

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041316\
 Data File : BG021641.D
 Acq On : 14 Apr 2016 5:37
 Operator : UM/SJ
 Sample : H2418-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Apr 14 06:46:33 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	8.21	152	26743	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	119366	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	78864	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	196507	20.00	ng	0.00
75) Chrysene-d12	21.83	240	234983	20.00	ng	0.00
86) Perylene-d12	25.15	264	226075	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	237439	147.85	ng	0.00
7) Phenol-d6	7.36	99	341437	142.33	ng	0.00
23) Nitrobenzene-d5	9.38	82	200448	86.31	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	126951	149.36	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	472430	87.77	ng	0.00
78) Terphenyl-d14	20.15	244	836324	88.81	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.63	88	4309	6.03	ng	# 72
3) Pyridine	4.04	79	12180	5.68	ng	# 84
4) n-Nitrosodimethylamine	3.95	42	6619	6.23	ng	88
6) Aniline	7.53	93	17478	5.51	ng	95
8) 2-Chlorophenol	7.78	128	12949	6.73	ng	95
9) Benzaldehyde	7.35	77	11971	8.63	ng	# 89
10) Phenol	7.39	94	18351	7.11	ng	95
11) bis(2-Chloroethyl)ether	7.63	93	13193	6.39	ng	89
12) 1,3-Dichlorobenzene	8.11	146	13089	6.09	ng	90
13) 1,4-Dichlorobenzene	8.25	146	13372	6.11	ng	93
14) 1,2-Dichlorobenzene	8.57	146	13319	6.34	ng	94
15) Benzyl Alcohol	8.45	79	11758	6.41	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.75	45	25608	5.79	ng	98
17) 2-Methylphenol	8.64	107	11351	6.36	ng	95
18) Hexachloroethane	9.31	117	5246	6.59	ng	94
19) n-Nitroso-di-n-propylamine	9.01	70	10576	5.67	ng	# 92
20) 3+4-Methylphenols	8.97	107	16414	6.72	ng	97
22) Acetophenone	9.04	105	20082	6.04	ng	# 98
24) Nitrobenzene	9.42	77	16774	6.75	ng	# 97
25) Isophorone	9.94	82	29227	5.75	ng	97
26) 2-Nitrophenol	10.14	139	4887	5.15	ng	94
27) 2,4-Dimethylphenol	10.18	122	13756	6.38	ng	99
28) bis(2-Chloroethoxy)methane	10.42	93	18195	6.74	ng	# 85
29) 2,4-Dichlorophenol	10.67	162	12440	6.77	ng	97
30) 1,2,4-Trichlorobenzene	10.89	180	13145	6.65	ng	95
31) Naphthalene	11.08	128	41040	6.42	ng	# 96
32) Benzoic acid	10.23	122	3101	7.14	ng	96
33) 4-Chloroaniline	11.18	127	16934	6.12	ng	96
34) Hexachlorobutadiene	11.36	225	7751	6.08	ng	96
35) Caprolactam	11.93	113	5070	6.03	ng	95
36) 4-Chloro-3-methylphenol	12.27	107	15493	6.70	ng	98
37) 2-Methylnaphthalene	12.67	142	29263	6.67	ng	88
39) 1,2,4,5-Tetrachlorobenzene	13.03	216	15220	6.18	ng	99
40) Hexachlorocyclopentadiene	13.01	237	8028	5.86	ng	93

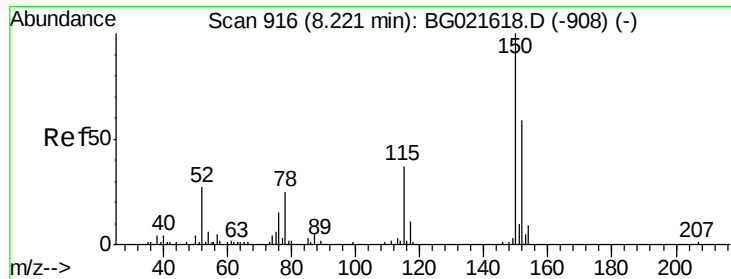
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041316\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.26	196	8998	5.73	ng	94
43) 2,4,5-Trichlorophenol	13.33	196	10547	6.22	ng	98
45) 1,1'-Biphenyl	13.66	154	40679	6.12	ng	95
46) 2-Chloronaphthalene	13.71	162	31475	6.41	ng	98
47) 2-Nitroaniline	13.90	65	10380	6.16	ng	96
48) Acenaphthylene	14.55	152	51570	6.35	ng	98
49) Dimethylphthalate	14.27	163	43033	6.31	ng	100
50) 2,6-Dinitrotoluene	14.38	165	7786	5.99	ng	88
51) Acenaphthene	14.89	154	31950	6.15	ng	92
52) 3-Nitroaniline	14.71	138	8610	5.97	ng	89
53) 2,4-Dinitrophenol	14.91	184	1666	10.48	ng	# 87
54) Dibenzofuran	15.22	168	51589	7.28	ng	98
55) 4-Nitrophenol	14.99	139	7163	5.80	ng	96
56) 2,4-Dinitrotoluene	15.17	165	10802	6.15	ng	86
57) Fluorene	15.86	166	42798	6.76	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.44	232	9054	6.43	ng	# 95
59) Diethylphthalate	15.62	149	45528	6.40	ng	95
60) 4-Chlorophenyl-phenylether	15.85	204	20339	6.52	ng	99
61) 4-Nitroaniline	15.86	138	10117	6.38	ng	96
62) Azobenzene	16.14	77	44686	7.33	ng	96
64) 4,6-Dinitro-2-methylphenol	15.92	198	3820	9.54	ng	94
65) n-Nitrosodiphenylamine	16.06	169	37550	6.37	ng	97
66) 4-Bromophenyl-phenylether	16.75	248	12952	6.15	ng	90
67) Hexachlorobenzene	16.86	284	13695	6.16	ng	95
68) Atrazine	17.00	200	14821	6.37	ng	95
69) Pentachlorophenol	17.20	266	6572	5.18	ng	# 82
70) Phenanthrene	17.60	178	74432	6.87	ng	99
71) Anthracene	17.69	178	73593	6.69	ng	99
72) Carbazole	17.95	167	71672	6.98	ng	98
73) Di-n-butylphthalate	18.50	149	84511	6.47	ng	99
74) Fluoranthene	19.59	202	89933	6.95	ng	99
76) Benzidine	19.77	184	34081	4.66	ng	100
77) Pyrene	19.95	202	91248	6.73	ng	98
79) Butylbenzylphthalate	20.82	149	37955	6.03	ng	97
80) Benzo(a)anthracene	21.80	228	91648	6.78	ng	98
81) 3,3'-Dichlorobenzidine	21.72	252	22716	2.12	ng	94
82) Chrysene	21.88	228	90384	6.96	ng	98
83) Bis(2-ethylhexyl)phthalate	21.70	149	55476	6.03	ng	98
84) Di-n-octyl phthalate	22.96	149	93885	6.09	ng	98
85) Indeno(1,2,3-cd)pyrene	28.95	276	98335	6.37	ng	# 90
87) Benzo(b)fluoranthene	24.10	252	88067	6.71	ng	96
88) Benzo(k)fluoranthene	24.17	252	88304	6.88	ng	98
89) Benzo(a)pyrene	25.00	252	84633	6.66	ng	# 97
90) Dibenzo(a,h)anthracene	29.03	278	81539	6.40	ng	98
91) Benzo(g,h,i)perylene	30.14	276	81586	6.52	ng	# 94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 915

Delta R.T. -0.01 min

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Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

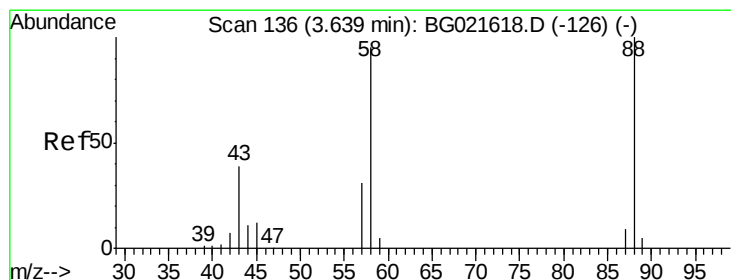
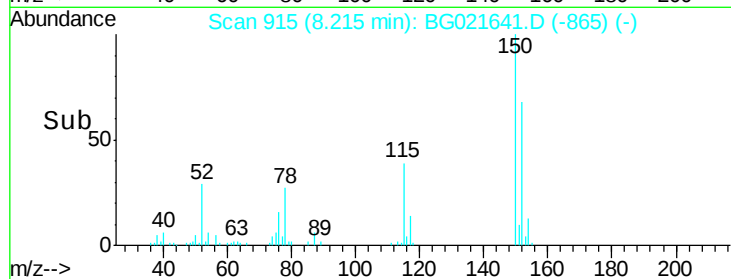
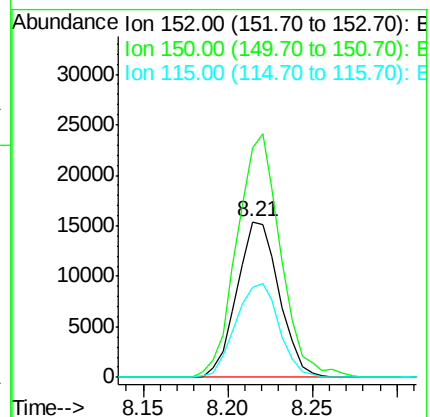
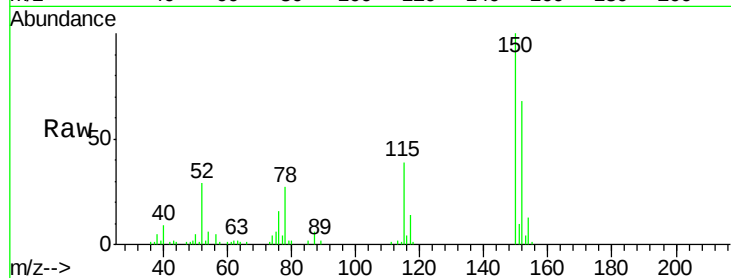
Tgt Ion:152 Resp: 26743

Ion Ratio Lower Upper

152 100

150 147.6 130.1 195.1

115 57.9 62.2 93.2#



#2

1,4-Dioxane

Concen: 6.03 ng

RT: 3.63 min Scan# 135

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

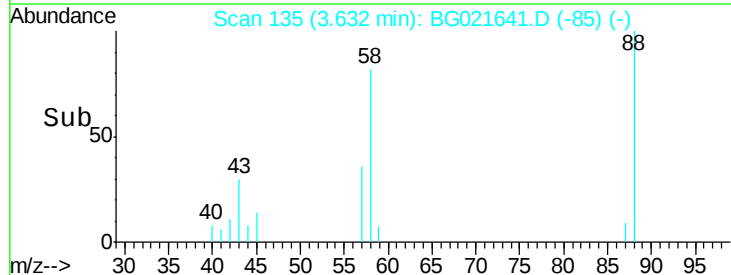
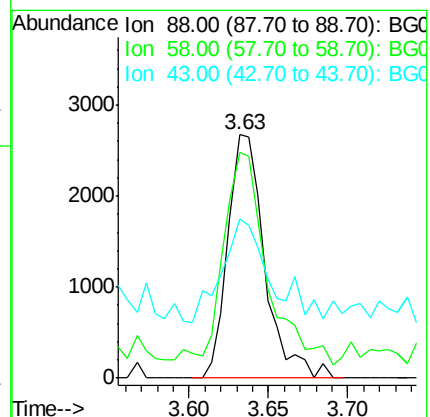
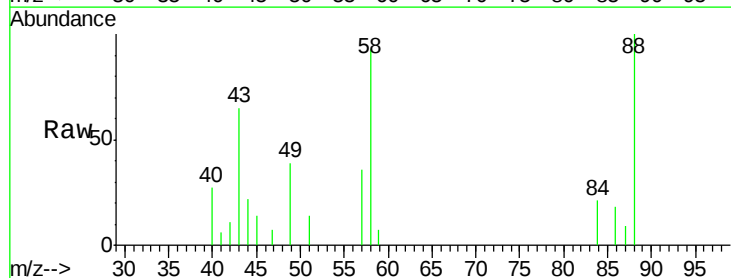
Tgt Ion: 88 Resp: 4309

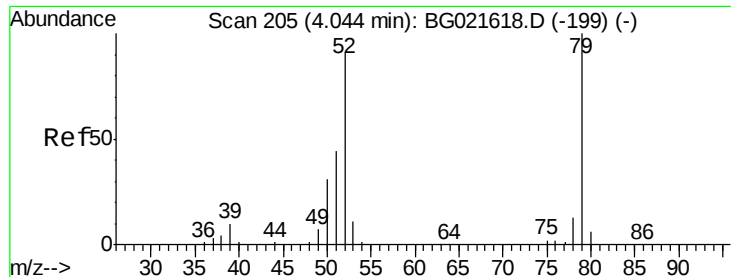
Ion Ratio Lower Upper

88 100

58 103.0 61.8 92.8#

43 48.7 27.3 40.9#





#3

Pyridine

Concen: 5.68 ng

RT: 4.04 min Scan# 204

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

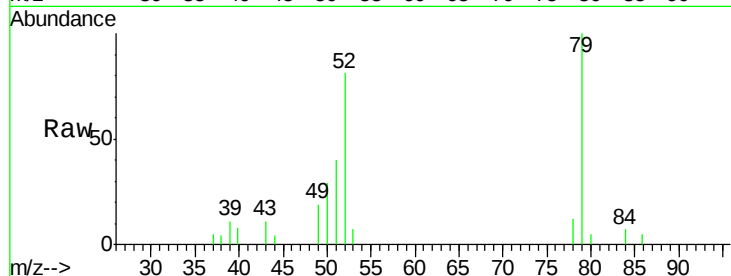
Tgt Ion: 79 Resp: 12180

Ion Ratio Lower Upper

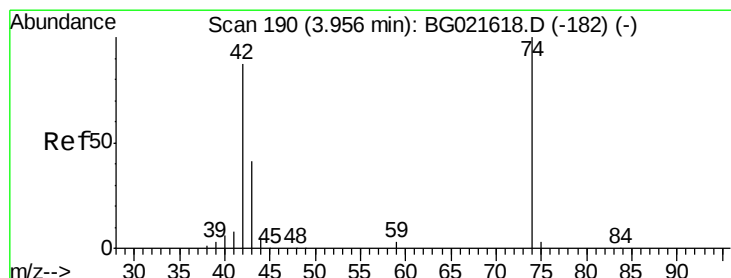
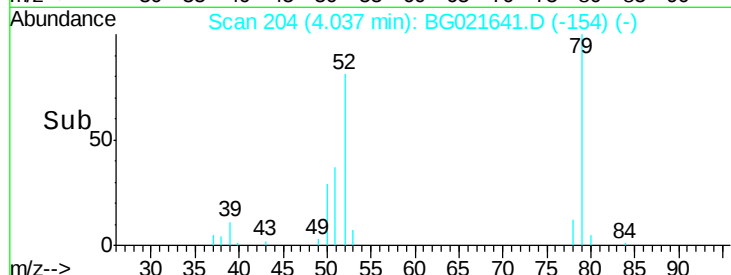
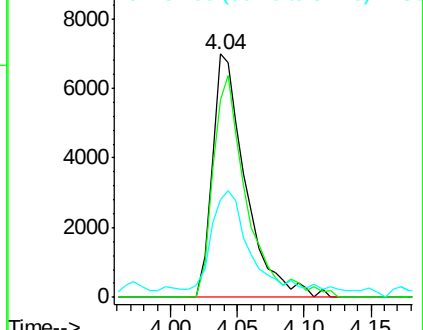
79 100

52 81.2 77.2 115.8

51 40.3 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: 6.23 ng

RT: 3.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

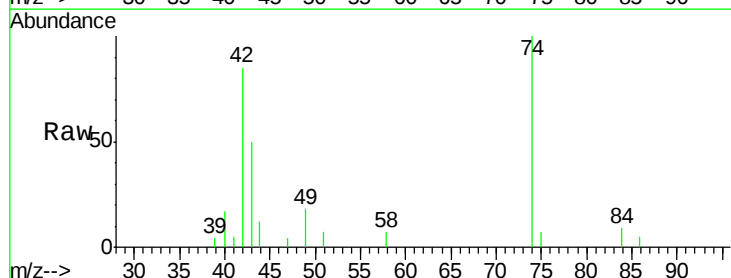
Tgt Ion: 42 Resp: 6619

Ion Ratio Lower Upper

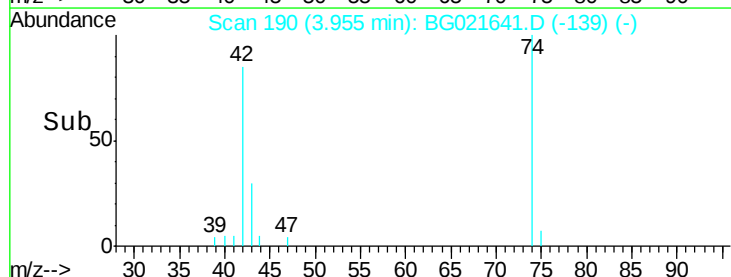
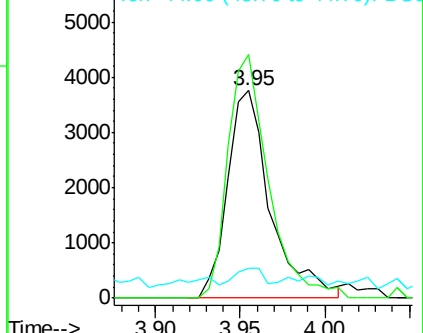
42 100

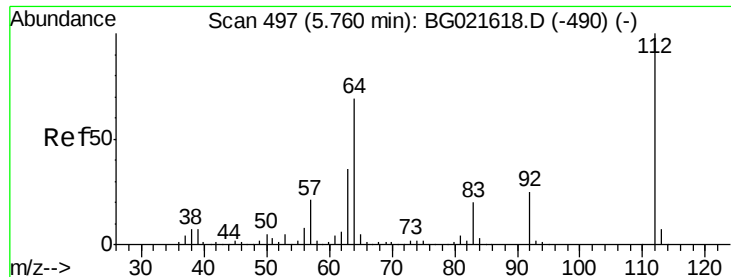
74 117.3 83.0 124.4

44 14.1 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: 147.85 ng

RT: 5.76 min Scan# 498

Delta R.T. 0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

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LOD-SOIL2016-01

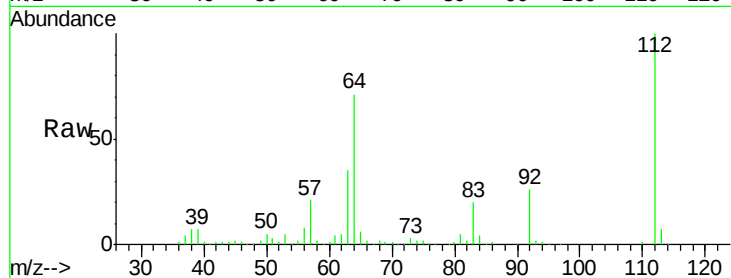
Tgt Ion: 112 Resp: 237439

Ion Ratio Lower Upper

112 100

64 70.9 51.1 76.7

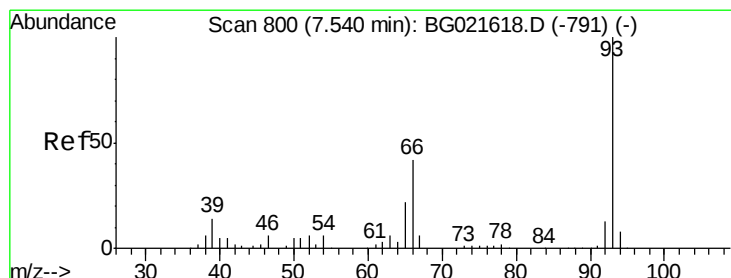
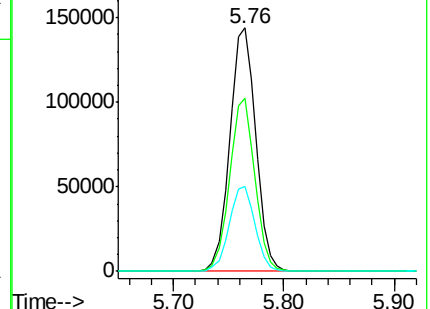
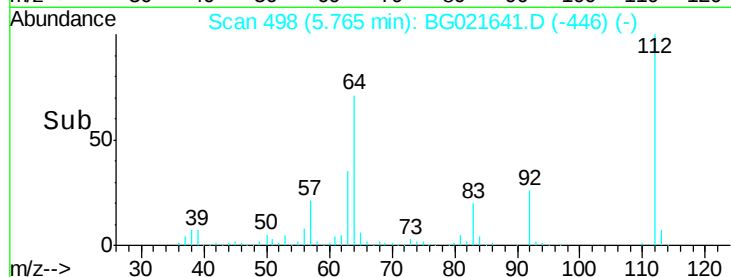
63 34.8 24.6 37.0



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 5.51 ng

RT: 7.53 min Scan# 799

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

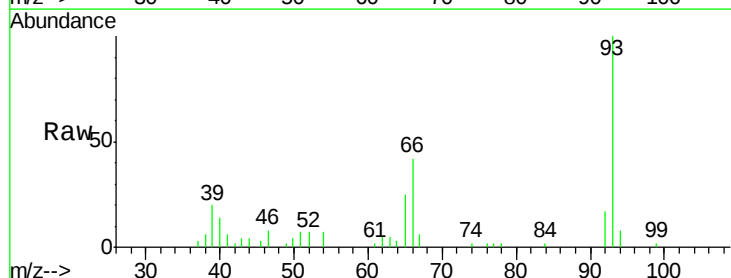
Tgt Ion: 93 Resp: 17478

Ion Ratio Lower Upper

93 100

66 42.3 36.3 54.5

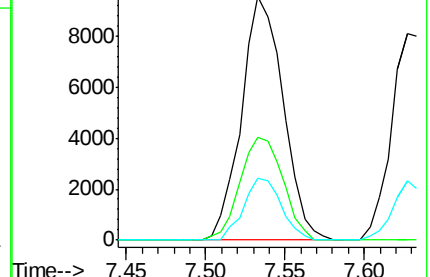
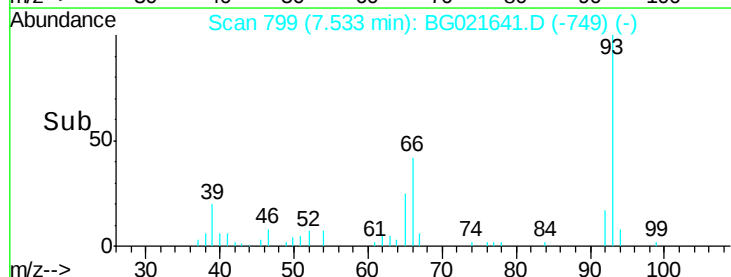
65 25.4 18.4 27.6

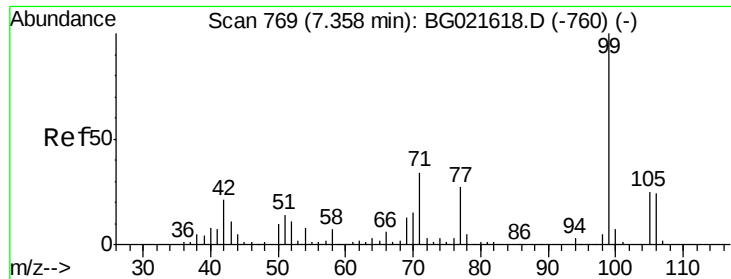


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 142.33 ng

RT: 7.36 min Scan# 769

Delta R.T. -0.00 min

Lab File: BG021641.D

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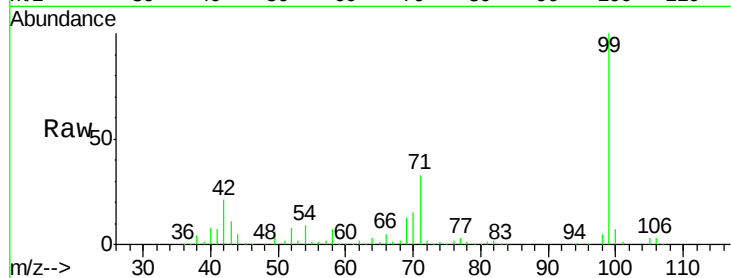
Tgt Ion: 99 Resp: 341437

Ion Ratio Lower Upper

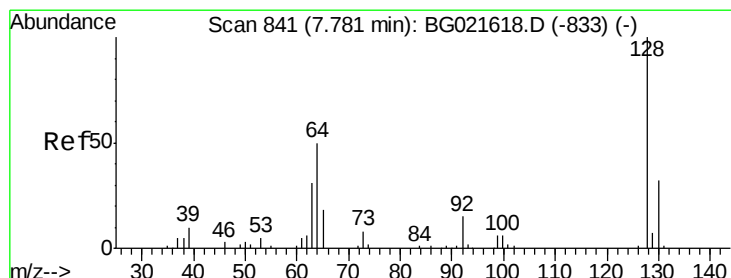
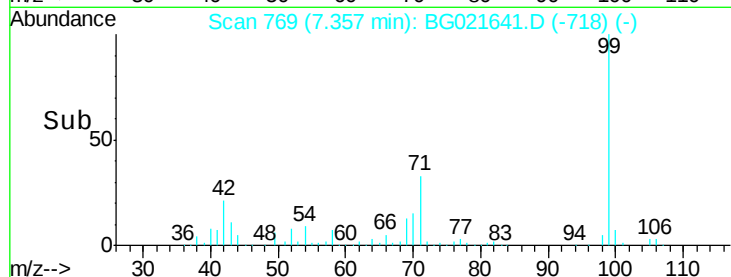
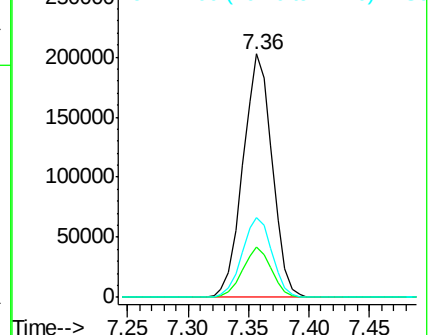
99 100

42 20.7 16.4 24.6

71 32.8 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: 6.73 ng

RT: 7.78 min Scan# 841

Delta R.T. -0.00 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

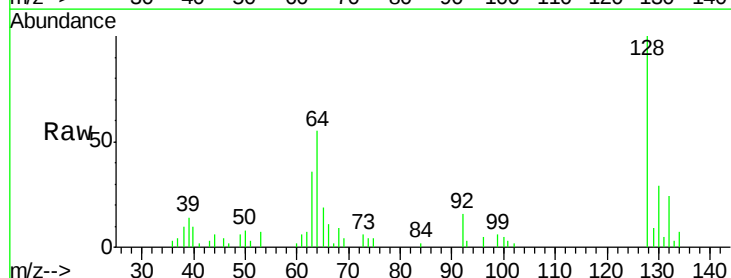
Tgt Ion: 128 Resp: 12949

Ion Ratio Lower Upper

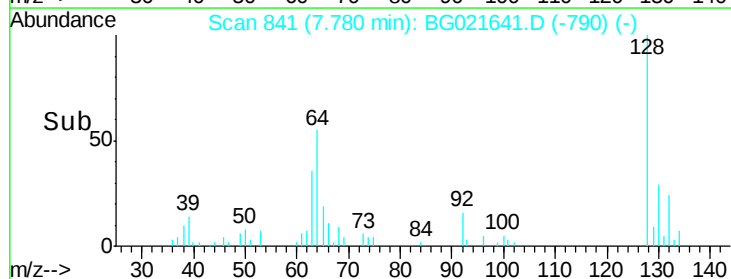
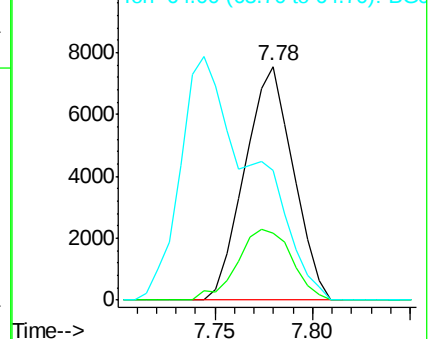
128 100

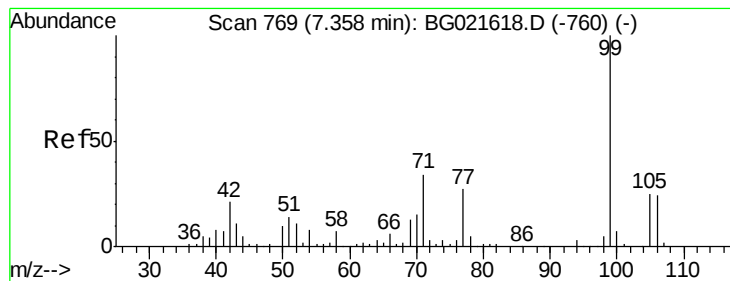
130 28.5 11.2 51.2

64 55.5 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: 8.63 ng

RT: 7.35 min Scan# 768

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

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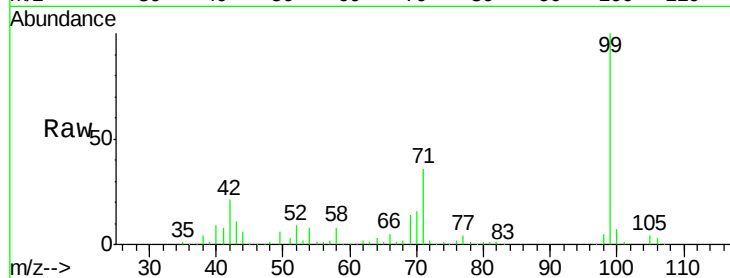
Tgt Ion: 77 Resp: 11971

Ion Ratio Lower Upper

77 100

105 102.5 62.1 102.1#

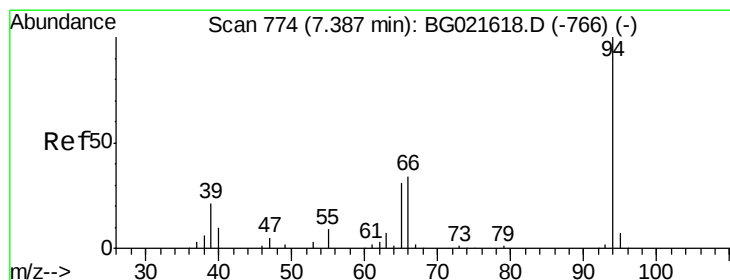
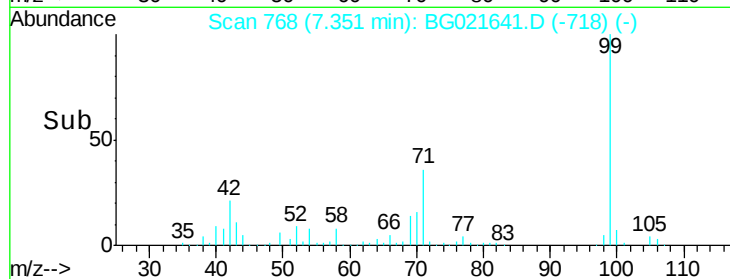
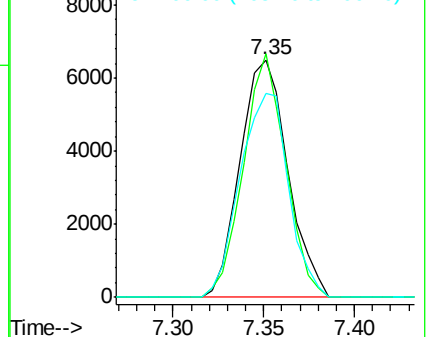
106 85.9 65.6 105.6



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: 7.11 ng

RT: 7.39 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

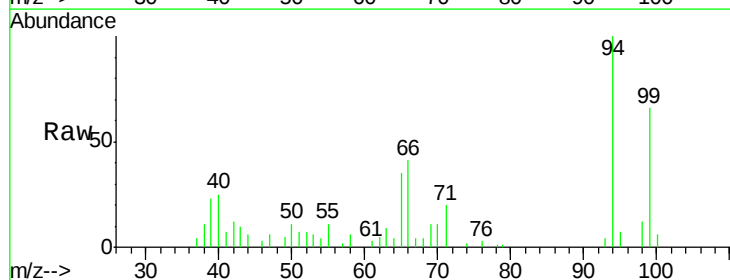
Tgt Ion: 94 Resp: 18351

Ion Ratio Lower Upper

94 100

65 35.1 9.8 49.8

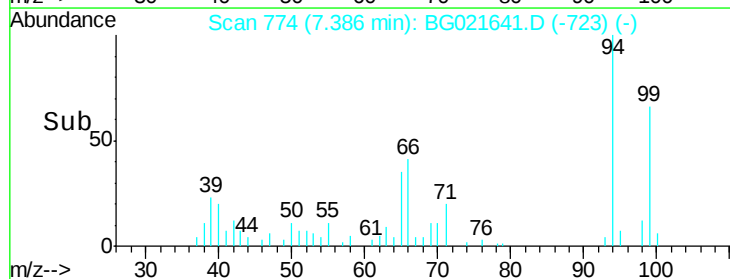
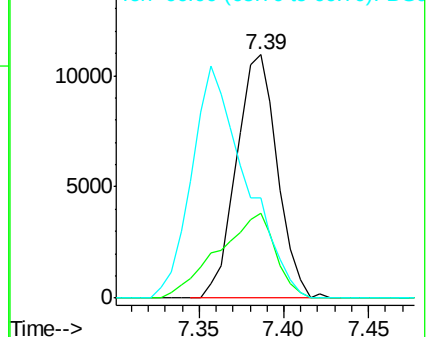
66 41.3 20.8 60.8

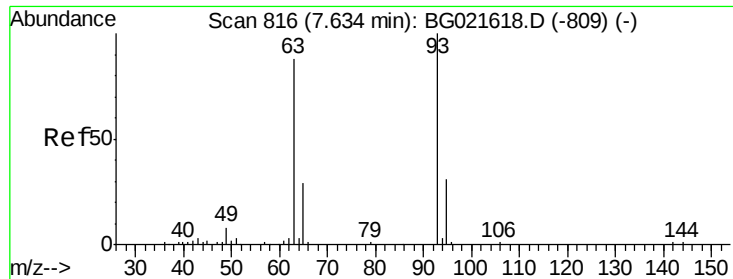


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

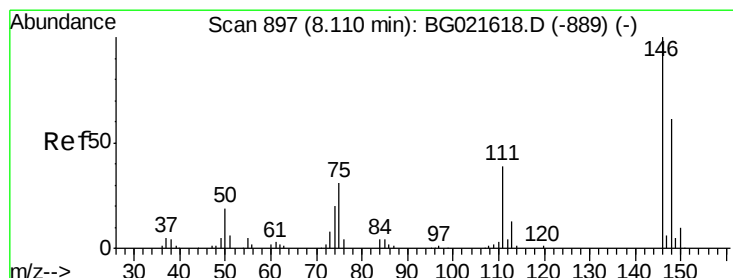
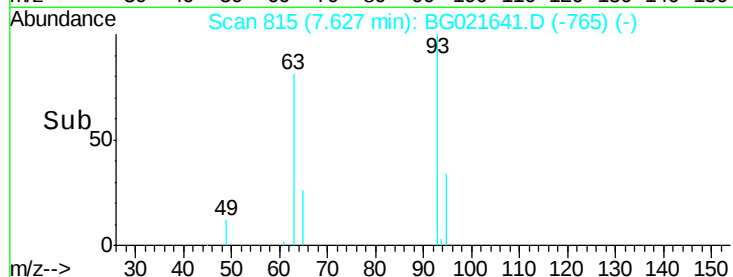
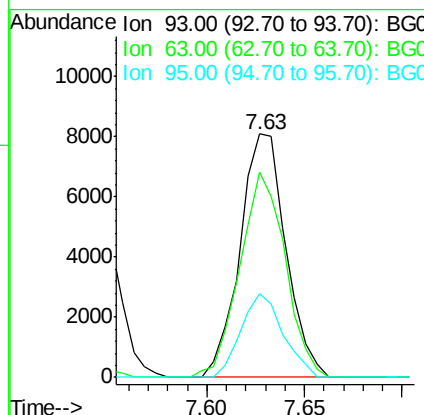
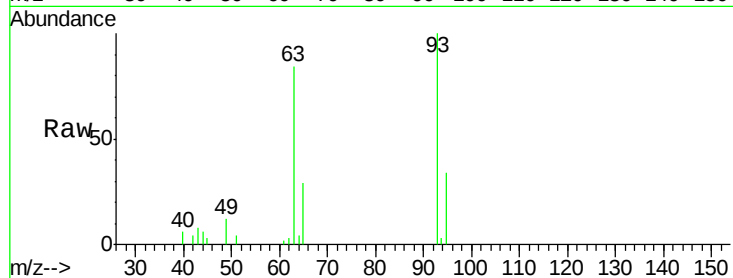




#11
bis(2-Chloroethyl)ether
Concen: 6.39 ng
RT: 7.63 min Scan# 815
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

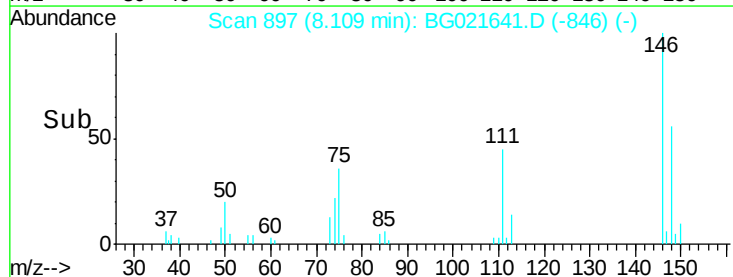
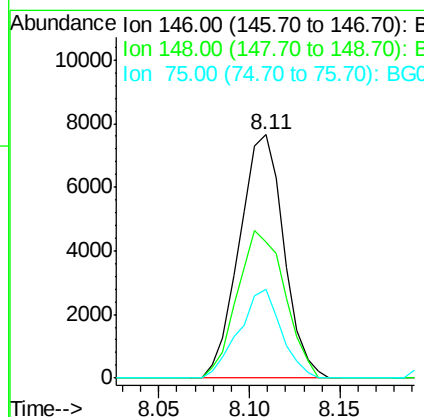
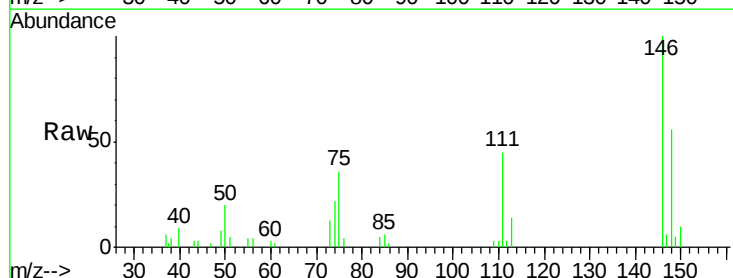
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

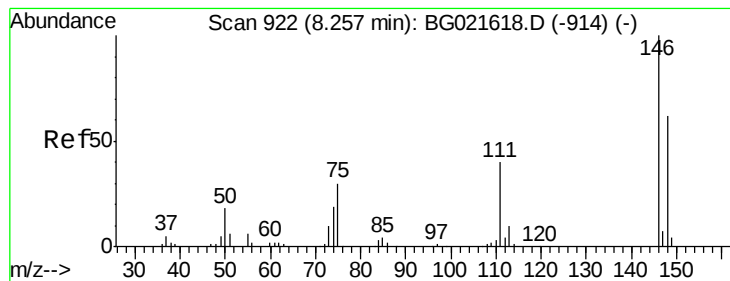
Tgt Ion: 93 Resp: 13193
Ion Ratio Lower Upper
93 100
63 84.2 74.9 114.9
95 34.5 8.3 48.3



#12
1,3-Dichlorobenzene
Concen: 6.09 ng
RT: 8.11 min Scan# 897
Delta R.T. -0.00 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Tgt Ion: 146 Resp: 13089
Ion Ratio Lower Upper
146 100
148 56.0 53.7 80.5
75 36.3 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 6.11 ng

RT: 8.25 min Scan# 921

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

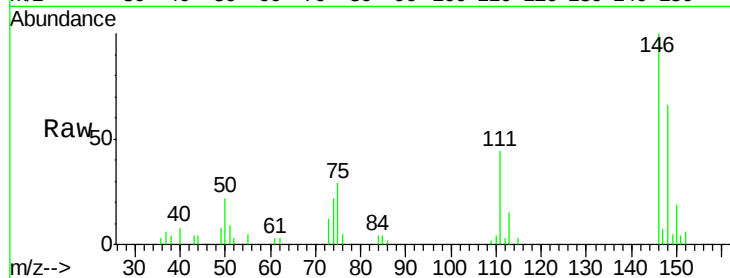
Tgt Ion:146 Resp: 13372

Ion Ratio Lower Upper

146 100

148 66.0 46.7 70.1

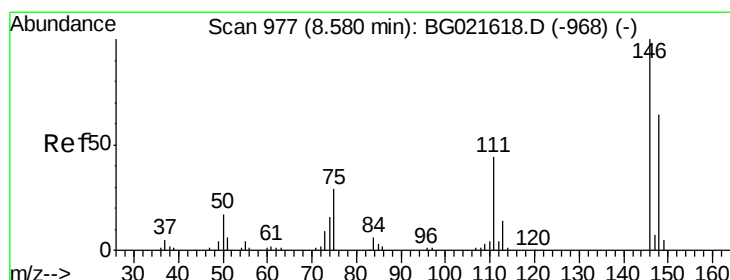
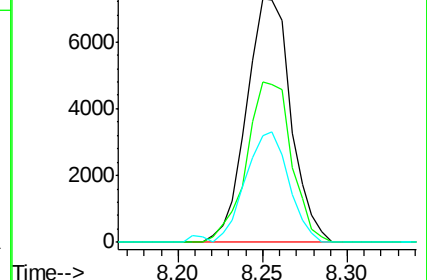
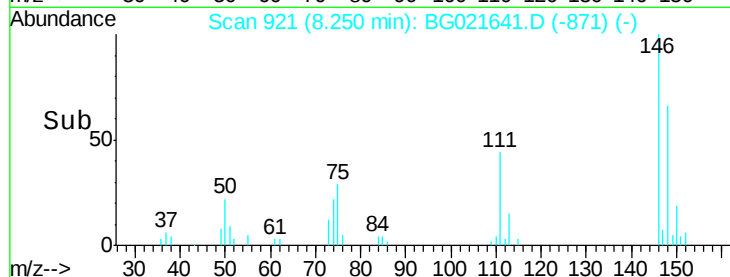
111 43.6 33.0 49.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 6.34 ng

RT: 8.57 min Scan# 976

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

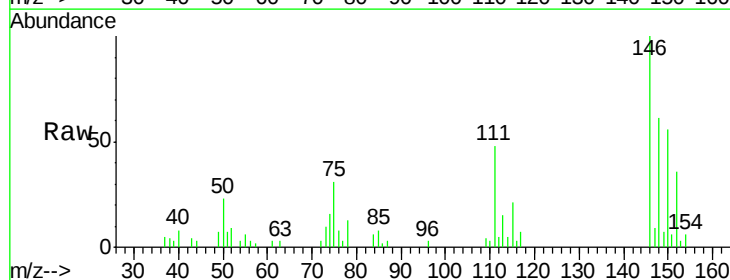
Tgt Ion:146 Resp: 13319

Ion Ratio Lower Upper

146 100

148 60.9 52.6 79.0

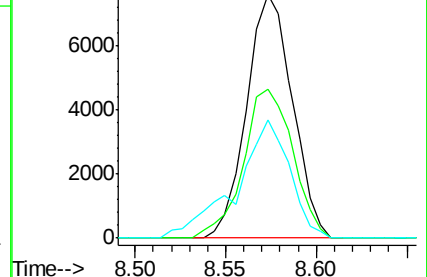
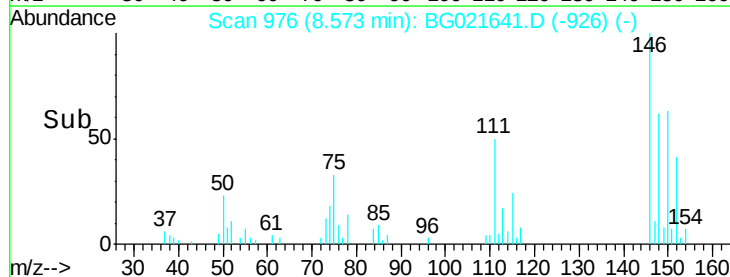
111 48.5 36.1 54.1

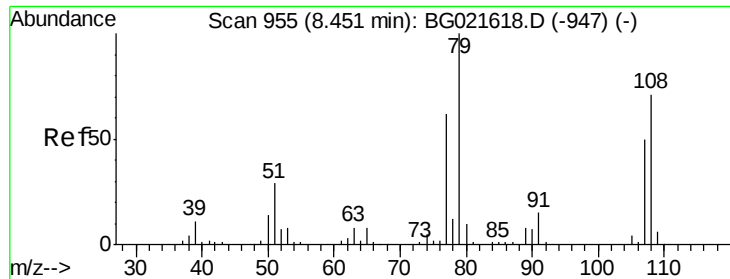


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 6.41 ng

RT: 8.45 min Scan# 955

Delta R.T. -0.00 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

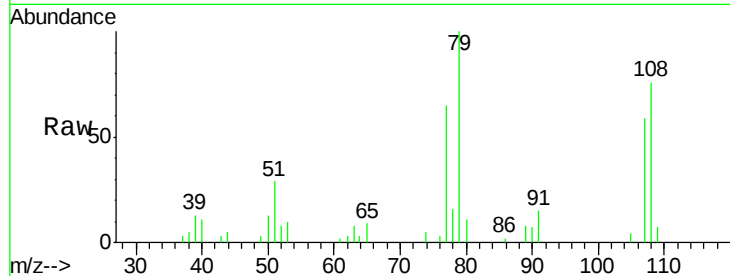
Tgt Ion: 79 Resp: 11758

Ion Ratio Lower Upper

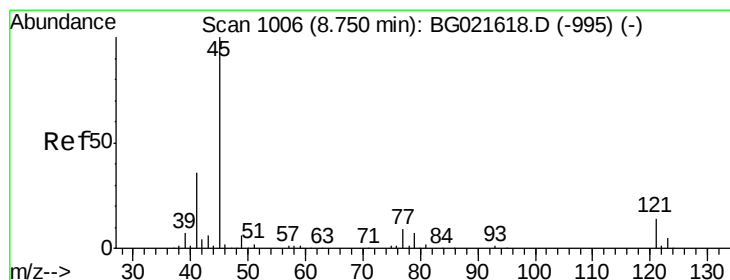
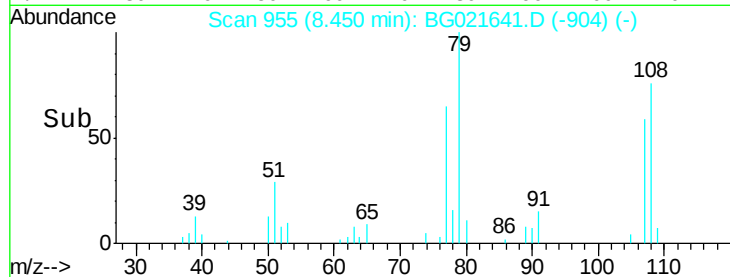
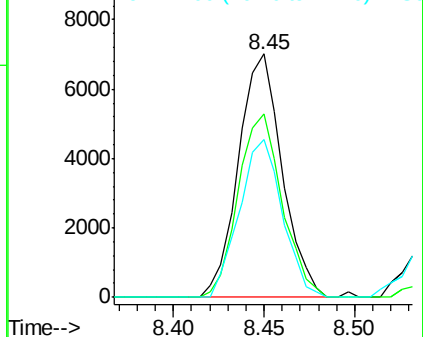
79 100

108 75.6 59.4 89.0

77 64.9 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: 5.79 ng

RT: 8.75 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

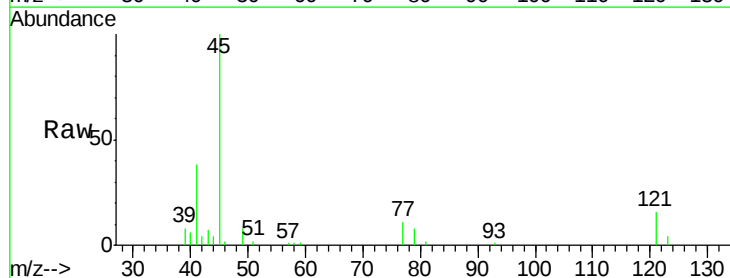
Tgt Ion: 45 Resp: 25608

Ion Ratio Lower Upper

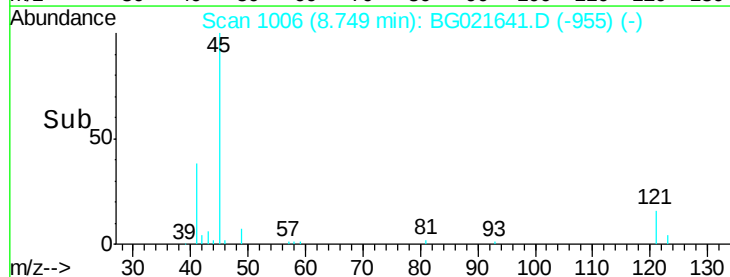
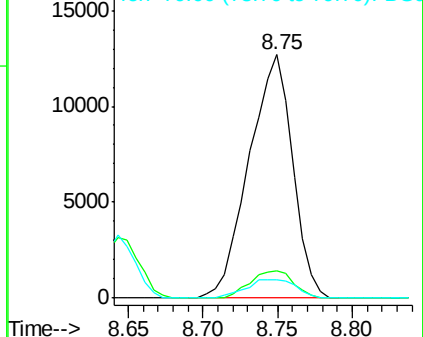
45 100

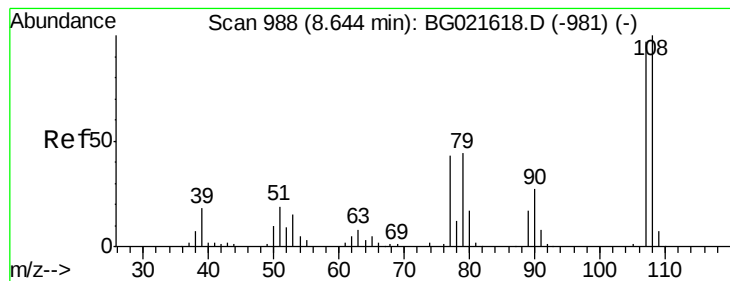
77 11.2 0.0 31.2

79 7.7 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: 6.36 ng

RT: 8.64 min Scan# 988

Delta R.T. -0.00 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:107 Resp: 11351

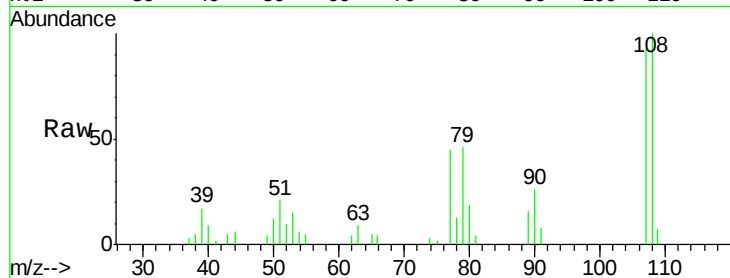
Ion Ratio Lower Upper

107 100

108 107.3 80.2 120.4

77 47.9 40.7 61.1

79 49.8 39.8 59.8

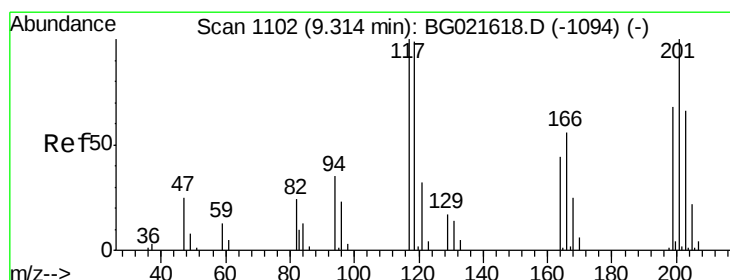
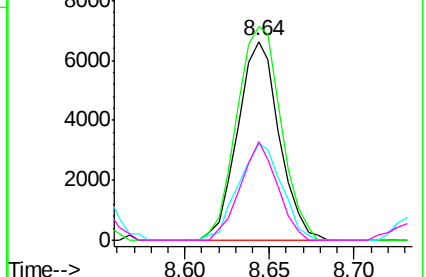
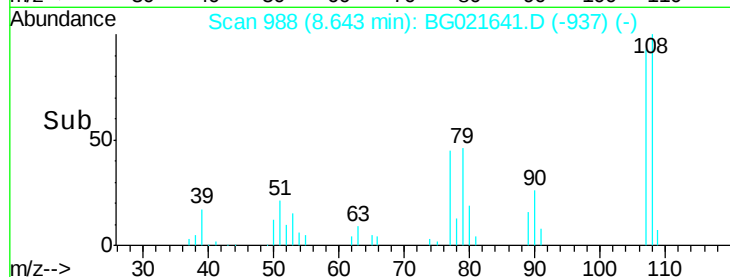


Abundance Ion 107.00 (106.70 to 107.70): E

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: 6.59 ng

RT: 9.31 min Scan# 1101

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

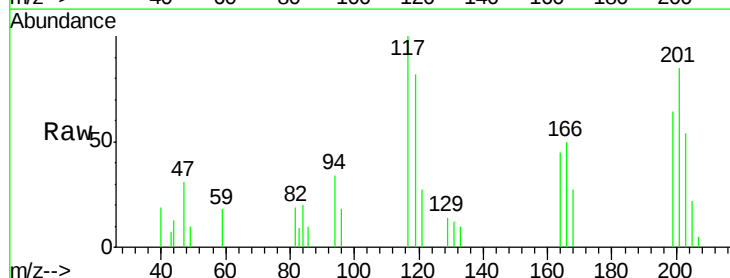
Tgt Ion:117 Resp: 5246

Ion Ratio Lower Upper

117 100

119 81.9 63.9 95.9

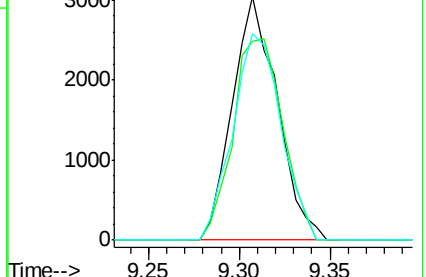
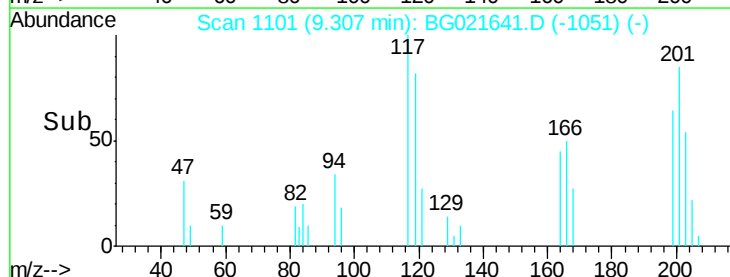
201 85.0 61.2 91.8

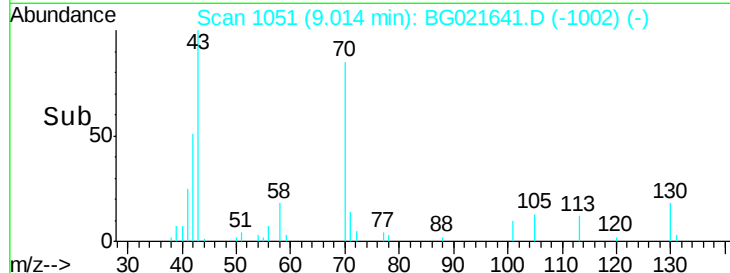
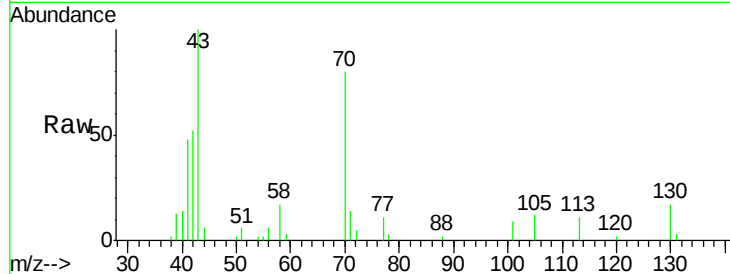
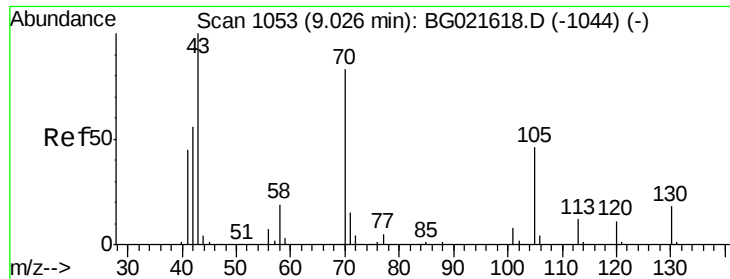


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

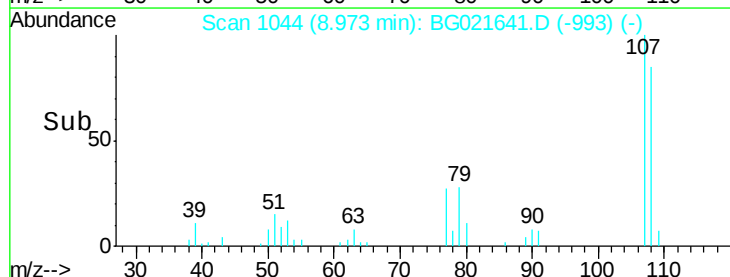
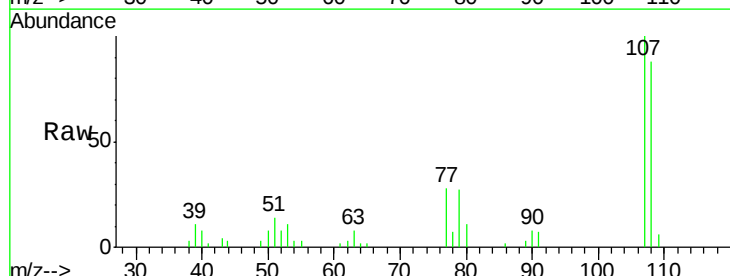
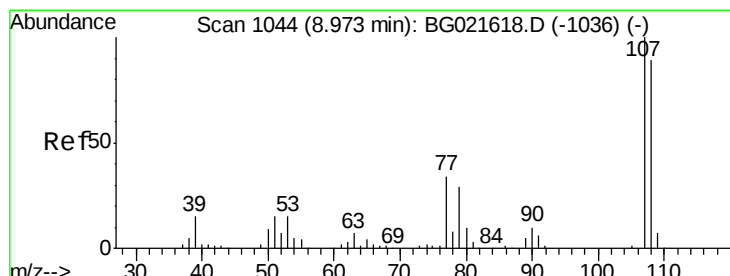
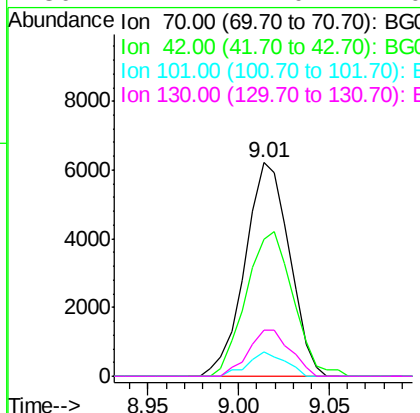




#19
n-Nitroso-di-n-propylamine
Concen: 5.67 ng
RT: 9.01 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

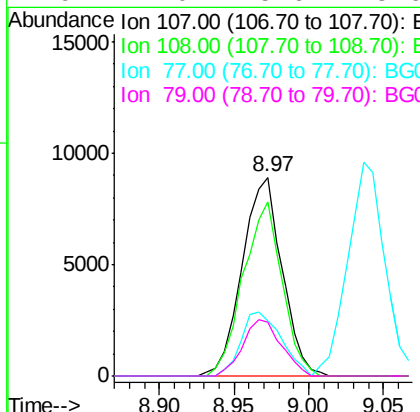
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

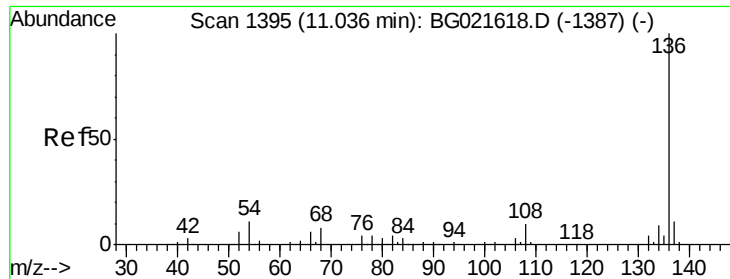
Tgt Ion: 70 Resp: 10576
Ion Ratio Lower Upper
70 100
42 64.3 56.7 85.1
101 11.5 8.2 12.4
130 21.4 14.0 21.0#



#20
3+4-Methylphenols
Concen: 6.72 ng
RT: 8.97 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Tgt Ion: 107 Resp: 16414
Ion Ratio Lower Upper
107 100
108 87.6 66.2 106.2
77 27.9 11.5 51.5
79 27.0 5.6 45.6

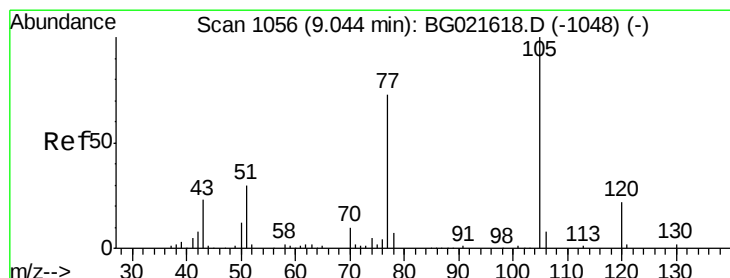
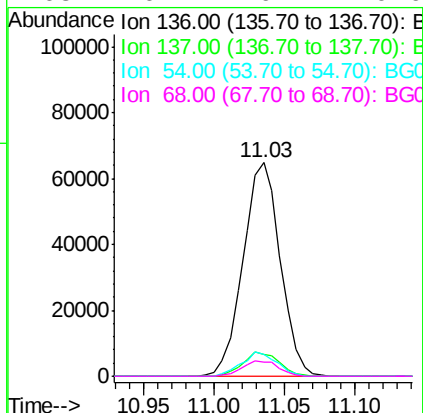
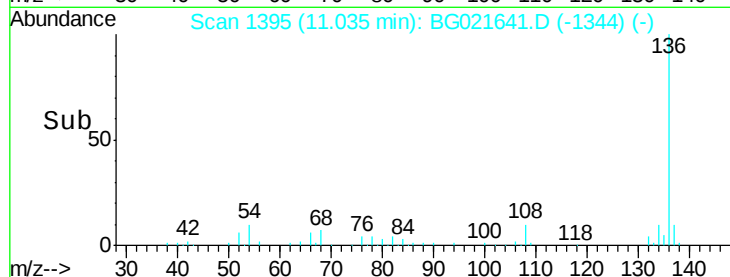
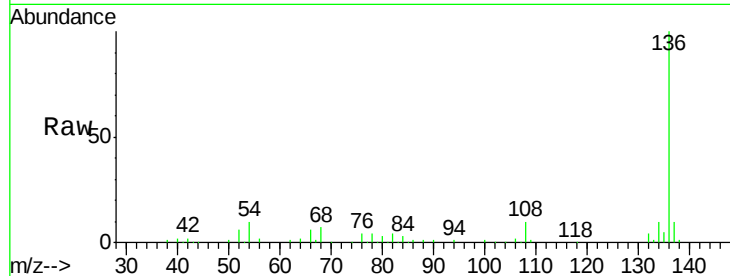




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.03 min Scan# 1395
Delta R.T. -0.00 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

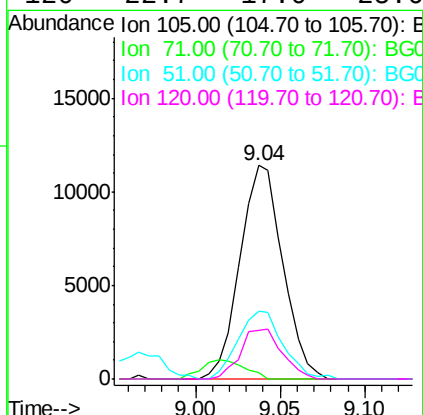
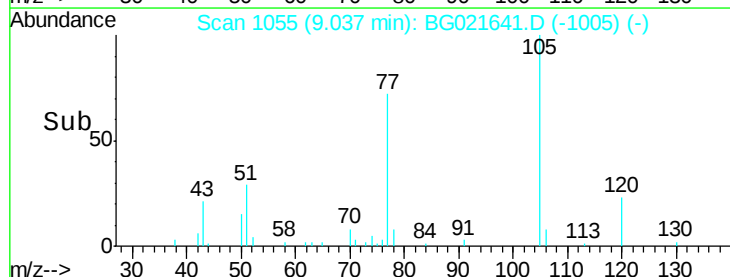
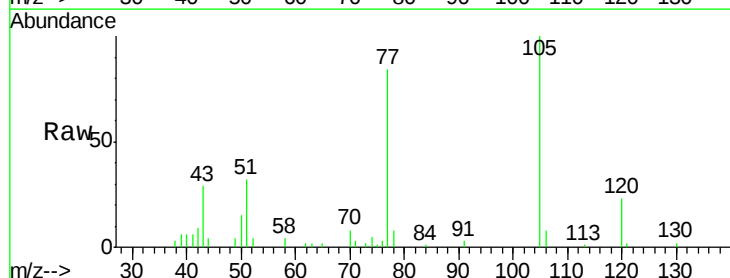
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

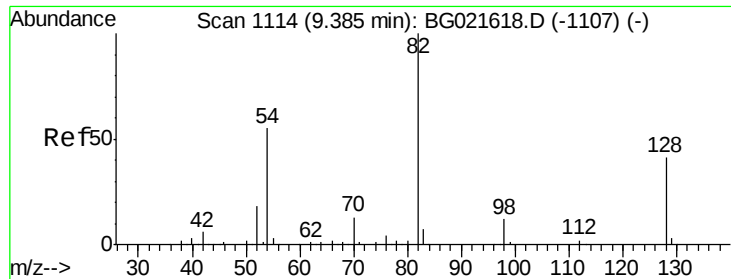
Tgt Ion:	136	Resp:	119366
Ion Ratio		Lower	Upper
136	100		
137	10.2	9.0	13.4
54	10.4	9.6	14.4
68	6.7	6.4	9.6



#22
Acetophenone
Concen: 6.04 ng
RT: 9.04 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Tgt Ion:	105	Resp:	20082
Ion Ratio		Lower	Upper
105	100		
71	2.7	0.0	0.0#
51	31.6	25.7	38.5
120	22.7	17.0	25.6

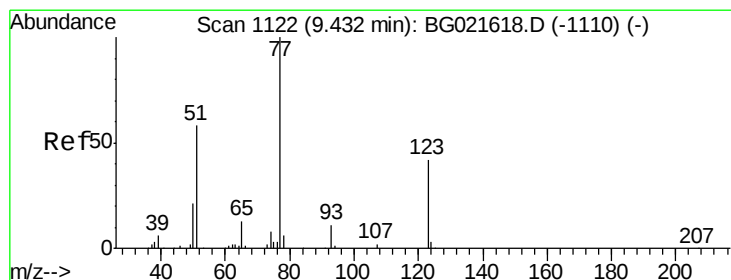
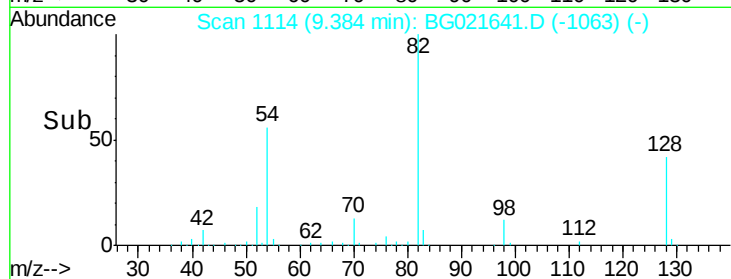
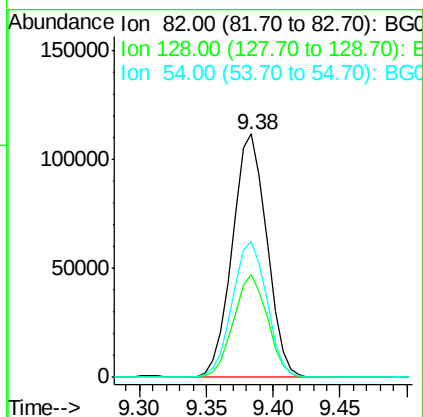
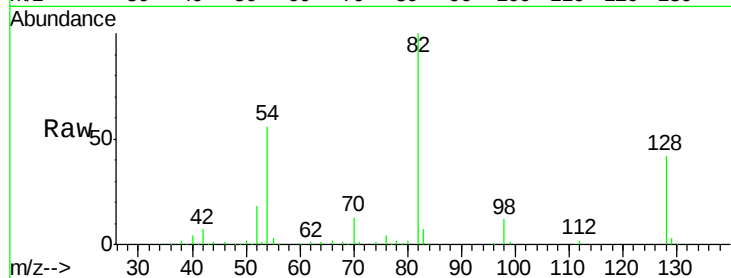




#23
Nitrobenzene-d5
Concen: 86.31 ng
RT: 9.38 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

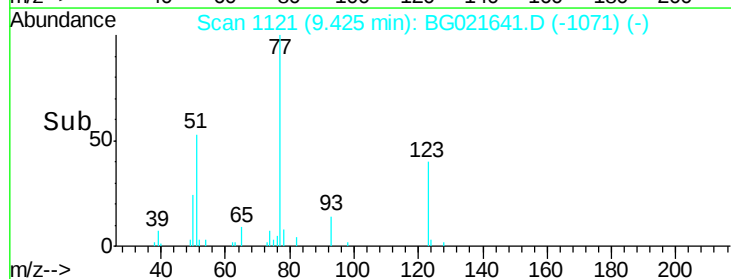
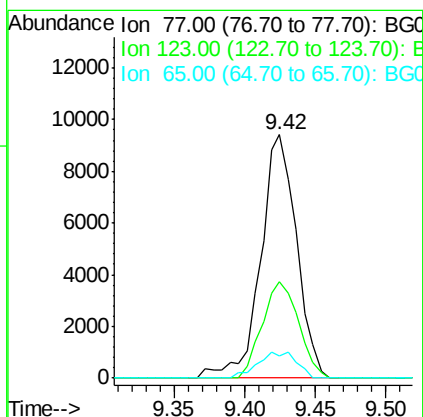
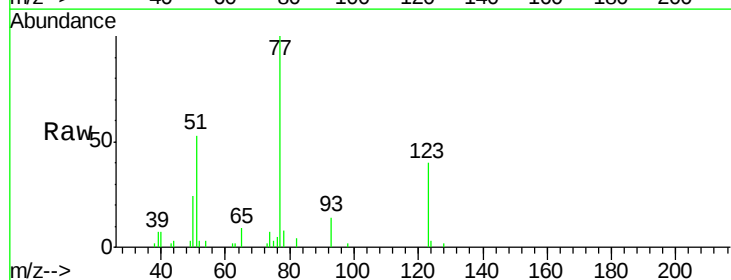
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

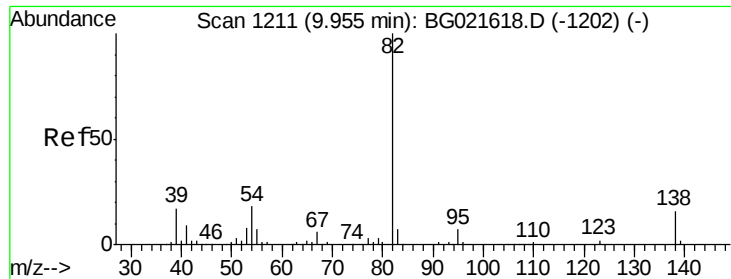
Tgt Ion: 82 Resp: 200448
Ion Ratio Lower Upper
82 100
128 42.1 33.4 50.0
54 55.7 46.1 69.1



#24
Nitrobenzene
Concen: 6.75 ng
RT: 9.42 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Tgt Ion: 77 Resp: 16774
Ion Ratio Lower Upper
77 100
123 39.7 32.2 48.4
65 9.1 10.3 15.5#





#25

Isophorone

Concen: 5.75 ng

RT: 9.94 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

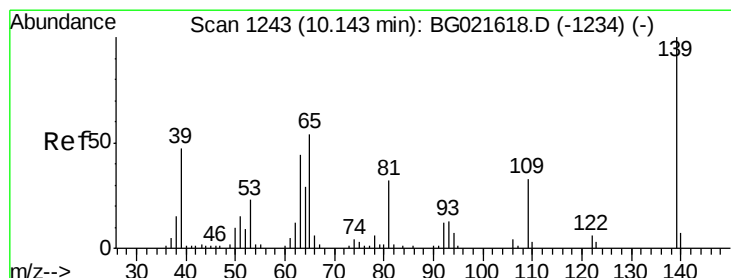
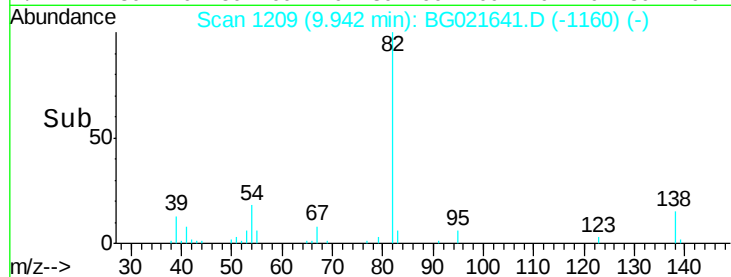
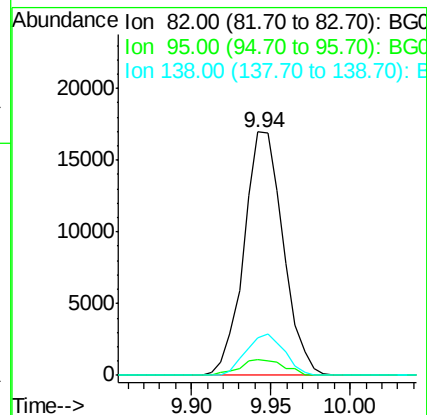
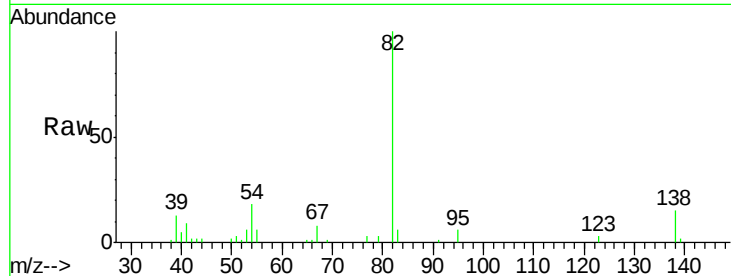
Tgt Ion: 82 Resp: 29227

Ion Ratio Lower Upper

82 100

95 6.4 6.0 9.0

138 15.5 13.4 20.0



#26

2-Nitrophenol

Concen: 5.15 ng

RT: 10.14 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

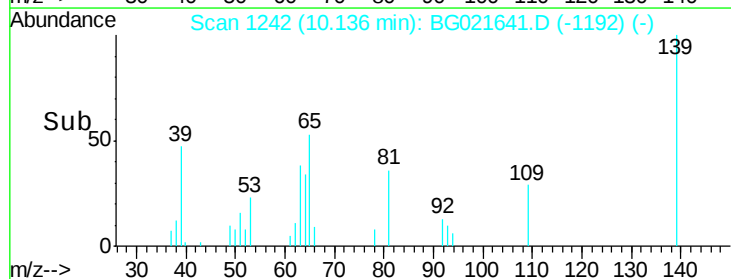
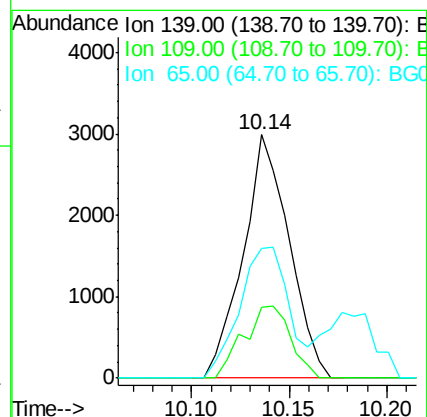
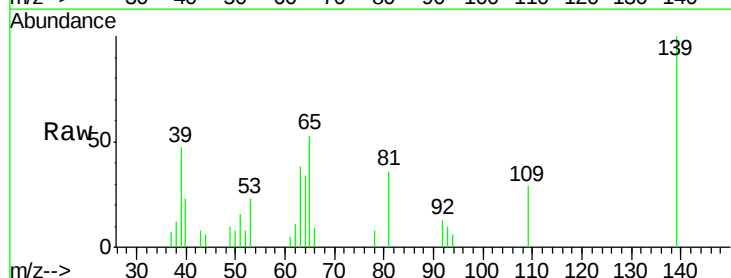
Tgt Ion: 139 Resp: 4887

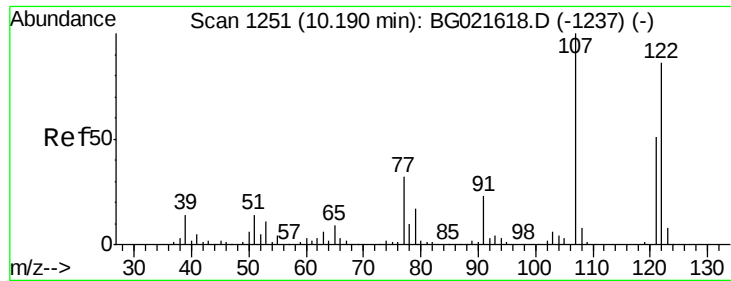
Ion Ratio Lower Upper

139 100

109 28.9 26.6 40.0

65 53.4 45.3 67.9

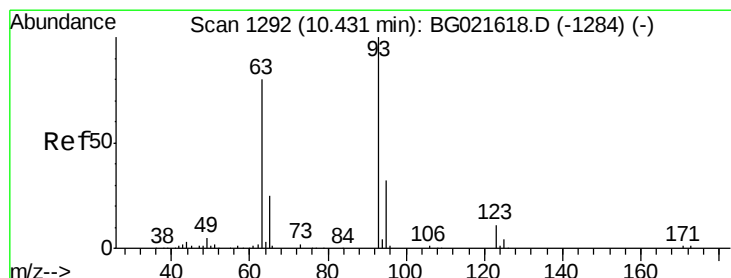
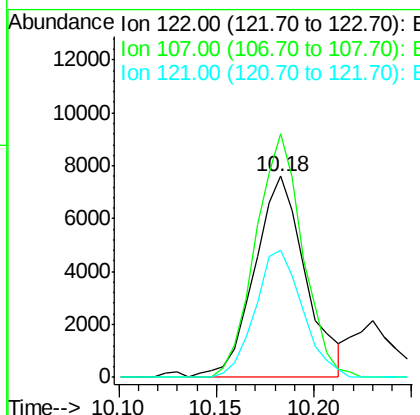
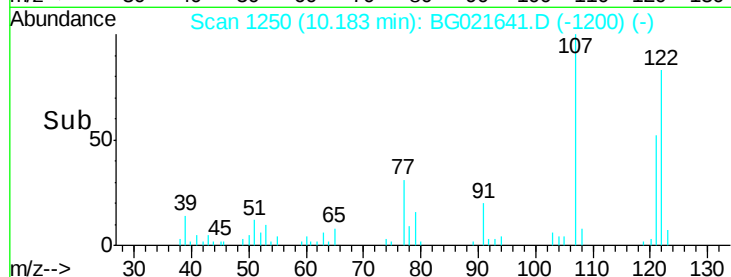
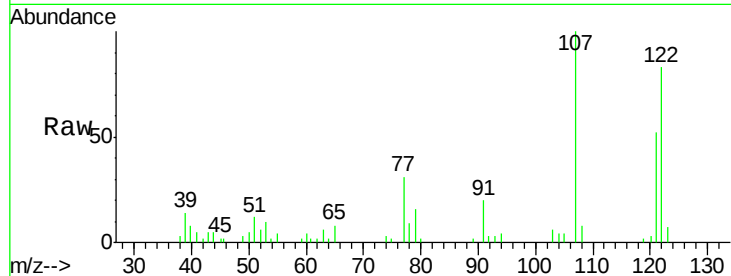




#27
 2,4-Dimethylphenol
 Concen: 6.38 ng
 RT: 10.18 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

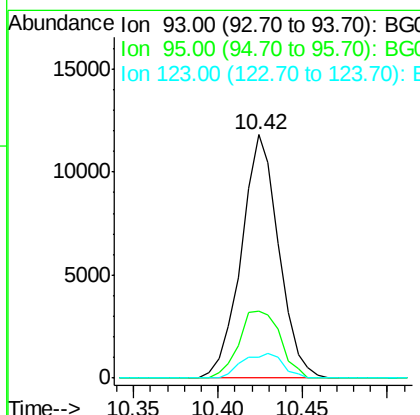
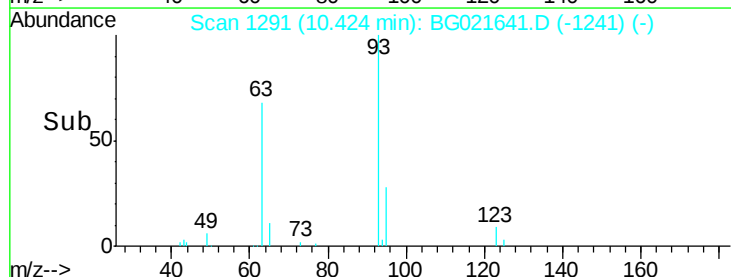
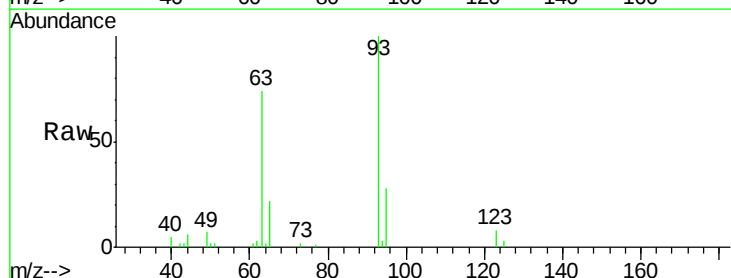
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

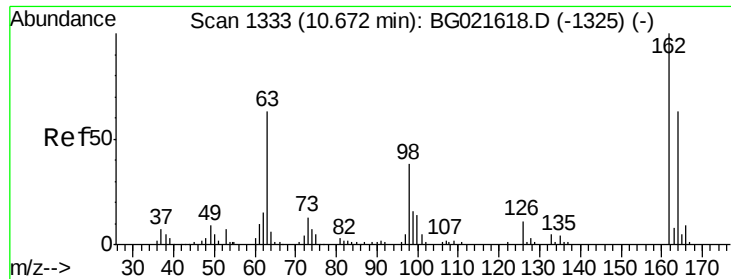
Tgt Ion: 122 Resp: 13756
 Ion Ratio Lower Upper
 122 100
 107 120.9 97.2 145.8
 121 63.0 49.0 73.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 6.74 ng
 RT: 10.42 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Tgt Ion: 93 Resp: 18195
 Ion Ratio Lower Upper
 93 100
 95 27.6 30.1 45.1#
 123 8.4 10.2 15.4#

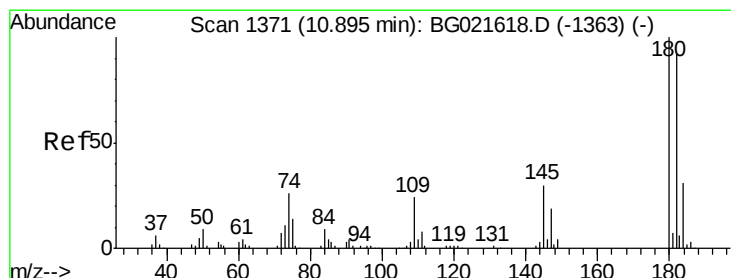
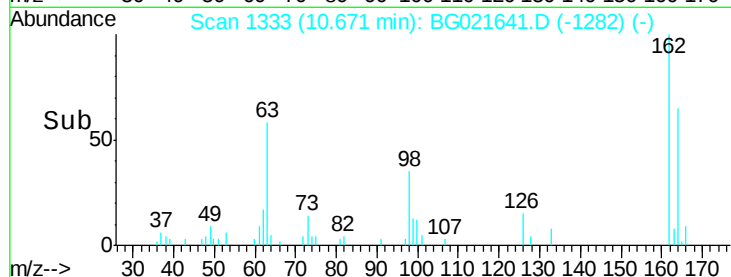
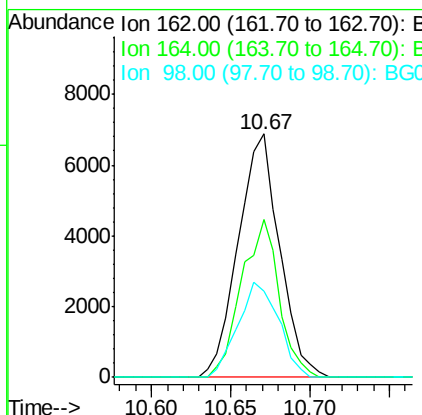
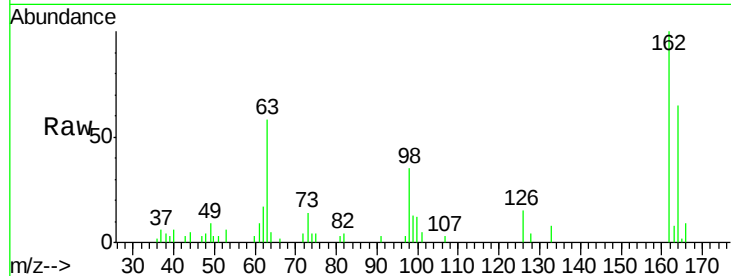




#29
 2,4-Dichlorophenol
 Concen: 6.77 ng
 RT: 10.67 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

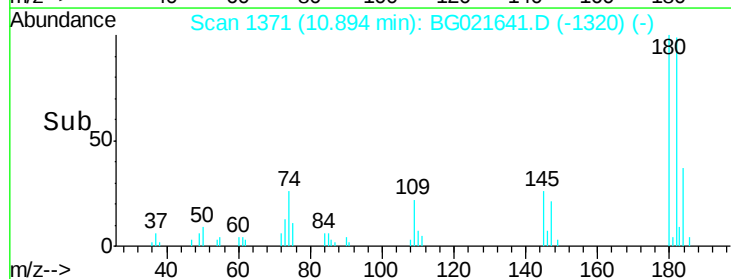
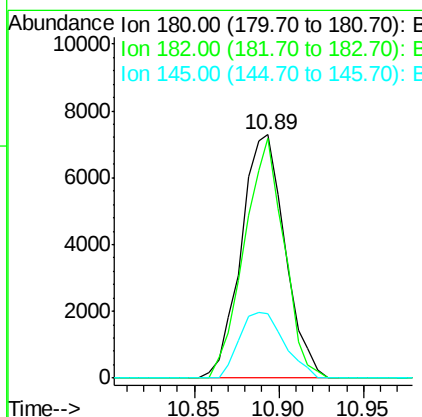
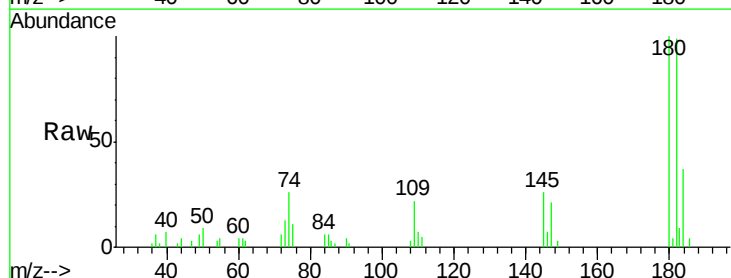
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

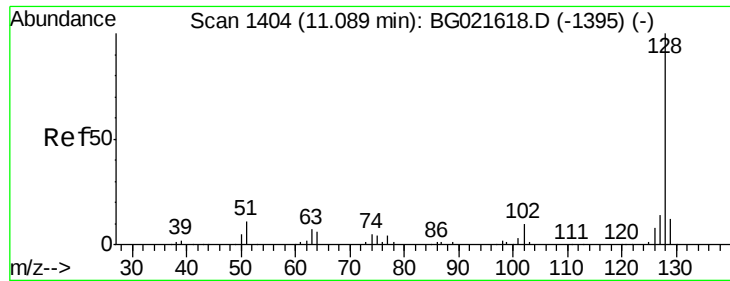
Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.9	84.9
98	35.4	19.2	59.2



#30
 1,2,4-Trichlorobenzene
 Concen: 6.65 ng
 RT: 10.89 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	82.3	123.5
145	26.3	24.4	36.6

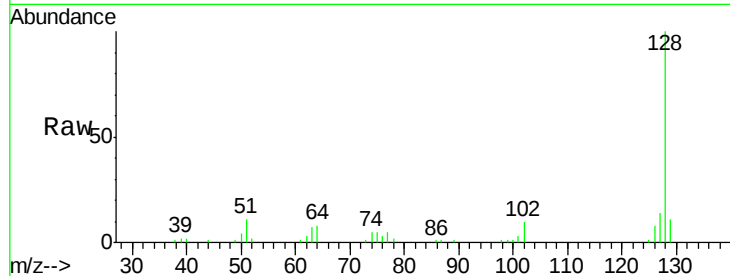




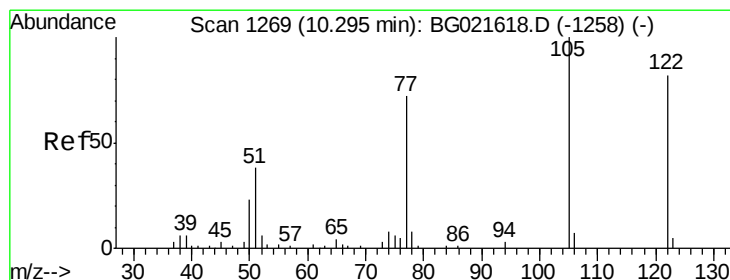
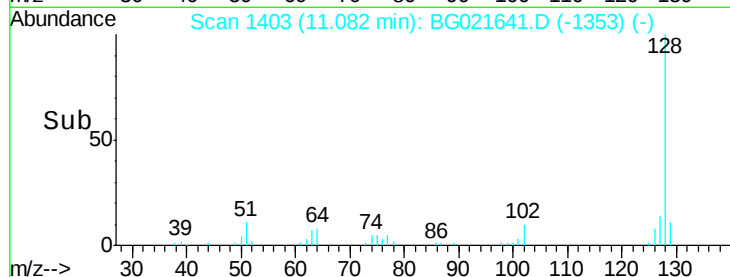
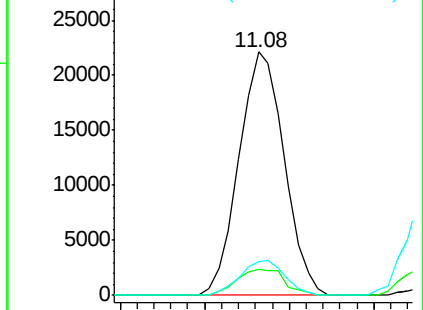
#31
Naphthalene
Concen: 6.42 ng
RT: 11.08 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:128 Resp: 41040
Ion Ratio Lower Upper
128 100
129 10.6 7.0 10.6#
127 14.0 10.1 15.1

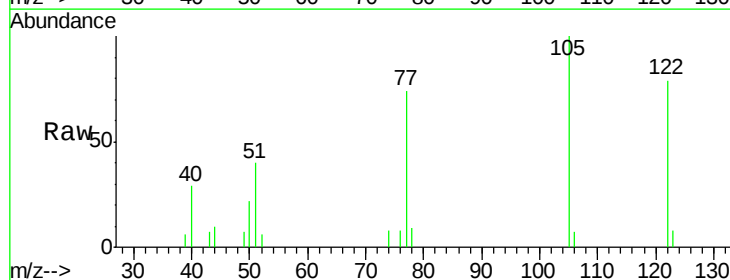


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

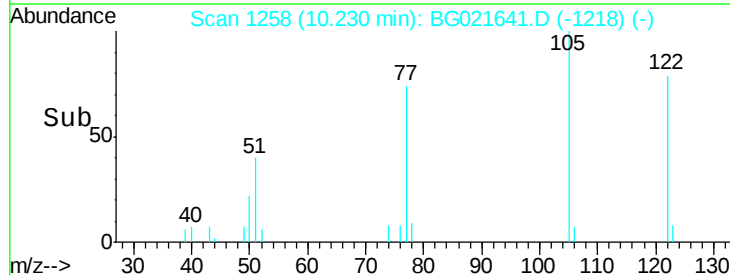
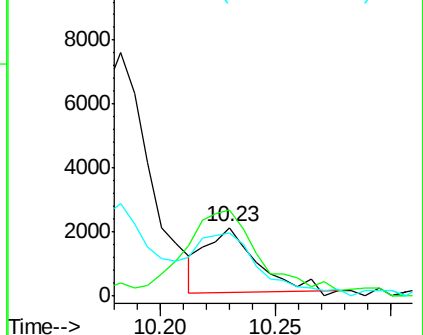


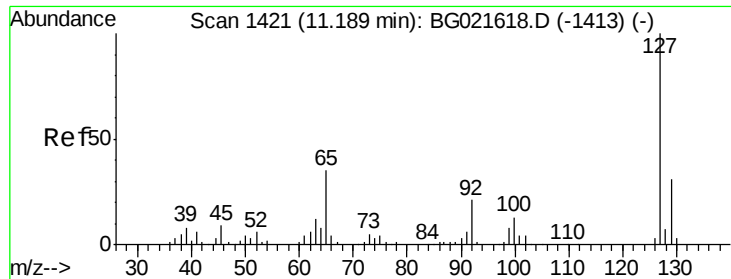
#32
Benzoic acid
Concen: 7.14 ng
RT: 10.23 min Scan# 1258
Delta R.T. -0.07 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Tgt Ion:122 Resp: 3101
Ion Ratio Lower Upper
122 100
105 125.9 104.5 144.5
77 92.8 79.9 119.9



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

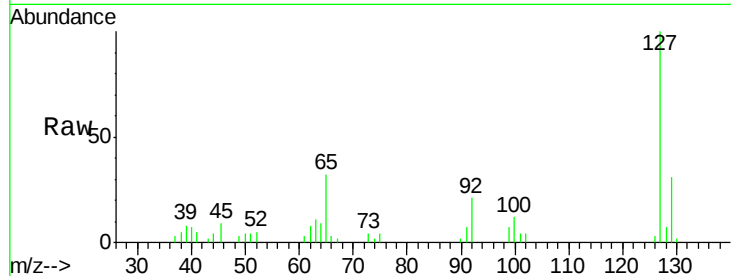




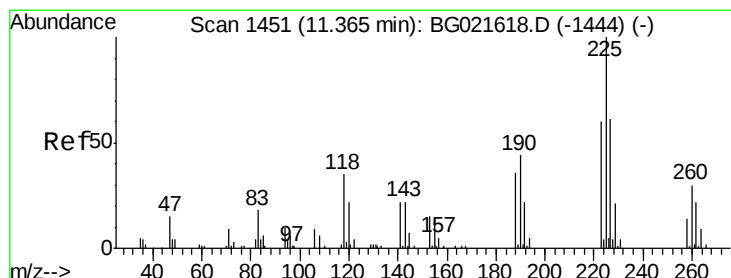
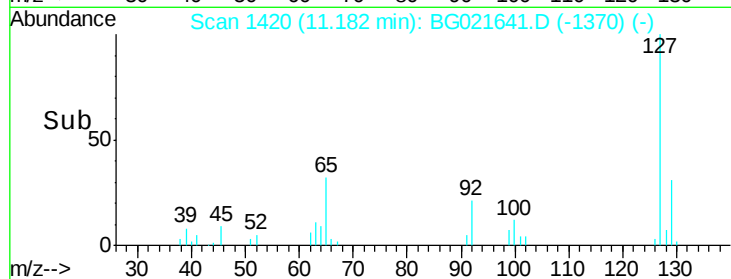
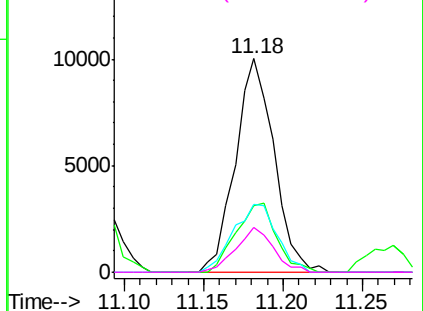
#33
4-Chloroaniline
Concen: 6.12 ng
RT: 11.18 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:	127	Resp:	16934
Ion	Ratio	Lower	Upper
127	100		
129	31.4	26.6	39.8
65	31.5	27.5	41.3
92	20.8	14.7	22.1

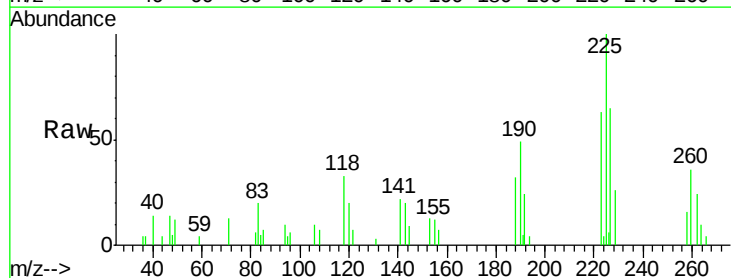


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

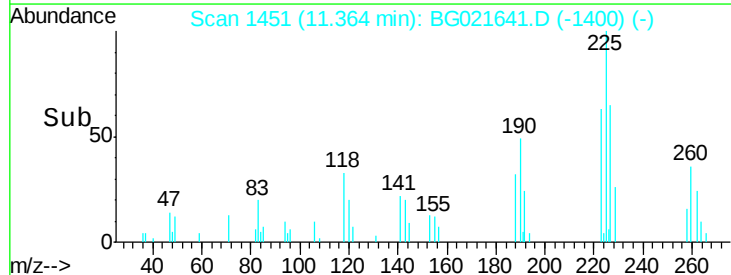
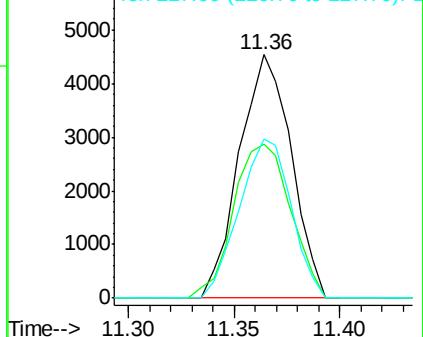


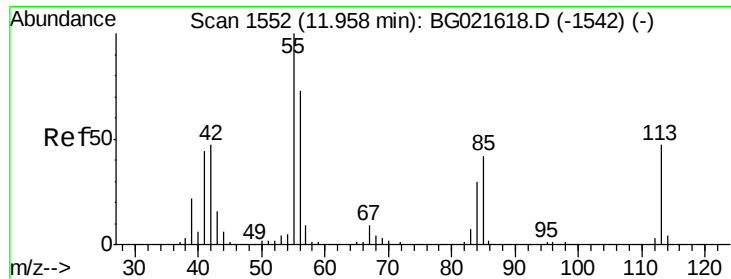
#34
Hexachlorobutadiene
Concen: 6.08 ng
RT: 11.36 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Tgt Ion:	225	Resp:	7751
Ion	Ratio	Lower	Upper
225	100		
223	63.4	52.7	79.1
227	65.4	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: 6.03 ng

RT: 11.93 min Scan# 1547

Delta R.T. -0.03 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

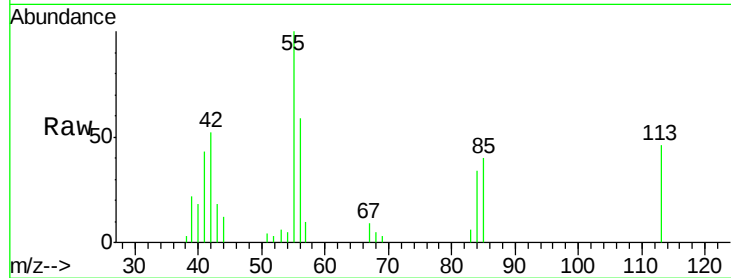
Tgt Ion:113 Resp: 5070

Ion Ratio Lower Upper

113 100

55 216.1 194.2 234.2

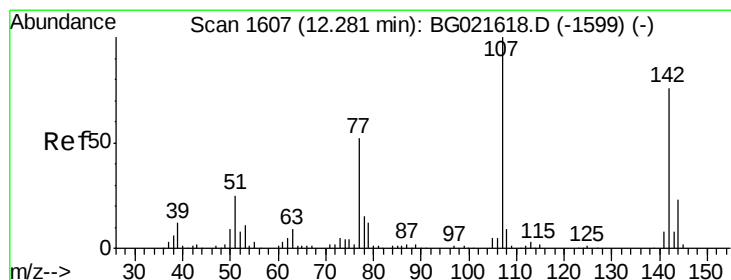
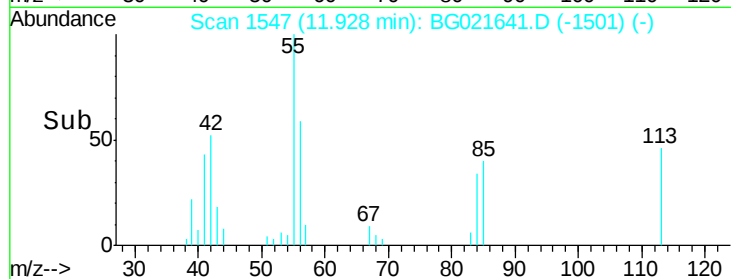
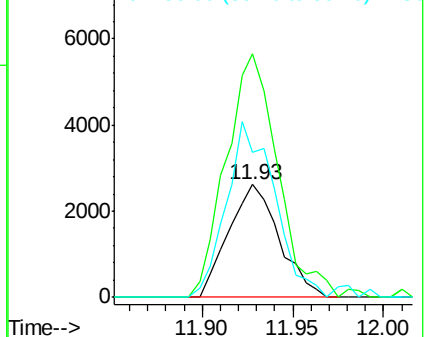
56 128.5 122.6 162.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG021641.D (-1542) (-)

Ion 56.00 (55.70 to 56.70): BG021641.D (-1542) (-)



#36

4-Chloro-3-methylphenol

Concen: 6.70 ng

RT: 12.27 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

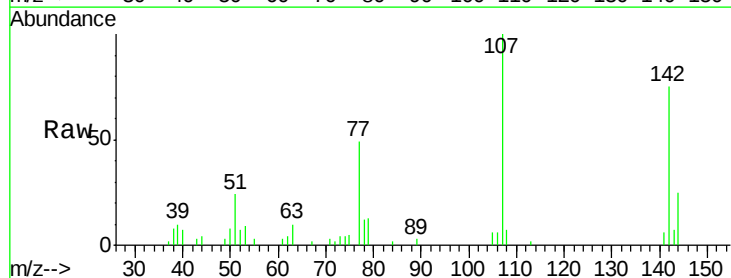
Tgt Ion:107 Resp: 15493

Ion Ratio Lower Upper

107 100

144 25.2 19.2 28.8

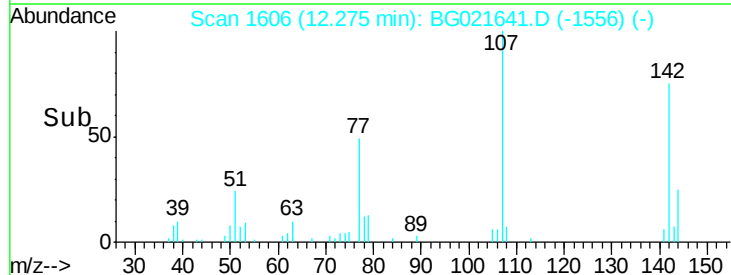
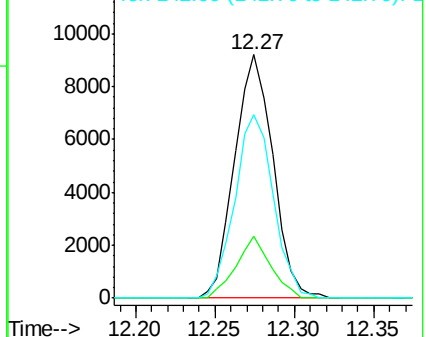
142 75.1 59.1 88.7

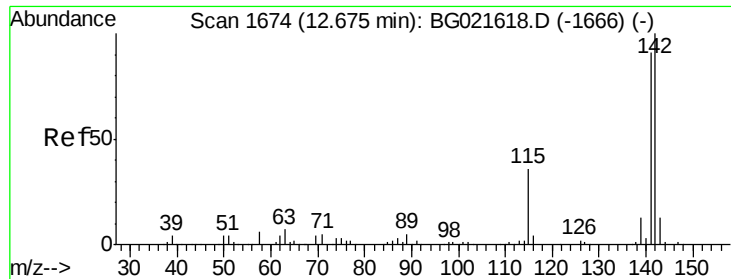


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

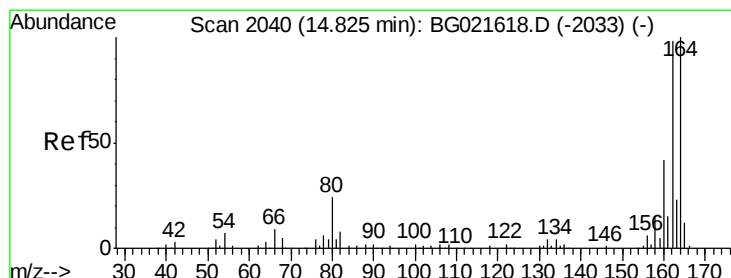
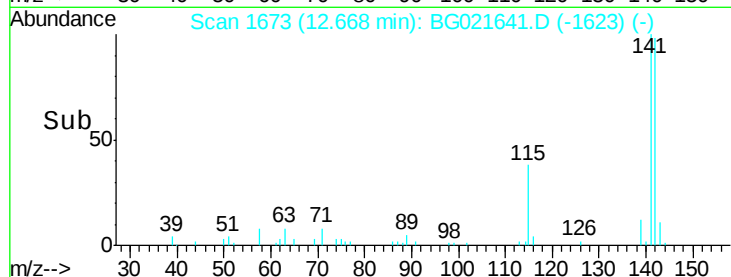
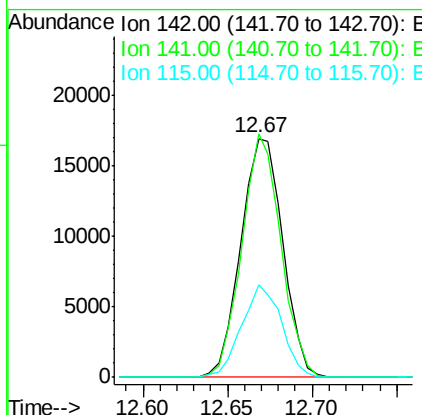
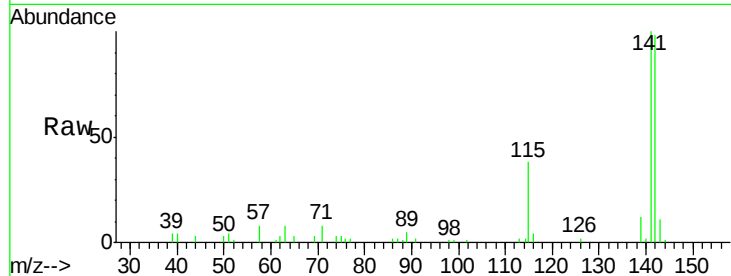




#37
 2-Methylnaphthalene
 Concen: 6.67 ng
 RT: 12.67 min Scan# 1673
 Delta R.T. -0.01 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

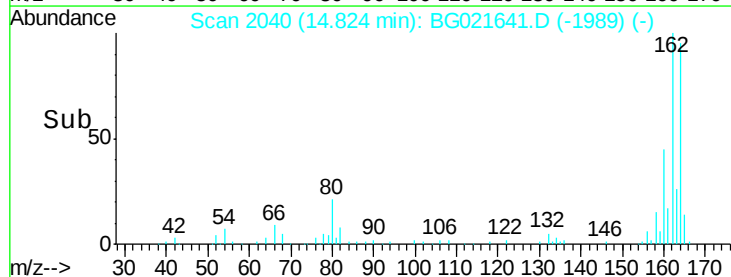
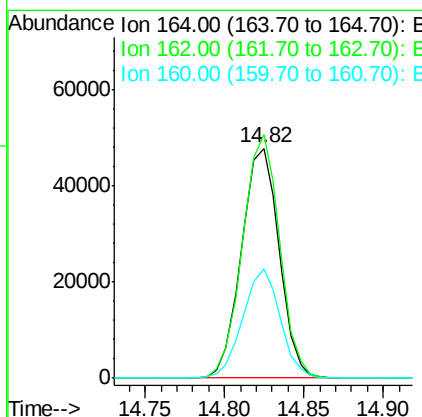
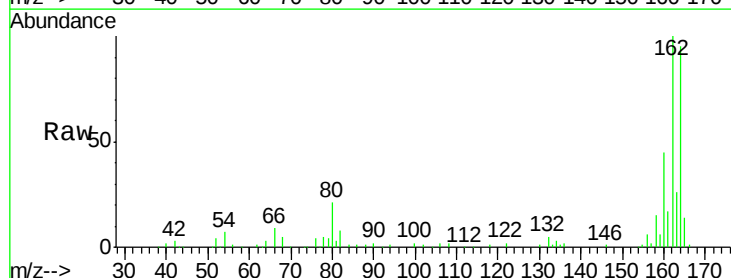
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

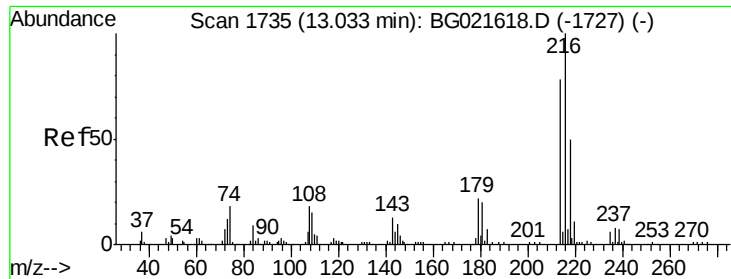
Tgt Ion:142 Resp: 29263
 Ion Ratio Lower Upper
 142 100
 141 101.8 71.4 107.0
 115 38.5 27.4 41.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2040
 Delta R.T. -0.00 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Tgt Ion:164 Resp: 78864
 Ion Ratio Lower Upper
 164 100
 162 105.8 78.0 117.0
 160 47.3 32.9 49.3

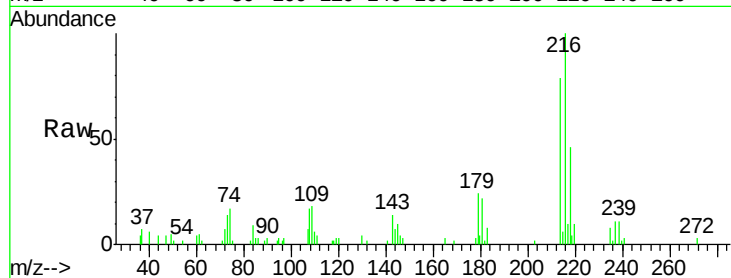




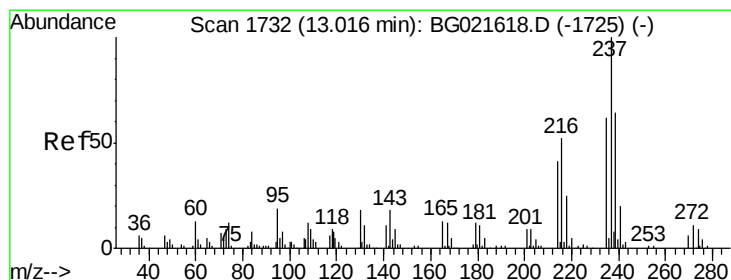
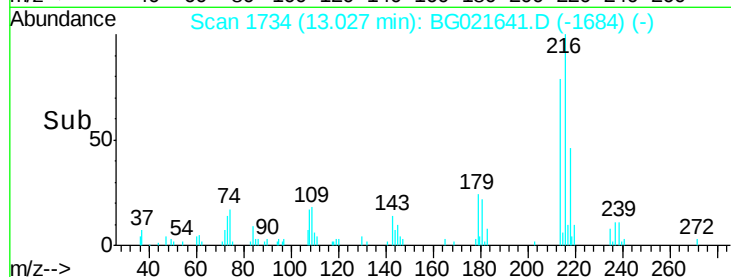
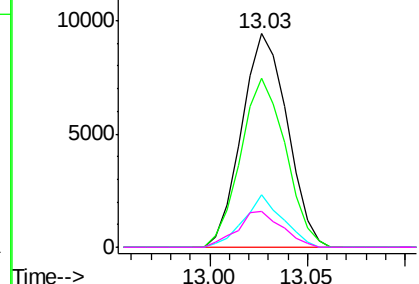
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 6.18 ng
 RT: 13.03 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:	216	Resp:	15220
Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.2	93.2
179	21.0	16.7	25.1
108	16.7	14.0	21.0

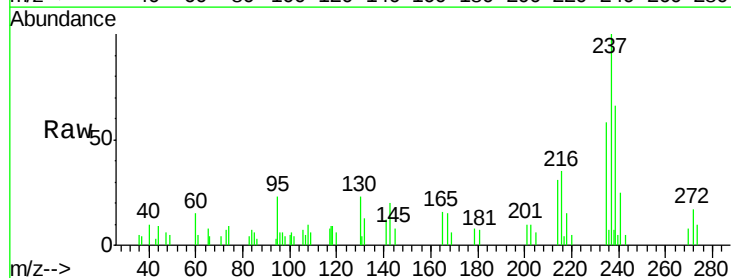


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

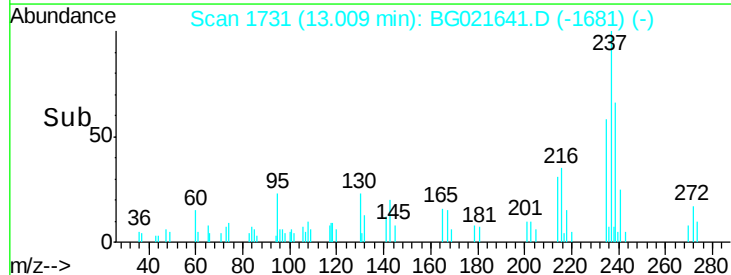
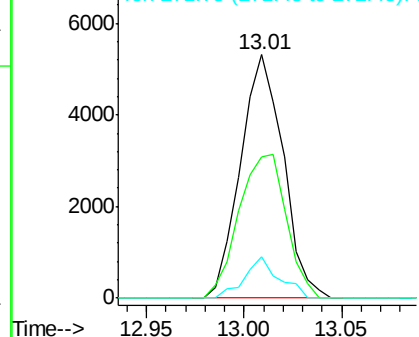


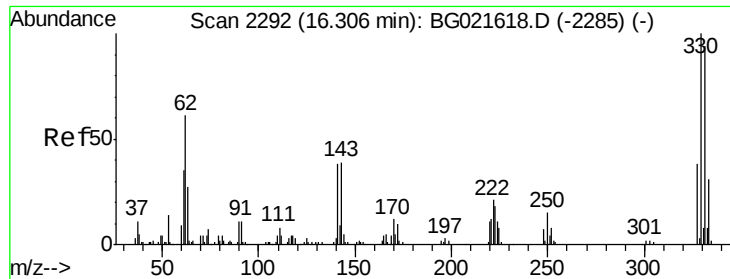
#40
 Hexachlorocyclopentadiene
 Concen: 5.86 ng
 RT: 13.01 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Tgt Ion:	237	Resp:	8028
Ion	Ratio	Lower	Upper
237	100		
235	57.8	43.2	83.2
272	17.1	0.0	33.4



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

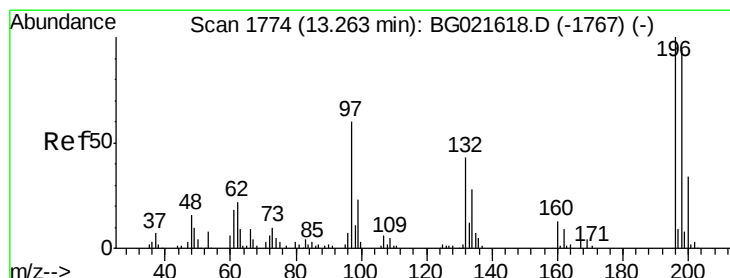
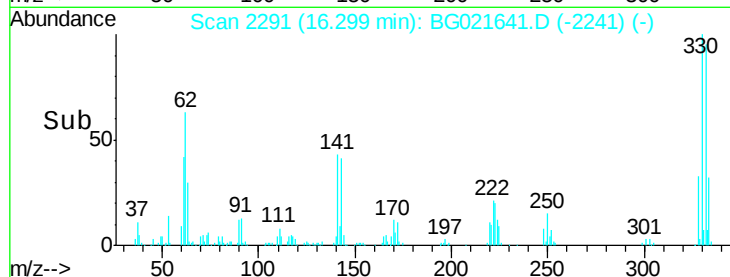
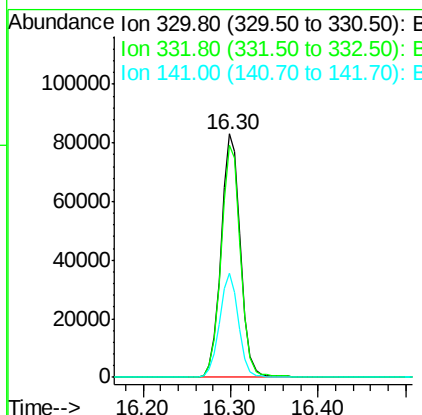
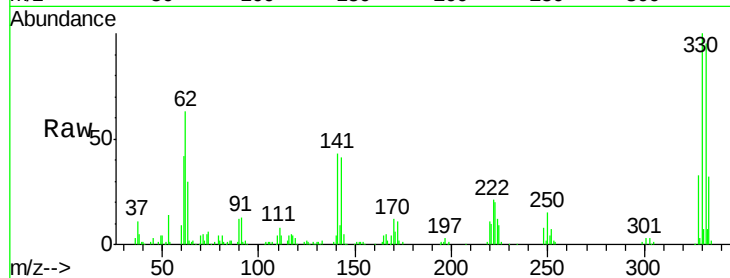




#41
 2,4,6-Tribromophenol
 Concen: 149.36 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

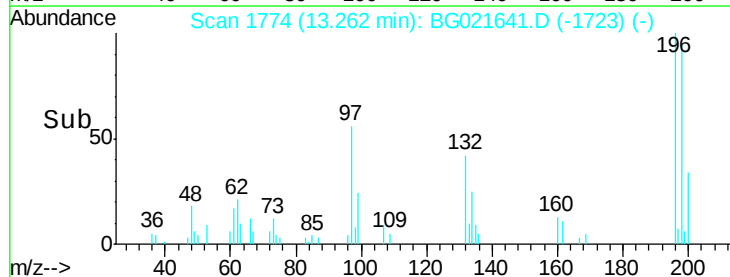
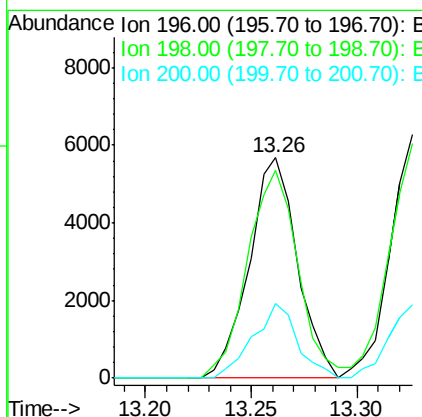
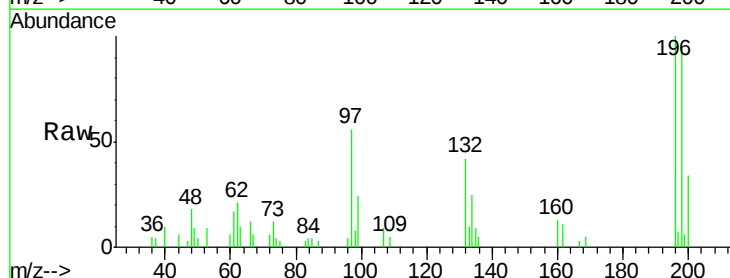
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:330 Resp: 126951
 Ion Ratio Lower Upper
 330 100
 332 95.4 78.0 117.0
 141 41.8 33.8 50.8



#42
 2,4,6-Trichlorophenol
 Concen: 5.73 ng
 RT: 13.26 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Tgt Ion:196 Resp: 8998
 Ion Ratio Lower Upper
 196 100
 198 94.2 80.1 120.1
 200 33.6 24.1 36.1

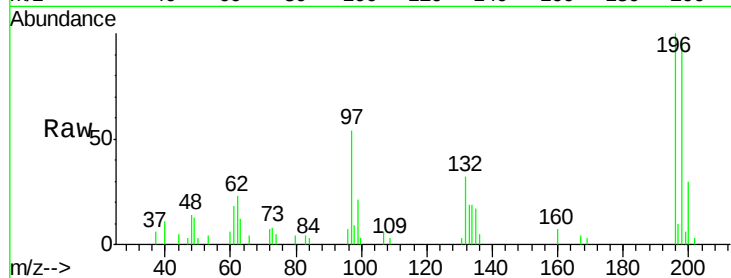




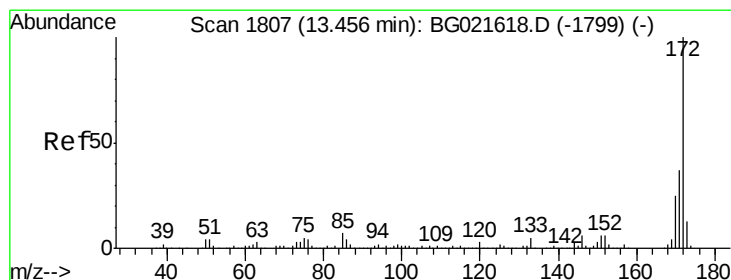
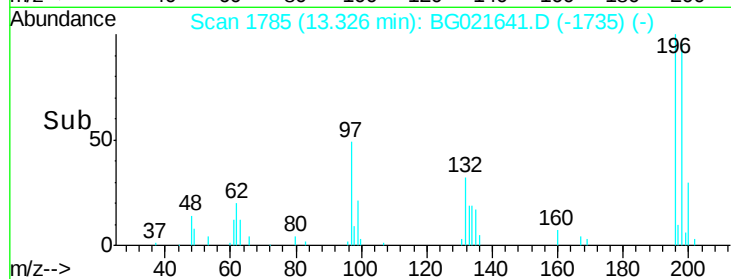
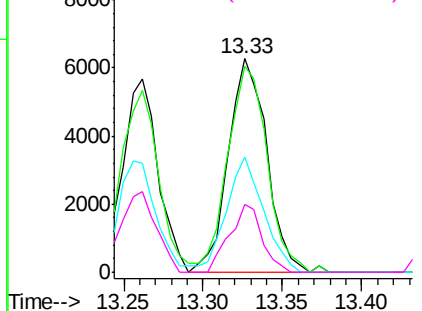
#43
 2,4,5-Trichlorophenol
 Concen: 6.22 ng
 RT: 13.33 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:	196	Resp:	10547
Ion	Ratio	Lower	Upper
196	100		
198	96.3	78.0	117.0
97	53.9	43.0	64.6
132	31.9	23.0	34.4

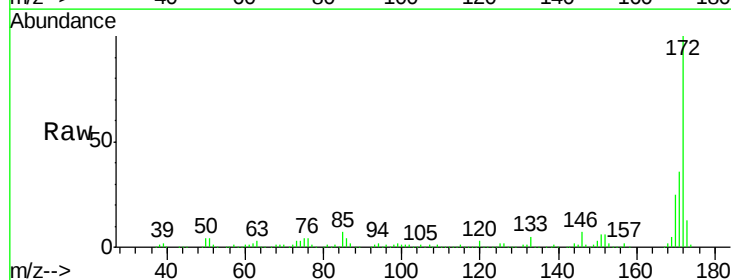


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BG
 Ion 132.00 (131.70 to 132.70): E

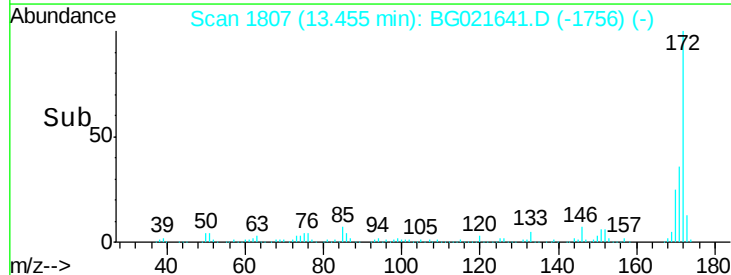
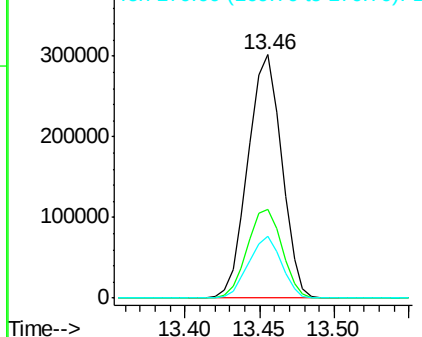


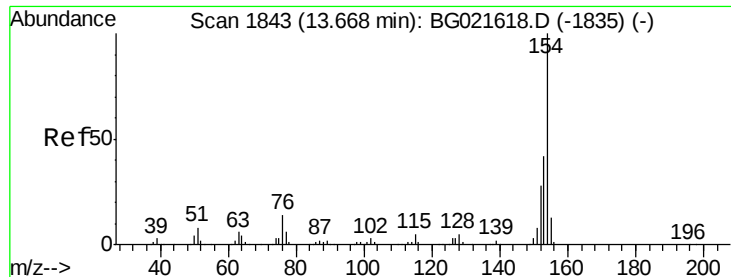
#44
 2-Fluorobiphenyl
 Concen: 87.77 ng
 RT: 13.46 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Tgt Ion:	172	Resp:	472430
Ion	Ratio	Lower	Upper
172	100		
171	36.4	27.8	41.6
170	25.4	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

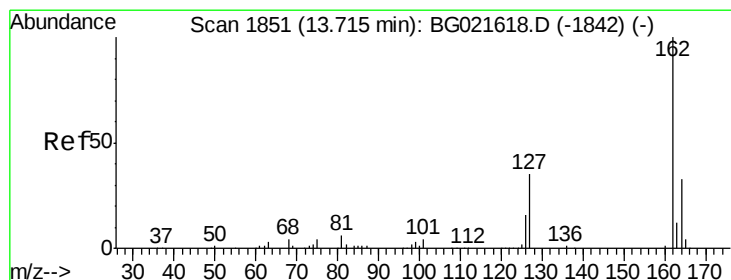
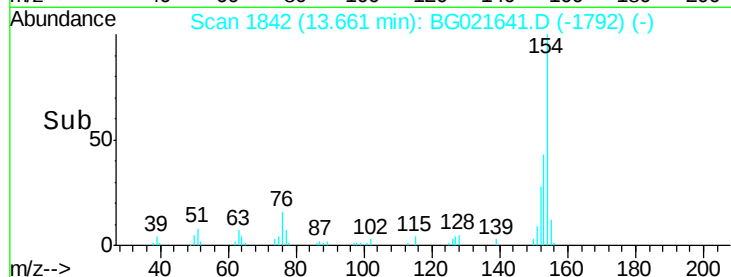
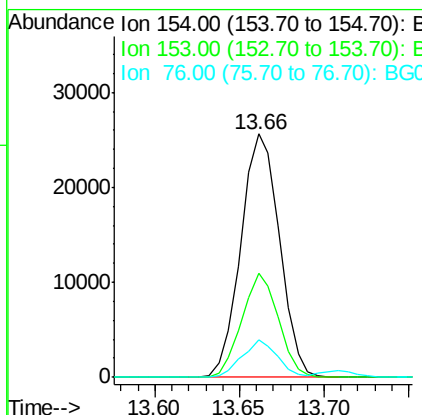
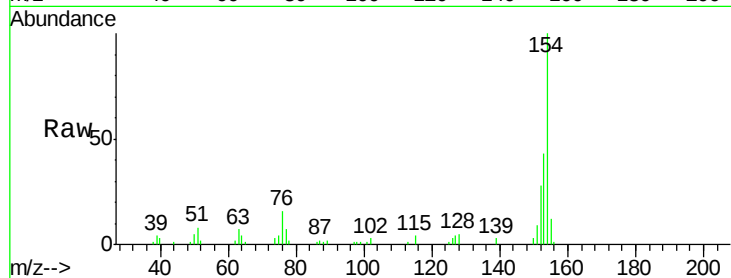




#45
1,1'-Biphenyl
Concen: 6.12 ng
RT: 13.66 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

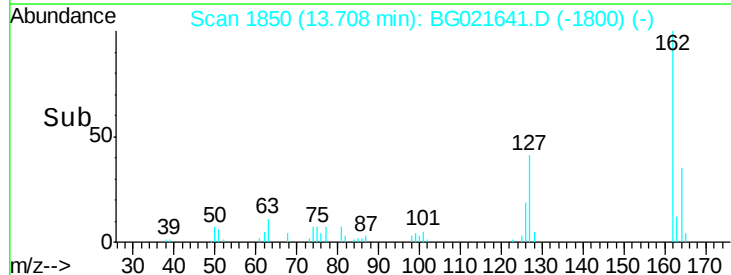
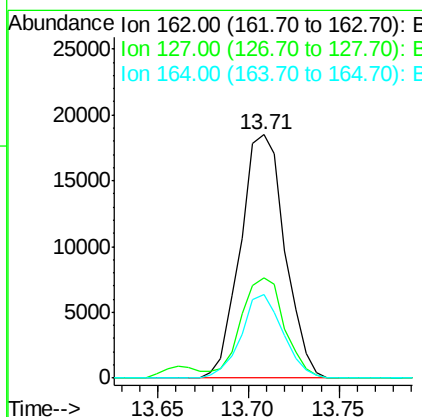
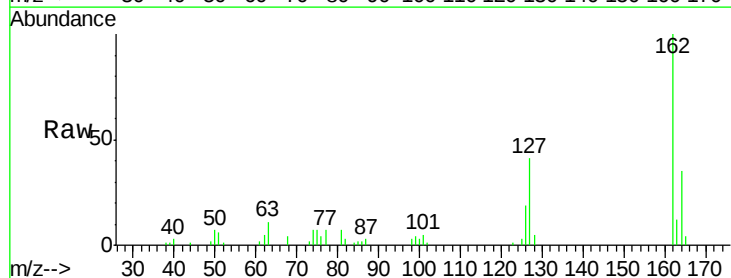
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

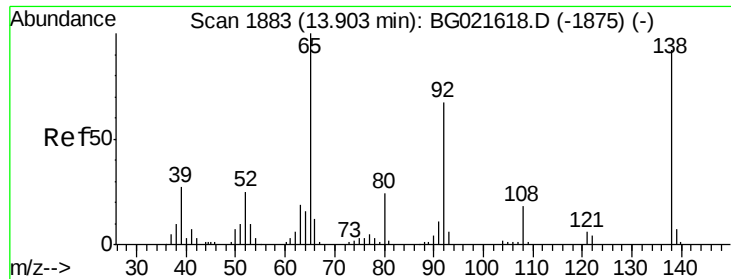
Tgt Ion:154 Resp: 40679
Ion Ratio Lower Upper
154 100
153 42.7 19.7 59.7
76 15.6 0.0 33.0



#46
2-Chloronaphthalene
Concen: 6.41 ng
RT: 13.71 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Tgt Ion:162 Resp: 31475
Ion Ratio Lower Upper
162 100
127 41.1 32.0 48.0
164 34.5 27.0 40.4

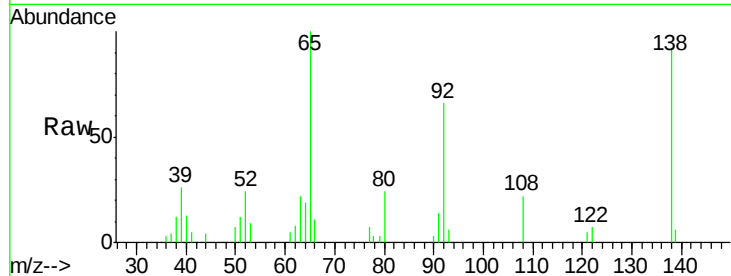




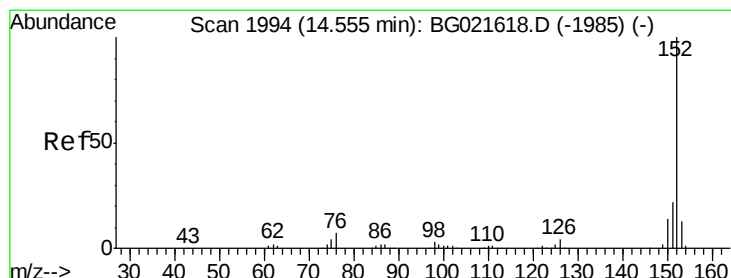
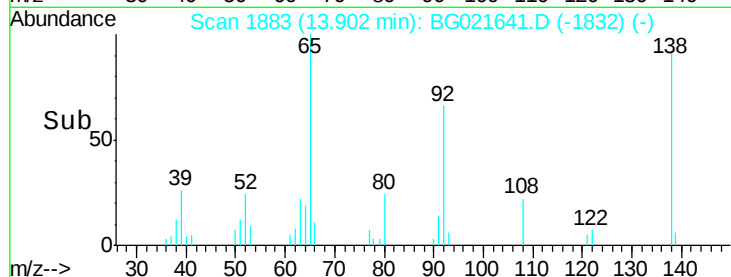
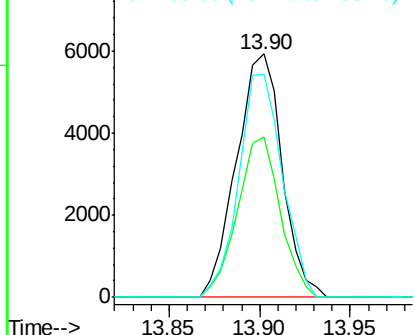
#47
2-Nitroaniline
Concen: 6.16 ng
RT: 13.90 min Scan# 1883
Delta R.T. -0.00 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion: 65 Resp: 10380
Ion Ratio Lower Upper
65 100
92 65.6 49.2 73.8
138 91.6 75.0 112.6

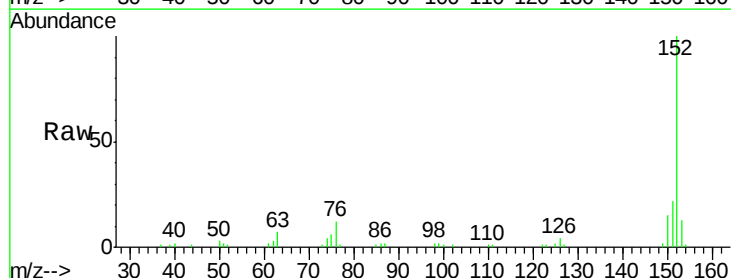


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

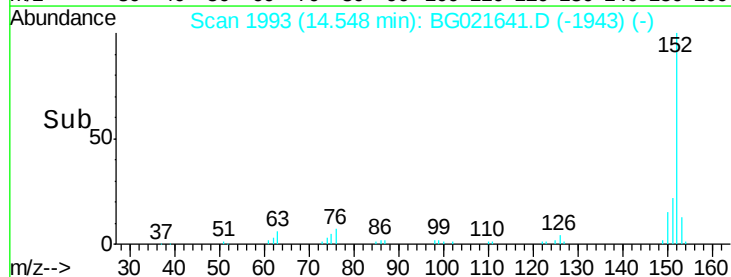
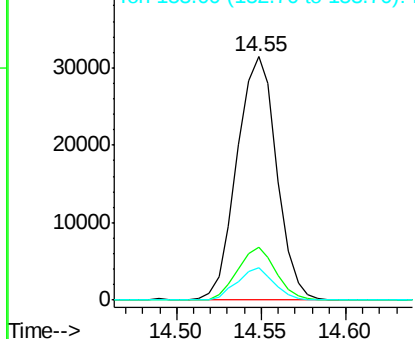


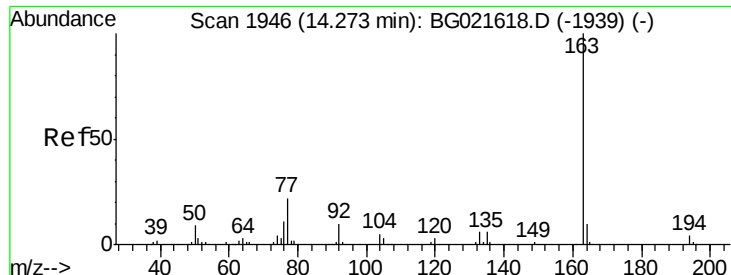
#48
Acenaphthylene
Concen: 6.35 ng
RT: 14.55 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Tgt Ion: 152 Resp: 51570
Ion Ratio Lower Upper
152 100
151 21.9 16.6 24.8
153 13.5 10.2 15.2



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





#49

Dimethylphthalate

Concen: 6.31 ng

RT: 14.27 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

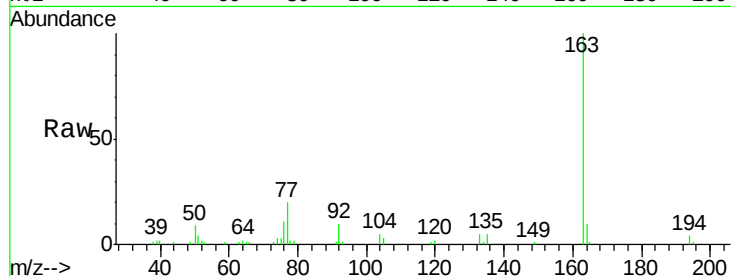
Tgt Ion:163 Resp: 43033

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

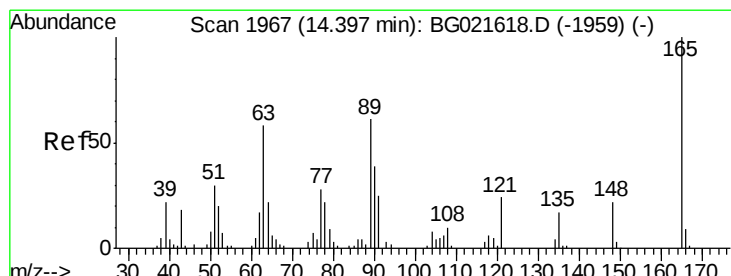
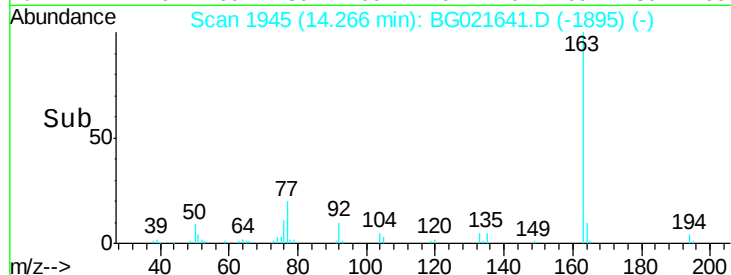
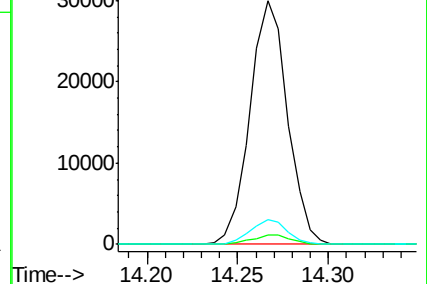
164 10.2 8.1 12.1



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: 5.99 ng

RT: 14.38 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

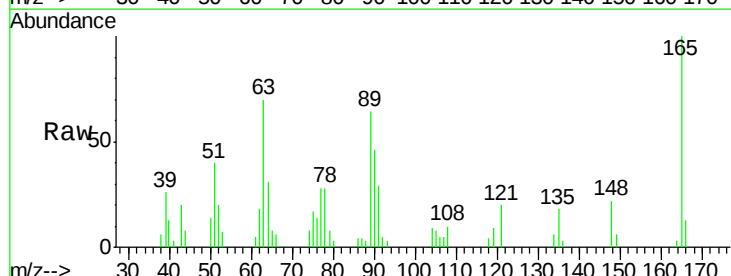
Tgt Ion:165 Resp: 7786

Ion Ratio Lower Upper

165 100

63 70.3 48.2 72.4

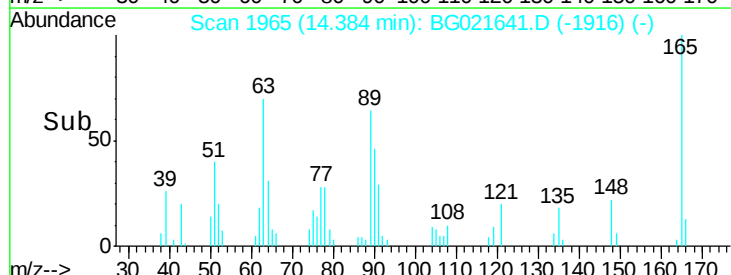
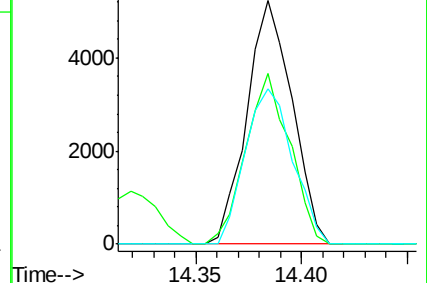
89 64.0 45.3 67.9

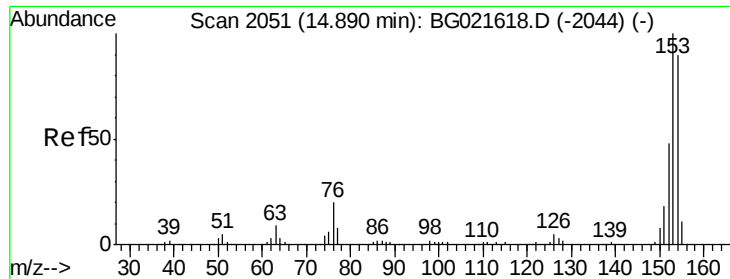


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#51

Acenaphthene

Concen: 6.15 ng

RT: 14.89 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

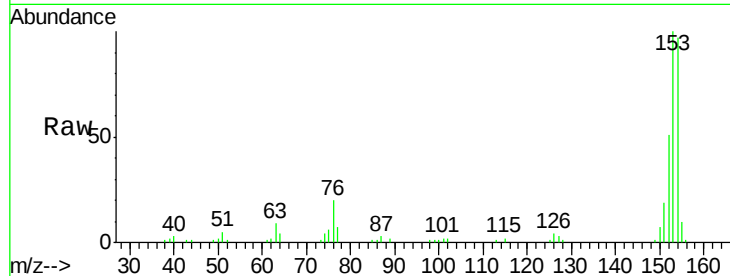
Tgt Ion:154 Resp: 31950

Ion Ratio Lower Upper

154 100

153 102.6 91.9 137.9

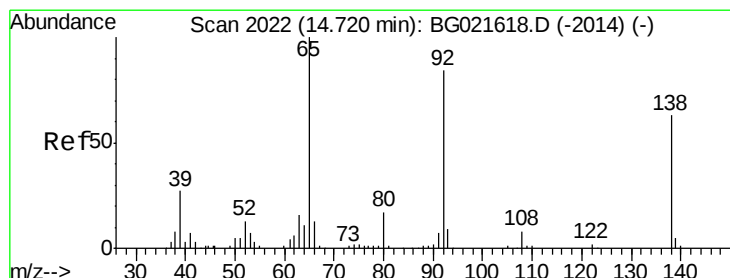
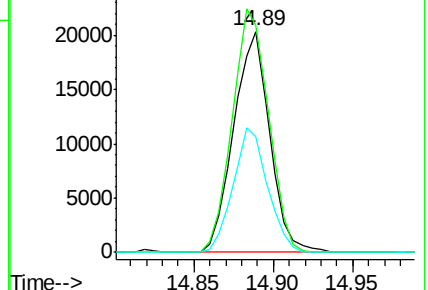
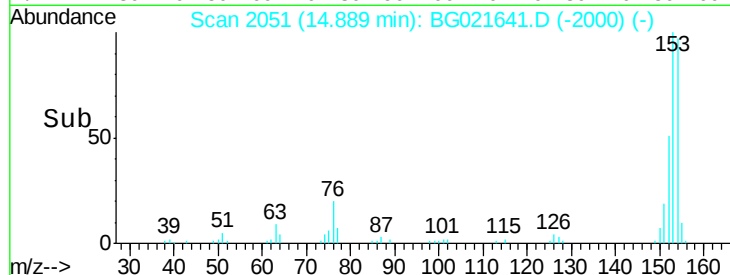
152 52.2 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 5.97 ng

RT: 14.71 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

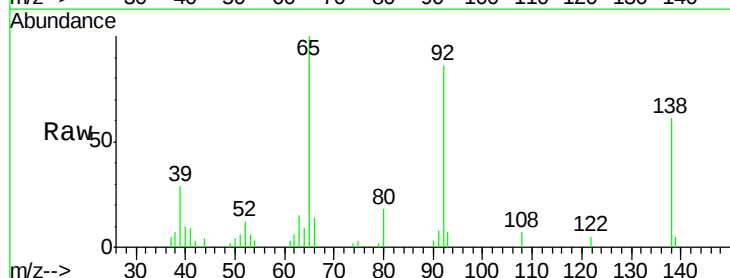
Tgt Ion:138 Resp: 8610

Ion Ratio Lower Upper

138 100

108 11.8 9.1 13.7

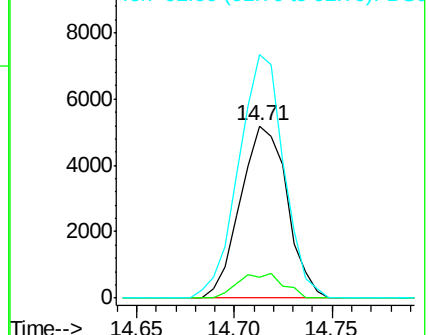
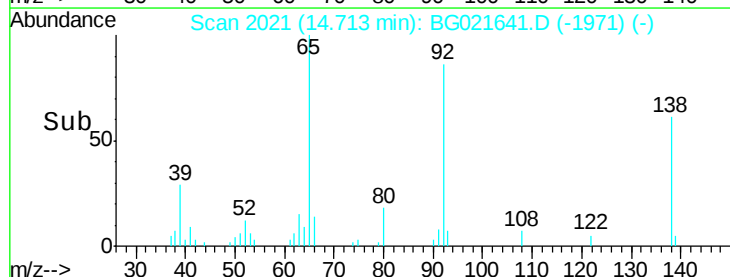
92 141.4 102.6 154.0

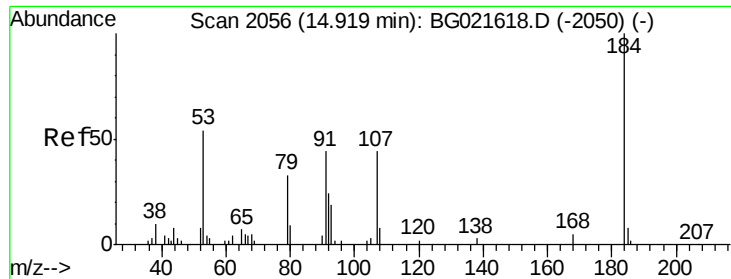


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

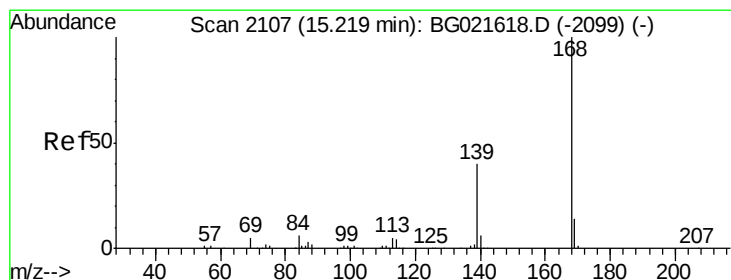
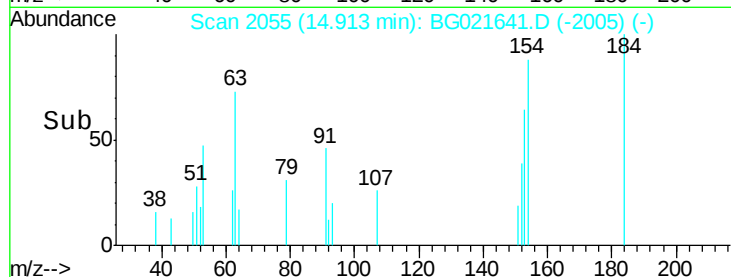
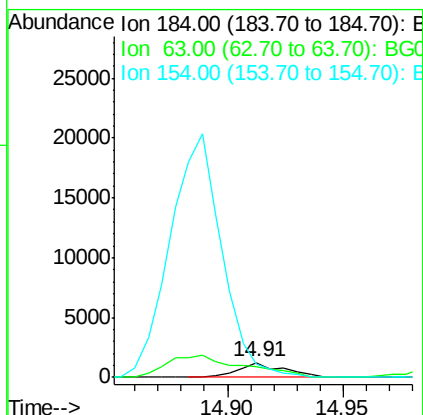
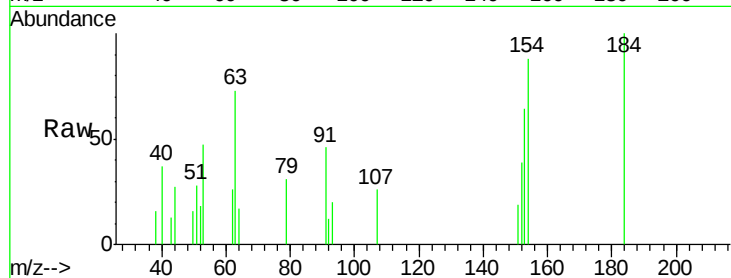




#53
 2,4-Dinitrophenol
 Concen: 10.48 ng
 RT: 14.91 min Scan# 2055
 Delta R.T. -0.01 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

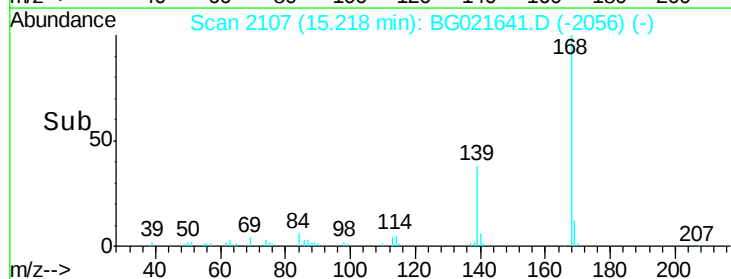
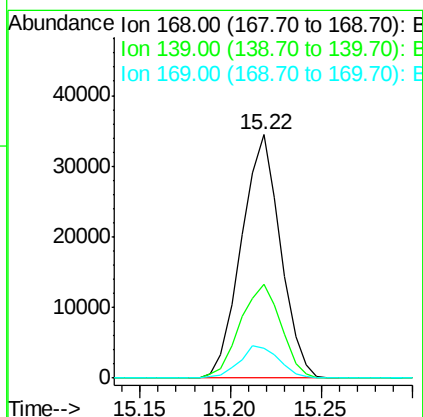
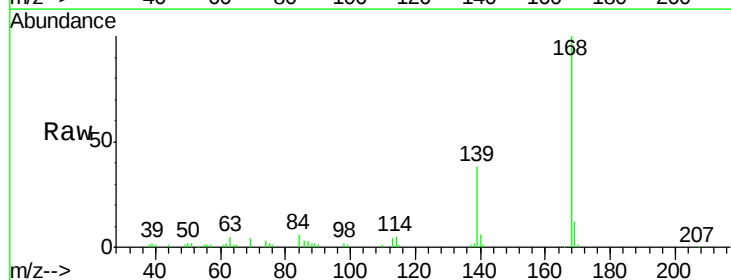
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

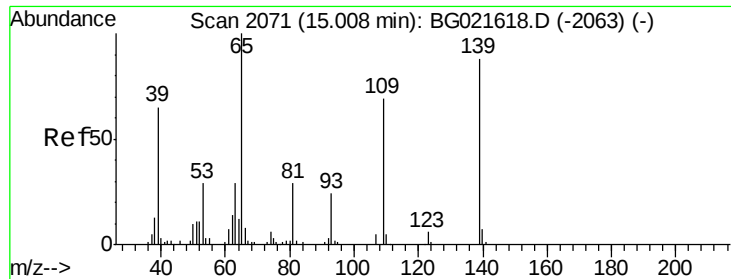
Tgt Ion:184 Resp: 1666
 Ion Ratio Lower Upper
 184 100
 63 73.2 57.3 85.9
 154 88.4 55.2 82.8#



#54
 Dibenzofuran
 Concen: 7.28 ng
 RT: 15.22 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Tgt Ion:168 Resp: 51589
 Ion Ratio Lower Upper
 168 100
 139 38.3 31.1 46.7
 169 12.0 11.0 16.6

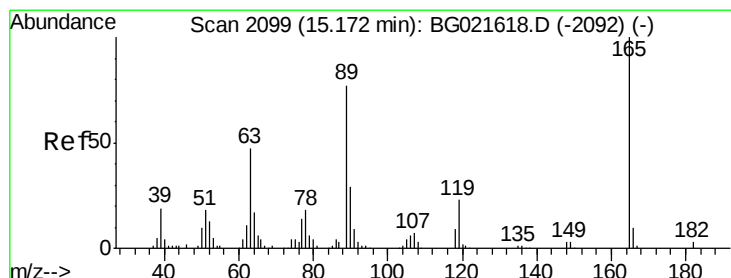
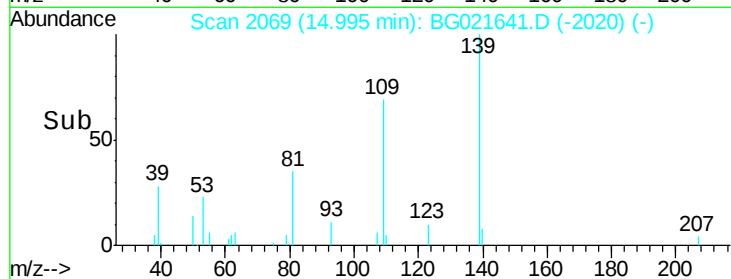
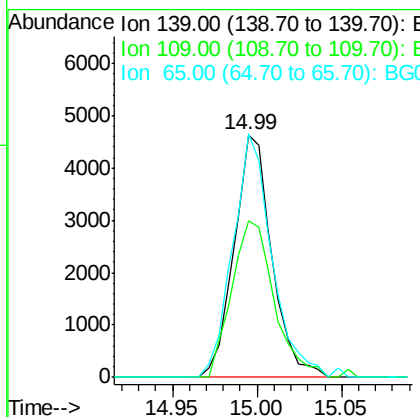
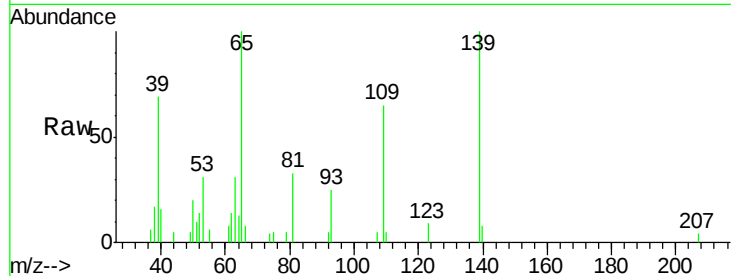




#55
4-Nitrophenol
Concen: 5.80 ng
RT: 14.99 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

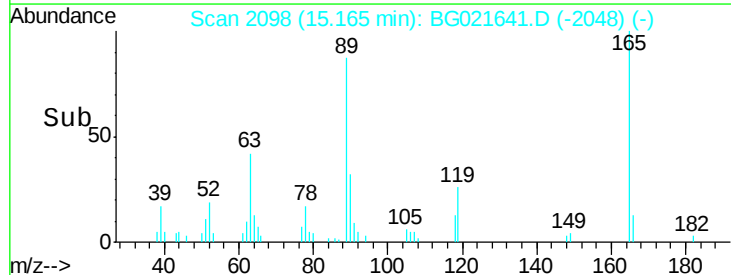
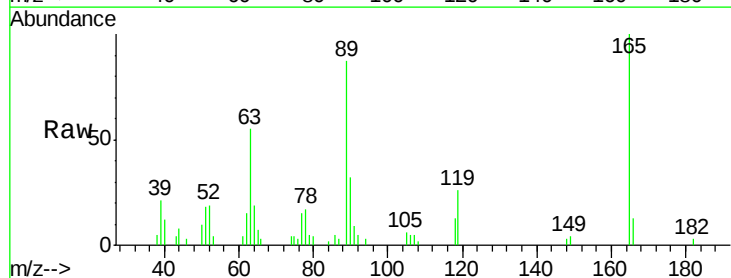
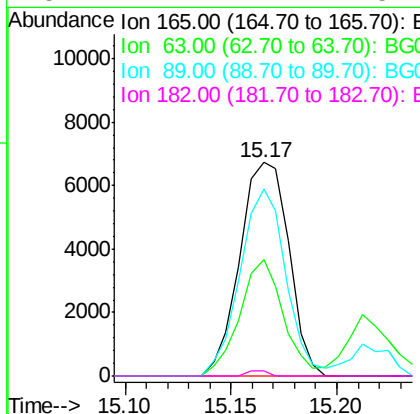
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

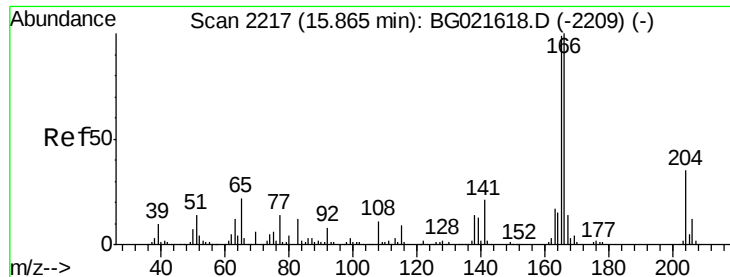
Tgt Ion:139 Resp: 7163
Ion Ratio Lower Upper
139 100
109 64.7 49.2 89.2
65 100.3 83.2 123.2



#56
2,4-Dinitrotoluene
Concen: 6.15 ng
RT: 15.17 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Tgt Ion:165 Resp: 10802
Ion Ratio Lower Upper
165 100
63 54.6 37.4 56.0
89 87.2 59.4 89.0
182 2.7 2.1 3.1





#57

Fluorene

Concen: 6.76 ng

RT: 15.86 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

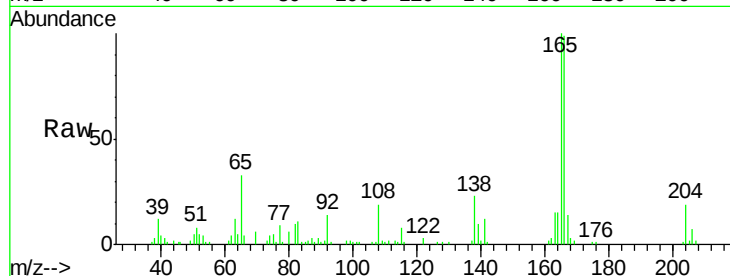
Tgt Ion:166 Resp: 42798

Ion Ratio Lower Upper

166 100

165 100.6 79.0 118.4

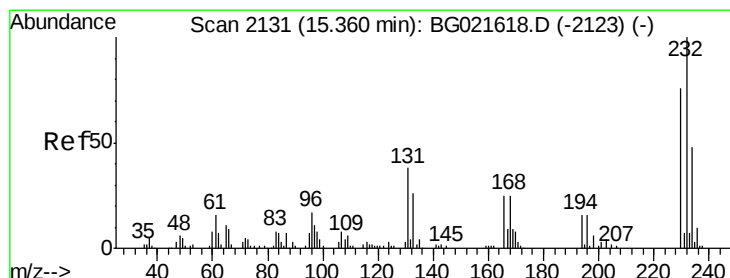
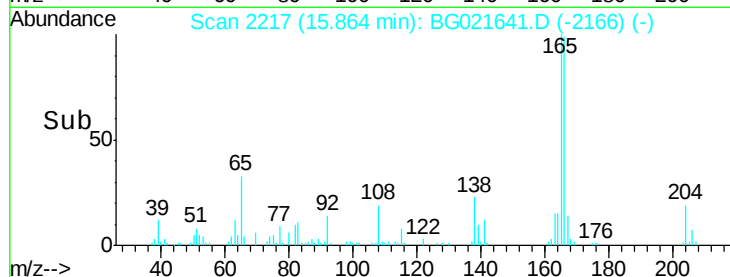
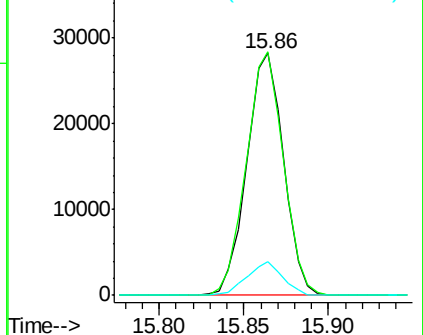
167 13.7 10.7 16.1



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: 6.43 ng

RT: 15.44 min Scan# 2144

Delta R.T. -0.00 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Tgt Ion:232 Resp: 9054

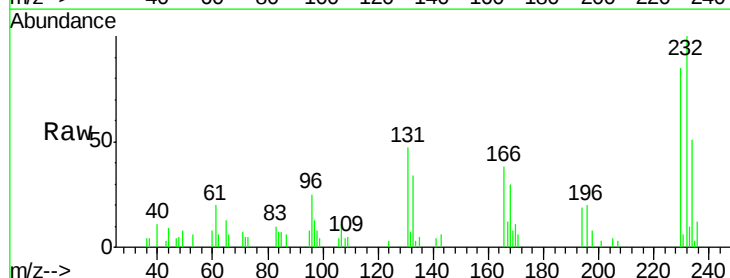
Ion Ratio Lower Upper

232 100

131 48.8 36.3 54.5

130 1.3 1.9 2.9#

166 34.2 25.0 37.4

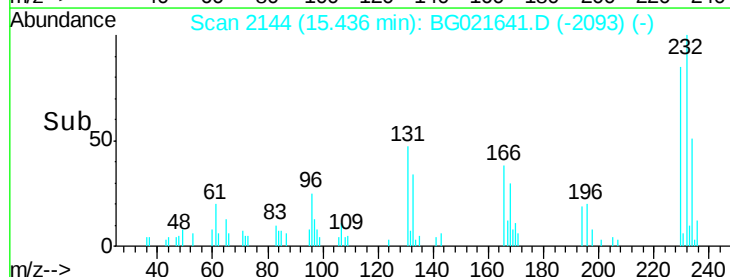
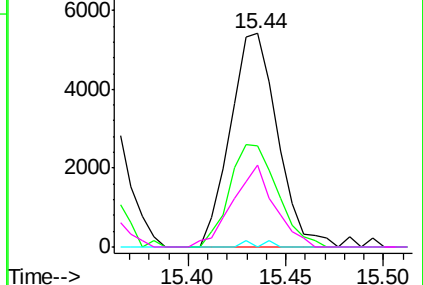


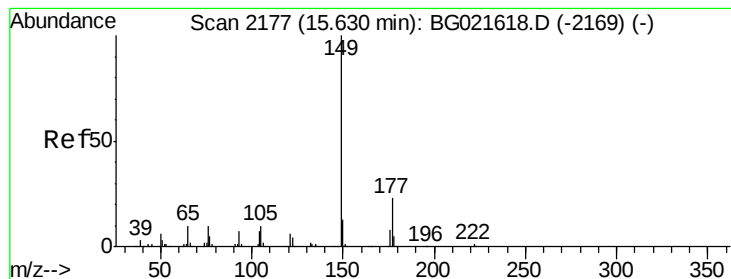
Abundance Ion 232.00 (231.70 to 232.70): E

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: 6.40 ng

RT: 15.62 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

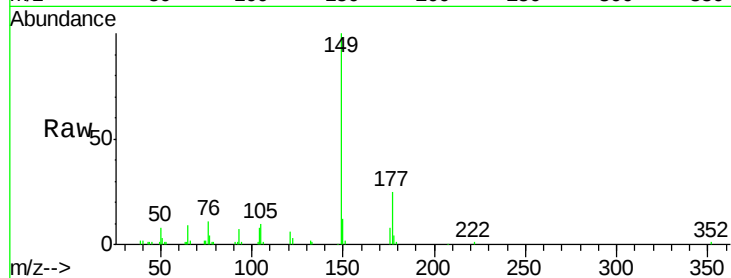
Tgt Ion:149 Resp: 45528

Ion Ratio Lower Upper

149 100

177 25.5 17.3 25.9

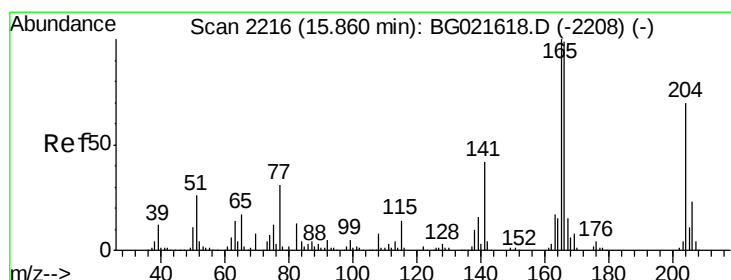
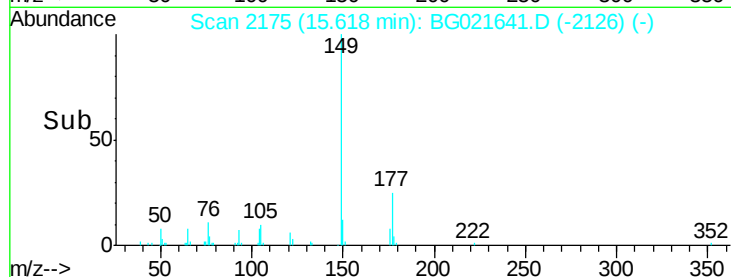
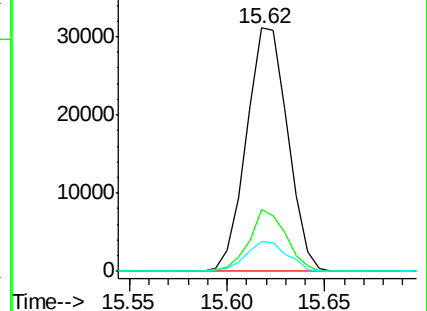
150 12.3 9.7 14.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 6.52 ng

RT: 15.85 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

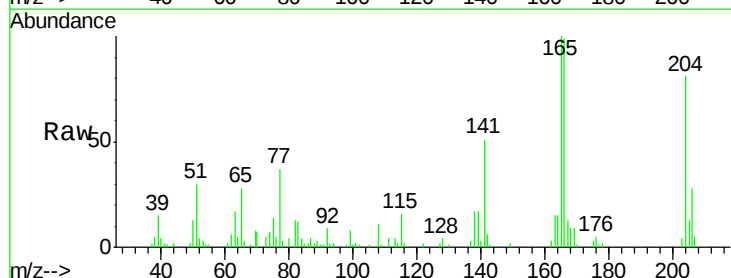
Tgt Ion:204 Resp: 20339

Ion Ratio Lower Upper

204 100

206 34.0 27.8 41.8

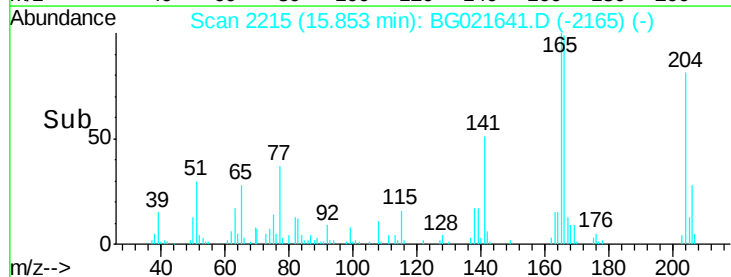
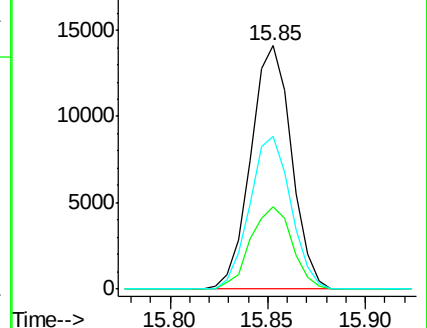
141 62.8 51.0 76.4



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

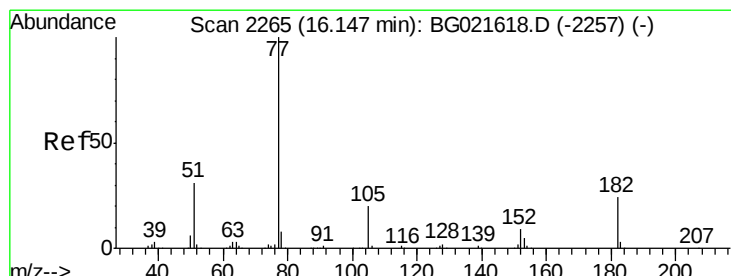
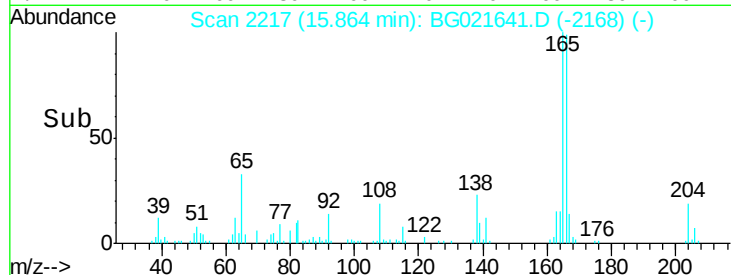
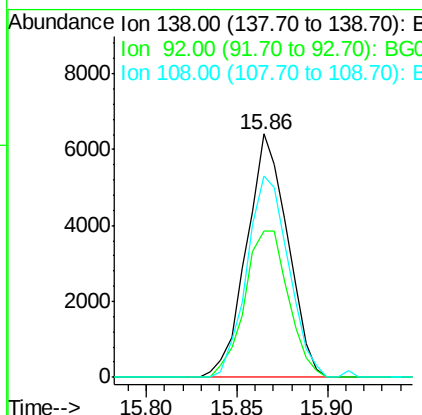
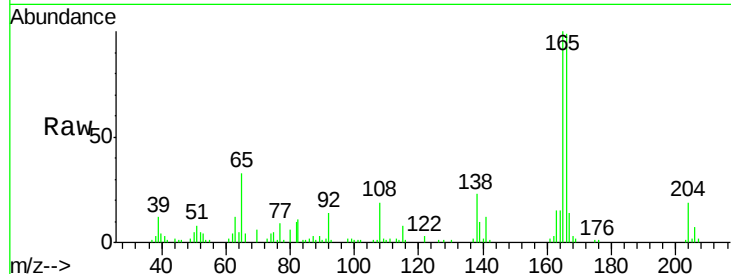




#61
4-Nitroaniline
Concen: 6.38 ng
RT: 15.86 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

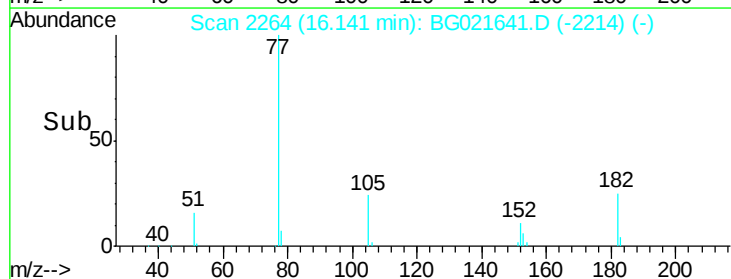
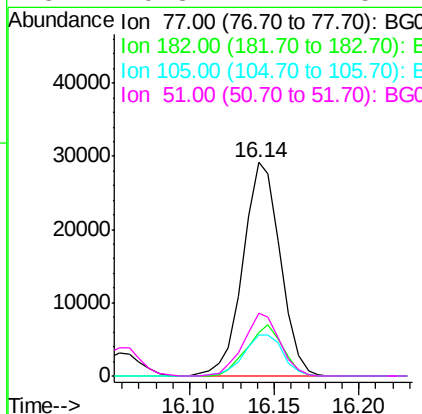
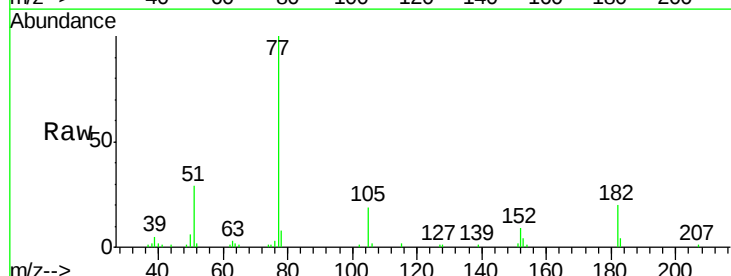
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

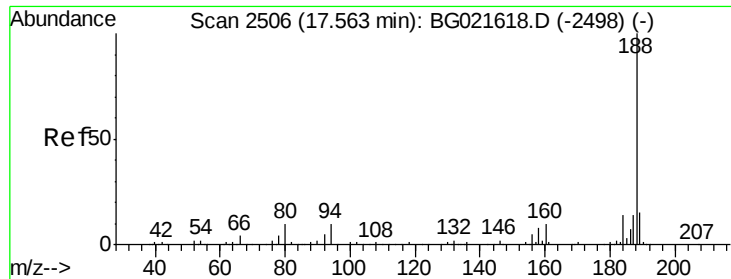
Tgt Ion: 138 Resp: 10117
Ion Ratio Lower Upper
138 100
92 59.8 37.7 77.7
108 82.9 59.4 99.4



#62
Azobenzene
Concen: 7.33 ng
RT: 16.14 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Tgt Ion: 77 Resp: 44686
Ion Ratio Lower Upper
77 100
182 20.2 4.1 44.1
105 19.4 0.0 39.8
51 29.3 11.1 51.1

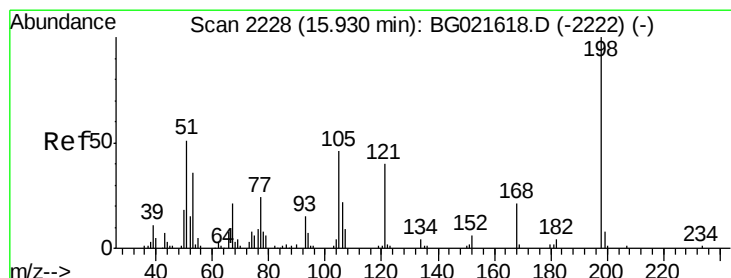
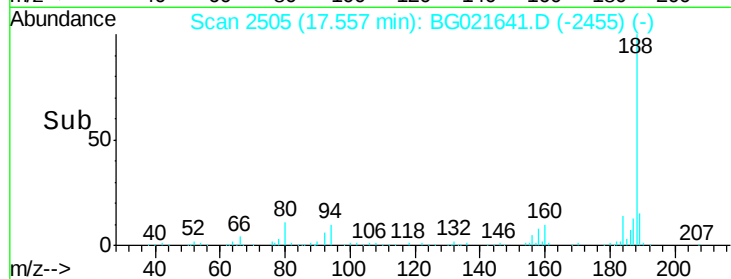
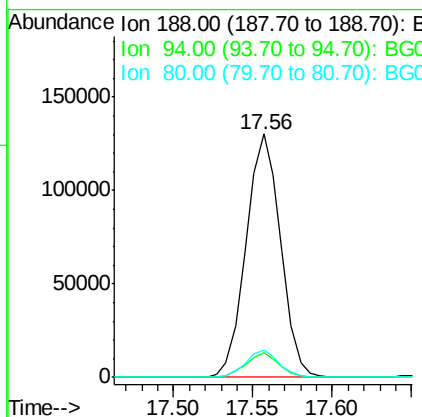
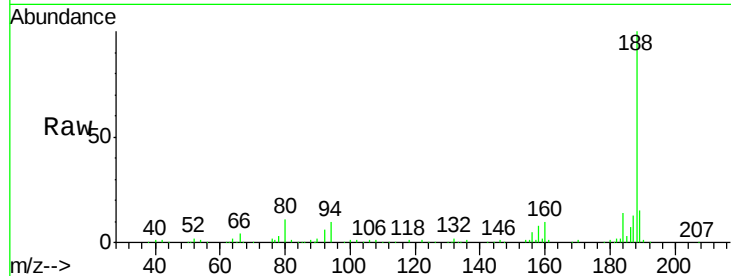




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

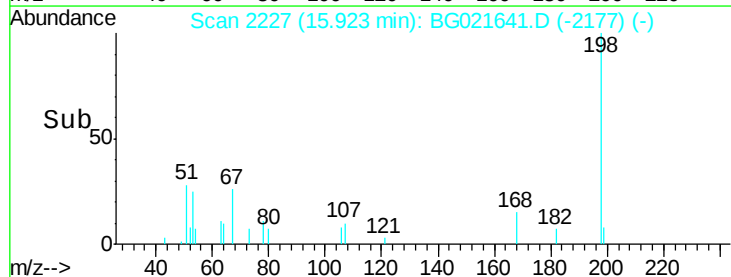
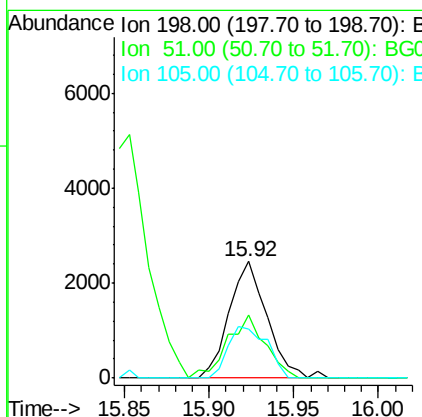
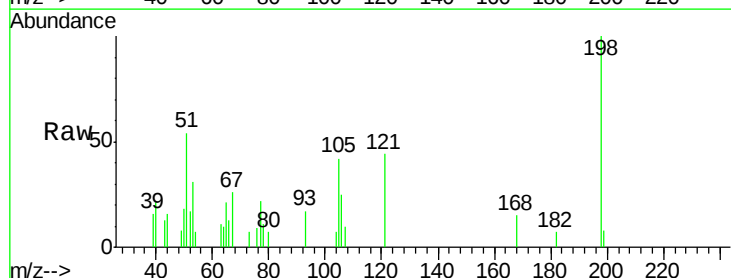
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

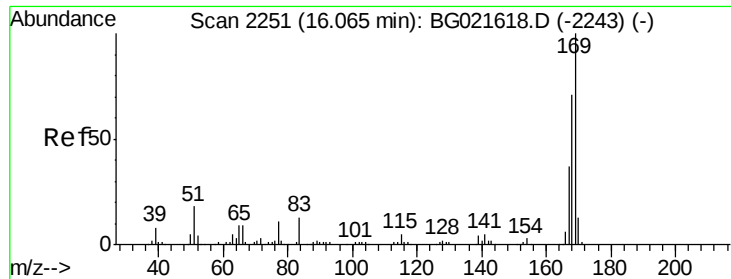
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.5	11.3
80	11.0	8.6	13.0



#64
4,6-Dinitro-2-methylphenol
Concen: 9.54 ng
RT: 15.92 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Tgt Ion	Ratio	Lower	Upper
198	100		
51	54.4	29.2	69.2
105	41.7	24.0	64.0

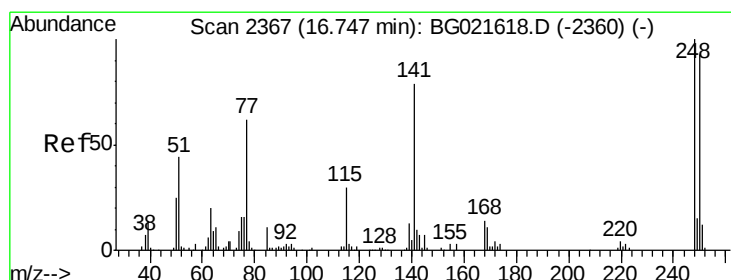
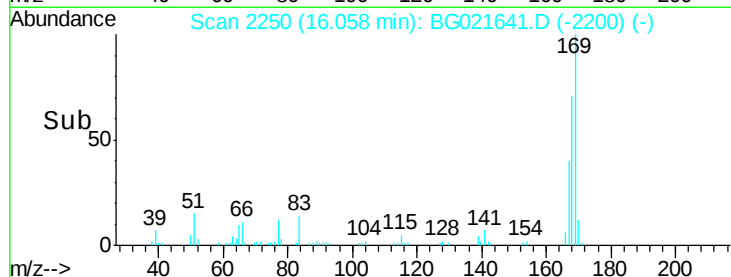
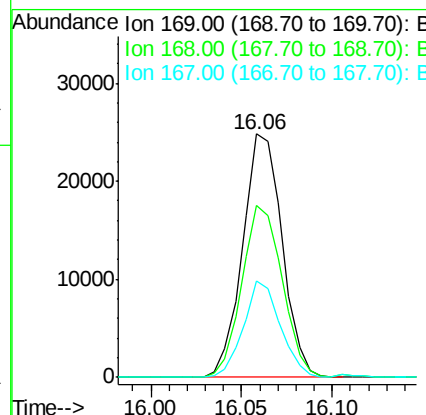
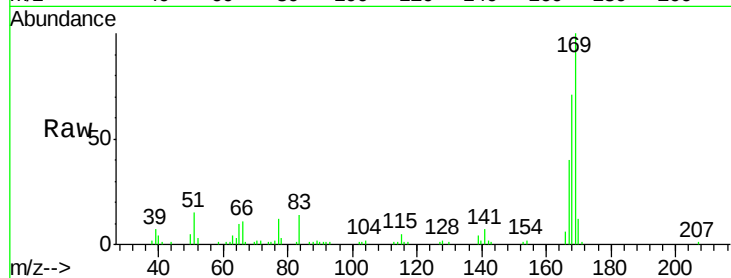




#65
n-Nitrosodiphenylamine
Concen: 6.37 ng
RT: 16.06 min Scan# 2250
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

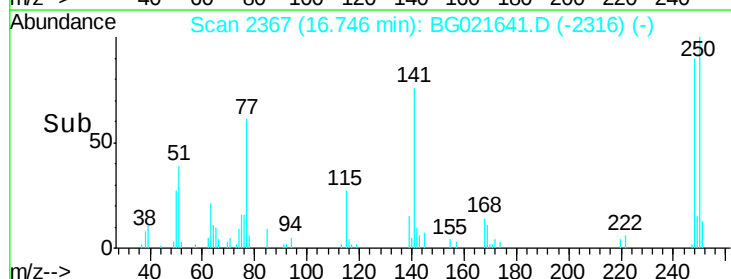
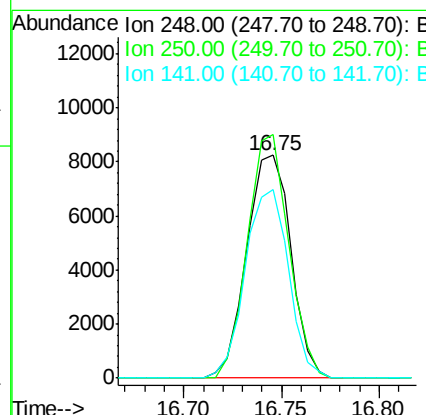
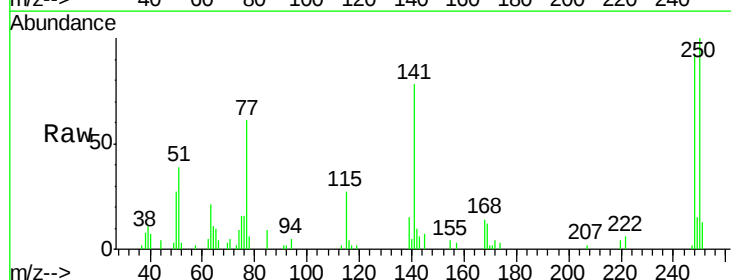
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

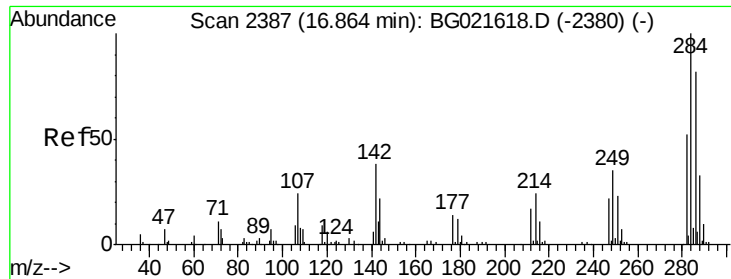
Tgt Ion:169 Resp: 37550
Ion Ratio Lower Upper
169 100
168 70.8 59.6 89.4
167 39.7 31.2 46.8



#66
4-Bromophenyl-phenylether
Concen: 6.15 ng
RT: 16.75 min Scan# 2367
Delta R.T. -0.00 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Tgt Ion:248 Resp: 12952
Ion Ratio Lower Upper
248 100
250 109.3 76.6 114.8
141 84.9 63.8 95.6

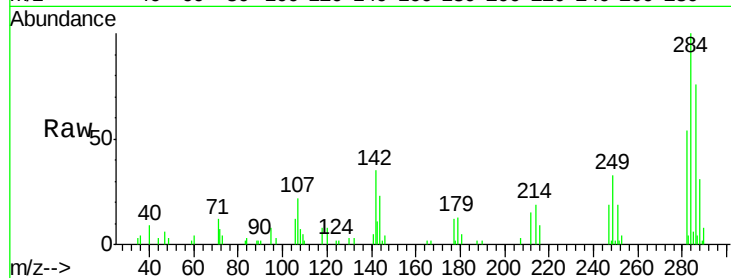




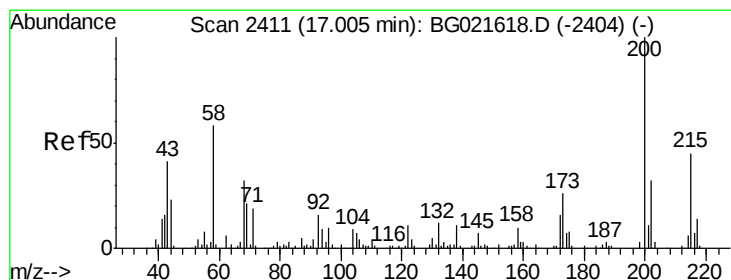
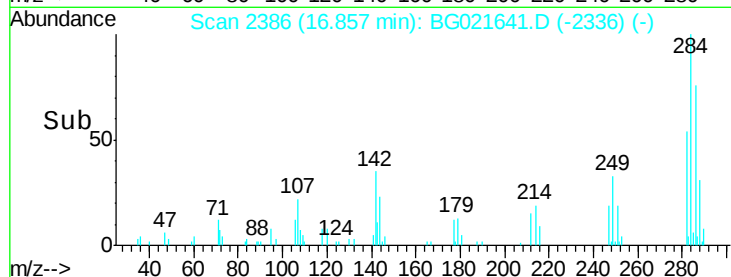
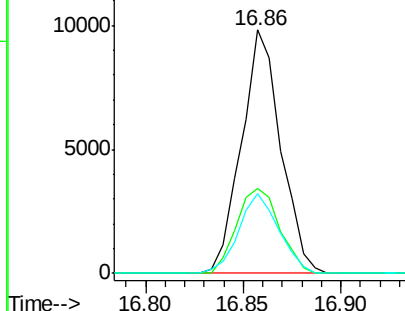
#67
Hexachlorobenzene
Concen: 6.16 ng
RT: 16.86 min Scan# 2386
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.0	31.8	47.6
249	32.8	27.3	40.9

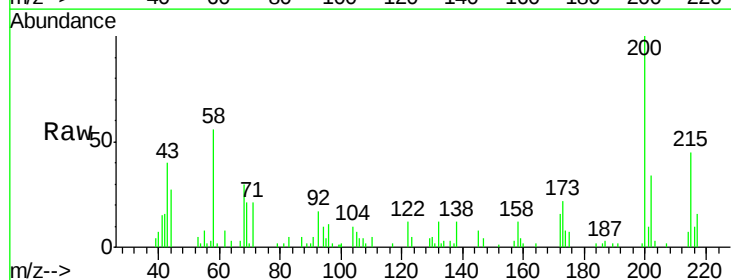


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

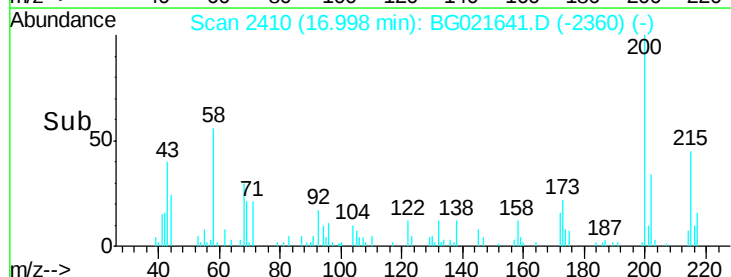
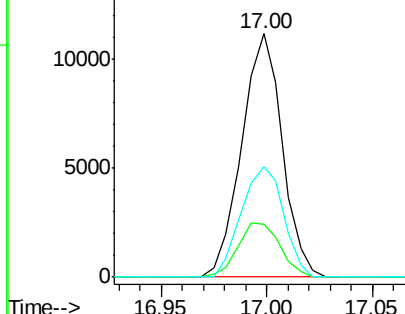


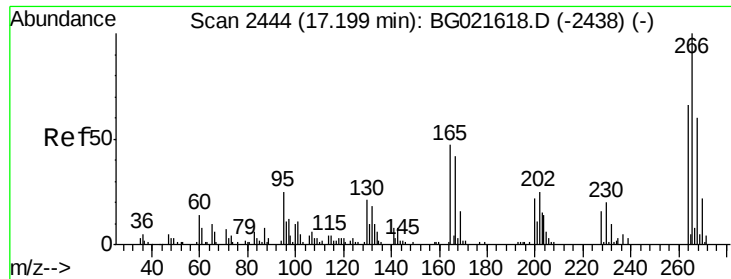
#68
Atrazine
Concen: 6.37 ng
RT: 17.00 min Scan# 2410
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Tgt Ion	Ratio	Lower	Upper
200	100		
173	21.8	5.1	45.1
215	45.3	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

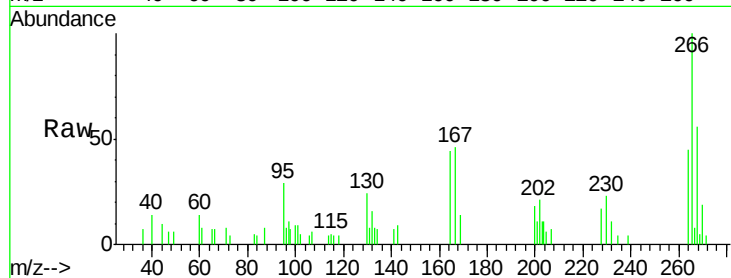




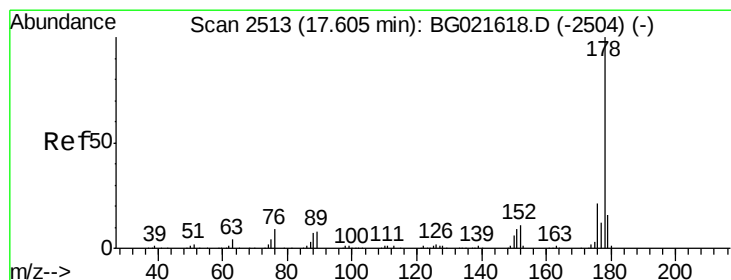
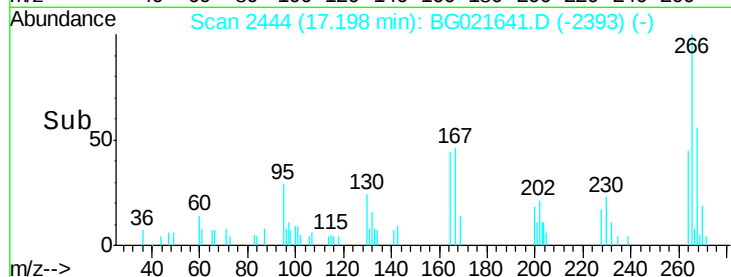
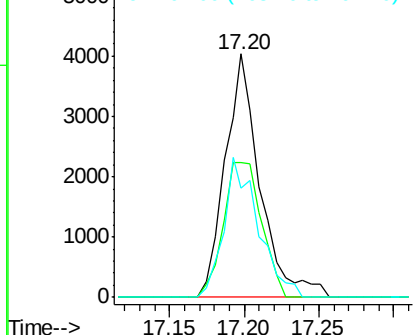
#69
 Pentachlorophenol
 Concen: 5.18 ng
 RT: 17.20 min Scan# 2444
 Delta R.T. -0.00 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion: 266 Resp: 6572
 Ion Ratio Lower Upper
 266 100
 268 60.8 54.5 81.7
 264 45.0 53.8 80.6#

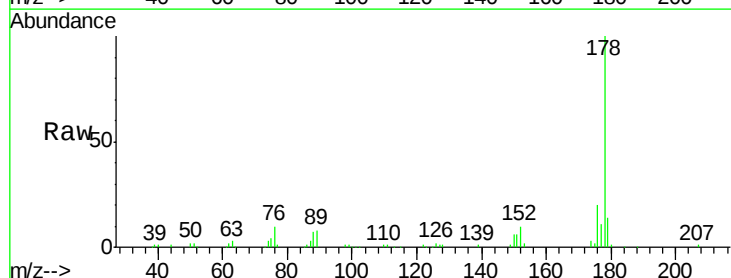


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

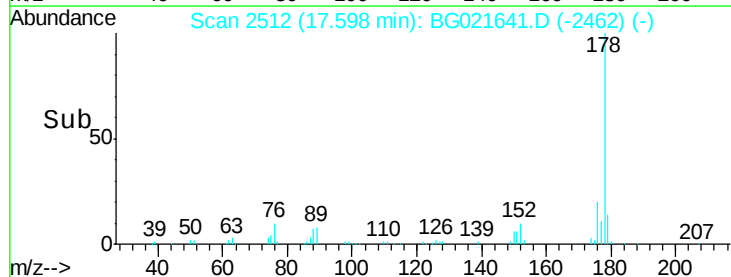
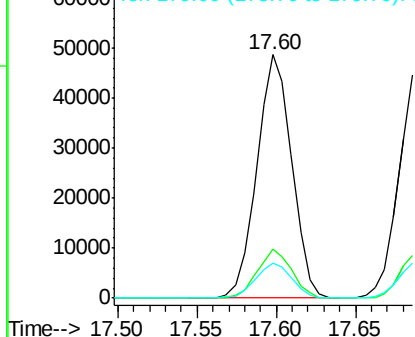


#70
 Phenanthrene
 Concen: 6.87 ng
 RT: 17.60 min Scan# 2512
 Delta R.T. -0.01 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Tgt Ion: 178 Resp: 74432
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.2 24.4
 179 14.3 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: 6.69 ng

RT: 17.69 min Scan# 2528

Delta R.T. -0.00 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

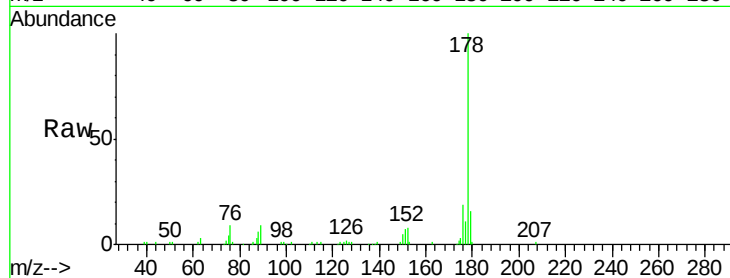
Tgt Ion:178 Resp: 73593

Ion Ratio Lower Upper

178 100

176 19.5 15.0 22.4

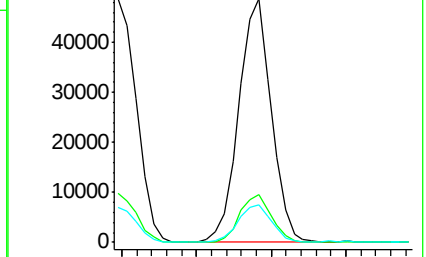
179 15.6 12.2 18.4



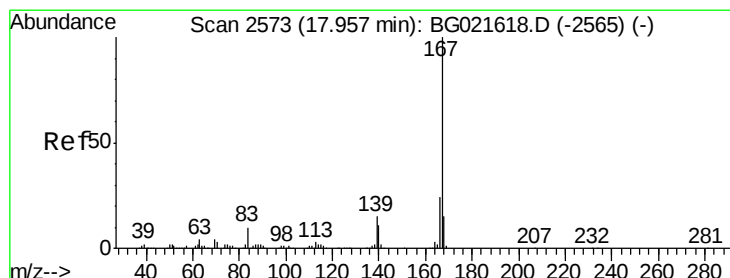
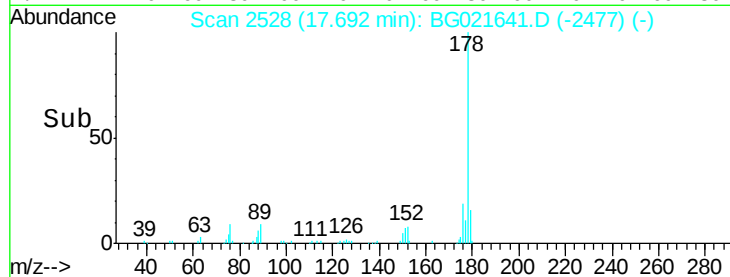
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.60 17.65 17.70 17.75



#72

Carbazole

Concen: 6.98 ng

RT: 17.95 min Scan# 2572

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

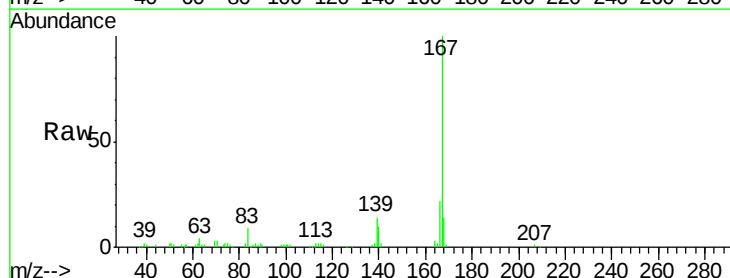
Tgt Ion:167 Resp: 71672

Ion Ratio Lower Upper

167 100

166 21.6 18.6 27.8

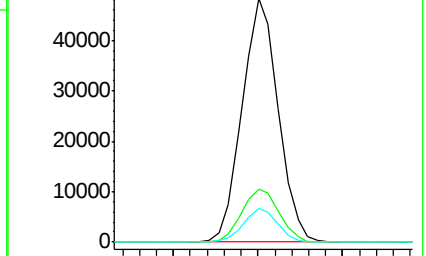
139 13.6 10.6 15.8



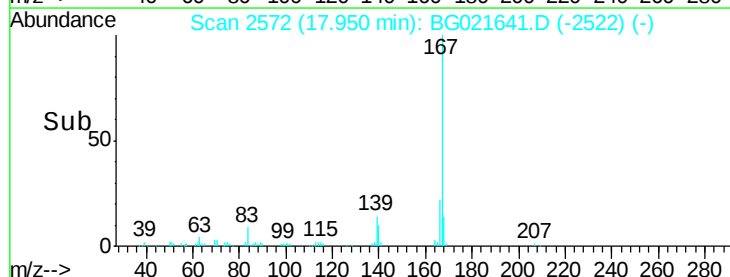
Abundance Ion 167.00 (166.70 to 167.70): E

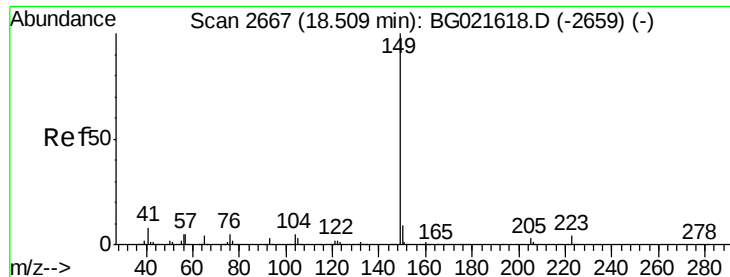
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time--> 17.90 17.95 18.00





#73

Di-n-butylphthalate

Concen: 6.47 ng

RT: 18.50 min Scan# 2666

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

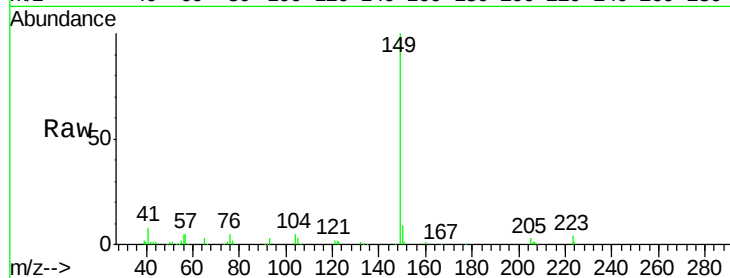
Tgt Ion:149 Resp: 84511

Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.0

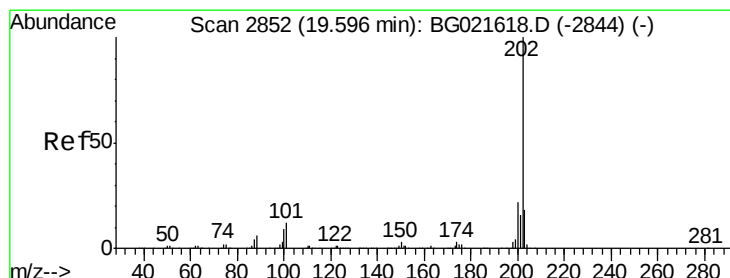
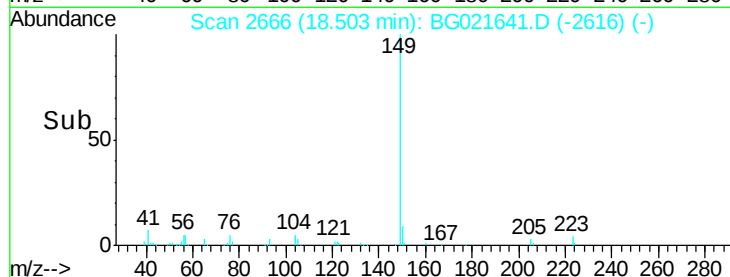
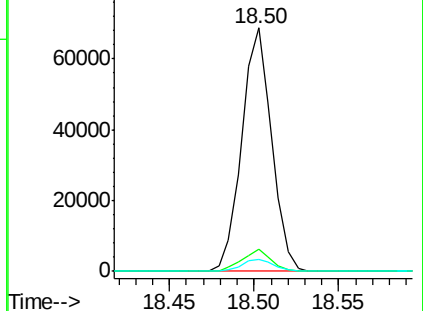
104 4.9 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 6.95 ng

RT: 19.59 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

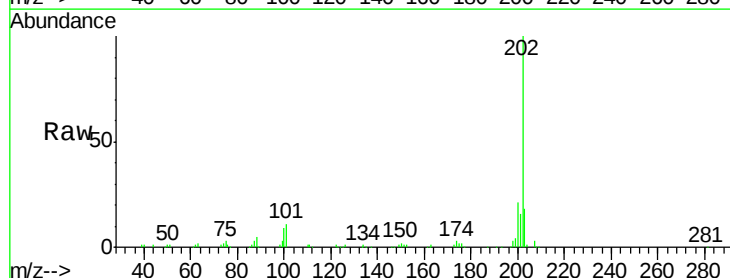
Tgt Ion:202 Resp: 89933

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.0

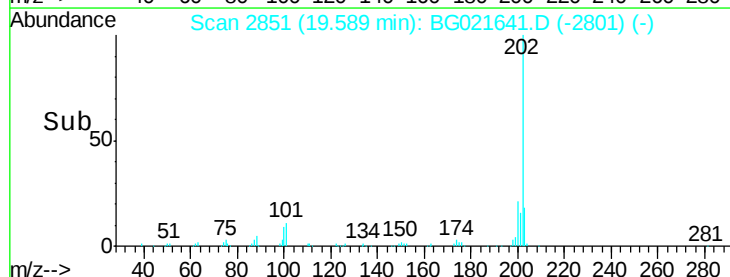
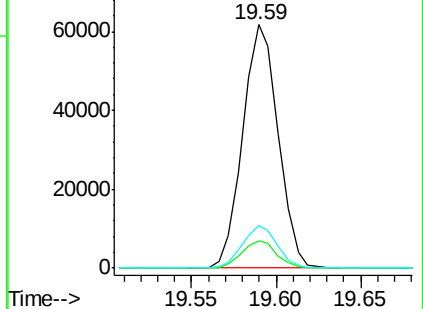
203 17.6 0.0 37.9

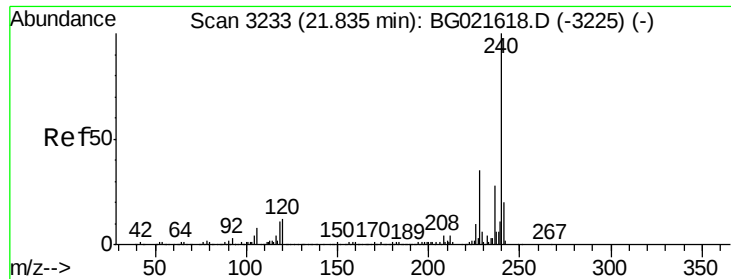


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.83 min Scan# 3232

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

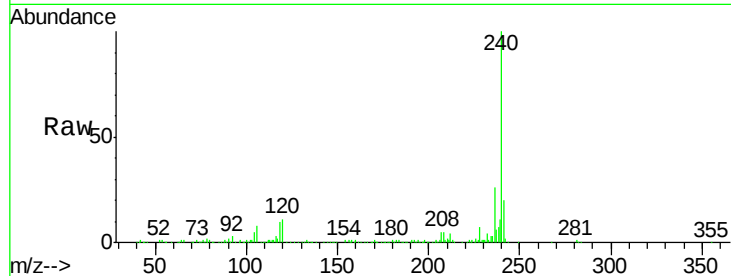
Tgt Ion:240 Resp: 234983

Ion Ratio Lower Upper

240 100

120 10.8 8.4 12.6

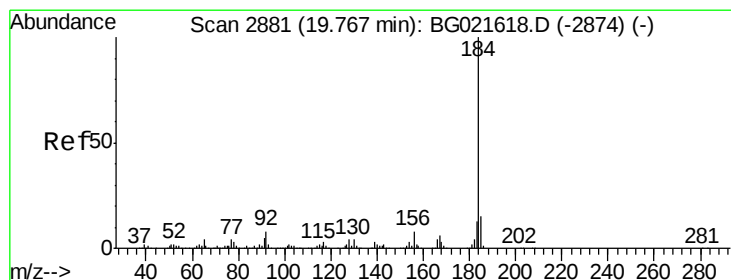
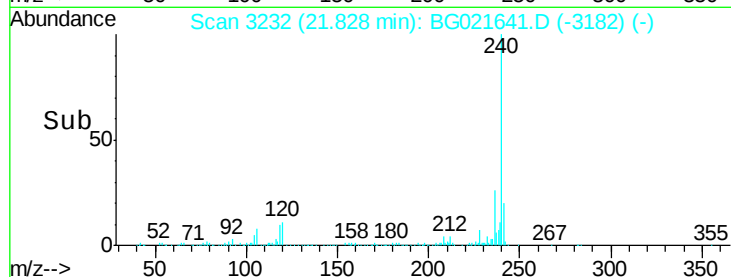
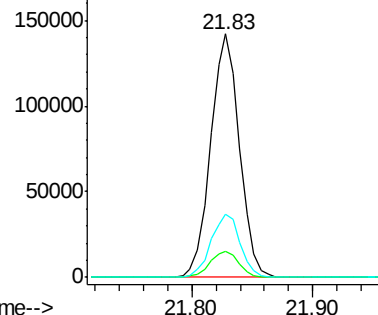
236 25.7 19.6 29.4



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: 4.66 ng

RT: 19.77 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

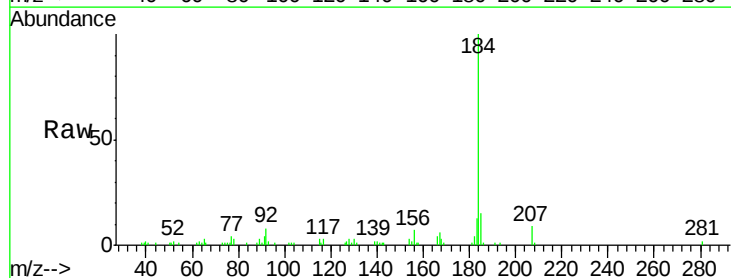
Tgt Ion:184 Resp: 34081

Ion Ratio Lower Upper

184 100

185 14.7 11.5 17.3

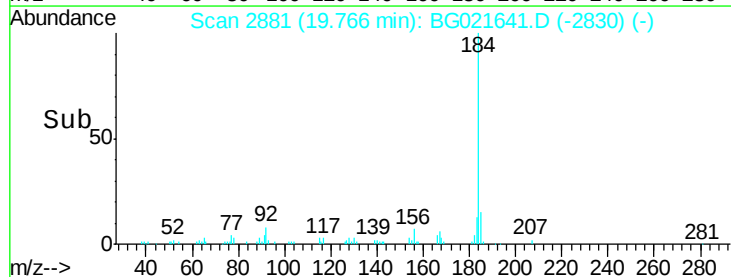
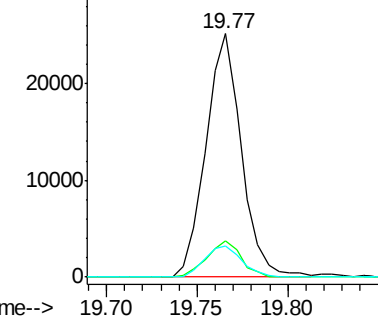
183 12.7 10.2 15.4

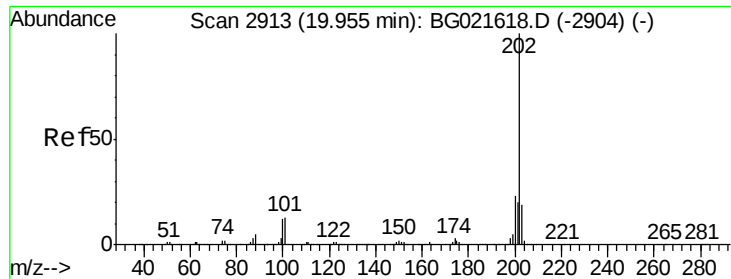


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

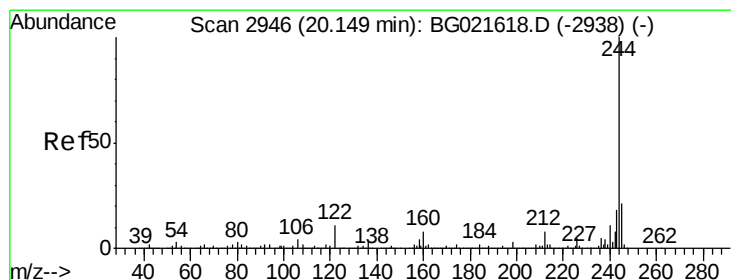
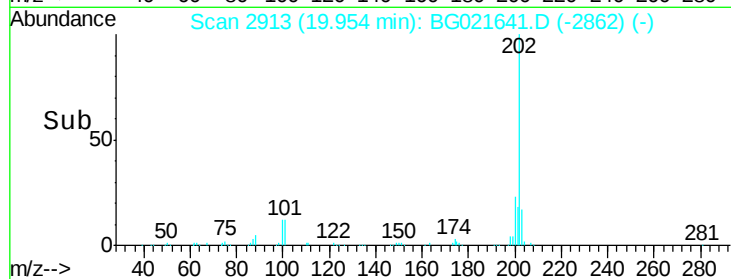
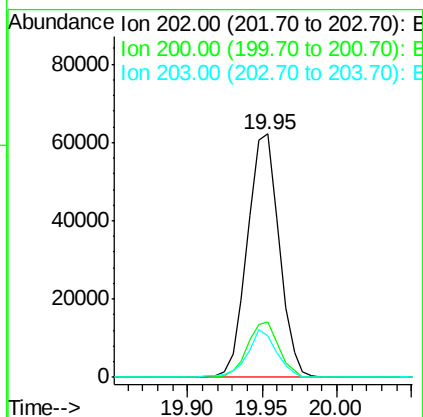
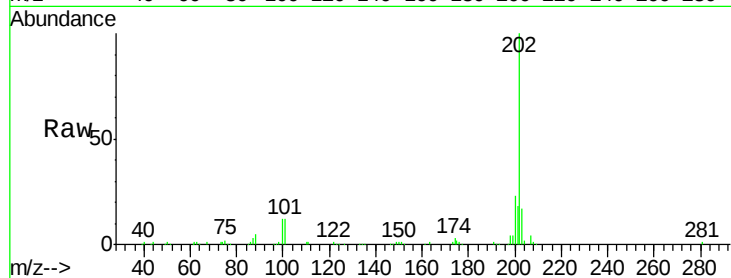




#77
 Pyrene
 Concen: 6.73 ng
 RT: 19.95 min Scan# 2913
 Delta R.T. -0.00 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

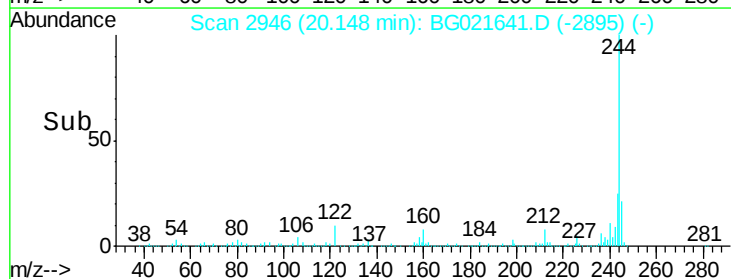
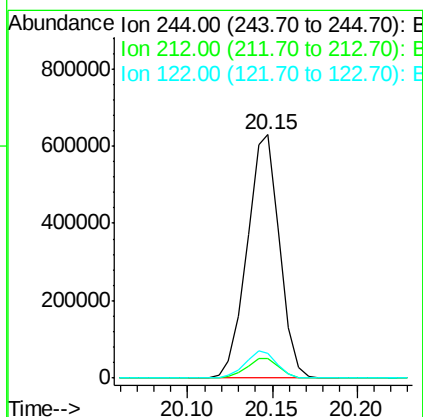
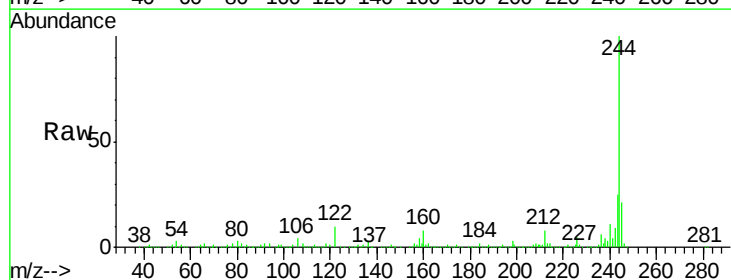
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

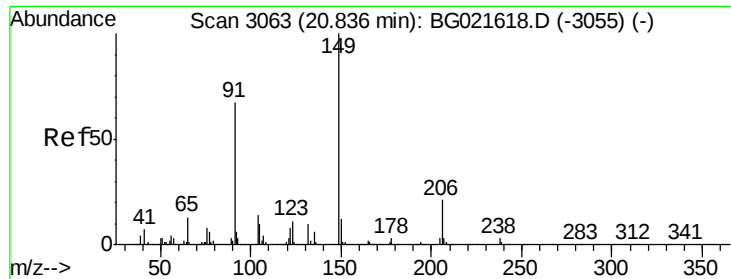
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.5	18.2	27.2
203	16.9	15.0	22.4



#78
 Terphenyl-d14
 Concen: 88.81 ng
 RT: 20.15 min Scan# 2946
 Delta R.T. -0.00 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	10.4	8.6	12.8





#79

Butylbenzylphthalate

Concen: 6.03 ng

RT: 20.82 min Scan# 3061

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

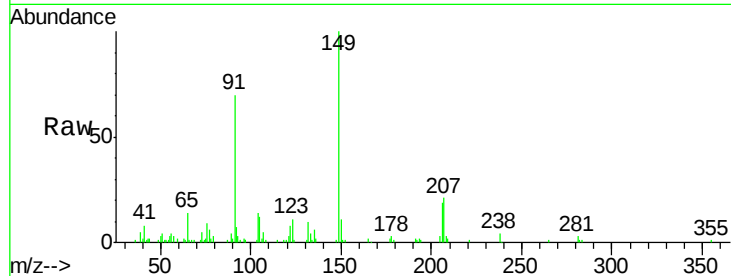
Tgt Ion:149 Resp: 37955

Ion Ratio Lower Upper

149 100

91 69.8 57.8 86.8

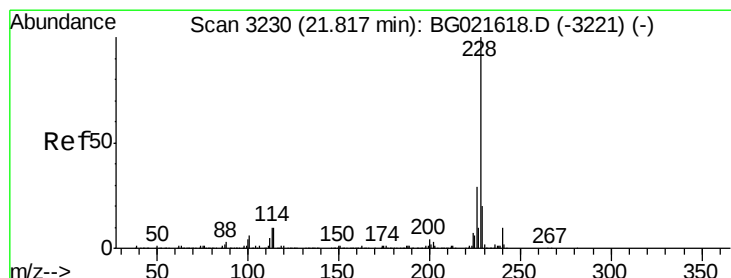
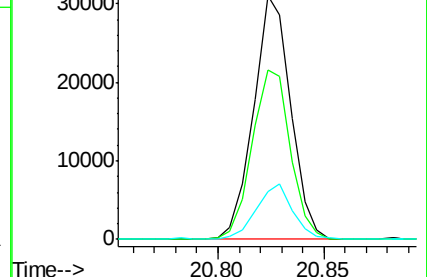
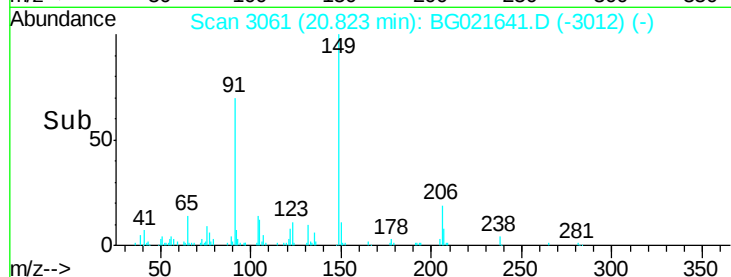
206 19.4 17.0 25.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 6.78 ng

RT: 21.80 min Scan# 3228

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

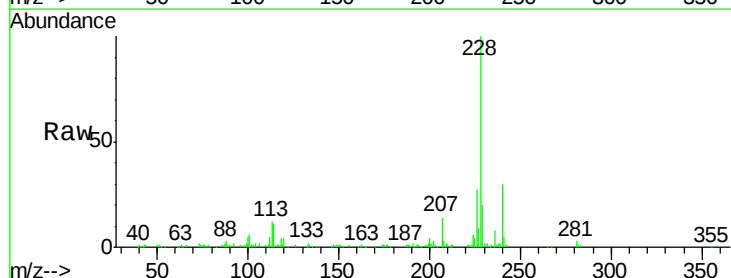
Tgt Ion:228 Resp: 91648

Ion Ratio Lower Upper

228 100

226 26.7 22.6 34.0

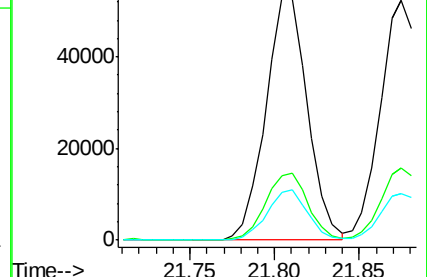
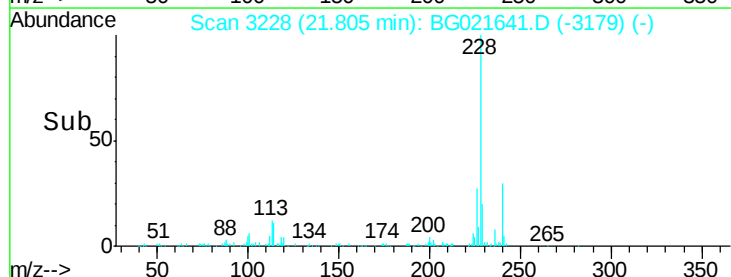
229 19.5 16.1 24.1

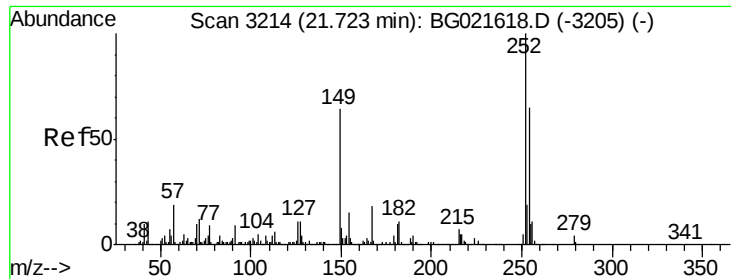


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

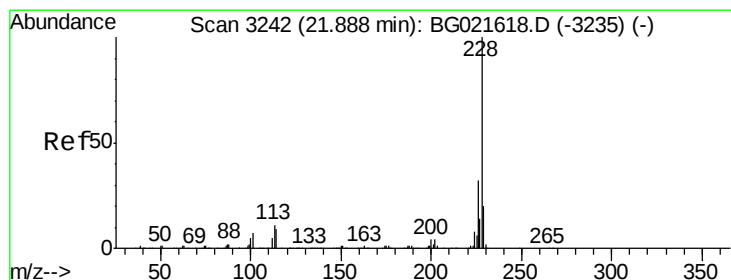
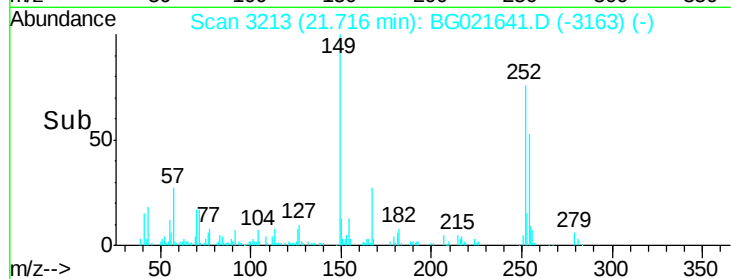
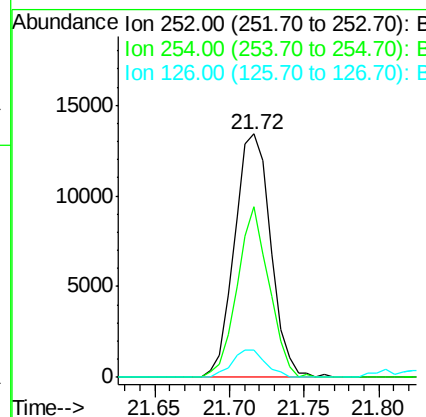
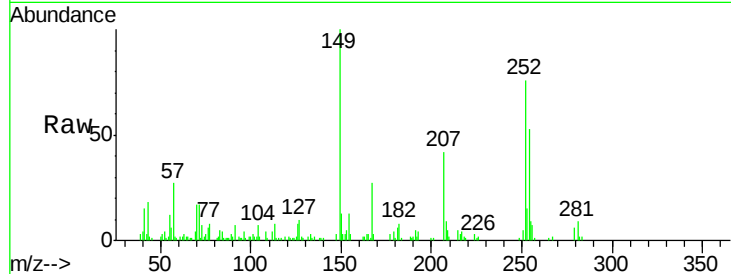




#81
 3,3'-Dichlorobenzidine
 Concen: 2.12 ng
 RT: 21.72 min Scan# 3213
 Delta R.T. -0.01 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

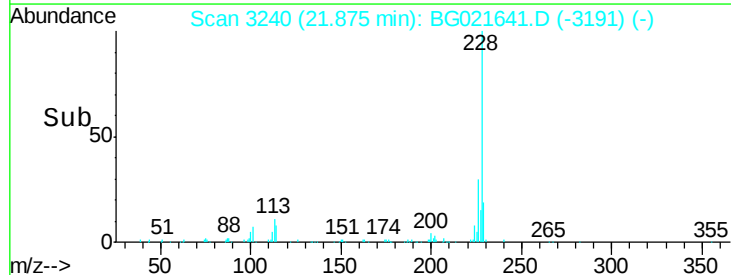
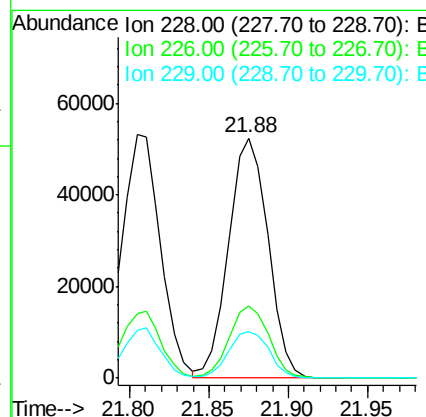
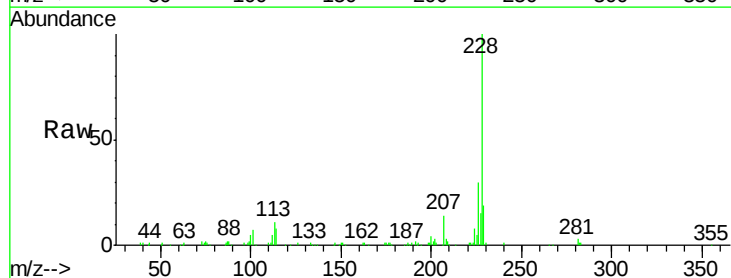
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

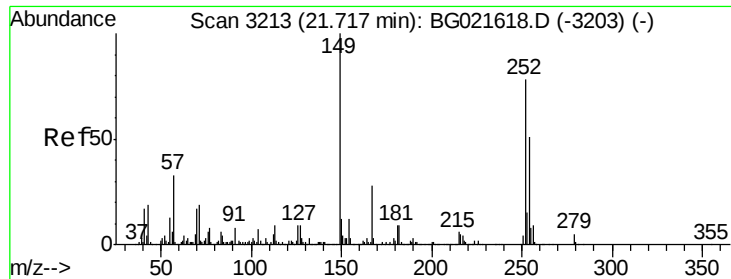
Tgt Ion: 252 Resp: 22716
 Ion Ratio Lower Upper
 252 100
 254 69.9 51.8 77.6
 126 11.0 8.8 13.2



#82
 Chrysene
 Concen: 6.96 ng
 RT: 21.88 min Scan# 3240
 Delta R.T. -0.01 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Tgt Ion: 228 Resp: 90384
 Ion Ratio Lower Upper
 228 100
 226 30.0 25.4 38.0
 229 19.5 15.9 23.9

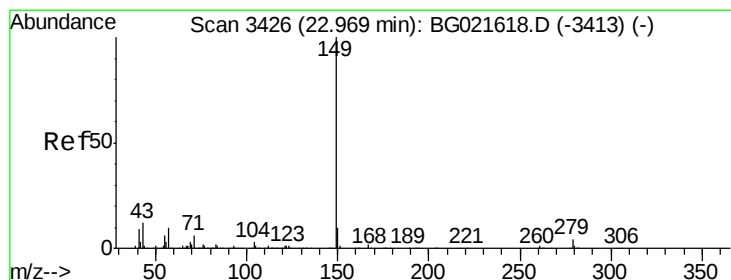
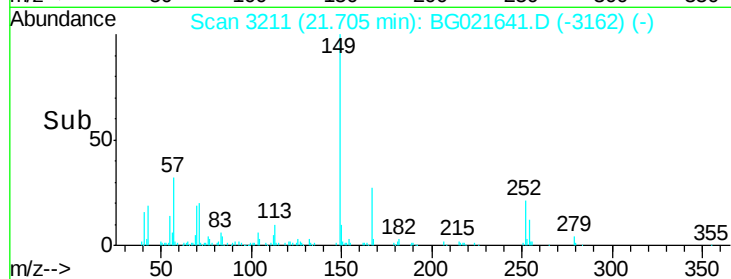
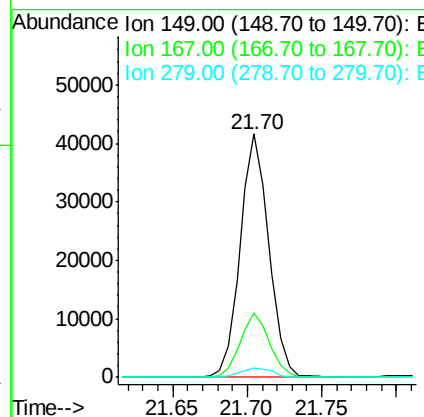
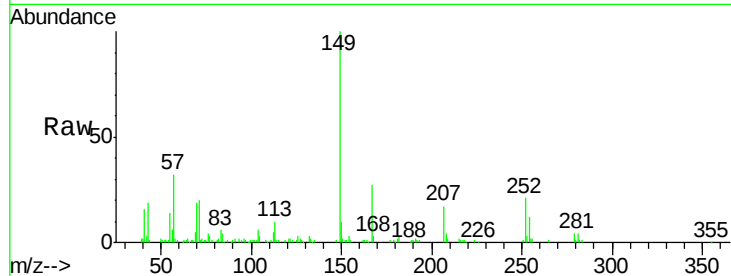




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.03 ng
 RT: 21.70 min Scan# 3211
 Delta R.T. -0.01 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

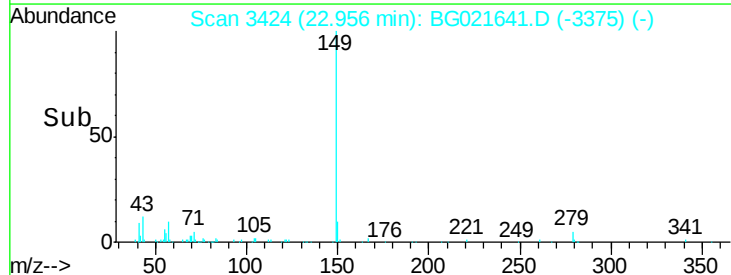
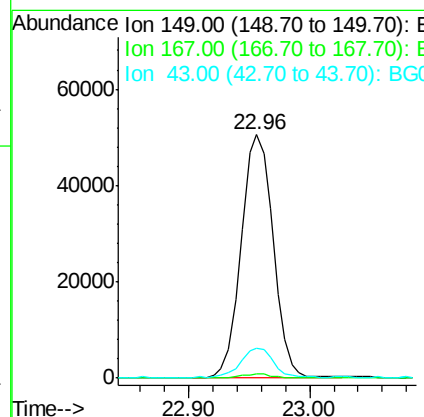
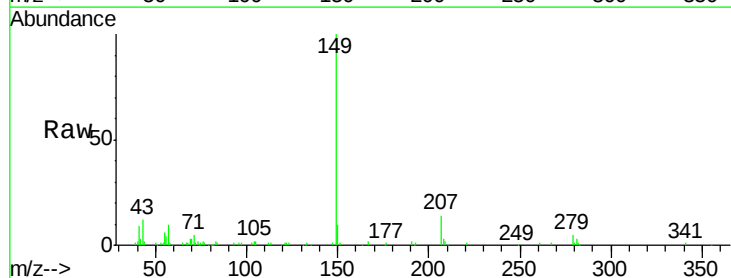
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

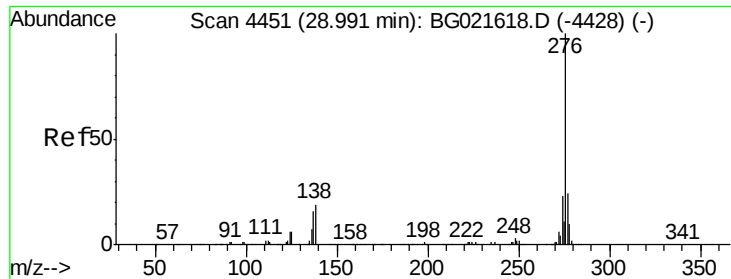
Tgt Ion:149 Resp: 55476
 Ion Ratio Lower Upper
 149 100
 167 26.5 22.4 33.6
 279 3.9 3.2 4.8



#84
 Di-n-octyl phthalate
 Concen: 6.09 ng
 RT: 22.96 min Scan# 3424
 Delta R.T. -0.01 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Tgt Ion:149 Resp: 93885
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.3 1.9
 43 13.1 9.8 14.6

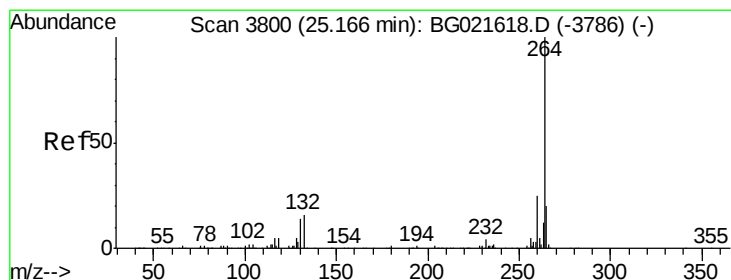
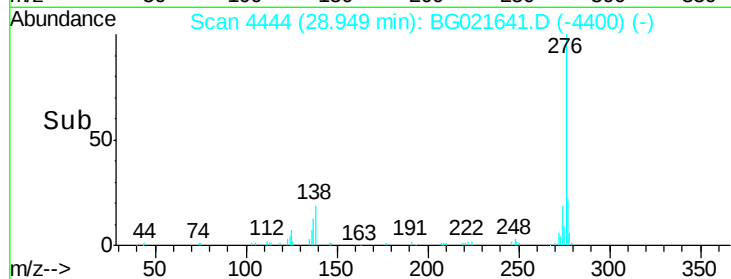
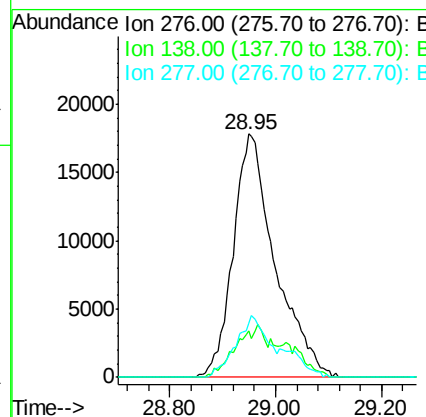
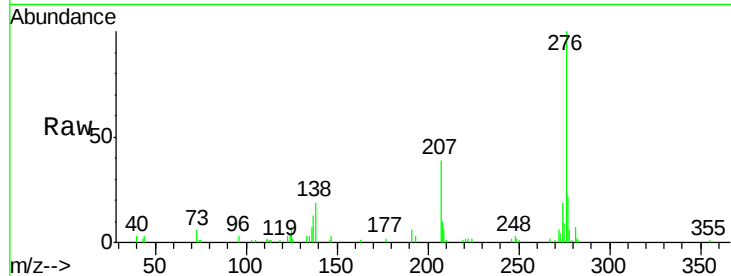




#85
Indeno(1,2,3-cd)pyrene
Concen: 6.37 ng
RT: 28.95 min Scan# 4444
Delta R.T. -0.04 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

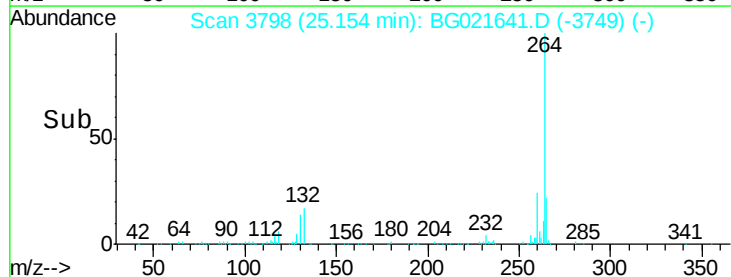
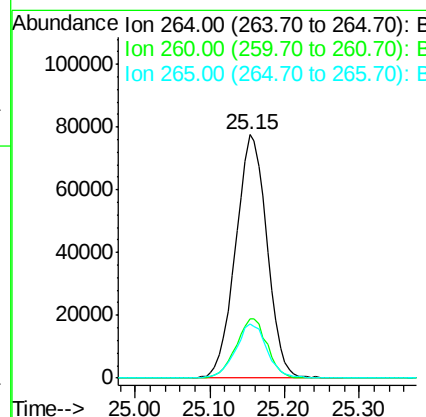
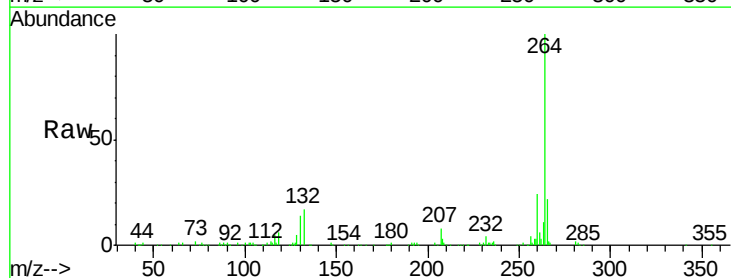
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

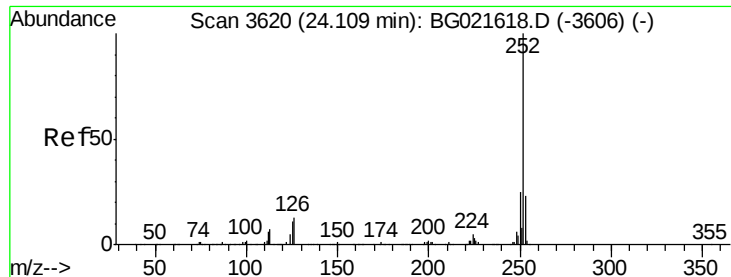
Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.8	14.0	21.0
277	18.9	20.6	30.8#



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.15 min Scan# 3798
Delta R.T. -0.01 min
Lab File: BG021641.D
Acq: 14 Apr 2016 5:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.2	30.4
265	22.2	17.8	26.8





#87

Benzo(b)fluoranthene

Concen: 6.71 ng

RT: 24.10 min Scan# 3618

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

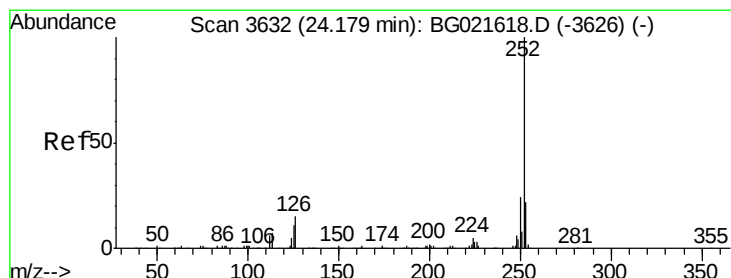
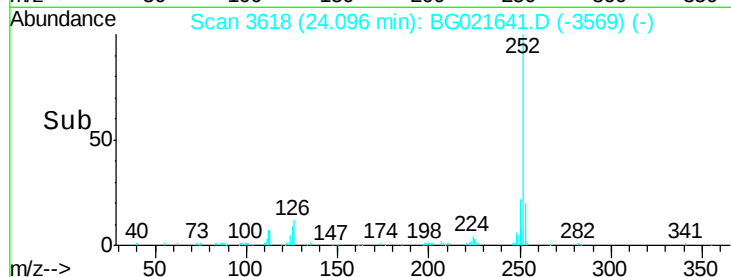
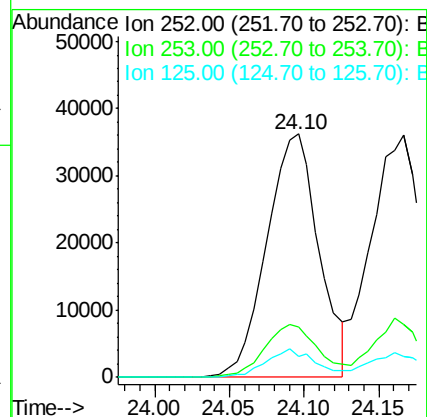
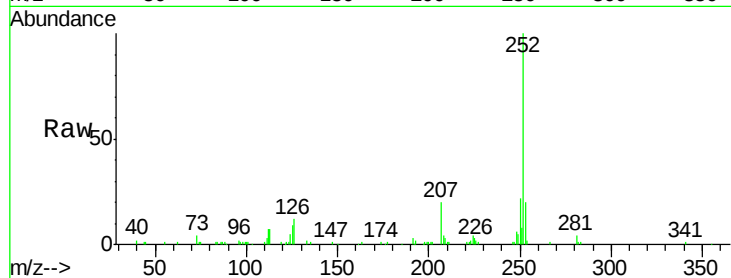
Tgt Ion:252 Resp: 88067

Ion Ratio Lower Upper

252 100

253 20.5 17.5 26.3

125 8.8 8.6 13.0



#88

Benzo(k)fluoranthene

Concen: 6.88 ng

RT: 24.17 min Scan# 3630

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

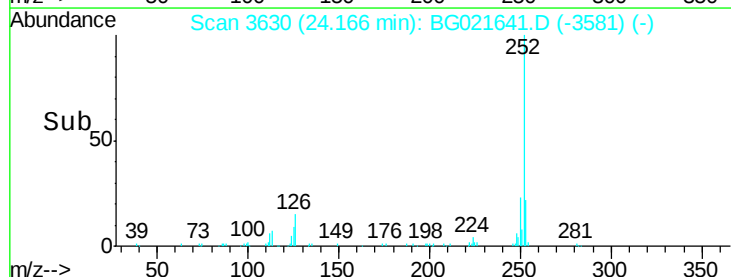
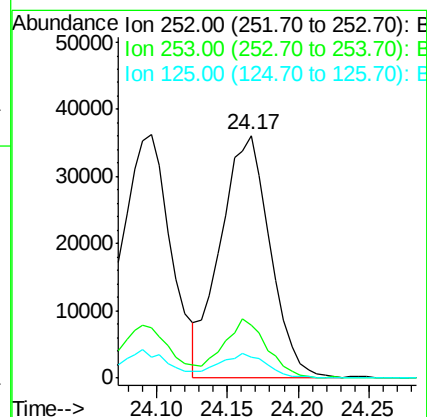
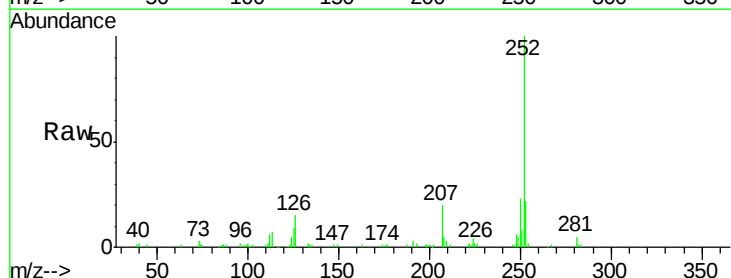
Tgt Ion:252 Resp: 88304

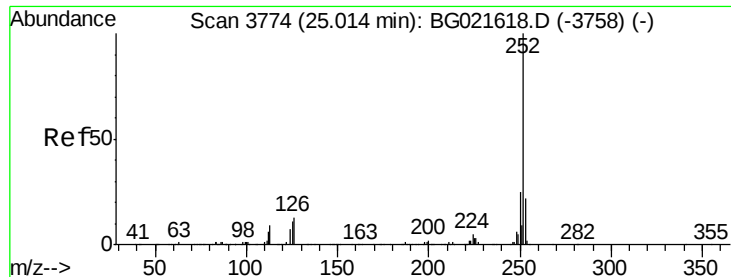
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

125 8.6 8.3 12.5





#89

Benzo(a)pyrene

Concen: 6.66 ng

RT: 25.00 min Scan# 3772

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

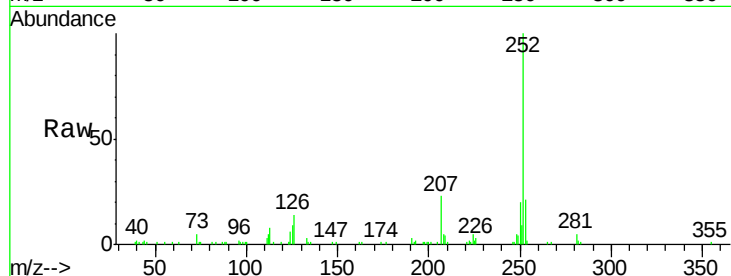
Tgt Ion:252 Resp: 84633

Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

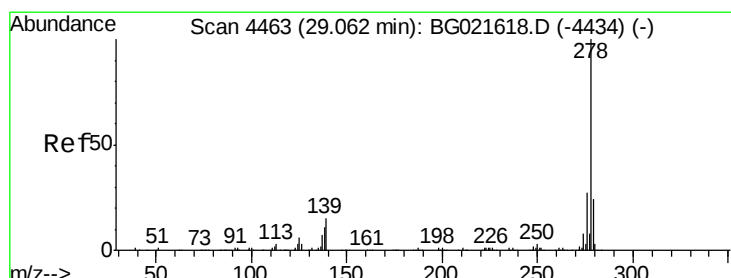
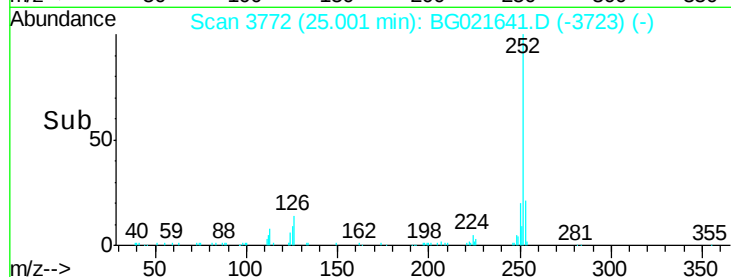
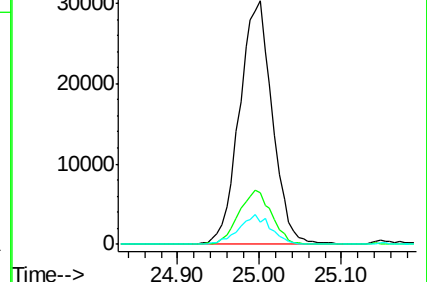
125 8.9 9.6 14.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 6.40 ng

RT: 29.03 min Scan# 4458

Delta R.T. -0.03 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

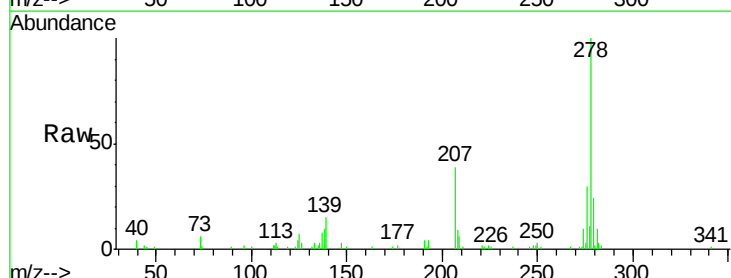
Tgt Ion:278 Resp: 81539

Ion Ratio Lower Upper

278 100

139 14.5 11.9 17.9

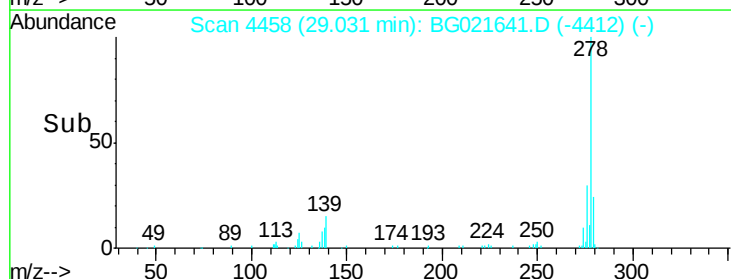
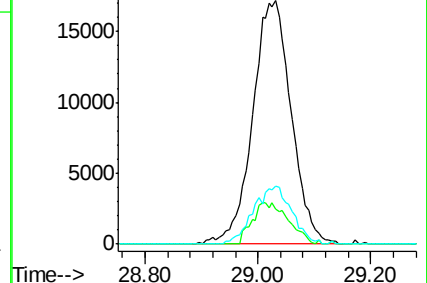
279 24.0 18.2 27.2

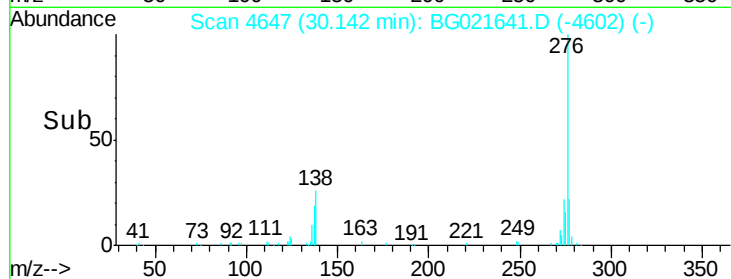
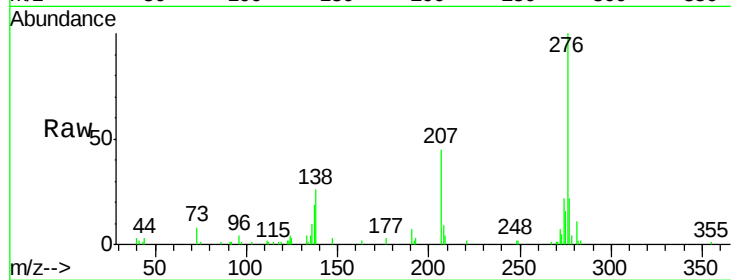
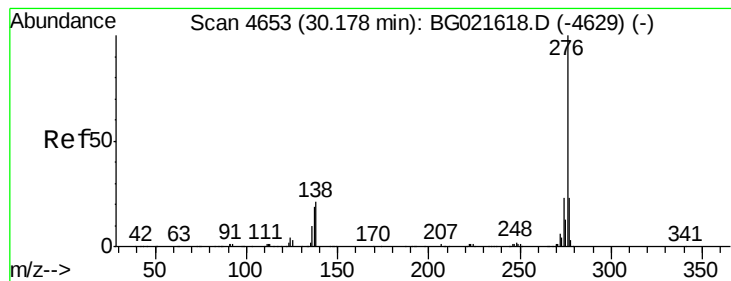


Abundance Ion 278.00 (277.70 to 278.70): E

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: 6.52 ng

RT: 30.14 min Scan# 4647

Delta R.T. -0.04 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:276 Resp: 81586

Ion Ratio Lower Upper

276 100

277 22.3 19.4 29.2

138 26.1 17.4 26.0#

