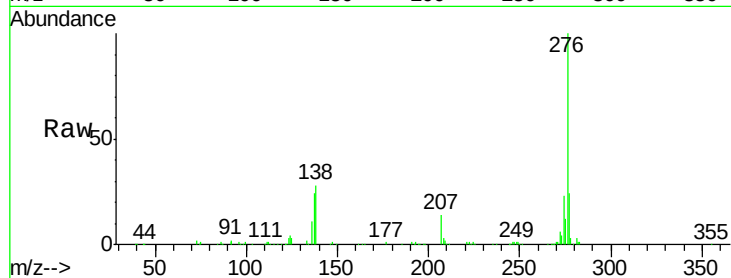
Acq: 26 Mar 2015 16:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2015-02



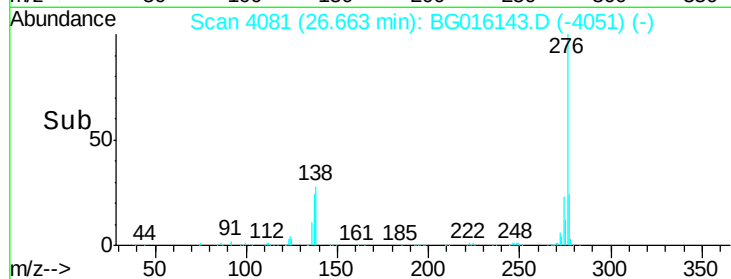
Tgt Ion: 276 Resp: 294853

Ion Ratio Lower Upper

276 100

277 24.3 18.7 28.1

138 28.0 22.0 33.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

