

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021116\
 Data File : BG020865.D
 Acq On : 11 Feb 2016 20:46
 Operator : SJ/UM
 Sample : G4825-03
 Misc : LOD 8PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Feb 11 22:45:28 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	20802	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	103743	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	67115	20.00	ng	0.00
63) Phenanthrene-d10	17.62	188	143632	20.00	ng	0.00
75) Chrysene-d12	21.90	240	134194	20.00	ng	0.00
86) Perylene-d12	25.28	264	125042	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.80	112	143542	116.21	ng	0.00
7) Phenol-d6	7.41	99	201041	111.35	ng	0.00
23) Nitrobenzene-d5	9.43	82	110034	69.74	ng	0.00
41) 2,4,6-Tribromophenol	16.36	330	75864	114.94	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	313226	65.56	ng	0.00
78) Terphenyl-d14	20.20	244	426736	74.18	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.64	88	2089	4.65	ng	# 95
3) Pyridine	4.05	79	5915	4.45	ng	95
4) n-Nitrosodimethylamine	3.96	42	1619	4.66	ng	# 93
6) Aniline	7.58	93	5217	2.32	ng	91
8) 2-Chlorophenol	7.83	128	8588	5.57	ng	95
9) Benzaldehyde	7.40	77	6860	7.59	ng	98
10) Phenol	7.43	94	11102	5.81	ng	95
11) bis(2-Chloroethyl)ether	7.67	93	7609	4.99	ng	99
12) 1,3-Dichlorobenzene	8.15	146	8392	5.14	ng	97
13) 1,4-Dichlorobenzene	8.31	146	8549	5.17	ng	93
14) 1,2-Dichlorobenzene	8.62	146	8274	5.14	ng	94
15) Benzyl Alcohol	8.50	79	6009	5.28	ng	90
16) 2,2'-oxybis(1-Chloropropan	8.79	45	7620	4.79	ng	93
17) 2-Methylphenol	8.70	107	7771	5.65	ng	93
18) Hexachloroethane	9.36	117	2703	4.75	ng	97
19) n-Nitroso-di-n-propylamine	9.06	70	5681	4.88	ng	# 94
20) 3+4-Methylphenols	9.02	107	10057	5.24	ng	96
22) Acetophenone	9.09	105	12072	4.83	ng	# 96
24) Nitrobenzene	9.48	77	8438	5.13	ng	98
25) Isophorone	10.00	82	16240	4.88	ng	97
26) 2-Nitrophenol	10.19	139	3927	4.54	ng	94
27) 2,4-Dimethylphenol	10.24	122	8401	5.07	ng	93
28) bis(2-Chloroethoxy)methane	10.48	93	11493	5.61	ng	99
29) 2,4-Dichlorophenol	10.73	162	8373	5.63	ng	98
30) 1,2,4-Trichlorobenzene	10.95	180	7822	5.22	ng	99
31) Naphthalene	11.14	128	28409	5.29	ng	97
32) Benzoic acid	10.29	122	2482	1.87	ng	95
33) 4-Chloroaniline	11.24	127	6418	2.78	ng	97
34) Hexachlorobutadiene	11.43	225	3813	5.00	ng	97
35) Caprolactam	11.98	113	3169	5.56	ng	97
36) 4-Chloro-3-methylphenol	12.34	107	9470	5.56	ng	98
37) 2-Methylnaphthalene	12.73	142	21882	5.81	ng	95
39) 1,2,4,5-Tetrachlorobenzene	13.09	216	8921	4.53	ng	96
40) Hexachlorocyclopentadiene	13.07	237	2820	3.26	ng	95

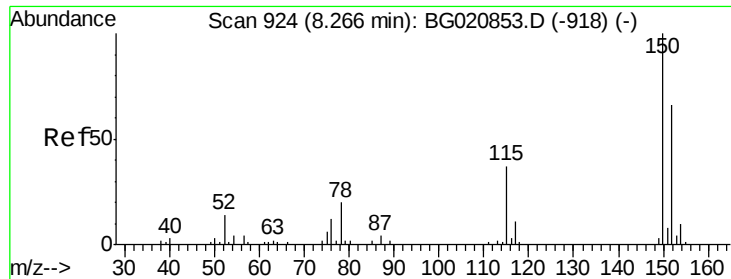
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021116\
 Data File : BG020865.D
 Acq On : 11 Feb 2016 20:46
 Operator : SJ/UM
 Sample : G4825-03
 Misc : LOD 8PPM
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.32	196	6607	5.00	ng	99
43) 2,4,5-Trichlorophenol	13.39	196	7500	5.39	ng	97
45) 1,1'-Biphenyl	13.72	154	27993	4.73	ng	99
46) 2-Chloronaphthalene	13.76	162	20946	4.94	ng	98
47) 2-Nitroaniline	13.96	65	5015	4.94	ng	93
48) Acenaphthylene	14.60	152	37388	5.07	ng	98
49) Dimethylphthalate	14.32	163	27344	5.21	ng	98
50) 2,6-Dinitrotoluene	14.44	165	5473	4.87	ng	94
51) Acenaphthene	14.95	154	22259	4.98	ng	98
52) 3-Nitroaniline	14.77	138	5487	4.20	ng	# 86
53) 2,4-Dinitrophenol	14.98	184	746	9.82	ng	# 56
54) Dibenzofuran	15.27	168	35229	5.96	ng	100
55) 4-Nitrophenol	15.06	139	4242	4.30	ng	95
56) 2,4-Dinitrotoluene	15.23	165	7084	4.87	ng	96
57) Fluorene	15.92	166	29317	5.39	ng	97
58) 2,3,4,6-Tetrachlorophenol	15.49	232	5791	5.47	ng	# 97
59) Diethylphthalate	15.67	149	29455	5.46	ng	99
60) 4-Chlorophenyl-phenylether	15.91	204	12577	5.20	ng	95
61) 4-Nitroaniline	15.93	138	6385	4.87	ng	95
62) Azobenzene	16.20	77	25230	5.95	ng	98
64) 4,6-Dinitro-2-methylphenol	15.98	198	1752	7.64	ng	95
65) n-Nitrosodiphenylamine	16.12	169	24476	5.27	ng	99
66) 4-Bromophenyl-phenylether	16.80	248	7667	5.05	ng	99
67) Hexachlorobenzene	16.92	284	8365	5.18	ng	91
68) Atrazine	17.05	200	7681	5.45	ng	98
69) Pentachlorophenol	17.26	266	3223	3.48	ng	95
70) Phenanthrene	17.66	178	44185	5.40	ng	99
71) Anthracene	17.75	178	43475	5.24	ng	98
72) Carbazole	18.01	167	40022	5.37	ng	99
73) Di-n-butylphthalate	18.55	149	48214	5.05	ng	99
74) Fluoranthene	19.65	202	45987	5.21	ng	100
76) Benzidine	19.82	184	4017	0.93	ng	# 94
77) Pyrene	20.01	202	48252	5.45	ng	96
79) Butylbenzylphthalate	20.88	149	20329	4.80	ng	95
80) Benzo(a)anthracene	21.88	228	43869	5.48	ng	99
81) 3,3'-Dichlorobenzidine	21.78	252	8176	2.75	ng	97
82) Chrysene	21.95	228	38806	5.15	ng	99
83) Bis(2-ethylhexyl)phthalate	21.77	149	30729	4.89	ng	98
84) Di-n-octyl phthalate	23.03	149	52613	5.10	ng	99
85) Indeno(1,2,3-cd)pyrene	29.14	276	44574	5.14	ng	# 86
87) Benzo(b)fluoranthene	24.20	252	41270	5.39	ng	97
88) Benzo(k)fluoranthene	24.27	252	40304	5.38	ng	99
89) Benzo(a)pyrene	25.11	252	38993	5.35	ng	98
90) Dibenzo(a,h)anthracene	29.21	278	37272	5.26	ng	96
91) Benzo(g,h,i)perylene	30.35	276	36573	5.20	ng	# 93

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

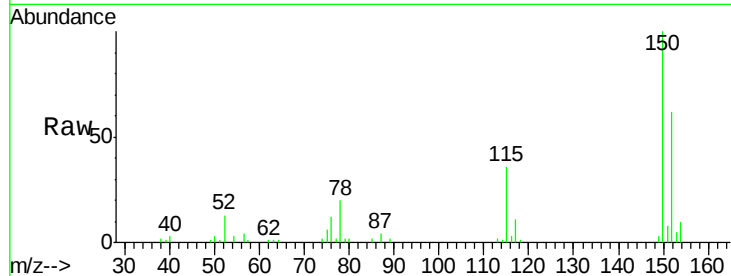


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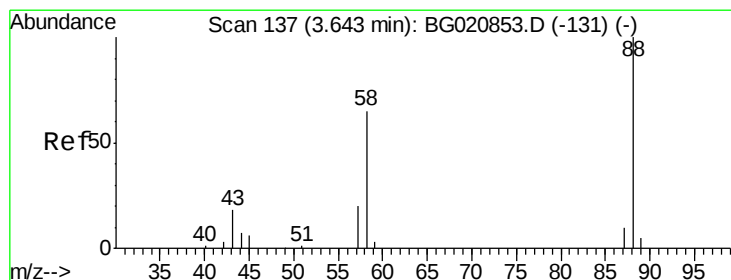
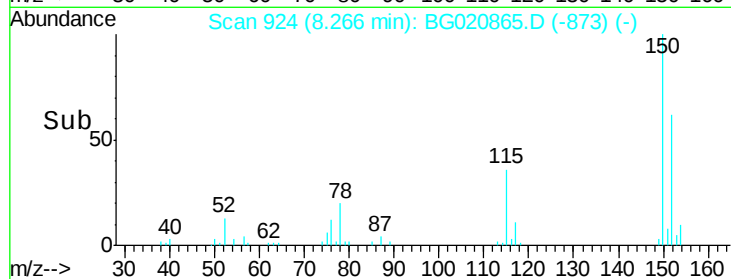
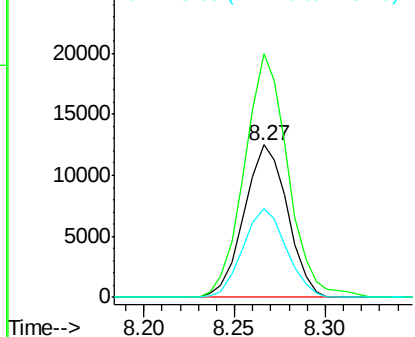
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.27 min Scan# 924
Delta R.T. -0.00 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:152 Resp: 20802
Ion Ratio Lower Upper
152 100
150 160.0 122.0 183.0
115 58.4 45.2 67.8



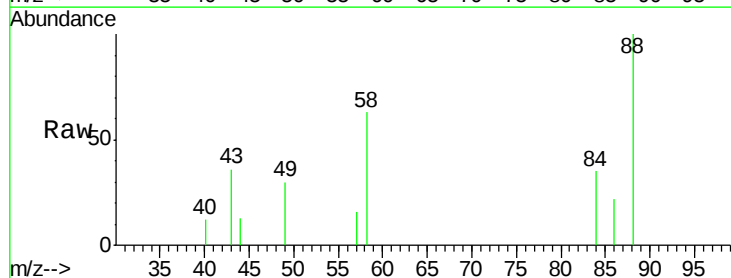
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



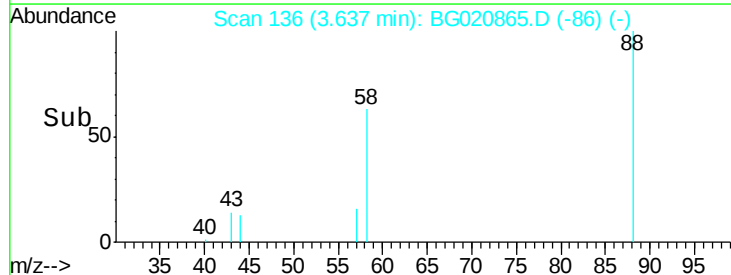
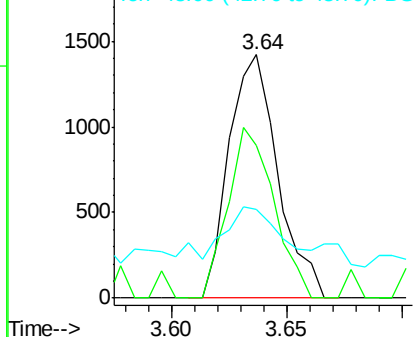
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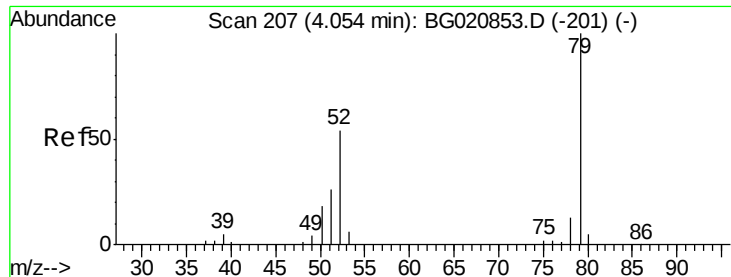
1,4-Dioxane
Concen: 4.65 ng
RT: 3.64 min Scan# 136
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Tgt Ion: 88 Resp: 2089
Ion Ratio Lower Upper
88 100
58 65.9 50.3 75.5
43 22.4 14.5 21.7#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 4.45 ng

RT: 4.05 min Scan# 207

Delta R.T. -0.00 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

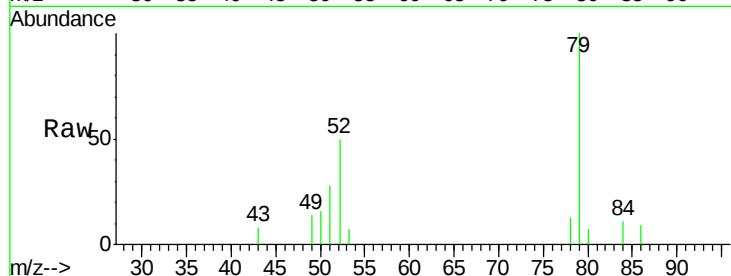
Tgt Ion: 79 Resp: 5915

Ion Ratio Lower Upper

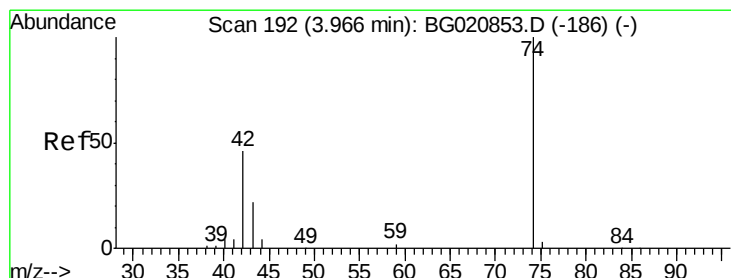
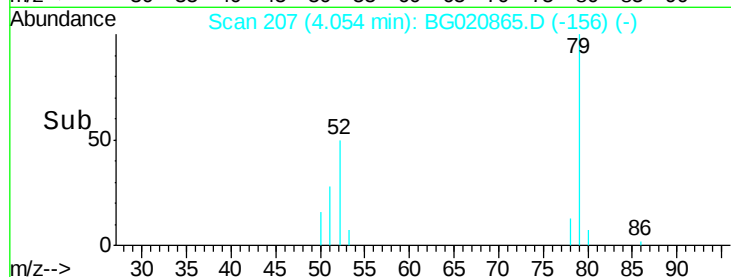
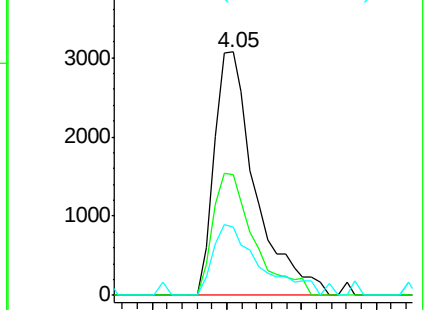
79 100

52 49.7 43.1 64.7

51 28.2 20.7 31.1



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: 4.66 ng

RT: 3.96 min Scan# 191

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

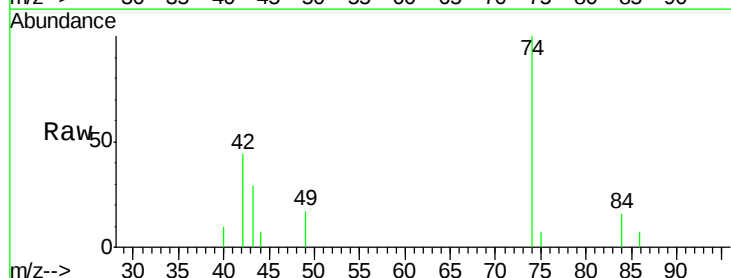
Tgt Ion: 42 Resp: 1619

Ion Ratio Lower Upper

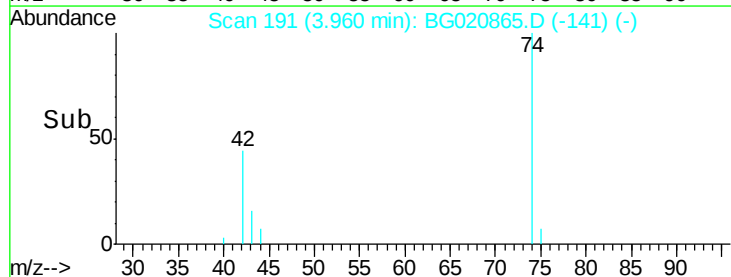
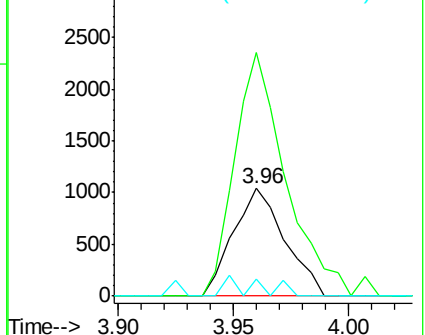
42 100

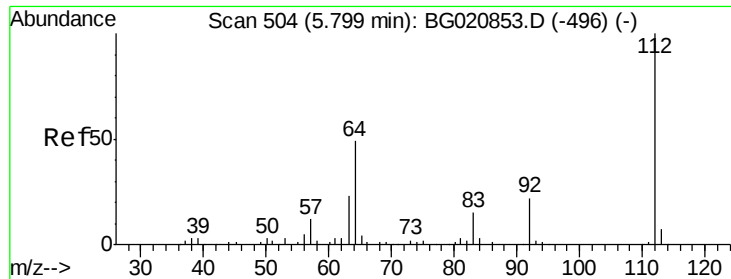
74 226.7 173.8 260.6

44 15.9 6.3 9.5#



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: 116.21 ng

RT: 5.80 min Scan# 504

Delta R.T. -0.00 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

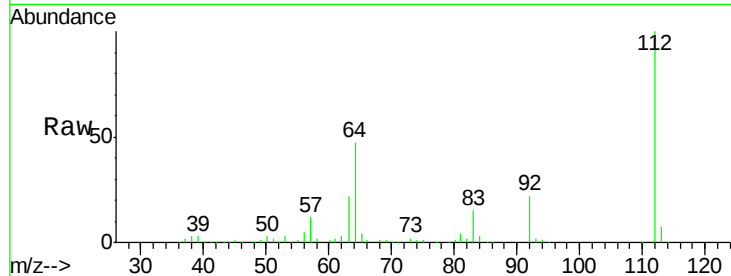
Tgt Ion: 112 Resp: 143542

Ion Ratio Lower Upper

112 100

64 46.8 39.3 58.9

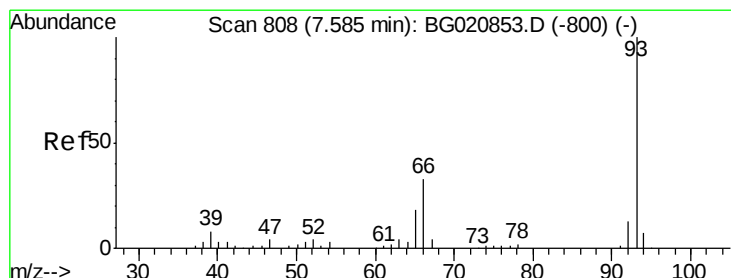
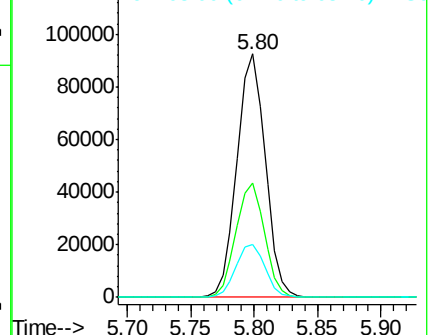
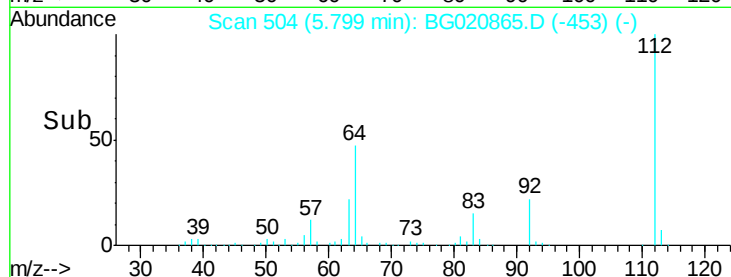
63 21.8 18.2 27.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 2.32 ng

RT: 7.58 min Scan# 808

Delta R.T. -0.00 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

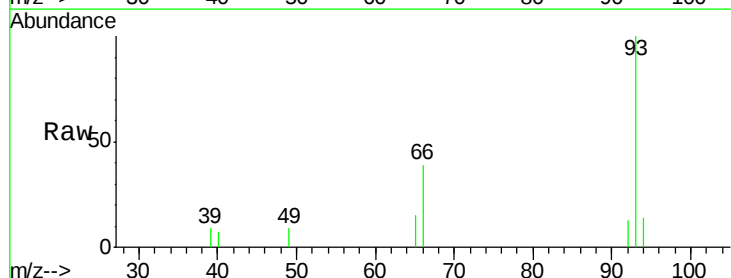
Tgt Ion: 93 Resp: 5217

Ion Ratio Lower Upper

93 100

66 39.1 26.6 40.0

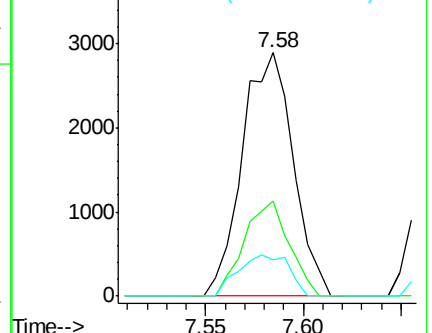
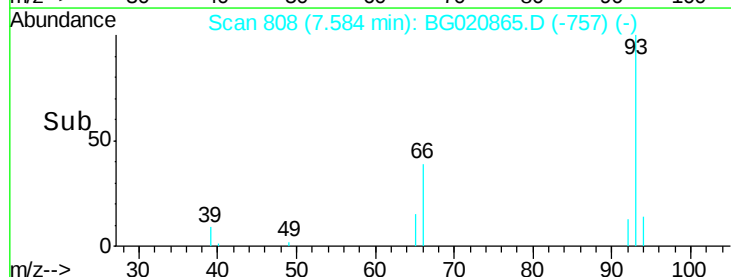
65 14.7 14.0 21.0

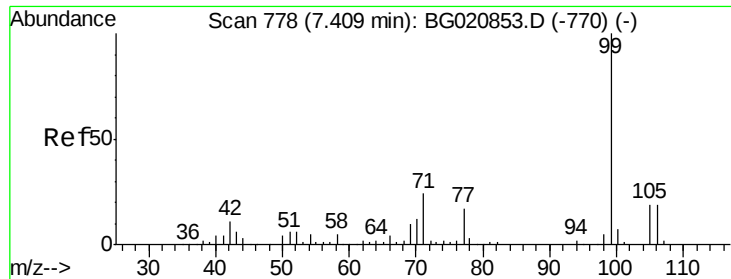


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 111.35 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.00 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

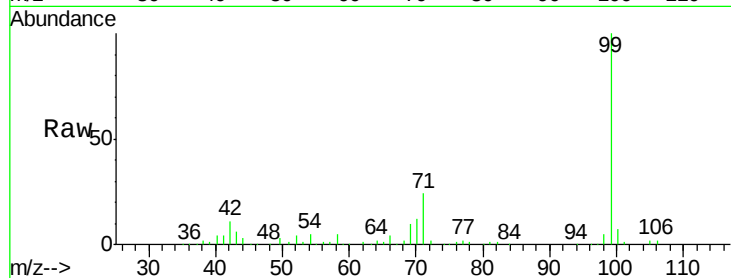
Tgt Ion: 99 Resp: 201041

Ion Ratio Lower Upper

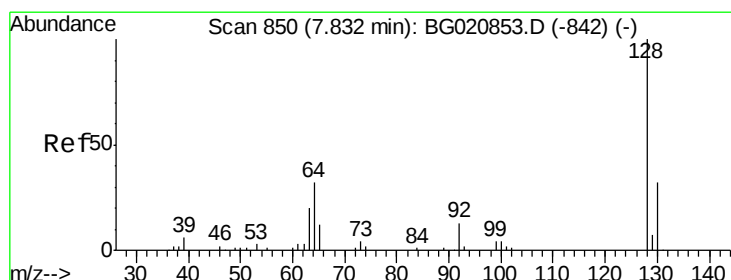
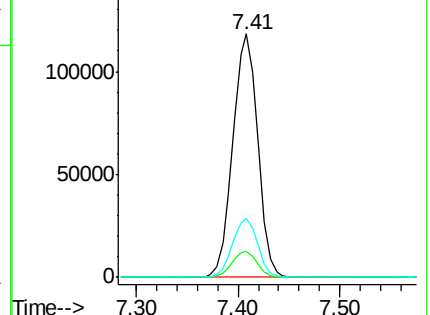
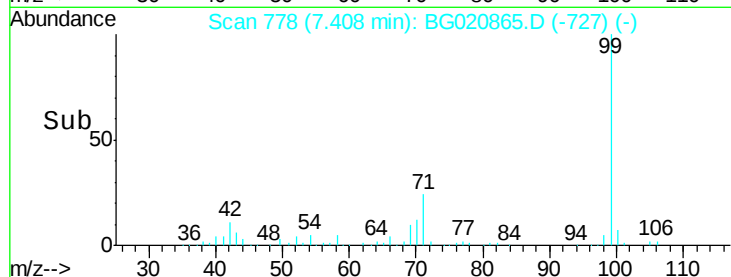
99 100

42 10.6 8.4 12.6

71 24.1 19.4 29.0



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: 5.57 ng

RT: 7.83 min Scan# 849

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

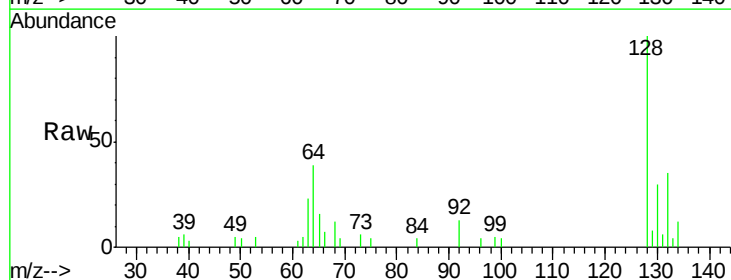
Tgt Ion: 128 Resp: 8588

Ion Ratio Lower Upper

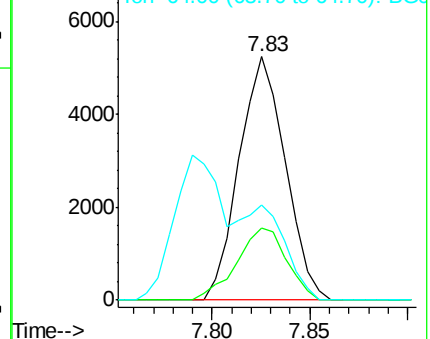
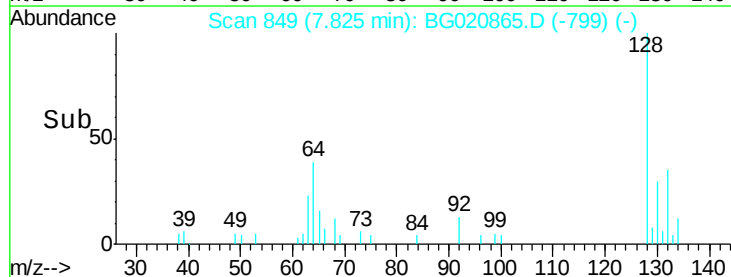
128 100

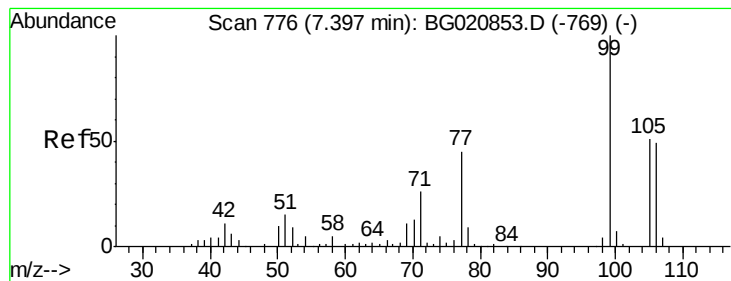
130 29.8 12.3 52.3

64 39.0 15.9 55.9



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: 7.59 ng

RT: 7.40 min Scan# 776

Delta R.T. -0.00 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

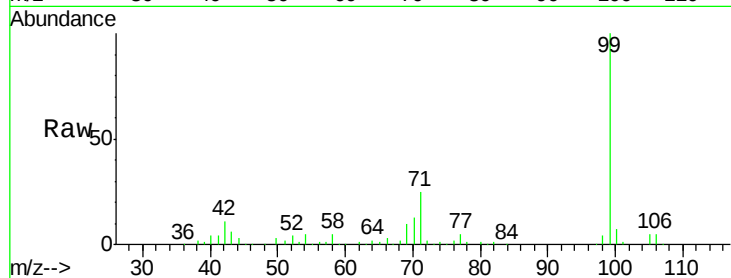
Tgt Ion: 77 Resp: 6860

Ion Ratio Lower Upper

77 100

105 109.9 93.4 133.4

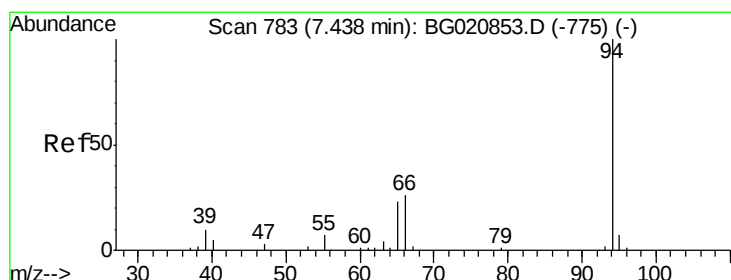
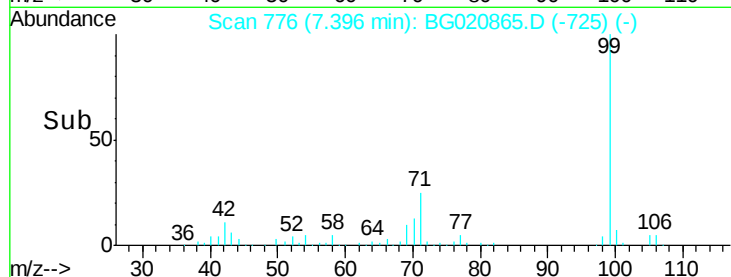
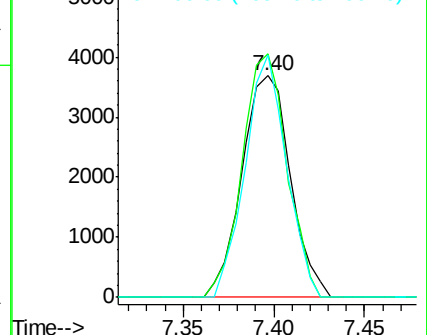
106 109.4 88.7 128.7



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: 5.81 ng

RT: 7.43 min Scan# 782

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

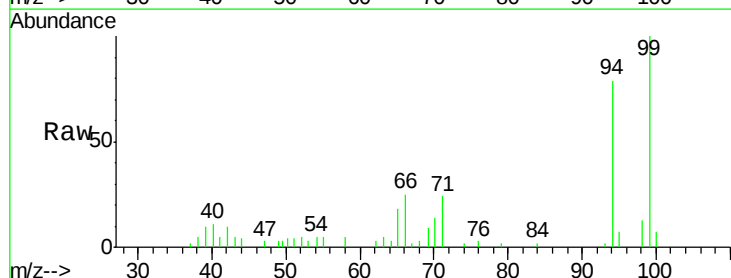
Tgt Ion: 94 Resp: 11102

Ion Ratio Lower Upper

94 100

65 22.3 2.8 42.8

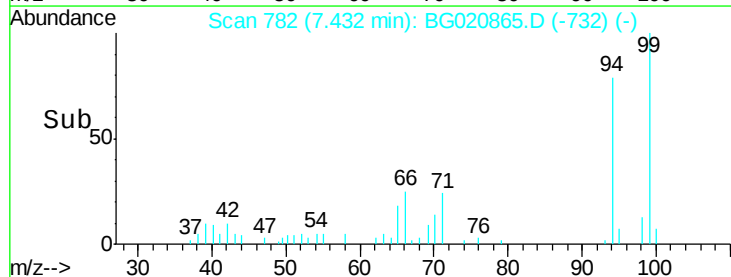
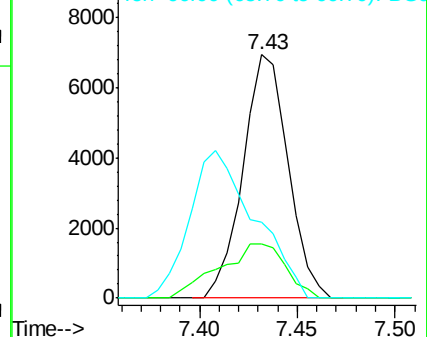
66 31.4 7.2 47.2

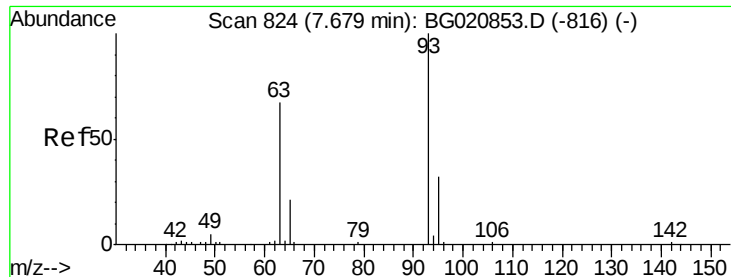


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

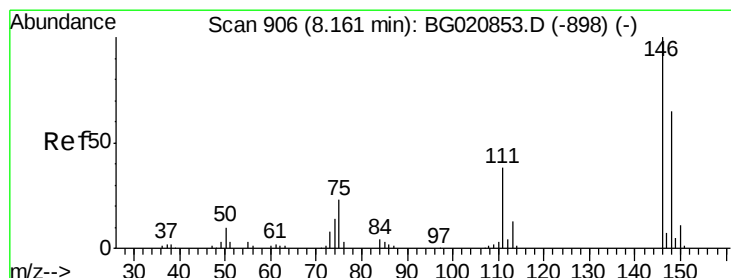
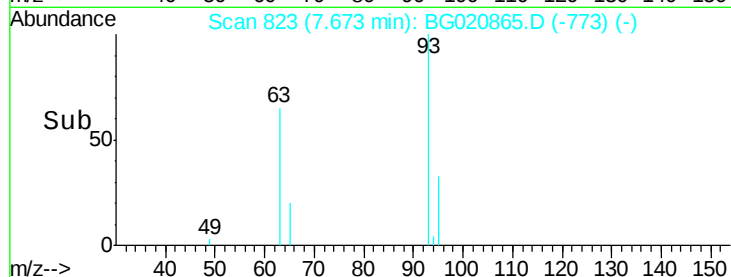
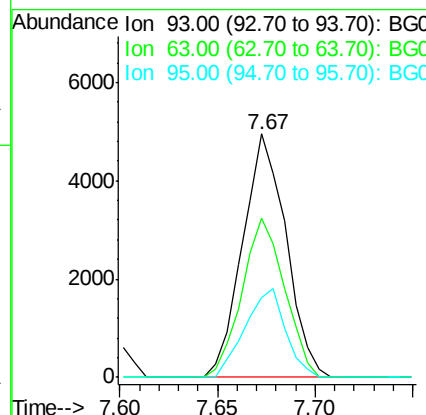
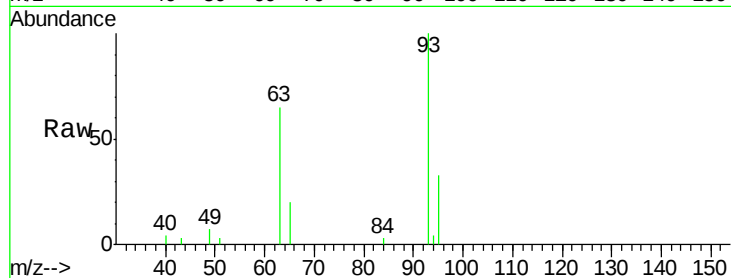




#11
 bis(2-Chloroethyl)ether
 Concen: 4.99 ng
 RT: 7.67 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

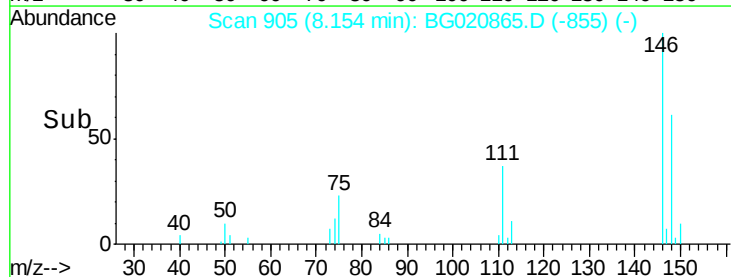
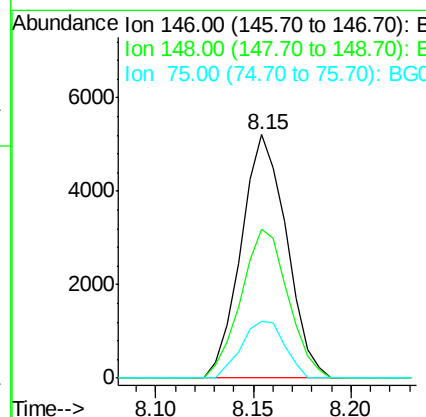
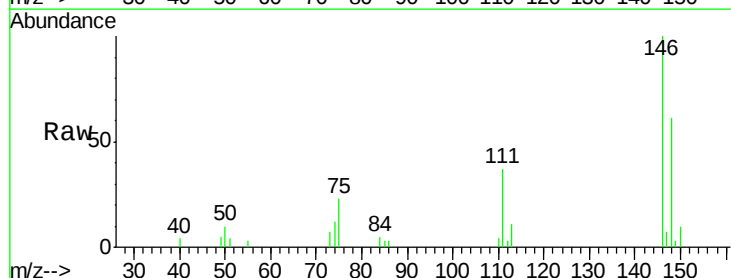
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

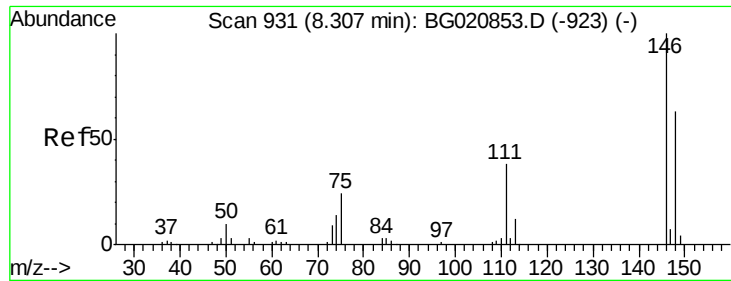
Tgt Ion: 93 Resp: 7609
 Ion Ratio Lower Upper
 93 100
 63 65.4 46.4 86.4
 95 32.7 12.1 52.1



#12
 1,3-Dichlorobenzene
 Concen: 5.14 ng
 RT: 8.15 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Tgt Ion: 146 Resp: 8392
 Ion Ratio Lower Upper
 146 100
 148 61.1 51.8 77.8
 75 23.4 18.7 28.1

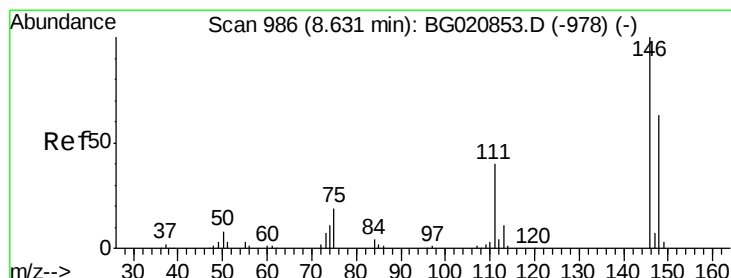
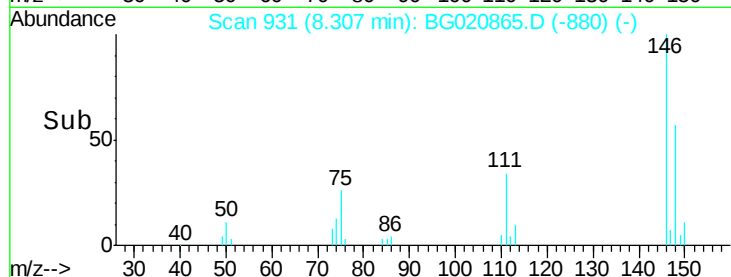
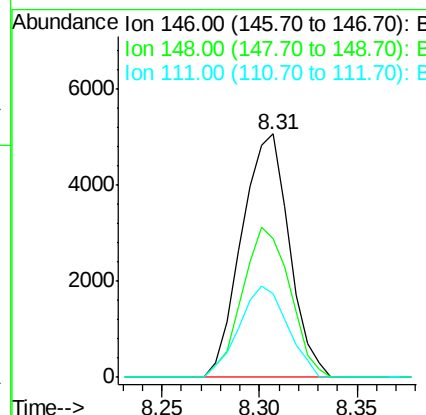
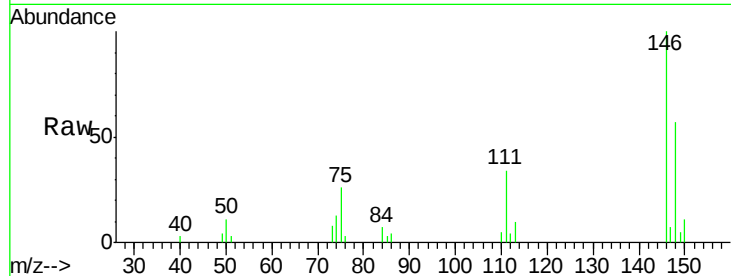




#13
 1,4-Dichlorobenzene
 Concen: 5.17 ng
 RT: 8.31 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

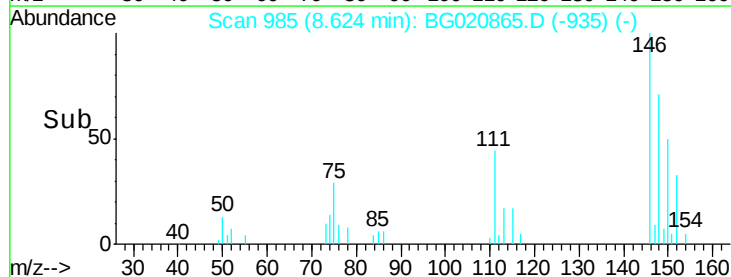
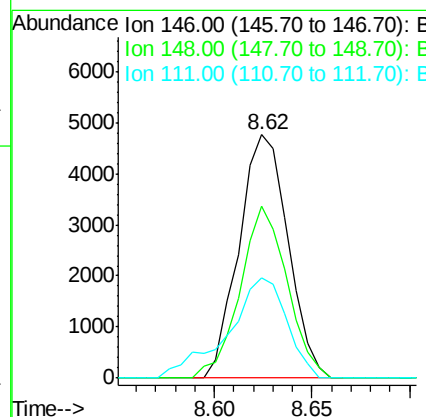
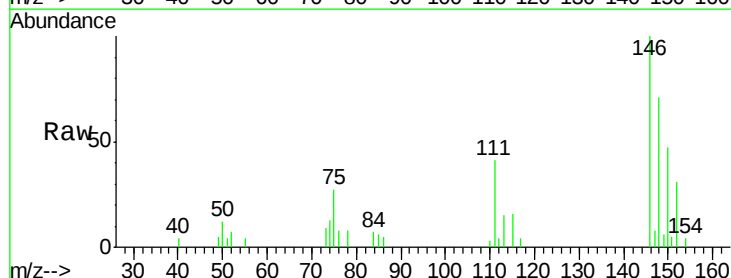
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

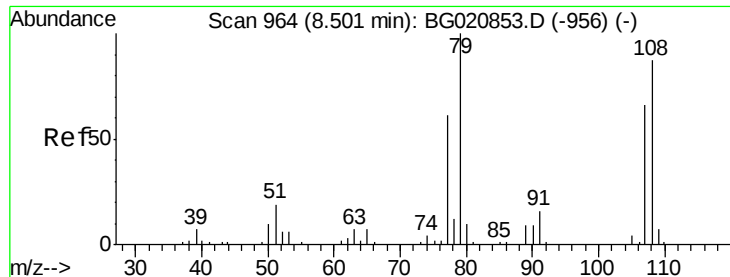
Tgt Ion:146 Resp: 8549
 Ion Ratio Lower Upper
 146 100
 148 57.1 50.8 76.2
 111 34.1 30.1 45.1



#14
 1,2-Dichlorobenzene
 Concen: 5.14 ng
 RT: 8.62 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Tgt Ion:146 Resp: 8274
 Ion Ratio Lower Upper
 146 100
 148 70.5 50.6 76.0
 111 41.2 32.6 48.8





#15

Benzyl Alcohol

Concen: 5.28 ng

RT: 8.50 min Scan# 964

Delta R.T. -0.00 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

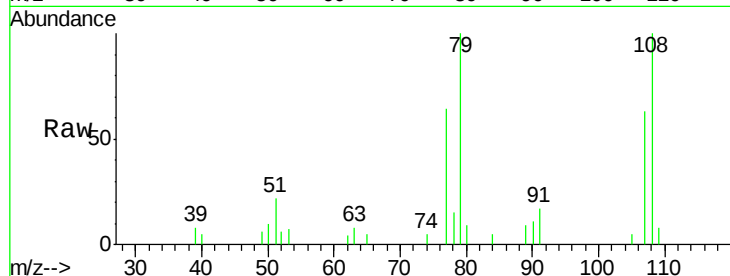
Tgt Ion: 79 Resp: 6009

Ion Ratio Lower Upper

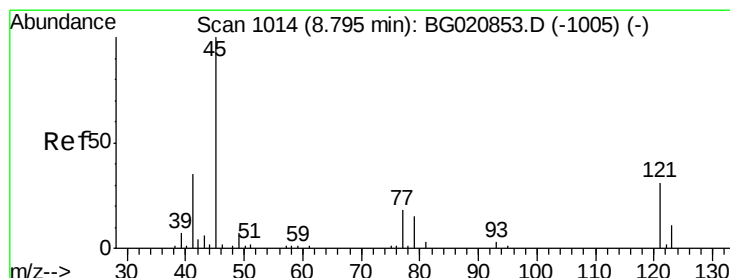
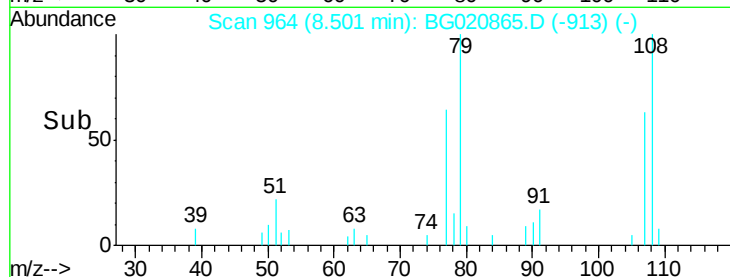
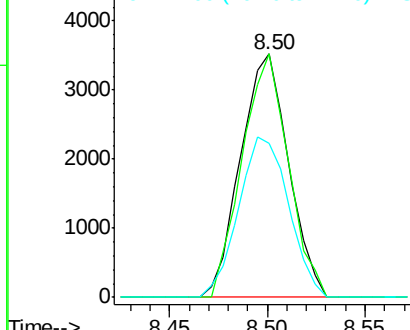
79 100

108 99.9 69.4 104.2

77 63.5 48.6 73.0



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: 4.79 ng

RT: 8.79 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

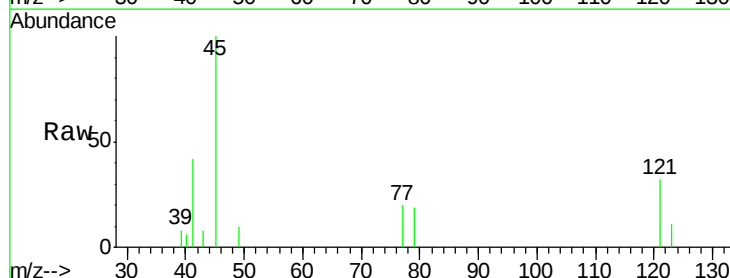
Tgt Ion: 45 Resp: 7620

Ion Ratio Lower Upper

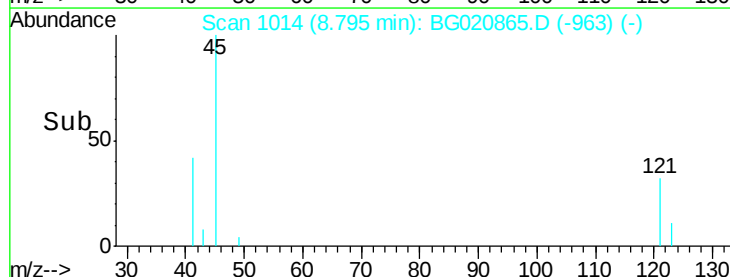
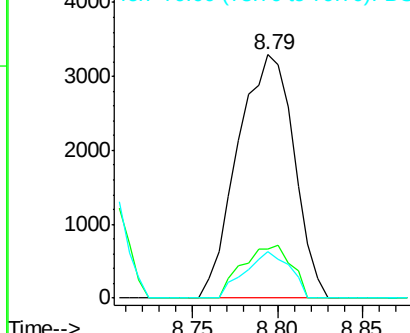
45 100

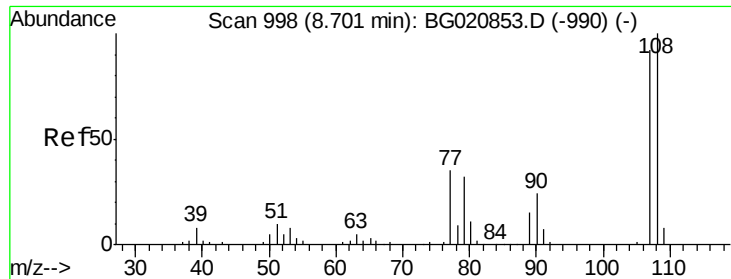
77 20.3 0.0 38.5

79 19.1 0.0 34.9



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

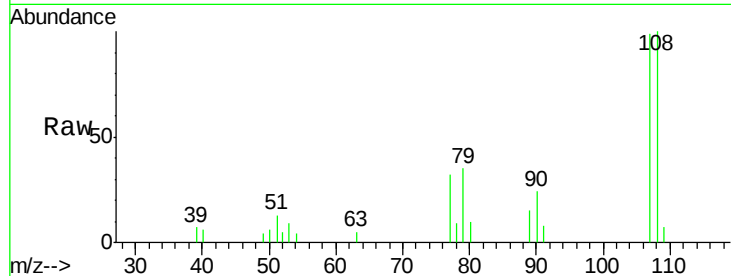




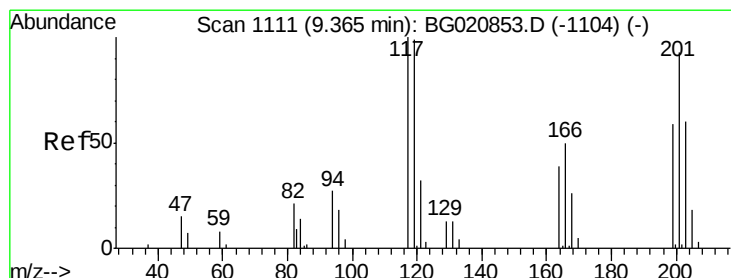
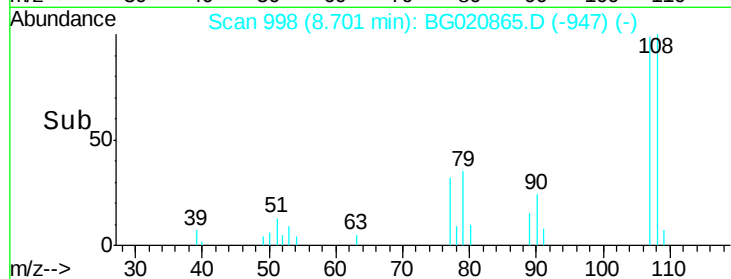
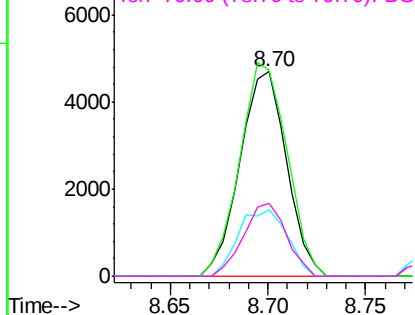
#17
2-Methylphenol
Concen: 5.65 ng
RT: 8.70 min Scan# 998
Delta R.T. -0.00 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:107 Resp: 7771
Ion Ratio Lower Upper
107 100
108 100.9 87.0 130.4
77 32.5 30.1 45.1
79 35.4 27.4 41.2

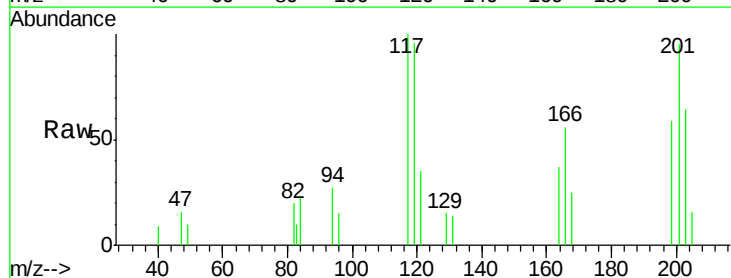


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

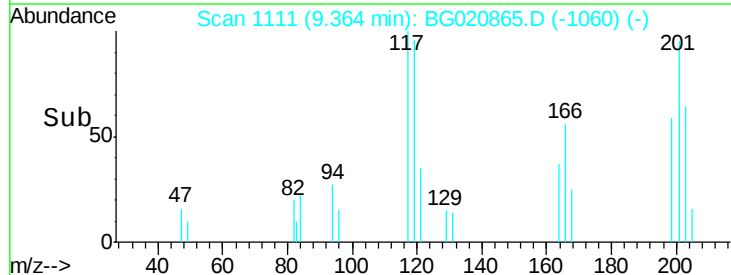
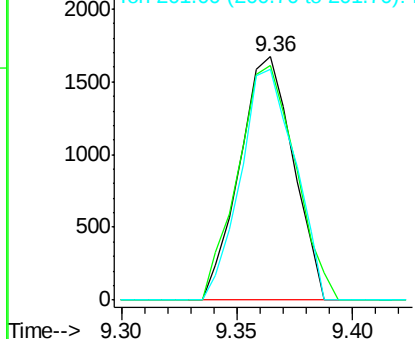


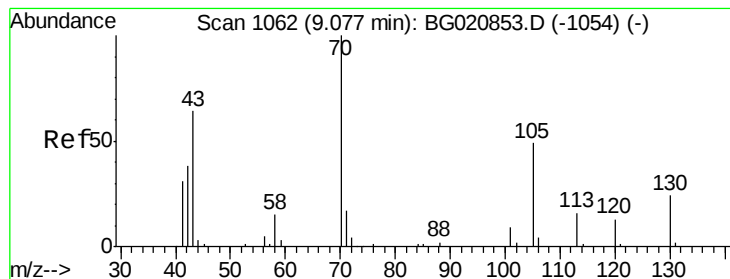
#18
Hexachloroethane
Concen: 4.75 ng
RT: 9.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Tgt Ion:117 Resp: 2703
Ion Ratio Lower Upper
117 100
119 96.1 79.6 119.4
201 94.9 74.5 111.7



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: 4.88 ng

RT: 9.06 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion: 70 Resp: 5681

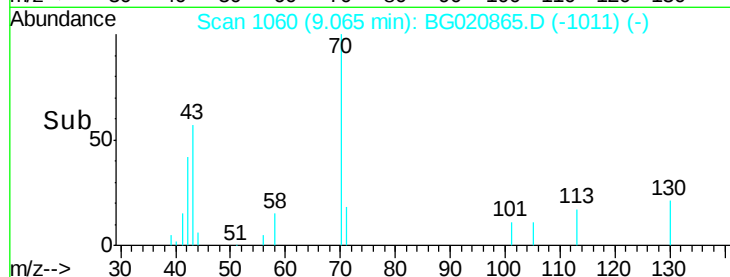
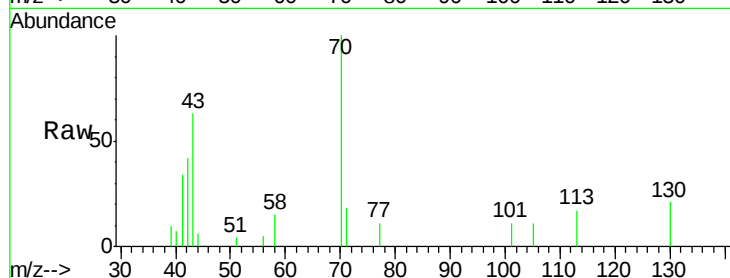
Ion Ratio Lower Upper

70 100

42 41.7 30.9 46.3

101 11.2 7.3 10.9#

130 21.0 19.4 29.0

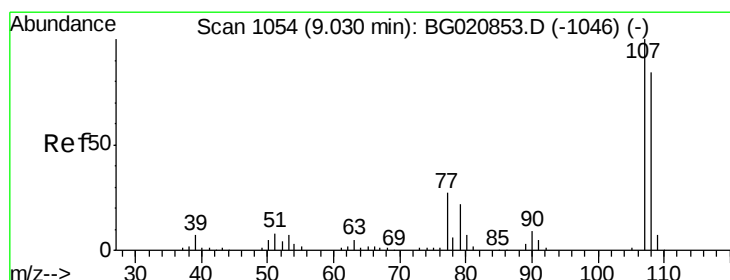
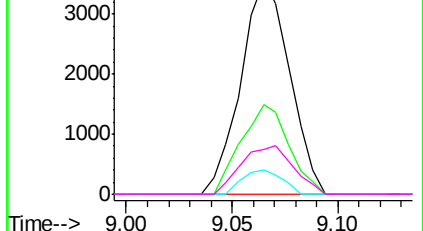


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20

3+4-Methylphenols

Concen: 5.24 ng

RT: 9.02 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Tgt Ion: 107 Resp: 10057

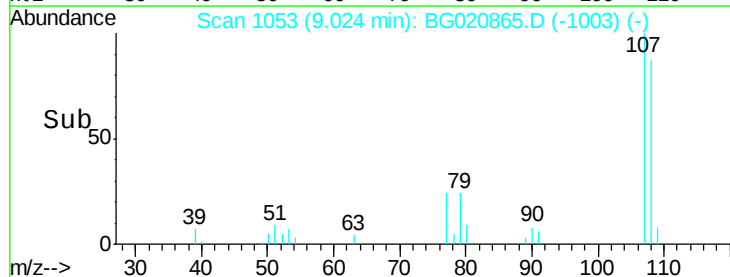
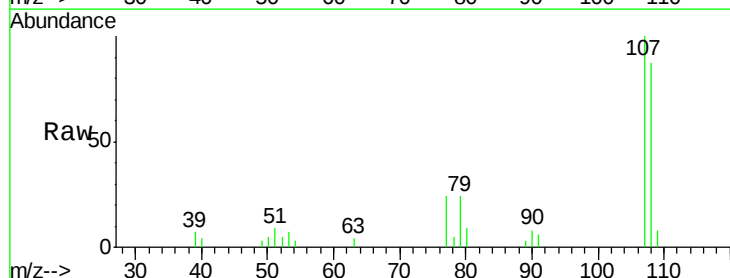
Ion Ratio Lower Upper

107 100

108 87.3 64.4 104.4

77 24.4 7.1 47.1

79 24.0 1.9 41.9

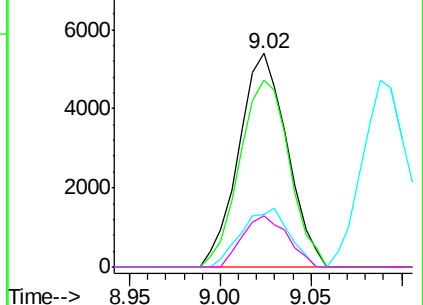


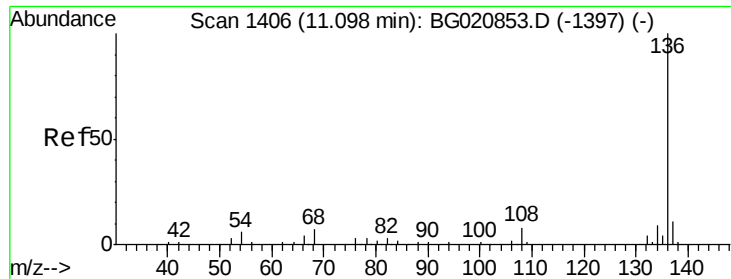
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

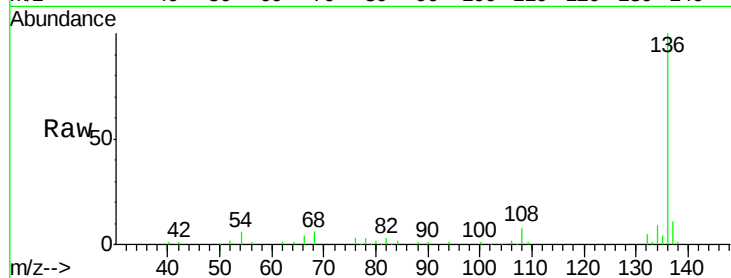




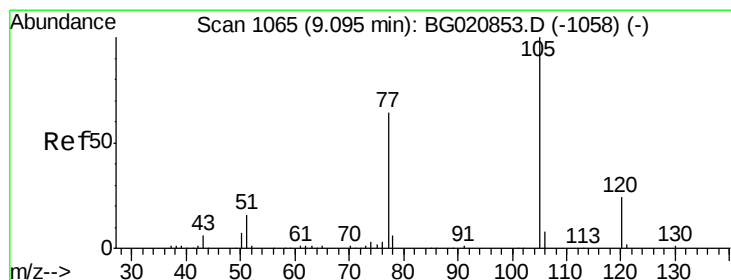
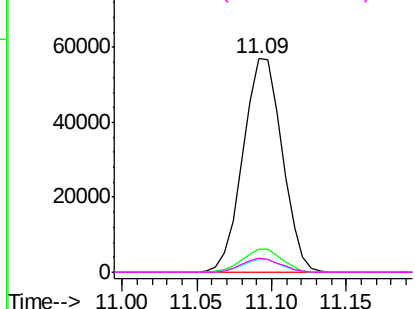
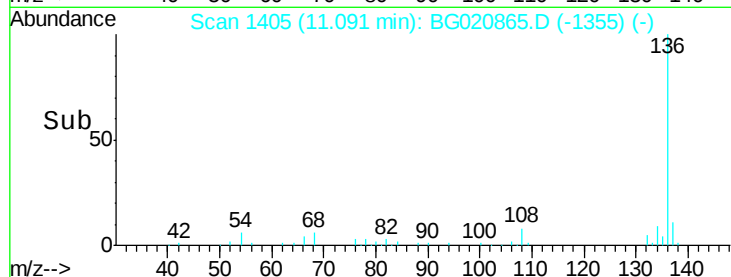
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.09 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:	136	Resp:	103743
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	5.7	5.0	7.4
68	6.4	5.2	7.8

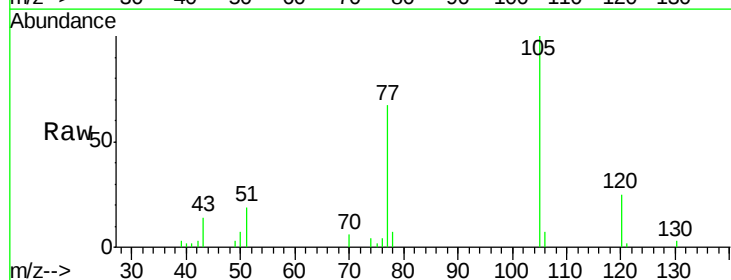


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

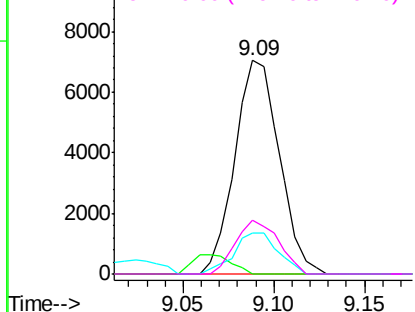
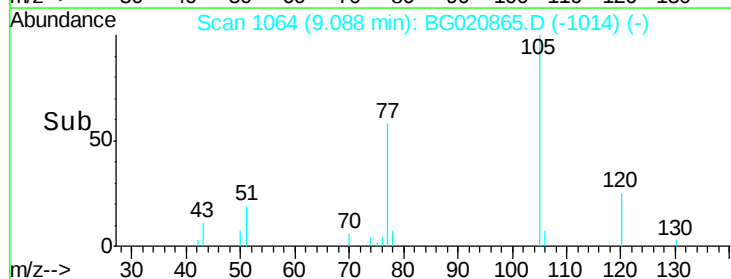


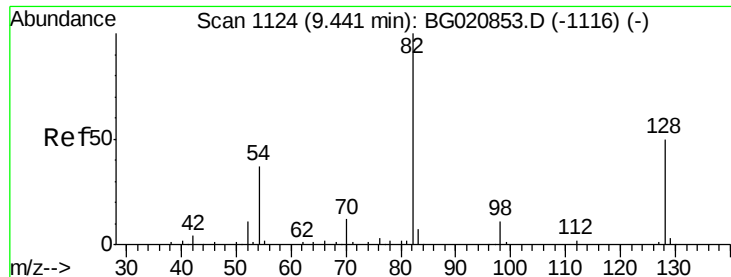
#22
Acetophenone
Concen: 4.83 ng
RT: 9.09 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Tgt Ion:	105	Resp:	12072
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.4	2.0#
51	19.2	13.7	20.5
120	25.0	19.0	28.6



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

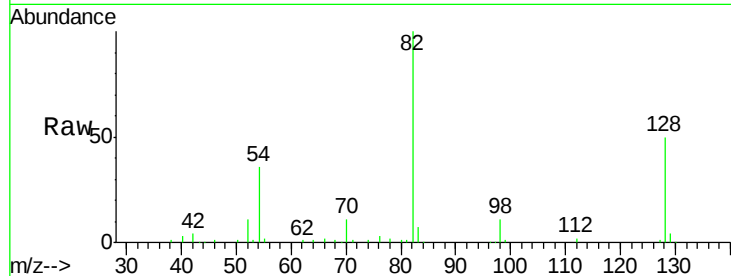




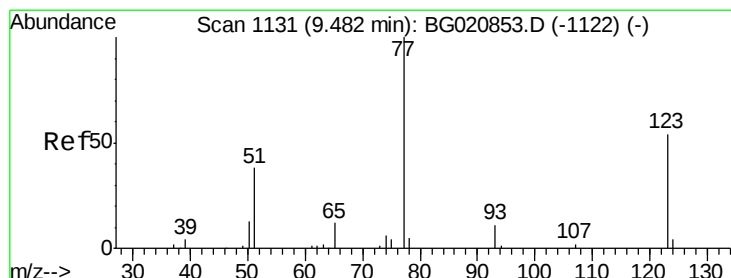
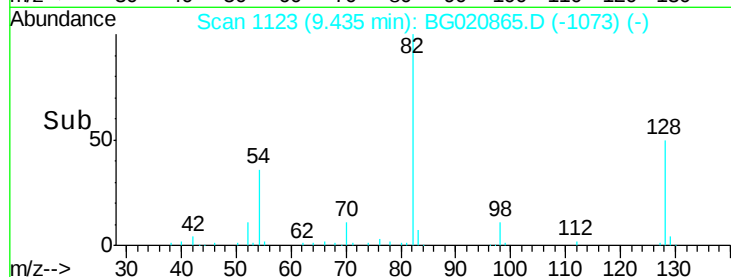
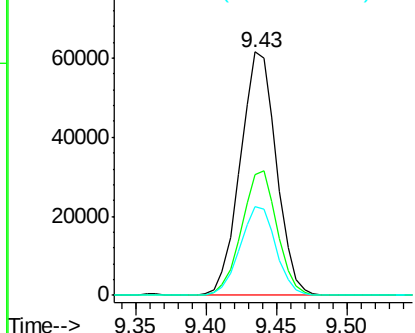
#23
 Nitrobenzene-d5
 Concen: 69.74 ng
 RT: 9.43 min Scan# 1123
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion: 82 Resp: 110034
 Ion Ratio Lower Upper
 82 100
 128 49.6 40.1 60.1
 54 36.3 29.5 44.3

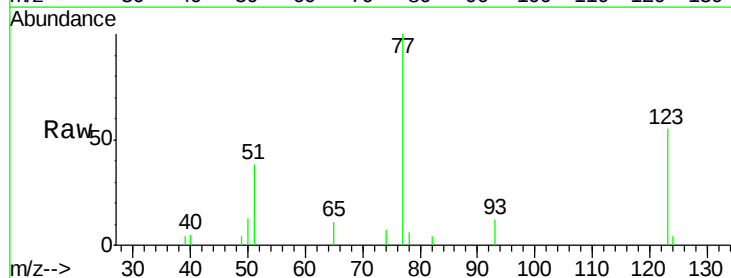


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

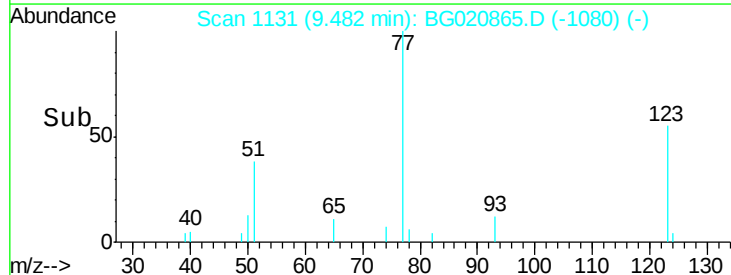
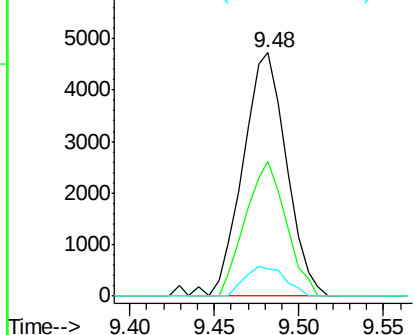


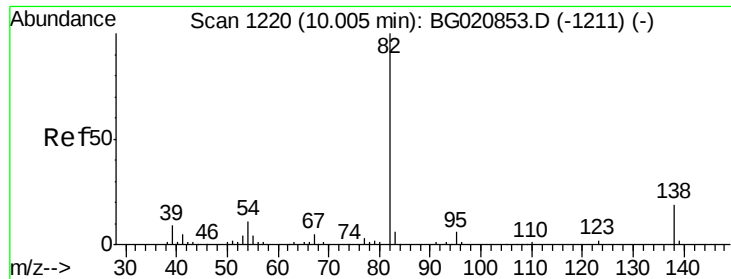
#24
 Nitrobenzene
 Concen: 5.13 ng
 RT: 9.48 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Tgt Ion: 77 Resp: 8438
 Ion Ratio Lower Upper
 77 100
 123 55.3 43.2 64.8
 65 11.3 9.2 13.8



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





#25

Isophorone

Concen: 4.88 ng

RT: 10.00 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

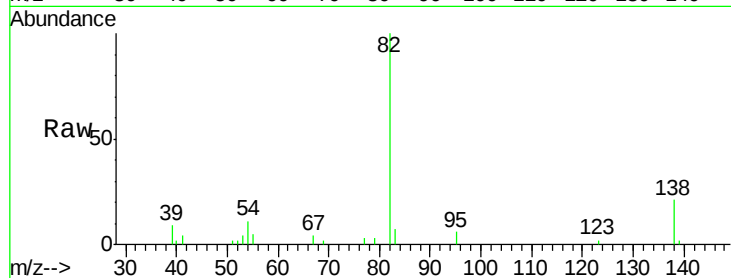
Tgt Ion: 82 Resp: 16240

Ion Ratio Lower Upper

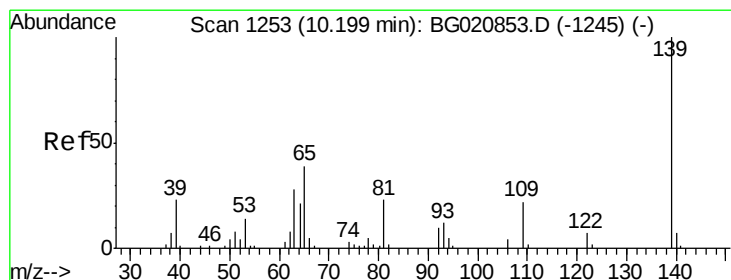
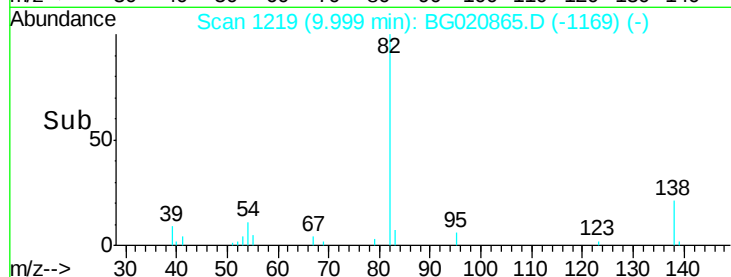
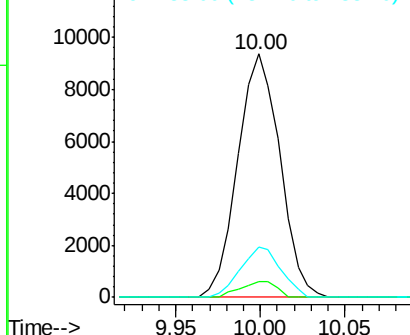
82 100

95 6.4 4.8 7.2

138 20.6 15.4 23.0



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



#26

2-Nitrophenol

Concen: 4.54 ng

RT: 10.19 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

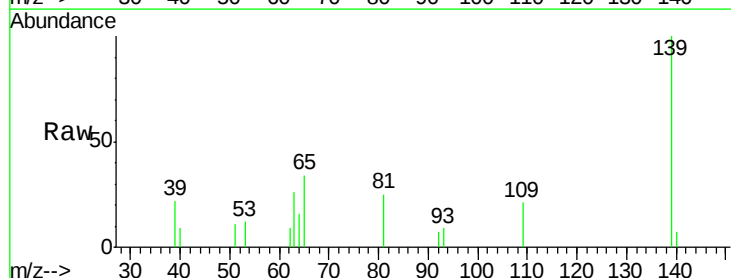
Tgt Ion: 139 Resp: 3927

Ion Ratio Lower Upper

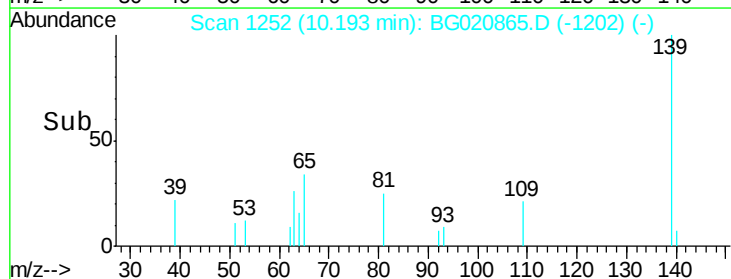
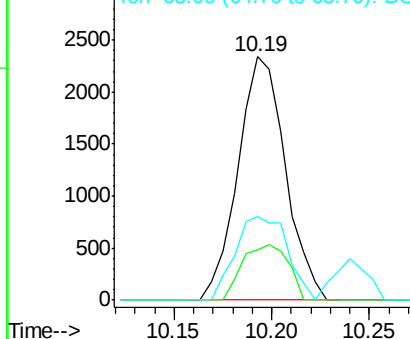
139 100

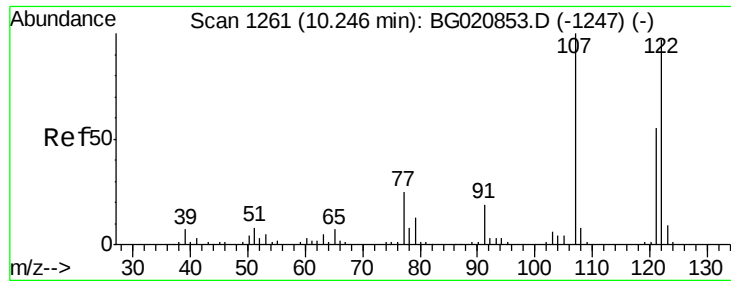
109 20.7 17.6 26.4

65 34.5 31.0 46.6



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

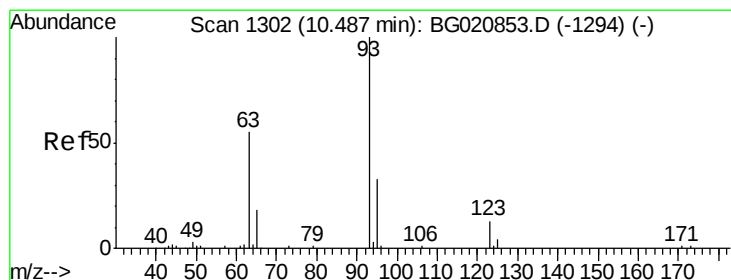
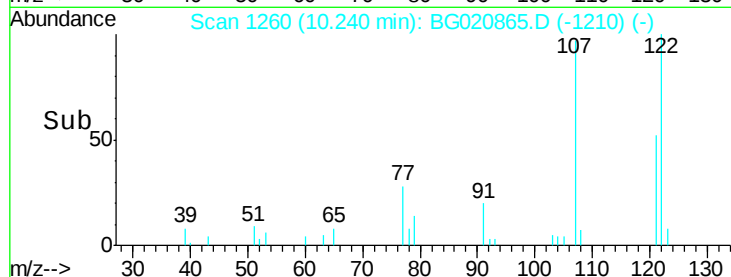
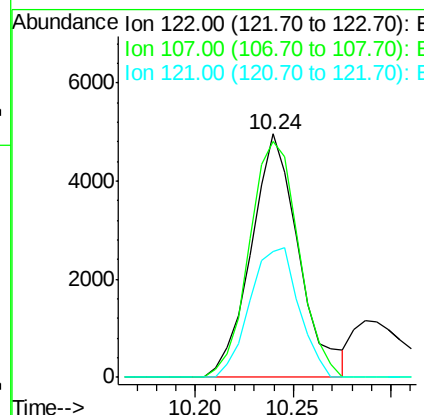
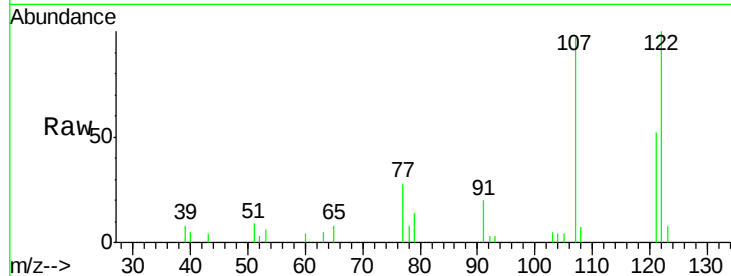




#27
 2,4-Dimethylphenol
 Concen: 5.07 ng
 RT: 10.24 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

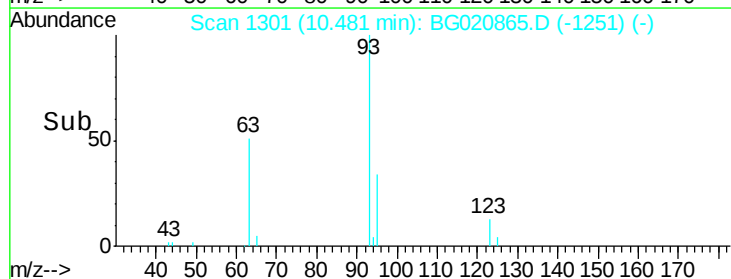
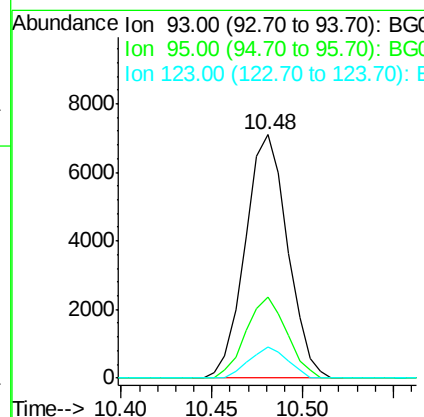
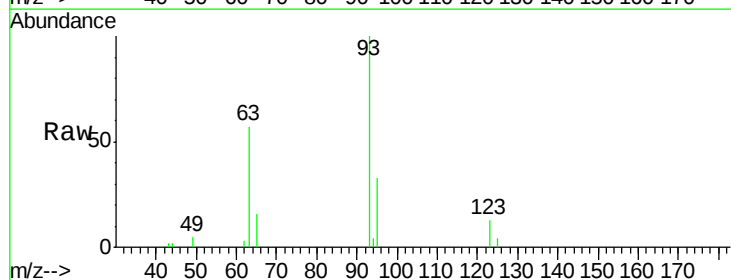
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

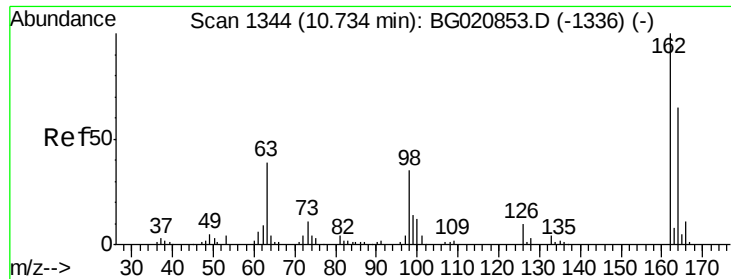
Tgt Ion: 122 Resp: 8401
 Ion Ratio Lower Upper
 122 100
 107 96.7 82.6 124.0
 121 51.8 45.6 68.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 5.61 ng
 RT: 10.48 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Tgt Ion: 93 Resp: 11493
 Ion Ratio Lower Upper
 93 100
 95 33.2 26.2 39.2
 123 12.8 10.0 15.0

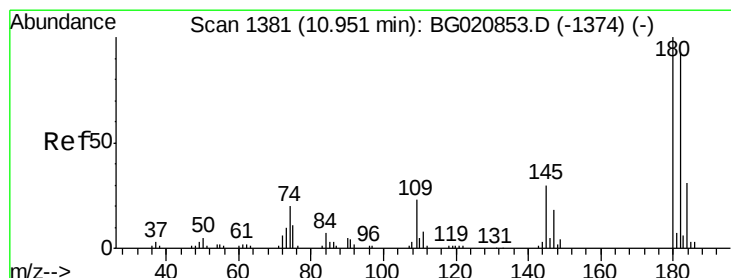
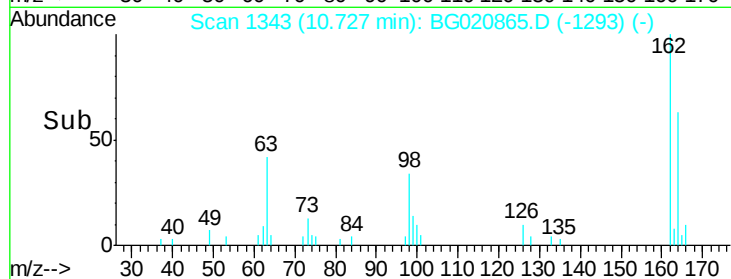
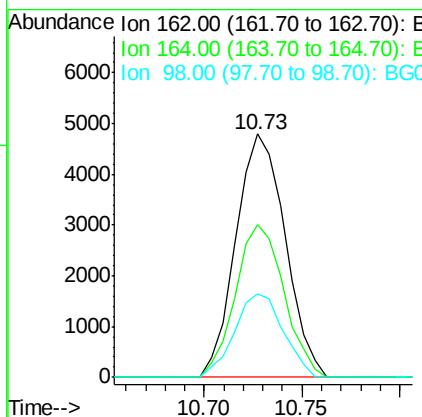
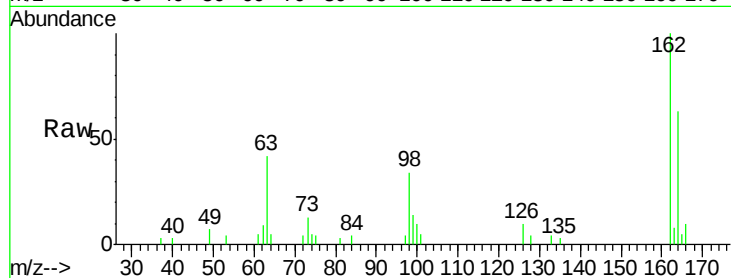




#29
 2,4-Dichlorophenol
 Concen: 5.63 ng
 RT: 10.73 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

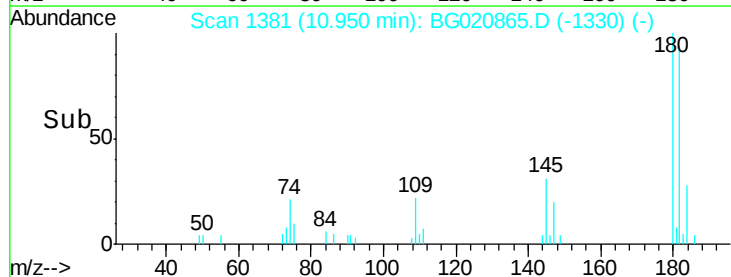
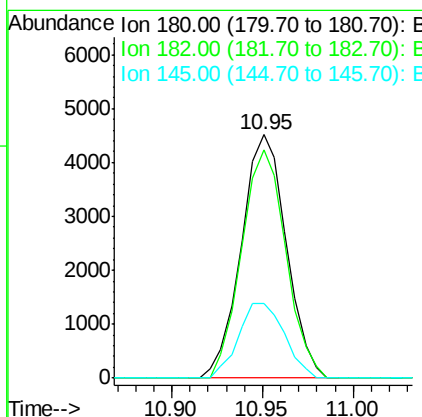
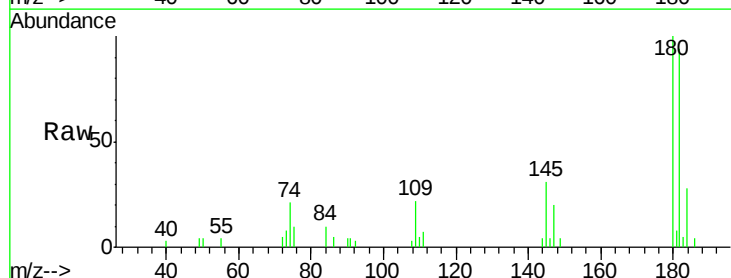
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

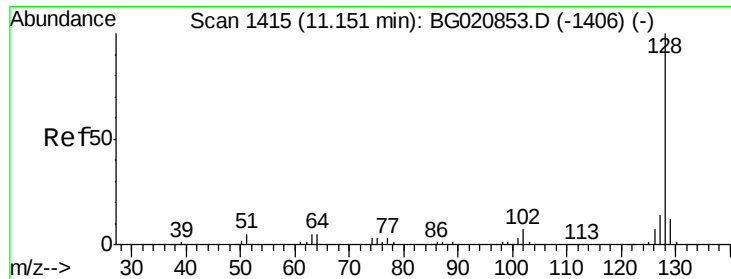
Tgt Ion:162 Resp: 8373
 Ion Ratio Lower Upper
 162 100
 164 62.8 44.5 84.5
 98 34.3 14.9 54.9



#30
 1,2,4-Trichlorobenzene
 Concen: 5.22 ng
 RT: 10.95 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Tgt Ion:180 Resp: 7822
 Ion Ratio Lower Upper
 180 100
 182 93.8 74.1 111.1
 145 30.6 24.1 36.1

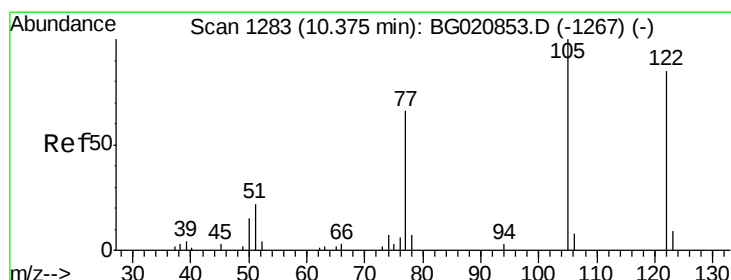
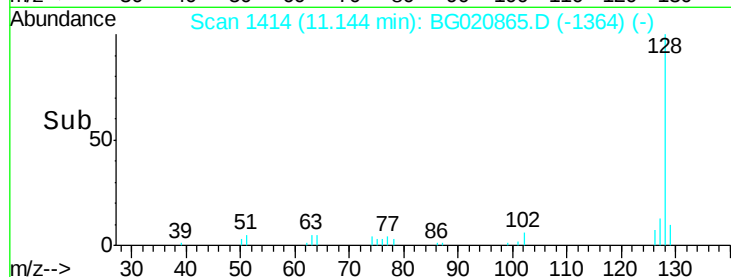
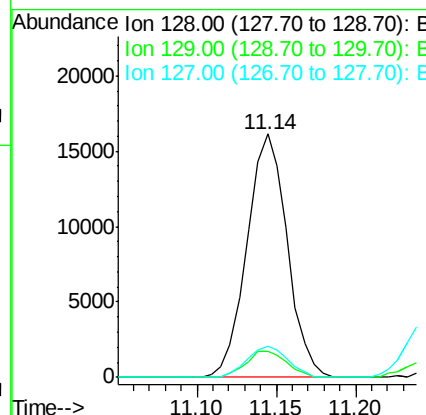
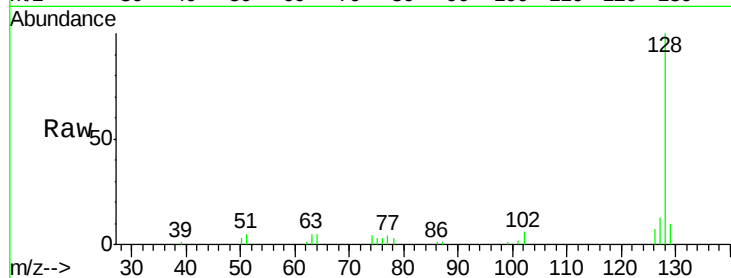




#31
Naphthalene
Concen: 5.29 ng
RT: 11.14 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

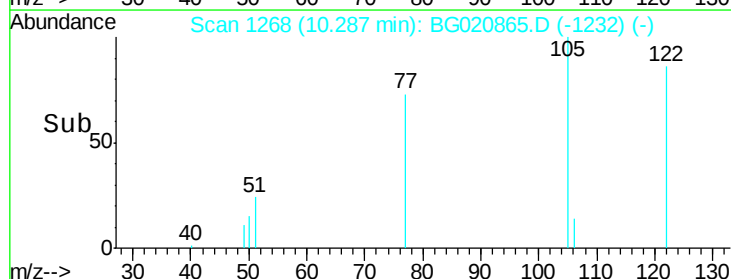
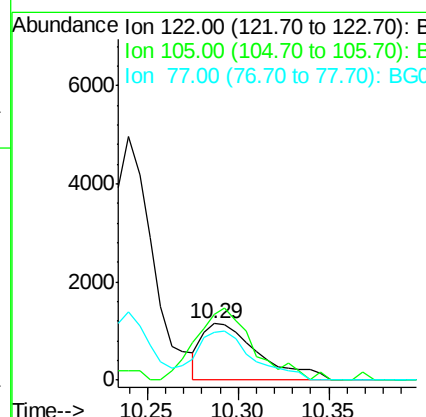
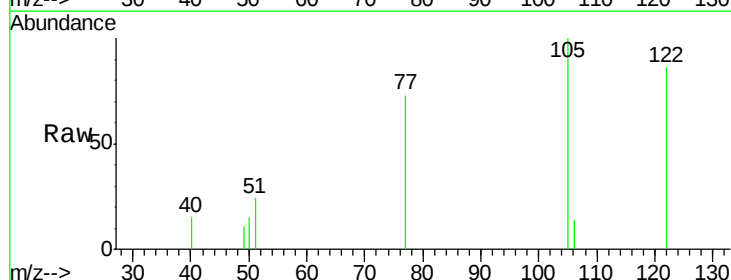
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

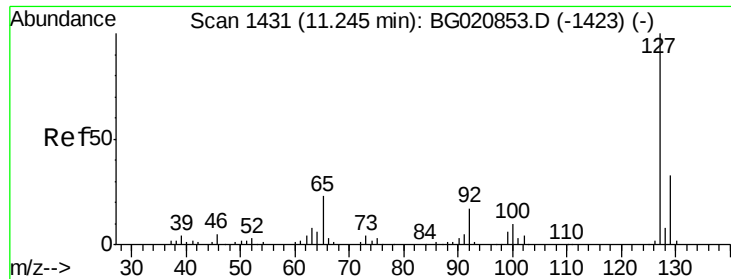
Tgt Ion:128 Resp: 28409
Ion Ratio Lower Upper
128 100
129 10.5 9.3 13.9
127 13.0 11.4 17.2



#32
Benzoic acid
Concen: 1.87 ng
RT: 10.29 min Scan# 1268
Delta R.T. -0.09 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Tgt Ion:122 Resp: 2482
Ion Ratio Lower Upper
122 100
105 116.5 94.0 134.0
77 85.1 56.8 96.8

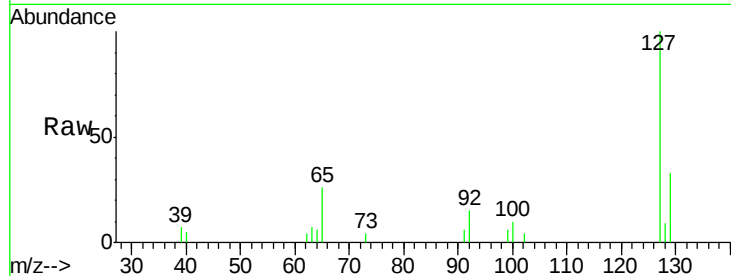




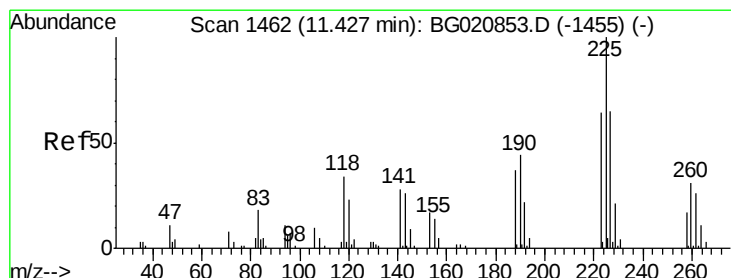
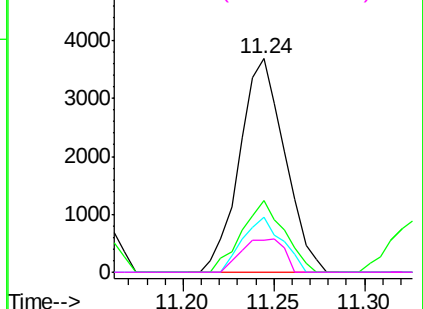
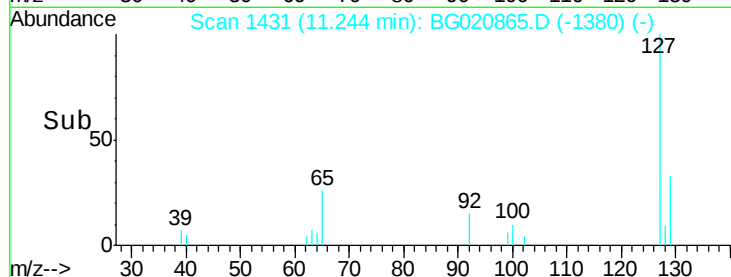
#33
4-Chloroaniline
Concen: 2.78 ng
RT: 11.24 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:	127	Resp:	6418
Ion	Ratio	Lower	Upper
127	100		
129	33.5	26.2	39.4
65	25.7	18.6	27.8
92	14.8	13.3	19.9

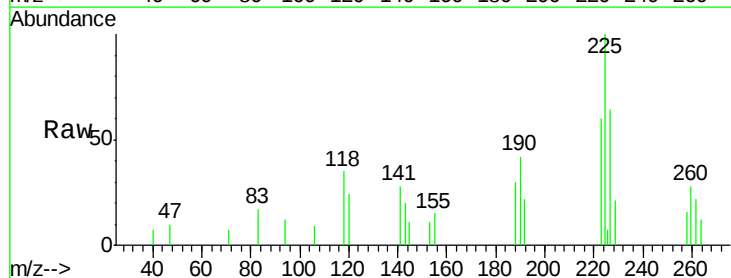


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

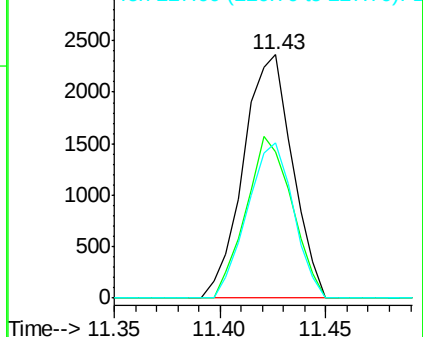
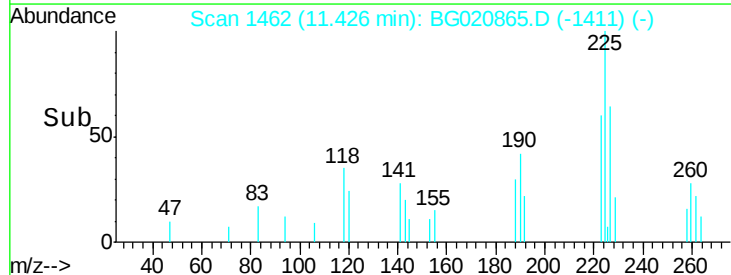


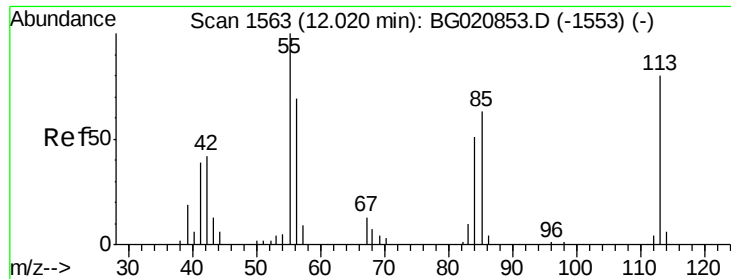
#34
Hexachlorobutadiene
Concen: 5.00 ng
RT: 11.43 min Scan# 1462
Delta R.T. -0.00 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Tgt Ion:	225	Resp:	3813
Ion	Ratio	Lower	Upper
225	100		
223	60.2	51.0	76.6
227	64.0	51.7	77.5



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: 5.56 ng

RT: 11.98 min Scan# 1556

Delta R.T. -0.04 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

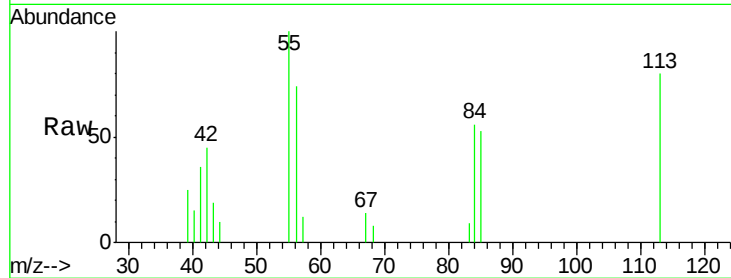
Tgt Ion:113 Resp: 3169

Ion Ratio Lower Upper

113 100

55 124.9 104.4 144.4

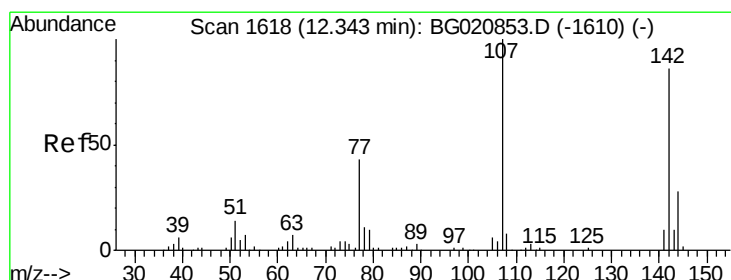
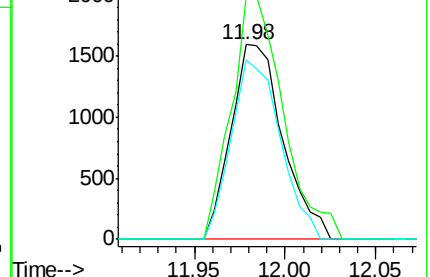
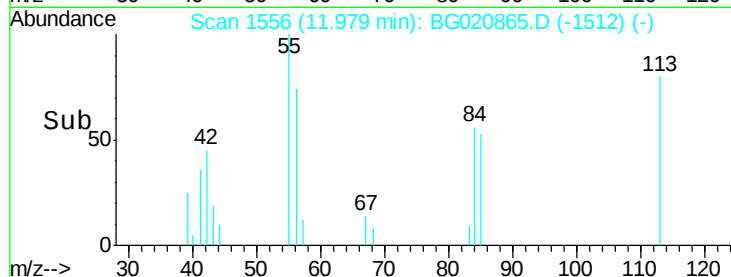
56 92.1 65.4 105.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 5.56 ng

RT: 12.34 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

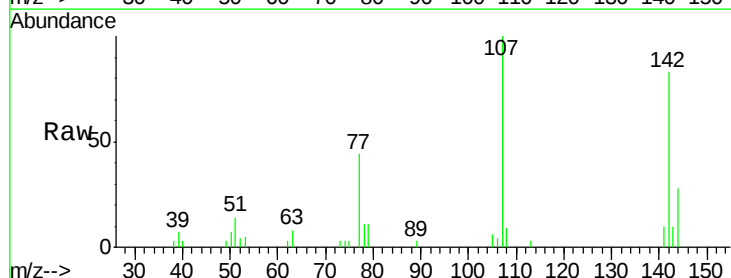
Tgt Ion:107 Resp: 9470

Ion Ratio Lower Upper

107 100

144 27.7 22.4 33.6

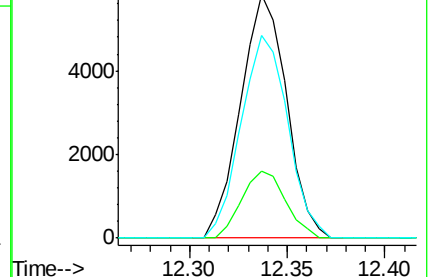
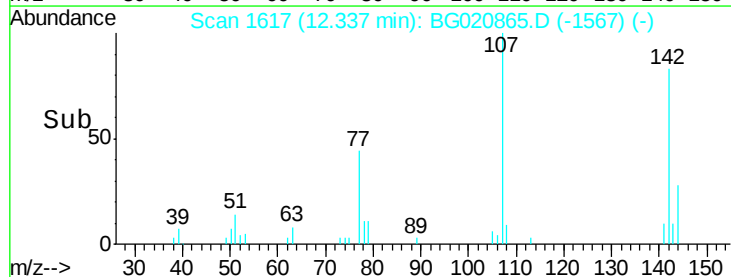
142 83.1 68.6 103.0

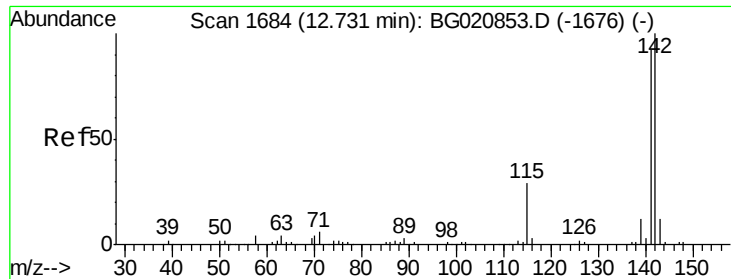


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

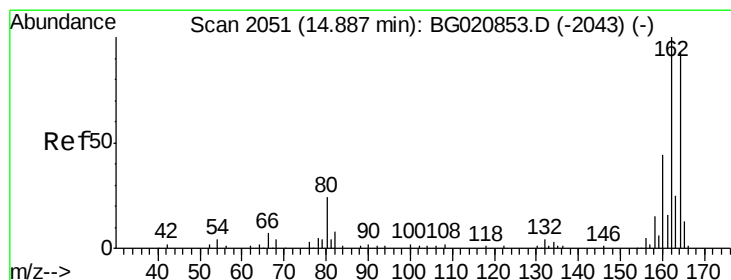
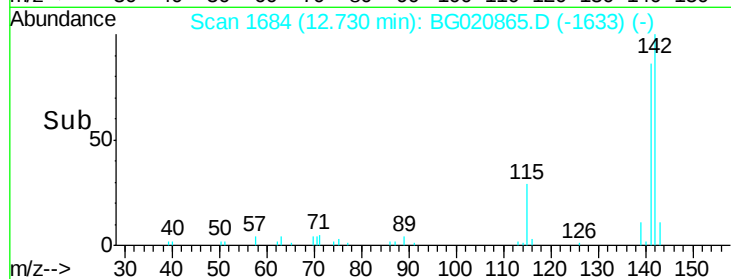
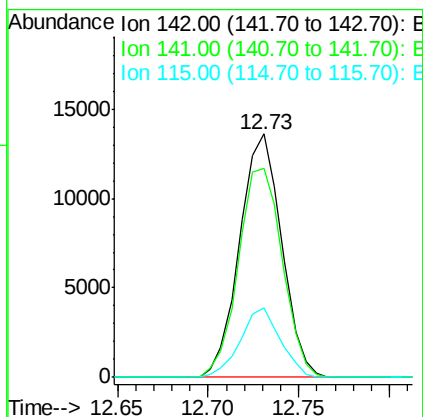
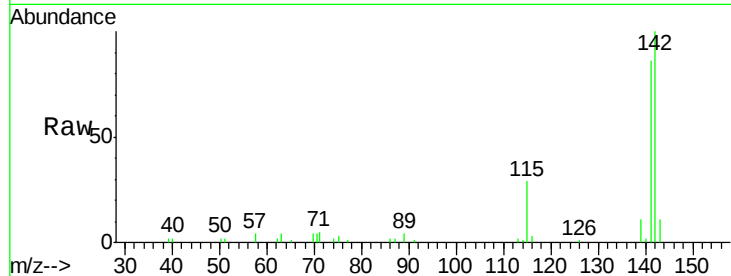




#37
 2-Methylnaphthalene
 Concen: 5.81 ng
 RT: 12.73 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

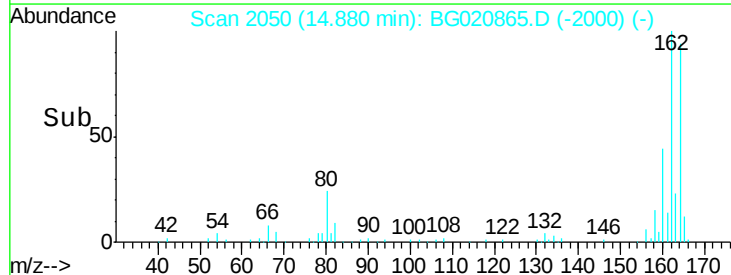
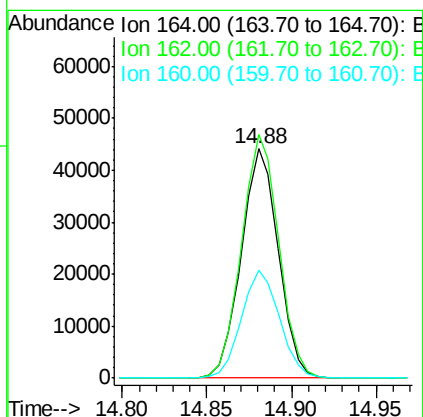
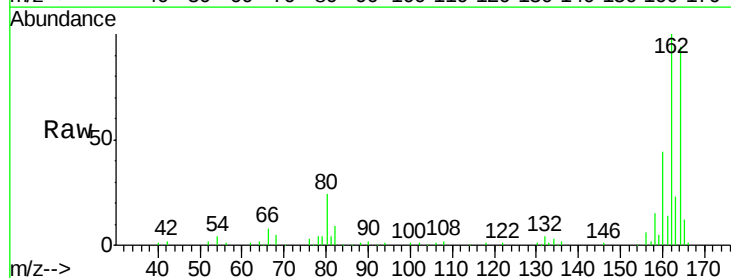
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

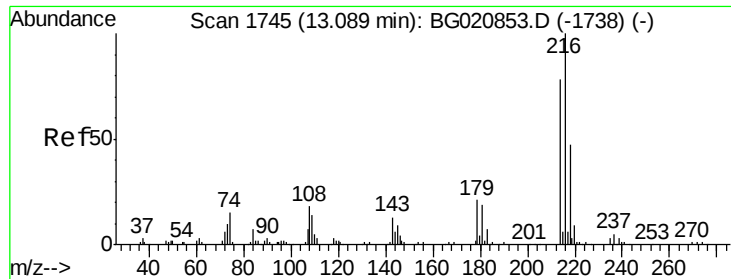
Tgt Ion:142 Resp: 21882
 Ion Ratio Lower Upper
 142 100
 141 85.6 73.4 110.2
 115 28.5 23.0 34.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.88 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Tgt Ion:164 Resp: 67115
 Ion Ratio Lower Upper
 164 100
 162 106.2 85.7 128.5
 160 47.0 37.4 56.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 4.53 ng

RT: 13.09 min Scan# 1745

Delta R.T. -0.00 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:216 Resp: 8921

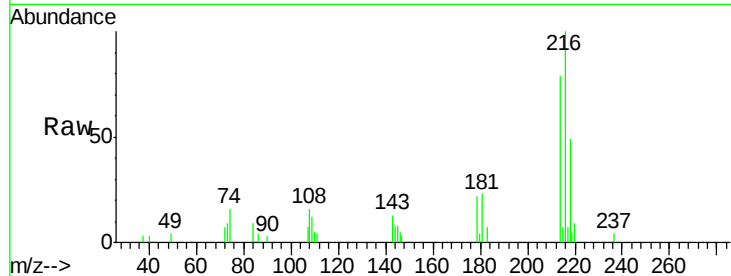
Ion Ratio Lower Upper

216 100

214 81.9 61.9 92.9

179 20.8 16.5 24.7

108 17.7 15.1 22.7

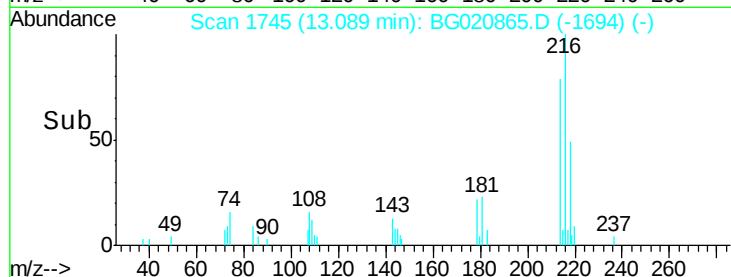


Abundance Ion 216.00 (215.70 to 216.70): E

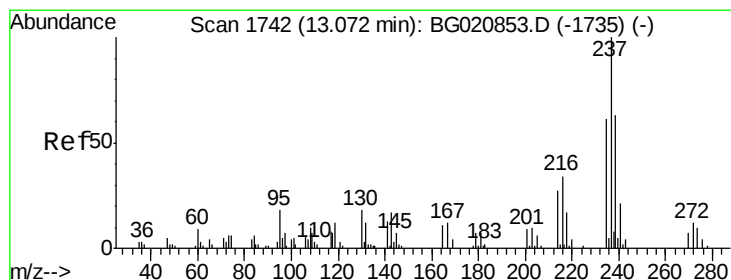
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 3.26 ng

RT: 13.07 min Scan# 1741

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

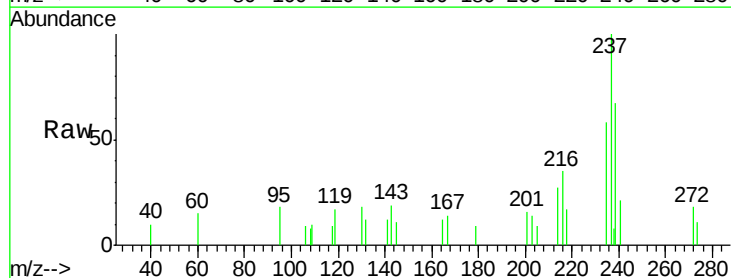
Tgt Ion:237 Resp: 2820

Ion Ratio Lower Upper

237 100

235 58.3 40.8 80.8

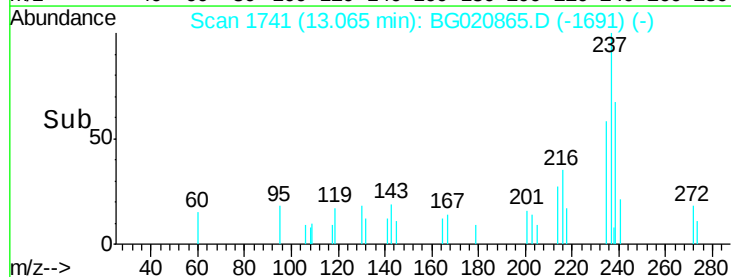
272 18.2 0.0 32.3



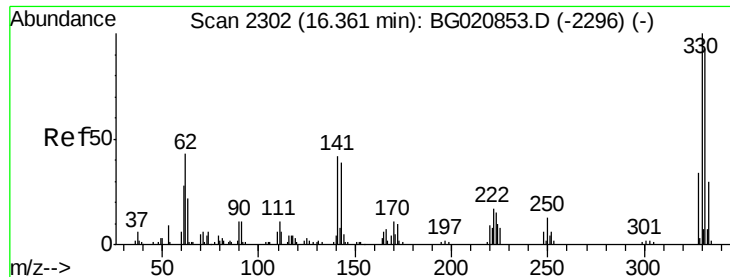
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->



#41

2,4,6-Tribromophenol

Concen: 114.94 ng

RT: 16.36 min Scan# 2302

Delta R.T. -0.00 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

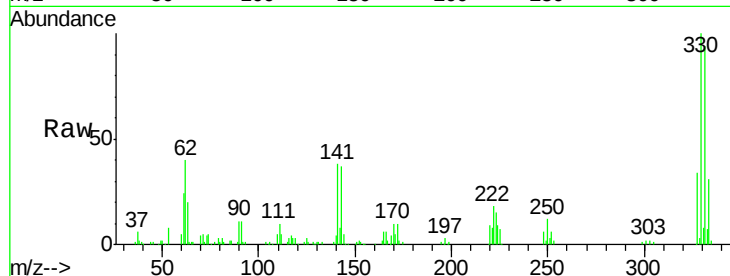
Tgt Ion:330 Resp: 75864

Ion Ratio Lower Upper

330 100

332 96.4 76.1 114.1

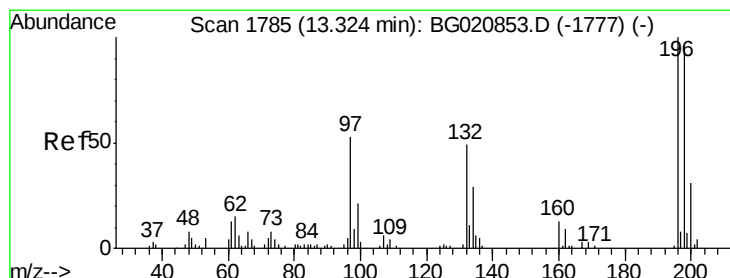
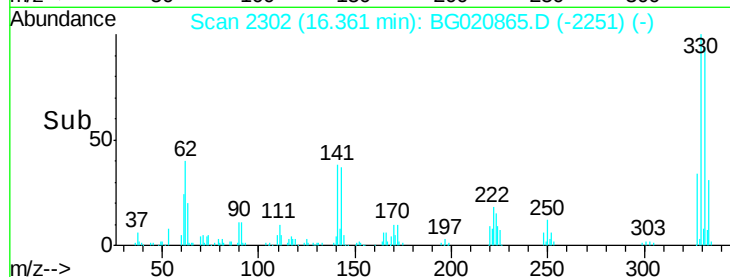
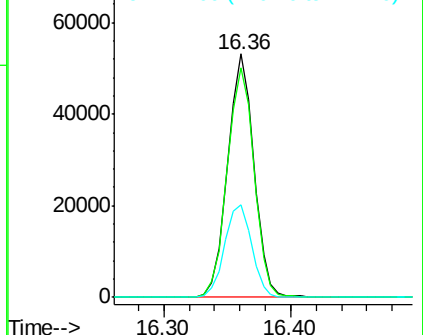
141 39.2 32.0 48.0



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 5.00 ng

RT: 13.32 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

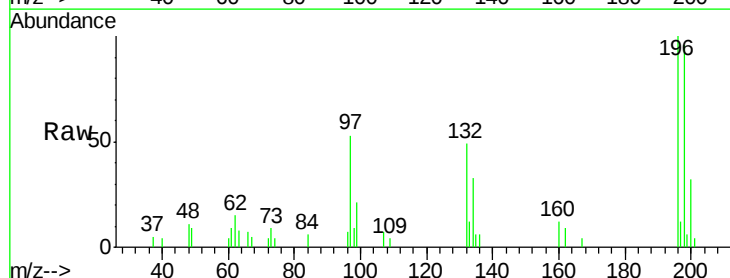
Tgt Ion:196 Resp: 6607

Ion Ratio Lower Upper

196 100

198 95.7 77.1 115.7

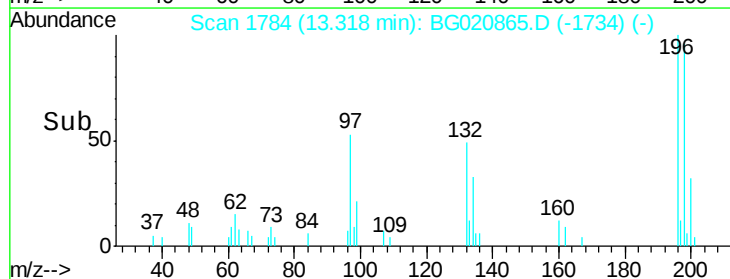
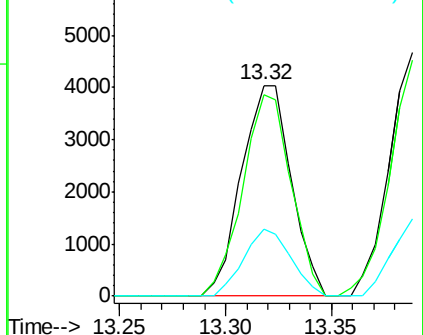
200 31.7 24.7 37.1



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

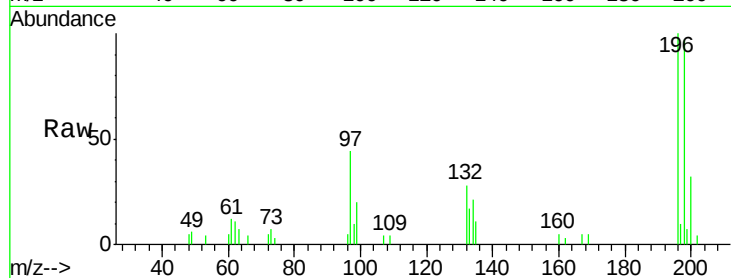




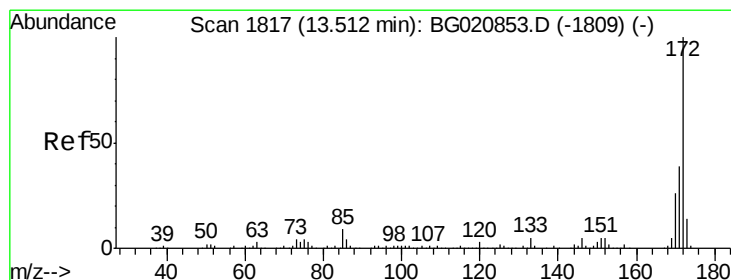
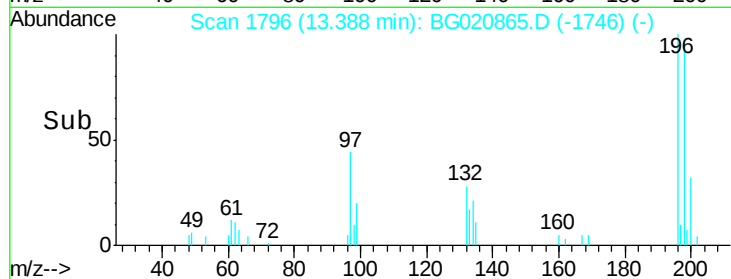
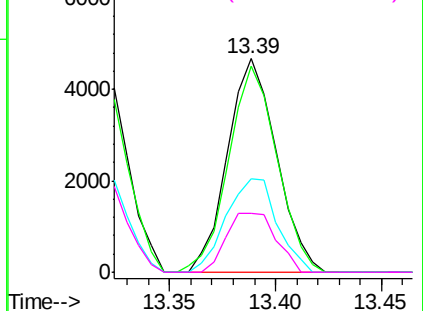
#43
 2,4,5-Trichlorophenol
 Concen: 5.39 ng
 RT: 13.39 min Scan# 1796
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:196 Resp: 7500
 Ion Ratio Lower Upper
 196 100
 198 96.7 76.4 114.6
 97 43.9 37.4 56.0
 132 27.8 24.7 37.1

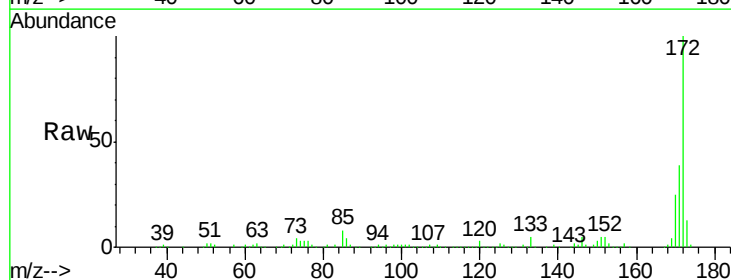


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

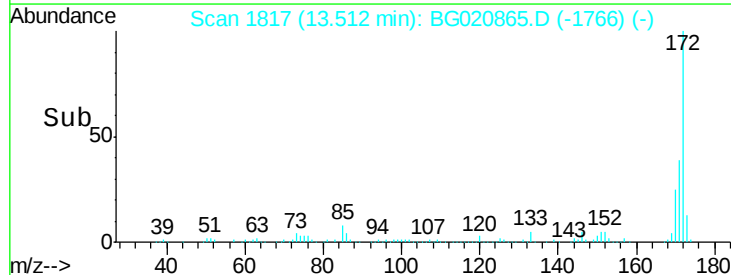
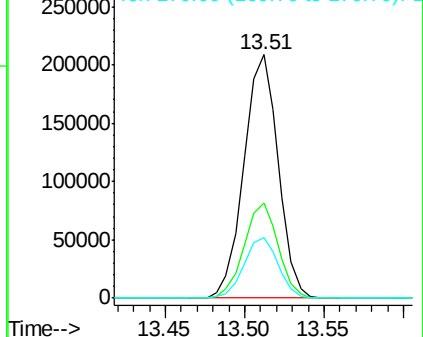


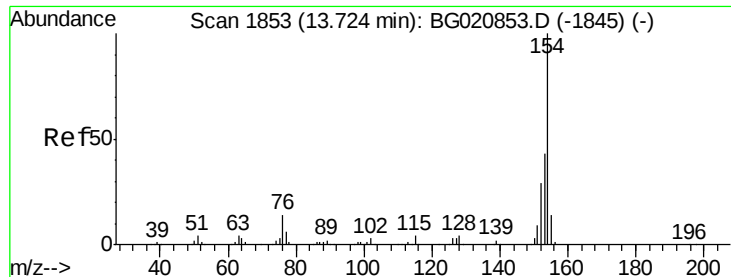
#44
 2-Fluorobiphenyl
 Concen: 65.56 ng
 RT: 13.51 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Tgt Ion:172 Resp: 313226
 Ion Ratio Lower Upper
 172 100
 171 38.8 31.2 46.8
 170 25.1 20.6 30.8



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

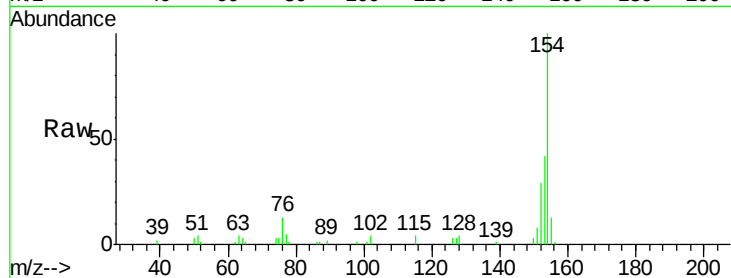




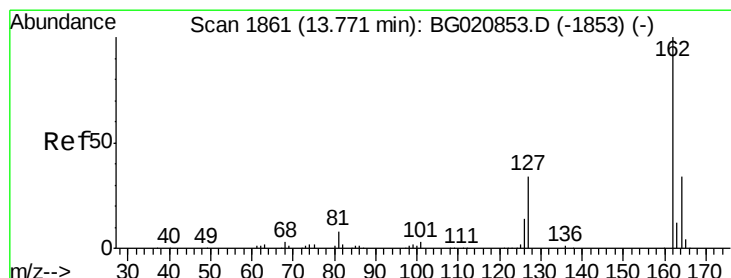
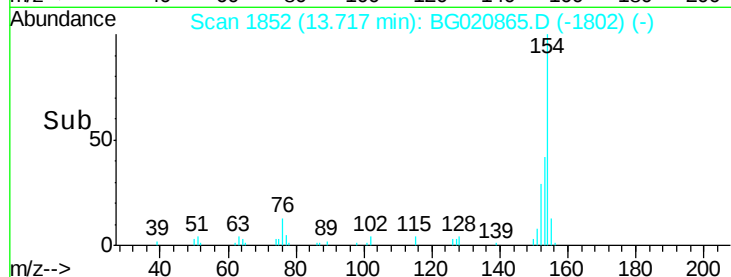
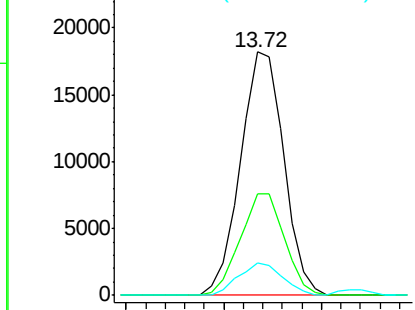
#45
1,1'-Biphenyl
Concen: 4.73 ng
RT: 13.72 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:154 Resp: 27993
Ion Ratio Lower Upper
154 100
153 41.5 22.5 62.5
76 13.4 0.0 33.8

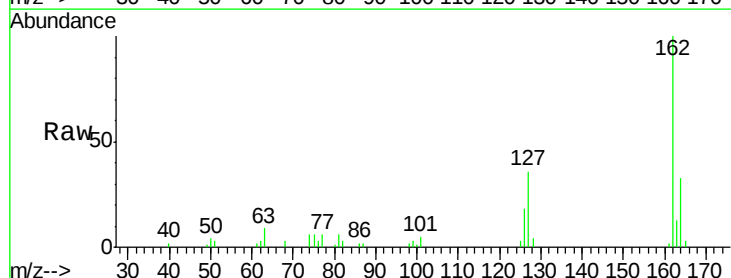


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): B

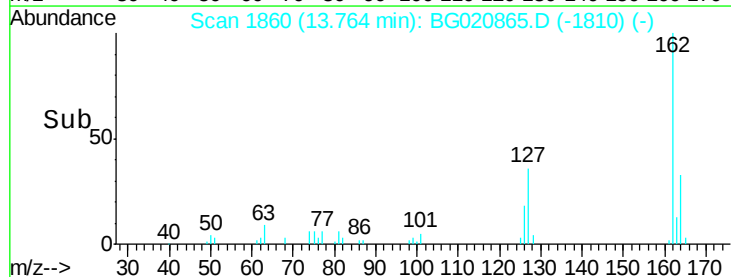
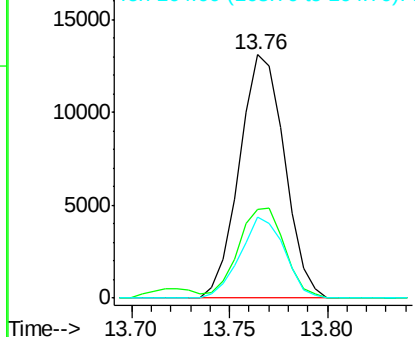


#46
2-Chloronaphthalene
Concen: 4.94 ng
RT: 13.76 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Tgt Ion:162 Resp: 20946
Ion Ratio Lower Upper
162 100
127 36.3 30.6 45.8
164 33.3 26.8 40.2



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

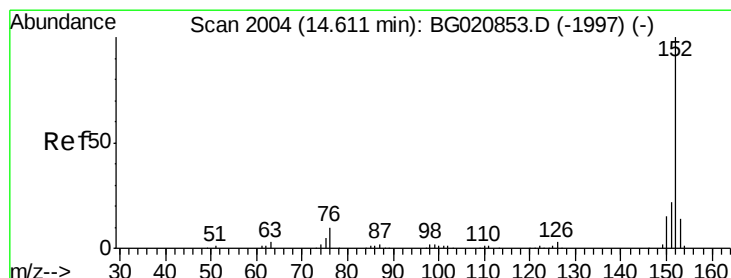
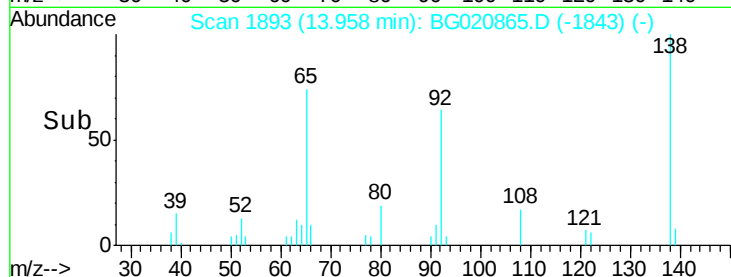
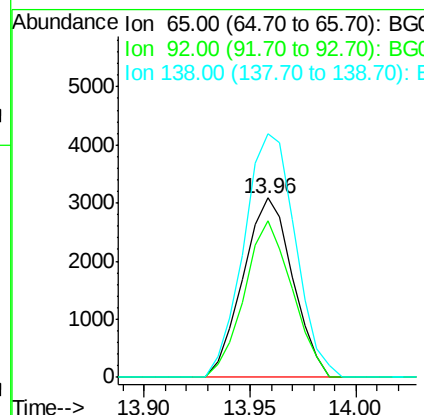
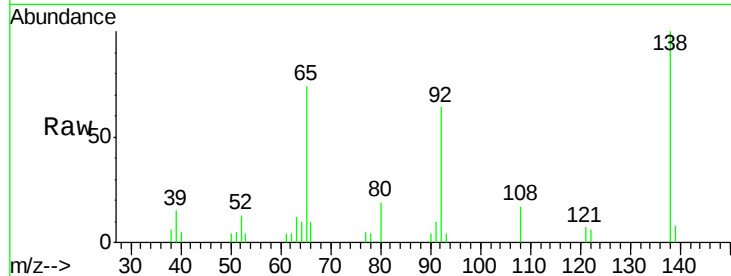




#47
2-Nitroaniline
Concen: 4.94 ng
RT: 13.96 min Scan# 1893
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

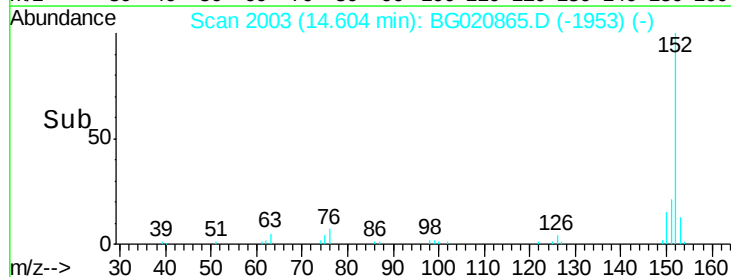
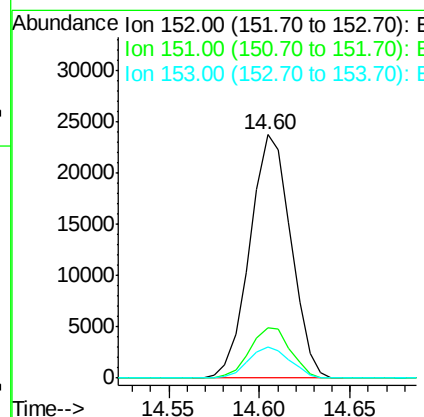
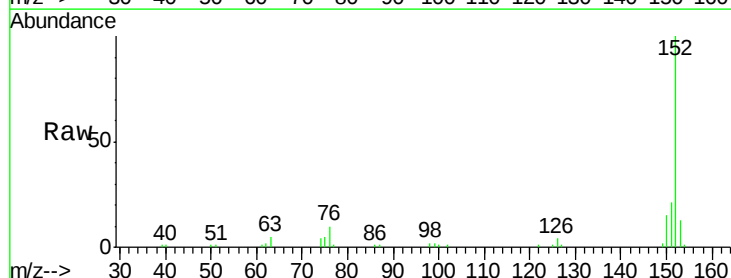
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

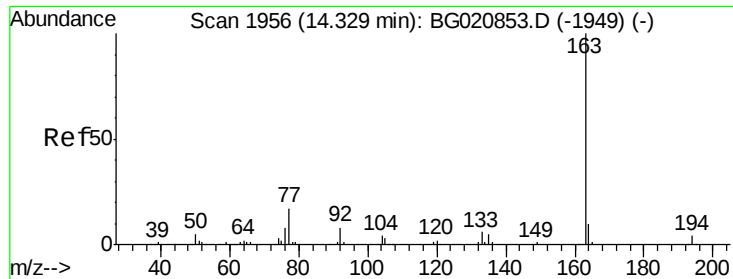
Tgt Ion: 65 Resp: 5015
Ion Ratio Lower Upper
65 100
92 87.3 65.8 98.8
138 136.0 117.1 175.7



#48
Acenaphthylene
Concen: 5.07 ng
RT: 14.60 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Tgt Ion: 152 Resp: 37388
Ion Ratio Lower Upper
152 100
151 20.8 17.5 26.3
153 12.8 10.9 16.3





#49

Dimethylphthalate

Concen: 5.21 ng

RT: 14.32 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

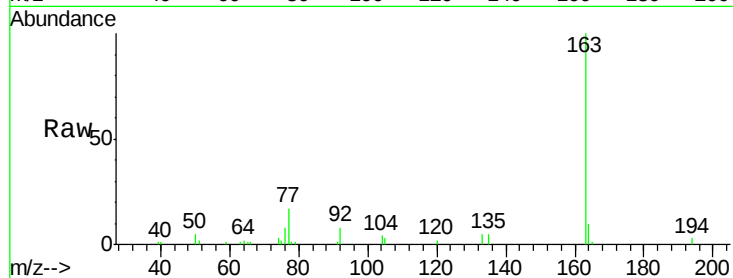
Tgt Ion:163 Resp: 27344

Ion Ratio Lower Upper

163 100

194 3.5 3.1 4.7

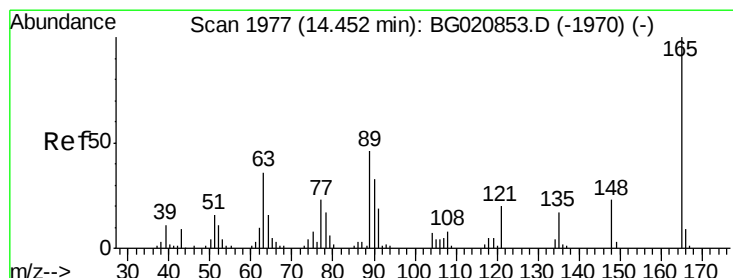
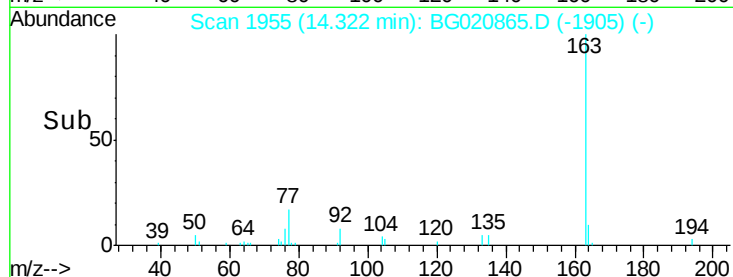
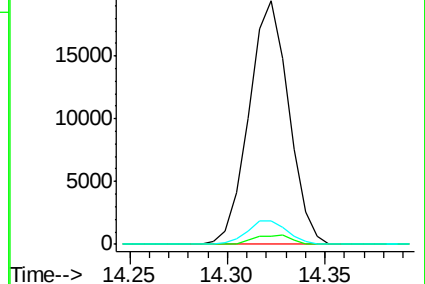
164 9.7 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 4.87 ng

RT: 14.44 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

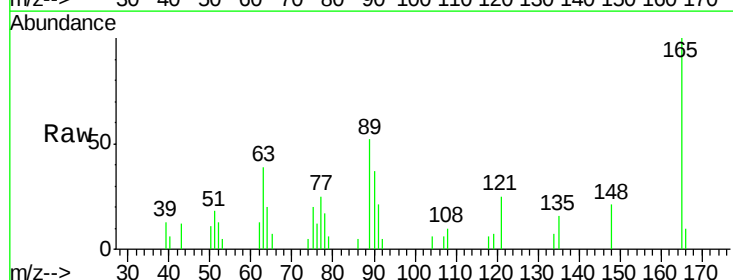
Tgt Ion:165 Resp: 5473

Ion Ratio Lower Upper

165 100

63 39.1 30.3 45.5

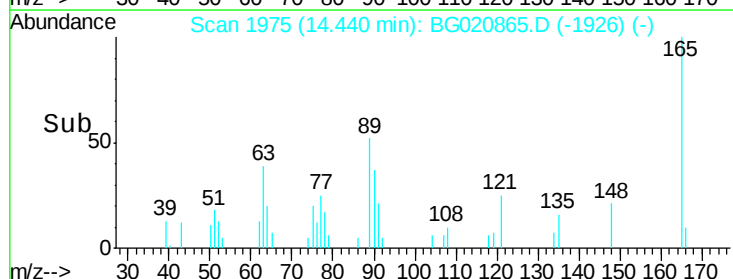
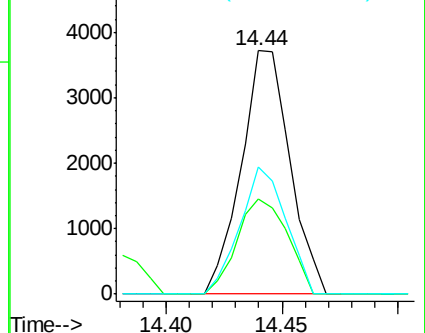
89 52.2 36.9 55.3

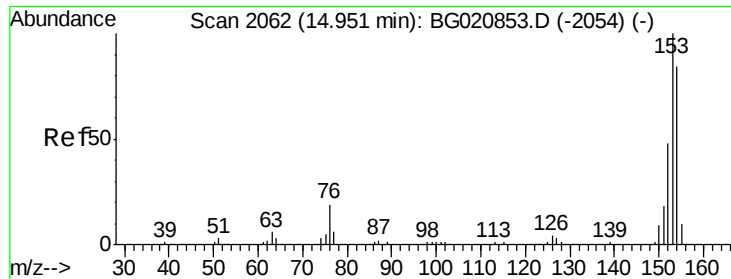


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

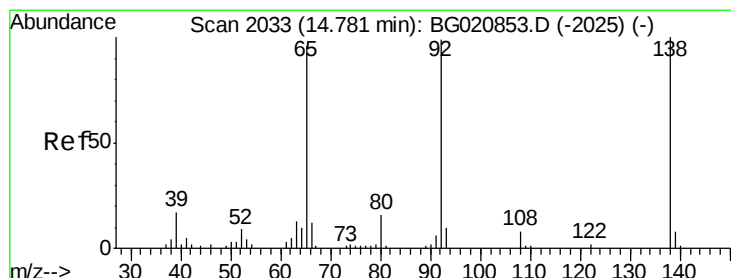
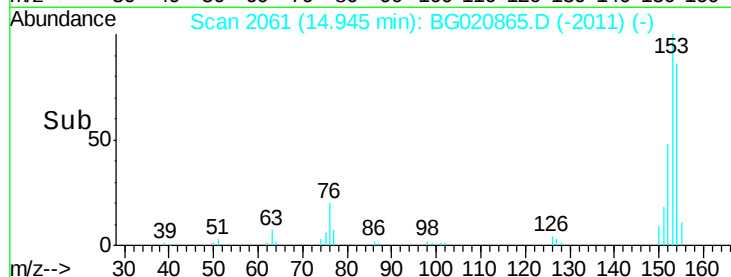
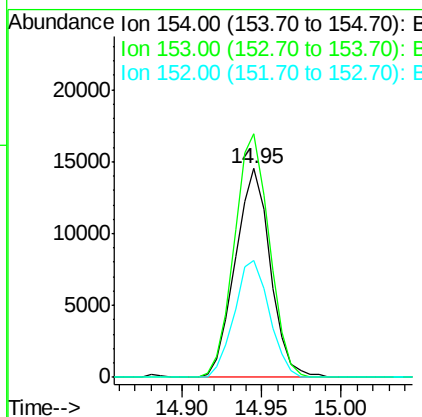
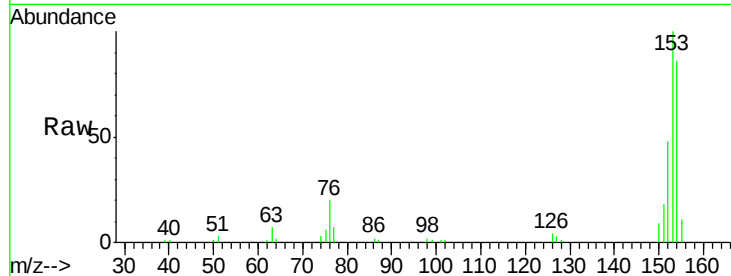




#51
Acenaphthene
Concen: 4.98 ng
RT: 14.95 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

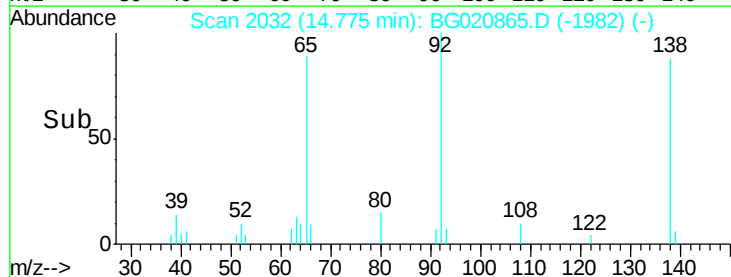
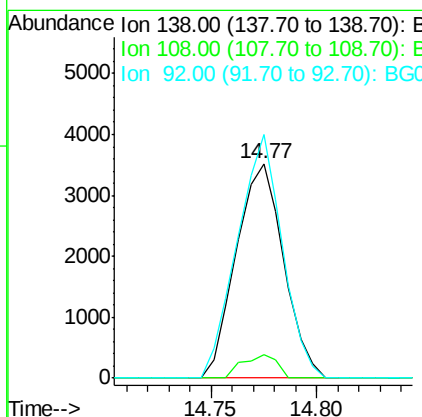
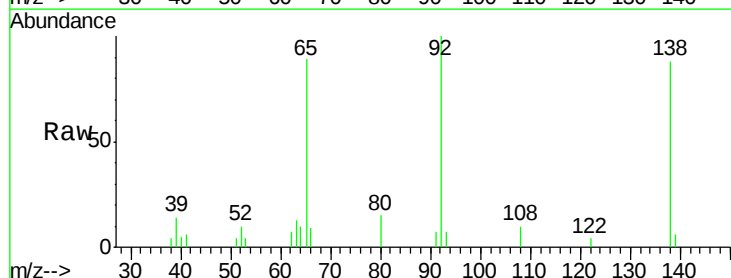
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

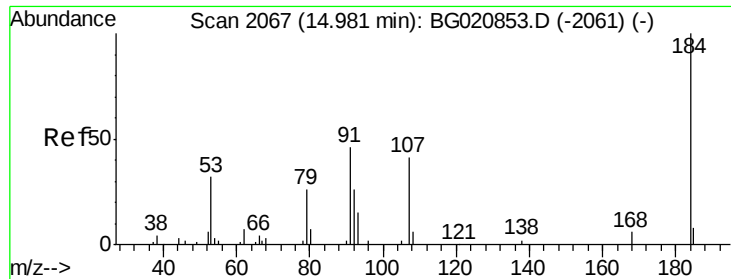
Tgt Ion:154 Resp: 22259
Ion Ratio Lower Upper
154 100
153 116.7 95.4 143.0
152 56.2 46.1 69.1



#52
3-Nitroaniline
Concen: 4.20 ng
RT: 14.77 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Tgt Ion:138 Resp: 5487
Ion Ratio Lower Upper
138 100
108 11.0 6.2 9.2#
92 113.5 79.5 119.3

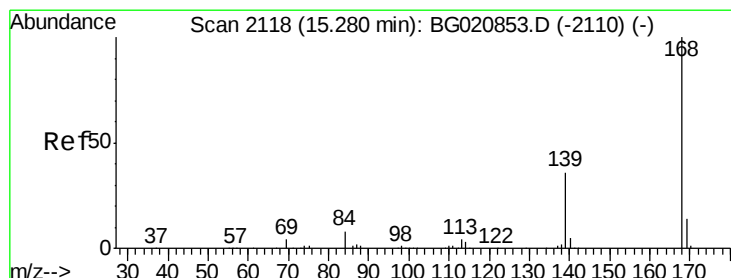
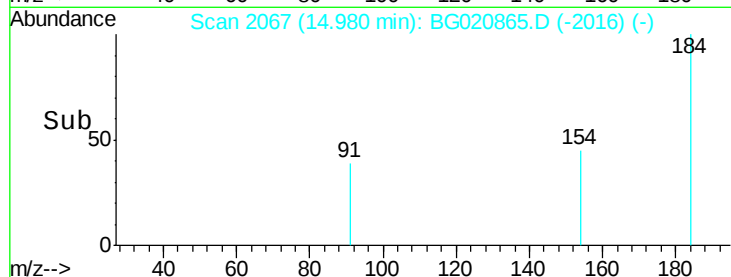
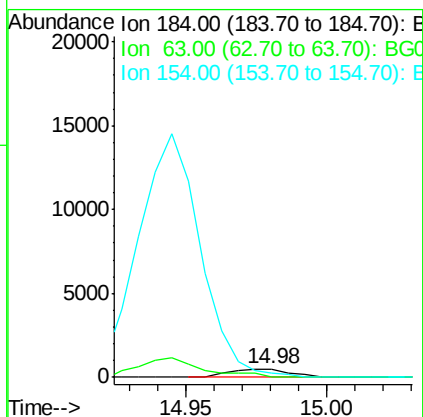
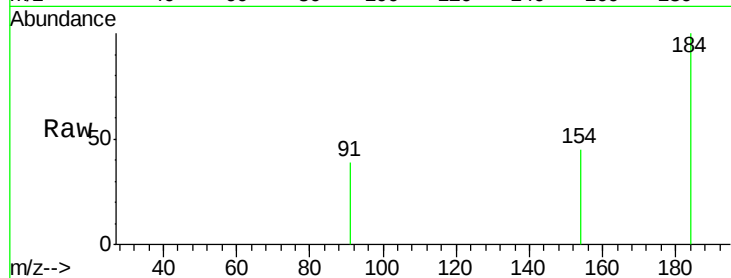




#53
 2,4-Dinitrophenol
 Concen: 9.82 ng
 RT: 14.98 min Scan# 2067
 Delta R.T. 0.00 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

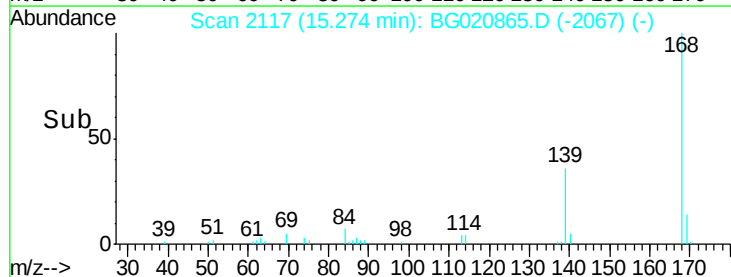
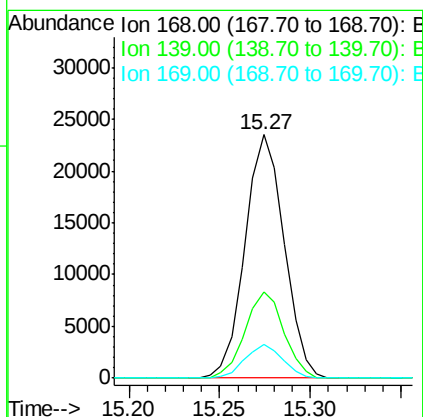
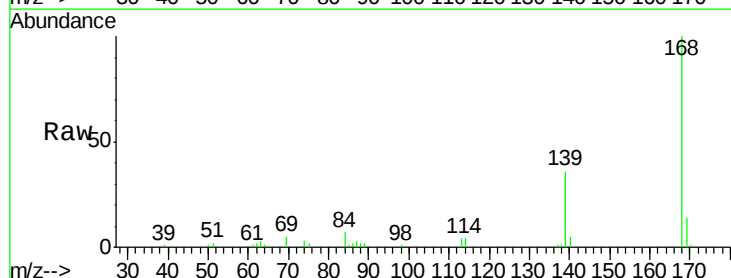
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

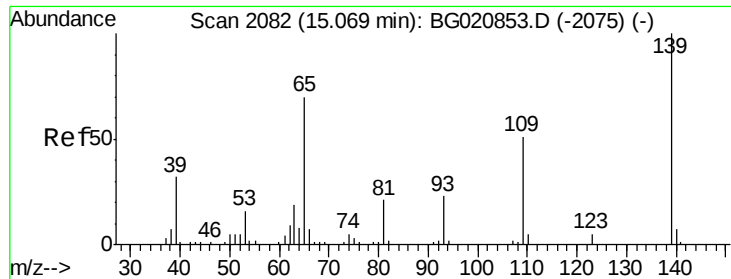
Tgt Ion:184 Resp: 746
 Ion Ratio Lower Upper
 184 100
 63 0.0 39.8 59.6#
 154 44.8 48.1 72.1#



#54
 Dibenzofuran
 Concen: 5.96 ng
 RT: 15.27 min Scan# 2117
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Tgt Ion:168 Resp: 35229
 Ion Ratio Lower Upper
 168 100
 139 35.5 28.5 42.7
 169 14.0 11.0 16.4

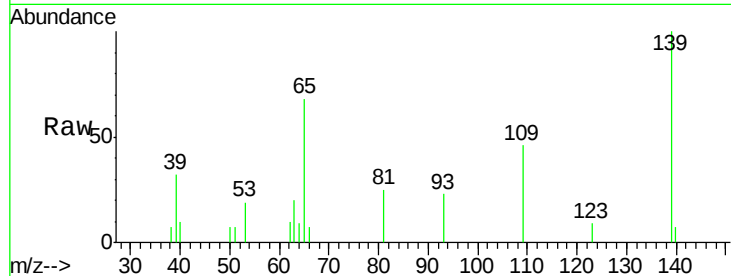




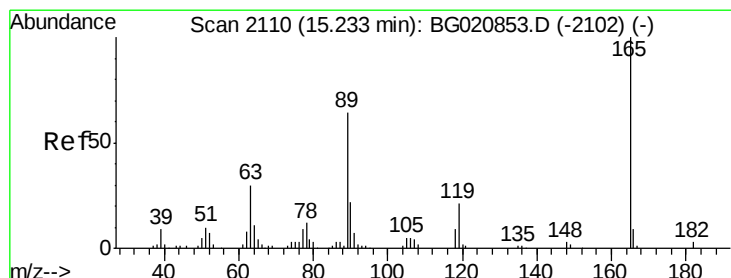
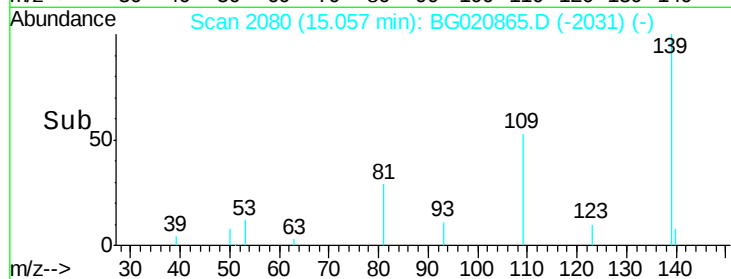
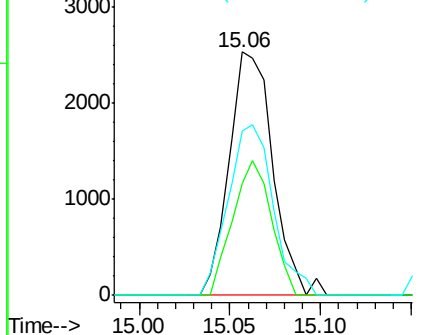
#55
4-Nitrophenol
Concen: 4.30 ng
RT: 15.06 min Scan# 2080
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:139 Resp: 4242
Ion Ratio Lower Upper
139 100
109 45.7 31.0 71.0
65 67.6 49.6 89.6

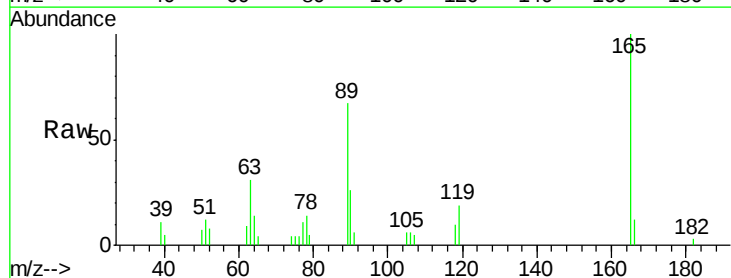


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

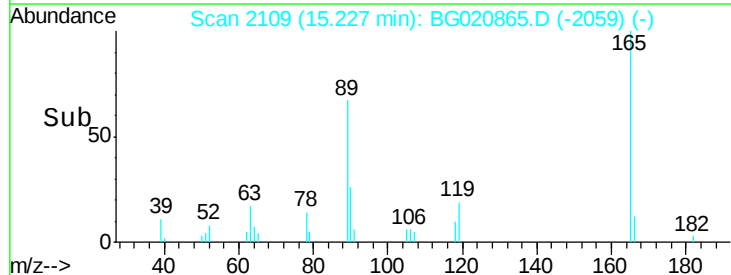
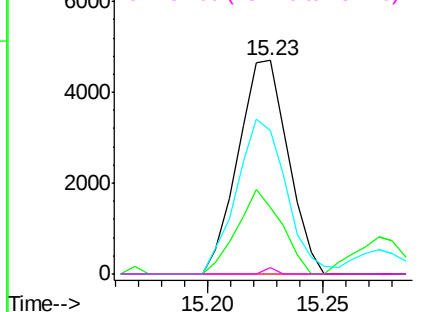


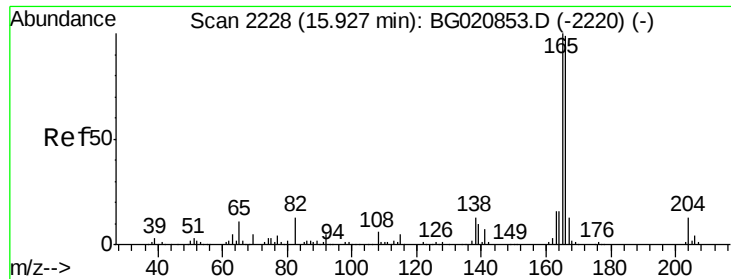
#56
2,4-Dinitrotoluene
Concen: 4.87 ng
RT: 15.23 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Tgt Ion:165 Resp: 7084
Ion Ratio Lower Upper
165 100
63 31.0 23.7 35.5
89 67.3 50.9 76.3
182 3.2 2.2 3.2



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

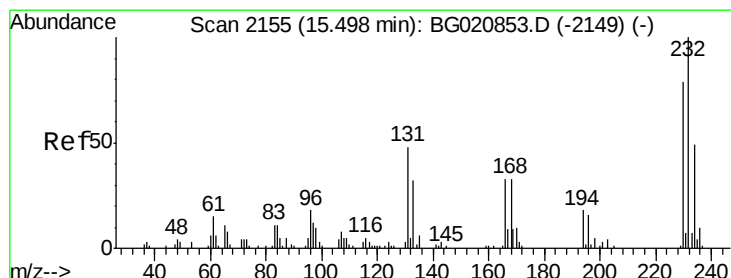
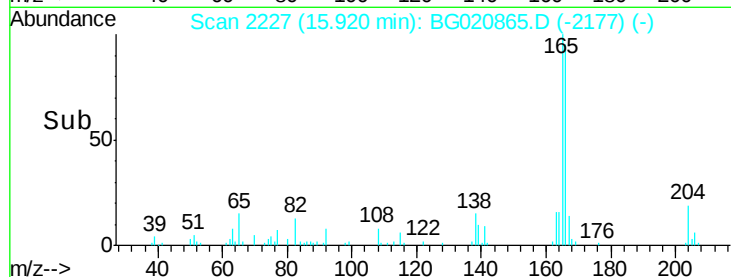
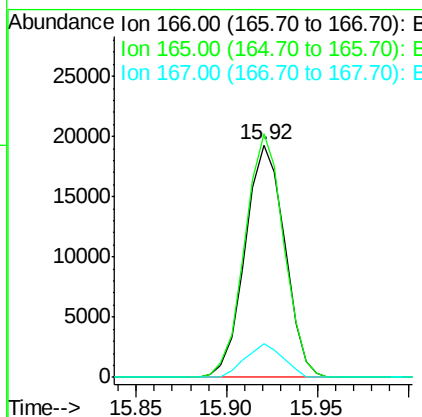
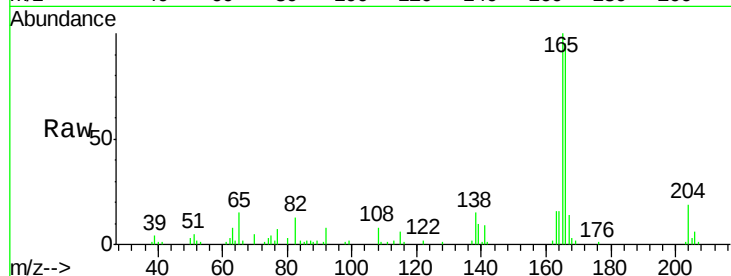




#57
 Fluorene
 Concen: 5.39 ng
 RT: 15.92 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

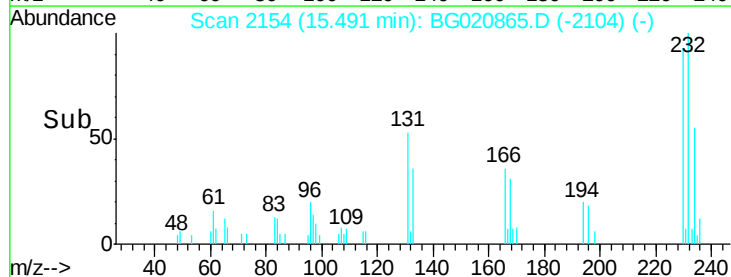
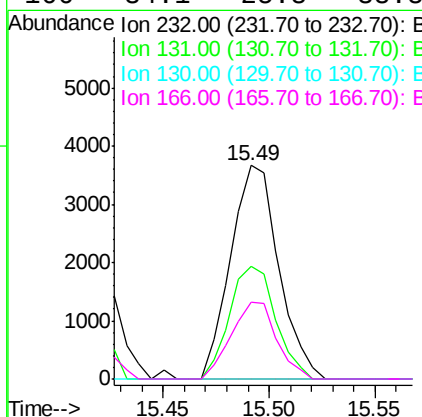
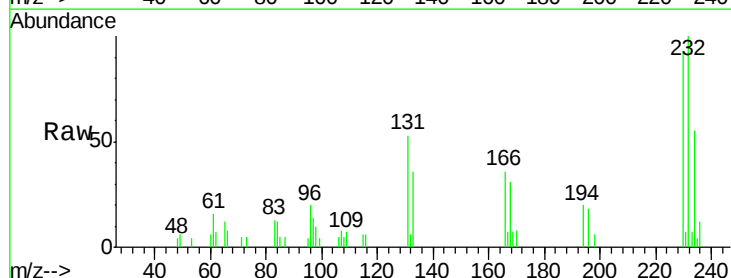
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

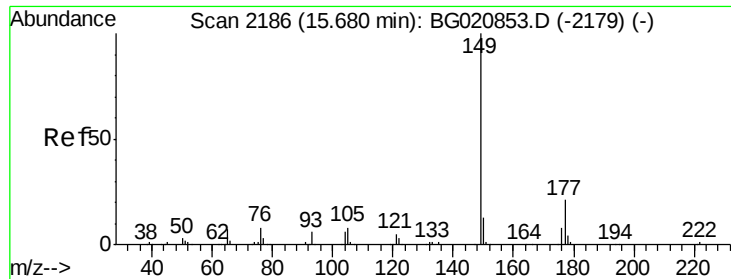
Tgt Ion:166 Resp: 29317
 Ion Ratio Lower Upper
 166 100
 165 104.9 81.0 121.4
 167 14.4 10.8 16.2



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 5.47 ng
 RT: 15.49 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Tgt Ion:232 Resp: 5791
 Ion Ratio Lower Upper
 232 100
 131 50.6 39.2 58.8
 130 0.0 2.0 3.0#
 166 34.1 25.8 38.8

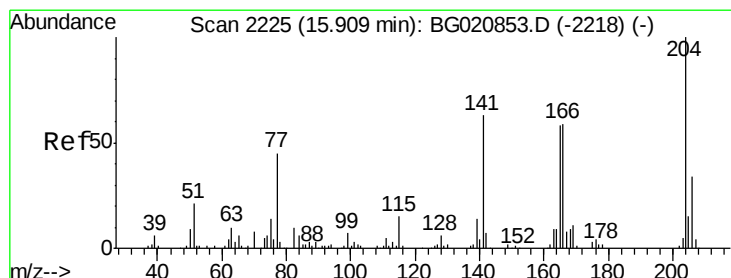
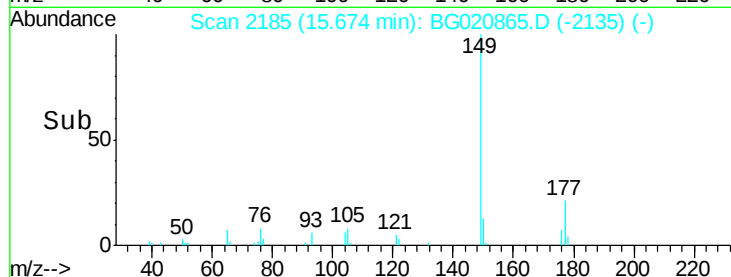
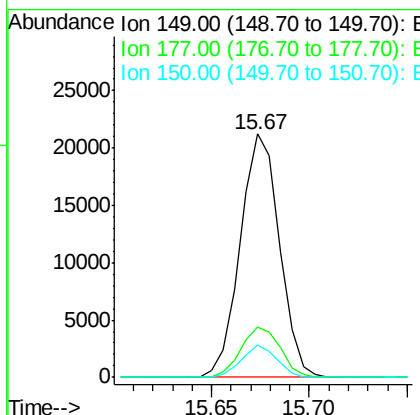
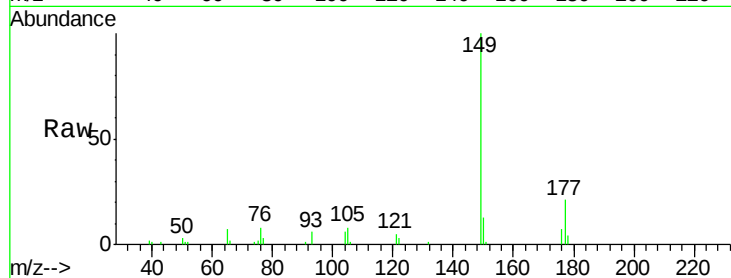




#59
Diethylphthalate
Concen: 5.46 ng
RT: 15.67 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

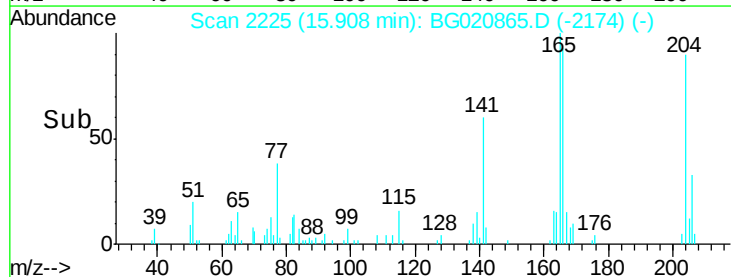
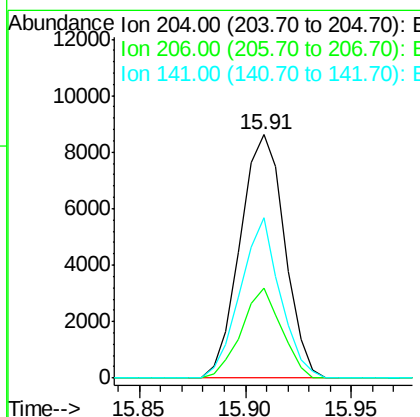
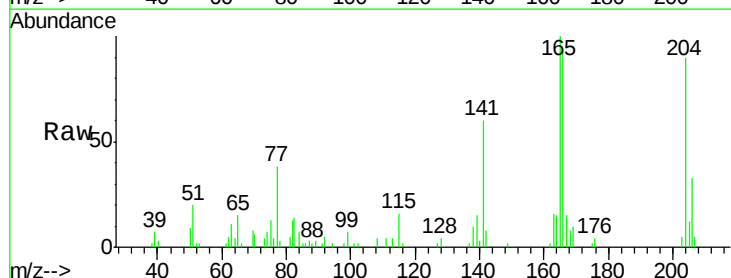
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

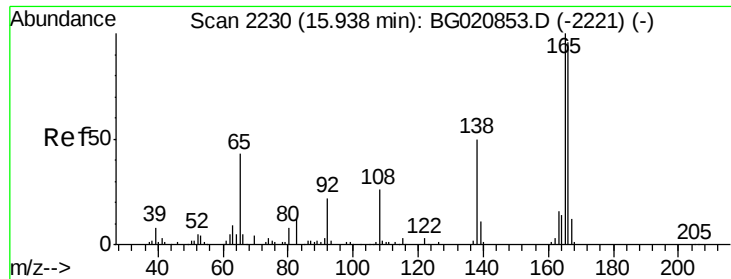
Tgt Ion:149 Resp: 29455
Ion Ratio Lower Upper
149 100
177 20.8 16.9 25.3
150 13.3 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 5.20 ng
RT: 15.91 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Tgt Ion:204 Resp: 12577
Ion Ratio Lower Upper
204 100
206 36.7 26.9 40.3
141 66.1 50.3 75.5

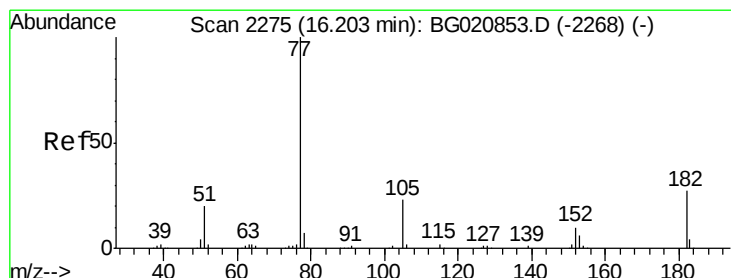
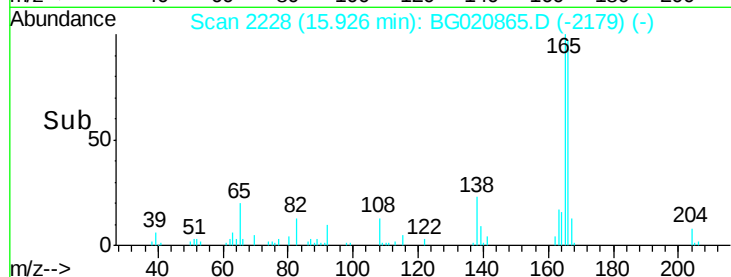
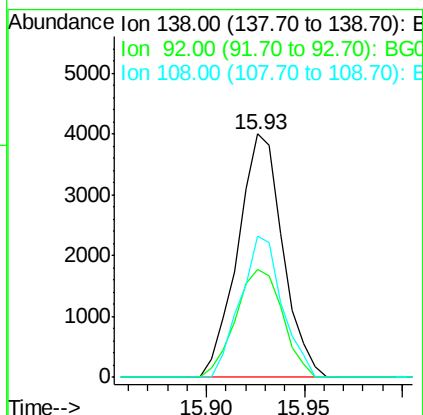
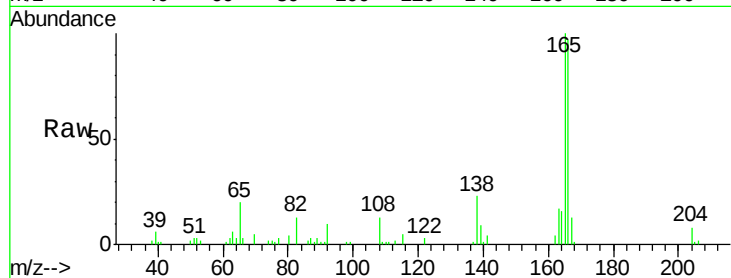




#61
4-Nitroaniline
Concen: 4.87 ng
RT: 15.93 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

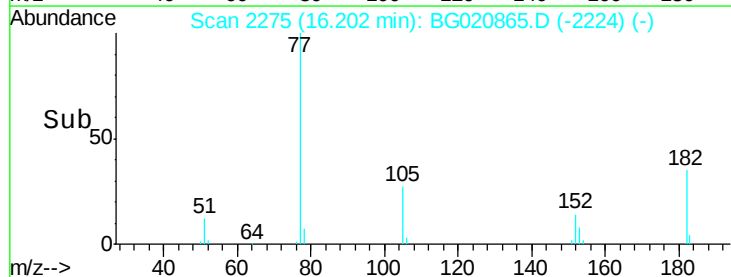
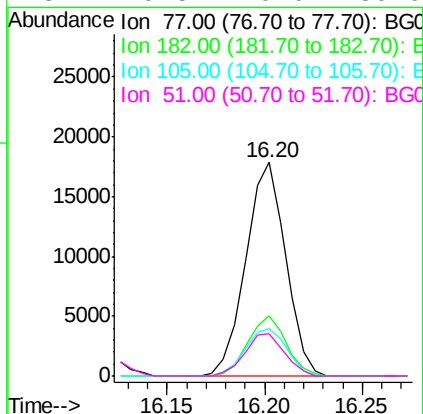
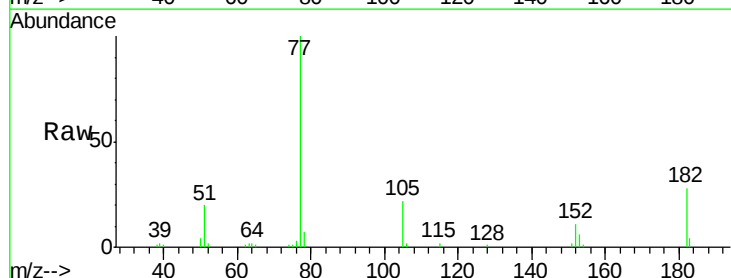
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

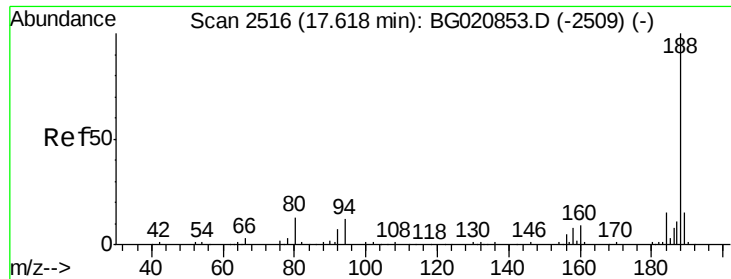
Tgt Ion: 138 Resp: 6385
Ion Ratio Lower Upper
138 100
92 44.5 24.1 64.1
108 58.0 32.4 72.4



#62
Azobenzene
Concen: 5.95 ng
RT: 16.20 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Tgt Ion: 77 Resp: 25230
Ion Ratio Lower Upper
77 100
182 27.9 6.8 46.8
105 22.0 3.4 43.4
51 19.5 0.0 39.9

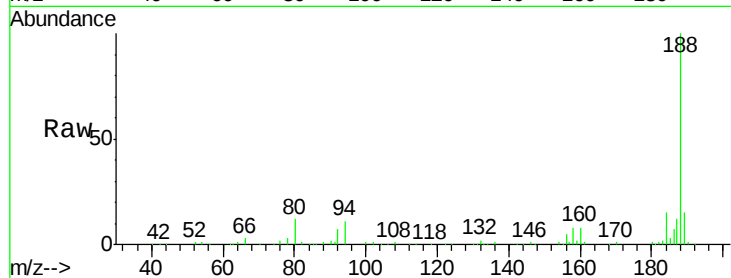




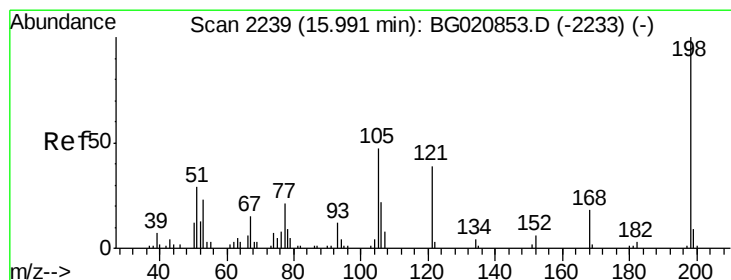
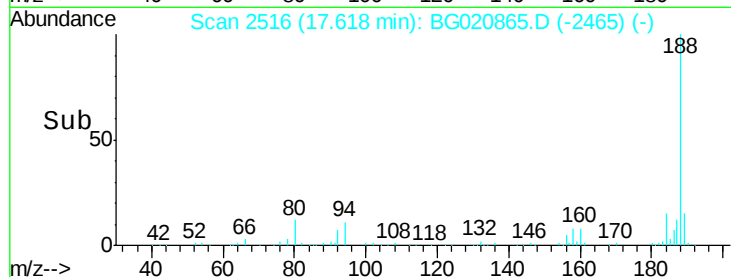
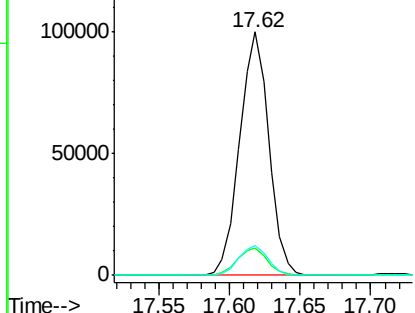
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.62 min Scan# 2516
Delta R.T. -0.00 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:188 Resp: 143632
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.0
80 12.0 10.2 15.4

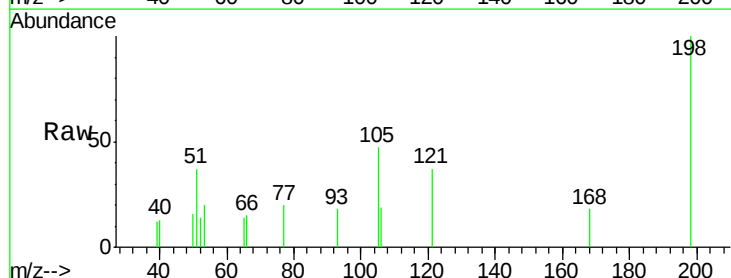


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

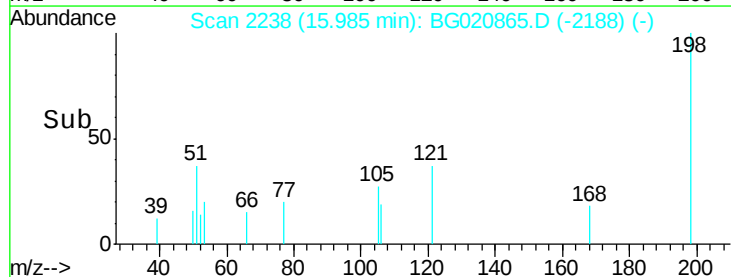
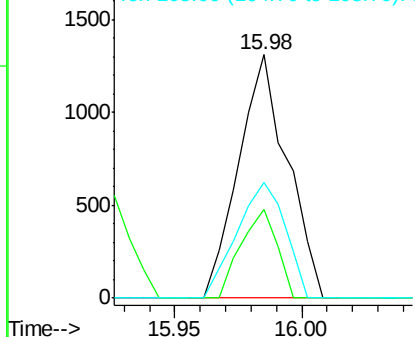


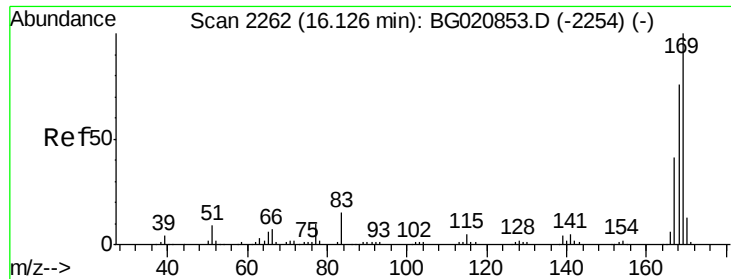
#64
4,6-Dinitro-2-methylphenol
Concen: 7.64 ng
RT: 15.98 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Tgt Ion:198 Resp: 1752
Ion Ratio Lower Upper
198 100
51 36.6 10.6 50.6
105 47.3 27.0 67.0



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

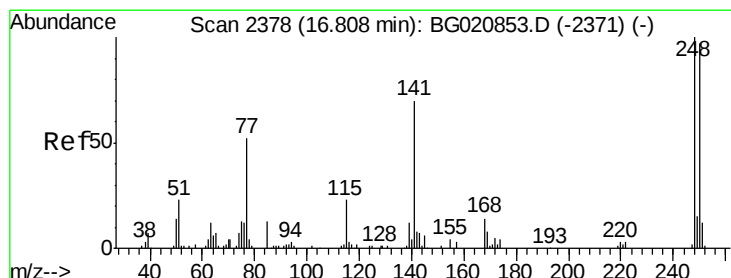
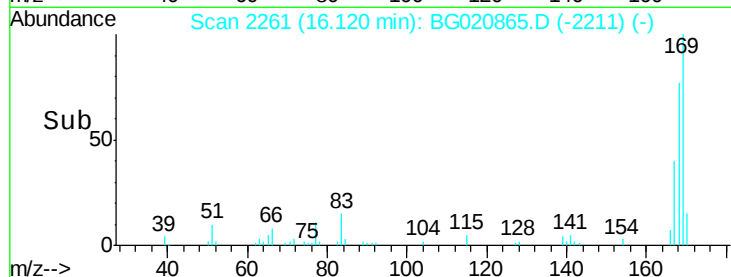
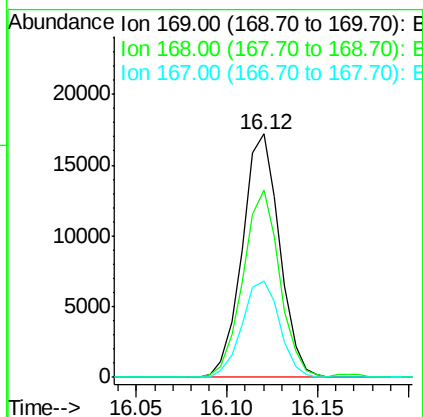
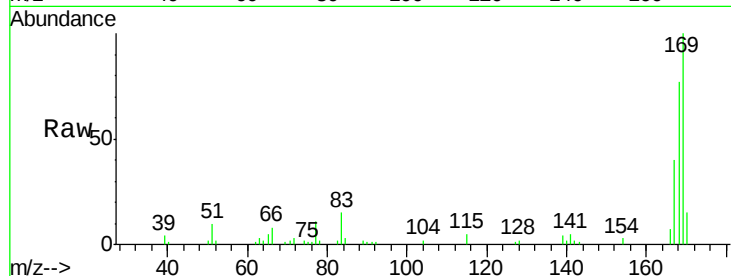




#65
 n-Nitrosodiphenylamine
 Concen: 5.27 ng
 RT: 16.12 min Scan# 2261
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

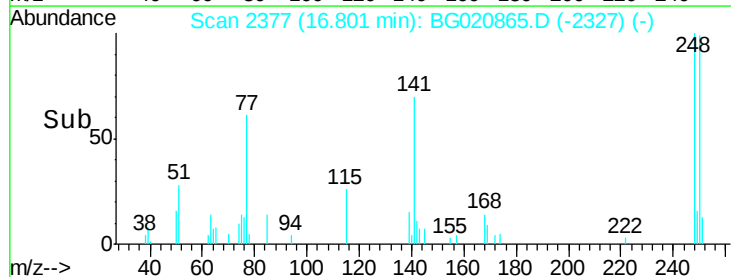
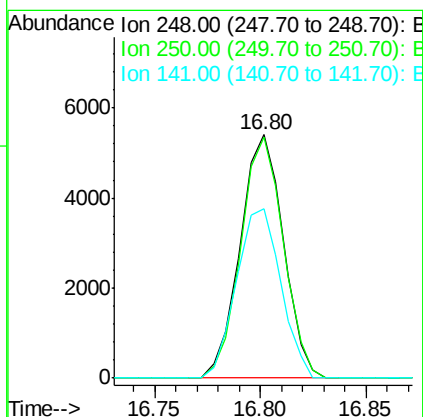
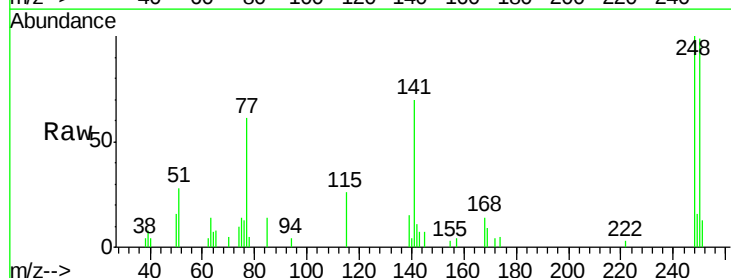
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

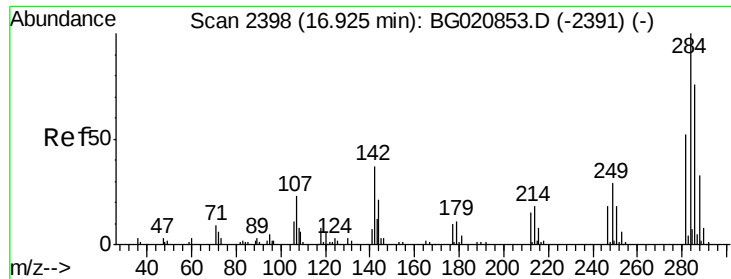
Tgt Ion:169 Resp: 24476
 Ion Ratio Lower Upper
 169 100
 168 76.9 60.7 91.1
 167 39.8 32.8 49.2



#66
 4-Bromophenyl-phenylether
 Concen: 5.05 ng
 RT: 16.80 min Scan# 2377
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Tgt Ion:248 Resp: 7667
 Ion Ratio Lower Upper
 248 100
 250 99.2 77.4 116.2
 141 69.7 55.7 83.5





#67

Hexachlorobenzene

Concen: 5.18 ng

RT: 16.92 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

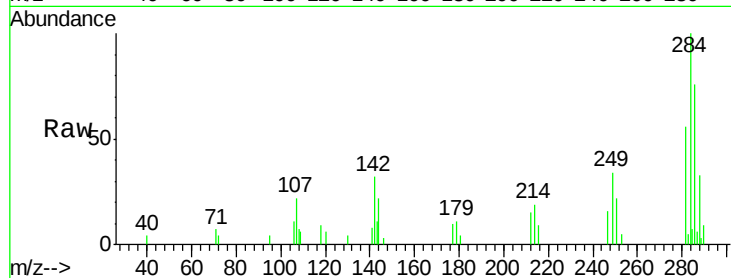
Tgt Ion:284 Resp: 8365

Ion Ratio Lower Upper

284 100

142 32.3 29.9 44.9

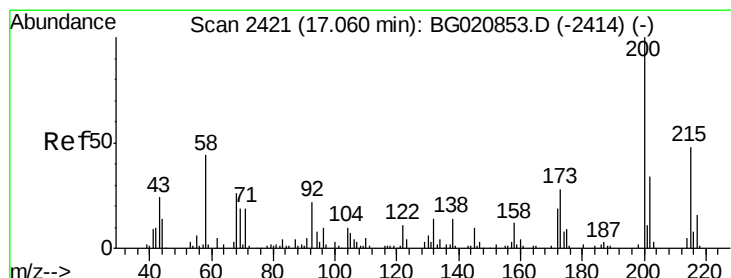
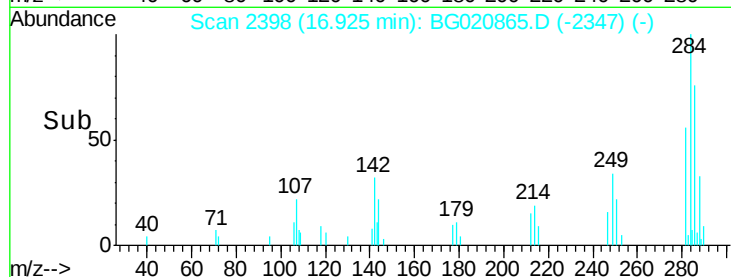
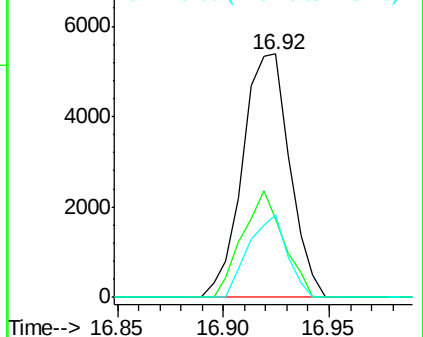
249 33.6 23.3 34.9



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: 5.45 ng

RT: 17.05 min Scan# 2420

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

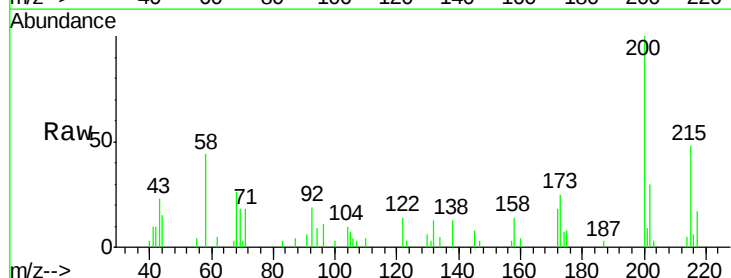
Tgt Ion:200 Resp: 7681

Ion Ratio Lower Upper

200 100

173 25.4 8.4 48.4

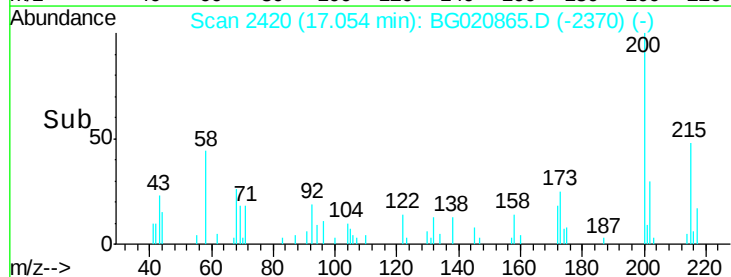
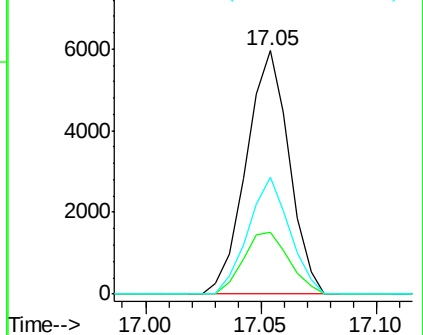
215 47.9 28.2 68.2

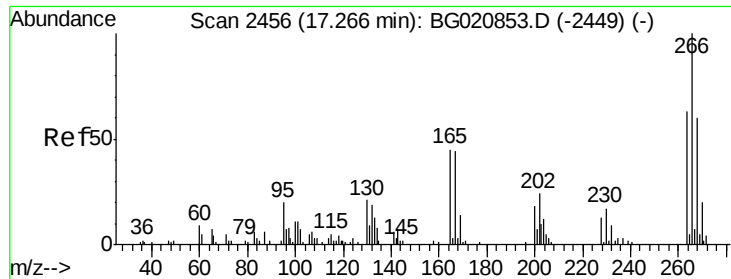


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 3.48 ng

RT: 17.26 min Scan# 2455

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

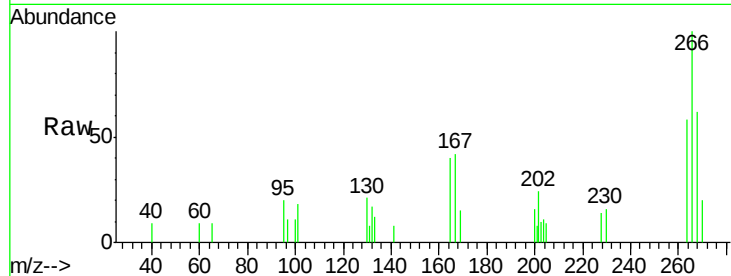
Tgt Ion:266 Resp: 3223

Ion Ratio Lower Upper

266 100

268 62.0 47.8 71.6

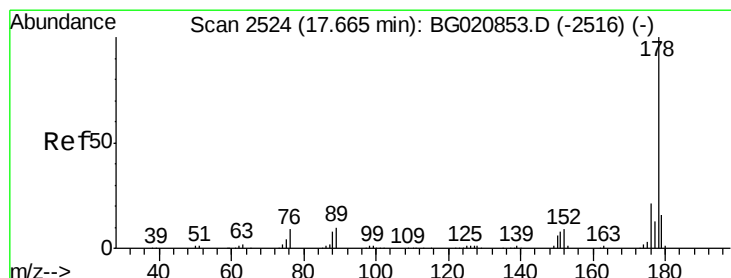
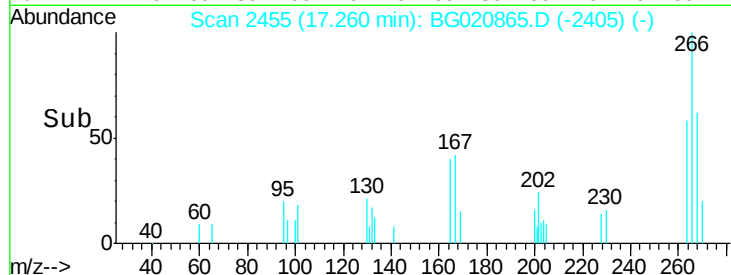
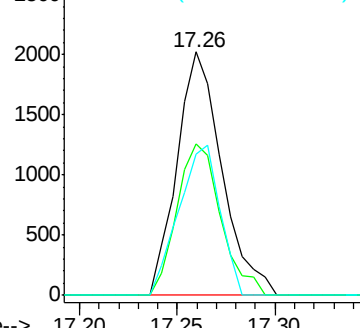
264 57.8 50.2 75.4



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: 5.40 ng

RT: 17.66 min Scan# 2523

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

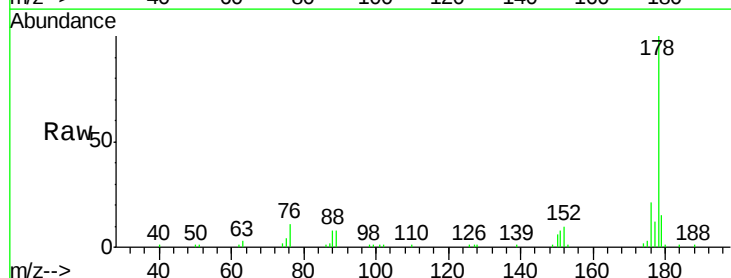
Tgt Ion:178 Resp: 44185

Ion Ratio Lower Upper

178 100

176 20.6 16.8 25.2

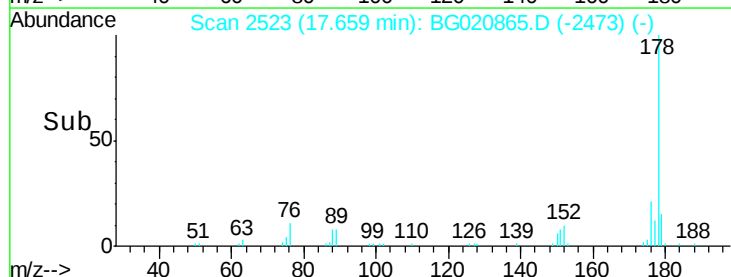
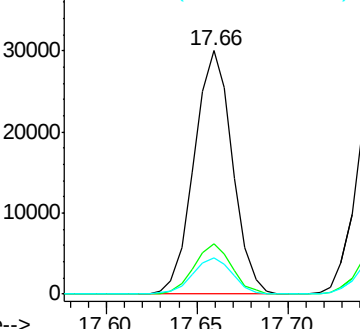
179 14.9 12.6 19.0

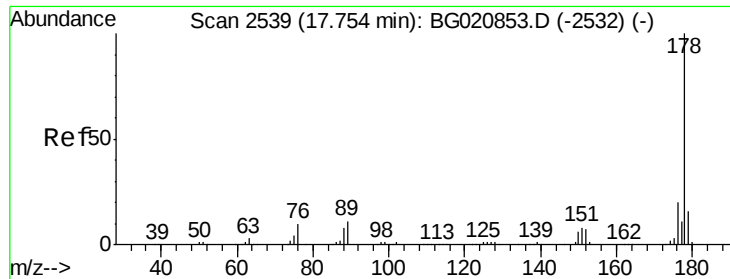


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

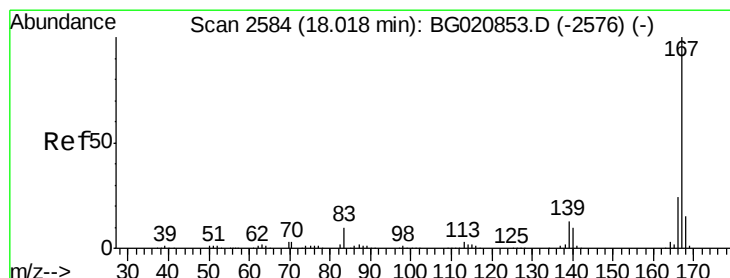
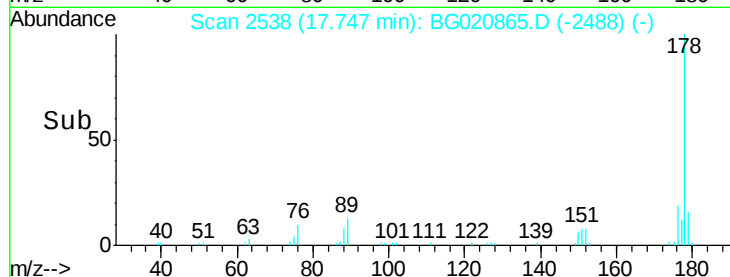
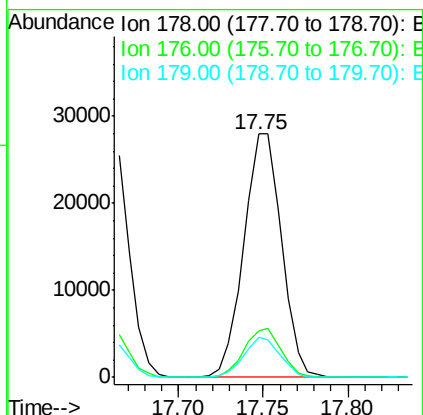
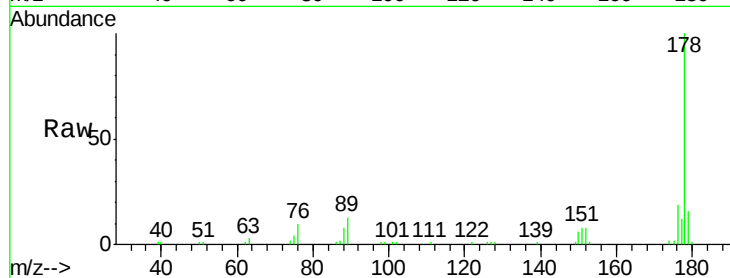




#71
 Anthracene
 Concen: 5.24 ng
 RT: 17.75 min Scan# 2538
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

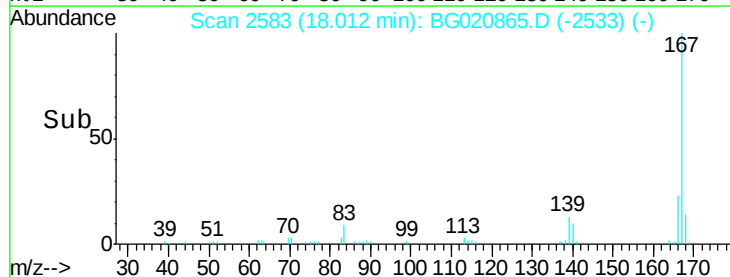
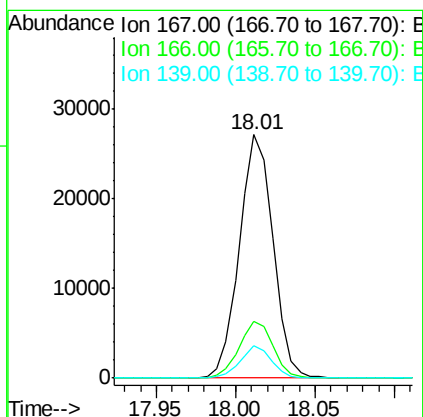
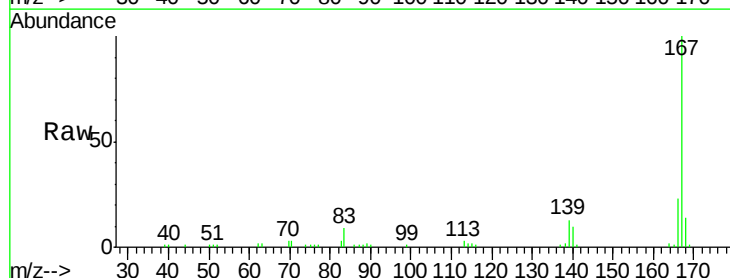
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

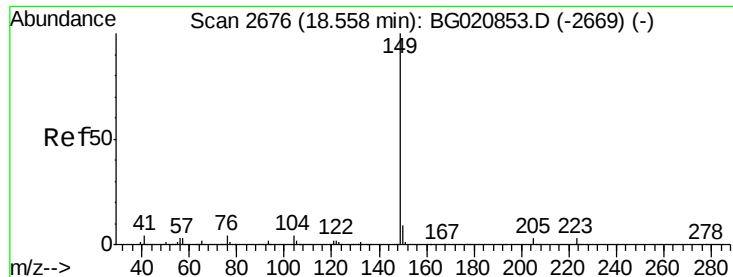
Tgt Ion:178 Resp: 43475
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 16.3 12.7 19.1



#72
 Carbazole
 Concen: 5.37 ng
 RT: 18.01 min Scan# 2583
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Tgt Ion:167 Resp: 40022
 Ion Ratio Lower Upper
 167 100
 166 23.5 19.3 28.9
 139 13.1 10.2 15.4

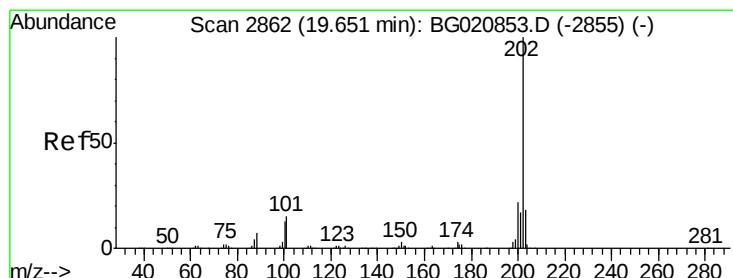
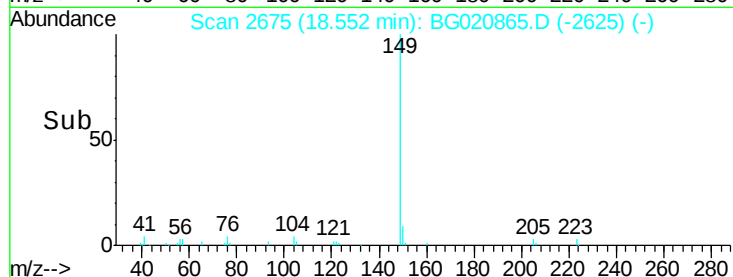
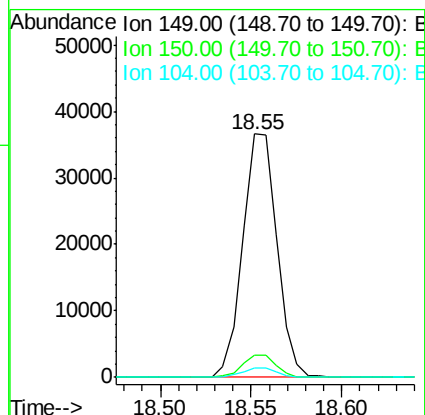
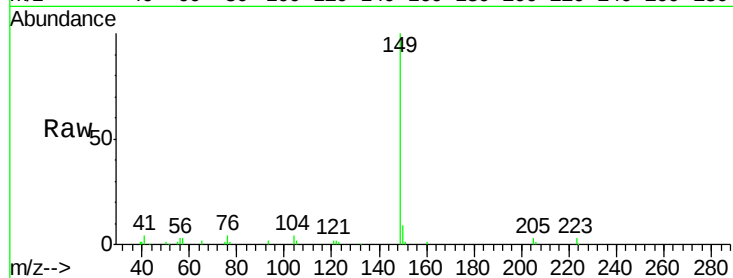




#73
Di-n-butylphthalate
Concen: 5.05 ng
RT: 18.55 min Scan# 2675
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

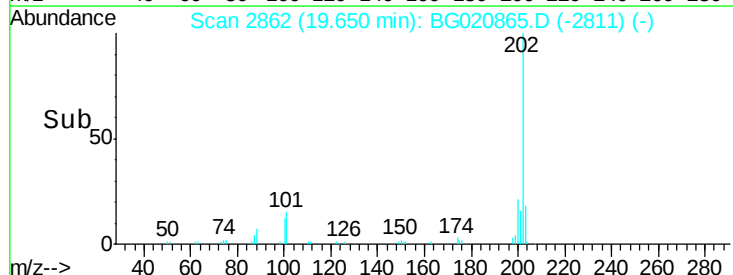
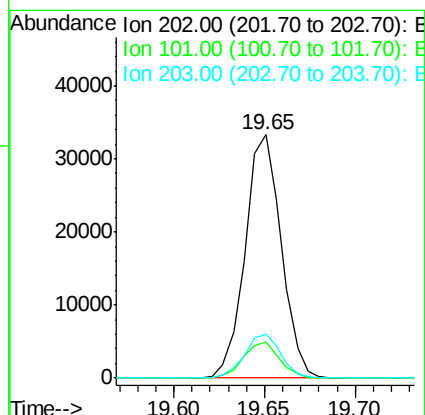
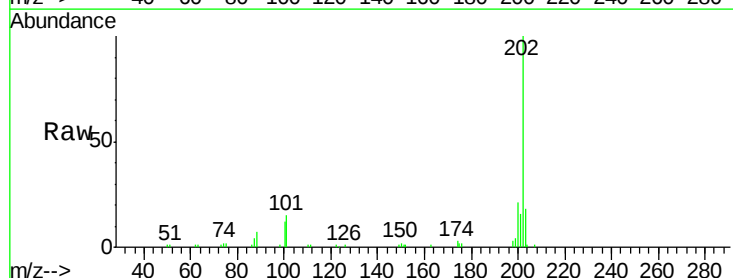
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

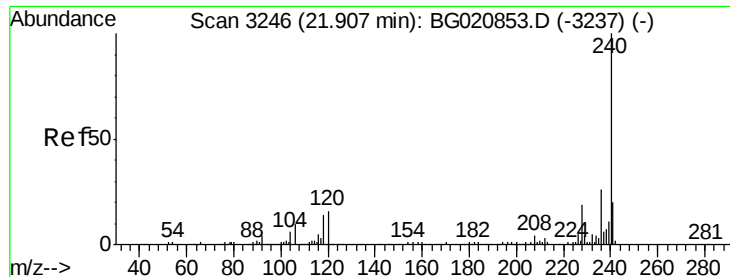
Tgt Ion:149 Resp: 48214
Ion Ratio Lower Upper
149 100
150 9.2 7.6 11.4
104 3.9 3.4 5.0



#74
Fluoranthene
Concen: 5.21 ng
RT: 19.65 min Scan# 2862
Delta R.T. -0.00 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Tgt Ion:202 Resp: 45987
Ion Ratio Lower Upper
202 100
101 15.1 0.0 35.3
203 17.8 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.90 min Scan# 3245

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

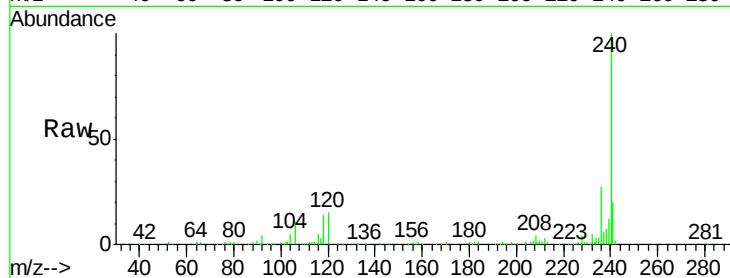
Tgt Ion:240 Resp: 134194

Ion Ratio Lower Upper

240 100

120 15.2 13.0 19.4

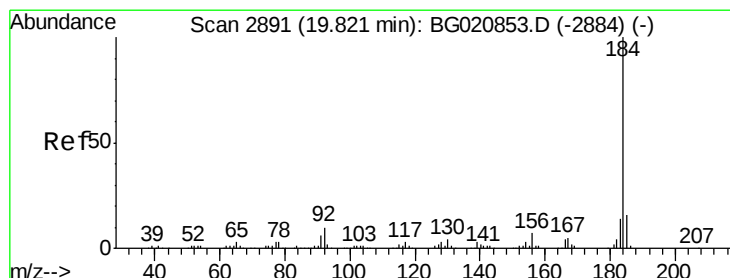
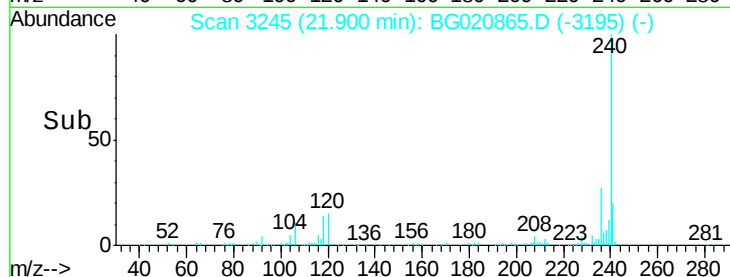
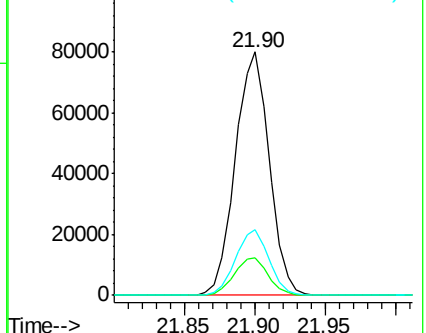
236 27.2 21.0 31.4



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: 0.93 ng

RT: 19.82 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

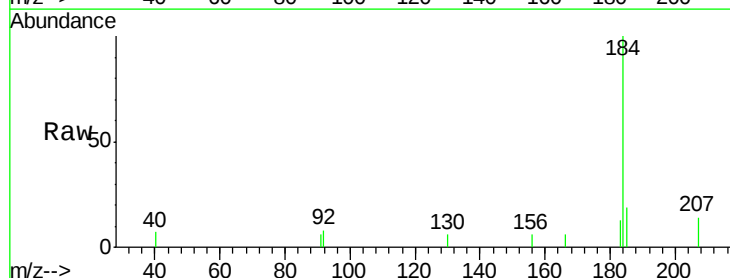
Tgt Ion:184 Resp: 4017

Ion Ratio Lower Upper

184 100

185 19.5 12.6 19.0#

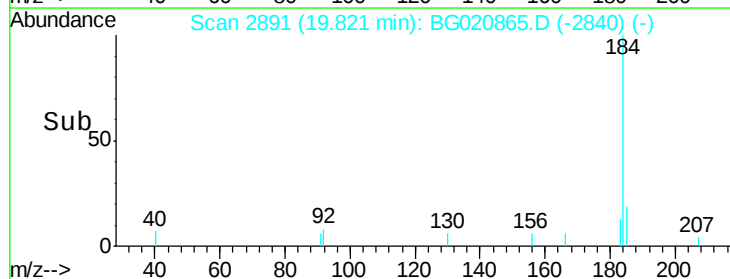
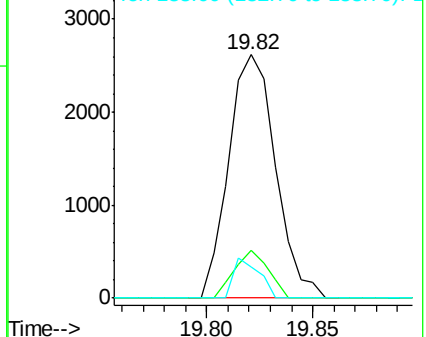
183 12.6 11.0 16.4

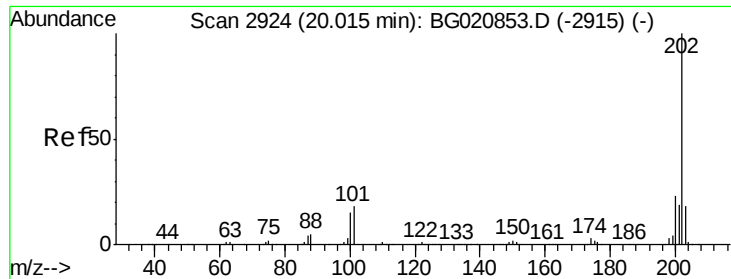


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

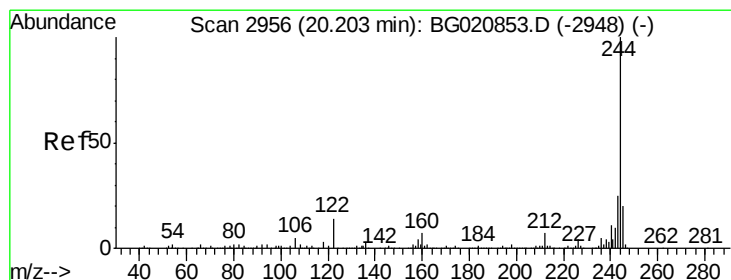
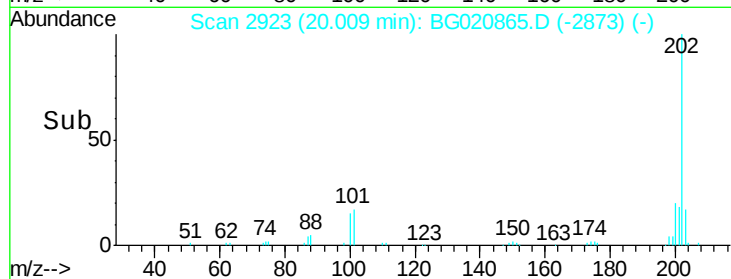
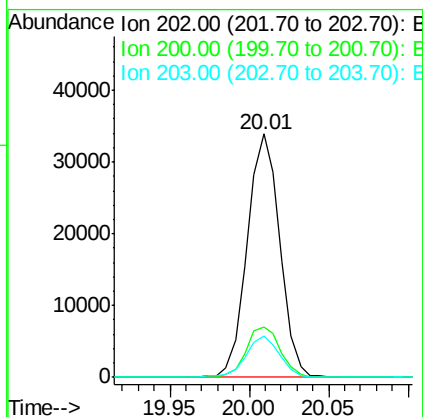
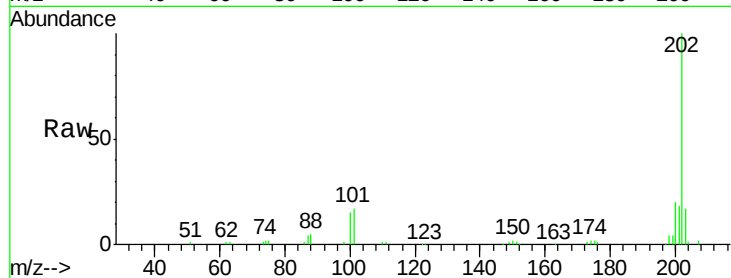




#77
Pyrene
Concen: 5.45 ng
RT: 20.01 min Scan# 2923
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

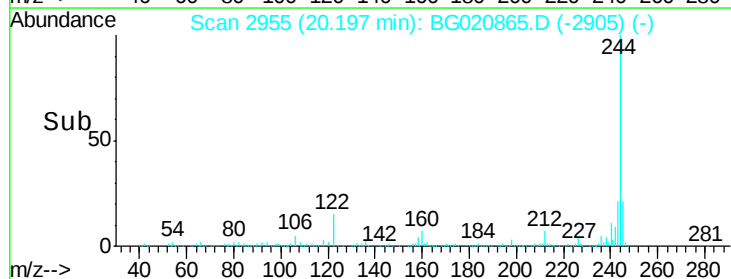
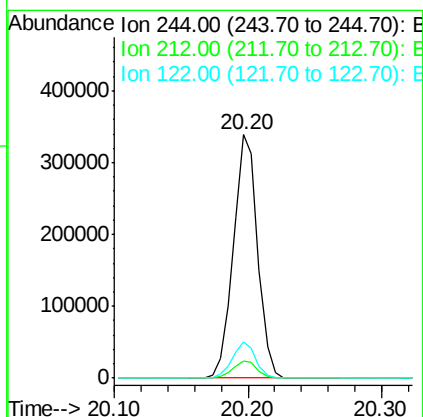
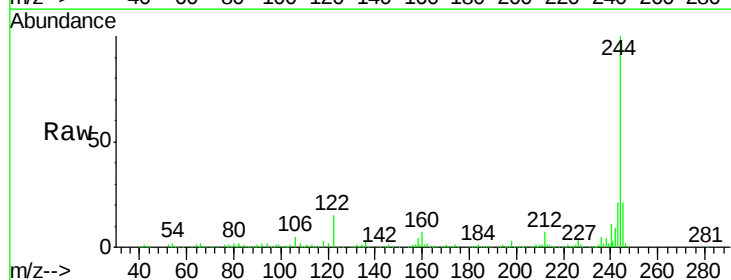
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

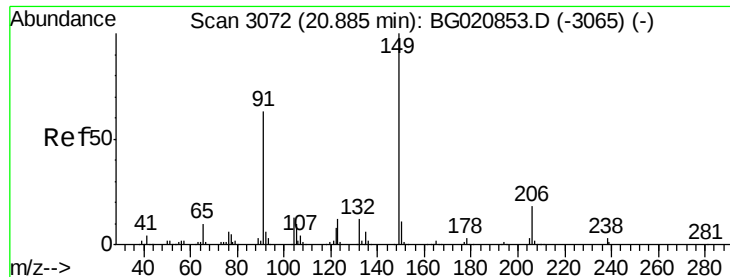
Tgt Ion:202 Resp: 48252
Ion Ratio Lower Upper
202 100
200 20.4 18.5 27.7
203 16.8 14.3 21.5



#78
Terphenyl-d14
Concen: 74.18 ng
RT: 20.20 min Scan# 2955
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Tgt Ion:244 Resp: 426736
Ion Ratio Lower Upper
244 100
212 7.1 5.5 8.3
122 14.8 11.4 17.2

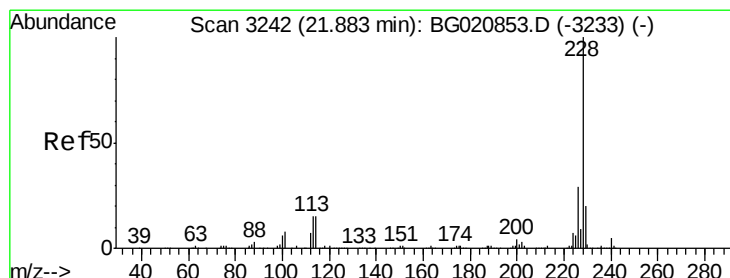
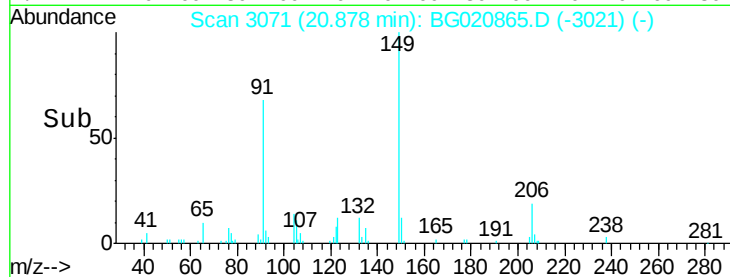
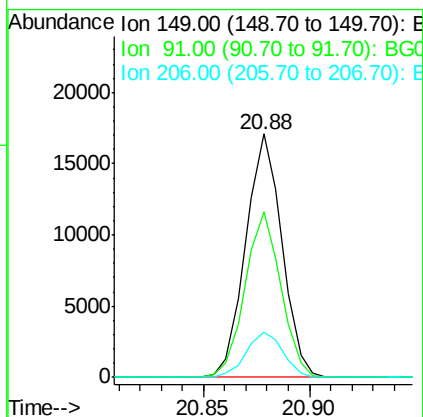
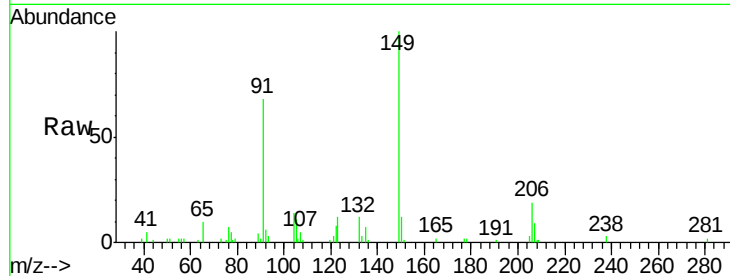




#79
Butylbenzylphthalate
Concen: 4.80 ng
RT: 20.88 min Scan# 3071
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

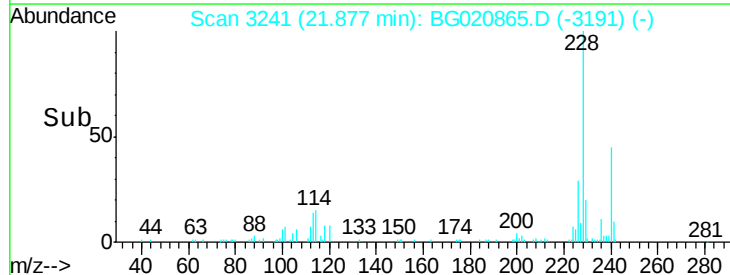
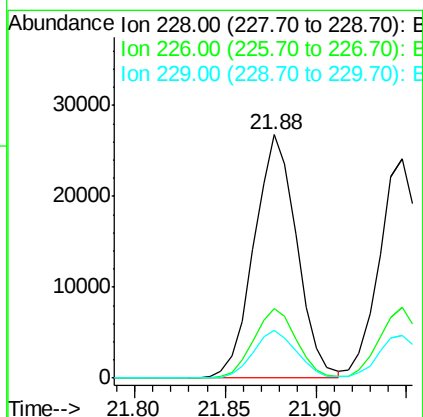
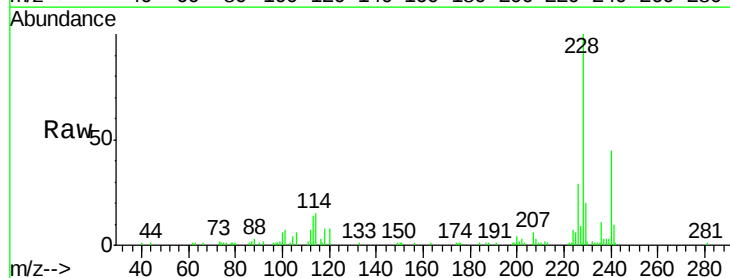
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

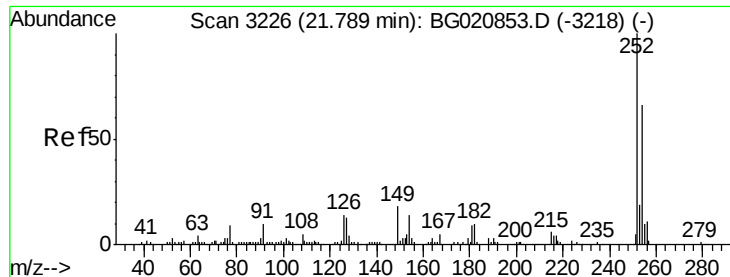
Tgt Ion:149 Resp: 20329
Ion Ratio Lower Upper
149 100
91 68.2 50.6 76.0
206 18.7 14.6 22.0



#80
Benzo(a)anthracene
Concen: 5.48 ng
RT: 21.88 min Scan# 3241
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Tgt Ion:228 Resp: 43869
Ion Ratio Lower Upper
228 100
226 28.7 23.1 34.7
229 19.6 16.2 24.2

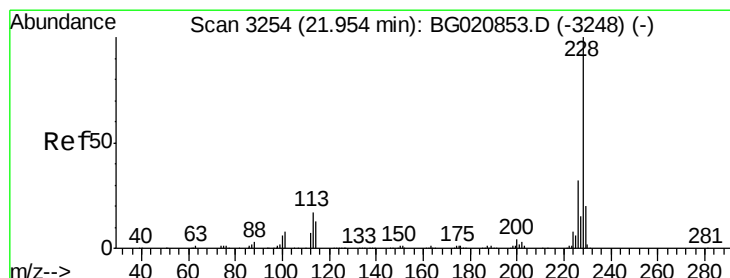
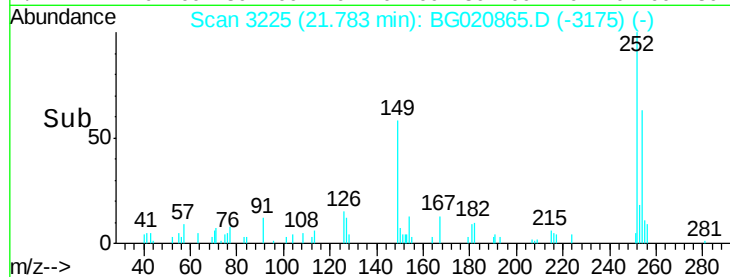
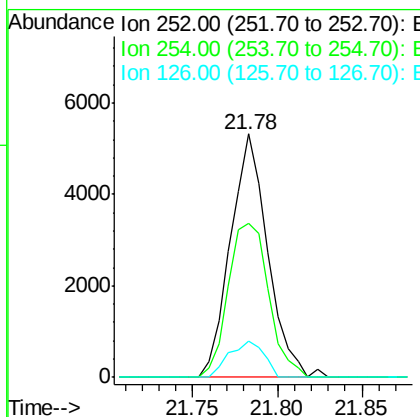
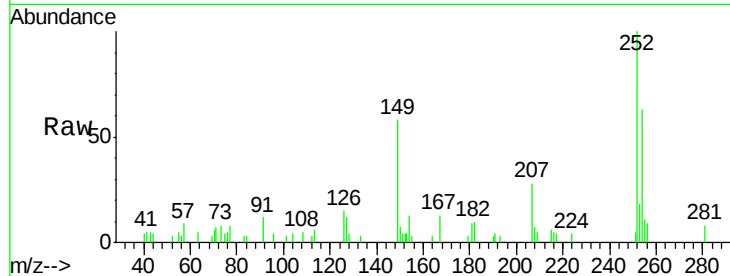




#81
 3,3'-Dichlorobenzidine
 Concen: 2.75 ng
 RT: 21.78 min Scan# 3225
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

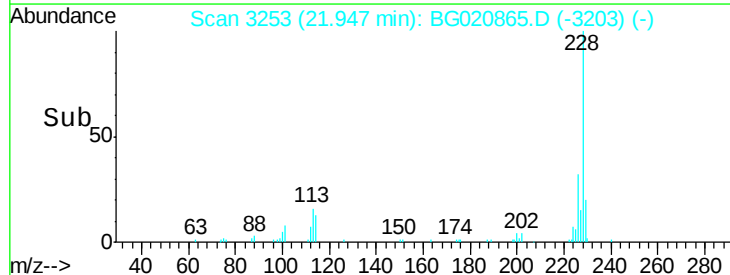
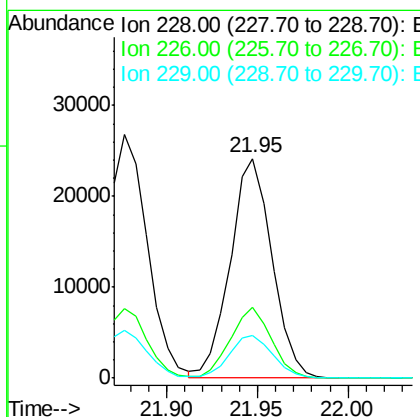
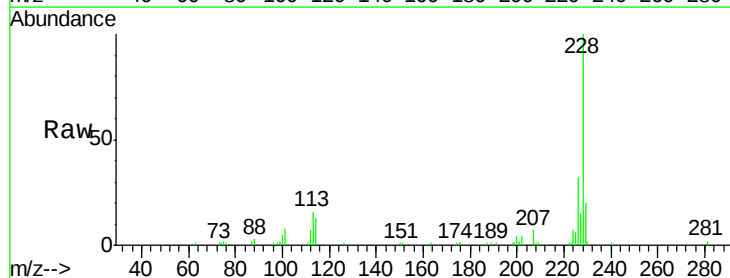
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

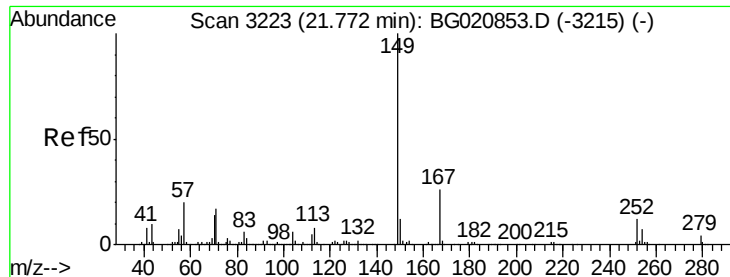
Tgt Ion:252 Resp: 8176
 Ion Ratio Lower Upper
 252 100
 254 63.4 52.8 79.2
 126 15.0 11.1 16.7



#82
 Chrysene
 Concen: 5.15 ng
 RT: 21.95 min Scan# 3253
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Tgt Ion:228 Resp: 38806
 Ion Ratio Lower Upper
 228 100
 226 32.4 25.3 37.9
 229 19.7 16.2 24.2

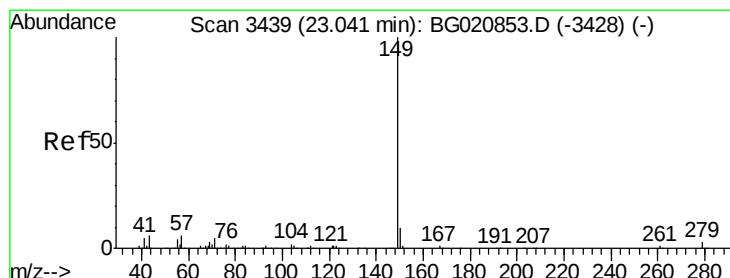
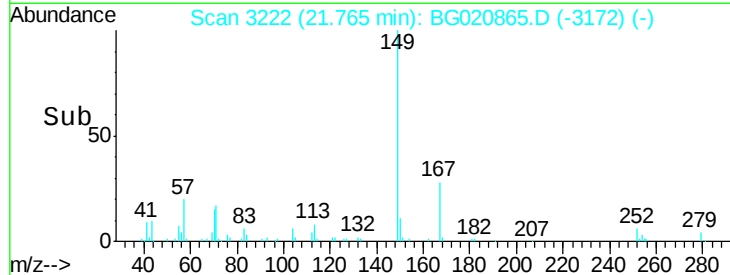
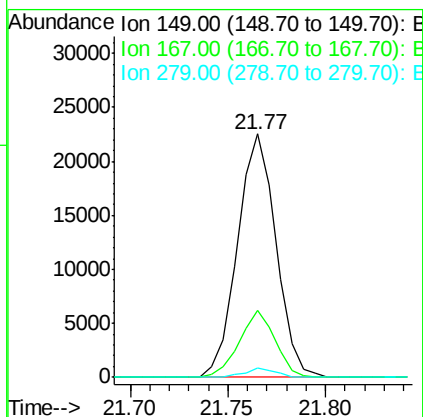
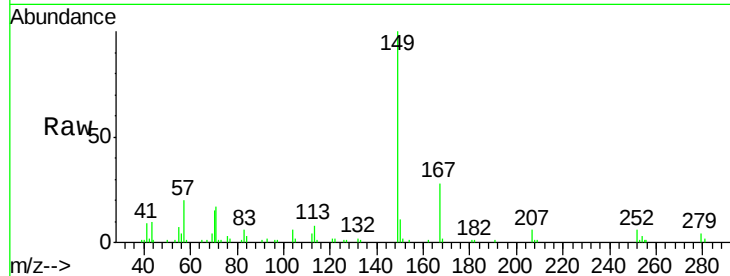




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.89 ng
 RT: 21.77 min Scan# 3222
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

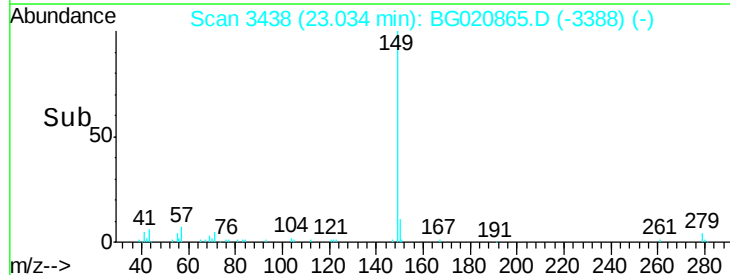
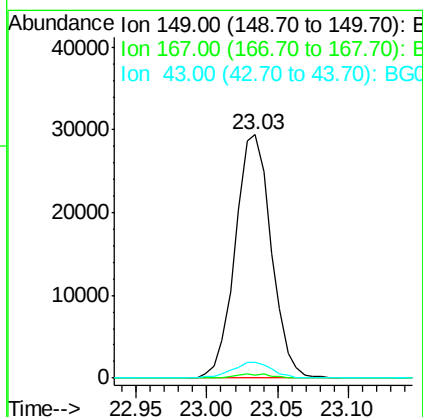
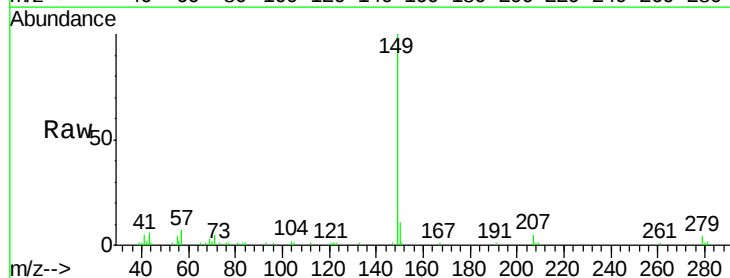
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

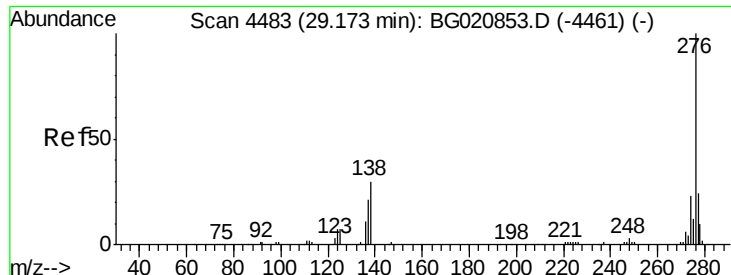
Tgt Ion:149 Resp: 30729
 Ion Ratio Lower Upper
 149 100
 167 27.5 20.9 31.3
 279 3.8 3.0 4.4



#84
 Di-n-octyl phthalate
 Concen: 5.10 ng
 RT: 23.03 min Scan# 3438
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Tgt Ion:149 Resp: 52613
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 6.8 5.1 7.7

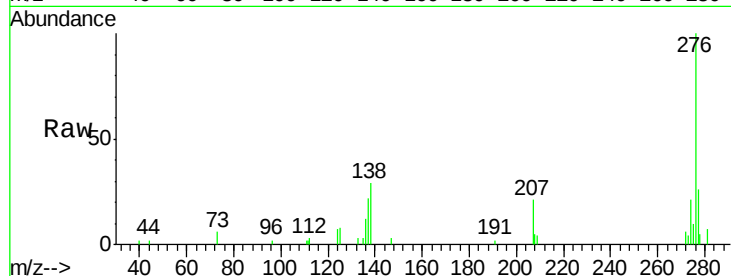




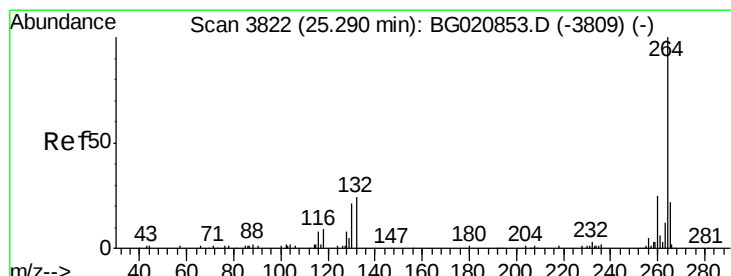
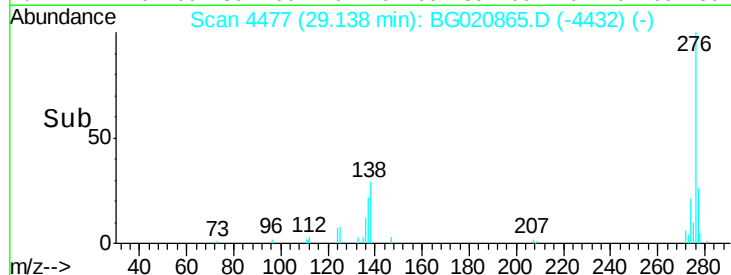
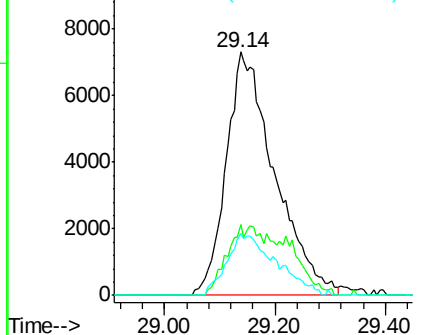
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.14 ng
 RT: 29.14 min Scan# 4477
 Delta R.T. -0.04 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:276 Resp: 44574
 Ion Ratio Lower Upper
 276 100
 138 10.8 20.1 30.1#
 277 25.7 20.5 30.7

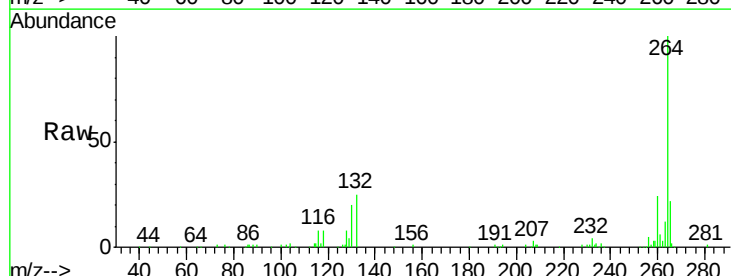


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

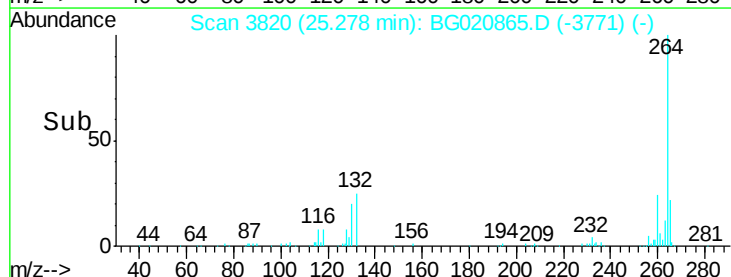
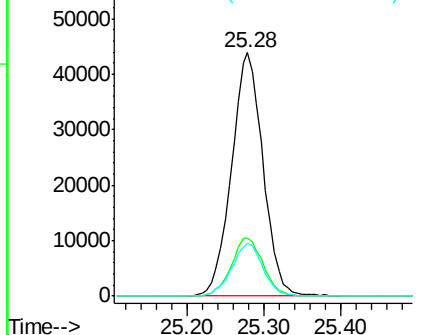


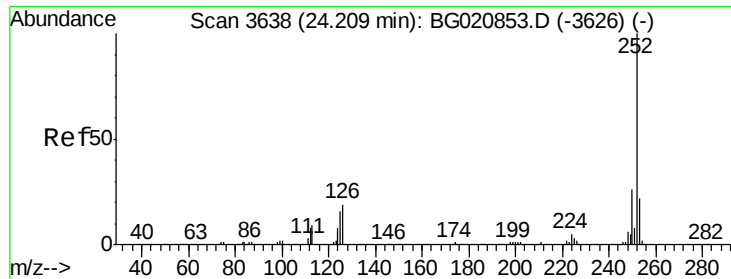
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.28 min Scan# 3820
 Delta R.T. -0.01 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Tgt Ion:264 Resp: 125042
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.9 29.9
 265 22.0 18.0 27.0



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





#87

Benzo(b)fluoranthene

Concen: 5.39 ng

RT: 24.20 min Scan# 3637

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

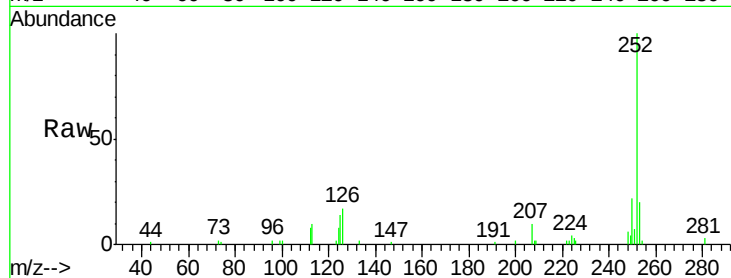
Tgt Ion:252 Resp: 41270

Ion Ratio Lower Upper

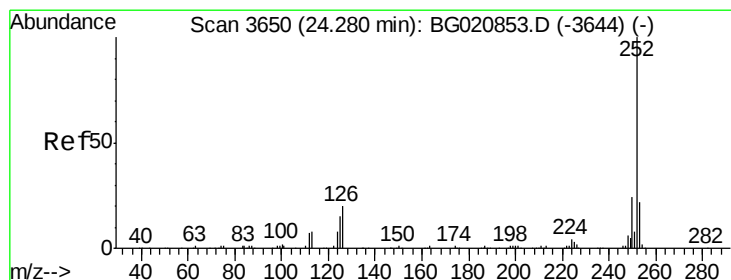
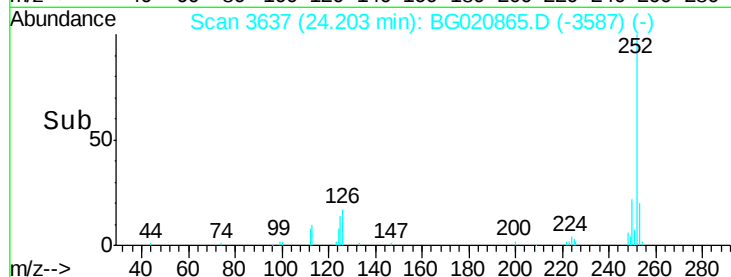
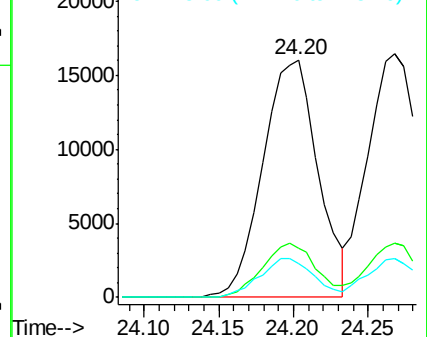
252 100

253 20.5 17.5 26.3

125 14.4 12.5 18.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.38 ng

RT: 24.27 min Scan# 3648

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

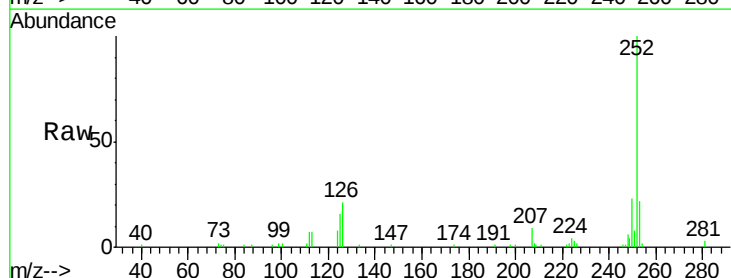
Tgt Ion:252 Resp: 40304

Ion Ratio Lower Upper

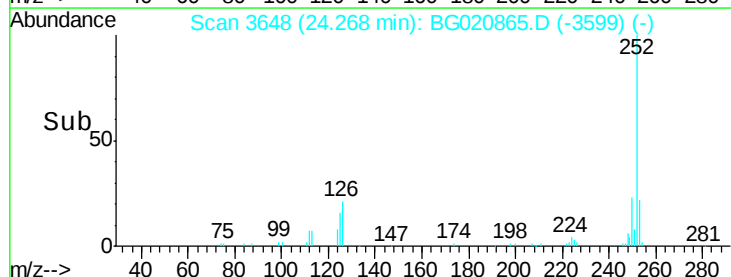
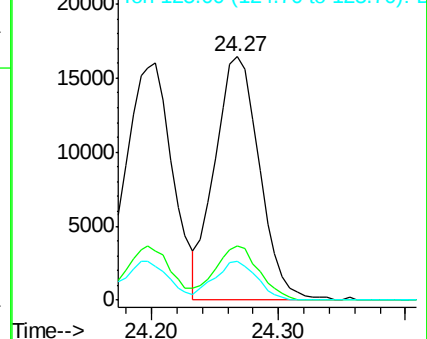
252 100

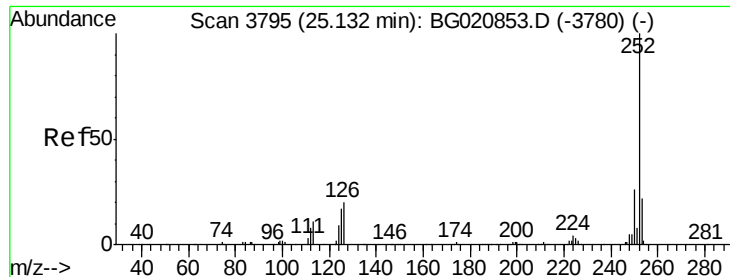
253 22.3 17.7 26.5

125 15.9 12.2 18.4



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





#89

Benzo(a)pyrene

Concen: 5.35 ng

RT: 25.11 min Scan# 3792

Delta R.T. -0.02 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

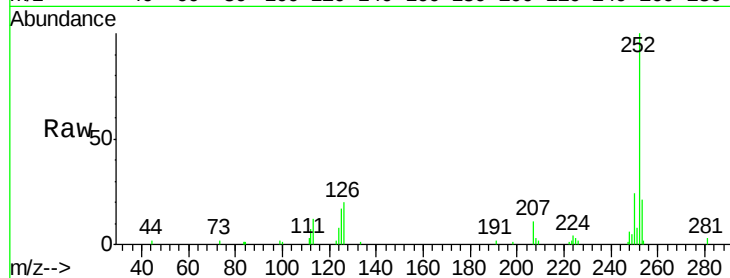
Tgt Ion:252 Resp: 38993

Ion Ratio Lower Upper

252 100

253 20.7 17.4 26.2

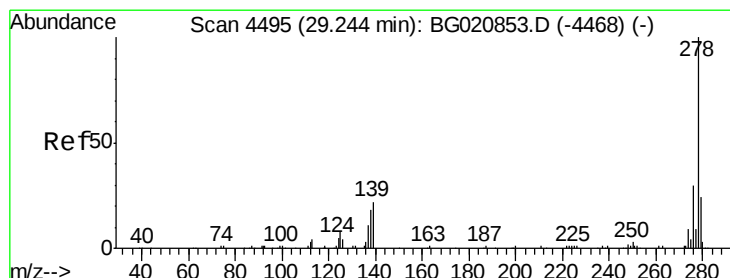
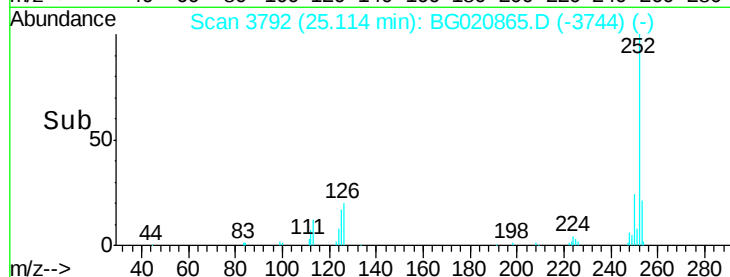
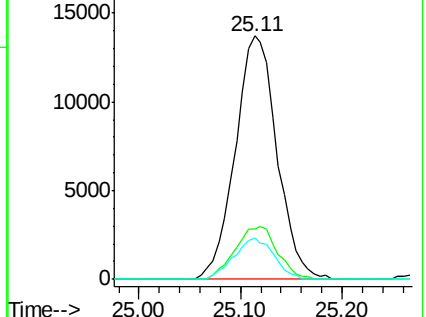
125 16.8 13.6 20.4



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: 5.26 ng

RT: 29.21 min Scan# 4490

Delta R.T. -0.03 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

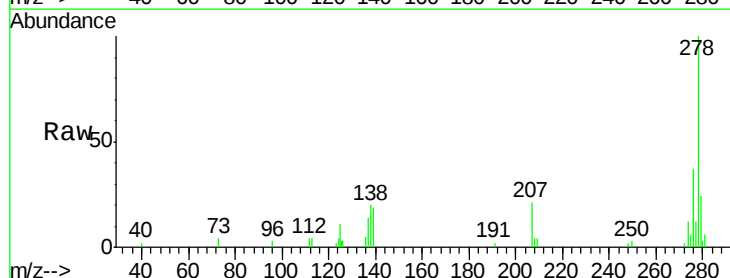
Tgt Ion:278 Resp: 37272

Ion Ratio Lower Upper

278 100

139 18.7 17.3 25.9

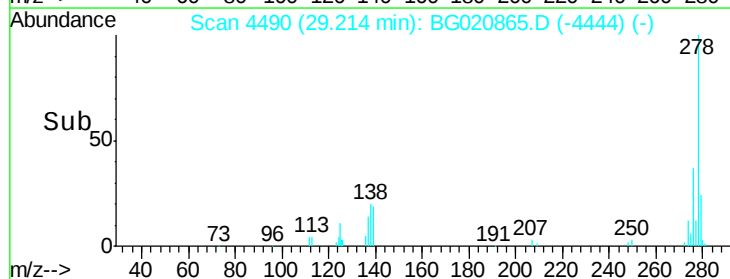
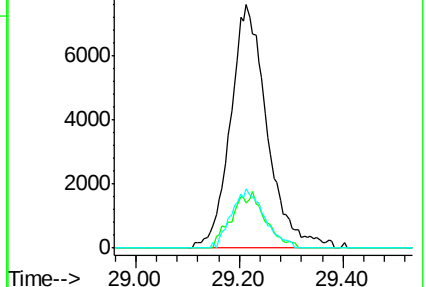
279 24.4 19.1 28.7

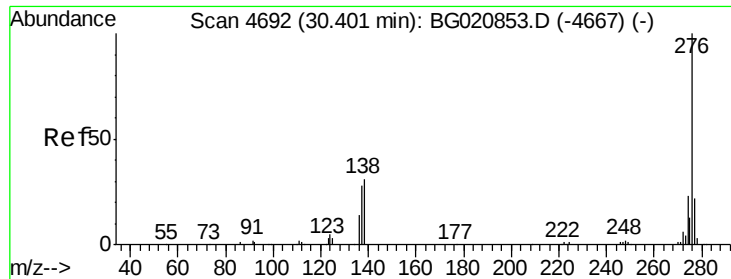


Abundance Ion 278.00 (277.70 to 278.70): E

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: 5.20 ng

RT: 30.35 min Scan# 4684

Delta R.T. -0.05 min

Lab File: BG020865.D

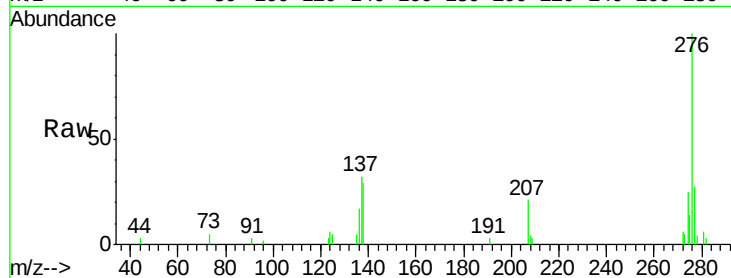
Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01



Tgt Ion:	276	Resp:	36573
Ion	Ratio	Lower	Upper
276	100		
277	26.9	17.6	26.4#
138	29.1	25.2	37.8

