

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041316\
 Data File : BG021640.D
 Acq On : 14 Apr 2016 4:58
 Operator : UM/SJ
 Sample : H2472-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Apr 14 06:45:53 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	29063	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	127035	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	85643	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	217210	20.00	ng	0.00
75) Chrysene-d12	21.83	240	245509	20.00	ng	0.00
86) Perylene-d12	25.15	264	234008	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	255306	146.29	ng	0.00
7) Phenol-d6	7.36	99	371342	142.44	ng	0.00
23) Nitrobenzene-d5	9.39	82	219550	88.83	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	141440	153.24	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	525120	89.84	ng	0.00
78) Terphenyl-d14	20.14	244	888343	90.29	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.64	88	2789	3.59	ng	86
3) Pyridine	4.04	79	8209	3.52	ng	88
4) n-Nitrosodimethylamine	3.96	42	4431	3.84	ng	# 84
6) Aniline	7.53	93	12437	3.61	ng	93
8) 2-Chlorophenol	7.78	128	8931	4.27	ng	95
9) Benzaldehyde	7.35	77	8785	5.83	ng	95
10) Phenol	7.38	94	12708	4.53	ng	81
11) bis(2-Chloroethyl)ether	7.63	93	8462	3.77	ng	87
12) 1,3-Dichlorobenzene	8.10	146	9459	4.05	ng	93
13) 1,4-Dichlorobenzene	8.25	146	9303	3.91	ng	97
14) 1,2-Dichlorobenzene	8.57	146	9173	4.02	ng	97
15) Benzyl Alcohol	8.45	79	8515	4.27	ng	93
16) 2,2'-oxybis(1-Chloropropan	8.74	45	17381	3.62	ng	97
17) 2-Methylphenol	8.64	107	8420	4.34	ng	94
18) Hexachloroethane	9.31	117	3512	4.06	ng	94
19) n-Nitroso-di-n-propylamine	9.01	70	8033	3.97	ng	# 95
20) 3+4-Methylphenols	8.97	107	11214	4.23	ng	92
22) Acetophenone	9.04	105	14070	3.98	ng	# 96
24) Nitrobenzene	9.43	77	11287	4.27	ng	# 93
25) Isophorone	9.94	82	19485	3.60	ng	98
26) 2-Nitrophenol	10.14	139	3494	3.46	ng	# 88
27) 2,4-Dimethylphenol	10.18	122	9177	4.00	ng	95
28) bis(2-Chloroethoxy)methane	10.43	93	12838	4.47	ng	# 94
29) 2,4-Dichlorophenol	10.67	162	8191	4.19	ng	98
30) 1,2,4-Trichlorobenzene	10.89	180	9059	4.31	ng	92
31) Naphthalene	11.08	128	29735	4.37	ng	98
32) Benzoic acid	10.18	122	9177	12.03	ng	# 11
33) 4-Chloroaniline	11.18	127	12108	4.11	ng	96
34) Hexachlorobutadiene	11.37	225	5532	4.08	ng	91
35) Caprolactam	11.92	113	3304	3.69	ng	# 72
36) 4-Chloro-3-methylphenol	12.28	107	10975	4.46	ng	96
37) 2-Methylnaphthalene	12.67	142	21105	4.52	ng	93
39) 1,2,4,5-Tetrachlorobenzene	13.03	216	10810	4.04	ng	97
40) Hexachlorocyclopentadiene	13.01	237	5505	3.70	ng	94

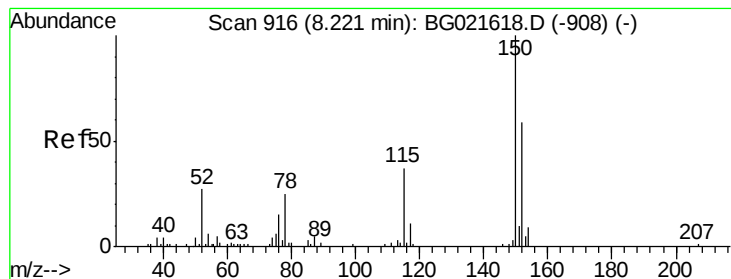
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041316\
 Data File : BG021640.D
 Acq On : 14 Apr 2016 4:58
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.26	196	6176	3.62	ng	92
43) 2,4,5-Trichlorophenol	13.33	196	7418	4.03	ng	99
45) 1,1'-Biphenyl	13.66	154	28848	4.00	ng	95
46) 2-Chloronaphthalene	13.71	162	22098	4.14	ng	96
47) 2-Nitroaniline	13.90	65	7295	3.99	ng	92
48) Acenaphthylene	14.55	152	36405	4.13	ng	98
49) Dimethylphthalate	14.27	163	30374	4.10	ng	96
50) 2,6-Dinitrotoluene	14.39	165	5778	4.09	ng	90
51) Acenaphthene	14.88	154	23531	4.17	ng	97
52) 3-Nitroaniline	14.71	138	6338	4.05	ng	# 97
53) 2,4-Dinitrophenol	14.91	184	980	9.09	ng	# 72
54) Dibenzofuran	15.21	168	36175	4.70	ng	95
55) 4-Nitrophenol	15.00	139	4424	3.30	ng	94
56) 2,4-Dinitrotoluene	15.17	165	7340	3.85	ng	# 92
57) Fluorene	15.86	166	30862	4.49	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.44	232	6437	4.21	ng	# 99
59) Diethylphthalate	15.62	149	32727	4.23	ng	99
60) 4-Chlorophenyl-phenylether	15.85	204	14629	4.32	ng	95
61) 4-Nitroaniline	15.87	138	6755	3.92	ng	92
62) Azobenzene	16.14	77	31118	4.70	ng	98
64) 4,6-Dinitro-2-methylphenol	15.92	198	2103	7.46	ng	91
65) n-Nitrosodiphenylamine	16.06	169	26951	4.14	ng	98
66) 4-Bromophenyl-phenylether	16.74	248	9048	3.89	ng	97
67) Hexachlorobenzene	16.86	284	10176	4.14	ng	# 91
68) Atrazine	16.99	200	10565	4.11	ng	89
69) Pentachlorophenol	17.20	266	4211	3.00	ng	94
70) Phenanthrene	17.60	178	53802	4.49	ng	97
71) Anthracene	17.69	178	51786	4.26	ng	98
72) Carbazole	17.95	167	50014	4.41	ng	97
73) Di-n-butylphthalate	18.50	149	57657	4.00	ng	99
74) Fluoranthene	19.59	202	61248	4.28	ng	100
76) Benzidine	19.76	184	24204	3.17	ng	96
77) Pyrene	19.95	202	63737	4.50	ng	97
79) Butylbenzylphthalate	20.82	149	24522	3.73	ng	99
80) Benzo(a)anthracene	21.81	228	62858	4.45	ng	98
82) Chrysene	21.88	228	59005	4.35	ng	99
83) Bis(2-ethylhexyl)phthalate	21.71	149	36664	3.81	ng	96
84) Di-n-octyl phthalate	22.96	149	61009	3.79	ng	98
85) Indeno(1,2,3-cd)pyrene	28.95	276	63978	3.96	ng	93
87) Benzo(b)fluoranthene	24.09	252	59240	4.36	ng	99
88) Benzo(k)fluoranthene	24.16	252	59237	4.46	ng	98
89) Benzo(a)pyrene	25.00	252	56824	4.32	ng	99
90) Dibenzo(a,h)anthracene	29.03	278	54552	4.14	ng	95
91) Benzo(g,h,i)perylene	30.13	276	55441	4.28	ng	# 91

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.22 min Scan# 916

Delta R.T. 0.00 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

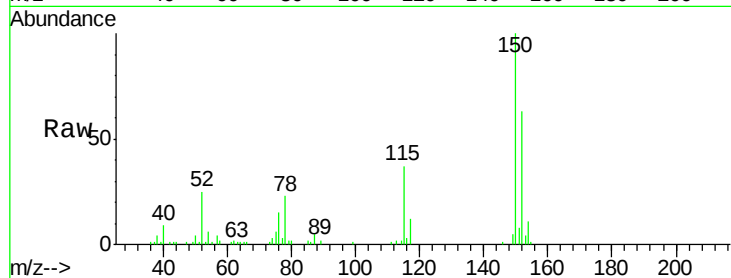
Tgt Ion:152 Resp: 29063

Ion Ratio Lower Upper

152 100

150 159.1 130.1 195.1

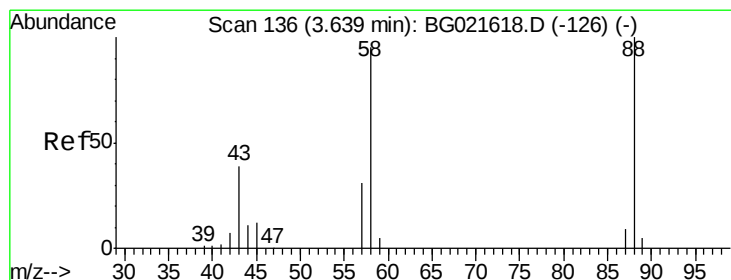
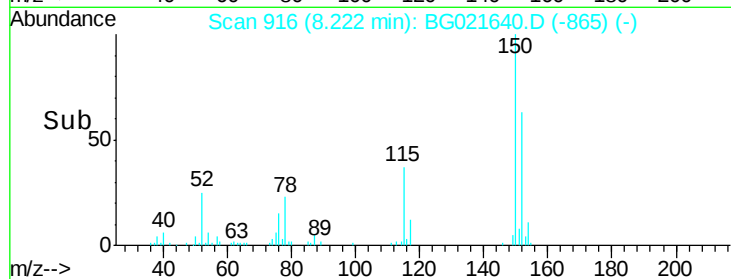
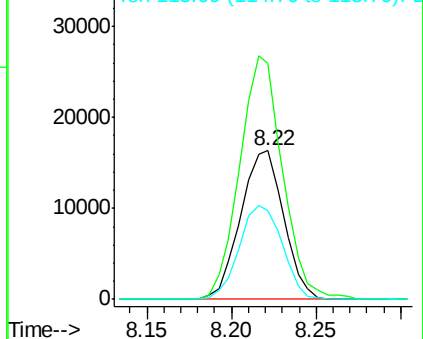
115 59.6 62.2 93.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 3.59 ng

RT: 3.64 min Scan# 136

Delta R.T. 0.00 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

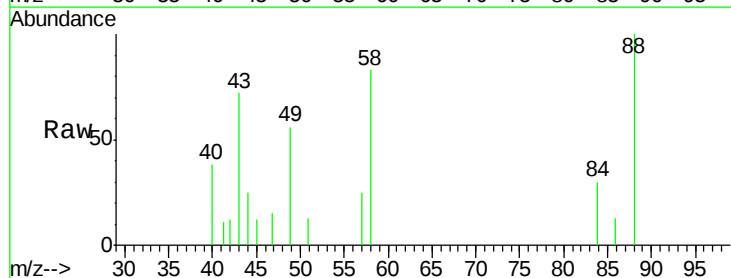
Tgt Ion: 88 Resp: 2789

Ion Ratio Lower Upper

88 100

58 92.2 61.8 92.8

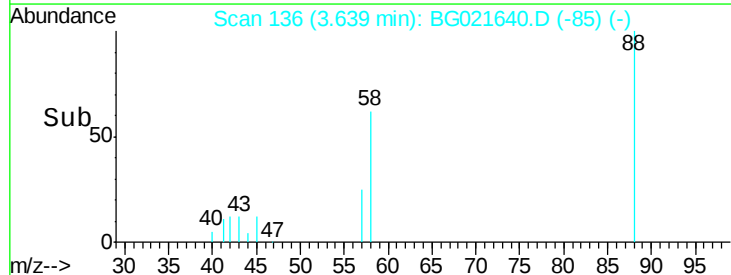
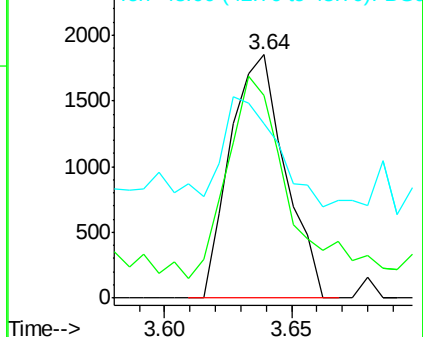
43 38.7 27.3 40.9

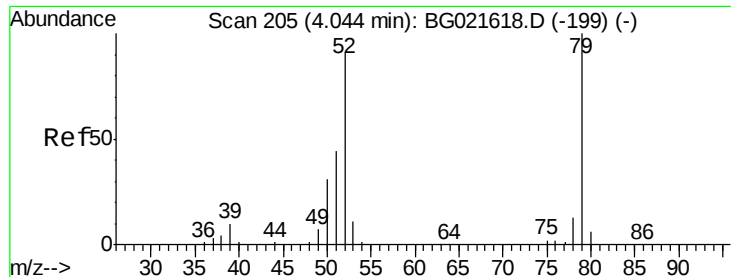


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 3.52 ng

RT: 4.04 min Scan# 205

Delta R.T. 0.00 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

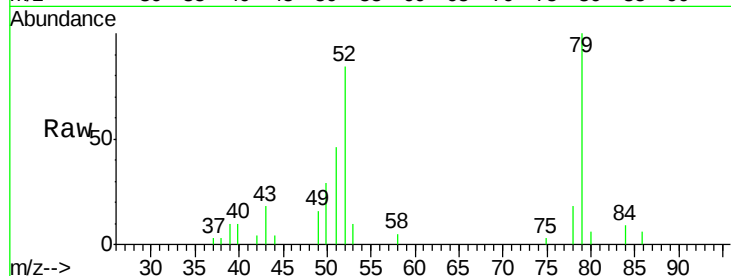
Tgt Ion: 79 Resp: 8209

Ion Ratio Lower Upper

79 100

52 83.6 77.2 115.8

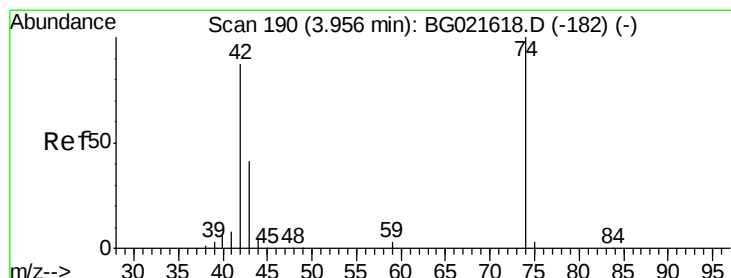
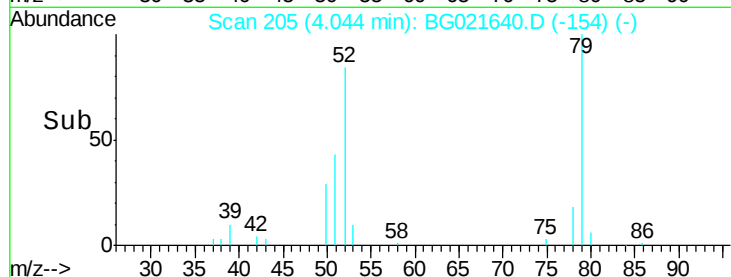
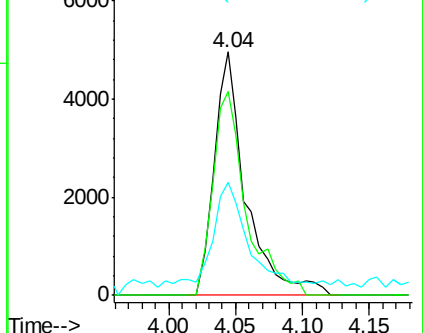
51 46.2 42.5 63.7



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 3.84 ng

RT: 3.96 min Scan# 190

Delta R.T. 0.00 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

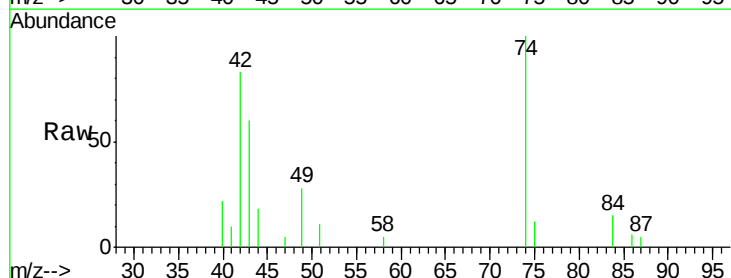
Tgt Ion: 42 Resp: 4431

Ion Ratio Lower Upper

42 100

74 119.8 83.0 124.4

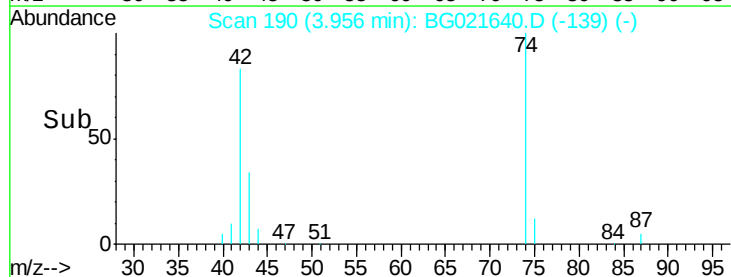
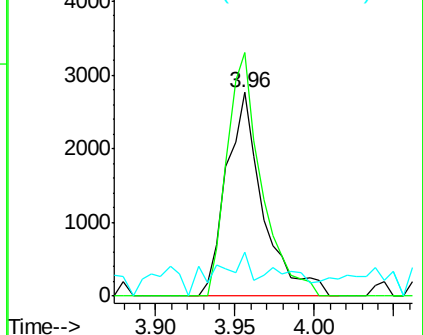
44 21.5 11.0 16.6#

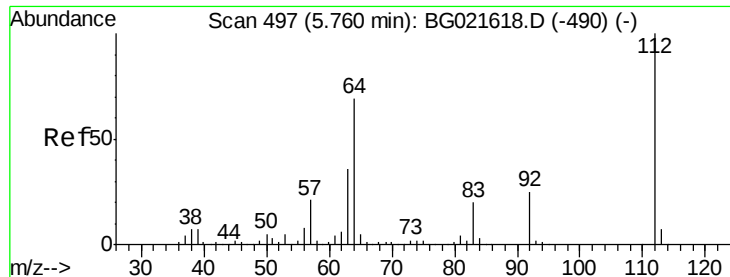


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 146.29 ng

RT: 5.76 min Scan# 497

Delta R.T. 0.00 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

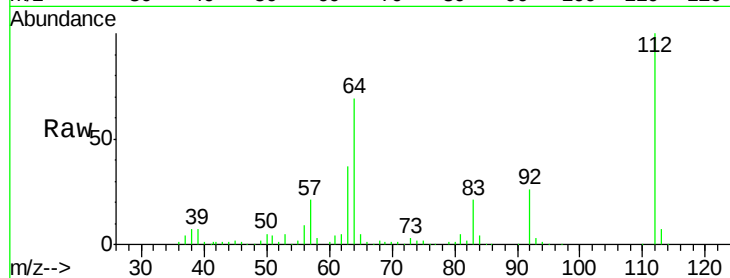
Tgt Ion: 112 Resp: 255306

Ion Ratio Lower Upper

112 100

64 68.5 51.1 76.7

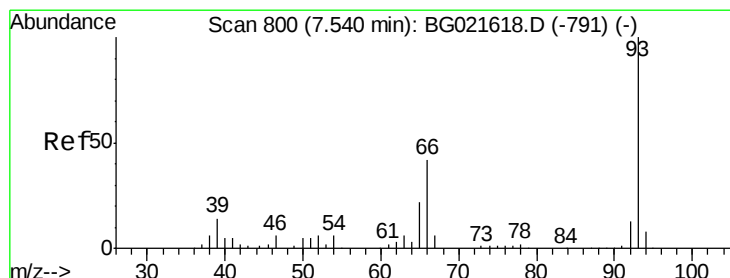
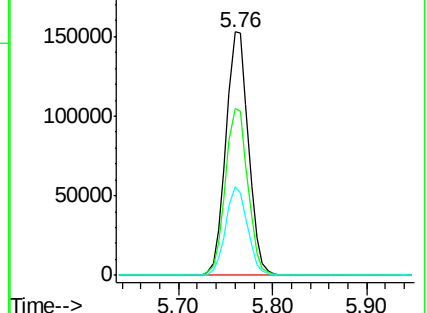
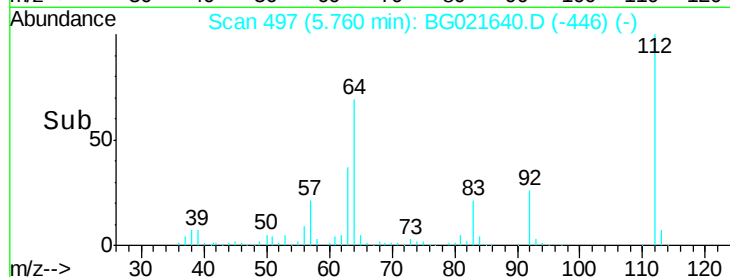
63 36.5 24.6 37.0



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 3.61 ng

RT: 7.53 min Scan# 799

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

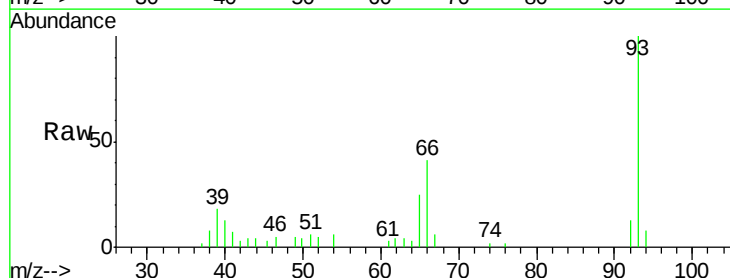
Tgt Ion: 93 Resp: 12437

Ion Ratio Lower Upper

93 100

66 40.6 36.3 54.5

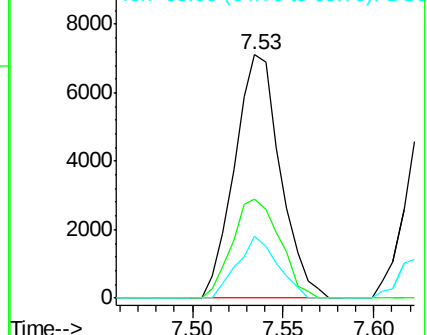
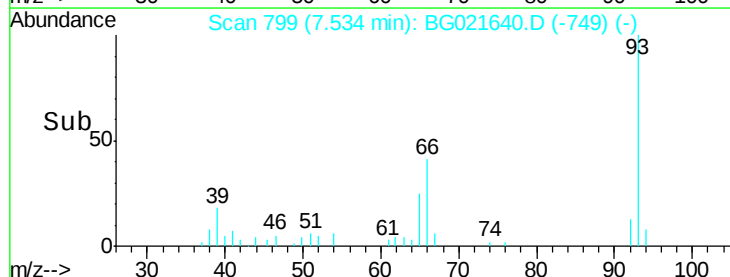
65 25.5 18.4 27.6

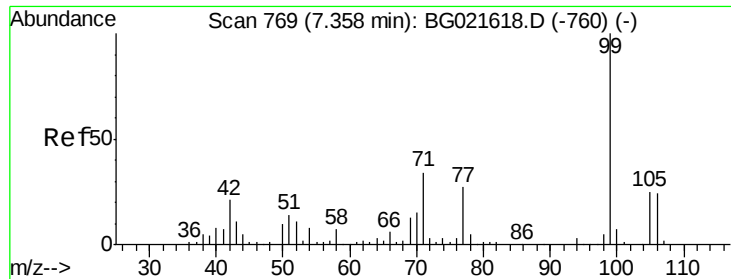


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 142.44 ng

RT: 7.36 min Scan# 769

Delta R.T. 0.00 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

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ClientSampleId :

LOD-SOIL2016-01

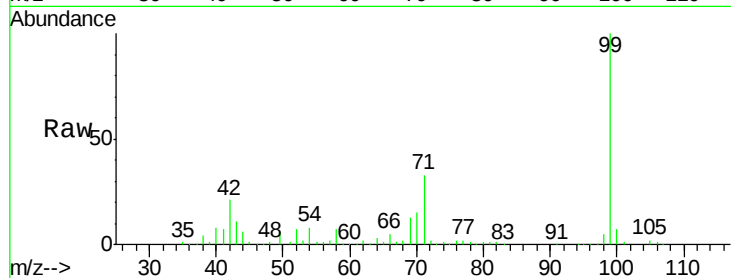
Tgt Ion: 99 Resp: 371342

Ion Ratio Lower Upper

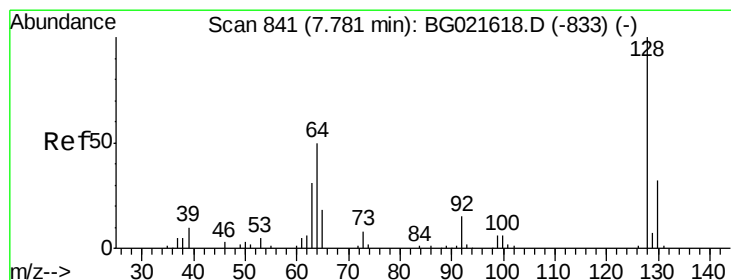
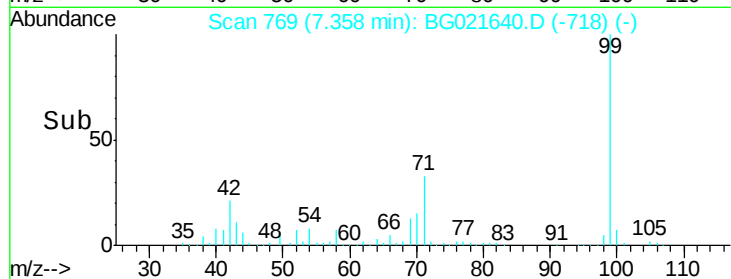
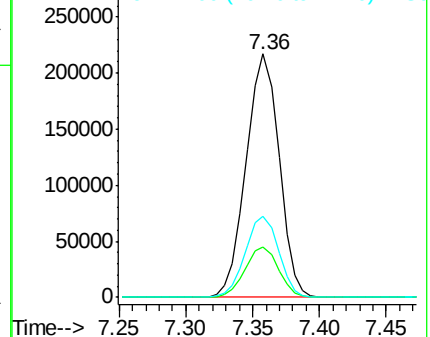
99 100

42 20.5 16.4 24.6

71 33.5 25.0 37.4



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



#8

2-Chlorophenol

Concen: 4.27 ng

RT: 7.78 min Scan# 840

Delta R.T. -0.01 min

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Acq: 14 Apr 2016 4:58

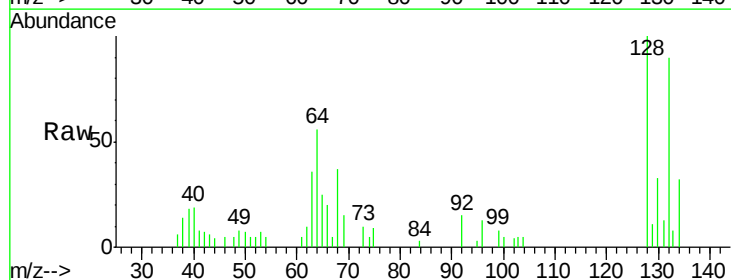
Tgt Ion: 128 Resp: 8931

Ion Ratio Lower Upper

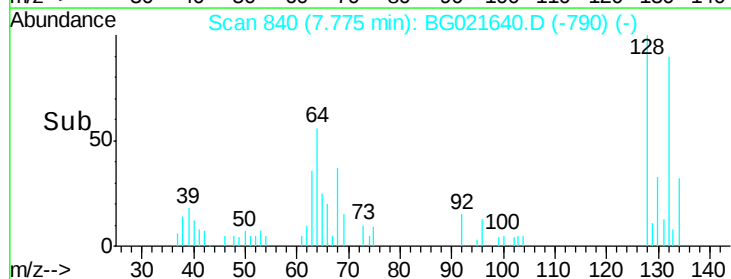
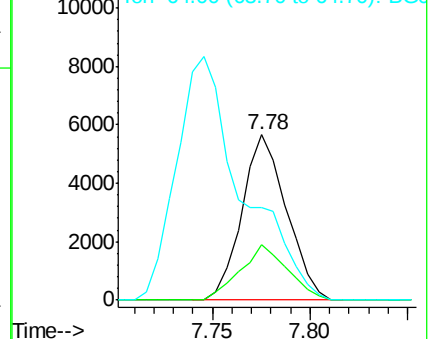
128 100

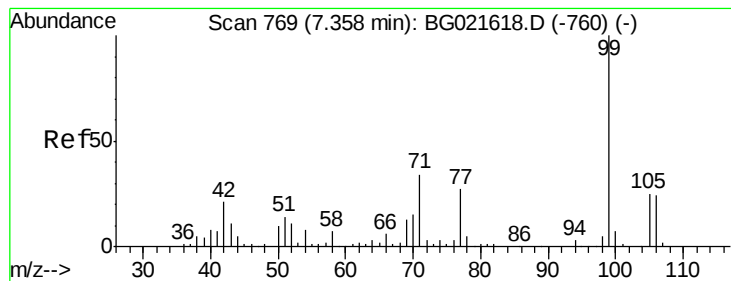
130 33.3 11.2 51.2

64 56.0 39.8 79.8



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





#9

Benzaldehyde

Concen: 5.83 ng

RT: 7.35 min Scan# 768

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

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LOD-SOIL2016-01

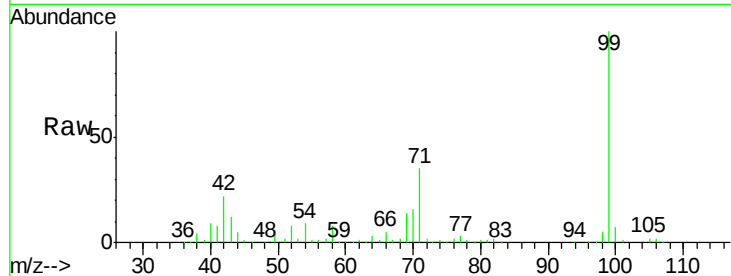
Tgt Ion: 77 Resp: 8785

Ion Ratio Lower Upper

77 100

105 88.4 62.1 102.1

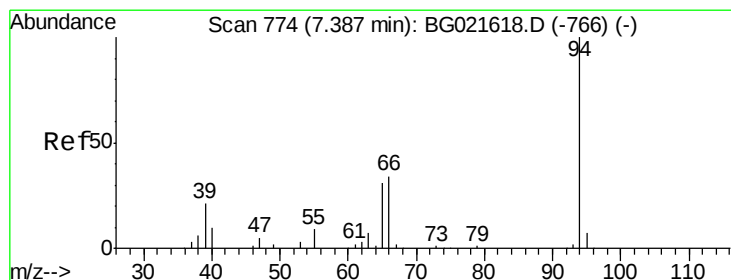
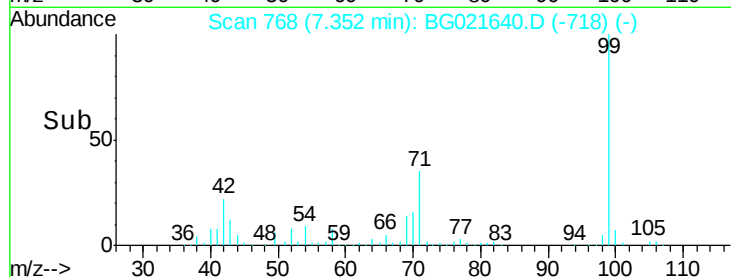
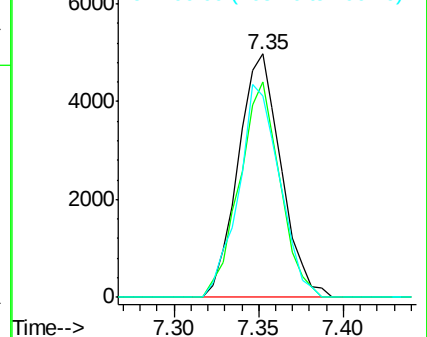
106 82.7 65.6 105.6



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 4.53 ng

RT: 7.38 min Scan# 773

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

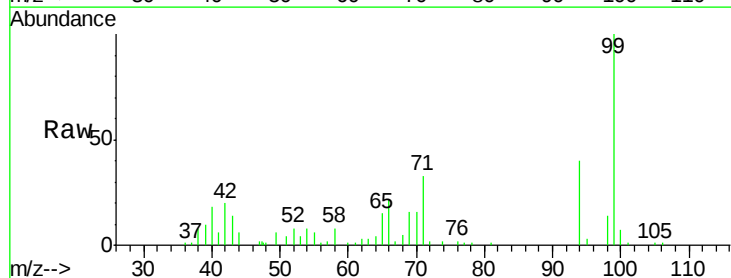
Tgt Ion: 94 Resp: 12708

Ion Ratio Lower Upper

94 100

65 36.8 9.8 49.8

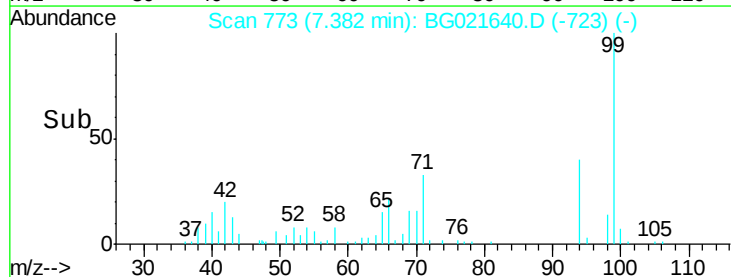
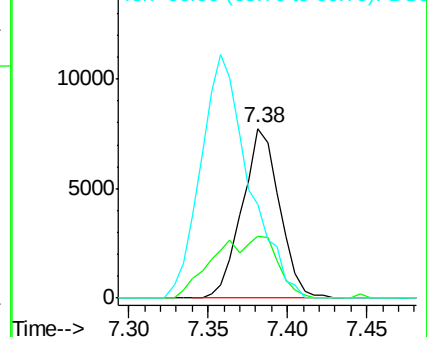
66 55.1 20.8 60.8

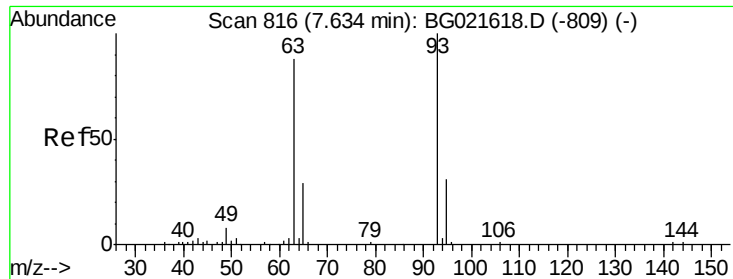


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

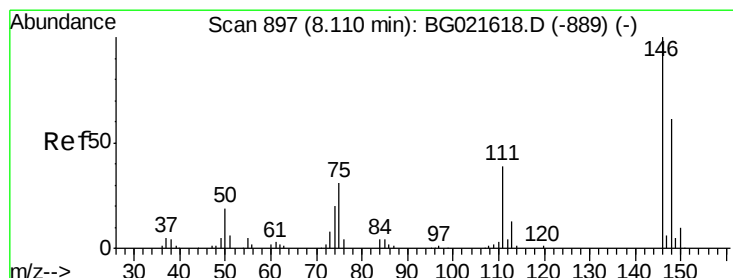
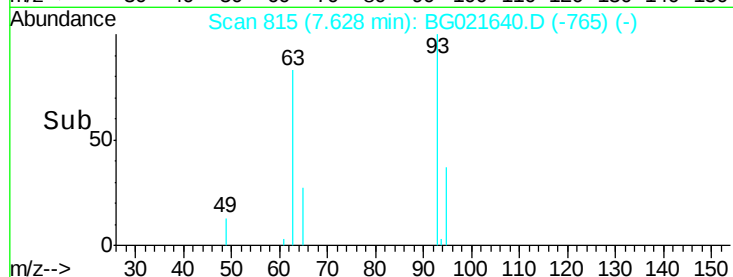
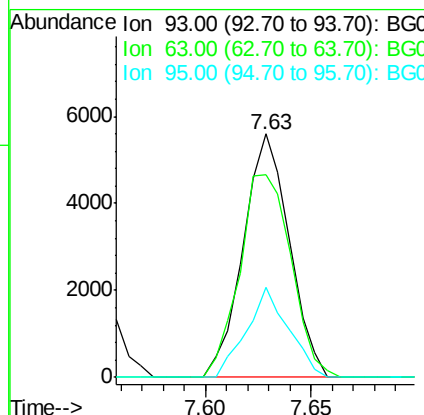
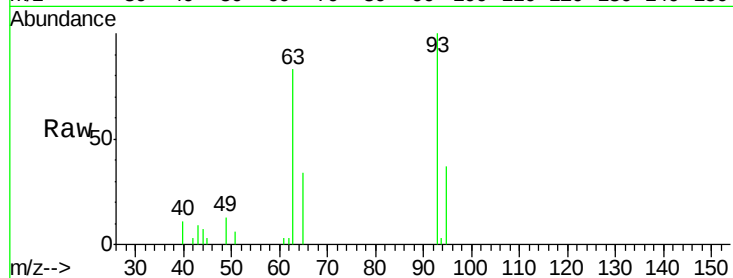




#11
 bis(2-Chloroethyl)ether
 Concen: 3.77 ng
 RT: 7.63 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

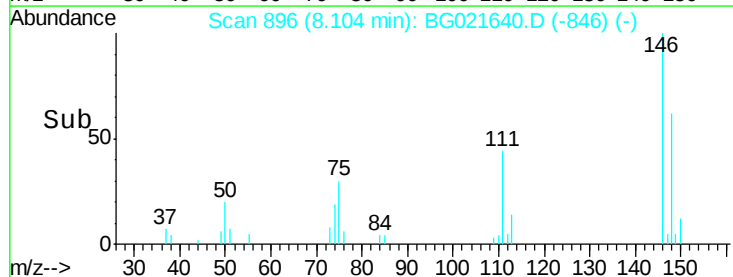
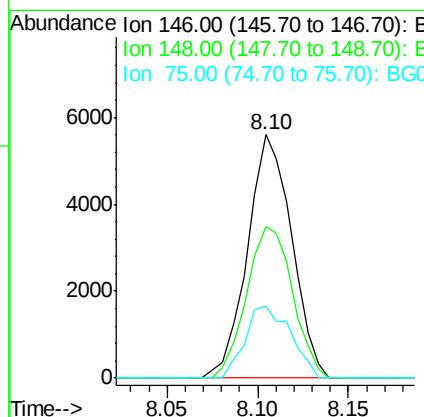
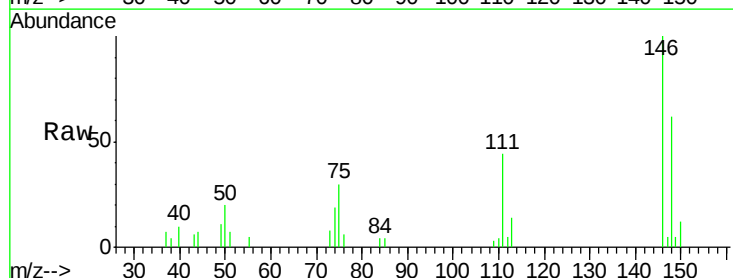
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

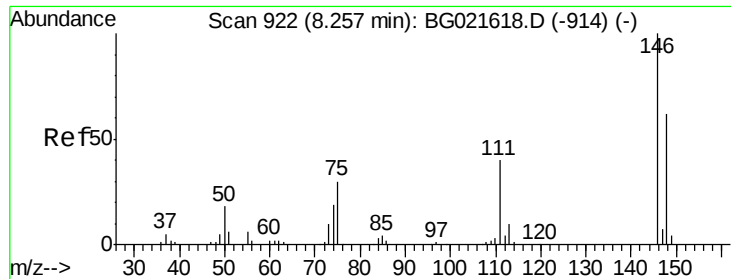
Tgt Ion: 93 Resp: 8462
 Ion Ratio Lower Upper
 93 100
 63 83.1 74.9 114.9
 95 37.0 8.3 48.3



#12
 1,3-Dichlorobenzene
 Concen: 4.05 ng
 RT: 8.10 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Tgt Ion: 146 Resp: 9459
 Ion Ratio Lower Upper
 146 100
 148 62.3 53.7 80.5
 75 29.8 27.4 41.0

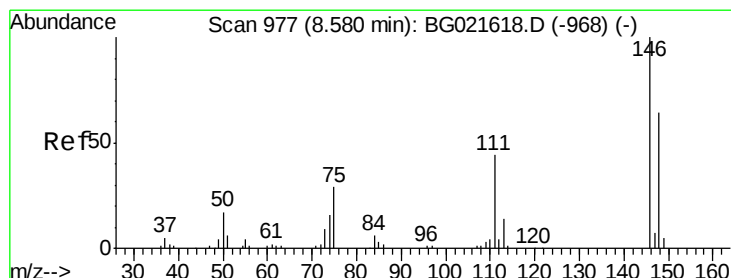
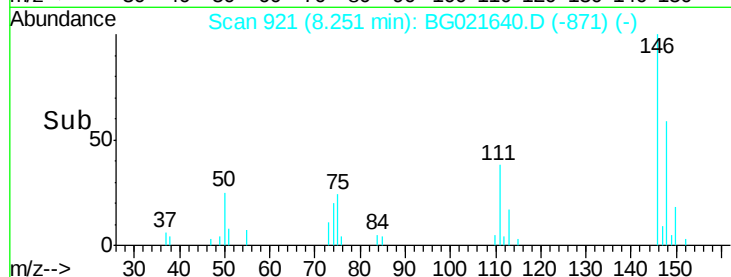
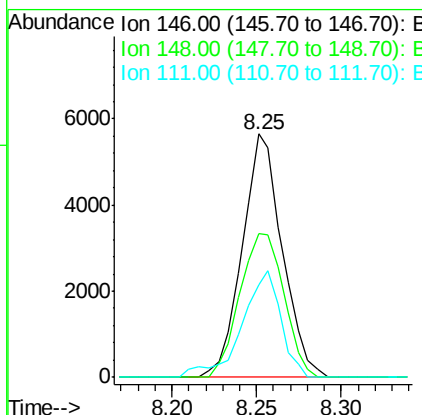
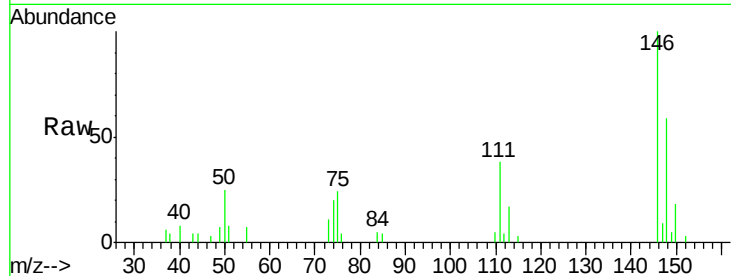




#13
 1,4-Dichlorobenzene
 Concen: 3.91 ng
 RT: 8.25 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

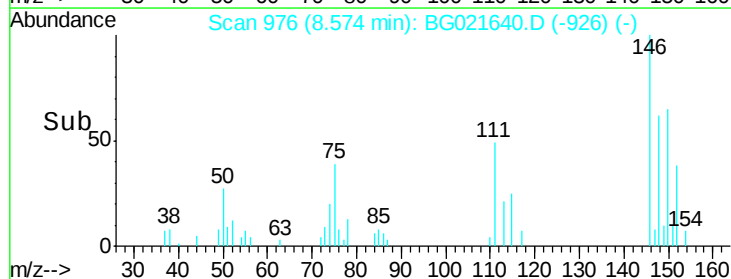
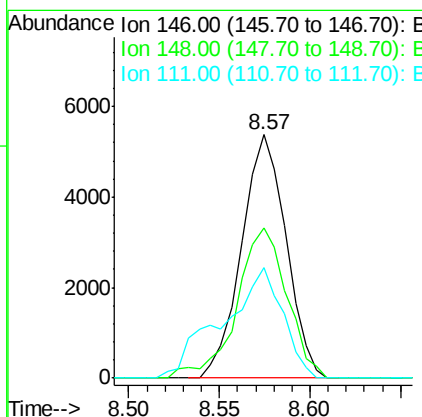
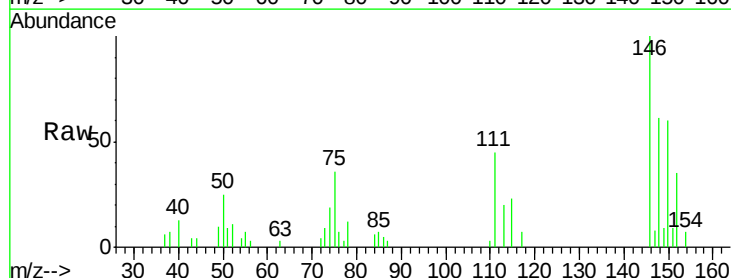
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

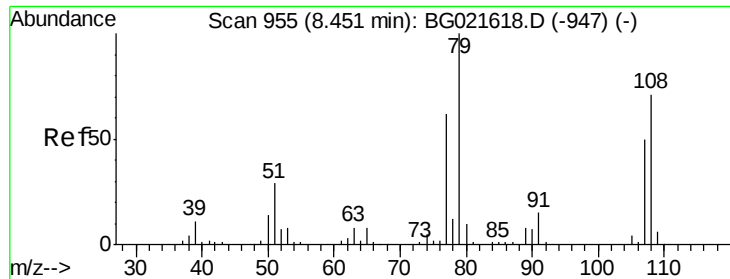
Tgt Ion:146 Resp: 9303
 Ion Ratio Lower Upper
 146 100
 148 58.9 46.7 70.1
 111 38.0 33.0 49.6



#14
 1,2-Dichlorobenzene
 Concen: 4.02 ng
 RT: 8.57 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Tgt Ion:146 Resp: 9173
 Ion Ratio Lower Upper
 146 100
 148 61.4 52.6 79.0
 111 45.2 36.1 54.1





#15

Benzyl Alcohol

Concen: 4.27 ng

RT: 8.45 min Scan# 955

Delta R.T. 0.00 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

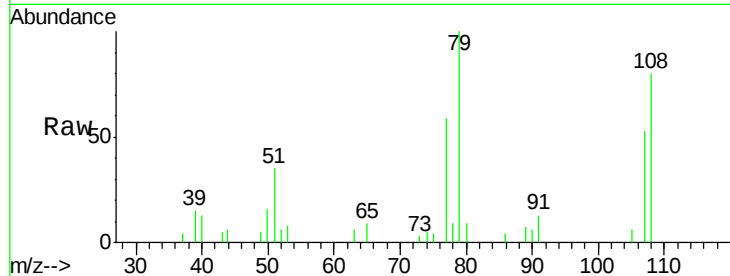
Tgt Ion: 79 Resp: 8515

Ion Ratio Lower Upper

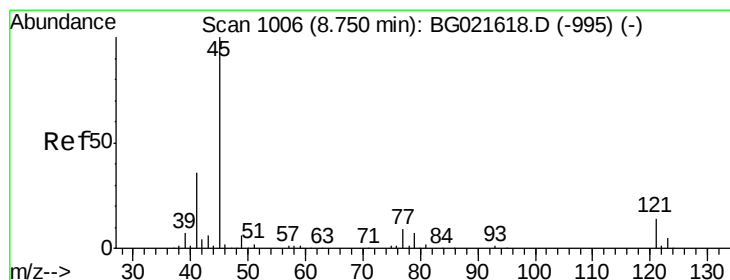
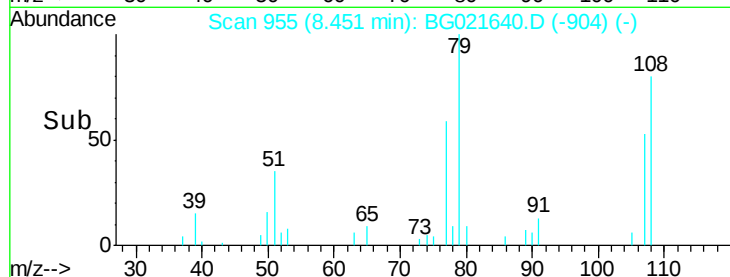
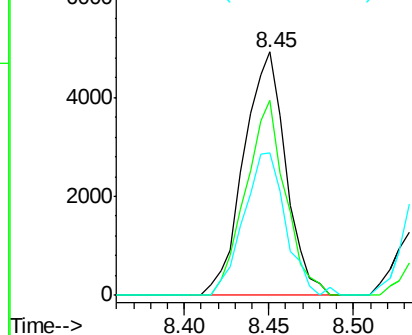
79 100

108 80.0 59.4 89.0

77 58.8 52.2 78.2



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.62 ng

RT: 8.74 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

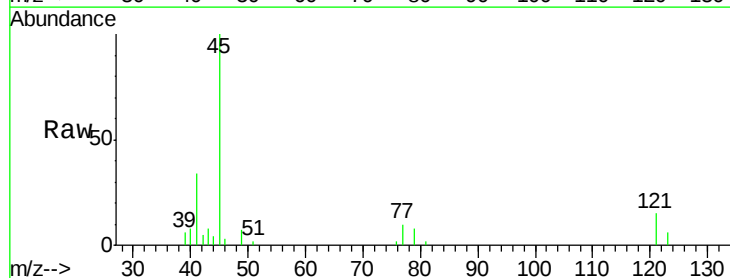
Tgt Ion: 45 Resp: 17381

Ion Ratio Lower Upper

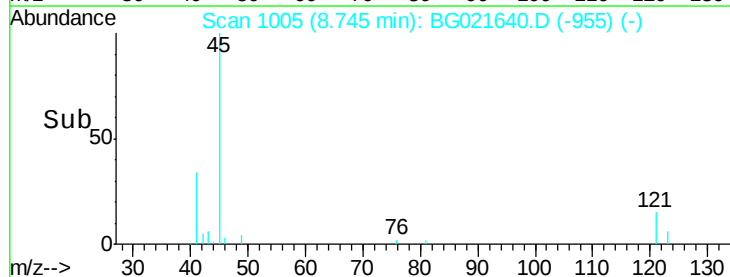
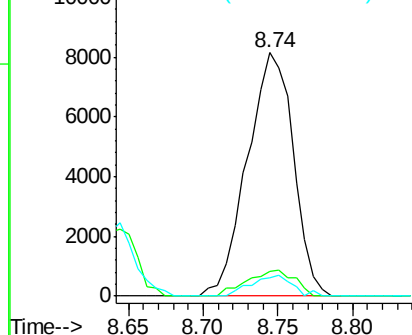
45 100

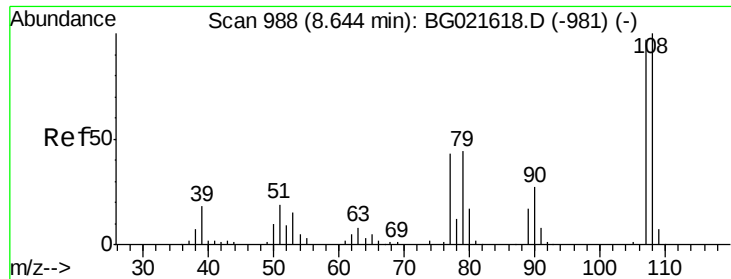
77 10.2 0.0 31.2

79 7.5 0.0 29.0



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

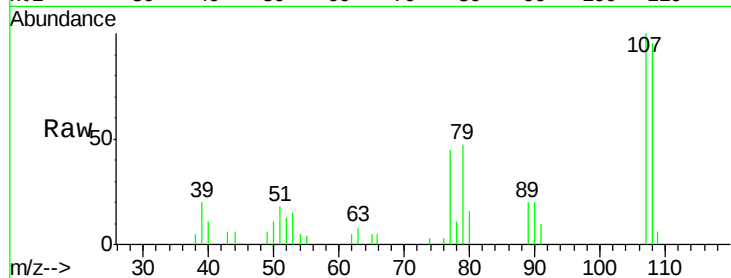




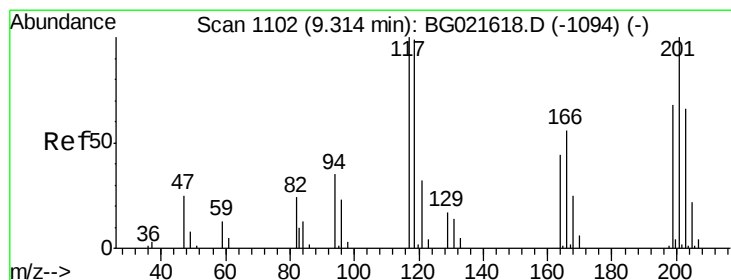
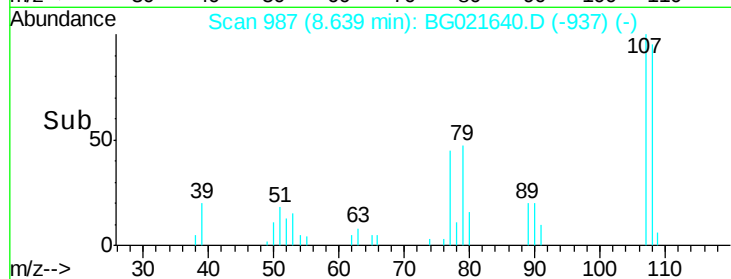
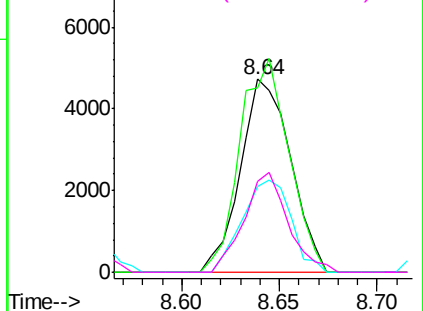
#17
2-Methylphenol
Concen: 4.34 ng
RT: 8.64 min Scan# 987
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:107 Resp: 8420
Ion Ratio Lower Upper
107 100
108 95.2 80.2 120.4
77 44.6 40.7 61.1
79 47.3 39.8 59.8

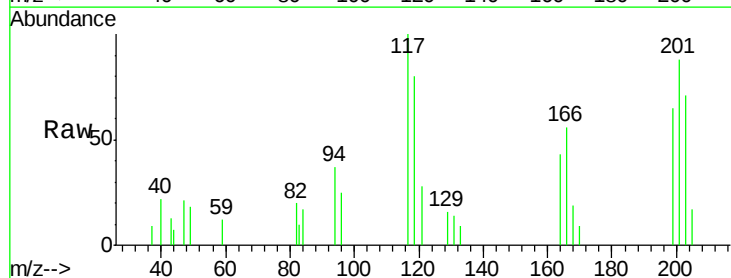


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

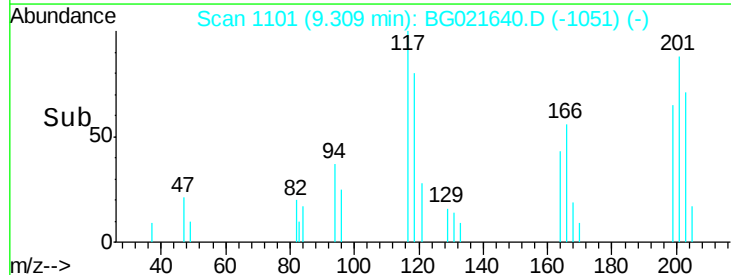
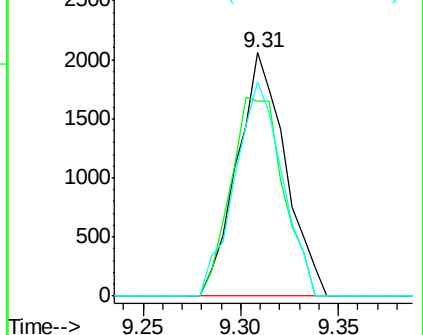


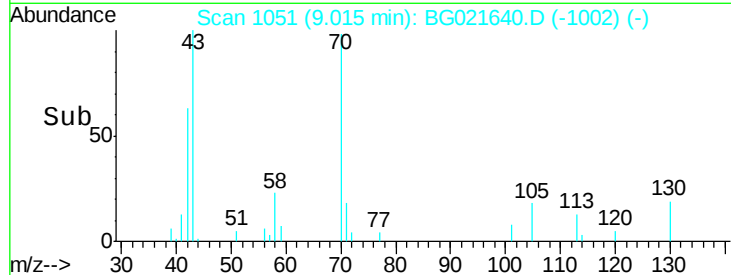
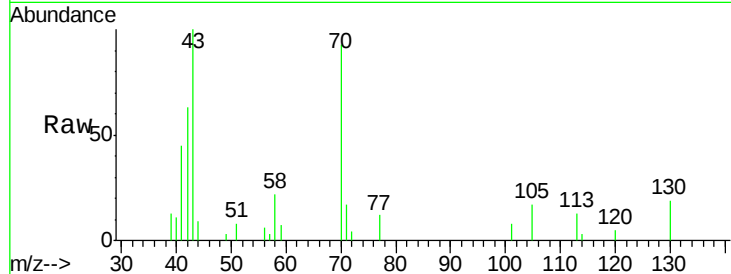
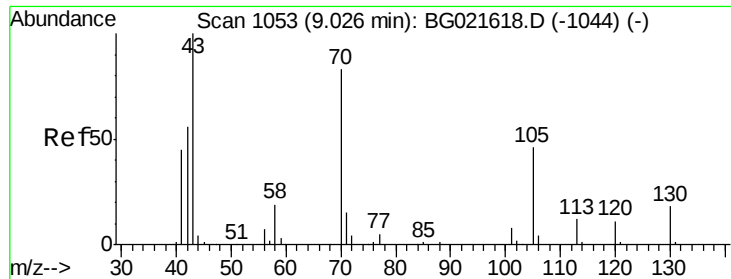
#18
Hexachloroethane
Concen: 4.06 ng
RT: 9.31 min Scan# 1101
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Tgt Ion:117 Resp: 3512
Ion Ratio Lower Upper
117 100
119 80.0 63.9 95.9
201 87.8 61.2 91.8



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

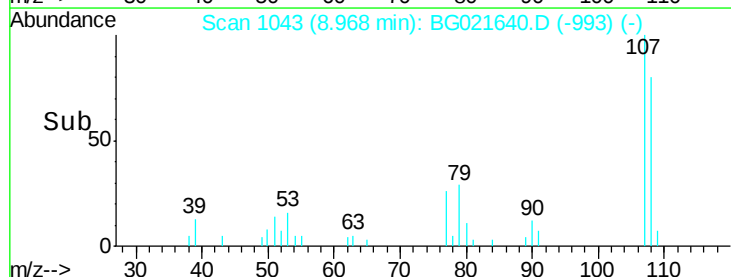
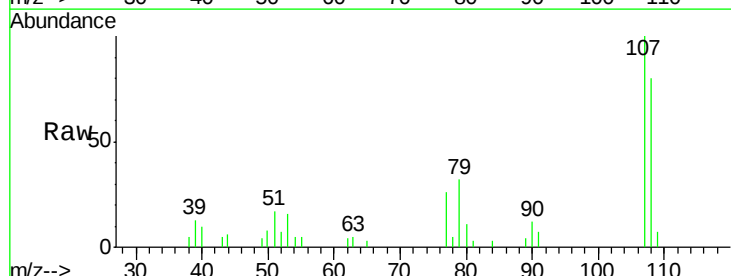
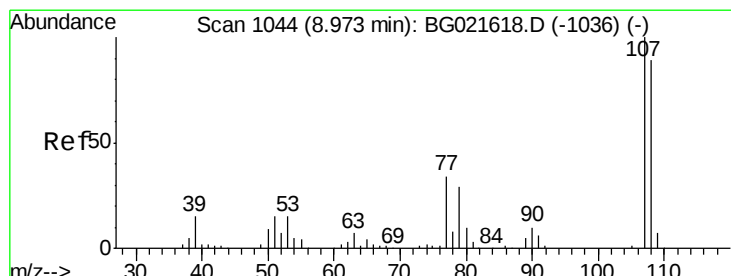
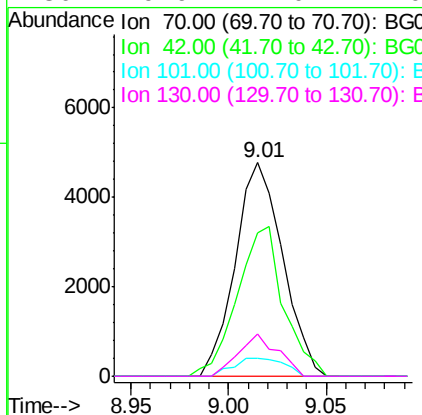




#19
n-Nitroso-di-n-propylamine
Concen: 3.97 ng
RT: 9.01 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

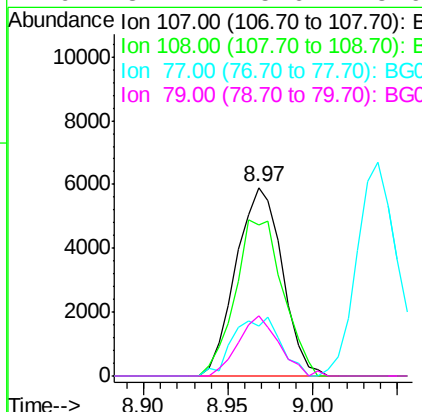
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

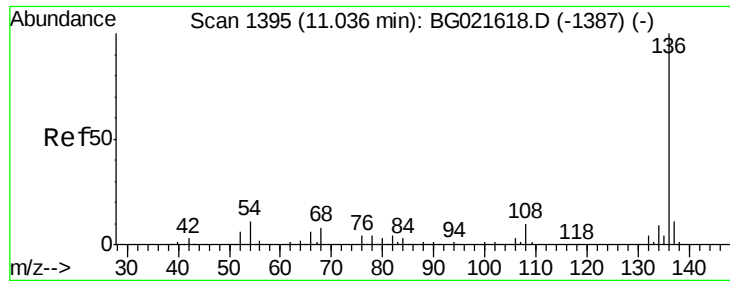
Tgt Ion: 70 Resp: 8033
Ion Ratio Lower Upper
70 100
42 67.3 56.7 85.1
101 8.2 8.2 12.4#
130 19.9 14.0 21.0



#20
3+4-Methylphenols
Concen: 4.23 ng
RT: 8.97 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Tgt Ion: 107 Resp: 11214
Ion Ratio Lower Upper
107 100
108 80.0 66.2 106.2
77 26.4 11.5 51.5
79 32.2 5.6 45.6

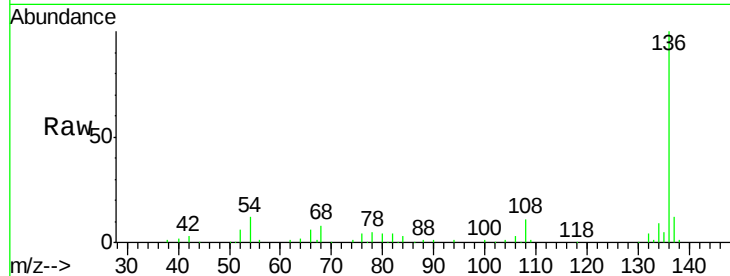




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.03 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:	136	Resp:	127035
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.0	13.4
54	11.8	9.6	14.4
68	8.1	6.4	9.6



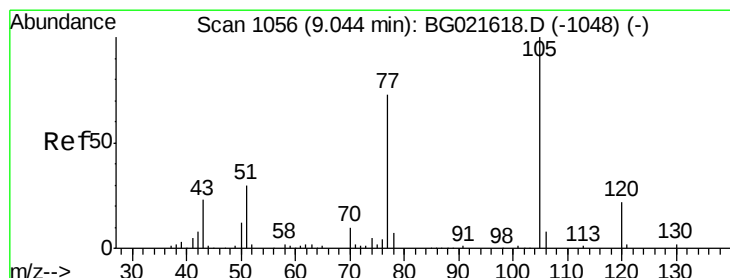
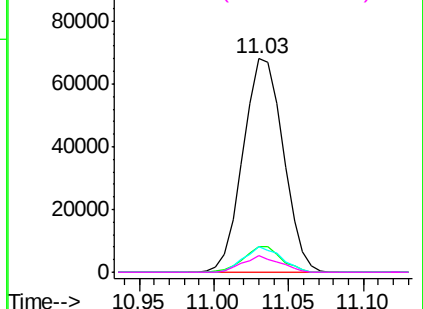
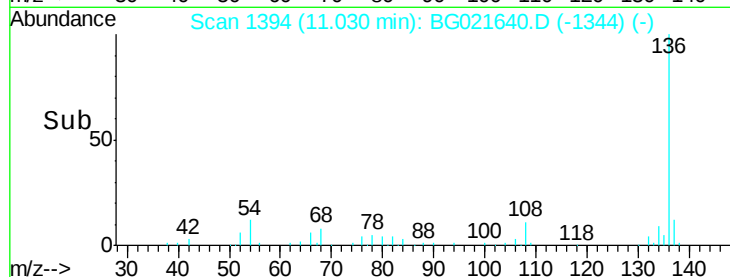
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

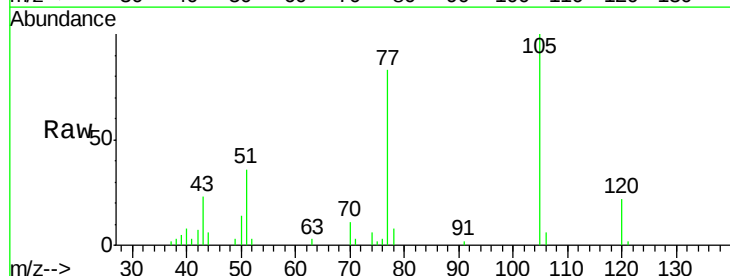
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 3.98 ng
RT: 9.04 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Tgt Ion:	105	Resp:	14070
Ion	Ratio	Lower	Upper
105	100		
71	2.6	0.0	0.0#
51	35.6	25.7	38.5
120	21.8	17.0	25.6



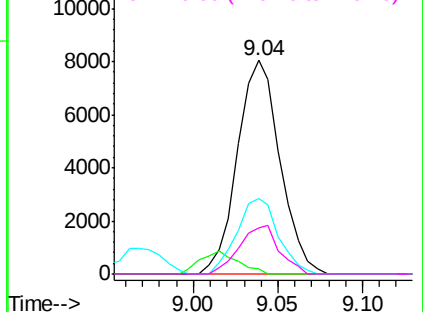
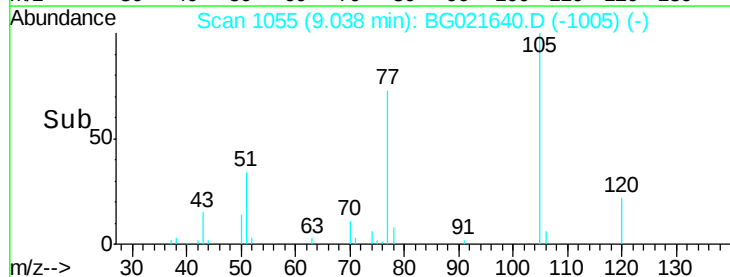
Abundance

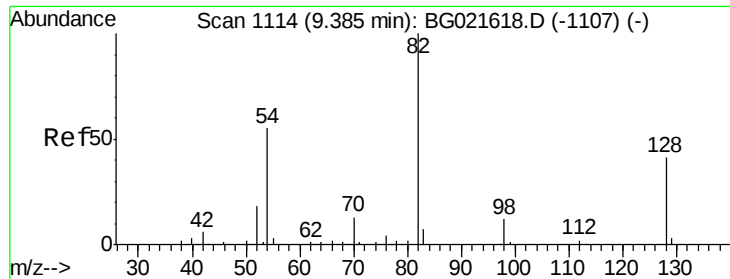
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

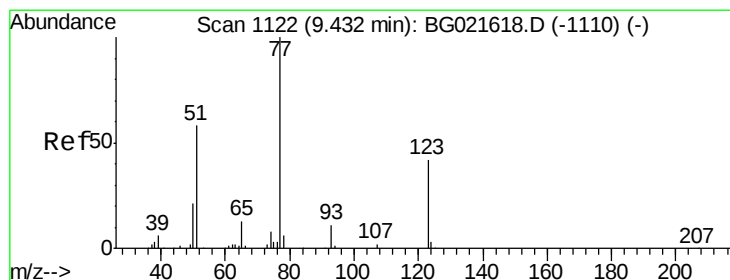
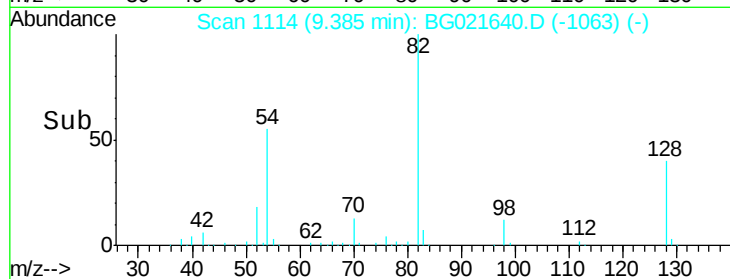
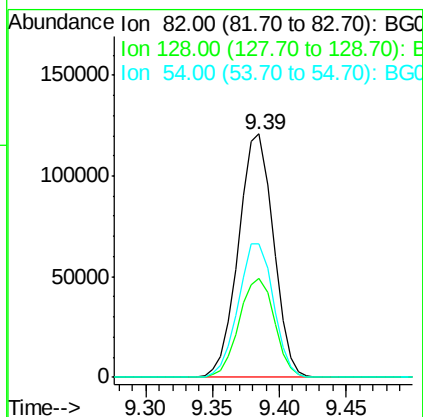
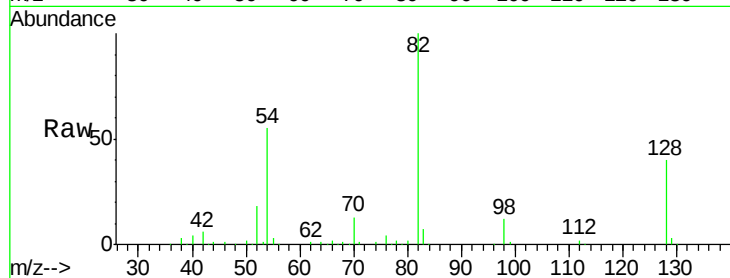




#23
 Nitrobenzene-d5
 Concen: 88.83 ng
 RT: 9.39 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

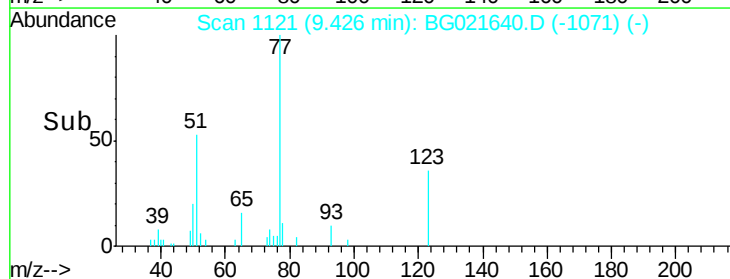
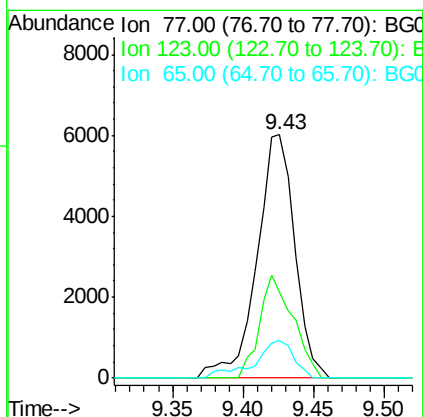
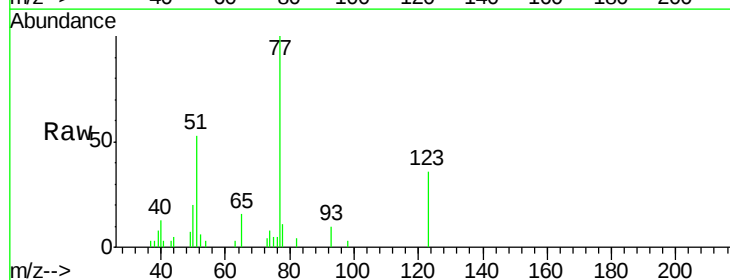
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

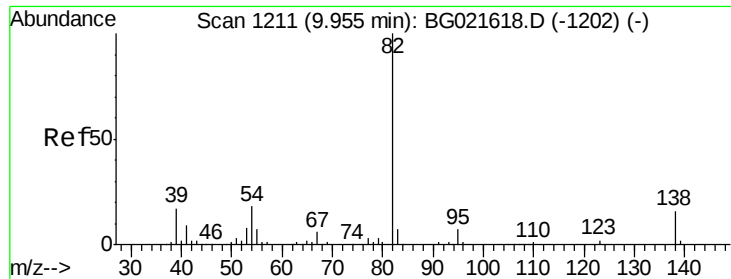
Tgt Ion: 82 Resp: 219550
 Ion Ratio Lower Upper
 82 100
 128 40.5 33.4 50.0
 54 54.8 46.1 69.1



#24
 Nitrobenzene
 Concen: 4.27 ng
 RT: 9.43 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Tgt Ion: 77 Resp: 11287
 Ion Ratio Lower Upper
 77 100
 123 35.6 32.2 48.4
 65 15.7 10.3 15.5#

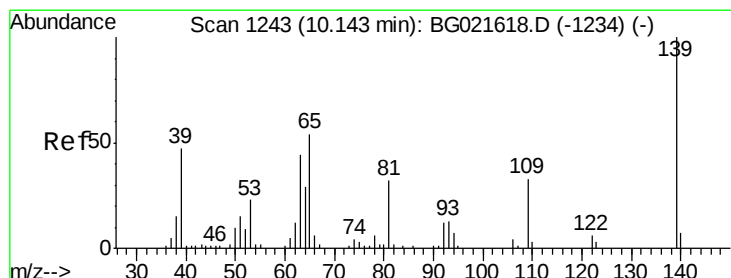
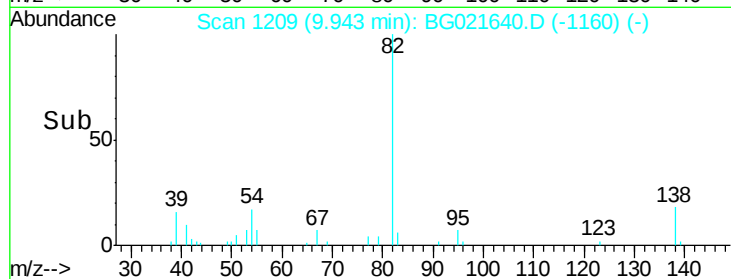
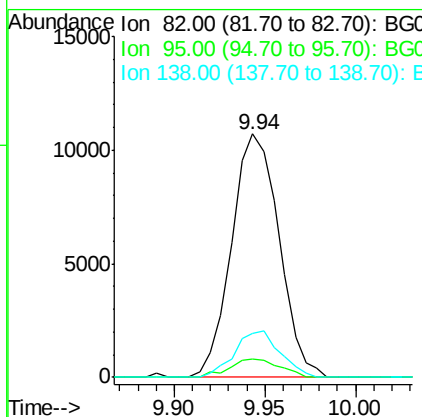
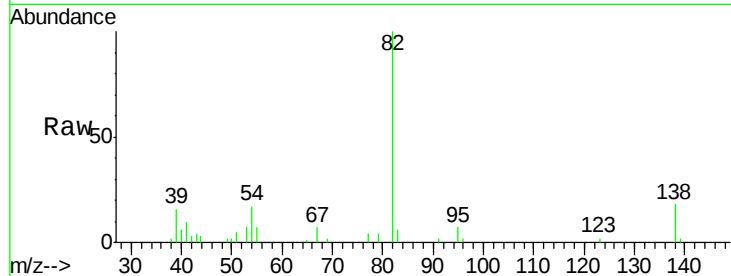




#25
Isophorone
Concen: 3.60 ng
RT: 9.94 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

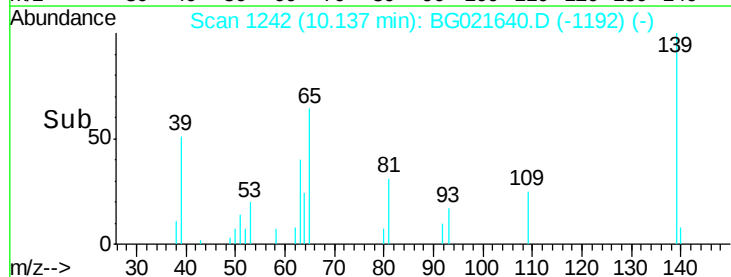
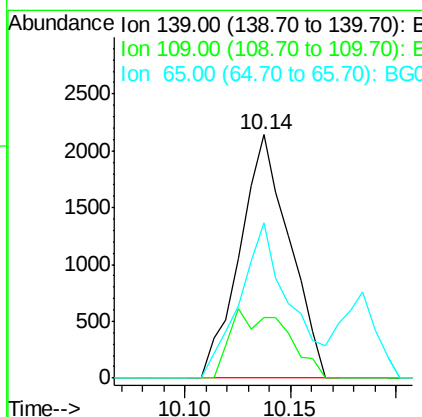
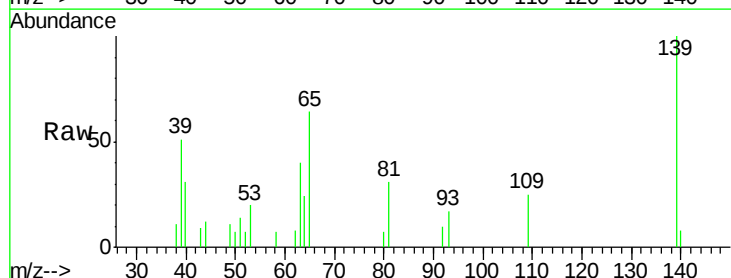
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

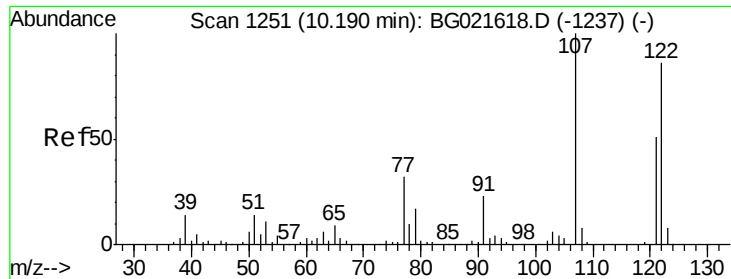
Tgt Ion: 82 Resp: 19485
Ion Ratio Lower Upper
82 100
95 7.5 6.0 9.0
138 18.2 13.4 20.0



#26
2-Nitrophenol
Concen: 3.46 ng
RT: 10.14 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Tgt Ion: 139 Resp: 3494
Ion Ratio Lower Upper
139 100
109 24.8 26.6 40.0#
65 64.0 45.3 67.9

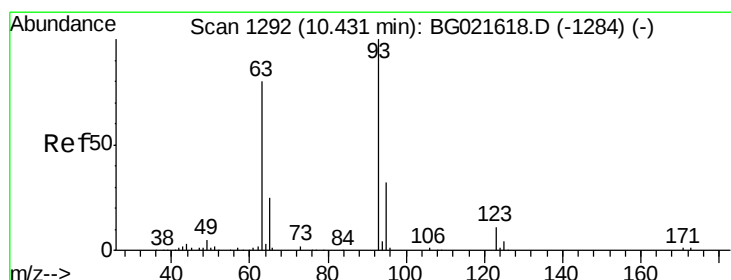
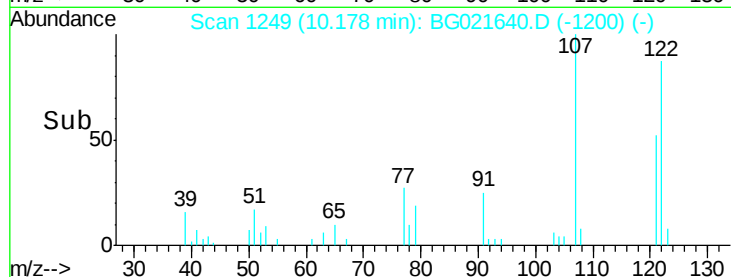
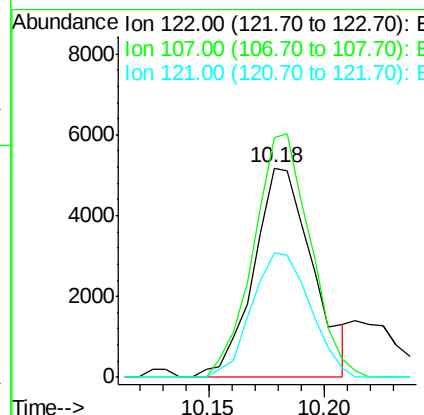
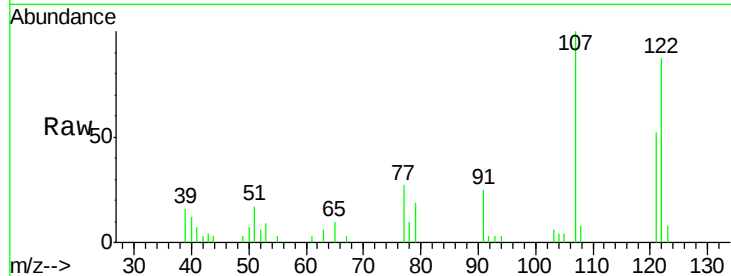




#27
 2,4-Dimethylphenol
 Concen: 4.00 ng
 RT: 10.18 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

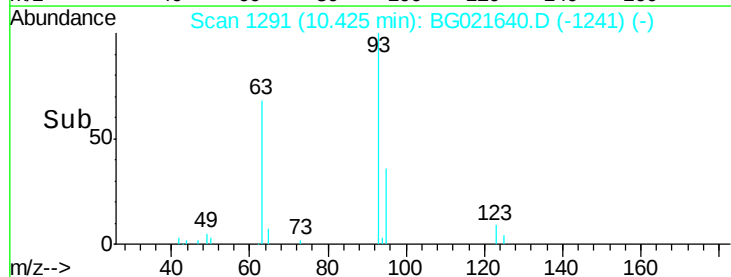
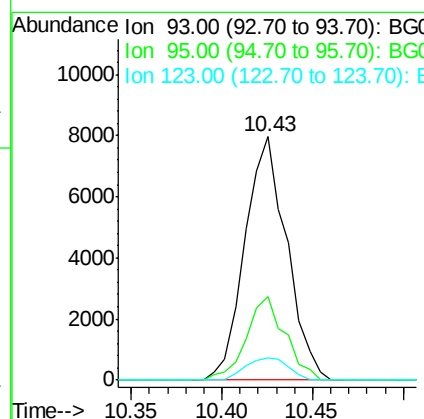
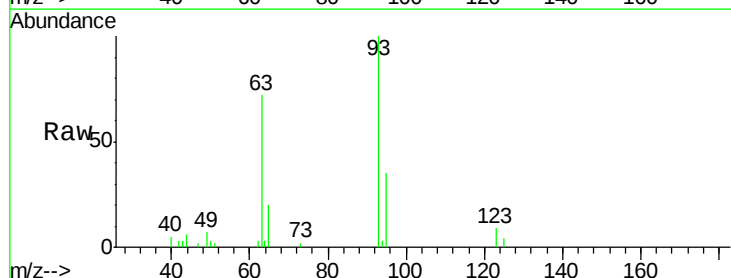
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

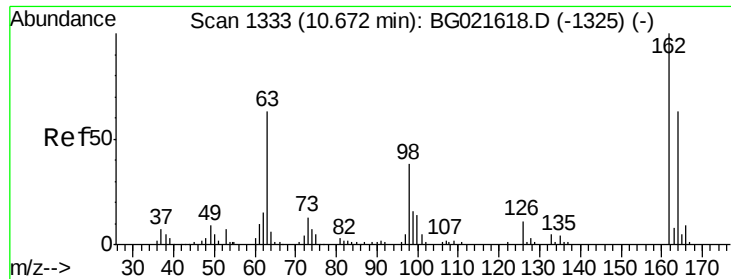
Tgt Ion: 122 Resp: 9177
 Ion Ratio Lower Upper
 122 100
 107 114.4 97.2 145.8
 121 59.7 49.0 73.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 4.47 ng
 RT: 10.43 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Tgt Ion: 93 Resp: 12838
 Ion Ratio Lower Upper
 93 100
 95 34.5 30.1 45.1
 123 9.0 10.2 15.4#

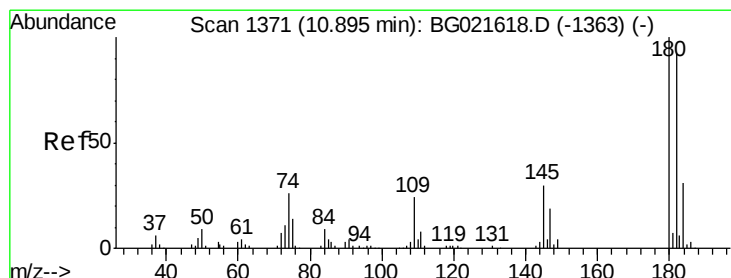
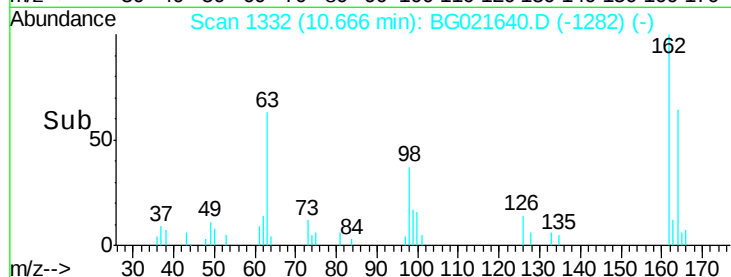
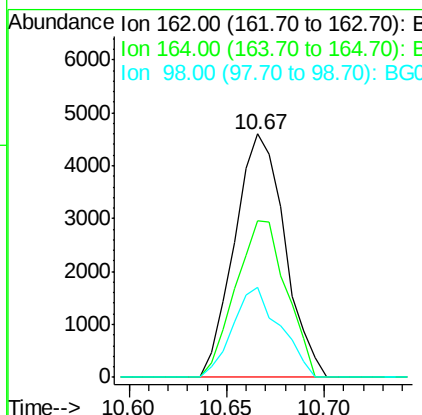
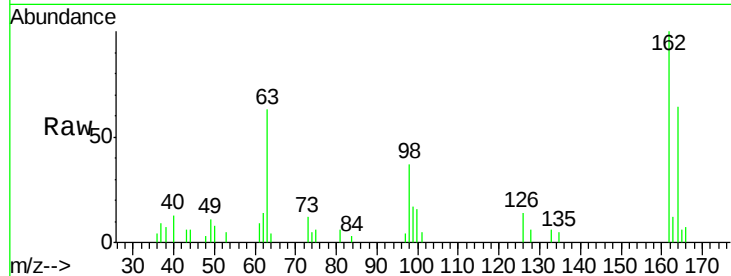




#29
 2,4-Dichlorophenol
 Concen: 4.19 ng
 RT: 10.67 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

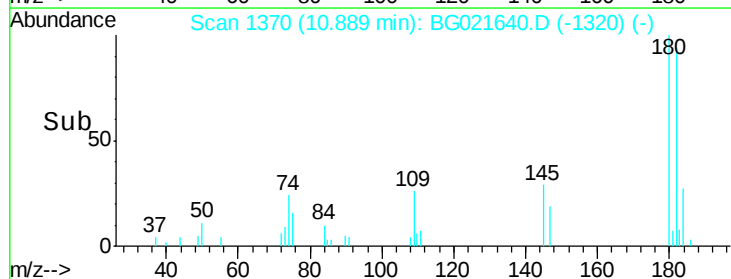
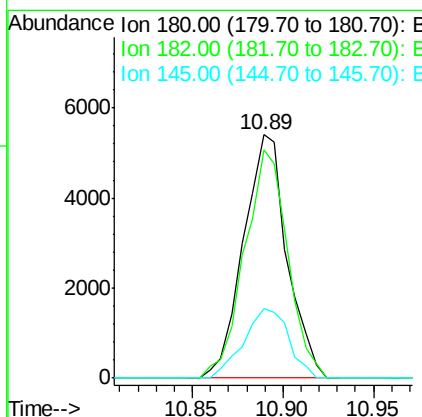
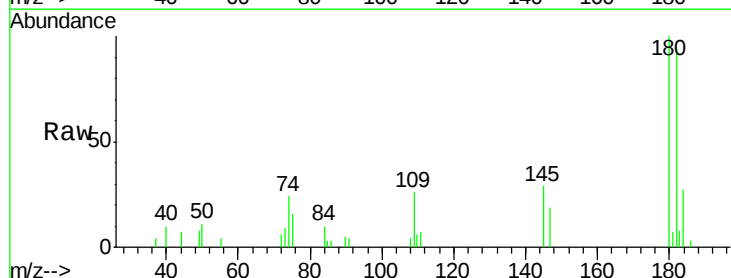
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

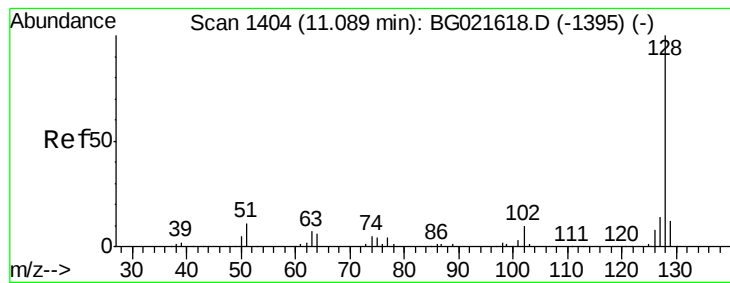
Tgt Ion:162 Resp: 8191
 Ion Ratio Lower Upper
 162 100
 164 64.1 44.9 84.9
 98 37.0 19.2 59.2



#30
 1,2,4-Trichlorobenzene
 Concen: 4.31 ng
 RT: 10.89 min Scan# 1370
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Tgt Ion:180 Resp: 9059
 Ion Ratio Lower Upper
 180 100
 182 93.9 82.3 123.5
 145 28.8 24.4 36.6





#31

Naphthalene

Concen: 4.37 ng

RT: 11.08 min Scan# 1403

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

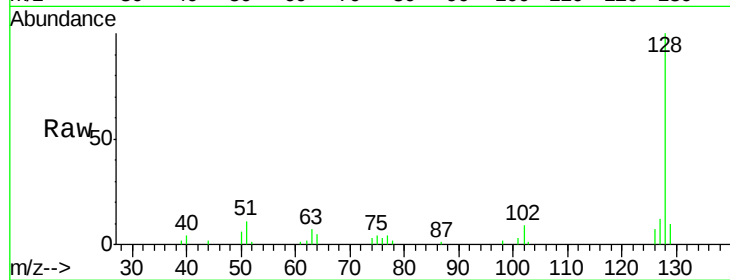
Tgt Ion:128 Resp: 29735

Ion Ratio Lower Upper

128 100

129 9.7 7.0 10.6

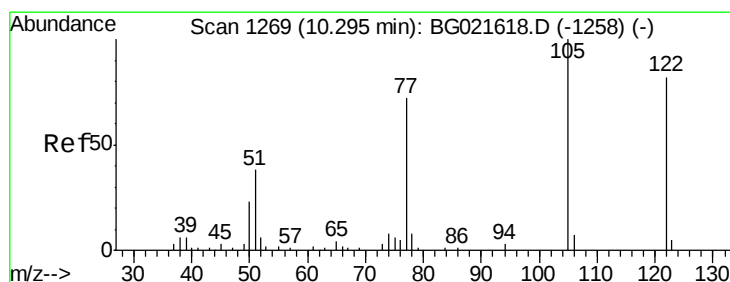
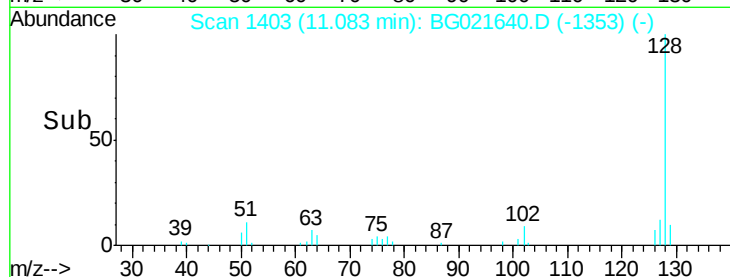
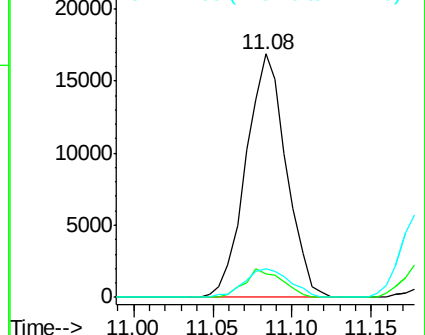
127 11.9 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 12.03 ng

RT: 10.18 min Scan# 1249

Delta R.T. -0.12 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

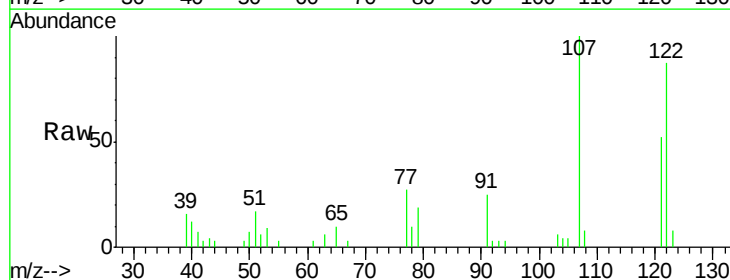
Tgt Ion:122 Resp: 9177

Ion Ratio Lower Upper

122 100

105 4.8 104.5 144.5#

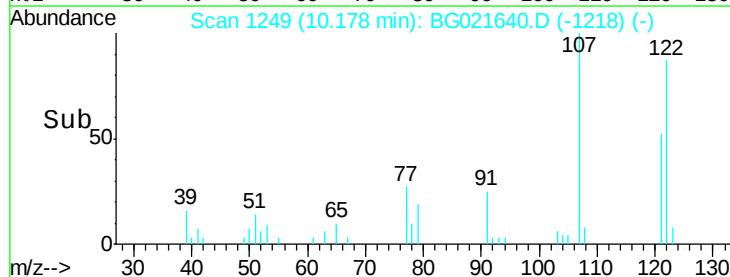
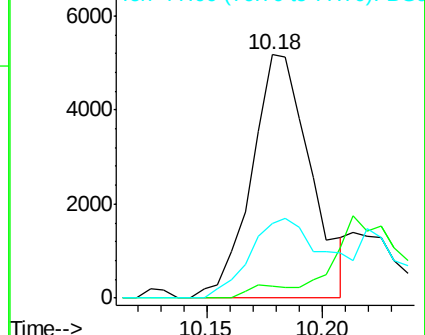
77 30.5 79.9 119.9#

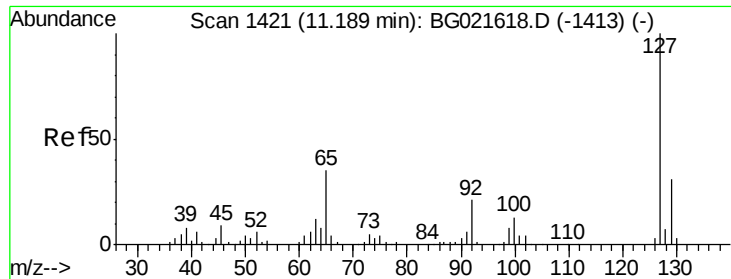


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

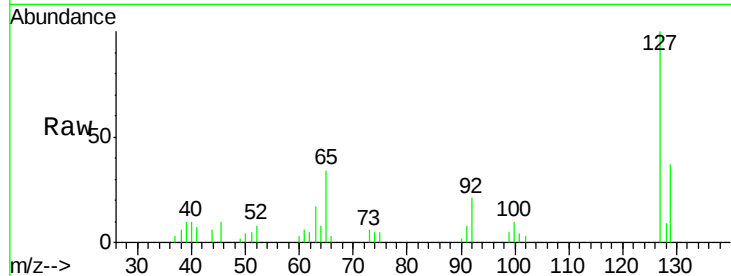




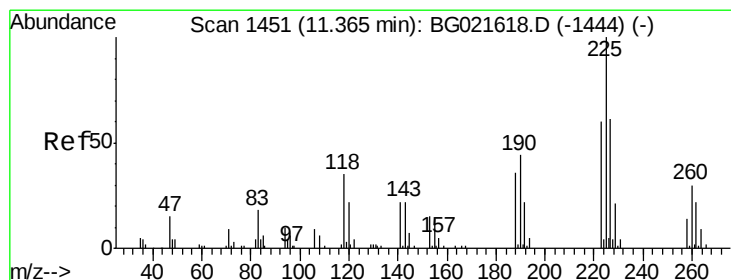
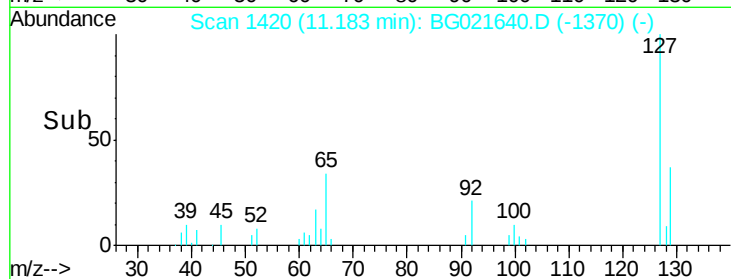
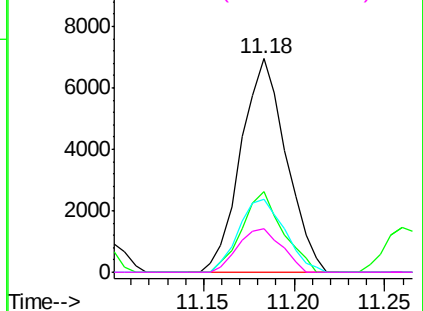
#33
4-Chloroaniline
Concen: 4.11 ng
RT: 11.18 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:	127	Resp:	12108
Ion	Ratio	Lower	Upper
127	100		
129	37.5	26.6	39.8
65	34.0	27.5	41.3
92	20.7	14.7	22.1

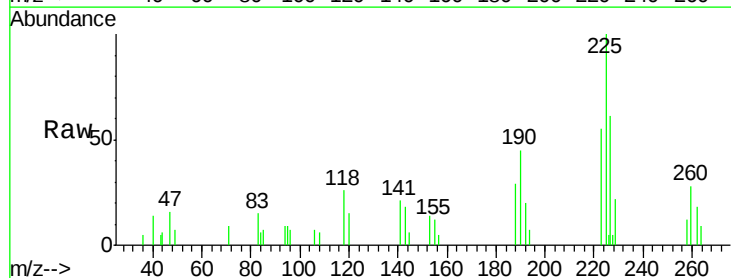


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

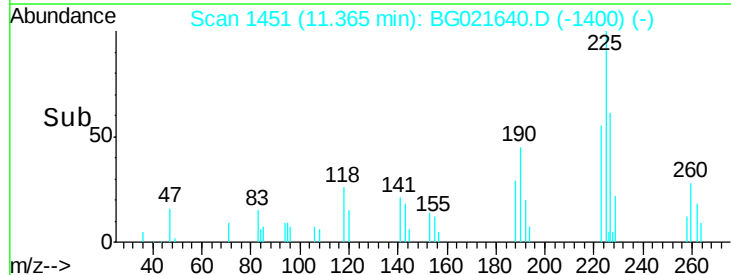
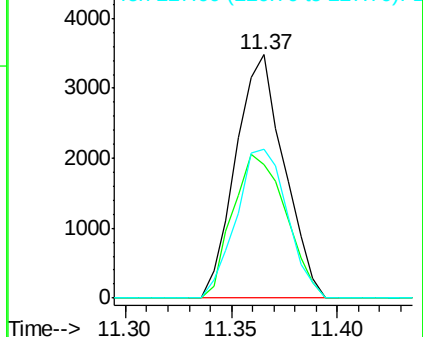


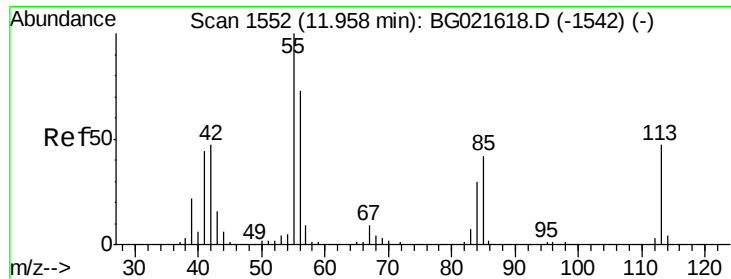
#34
Hexachlorobutadiene
Concen: 4.08 ng
RT: 11.37 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Tgt Ion:	225	Resp:	5532
Ion	Ratio	Lower	Upper
225	100		
223	55.1	52.7	79.1
227	65.5	49.7	74.5



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

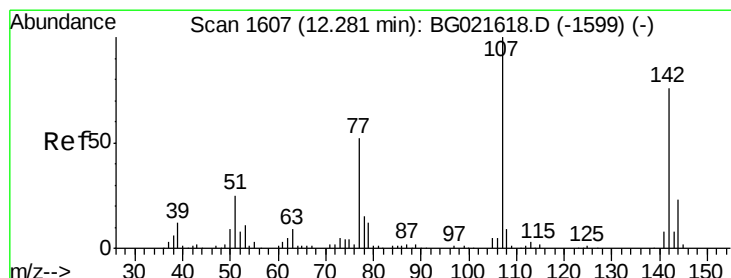
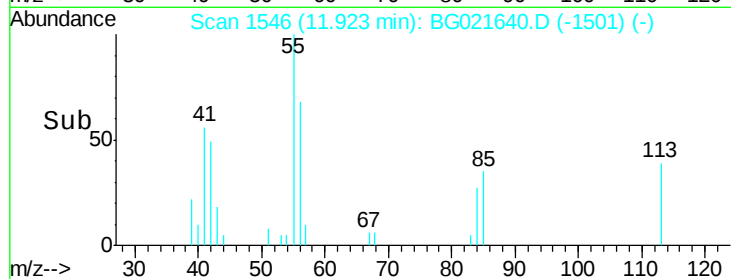
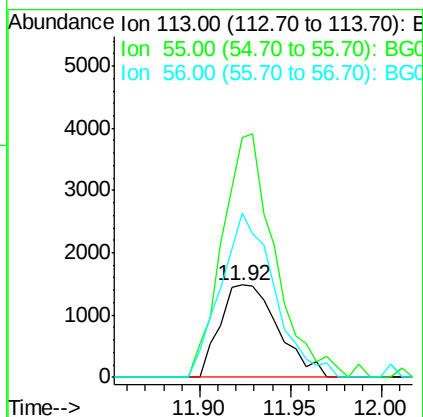
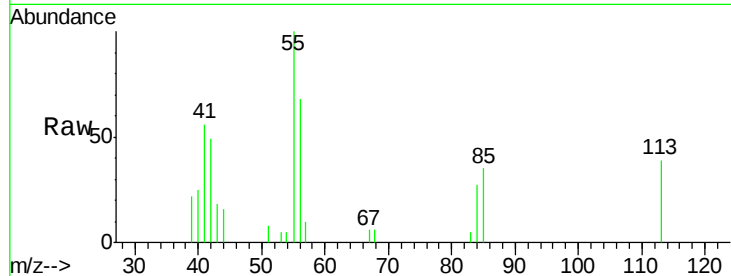




#35
 Caprolactam
 Concen: 3.69 ng
 RT: 11.92 min Scan# 1546
 Delta R.T. -0.03 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

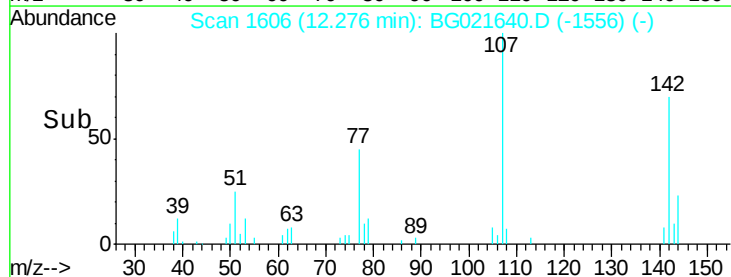
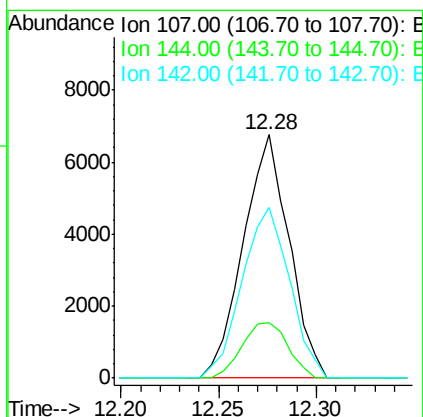
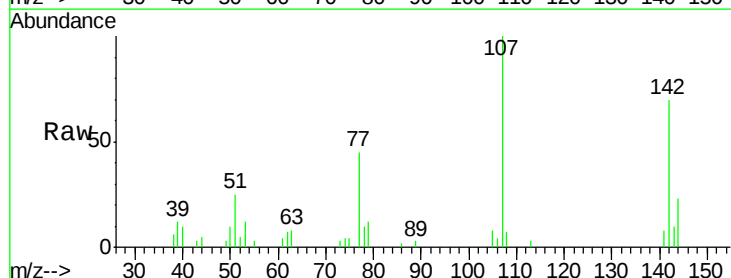
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

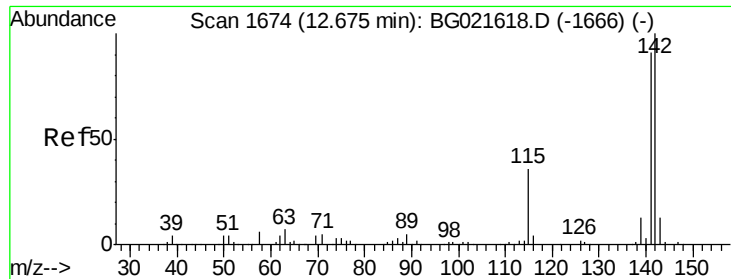
Tgt Ion:113 Resp: 3304
 Ion Ratio Lower Upper
 113 100
 55 259.3 194.2 234.2#
 56 177.2 122.6 162.6#



#36
 4-Chloro-3-methylphenol
 Concen: 4.46 ng
 RT: 12.28 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Tgt Ion:107 Resp: 10975
 Ion Ratio Lower Upper
 107 100
 144 22.9 19.2 28.8
 142 70.1 59.1 88.7

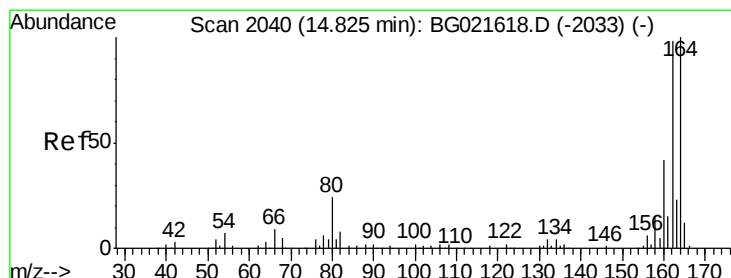
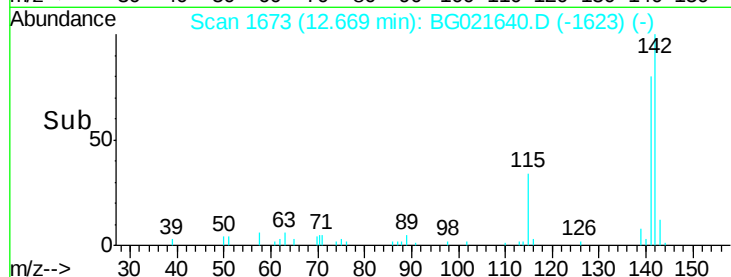
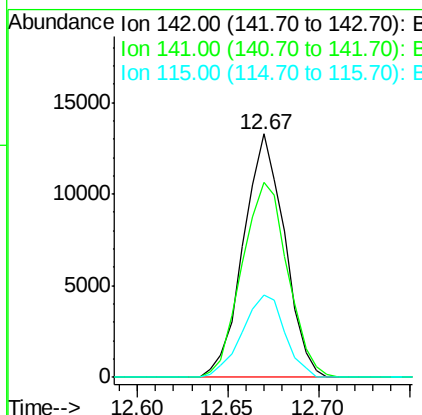
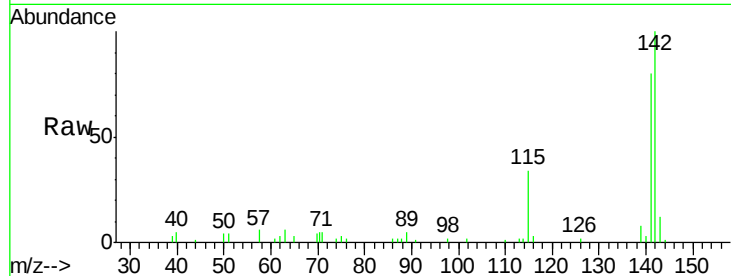




#37
 2-Methylnaphthalene
 Concen: 4.52 ng
 RT: 12.67 min Scan# 1673
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

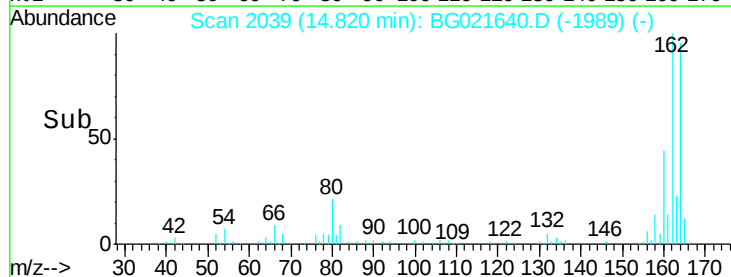
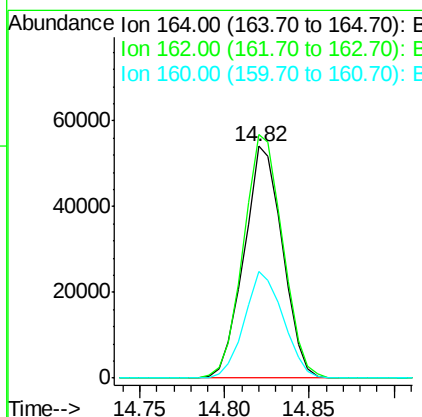
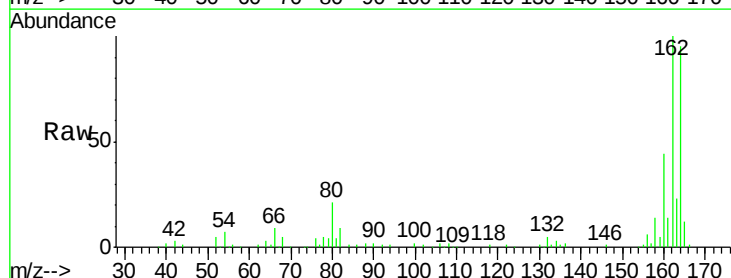
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

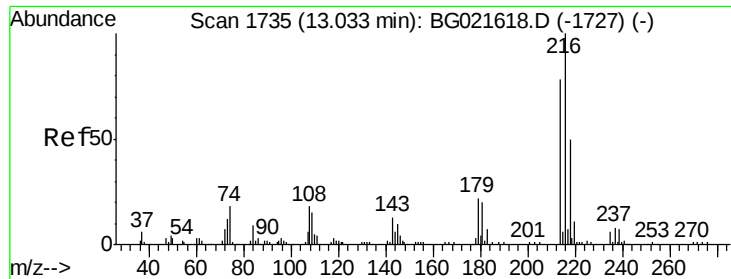
Tgt Ion:142 Resp: 21105
 Ion Ratio Lower Upper
 142 100
 141 79.9 71.4 107.0
 115 34.0 27.4 41.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2039
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Tgt Ion:164 Resp: 85643
 Ion Ratio Lower Upper
 164 100
 162 105.1 78.0 117.0
 160 46.3 32.9 49.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 4.04 ng

RT: 13.03 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:216 Resp: 10810

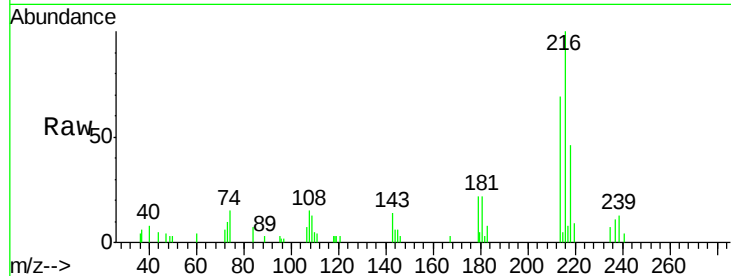
Ion Ratio Lower Upper

216 100

214 74.5 62.2 93.2

179 20.7 16.7 25.1

108 18.0 14.0 21.0

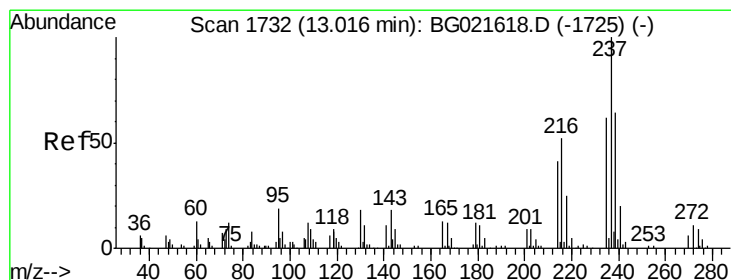
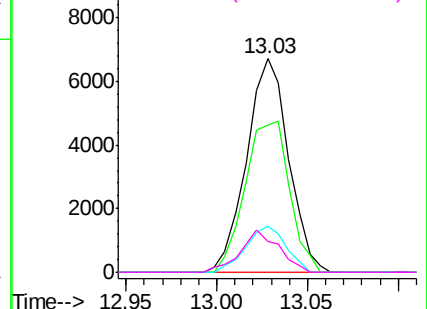
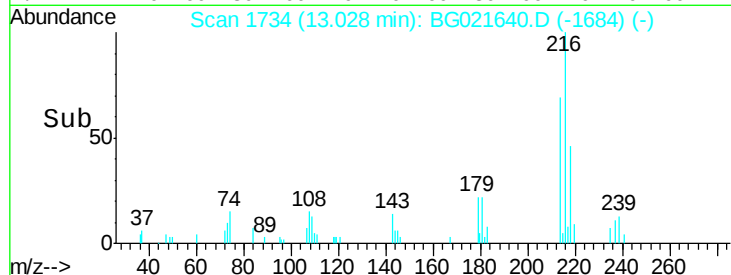


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 3.70 ng

RT: 13.01 min Scan# 1731

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

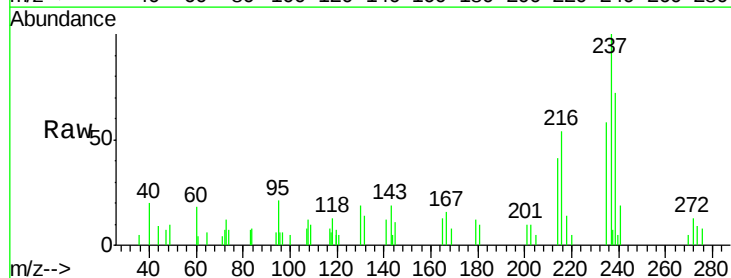
Tgt Ion:237 Resp: 5505

Ion Ratio Lower Upper

237 100

235 57.6 43.2 83.2

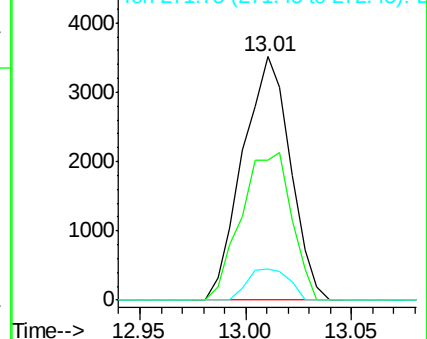
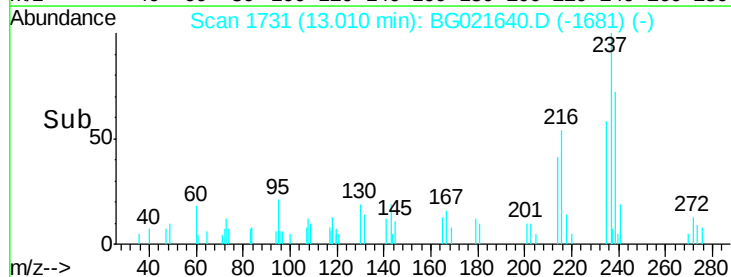
272 12.8 0.0 33.4

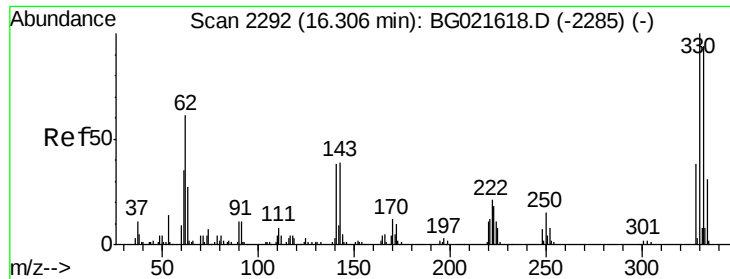


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

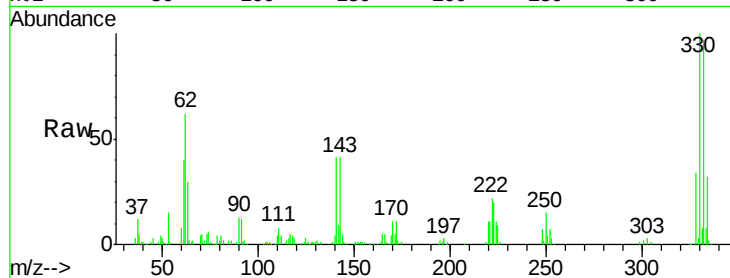




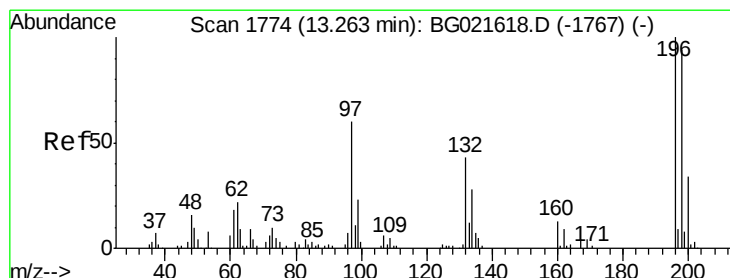
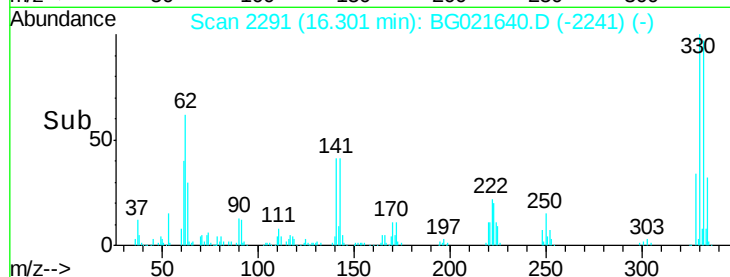
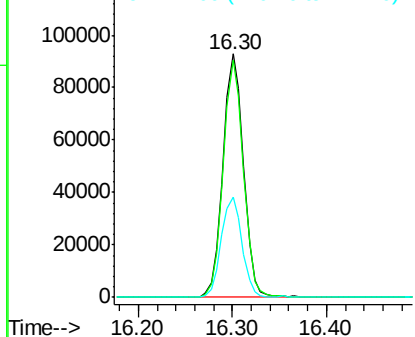
#41
 2,4,6-Tribromophenol
 Concen: 153.24 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:330 Resp: 141440
 Ion Ratio Lower Upper
 330 100
 332 95.9 78.0 117.0
 141 41.9 33.8 50.8

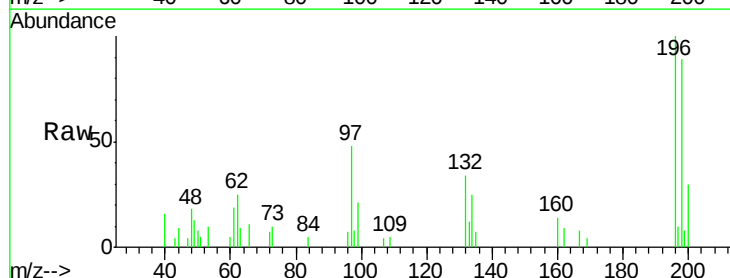


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

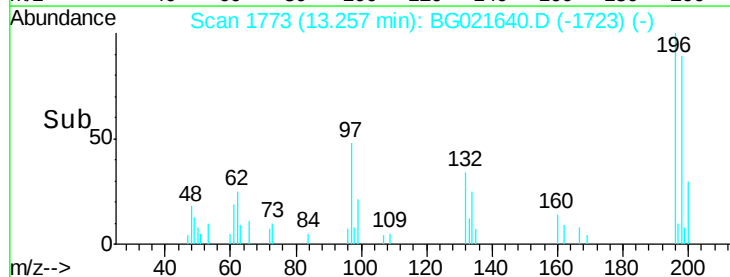
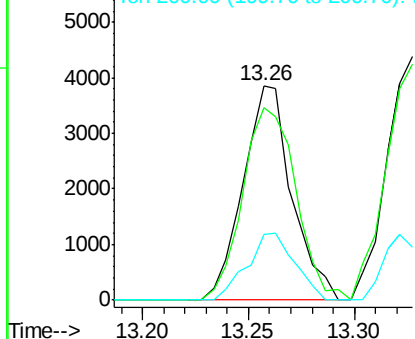


#42
 2,4,6-Trichlorophenol
 Concen: 3.62 ng
 RT: 13.26 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Tgt Ion:196 Resp: 6176
 Ion Ratio Lower Upper
 196 100
 198 89.4 80.1 120.1
 200 30.3 24.1 36.1



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

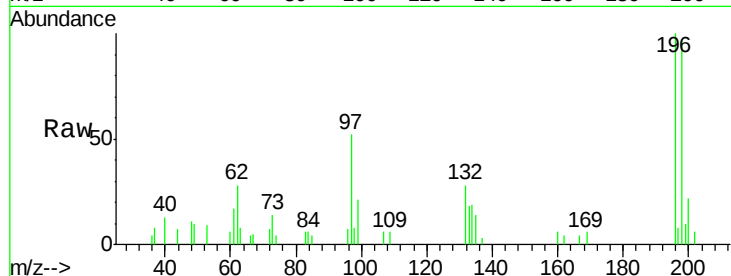




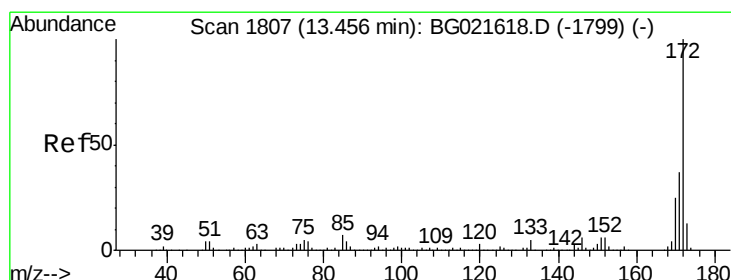
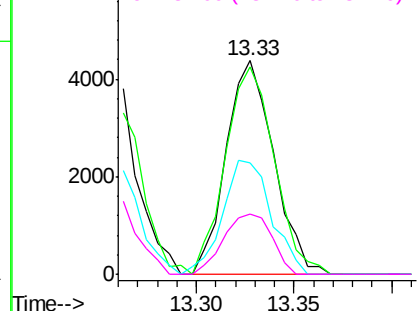
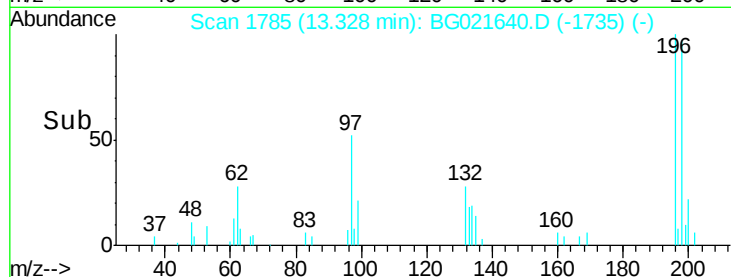
#43
 2,4,5-Trichlorophenol
 Concen: 4.03 ng
 RT: 13.33 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:	196	Resp:	7418
Ion	Ratio	Lower	Upper
196	100		
198	97.1	78.0	117.0
97	52.1	43.0	64.6
132	28.4	23.0	34.4

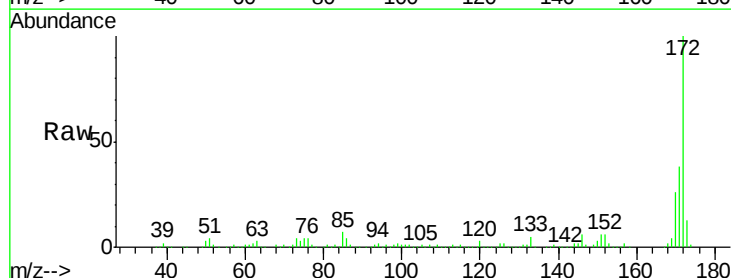


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BG
 Ion 132.00 (131.70 to 132.70): E

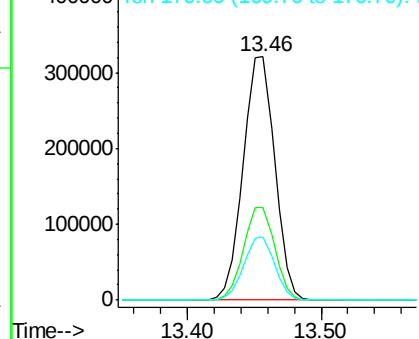
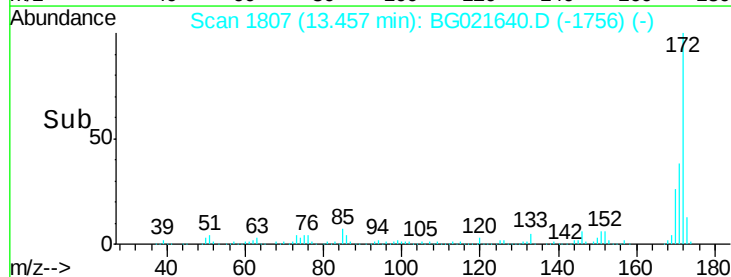


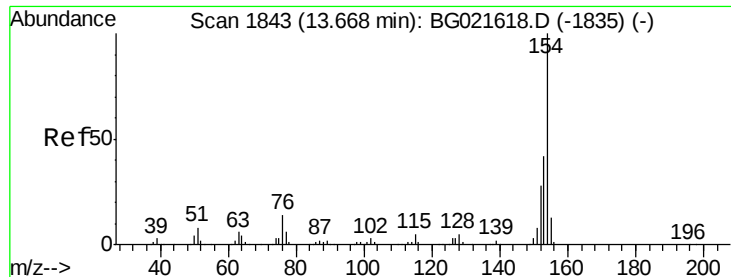
#44
 2-Fluorobiphenyl
 Concen: 89.84 ng
 RT: 13.46 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Tgt Ion:	172	Resp:	525120
Ion	Ratio	Lower	Upper
172	100		
171	38.0	27.8	41.6
170	25.8	19.6	29.4



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

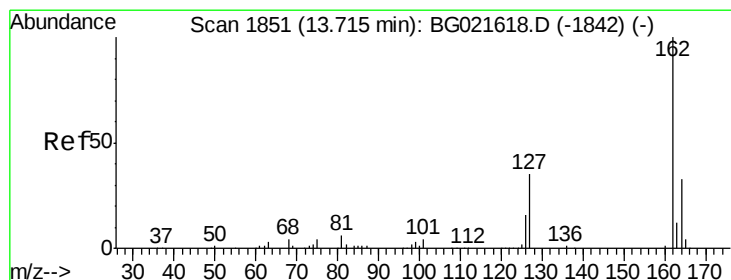
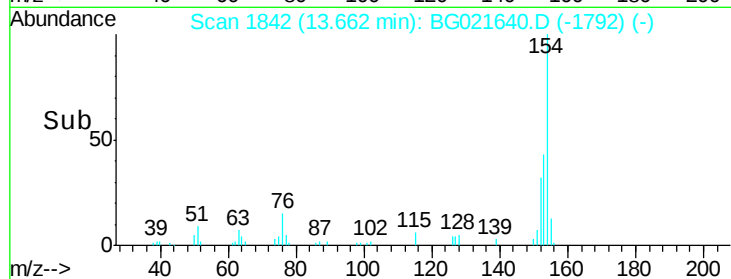
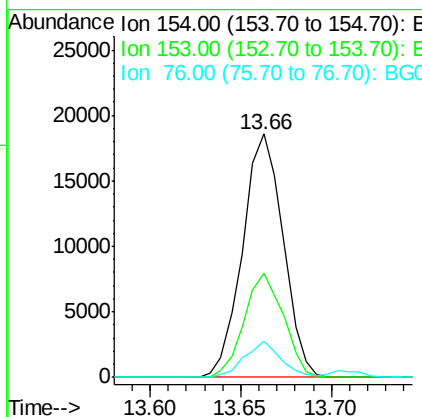
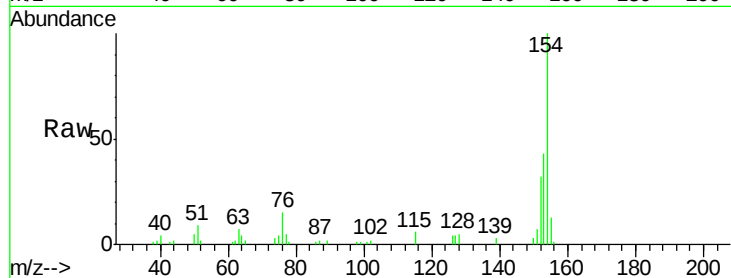




#45
 1,1'-Biphenyl
 Concen: 4.00 ng
 RT: 13.66 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

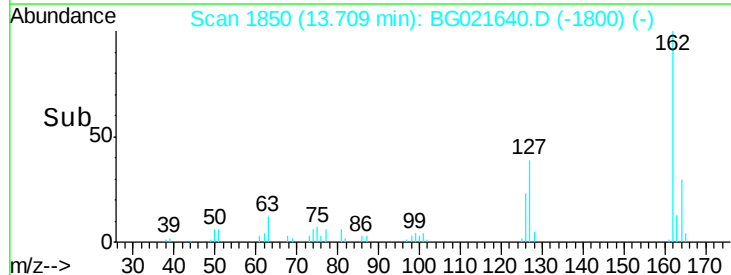
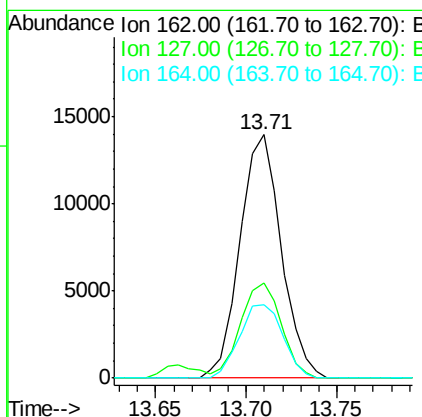
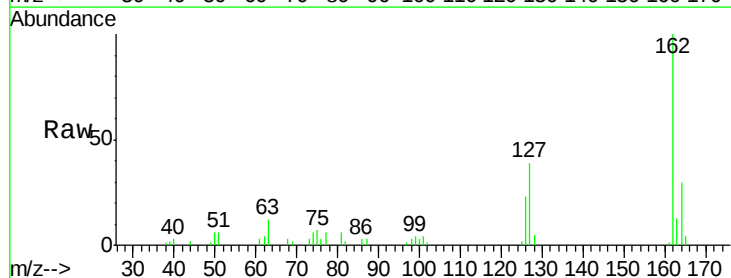
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

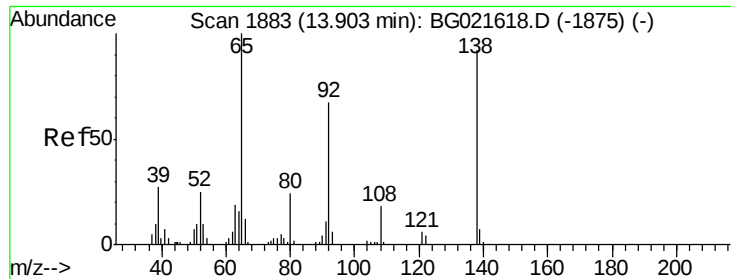
Tgt Ion:154 Resp: 28848
 Ion Ratio Lower Upper
 154 100
 153 42.9 19.7 59.7
 76 14.8 0.0 33.0



#46
 2-Chloronaphthalene
 Concen: 4.14 ng
 RT: 13.71 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Tgt Ion:162 Resp: 22098
 Ion Ratio Lower Upper
 162 100
 127 38.8 32.0 48.0
 164 30.0 27.0 40.4





#47

2-Nitroaniline

Concen: 3.99 ng

RT: 13.90 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

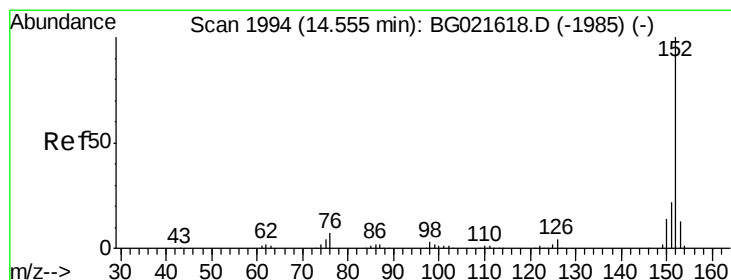
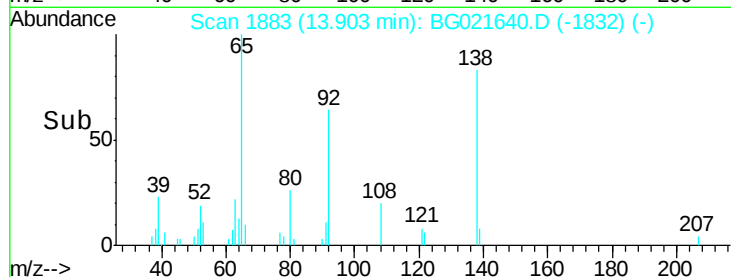
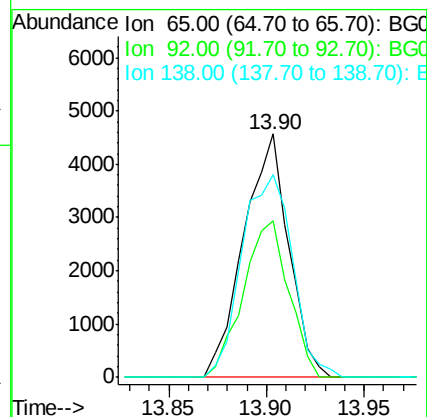
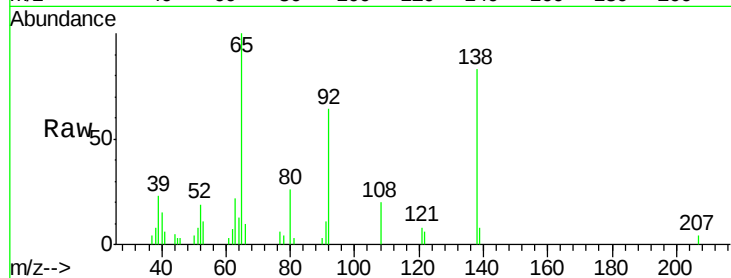
Tgt Ion: 65 Resp: 7295

Ion Ratio Lower Upper

65 100

92 64.1 49.2 73.8

138 83.3 75.0 112.6



#48

Acenaphthylene

Concen: 4.13 ng

RT: 14.55 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

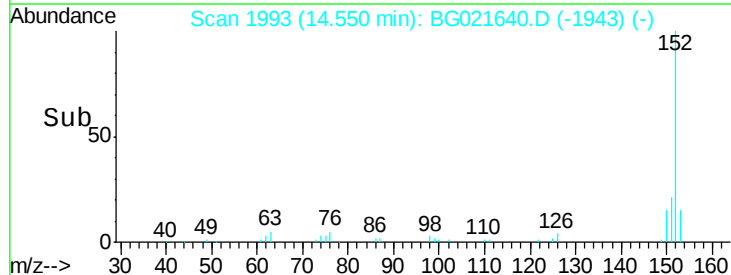
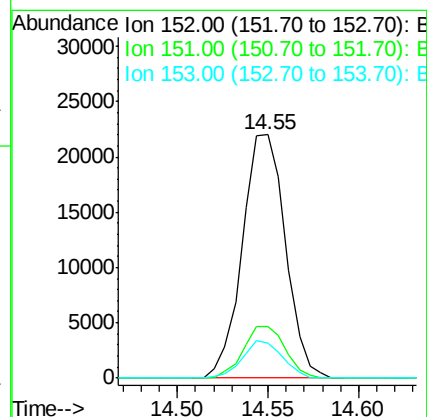
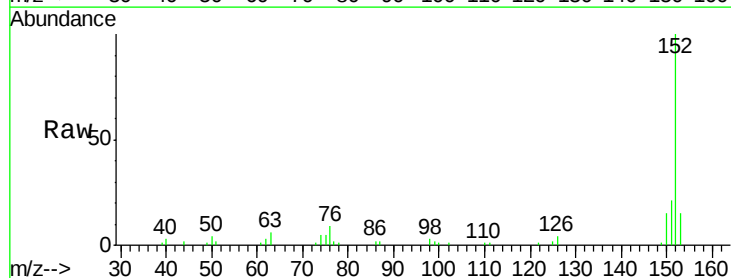
Tgt Ion: 152 Resp: 36405

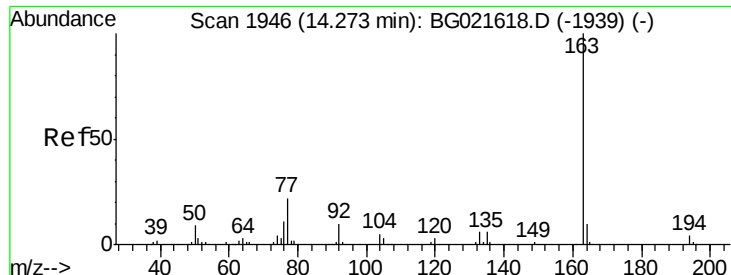
Ion Ratio Lower Upper

152 100

151 21.1 16.6 24.8

153 14.6 10.2 15.2





#49

Dimethylphthalate

Concen: 4.10 ng

RT: 14.27 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

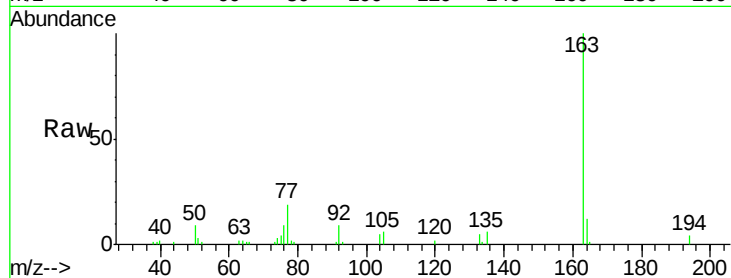
Tgt Ion:163 Resp: 30374

Ion Ratio Lower Upper

163 100

194 4.5 3.0 4.6

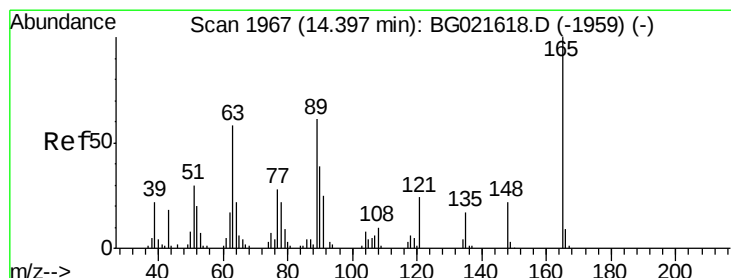
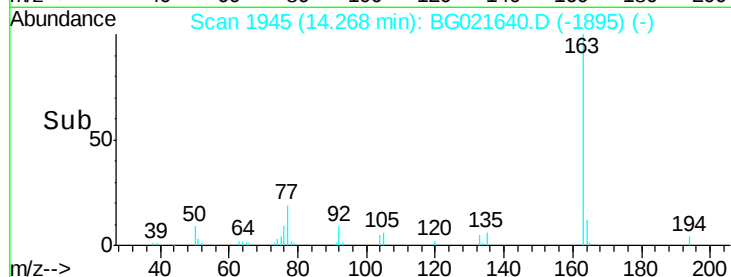
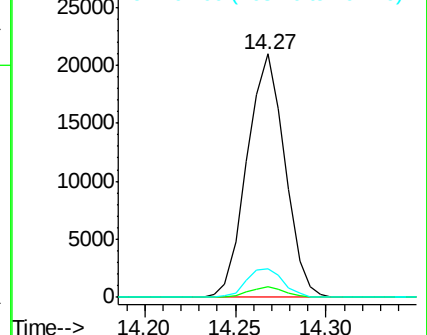
164 11.7 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 4.09 ng

RT: 14.39 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

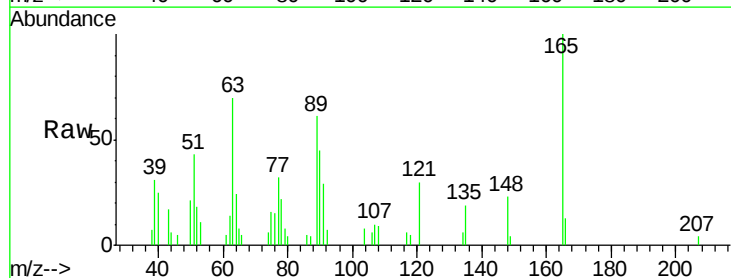
Tgt Ion:165 Resp: 5778

Ion Ratio Lower Upper

165 100

63 70.0 48.2 72.4

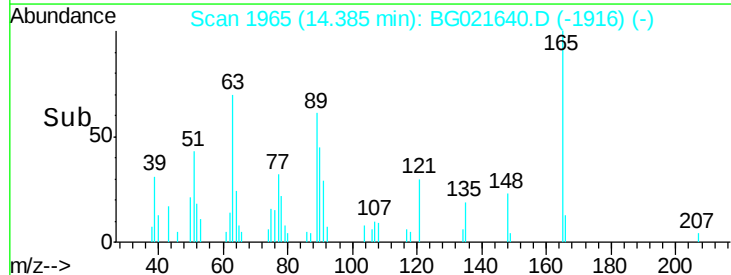
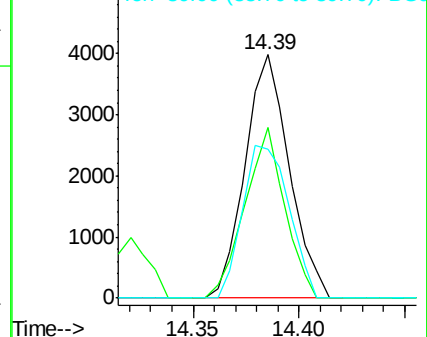
89 61.2 45.3 67.9

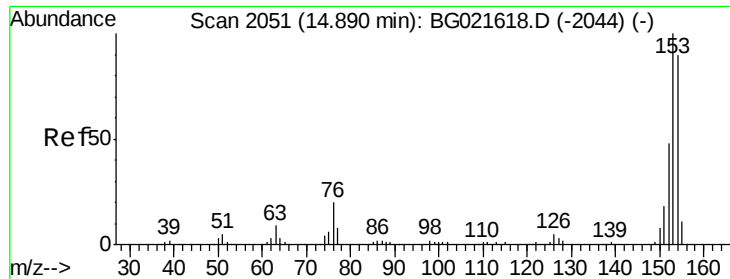


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#51

Acenaphthene

Concen: 4.17 ng

RT: 14.88 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

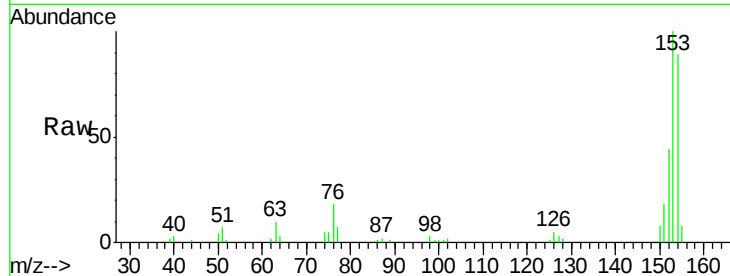
Tgt Ion:154 Resp: 23531

Ion Ratio Lower Upper

154 100

153 112.2 91.9 137.9

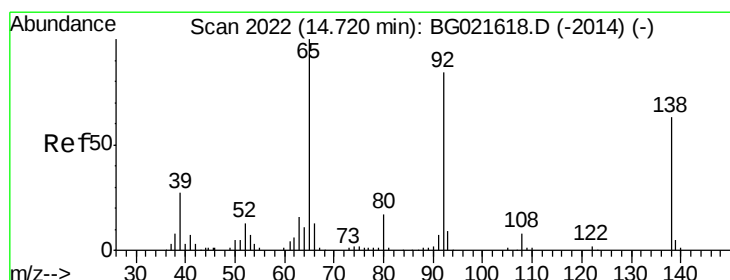
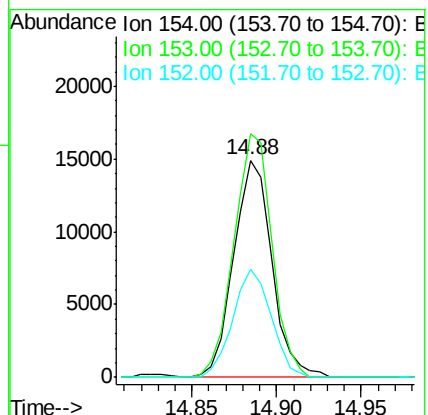
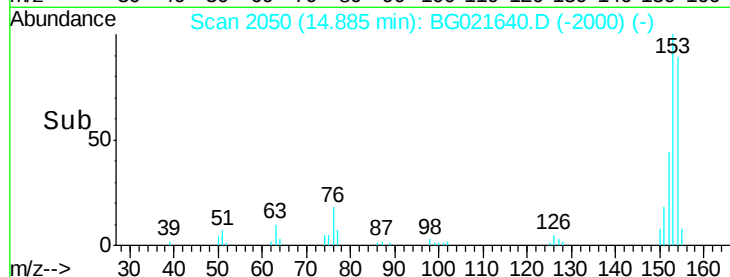
152 49.8 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 4.05 ng

RT: 14.71 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

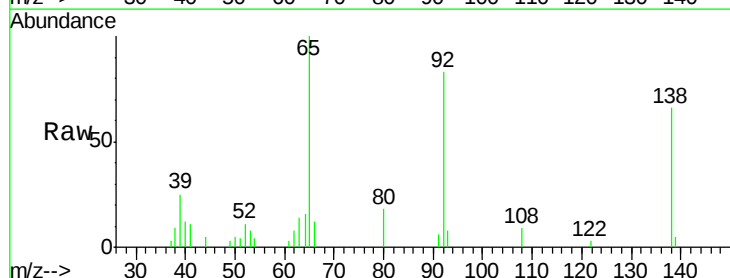
Tgt Ion:138 Resp: 6338

Ion Ratio Lower Upper

138 100

108 14.1 9.1 13.7#

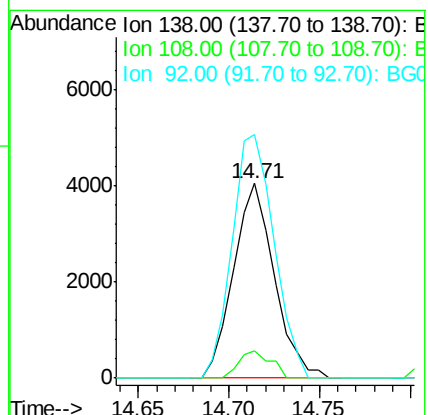
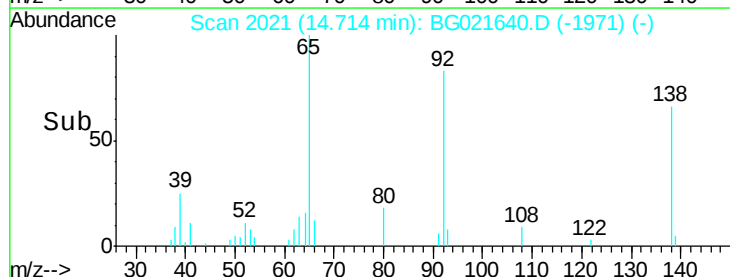
92 125.2 102.6 154.0

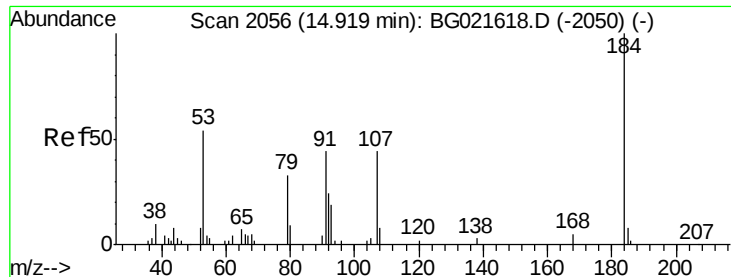


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

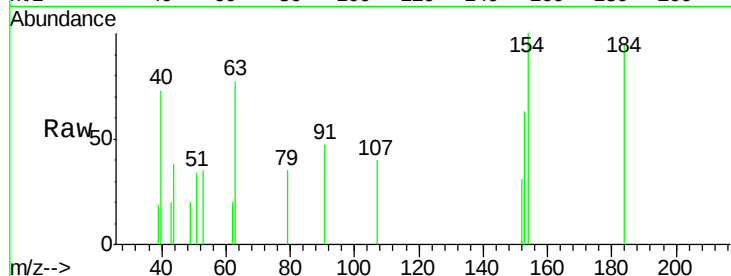




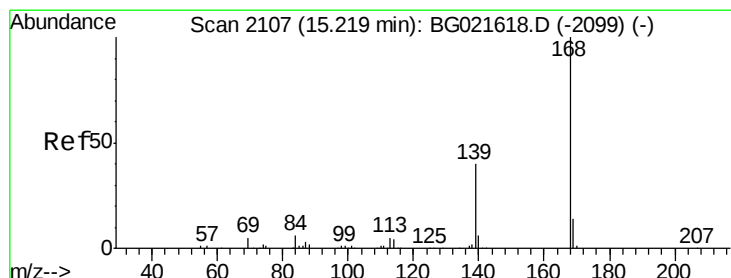
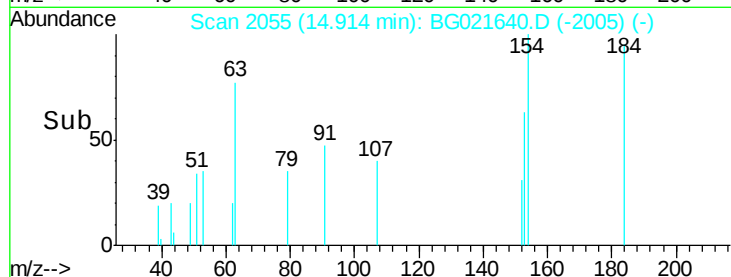
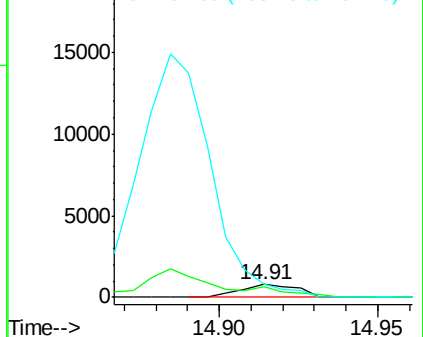
#53
2,4-Dinitrophenol
Concen: 9.09 ng
RT: 14.91 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:184 Resp: 980
Ion Ratio Lower Upper
184 100
63 81.3 57.3 85.9
154 105.5 55.2 82.8#

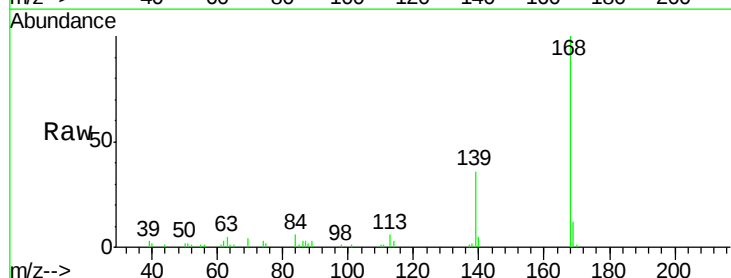


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

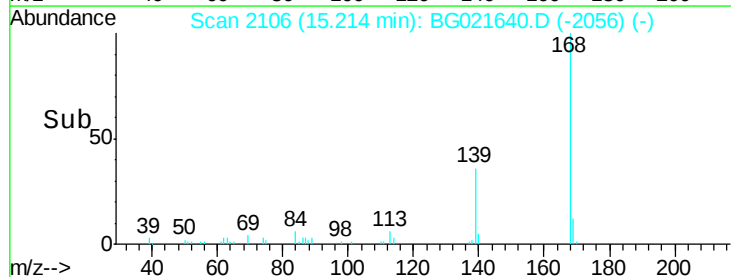
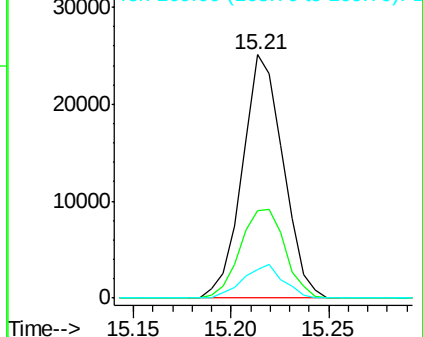


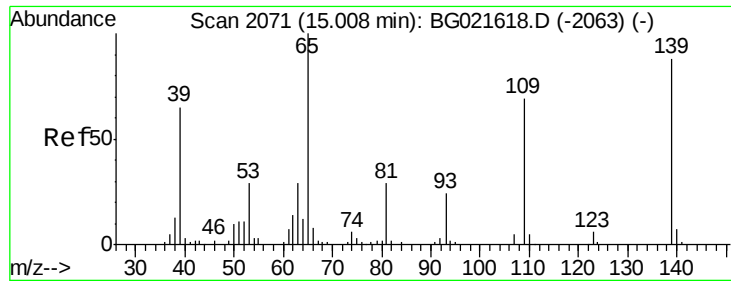
#54
Dibenzofuran
Concen: 4.70 ng
RT: 15.21 min Scan# 2106
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Tgt Ion:168 Resp: 36175
Ion Ratio Lower Upper
168 100
139 36.0 31.1 46.7
169 12.0 11.0 16.6



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

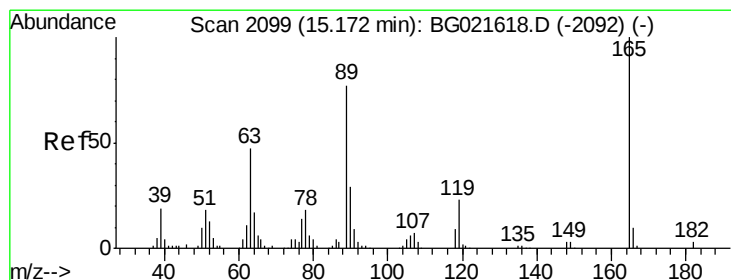
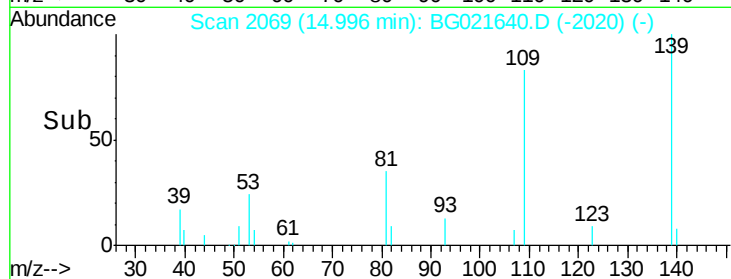
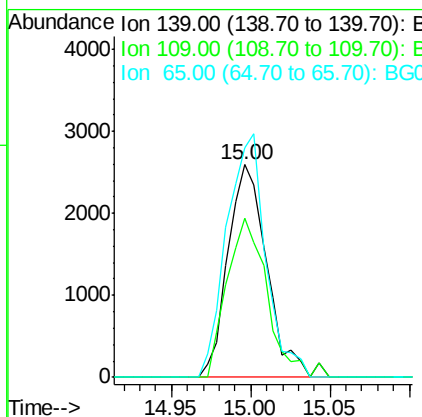
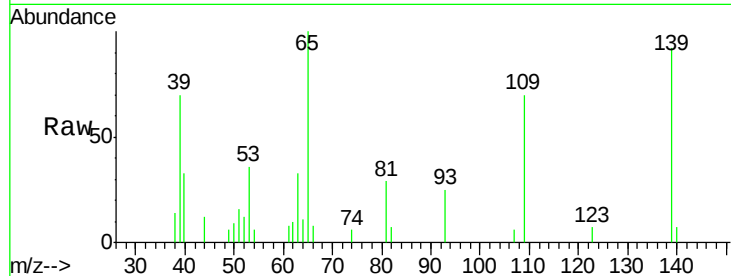




#55
4-Nitrophenol
Concen: 3.30 ng
RT: 15.00 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

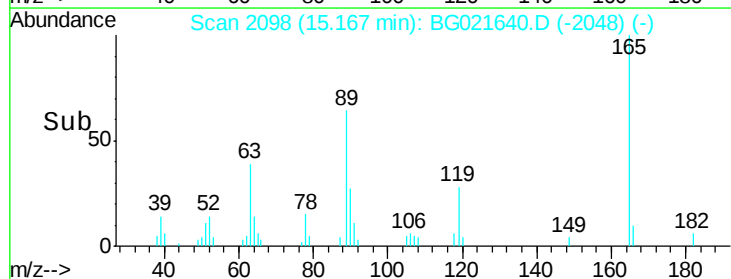
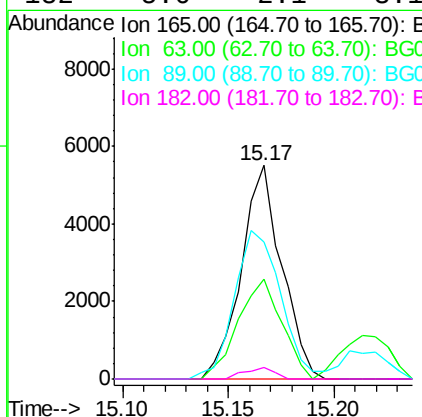
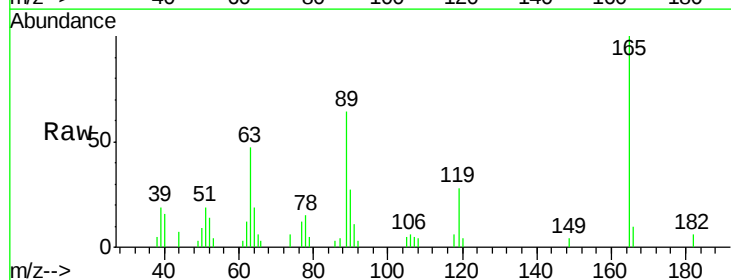
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

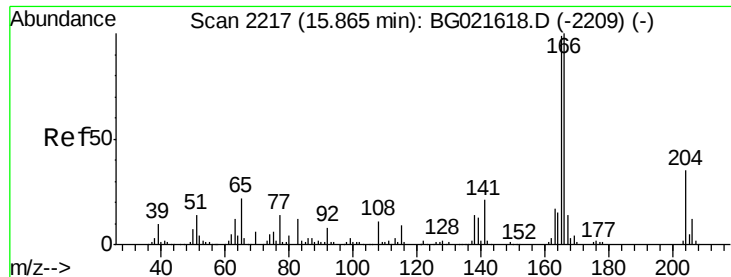
Tgt Ion:139 Resp: 4424
Ion Ratio Lower Upper
139 100
109 75.3 49.2 89.2
65 108.2 83.2 123.2



#56
2,4-Dinitrotoluene
Concen: 3.85 ng
RT: 15.17 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Tgt Ion:165 Resp: 7340
Ion Ratio Lower Upper
165 100
63 46.8 37.4 56.0
89 63.9 59.4 89.0
182 5.6 2.1 3.1#





#57

Fluorene

Concen: 4.49 ng

RT: 15.86 min Scan# 2216

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

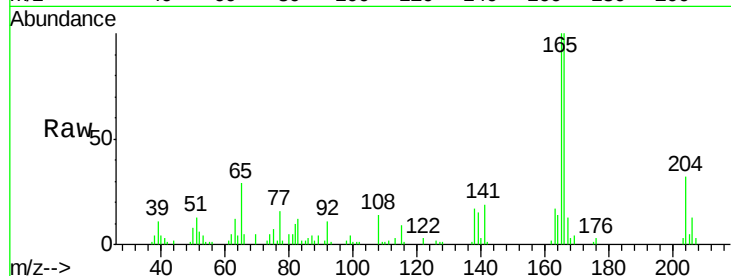
Tgt Ion:166 Resp: 30862

Ion Ratio Lower Upper

166 100

165 100.3 79.0 118.4

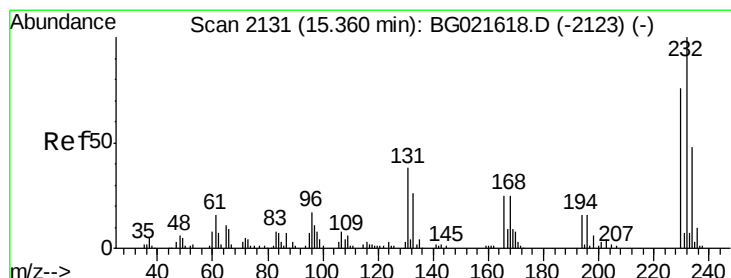
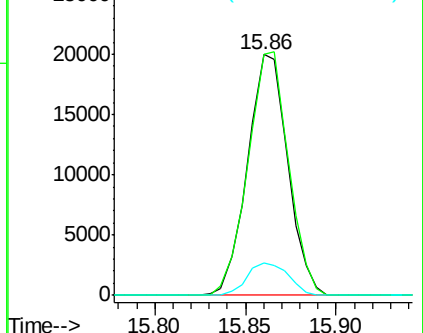
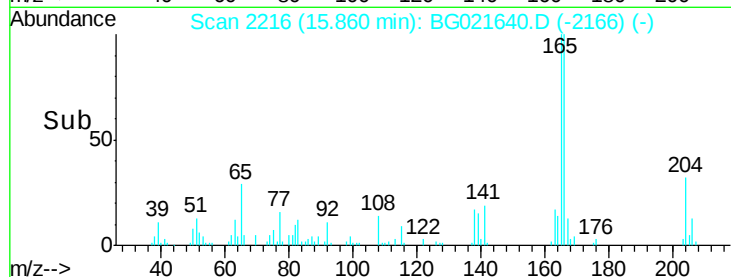
167 13.4 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 4.21 ng

RT: 15.44 min Scan# 2144

Delta R.T. 0.00 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Tgt Ion:232 Resp: 6437

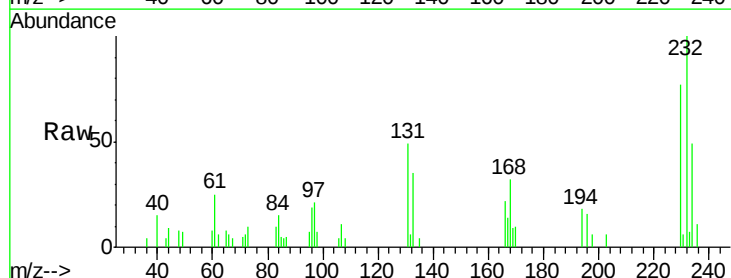
Ion Ratio Lower Upper

232 100

131 45.8 36.3 54.5

130 0.9 1.9 2.9#

166 30.7 25.0 37.4

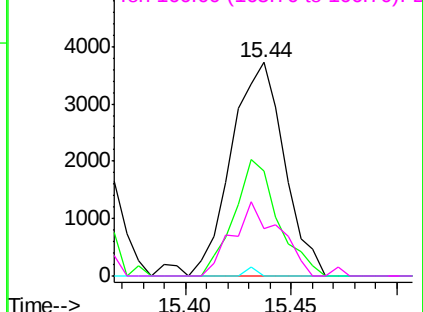
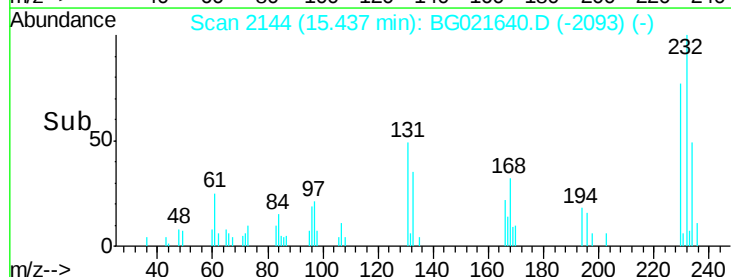


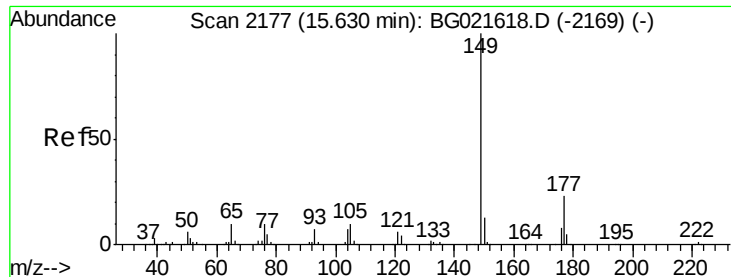
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

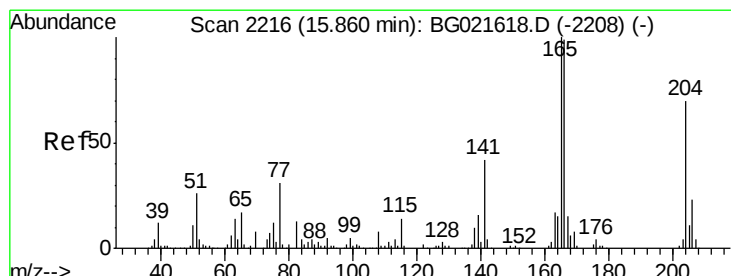
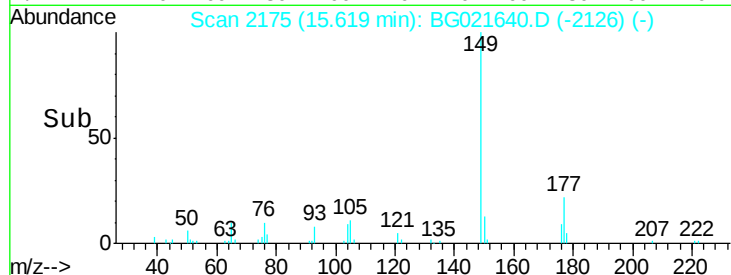
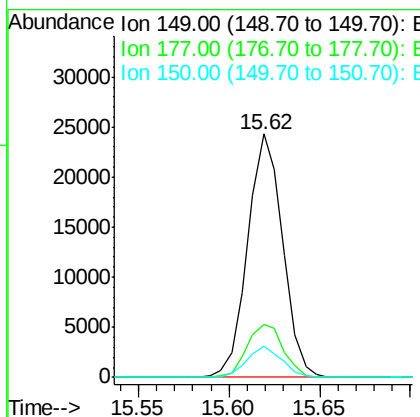
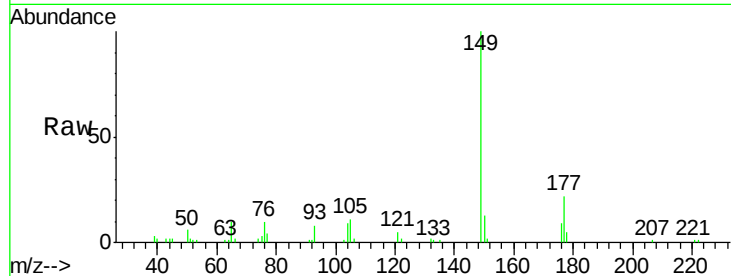




#59
Diethylphthalate
Concen: 4.23 ng
RT: 15.62 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

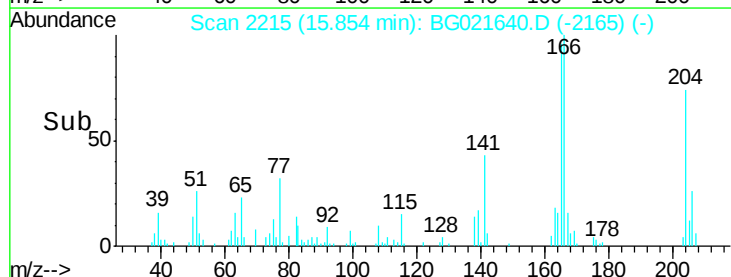
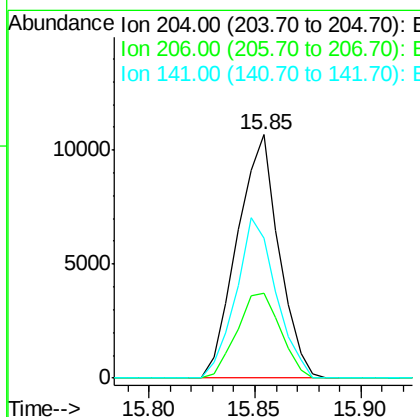
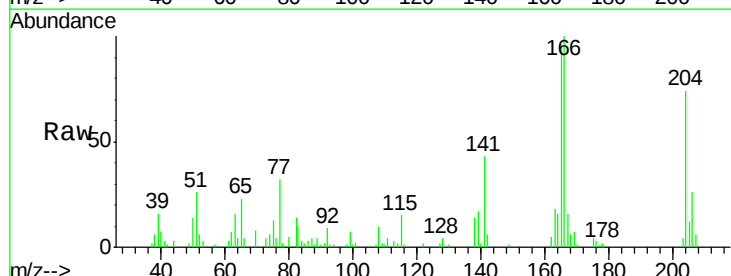
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:149 Resp: 32727
Ion Ratio Lower Upper
149 100
177 22.0 17.3 25.9
150 12.5 9.7 14.5



#60
4-Chlorophenyl-phenylether
Concen: 4.32 ng
RT: 15.85 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Tgt Ion:204 Resp: 14629
Ion Ratio Lower Upper
204 100
206 35.1 27.8 41.8
141 57.6 51.0 76.4

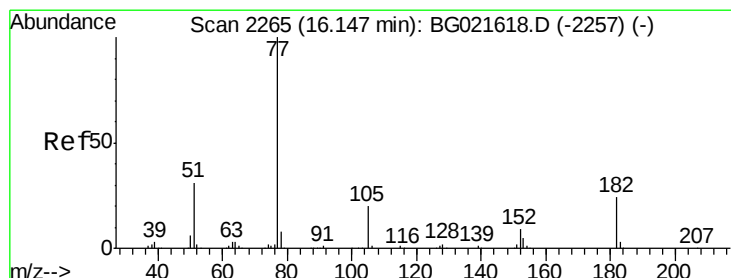
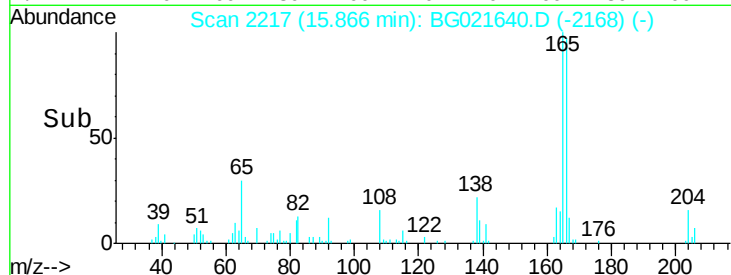
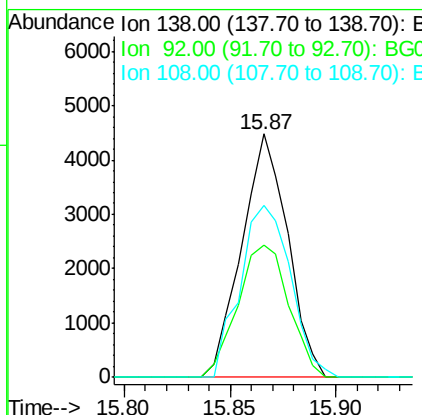
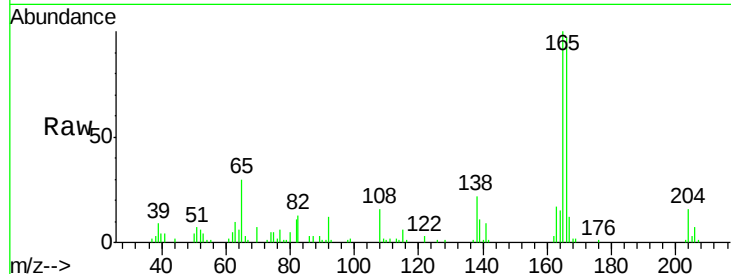




#61
4-Nitroaniline
Concen: 3.92 ng
RT: 15.87 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

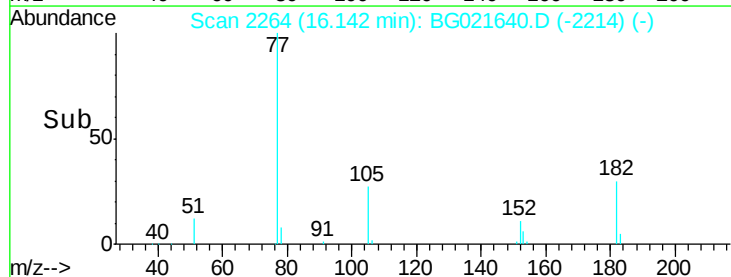
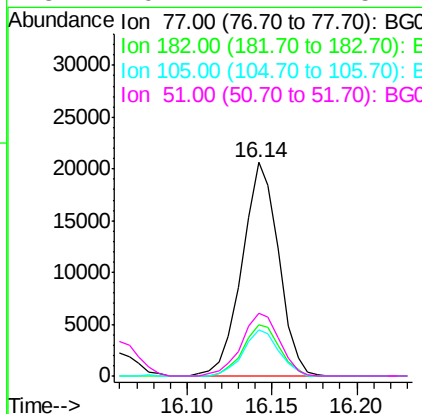
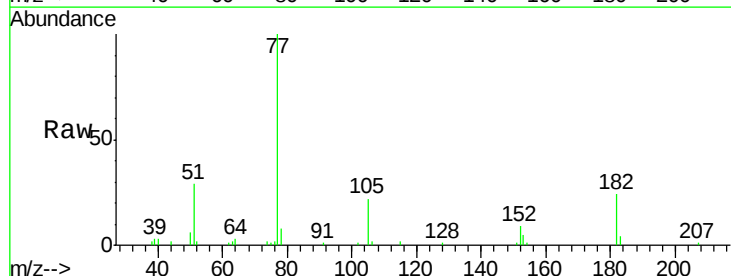
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

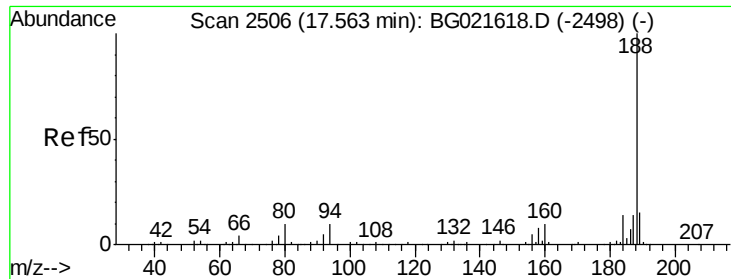
Tgt Ion:138 Resp: 6755
Ion Ratio Lower Upper
138 100
92 54.1 37.7 77.7
108 70.9 59.4 99.4



#62
Azobenzene
Concen: 4.70 ng
RT: 16.14 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Tgt Ion: 77 Resp: 31118
Ion Ratio Lower Upper
77 100
182 23.9 4.1 44.1
105 21.6 0.0 39.8
51 29.4 11.1 51.1

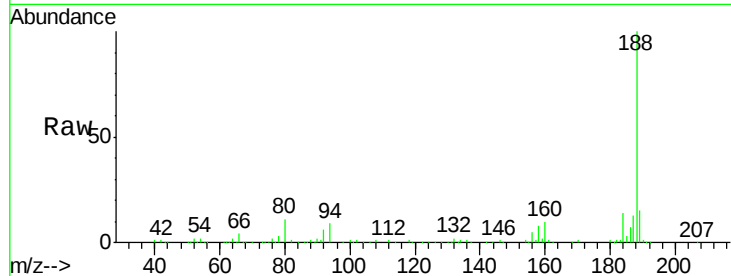




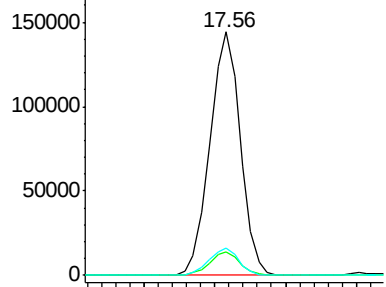
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

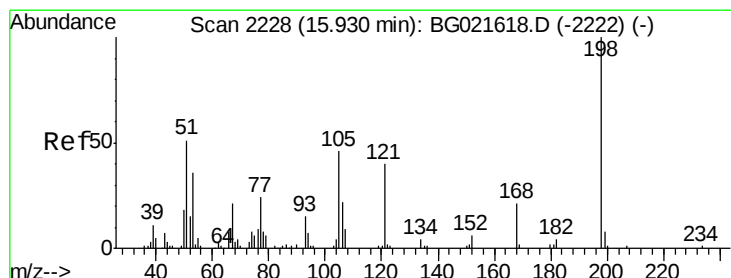
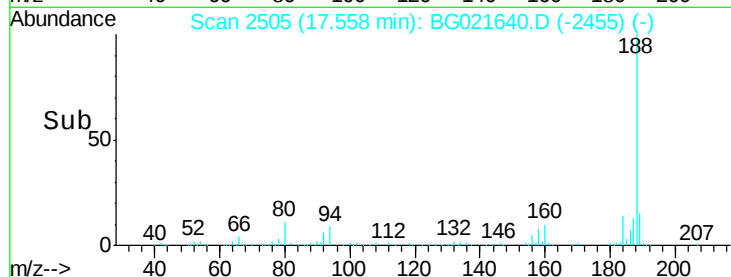
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.5	11.3
80	11.1	8.6	13.0



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

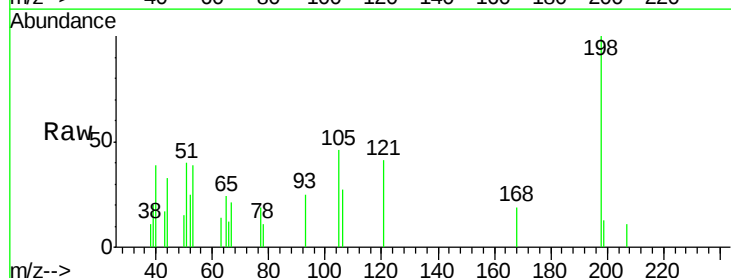


Time-->

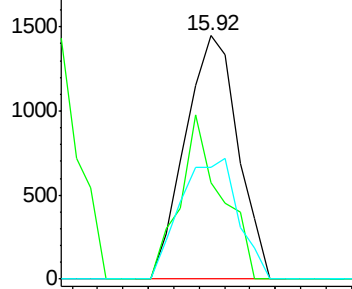


#64
4,6-Dinitro-2-methylphenol
Concen: 7.46 ng
RT: 15.92 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

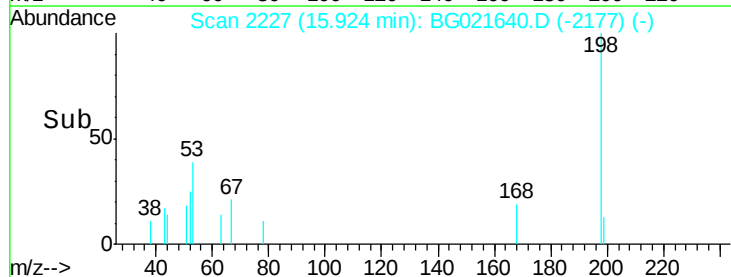
Tgt Ion	Ratio	Lower	Upper
198	100		
51	39.6	29.2	69.2
105	46.0	24.0	64.0

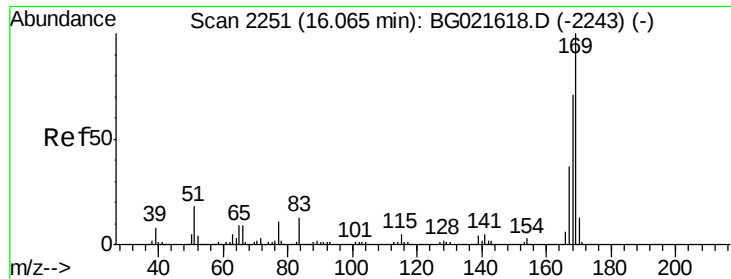


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E



Time-->

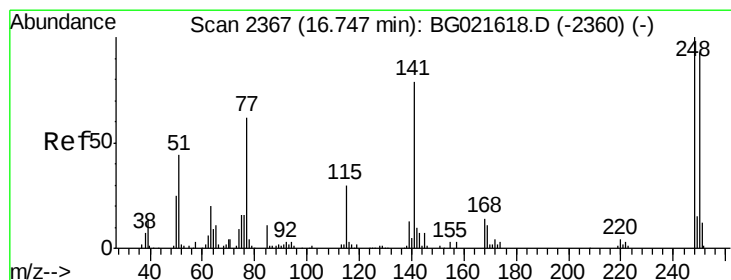
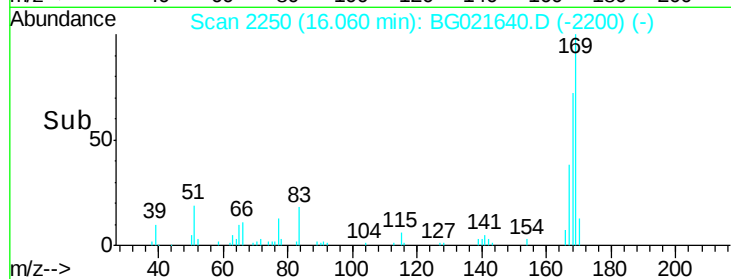
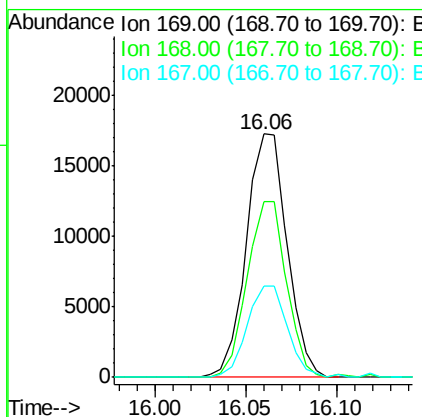
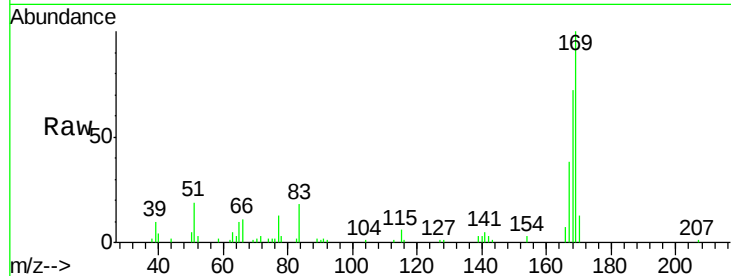




#65
n-Nitrosodiphenylamine
Concen: 4.14 ng
RT: 16.06 min Scan# 2250
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

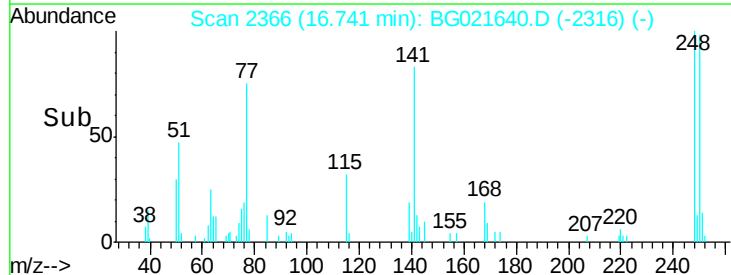
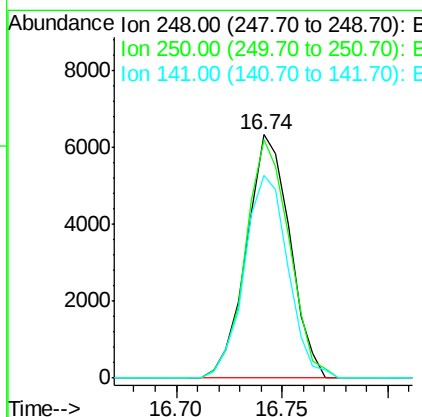
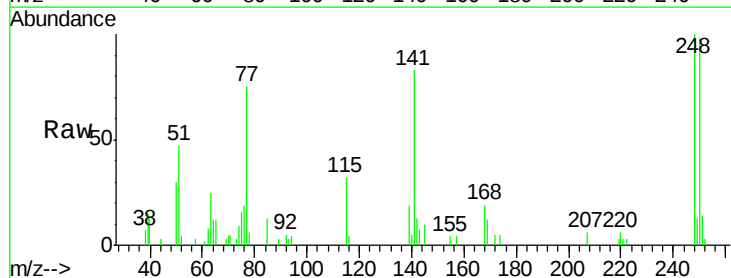
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

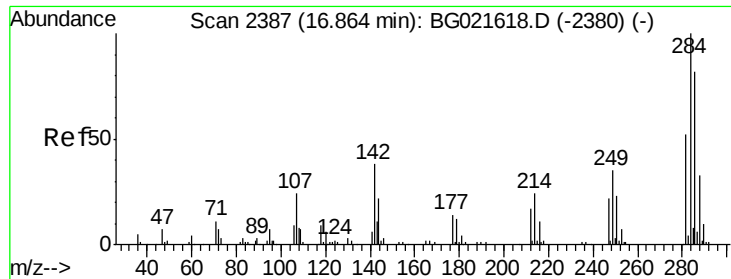
Tgt Ion:169 Resp: 26951
Ion Ratio Lower Upper
169 100
168 72.3 59.6 89.4
167 37.7 31.2 46.8



#66
4-Bromophenyl-phenylether
Concen: 3.89 ng
RT: 16.74 min Scan# 2366
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Tgt Ion:248 Resp: 9048
Ion Ratio Lower Upper
248 100
250 97.8 76.6 114.8
141 83.5 63.8 95.6





#67

Hexachlorobenzene

Concen: 4.14 ng

RT: 16.86 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

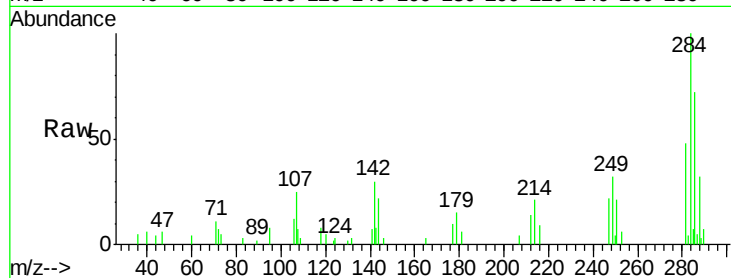
Tgt Ion:284 Resp: 10176

Ion Ratio Lower Upper

284 100

142 30.0 31.8 47.6#

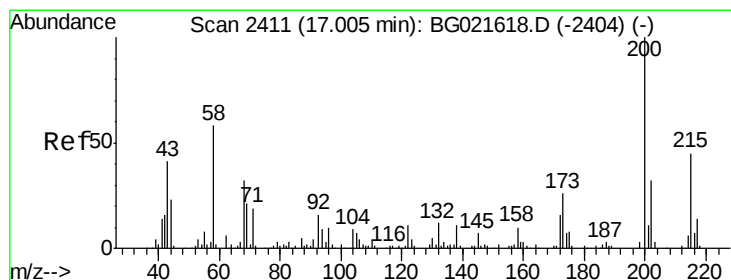
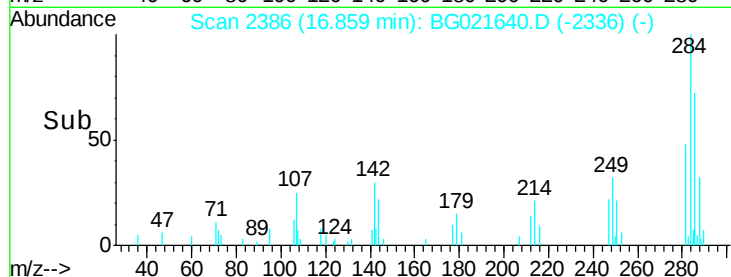
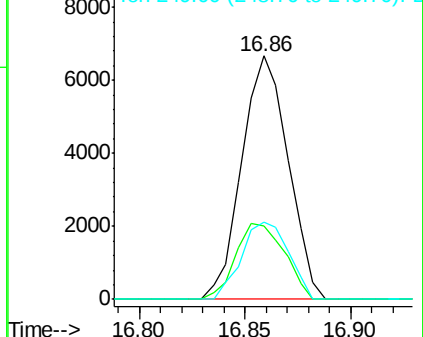
249 35.4 27.3 40.9



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 4.11 ng

RT: 16.99 min Scan# 2409

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

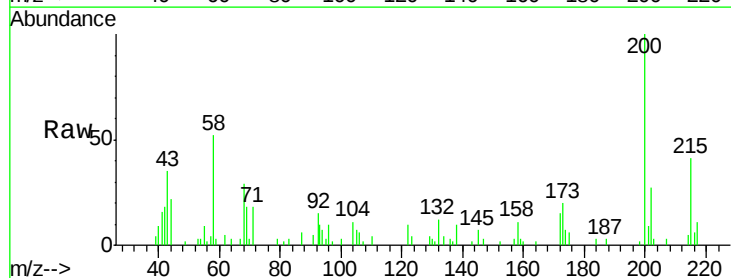
Tgt Ion:200 Resp: 10565

Ion Ratio Lower Upper

200 100

173 20.1 5.1 45.1

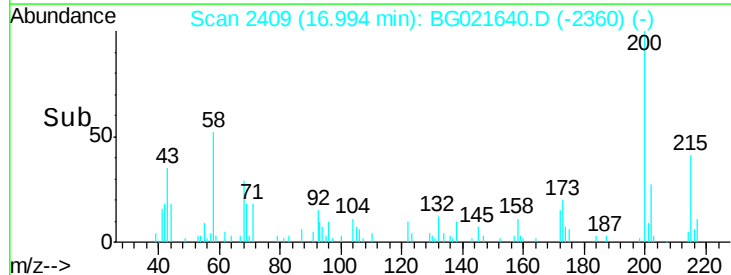
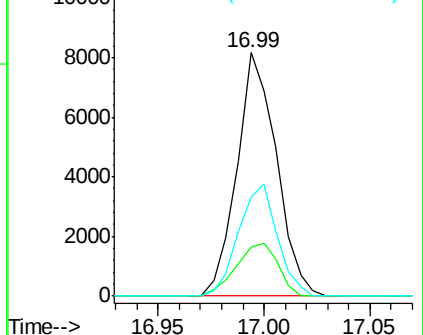
215 40.6 28.0 68.0

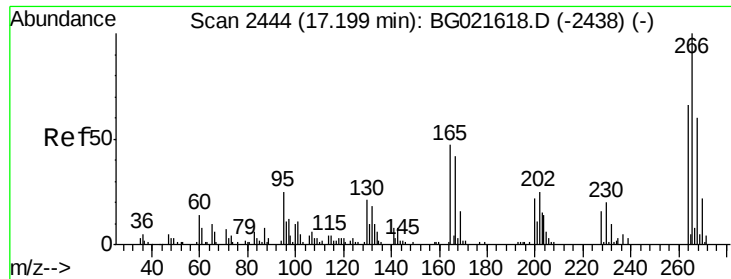


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

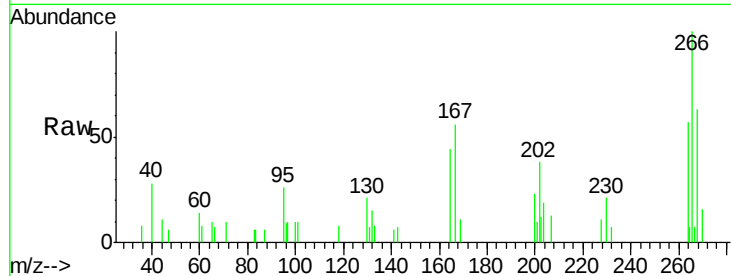




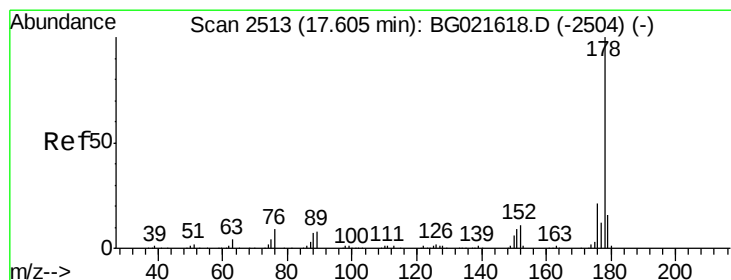
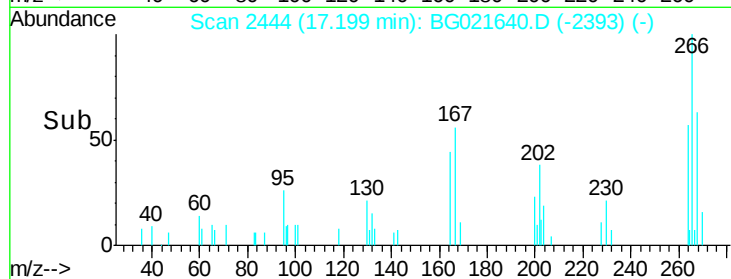
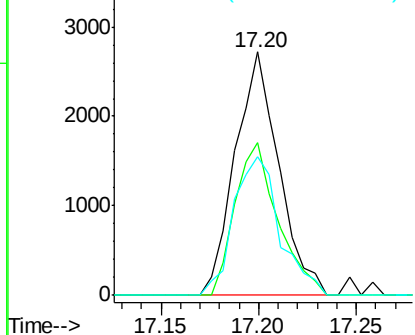
#69
 Pentachlorophenol
 Concen: 3.00 ng
 RT: 17.20 min Scan# 2444
 Delta R.T. 0.00 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion: 266 Resp: 4211
 Ion Ratio Lower Upper
 266 100
 268 62.7 54.5 81.7
 264 63.7 53.8 80.6

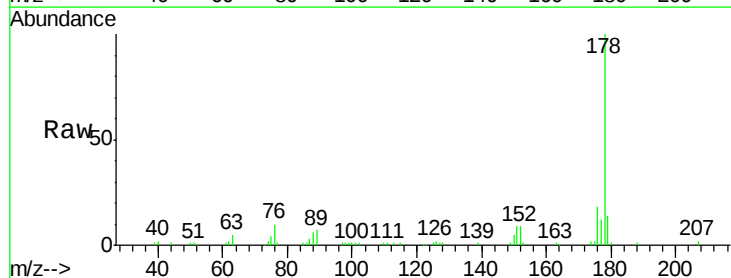


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

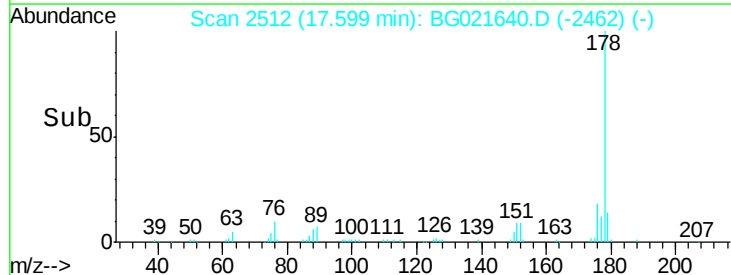
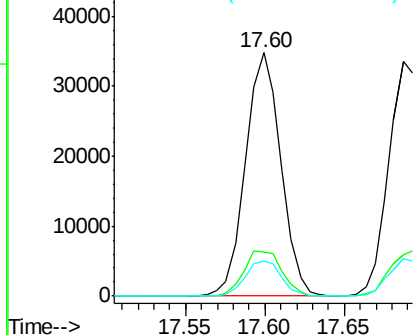


#70
 Phenanthrene
 Concen: 4.49 ng
 RT: 17.60 min Scan# 2512
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Tgt Ion: 178 Resp: 53802
 Ion Ratio Lower Upper
 178 100
 176 18.2 16.2 24.4
 179 14.4 12.0 18.0



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

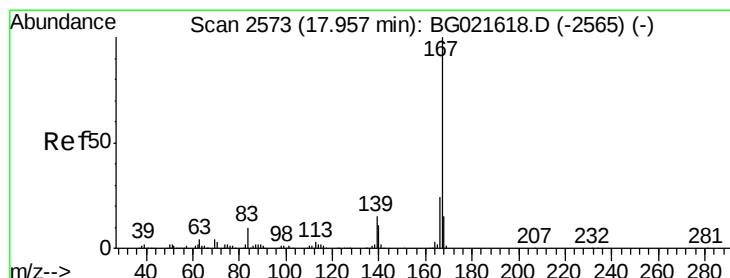
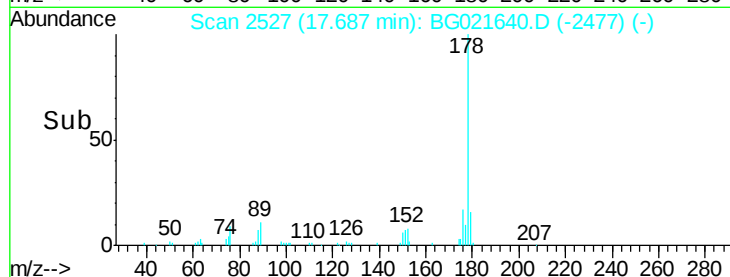
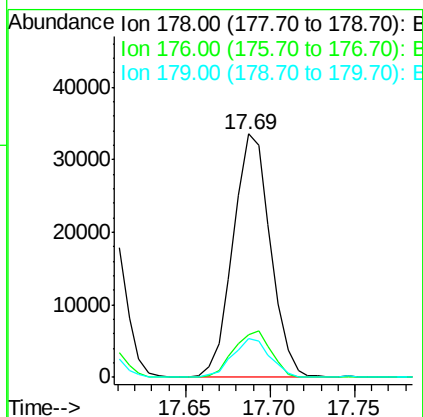
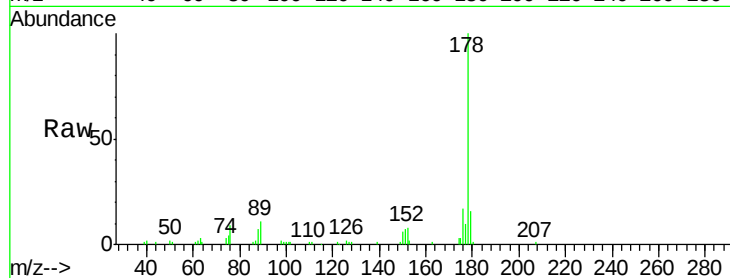




#71
 Anthracene
 Concen: 4.26 ng
 RT: 17.69 min Scan# 2527
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

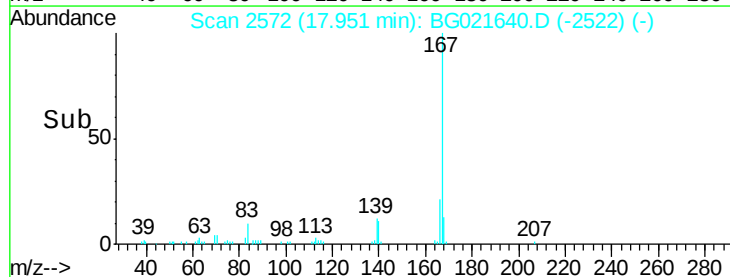
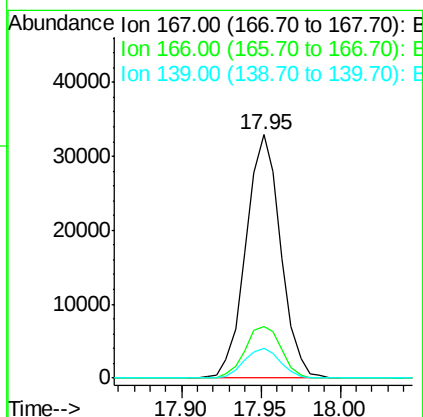
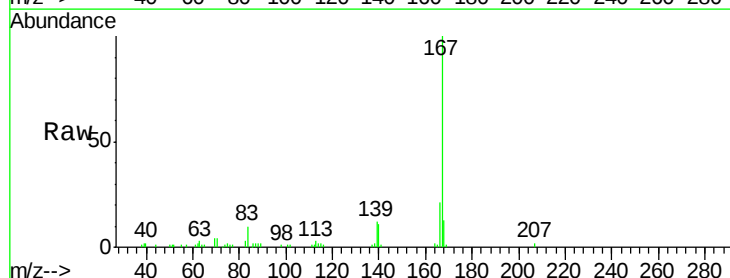
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

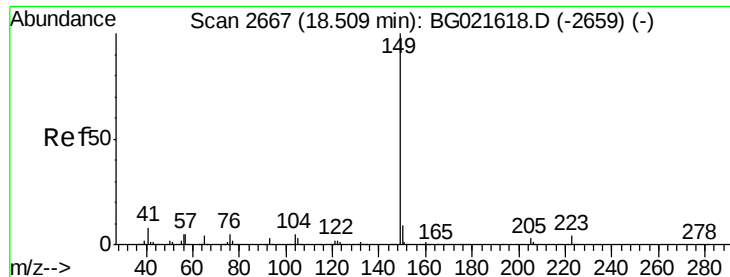
Tgt Ion:178 Resp: 51786
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.0 22.4
 179 15.9 12.2 18.4



#72
 Carbazole
 Concen: 4.41 ng
 RT: 17.95 min Scan# 2572
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Tgt Ion:167 Resp: 50014
 Ion Ratio Lower Upper
 167 100
 166 21.3 18.6 27.8
 139 12.2 10.6 15.8

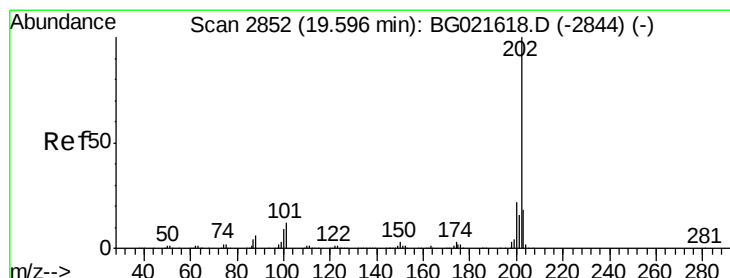
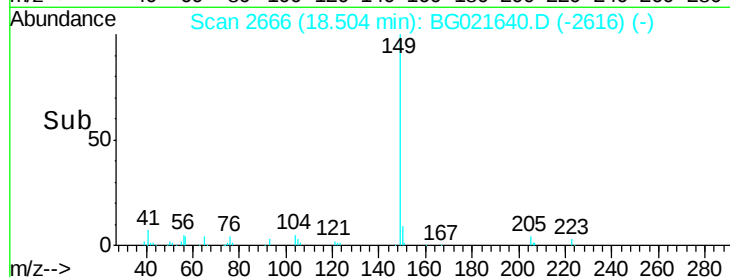
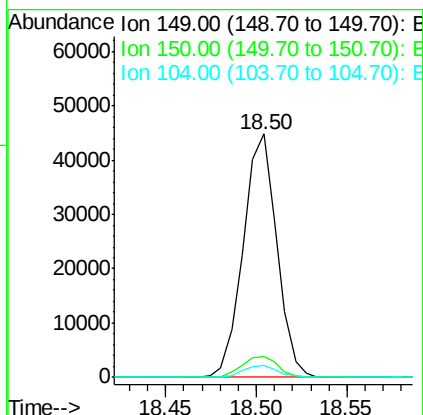
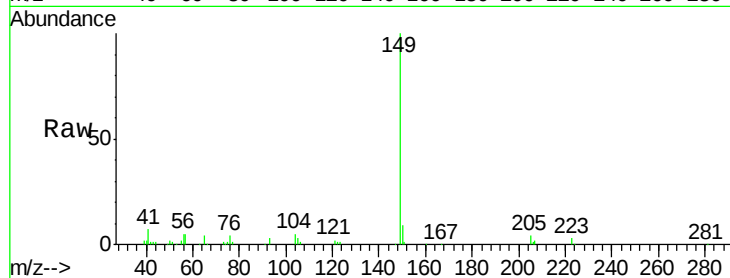




#73
Di-n-butylphthalate
Concen: 4.00 ng
RT: 18.50 min Scan# 2666
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

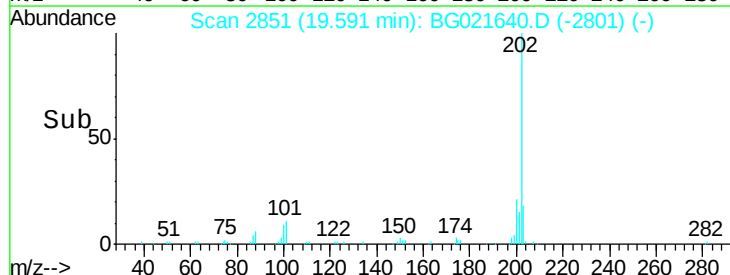
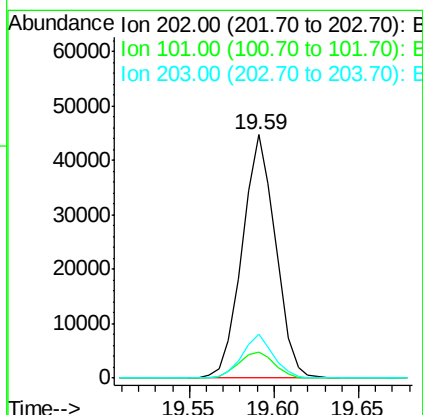
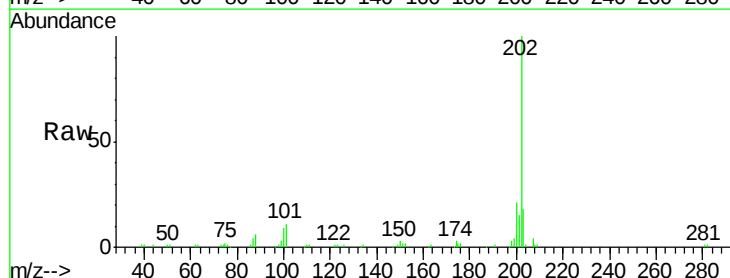
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

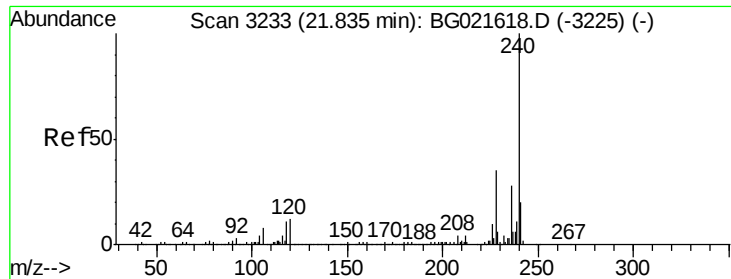
Tgt Ion:149 Resp: 57657
Ion Ratio Lower Upper
149 100
150 8.5 7.4 11.0
104 4.8 4.0 6.0



#74
Fluoranthene
Concen: 4.28 ng
RT: 19.59 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Tgt Ion:202 Resp: 61248
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.0
203 18.1 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.83 min Scan# 3232

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

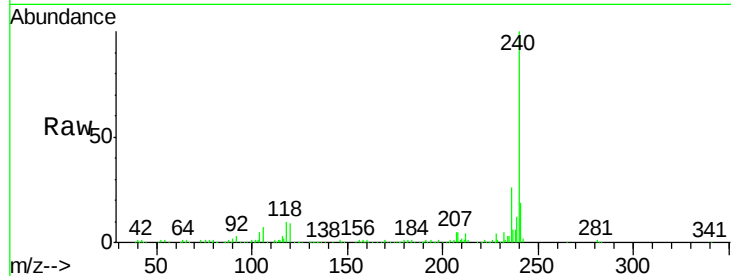
Tgt Ion:240 Resp: 245509

Ion Ratio Lower Upper

240 100

120 9.5 8.4 12.6

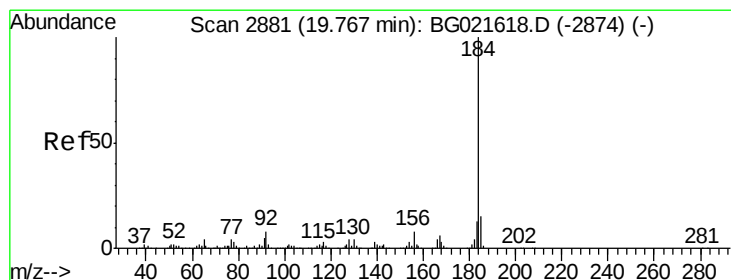
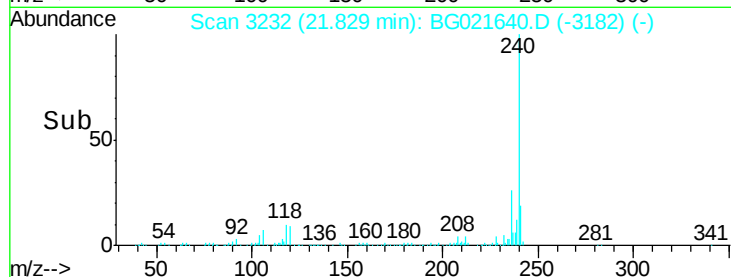
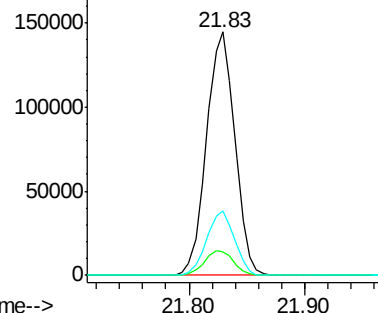
236 26.3 19.6 29.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 3.17 ng

RT: 19.76 min Scan# 2880

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

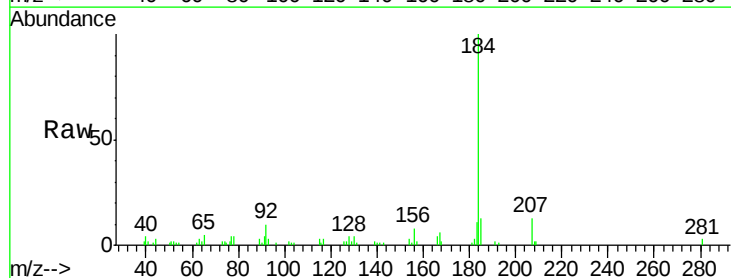
Tgt Ion:184 Resp: 24204

Ion Ratio Lower Upper

184 100

185 12.8 11.5 17.3

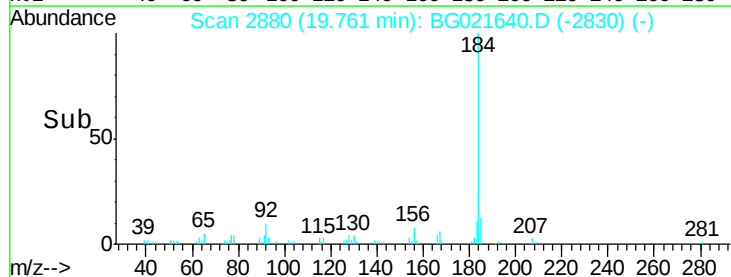
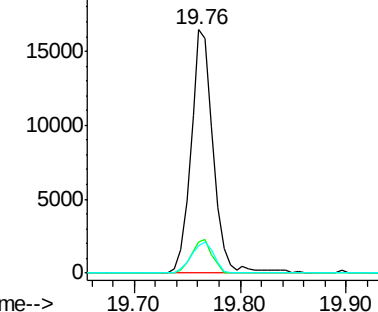
183 11.5 10.2 15.4

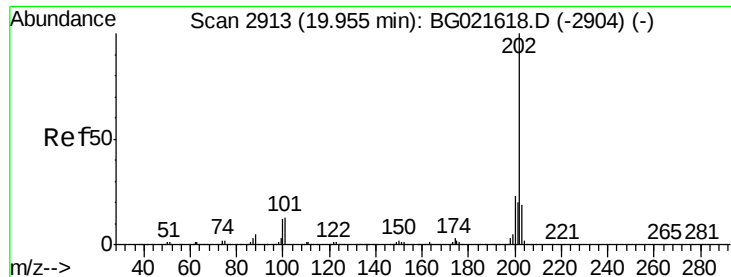


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 4.50 ng

RT: 19.95 min Scan# 2912

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

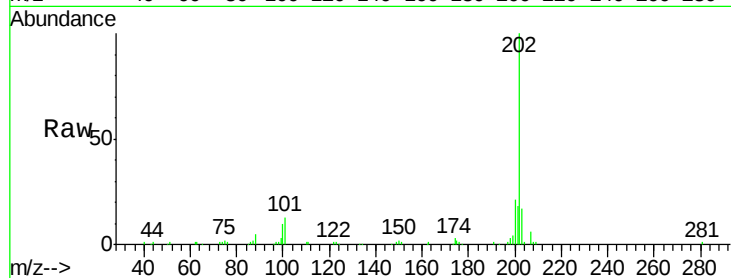
Tgt Ion:202 Resp: 63737

Ion Ratio Lower Upper

202 100

200 21.2 18.2 27.2

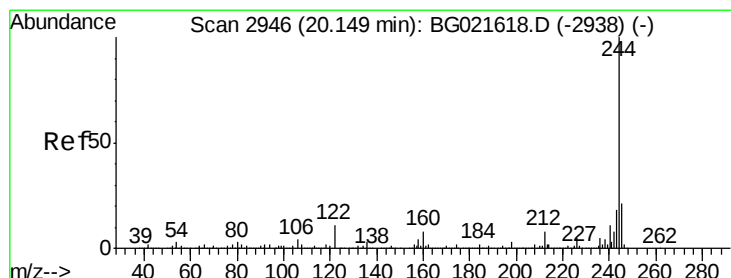
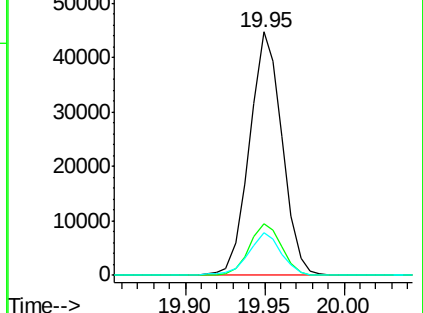
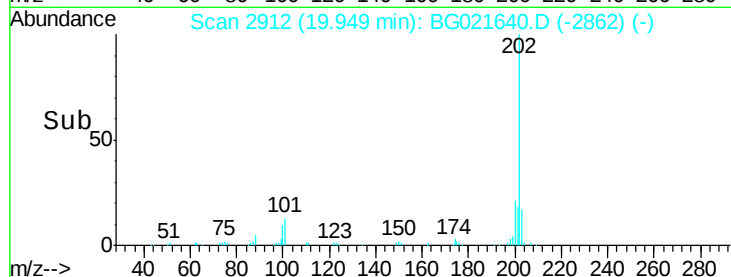
203 17.3 15.0 22.4



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: 90.29 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

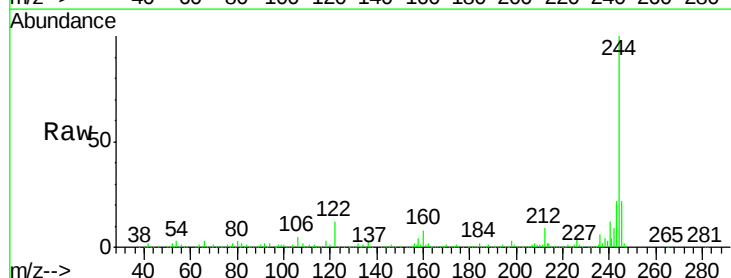
Tgt Ion:244 Resp: 888343

Ion Ratio Lower Upper

244 100

212 8.7 6.5 9.7

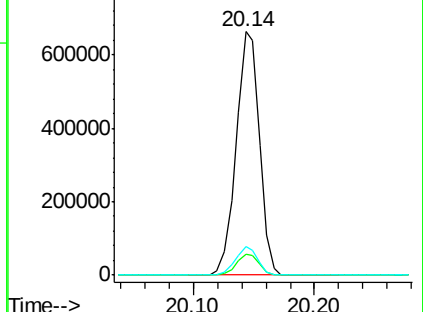
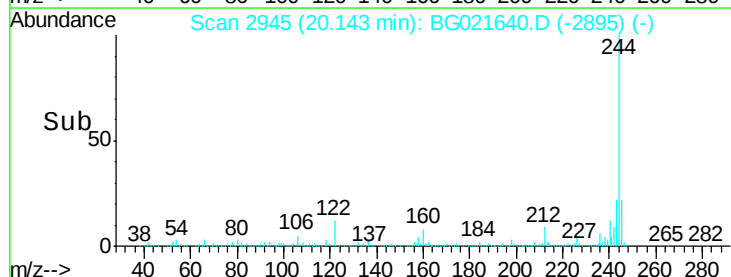
122 11.9 8.6 12.8

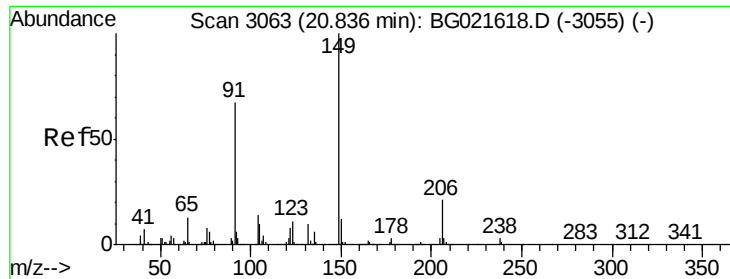


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

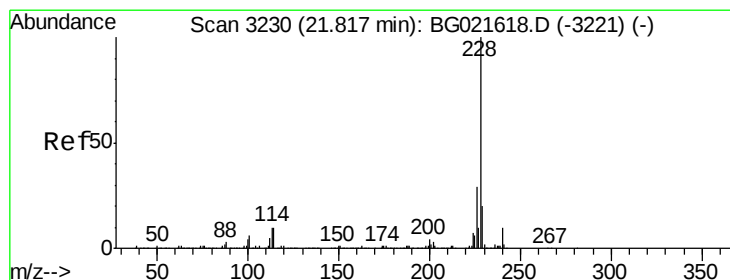
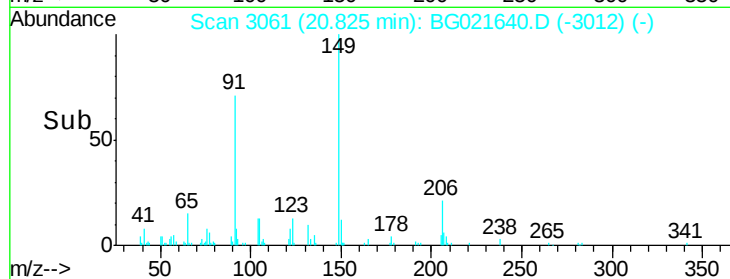
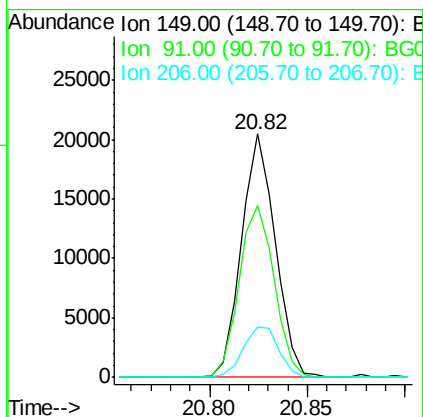
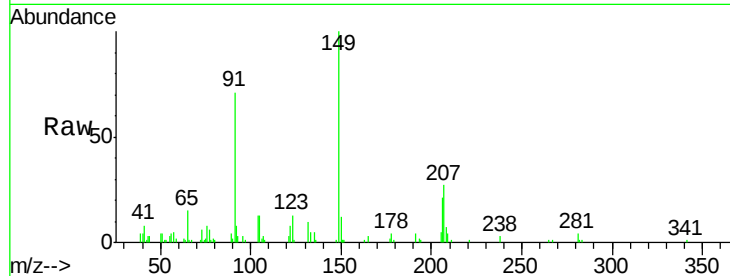




#79
Butylbenzylphthalate
Concen: 3.73 ng
RT: 20.82 min Scan# 3061
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

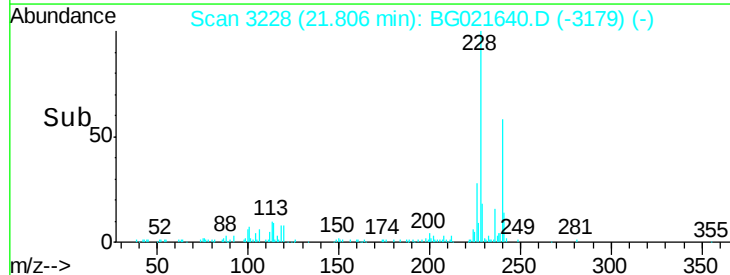
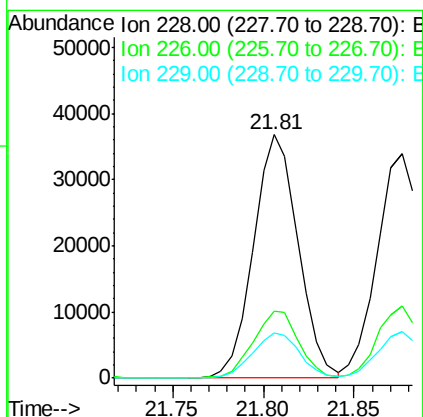
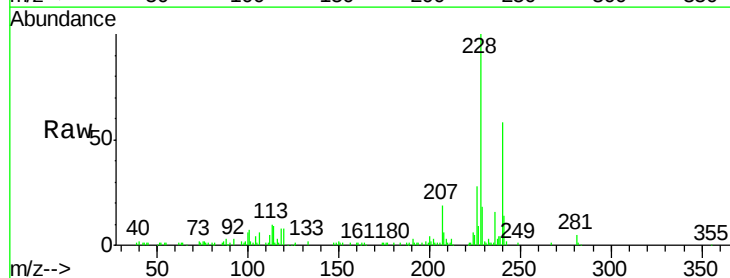
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

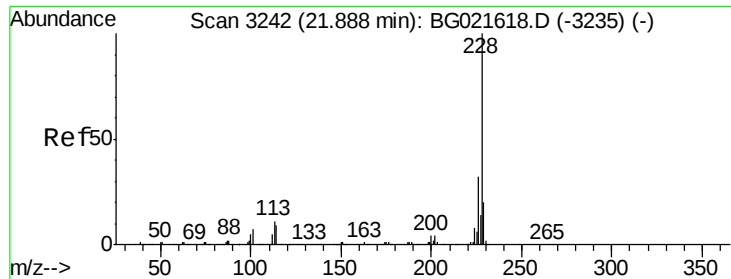
Tgt Ion:149 Resp: 24522
Ion Ratio Lower Upper
149 100
91 70.9 57.8 86.8
206 20.9 17.0 25.4



#80
Benzo(a)anthracene
Concen: 4.45 ng
RT: 21.81 min Scan# 3228
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Tgt Ion:228 Resp: 62858
Ion Ratio Lower Upper
228 100
226 27.6 22.6 34.0
229 18.4 16.1 24.1





#82

Chrysene

Concen: 4.35 ng

RT: 21.88 min Scan# 3240

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

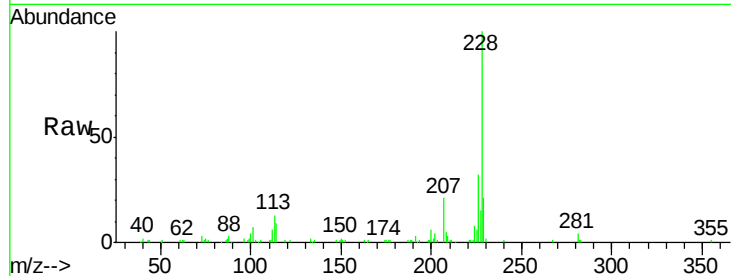
Tgt Ion:228 Resp: 59005

Ion Ratio Lower Upper

228 100

226 32.3 25.4 38.0

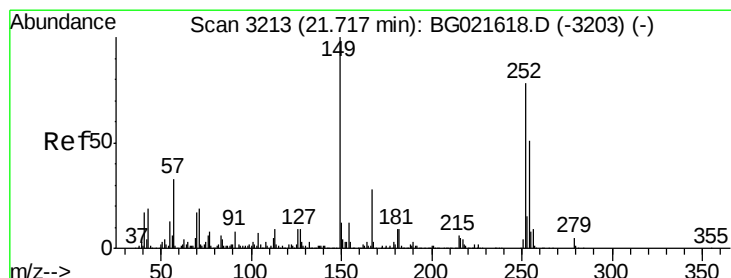
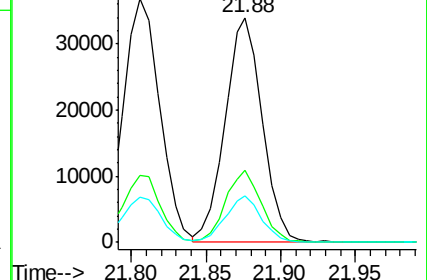
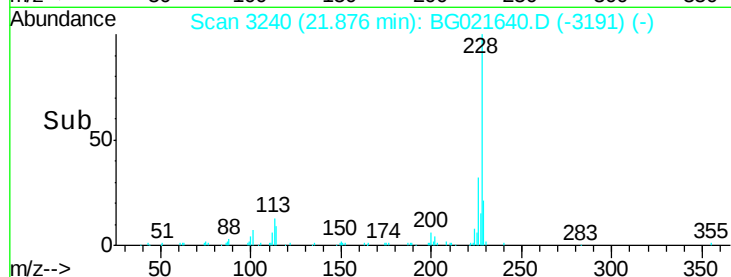
229 20.8 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.81 ng

RT: 21.71 min Scan# 3211

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

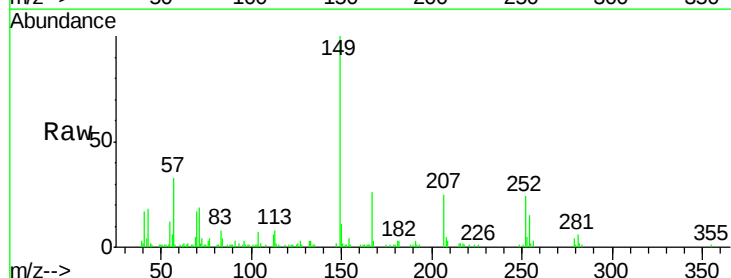
Tgt Ion:149 Resp: 36664

Ion Ratio Lower Upper

149 100

167 25.9 22.4 33.6

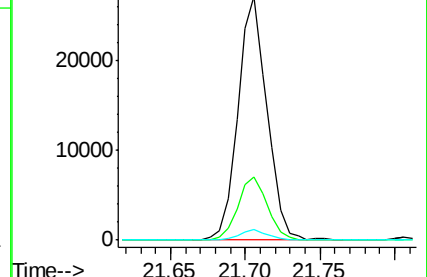
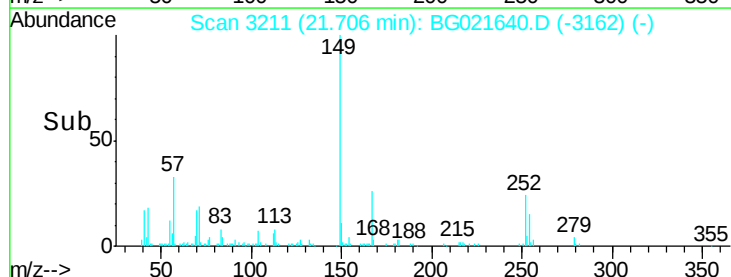
279 4.3 3.2 4.8

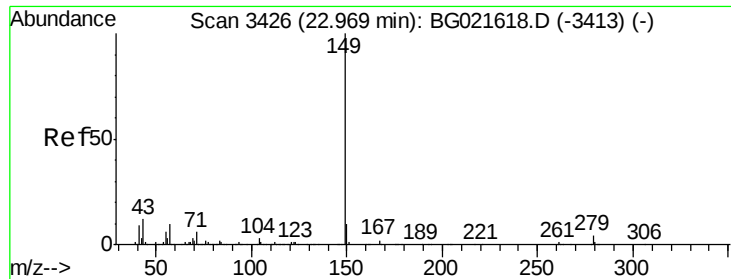


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 3.79 ng

RT: 22.96 min Scan# 3424

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

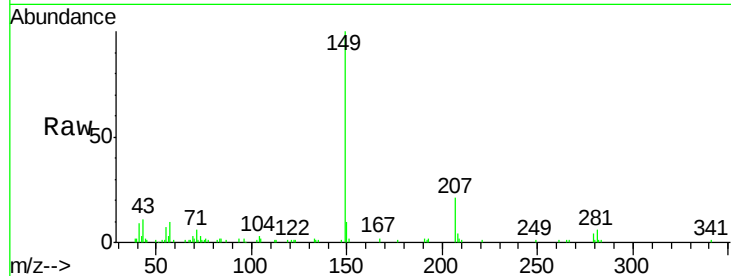
Tgt Ion:149 Resp: 61009

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

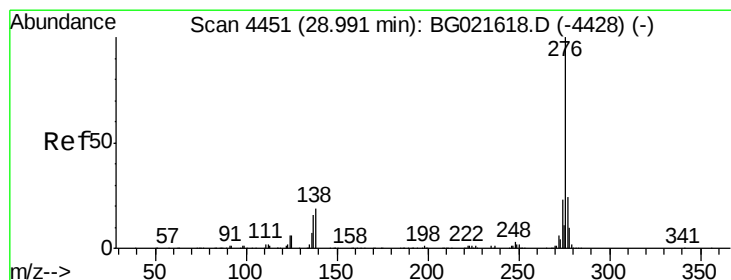
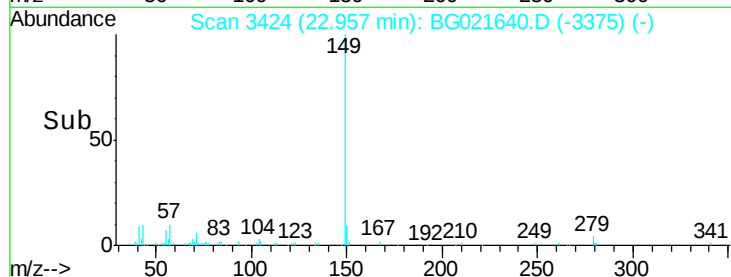
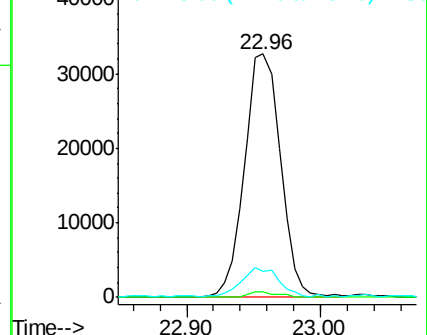
43 12.9 9.8 14.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.96 ng

RT: 28.95 min Scan# 4444

Delta R.T. -0.04 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

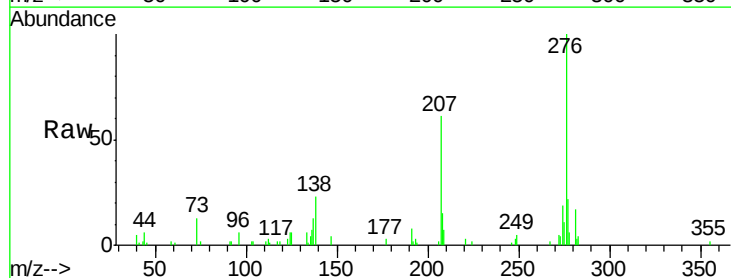
Tgt Ion:276 Resp: 63978

Ion Ratio Lower Upper

276 100

138 15.2 14.0 21.0

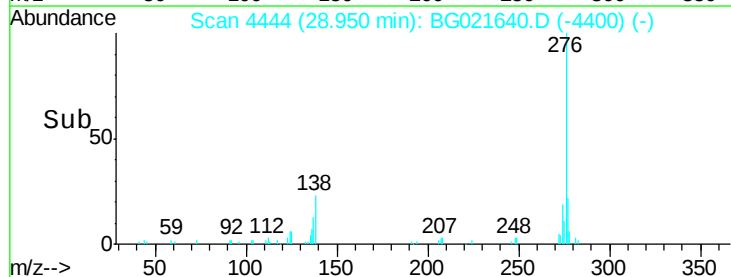
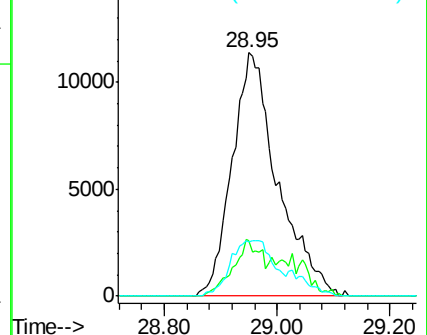
277 21.3 20.6 30.8

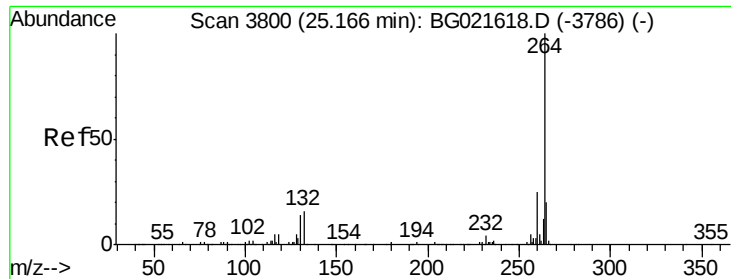


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

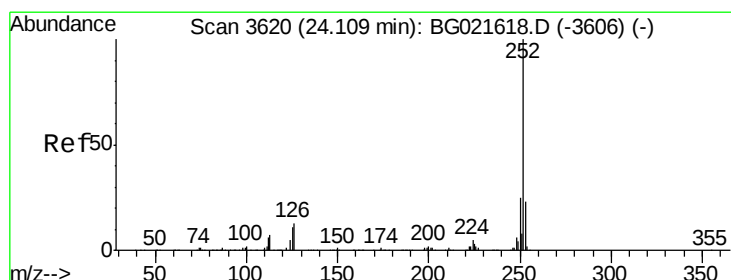
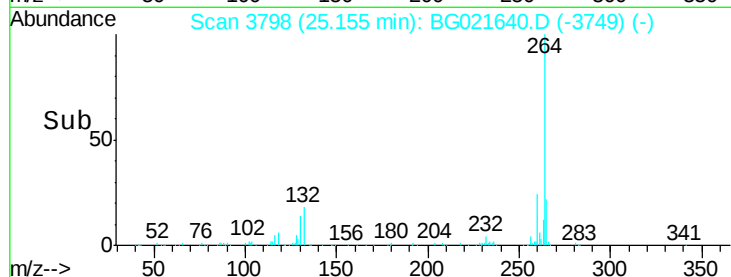
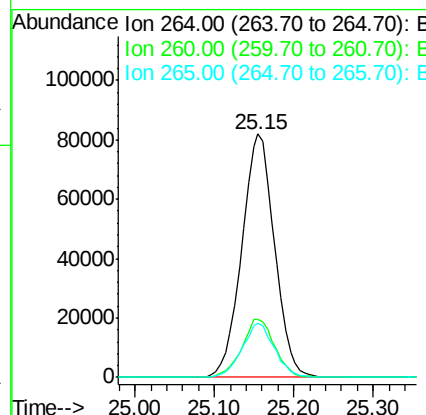
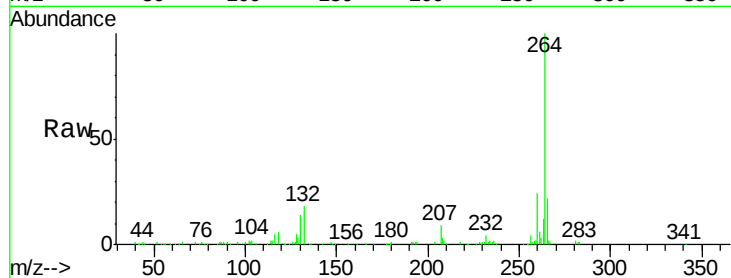




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.15 min Scan# 3798
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

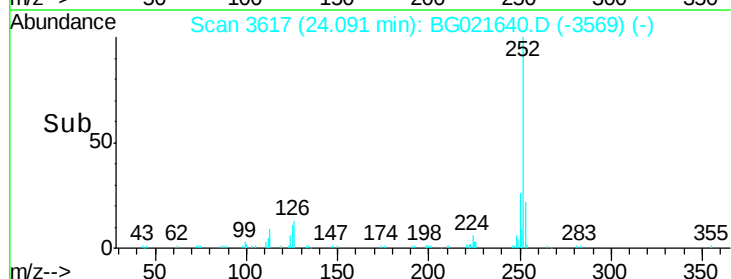
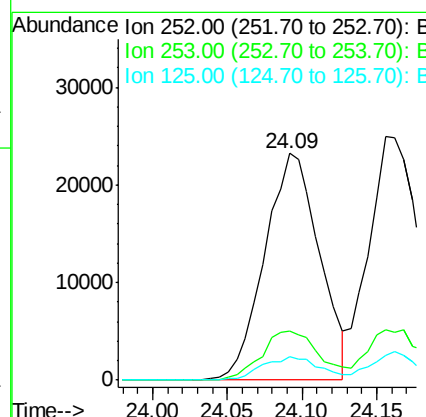
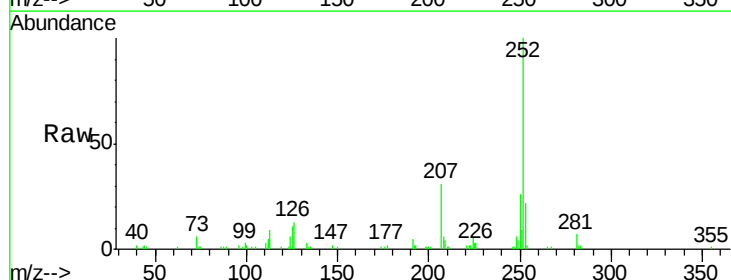
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

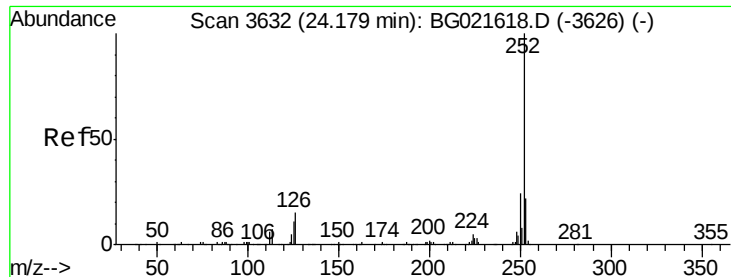
Tgt Ion: 264 Resp: 234008
Ion Ratio Lower Upper
264 100
260 24.1 20.2 30.4
265 22.1 17.8 26.8



#87
Benzo(b)fluoranthene
Concen: 4.36 ng
RT: 24.09 min Scan# 3617
Delta R.T. -0.02 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Tgt Ion: 252 Resp: 59240
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 10.6 8.6 13.0

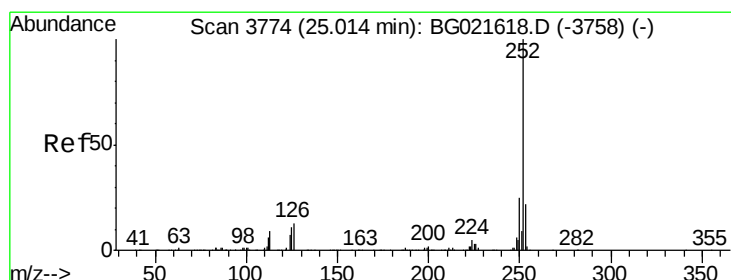
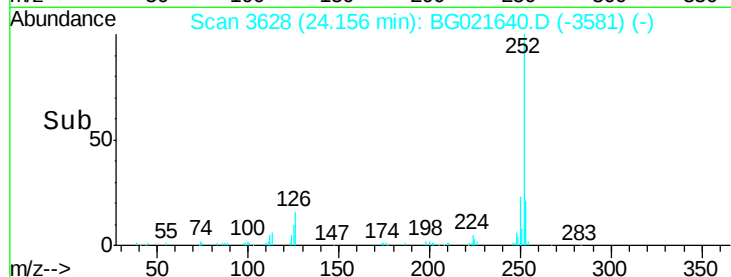
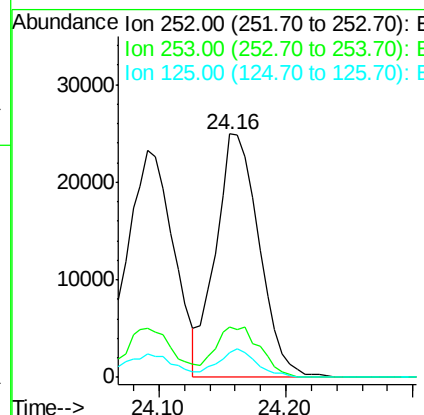
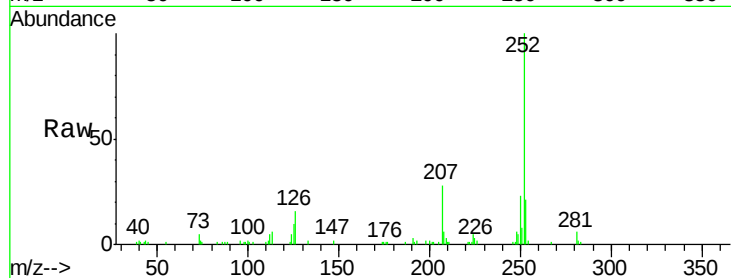




#88
Benzo(k)fluoranthene
Concen: 4.46 ng
RT: 24.16 min Scan# 3628
Delta R.T. -0.02 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

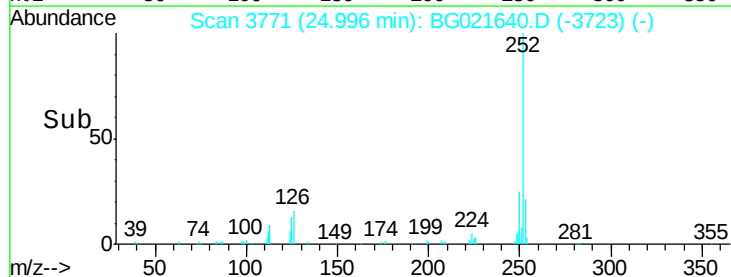
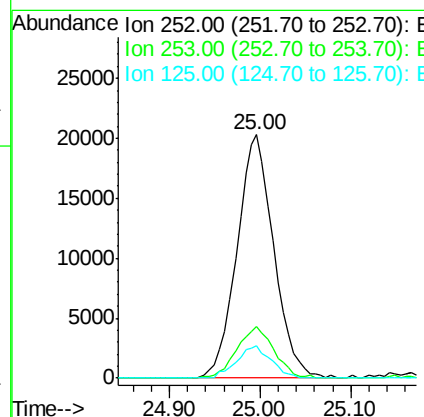
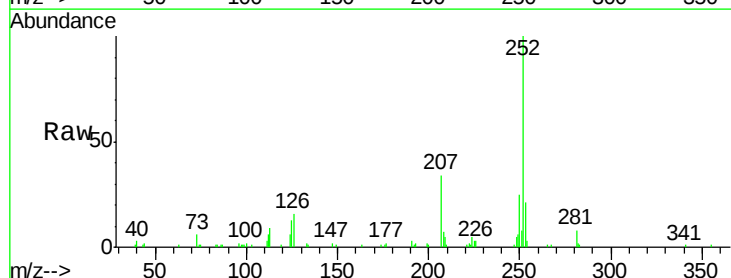
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

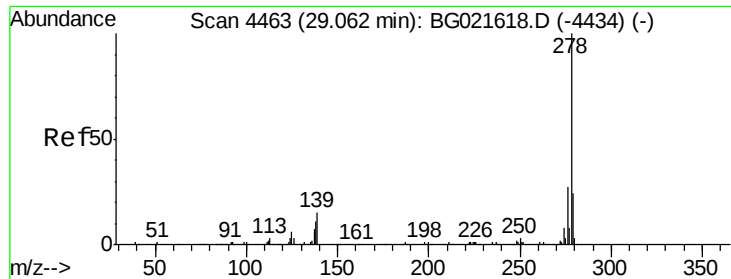
Tgt Ion:252 Resp: 59237
Ion Ratio Lower Upper
252 100
253 20.9 17.8 26.8
125 10.0 8.3 12.5



#89
Benzo(a)pyrene
Concen: 4.32 ng
RT: 25.00 min Scan# 3771
Delta R.T. -0.02 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Tgt Ion:252 Resp: 56824
Ion Ratio Lower Upper
252 100
253 21.3 17.1 25.7
125 13.3 9.6 14.4





#90

Dibenzo(a,h)anthracene

Concen: 4.14 ng

RT: 29.03 min Scan# 4458

Delta R.T. -0.03 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

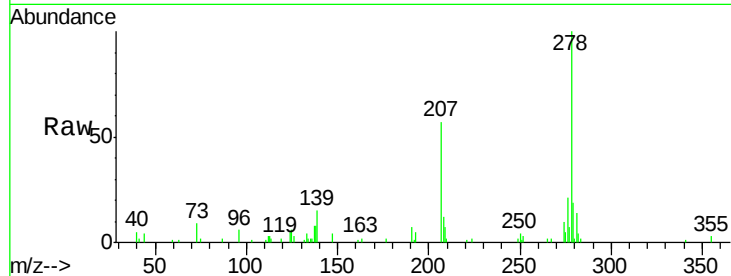
Tgt Ion:278 Resp: 54552

Ion Ratio Lower Upper

278 100

139 14.9 11.9 17.9

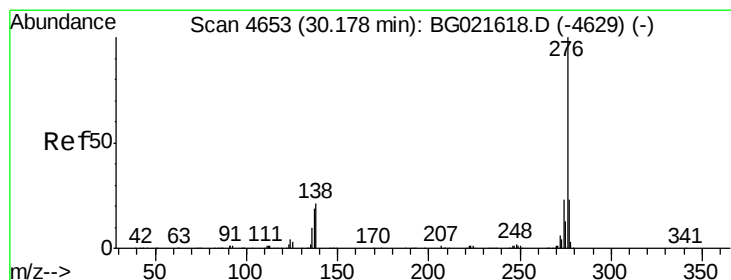
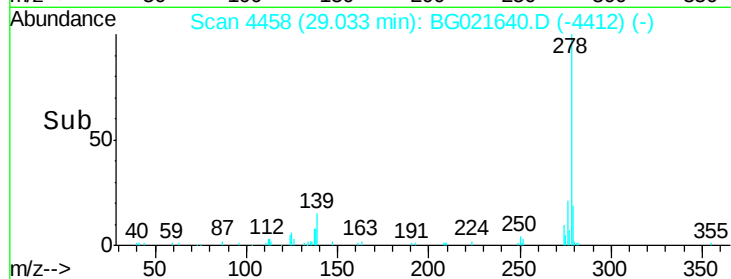
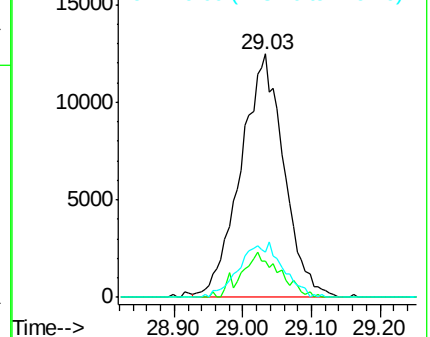
279 18.5 18.2 27.2



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: 4.28 ng

RT: 30.13 min Scan# 4645

Delta R.T. -0.05 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

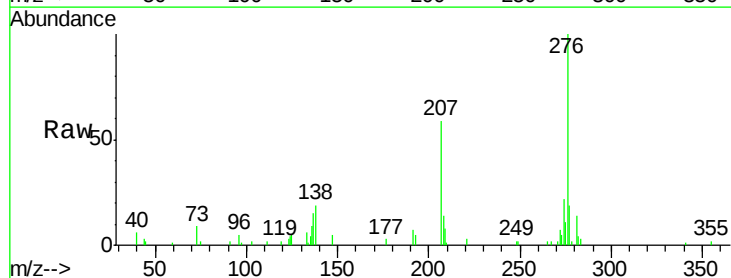
Tgt Ion:276 Resp: 55441

Ion Ratio Lower Upper

276 100

277 18.8 19.4 29.2#

138 18.7 17.4 26.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

