

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021116\
 Data File : BG020864.D
 Acq On : 11 Feb 2016 20:07
 Operator : SJ/UM
 Sample : G4825-03
 Misc : LOD 5PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Feb 11 22:44:49 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	22159	20.00	ng	0.00
21) Naphthalene-d8	11.10	136	110632	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	70748	20.00	ng	0.00
63) Phenanthrene-d10	17.62	188	151687	20.00	ng	0.00
75) Chrysene-d12	21.90	240	143063	20.00	ng	0.00
86) Perylene-d12	25.28	264	132744	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	173307	131.71	ng	0.00
7) Phenol-d6	7.41	99	245329	127.56	ng	0.00
23) Nitrobenzene-d5	9.44	82	134206	79.76	ng	0.00
41) 2,4,6-Tribromophenol	16.36	330	93283	134.08	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	380756	75.60	ng	0.00
78) Terphenyl-d14	20.20	244	518471	84.54	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.63	88	1526	3.19	ng	# 71
3) Pyridine	4.05	79	4161	2.94	ng	97
4) n-Nitrosodimethylamine	3.96	42	1402	3.79	ng	# 73
6) Aniline	7.58	93	4034	1.68	ng	95
8) 2-Chlorophenol	7.82	128	6449	3.92	ng	94
9) Benzaldehyde	7.39	77	4944	5.13	ng	96
10) Phenol	7.44	94	8329	4.09	ng	95
11) bis(2-Chloroethyl)ether	7.68	93	5714	3.52	ng	97
12) 1,3-Dichlorobenzene	8.15	146	6304	3.63	ng	95
13) 1,4-Dichlorobenzene	8.30	146	6528	3.70	ng	95
14) 1,2-Dichlorobenzene	8.63	146	6241	3.64	ng	96
15) Benzyl Alcohol	8.50	79	4816	3.97	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.80	45	5906	3.48	ng	98
17) 2-Methylphenol	8.70	107	5572	3.80	ng	94
18) Hexachloroethane	9.36	117	2138	3.53	ng	99
19) n-Nitroso-di-n-propylamine	9.06	70	4456	3.59	ng	97
20) 3+4-Methylphenols	9.02	107	8138	3.98	ng	98
22) Acetophenone	9.09	105	9572	3.59	ng	# 94
24) Nitrobenzene	9.48	77	7028	4.01	ng	93
25) Isophorone	10.00	82	12566	3.54	ng	99
26) 2-Nitrophenol	10.20	139	2770	3.00	ng	96
27) 2,4-Dimethylphenol	10.24	122	5754	3.25	ng	92
28) bis(2-Chloroethoxy)methane	10.48	93	8533	3.90	ng	98
29) 2,4-Dichlorophenol	10.73	162	6272	3.96	ng	94
30) 1,2,4-Trichlorobenzene	10.95	180	5964	3.73	ng	96
31) Naphthalene	11.14	128	21507	3.76	ng	98
32) Benzoic acid	10.29	122	1530	1.08	ng	# 80
33) 4-Chloroaniline	11.25	127	4700	1.91	ng	98
34) Hexachlorobutadiene	11.42	225	3100	3.81	ng	99
35) Caprolactam	11.98	113	2107	3.47	ng	# 83
36) 4-Chloro-3-methylphenol	12.33	107	7125	3.92	ng	96
37) 2-Methylnaphthalene	12.73	142	16371	4.08	ng	99
39) 1,2,4,5-Tetrachlorobenzene	13.09	216	6772	3.26	ng	96
40) Hexachlorocyclopentadiene	13.07	237	1869	2.05	ng	91

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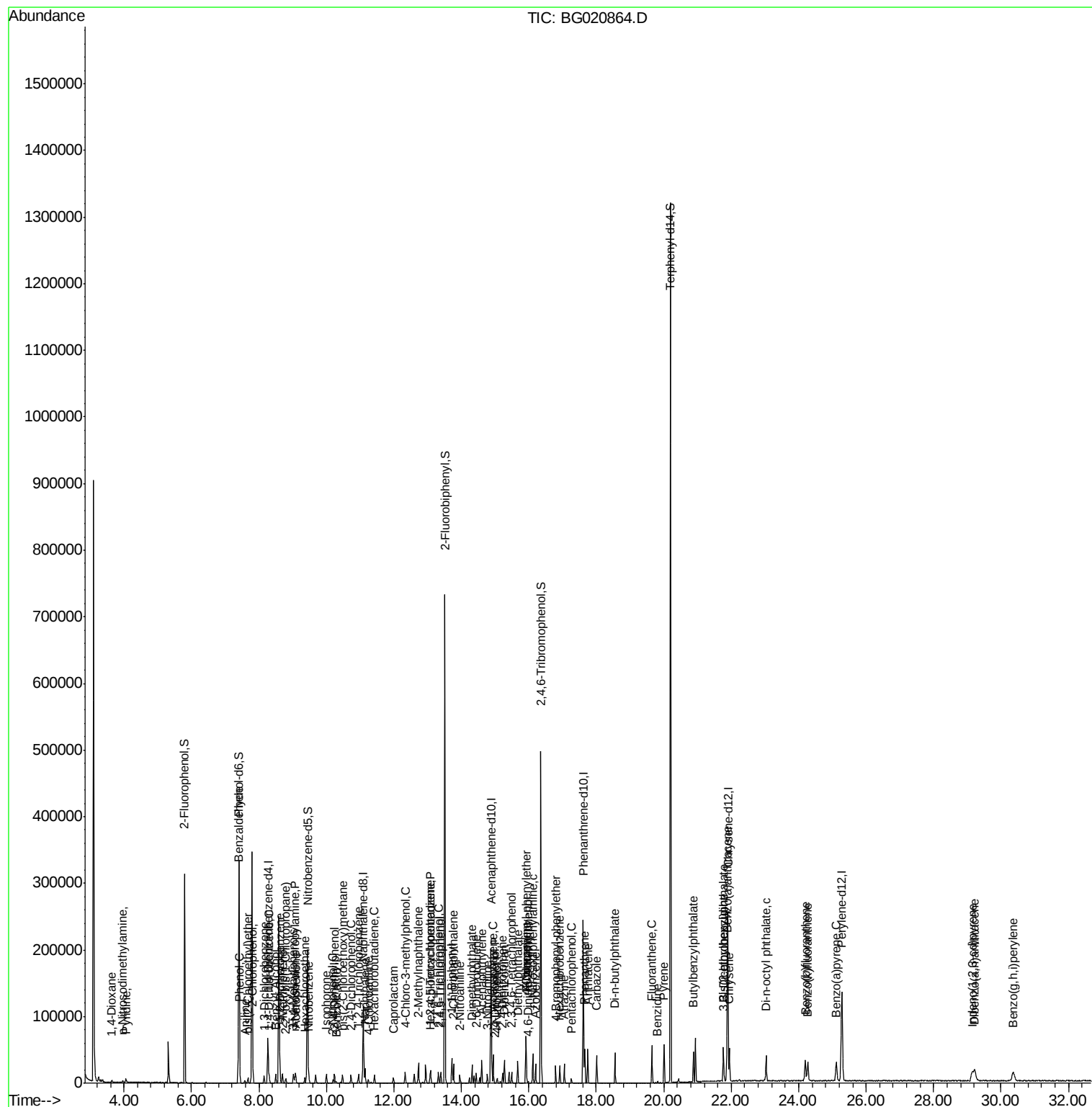
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.32	196	5003	3.59	ng	97
43) 2,4,5-Trichlorophenol	13.39	196	5449	3.72	ng	97
45) 1,1'-Biphenyl	13.72	154	21355	3.42	ng	98
46) 2-Chloronaphthalene	13.77	162	16171	3.62	ng	98
47) 2-Nitroaniline	13.96	65	3799	3.55	ng	89
48) Acenaphthylene	14.61	152	28689	3.69	ng	98
49) Dimethylphthalate	14.32	163	20569	3.72	ng	99
50) 2,6-Dinitrotoluene	14.44	165	4147	3.50	ng	95
51) Acenaphthene	14.94	154	16937	3.60	ng	97
52) 3-Nitroaniline	14.77	138	4281	3.11	ng	# 96
53) 2,4-Dinitrophenol	14.98	184	365	9.07	ng	# 61
54) Dibenzofuran	15.27	168	27269	4.38	ng	97
55) 4-Nitrophenol	15.06	139	3050	2.93	ng	96
56) 2,4-Dinitrotoluene	15.22	165	5293	3.45	ng	# 91
57) Fluorene	15.92	166	23031	4.01	ng	96
58) 2,3,4,6-Tetrachlorophenol	15.50	232	4363	3.91	ng	# 98
59) Diethylphthalate	15.68	149	22062	3.88	ng	99
60) 4-Chlorophenyl-phenylether	15.91	204	9632	3.78	ng	91
61) 4-Nitroaniline	15.92	138	4837	3.50	ng	94
62) Azobenzene	16.20	77	19315	4.32	ng	98
64) 4,6-Dinitro-2-methylphenol	15.98	198	1156	6.84	ng	78
65) n-Nitrosodiphenylamine	16.12	169	18436	3.76	ng	98
66) 4-Bromophenyl-phenylether	16.80	248	5685	3.55	ng	97
67) Hexachlorobenzene	16.92	284	6322	3.71	ng	96
68) Atrazine	17.05	200	5724	3.85	ng	99
69) Pentachlorophenol	17.26	266	2207	2.26	ng	# 90
70) Phenanthrene	17.66	178	33739	3.91	ng	98
71) Anthracene	17.75	178	32623	3.72	ng	97
72) Carbazole	18.02	167	30037	3.82	ng	98
73) Di-n-butylphthalate	18.56	149	36388	3.61	ng	98
74) Fluoranthene	19.65	202	34635	3.71	ng	99
76) Benzidine	19.82	184	2502	0.54	ng	99
77) Pyrene	20.01	202	36007	3.82	ng	97
79) Butylbenzylphthalate	20.88	149	14942	3.31	ng	88
80) Benzo(a)anthracene	21.88	228	32317	3.78	ng	99
81) 3,3'-Dichlorobenzidine	21.78	252	6751	2.13	ng	98
82) Chrysene	21.95	228	29431	3.66	ng	99
83) Bis(2-ethylhexyl)phthalate	21.77	149	23219	3.47	ng	100
84) Di-n-octyl phthalate	23.03	149	39312	3.58	ng	98
85) Indeno(1,2,3-cd)pyrene	29.15	276	33651	3.64	ng	# 89
87) Benzo(b)fluoranthene	24.20	252	31145	3.83	ng	99
88) Benzo(k)fluoranthene	24.27	252	30723	3.86	ng	99
89) Benzo(a)pyrene	25.12	252	29620	3.83	ng	97
90) Dibenzo(a,h)anthracene	29.22	278	27671	3.68	ng	95
91) Benzo(g,h,i)perylene	30.36	276	27409	3.67	ng	# 90

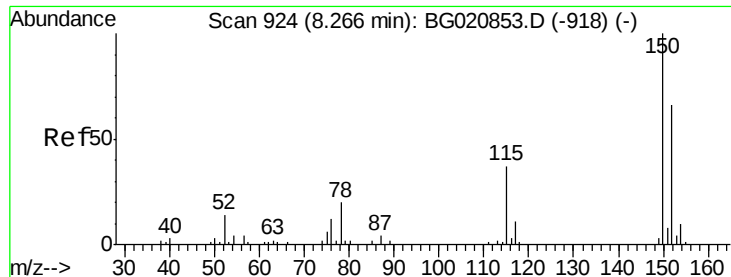
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.27 min Scan# 924

Delta R.T. 0.00 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

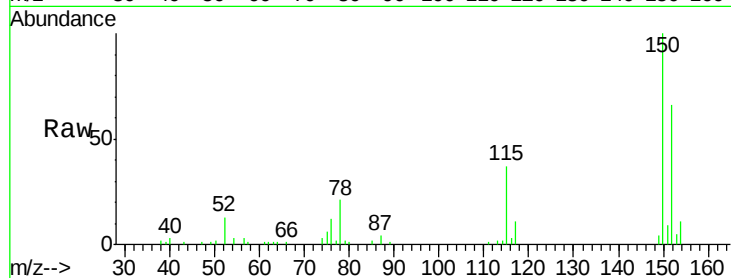
Tgt Ion:152 Resp: 22159

Ion Ratio Lower Upper

152 100

150 151.6 122.0 183.0

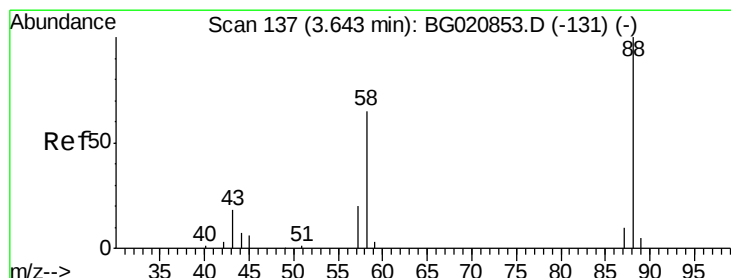
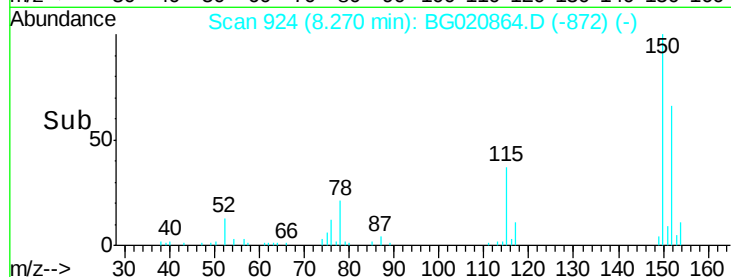
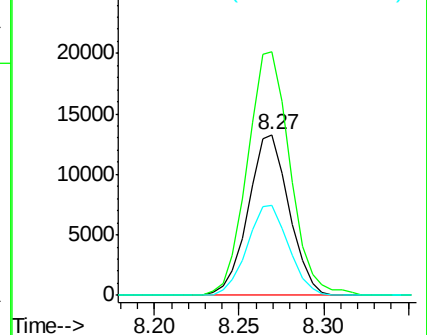
115 55.7 45.2 67.8



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



#2

1,4-Dioxane

Concen: 3.19 ng

RT: 3.63 min Scan# 135

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

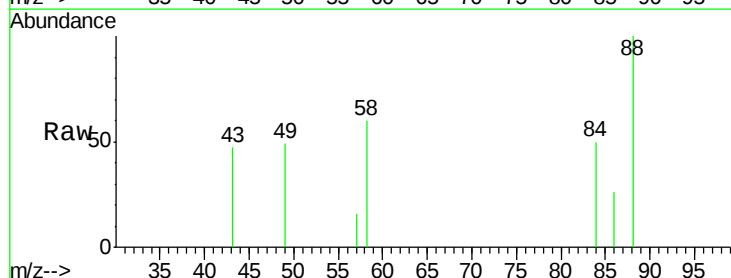
Tgt Ion: 88 Resp: 1526

Ion Ratio Lower Upper

88 100

58 82.0 50.3 75.5#

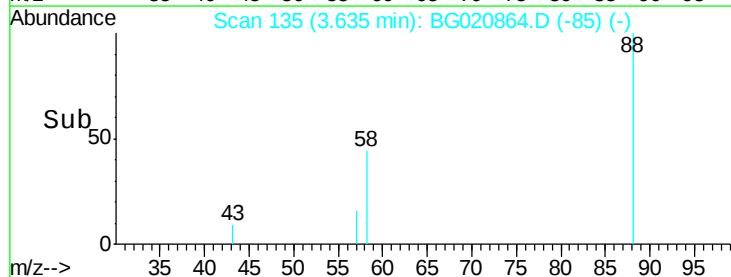
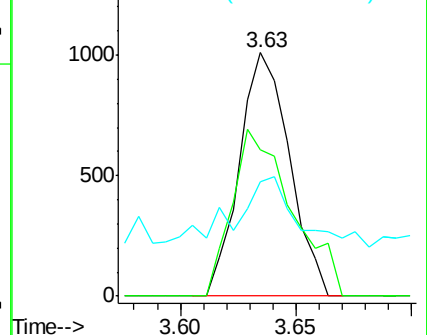
43 37.0 14.5 21.7#

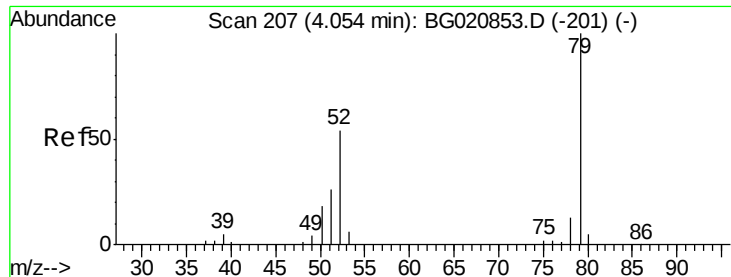


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

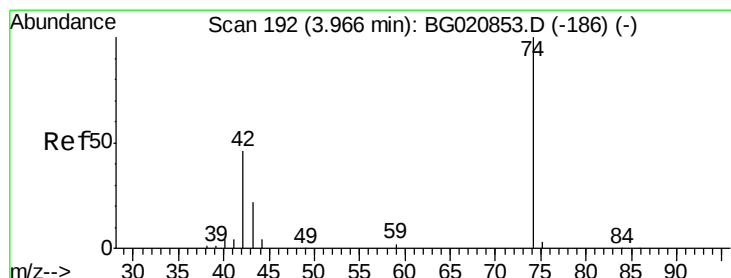
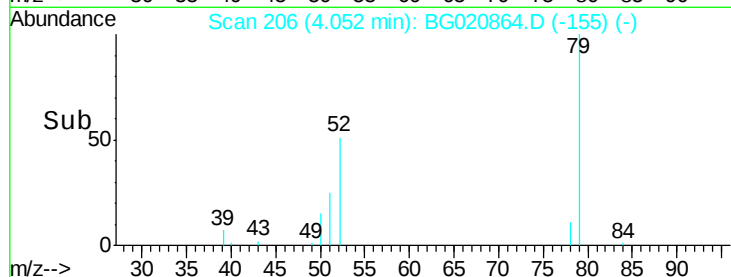
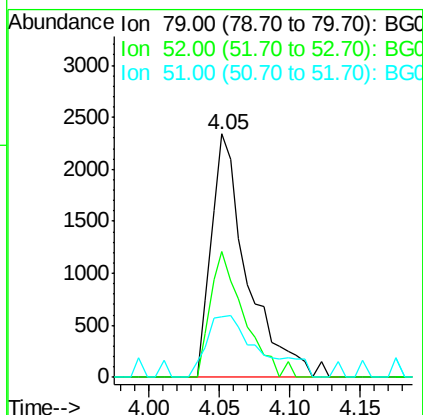
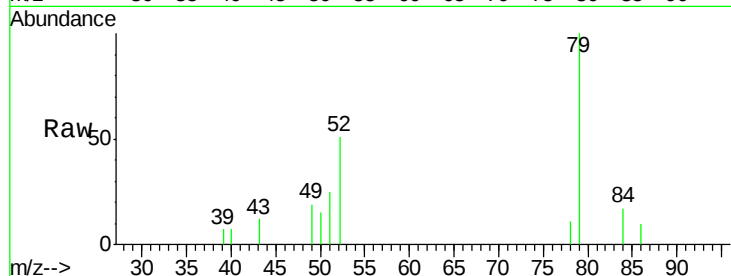




#3
 Pyridine
 Concen: 2.94 ng
 RT: 4.05 min Scan# 206
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

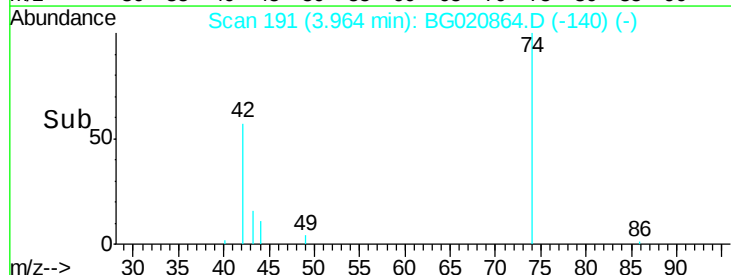
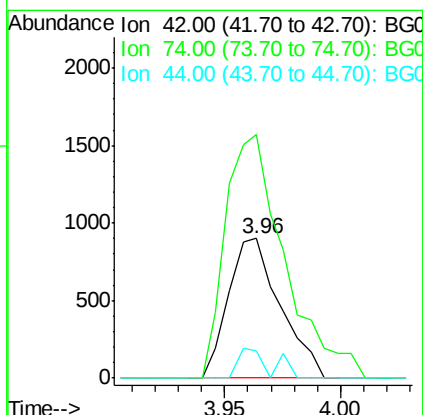
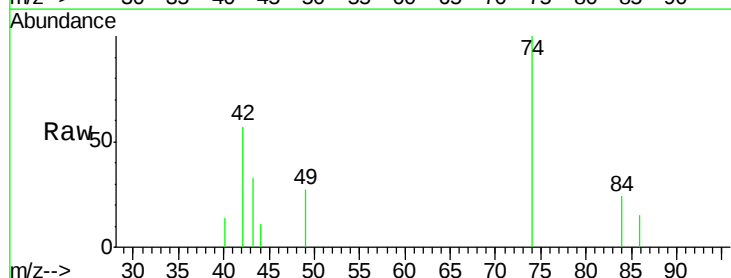
Instrument :
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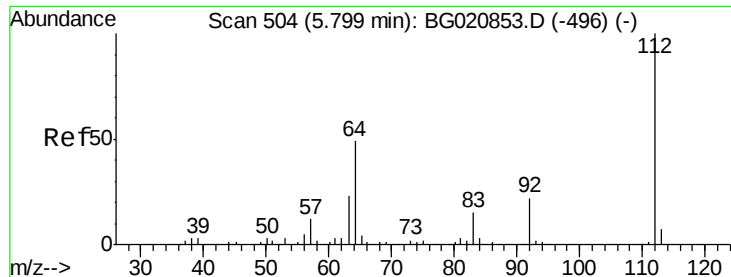
Tgt Ion: 79 Resp: 4161
 Ion Ratio Lower Upper
 79 100
 52 51.4 43.1 64.7
 51 24.7 20.7 31.1



#4
 n-Nitrosodimethylamine
 Concen: 3.79 ng
 RT: 3.96 min Scan# 191
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Tgt Ion: 42 Resp: 1402
 Ion Ratio Lower Upper
 42 100
 74 174.7 173.8 260.6
 44 19.7 6.3 9.5#





#5

2-Fluorophenol

Concen: 131.71 ng

RT: 5.80 min Scan# 503

Delta R.T. -0.00 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

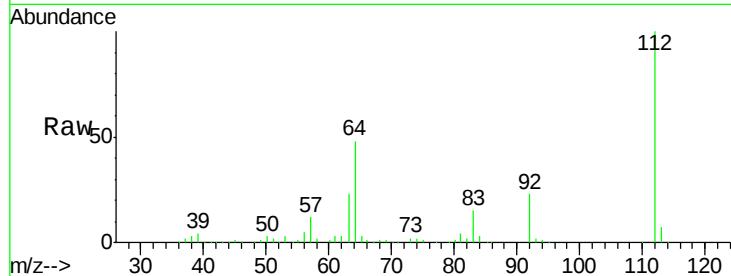
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

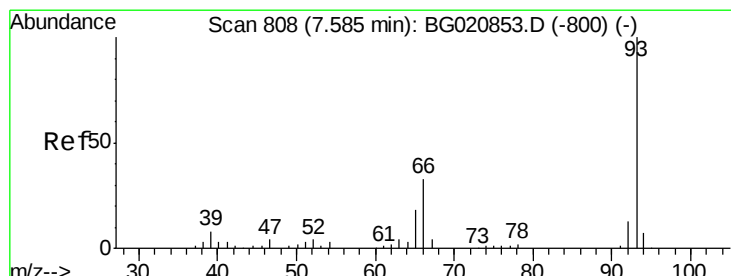
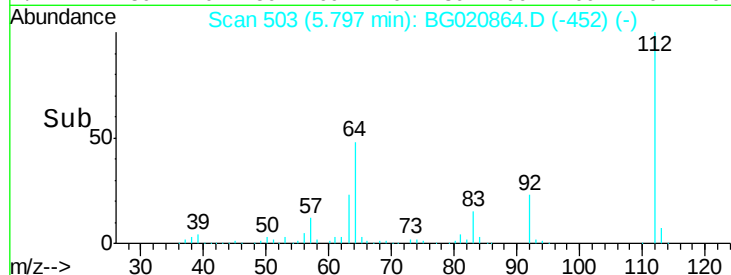
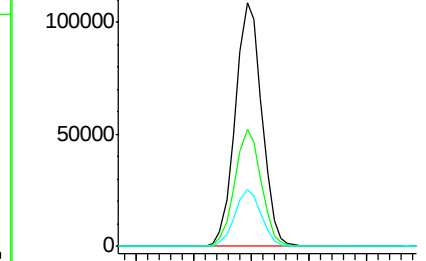
Tgt Ion:	112	Resp:	173307
Ion	Ratio	Lower	Upper
112	100		
64	48.2	39.3	58.9
63	23.2	18.2	27.4



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 1.68 ng

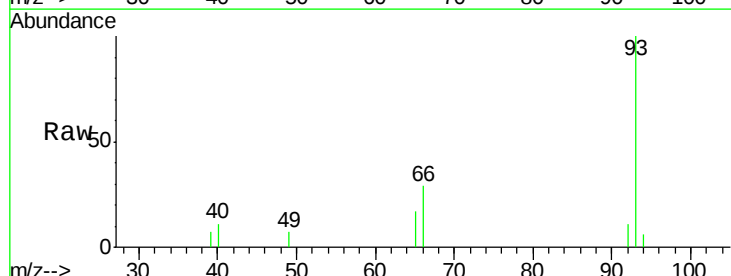
RT: 7.58 min Scan# 807

Delta R.T. -0.00 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

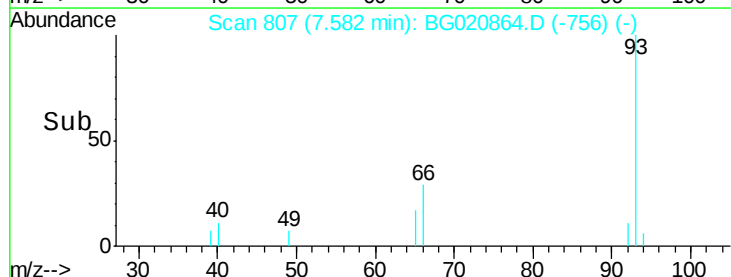
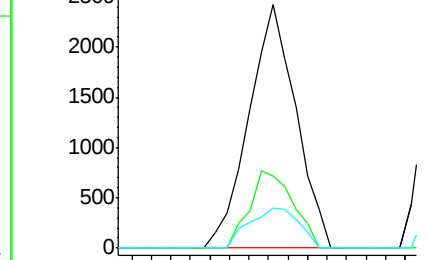
Tgt Ion:	93	Resp:	4034
Ion	Ratio	Lower	Upper
93	100		
66	29.5	26.6	40.0
65	16.7	14.0	21.0

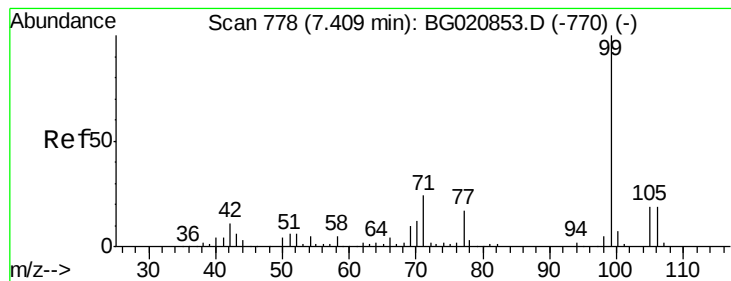


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 127.56 ng

RT: 7.41 min Scan# 777

Delta R.T. -0.00 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

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ClientSampleId :

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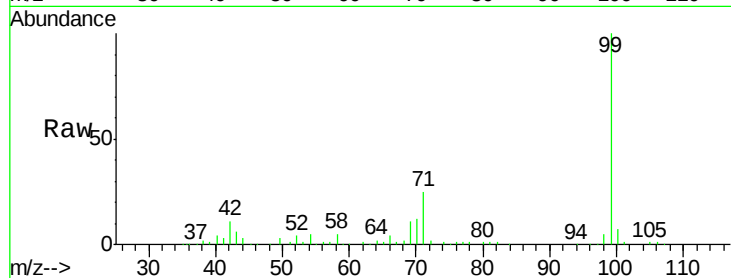
Tgt Ion: 99 Resp: 245329

Ion Ratio Lower Upper

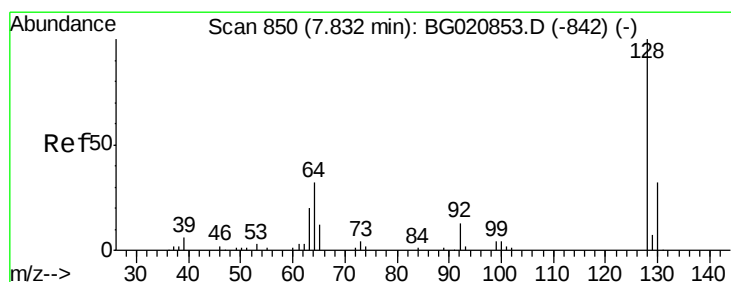
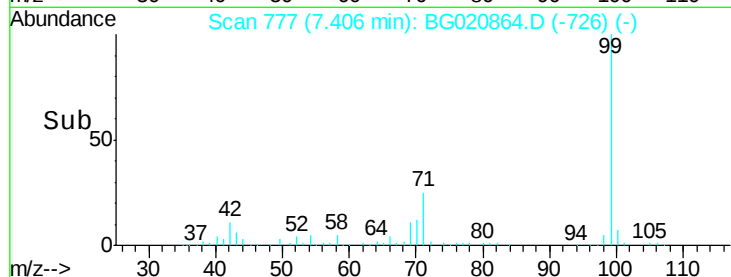
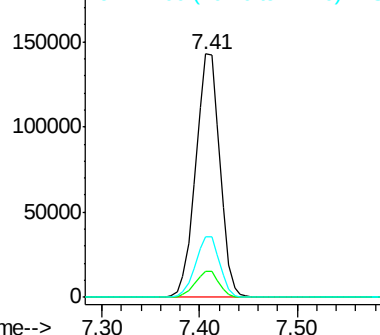
99 100

42 10.7 8.4 12.6

71 24.7 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: 3.92 ng

RT: 7.82 min Scan# 848

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

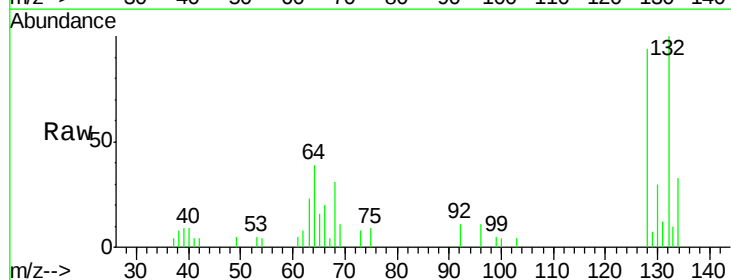
Tgt Ion: 128 Resp: 6449

Ion Ratio Lower Upper

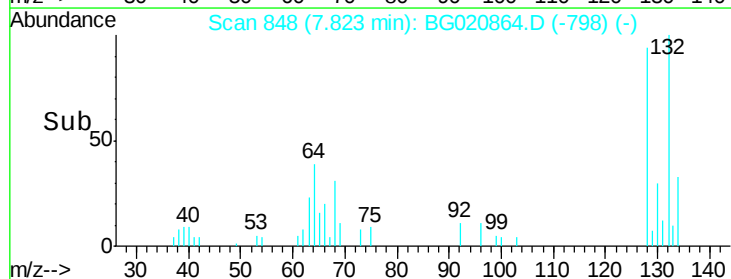
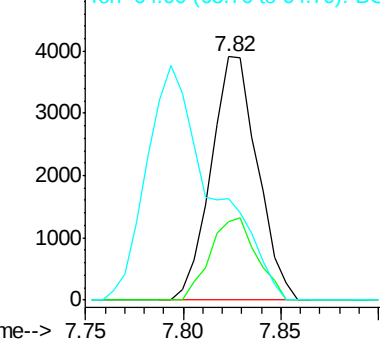
128 100

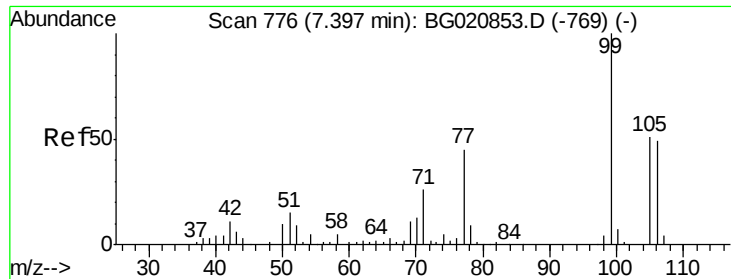
130 32.4 12.3 52.3

64 41.9 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

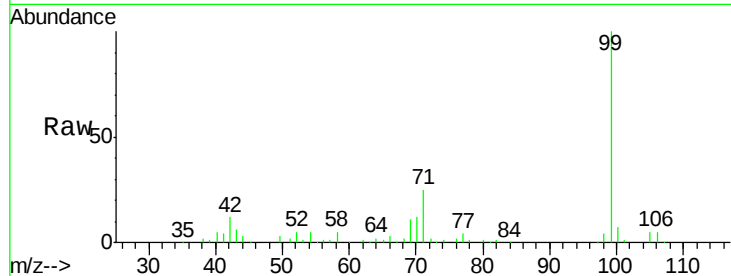




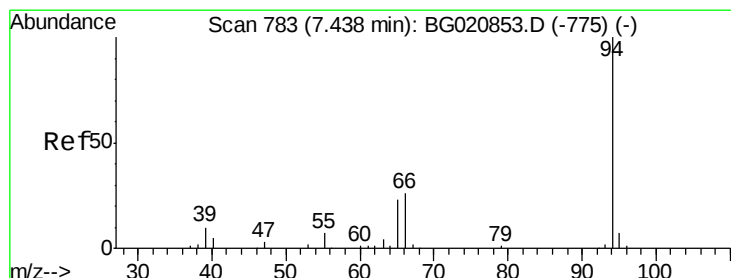
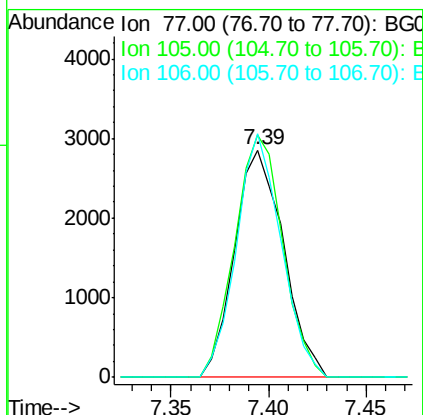
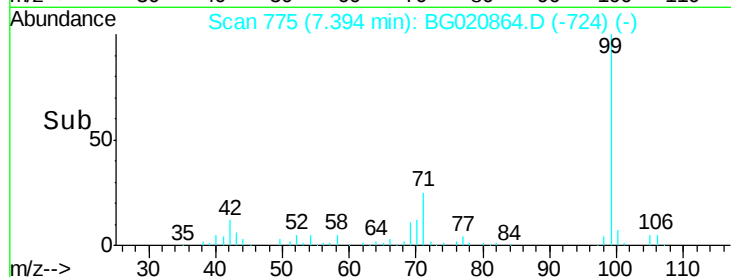
#9
Benzaldehyde
Concen: 5.13 ng
RT: 7.39 min Scan# 775
Delta R.T. -0.00 min
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Tgt Ion: 77 Resp: 4944
Ion Ratio Lower Upper
77 100
105 106.6 93.4 133.4
106 107.3 88.7 128.7

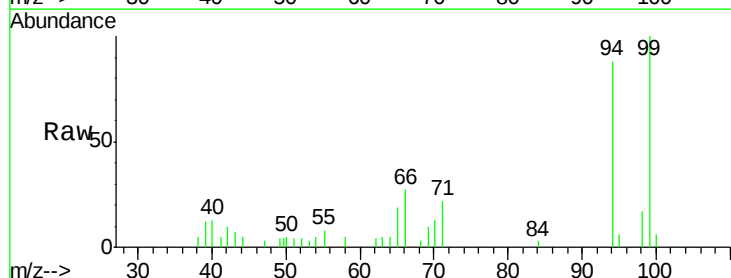


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

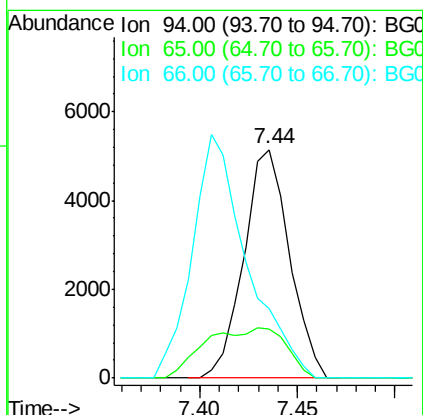
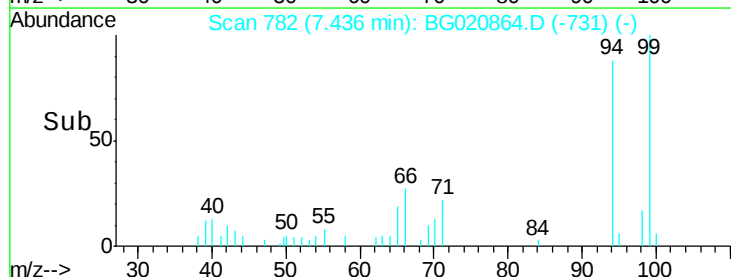


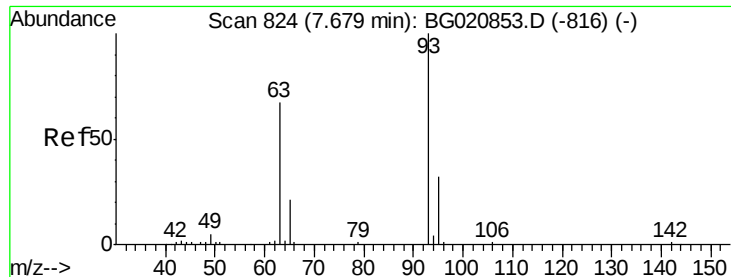
#10
Phenol
Concen: 4.09 ng
RT: 7.44 min Scan# 782
Delta R.T. -0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Tgt Ion: 94 Resp: 8329
Ion Ratio Lower Upper
94 100
65 21.3 2.8 42.8
66 30.2 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

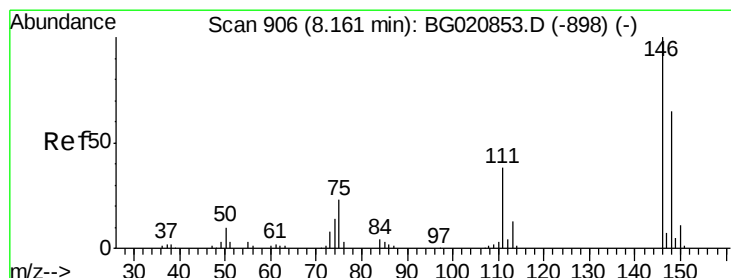
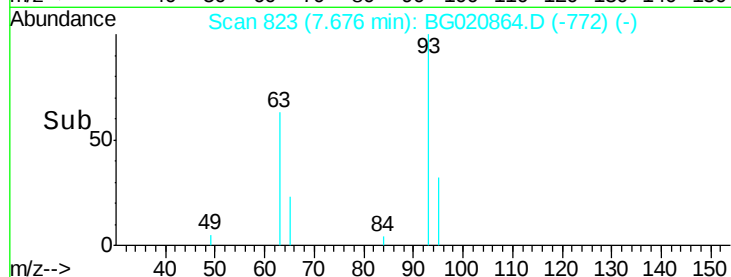
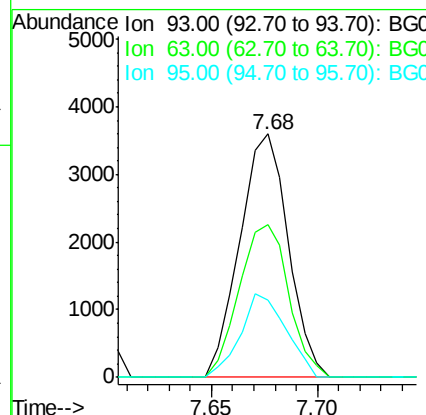
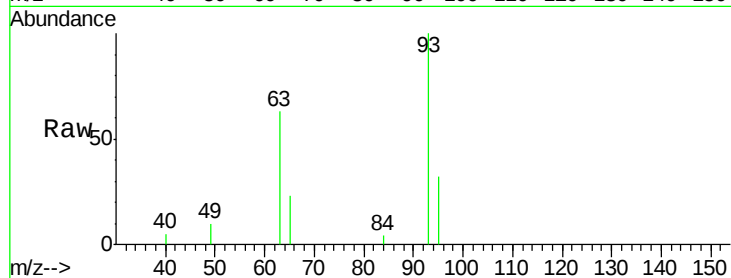




#11
 bis(2-Chloroethyl)ether
 Concen: 3.52 ng
 RT: 7.68 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

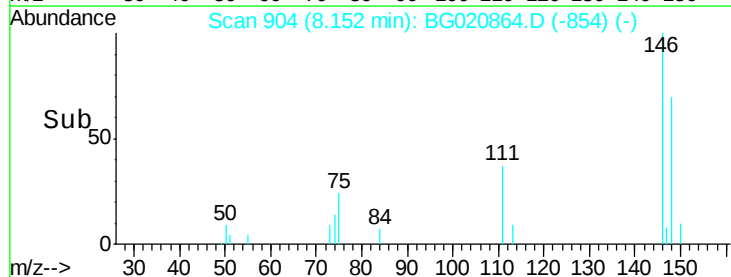
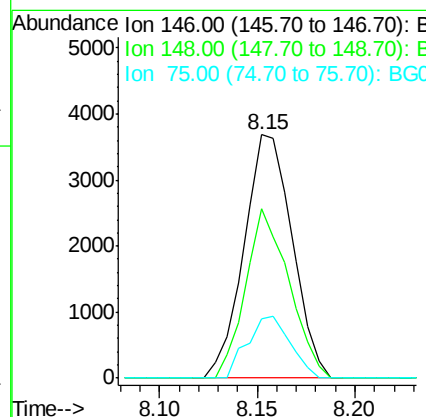
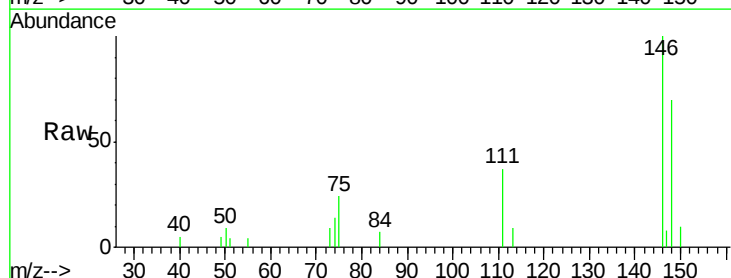
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

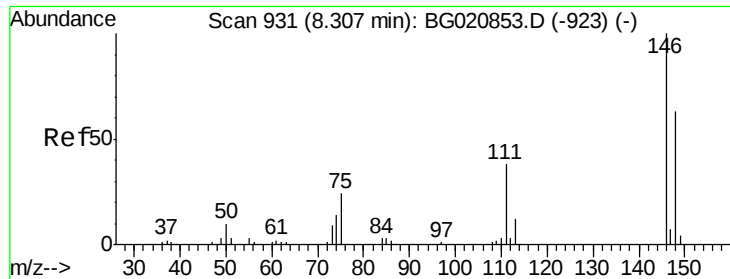
Tgt Ion: 93 Resp: 5714
 Ion Ratio Lower Upper
 93 100
 63 63.0 46.4 86.4
 95 31.8 12.1 52.1



#12
 1,3-Dichlorobenzene
 Concen: 3.63 ng
 RT: 8.15 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Tgt Ion: 146 Resp: 6304
 Ion Ratio Lower Upper
 146 100
 148 69.8 51.8 77.8
 75 24.4 18.7 28.1

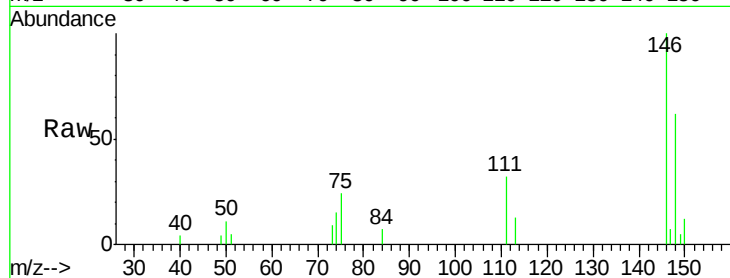




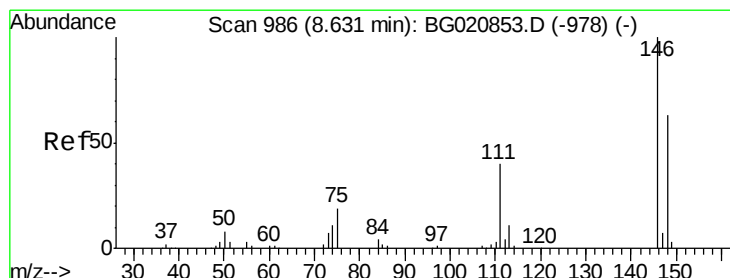
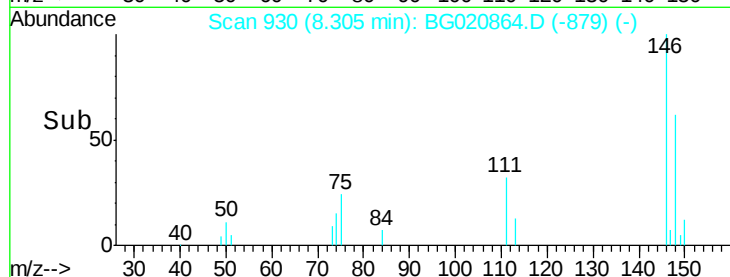
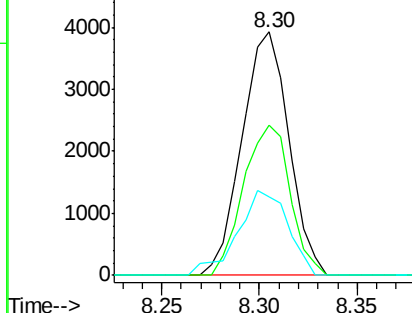
#13
 1,4-Dichlorobenzene
 Concen: 3.70 ng
 RT: 8.30 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:146 Resp: 6528
 Ion Ratio Lower Upper
 146 100
 148 61.8 50.8 76.2
 111 32.2 30.1 45.1

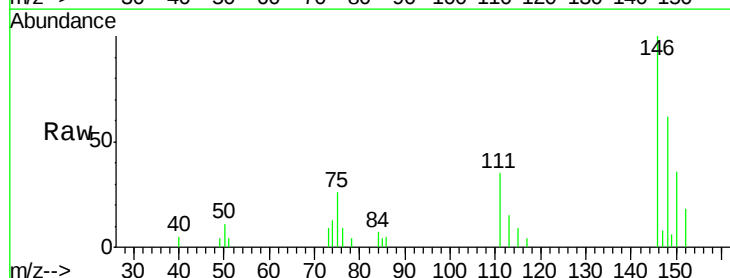


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

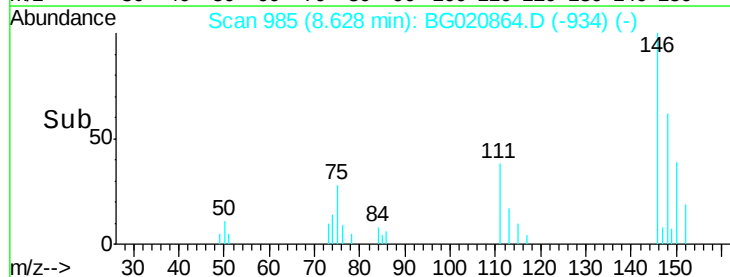
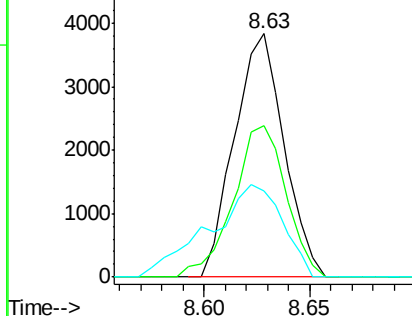


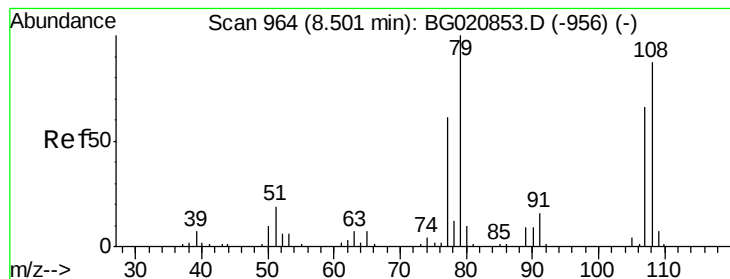
#14
 1,2-Dichlorobenzene
 Concen: 3.64 ng
 RT: 8.63 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Tgt Ion:146 Resp: 6241
 Ion Ratio Lower Upper
 146 100
 148 62.2 50.6 76.0
 111 35.1 32.6 48.8



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 3.97 ng

RT: 8.50 min Scan# 963

Delta R.T. -0.00 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

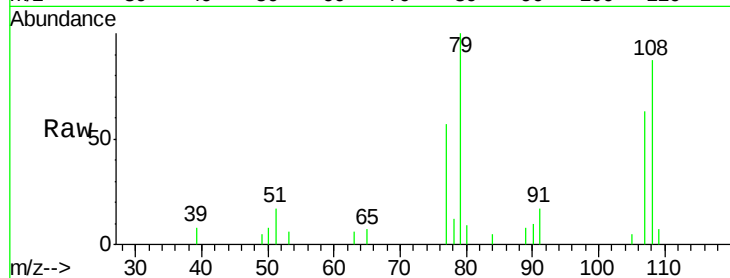
Tgt Ion: 79 Resp: 4816

Ion Ratio Lower Upper

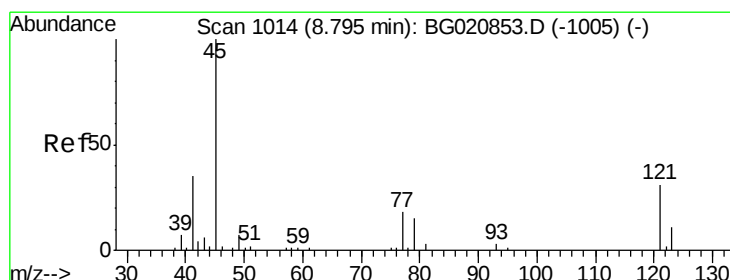
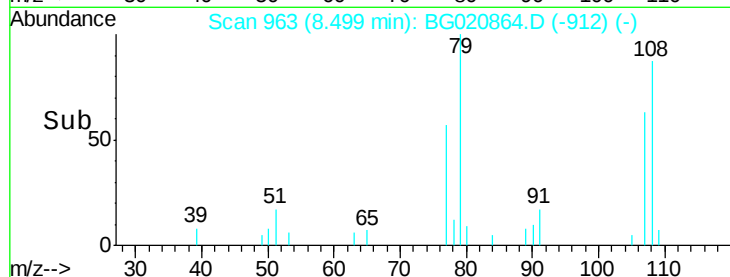
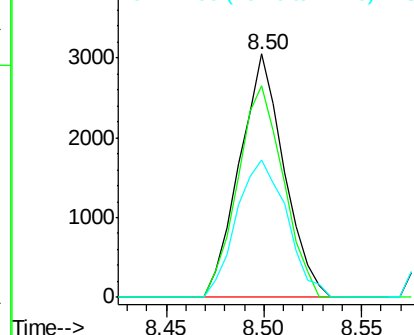
79 100

108 86.7 69.4 104.2

77 56.5 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: 3.48 ng

RT: 8.80 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

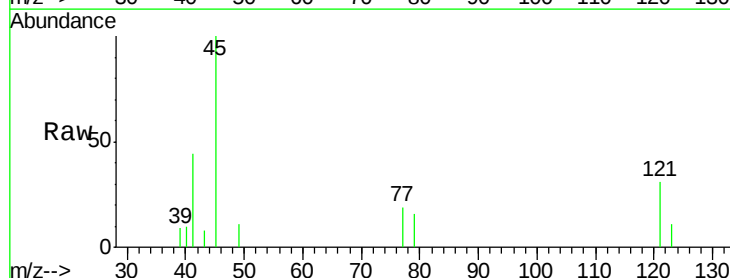
Tgt Ion: 45 Resp: 5906

Ion Ratio Lower Upper

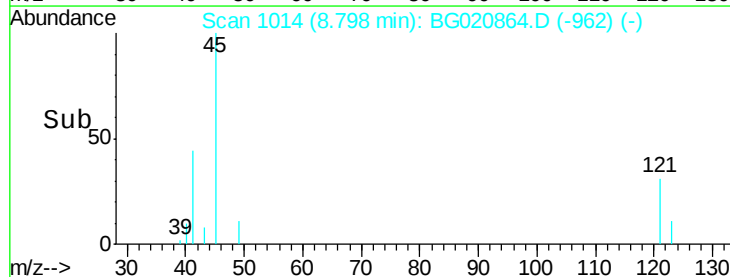
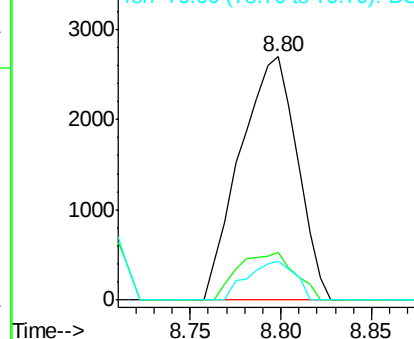
45 100

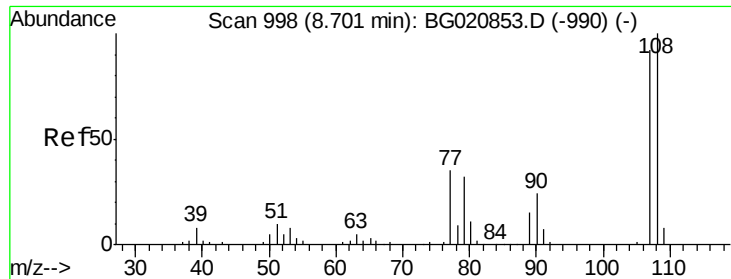
77 19.5 0.0 38.5

79 15.9 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

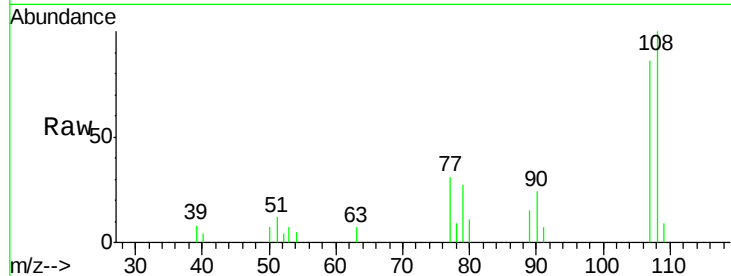




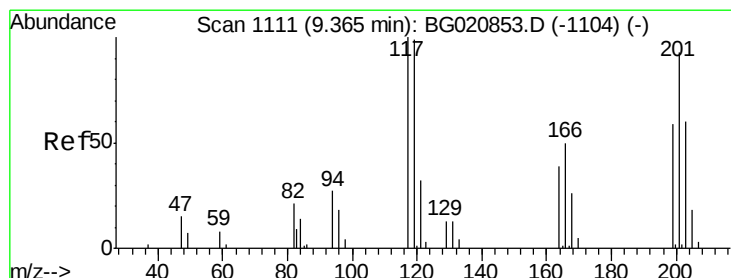
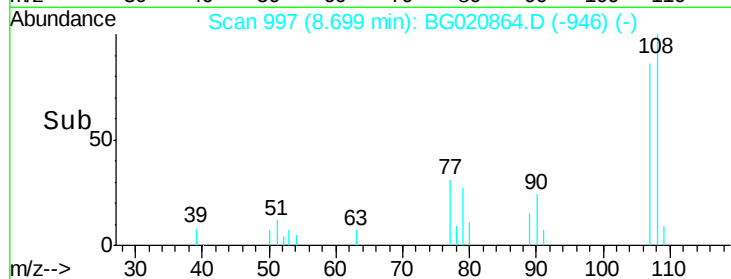
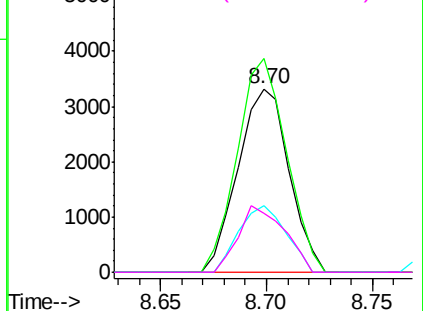
#17
2-Methylphenol
Concen: 3.80 ng
RT: 8.70 min Scan# 997
Delta R.T. -0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:107 Resp: 5572
Ion Ratio Lower Upper
107 100
108 116.4 87.0 130.4
77 36.3 30.1 45.1
79 32.0 27.4 41.2

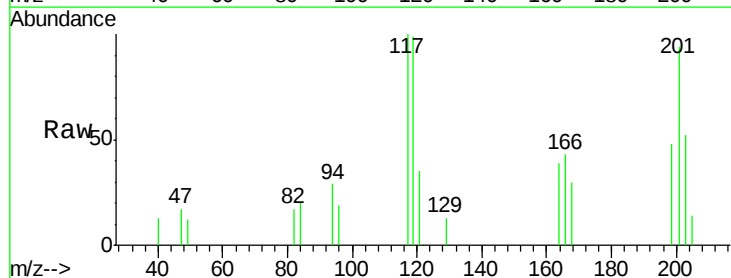


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

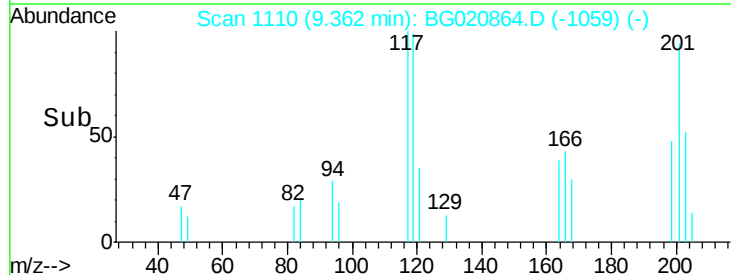
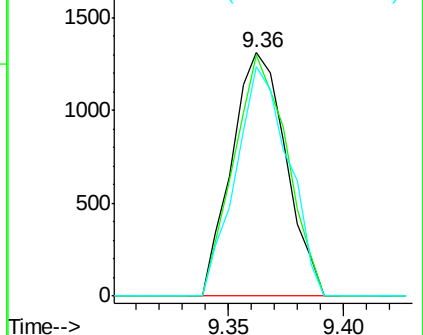


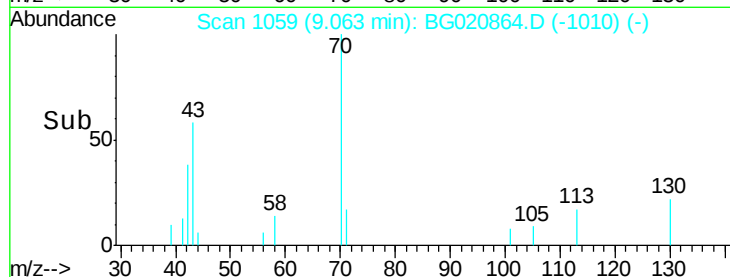
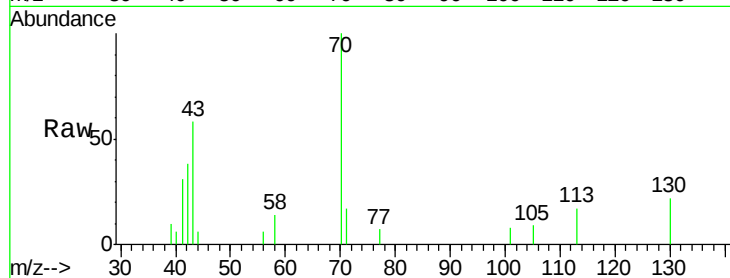
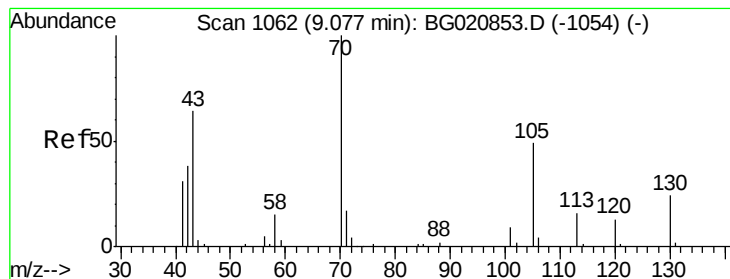
#18
Hexachloroethane
Concen: 3.53 ng
RT: 9.36 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Tgt Ion:117 Resp: 2138
Ion Ratio Lower Upper
117 100
119 99.1 79.6 119.4
201 94.4 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: 3.59 ng

RT: 9.06 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion: 70 Resp: 4456

Ion Ratio Lower Upper

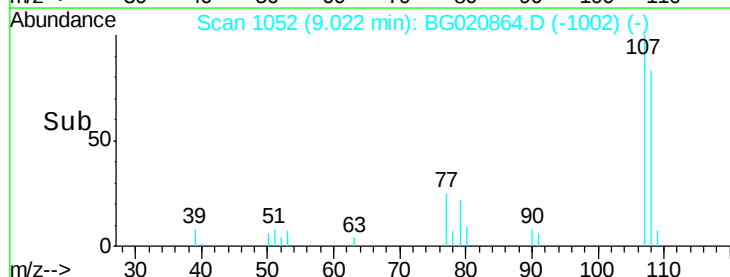
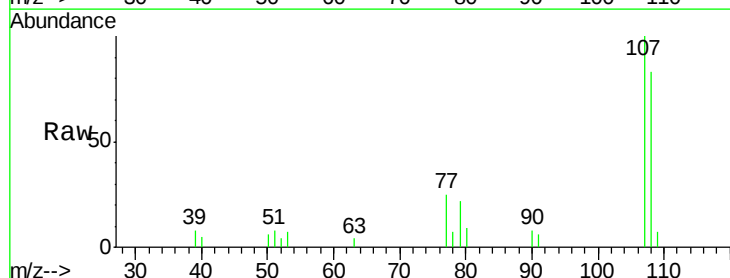
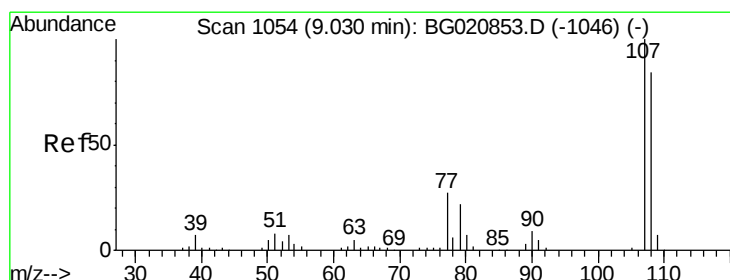
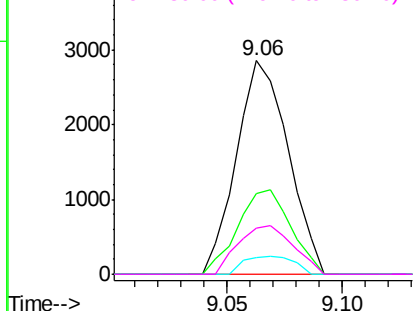
70 100

42 37.9 30.9 46.3

101 7.6 7.3 10.9

130 21.7 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: 3.98 ng

RT: 9.02 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

Tgt Ion: 107 Resp: 8138

Ion Ratio Lower Upper

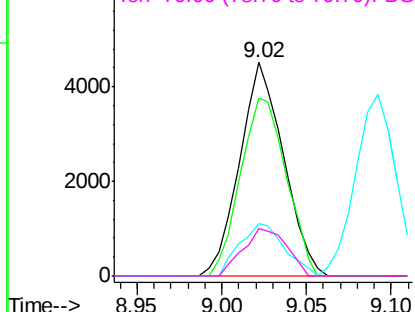
107 100

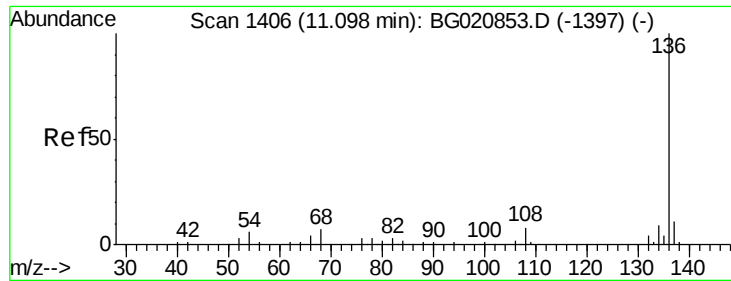
108 83.3 64.4 104.4

77 24.8 7.1 47.1

79 22.3 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

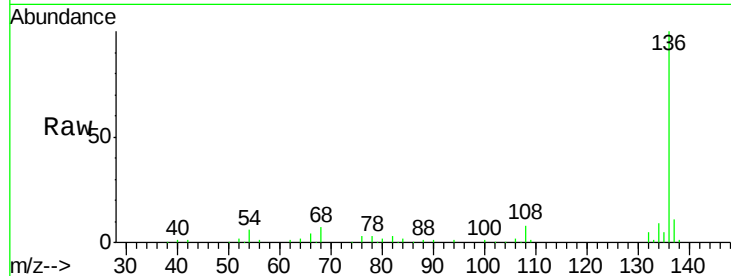




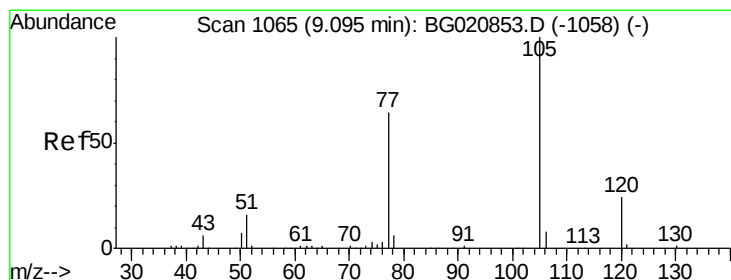
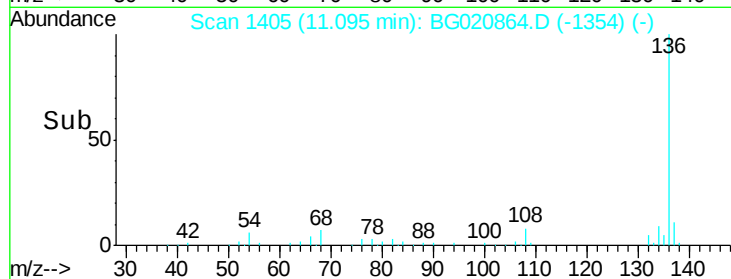
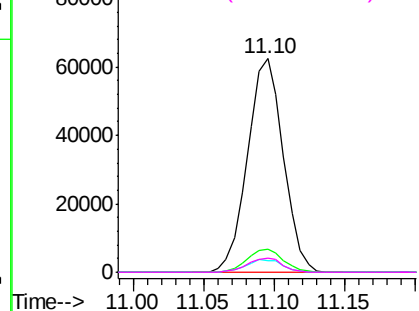
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.10 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:	136	Resp:	110632
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	5.7	5.0	7.4
68	6.6	5.2	7.8

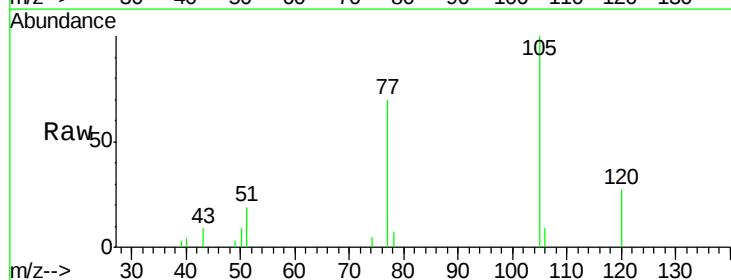


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

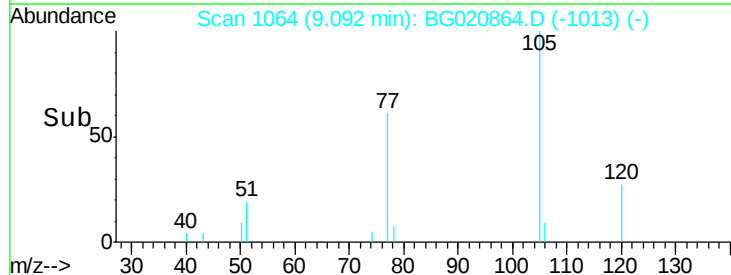
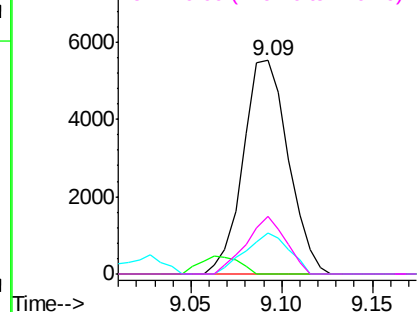


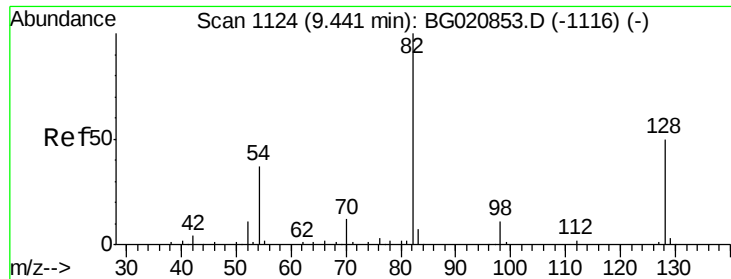
#22
Acetophenone
Concen: 3.59 ng
RT: 9.09 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Tgt Ion:	105	Resp:	9572
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.4	2.0#
51	19.1	13.7	20.5
120	27.2	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

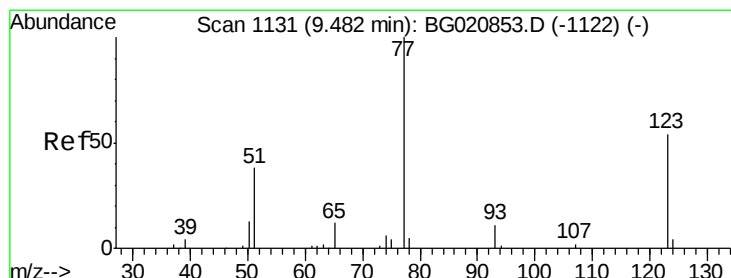
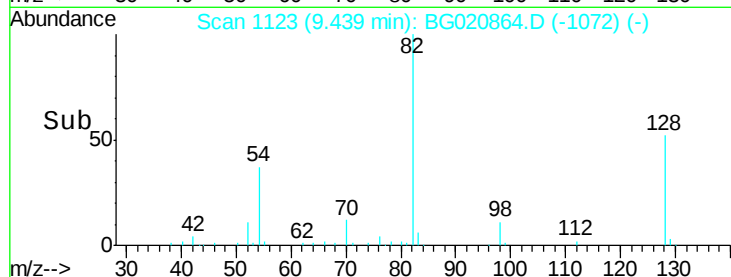
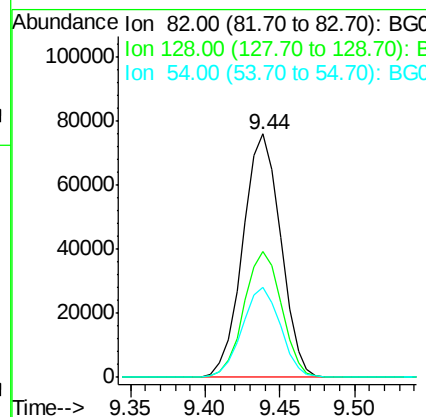
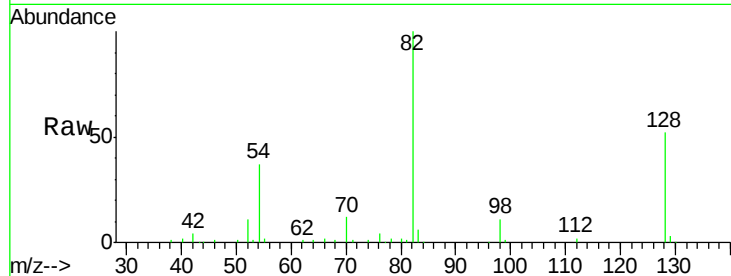




#23
 Nitrobenzene-d5
 Concen: 79.76 ng
 RT: 9.44 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

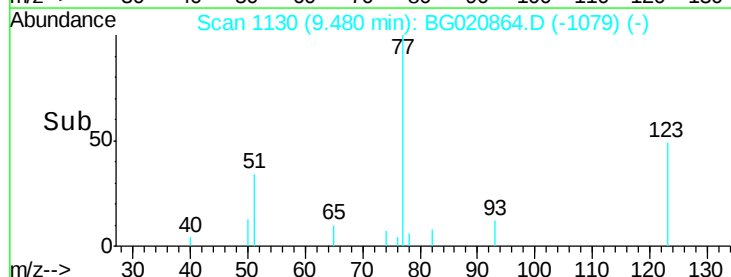
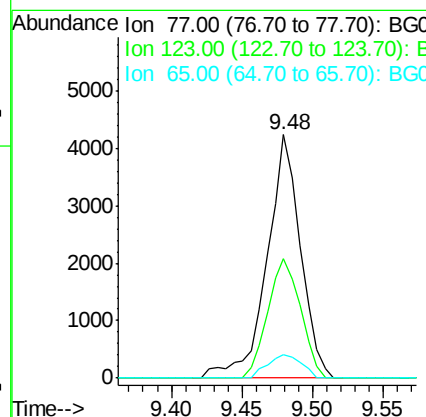
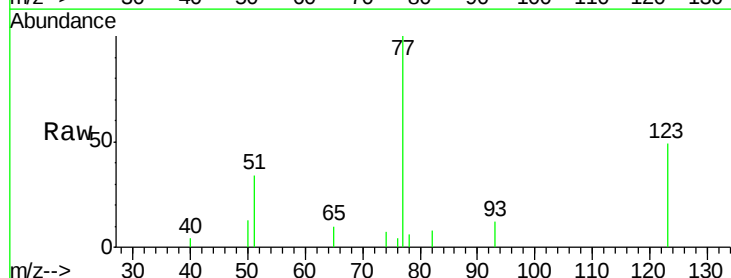
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

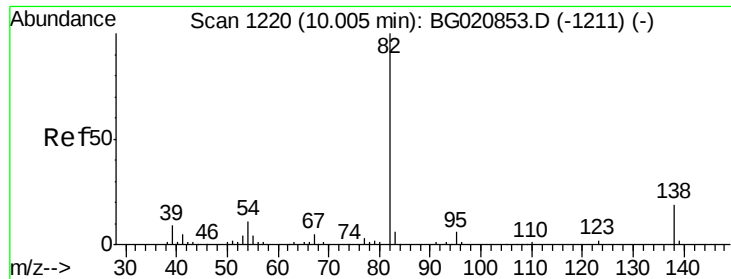
Tgt Ion: 82 Resp: 134206
 Ion Ratio Lower Upper
 82 100
 128 51.7 40.1 60.1
 54 37.2 29.5 44.3



#24
 Nitrobenzene
 Concen: 4.01 ng
 RT: 9.48 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Tgt Ion: 77 Resp: 7028
 Ion Ratio Lower Upper
 77 100
 123 48.9 43.2 64.8
 65 9.7 9.2 13.8





#25

Isophorone

Concen: 3.54 ng

RT: 10.00 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

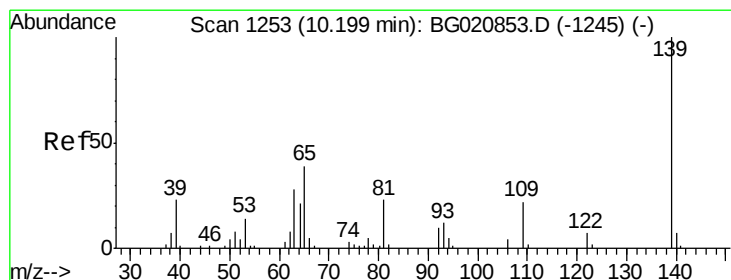
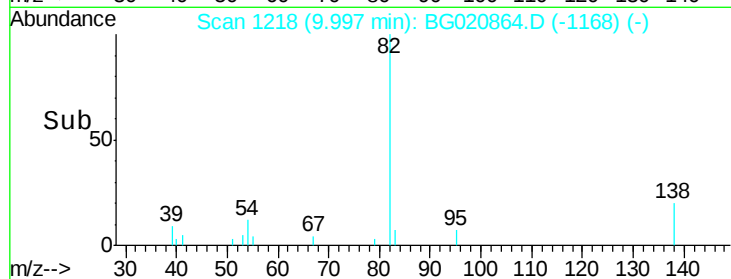
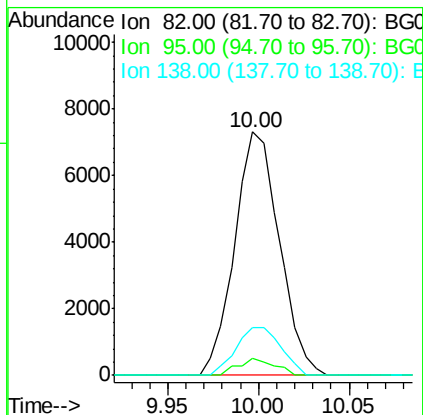
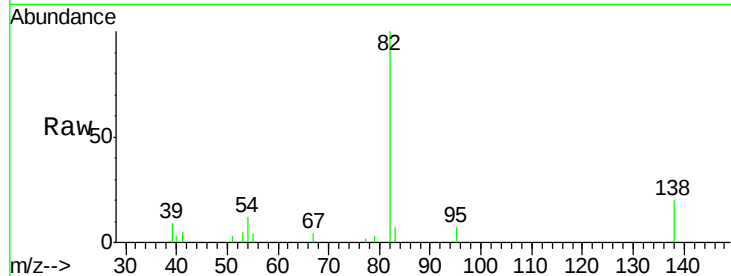
Tgt Ion: 82 Resp: 12566

Ion Ratio Lower Upper

82 100

95 6.9 4.8 7.2

138 19.7 15.4 23.0



#26

2-Nitrophenol

Concen: 3.00 ng

RT: 10.20 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

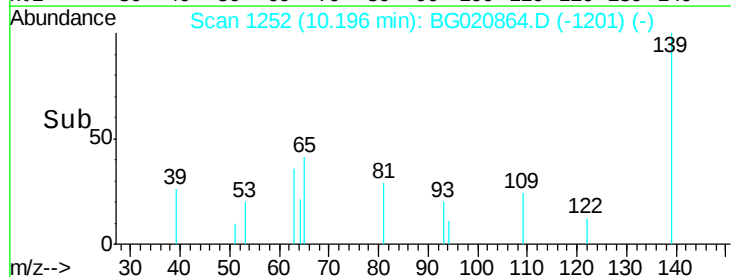
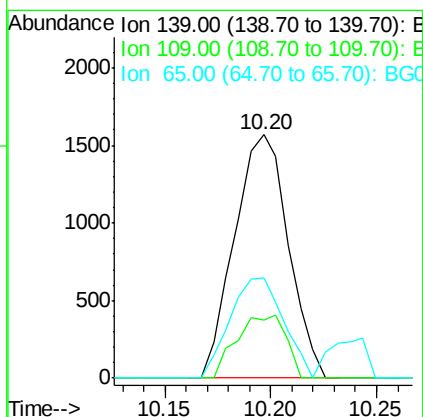
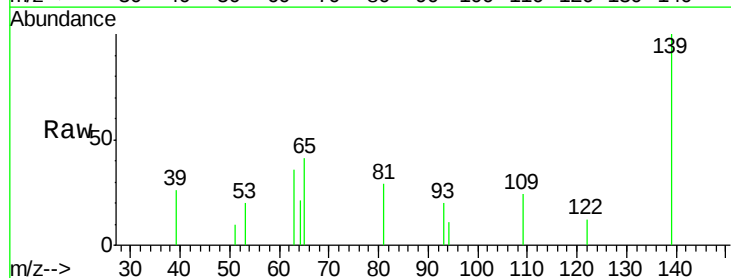
Tgt Ion: 139 Resp: 2770

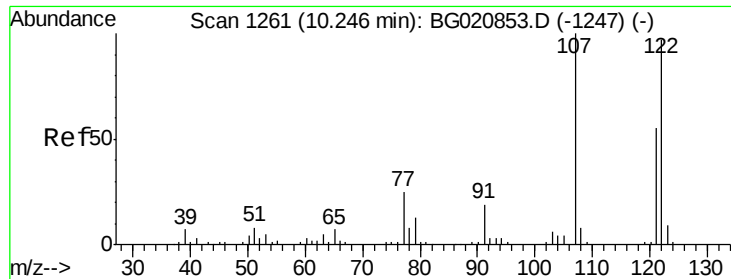
Ion Ratio Lower Upper

139 100

109 23.9 17.6 26.4

65 41.3 31.0 46.6

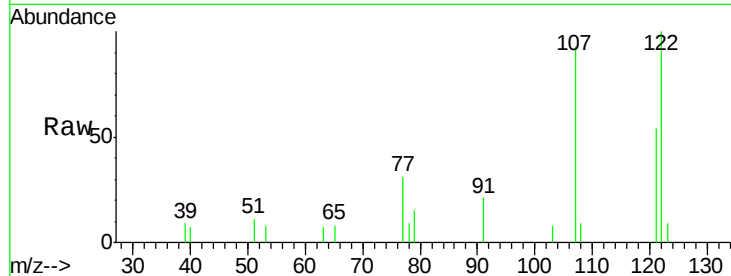




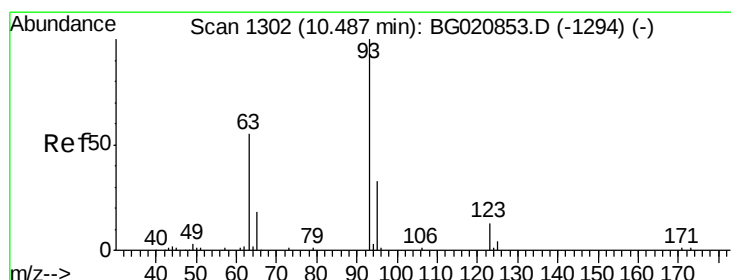
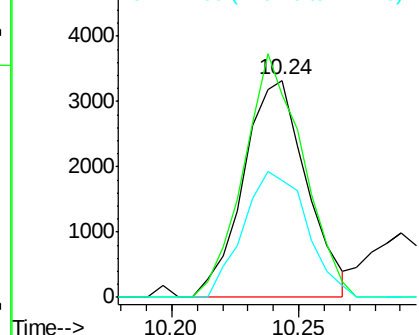
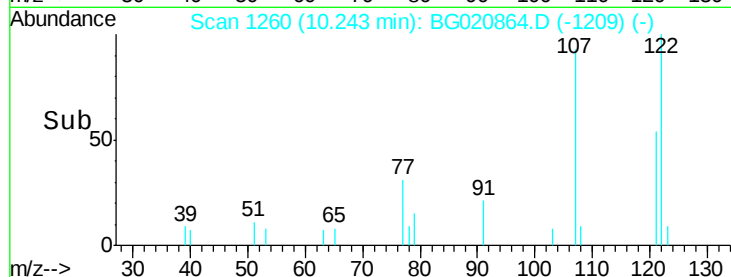
#27
2,4-Dimethylphenol
Concen: 3.25 ng
RT: 10.24 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:122 Resp: 5754
Ion Ratio Lower Upper
122 100
107 93.3 82.6 124.0
121 53.7 45.6 68.4

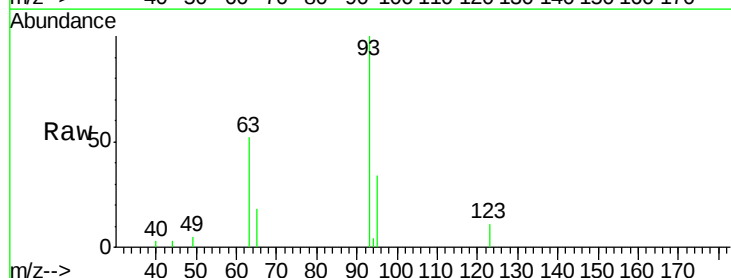


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

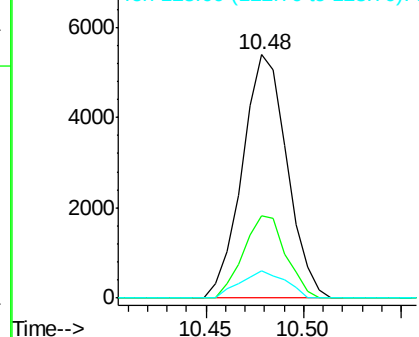
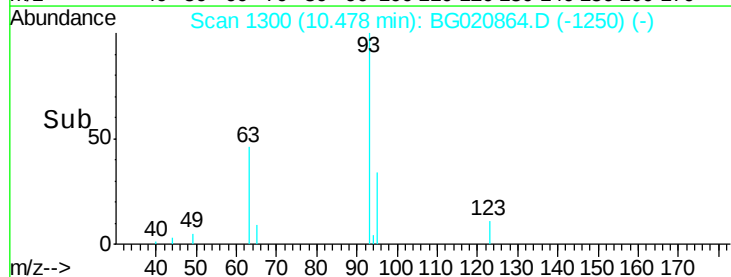


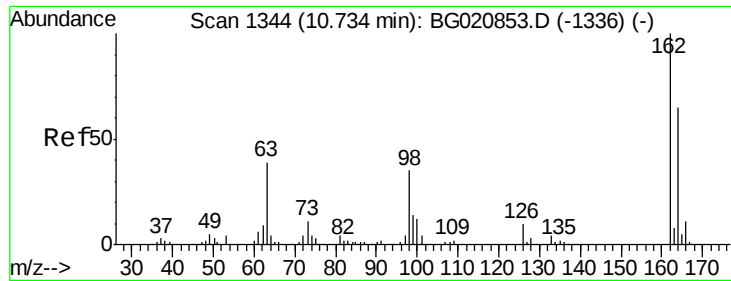
#28
bis(2-Chloroethoxy)methane
Concen: 3.90 ng
RT: 10.48 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Tgt Ion: 93 Resp: 8533
Ion Ratio Lower Upper
93 100
95 33.9 26.2 39.2
123 11.3 10.0 15.0



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 123.00 (122.70 to 123.70): E

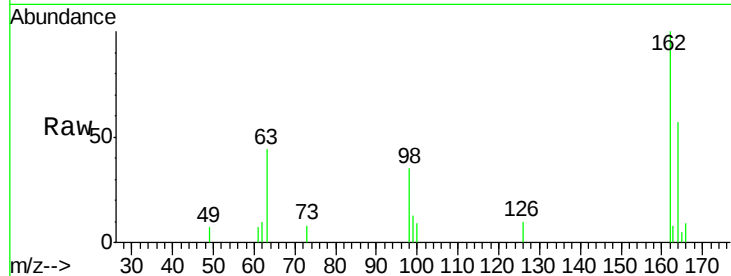




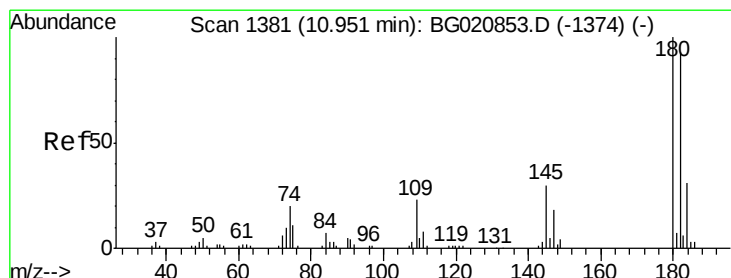
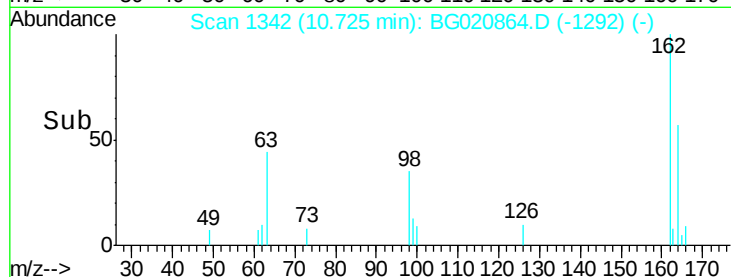
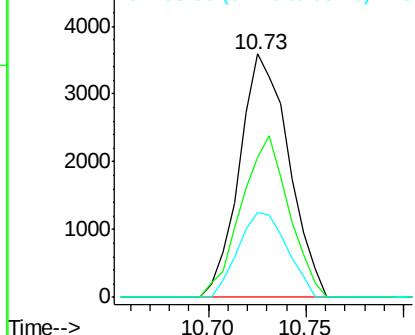
#29
2,4-Dichlorophenol
Concen: 3.96 ng
RT: 10.73 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:162 Resp: 6272
Ion Ratio Lower Upper
162 100
164 57.3 44.5 84.5
98 34.9 14.9 54.9

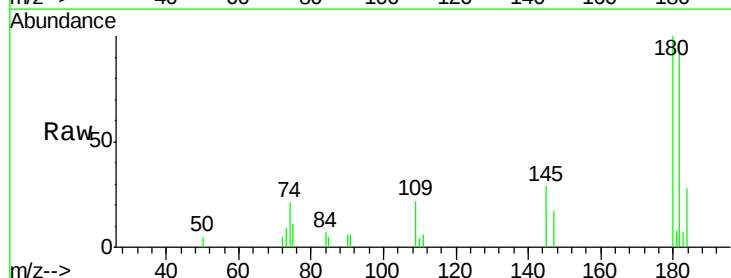


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): B

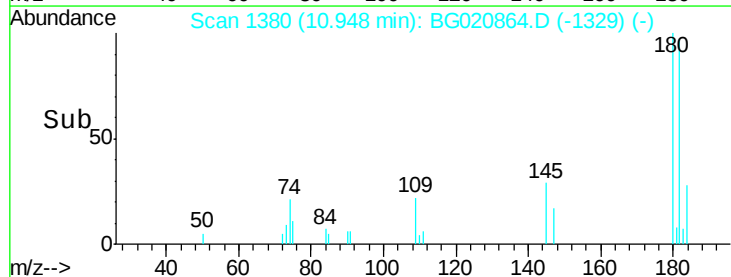
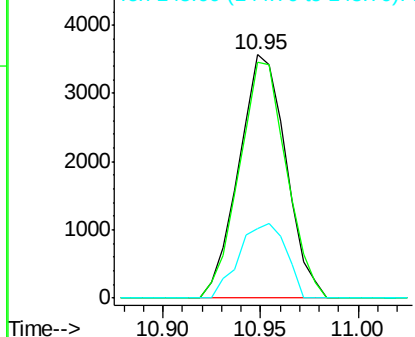


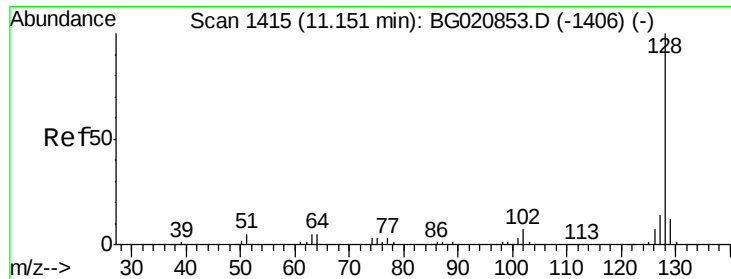
#30
1,2,4-Trichlorobenzene
Concen: 3.73 ng
RT: 10.95 min Scan# 1380
Delta R.T. -0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Tgt Ion:180 Resp: 5964
Ion Ratio Lower Upper
180 100
182 96.9 74.1 111.1
145 28.8 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

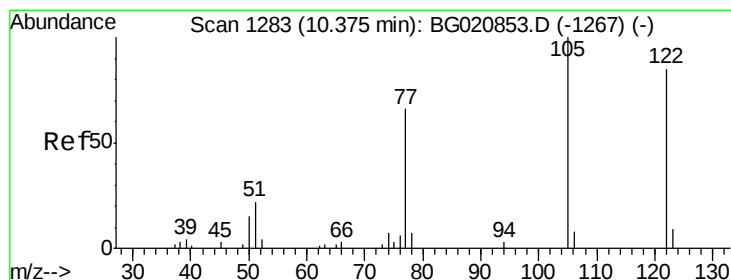
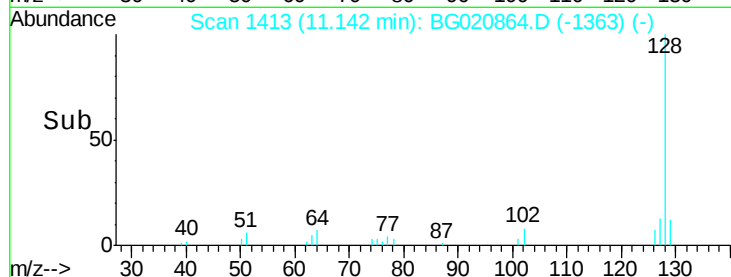
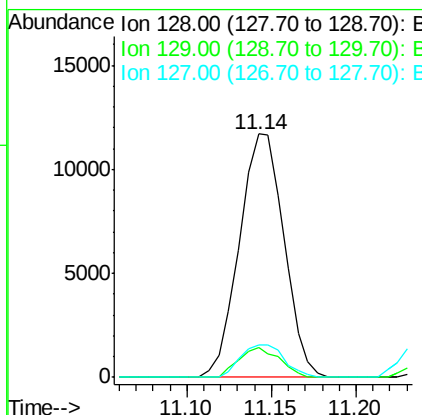
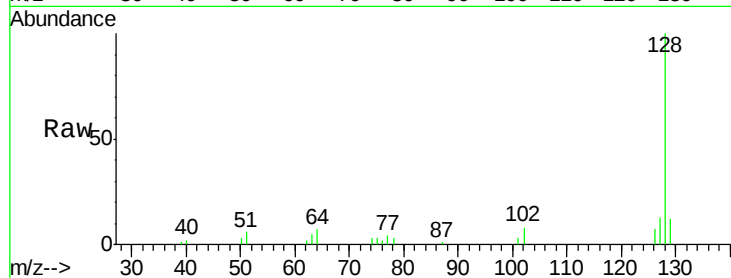




#31
Naphthalene
Concen: 3.76 ng
RT: 11.14 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

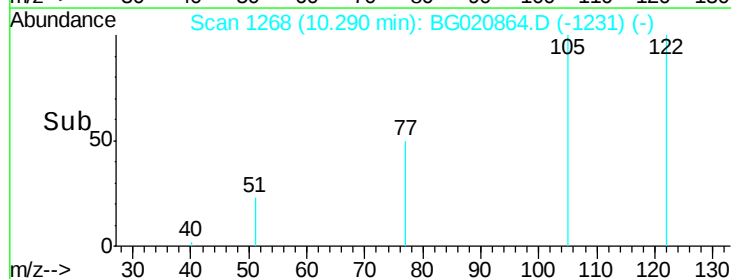
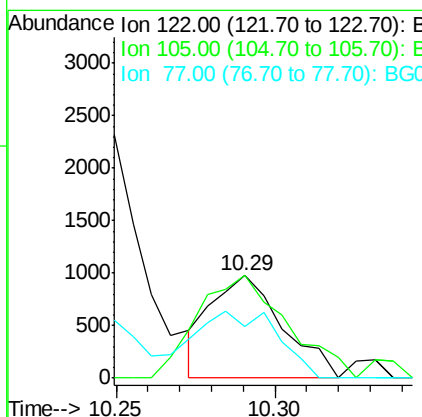
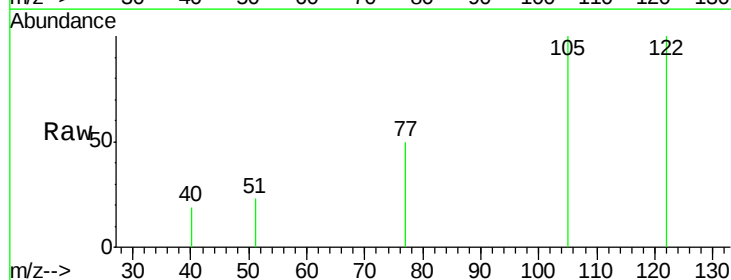
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

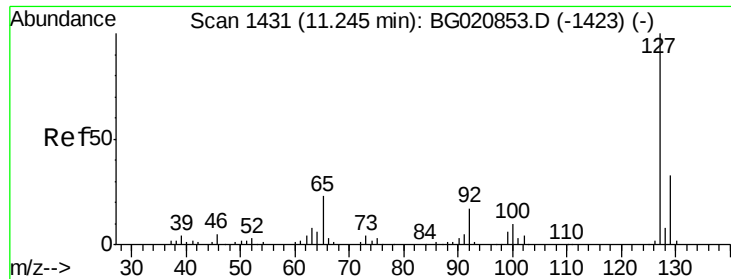
Tgt Ion:128 Resp: 21507
Ion Ratio Lower Upper
128 100
129 12.2 9.3 13.9
127 13.4 11.4 17.2



#32
Benzoic acid
Concen: 1.08 ng
RT: 10.29 min Scan# 1268
Delta R.T. -0.08 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Tgt Ion:122 Resp: 1530
Ion Ratio Lower Upper
122 100
105 100.2 94.0 134.0
77 50.6 56.8 96.8#

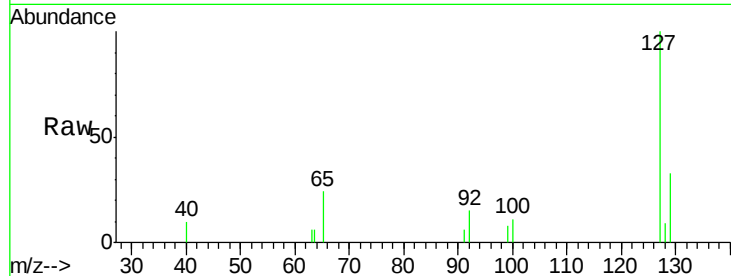




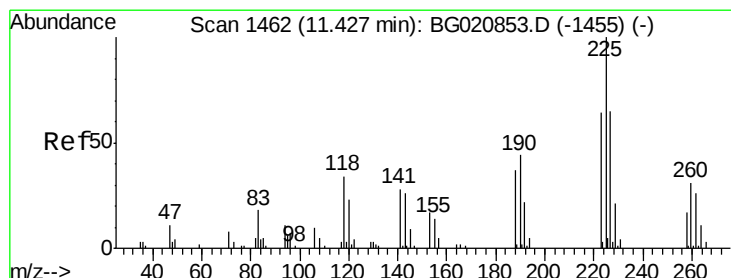
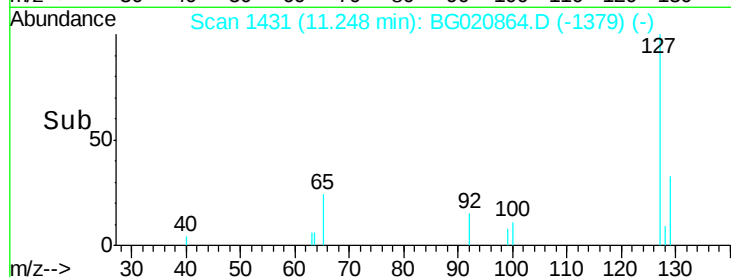
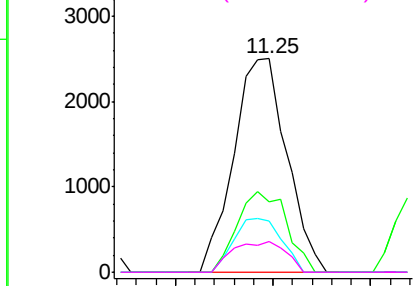
#33
4-Chloroaniline
Concen: 1.91 ng
RT: 11.25 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:	127	Resp:	4700
Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.2	39.4
65	23.8	18.6	27.8
92	14.6	13.3	19.9

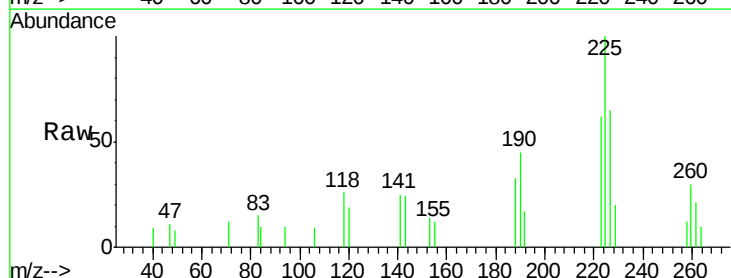


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

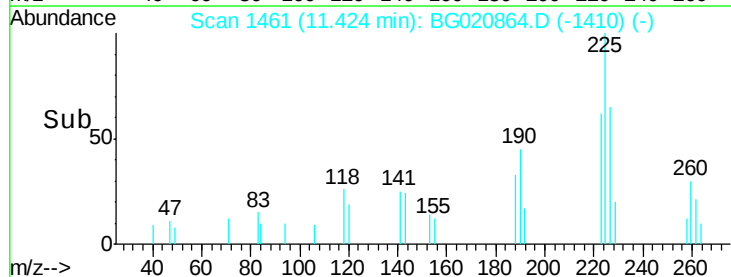
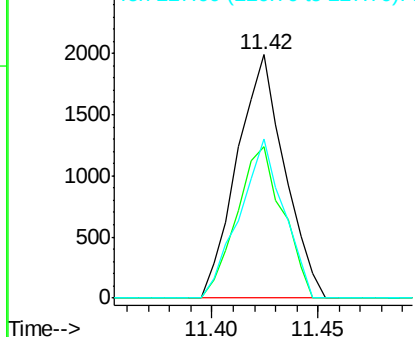


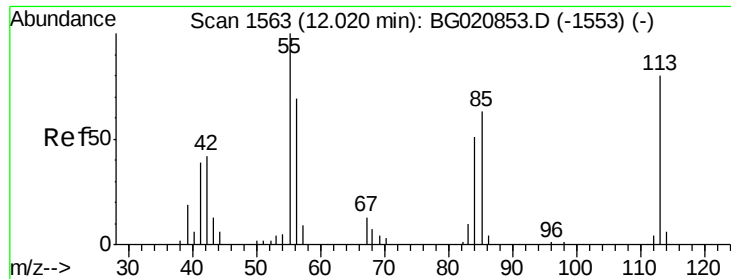
#34
Hexachlorobutadiene
Concen: 3.81 ng
RT: 11.42 min Scan# 1461
Delta R.T. -0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Tgt Ion:	225	Resp:	3100
Ion	Ratio	Lower	Upper
225	100		
223	62.2	51.0	76.6
227	65.1	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: 3.47 ng

RT: 11.98 min Scan# 1556

Delta R.T. -0.04 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

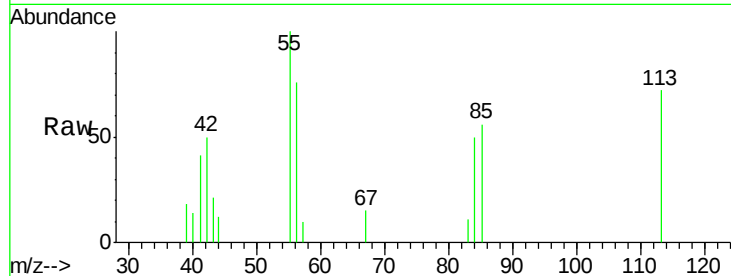
Tgt Ion:113 Resp: 2107

Ion Ratio Lower Upper

113 100

55 139.1 104.4 144.4

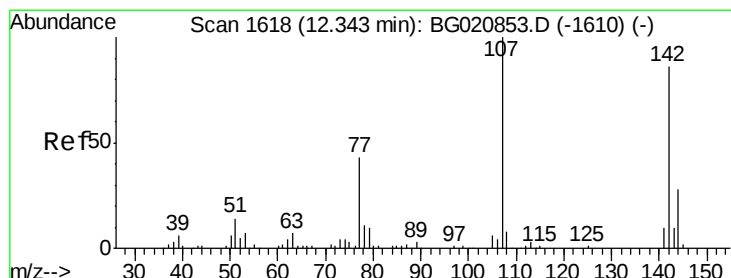
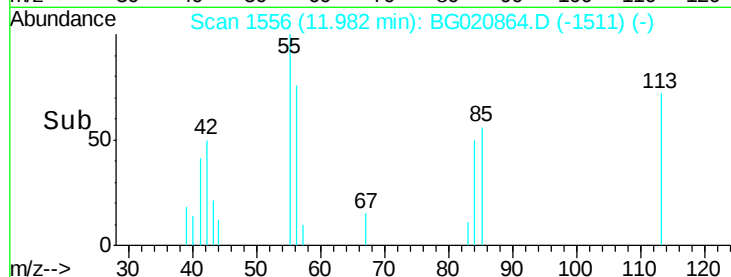
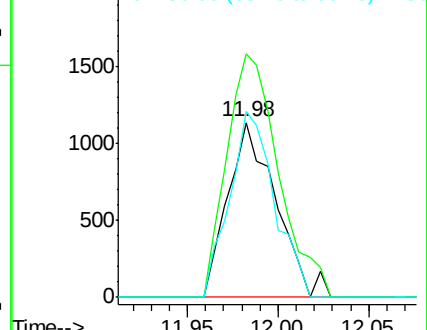
56 106.2 65.4 105.4#



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: 3.92 ng

RT: 12.33 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

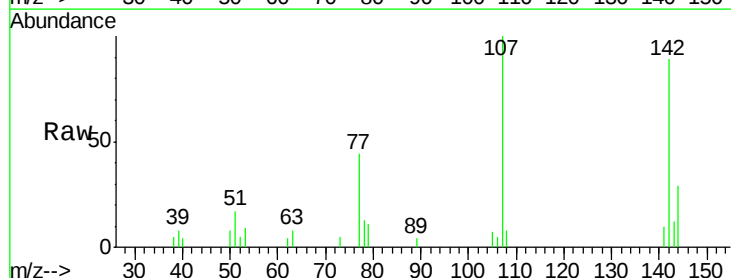
Tgt Ion:107 Resp: 7125

Ion Ratio Lower Upper

107 100

144 29.4 22.4 33.6

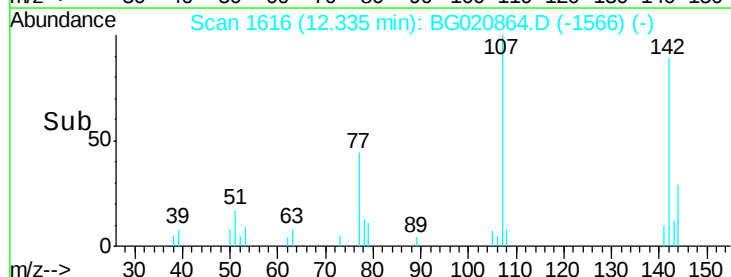
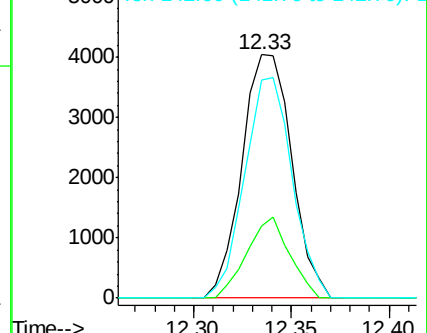
142 89.3 68.6 103.0

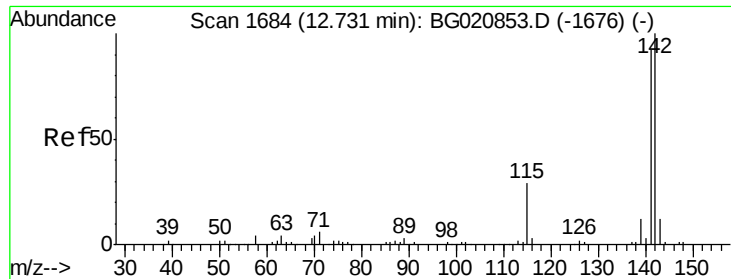


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

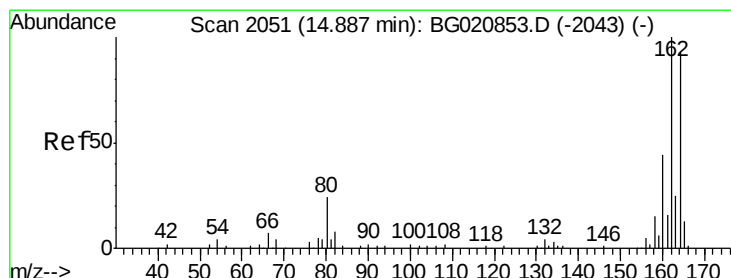
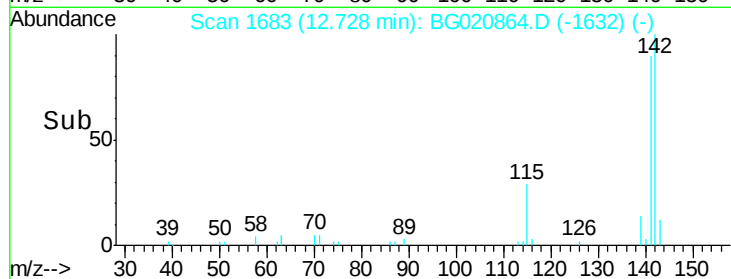
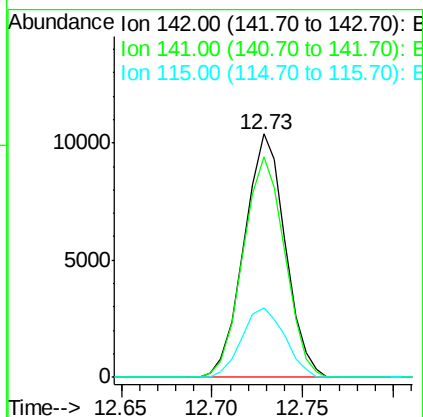
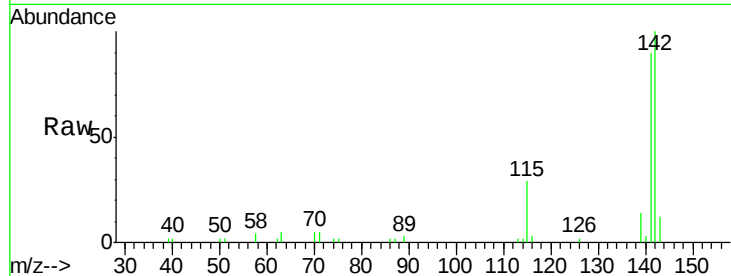




#37
 2-Methylnaphthalene
 Concen: 4.08 ng
 RT: 12.73 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

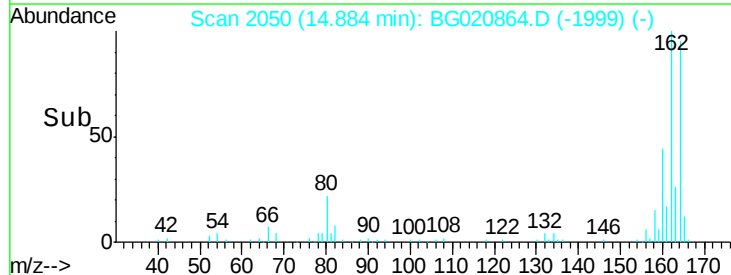
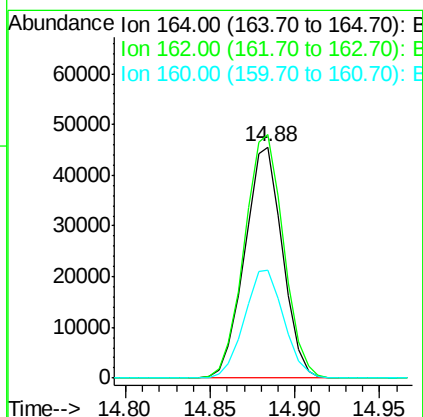
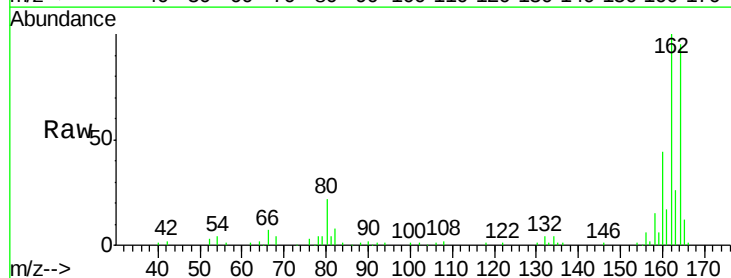
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

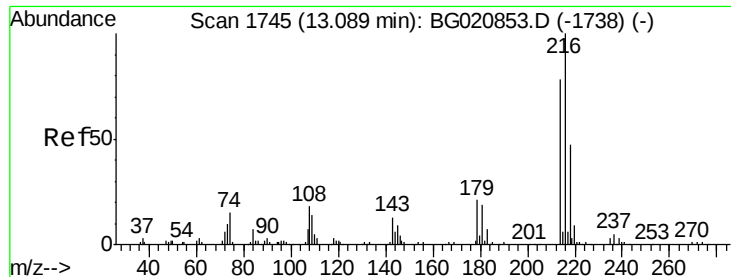
Tgt Ion:142 Resp: 16371
 Ion Ratio Lower Upper
 142 100
 141 90.4 73.4 110.2
 115 28.7 23.0 34.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.88 min Scan# 2050
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Tgt Ion:164 Resp: 70748
 Ion Ratio Lower Upper
 164 100
 162 105.2 85.7 128.5
 160 46.6 37.4 56.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 3.26 ng

RT: 13.09 min Scan# 1744

Delta R.T. -0.00 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:216 Resp: 6772

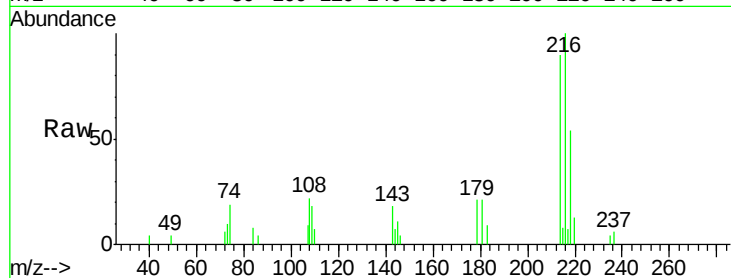
Ion Ratio Lower Upper

216 100

214 81.5 61.9 92.9

179 20.4 16.5 24.7

108 17.9 15.1 22.7

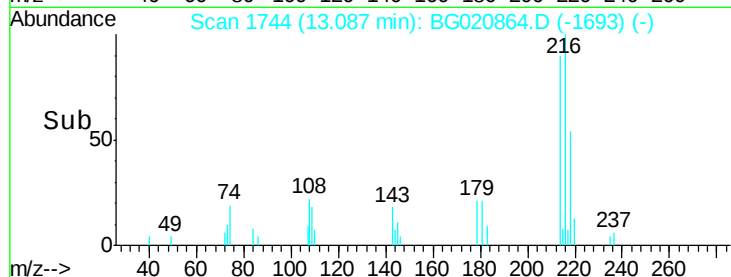


Abundance Ion 216.00 (215.70 to 216.70): E

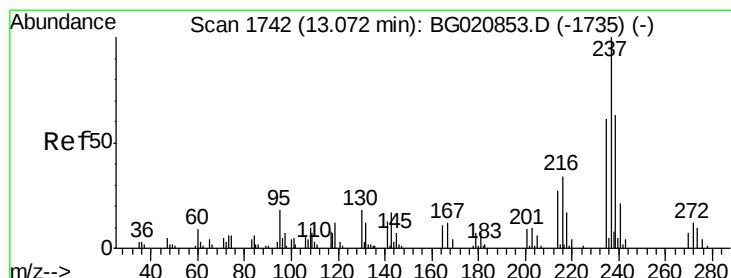
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 2.05 ng

RT: 13.07 min Scan# 1741

Delta R.T. -0.00 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

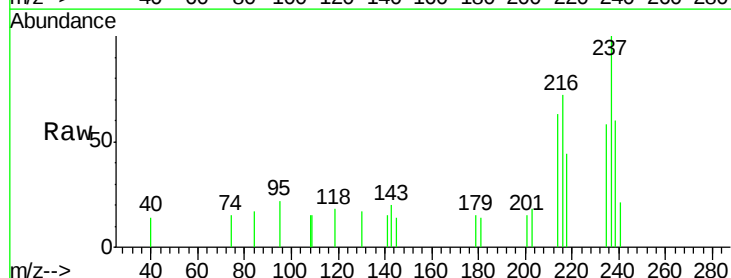
Tgt Ion:237 Resp: 1869

Ion Ratio Lower Upper

237 100

235 57.9 40.8 80.8

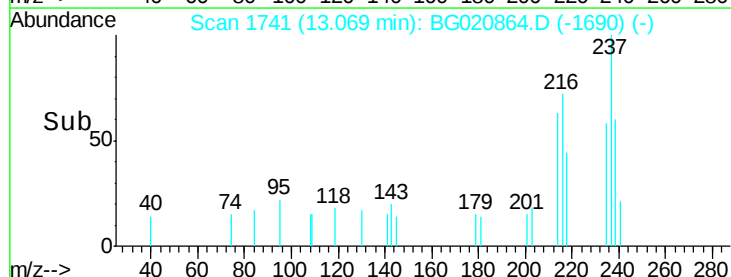
272 0.0 0.0 32.3



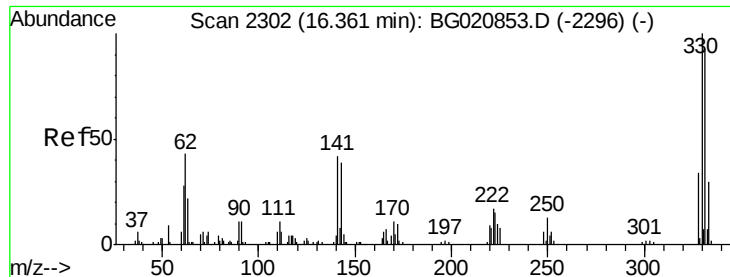
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



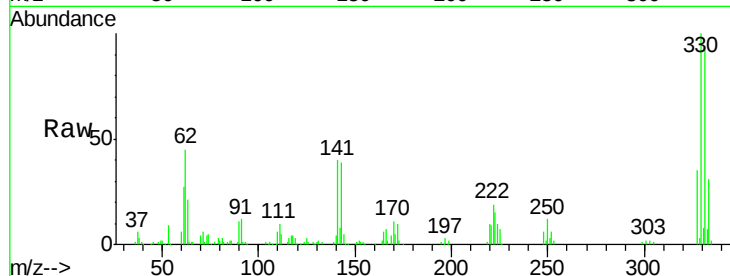
Time-->



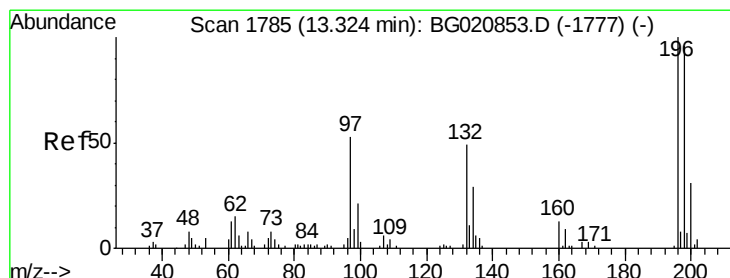
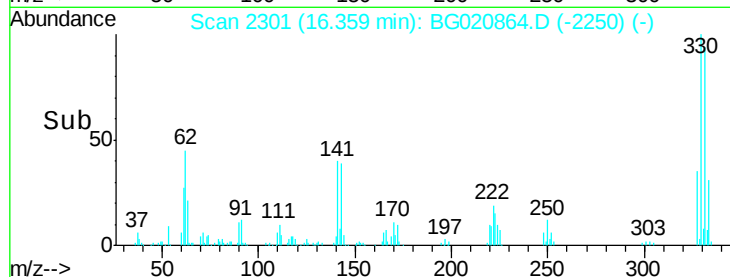
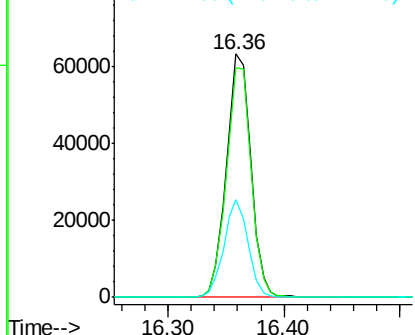
#41
 2,4,6-Tribromophenol
 Concen: 134.08 ng
 RT: 16.36 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:330 Resp: 93283
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.1 114.1
 141 38.9 32.0 48.0

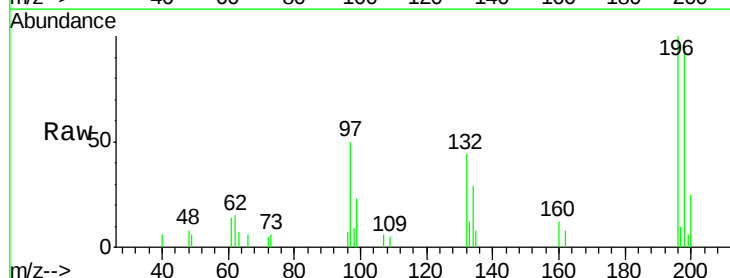


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

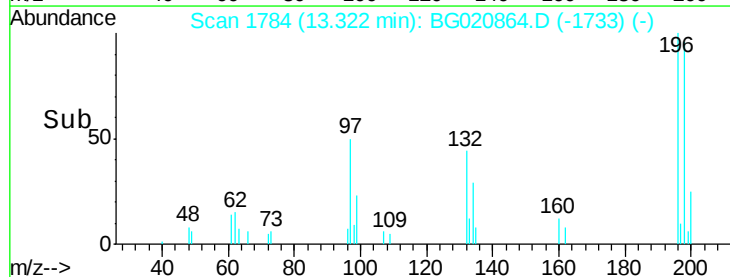
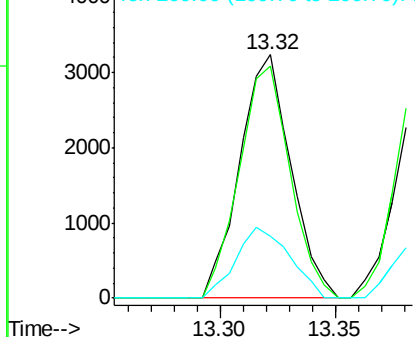


#42
 2,4,6-Trichlorophenol
 Concen: 3.59 ng
 RT: 13.32 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Tgt Ion:196 Resp: 5003
 Ion Ratio Lower Upper
 196 100
 198 95.6 77.1 115.7
 200 25.4 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

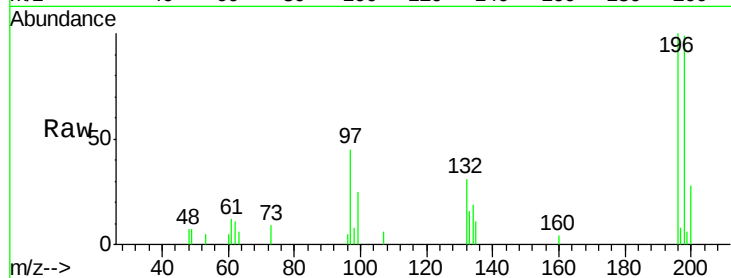




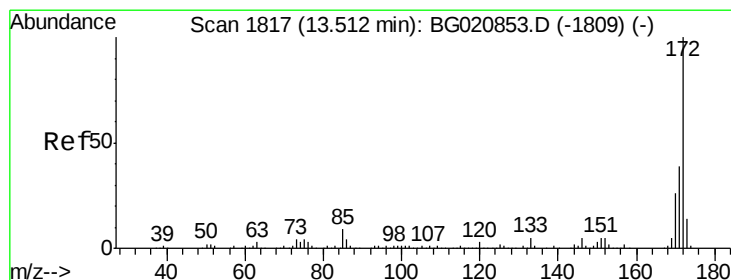
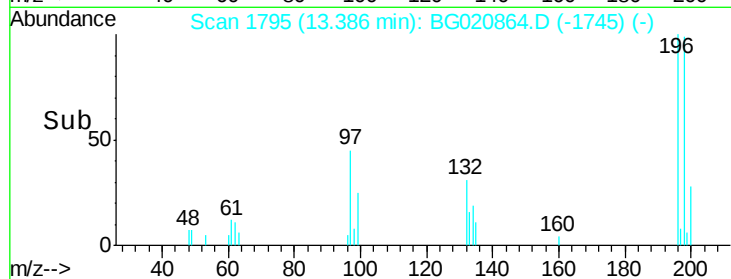
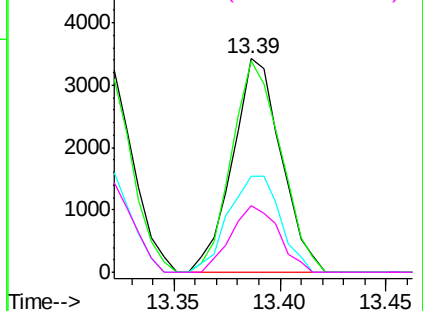
#43
 2,4,5-Trichlorophenol
 Concen: 3.72 ng
 RT: 13.39 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:196 Resp: 5449
 Ion Ratio Lower Upper
 196 100
 198 98.8 76.4 114.6
 97 44.8 37.4 56.0
 132 31.2 24.7 37.1

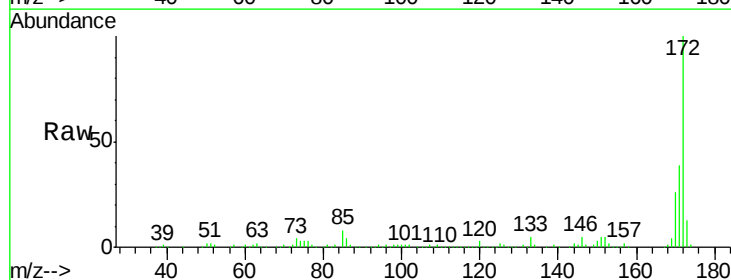


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

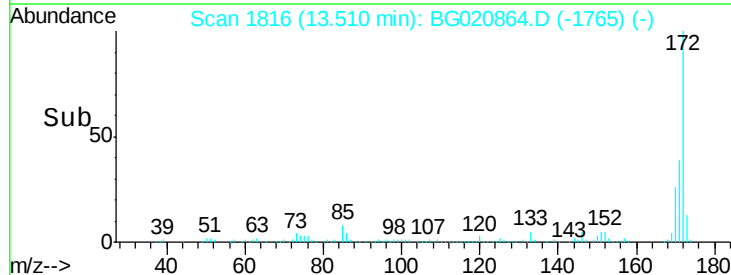
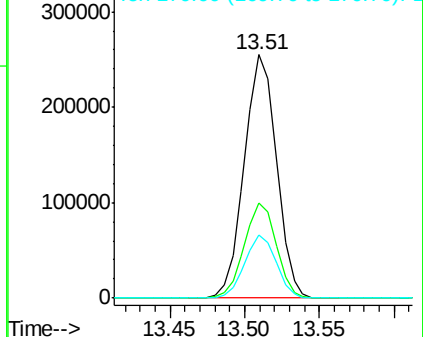


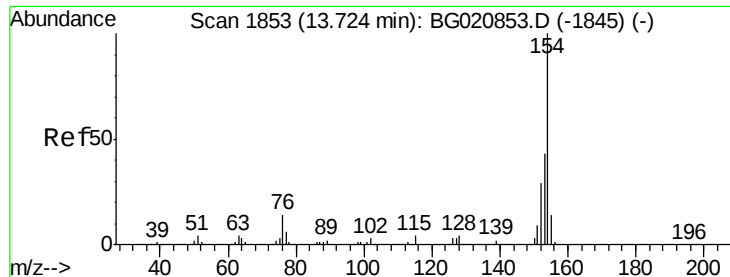
#44
 2-Fluorobiphenyl
 Concen: 75.60 ng
 RT: 13.51 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Tgt Ion:172 Resp: 380756
 Ion Ratio Lower Upper
 172 100
 171 39.0 31.2 46.8
 170 25.9 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

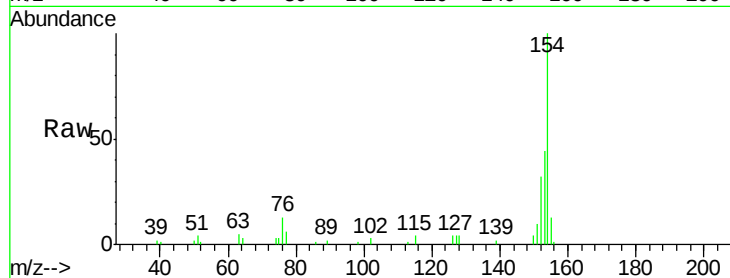




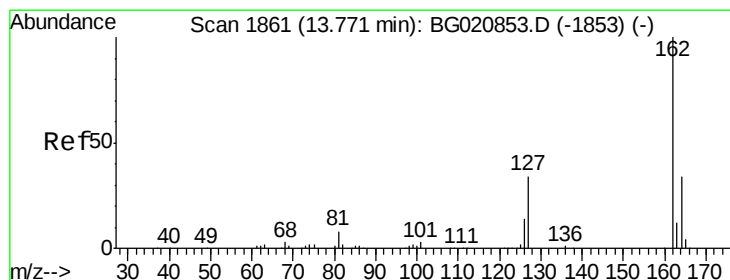
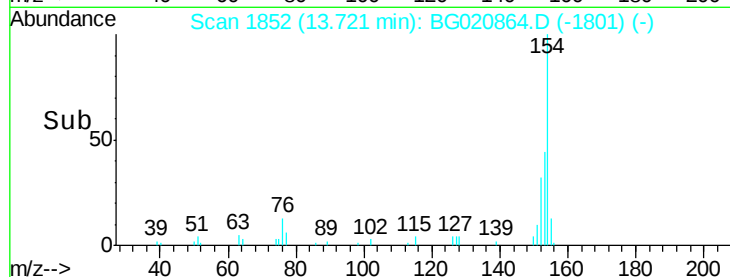
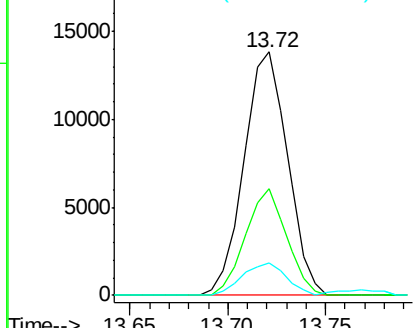
#45
1,1'-Biphenyl
Concen: 3.42 ng
RT: 13.72 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:154 Resp: 21355
Ion Ratio Lower Upper
154 100
153 44.0 22.5 62.5
76 13.2 0.0 33.8

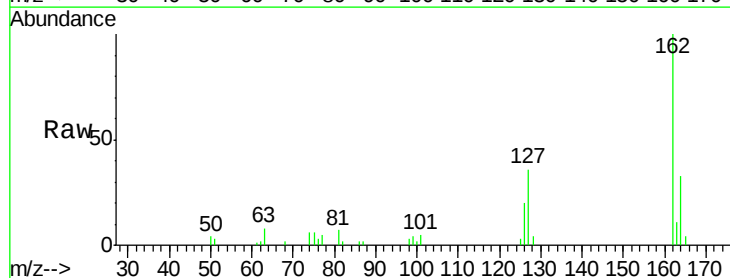


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): B

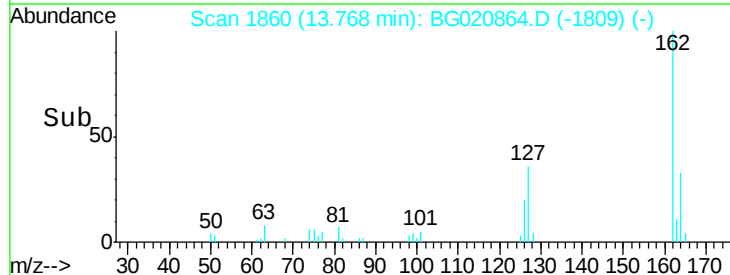
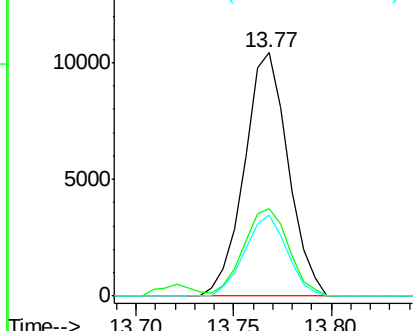


#46
2-Chloronaphthalene
Concen: 3.62 ng
RT: 13.77 min Scan# 1860
Delta R.T. -0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Tgt Ion:162 Resp: 16171
Ion Ratio Lower Upper
162 100
127 36.2 30.6 45.8
164 33.2 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

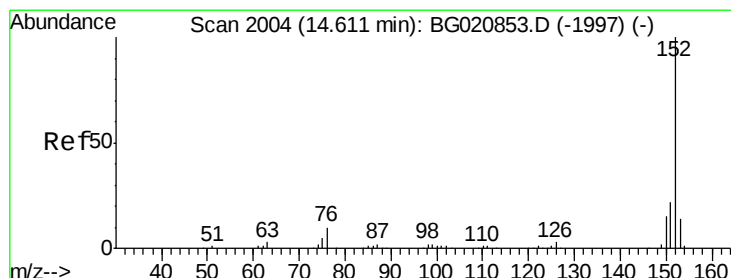
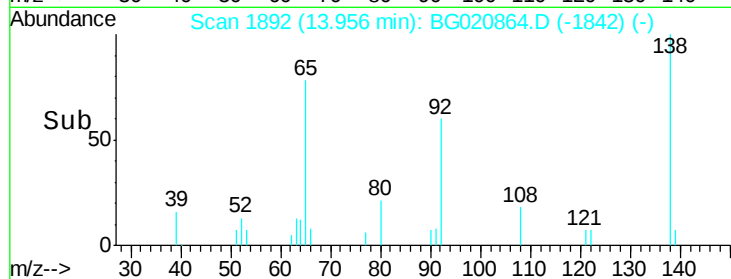
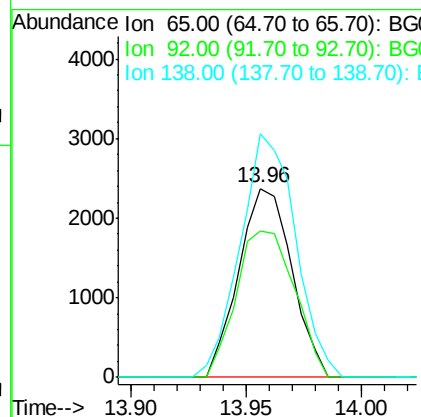
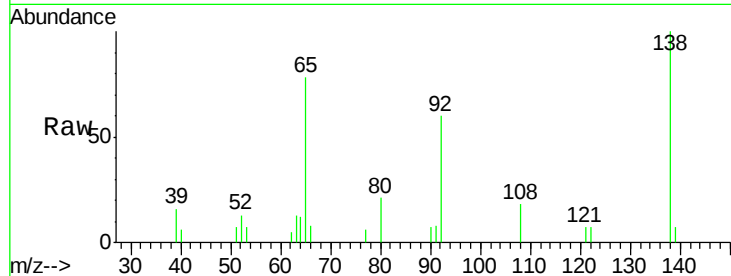




#47
 2-Nitroaniline
 Concen: 3.55 ng
 RT: 13.96 min Scan# 1892
 Delta R.T. -0.01 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

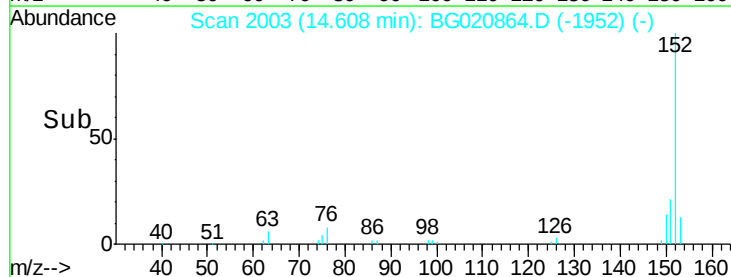
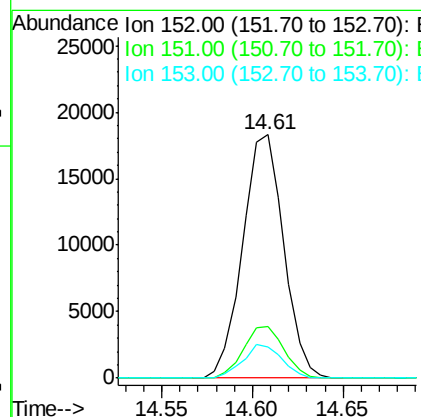
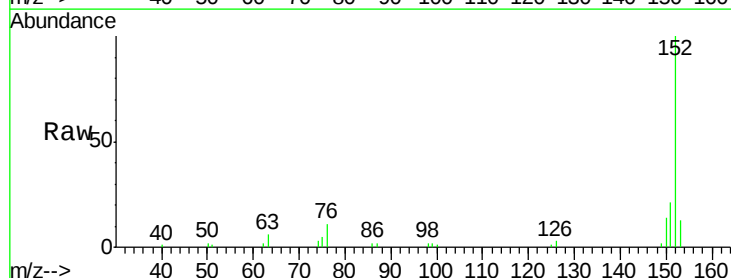
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

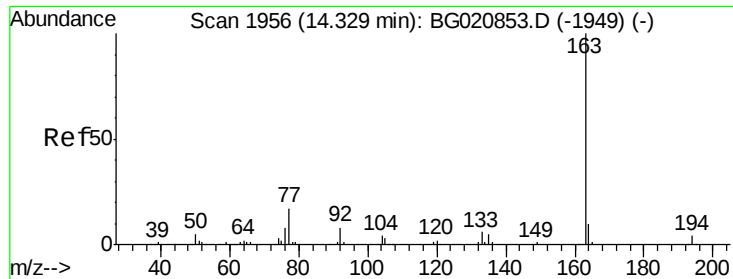
Tgt Ion:	65	Resp:	3799
Ion	Ratio	Lower	Upper
65	100		
92	77.1	65.8	98.8
138	128.7	117.1	175.7



#48
 Acenaphthylene
 Concen: 3.69 ng
 RT: 14.61 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Tgt Ion:	152	Resp:	28689
Ion	Ratio	Lower	Upper
152	100		
151	21.1	17.5	26.3
153	12.6	10.9	16.3





#49

Dimethylphthalate

Concen: 3.72 ng

RT: 14.32 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

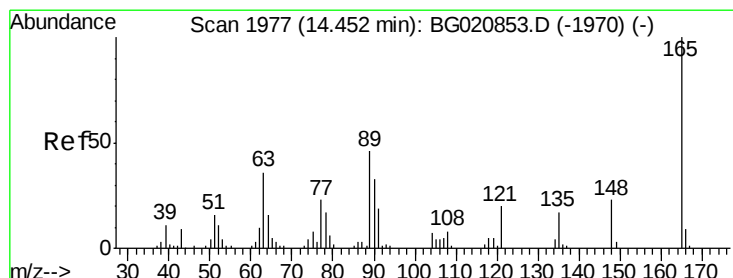
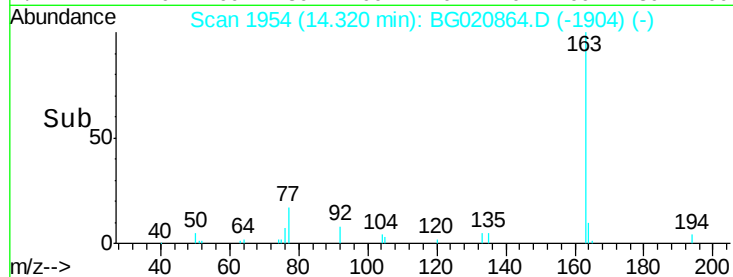
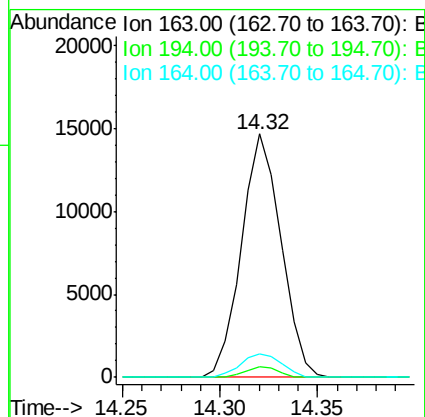
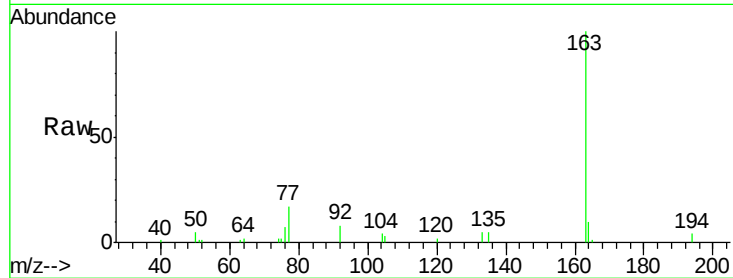
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:163	Resp:	20569
Ion Ratio	Lower	Upper
163	100	
194	4.3	3.1 4.7
164	9.8	8.3 12.5



#50

2,6-Dinitrotoluene

Concen: 3.50 ng

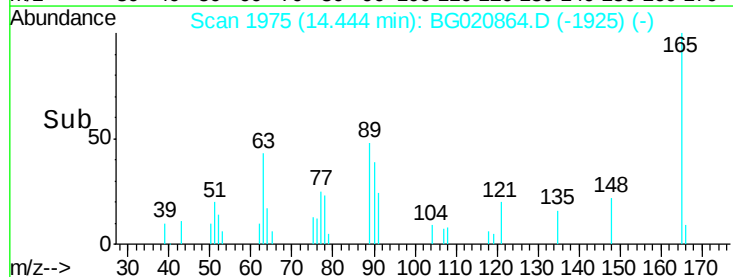
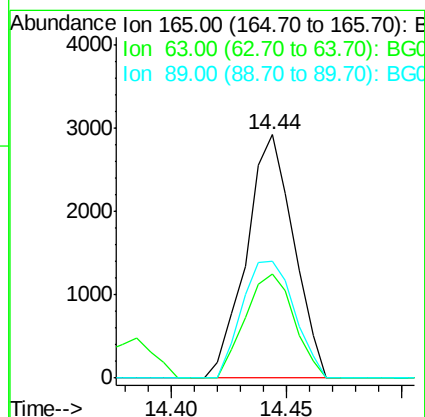
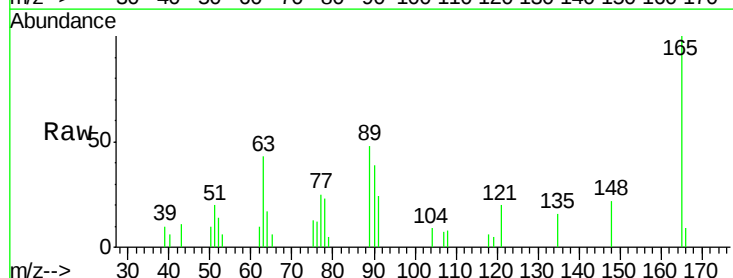
RT: 14.44 min Scan# 1975

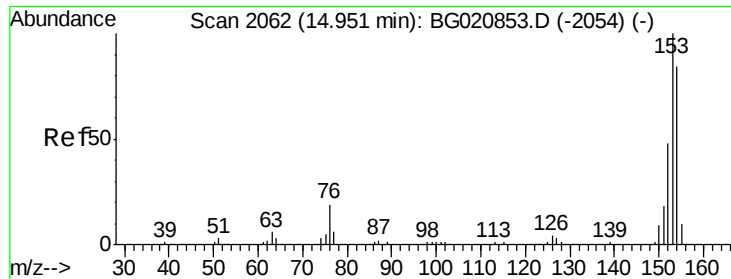
Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

Tgt Ion:165	Resp:	4147
Ion Ratio	Lower	Upper
165	100	
63	42.9	30.3 45.5
89	48.0	36.9 55.3





#51

Acenaphthene

Concen: 3.60 ng

RT: 14.94 min Scan# 2060

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

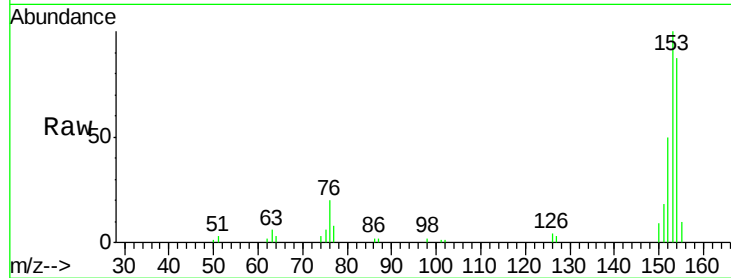
Tgt Ion:154 Resp: 16937

Ion Ratio Lower Upper

154 100

153 114.4 95.4 143.0

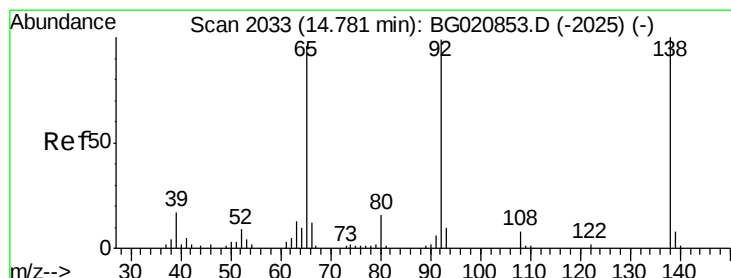
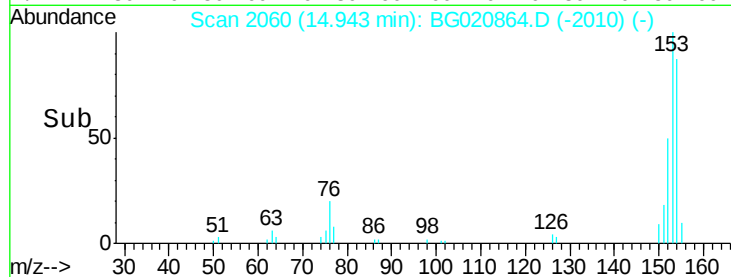
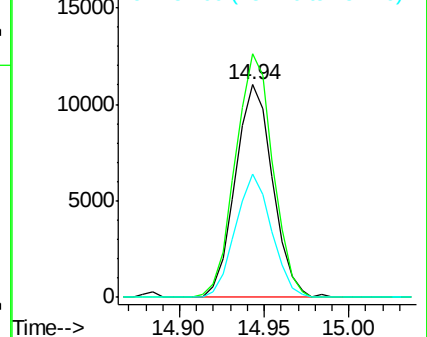
152 57.7 46.1 69.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 3.11 ng

RT: 14.77 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

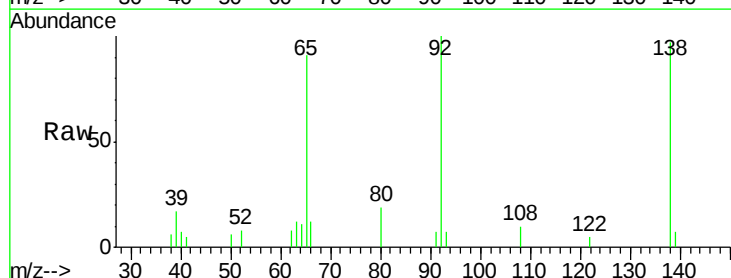
Tgt Ion:138 Resp: 4281

Ion Ratio Lower Upper

138 100

108 10.4 6.2 9.2#

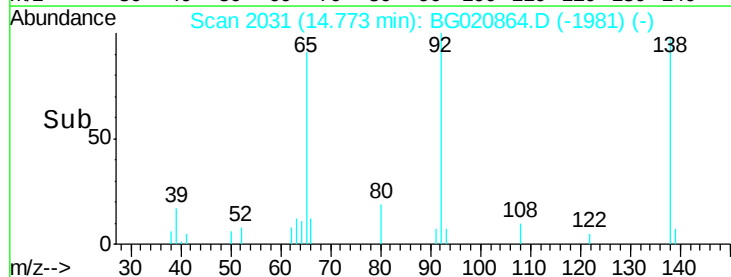
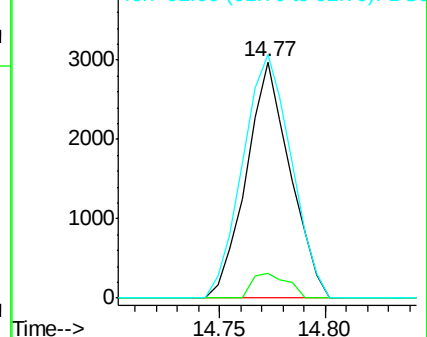
92 103.0 79.5 119.3

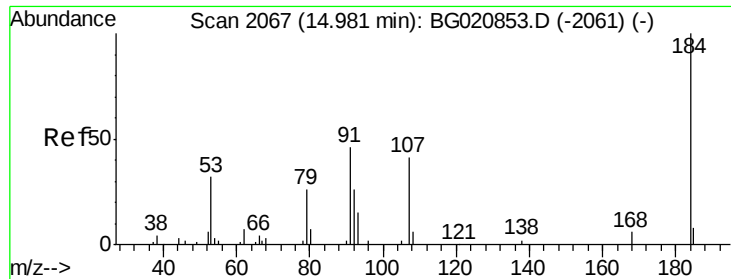


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

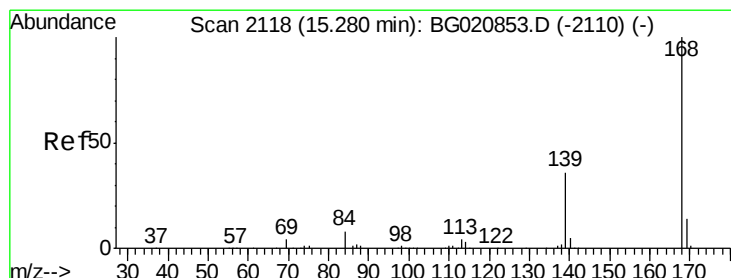
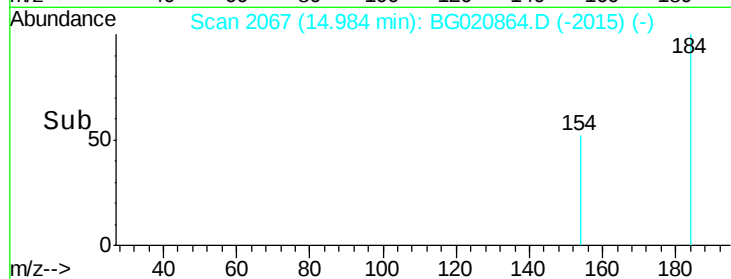
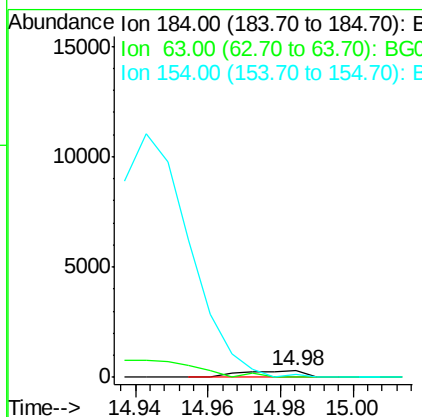
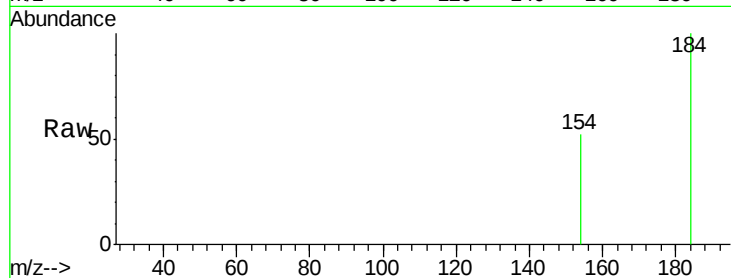




#53
 2,4-Dinitrophenol
 Concen: 9.07 ng
 RT: 14.98 min Scan# 2067
 Delta R.T. 0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

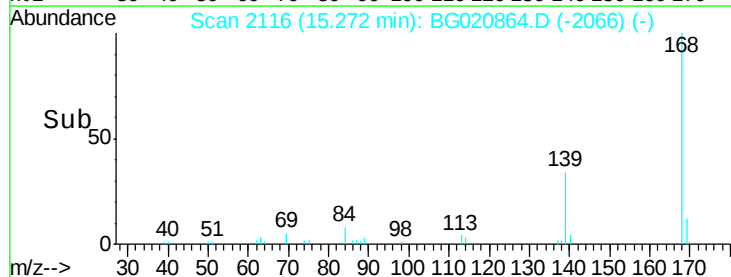
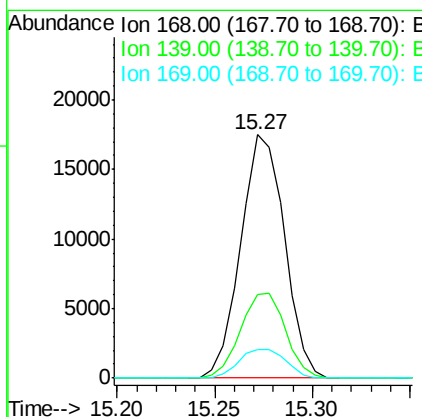
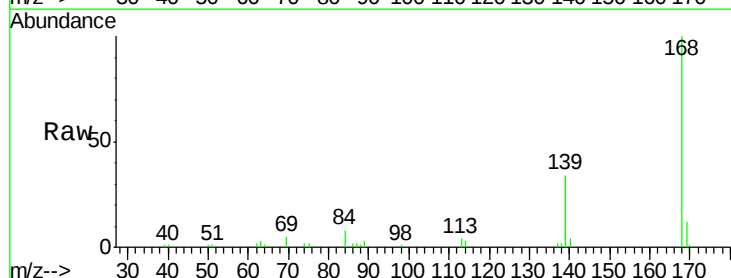
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

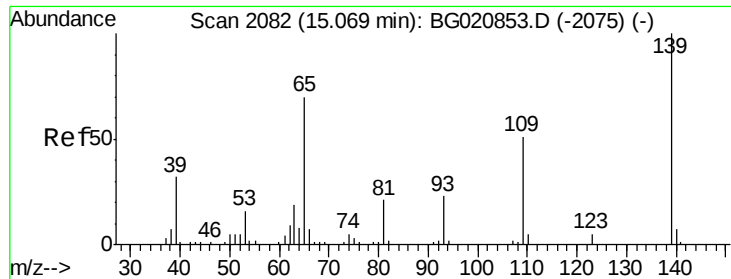
Tgt Ion:184 Resp: 365
 Ion Ratio Lower Upper
 184 100
 63 0.0 39.8 59.6#
 154 51.8 48.1 72.1



#54
 Dibenzofuran
 Concen: 4.38 ng
 RT: 15.27 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Tgt Ion:168 Resp: 27269
 Ion Ratio Lower Upper
 168 100
 139 34.4 28.5 42.7
 169 11.9 11.0 16.4





#55

4-Nitrophenol

Concen: 2.93 ng

RT: 15.06 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

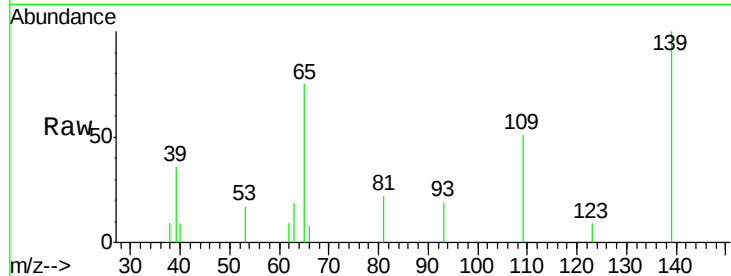
Tgt Ion:139 Resp: 3050

Ion Ratio Lower Upper

139 100

109 51.4 31.0 71.0

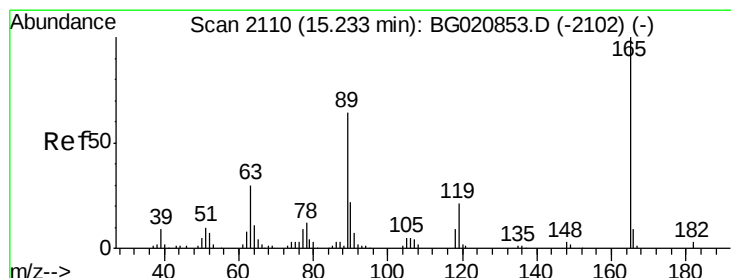
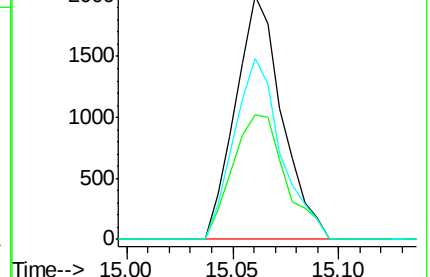
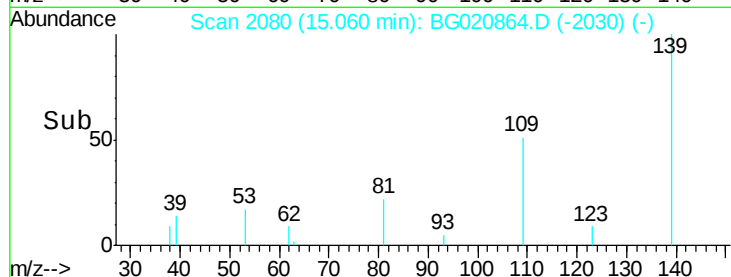
65 74.5 49.6 89.6



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: 3.45 ng

RT: 15.22 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

Tgt Ion:165 Resp: 5293

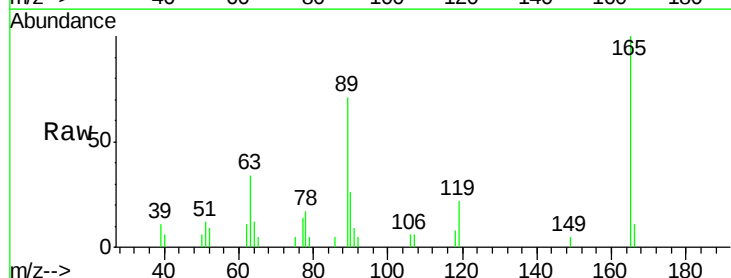
Ion Ratio Lower Upper

165 100

63 33.8 23.7 35.5

89 70.9 50.9 76.3

182 0.0 2.2 3.2#

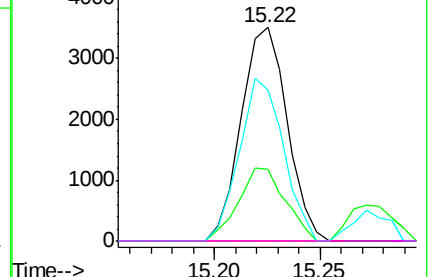
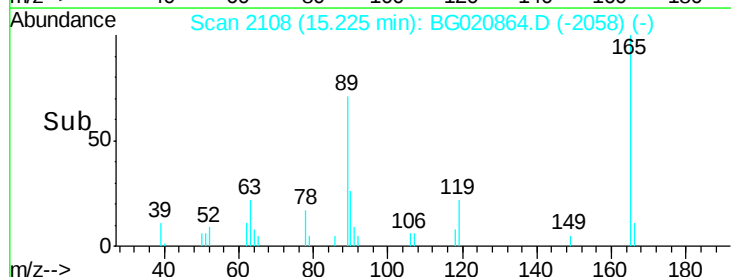


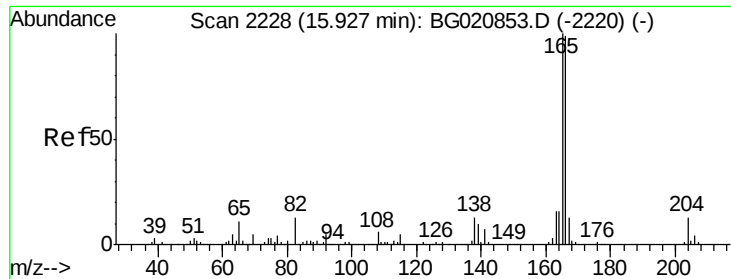
Abundance Ion 165.00 (164.70 to 165.70): E

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

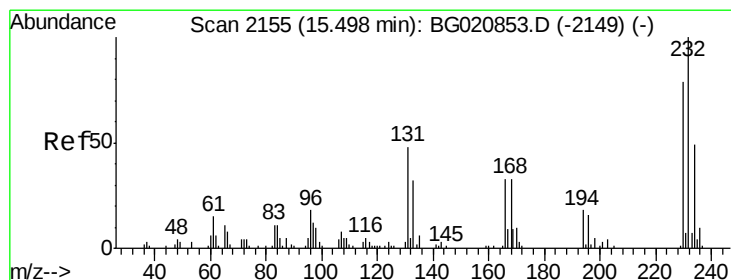
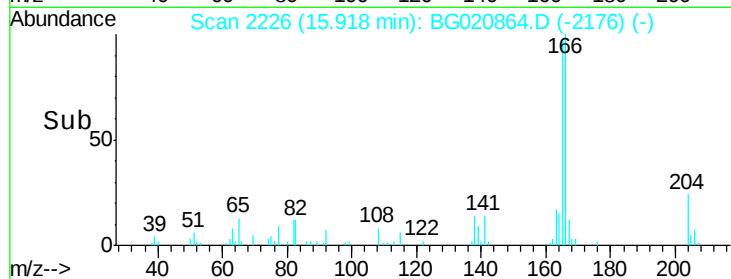
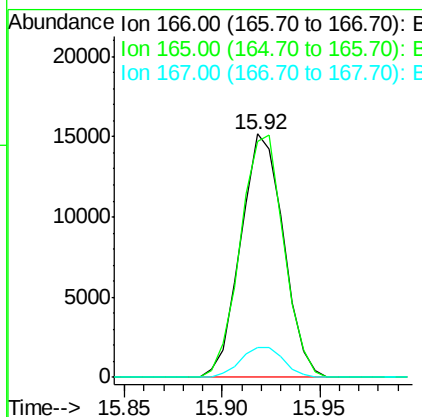
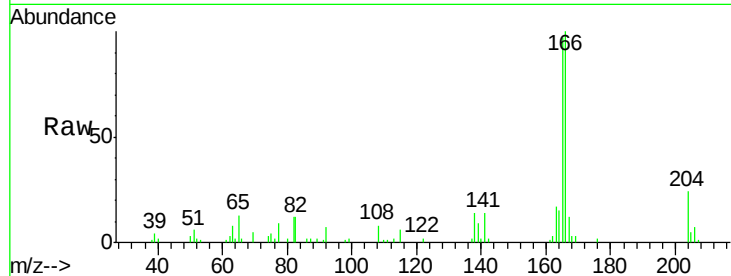




#57
 Fluorene
 Concen: 4.01 ng
 RT: 15.92 min Scan# 2226
 Delta R.T. -0.01 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

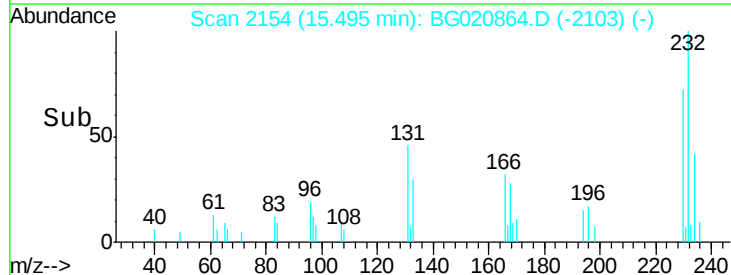
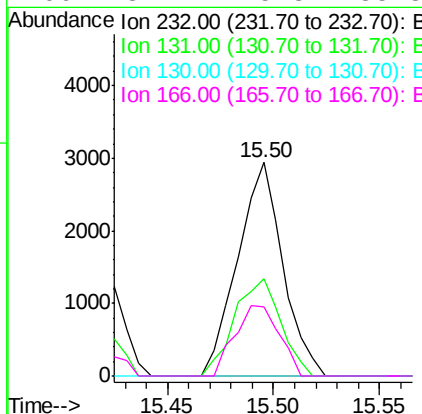
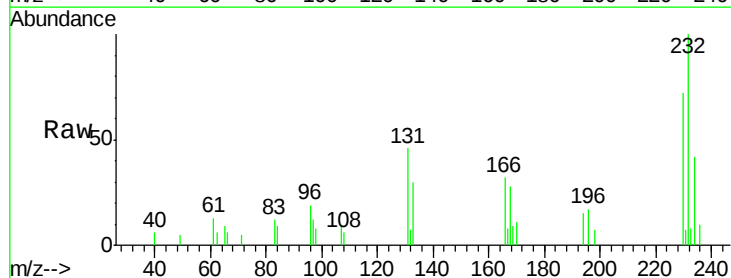
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

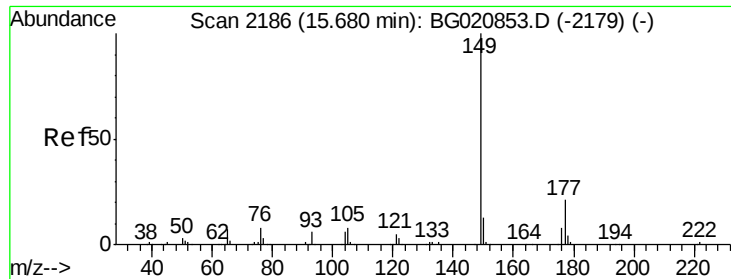
Tgt Ion:166 Resp: 23031
 Ion Ratio Lower Upper
 166 100
 165 96.7 81.0 121.4
 167 12.4 10.8 16.2



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 3.91 ng
 RT: 15.50 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Tgt Ion:232 Resp: 4363
 Ion Ratio Lower Upper
 232 100
 131 46.7 39.2 58.8
 130 0.0 2.0 3.0#
 166 32.2 25.8 38.8

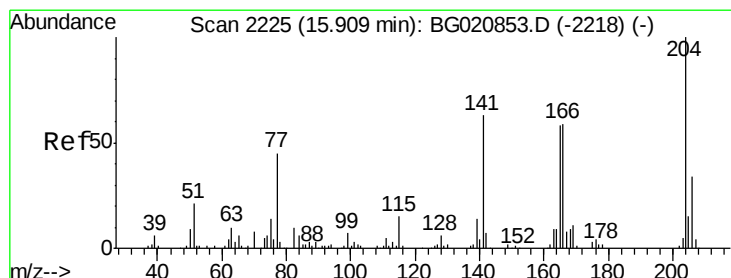
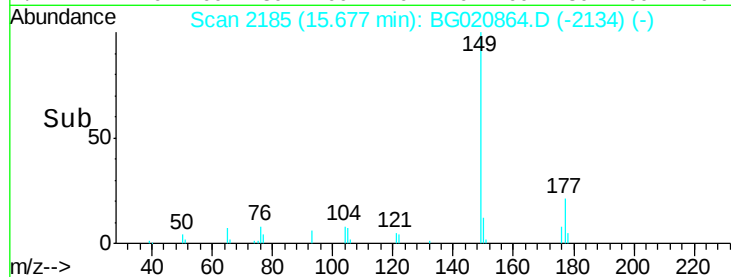
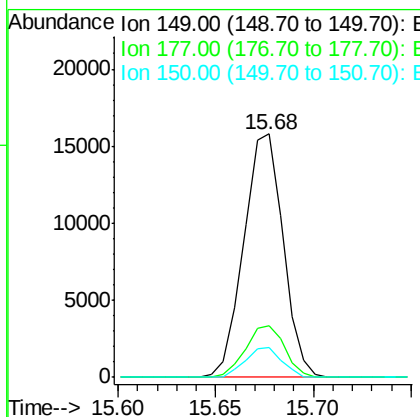
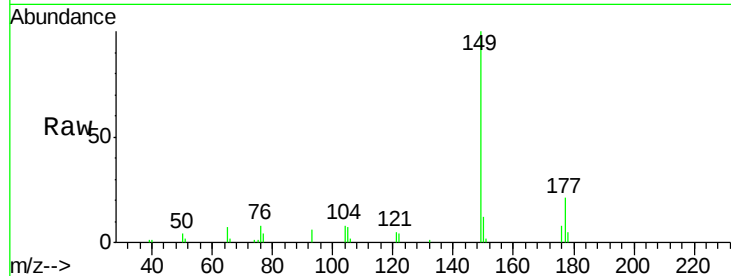




#59
Diethylphthalate
Concen: 3.88 ng
RT: 15.68 min Scan# 2185
Delta R.T. -0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

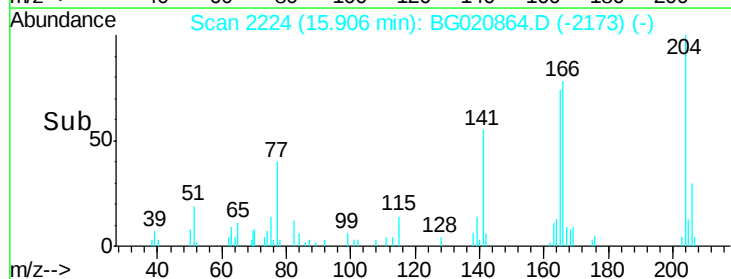
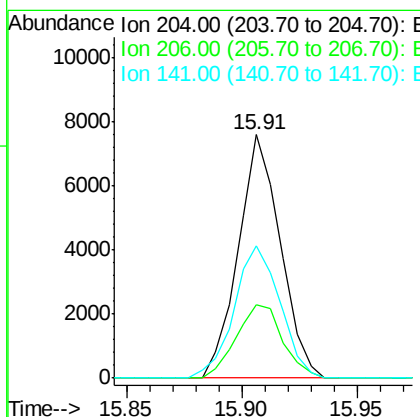
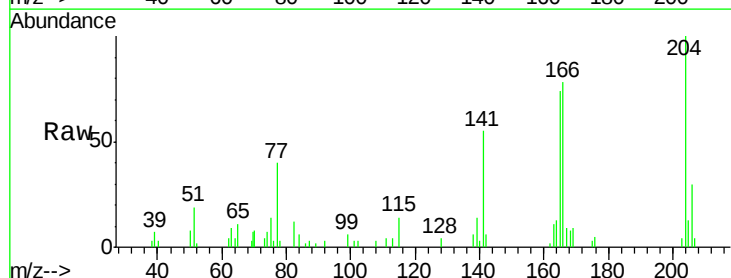
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

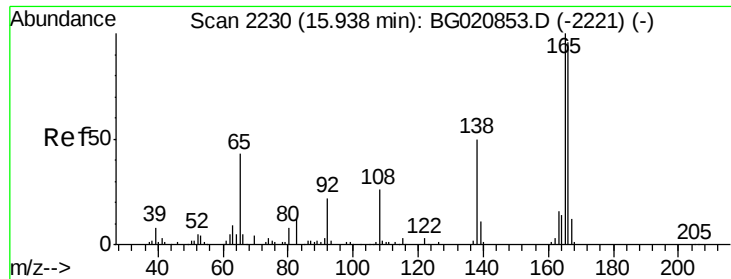
Tgt Ion:149 Resp: 22062
Ion Ratio Lower Upper
149 100
177 21.4 16.9 25.3
150 12.0 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 3.78 ng
RT: 15.91 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Tgt Ion:204 Resp: 9632
Ion Ratio Lower Upper
204 100
206 30.1 26.9 40.3
141 54.6 50.3 75.5

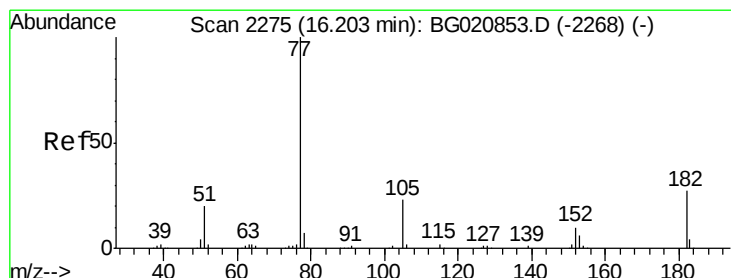
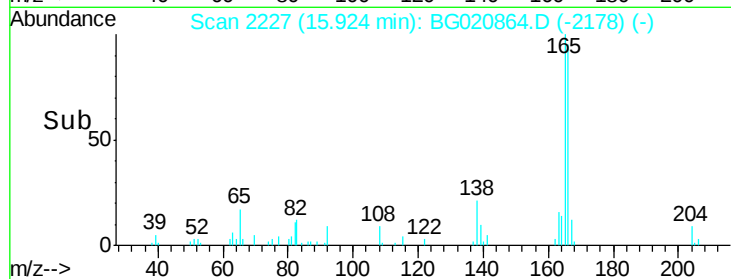
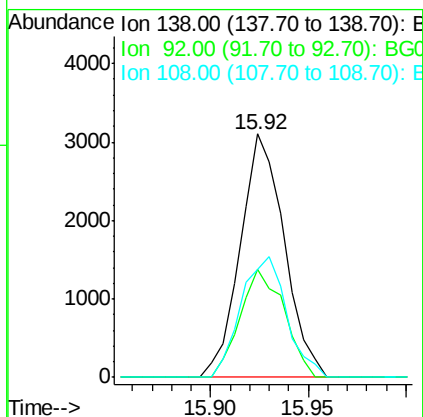
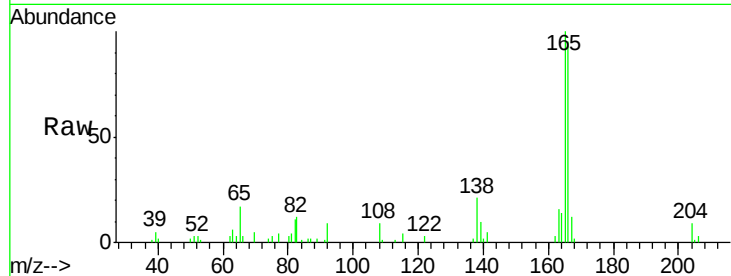




#61
4-Nitroaniline
Concen: 3.50 ng
RT: 15.92 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

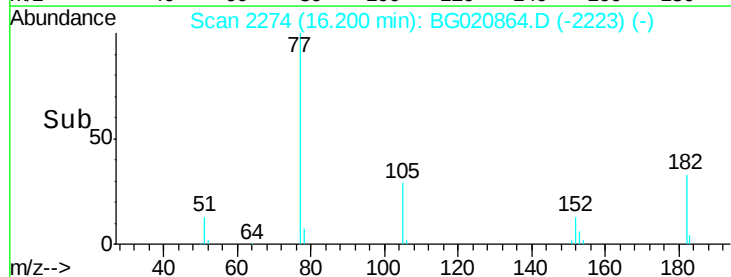
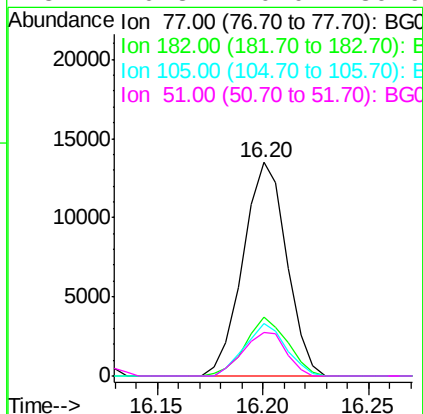
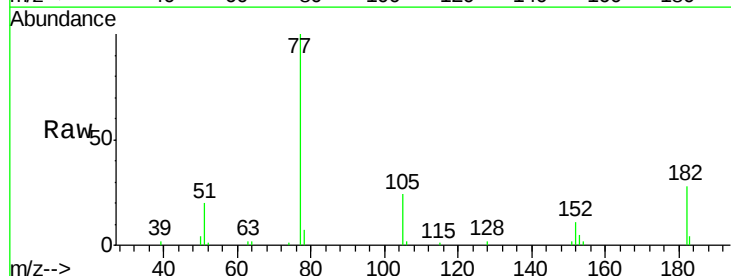
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

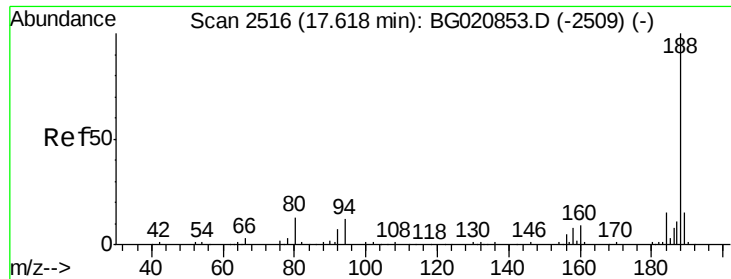
Tgt Ion: 138 Resp: 4837
Ion Ratio Lower Upper
138 100
92 44.1 24.1 64.1
108 44.4 32.4 72.4



#62
Azobenzene
Concen: 4.32 ng
RT: 16.20 min Scan# 2274
Delta R.T. -0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Tgt Ion: 77 Resp: 19315
Ion Ratio Lower Upper
77 100
182 27.7 6.8 46.8
105 24.3 3.4 43.4
51 20.3 0.0 39.9

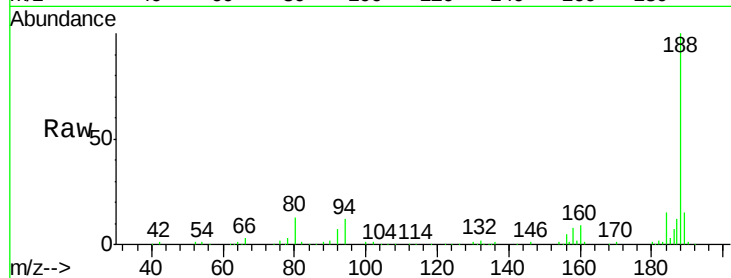




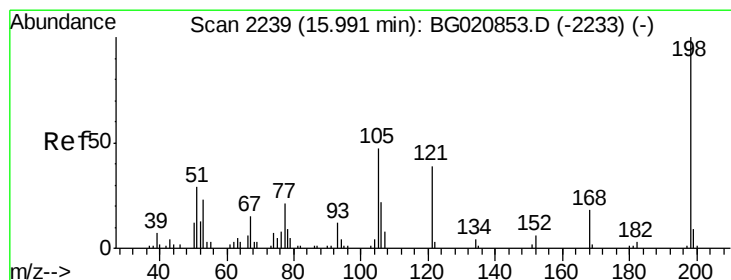
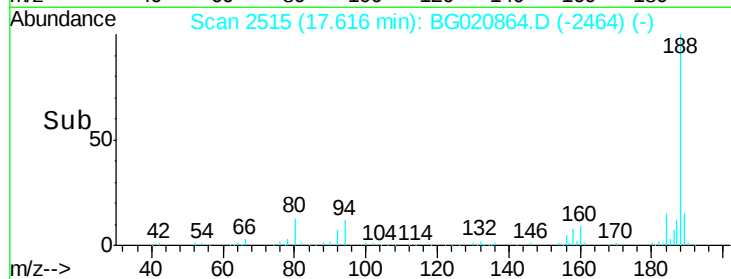
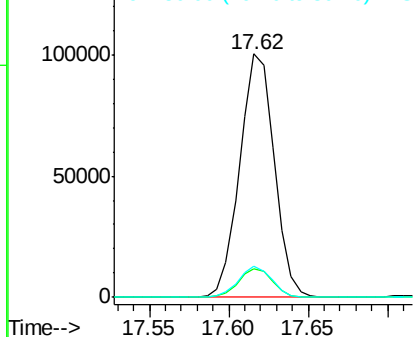
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.62 min Scan# 2515
Delta R.T. -0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:188 Resp: 151687
Ion Ratio Lower Upper
188 100
94 11.7 9.4 14.0
80 12.7 10.2 15.4

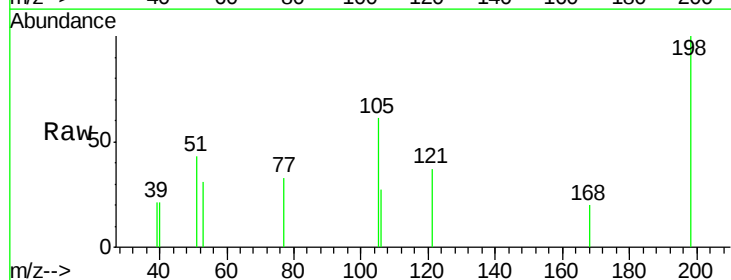


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

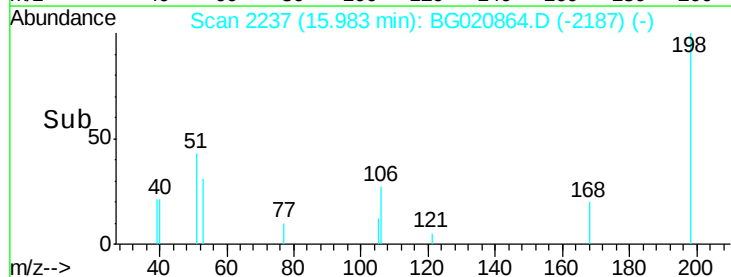
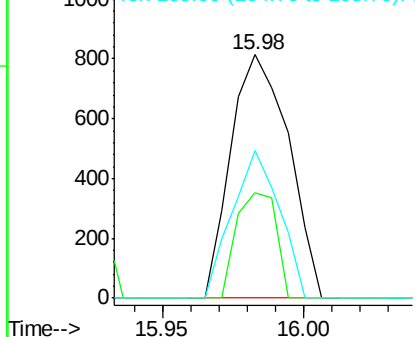


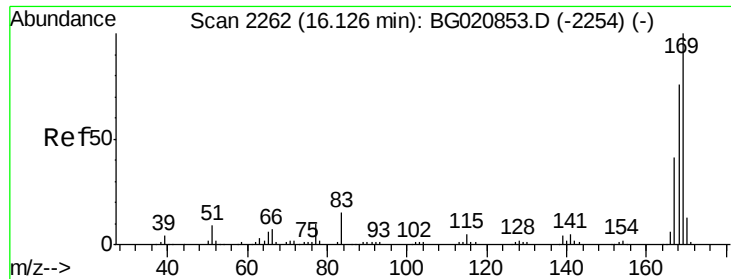
#64
4,6-Dinitro-2-methylphenol
Concen: 6.84 ng
RT: 15.98 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Tgt Ion:198 Resp: 1156
Ion Ratio Lower Upper
198 100
51 43.5 10.6 50.6
105 60.8 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

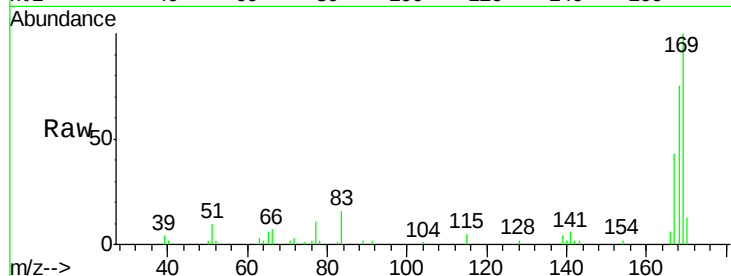




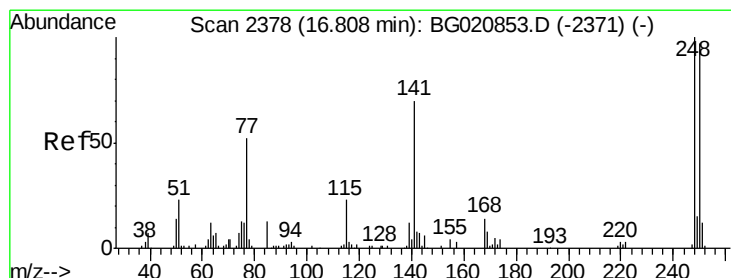
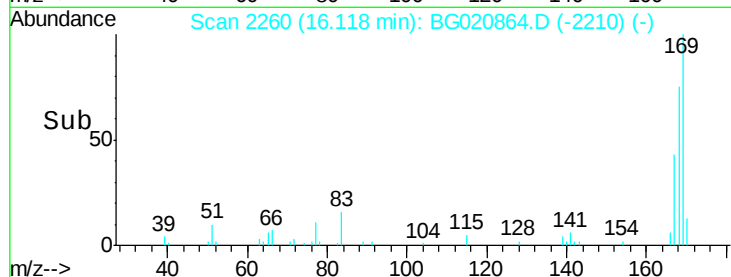
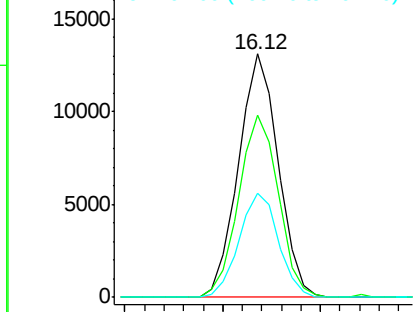
#65
 n-Nitrosodiphenylamine
 Concen: 3.76 ng
 RT: 16.12 min Scan# 2260
 Delta R.T. -0.01 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:169 Resp: 18436
 Ion Ratio Lower Upper
 169 100
 168 74.9 60.7 91.1
 167 42.7 32.8 49.2

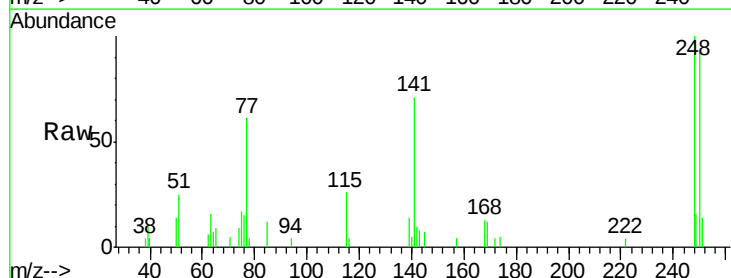


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

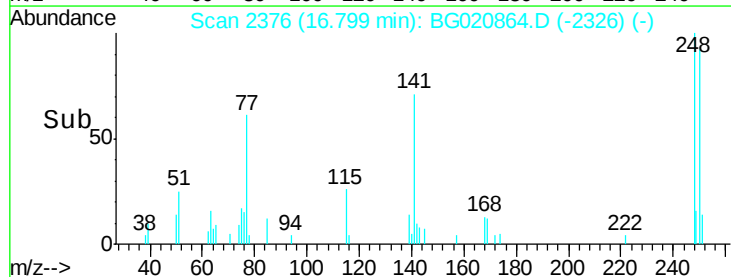
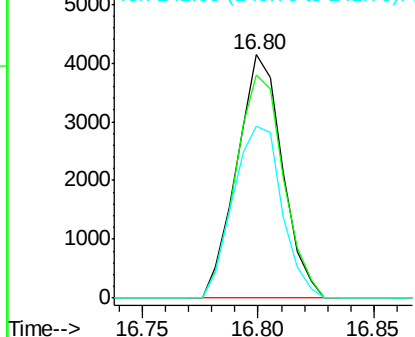


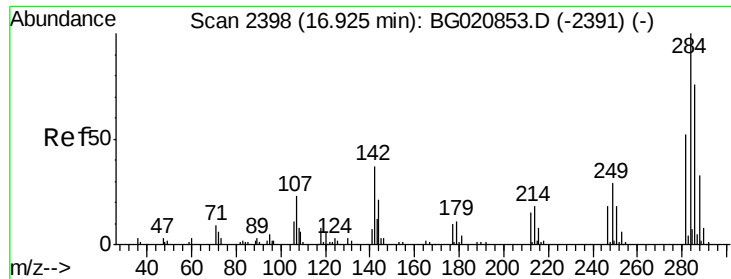
#66
 4-Bromophenyl-phenylether
 Concen: 3.55 ng
 RT: 16.80 min Scan# 2376
 Delta R.T. -0.01 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Tgt Ion:248 Resp: 5685
 Ion Ratio Lower Upper
 248 100
 250 91.7 77.4 116.2
 141 70.5 55.7 83.5



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 3.71 ng

RT: 16.92 min Scan# 2397

Delta R.T. -0.00 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

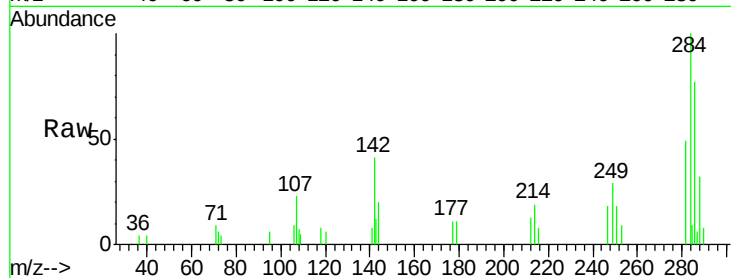
Tgt Ion:284 Resp: 6322

Ion Ratio Lower Upper

284 100

142 41.1 29.9 44.9

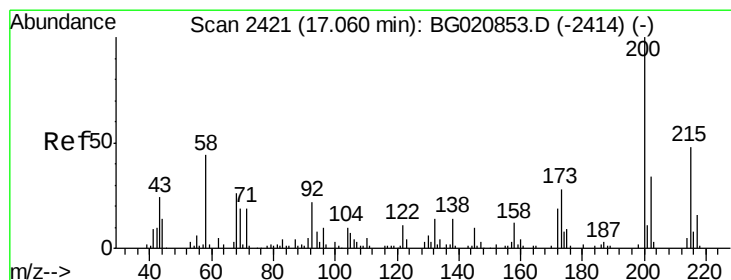
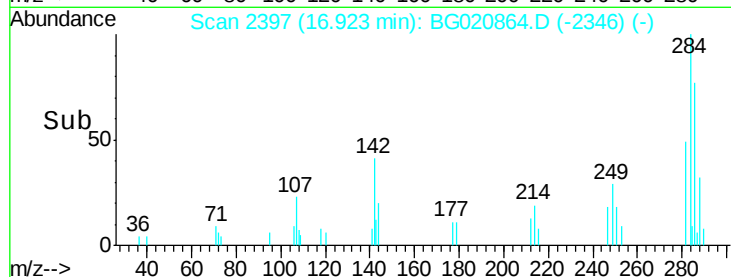
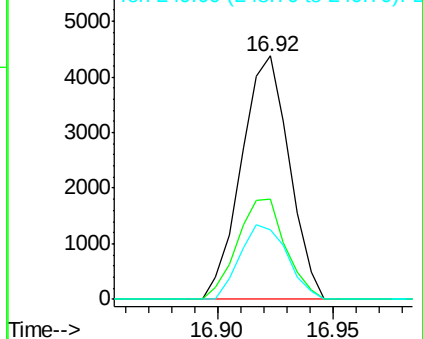
249 28.7 23.3 34.9



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: 3.85 ng

RT: 17.05 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

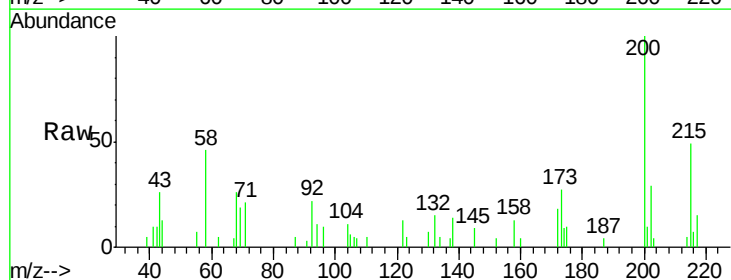
Tgt Ion:200 Resp: 5724

Ion Ratio Lower Upper

200 100

173 27.4 8.4 48.4

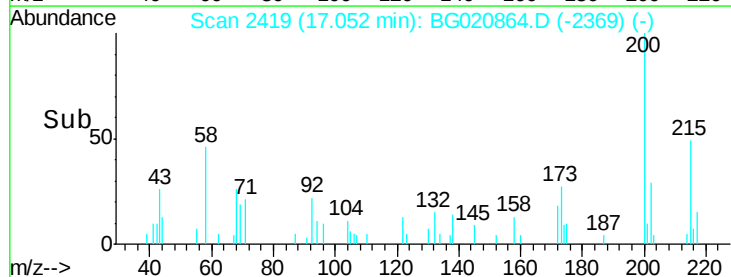
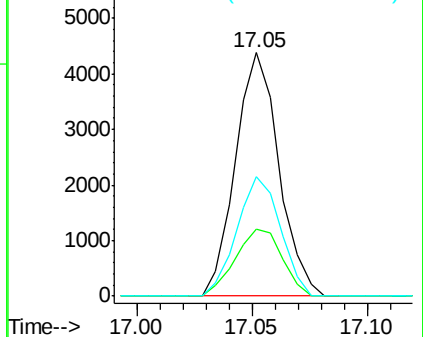
215 49.0 28.2 68.2

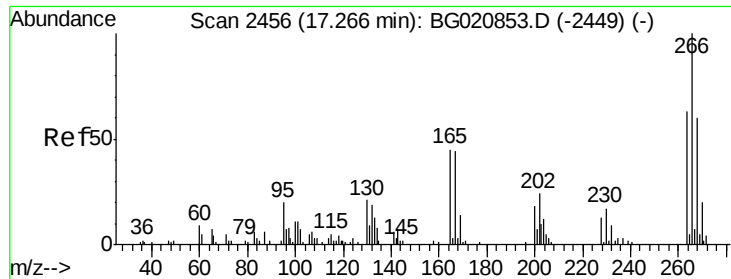


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 2.26 ng

RT: 17.26 min Scan# 2454

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

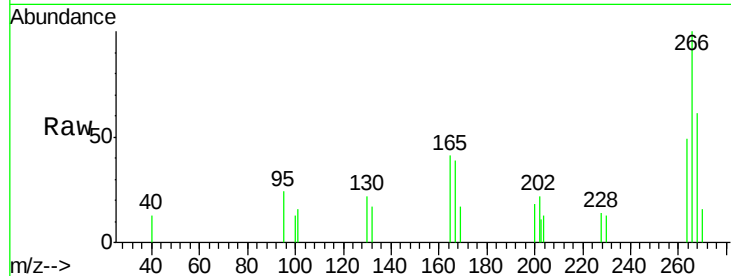
Tgt Ion:266 Resp: 2207

Ion Ratio Lower Upper

266 100

268 61.2 47.8 71.6

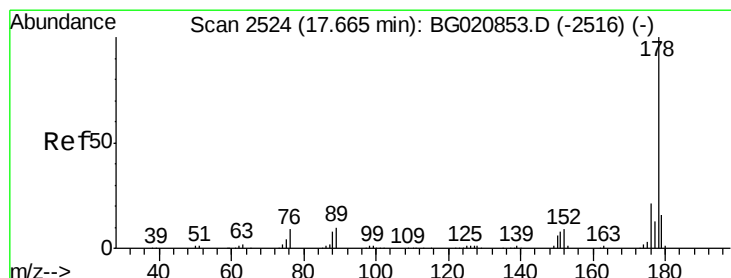
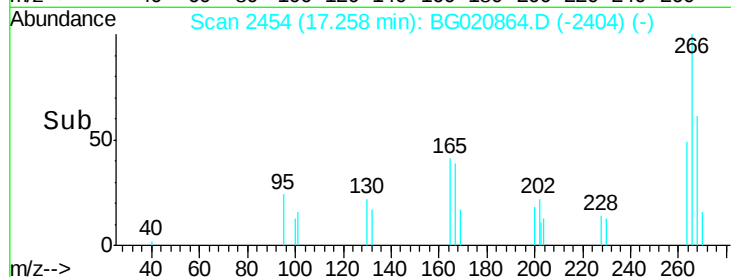
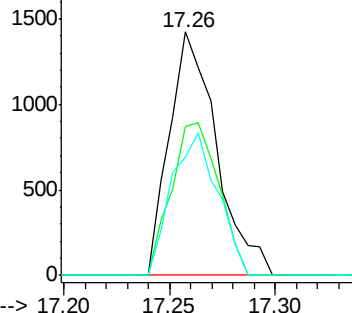
264 48.7 50.2 75.4#



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: 3.91 ng

RT: 17.66 min Scan# 2522

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

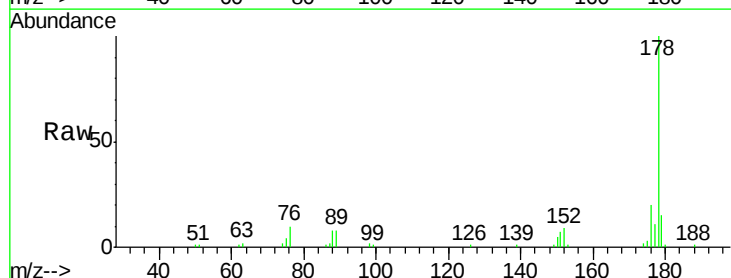
Tgt Ion:178 Resp: 33739

Ion Ratio Lower Upper

178 100

176 19.8 16.8 25.2

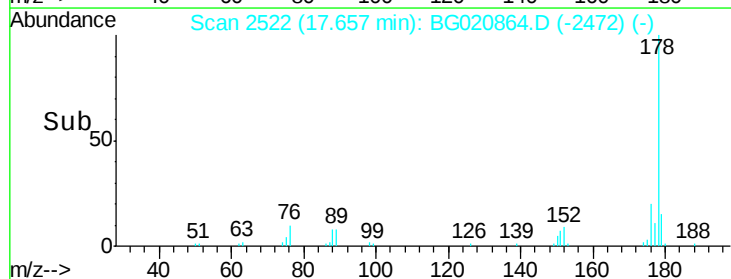
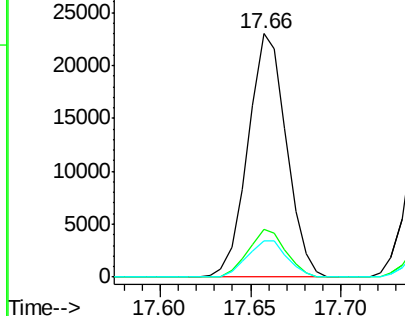
179 15.2 12.6 19.0

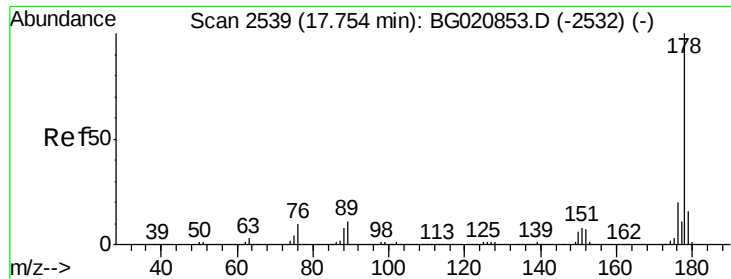


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

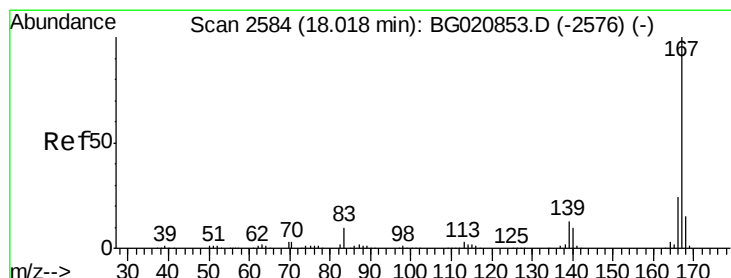
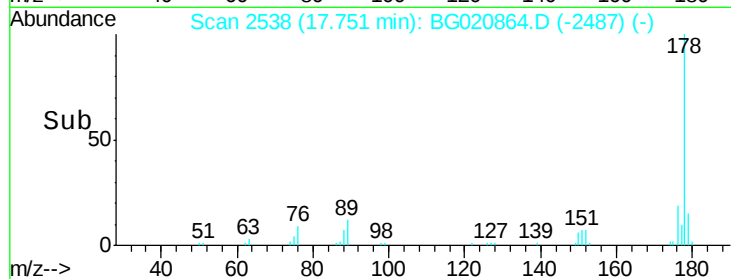
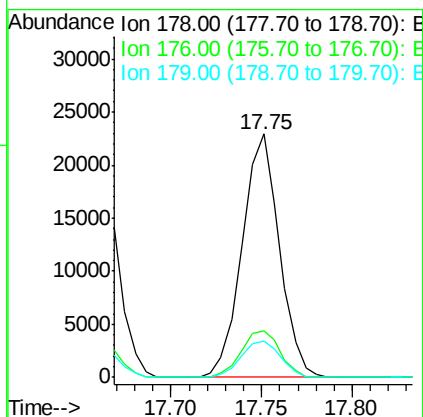
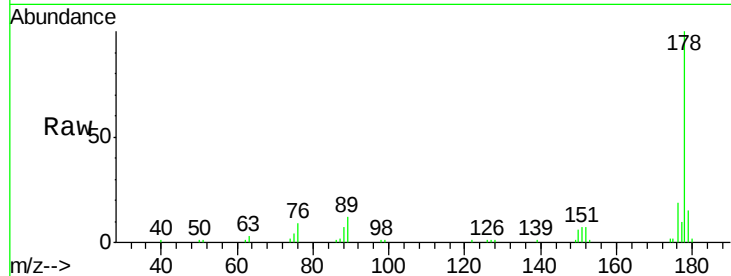




#71
 Anthracene
 Concen: 3.72 ng
 RT: 17.75 min Scan# 2538
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

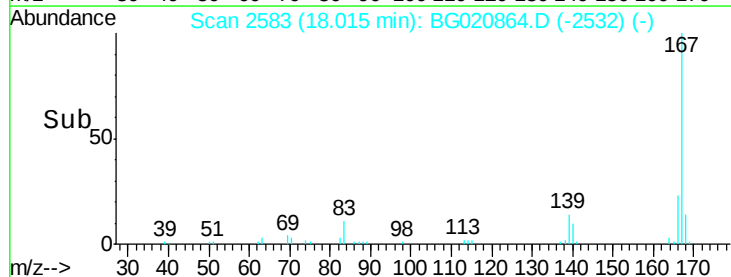
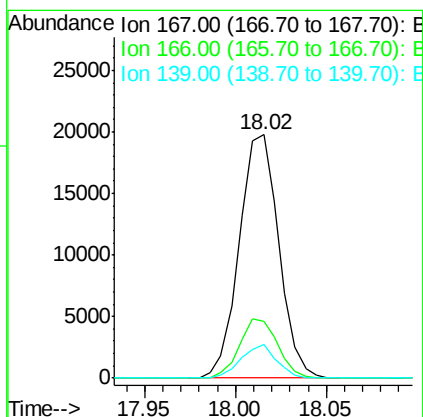
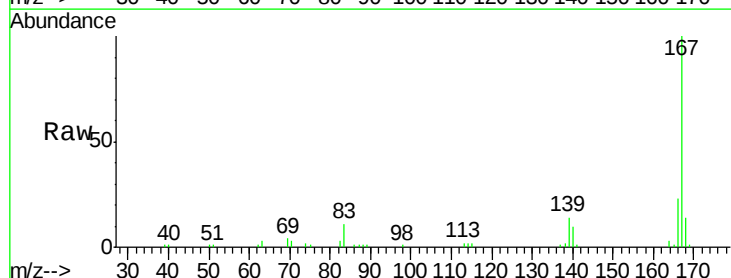
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

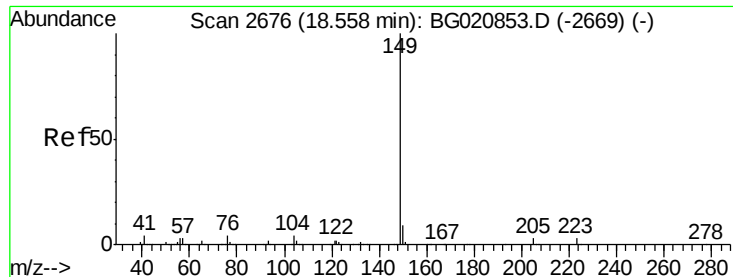
Tgt Ion:178 Resp: 32623
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.2 24.4
 179 14.7 12.7 19.1



#72
 Carbazole
 Concen: 3.82 ng
 RT: 18.02 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Tgt Ion:167 Resp: 30037
 Ion Ratio Lower Upper
 167 100
 166 23.5 19.3 28.9
 139 13.8 10.2 15.4

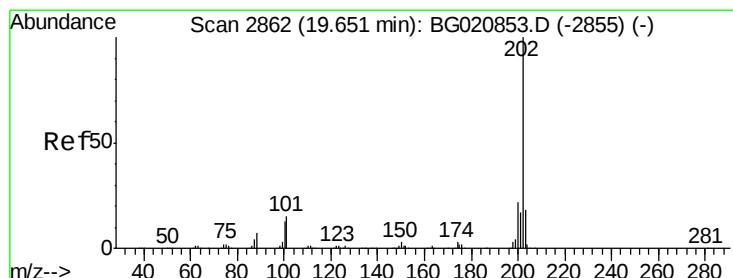
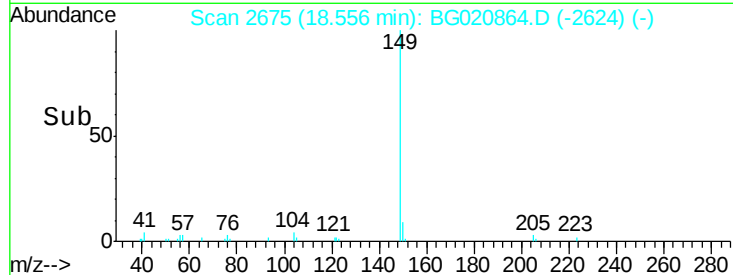
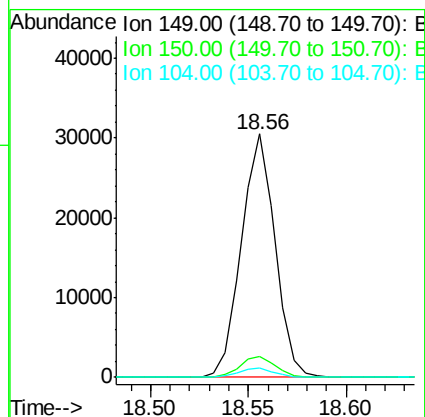
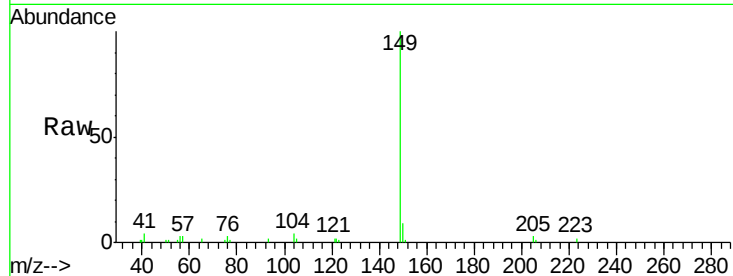




#73
Di-n-butylphthalate
Concen: 3.61 ng
RT: 18.56 min Scan# 2675
Delta R.T. -0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

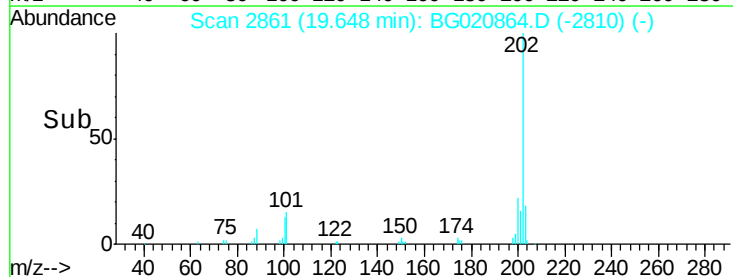
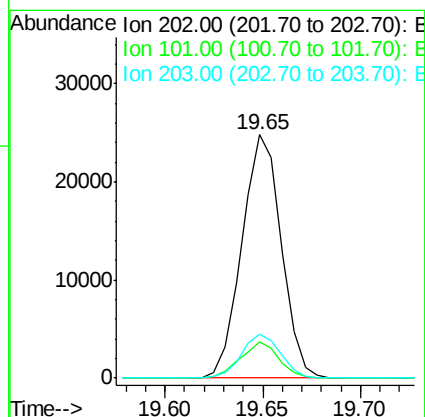
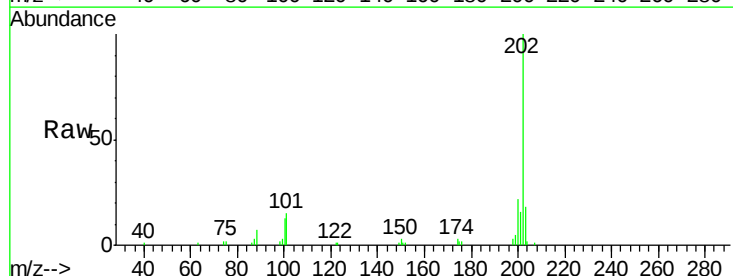
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

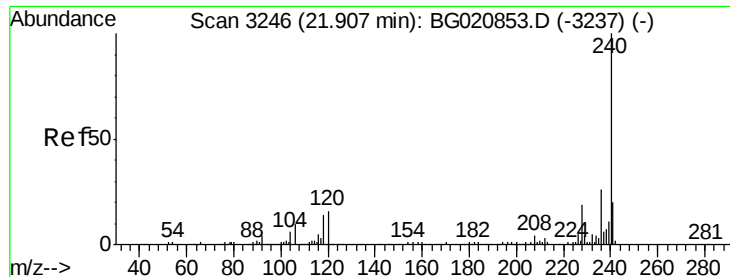
Tgt Ion:149 Resp: 36388
Ion Ratio Lower Upper
149 100
150 8.6 7.6 11.4
104 4.0 3.4 5.0



#74
Fluoranthene
Concen: 3.71 ng
RT: 19.65 min Scan# 2861
Delta R.T. -0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Tgt Ion:202 Resp: 34635
Ion Ratio Lower Upper
202 100
101 14.8 0.0 35.3
203 18.0 0.0 37.8

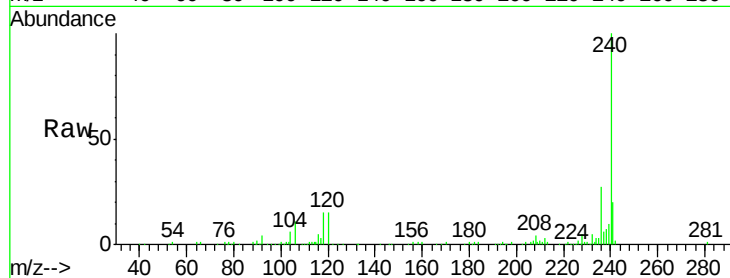




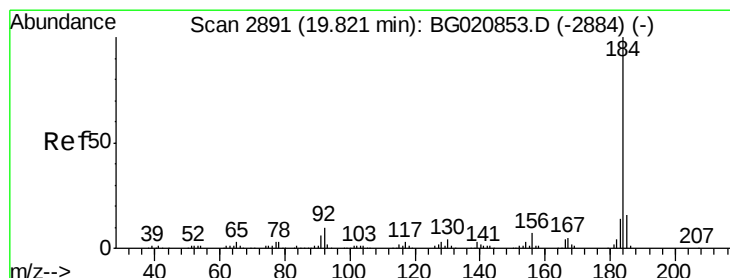
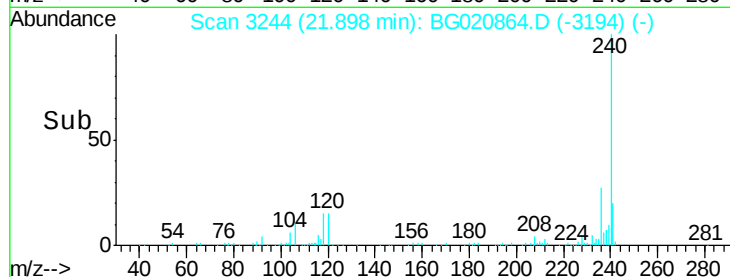
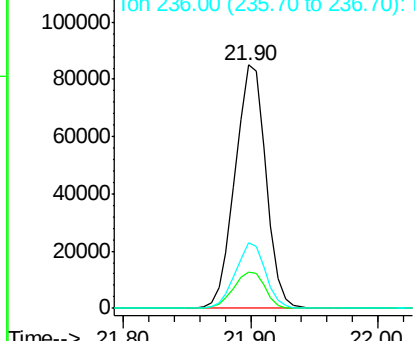
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.90 min Scan# 3244
Delta R.T. -0.01 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:240 Resp: 143063
Ion Ratio Lower Upper
240 100
120 14.9 13.0 19.4
236 26.8 21.0 31.4

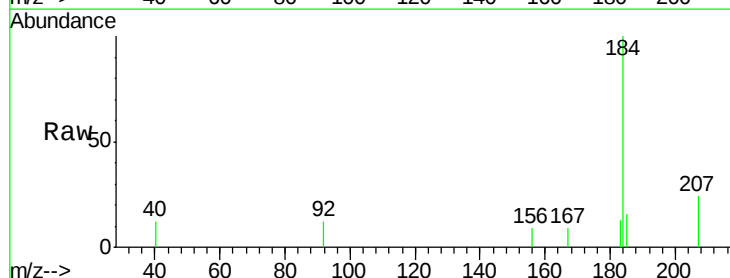


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

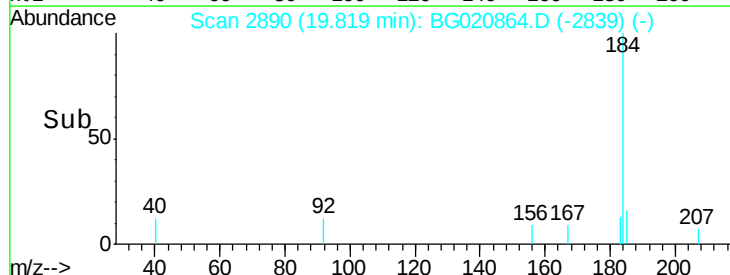
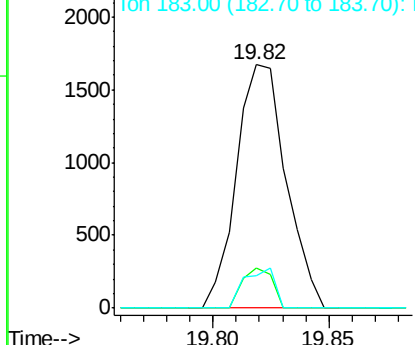


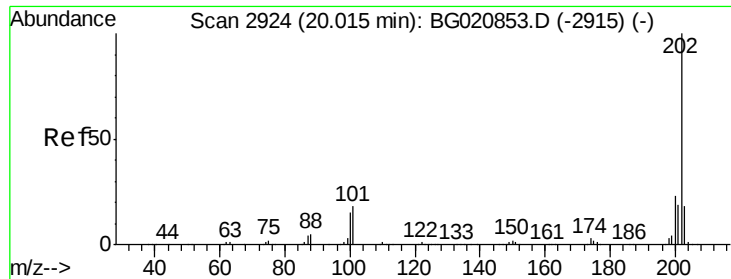
#76
Benzidine
Concen: 0.54 ng
RT: 19.82 min Scan# 2890
Delta R.T. -0.00 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Tgt Ion:184 Resp: 2502
Ion Ratio Lower Upper
184 100
185 16.4 12.6 19.0
183 13.1 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

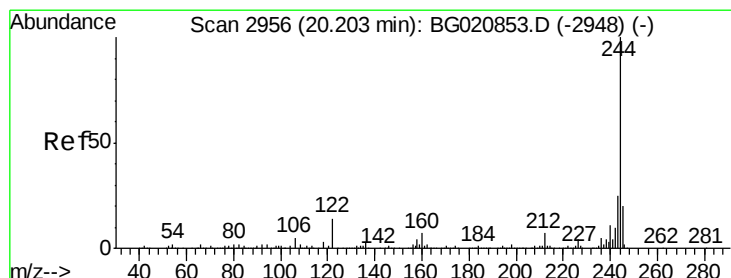
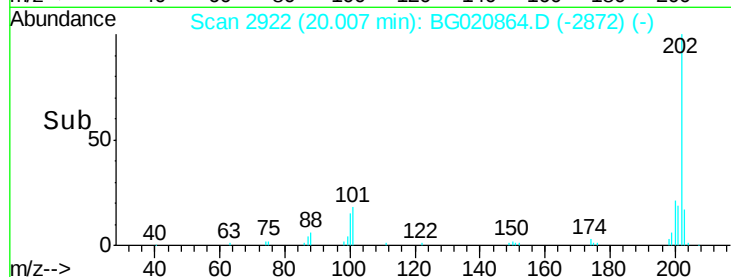
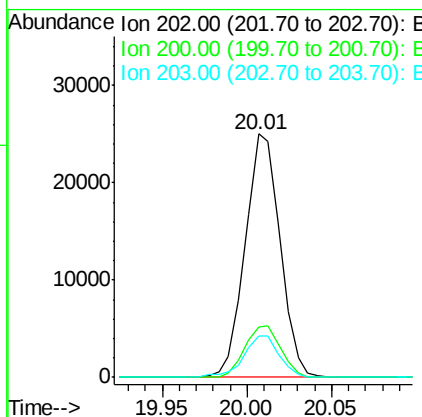
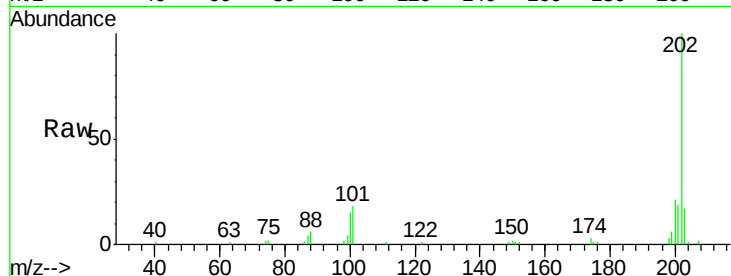




#77
 Pyrene
 Concen: 3.82 ng
 RT: 20.01 min Scan# 2922
 Delta R.T. -0.01 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

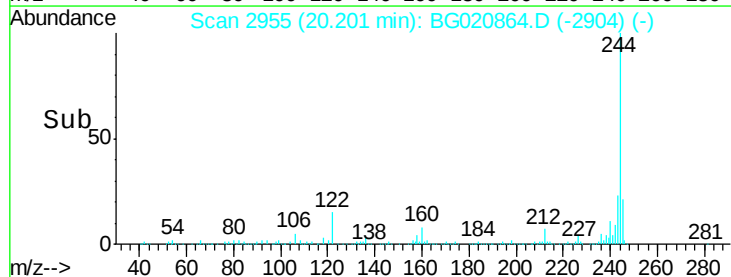
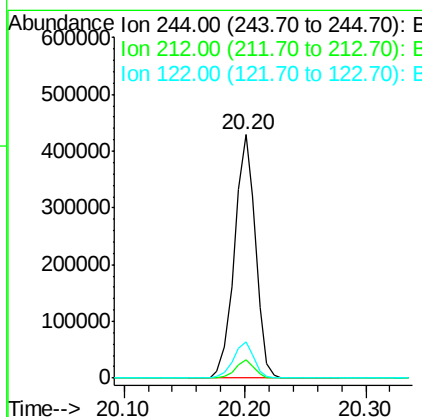
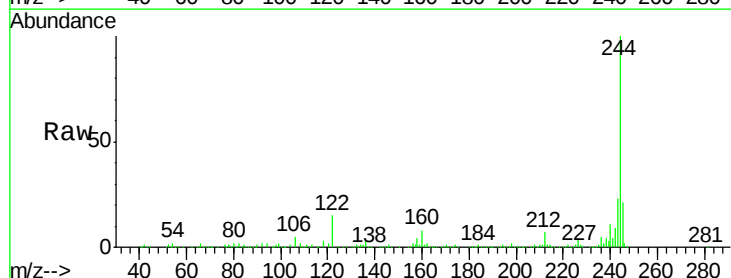
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

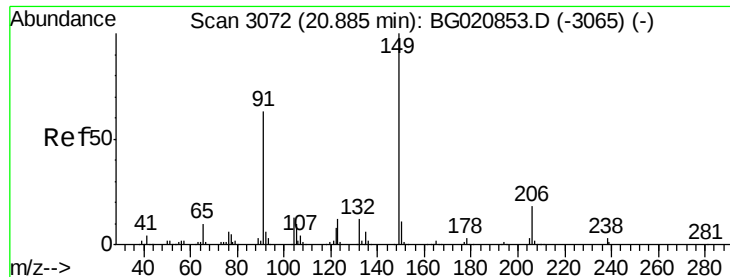
Tgt Ion: 202 Resp: 36007
 Ion Ratio Lower Upper
 202 100
 200 20.8 18.5 27.7
 203 17.1 14.3 21.5



#78
 Terphenyl-d14
 Concen: 84.54 ng
 RT: 20.20 min Scan# 2955
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Tgt Ion: 244 Resp: 518471
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.5 8.3
 122 15.1 11.4 17.2





#79

Butylbenzylphthalate

Concen: 3.31 ng

RT: 20.88 min Scan# 3070

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

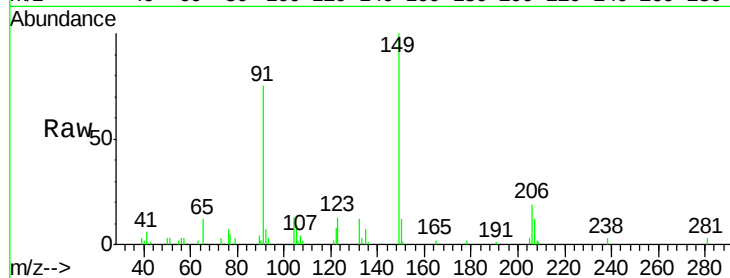
Tgt Ion:149 Resp: 14942

Ion Ratio Lower Upper

149 100

91 74.9 50.6 76.0

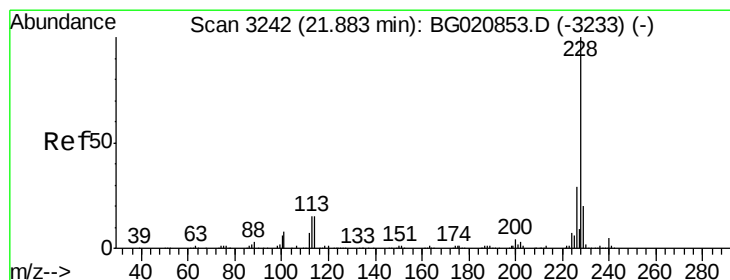
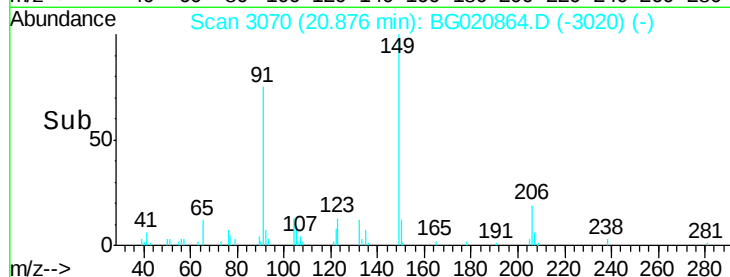
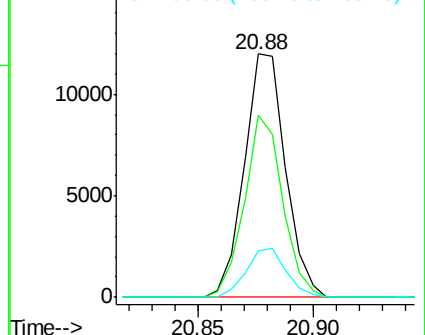
206 19.3 14.6 22.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 3.78 ng

RT: 21.88 min Scan# 3241

Delta R.T. -0.00 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

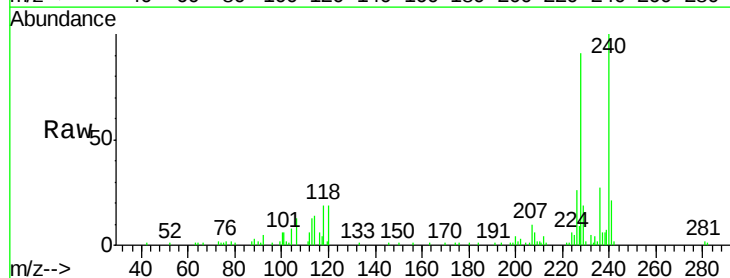
Tgt Ion:228 Resp: 32317

Ion Ratio Lower Upper

228 100

226 28.3 23.1 34.7

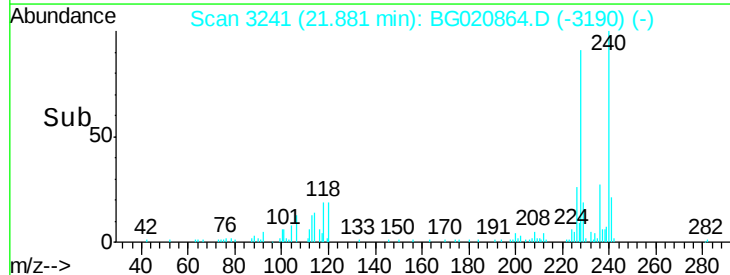
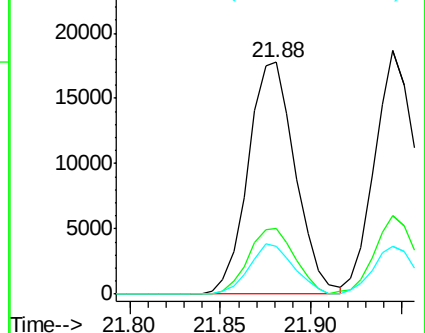
229 20.6 16.2 24.2

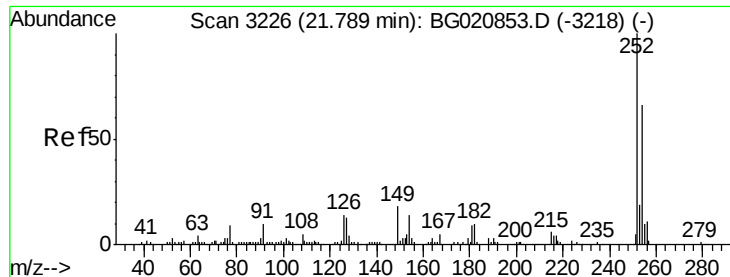


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#81

3,3'-Dichlorobenzidine

Concen: 2.13 ng

RT: 21.78 min Scan# 3224

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

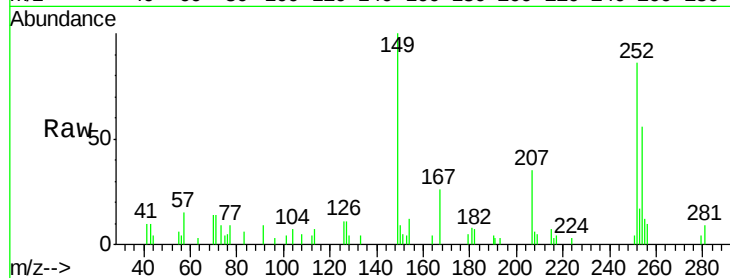
Tgt Ion:252 Resp: 6751

Ion Ratio Lower Upper

252 100

254 64.9 52.8 79.2

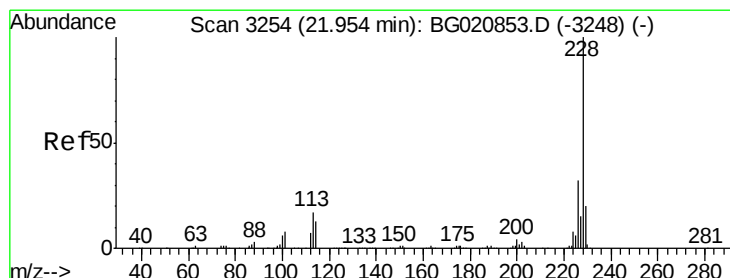
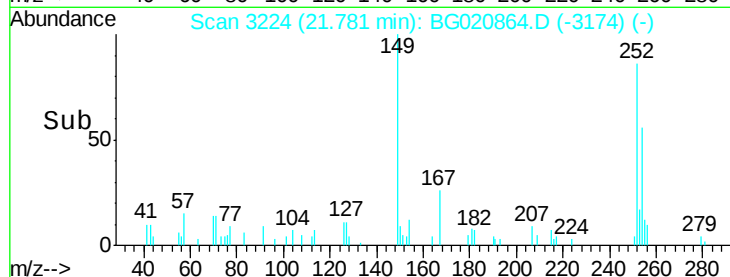
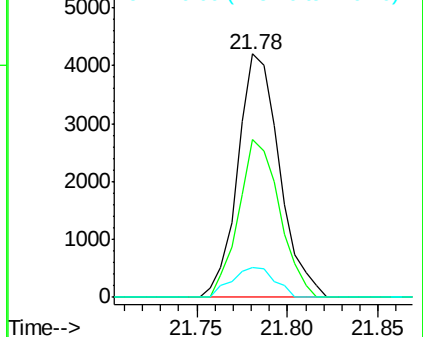
126 12.4 11.1 16.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 3.66 ng

RT: 21.95 min Scan# 3252

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

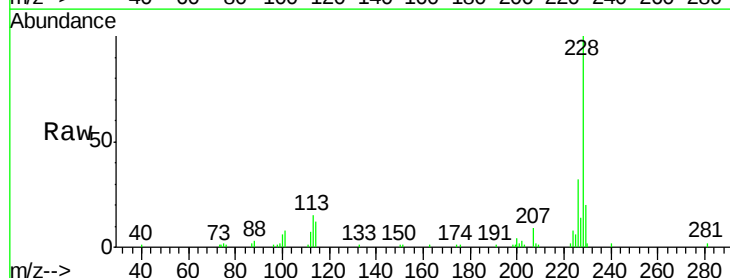
Tgt Ion:228 Resp: 29431

Ion Ratio Lower Upper

228 100

226 32.2 25.3 37.9

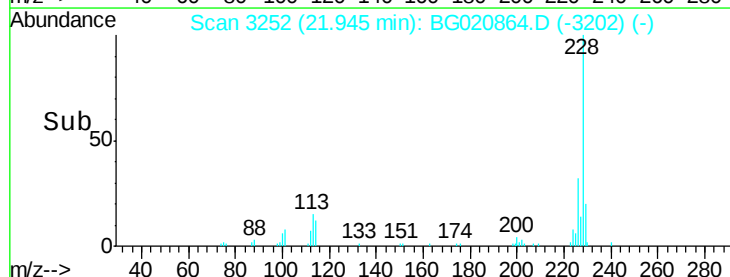
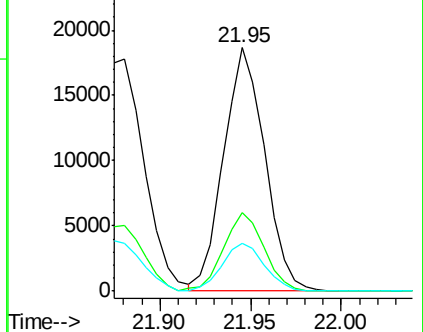
229 19.5 16.2 24.2

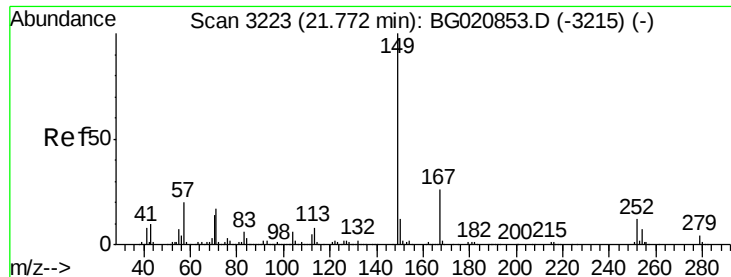


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

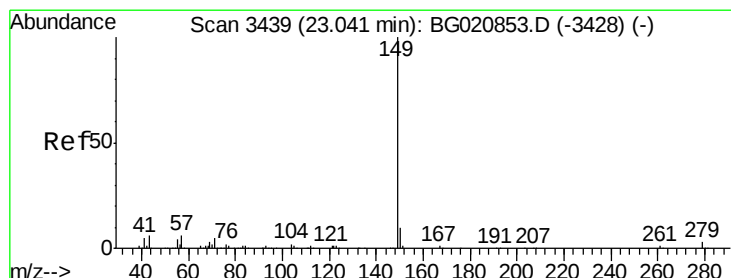
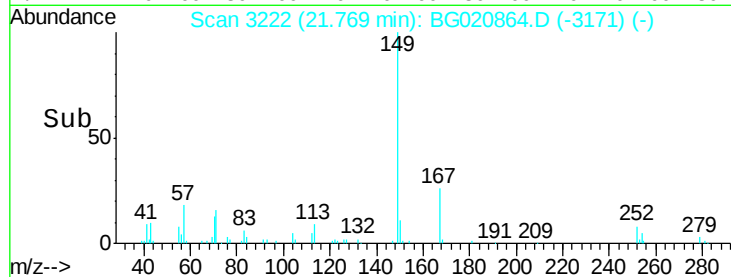
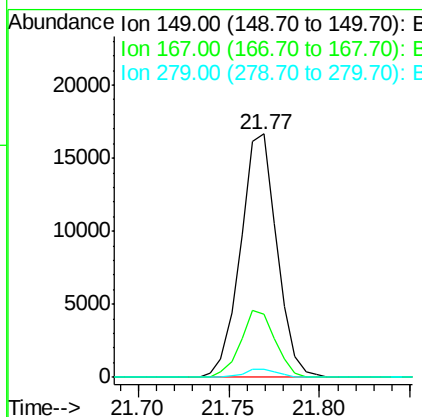
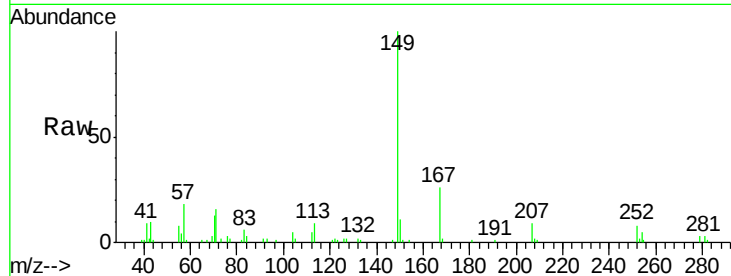




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.47 ng
 RT: 21.77 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

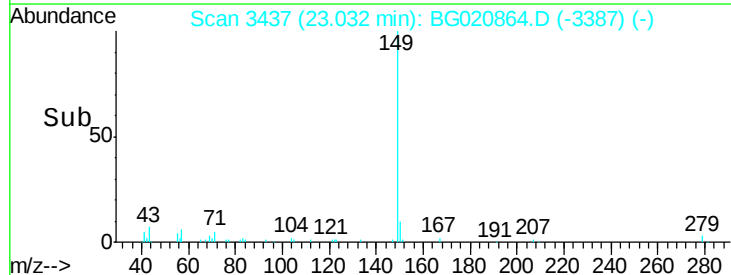
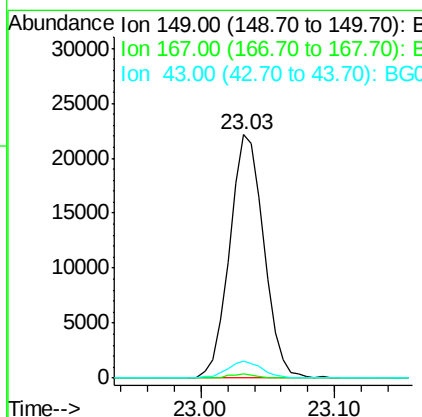
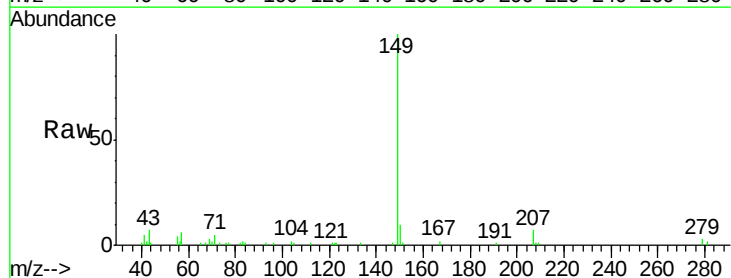
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

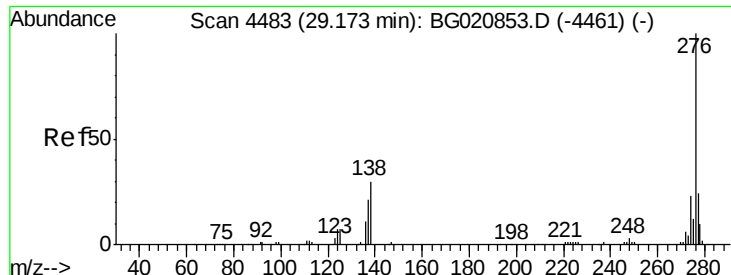
Tgt Ion:149 Resp: 23219
 Ion Ratio Lower Upper
 149 100
 167 25.9 20.9 31.3
 279 3.3 3.0 4.4



#84
 Di-n-octyl phthalate
 Concen: 3.58 ng
 RT: 23.03 min Scan# 3437
 Delta R.T. -0.01 min
 Lab File: BG020864.D
 Acq: 11 Feb 2016 20:07

Tgt Ion:149 Resp: 39312
 Ion Ratio Lower Upper
 149 100
 167 1.3 1.2 1.8
 43 7.2 5.1 7.7

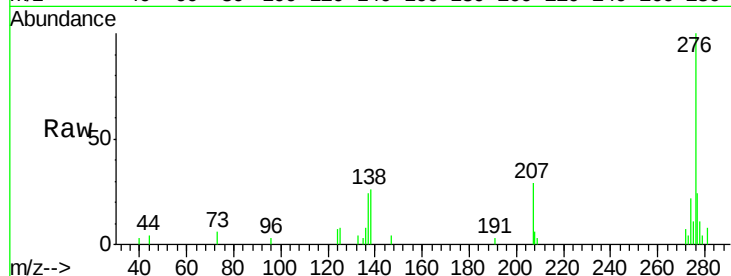




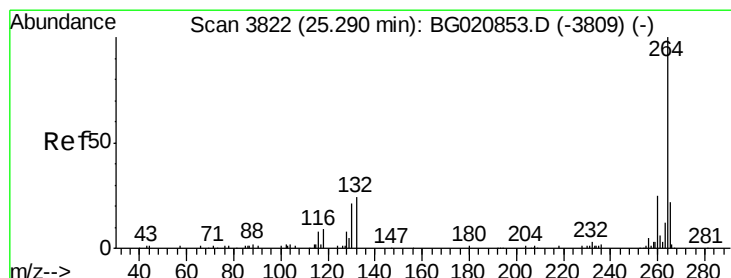
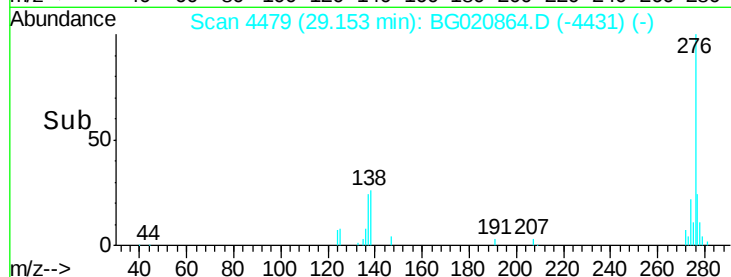
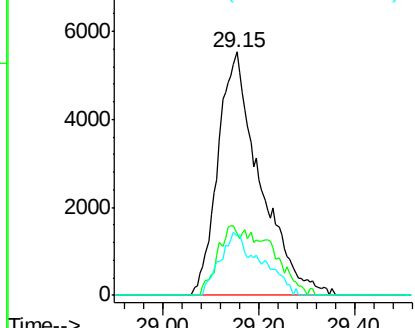
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.64 ng
RT: 29.15 min Scan# 4479
Delta R.T. -0.02 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:276 Resp: 33651
Ion Ratio Lower Upper
276 100
138 14.5 20.1 30.1#
277 25.3 20.5 30.7

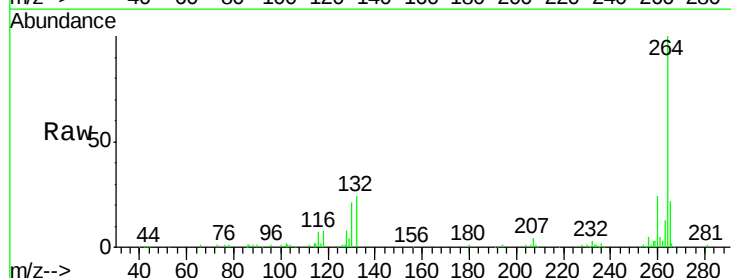


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

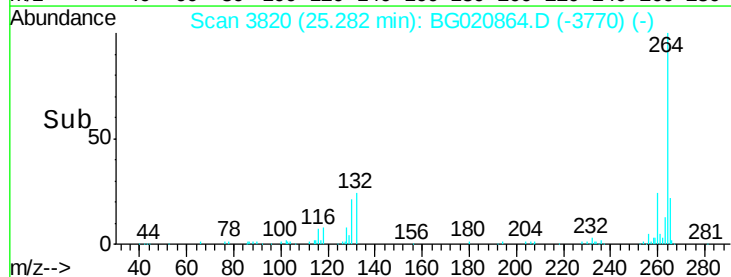
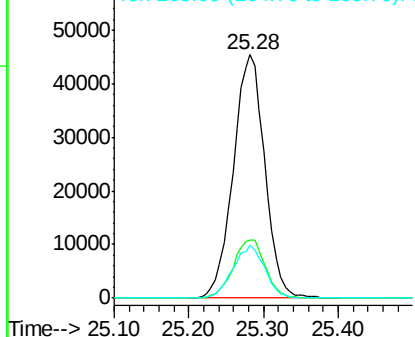


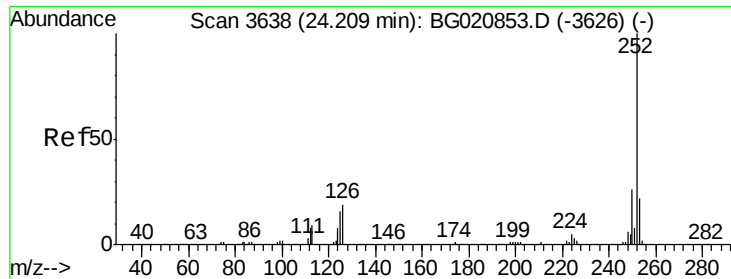
#86
Perylene-d12
Concen: 20.00 ng
RT: 25.28 min Scan# 3820
Delta R.T. -0.01 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Tgt Ion:264 Resp: 132744
Ion Ratio Lower Upper
264 100
260 23.9 19.9 29.9
265 21.5 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

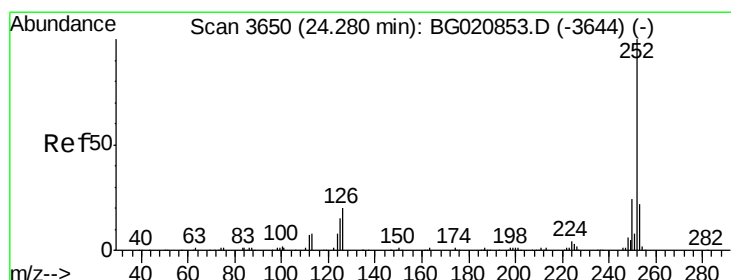
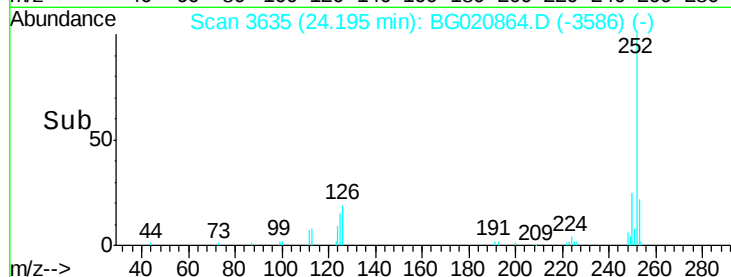
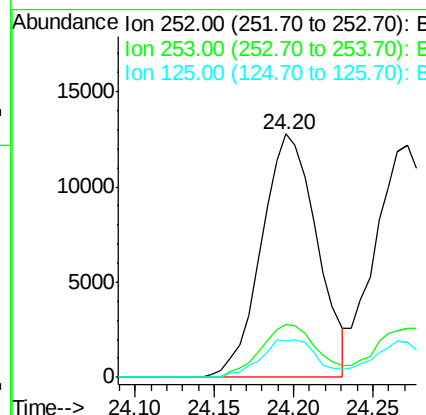
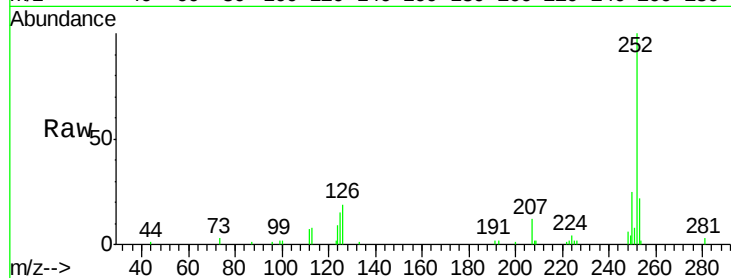




#87
Benzo(b)fluoranthene
Concen: 3.83 ng
RT: 24.20 min Scan# 3635
Delta R.T. -0.01 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

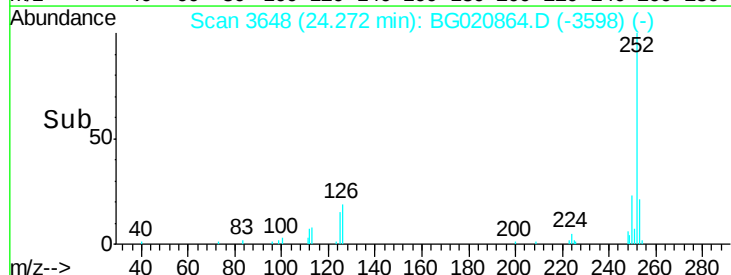
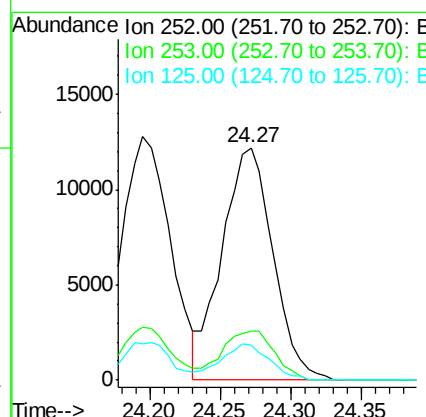
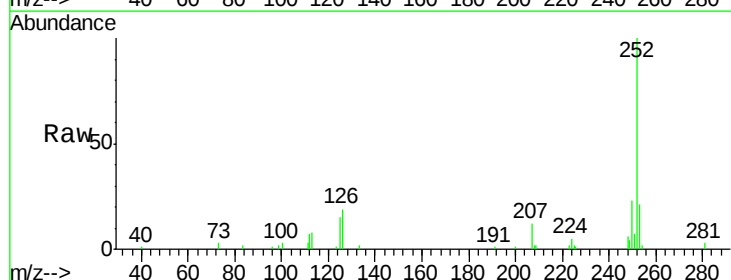
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

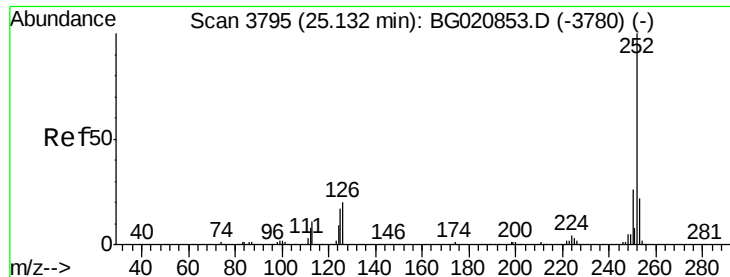
Tgt Ion:252 Resp: 31145
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 14.8 12.5 18.7



#88
Benzo(k)fluoranthene
Concen: 3.86 ng
RT: 24.27 min Scan# 3648
Delta R.T. -0.01 min
Lab File: BG020864.D
Acq: 11 Feb 2016 20:07

Tgt Ion:252 Resp: 30723
Ion Ratio Lower Upper
252 100
253 21.4 17.7 26.5
125 14.9 12.2 18.4





#89

Benzo(a)pyrene

Concen: 3.83 ng

RT: 25.12 min Scan# 3792

Delta R.T. -0.01 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

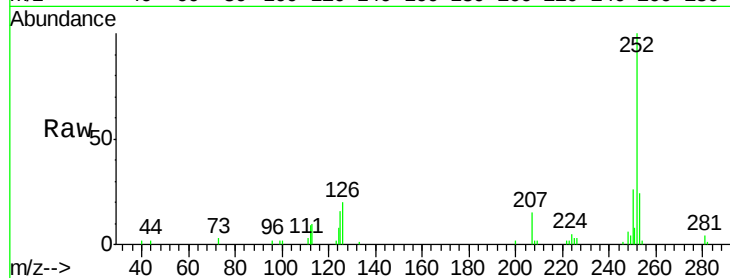
Tgt Ion:252 Resp: 29620

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.2

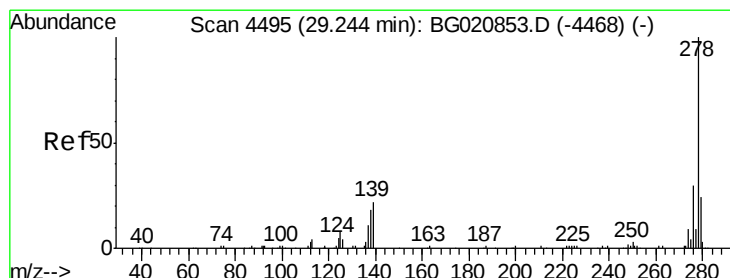
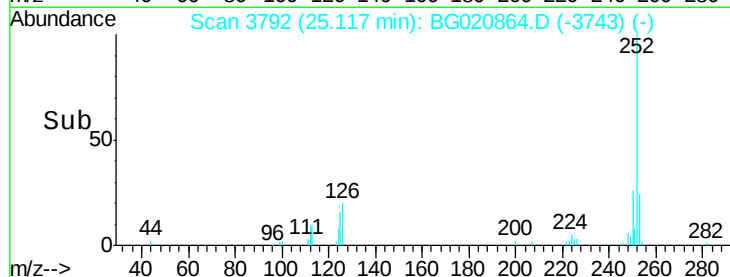
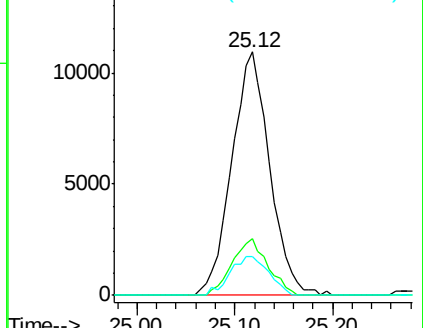
125 16.2 13.6 20.4



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: 3.68 ng

RT: 29.22 min Scan# 4490

Delta R.T. -0.03 min

Lab File: BG020864.D

Acq: 11 Feb 2016 20:07

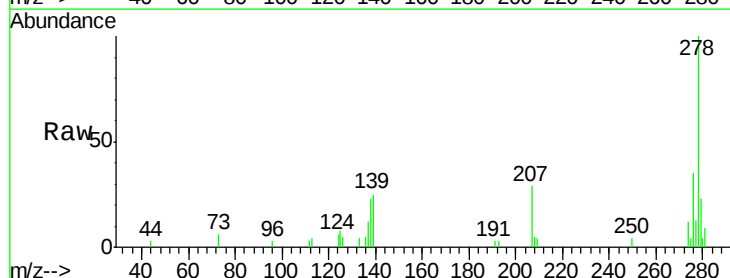
Tgt Ion:278 Resp: 27671

Ion Ratio Lower Upper

278 100

139 25.3 17.3 25.9

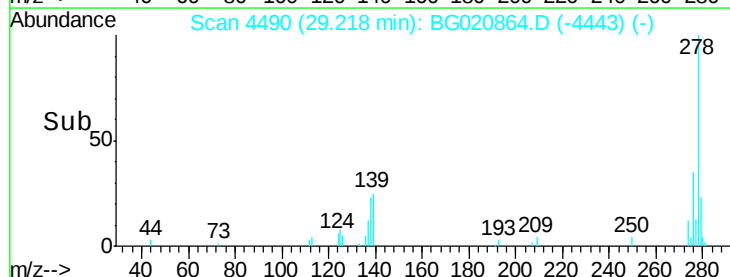
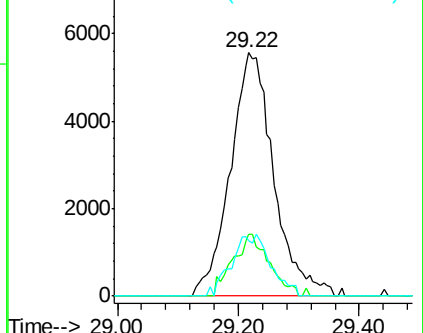
279 22.9 19.1 28.7

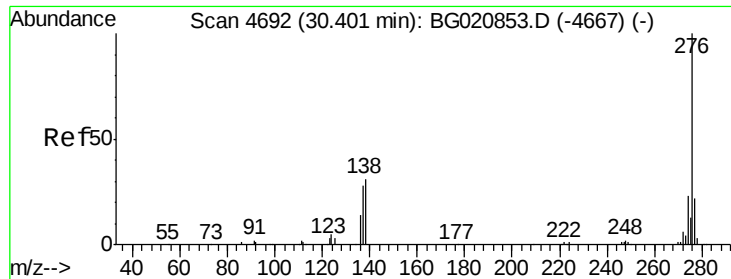


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.67 ng

RT: 30.36 min Scan# 4684

Delta R.T. -0.04 min

Lab File: BG020864.D

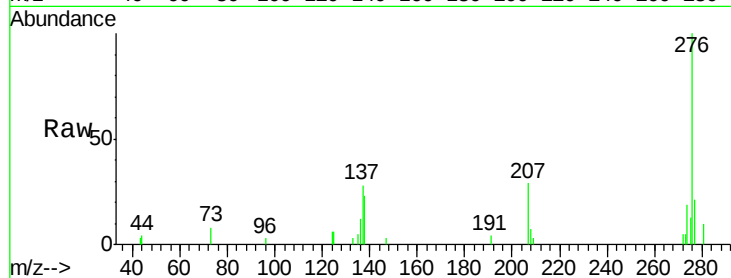
Acq: 11 Feb 2016 20:07

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01



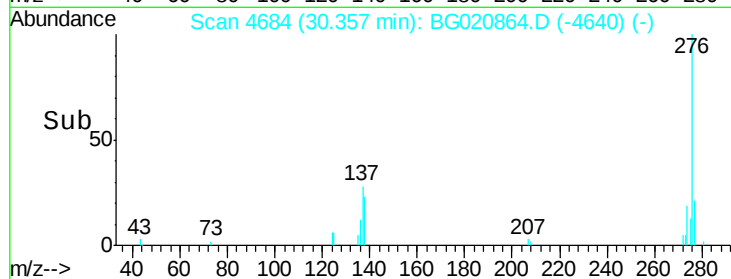
Tgt Ion: 276 Resp: 27409

Ion Ratio Lower Upper

276 100

277 21.0 17.6 26.4

138 23.1 25.2 37.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

