

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122116\
 Data File : BG025371.D
 Acq On : 22 Dec 2016 00:00
 Operator : UM/SJ
 Sample : H6103-01
 Misc : LOD 1 PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Quant Time: Dec 22 02:49:52 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 18:42:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	47883	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	195304	20.00	ng	0.00
38) Acenaphthene-d10	14.84	164	144682	20.00	ng	0.00
63) Phenanthrene-d10	17.58	188	346675	20.00	ng	0.00
75) Chrysene-d12	21.87	240	552931	20.00	ng	0.00
86) Perylene-d12	25.28	264	572531	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	375565	142.57	ng	0.00
7) Phenol-d6	7.37	99	523741	141.17	ng	0.00
23) Nitrobenzene-d5	9.39	82	376739	85.22	ng	0.00
41) 2,4,6-Tribromophenol	16.33	330	323254	138.78	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	825503	92.37	ng	0.00
78) Terphenyl-d14	20.16	244	1676472	80.39	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.58	88	1101	0.98	ng	# 11
3) Pyridine	4.02	79	1791	0.55	ng	# 83
4) n-Nitrosodimethylamine	3.94	42	2251	1.16	ng	# 82
6) Aniline	7.54	93	3352	0.67	ng	# 90
8) 2-Chlorophenol	7.78	128	3477	1.17	ng	# 73
9) Benzaldehyde	7.36	77	3124	1.15	ng	# 46
10) Phenol	7.43	94	278	0.07	ng	# 91
11) bis(2-Chloroethyl)ether	7.64	93	2900	0.92	ng	# 34
12) 1,3-Dichlorobenzene	8.25	146	3205	0.89	ng	# 91
13) 1,4-Dichlorobenzene	8.25	146	3205	0.86	ng	# 71
14) 1,2-Dichlorobenzene	8.56	146	3110	0.87	ng	# 63
15) Benzyl Alcohol	8.67	79	741	0.21	ng	# 90
16) 2,2'-oxybis(1-Chloropropan	8.75	45	3792	0.65	ng	# 64
17) 2-Methylphenol	8.68	107	2467	0.91	ng	# 62
18) Hexachloroethane	9.29	117	810	0.57	ng	# 93
19) n-Nitroso-di-n-propylamine	9.01	70	2002	0.64	ng	# 68
20) 3+4-Methylphenols	9.03	107	3031	0.81	ng	# 67
22) Acetophenone	9.05	105	4104	0.76	ng	# 82
24) Nitrobenzene	9.45	77	4150	0.86	ng	# 74
25) Isophorone	9.96	82	6300	0.79	ng	# 86
26) 2-Nitrophenol	10.17	139	745	0.40	ng	# 88
27) 2,4-Dimethylphenol	10.17	122	92	0.03	ng	# 1
28) bis(2-Chloroethoxy)methane	10.48	93	3266	0.79	ng	# 83
29) 2,4-Dichlorophenol	10.72	162	91	0.03	ng	# 25
30) 1,2,4-Trichlorobenzene	10.90	180	3097	0.79	ng	# 52
31) Naphthalene	11.10	128	7697	0.79	ng	# 98
32) Benzoic acid	10.38	122	290	0.12	ng	# 1
33) 4-Chloroaniline	11.26	127	1999	0.49	ng	# 53
34) Hexachlorobutadiene	11.35	225	2886	0.90	ng	# 76
35) Caprolactam	11.99	113	75	0.06	ng	# 1
36) 4-Chloro-3-methylphenol	12.37	107	2341	0.58	ng	# 81
37) 2-Methylnaphthalene	12.70	142	6067	0.84	ng	# 92
39) 1,2,4,5-Tetrachlorobenzene	13.05	216	4667	0.98	ng	# 94
40) Hexachlorocyclopentadiene	13.03	237	76	8.55	ng	# 29

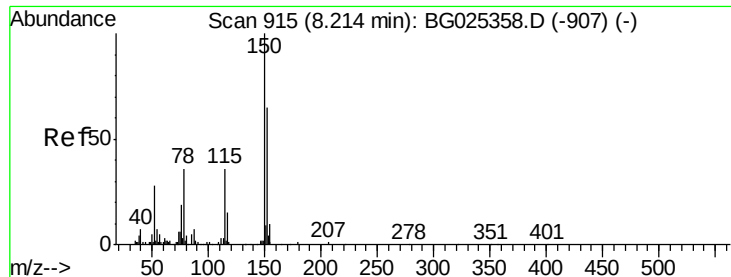
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122116\
 Data File : BG025371.D
 Acq On : 22 Dec 2016 00:00
 Operator : UM/SJ
 Sample : H6103-01
 Misc : LOD 1 PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Quant Time: Dec 22 02:49:52 2016
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 18:42:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.31	196	2065	0.69	ng	# 94
43) 2,4,5-Trichlorophenol	13.36	196	171	0.05	ng	# 46
45) 1,1'-Biphenyl	13.68	154	10349	1.06	ng	84
46) 2-Chloronaphthalene	13.74	162	7249	0.95	ng	# 77
47) 2-Nitroaniline	13.97	65	2461	0.77	ng	# 65
48) Acenaphthylene	14.56	152	9412	0.80	ng	# 82
49) Dimethylphthalate	14.29	163	7623	0.72	ng	# 91
50) 2,6-Dinitrotoluene	14.44	165	1407	0.61	ng	90
51) Acenaphthene	14.91	154	7209	0.94	ng	# 82
52) 3-Nitroaniline	14.77	138	172	0.08	ng	# 1
53) 2,4-Dinitrophenol	14.98	184	89	5.13	ng	# 15
54) Dibenzofuran	15.24	168	9755	0.80	ng	# 87
55) 4-Nitrophenol	15.24	139	5176	3.13	ng	# 1
56) 2,4-Dinitrotoluene	15.23	165	571	0.17	ng	# 19
57) Fluorene	15.89	166	9360	0.92	ng	# 77
58) 2,3,4,6-Tetrachlorophenol	15.48	232	2384	0.71	ng	# 71
59) Diethylphthalate	15.63	149	9248	0.84	ng	# 89
60) 4-Chlorophenyl-phenylether	15.86	204	5505	0.95	ng	# 71
61) 4-Nitroaniline	15.92	138	79	0.04	ng	# 1
62) Azobenzene	16.16	77	9040	0.85	ng	79
64) 4,6-Dinitro-2-methylphenol	16.02	198	76	0.03	ng	# 36
65) n-Nitrosodiphenylamine	16.10	169	7326	0.78	ng	# 70
66) 4-Bromophenyl-phenylether	16.77	248	3813	0.89	ng	# 86
67) Hexachlorobenzene	16.89	284	3663	0.75	ng	# 83
68) Atrazine	17.03	200	2246	0.55	ng	84
69) Pentachlorophenol	17.18	266	75	0.03	ng	# 40
70) Phenanthrene	17.63	178	13769	0.77	ng	98
71) Anthracene	17.63	178	13769	0.76	ng	98
72) Carbazole	18.01	167	12687	0.78	ng	# 90
73) Di-n-butylphthalate	18.51	149	16564	0.83	ng	# 93
74) Fluoranthene	19.63	202	21759	0.92	ng	89
76) Benzidine	19.83	184	4563	0.33	ng	# 93
77) Pyrene	19.99	202	22574	0.78	ng	# 93
79) Butylbenzylphthalate	20.87	149	513	0.04	ng	96
80) Benzo(a)anthracene	21.85	228	26432	0.86	ng	# 91
81) 3,3'-Dichlorobenzidine	21.77	252	8982	0.75	ng	# 82
82) Chrysene	21.93	228	25275	0.85	ng	# 92
83) Bis(2-ethylhexyl)phthalate	21.69	149	16215	1.00	ng	# 83
84) Di-n-octyl phthalate	22.95	149	23470	0.88	ng	98
85) Indeno(1,2,3-cd)pyrene	29.23	276	24613	0.65	ng	# 76
87) Benzo(b)fluoranthene	24.20	252	26901	0.86	ng	# 87
88) Benzo(k)fluoranthene	24.26	252	26215	0.87	ng	# 83
89) Benzo(a)pyrene	25.12	252	24155	0.80	ng	# 89
90) Dibenzo(a,h)anthracene	29.28	278	3012	0.09	ng	96
91) Benzo(g,h,i)perylene	30.45	276	9933	0.31	ng	# 85

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 915

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

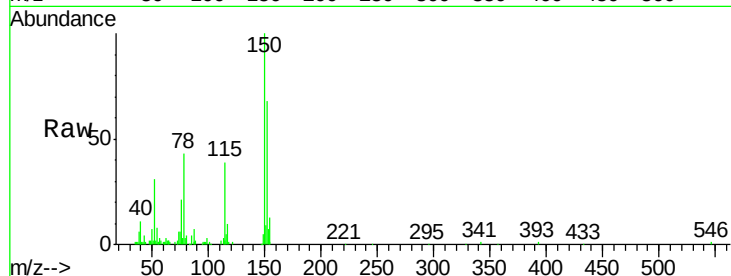
Tgt Ion:152 Resp: 47883

Ion Ratio Lower Upper

152 100

150 147.7 114.0 171.0

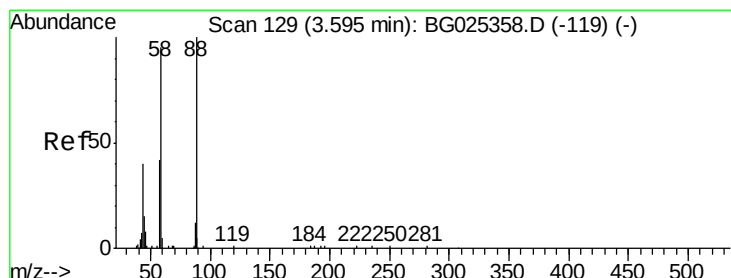
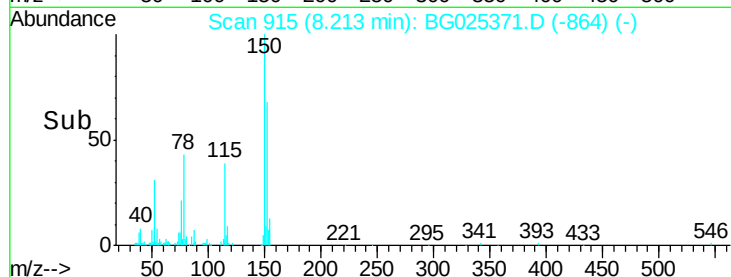
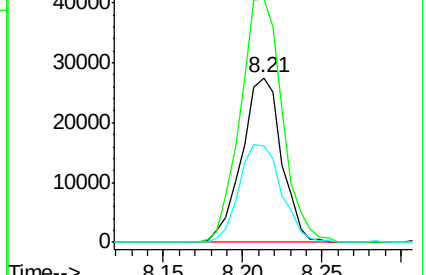
115 58.1 48.1 72.1



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: 0.98 ng

RT: 3.58 min Scan# 127

Delta R.T. -0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

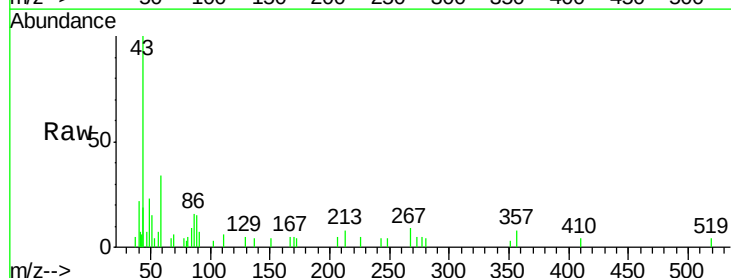
Tgt Ion: 88 Resp: 1101

Ion Ratio Lower Upper

88 100

58 65.1 79.4 119.2#

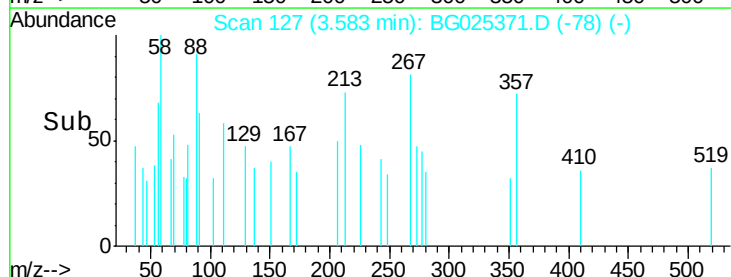
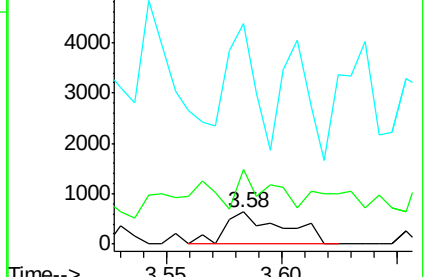
43 180.8 33.8 50.6#

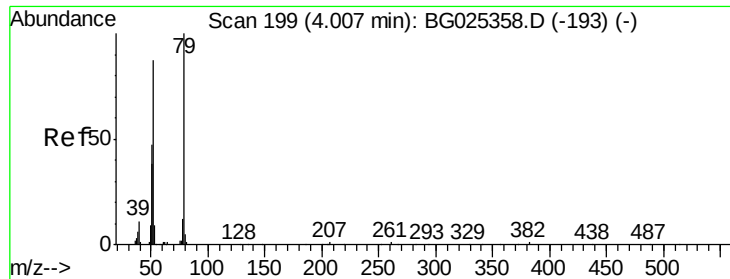


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

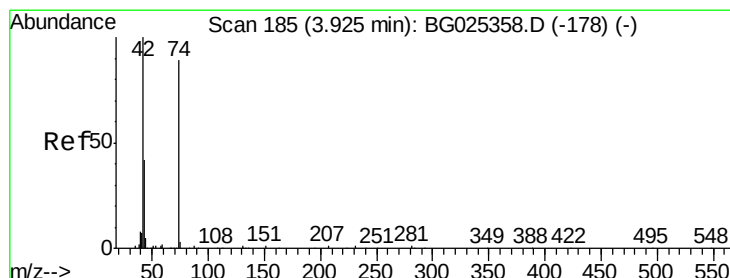
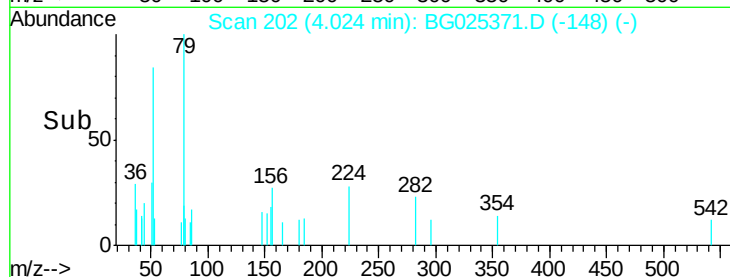
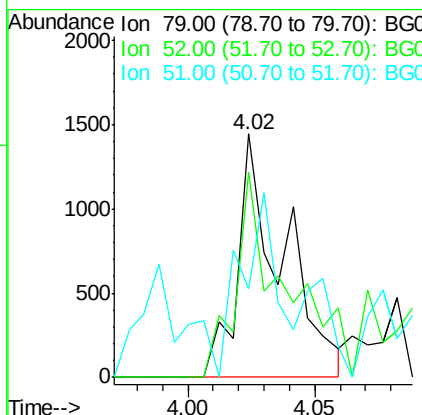
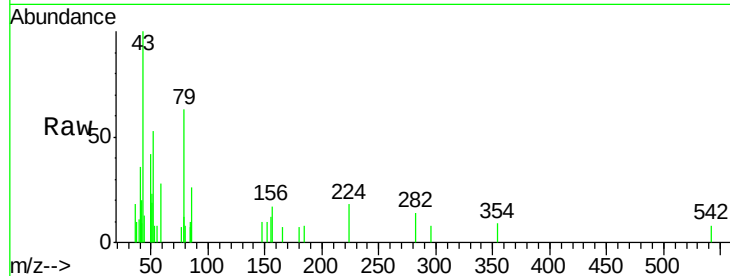




#3
 Pyridine
 Concen: 0.55 ng
 RT: 4.02 min Scan# 202
 Delta R.T. 0.02 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

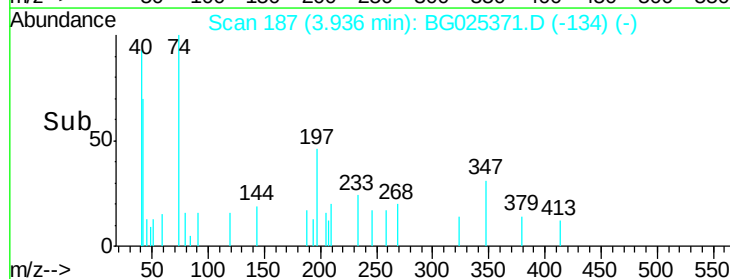
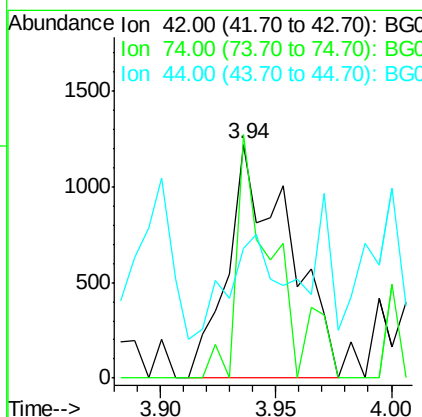
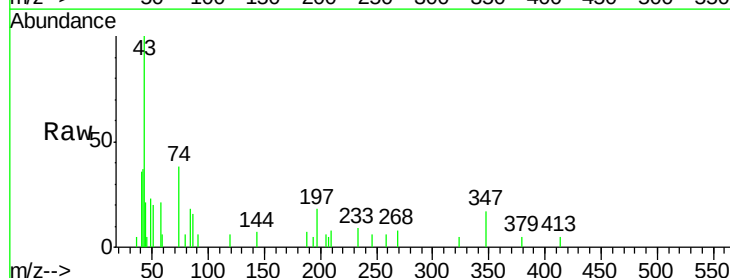
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

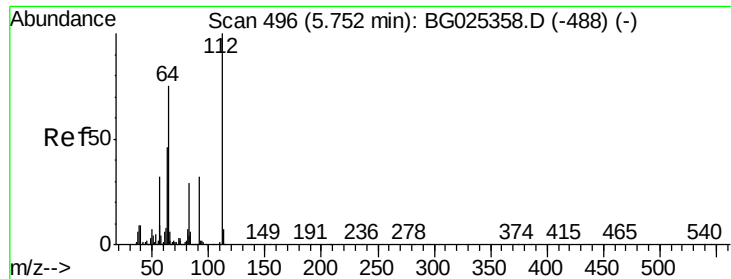
Tgt Ion: 79 Resp: 1791
 Ion Ratio Lower Upper
 79 100
 52 84.4 77.8 116.6
 51 36.6 43.2 64.8#



#4
 n-Nitrosodimethylamine
 Concen: 1.16 ng
 RT: 3.94 min Scan# 187
 Delta R.T. 0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

Tgt Ion: 42 Resp: 2251
 Ion Ratio Lower Upper
 42 100
 74 104.3 76.7 115.1
 44 55.7 6.1 9.1#





#5

2-Fluorophenol

Concen: 142.57 ng

RT: 5.75 min Scan# 496

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

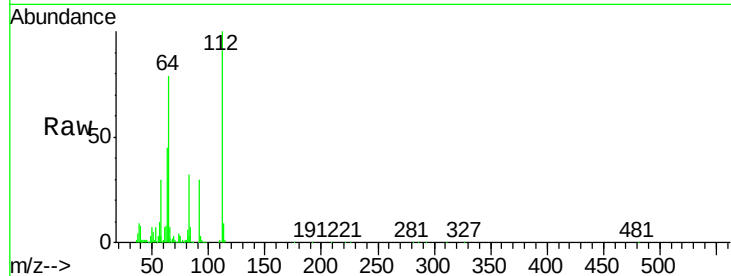
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tgt Ion:	112	Resp:	375565
Ion	Ratio	Lower	Upper
112	100		
64	79.2	61.8	92.6
63	44.9	37.2	55.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

5.75

200000

150000

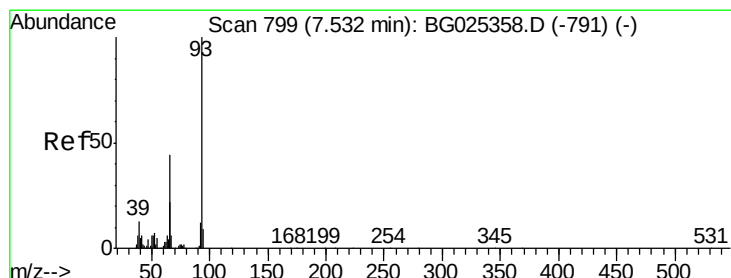
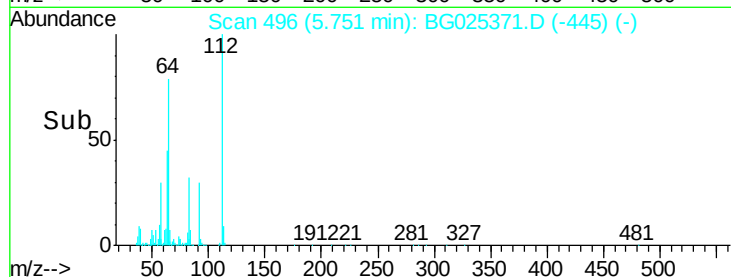
100000

50000

0

Time-->

5.70 5.80 5.90



#6

Aniline

Concen: 0.67 ng

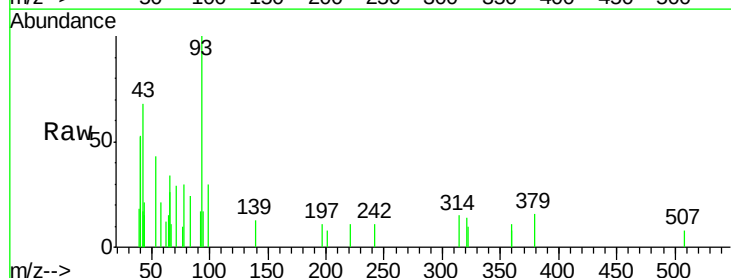
RT: 7.54 min Scan# 800

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:	93	Resp:	3352
Ion	Ratio	Lower	Upper
93	100		
66	34.2	35.4	53.2#
65	26.1	21.2	31.8



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

7.54

2500

2000

1500

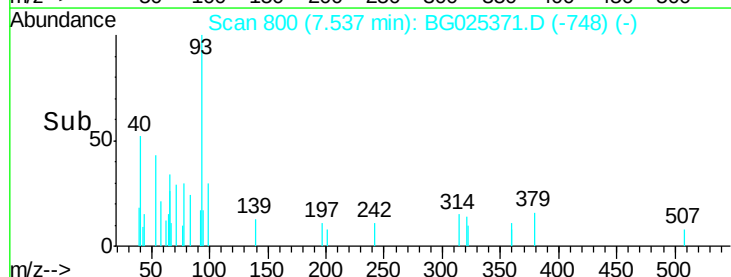
1000

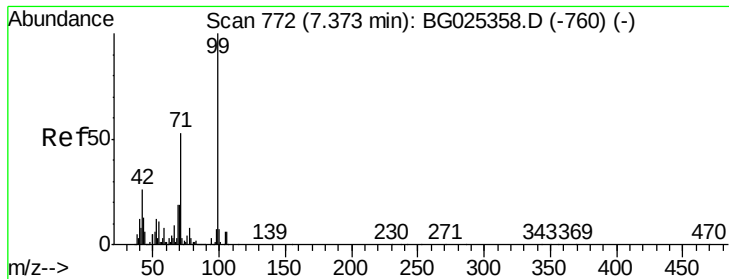
500

0

Time-->

7.50 7.55 7.60





#7

Phenol-d6

Concen: 141.17 ng

RT: 7.37 min Scan# 772

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

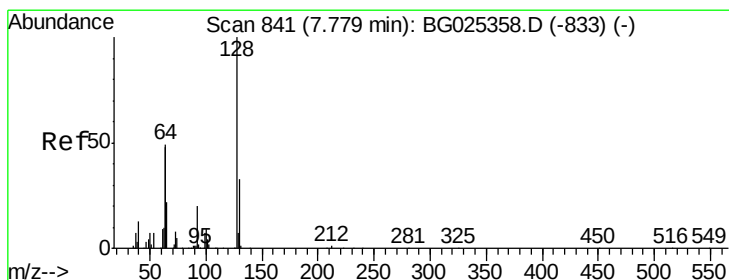
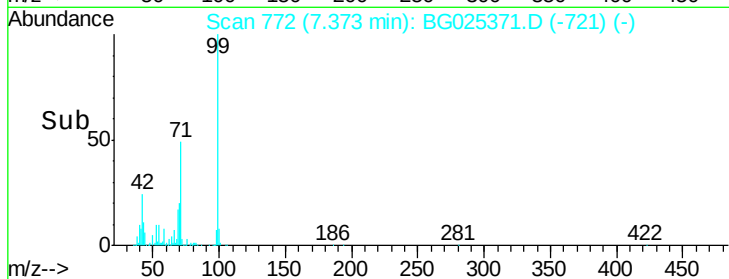
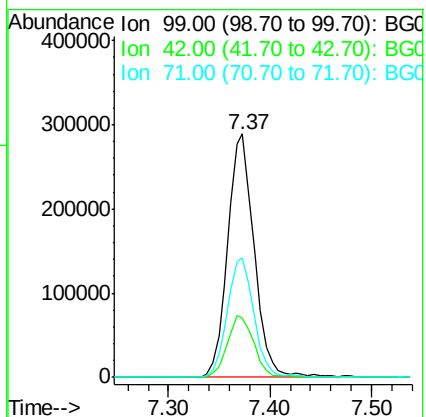
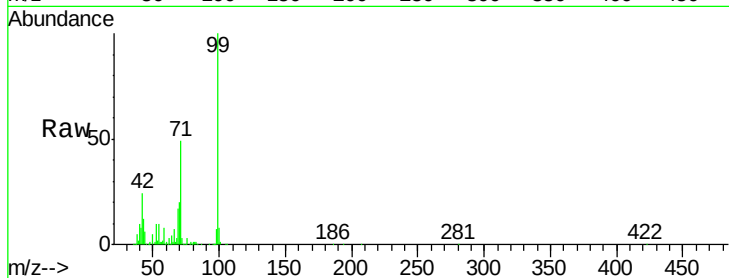
Tgt Ion: 99 Resp: 523741

Ion Ratio Lower Upper

99 100

42 24.2 20.5 30.7

71 49.3 37.6 56.4



#8

2-Chlorophenol

Concen: 1.17 ng

RT: 7.78 min Scan# 841

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

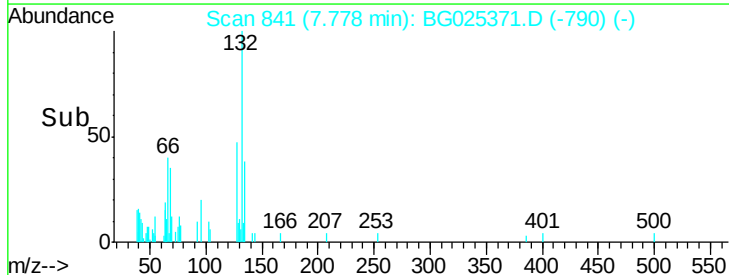
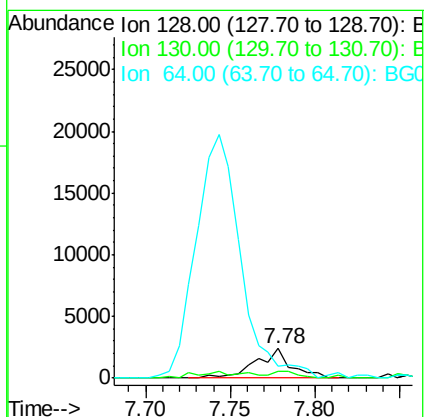
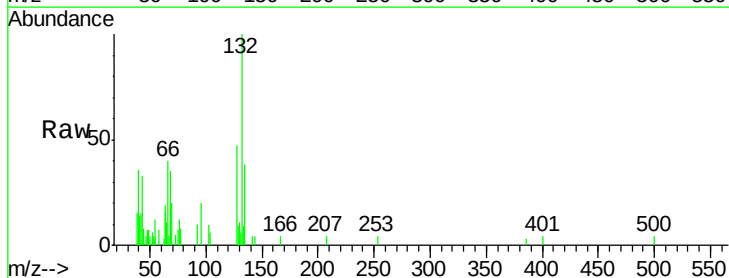
Tgt Ion: 128 Resp: 3477

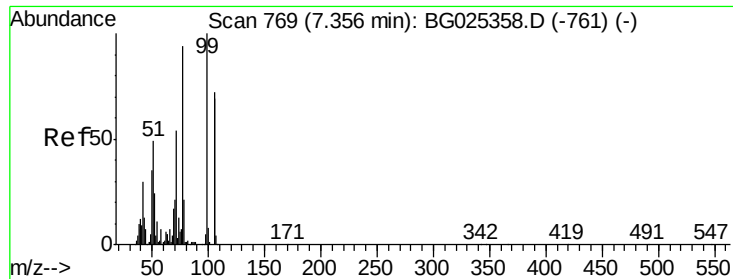
Ion Ratio Lower Upper

128 100

130 23.5 11.4 51.4

64 40.7 46.6 86.6#





#9

Benzaldehyde

Concen: 1.15 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

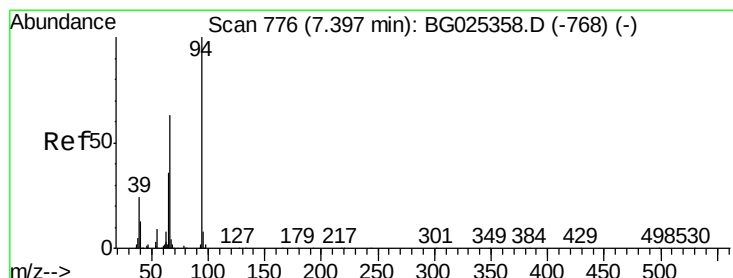
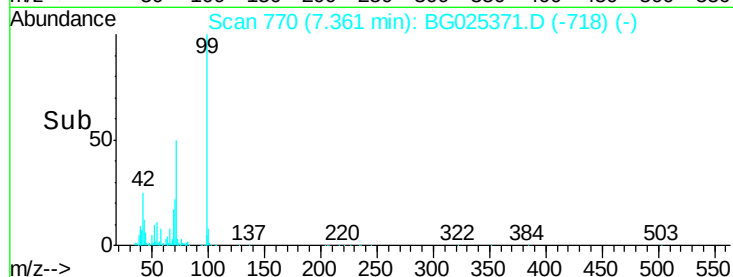
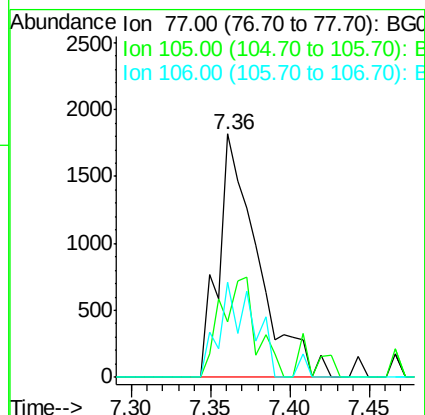
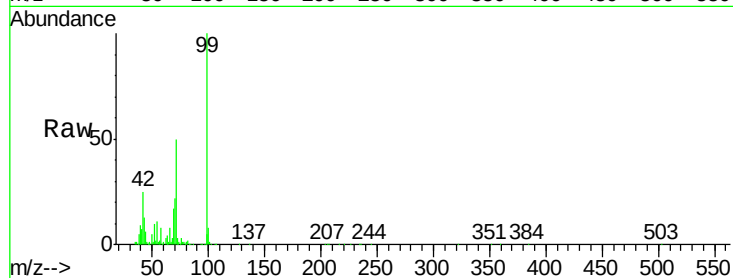
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tgt Ion:	77	Resp:	3124
Ion	Ratio	Lower	Upper
77	100		
105	22.8	60.9	100.9#
106	38.8	55.1	95.1#



#10

Phenol

Concen: 0.07 ng

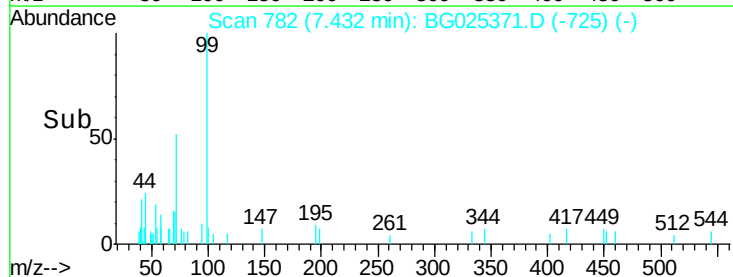
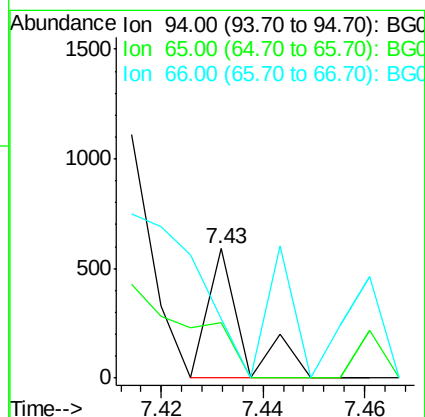
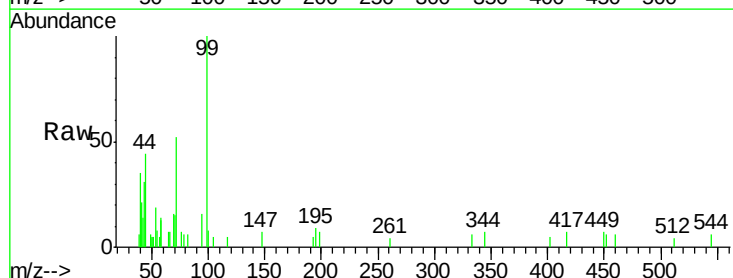
RT: 7.43 min Scan# 782

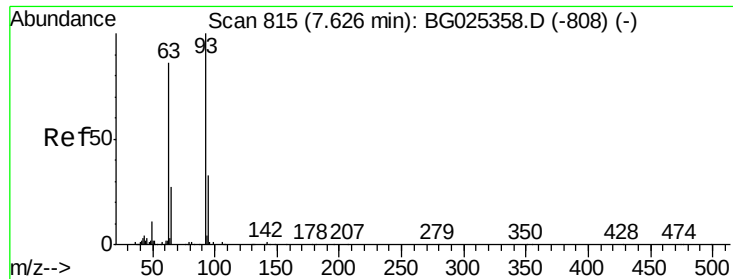
Delta R.T. 0.03 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:	94	Resp:	278
Ion	Ratio	Lower	Upper
94	100		
65	42.7	20.6	60.6
66	45.8	35.5	75.5

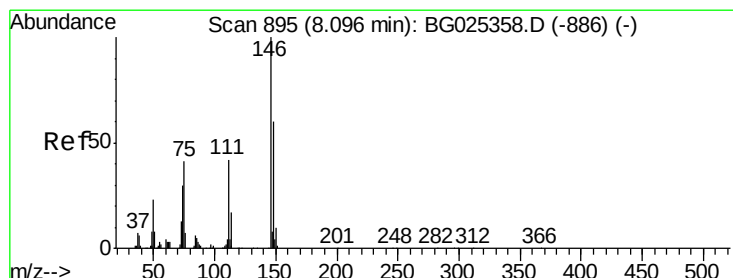
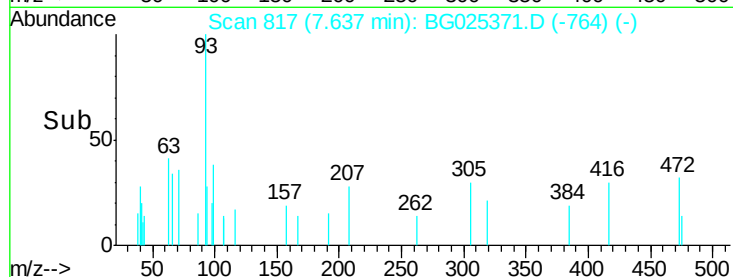
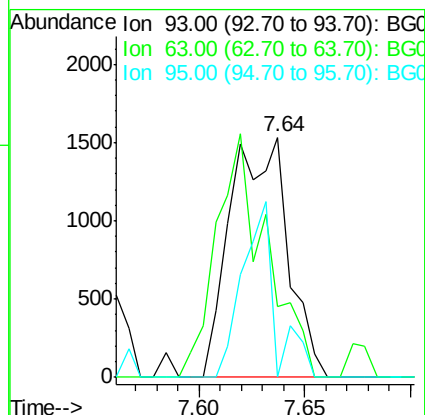
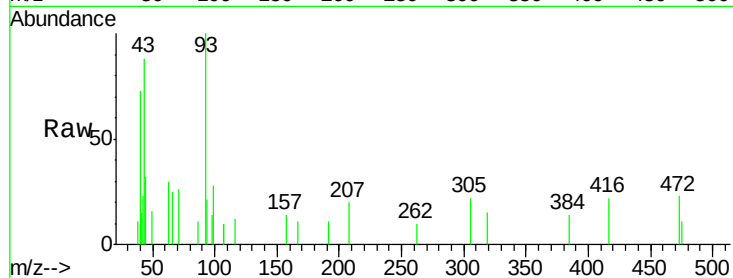




#11
bis(2-Chloroethyl)ether
Concen: 0.92 ng
RT: 7.64 min Scan# 817
Delta R.T. 0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

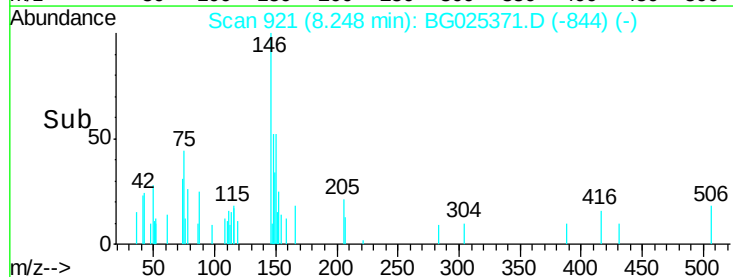
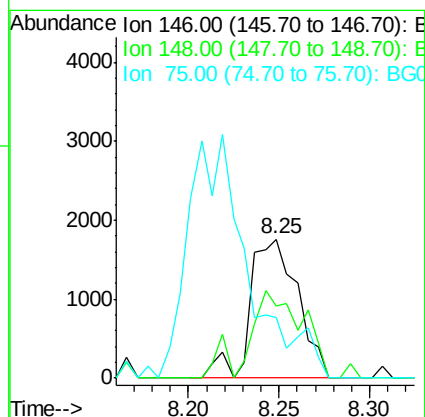
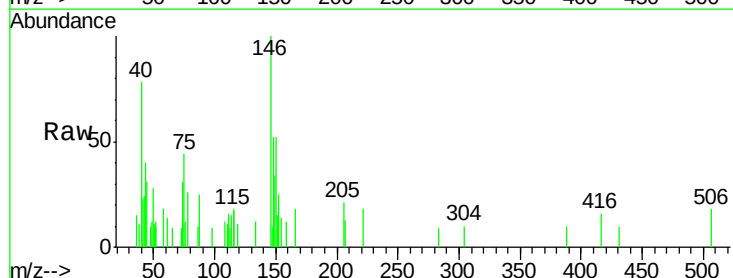
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

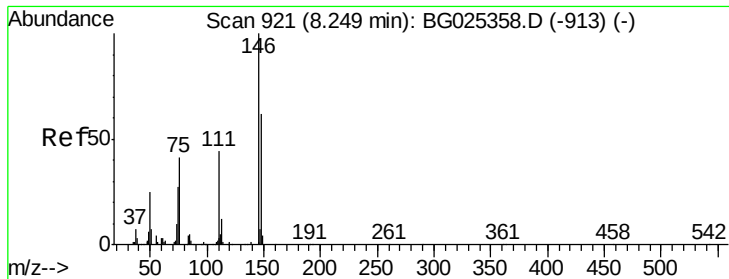
Tgt Ion: 93 Resp: 2900
Ion Ratio Lower Upper
93 100
63 29.6 78.5 118.5#
95 0.0 9.8 49.8#



#12
1,3-Dichlorobenzene
Concen: 0.89 ng
RT: 8.25 min Scan# 921
Delta R.T. 0.15 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion: 146 Resp: 3205
Ion Ratio Lower Upper
146 100
148 52.1 49.2 73.8
75 44.0 33.4 50.2

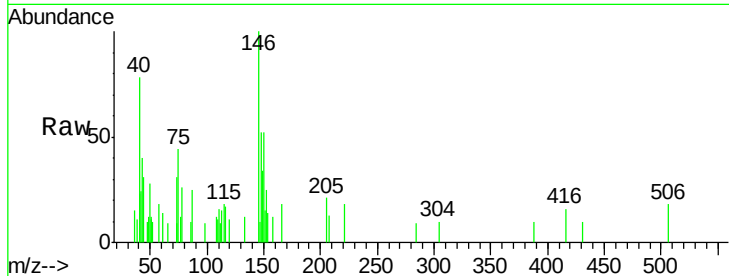




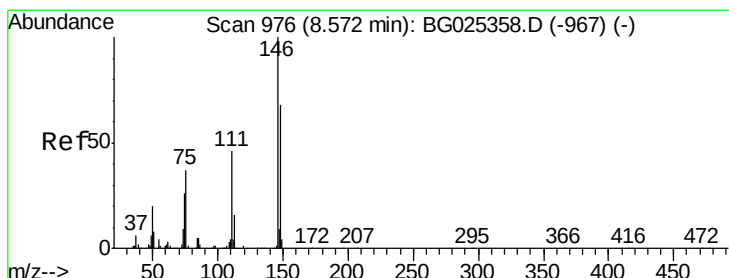
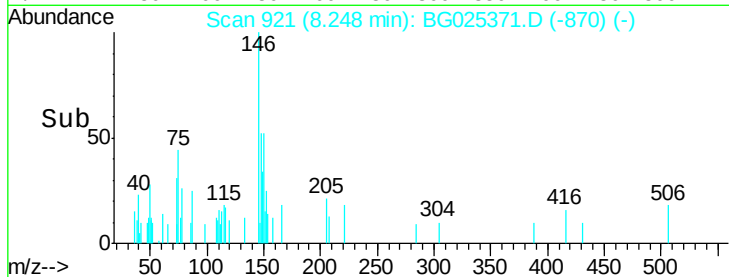
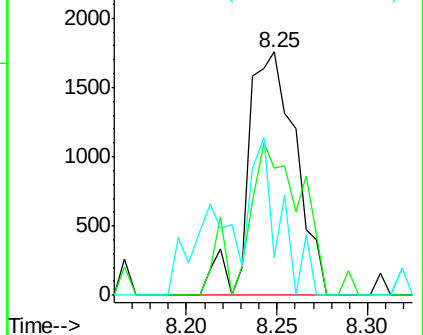
#13
 1,4-Dichlorobenzene
 Concen: 0.86 ng
 RT: 8.25 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Tgt Ion:146 Resp: 3205
 Ion Ratio Lower Upper
 146 100
 148 52.1 52.2 78.2#
 111 15.5 37.0 55.6#

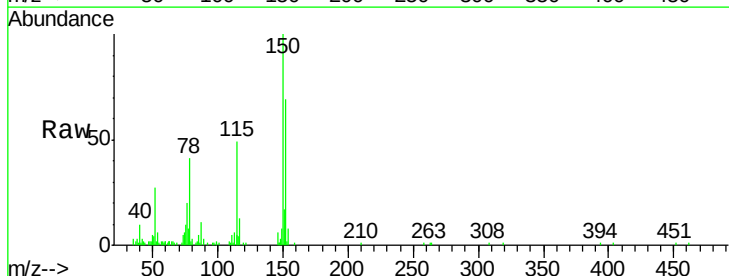


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

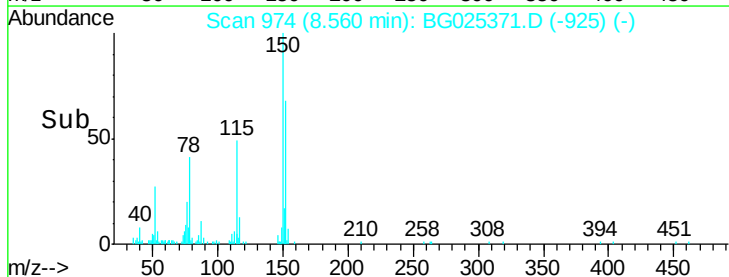
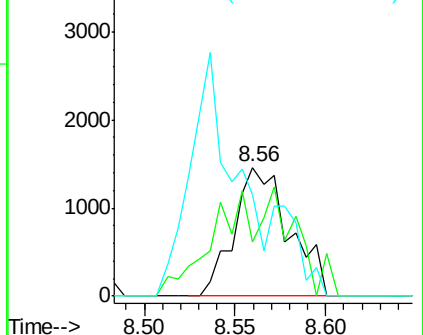


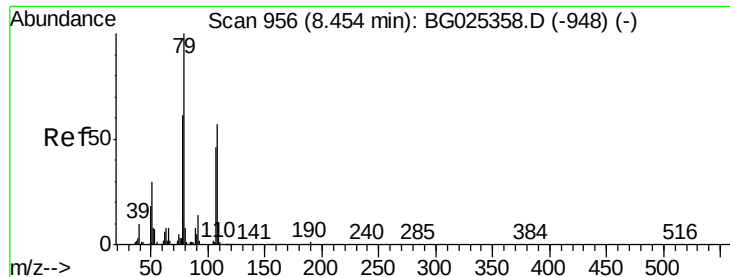
#14
 1,2-Dichlorobenzene
 Concen: 0.87 ng
 RT: 8.56 min Scan# 974
 Delta R.T. -0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

Tgt Ion:146 Resp: 3110
 Ion Ratio Lower Upper
 146 100
 148 42.0 54.6 81.8#
 111 78.9 39.7 59.5#



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





#15

Benzyl Alcohol

Concen: 0.21 ng

RT: 8.67 min Scan# 992

Delta R.T. 0.21 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

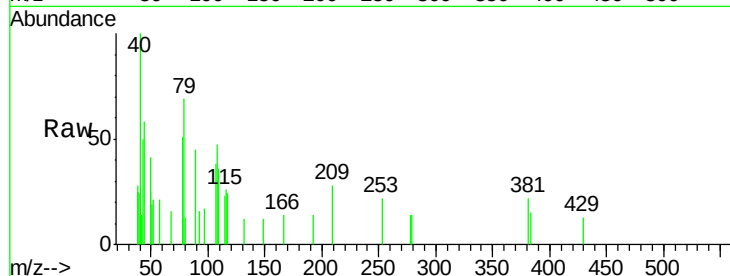
Tgt Ion: 79 Resp: 741

Ion Ratio Lower Upper

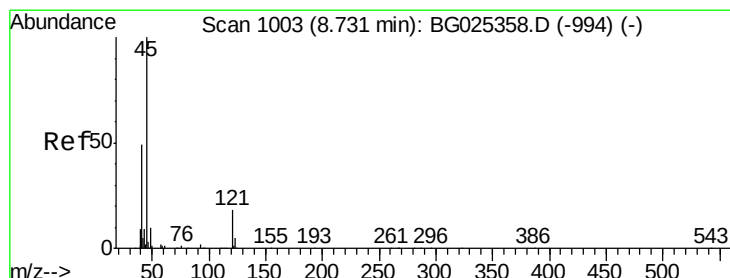
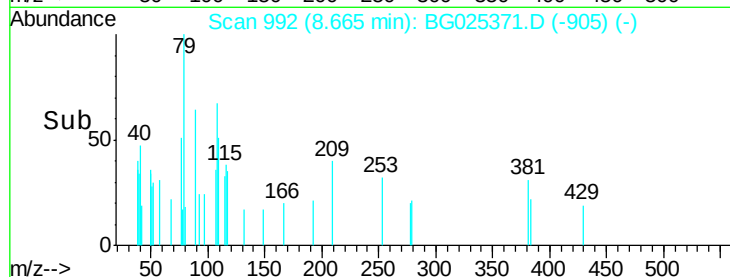
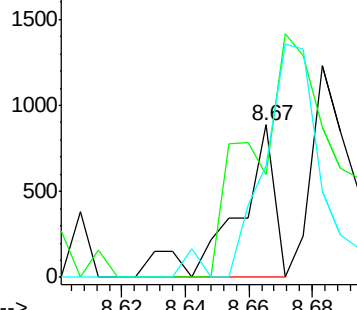
79 100

108 67.1 45.5 68.3

77 73.5 54.3 81.5



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.65 ng

RT: 8.75 min Scan# 1006

Delta R.T. 0.02 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

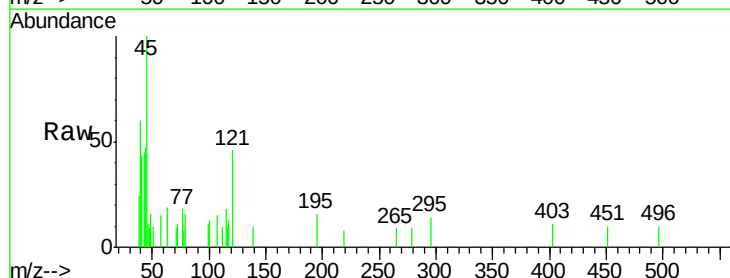
Tgt Ion: 45 Resp: 3792

Ion Ratio Lower Upper

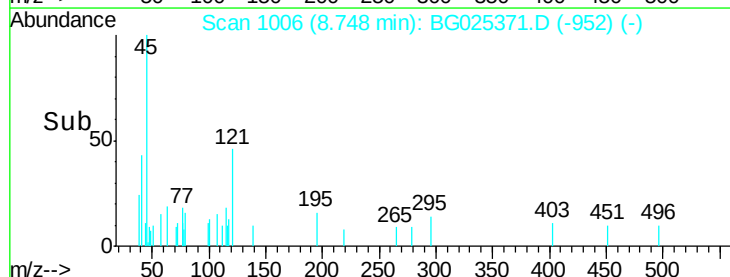
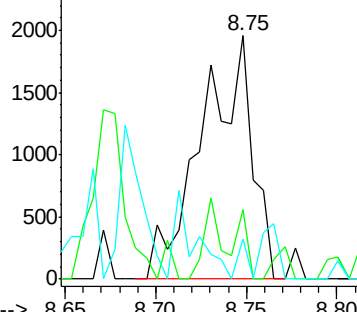
45 100

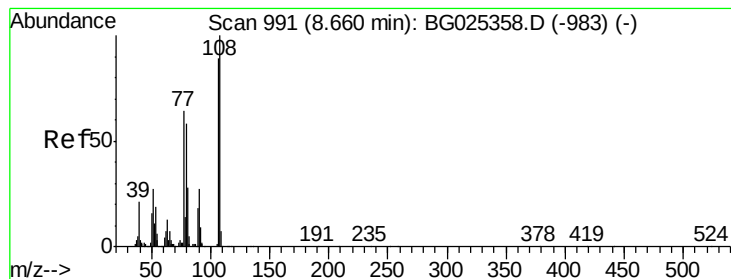
77 28.4 0.0 30.6

79 16.5 0.0 28.5



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





#17

2-Methylphenol

Concen: 0.91 ng

RT: 8.68 min Scan# 995

Delta R.T. 0.02 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tgt Ion:107 Resp: 2467

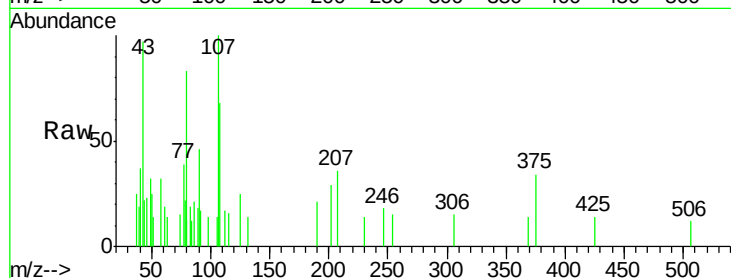
Ion Ratio Lower Upper

107 100

108 67.8 85.6 128.4#

77 38.8 51.4 77.2#

79 95.6 49.2 73.8#



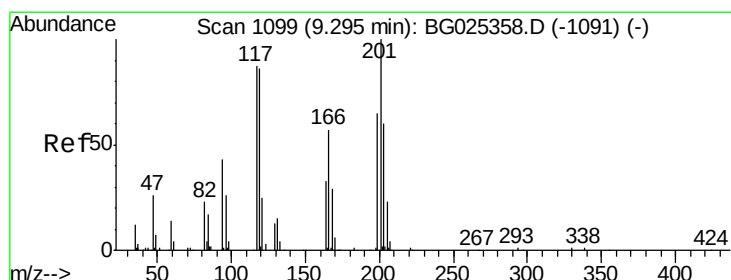
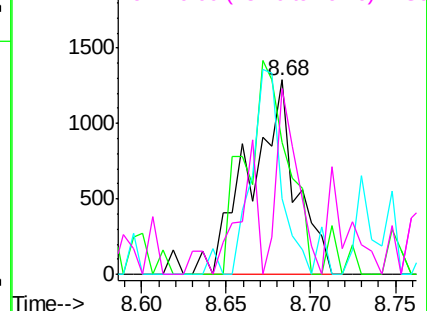
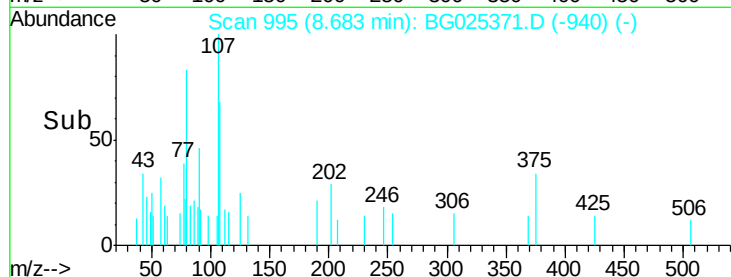
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18

Hexachloroethane

Concen: 0.57 ng

RT: 9.29 min Scan# 1099

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

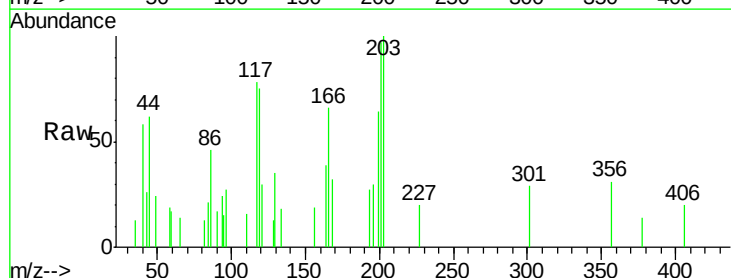
Tgt Ion:117 Resp: 810

Ion Ratio Lower Upper

117 100

119 96.3 69.8 104.6

201 124.5 95.4 143.0

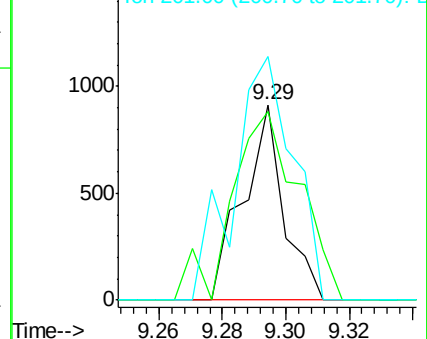
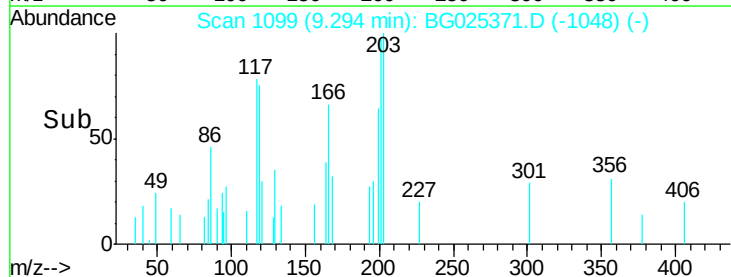


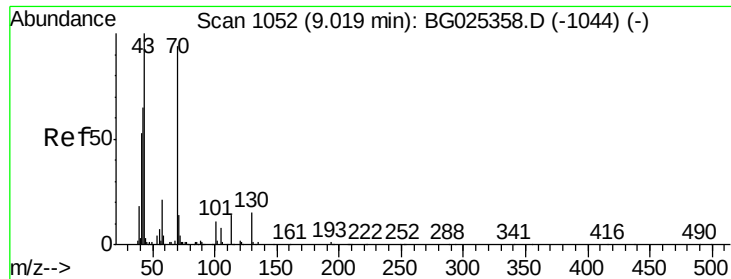
Abundance

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

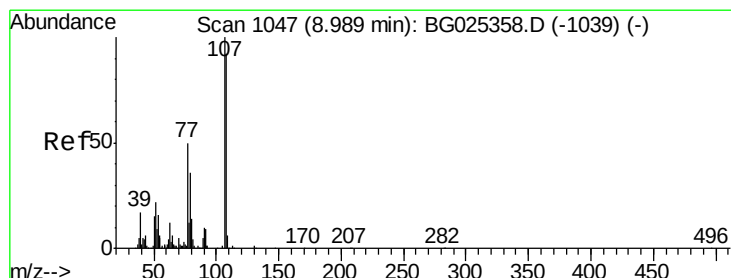
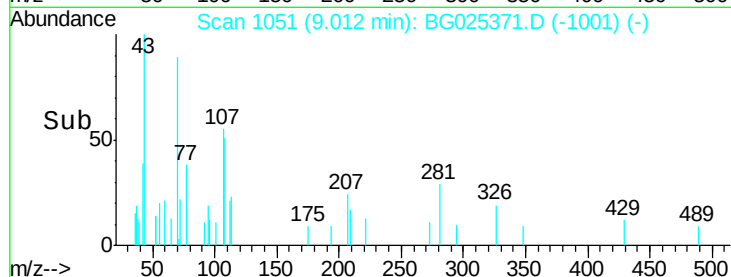
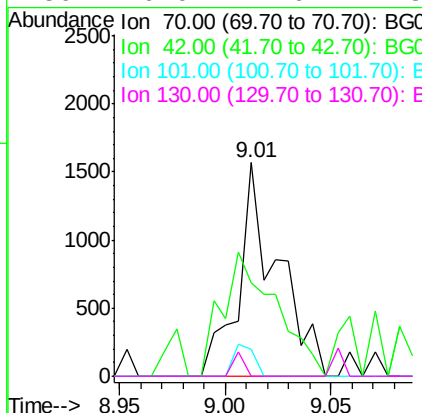
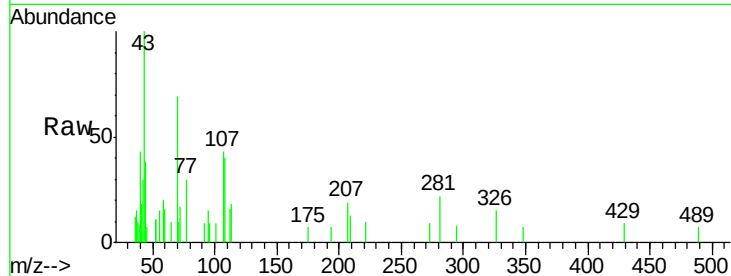




#19
n-Nitroso-di-n-propylamine
Concen: 0.64 ng
RT: 9.01 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

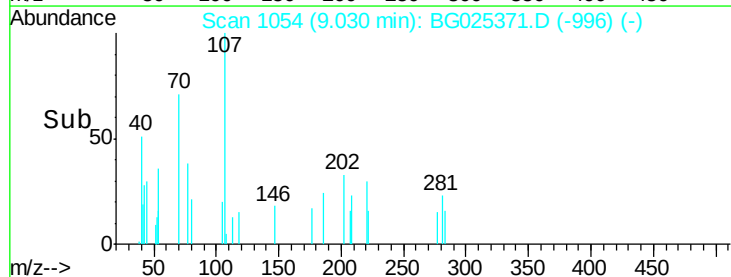
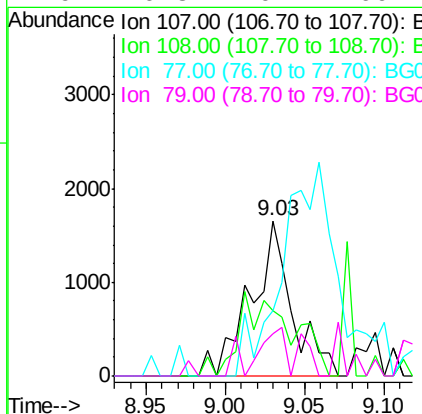
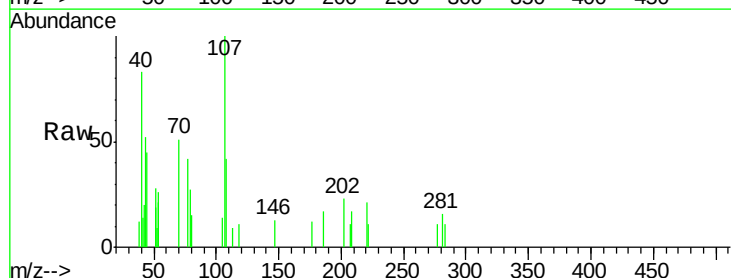
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

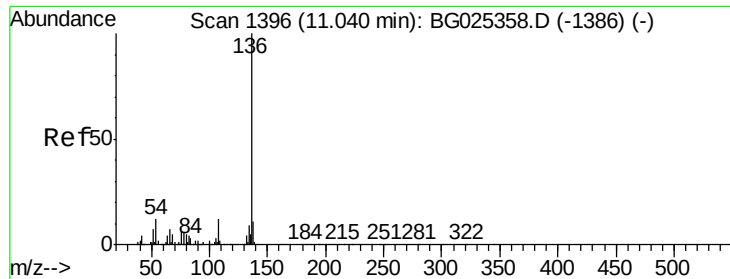
Tgt Ion:	70	Resp:	2002
Ion	Ratio	Lower	Upper
70	100		
42	43.7	56.1	84.1#
101	12.4	7.5	11.3#
130	0.0	14.6	21.8#



#20
3+4-Methylphenols
Concen: 0.81 ng
RT: 9.03 min Scan# 1054
Delta R.T. 0.04 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion:	107	Resp:	3031
Ion	Ratio	Lower	Upper
107	100		
108	41.9	70.8	110.8#
77	42.3	25.8	65.8
79	26.8	20.1	60.1

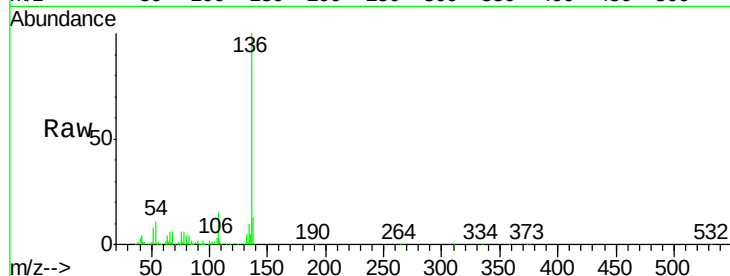




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.04 min Scan# 1396
Delta R.T. -0.00 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:	136	Resp:	195304
Ion	Ratio	Lower	Upper
136	100		
137	13.1	8.9	13.3
54	10.5	9.3	13.9
68	5.9	5.1	7.7



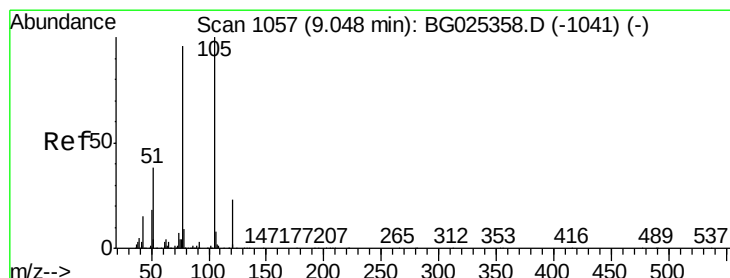
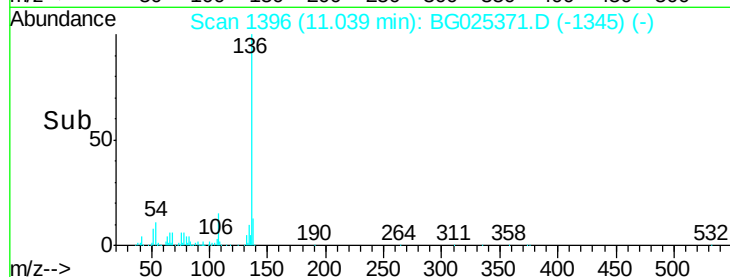
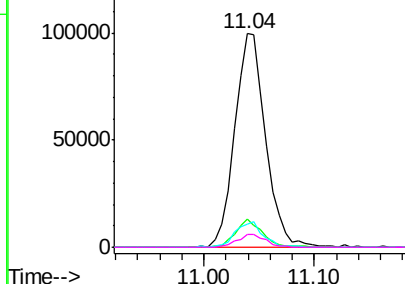
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

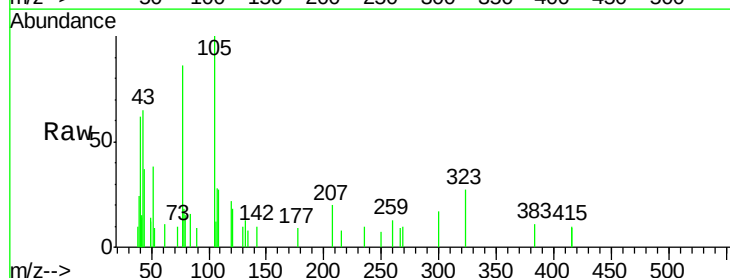
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 0.76 ng
RT: 9.05 min Scan# 1058
Delta R.T. 0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion:	105	Resp:	4104
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.9	1.3#
51	37.8	34.0	51.0
120	40.1	17.3	25.9#



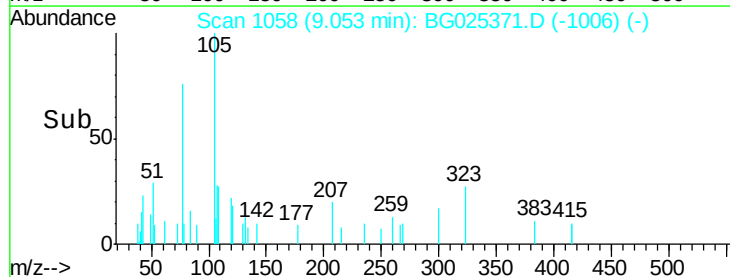
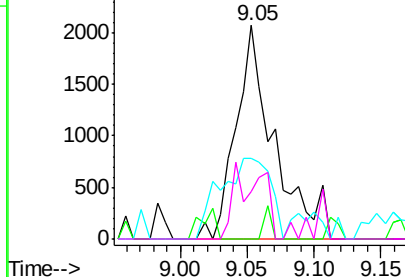
Abundance

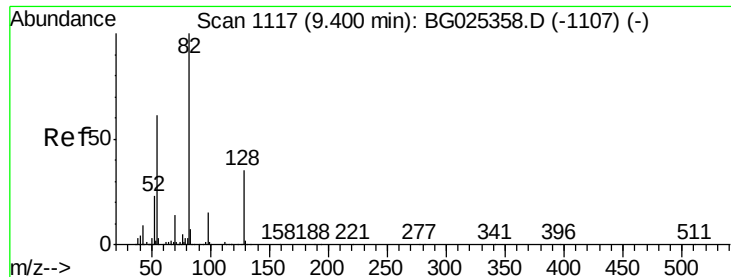
Ion 105.00 (104.70 to 105.70): E

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

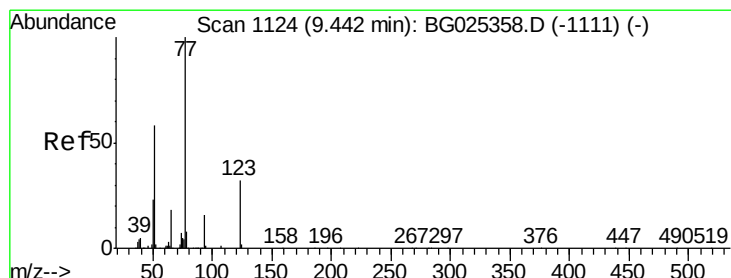
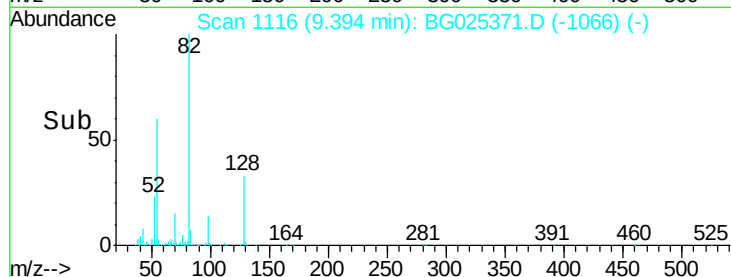
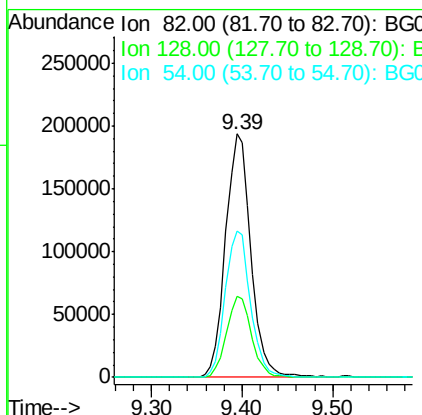
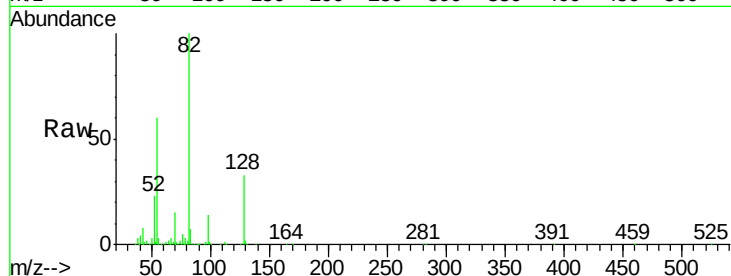




#23
 Nitrobenzene-d5
 Concen: 85.22 ng
 RT: 9.39 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

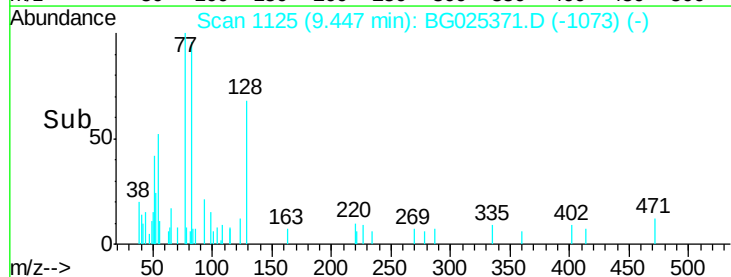
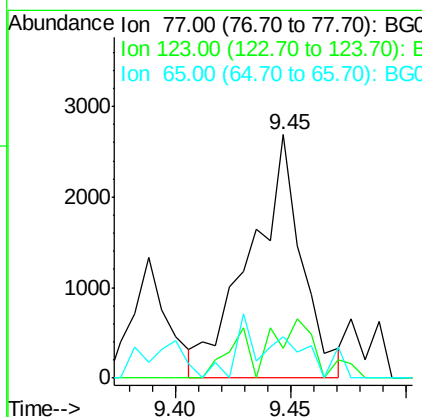
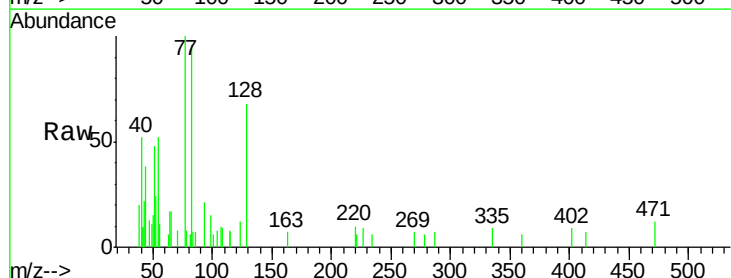
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

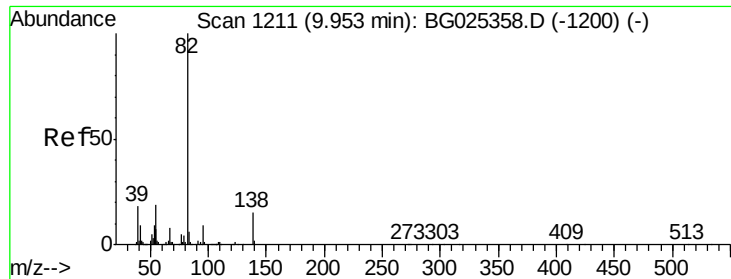
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.3	26.4	39.6
54	60.3	49.4	74.2



#24
 Nitrobenzene
 Concen: 0.86 ng
 RT: 9.45 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
77	100		
123	12.2	26.1	39.1#
65	16.9	12.4	18.6





#25

Isophorone

Concen: 0.79 ng

RT: 9.96 min Scan# 1213

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

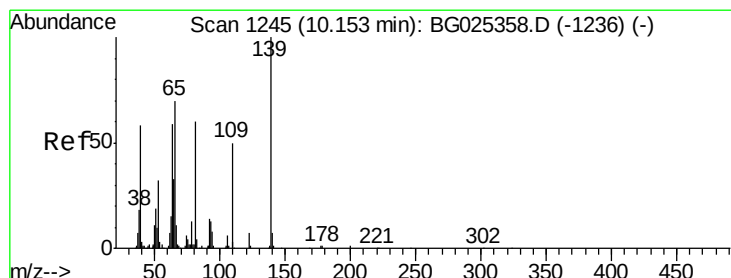
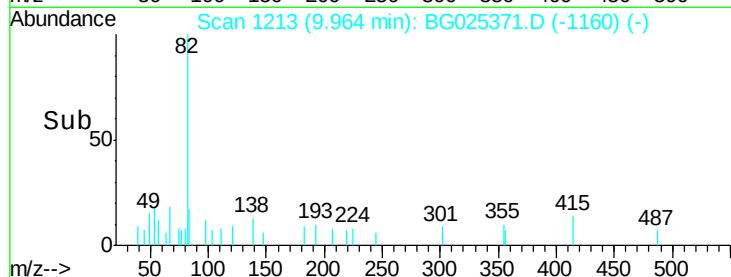
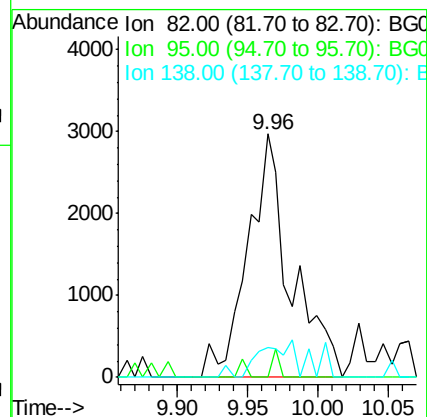
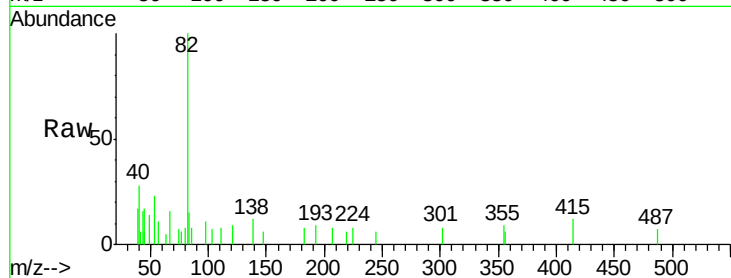
Tgt Ion: 82 Resp: 6300

Ion Ratio Lower Upper

82 100

95 0.0 7.5 11.3#

138 12.3 12.3 18.5



#26

2-Nitrophenol

Concen: 0.40 ng

RT: 10.17 min Scan# 1248

Delta R.T. 0.02 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

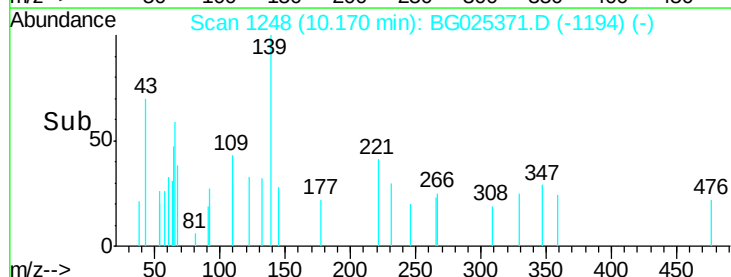
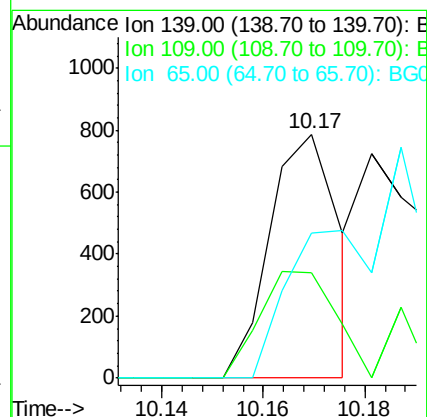
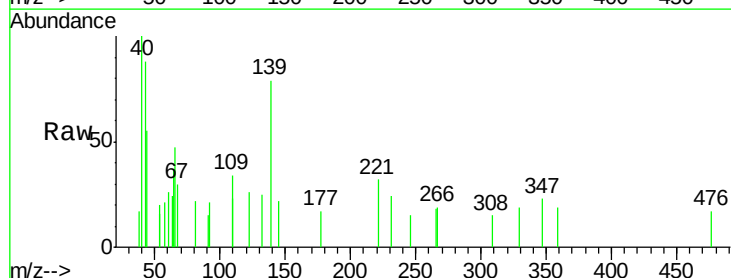
Tgt Ion: 139 Resp: 745

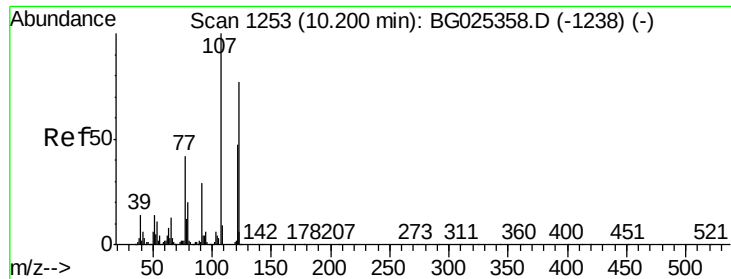
Ion Ratio Lower Upper

139 100

109 43.3 38.6 58.0

65 59.3 57.1 85.7

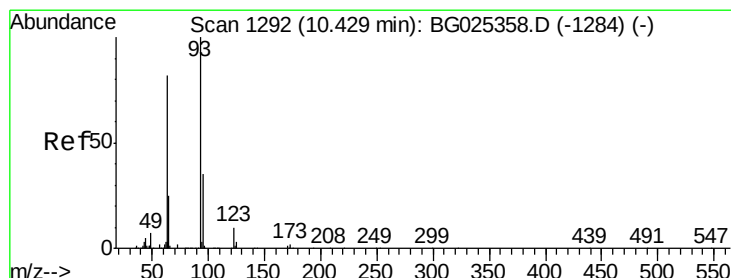
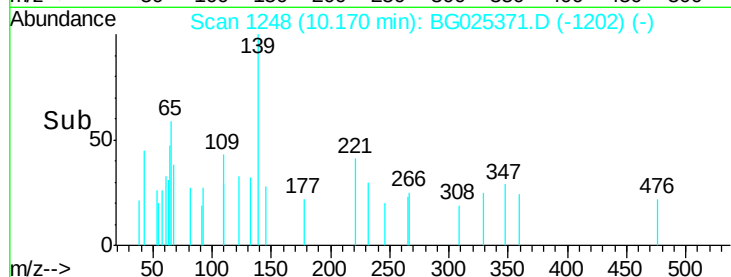
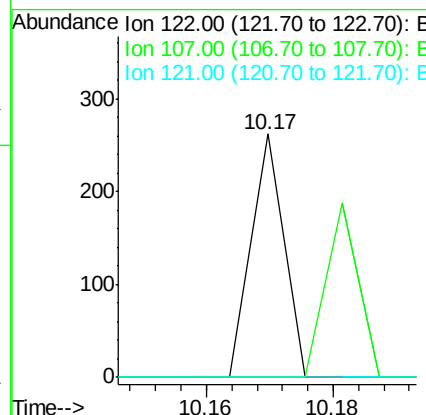
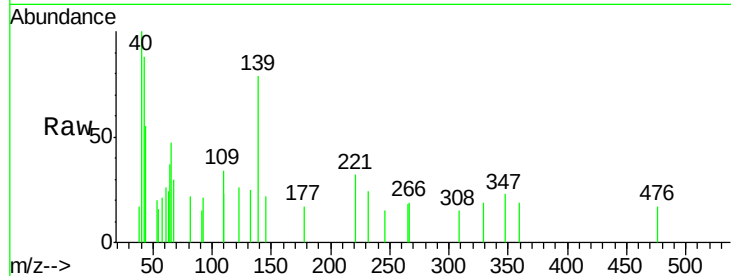




#27
 2,4-Dimethylphenol
 Concen: 0.03 ng
 RT: 10.17 min Scan# 1248
 Delta R.T. -0.03 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

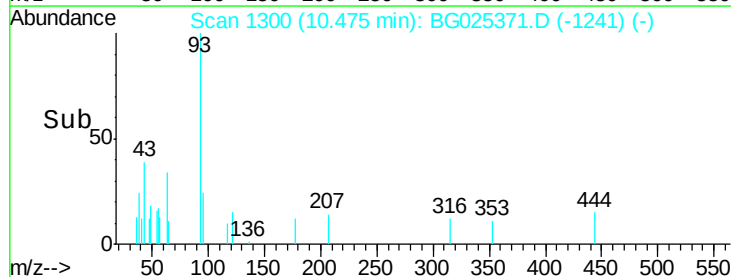
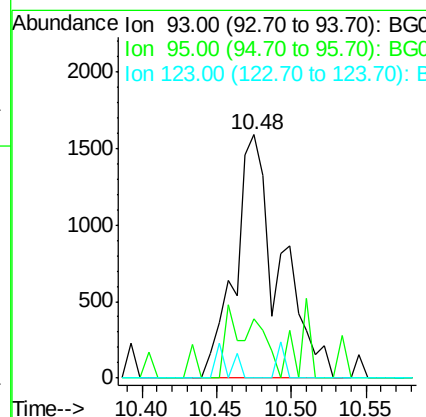
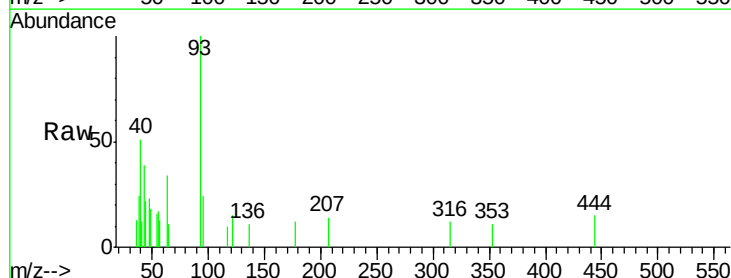
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

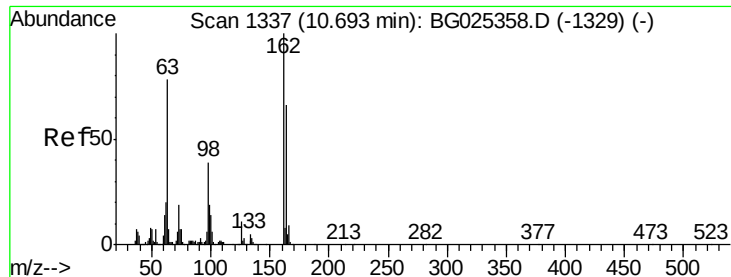
Tgt Ion	Ratio	Lower	Upper
122	100		
107	0.0	104.2	156.4#
121	0.0	46.0	69.0#



#28
 bis(2-Chloroethoxy)methane
 Concen: 0.79 ng
 RT: 10.48 min Scan# 1300
 Delta R.T. 0.05 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	24.2	25.7	38.5#
123	0.0	8.3	12.5#

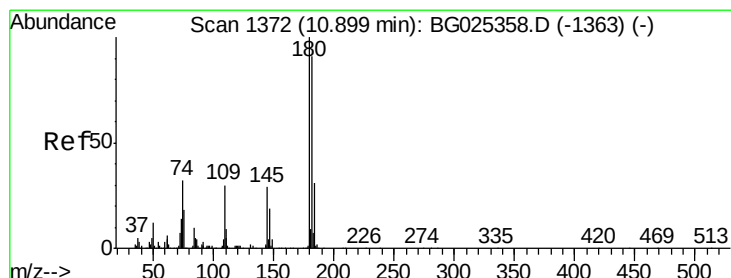
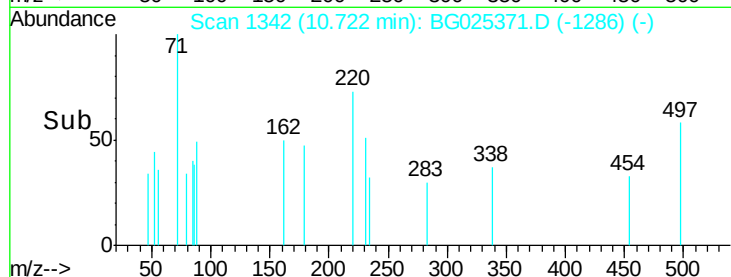
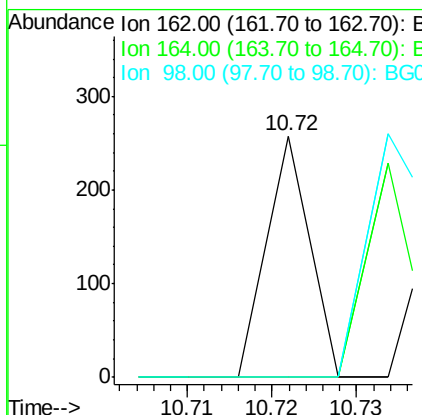
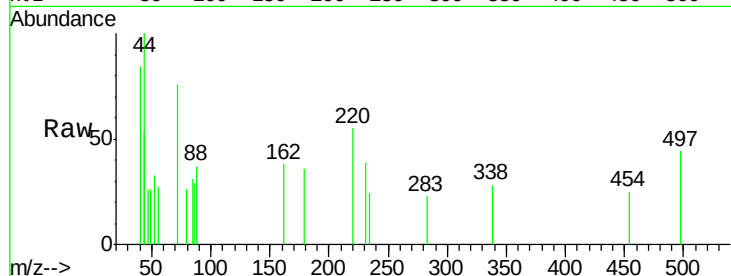




#29
2,4-Dichlorophenol
Concen: 0.03 ng
RT: 10.72 min Scan# 1342
Delta R.T. 0.03 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

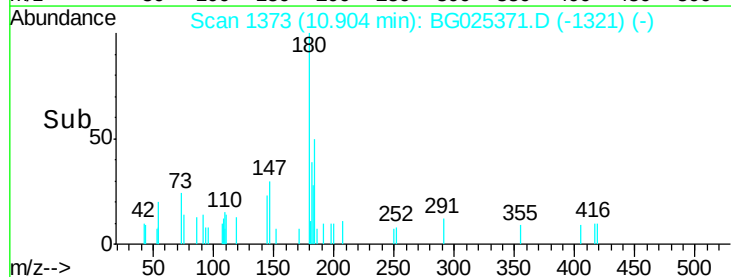
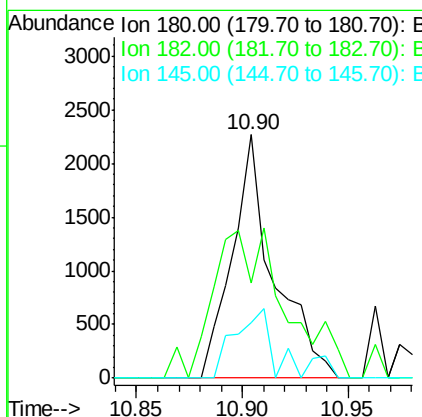
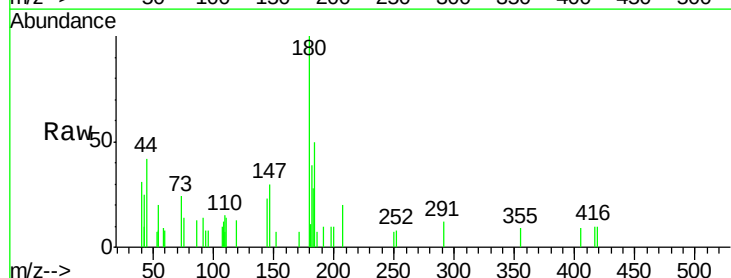
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

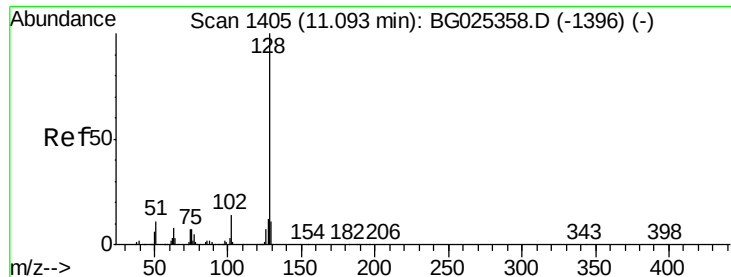
Tgt Ion	Ratio	Lower	Upper
162	100		
164	0.0	42.4	82.4#
98	0.0	20.3	60.3#



#30
1,2,4-Trichlorobenzene
Concen: 0.79 ng
RT: 10.90 min Scan# 1373
Delta R.T. 0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	39.0	77.0	115.4#
145	22.8	23.4	35.0#





#31

Naphthalene

Concen: 0.79 ng

RT: 11.10 min Scan# 1406

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

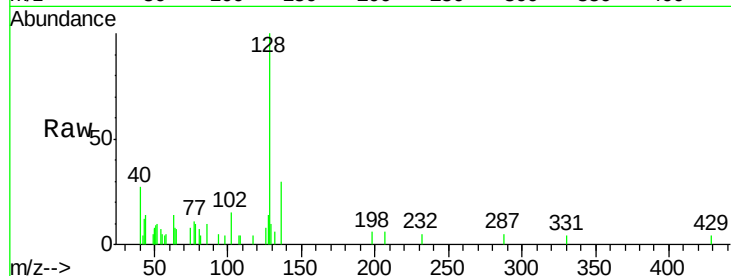
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

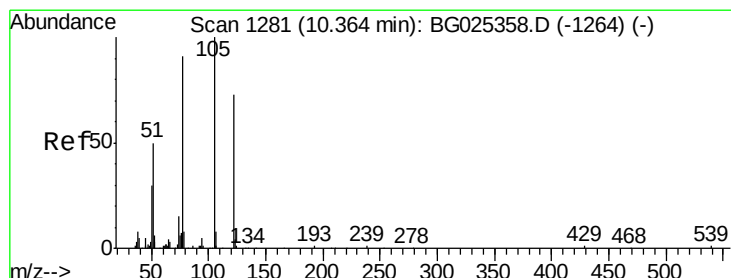
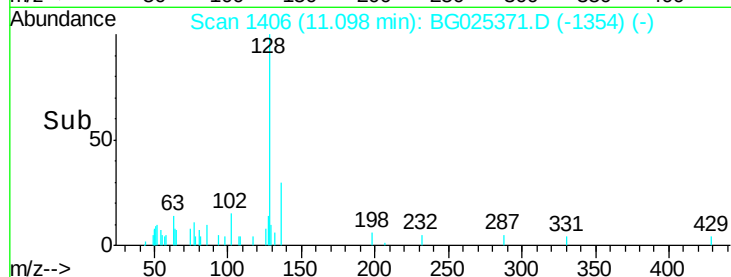
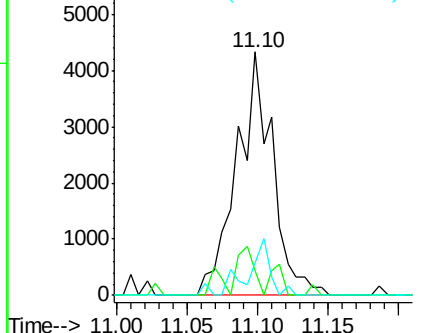
Tgt Ion:	128	Resp:	7697
Ion	Ratio	Lower	Upper
128	100		
129	10.2	9.3	13.9
127	13.6	11.4	17.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 0.12 ng

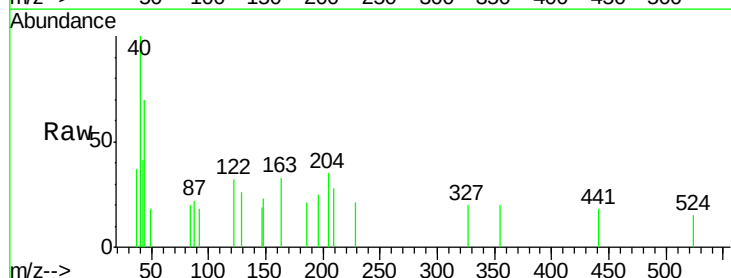
RT: 10.38 min Scan# 1283

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

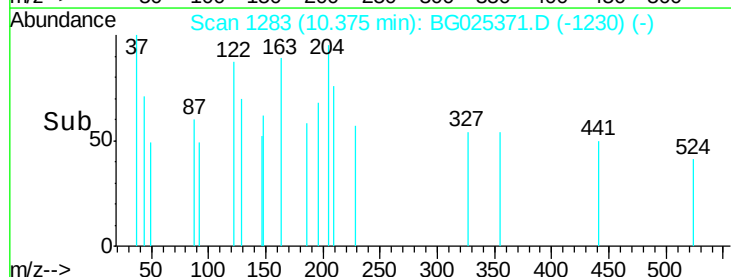
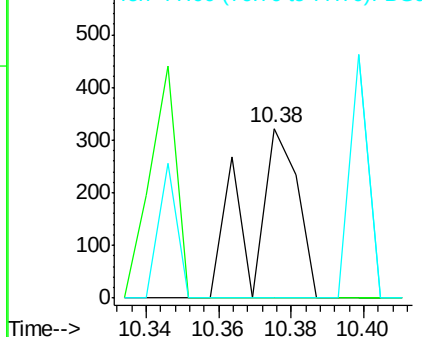
Tgt Ion:	122	Resp:	290
Ion	Ratio	Lower	Upper
122	100		
105	0.0	120.1	160.1#
77	0.0	104.6	144.6#

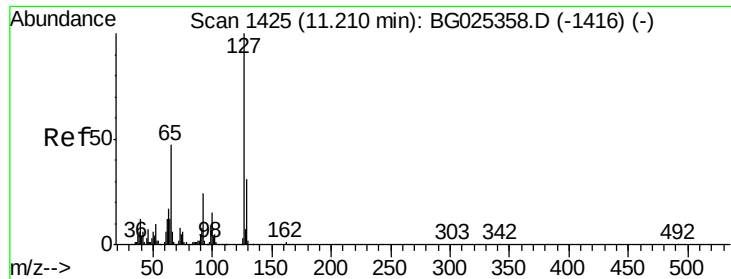


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

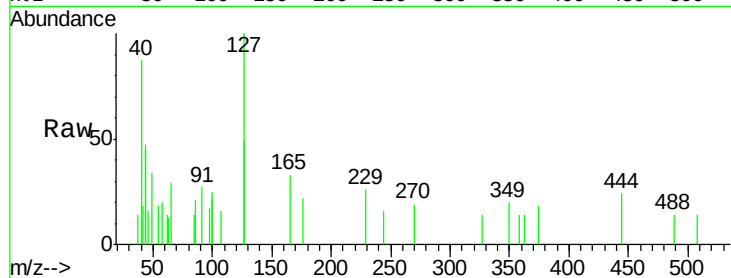




#33
4-Chloroaniline
Concen: 0.49 ng
RT: 11.26 min Scan# 1434
Delta R.T. 0.05 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

Tgt Ion:	127	Resp:	1999
Ion	Ratio	Lower	Upper
127	100		
129	0.0	23.6	35.4#
65	19.4	37.7	56.5#
92	0.0	17.6	26.4#



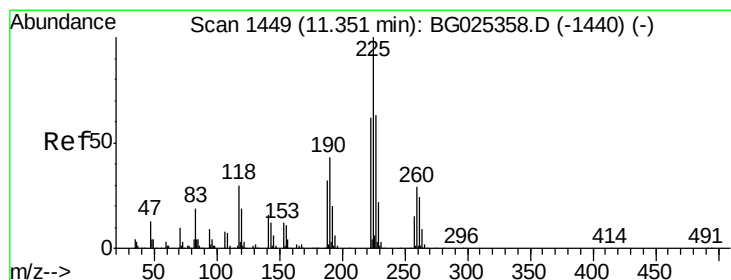
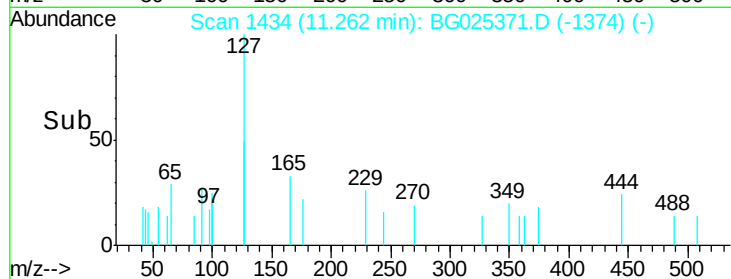
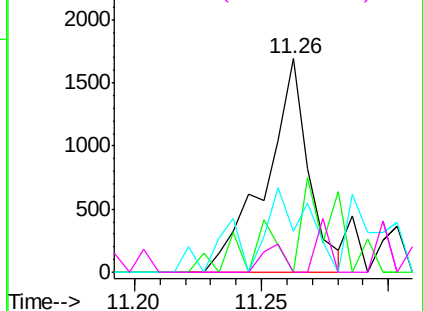
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

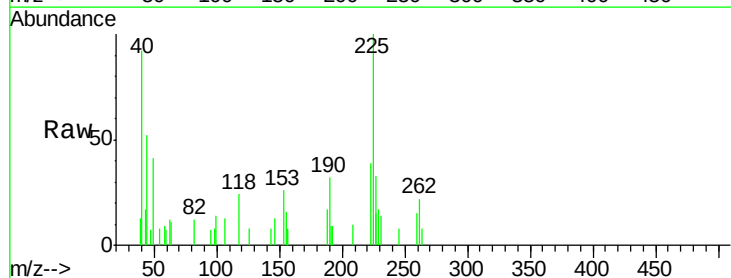
Ion 65.00 (64.70 to 65.70): BG

Ion 92.00 (91.70 to 92.70): BG



#34
Hexachlorobutadiene
Concen: 0.90 ng
RT: 11.35 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion:	225	Resp:	2886
Ion	Ratio	Lower	Upper
225	100		
223	39.2	50.7	76.1#
227	47.9	49.0	73.6#

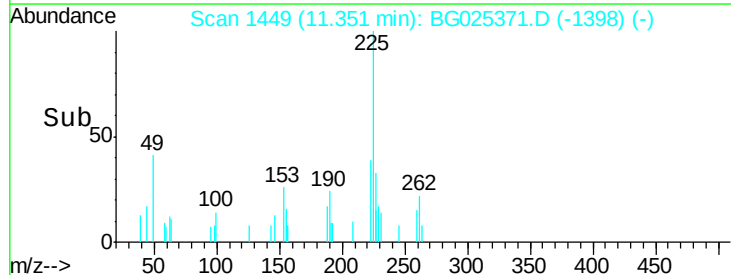
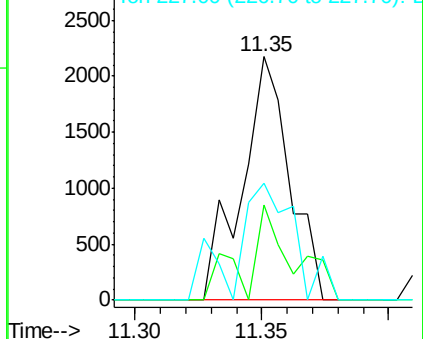


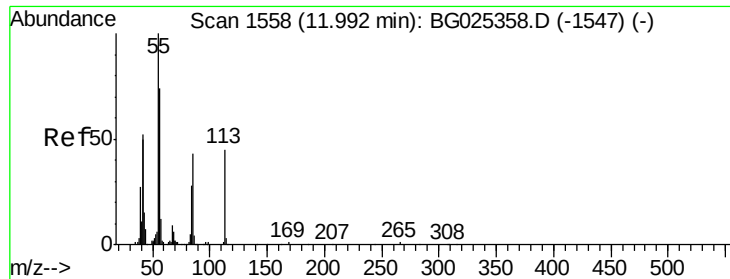
Abundance

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: 0.06 ng

RT: 11.99 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

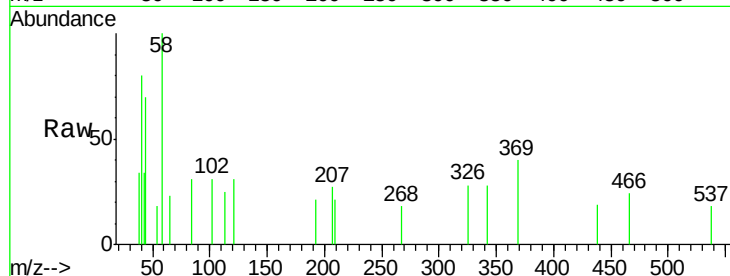
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

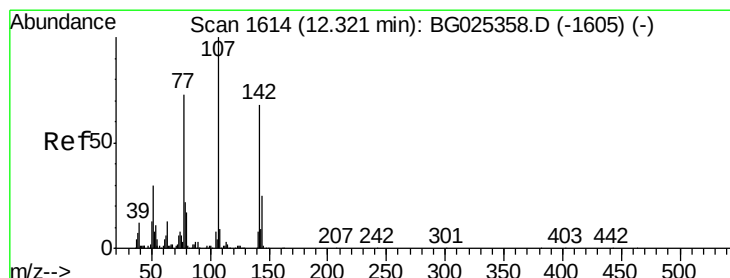
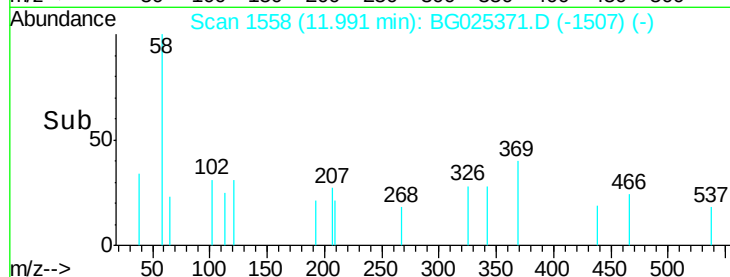
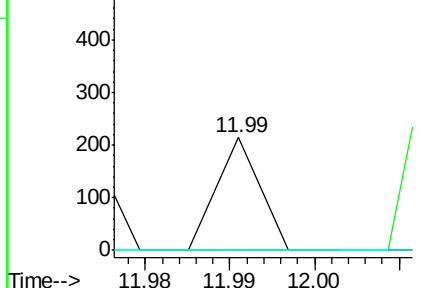
Tgt Ion:	113	Resp:	75
Ion	Ratio	Lower	Upper
113	100		
55	0.0	198.6	238.6#
56	0.0	140.4	180.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 0.58 ng

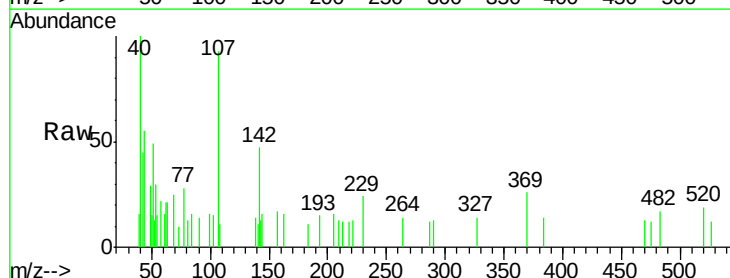
RT: 12.37 min Scan# 1622

Delta R.T. 0.05 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

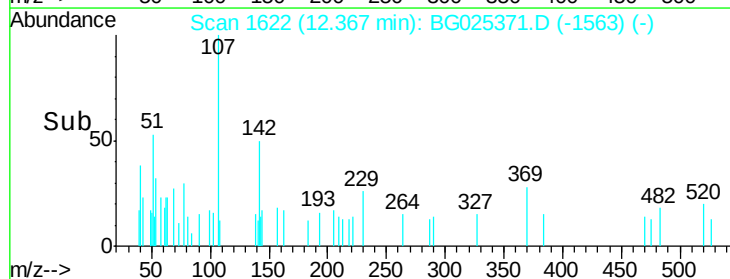
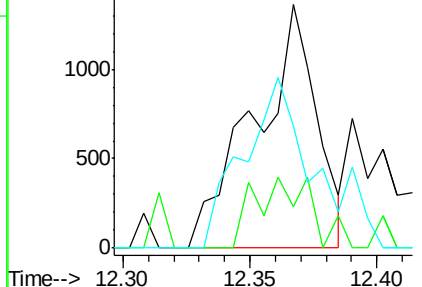
Tgt Ion:	107	Resp:	2341
Ion	Ratio	Lower	Upper
107	100		
144	16.8	17.4	26.0#
142	50.0	54.1	81.1#

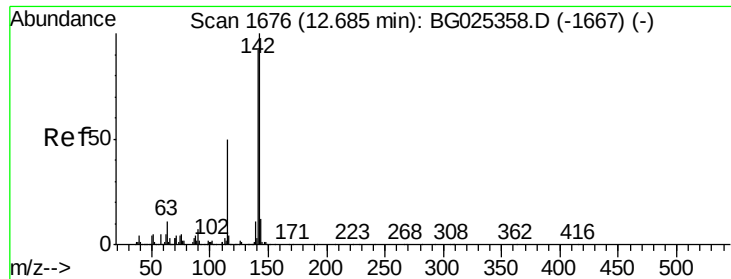


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

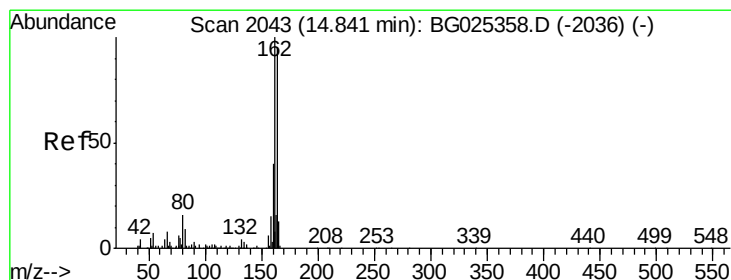
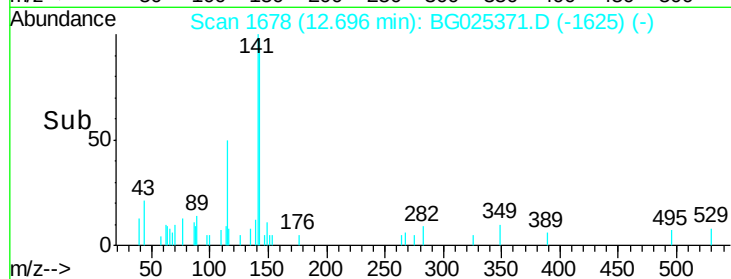
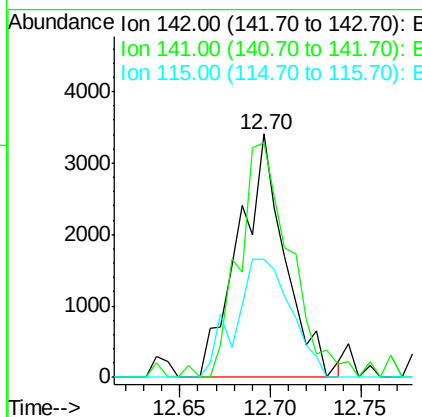
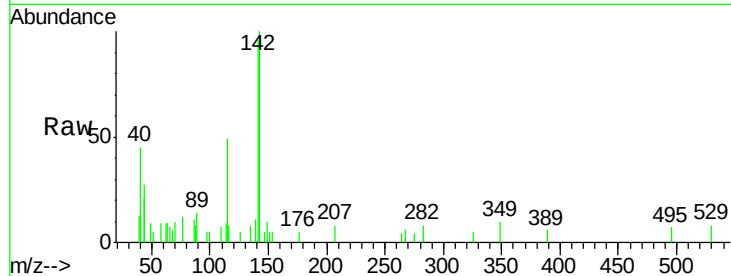




#37
 2-Methylnaphthalene
 Concen: 0.84 ng
 RT: 12.70 min Scan# 1678
 Delta R.T. 0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

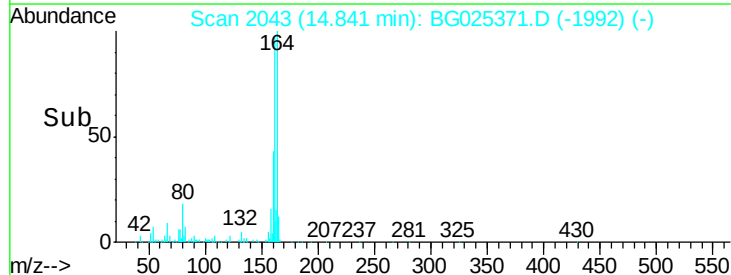
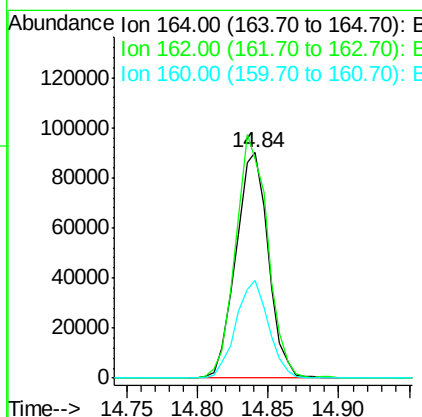
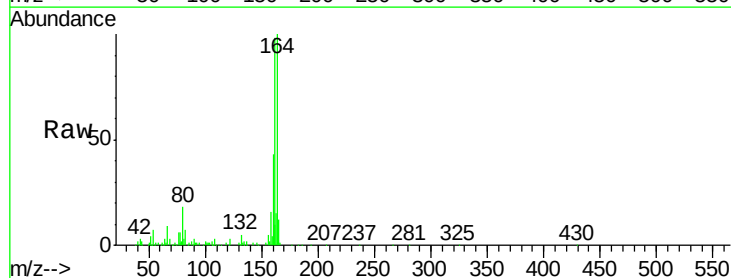
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

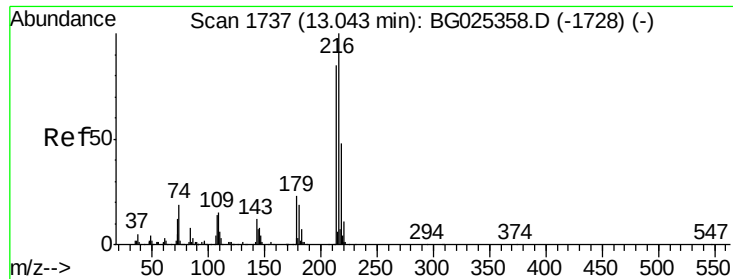
Tgt Ion:142 Resp: 6067
 Ion Ratio Lower Upper
 142 100
 141 96.3 70.4 105.6
 115 48.6 35.5 53.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.84 min Scan# 2043
 Delta R.T. -0.00 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

Tgt Ion:164 Resp: 144682
 Ion Ratio Lower Upper
 164 100
 162 97.6 85.1 127.7
 160 43.1 34.7 52.1





#39

1,2,4,5-Tetrachlorobenzene

Concen: 0.98 ng

RT: 13.05 min Scan# 1739

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

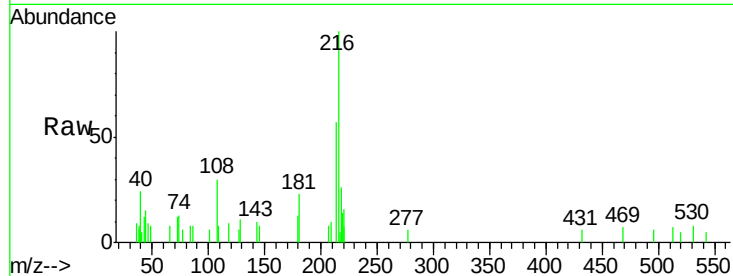
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tgt Ion:	216	Resp:	4667
Ion	Ratio	Lower	Upper
216	100		
214	76.1	64.4	96.6
179	19.4	17.4	26.0
108	14.2	15.6	23.4#

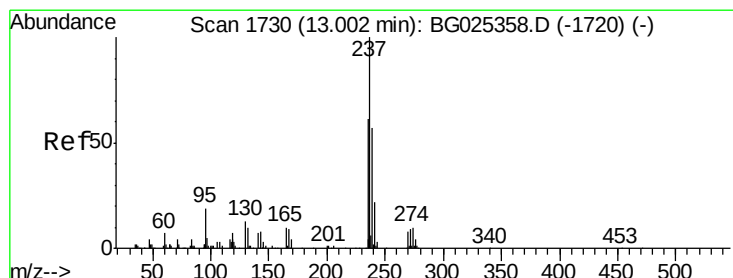
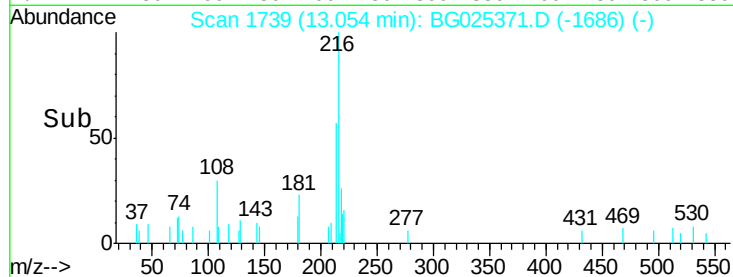
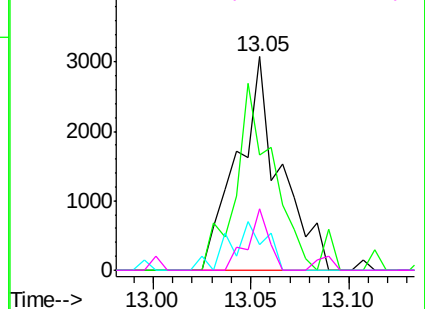


Abundance Ion 216.00 (215.70 to 216.70): E

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: 8.55 ng

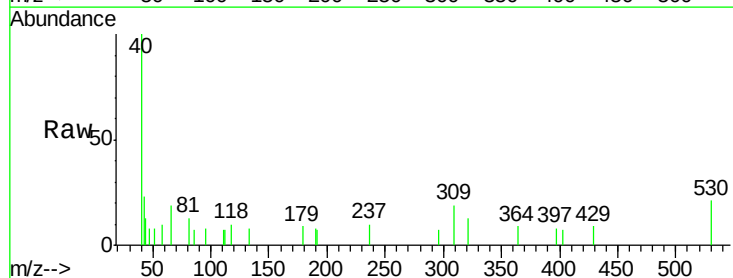
RT: 13.03 min Scan# 1734

Delta R.T. 0.02 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

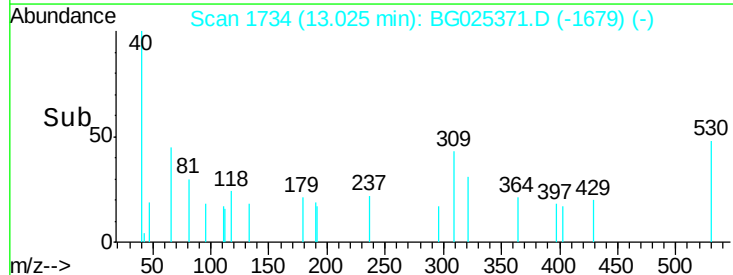
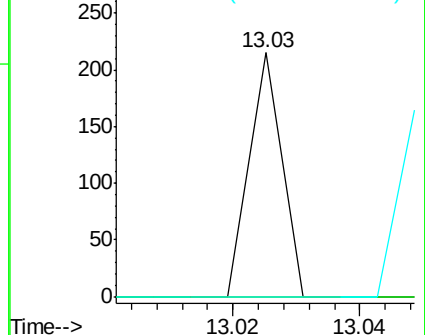
Tgt Ion:	237	Resp:	76
Ion	Ratio	Lower	Upper
237	100		
235	0.0	39.4	79.4#
272	0.0	0.0	32.0

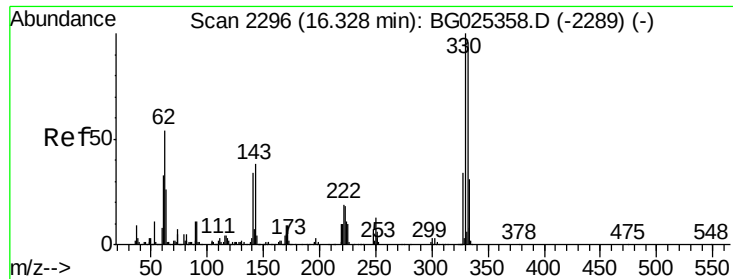


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

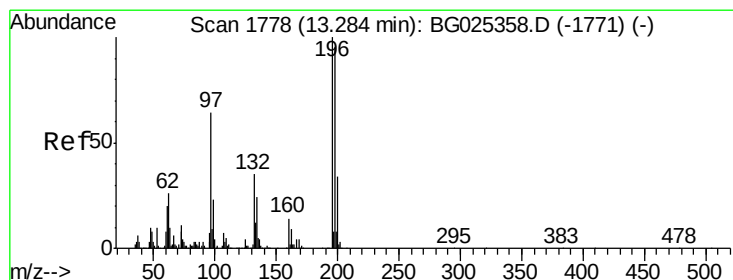
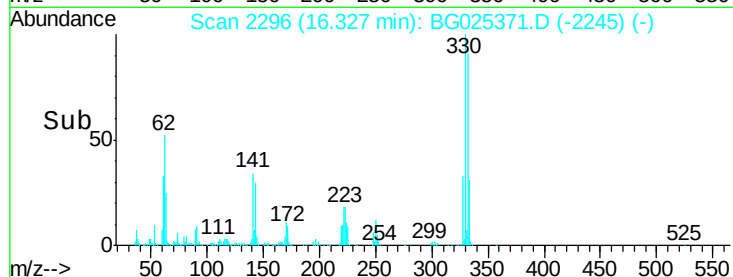
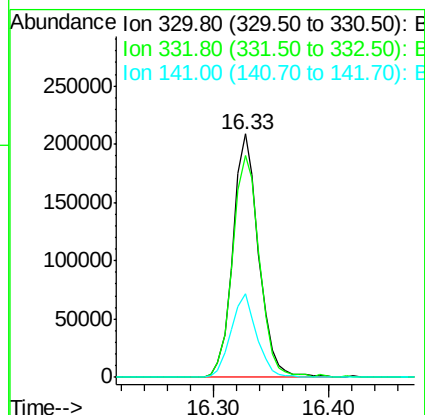
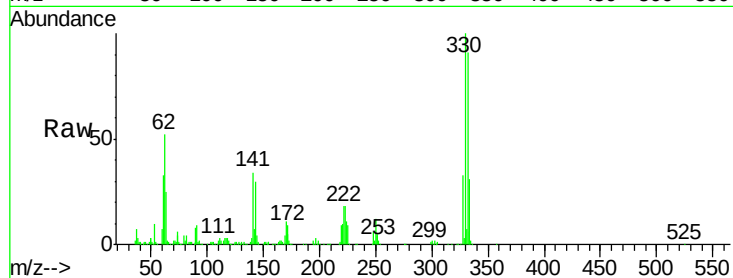




#41
 2,4,6-Tribromophenol
 Concen: 138.78 ng
 RT: 16.33 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

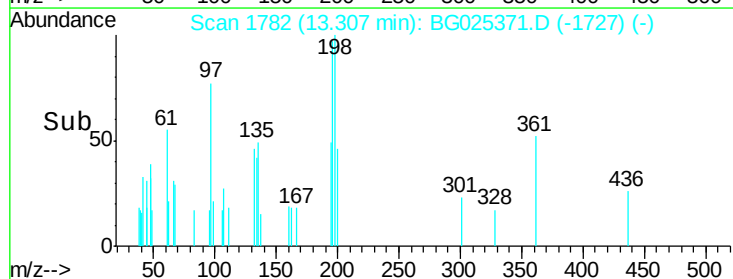
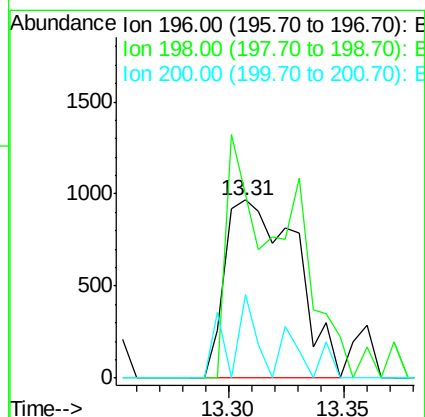
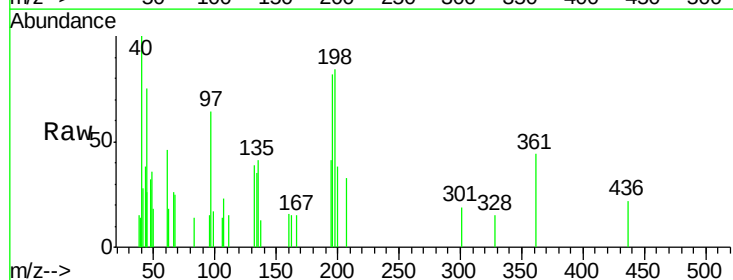
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

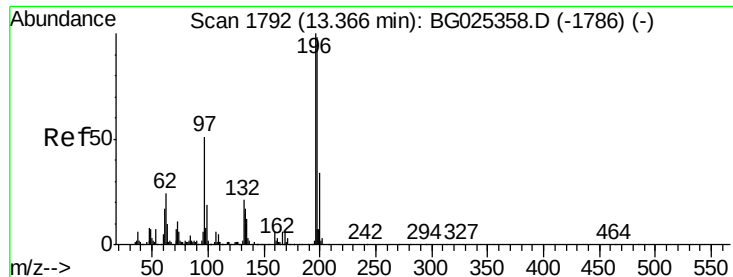
Tgt Ion:330 Resp: 323254
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.3 115.9
 141 33.9 32.1 48.1



#42
 2,4,6-Trichlorophenol
 Concen: 0.69 ng
 RT: 13.31 min Scan# 1782
 Delta R.T. 0.02 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

Tgt Ion:196 Resp: 2065
 Ion Ratio Lower Upper
 196 100
 198 102.7 81.4 122.2
 200 47.1 27.0 40.6#

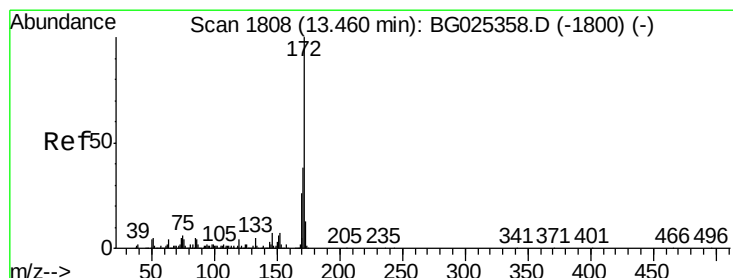
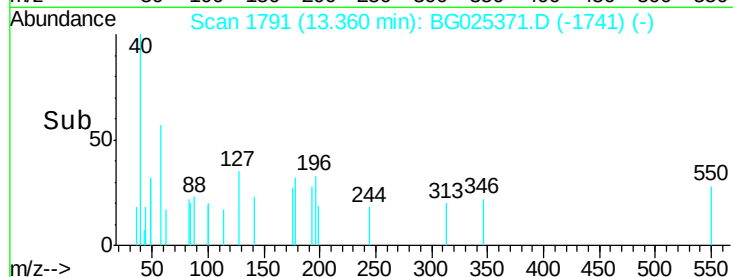
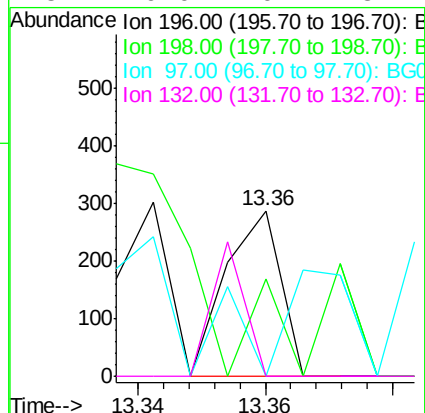
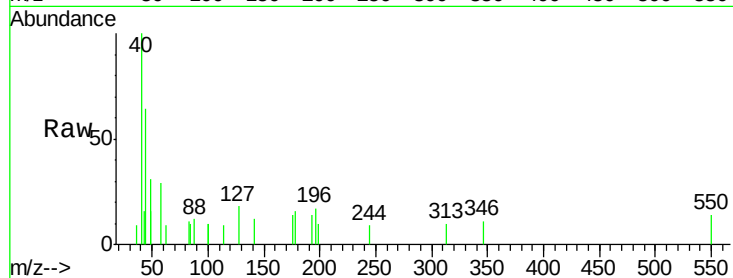




#43
 2,4,5-Trichlorophenol
 Concen: 0.05 ng
 RT: 13.36 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

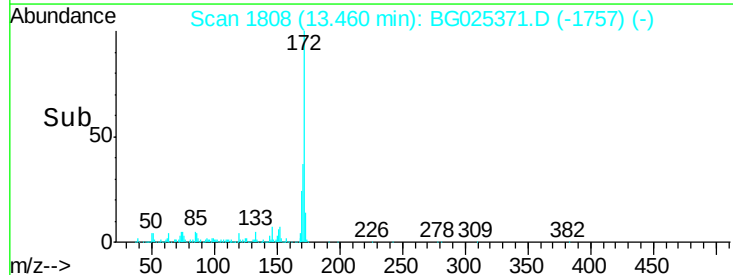
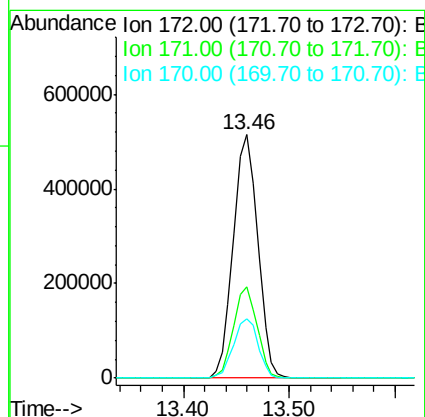
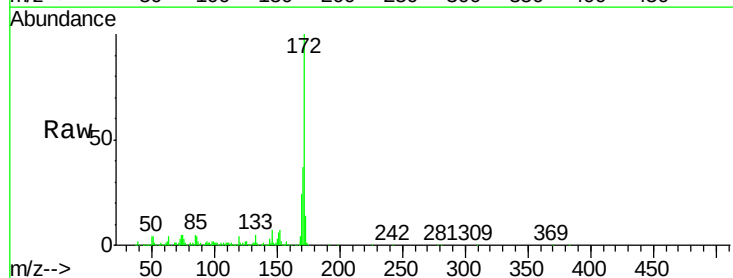
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

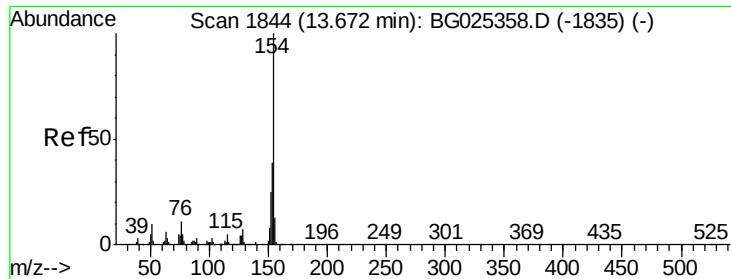
Tgt Ion:196 Resp: 171
 Ion Ratio Lower Upper
 196 100
 198 58.7 79.9 119.9#
 97 0.0 45.4 68.0#
 132 0.0 20.7 31.1#



#44
 2-Fluorobiphenyl
 Concen: 92.37 ng
 RT: 13.46 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

Tgt Ion:172 Resp: 825503
 Ion Ratio Lower Upper
 172 100
 171 37.4 32.2 48.2
 170 24.2 21.8 32.6

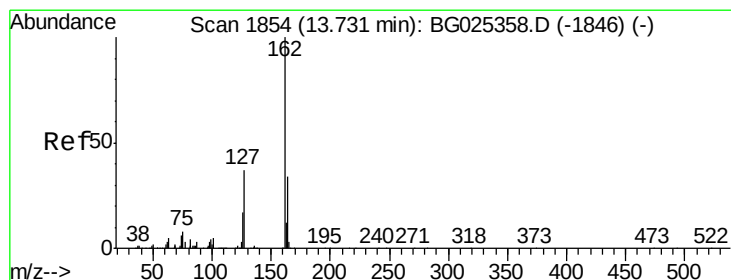
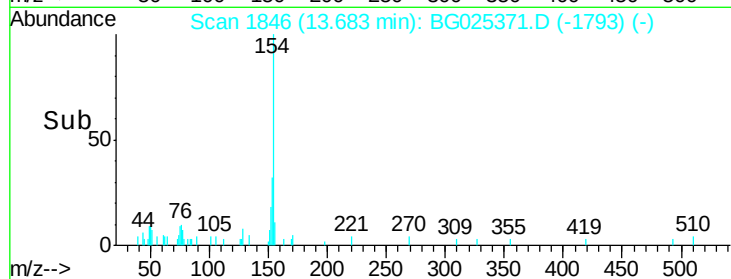
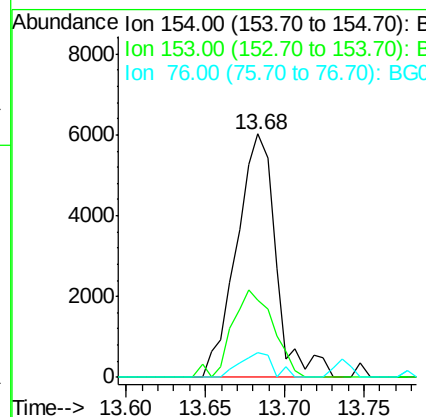
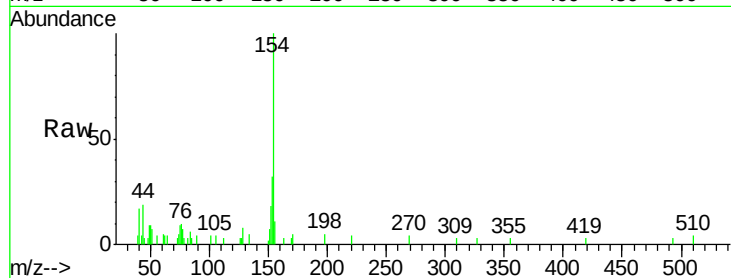




#45
 1,1'-Biphenyl
 Concen: 1.06 ng
 RT: 13.68 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

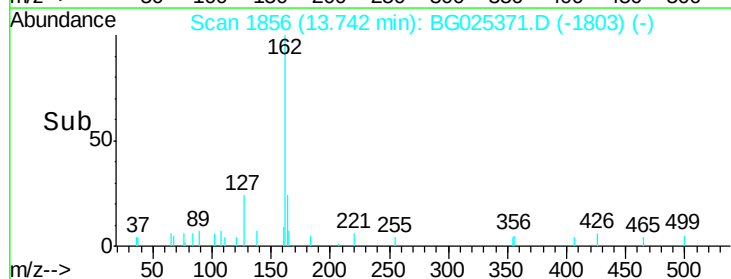
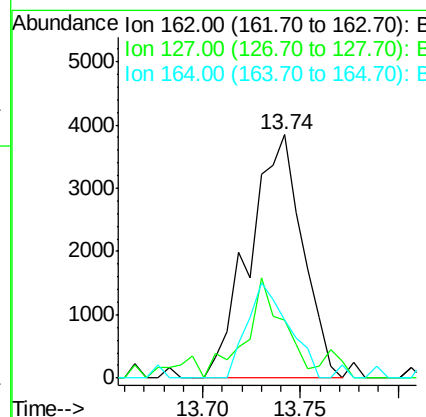
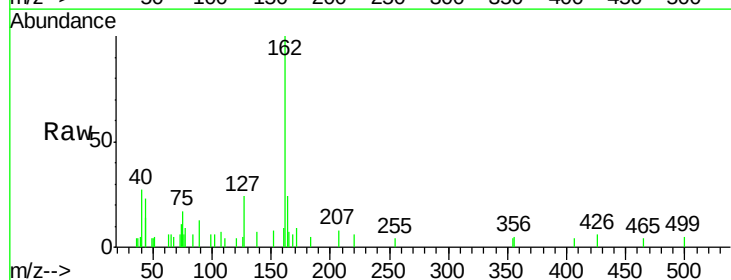
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

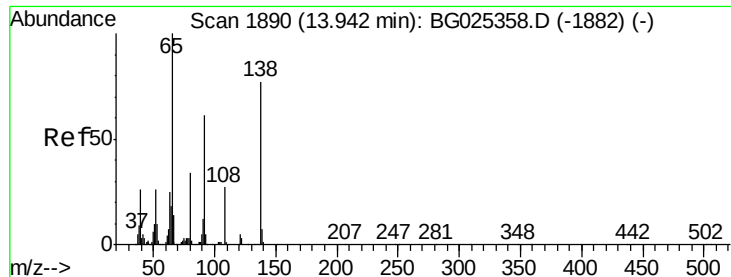
Tgt Ion:	154	Resp:	10349
Ion	Ratio	Lower	Upper
154	100		
153	31.7	23.0	63.0
76	9.9	0.0	33.5



#46
 2-Chloronaphthalene
 Concen: 0.95 ng
 RT: 13.74 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

Tgt Ion:	162	Resp:	7249
Ion	Ratio	Lower	Upper
162	100		
127	23.7	32.2	48.4#
164	23.6	27.3	40.9#

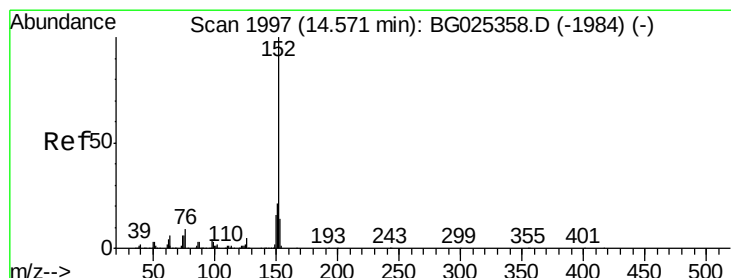
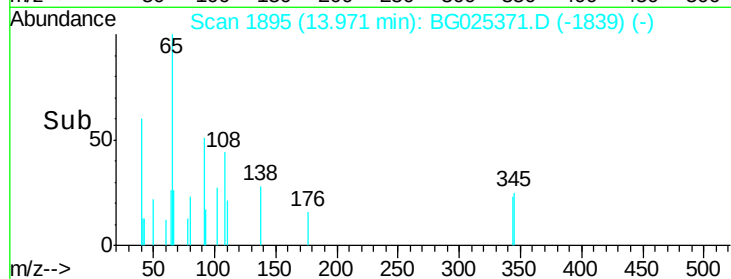
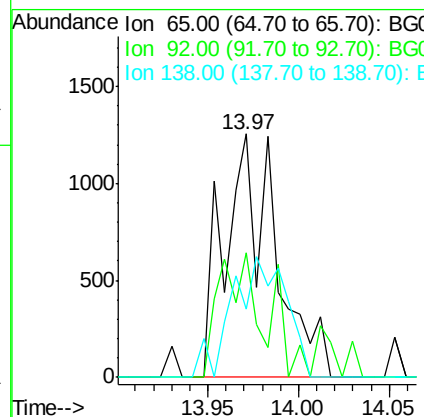
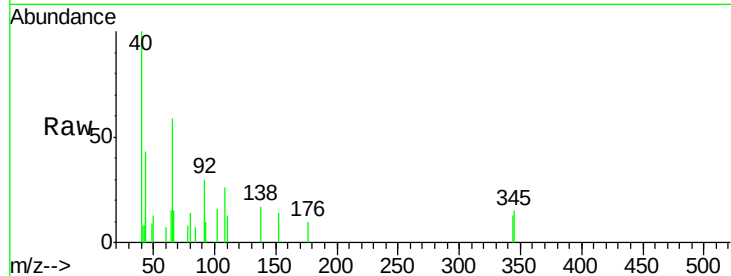




#47
2-Nitroaniline
Concen: 0.77 ng
RT: 13.97 min Scan# 1895
Delta R.T. 0.03 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

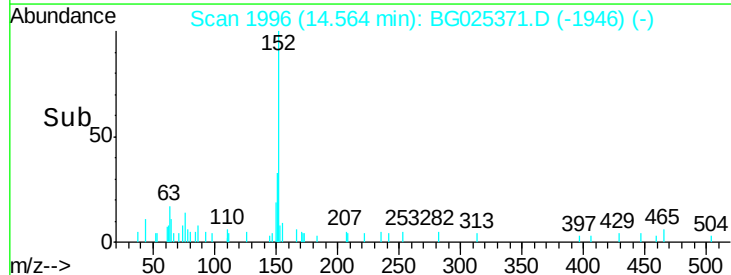
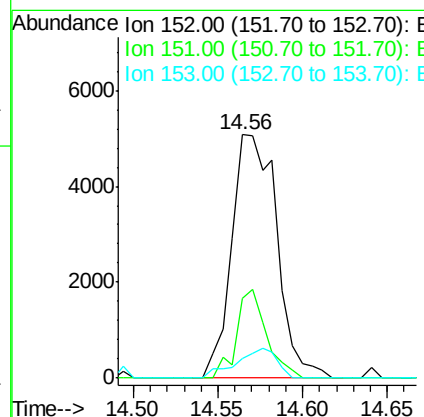
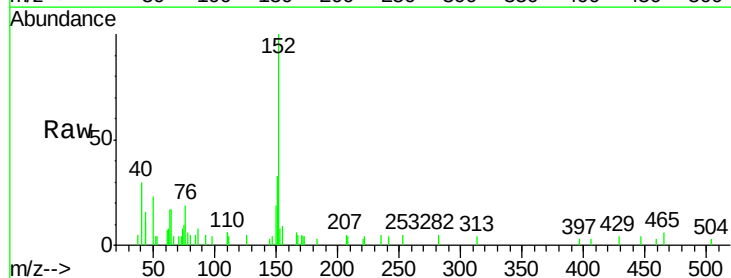
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

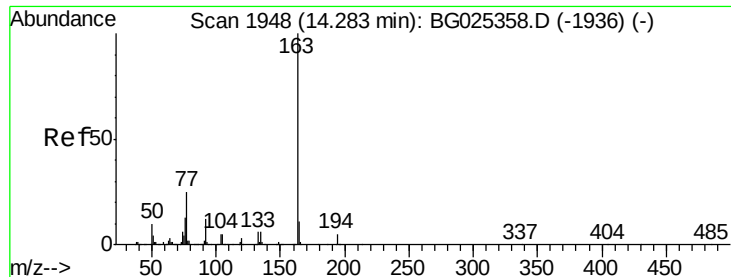
Tgt Ion: 65 Resp: 2461
Ion Ratio Lower Upper
65 100
92 51.0 49.0 73.4
138 27.9 58.6 87.8#



#48
Acenaphthylene
Concen: 0.80 ng
RT: 14.56 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion: 152 Resp: 9412
Ion Ratio Lower Upper
152 100
151 32.5 18.2 27.2#
153 8.2 11.3 16.9#





#49

Dimethylphthalate

Concen: 0.72 ng

RT: 14.29 min Scan# 1950

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

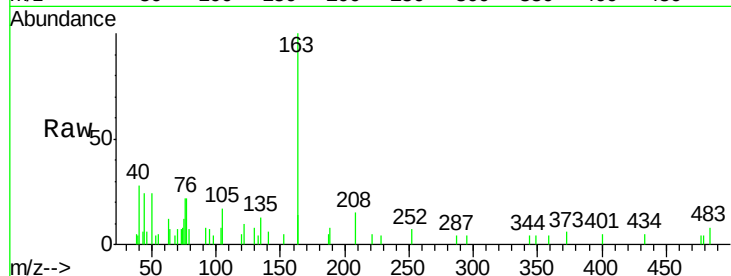
Instrument :

BNA_G

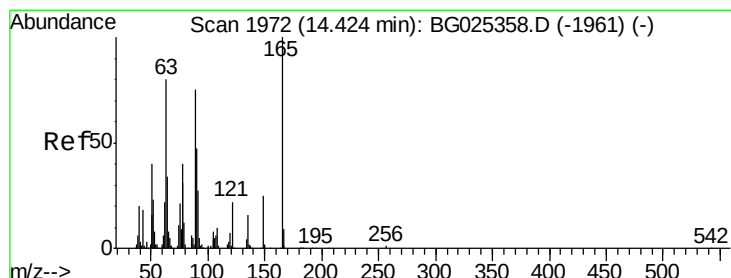
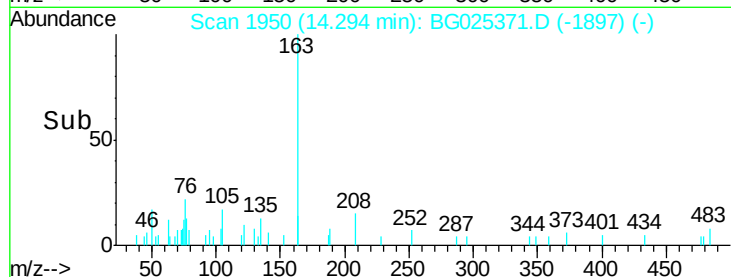
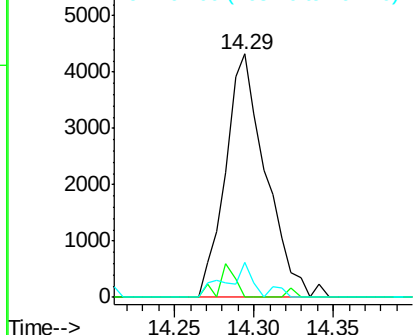
ClientSampleId :

LOD-SOIL-01-QT1-2017

Tgt Ion:	163	Resp:	7623
Ion Ratio	Lower	Upper	
163	100		
194	0.0	3.8	5.6#
164	14.3	9.3	13.9#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 0.61 ng

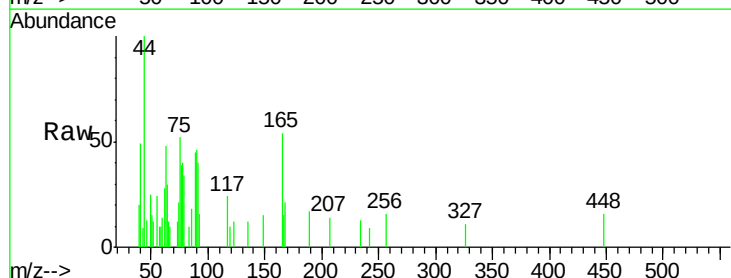
RT: 14.44 min Scan# 1974

Delta R.T. 0.01 min

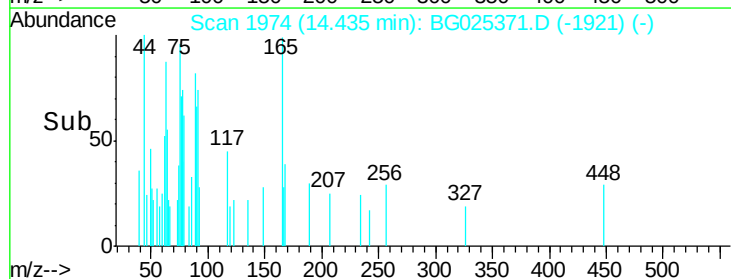
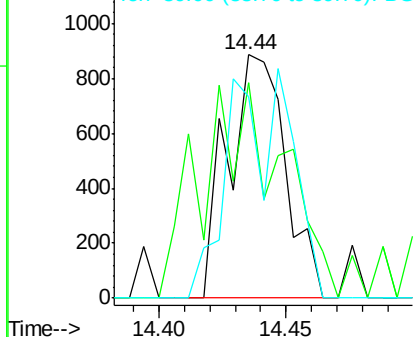
Lab File: BG025371.D

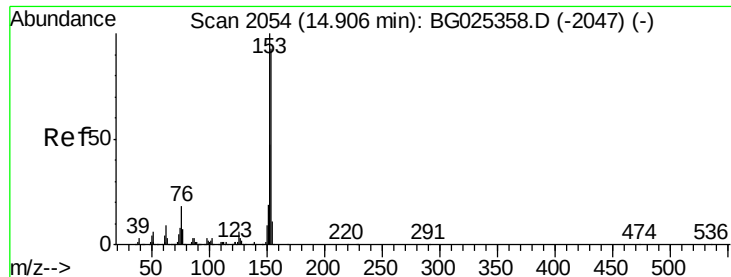
Acq: 22 Dec 2016 00:00

Tgt Ion:	165	Resp:	1407
Ion Ratio	Lower	Upper	
165	100		
63	88.3	63.9	95.9
89	82.8	58.6	88.0



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





#51

Acenaphthene

Concen: 0.94 ng

RT: 14.91 min Scan# 2055

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

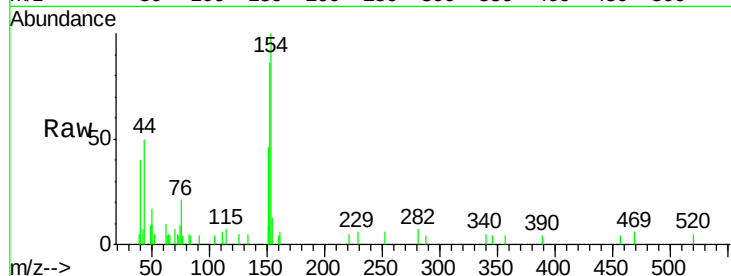
Tgt Ion:154 Resp: 7209

Ion Ratio Lower Upper

154 100

153 86.5 87.8 131.6#

152 46.2 42.2 63.4

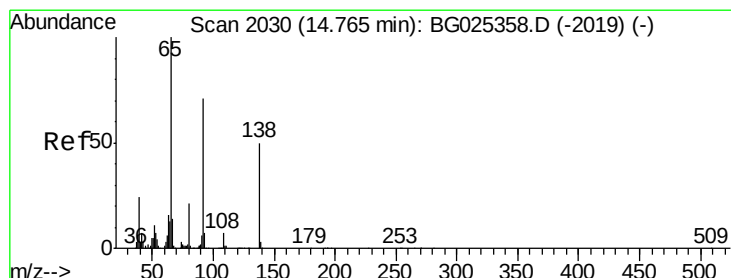
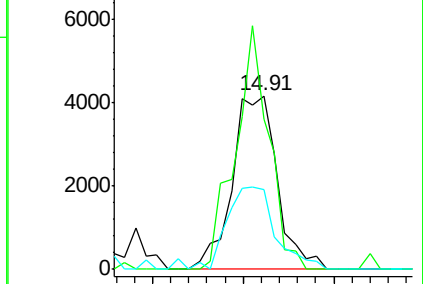
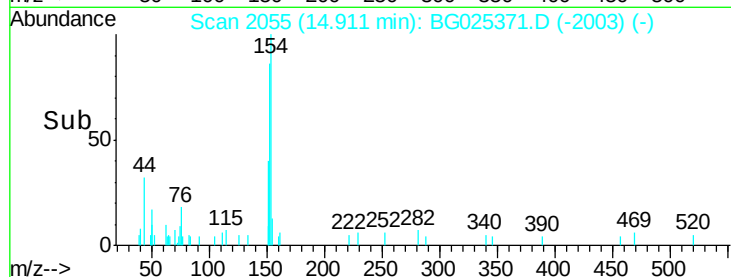


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->



#52

3-Nitroaniline

Concen: 0.08 ng

RT: 14.77 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

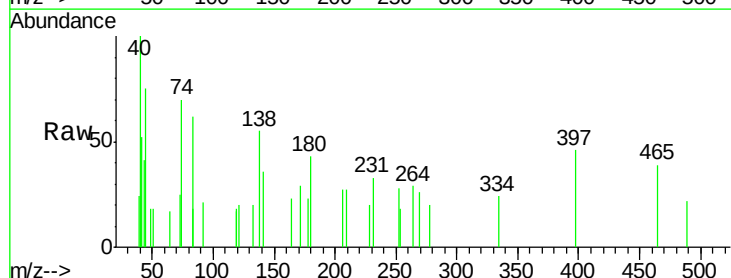
Tgt Ion:138 Resp: 172

Ion Ratio Lower Upper

138 100

108 0.0 10.9 16.3#

92 0.0 115.3 172.9#

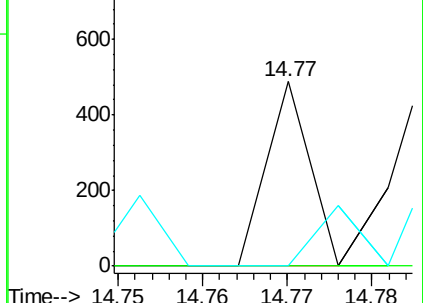
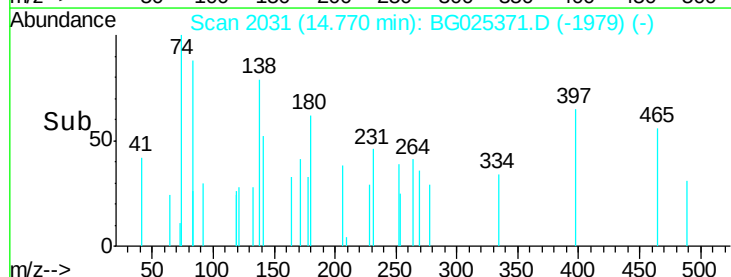


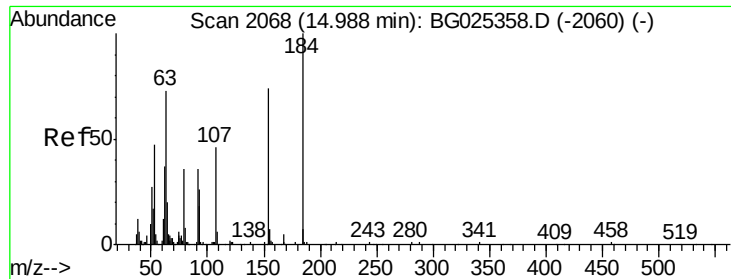
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

Time-->





#53

2,4-Dinitrophenol

Concen: 5.13 ng

RT: 14.98 min Scan# 2067

Delta R.T. -0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

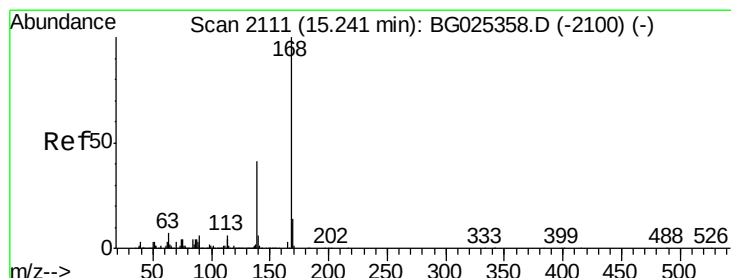
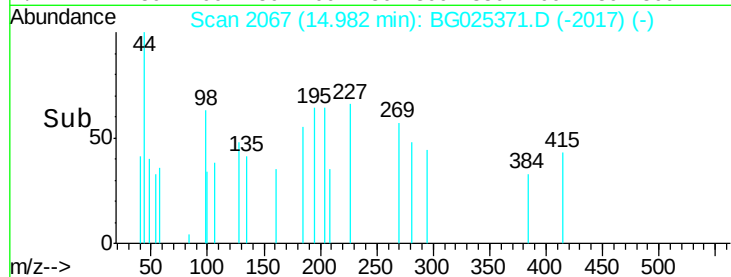
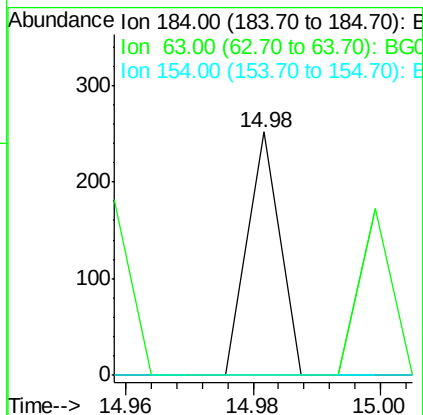
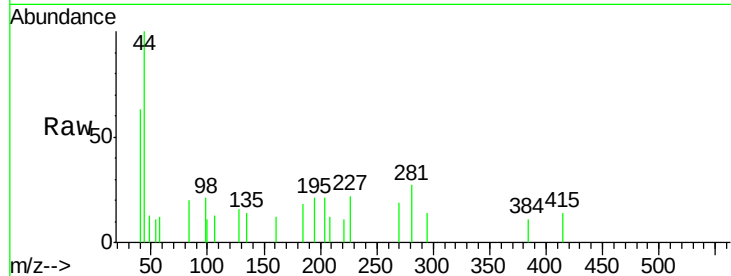
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tgt Ion:	184	Resp:	89
Ion	Ratio	Lower	Upper
184	100		
63	0.0	52.7	79.1#
154	0.0	57.3	85.9#



#54

Dibenzofuran

Concen: 0.80 ng

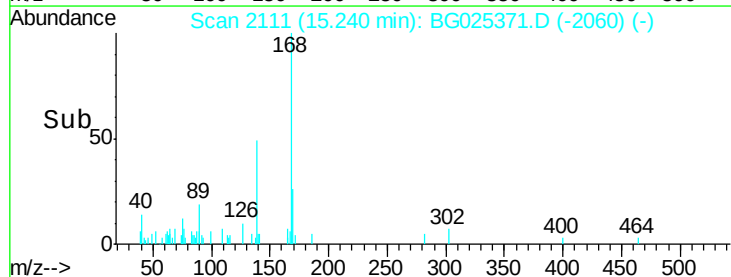
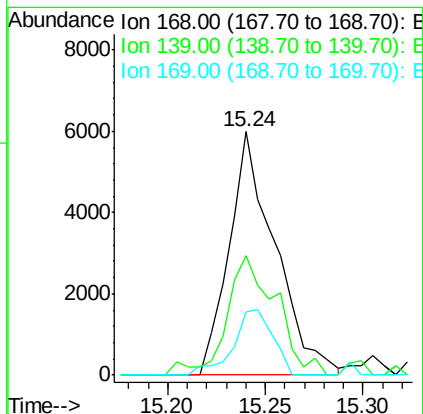
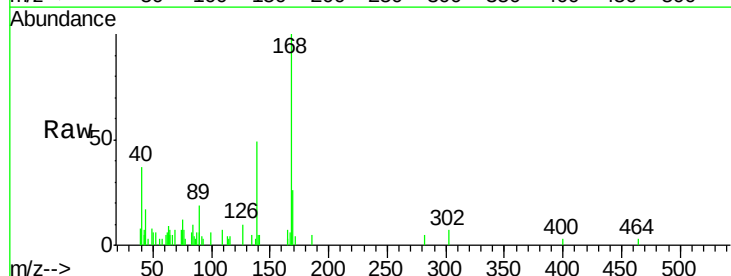
RT: 15.24 min Scan# 2111

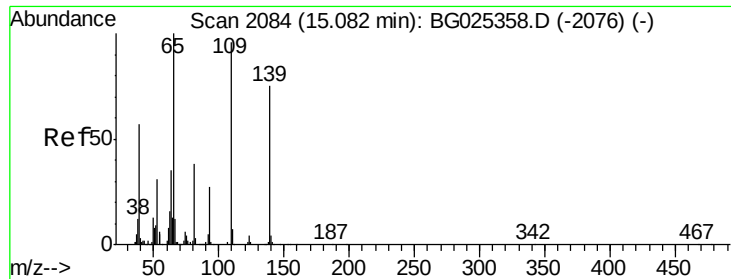
Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:	168	Resp:	9755
Ion	Ratio	Lower	Upper
168	100		
139	49.3	35.3	52.9
169	26.0	11.5	17.3#





#55

4-Nitrophenol

Concen: 3.13 ng

RT: 15.24 min Scan# 2111

Delta R.T. 0.16 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

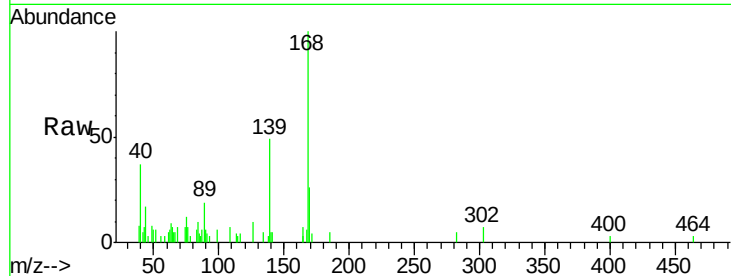
Tgt Ion:139 Resp: 5176

Ion Ratio Lower Upper

139 100

109 14.7 101.2 141.2#

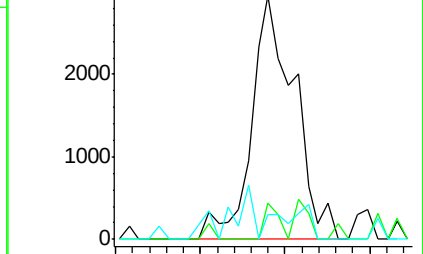
65 9.9 135.3 175.3#



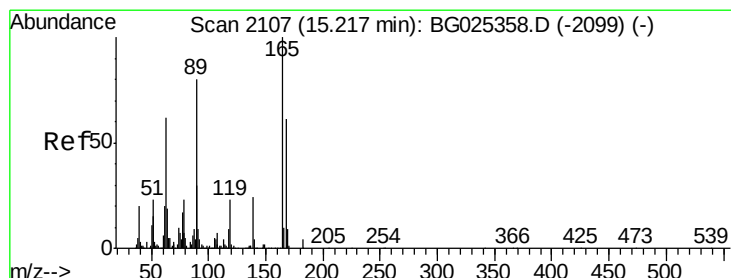
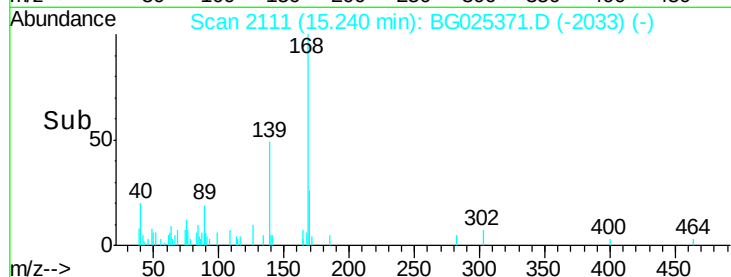
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



Time--> 15.15 15.20 15.25 15.30



#56

2,4-Dinitrotoluene

Concen: 0.17 ng

RT: 15.23 min Scan# 2109

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:165 Resp: 571

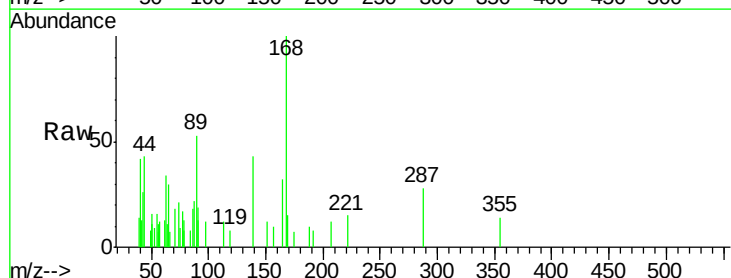
Ion Ratio Lower Upper

165 100

63 106.7 44.0 66.0#

89 166.5 67.3 100.9#

182 0.0 3.8 5.6#

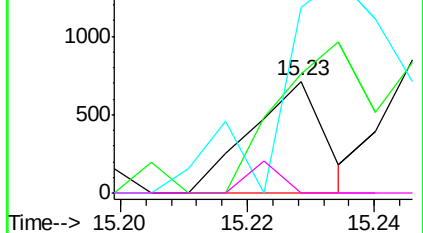


Abundance Ion 165.00 (164.70 to 165.70): E

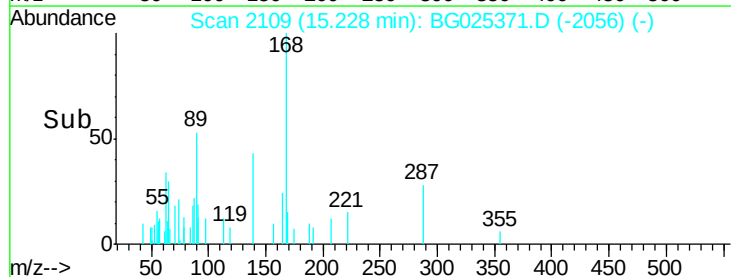
Ion 63.00 (62.70 to 63.70): BGC

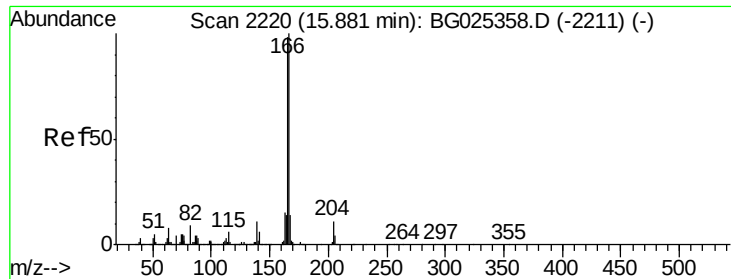
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time--> 15.20 15.22 15.24





#57

Fluorene

Concen: 0.92 ng

RT: 15.89 min Scan# 2222

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

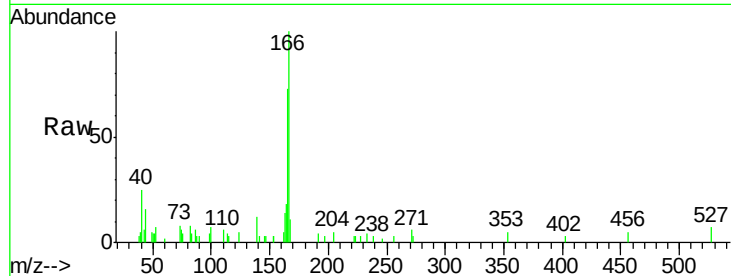
Tgt Ion:166 Resp: 9360

Ion Ratio Lower Upper

166 100

165 73.2 78.6 117.8#

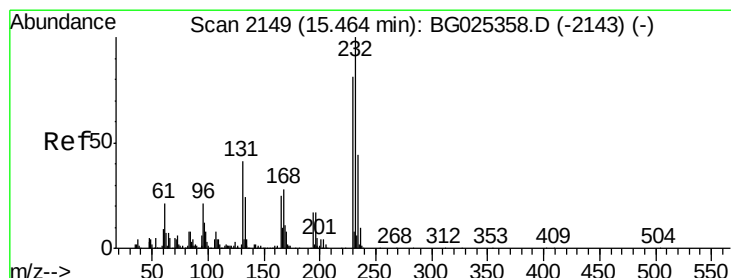
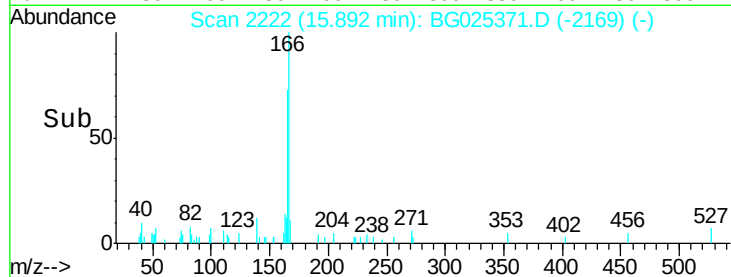
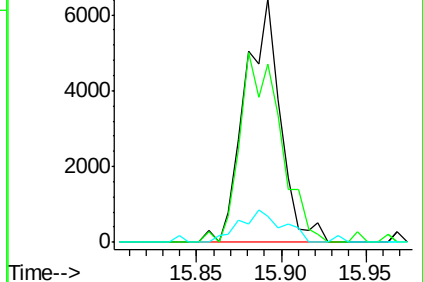
167 10.5 11.6 17.4#



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: 0.71 ng

RT: 15.48 min Scan# 2152

Delta R.T. 0.02 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:232 Resp: 2384

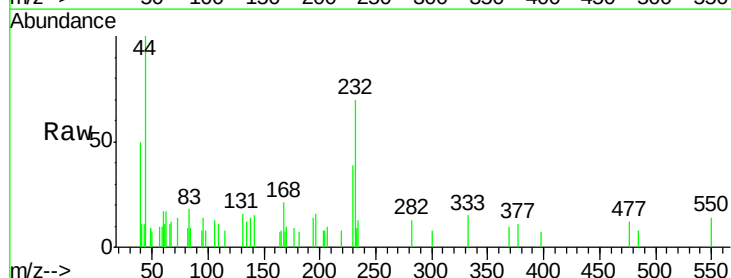
Ion Ratio Lower Upper

232 100

131 25.4 34.9 52.3#

130 0.0 2.3 3.5#

166 12.9 24.2 36.4#

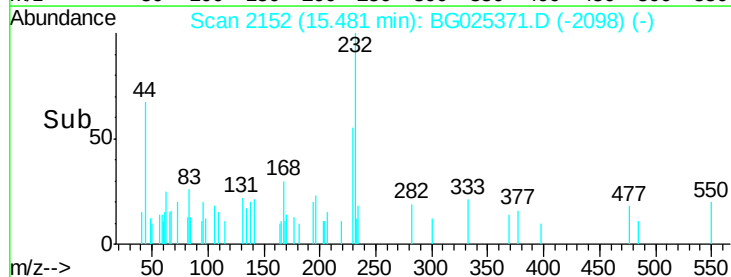
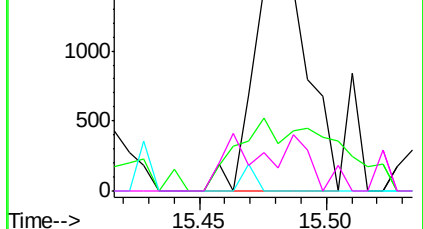


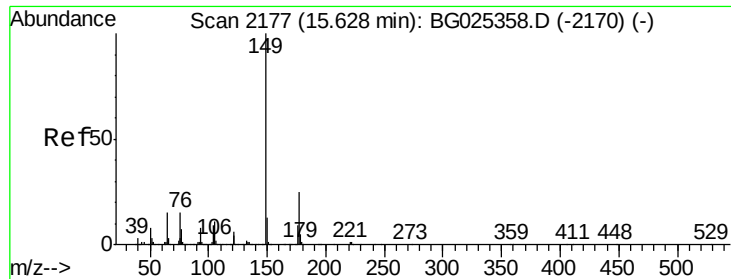
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 0.84 ng

RT: 15.63 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

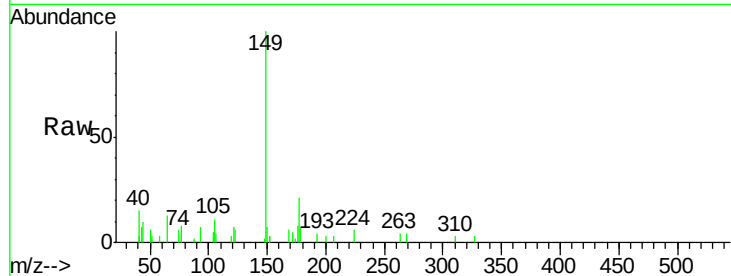
Tgt Ion:149 Resp: 9248

Ion Ratio Lower Upper

149 100

177 20.6 20.1 30.1

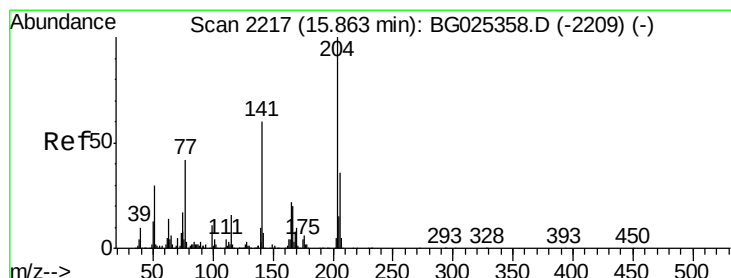
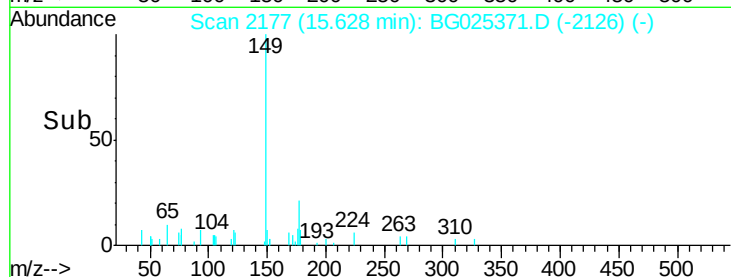
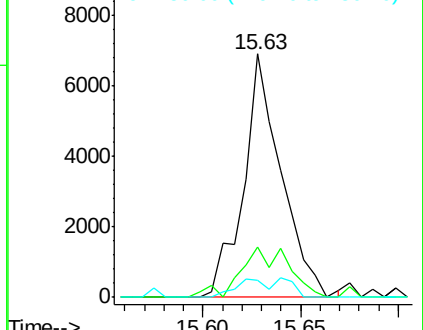
150 7.0 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 0.95 ng

RT: 15.86 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

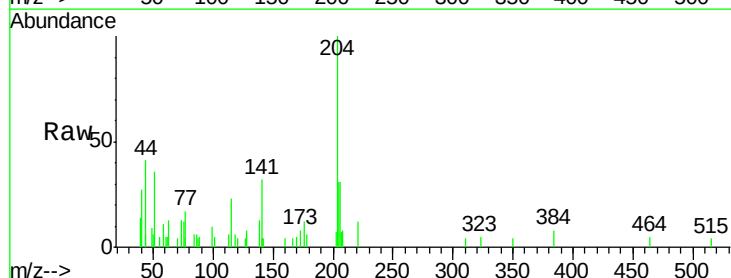
Tgt Ion:204 Resp: 5505

Ion Ratio Lower Upper

204 100

206 31.2 30.1 45.1

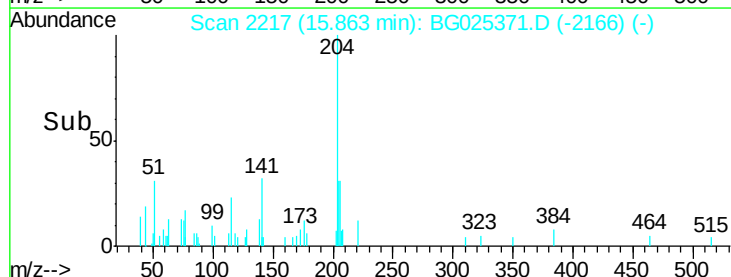
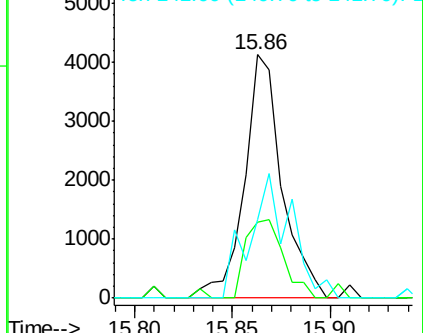
141 32.4 50.6 76.0#

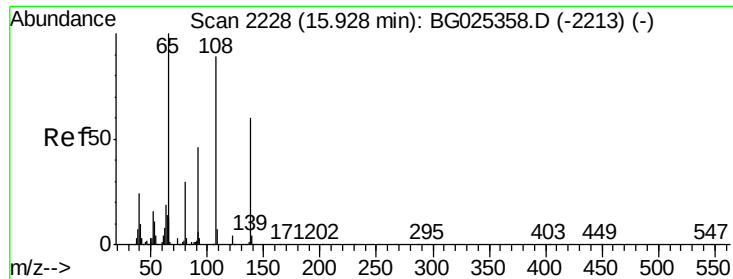


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

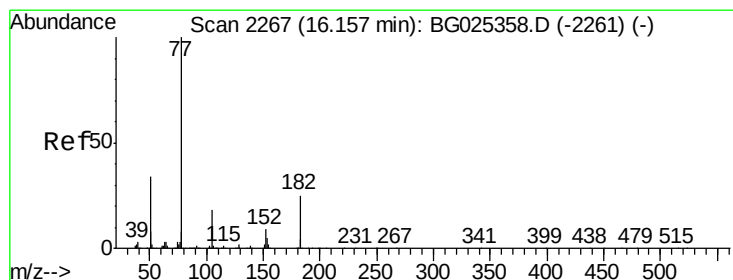
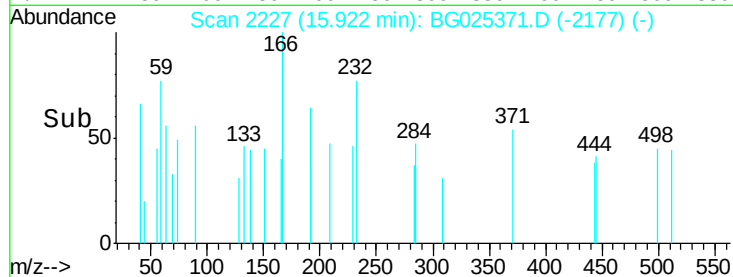
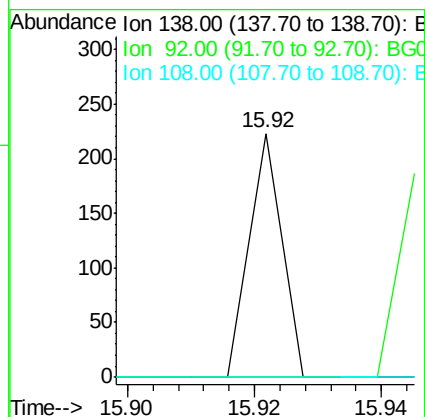
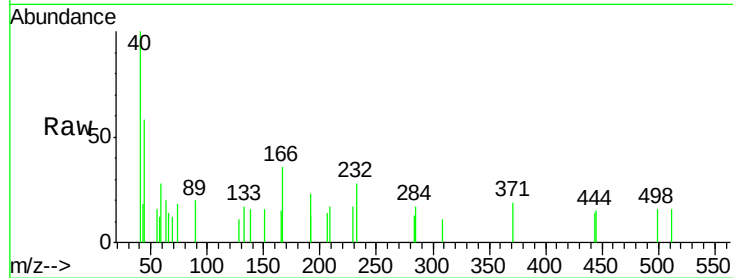




#61
4-Nitroaniline
Concen: 0.04 ng
RT: 15.92 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

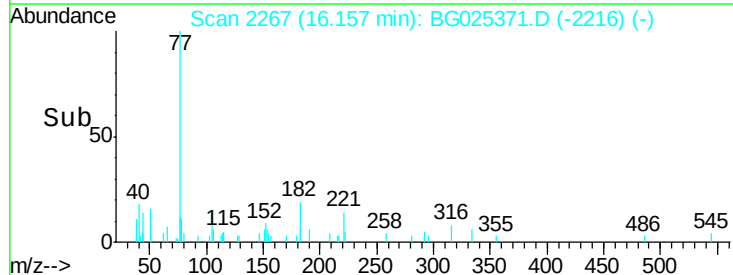
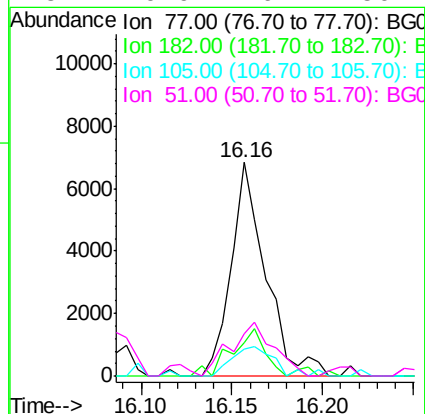
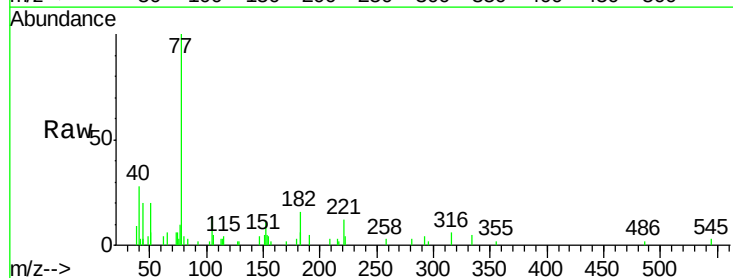
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

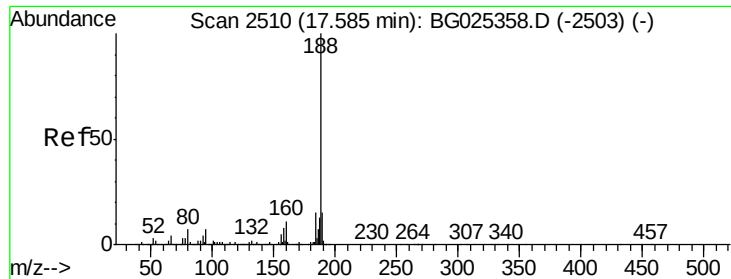
Tgt Ion: 138 Resp: 79
Ion Ratio Lower Upper
138 100
92 0.0 44.2 84.2#
108 0.0 104.8 144.8#



#62
Azobenzene
Concen: 0.85 ng
RT: 16.16 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion: 77 Resp: 9040
Ion Ratio Lower Upper
77 100
182 15.8 4.7 44.7
105 12.9 0.0 36.3
51 19.9 16.4 56.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.58 min Scan# 2510

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

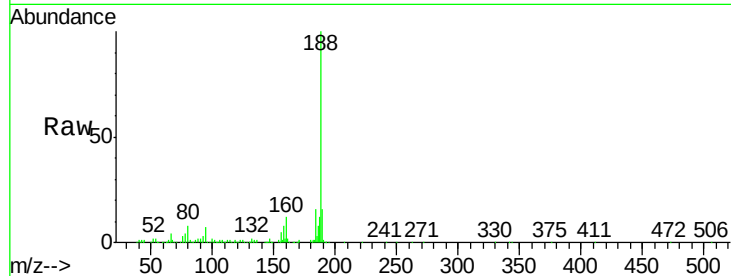
Tgt Ion:188 Resp: 346675

Ion Ratio Lower Upper

188 100

94 6.7 5.8 8.8

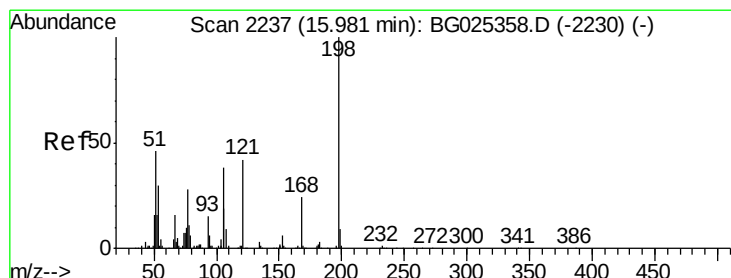
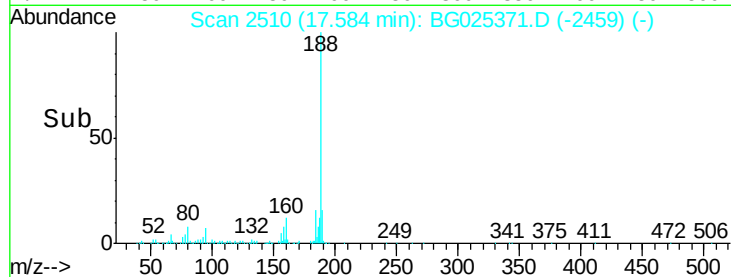
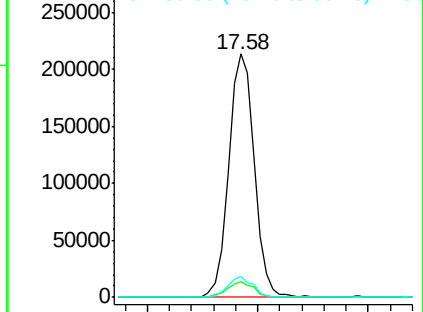
80 8.5 7.5 11.3



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: 0.03 ng

RT: 16.02 min Scan# 2243

Delta R.T. 0.03 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

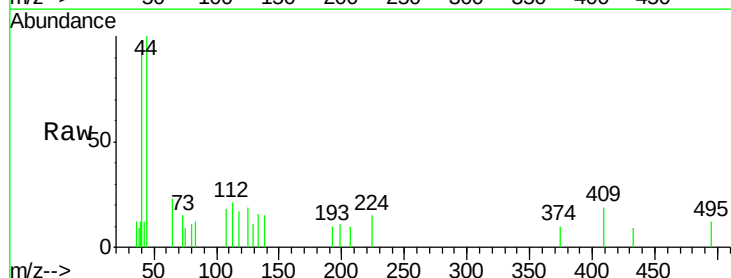
Tgt Ion:198 Resp: 76

Ion Ratio Lower Upper

198 100

51 0.0 22.6 62.6#

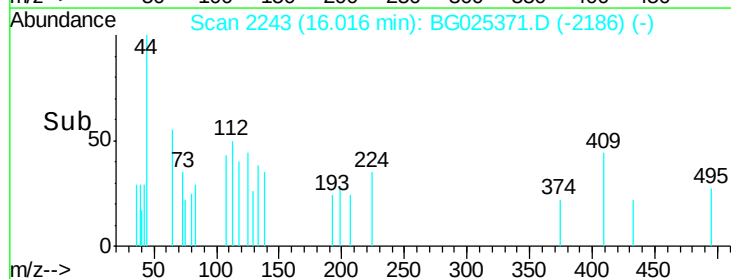
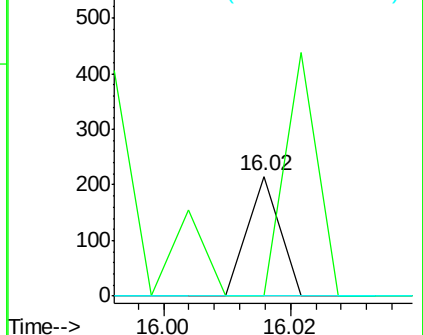
105 0.0 14.4 54.4#

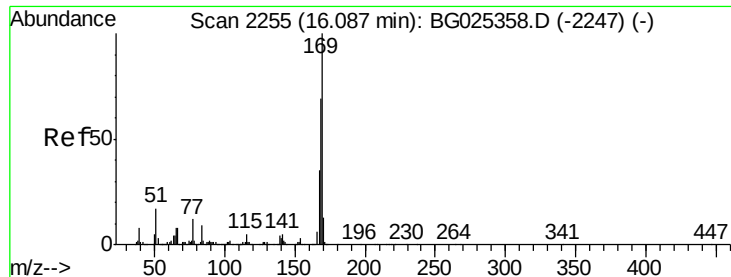


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

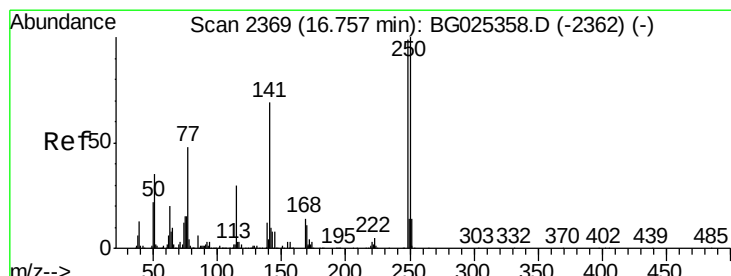
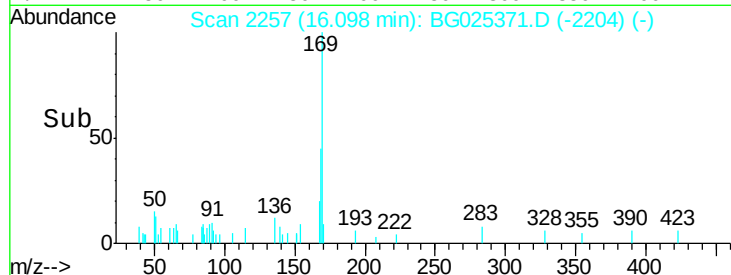
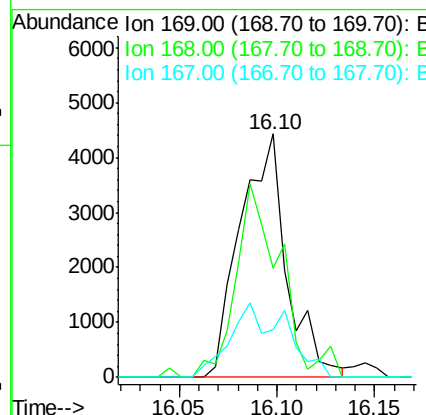
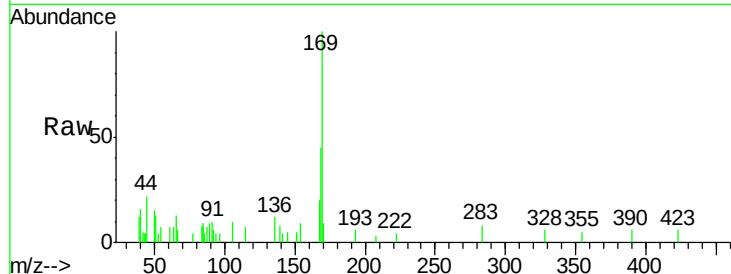




#65
 n-Nitrosodiphenylamine
 Concen: 0.78 ng
 RT: 16.10 min Scan# 2257
 Delta R.T. 0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

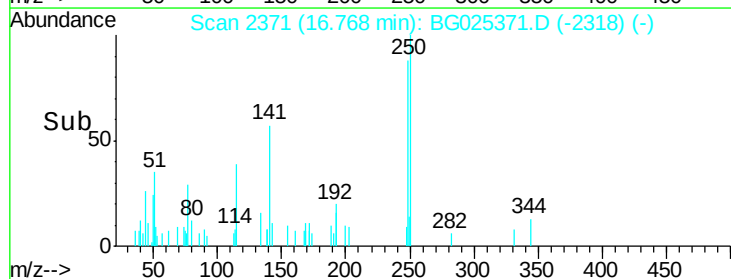
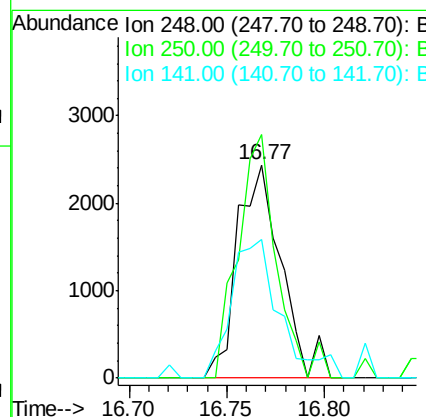
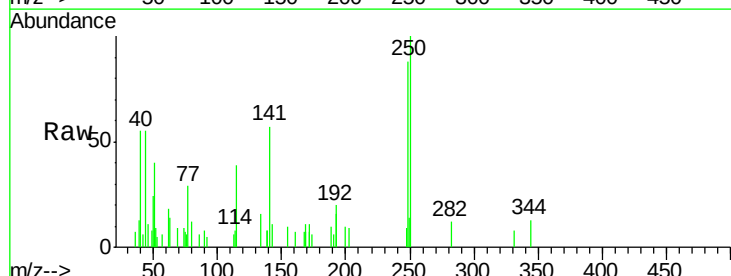
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

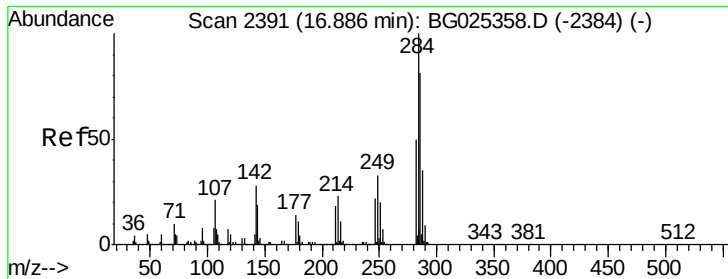
Tgt Ion	Ratio	Lower	Upper
169	100		
168	45.1	55.7	83.5#
167	19.8	29.8	44.6#



#66
 4-Bromophenyl-phenylether
 Concen: 0.89 ng
 RT: 16.77 min Scan# 2371
 Delta R.T. 0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

Tgt Ion	Ratio	Lower	Upper
248	100		
250	114.2	75.0	112.6#
141	64.9	55.2	82.8





#67

Hexachlorobenzene

Concen: 0.75 ng

RT: 16.89 min Scan# 2392

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

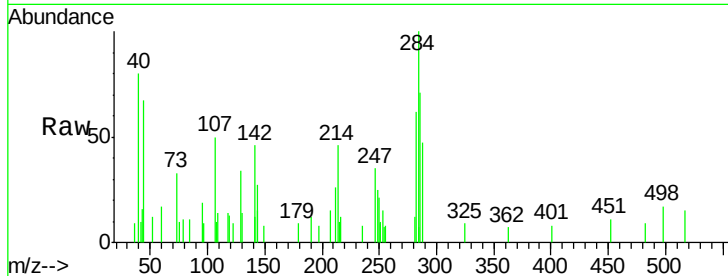
Tgt Ion:284 Resp: 3663

Ion Ratio Lower Upper

284 100

142 45.8 29.9 44.9#

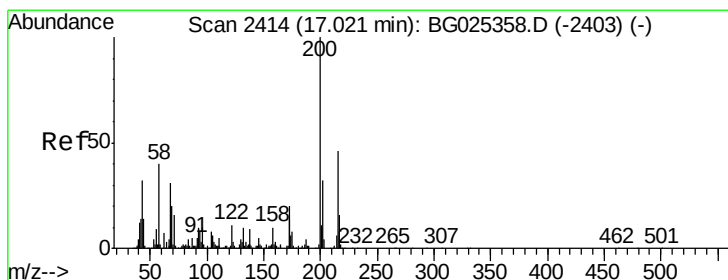
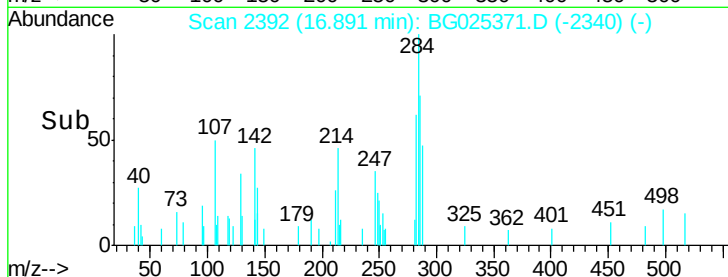
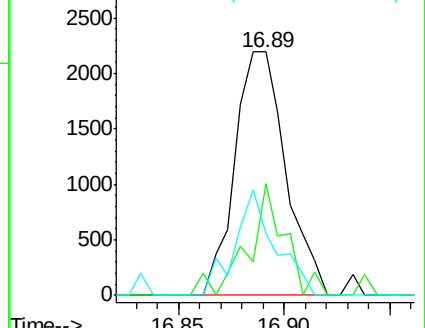
249 25.2 29.2 43.8#



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: 0.55 ng

RT: 17.03 min Scan# 2416

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

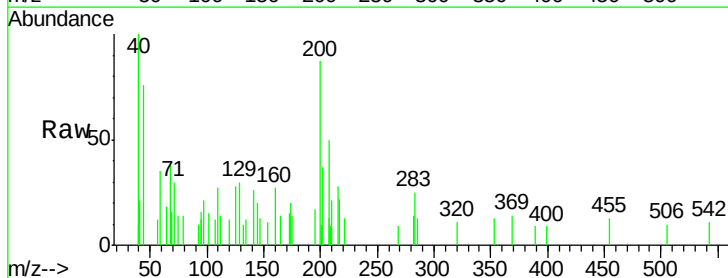
Tgt Ion:200 Resp: 2246

Ion Ratio Lower Upper

200 100

173 23.2 3.0 43.0

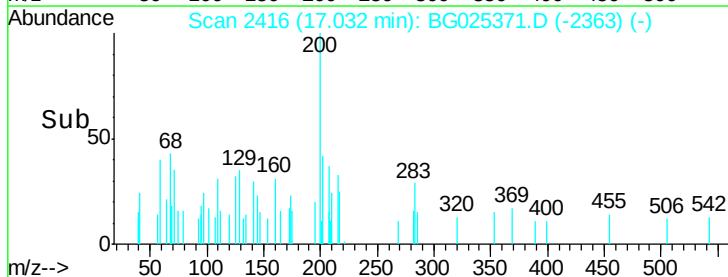
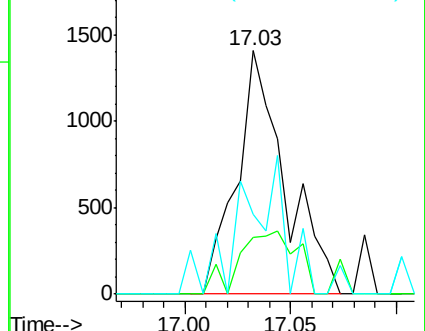
215 32.6 28.4 68.4

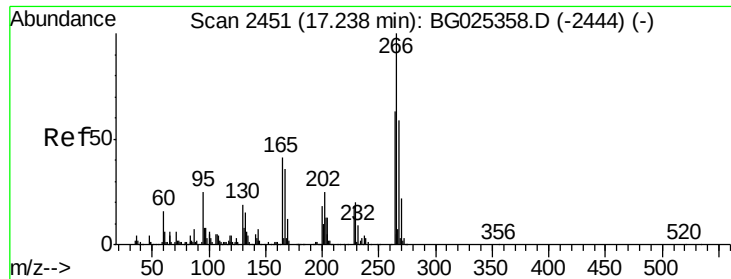


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 0.03 ng

RT: 17.18 min Scan# 2441

Delta R.T. -0.06 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

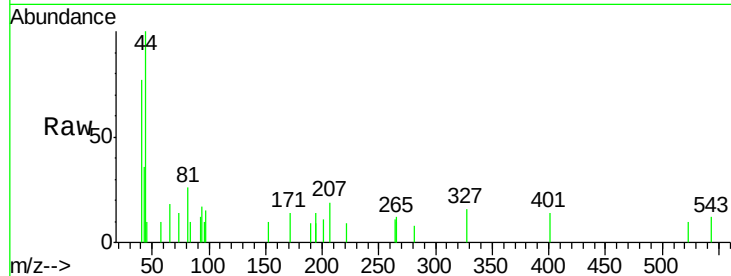
Tgt Ion:266 Resp: 75

Ion Ratio Lower Upper

266 100

268 0.0 48.6 72.8#

264 94.4 50.1 75.1#



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

250

200

150

100

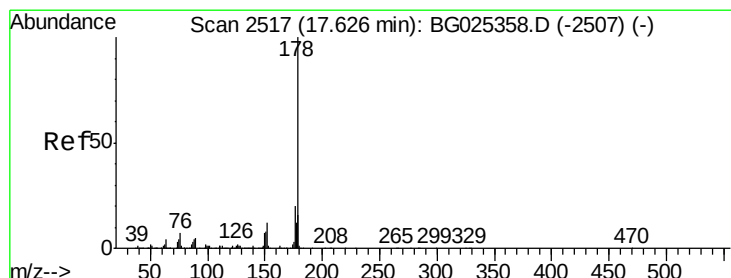
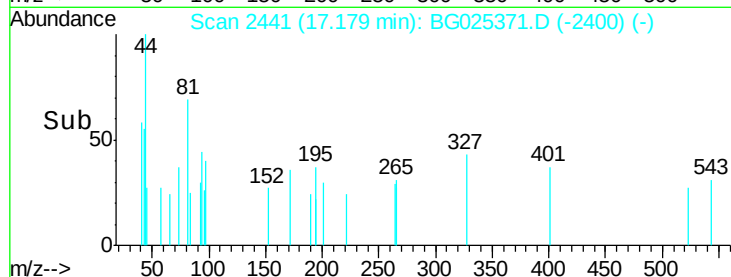
50

0

17.16

17.18

Time-->



#70

Phenanthrene

Concen: 0.77 ng

RT: 17.63 min Scan# 2517

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

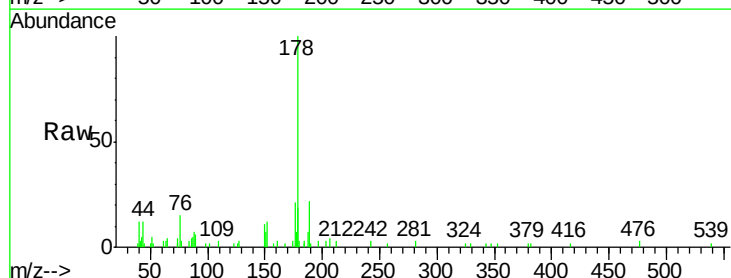
Tgt Ion:178 Resp: 13769

Ion Ratio Lower Upper

178 100

176 20.7 17.7 26.5

179 19.3 15.0 22.6



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

12000

10000

8000

6000

4000

2000

0

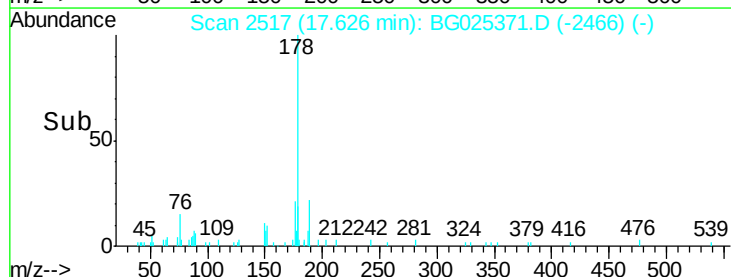
17.55

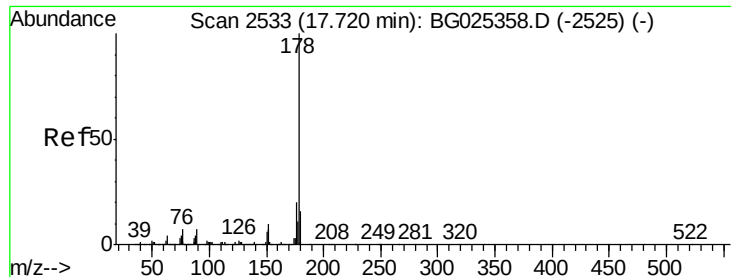
17.60

17.65

17.70

Time-->





#71

Anthracene

Concen: 0.76 ng

RT: 17.63 min Scan# 2517

Delta R.T. -0.09 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

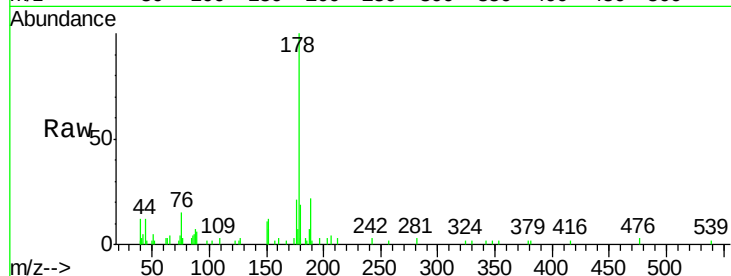
Tgt Ion:178 Resp: 13769

Ion Ratio Lower Upper

178 100

176 20.7 16.4 24.6

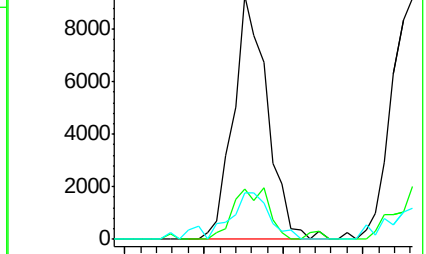
179 19.3 13.8 20.8



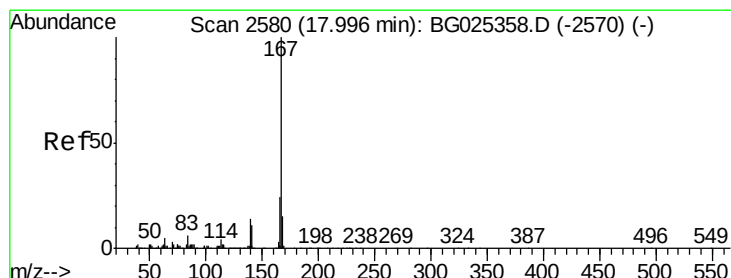
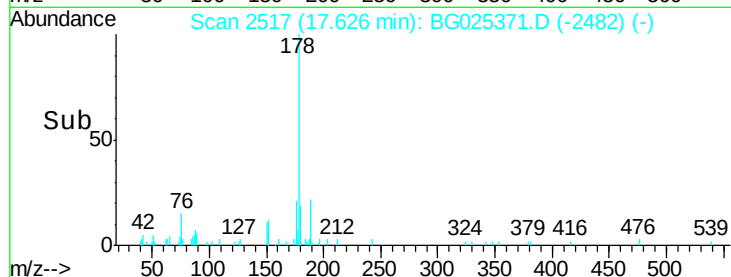
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Carbazole

Concen: 0.78 ng

RT: 18.01 min Scan# 2582

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

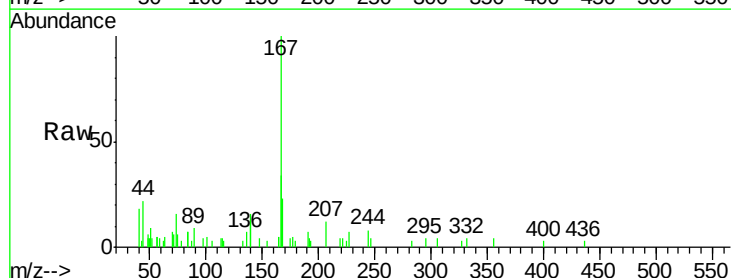
Tgt Ion:167 Resp: 12687

Ion Ratio Lower Upper

167 100

166 33.6 20.2 30.2#

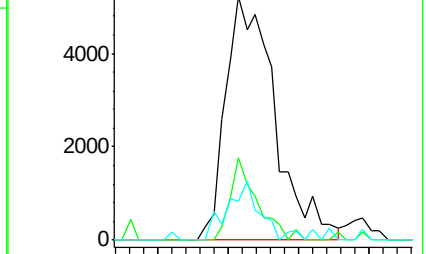
139 15.8 12.8 19.2



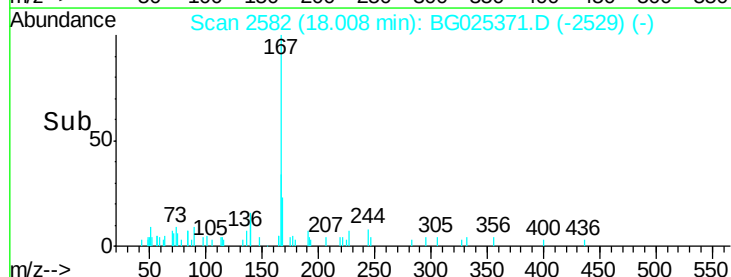
Abundance Ion 167.00 (166.70 to 167.70): E

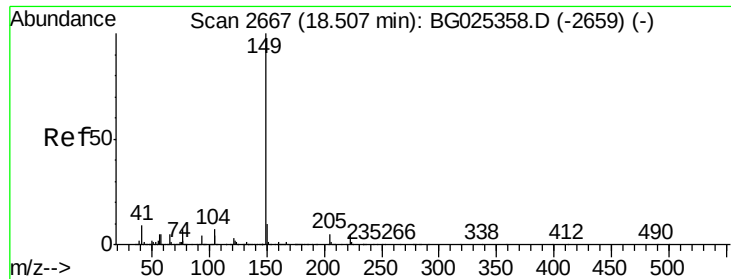
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->

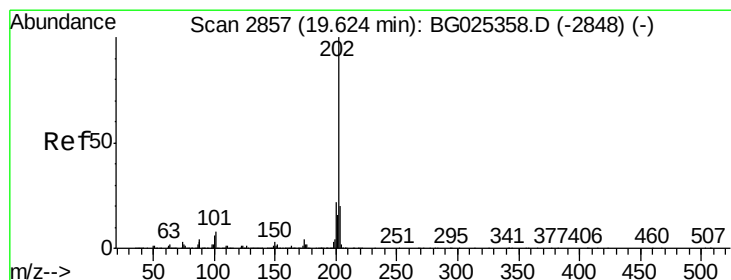
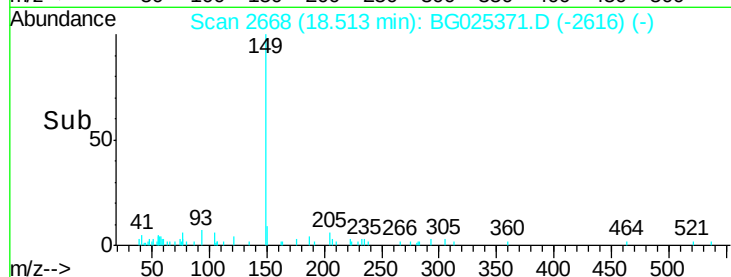
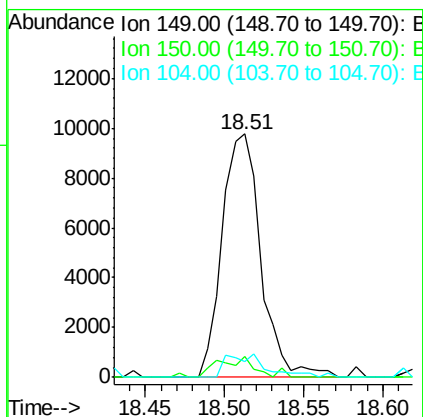
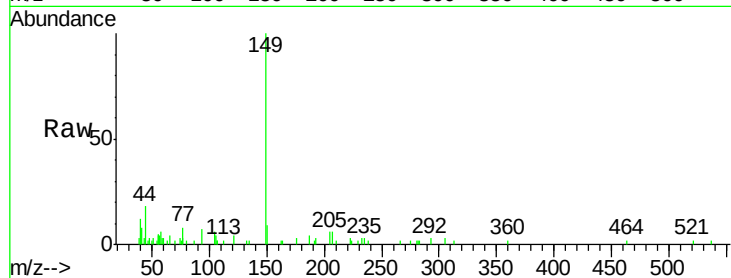




#73
Di-n-butylphthalate
Concen: 0.83 ng
RT: 18.51 min Scan# 2668
Delta R.T. 0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

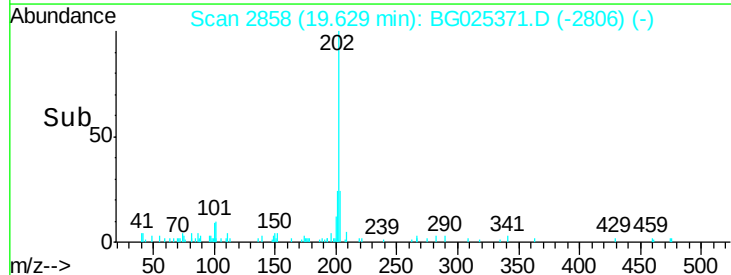
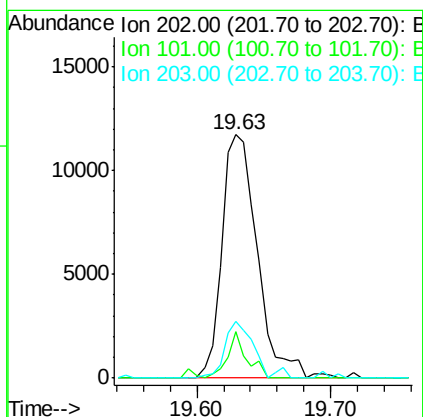
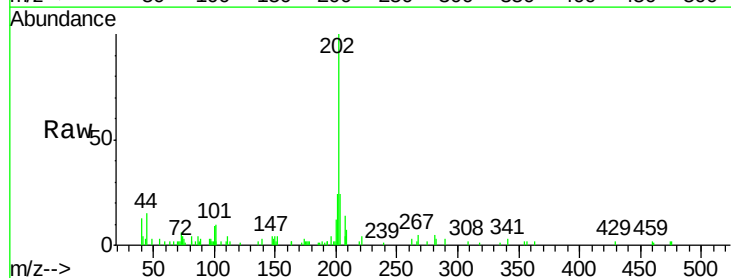
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

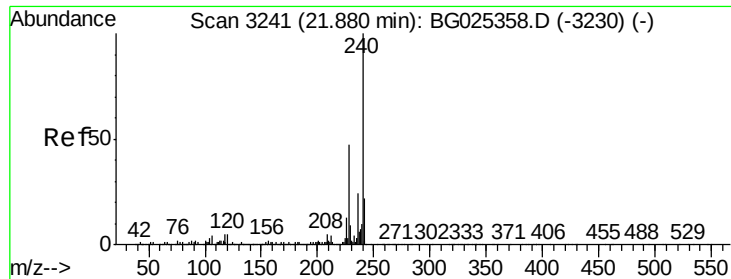
Tgt Ion:149 Resp: 16564
Ion Ratio Lower Upper
149 100
150 8.5 9.1 13.7#
104 6.4 6.7 10.1#



#74
Fluoranthene
Concen: 0.92 ng
RT: 19.63 min Scan# 2858
Delta R.T. 0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion:202 Resp: 21759
Ion Ratio Lower Upper
202 100
101 19.1 0.0 30.1
203 23.5 1.3 41.3

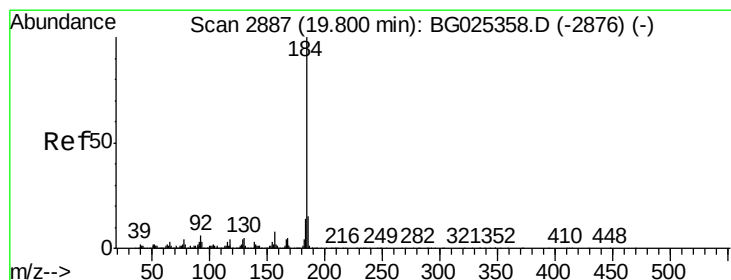
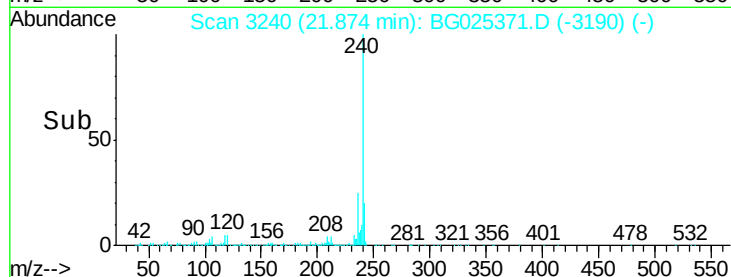
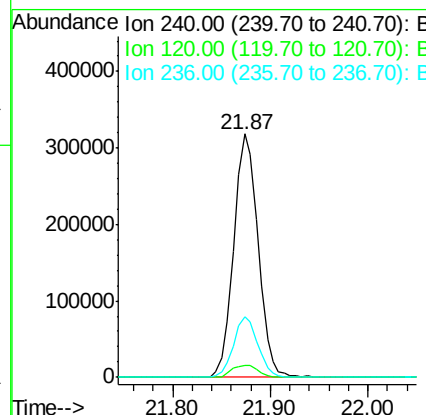
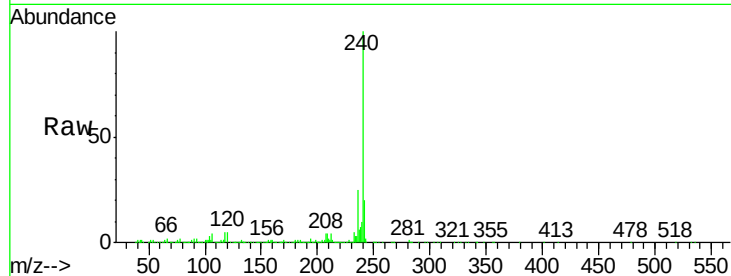




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.87 min Scan# 3240
Delta R.T. -0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

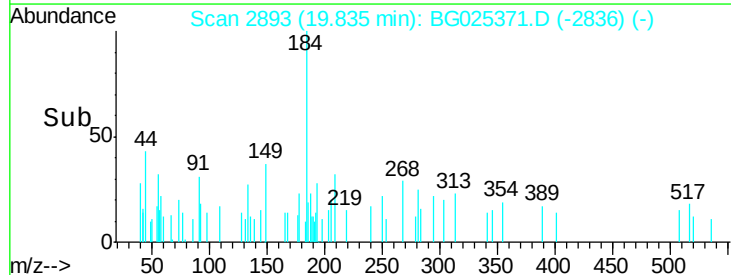
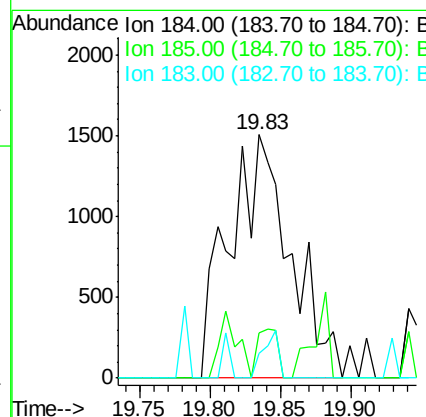
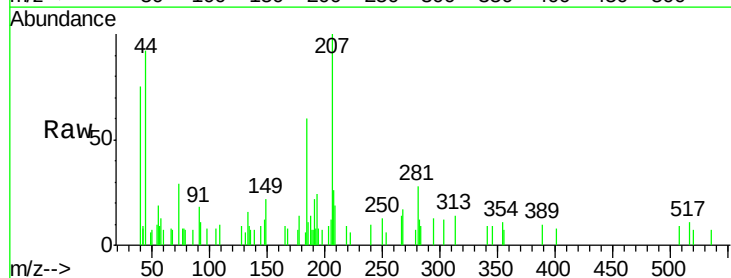
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

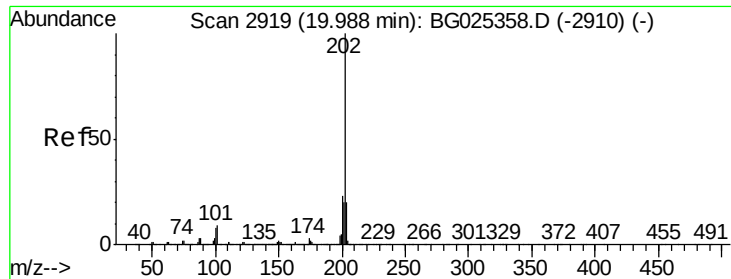
Tgt Ion:240 Resp: 552931
Ion Ratio Lower Upper
240 100
120 5.0 5.7 8.5#
236 24.8 22.2 33.4



#76
Benzidine
Concen: 0.33 ng
RT: 19.83 min Scan# 2893
Delta R.T. 0.03 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion:184 Resp: 4563
Ion Ratio Lower Upper
184 100
185 18.5 13.0 19.6
183 10.2 11.0 16.6#





#77

Pyrene

Concen: 0.78 ng

RT: 19.99 min Scan# 2920

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

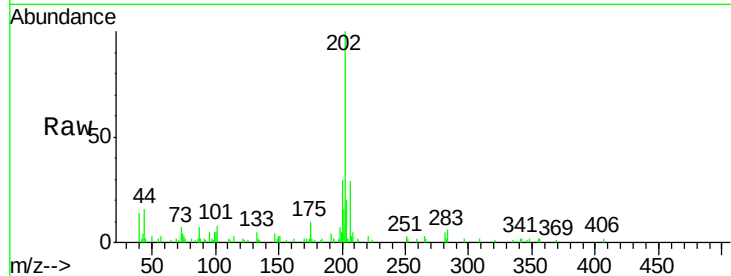
Tgt Ion:202 Resp: 22574

Ion Ratio Lower Upper

202 100

200 30.4 19.6 29.4#

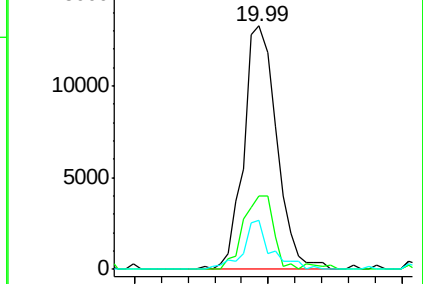
203 20.3 15.8 23.8



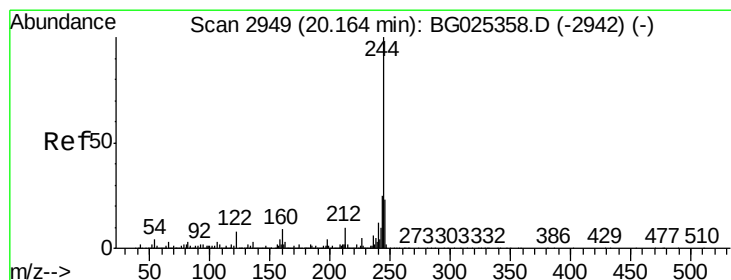
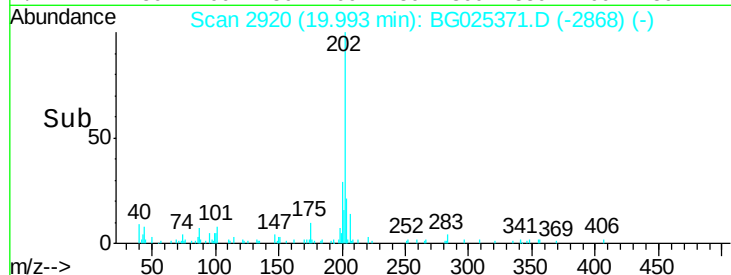
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.90 20.00



#78

Terphenyl-d14

Concen: 80.39 ng

RT: 20.16 min Scan# 2949

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

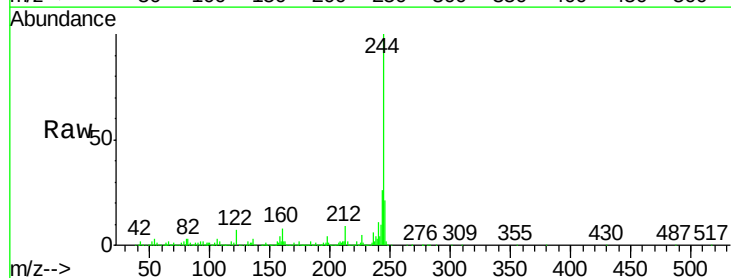
Tgt Ion:244 Resp: 1676472

Ion Ratio Lower Upper

244 100

212 9.1 10.0 15.0#

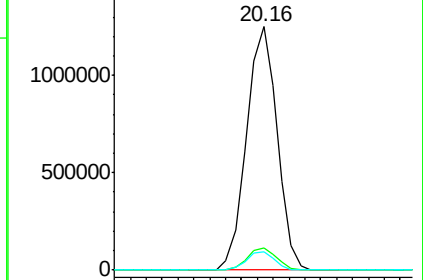
122 7.3 8.6 12.8#



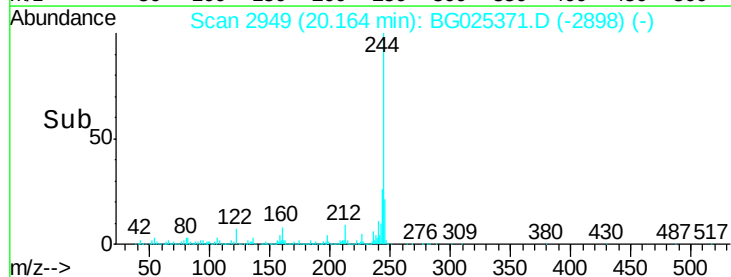
Abundance Ion 244.00 (243.70 to 244.70): E

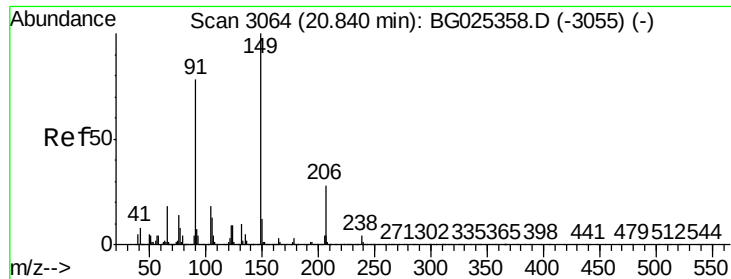
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 20.10 20.15 20.20

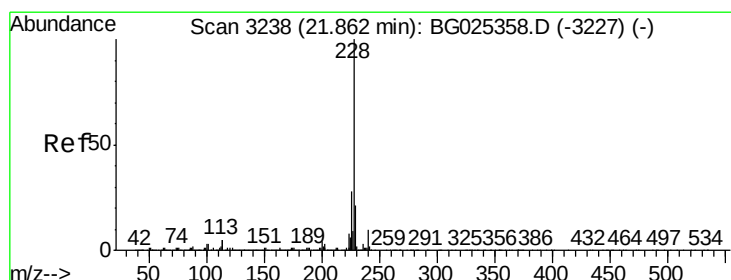
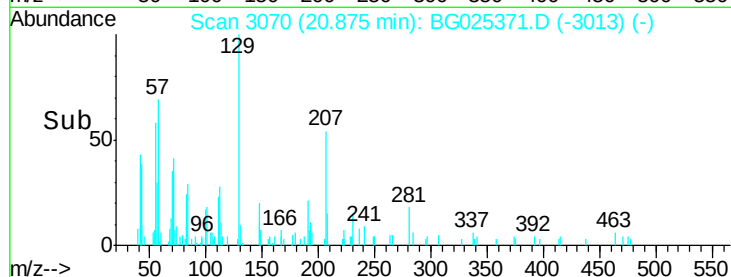
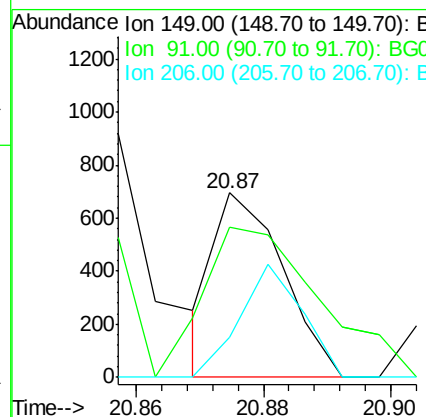
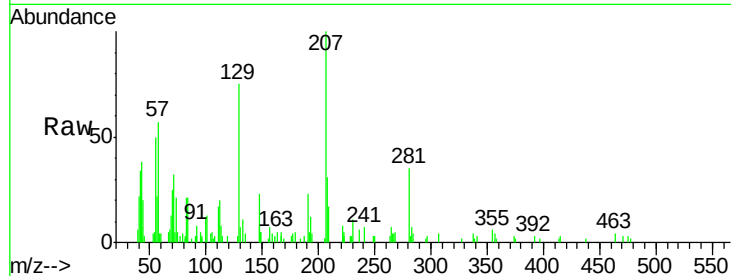




#79
Butylbenzylphthalate
Concen: 0.04 ng
RT: 20.87 min Scan# 3070
Delta R.T. 0.03 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

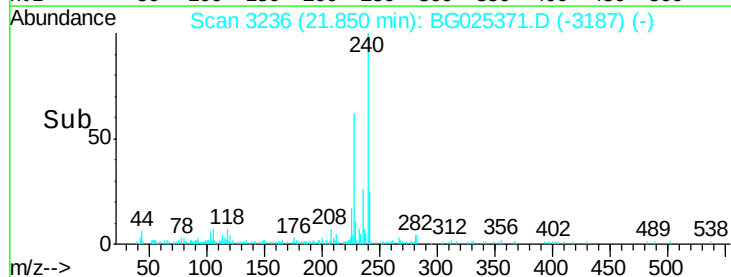
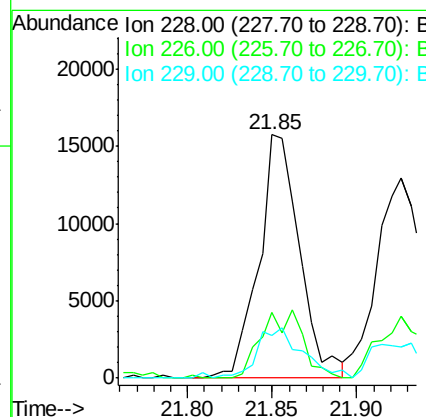
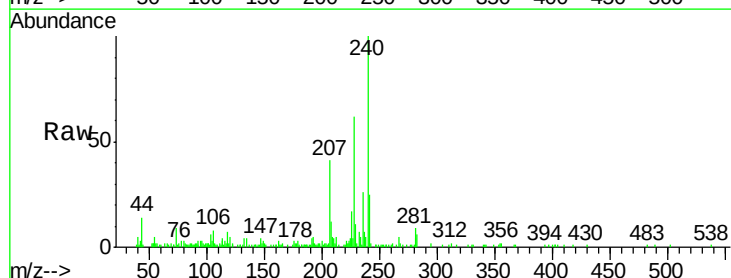
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT1-2017

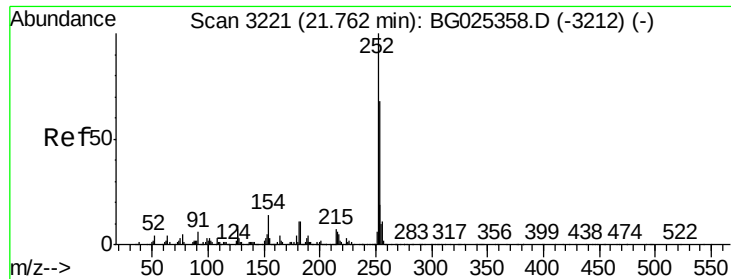
Tgt Ion:149 Resp: 513
Ion Ratio Lower Upper
149 100
91 81.6 63.5 95.3
206 21.9 21.0 31.6



#80
Benzo(a)anthracene
Concen: 0.86 ng
RT: 21.85 min Scan# 3236
Delta R.T. -0.01 min
Lab File: BG025371.D
Acq: 22 Dec 2016 00:00

Tgt Ion:228 Resp: 26432
Ion Ratio Lower Upper
228 100
226 26.9 24.9 37.3
229 17.7 18.2 27.2#

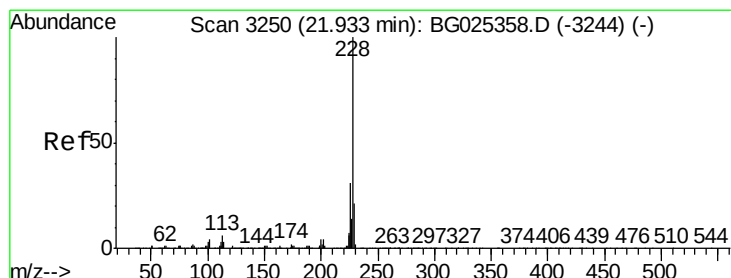
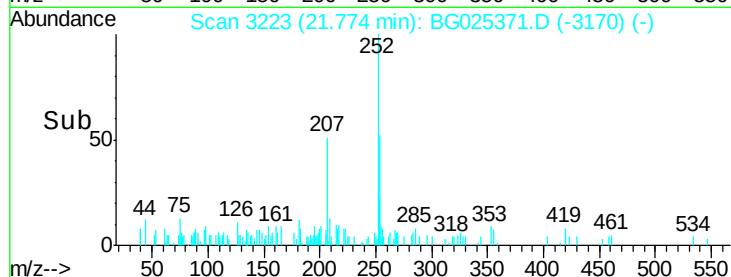
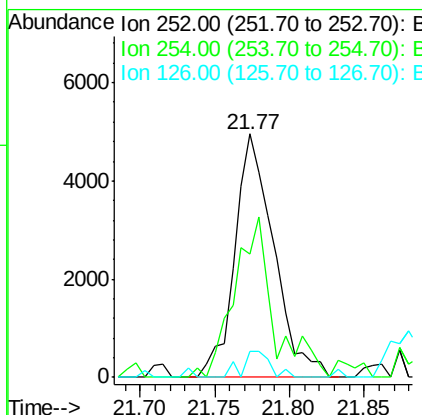
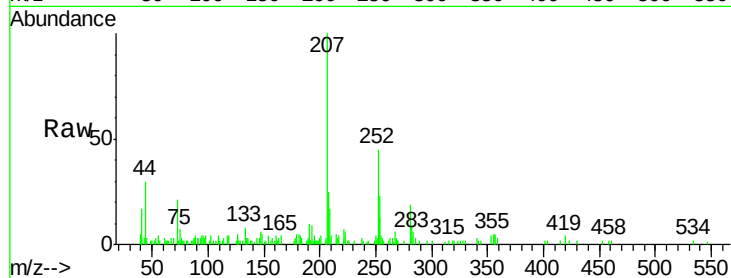




#81
 3,3'-Dichlorobenzidine
 Concen: 0.75 ng
 RT: 21.77 min Scan# 3223
 Delta R.T. 0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

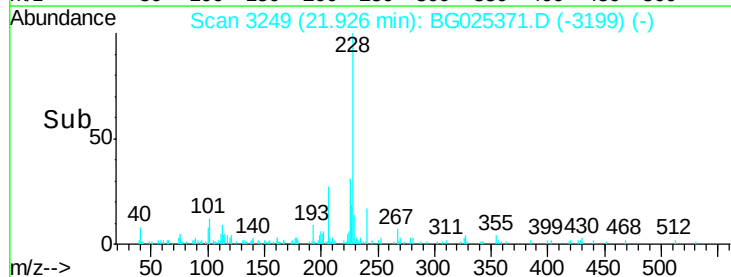
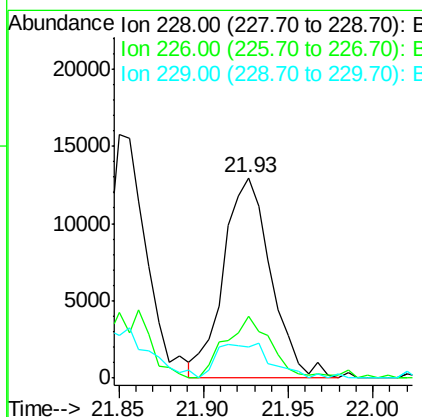
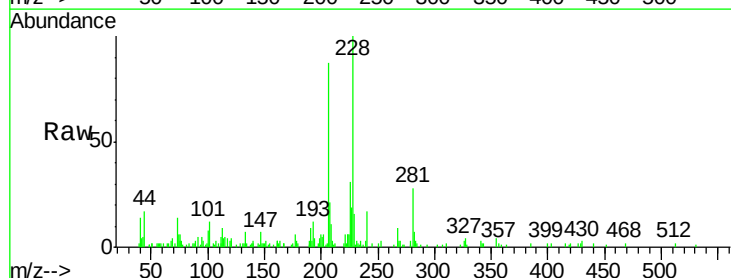
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

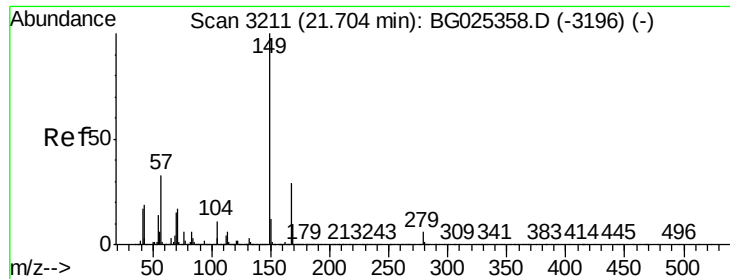
Tgt Ion: 252 Resp: 8982
 Ion Ratio Lower Upper
 252 100
 254 50.5 53.1 79.7#
 126 10.4 7.0 10.4



#82
 Chrysene
 Concen: 0.85 ng
 RT: 21.93 min Scan# 3249
 Delta R.T. -0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

Tgt Ion: 228 Resp: 25275
 Ion Ratio Lower Upper
 228 100
 226 30.8 27.0 40.4
 229 15.6 17.8 26.6#

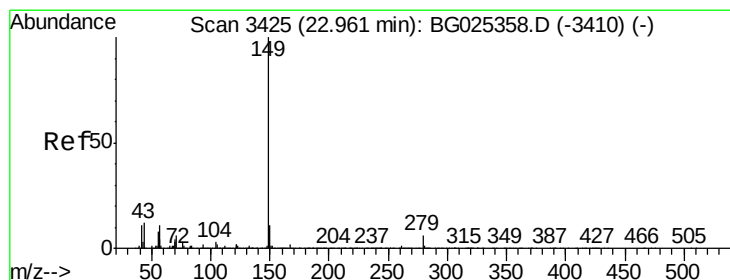
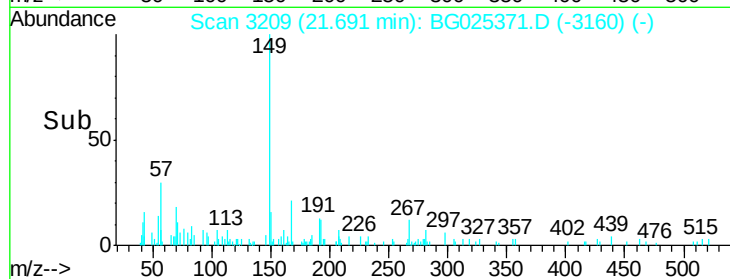
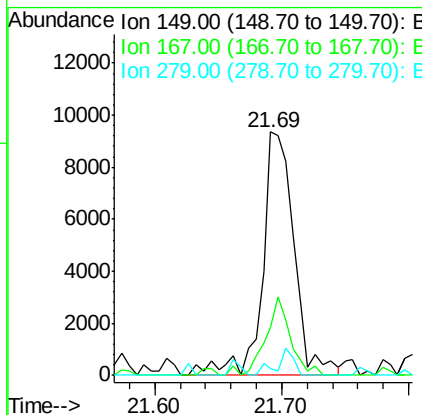
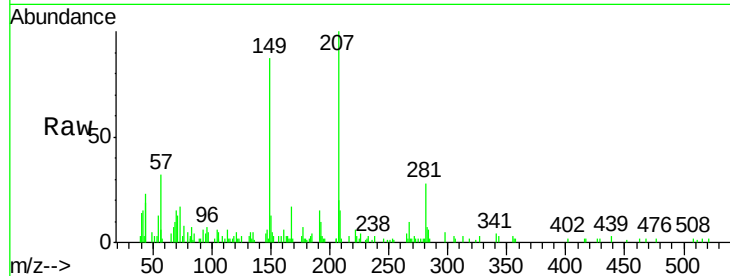




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.00 ng
 RT: 21.69 min Scan# 3209
 Delta R.T. -0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

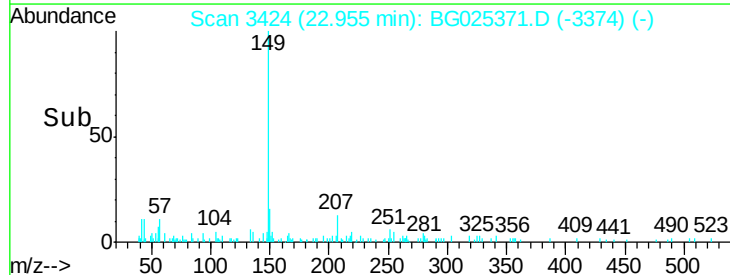
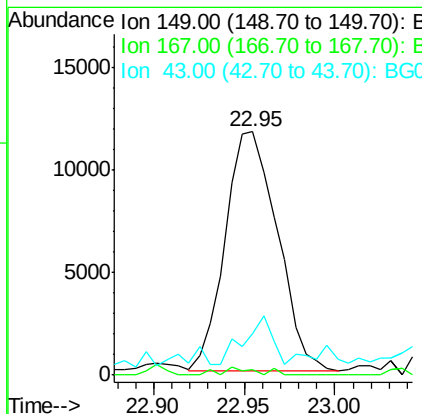
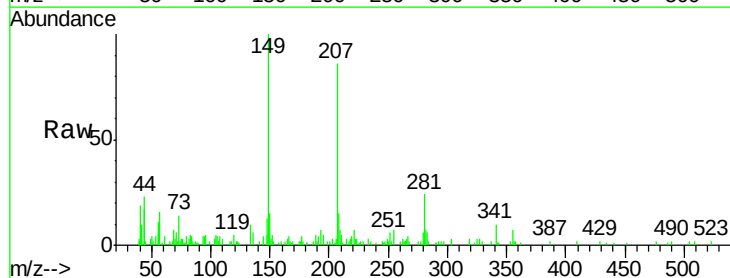
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

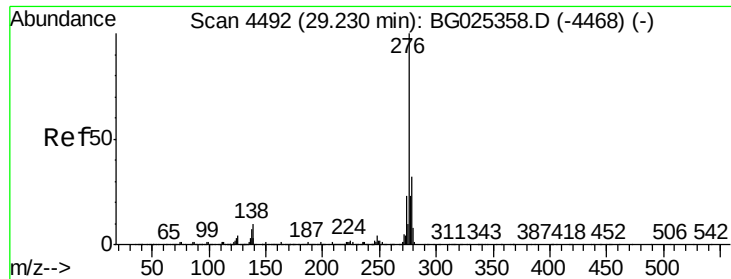
Tgt Ion:149 Resp: 16215
 Ion Ratio Lower Upper
 149 100
 167 19.8 23.7 35.5#
 279 2.9 4.6 6.8#



#84
 Di-n-octyl phthalate
 Concen: 0.88 ng
 RT: 22.95 min Scan# 3424
 Delta R.T. -0.01 min
 Lab File: BG025371.D
 Acq: 22 Dec 2016 00:00

Tgt Ion:149 Resp: 23470
 Ion Ratio Lower Upper
 149 100
 167 1.8 1.4 2.2
 43 13.7 11.8 17.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 0.65 ng

RT: 29.23 min Scan# 4492

Delta R.T. -0.00 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

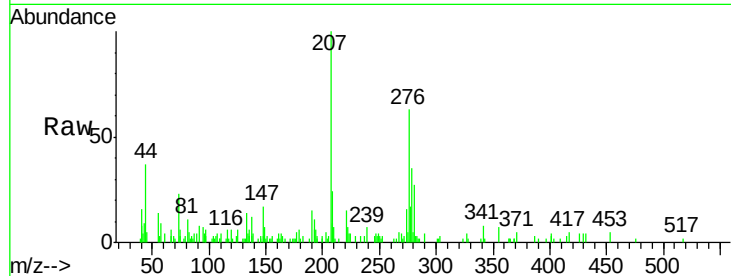
Tgt Ion:276 Resp: 24613

Ion Ratio Lower Upper

276 100

138 7.1 4.7 7.1#

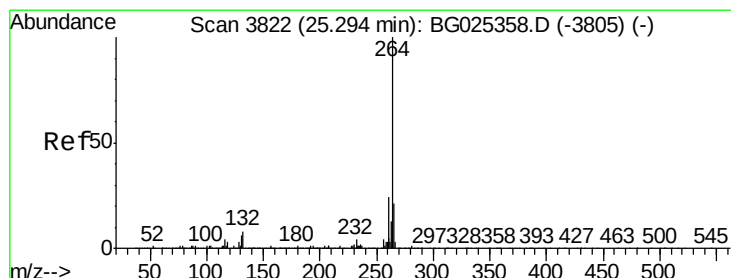
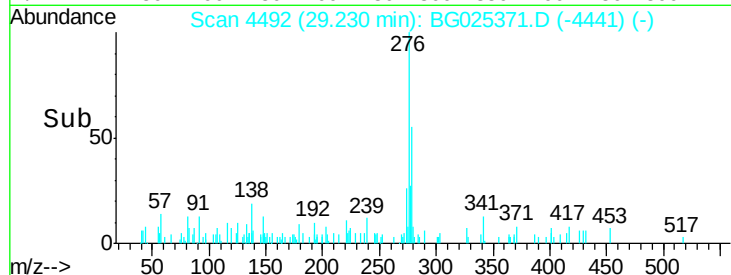
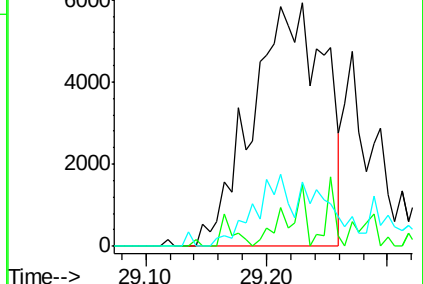
277 11.2 20.6 31.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.28 min Scan# 3820

Delta R.T. -0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

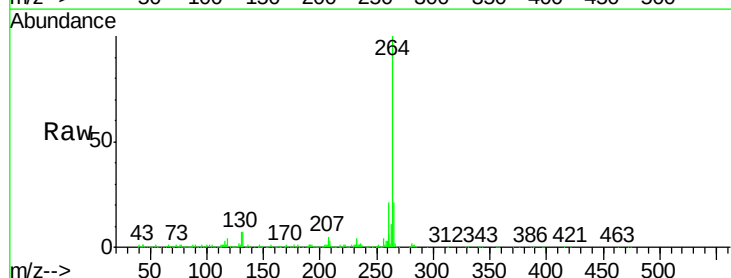
Tgt Ion:264 Resp: 572531

Ion Ratio Lower Upper

264 100

260 21.4 21.8 32.8#

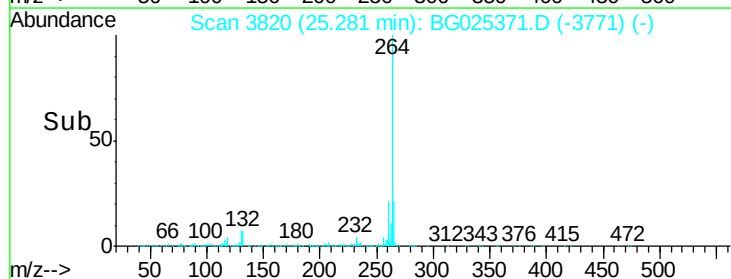
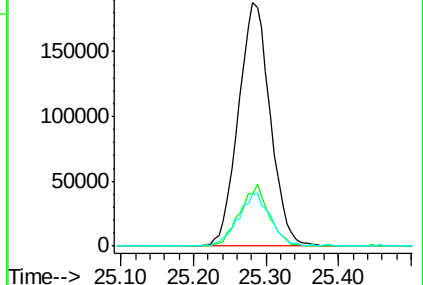
265 21.4 18.2 27.4

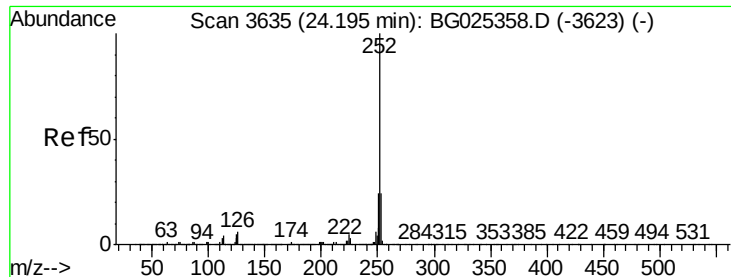


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 0.86 ng

RT: 24.20 min Scan# 3636

Delta R.T. 0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

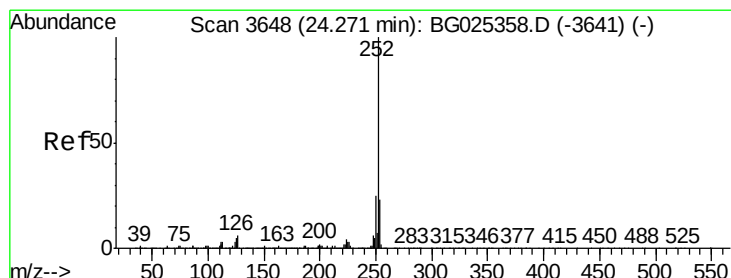
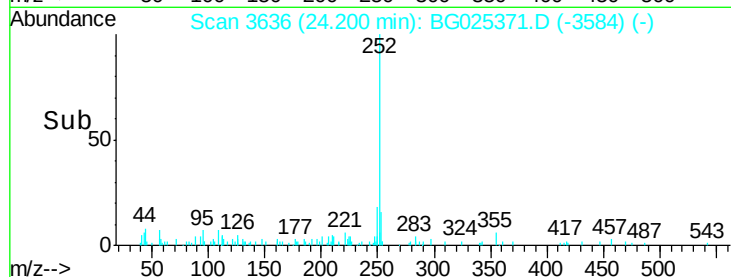
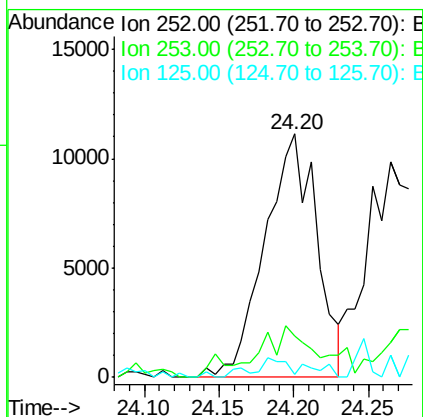
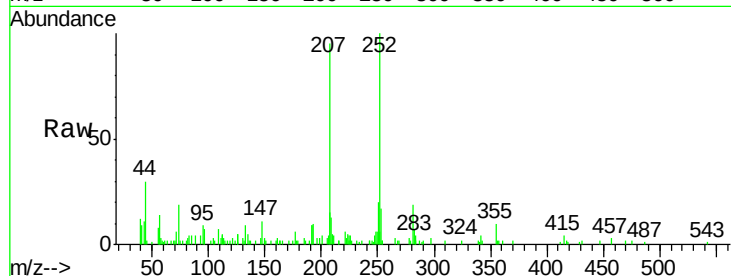
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tgt Ion:	252	Resp:	26901
Ion Ratio	Lower	Upper	
252	100		
253	17.2	18.7	28.1#
125	1.5	5.3	7.9#



#88

Benzo(k)fluoranthene

Concen: 0.87 ng

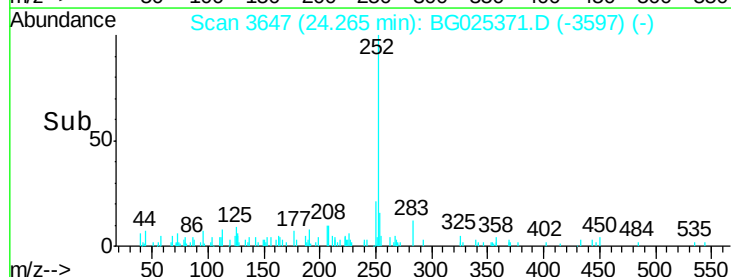
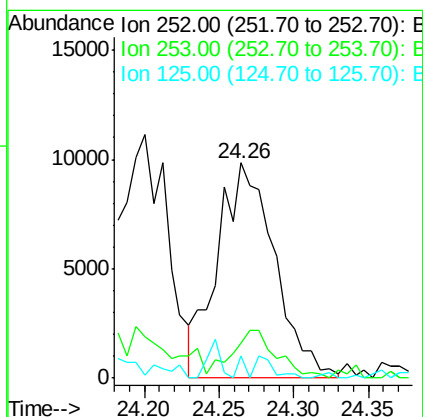
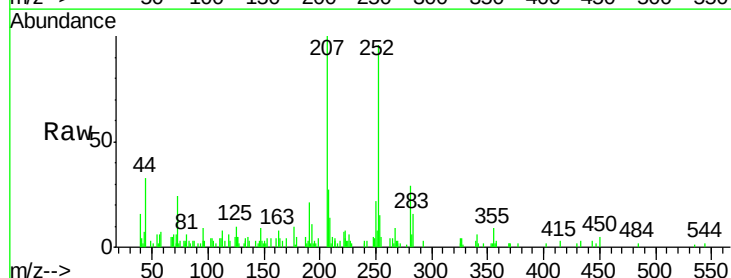
RT: 24.26 min Scan# 3647

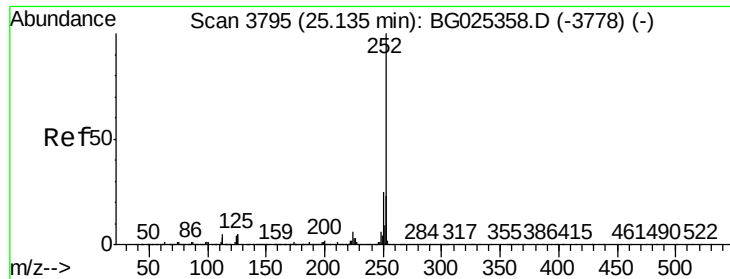
Delta R.T. -0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Tgt Ion:	252	Resp:	26215
Ion Ratio	Lower	Upper	
252	100		
253	16.0	20.2	30.2#
125	10.5	5.1	7.7#





#89

Benzo(a)pyrene

Concen: 0.80 ng

RT: 25.12 min Scan# 3792

Delta R.T. -0.02 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

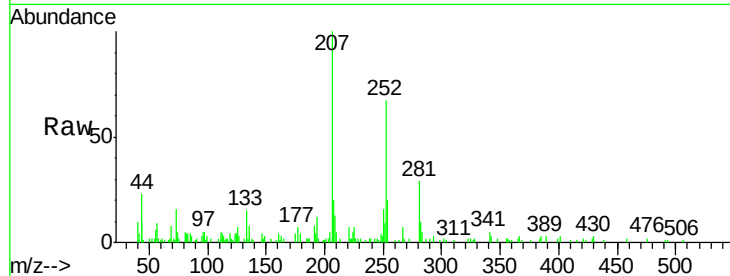
Tgt Ion:252 Resp: 24155

Ion Ratio Lower Upper

252 100

253 29.2 19.2 28.8#

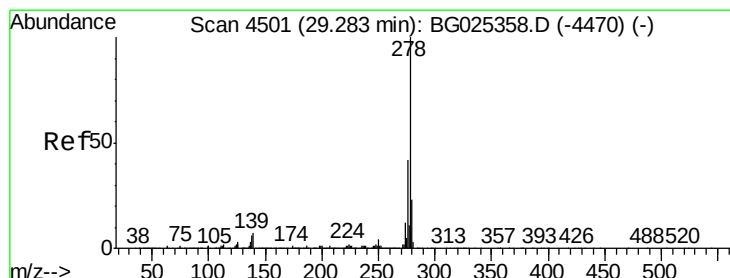
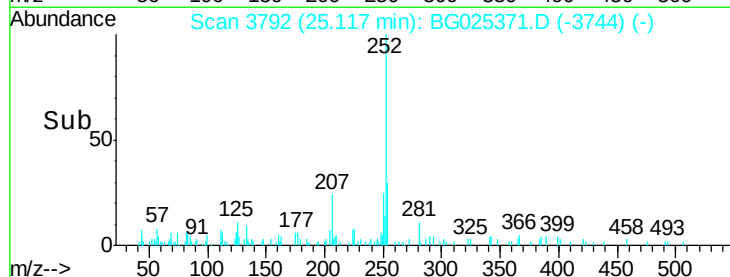
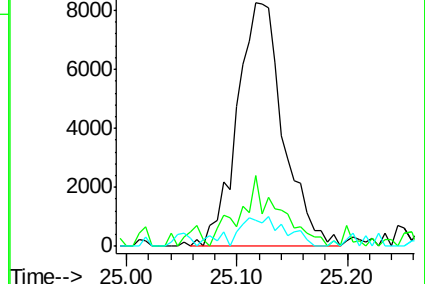
125 10.7 5.4 8.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 0.09 ng

RT: 29.28 min Scan# 4500

Delta R.T. -0.01 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

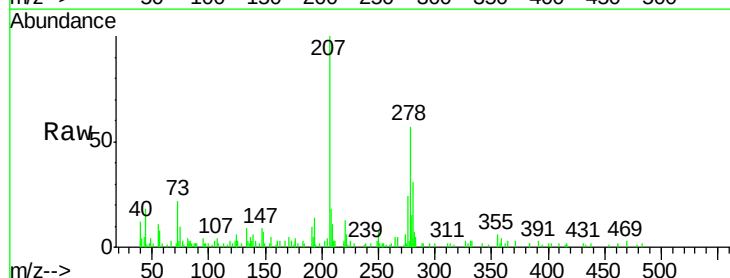
Tgt Ion:278 Resp: 3012

Ion Ratio Lower Upper

278 100

139 11.3 7.7 11.5

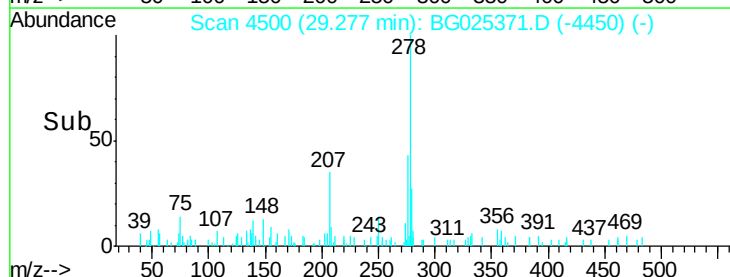
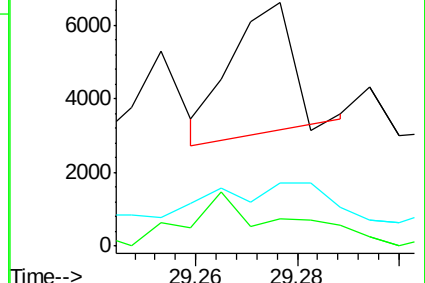
279 26.0 19.1 28.7

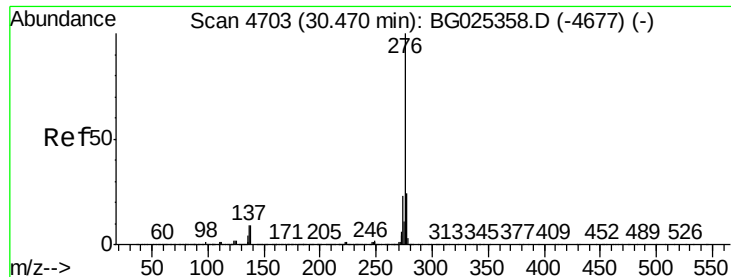


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 0.31 ng

RT: 30.45 min Scan# 4700

Delta R.T. -0.02 min

Lab File: BG025371.D

Acq: 22 Dec 2016 00:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tgt Ion: 276 Resp: 9933

Ion Ratio Lower Upper

276 100

277 21.4 18.6 27.8

138 24.8 8.1 12.1#

