

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
 Data File : BG024098.D
 Acq On : 23 Sep 2016 21:58
 Operator : UM/SJ
 Sample : H4818-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Quant Time: Sep 24 00:26:05 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 15:35:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	38249	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	175480	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	154728	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	383350	20.00	ng	0.00
75) Chrysene-d12	21.79	240	416182	20.00	ng	0.00
86) Perylene-d12	25.13	264	406940	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	338085	153.13	ng	0.00
7) Phenol-d6	7.21	99	518137	139.48	ng	0.00
23) Nitrobenzene-d5	9.22	82	369788	83.06	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	291688	131.15	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	791802	86.02	ng	0.00
78) Terphenyl-d14	20.09	244	1524305	75.00	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.43	88	5382	6.37	ng	# 72
3) Pyridine	3.86	79	15111	5.06	ng	# 93
4) n-Nitrosodimethylamine	3.78	42	9745	6.44	ng	# 67
6) Aniline	7.37	93	21608	4.14	ng	# 86
8) 2-Chlorophenol	7.61	128	17787	6.73	ng	94
9) Benzaldehyde	7.19	77	20339	10.05	ng	89
10) Phenol	7.24	94	26863	6.88	ng	83
11) bis(2-Chloroethyl)ether	7.46	93	17529	5.69	ng	# 78
12) 1,3-Dichlorobenzene	7.93	146	19371	6.57	ng	95
13) 1,4-Dichlorobenzene	7.93	146	19371	6.44	ng	97
14) 1,2-Dichlorobenzene	8.40	146	19611	6.70	ng	96
15) Benzyl Alcohol	8.30	79	16388	4.56	ng	# 90
16) 2,2'-oxybis(1-Chloropropan	8.57	45	25505	6.00	ng	94
17) 2-Methylphenol	8.51	107	16861	6.49	ng	86
18) Hexachloroethane	9.12	117	8439	6.66	ng	88
19) n-Nitroso-di-n-propylamine	8.85	70	19471	5.34	ng	# 94
20) 3+4-Methylphenols	8.85	107	21922	5.81	ng	82
22) Acetophenone	8.88	105	32989	6.52	ng	# 95
24) Nitrobenzene	9.26	77	29919	6.27	ng	93
25) Isophorone	9.78	82	54542	6.01	ng	# 91
26) 2-Nitrophenol	9.99	139	9740	5.75	ng	98
27) 2,4-Dimethylphenol	10.05	122	17797	6.29	ng	# 83
28) bis(2-Chloroethoxy)methane	10.28	93	26747	6.06	ng	# 88
29) 2,4-Dichlorophenol	10.56	162	18694	6.35	ng	92
30) 1,2,4-Trichlorobenzene	10.73	180	20507	6.50	ng	94
31) Naphthalene	10.93	128	58479	6.58	ng	99
32) Benzoic acid	10.25	122	1761	3.02	ng	# 74
33) 4-Chloroaniline	11.06	127	19013	4.79	ng	94
34) Hexachlorobutadiene	11.19	225	15870	6.39	ng	94
35) Caprolactam	11.83	113	6371	5.32	ng	# 80
36) 4-Chloro-3-methylphenol	12.20	107	24330	5.87	ng	99
37) 2-Methylnaphthalene	12.54	142	44268	6.50	ng	94
39) 1,2,4,5-Tetrachlorobenzene	12.91	216	26891	5.95	ng	95
40) Hexachlorocyclopentadiene	12.87	237	2642	5.20	ng	# 76

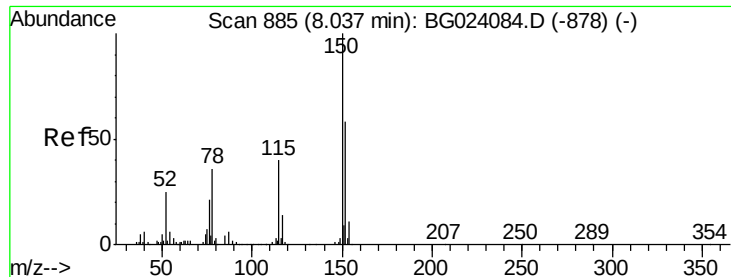
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.17	196	17059	5.84	ng	89
43) 2,4,5-Trichlorophenol	13.27	196	19272	6.41	ng	90
45) 1,1'-Biphenyl	13.55	154	67006	6.33	ng	95
46) 2-Chloronaphthalene	13.59	162	49973	6.33	ng	93
47) 2-Nitroaniline	13.82	65	20862	5.68	ng	# 87
48) Acenaphthylene	14.44	152	84797	6.32	ng	98
49) Dimethylphthalate	14.16	163	80545	6.79	ng	99
50) 2,6-Dinitrotoluene	14.31	165	15379	6.17	ng	95
51) Acenaphthene	14.78	154	52661	6.47	ng	95
52) 3-Nitroaniline	14.66	138	12398	4.98	ng	86
53) 2,4-Dinitrophenol	14.85	184	175	2.58	ng	# 37
54) Dibenzofuran	15.12	168	92578	7.31	ng	99
55) 4-Nitrophenol	15.06	139	5196	7.80	ng	# 75
56) 2,4-Dinitrotoluene	15.10	165	24307	6.41	ng	# 84
57) Fluorene	15.77	166	75609	6.86	ng	# 89
58) 2,3,4,6-Tetrachlorophenol	15.36	232	19625	6.76	ng	# 90
59) Diethylphthalate	15.53	149	89855	7.03	ng	95
60) 4-Chlorophenyl-phenylether	15.76	204	37654	6.38	ng	92
61) 4-Nitroaniline	15.83	138	14853	5.76	ng	91
62) Azobenzene	16.05	77	93565	7.20	ng	90
64) 4,6-Dinitro-2-methylphenol	15.89	198	10305	3.87	ng	91
65) n-Nitrosodiphenylamine	15.97	169	70685	6.74	ng	92
66) 4-Bromophenyl-phenylether	16.65	248	29578	6.65	ng	90
67) Hexachlorobenzene	16.78	284	30611	6.11	ng	# 91
68) Atrazine	16.93	200	29538	6.38	ng	99
69) Pentachlorophenol	17.15	266	7578	6.35	ng	# 77
70) Phenanthrene	17.52	178	139308	7.13	ng	96
71) Anthracene	17.52	178	139308	6.95	ng	96
72) Carbazole	17.91	167	121885	6.53	ng	94
73) Di-n-butylphthalate	18.43	149	153376	6.28	ng	98
74) Fluoranthene	19.55	202	173724	6.82	ng	94
76) Benzidine	19.74	184	50125	4.25	ng	97
77) Pyrene	19.91	202	174916	6.02	ng	94
79) Butylbenzylphthalate	20.78	149	63550	5.94	ng	91
80) Benzo(a)anthracene	21.77	228	162464	6.86	ng	# 90
81) 3,3'-Dichlorobenzidine	21.70	252	28791	3.39	ng	95
82) Chrysene	21.84	228	155664	6.99	ng	95
83) Bis(2-ethylhexyl)phthalate	21.64	149	94070	7.36	ng	# 93
84) Di-n-octyl phthalate	22.88	149	165155	7.49	ng	99
85) Indeno(1,2,3-cd)pyrene	28.95	276	173951	7.00	ng	# 100
87) Benzo(b)fluoranthene	24.06	252	163307	6.90	ng	# 98
88) Benzo(k)fluoranthene	24.13	252	152112	6.47	ng	# 96
89) Benzo(a)pyrene	24.97	252	153286	6.70	ng	# 92
90) Dibenzo(a,h)anthracene	29.01	278	149932	6.56	ng	# 97
91) Benzo(g,h,i)perylene	30.18	276	146348	6.36	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 886

Delta R.T. 0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

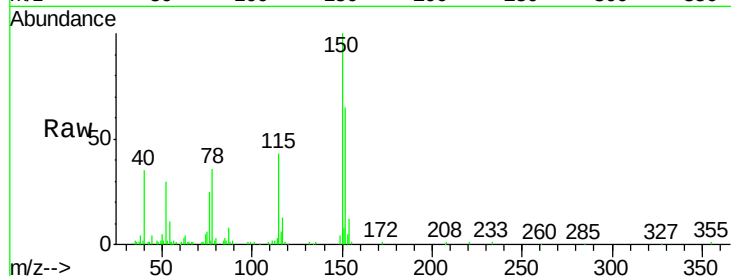
Tgt Ion:152 Resp: 38249

Ion Ratio Lower Upper

152 100

150 154.3 144.7 217.1

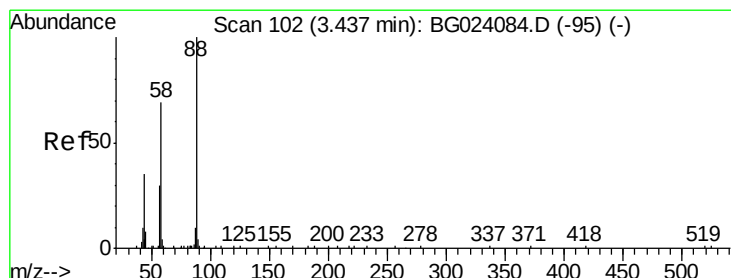
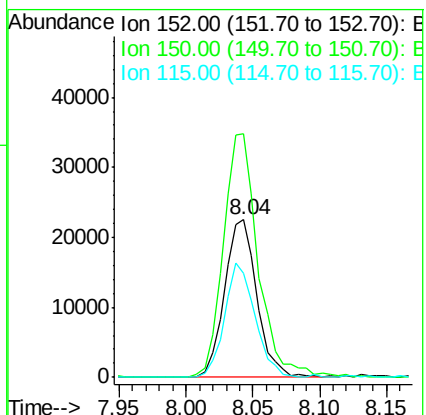
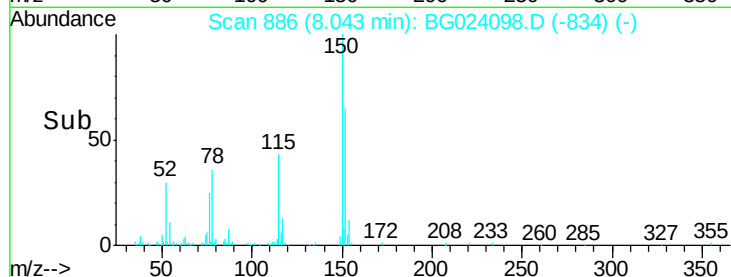
115 65.6 64.0 96.0



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: 6.37 ng

RT: 3.43 min Scan# 101

Delta R.T. -0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

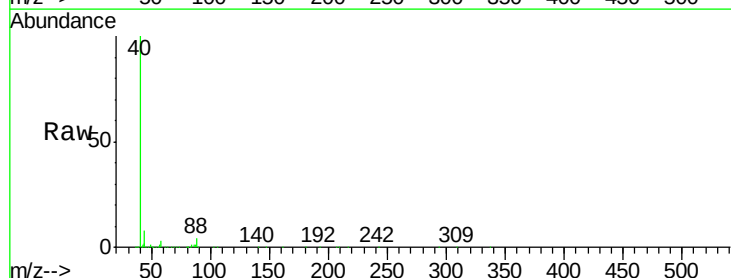
Tgt Ion: 88 Resp: 5382

Ion Ratio Lower Upper

88 100

58 98.6 60.4 90.6#

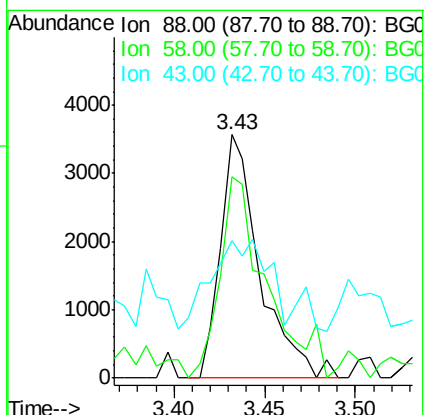
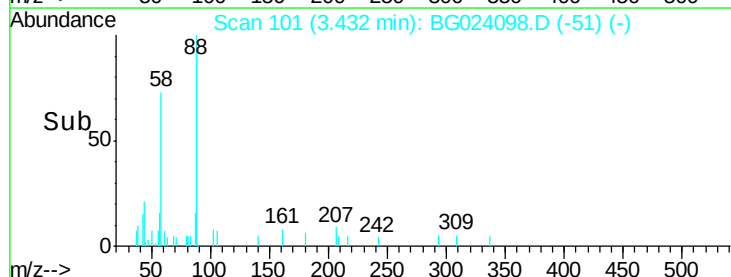
43 56.8 31.1 46.7#

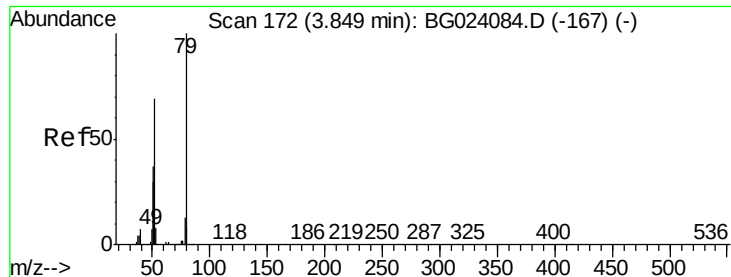


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 5.06 ng

RT: 3.86 min Scan# 174

Delta R.T. 0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

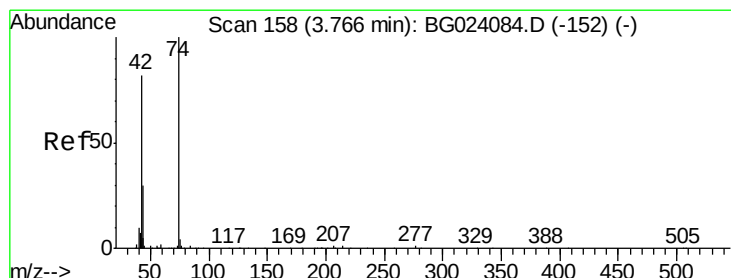
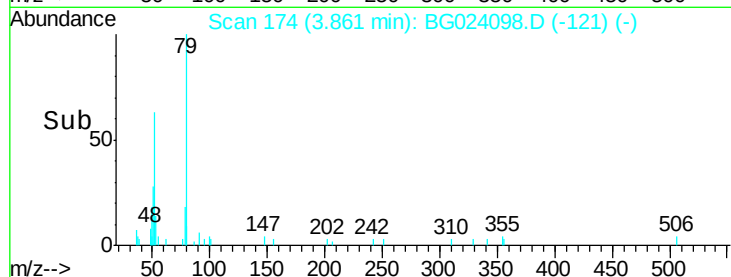
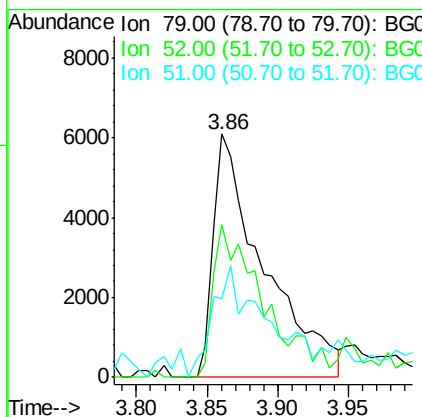
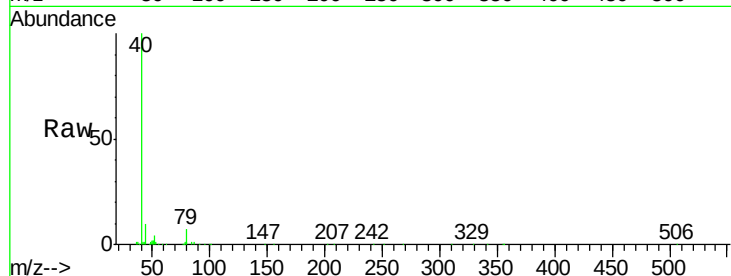
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:	79	Resp:	15111
Ion	Ratio	Lower	Upper
79	100		
52	62.7	51.8	77.8
51	32.1	32.7	49.1#



#4

n-Nitrosodimethylamine

Concen: 6.44 ng

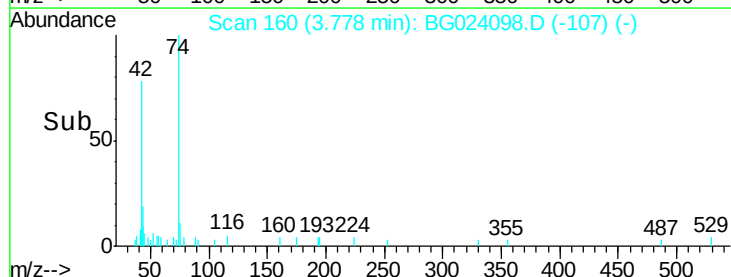
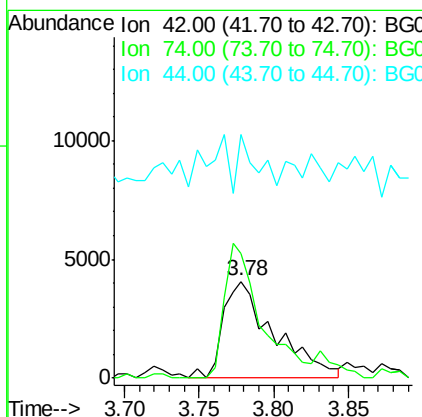
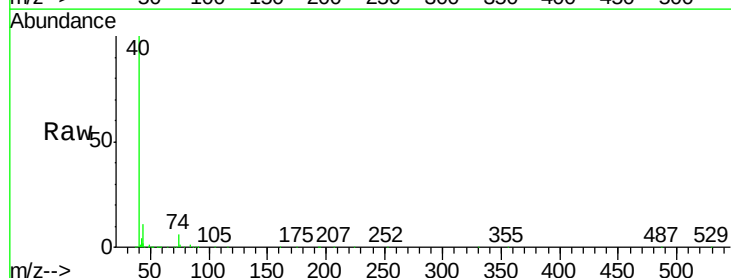
RT: 3.78 min Scan# 160

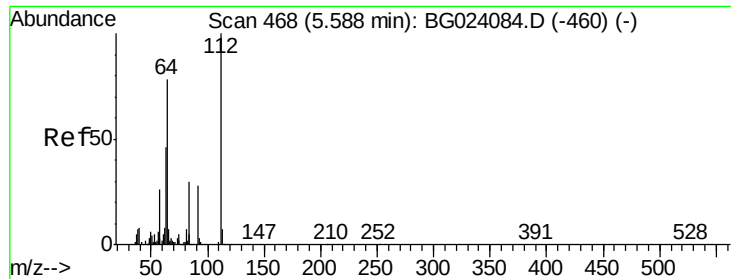
Delta R.T. 0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Tgt Ion:	42	Resp:	9745
Ion	Ratio	Lower	Upper
42	100		
74	128.3	100.6	150.8
44	250.6	4.5	6.7#





#5

2-Fluorophenol

Concen: 153.13 ng

RT: 5.59 min Scan# 468

Delta R.T. 0.00 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

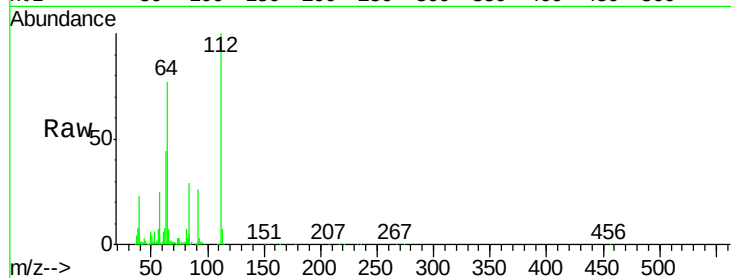
Tgt Ion: 112 Resp: 338085

Ion Ratio Lower Upper

112 100

64 76.6 59.0 88.4

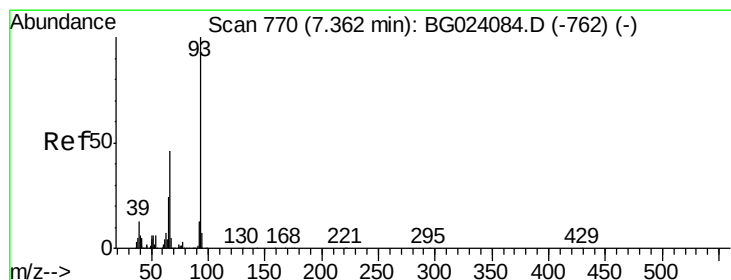
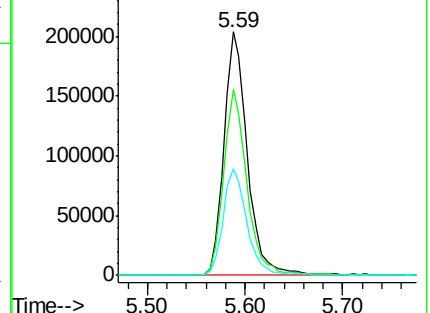
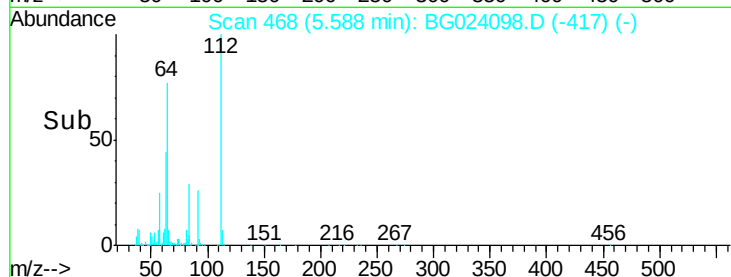
63 44.0 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 4.14 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

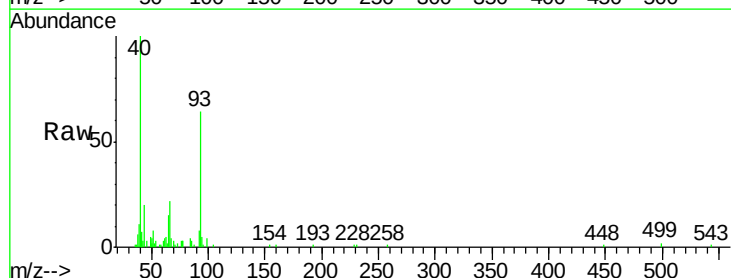
Tgt Ion: 93 Resp: 21608

Ion Ratio Lower Upper

93 100

66 33.9 37.5 56.3#

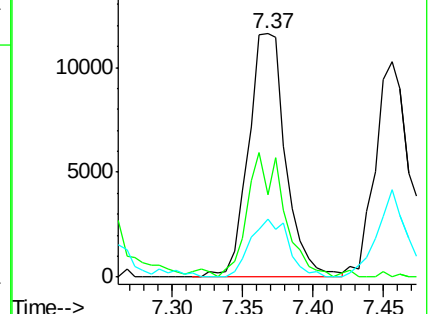
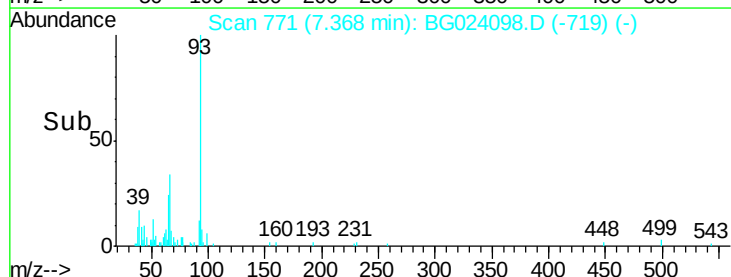
65 23.9 17.9 26.9

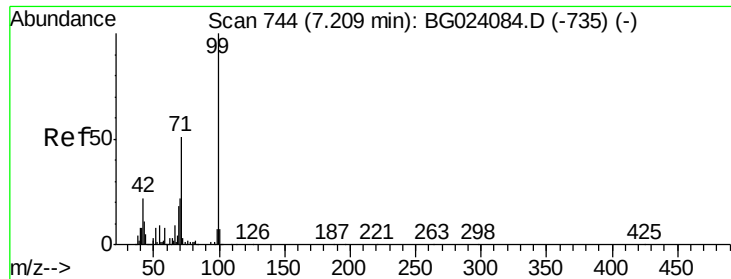


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 139.48 ng

RT: 7.21 min Scan# 744

Delta R.T. 0.00 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

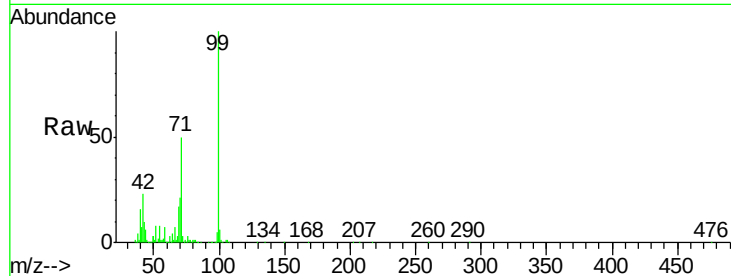
Tgt Ion: 99 Resp: 518137

Ion Ratio Lower Upper

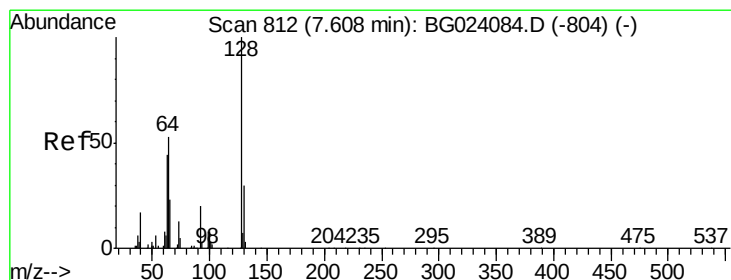
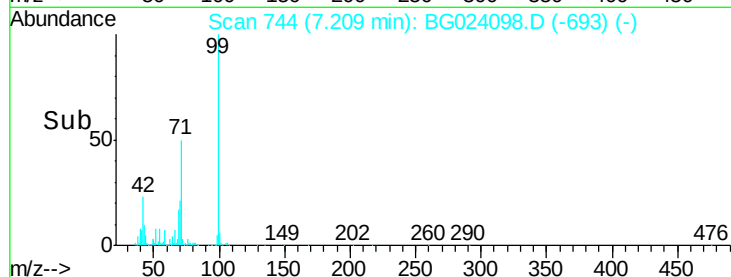
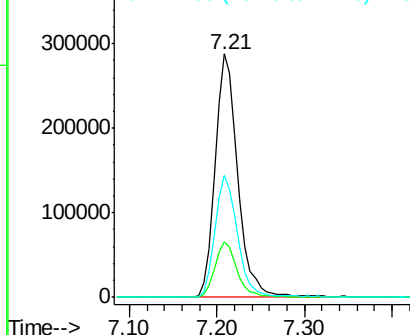
99 100

42 22.5 17.8 26.6

71 49.9 41.5 62.3



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



#8

2-Chlorophenol

Concen: 6.73 ng

RT: 7.61 min Scan# 812

Delta R.T. 0.00 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

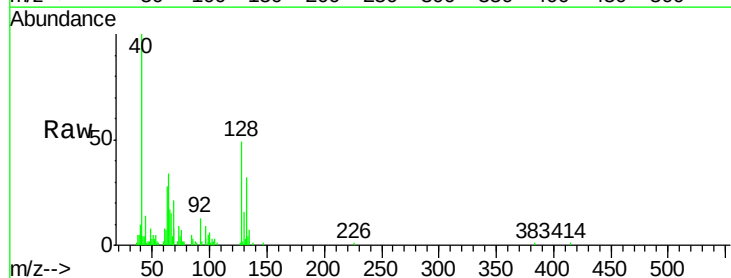
Tgt Ion: 128 Resp: 17787

Ion Ratio Lower Upper

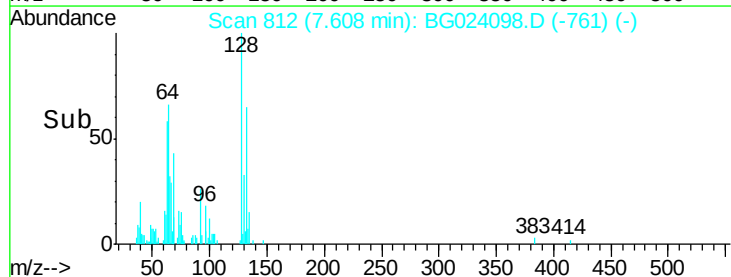
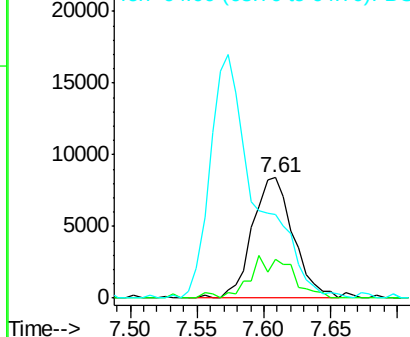
128 100

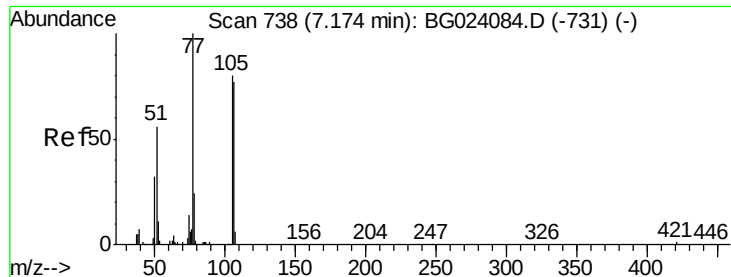
130 32.7 12.9 52.9

64 69.3 42.0 82.0



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: 10.05 ng

RT: 7.19 min Scan# 740

Delta R.T. 0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

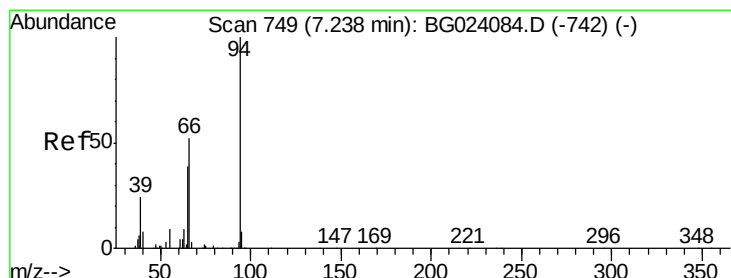
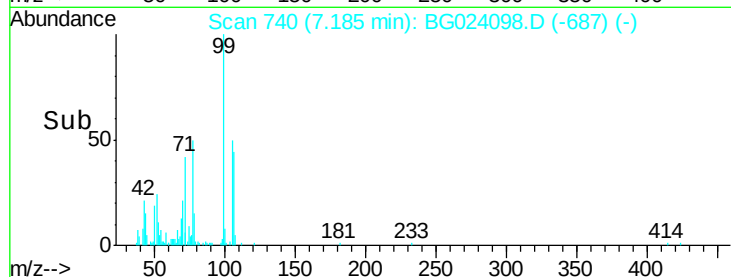
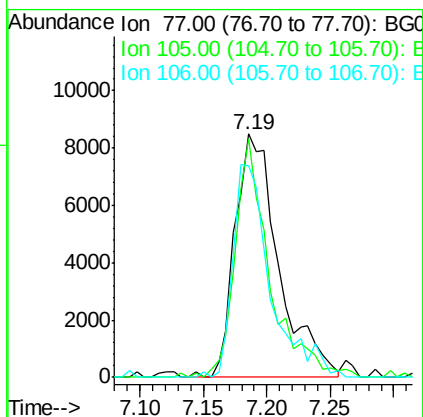
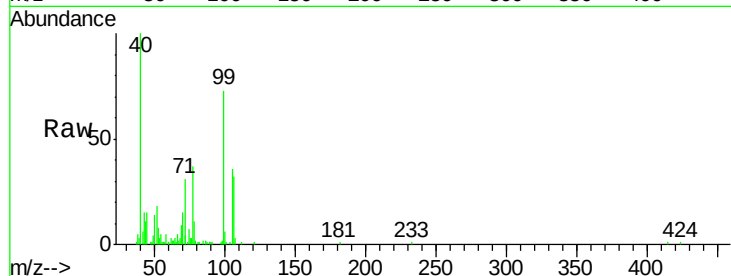
Tgt Ion: 77 Resp: 20339

Ion Ratio Lower Upper

77 100

105 98.2 58.7 98.7

106 87.0 67.5 107.5



#10

Phenol

Concen: 6.88 ng

RT: 7.24 min Scan# 749

Delta R.T. 0.00 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

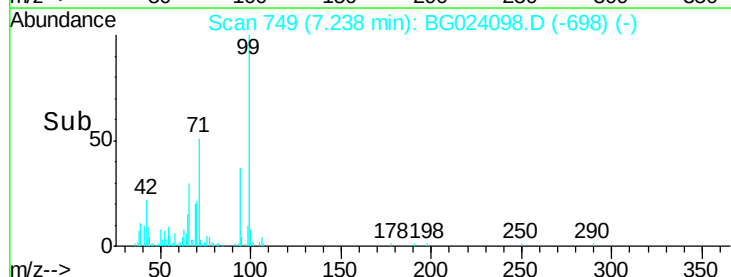
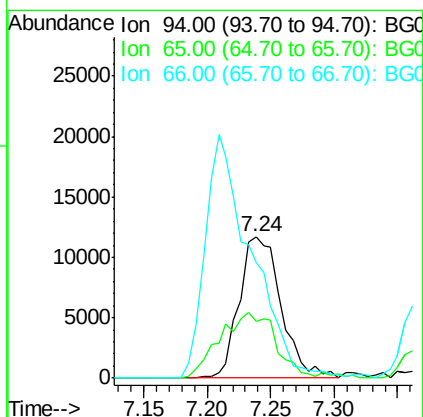
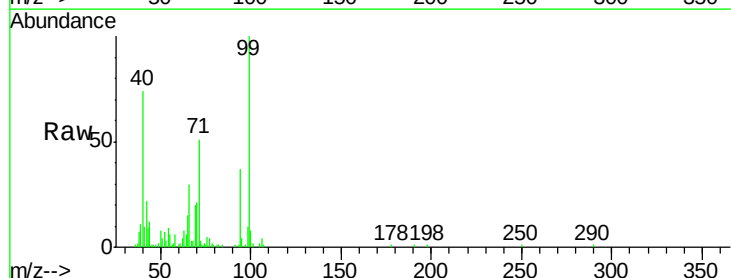
Tgt Ion: 94 Resp: 26863

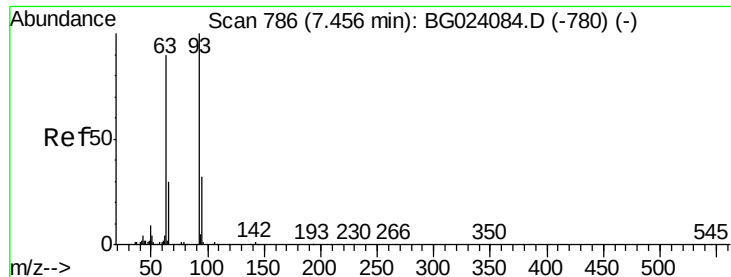
Ion Ratio Lower Upper

94 100

65 40.3 18.1 58.1

66 81.2 42.1 82.1

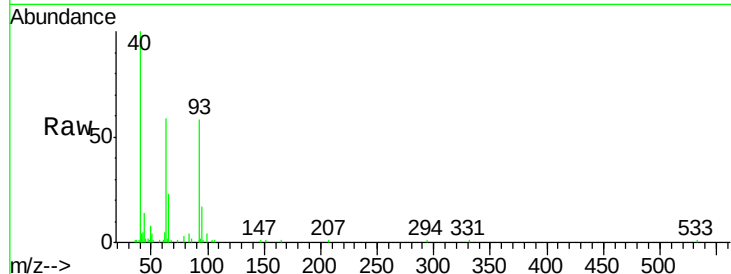




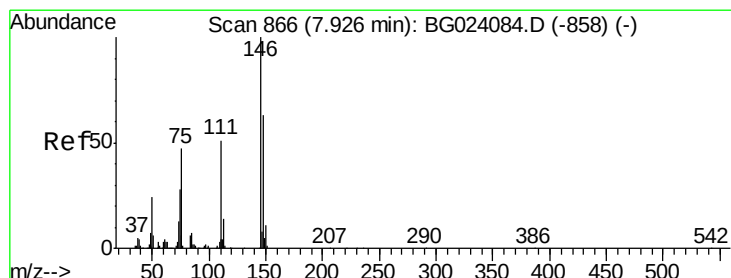
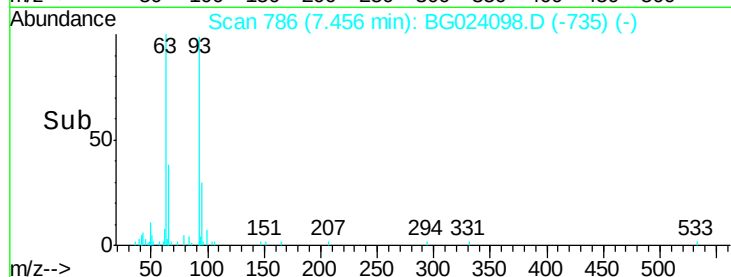
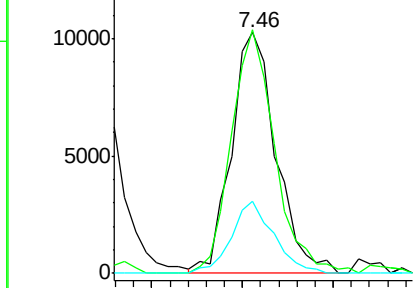
#11
bis(2-Chloroethyl)ether
Concen: 5.69 ng
RT: 7.46 min Scan# 786
Delta R.T. 0.00 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion: 93 Resp: 17529
Ion Ratio Lower Upper
93 100
63 101.1 55.0 95.0#
95 30.1 11.0 51.0

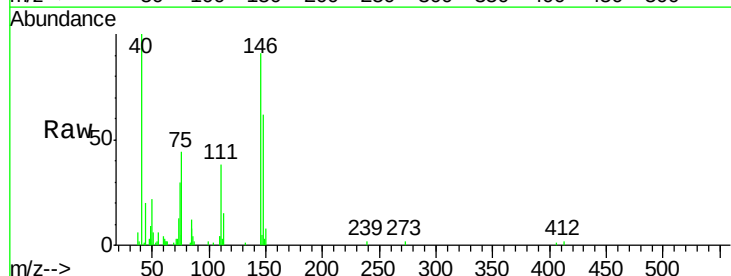


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

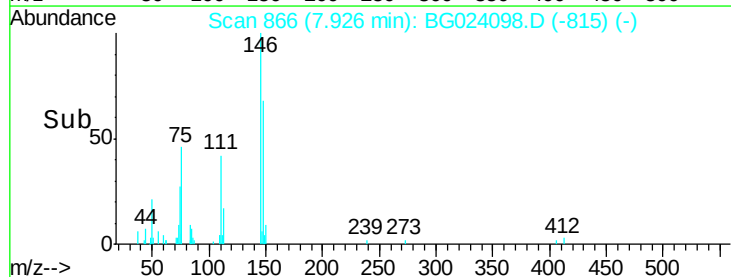
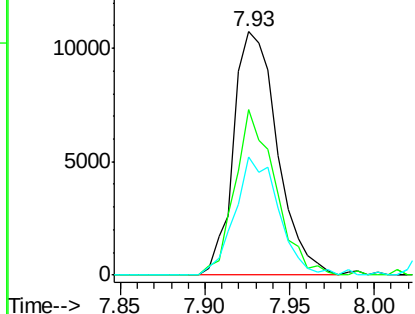


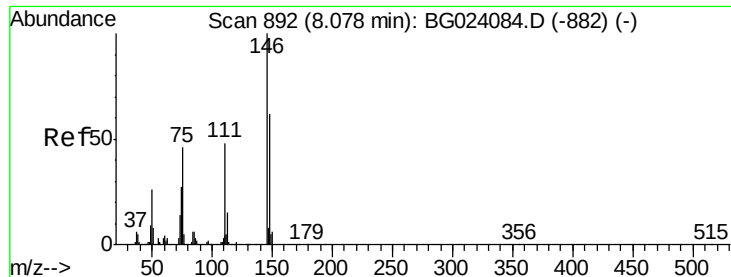
#12
1,3-Dichlorobenzene
Concen: 6.57 ng
RT: 7.93 min Scan# 866
Delta R.T. 0.00 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

Tgt Ion: 146 Resp: 19371
Ion Ratio Lower Upper
146 100
148 67.8 50.3 75.5
75 48.7 37.0 55.6



Abundance Ion 146.00 (145.70 to 146.70): BGC
Ion 148.00 (147.70 to 148.70): BGC
Ion 75.00 (74.70 to 75.70): BGC

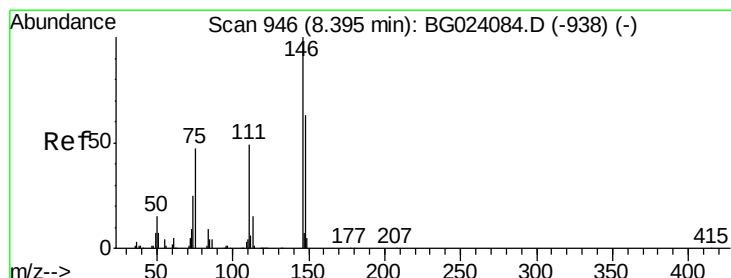
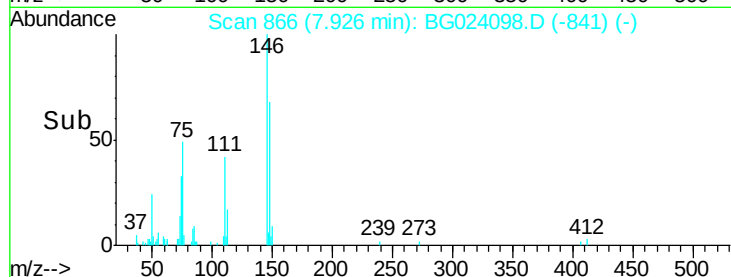
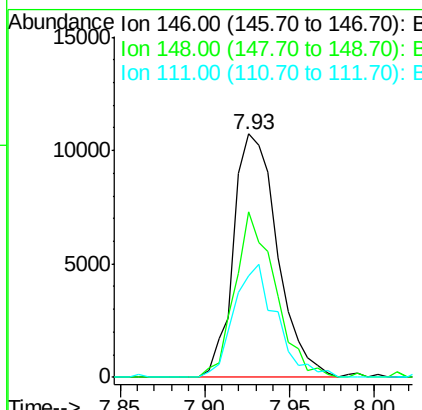
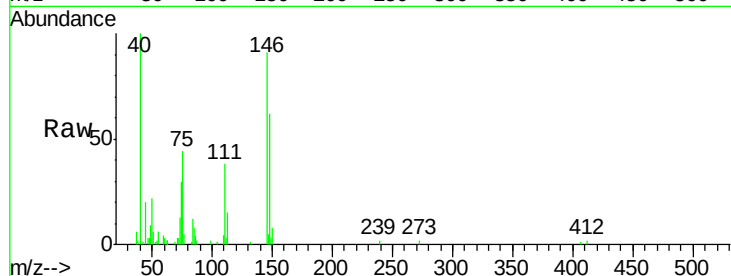




#13
 1,4-Dichlorobenzene
 Concen: 6.44 ng
 RT: 7.93 min Scan# 866
 Delta R.T. -0.15 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

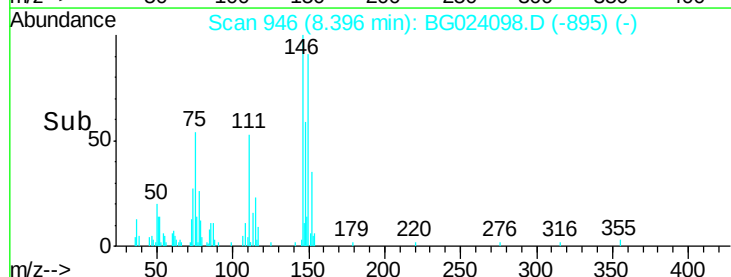
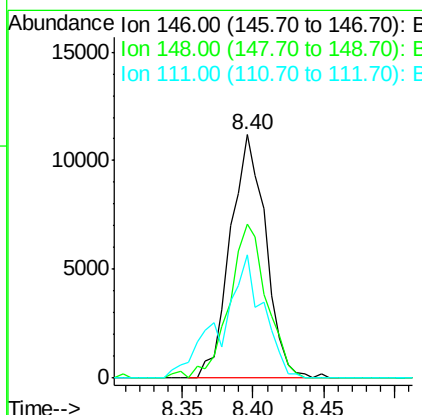
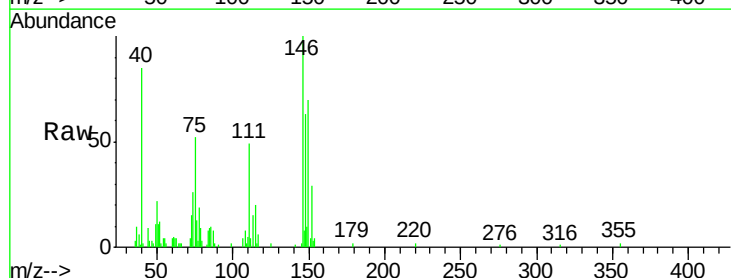
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

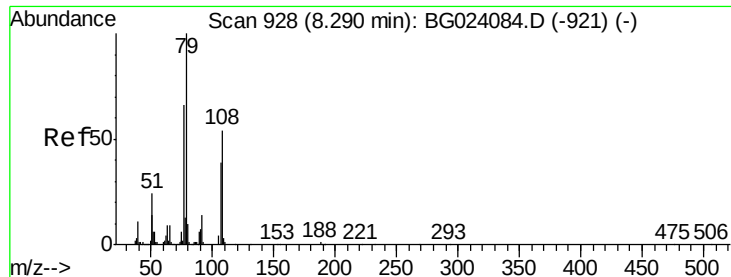
Tgt Ion:146 Resp: 19371
 Ion Ratio Lower Upper
 146 100
 148 67.8 54.5 81.7
 111 41.9 37.8 56.8



#14
 1,2-Dichlorobenzene
 Concen: 6.70 ng
 RT: 8.40 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

Tgt Ion:146 Resp: 19611
 Ion Ratio Lower Upper
 146 100
 148 63.1 52.9 79.3
 111 50.8 43.5 65.3





#15

Benzyl Alcohol

Concen: 4.56 ng

RT: 8.30 min Scan# 930

Delta R.T. 0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

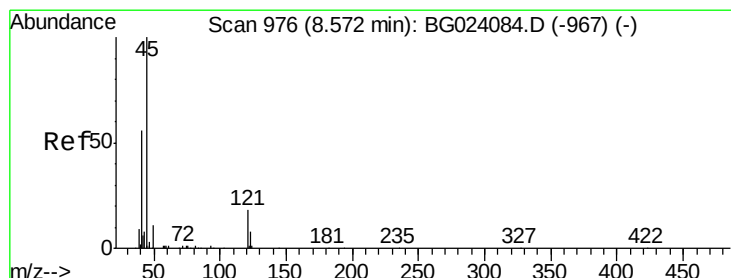
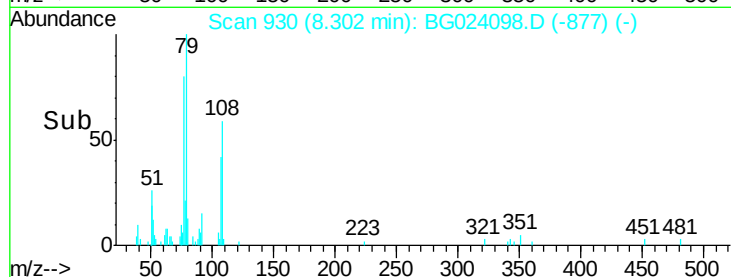
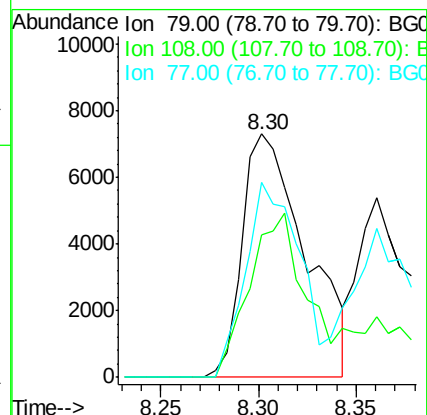
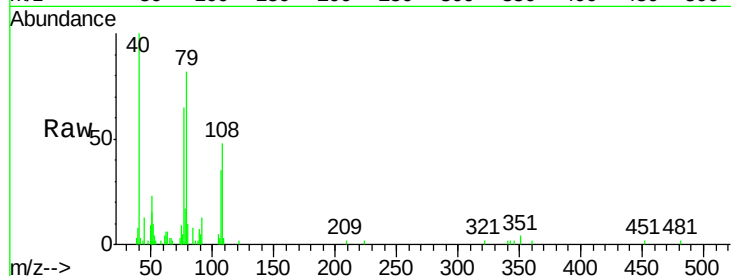
Tgt Ion: 79 Resp: 16388

Ion Ratio Lower Upper

79 100

108 58.5 46.5 69.7

77 80.1 52.3 78.5#



#16

2,2'-oxybis(1-chloropropane)

Concen: 6.00 ng

RT: 8.57 min Scan# 976

Delta R.T. 0.00 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

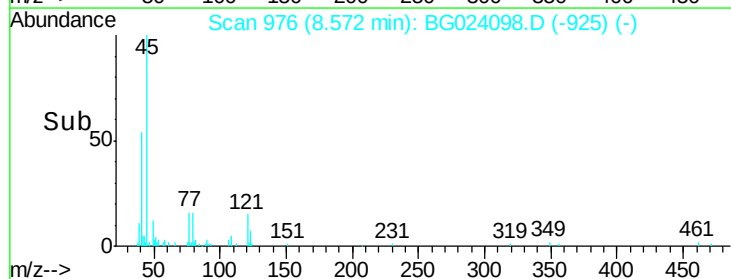
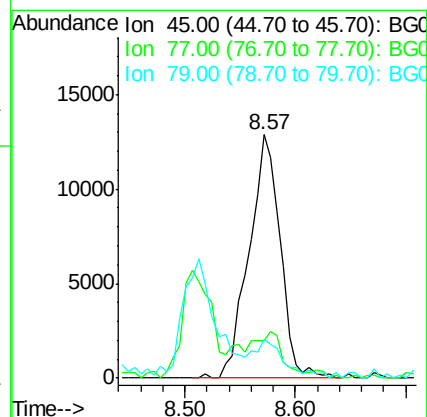
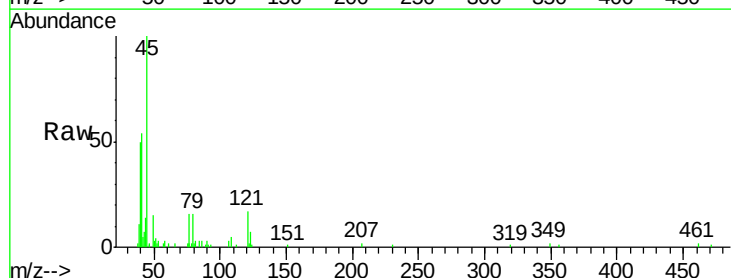
Tgt Ion: 45 Resp: 25505

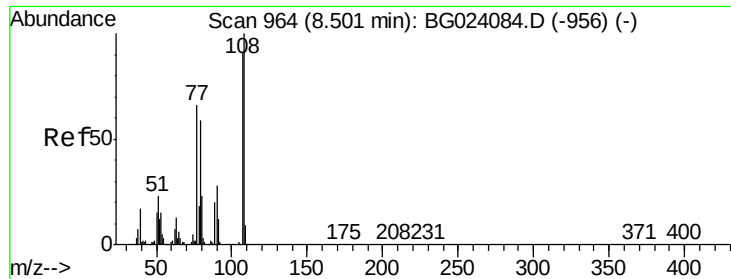
Ion Ratio Lower Upper

45 100

77 15.5 0.6 40.6

79 16.0 0.0 36.2





#17

2-Methylphenol

Concen: 6.49 ng

RT: 8.51 min Scan# 966

Delta R.T. 0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:107 Resp: 16861

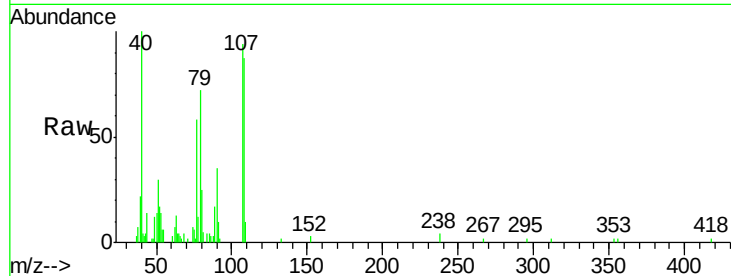
Ion Ratio Lower Upper

107 100

108 92.8 92.0 138.0

77 61.8 55.8 83.6

79 76.5 55.0 82.6

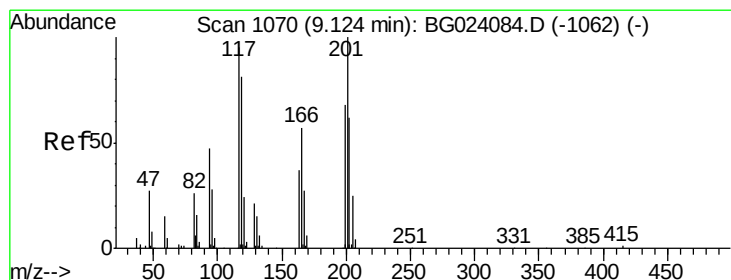
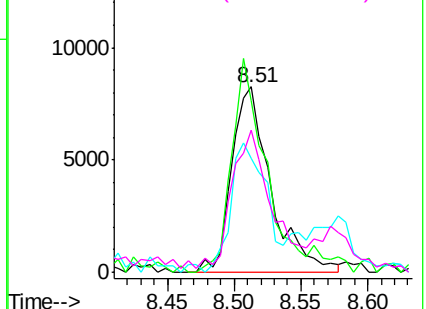
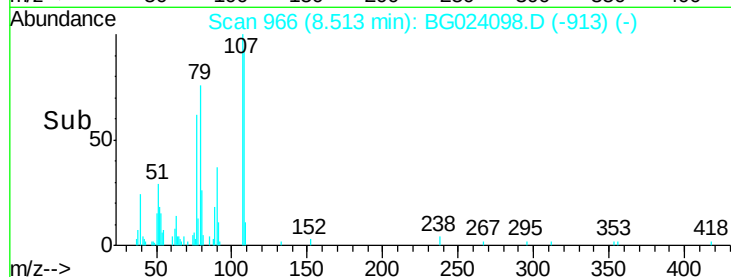


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 6.66 ng

RT: 9.12 min Scan# 1070

Delta R.T. 0.00 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

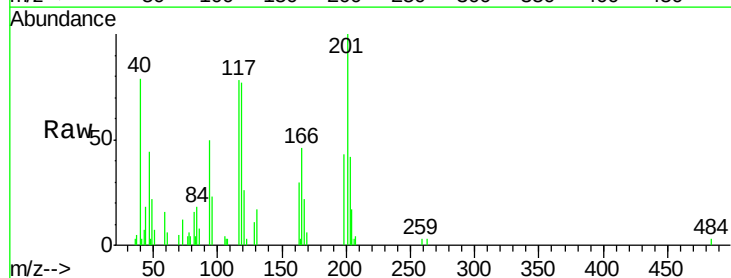
Tgt Ion:117 Resp: 8439

Ion Ratio Lower Upper

117 100

119 98.9 73.7 110.5

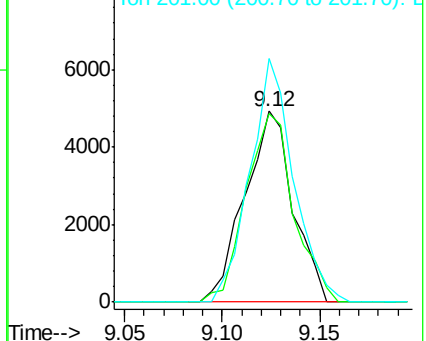
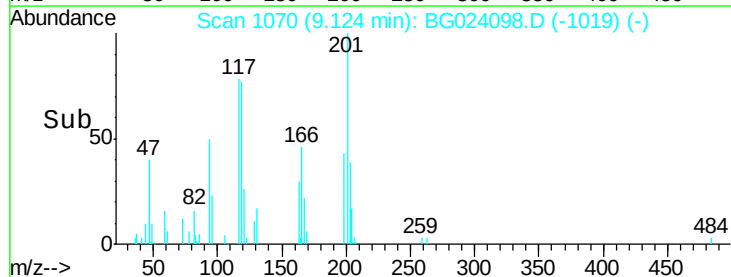
201 127.7 88.7 133.1

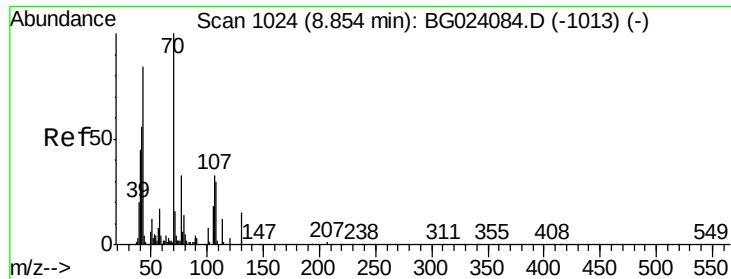


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

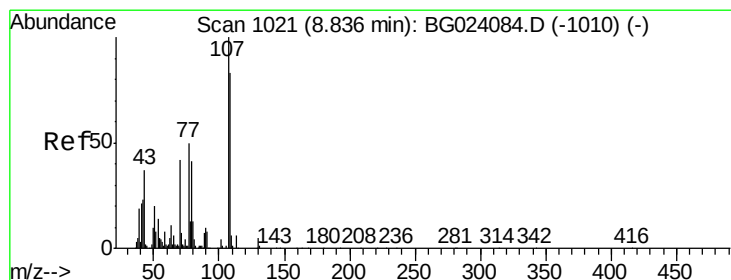
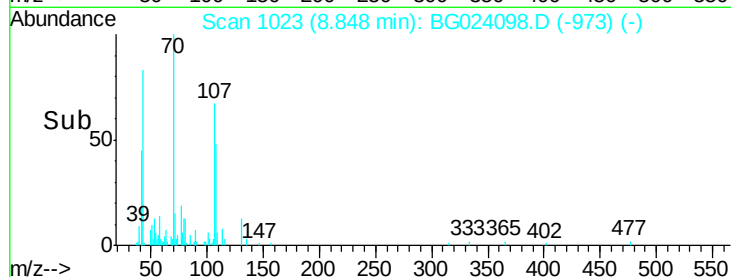
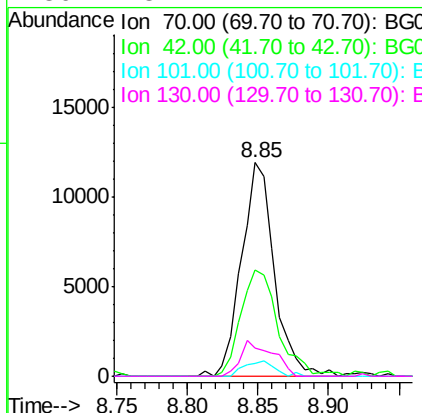
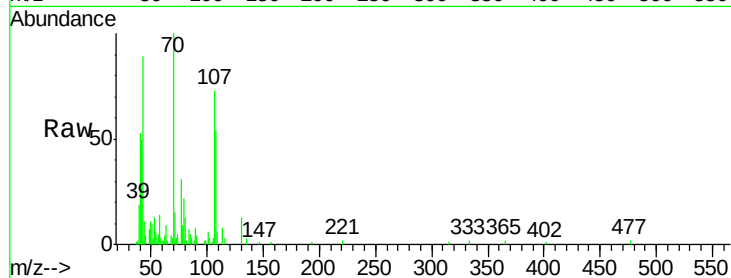




#19
n-Nitroso-di-n-propylamine
Concen: 5.34 ng
RT: 8.85 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

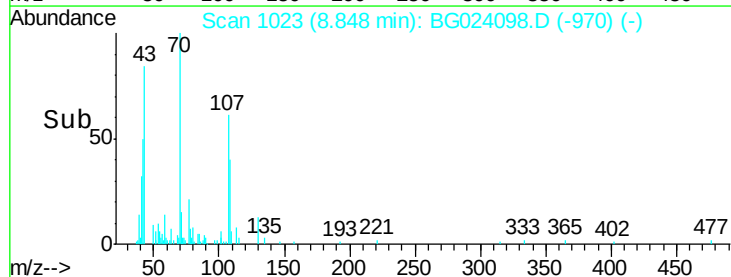
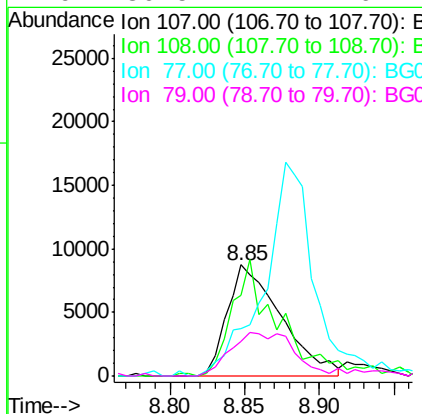
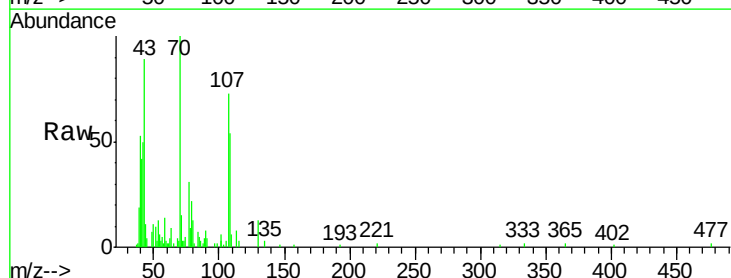
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

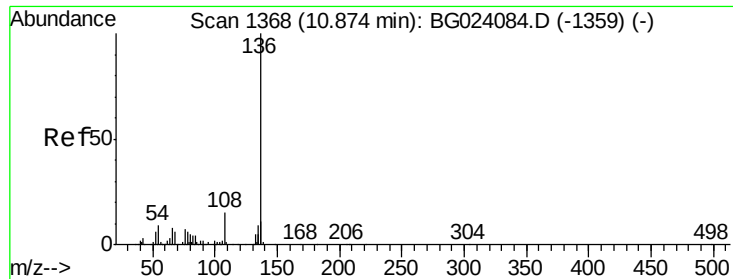
Tgt Ion:	70	Resp:	19471
Ion	Ratio	Lower	Upper
70	100		
42	49.7	42.1	63.1
101	6.0	7.2	10.8#
130	13.1	14.2	21.2#



#20
3+4-Methylphenols
Concen: 5.81 ng
RT: 8.85 min Scan# 1023
Delta R.T. 0.01 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

Tgt Ion:	107	Resp:	21922
Ion	Ratio	Lower	Upper
107	100		
108	72.9	72.5	112.5
77	42.6	30.1	70.1
79	30.5	24.2	64.2

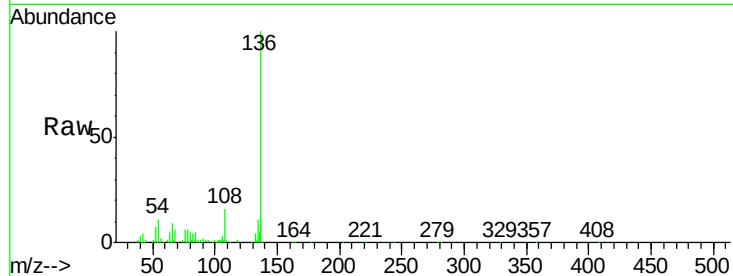




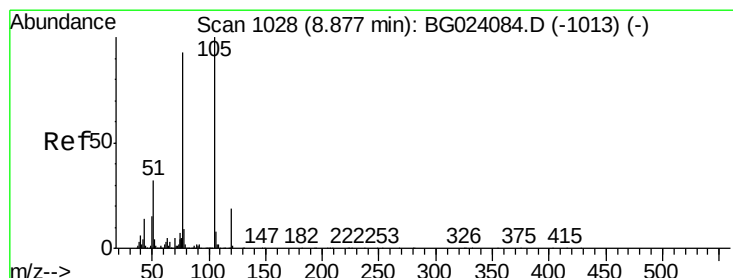
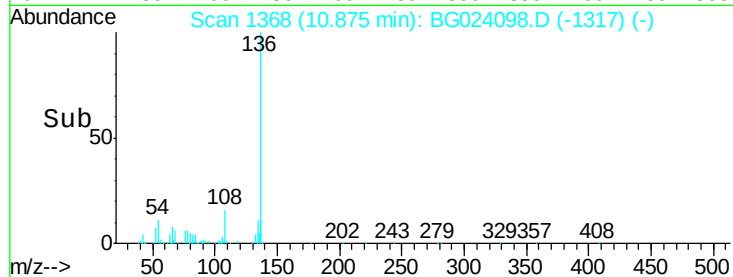
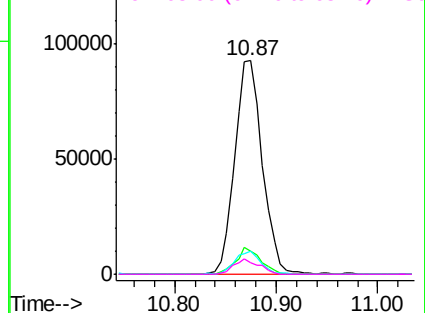
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.87 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:	136	Resp:	175480
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.6	14.4
54	10.5	7.3	10.9
68	5.5	5.3	7.9

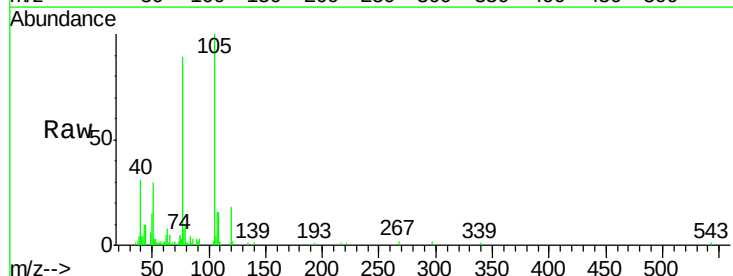


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

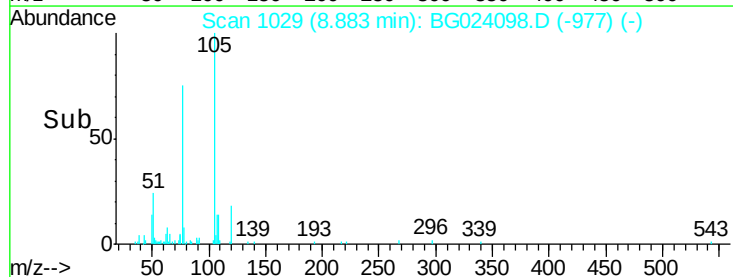
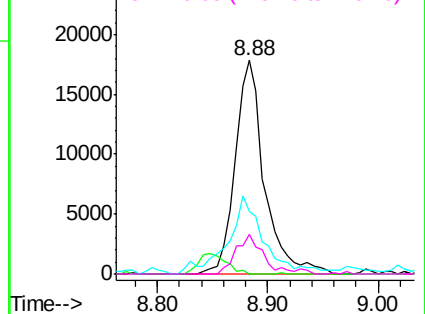


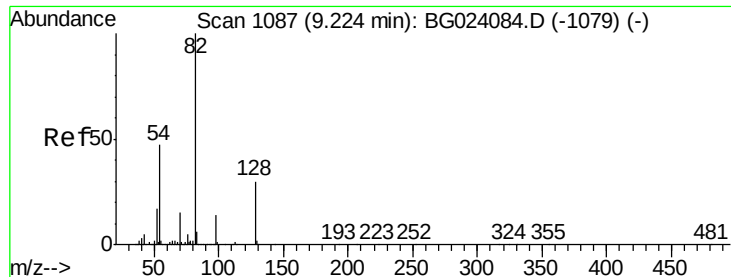
#22
Acetophenone
Concen: 6.52 ng
RT: 8.88 min Scan# 1029
Delta R.T. 0.01 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

Tgt Ion:	105	Resp:	32989
Ion	Ratio	Lower	Upper
105	100		
71	0.0	2.6	3.8#
51	29.6	27.1	40.7
120	18.4	15.1	22.7



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

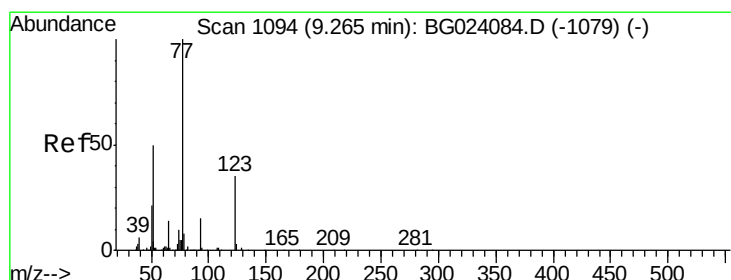
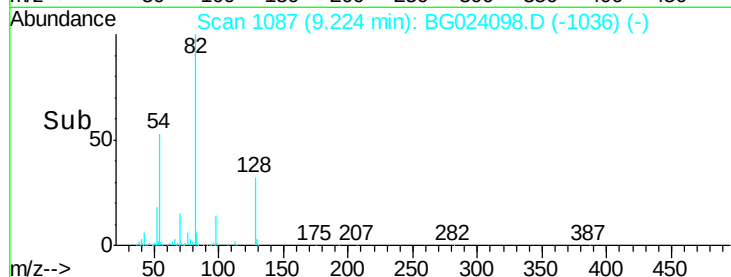
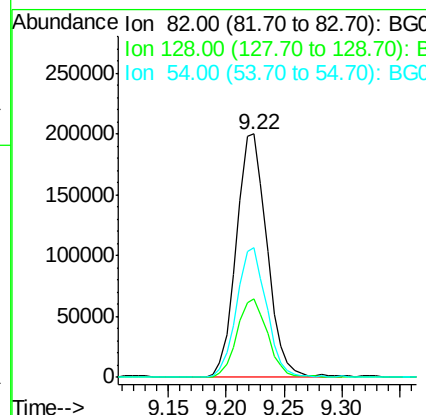
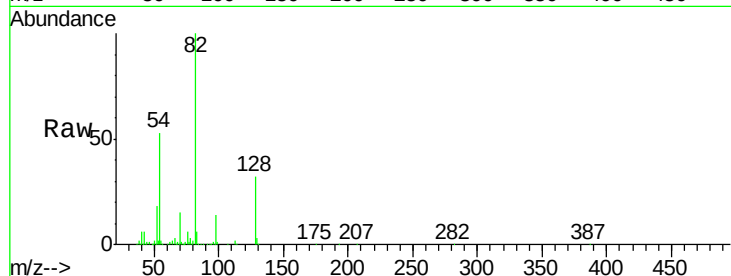




#23
 Nitrobenzene-d5
 Concen: 83.06 ng
 RT: 9.22 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

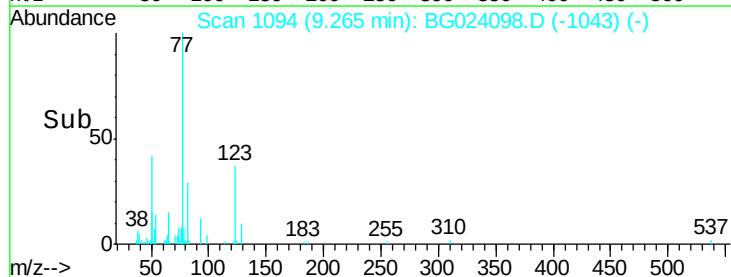
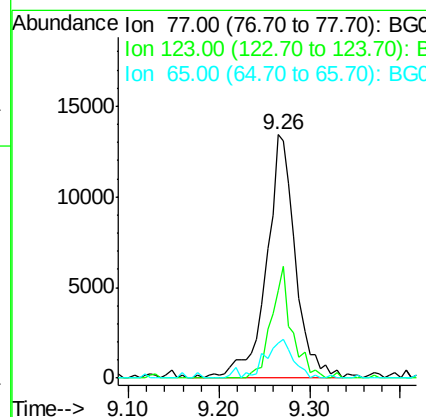
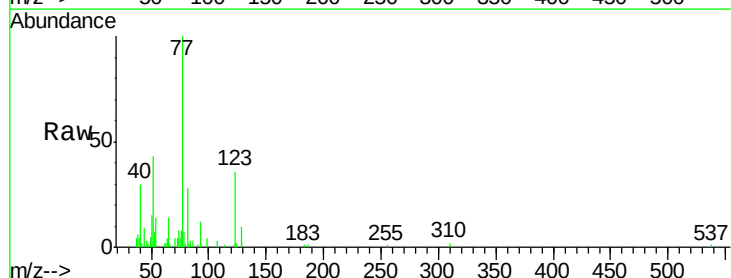
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

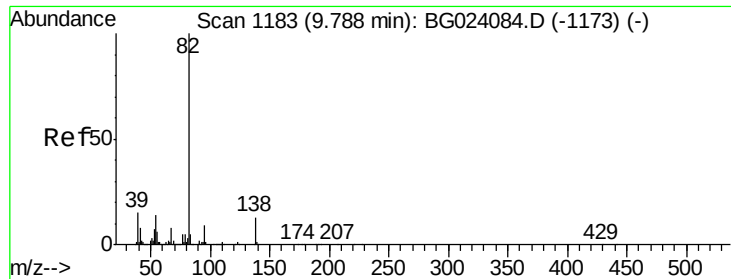
Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.3	24.4	36.6
54	53.0	41.4	62.0



#24
 Nitrobenzene
 Concen: 6.27 ng
 RT: 9.26 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

Tgt Ion	Ratio	Lower	Upper
77	100		
123	35.8	25.0	37.6
65	14.3	13.4	20.0

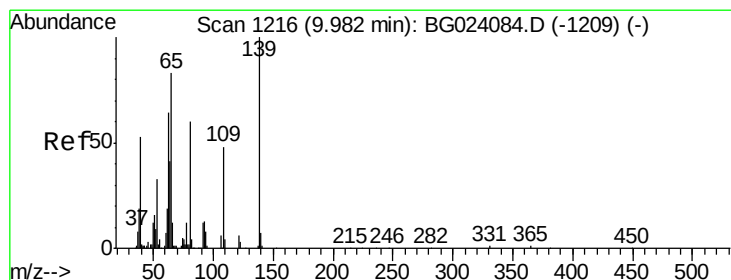
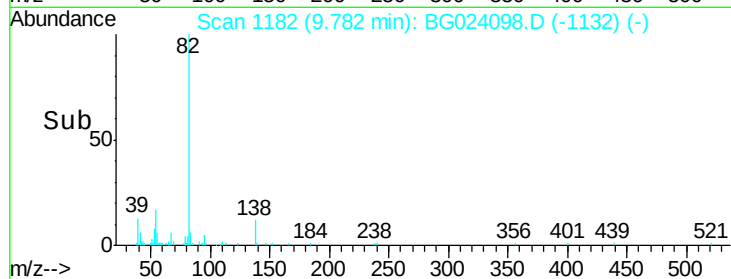
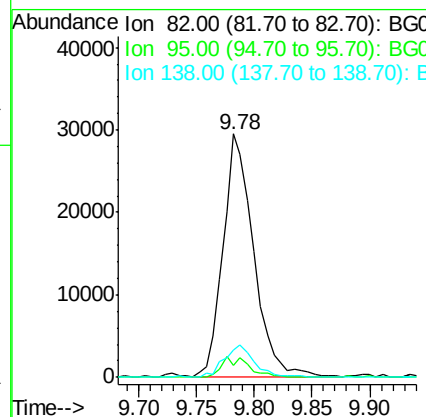
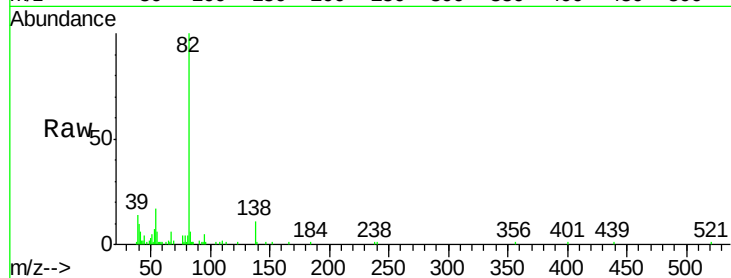




#25
Isophorone
Concen: 6.01 ng
RT: 9.78 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

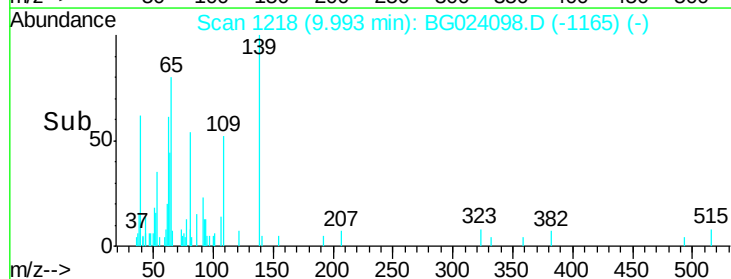
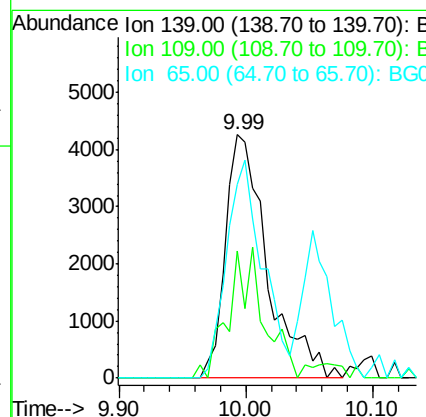
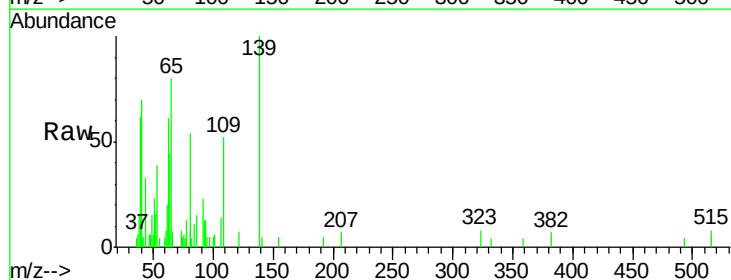
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

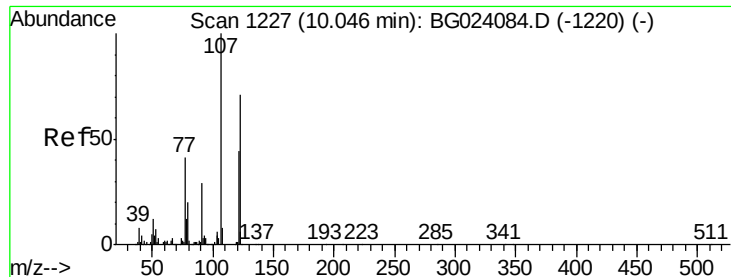
Tgt Ion: 82 Resp: 54542
Ion Ratio Lower Upper
82 100
95 5.0 8.2 12.2#
138 11.5 10.7 16.1



#26
2-Nitrophenol
Concen: 5.75 ng
RT: 9.99 min Scan# 1218
Delta R.T. 0.01 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

Tgt Ion: 139 Resp: 9740
Ion Ratio Lower Upper
139 100
109 52.0 43.5 65.3
65 79.7 64.3 96.5

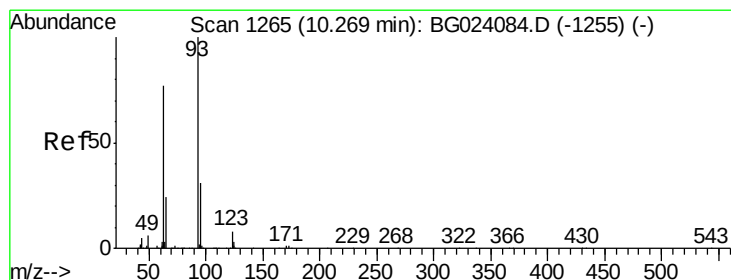
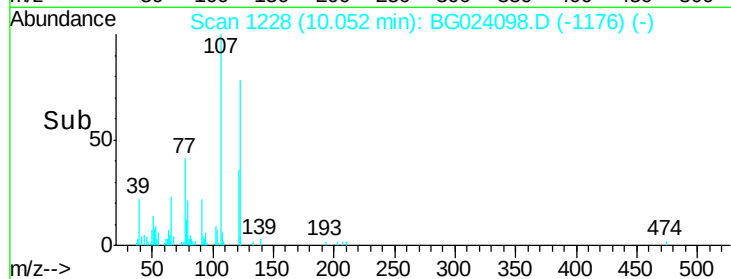
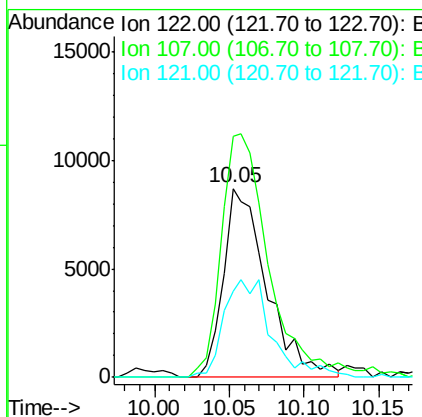
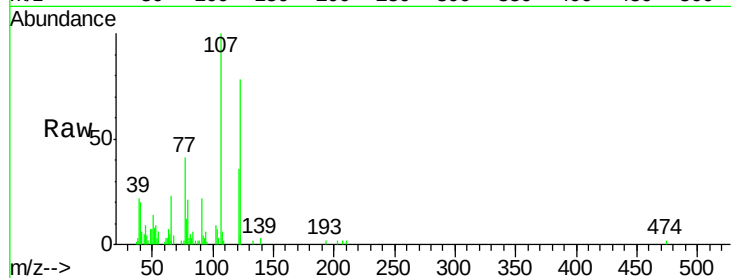




#27
 2,4-Dimethylphenol
 Concen: 6.29 ng
 RT: 10.05 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

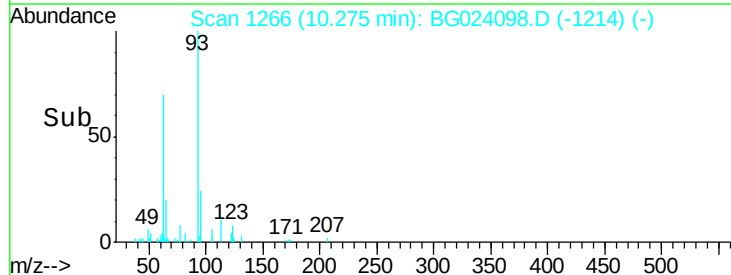
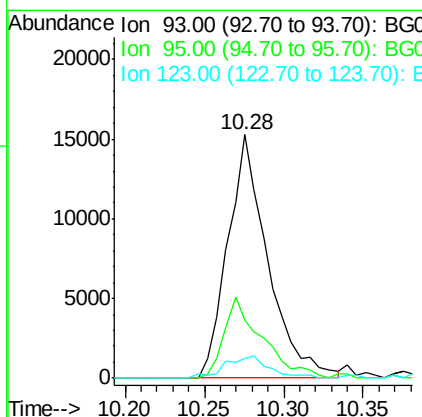
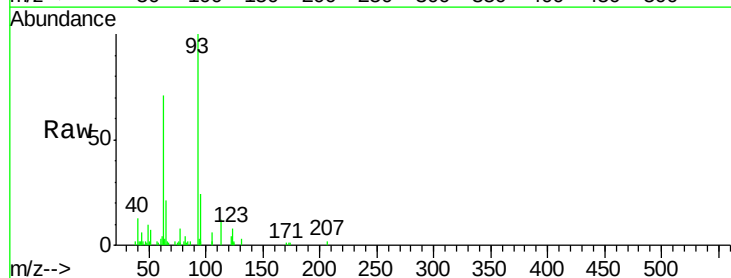
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

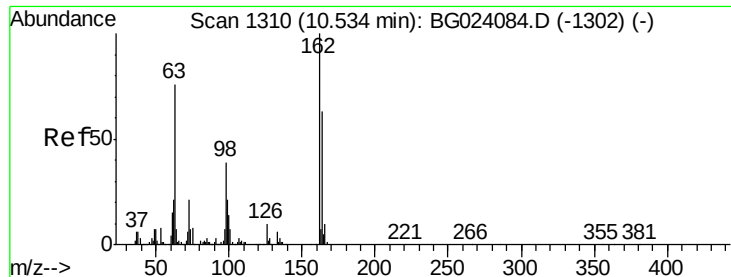
Tgt Ion: 122 Resp: 17797
 Ion Ratio Lower Upper
 122 100
 107 127.8 117.0 175.4
 121 45.4 50.1 75.1#



#28
 bis(2-Chloroethoxy)methane
 Concen: 6.06 ng
 RT: 10.28 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

Tgt Ion: 93 Resp: 26747
 Ion Ratio Lower Upper
 93 100
 95 23.9 25.4 38.2#
 123 8.3 8.2 12.2





#29

2,4-Dichlorophenol

Concen: 6.35 ng

RT: 10.56 min Scan# 1315

Delta R.T. 0.03 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

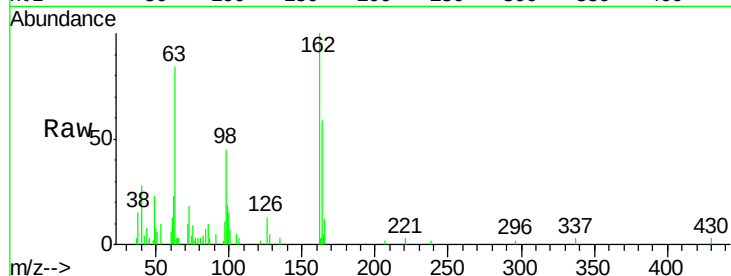
Tgt Ion:162 Resp: 18694

Ion Ratio Lower Upper

162 100

164 57.3 44.3 84.3

98 43.7 19.5 59.5

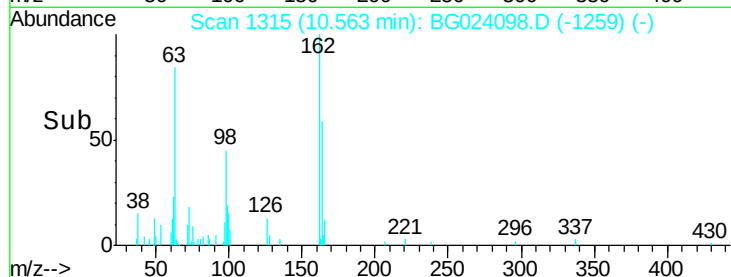


Abundance Ion 162.00 (161.70 to 162.70): E

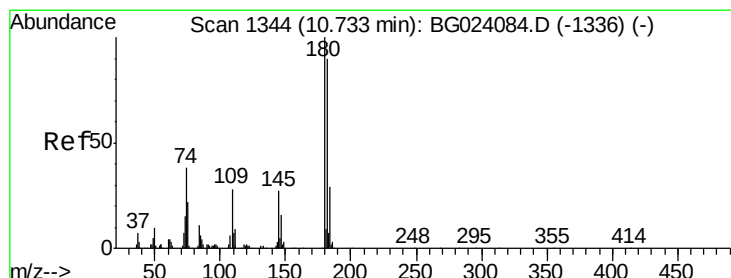
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B

Time-->



Time-->



#30

1,2,4-Trichlorobenzene

Concen: 6.50 ng

RT: 10.73 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

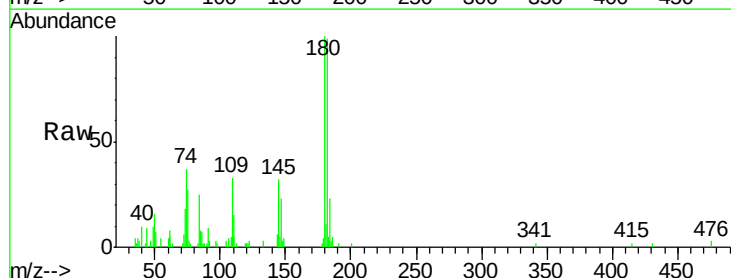
Tgt Ion:180 Resp: 20507

Ion Ratio Lower Upper

180 100

182 99.1 73.8 110.8

145 32.5 24.4 36.6

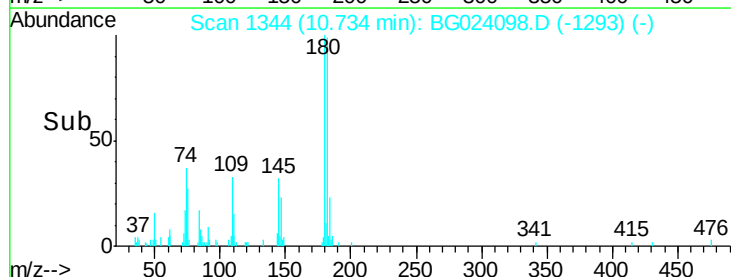


Abundance Ion 180.00 (179.70 to 180.70): E

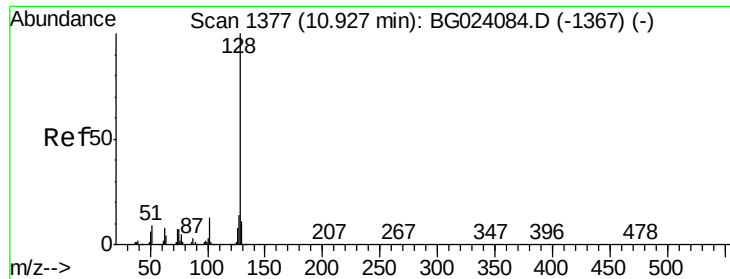
Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

Time-->



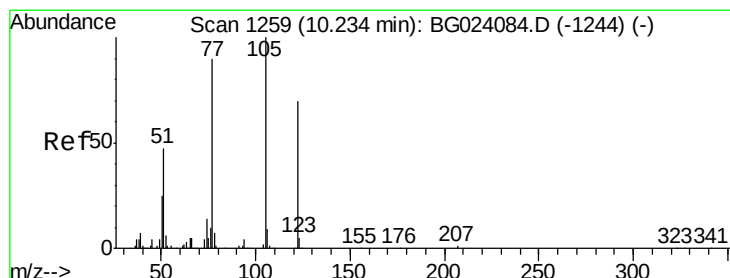
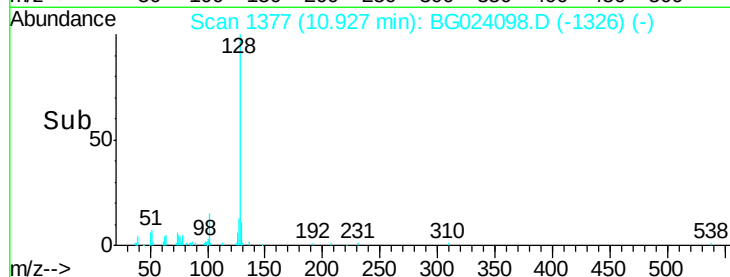
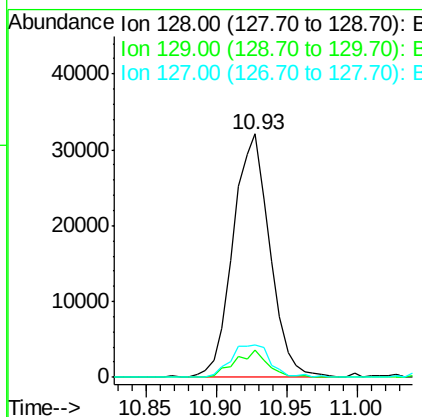
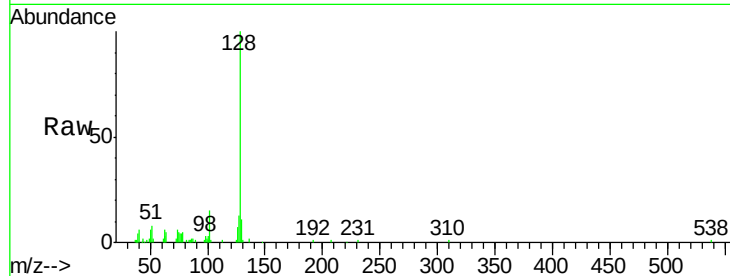
Time-->



#31
Naphthalene
Concen: 6.58 ng
RT: 10.93 min Scan# 1377
Delta R.T. 0.00 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

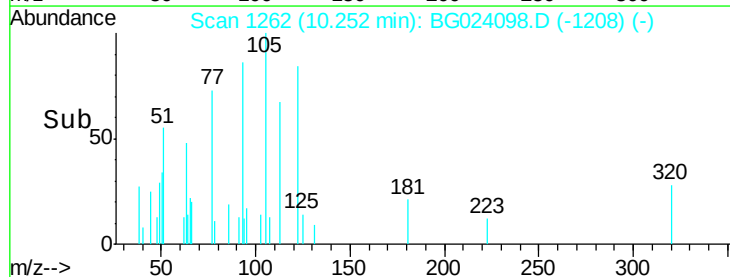
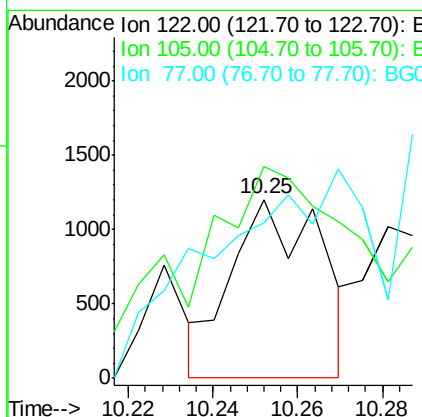
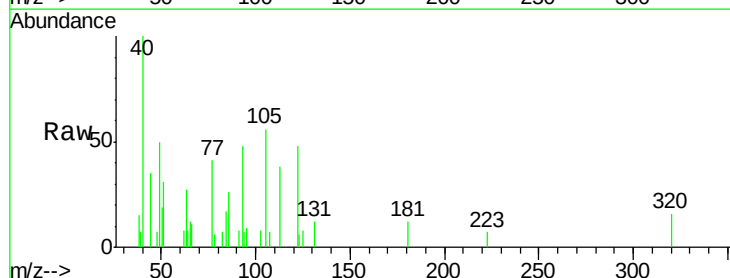
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

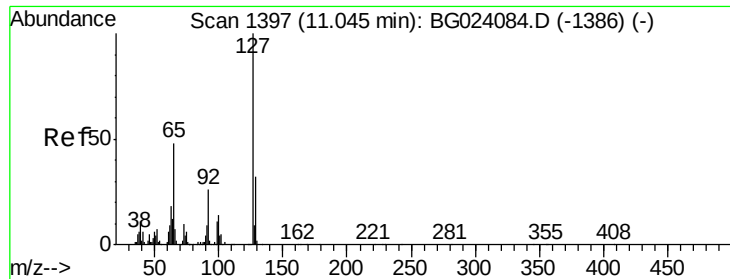
Tgt Ion:128 Resp: 58479
Ion Ratio Lower Upper
128 100
129 11.3 9.4 14.0
127 13.4 11.3 16.9



#32
Benzoic acid
Concen: 3.02 ng
RT: 10.25 min Scan# 1262
Delta R.T. 0.02 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

Tgt Ion:122 Resp: 1761
Ion Ratio Lower Upper
122 100
105 118.4 117.2 157.2
77 86.5 109.2 149.2#

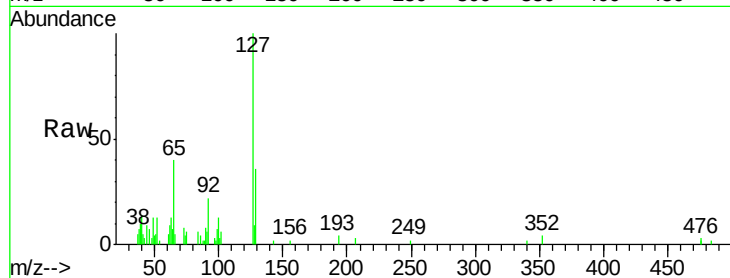




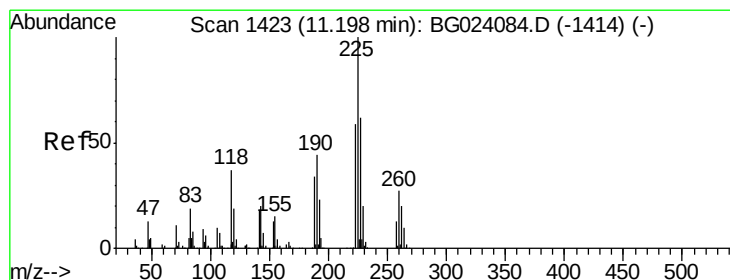
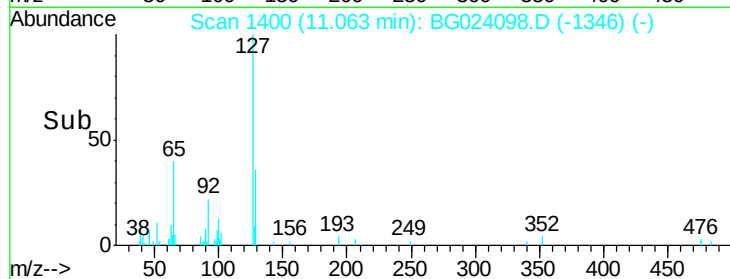
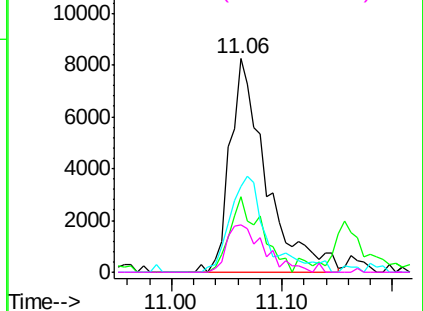
#33
4-Chloroaniline
Concen: 4.79 ng
RT: 11.06 min Scan# 1400
Delta R.T. 0.02 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:	127	Resp:	19013
Ion	Ratio	Lower	Upper
127	100		
129	35.6	27.9	41.9
65	39.9	36.8	55.2
92	22.0	21.0	31.6

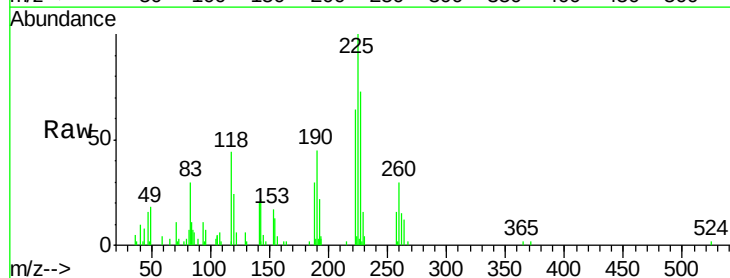


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

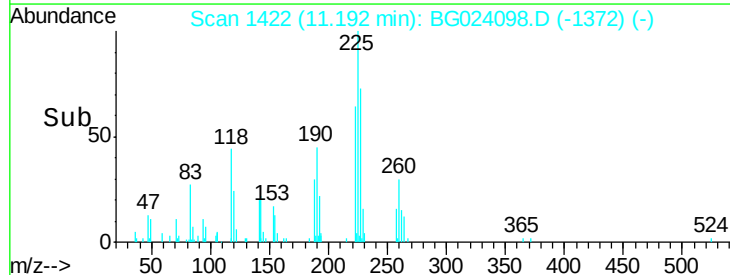
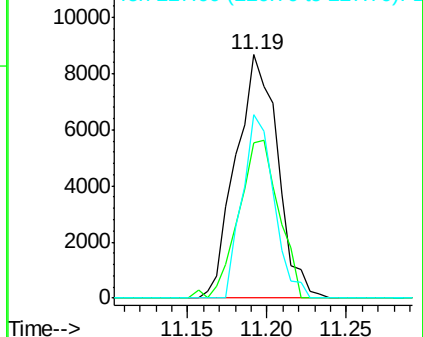


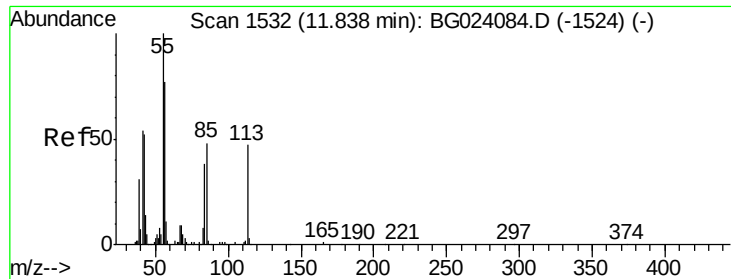
#34
Hexachlorobutadiene
Concen: 6.39 ng
RT: 11.19 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

Tgt Ion:	225	Resp:	15870
Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.6	74.4
227	75.2	54.5	81.7



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

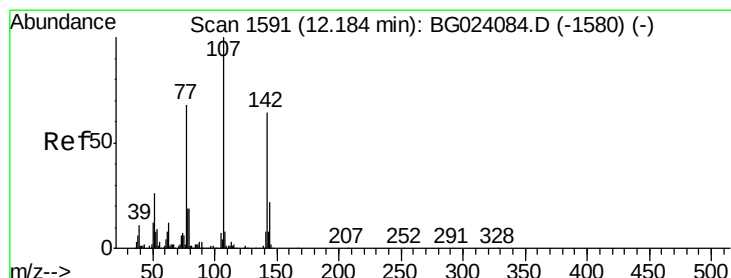
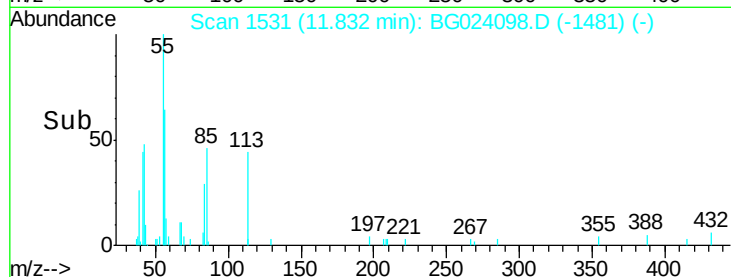
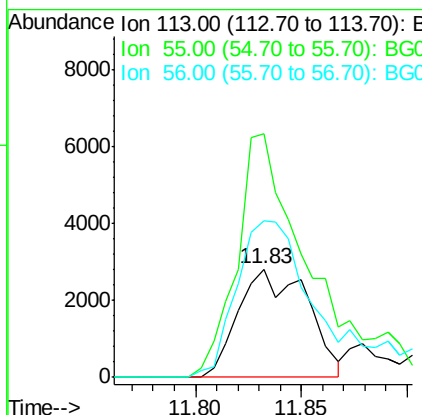
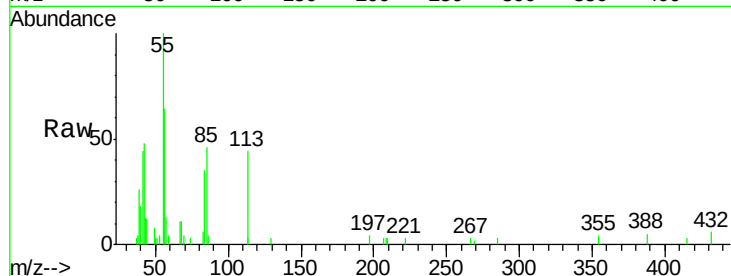




#35
 Caprolactam
 Concen: 5.32 ng
 RT: 11.83 min Scan# 1531
 Delta R.T. -0.01 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

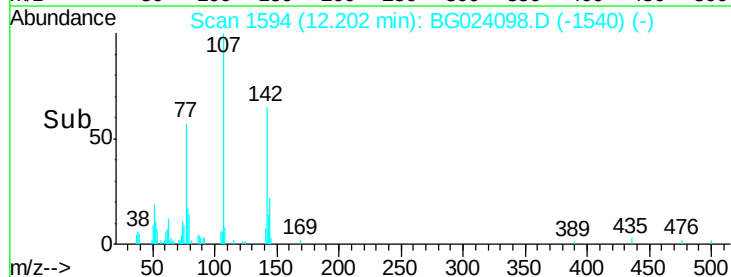
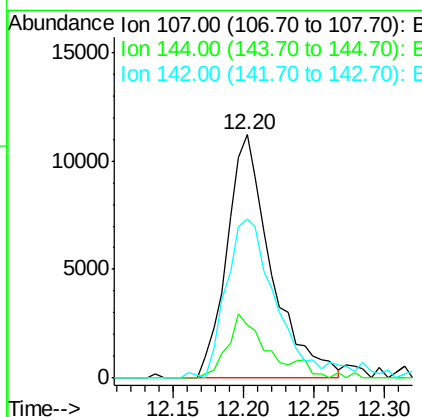
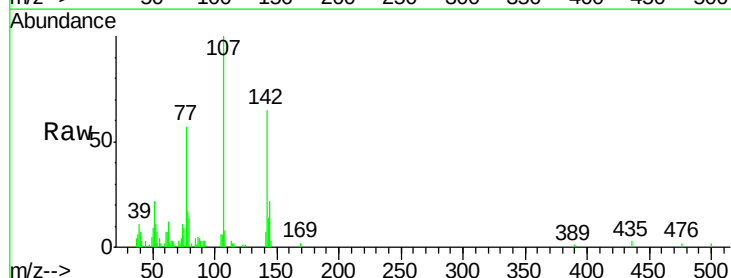
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

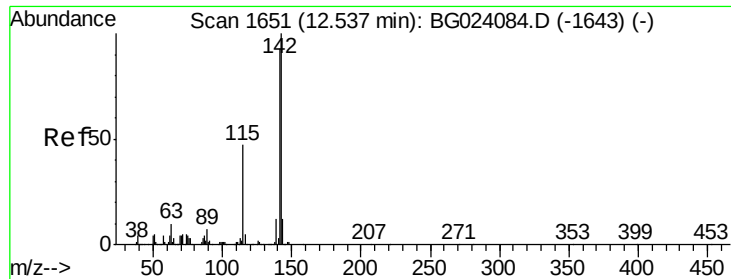
Tgt Ion:113 Resp: 6371
 Ion Ratio Lower Upper
 113 100
 55 224.9 154.5 194.5#
 56 144.3 125.1 165.1



#36
 4-Chloro-3-methylphenol
 Concen: 5.87 ng
 RT: 12.20 min Scan# 1594
 Delta R.T. 0.02 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

Tgt Ion:107 Resp: 24330
 Ion Ratio Lower Upper
 107 100
 144 21.6 17.0 25.6
 142 65.1 53.0 79.6

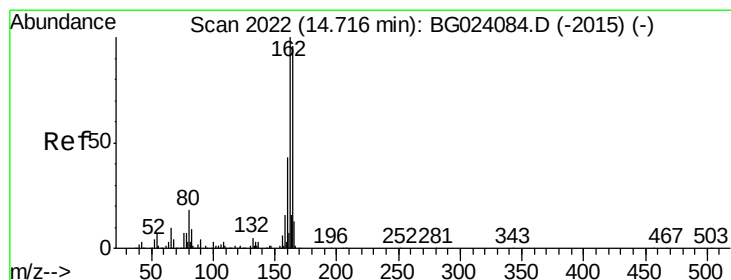
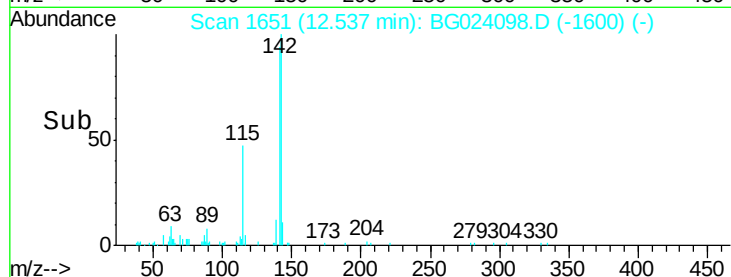
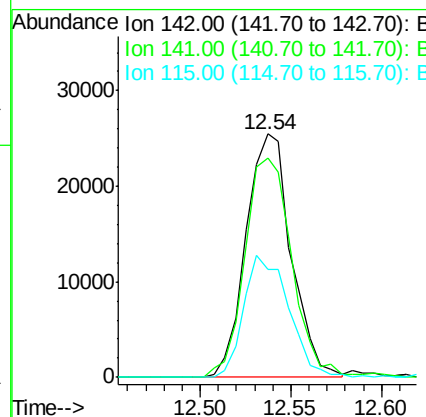
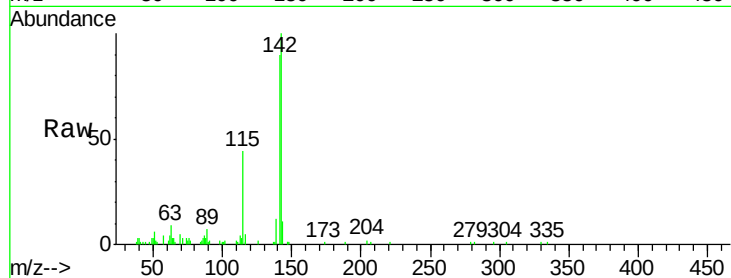




#37
 2-Methylnaphthalene
 Concen: 6.50 ng
 RT: 12.54 min Scan# 1651
 Delta R.T. 0.00 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

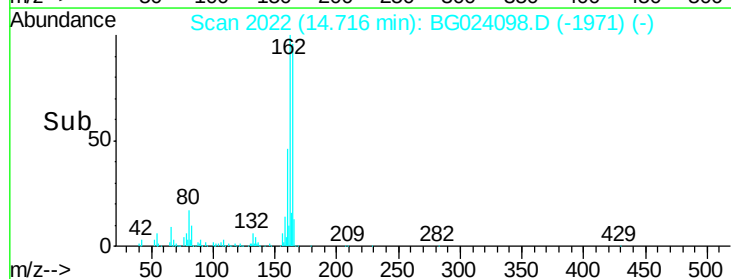
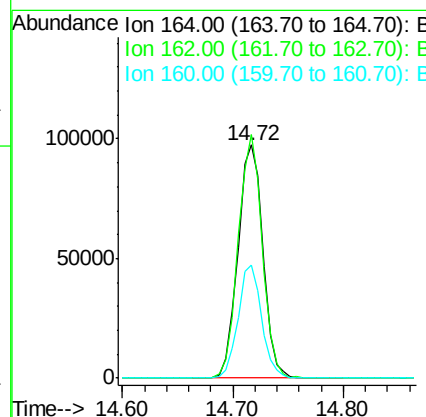
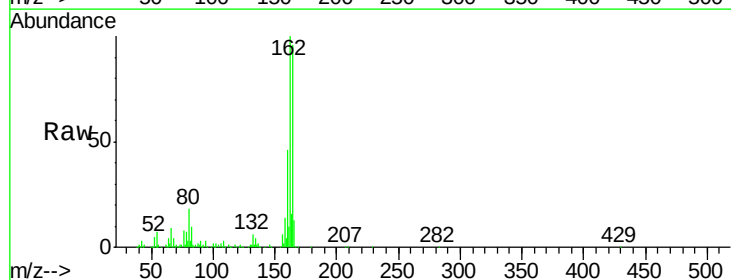
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

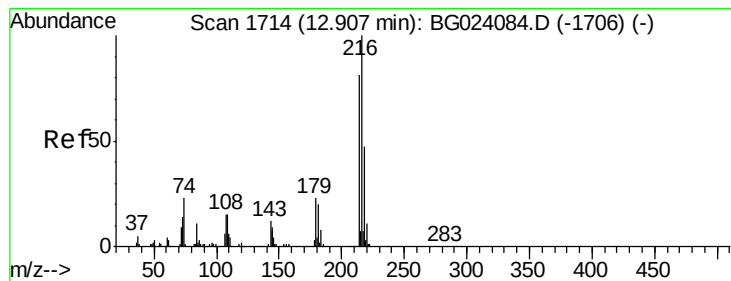
Tgt Ion:142 Resp: 44268
 Ion Ratio Lower Upper
 142 100
 141 90.0 70.2 105.2
 115 44.4 41.7 62.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.72 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

Tgt Ion:164 Resp: 154728
 Ion Ratio Lower Upper
 164 100
 162 104.4 87.7 131.5
 160 48.4 37.2 55.8





#39

1,2,4,5-Tetrachlorobenzene

Concen: 5.95 ng

RT: 12.91 min Scan# 1714

Delta R.T. 0.00 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:216 Resp: 26891

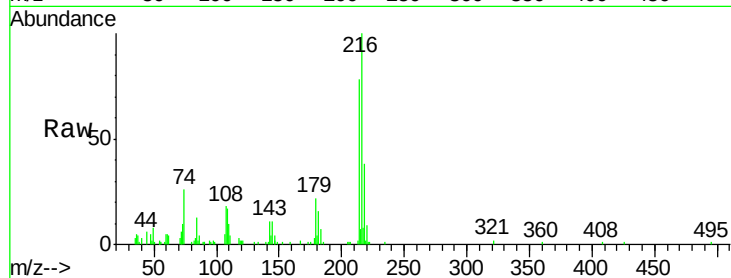
Ion Ratio Lower Upper

216 100

214 81.9 62.9 94.3

179 24.1 17.2 25.8

108 16.4 16.3 24.5

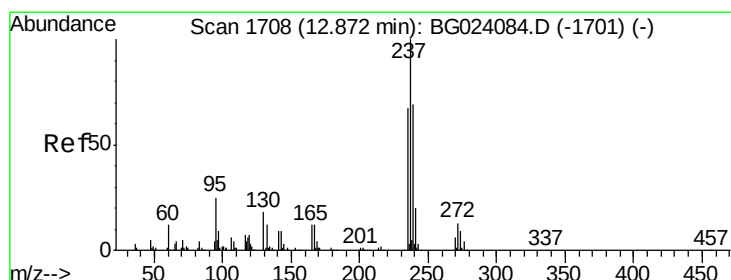
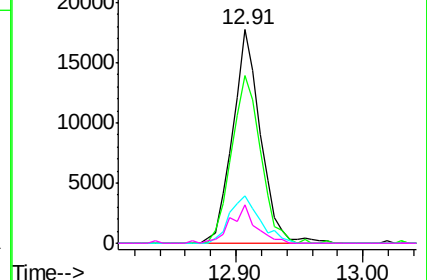
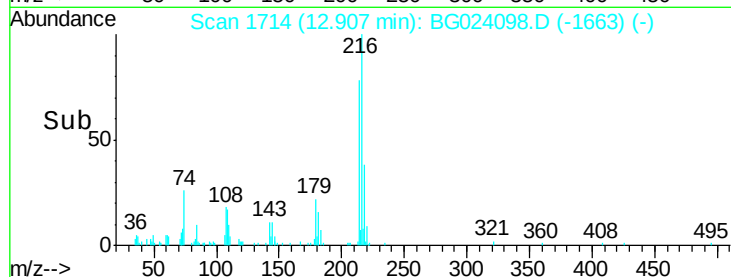


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 5.20 ng

RT: 12.87 min Scan# 1708

Delta R.T. 0.00 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

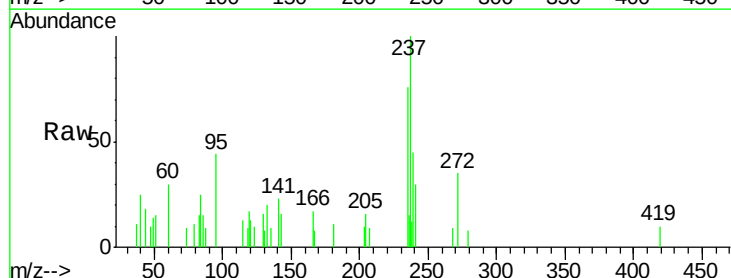
Tgt Ion:237 Resp: 2642

Ion Ratio Lower Upper

237 100

235 76.0 43.1 83.1

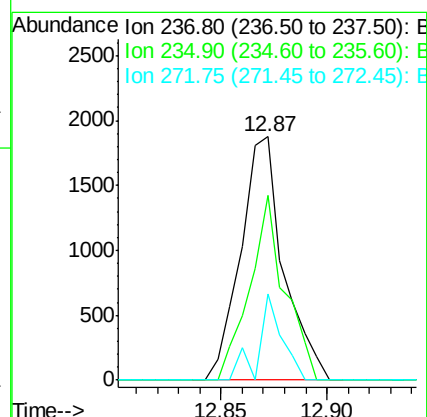
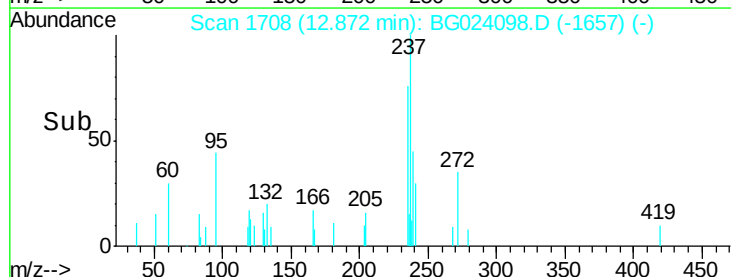
272 35.3 0.0 30.9#

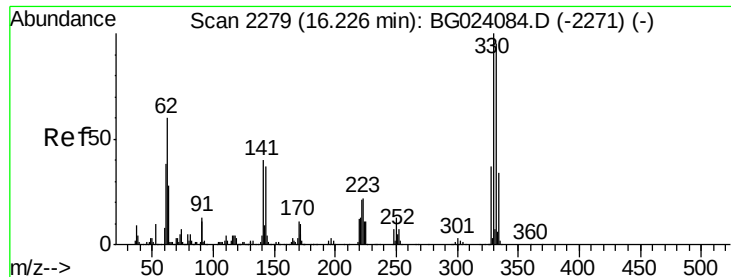


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

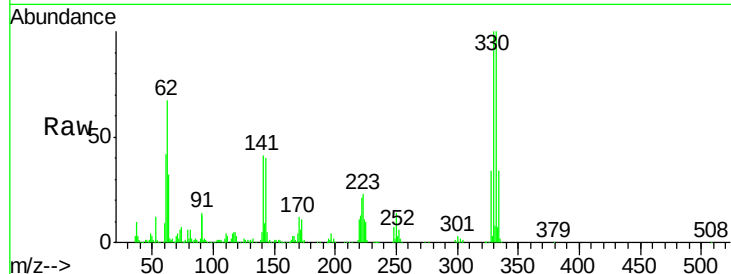




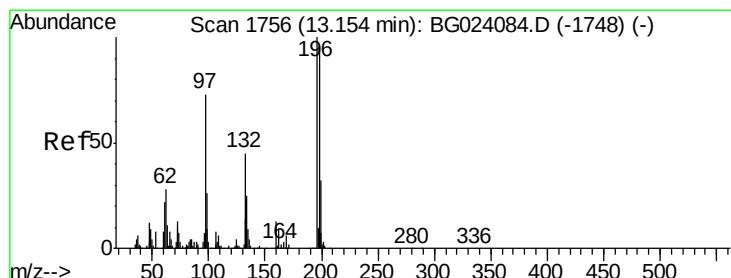
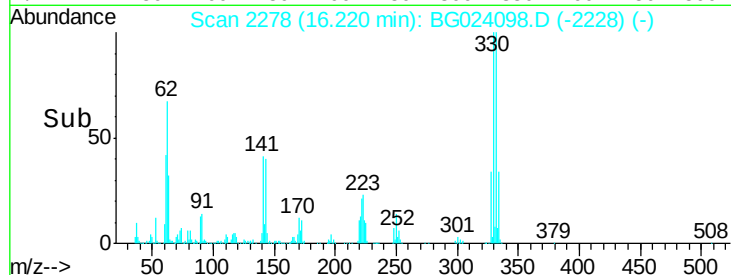
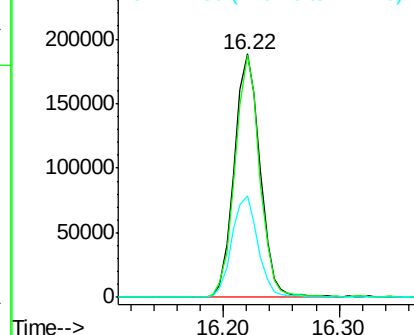
#41
 2,4,6-Tribromophenol
 Concen: 131.15 ng
 RT: 16.22 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tgt Ion:330 Resp: 291688
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.4 116.2
 141 42.1 31.7 47.5

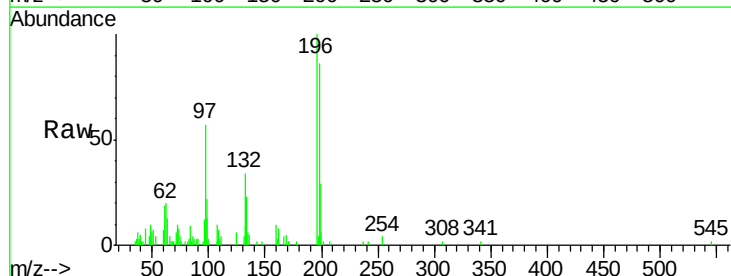


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

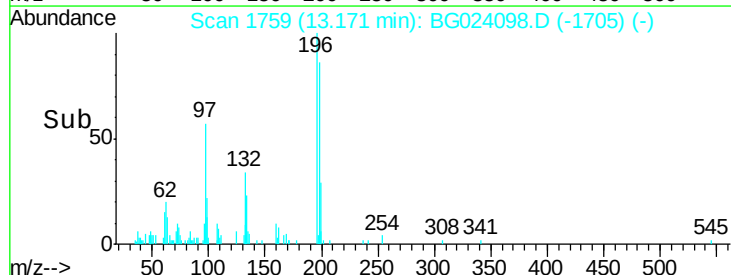
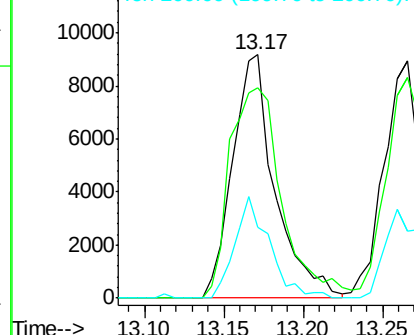


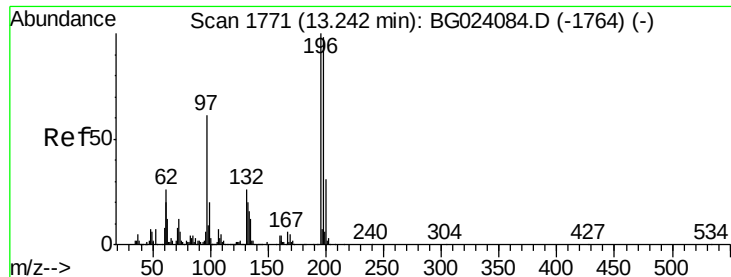
#42
 2,4,6-Trichlorophenol
 Concen: 5.84 ng
 RT: 13.17 min Scan# 1759
 Delta R.T. 0.02 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

Tgt Ion:196 Resp: 17059
 Ion Ratio Lower Upper
 196 100
 198 86.4 78.2 117.2
 200 29.1 27.0 40.4



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

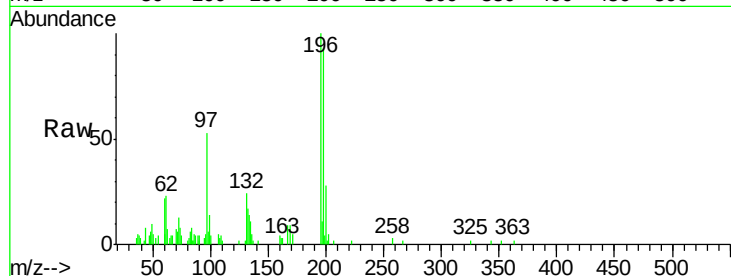




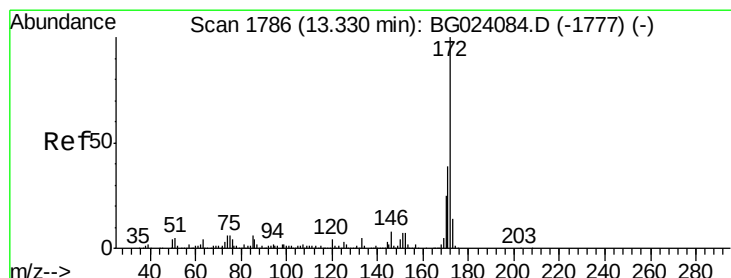
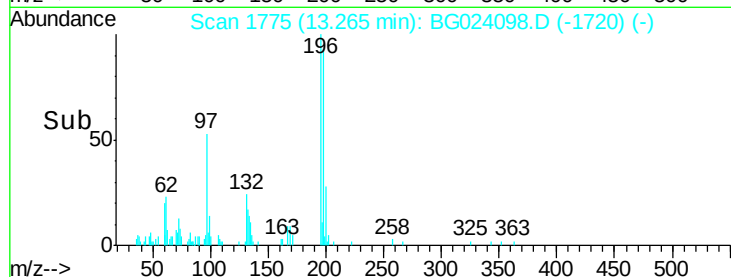
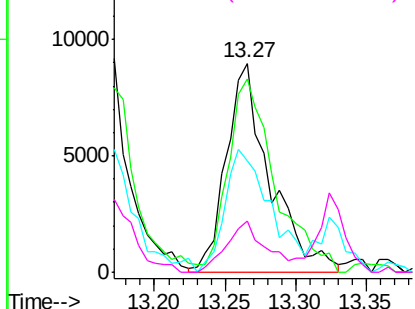
#43
 2,4,5-Trichlorophenol
 Concen: 6.41 ng
 RT: 13.27 min Scan# 1775
 Delta R.T. 0.02 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tgt Ion:	196	Resp:	19272
Ion	Ratio	Lower	Upper
196	100		
198	92.5	85.7	128.5
97	53.1	45.5	68.3
132	24.4	18.9	28.3

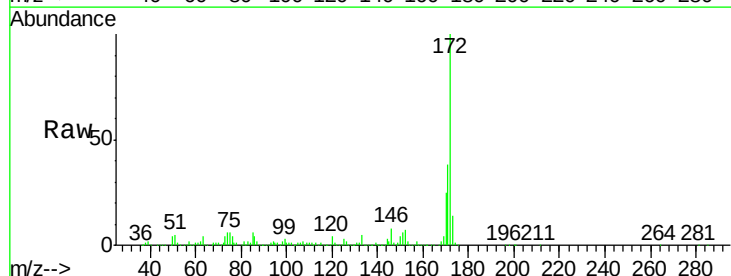


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BG
 Ion 132.00 (131.70 to 132.70): E

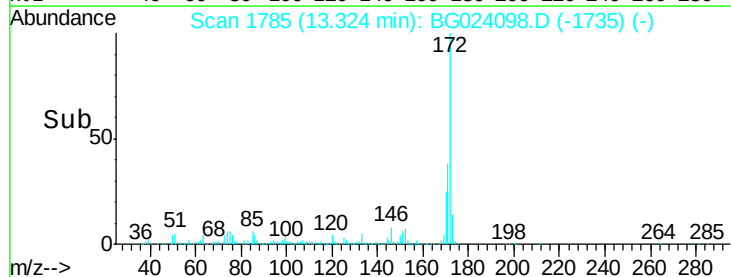
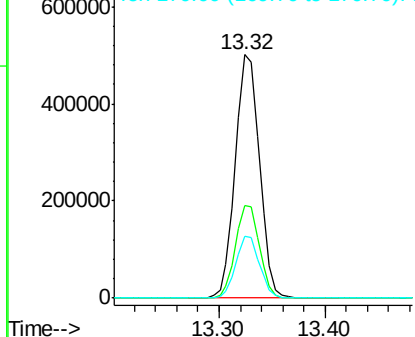


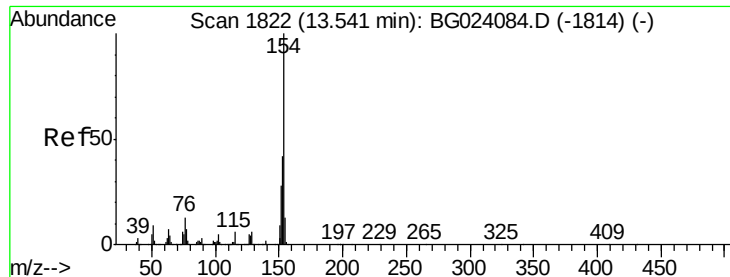
#44
 2-Fluorobiphenyl
 Concen: 86.02 ng
 RT: 13.32 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

Tgt Ion:	172	Resp:	791802
Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.6	47.4
170	25.2	21.3	31.9



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

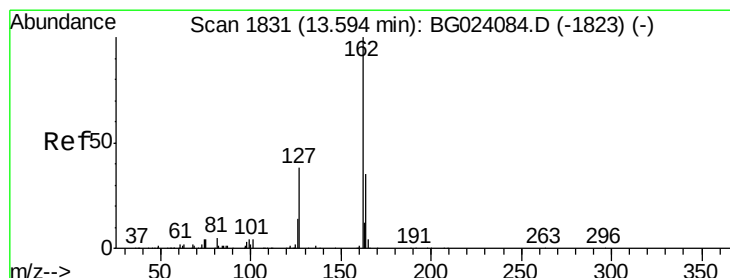
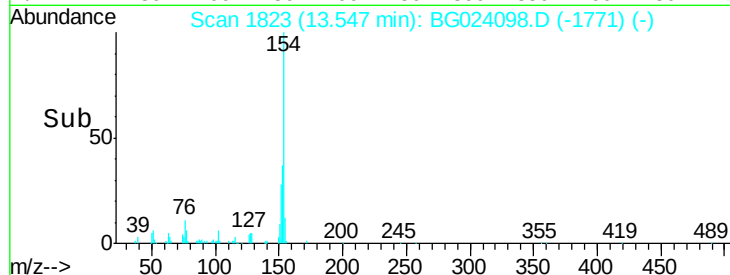
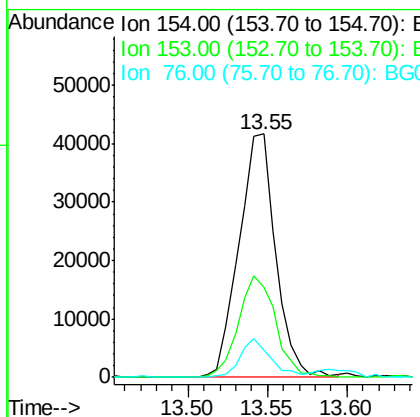
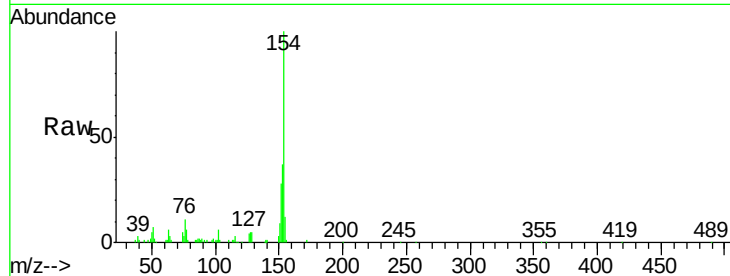




#45
 1,1'-Biphenyl
 Concen: 6.33 ng
 RT: 13.55 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

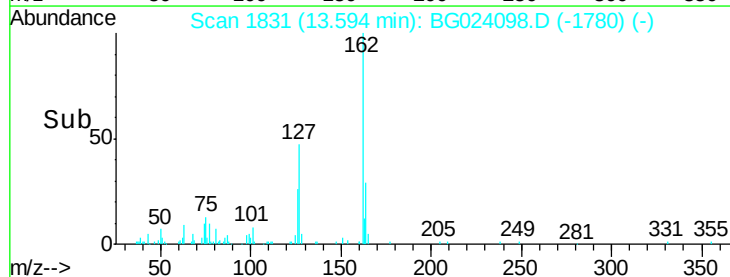
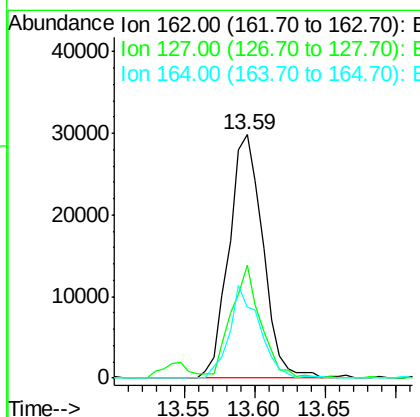
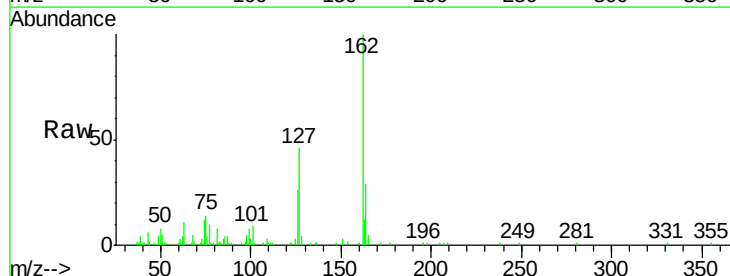
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

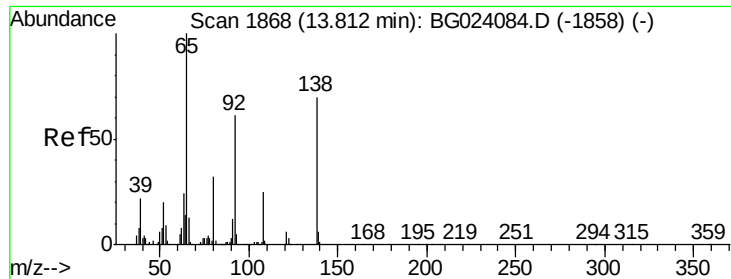
Tgt Ion	Ratio	Lower	Upper
154	100		
153	36.9	20.2	60.2
76	11.1	0.0	32.9



#46
 2-Chloronaphthalene
 Concen: 6.33 ng
 RT: 13.59 min Scan# 1831
 Delta R.T. 0.00 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

Tgt Ion	Ratio	Lower	Upper
162	100		
127	46.3	32.4	48.6
164	28.9	25.2	37.8





#47

2-Nitroaniline

Concen: 5.68 ng

RT: 13.82 min Scan# 1869

Delta R.T. 0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

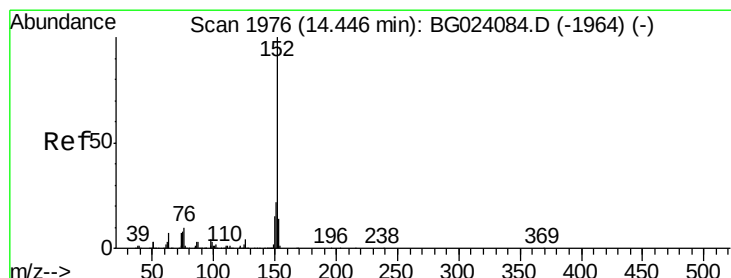
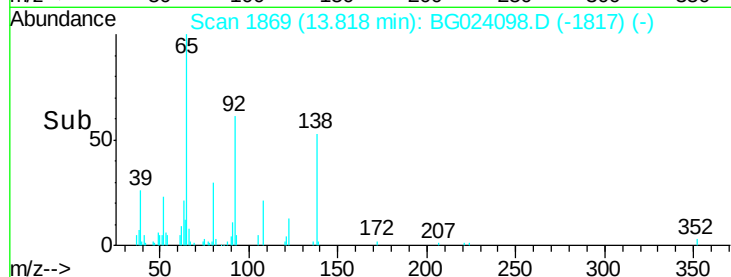
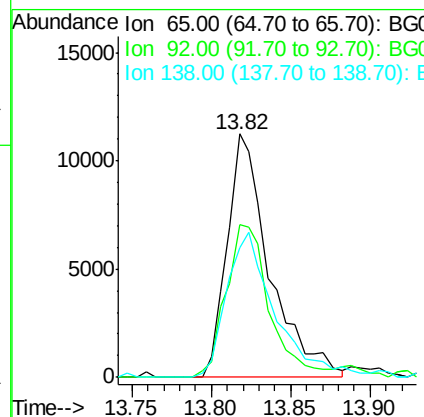
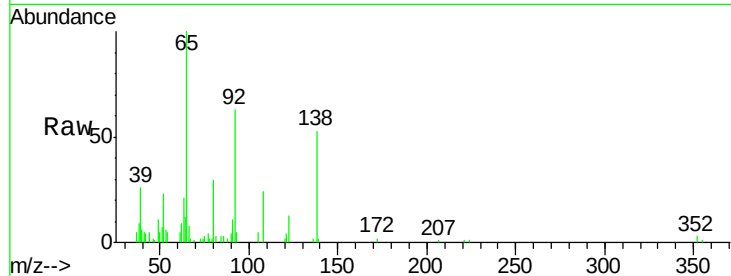
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:	65	Resp:	20862
Ion Ratio	Lower	Upper	
65	100		
92	62.6	49.4	74.0
138	53.2	58.0	87.0#



#48

Acenaphthylene

Concen: 6.32 ng

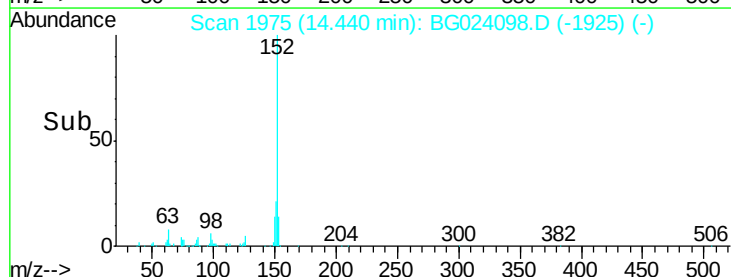
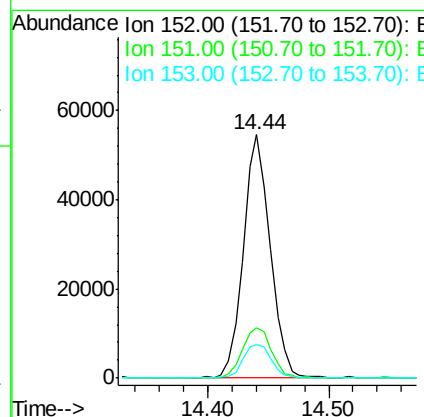
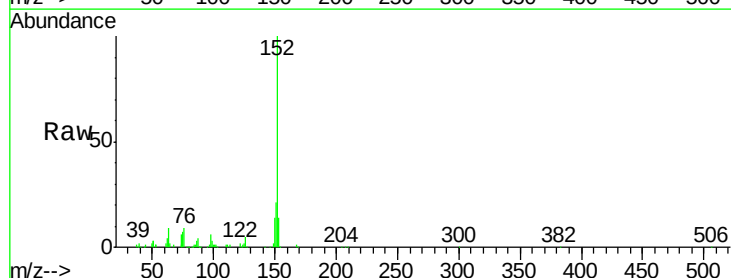
RT: 14.44 min Scan# 1975

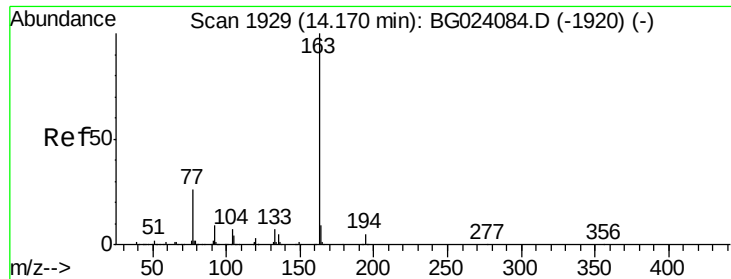
Delta R.T. -0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Tgt Ion:	152	Resp:	84797
Ion Ratio	Lower	Upper	
152	100		
151	20.8	17.6	26.4
153	13.7	11.4	17.2





#49

Dimethylphthalate

Concen: 6.79 ng

RT: 14.16 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

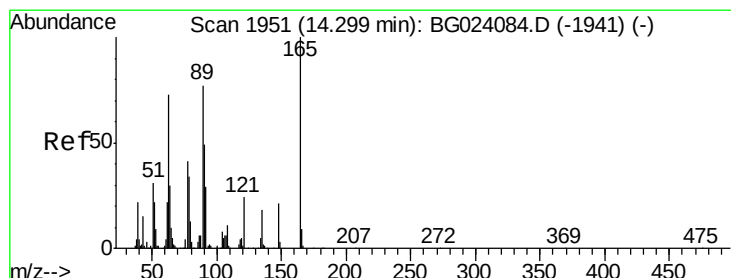
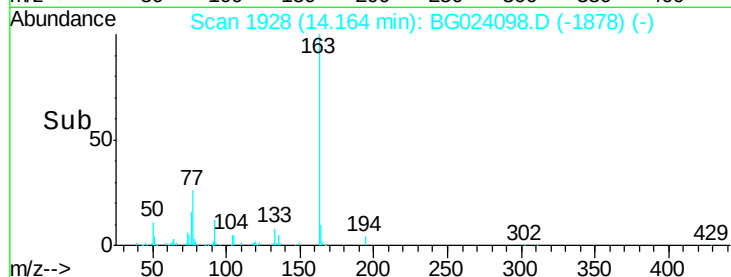
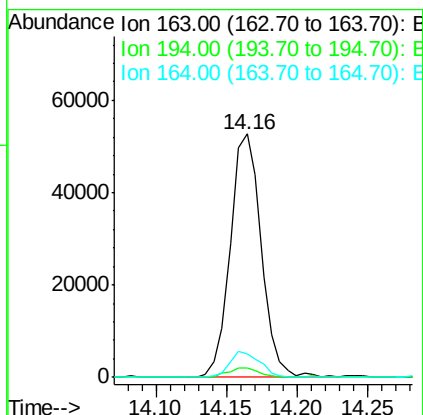
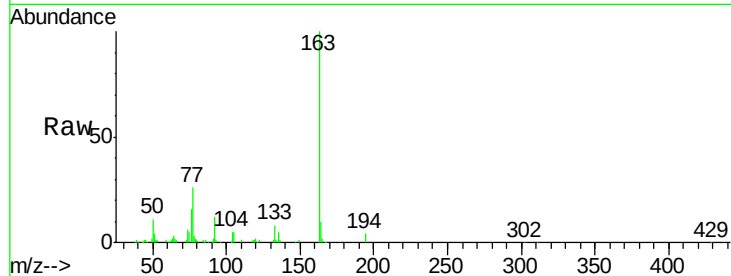
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:	163	Resp:	80545
Ion Ratio		Lower	Upper
163	100		
194	3.8	3.6	5.4
164	9.8	8.1	12.1



#50

2,6-Dinitrotoluene

Concen: 6.17 ng

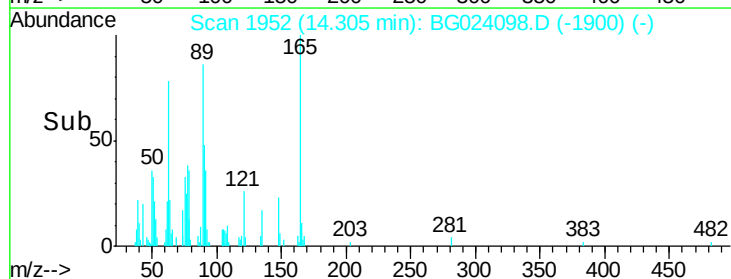
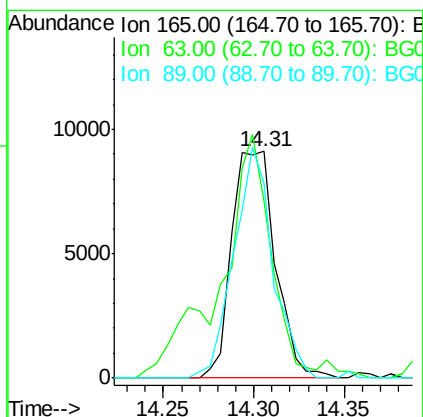
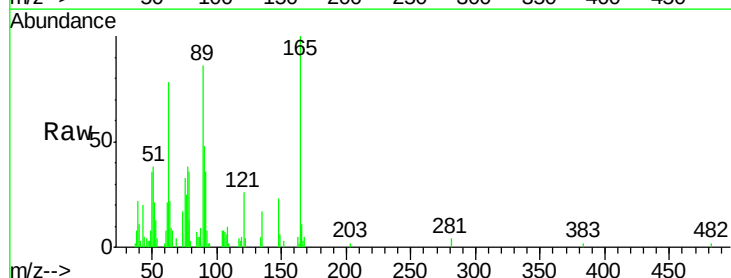
RT: 14.31 min Scan# 1952

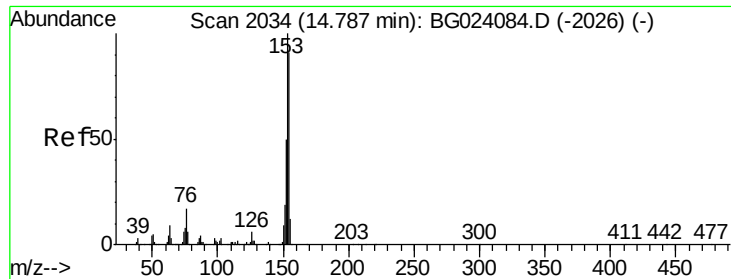
Delta R.T. 0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Tgt Ion:	165	Resp:	15379
Ion Ratio		Lower	Upper
165	100		
63	78.2	64.3	96.5
89	86.3	64.3	96.5





#51

Acenaphthene

Concen: 6.47 ng

RT: 14.78 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

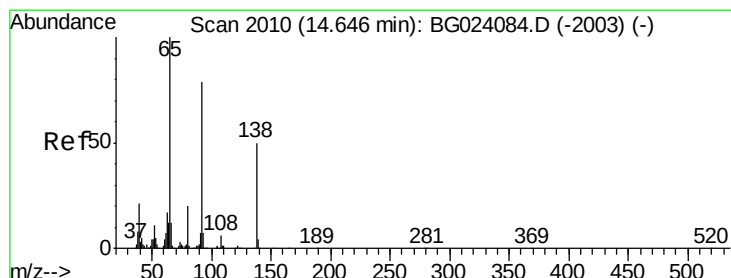
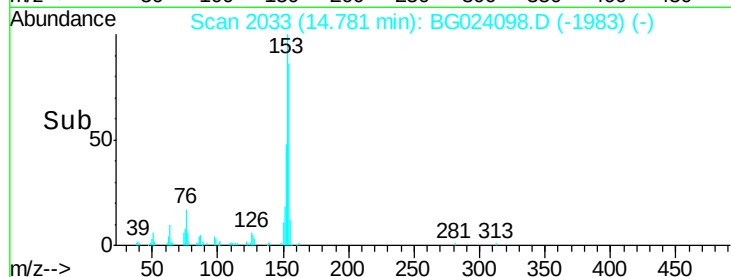
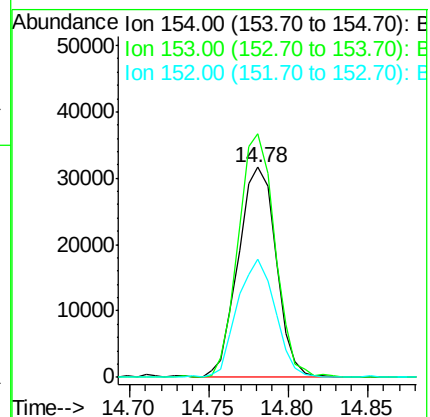
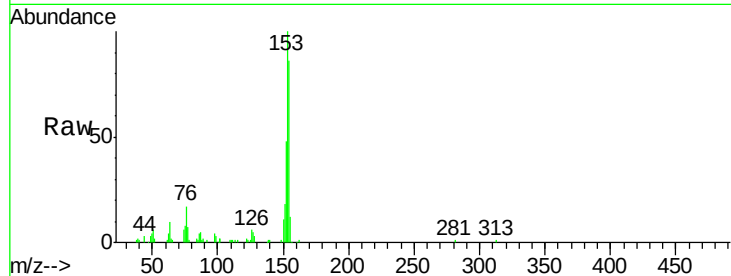
Tgt Ion:154 Resp: 52661

Ion Ratio Lower Upper

154 100

153 116.0 87.5 131.3

152 56.2 42.7 64.1



#52

3-Nitroaniline

Concen: 4.98 ng

RT: 14.66 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

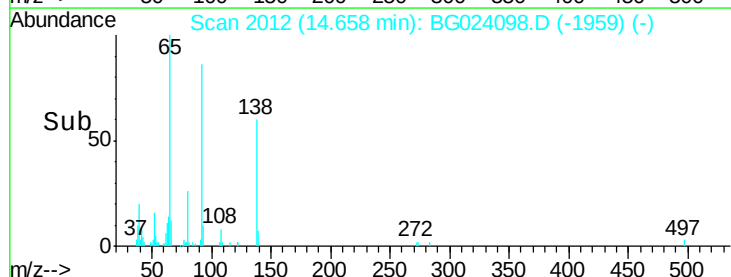
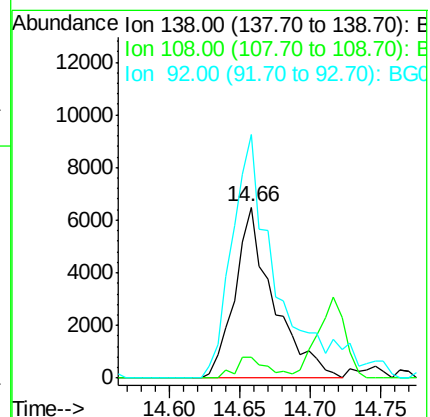
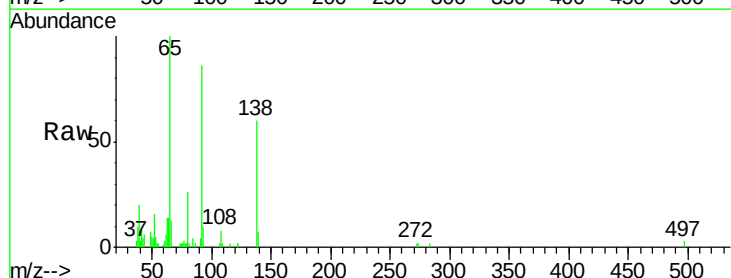
Tgt Ion:138 Resp: 12398

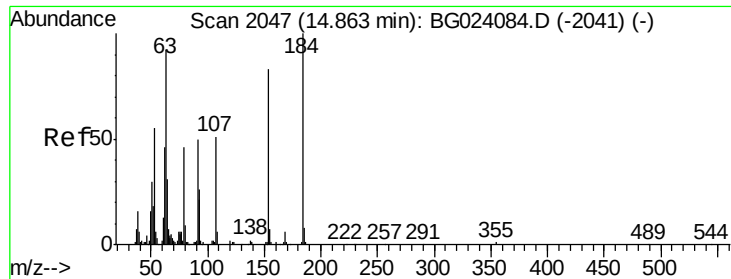
Ion Ratio Lower Upper

138 100

108 12.5 11.7 17.5

92 142.4 129.7 194.5

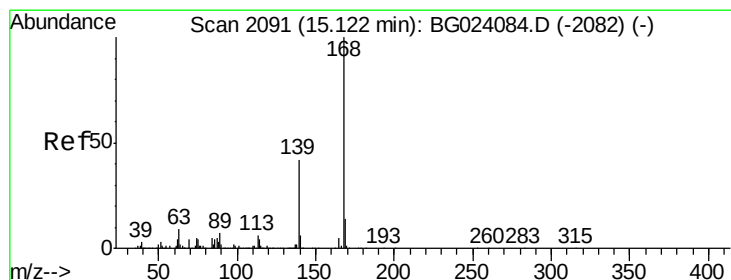
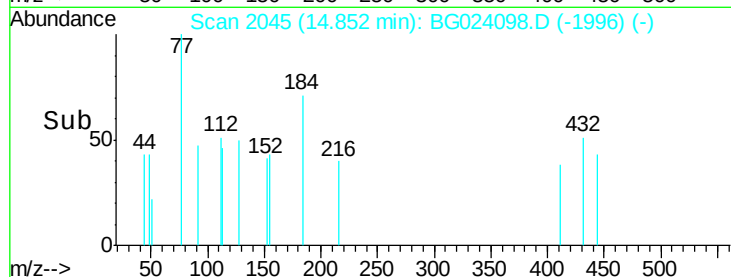
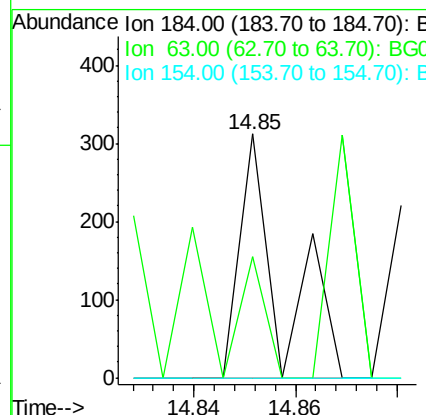
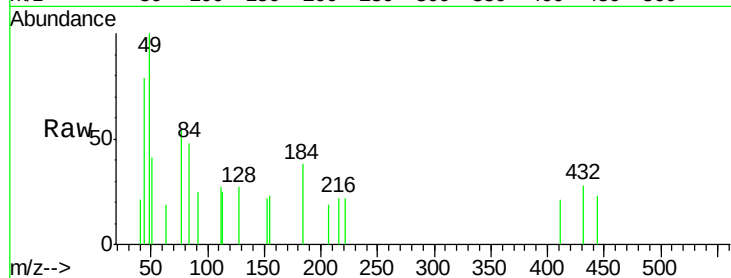




#53
2,4-Dinitrophenol
Concen: 2.58 ng
RT: 14.85 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

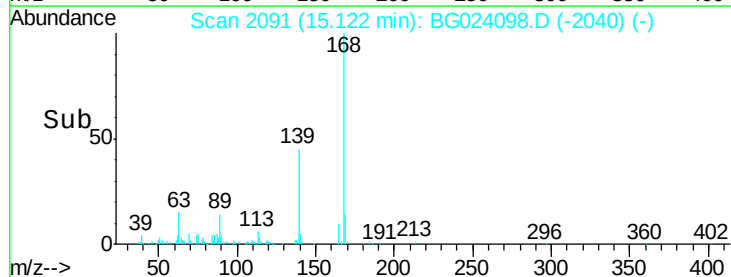
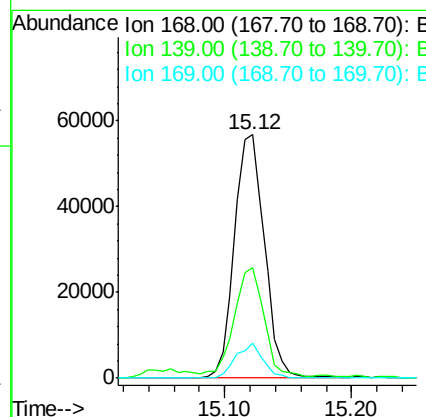
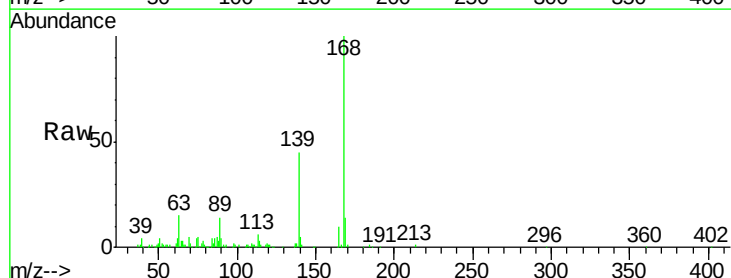
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

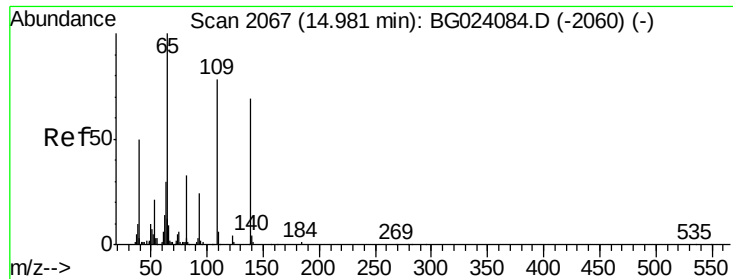
Tgt Ion:184 Resp: 175
Ion Ratio Lower Upper
184 100
63 49.7 59.6 89.4#
154 0.0 67.4 101.0#



#54
Dibenzofuran
Concen: 7.31 ng
RT: 15.12 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

Tgt Ion:168 Resp: 92578
Ion Ratio Lower Upper
168 100
139 45.4 36.4 54.6
169 14.1 11.9 17.9

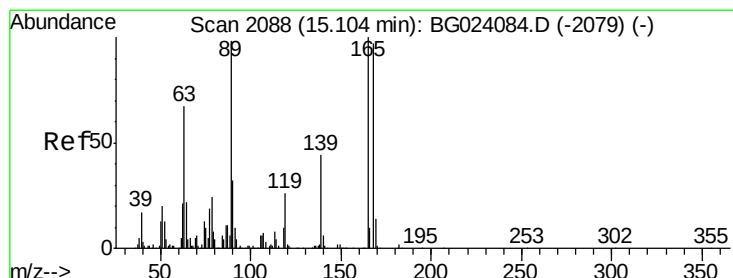
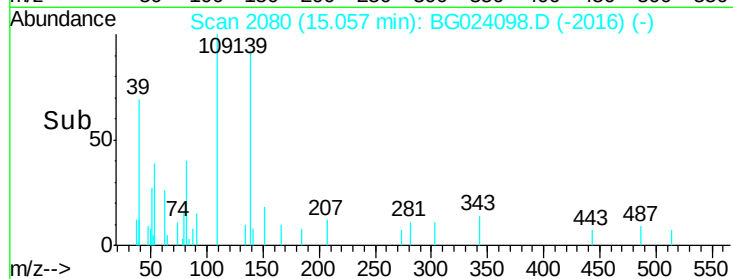
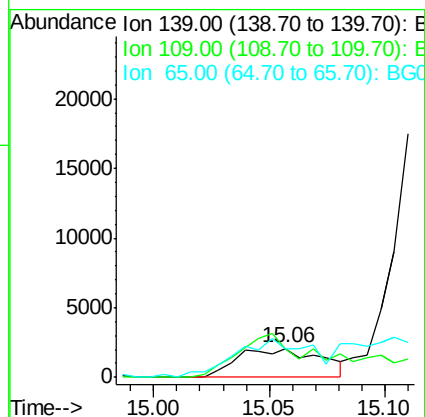
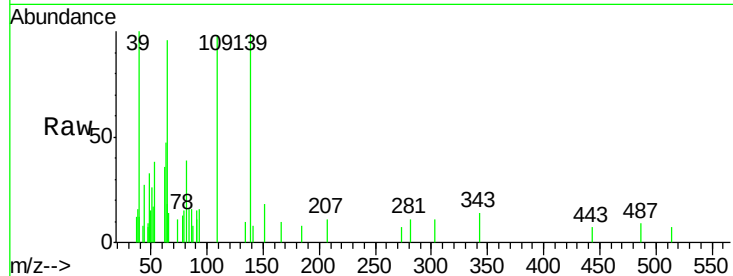




#55
4-Nitrophenol
Concen: 7.80 ng
RT: 15.06 min Scan# 2080
Delta R.T. 0.08 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

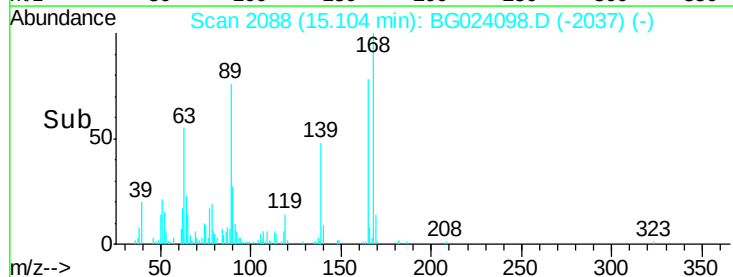
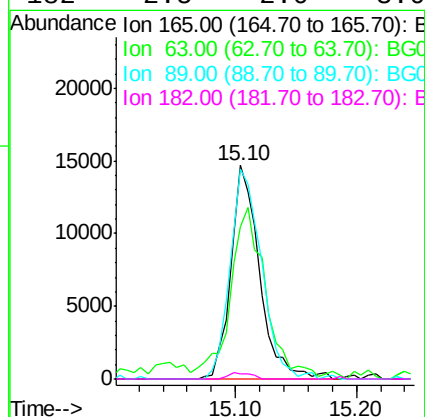
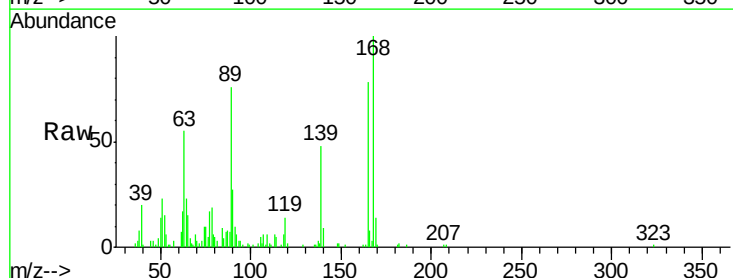
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

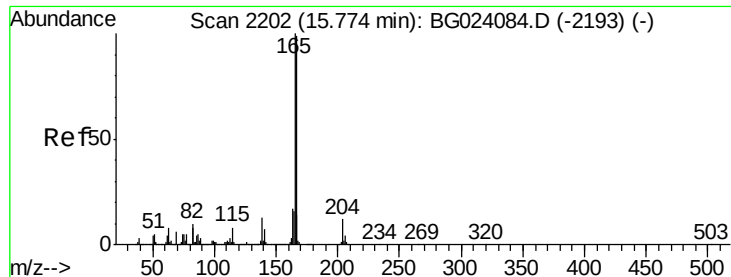
Tgt Ion:139 Resp: 5196
Ion Ratio Lower Upper
139 100
109 99.4 103.0 143.0#
65 97.8 112.7 152.7#



#56
2,4-Dinitrotoluene
Concen: 6.41 ng
RT: 15.10 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

Tgt Ion:165 Resp: 24307
Ion Ratio Lower Upper
165 100
63 71.4 45.8 68.6#
89 98.4 68.6 102.8
182 2.5 2.0 3.0





#57

Fluorene

Concen: 6.86 ng

RT: 15.77 min Scan# 2202

Delta R.T. 0.00 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

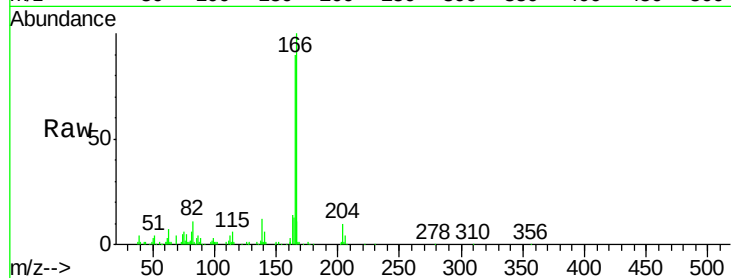
Tgt Ion:166 Resp: 75609

Ion Ratio Lower Upper

166 100

165 90.3 81.0 121.6

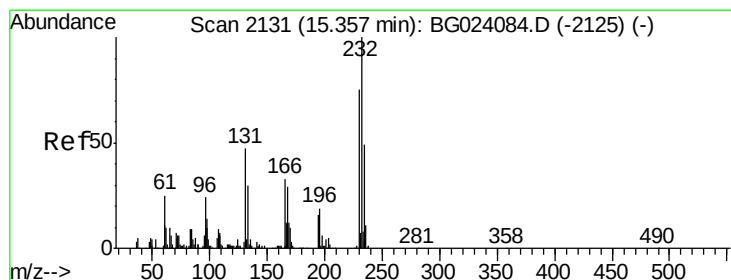
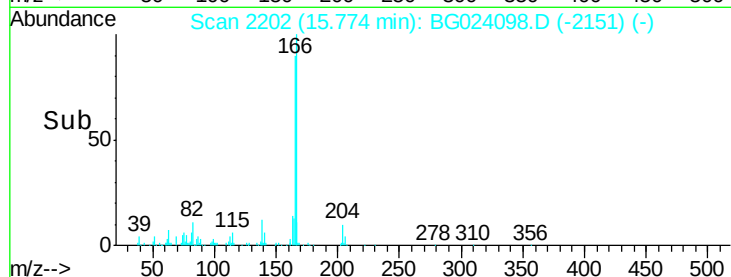
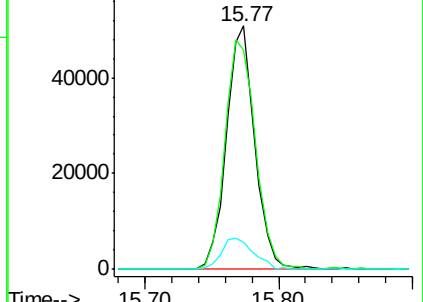
167 11.1 12.0 18.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 6.76 ng

RT: 15.36 min Scan# 2132

Delta R.T. 0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Tgt Ion:232 Resp: 19625

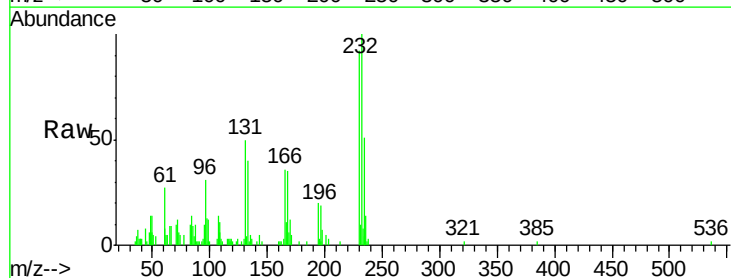
Ion Ratio Lower Upper

232 100

131 48.6 32.7 49.1

130 2.2 2.6 3.8#

166 33.0 23.0 34.6

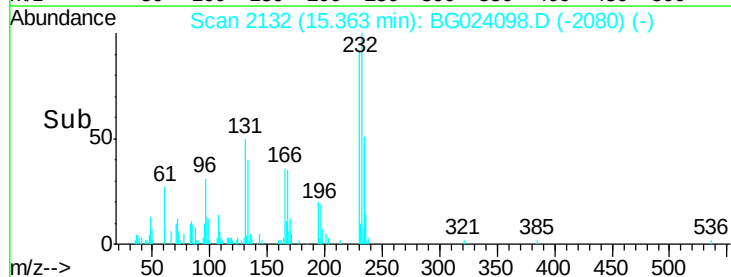
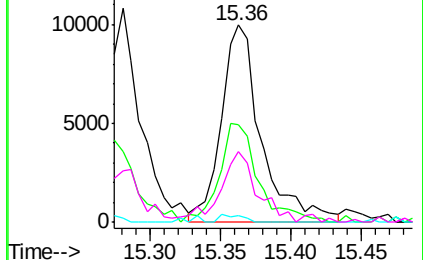


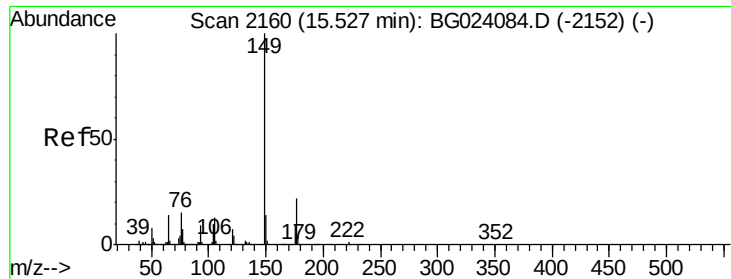
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

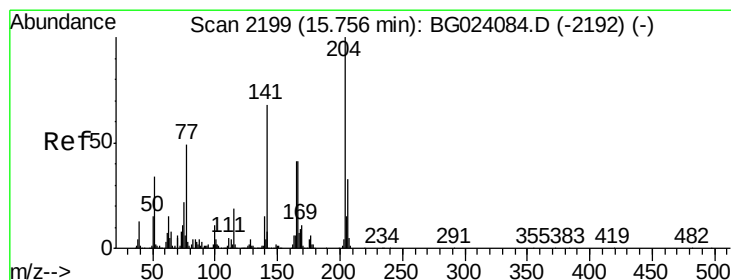
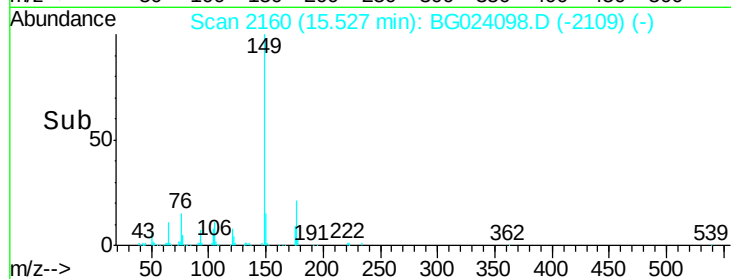
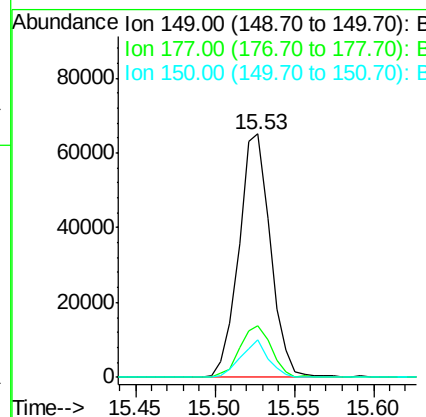
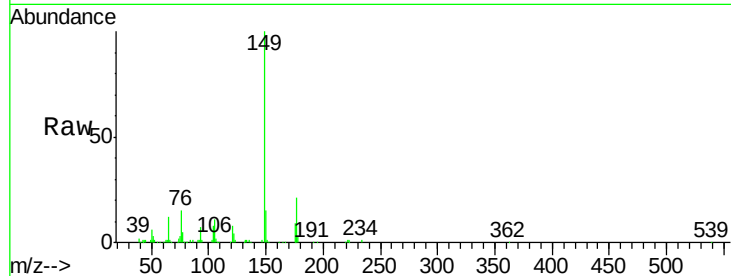




#59
 Diethylphthalate
 Concen: 7.03 ng
 RT: 15.53 min Scan# 2160
 Delta R.T. 0.00 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

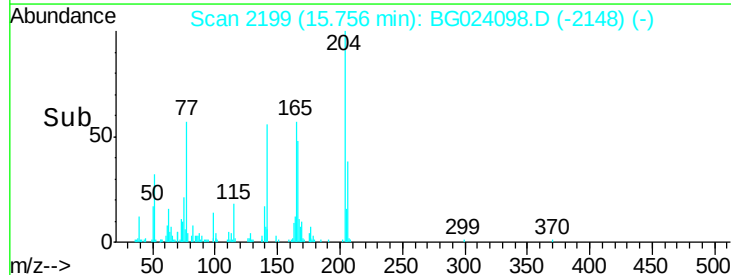
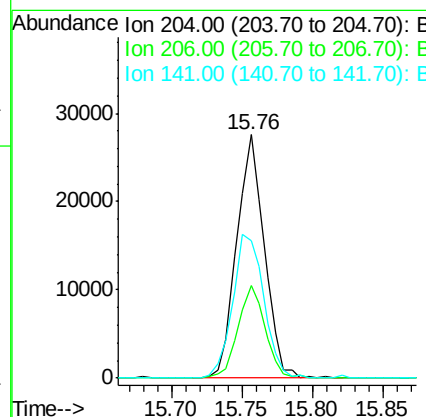
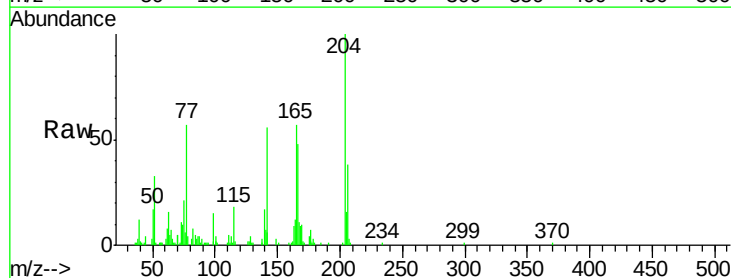
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

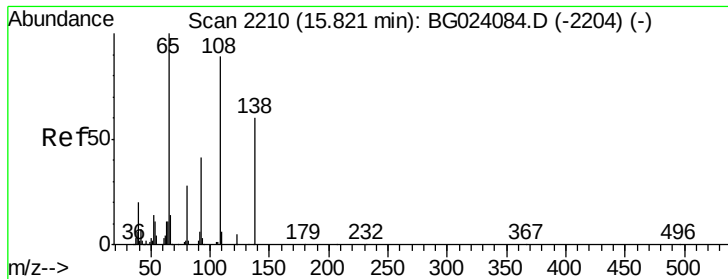
Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.4	19.2	28.8
150	15.4	10.6	16.0



#60
 4-Chlorophenyl-phenylether
 Concen: 6.38 ng
 RT: 15.76 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

Tgt Ion	Ratio	Lower	Upper
204	100		
206	38.1	28.5	42.7
141	56.4	51.4	77.0

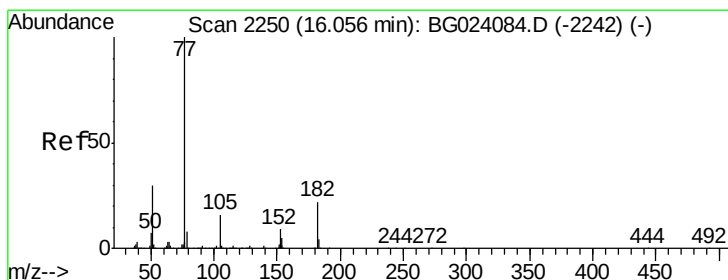
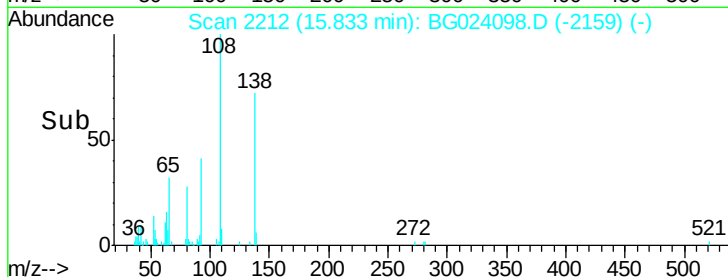
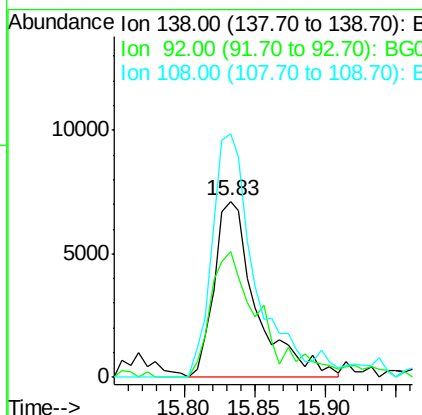
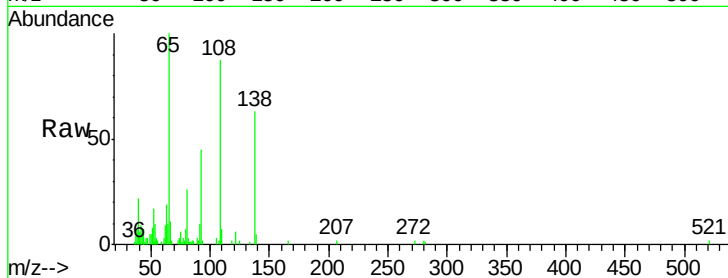




#61
4-Nitroaniline
Concen: 5.76 ng
RT: 15.83 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

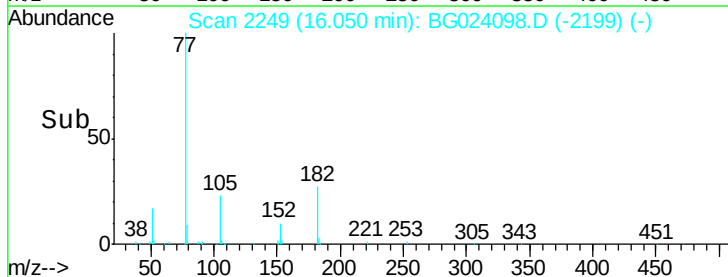
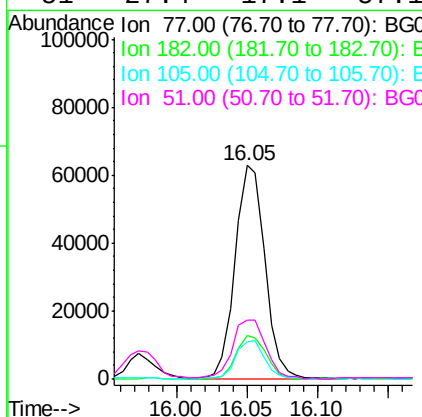
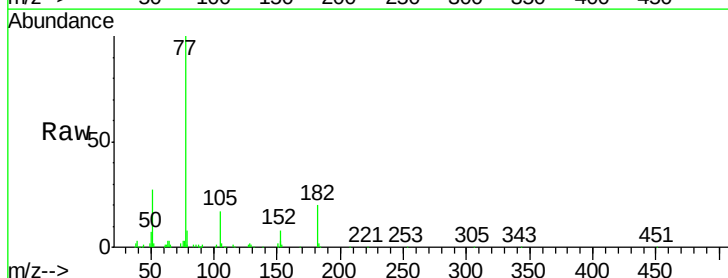
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

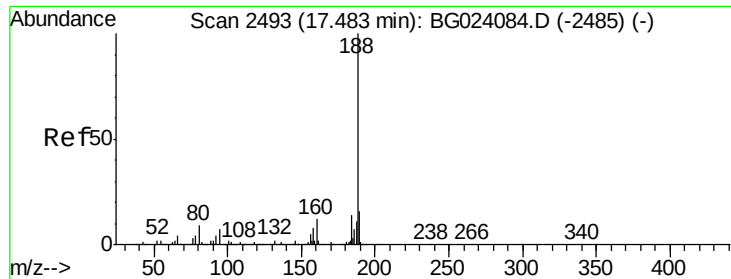
Tgt Ion: 138 Resp: 14853
Ion Ratio Lower Upper
138 100
92 71.6 54.1 94.1
108 138.3 133.9 173.9



#62
Azobenzene
Concen: 7.20 ng
RT: 16.05 min Scan# 2249
Delta R.T. -0.01 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

Tgt Ion: 77 Resp: 93565
Ion Ratio Lower Upper
77 100
182 20.4 3.5 43.5
105 17.3 0.0 38.5
51 27.4 17.1 57.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.48 min Scan# 2493

Delta R.T. 0.00 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

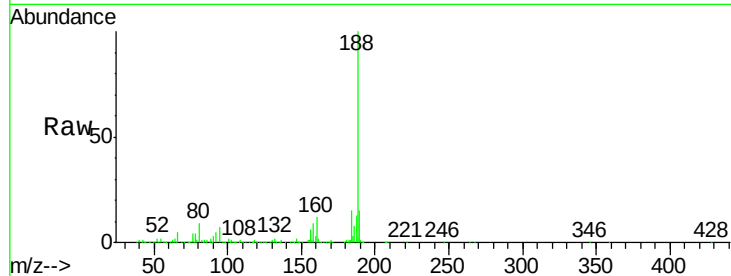
Tgt Ion:188 Resp: 383350

Ion Ratio Lower Upper

188 100

94 7.3 5.2 7.8

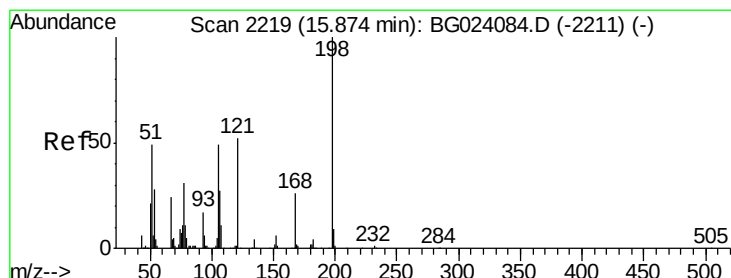
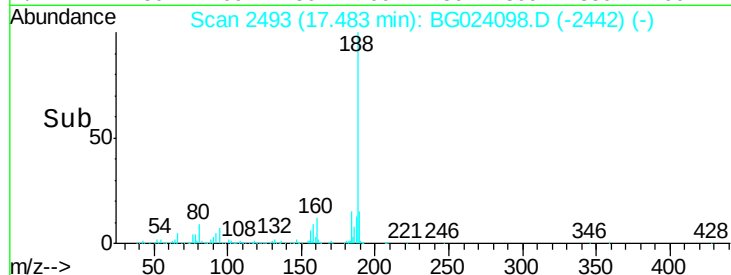
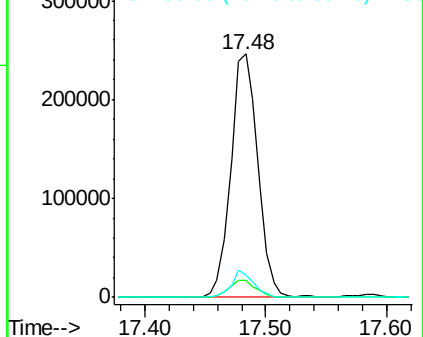
80 8.9 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 3.87 ng

RT: 15.89 min Scan# 2222

Delta R.T. 0.02 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

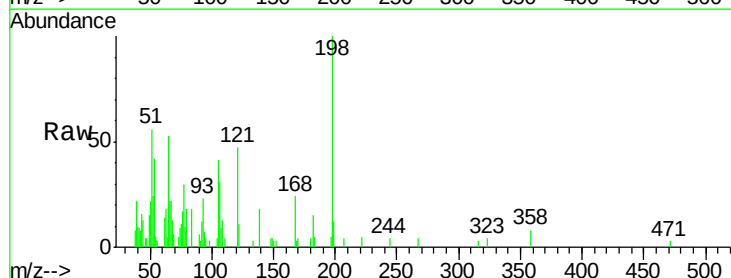
Tgt Ion:198 Resp: 10305

Ion Ratio Lower Upper

198 100

51 56.4 26.0 66.0

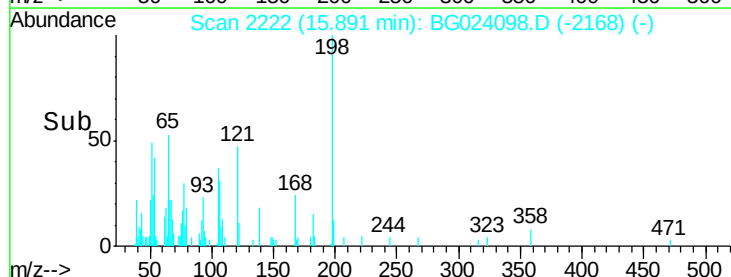
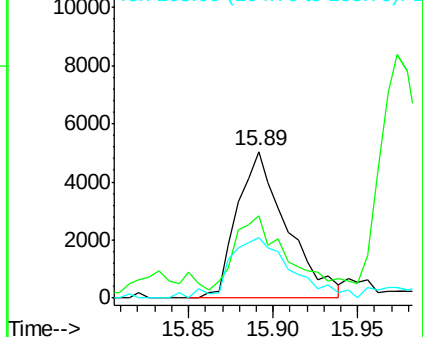
105 41.2 20.1 60.1

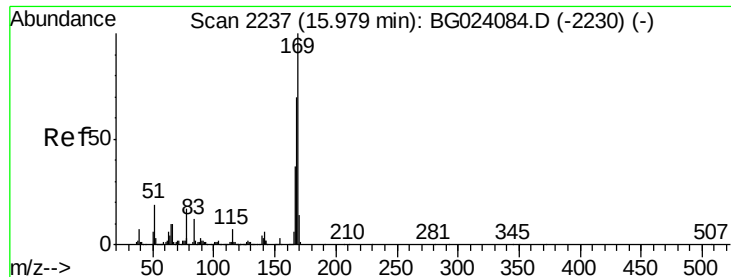


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

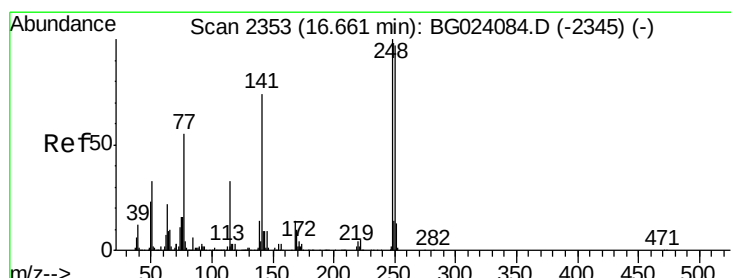
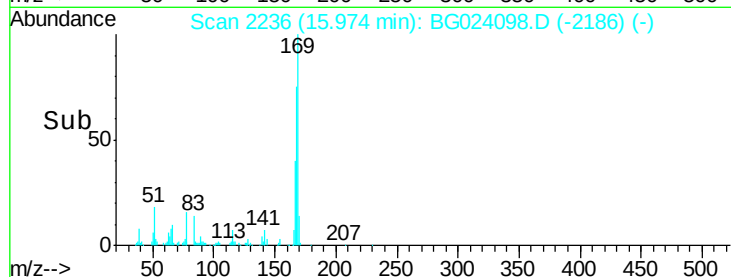
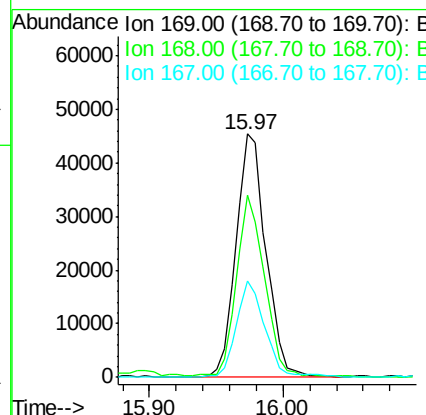
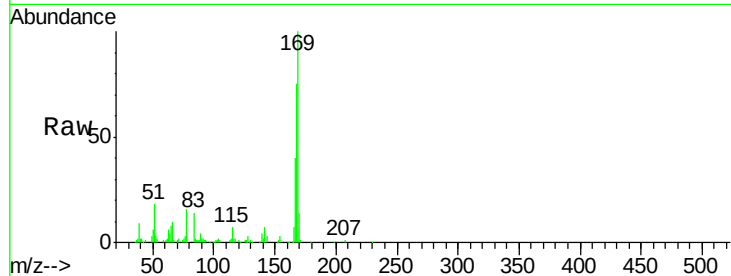




#65
n-Nitrosodiphenylamine
Concen: 6.74 ng
RT: 15.97 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

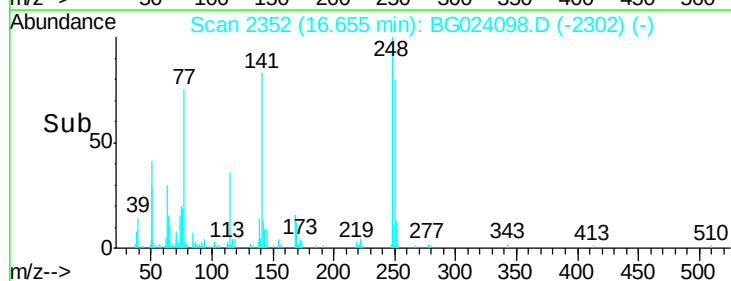
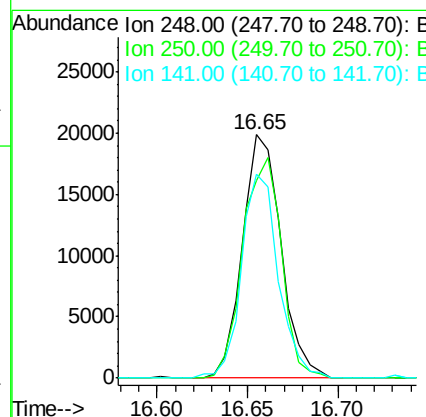
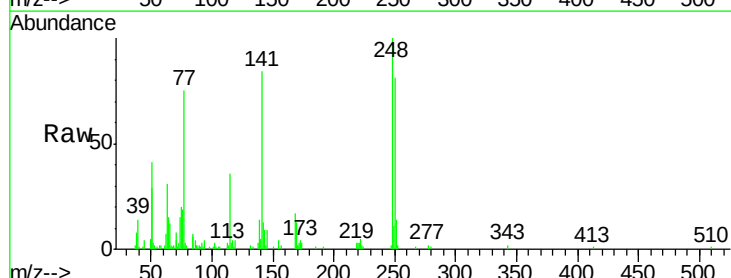
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

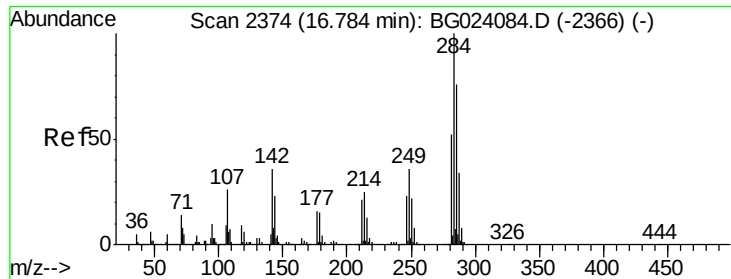
Tgt Ion	Ratio	Lower	Upper
169	100		
168	74.9	55.0	82.4
167	39.6	27.4	41.0



#66
4-Bromophenyl-phenylether
Concen: 6.65 ng
RT: 16.65 min Scan# 2352
Delta R.T. -0.01 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

Tgt Ion	Ratio	Lower	Upper
248	100		
250	81.3	77.8	116.8
141	84.0	65.7	98.5





#67

Hexachlorobenzene

Concen: 6.11 ng

RT: 16.78 min Scan# 2374

Delta R.T. 0.00 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

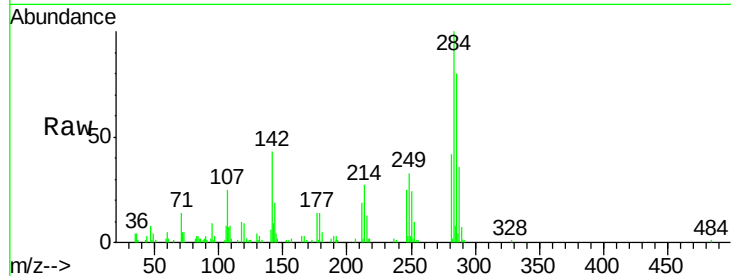
Tgt Ion:284 Resp: 30611

Ion Ratio Lower Upper

284 100

142 43.4 26.8 40.2#

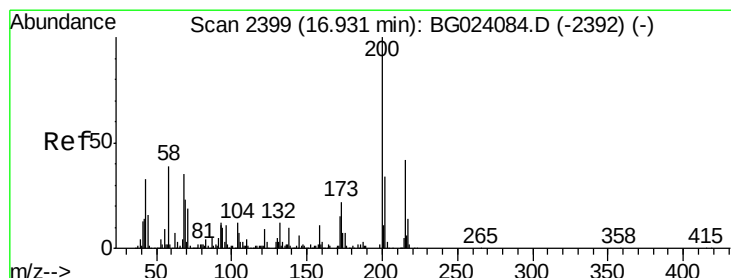
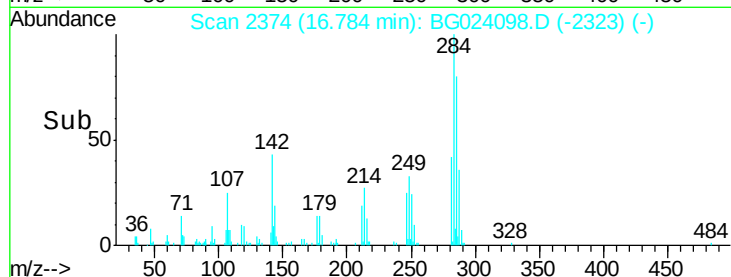
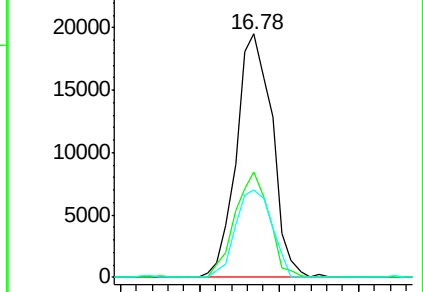
249 35.7 28.9 43.3



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 6.38 ng

RT: 16.93 min Scan# 2398

Delta R.T. -0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

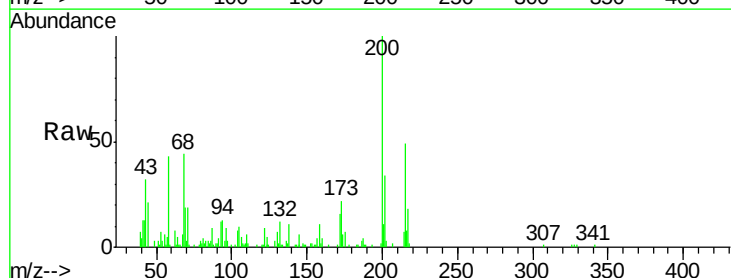
Tgt Ion:200 Resp: 29538

Ion Ratio Lower Upper

200 100

173 22.3 1.6 41.6

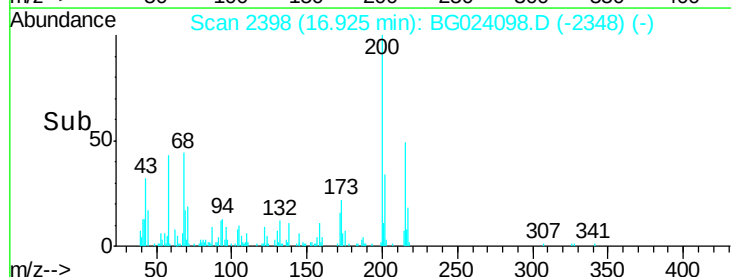
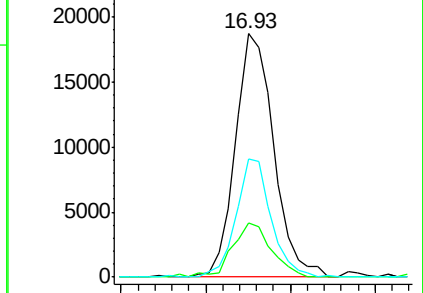
215 48.8 28.7 68.7

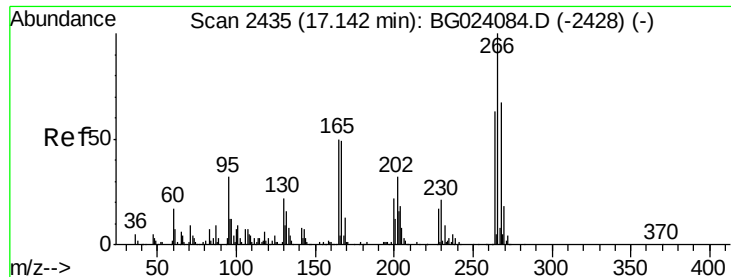


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 6.35 ng

RT: 17.15 min Scan# 2437

Delta R.T. 0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

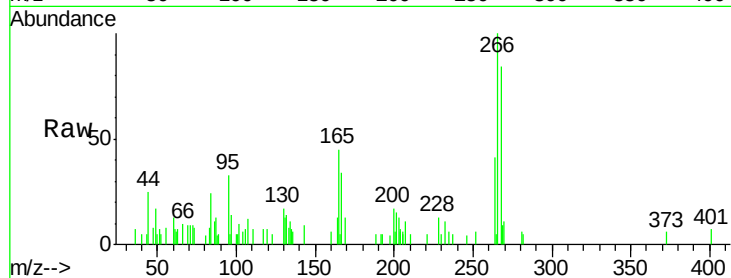
Tgt Ion:266 Resp: 7578

Ion Ratio Lower Upper

266 100

268 83.8 51.9 77.9#

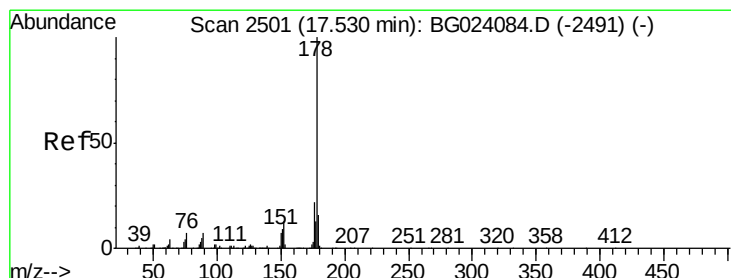
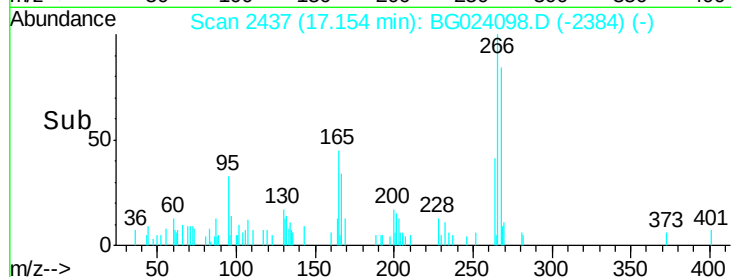
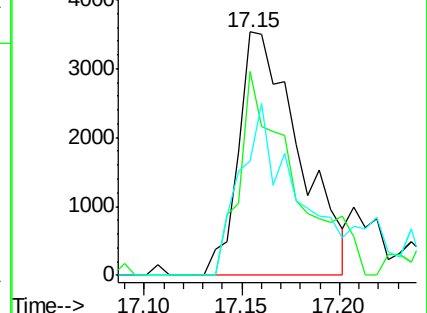
264 46.8 50.6 75.8#



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: 7.13 ng

RT: 17.52 min Scan# 2500

Delta R.T. -0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

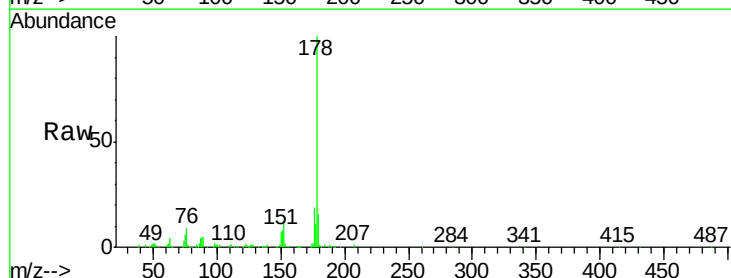
Tgt Ion:178 Resp: 139308

Ion Ratio Lower Upper

178 100

176 19.1 16.8 25.2

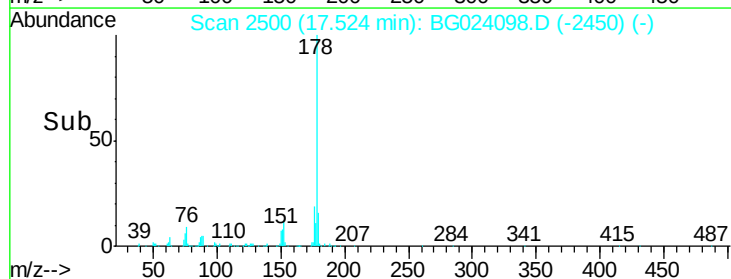
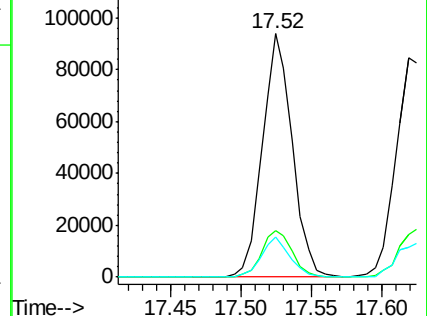
179 16.4 14.3 21.5

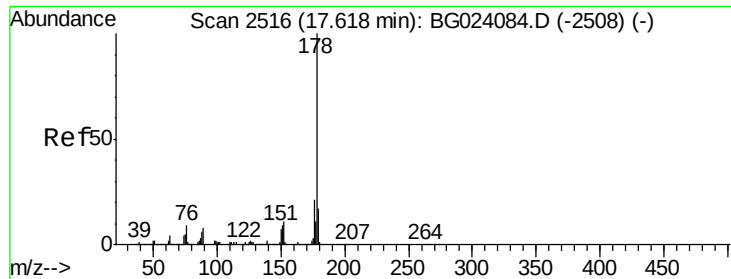


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

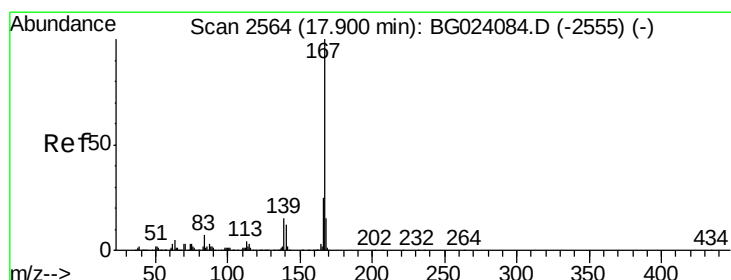
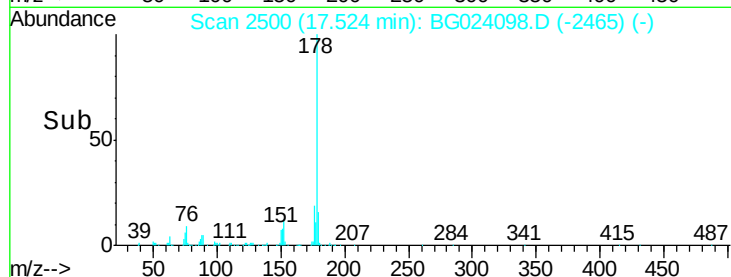
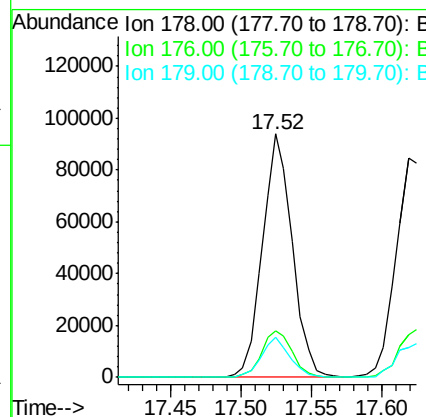
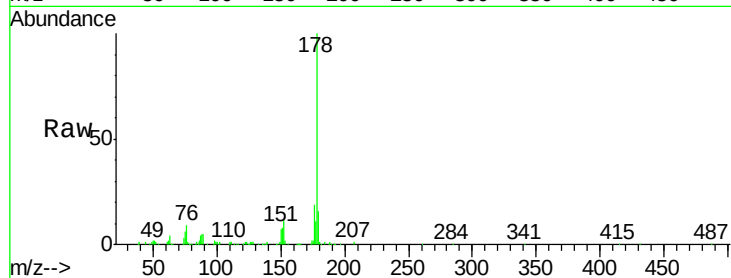




#71
 Anthracene
 Concen: 6.95 ng
 RT: 17.52 min Scan# 2500
 Delta R.T. -0.09 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

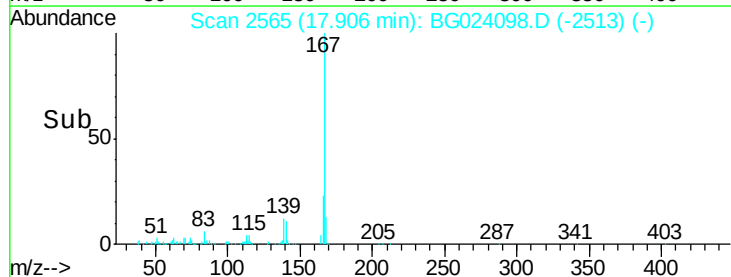
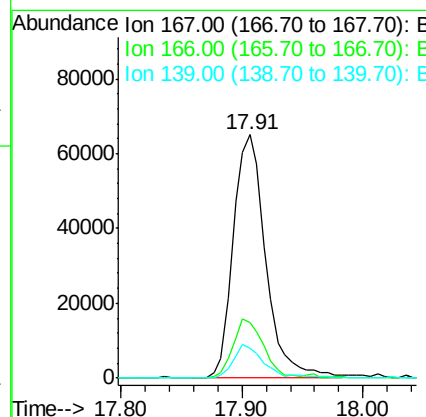
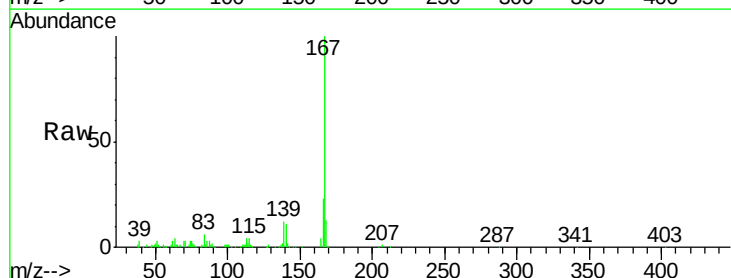
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

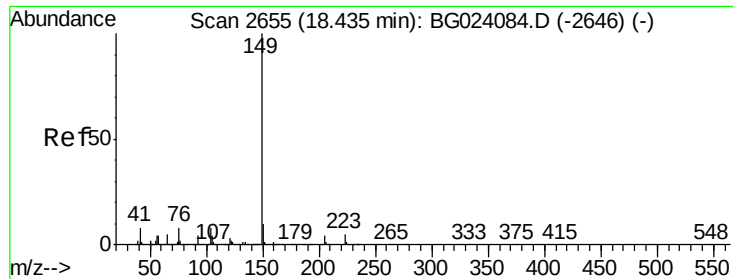
Tgt Ion:178 Resp: 139308
 Ion Ratio Lower Upper
 178 100
 176 19.1 17.3 25.9
 179 16.4 14.0 21.0



#72
 Carbazole
 Concen: 6.53 ng
 RT: 17.91 min Scan# 2565
 Delta R.T. 0.01 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

Tgt Ion:167 Resp: 121885
 Ion Ratio Lower Upper
 167 100
 166 22.8 20.7 31.1
 139 12.4 11.9 17.9





#73

Di-n-butylphthalate

Concen: 6.28 ng

RT: 18.43 min Scan# 2654

Delta R.T. -0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

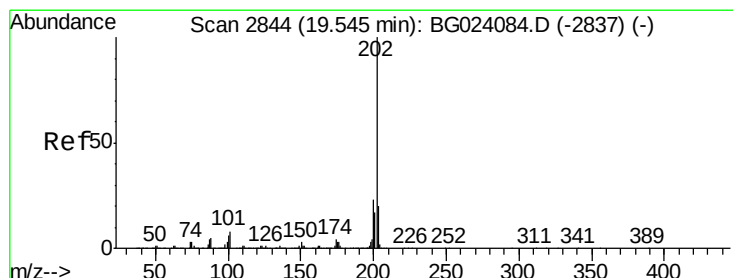
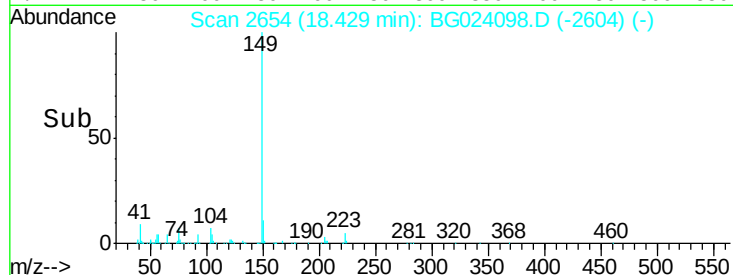
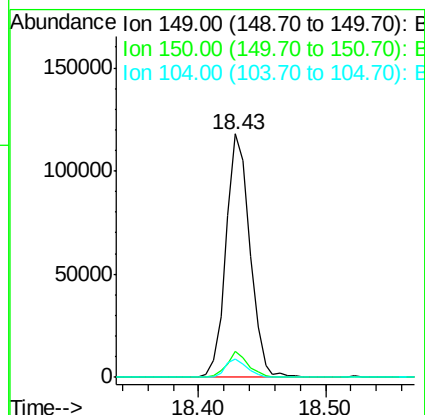
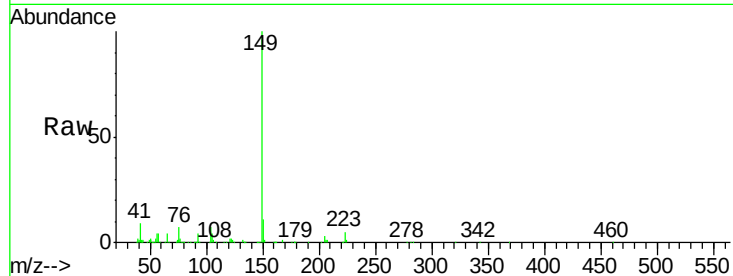
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:	149	Resp:	153376
Ion Ratio		Lower	Upper
149	100		
150	10.7	9.1	13.7
104	7.5	6.9	10.3



#74

Fluoranthene

Concen: 6.82 ng

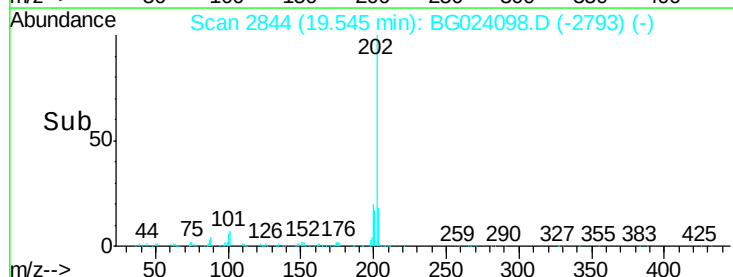
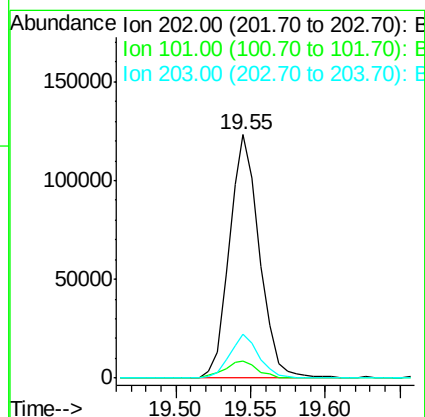
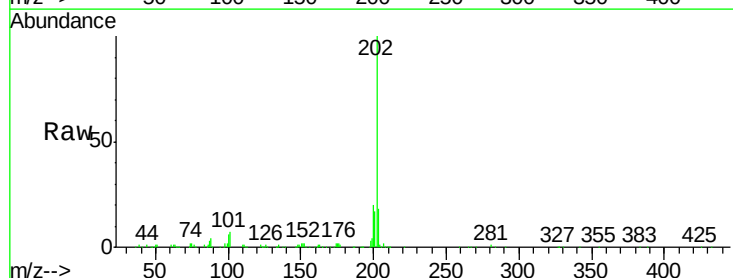
RT: 19.55 min Scan# 2844

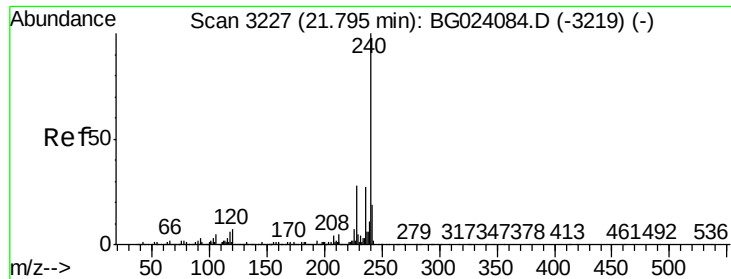
Delta R.T. 0.00 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Tgt Ion:	202	Resp:	173724
Ion Ratio		Lower	Upper
202	100		
101	7.0	0.0	27.4
203	18.0	1.7	41.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.79 min Scan# 3226

Delta R.T. -0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

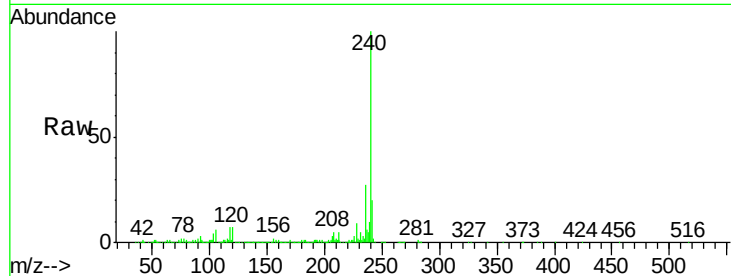
Tgt Ion:240 Resp: 416182

Ion Ratio Lower Upper

240 100

120 6.9 4.1 6.1#

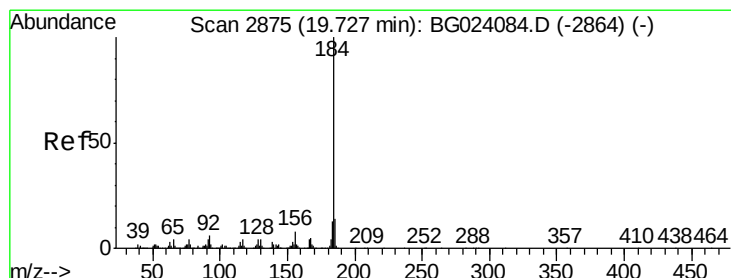
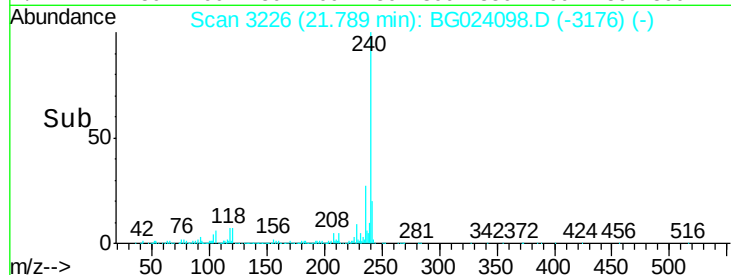
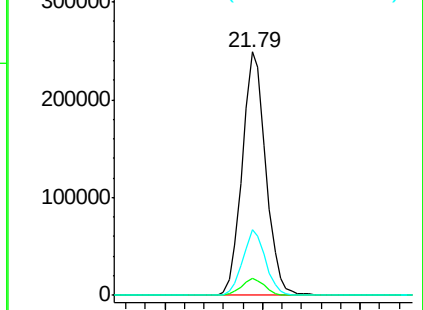
236 26.9 21.1 31.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 4.25 ng

RT: 19.74 min Scan# 2877

Delta R.T. 0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

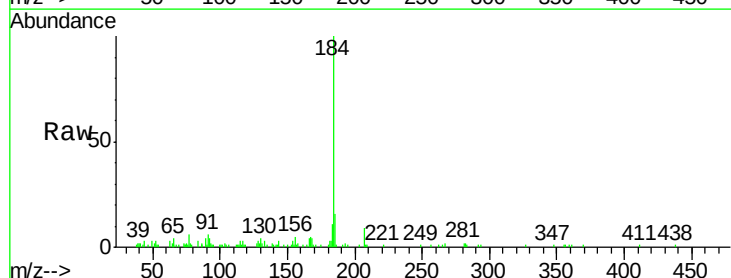
Tgt Ion:184 Resp: 50125

Ion Ratio Lower Upper

184 100

185 16.2 12.6 19.0

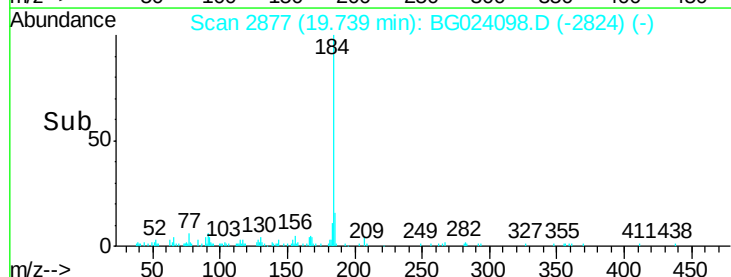
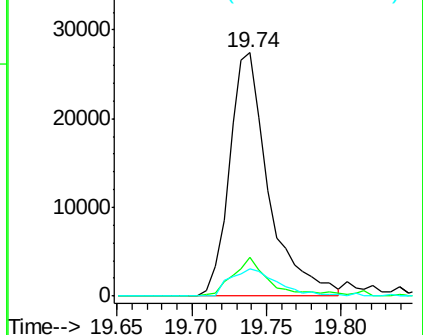
183 11.3 10.7 16.1

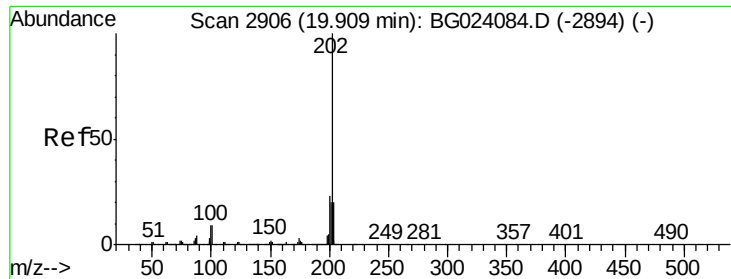


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 6.02 ng

RT: 19.91 min Scan# 2906

Delta R.T. 0.00 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

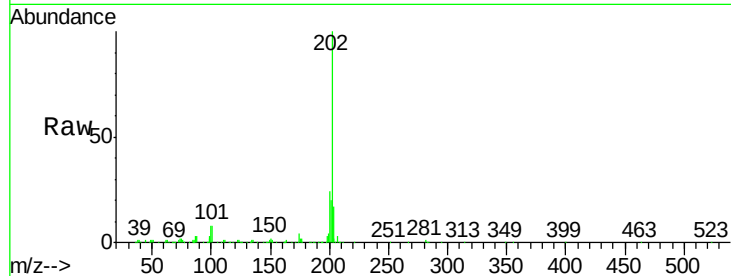
Tgt Ion:202 Resp: 174916

Ion Ratio Lower Upper

202 100

200 24.0 21.2 31.8

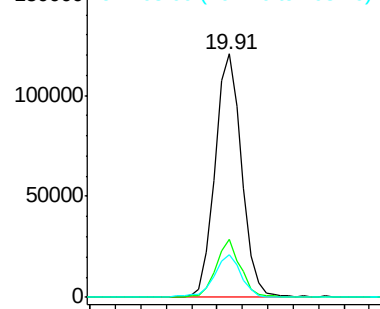
203 17.4 16.8 25.2



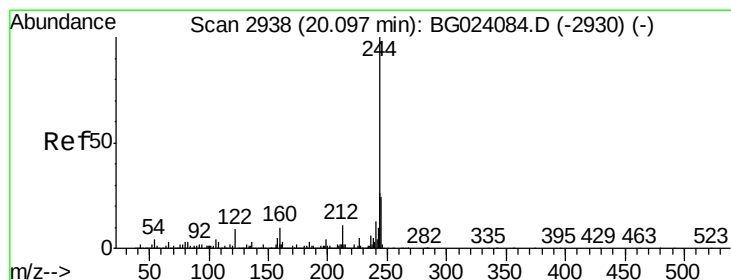
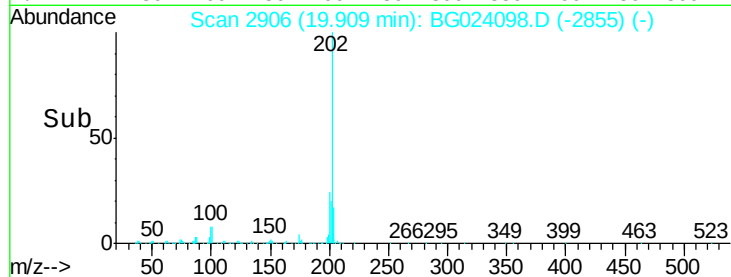
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.80 19.90 20.00



#78

Terphenyl-d14

Concen: 75.00 ng

RT: 20.09 min Scan# 2937

Delta R.T. -0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

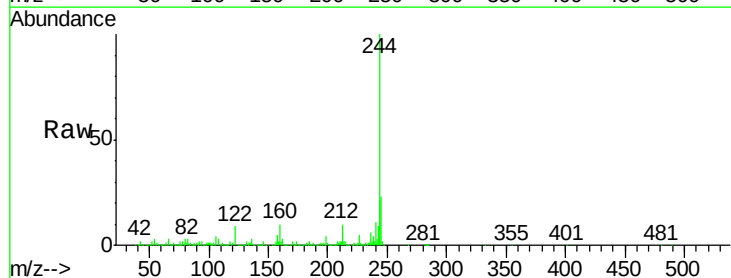
Tgt Ion:244 Resp: 1524305

Ion Ratio Lower Upper

244 100

212 10.5 10.8 16.2#

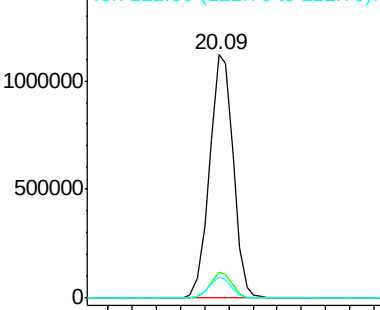
122 8.7 8.0 12.0



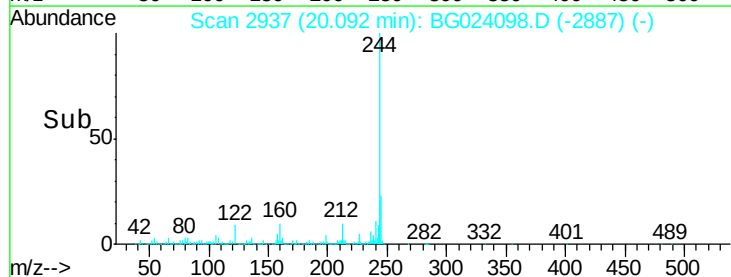
Abundance Ion 244.00 (243.70 to 244.70): E

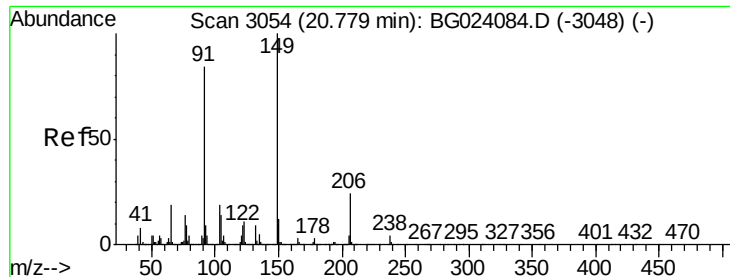
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 20.00 20.10 20.20

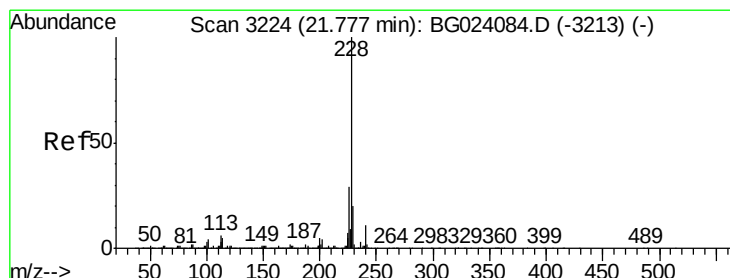
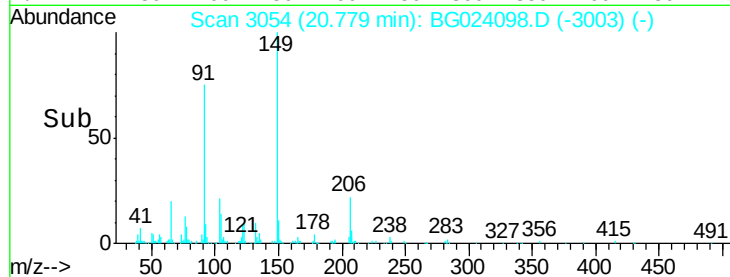
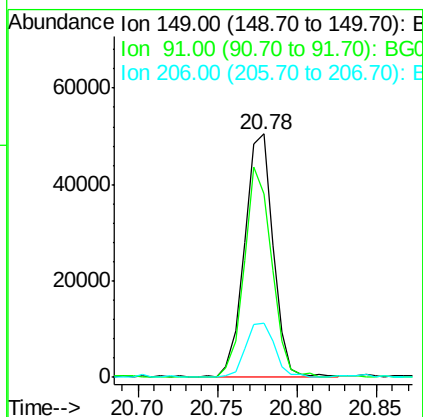
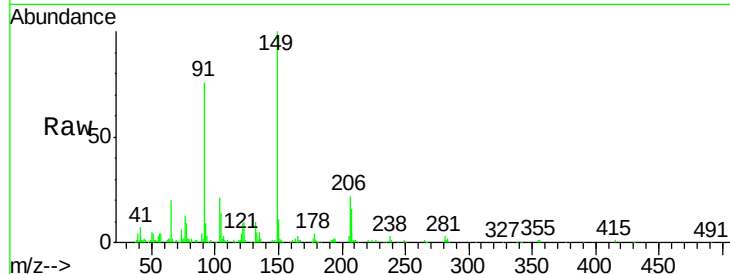




#79
Butylbenzylphthalate
Concen: 5.94 ng
RT: 20.78 min Scan# 3054
Delta R.T. 0.00 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

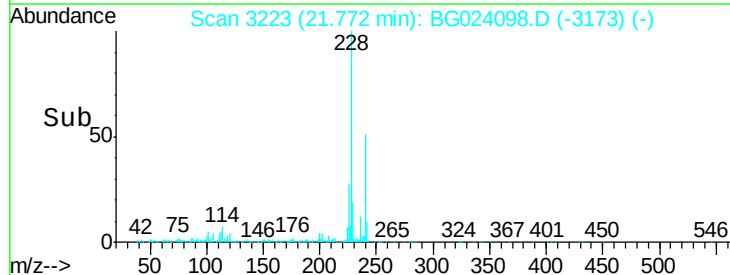
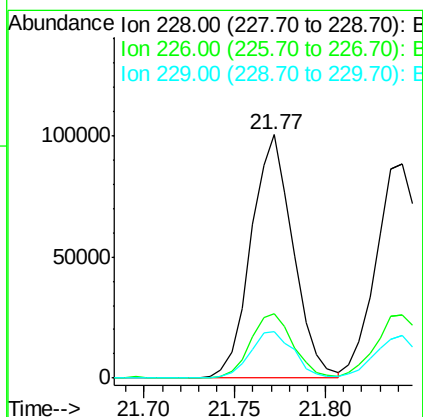
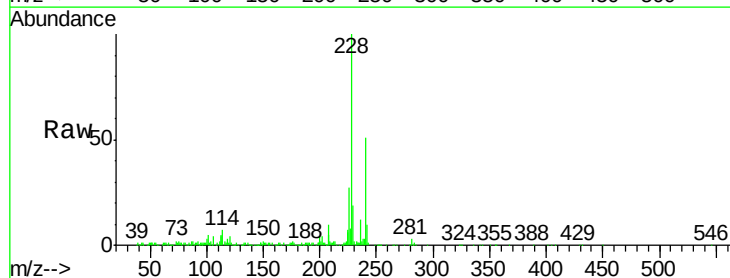
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

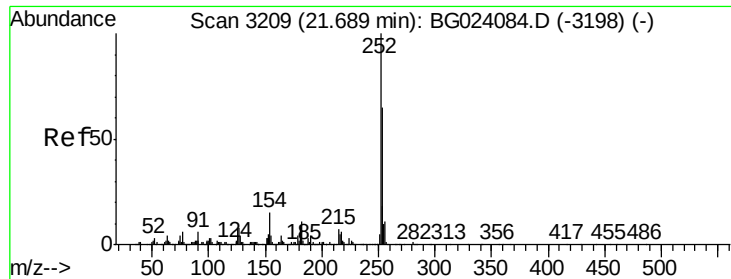
Tgt Ion:149 Resp: 63550
Ion Ratio Lower Upper
149 100
91 75.6 68.1 102.1
206 22.5 19.8 29.6



#80
Benzo(a)anthracene
Concen: 6.86 ng
RT: 21.77 min Scan# 3223
Delta R.T. -0.01 min
Lab File: BG024098.D
Acq: 23 Sep 2016 21:58

Tgt Ion:228 Resp: 162464
Ion Ratio Lower Upper
228 100
226 26.6 25.3 37.9
229 19.3 19.9 29.9#

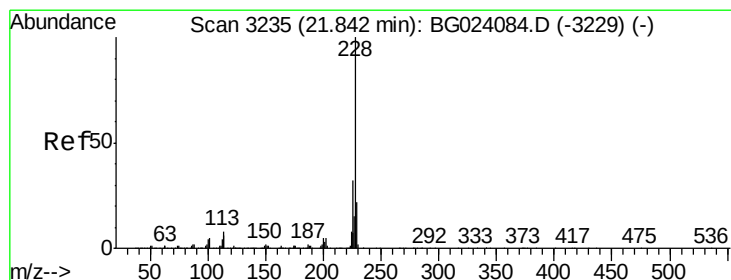
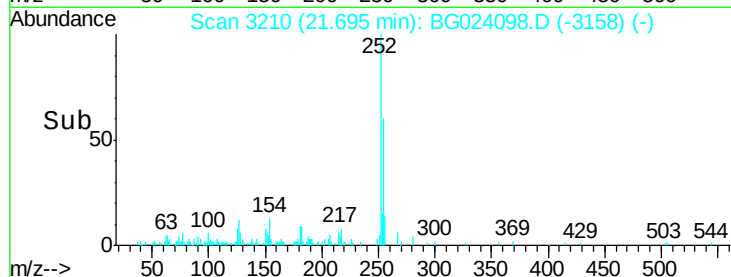
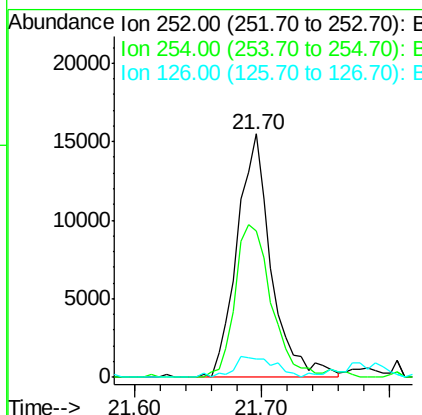
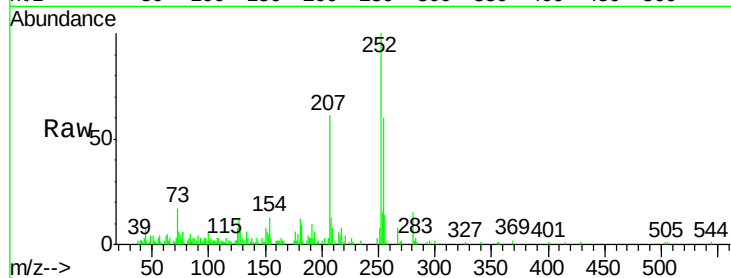




#81
 3,3'-Dichlorobenzidine
 Concen: 3.39 ng
 RT: 21.70 min Scan# 3210
 Delta R.T. 0.01 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

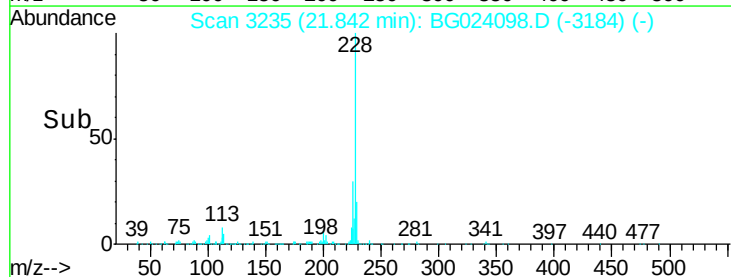
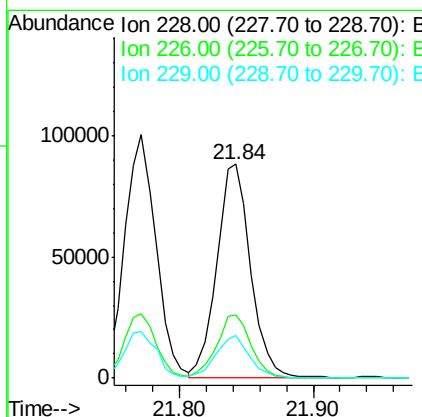
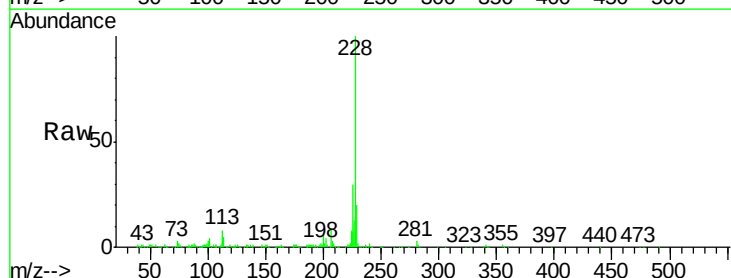
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

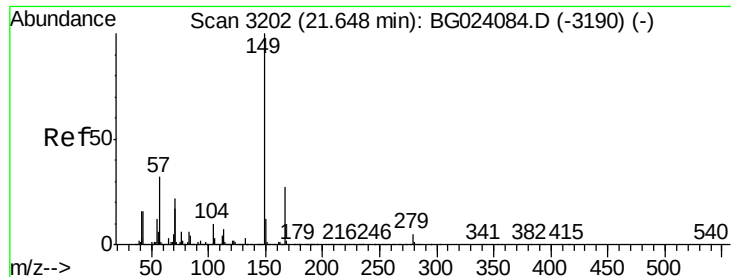
Tgt Ion: 252 Resp: 28791
 Ion Ratio Lower Upper
 252 100
 254 60.0 51.2 76.8
 126 7.7 5.3 7.9



#82
 Chrysene
 Concen: 6.99 ng
 RT: 21.84 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

Tgt Ion: 228 Resp: 155664
 Ion Ratio Lower Upper
 228 100
 226 29.8 26.7 40.1
 229 19.9 17.4 26.2

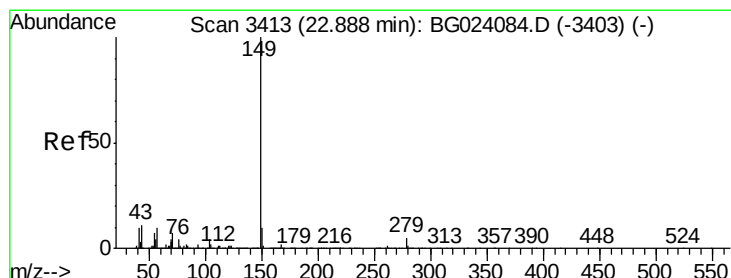
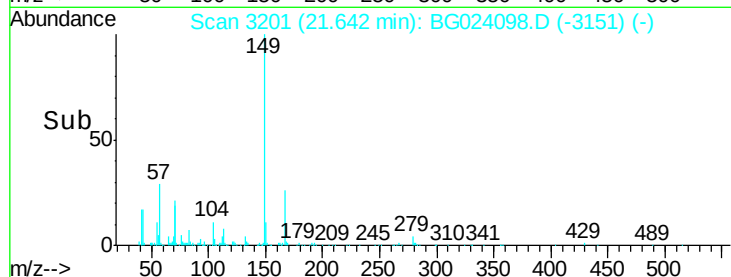
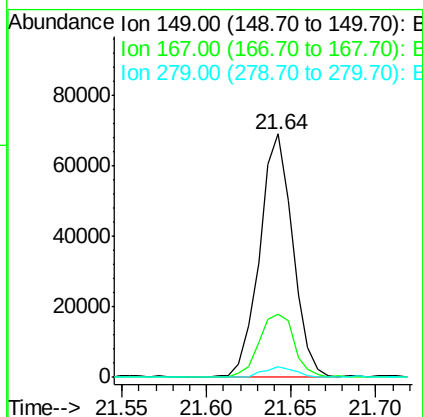
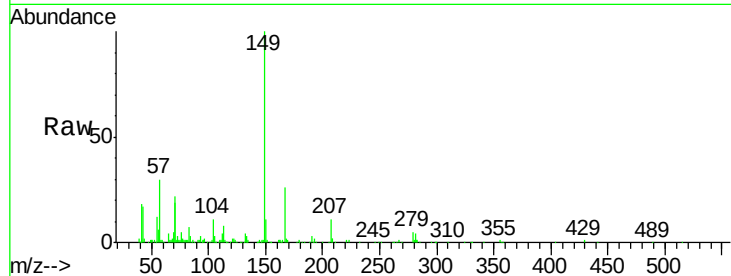




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.36 ng
 RT: 21.64 min Scan# 3201
 Delta R.T. -0.01 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

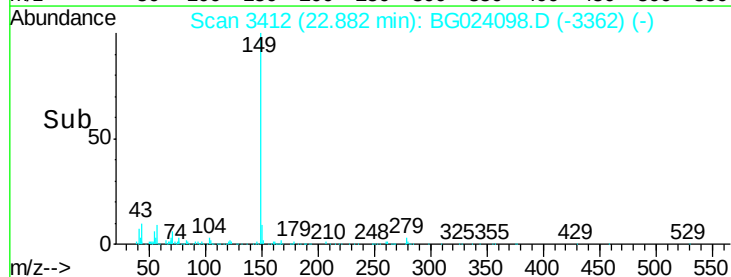
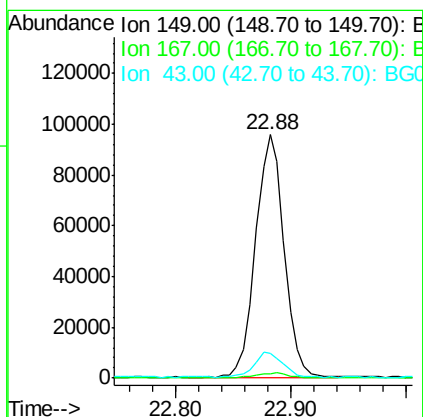
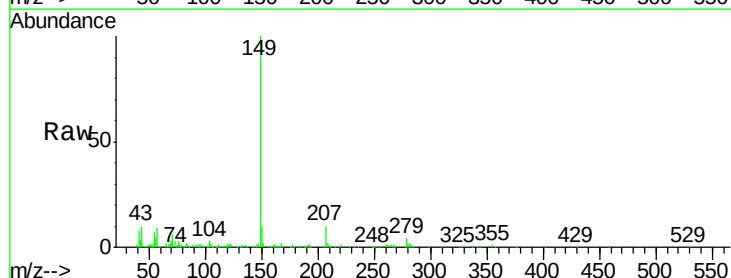
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

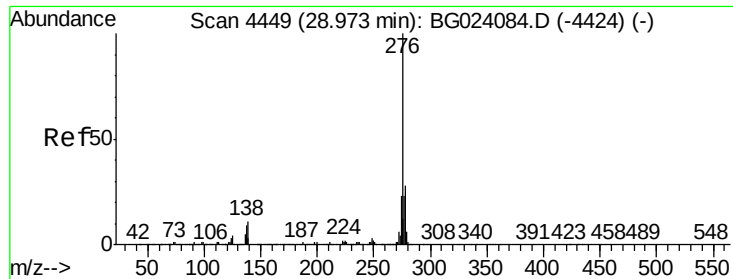
Tgt Ion:149 Resp: 94070
 Ion Ratio Lower Upper
 149 100
 167 26.0 24.0 36.0
 279 4.6 4.8 7.2#



#84
 Di-n-octyl phthalate
 Concen: 7.49 ng
 RT: 22.88 min Scan# 3412
 Delta R.T. -0.01 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

Tgt Ion:149 Resp: 165155
 Ion Ratio Lower Upper
 149 100
 167 2.1 1.5 2.3
 43 10.7 8.8 13.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.00 ng

RT: 28.95 min Scan# 4445

Delta R.T. -0.02 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

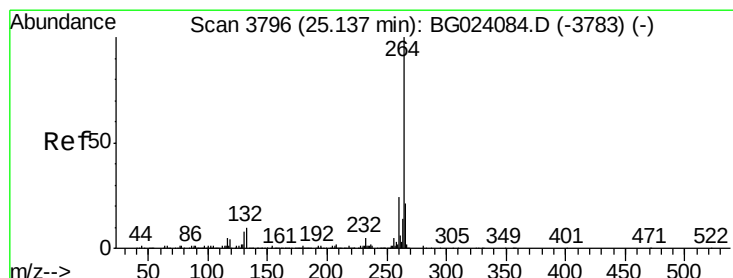
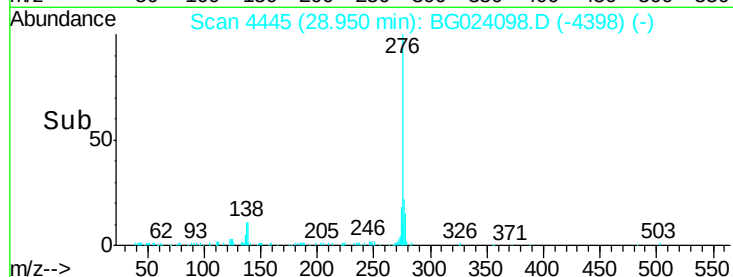
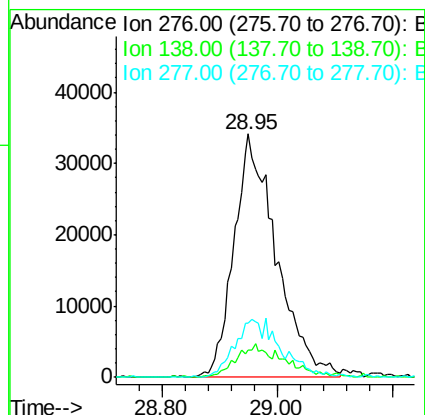
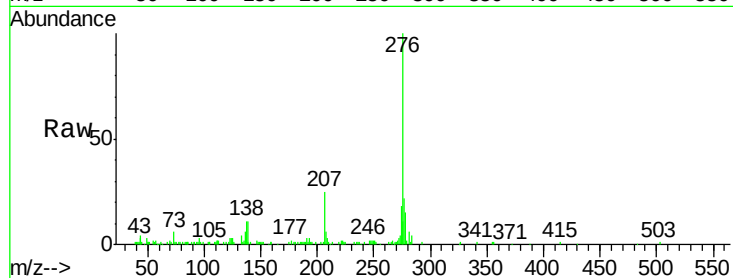
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:	276	Resp:	173951
Ion Ratio	Lower	Upper	
276	100		
138	9.7	0.0	0.0#
277	14.6	0.0	0.0#



#86

Perylene-d12

Concen: 20.00 ng

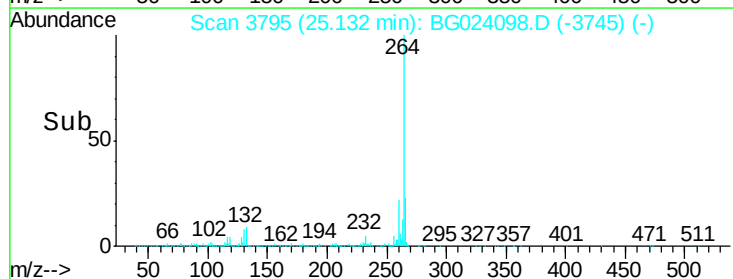
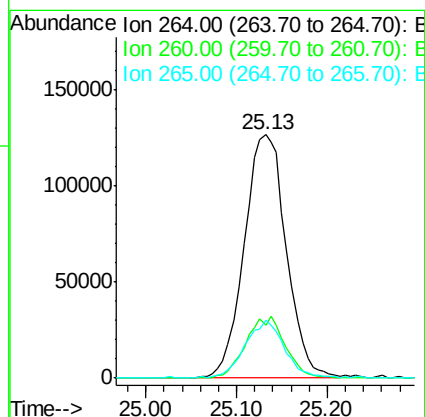
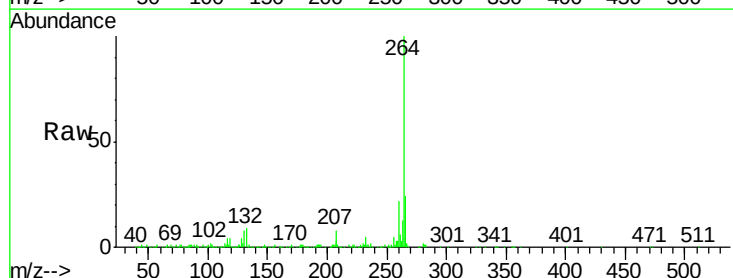
RT: 25.13 min Scan# 3795

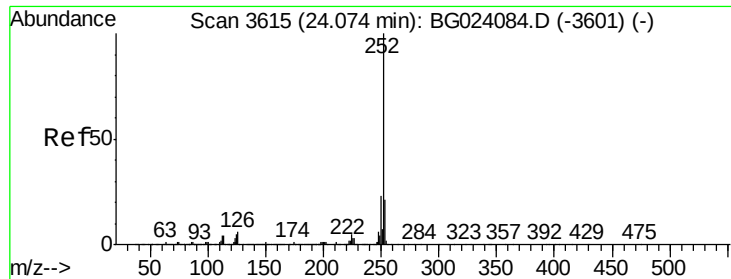
Delta R.T. -0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Tgt Ion:	264	Resp:	406940
Ion Ratio	Lower	Upper	
264	100		
260	21.5	18.4	27.6
265	23.7	18.9	28.3





#87

Benzo(b)fluoranthene

Concen: 6.90 ng

RT: 24.06 min Scan# 3613

Delta R.T. -0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

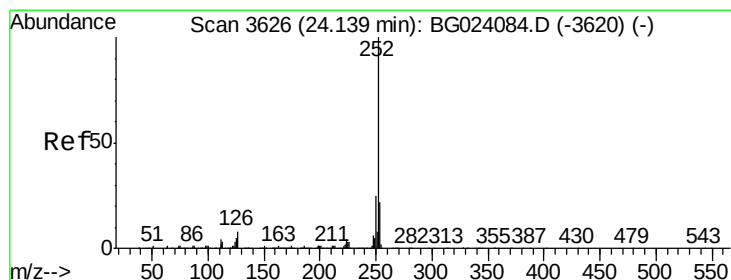
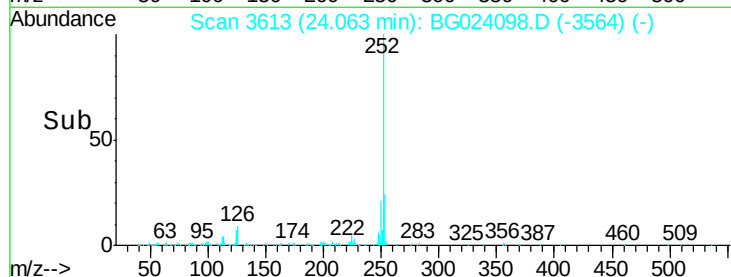
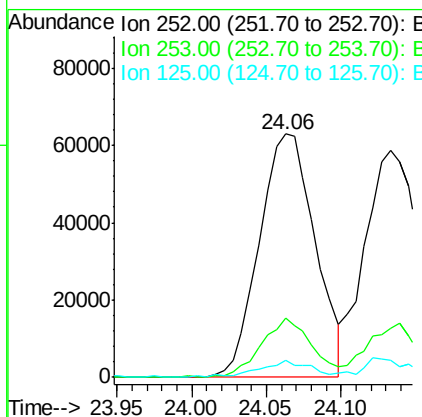
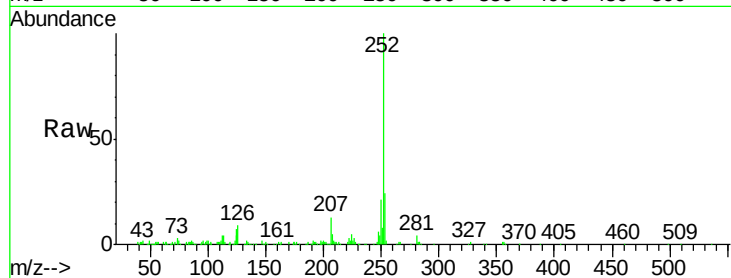
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:	252	Resp:	163307
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.9	28.3
125	7.3	3.9	5.9#



#88

Benzo(k)fluoranthene

Concen: 6.47 ng

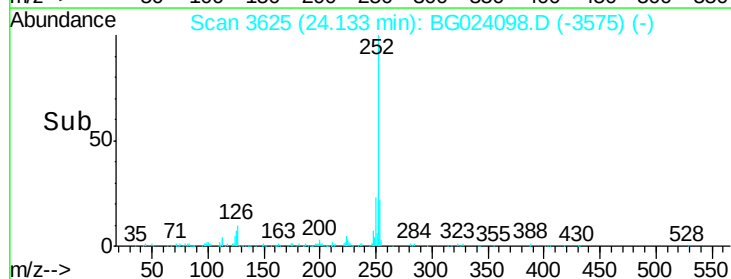
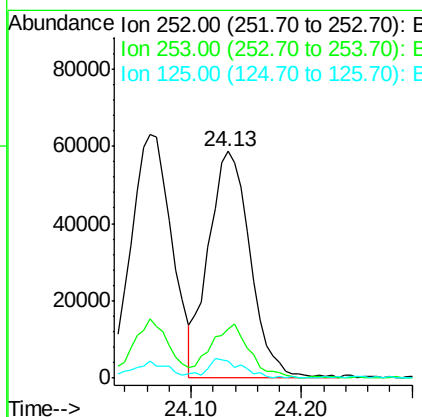
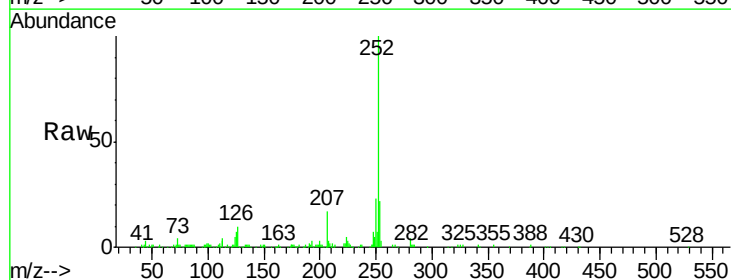
RT: 24.13 min Scan# 3625

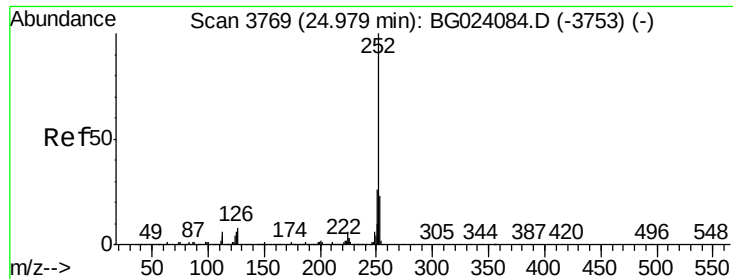
Delta R.T. -0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Tgt Ion:	252	Resp:	152112
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.8	28.2
125	7.5	3.2	4.8#





#89

Benzo(a)pyrene

Concen: 6.70 ng

RT: 24.97 min Scan# 3767

Delta R.T. -0.01 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

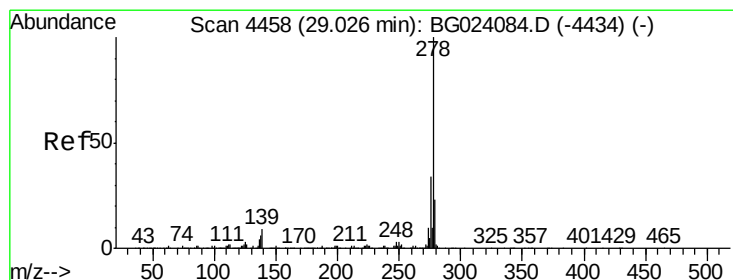
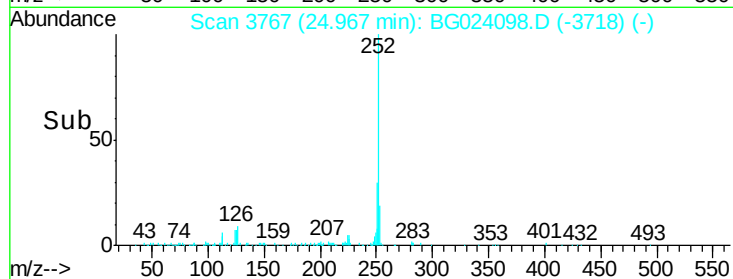
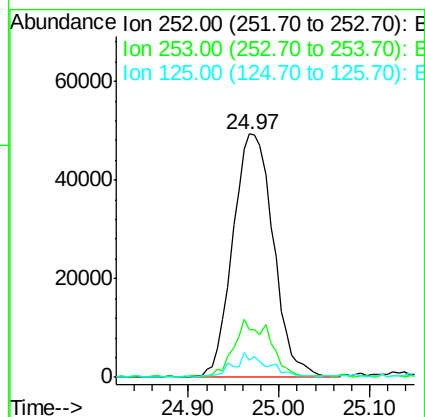
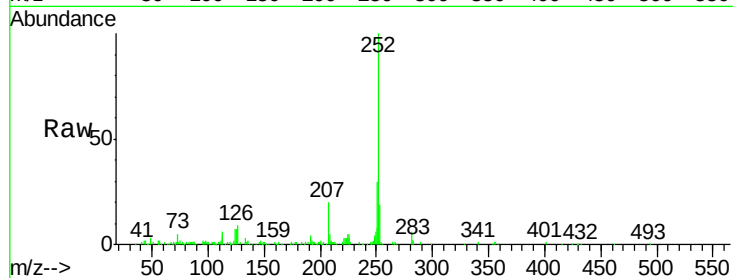
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:	252	Resp:	153286
Ion Ratio	Lower	Upper	
252	100		
253	19.5	18.7	28.1
125	6.8	3.9	5.9#



#90

Dibenzo(a,h)anthracene

Concen: 6.56 ng

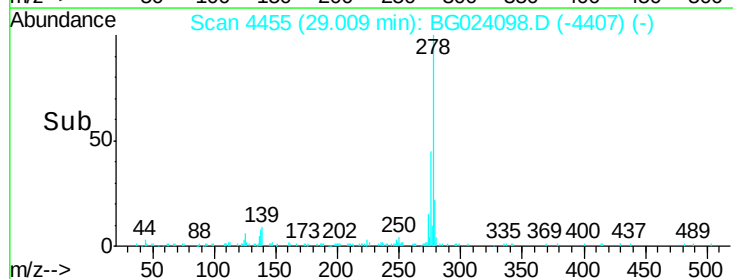
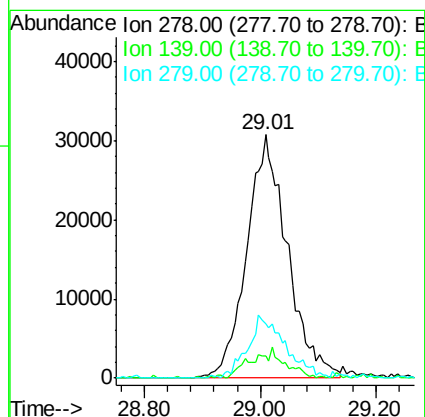
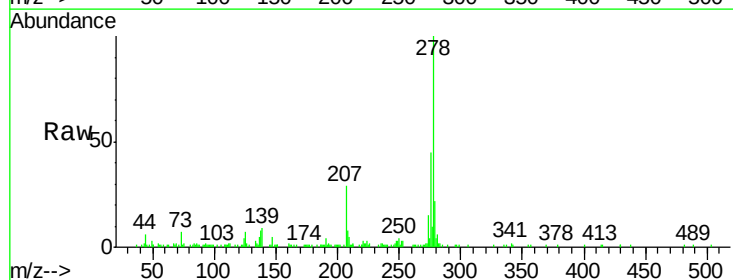
RT: 29.01 min Scan# 4455

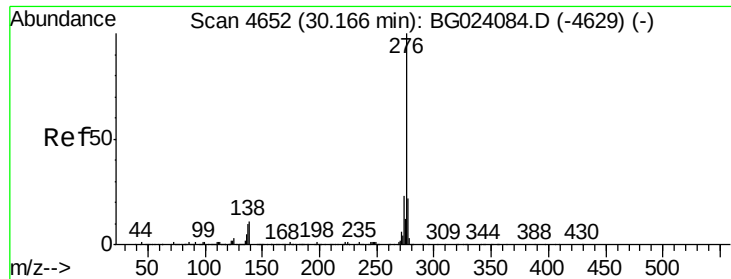
Delta R.T. -0.02 min

Lab File: BG024098.D

Acq: 23 Sep 2016 21:58

Tgt Ion:	278	Resp:	149932
Ion Ratio	Lower	Upper	
278	100		
139	9.4	4.7	7.1#
279	22.2	18.3	27.5

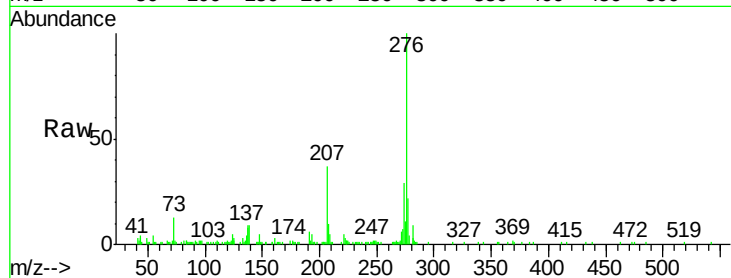




#91
 Benzo(g,h,i)perylene
 Concen: 6.36 ng
 RT: 30.18 min Scan# 4654
 Delta R.T. 0.01 min
 Lab File: BG024098.D
 Acq: 23 Sep 2016 21:58

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tgt Ion:	276	Resp:	146348
Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.6	27.8
138	8.8	6.8	10.2



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

