

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122116\
 Data File : BG025370.D
 Acq On : 21 Dec 2016 23:21
 Operator : UM/SJ
 Sample : H6103-02
 Misc : LOQ 20 PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

Quant Time: Dec 22 02:48:56 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	49011	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	205634	20.00	ng	0.00
38) Acenaphthene-d10	14.84	164	165185	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	392120	20.00	ng	0.00
75) Chrysene-d12	21.87	240	564886	20.00	ng	0.00
86) Perylene-d12	25.28	264	598850	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.75	112	460688	170.86	ng	0.00
7) Phenol-d6	7.37	99	624321	164.40	ng	0.00
23) Nitrobenzene-d5	9.40	82	519505	111.61	ng	0.00
41) 2,4,6-Tribromophenol	16.33	330	385017	144.78	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	1107009	108.50	ng	0.00
78) Terphenyl-d14	20.16	244	2155003	101.15	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.58	88	17069	14.84	ng	# 89
3) Pyridine	4.01	79	48811	14.64	ng	# 83
4) n-Nitrosodimethylamine	3.92	42	29150	14.73	ng	# 85
6) Aniline	7.54	93	56205	10.92	ng	95
8) 2-Chlorophenol	7.77	128	50304	16.54	ng	93
9) Benzaldehyde	7.36	77	42326	15.23	ng	97
10) Phenol	7.40	94	70869	16.83	ng	89
11) bis(2-Chloroethyl)ether	7.62	93	49951	15.40	ng	97
12) 1,3-Dichlorobenzene	8.10	146	60637	16.47	ng	93
13) 1,4-Dichlorobenzene	8.25	146	58557	15.35	ng	93
14) 1,2-Dichlorobenzene	8.57	146	58269	16.01	ng	93
15) Benzyl Alcohol	8.46	79	56487	15.58	ng	# 86
16) 2,2'-oxybis(1-Chloropropan	8.73	45	98858	16.46	ng	84
17) 2-Methylphenol	8.66	107	48659	17.60	ng	94
18) Hexachloroethane	9.30	117	21857	14.92	ng	# 73
19) n-Nitroso-di-n-propylamine	9.01	70	50013	15.59	ng	# 97
20) 3+4-Methylphenols	9.00	107	65574	17.14	ng	97
22) Acetophenone	9.05	105	92380	16.17	ng	# 94
24) Nitrobenzene	9.44	77	79805	15.63	ng	94
25) Isophorone	9.95	82	132862	15.76	ng	95
26) 2-Nitrophenol	10.15	139	30266	15.50	ng	93
27) 2,4-Dimethylphenol	10.20	122	55183	17.19	ng	96
28) bis(2-Chloroethoxy)methane	10.42	93	66072	15.10	ng	98
29) 2,4-Dichlorophenol	10.71	162	56850	16.55	ng	89
30) 1,2,4-Trichlorobenzene	10.90	180	63729	15.36	ng	95
31) Naphthalene	11.09	128	159801	15.56	ng	96
32) Benzoic acid	10.31	122	28552	11.06	ng	99
33) 4-Chloroaniline	11.21	127	37083	8.59	ng	# 95
34) Hexachlorobutadiene	11.35	225	55611	16.42	ng	92
35) Caprolactam	11.97	113	18589	14.40	ng	95
36) 4-Chloro-3-methylphenol	12.32	107	67043	15.81	ng	98
37) 2-Methylnaphthalene	12.68	142	115521	15.18	ng	87
39) 1,2,4,5-Tetrachlorobenzene	13.04	216	85270	15.64	ng	# 97
40) Hexachlorocyclopentadiene	13.00	237	15065	15.27	ng	87

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 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Dec 22 02:48:56 2016
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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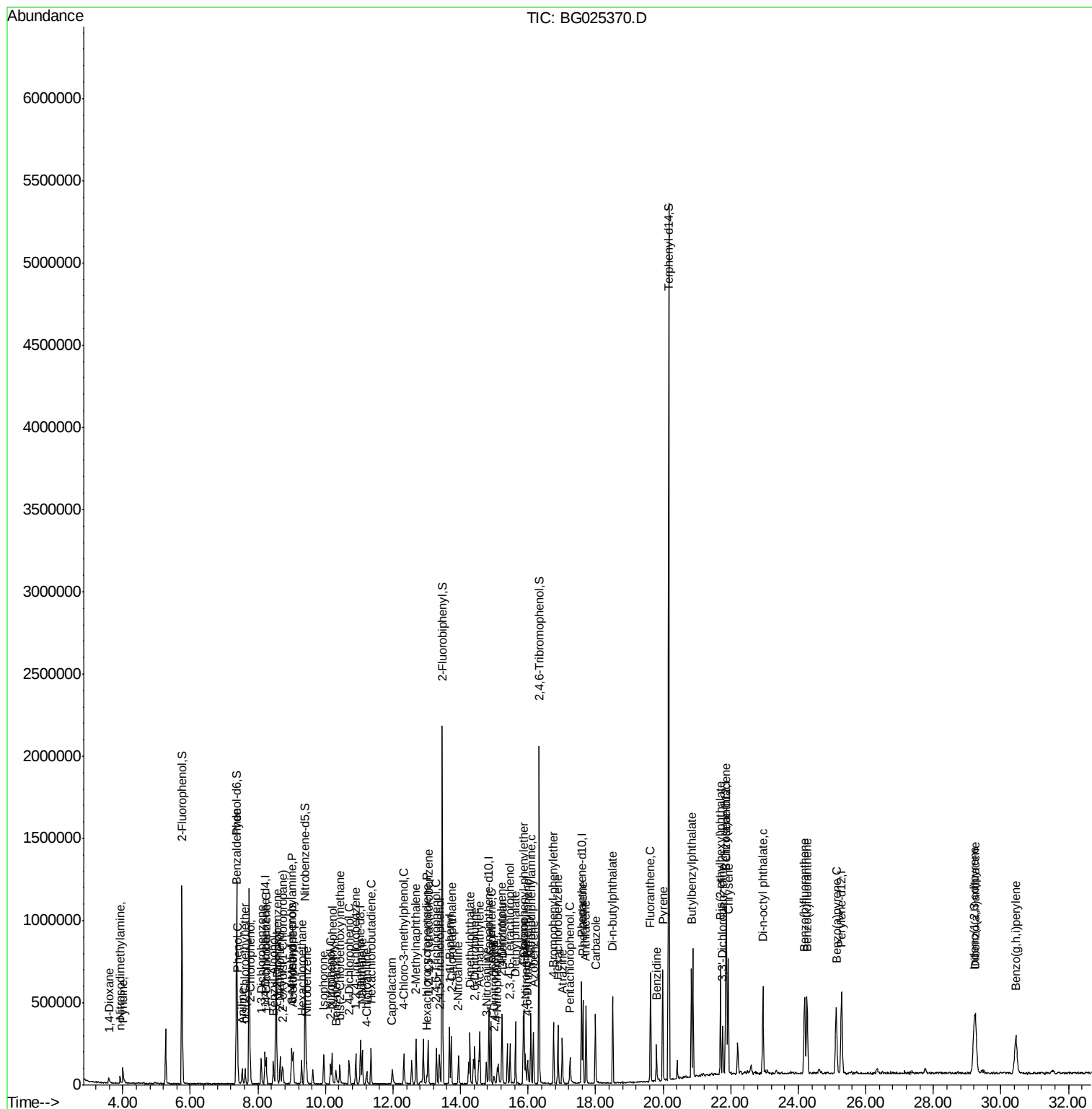
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.28	196	53439	15.56	ng	91
43) 2,4,5-Trichlorophenol	13.37	196	53114	14.78	ng	91
45) 1,1'-Biphenyl	13.67	154	181413	16.33	ng	94
46) 2-Chloronaphthalene	13.73	162	136115	15.68	ng	93
47) 2-Nitroaniline	13.94	65	58207	15.89	ng	95
48) Acenaphthylene	14.57	152	213457	15.87	ng	95
49) Dimethylphthalate	14.28	163	188701	15.67	ng	# 93
50) 2,6-Dinitrotoluene	14.42	165	37857	14.39	ng	90
51) Acenaphthene	14.90	154	137498	15.63	ng	95
52) 3-Nitroaniline	14.77	138	28827	11.40	ng	99
53) 2,4-Dinitrophenol	14.99	184	13462	12.39	ng	90
54) Dibenzofuran	15.24	168	228112	16.40	ng	94
55) 4-Nitrophenol	15.09	139	25743	13.63	ng	# 87
56) 2,4-Dinitrotoluene	15.22	165	59644	15.57	ng	# 82
57) Fluorene	15.88	166	185178	15.90	ng	96
58) 2,3,4,6-Tetrachlorophenol	15.47	232	57770	15.00	ng	95
59) Diethylphthalate	15.62	149	193362	15.31	ng	93
60) 4-Chlorophenyl-phenylether	15.86	204	99889	15.13	ng	98
61) 4-Nitroaniline	15.92	138	41515	16.31	ng	92
62) Azobenzene	16.16	77	191409	15.72	ng	97
64) 4,6-Dinitro-2-methylphenol	15.98	198	38565	14.20	ng	96
65) n-Nitrosodiphenylamine	16.08	169	167415	15.80	ng	96
66) 4-Bromophenyl-phenylether	16.76	248	74840	15.47	ng	95
67) Hexachlorobenzene	16.88	284	84310	15.19	ng	# 88
68) Atrazine	17.02	200	55922	12.04	ng	96
69) Pentachlorophenol	17.24	266	36777	12.78	ng	92
70) Phenanthrene	17.63	178	320648	15.87	ng	92
71) Anthracene	17.72	178	317672	15.47	ng	96
72) Carbazole	18.00	167	286499	15.60	ng	# 94
73) Di-n-butylphthalate	18.50	149	356385	15.77	ng	97
74) Fluoranthene	19.62	202	442314	16.57	ng	93
76) Benzidine	19.80	184	137390	9.75	ng	97
77) Pyrene	19.99	202	463824	15.71	ng	93
79) Butylbenzylphthalate	20.83	149	188877	15.93	ng	96
80) Benzo(a)anthracene	21.86	228	505033	16.03	ng	96
81) 3,3'-Dichlorobenzidine	21.76	252	114473	9.35	ng	94
82) Chrysene	21.93	228	493694	16.34	ng	94
83) Bis(2-ethylhexyl)phthalate	21.70	149	265155	16.07	ng	96
84) Di-n-octyl phthalate	22.96	149	441361	16.12	ng	96
85) Indeno(1,2,3-cd)pyrene	29.21	276	606405	15.79	ng	# 58
87) Benzo(b)fluoranthene	24.19	252	524029	16.04	ng	# 96
88) Benzo(k)fluoranthene	24.26	252	494450	15.67	ng	# 98
89) Benzo(a)pyrene	25.12	252	504846	16.00	ng	# 94
90) Dibenzo(a,h)anthracene	29.25	278	519052	15.52	ng	97
91) Benzo(g,h,i)perylene	30.44	276	516404	15.54	ng	95

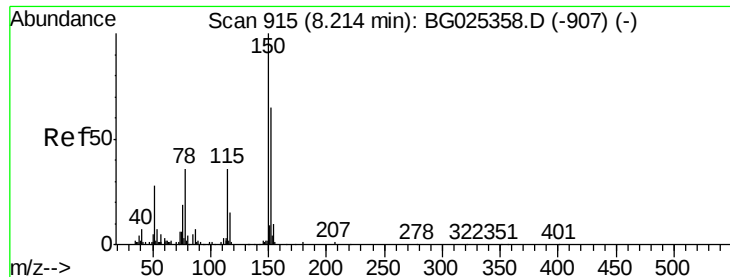
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator  : UM/SJ  
Sample    : H6103-02  
Misc      : LOQ 20 PPM  
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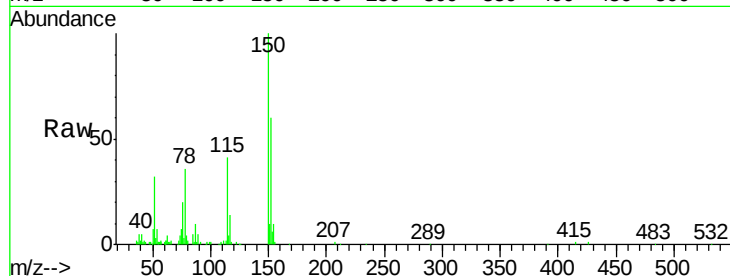


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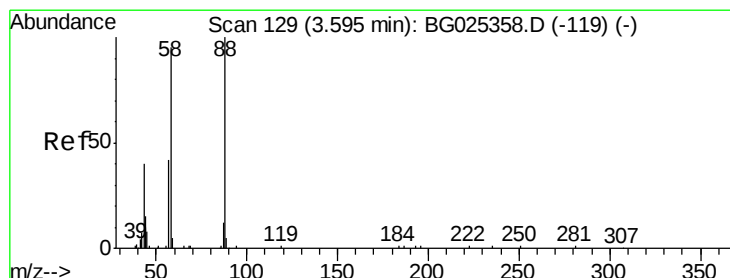
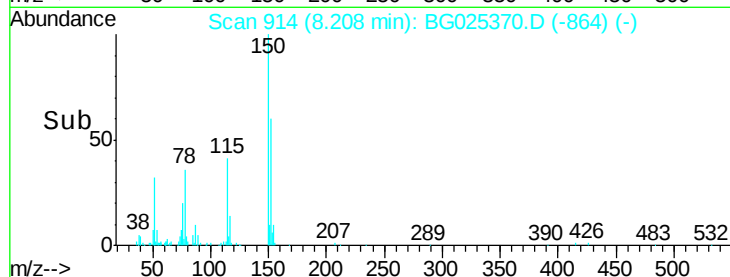
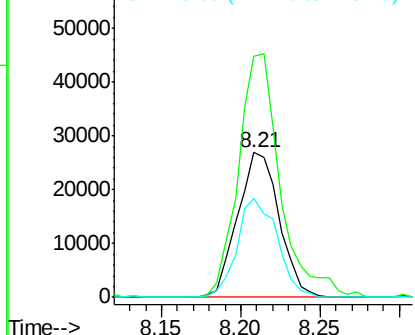
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 914
Delta R.T. -0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:152 Resp: 49011
Ion Ratio Lower Upper
152 100
150 166.7 114.0 171.0
115 68.4 48.1 72.1



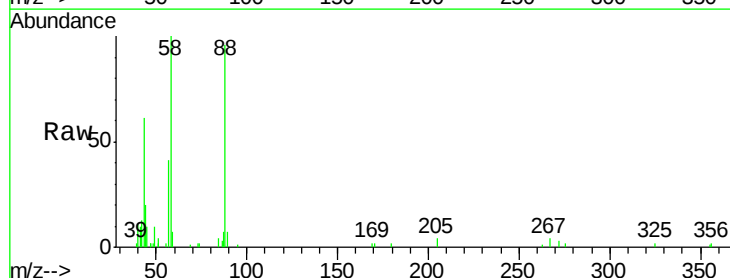
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



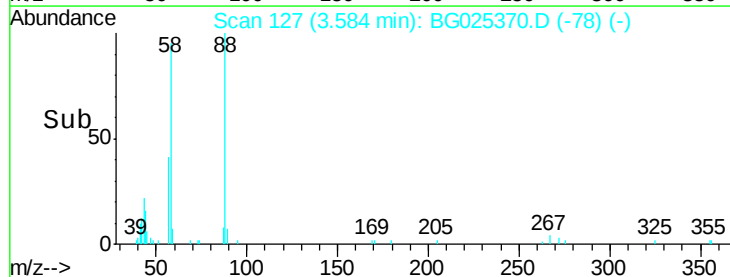
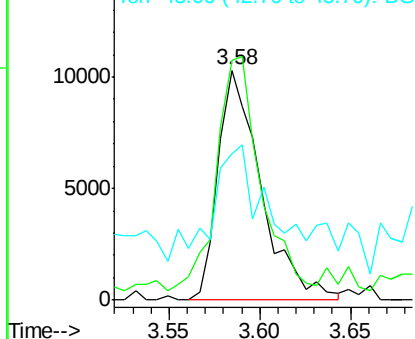
#2

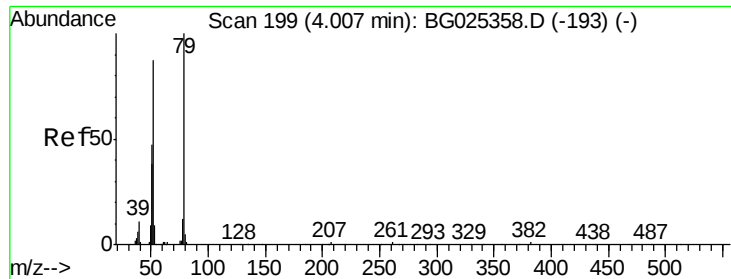
1,4-Dioxane
Concen: 14.84 ng
RT: 3.58 min Scan# 127
Delta R.T. -0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

Tgt Ion: 88 Resp: 17069
Ion Ratio Lower Upper
88 100
58 102.7 79.4 119.2
43 60.3 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: 14.64 ng

RT: 4.01 min Scan# 199

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

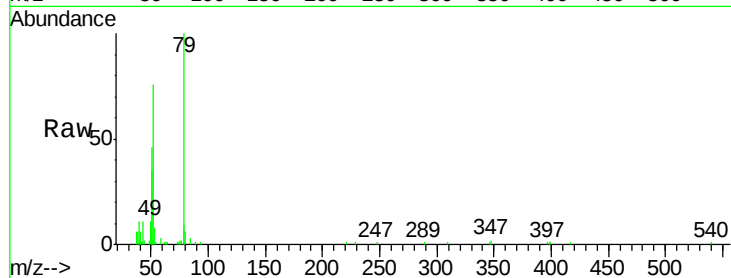
Tgt Ion: 79 Resp: 48811

Ion Ratio Lower Upper

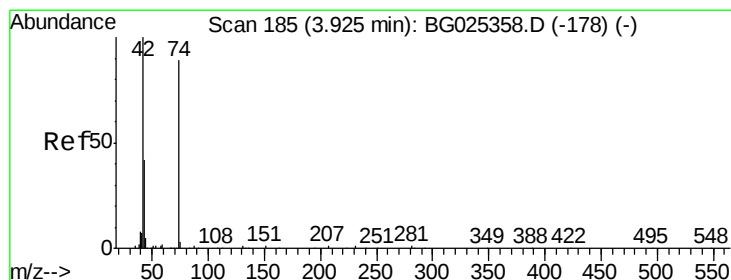
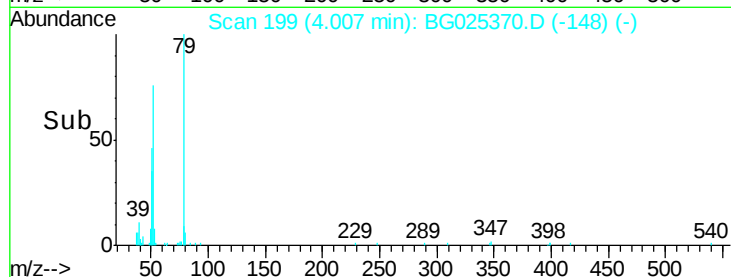
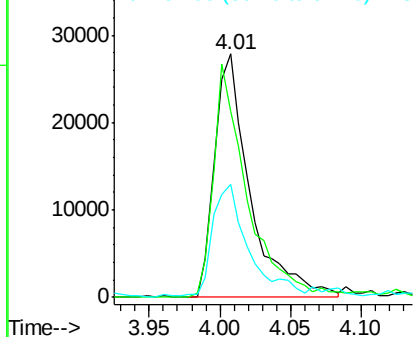
79 100

52 76.5 77.8 116.6#

51 46.4 43.2 64.8



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 14.73 ng

RT: 3.92 min Scan# 184

Delta R.T. -0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

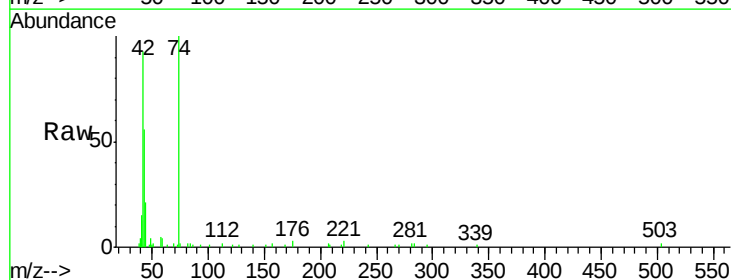
Tgt Ion: 42 Resp: 29150

Ion Ratio Lower Upper

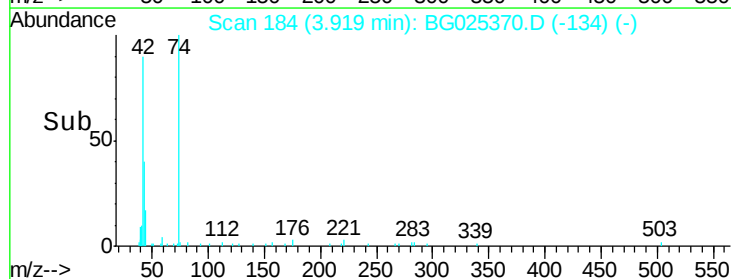
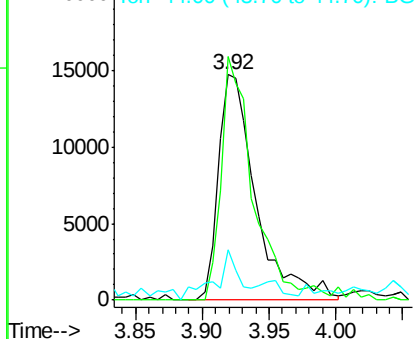
42 100

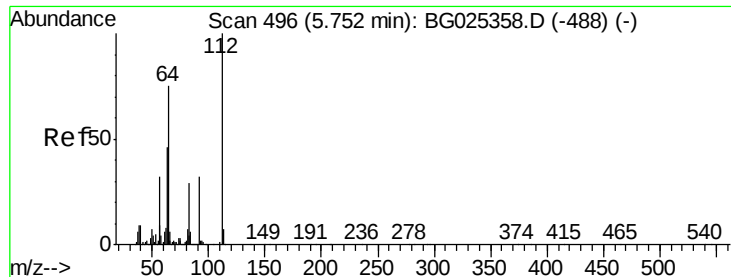
74 108.0 76.7 115.1

44 22.4 6.1 9.1#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 170.86 ng

RT: 5.75 min Scan# 496

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

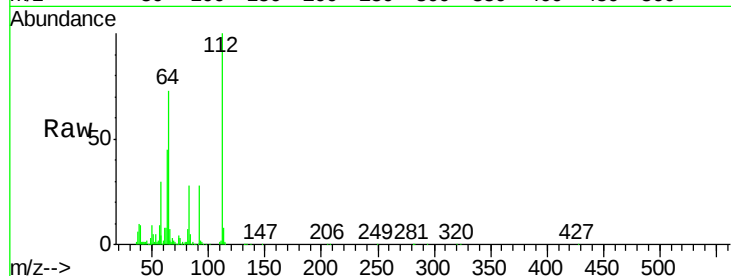
Tgt Ion:112 Resp: 460688

Ion Ratio Lower Upper

112 100

64 73.1 61.8 92.6

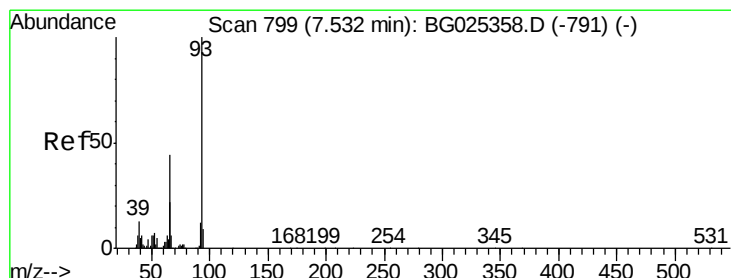
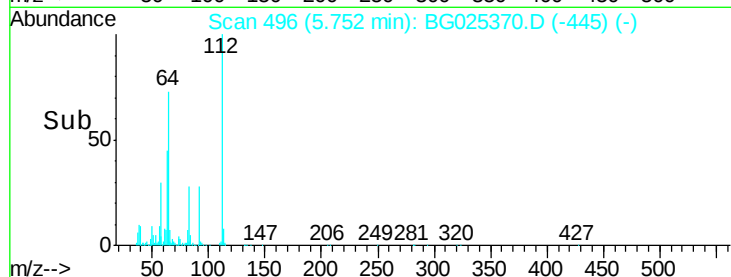
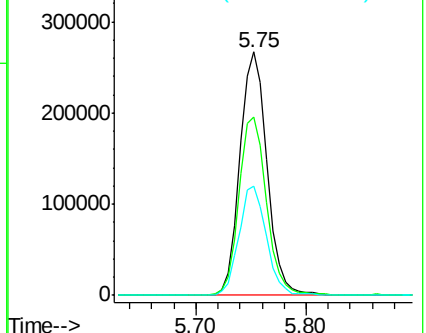
63 45.0 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 10.92 ng

RT: 7.54 min Scan# 800

Delta R.T. 0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

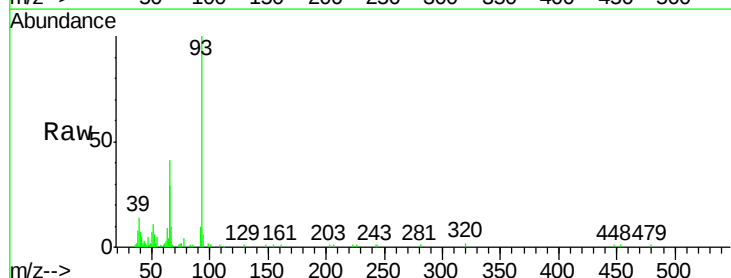
Tgt Ion: 93 Resp: 56205

Ion Ratio Lower Upper

93 100

66 41.2 35.4 53.2

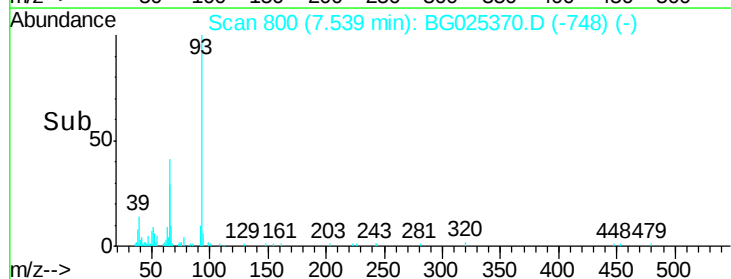
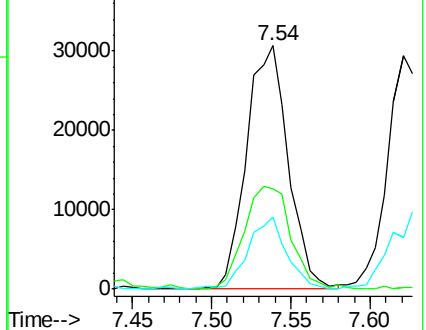
65 29.4 21.2 31.8

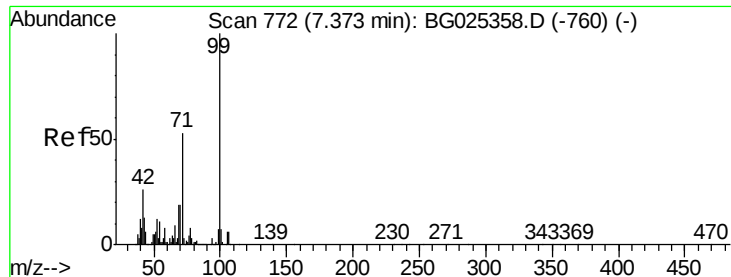


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 164.40 ng

RT: 7.37 min Scan# 772

Delta R.T. 0.00 min

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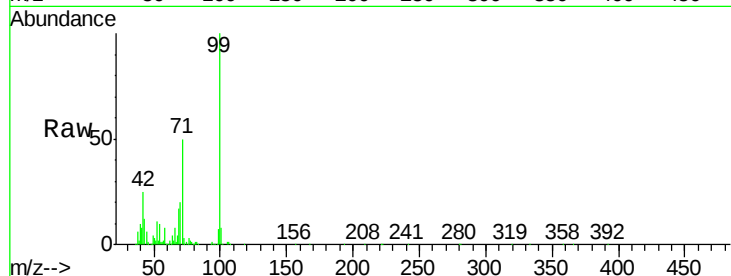
Tgt Ion: 99 Resp: 624321

Ion Ratio Lower Upper

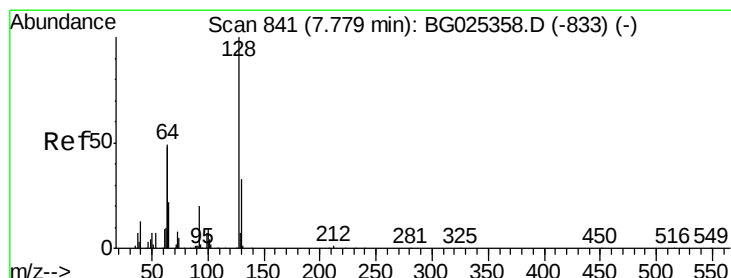
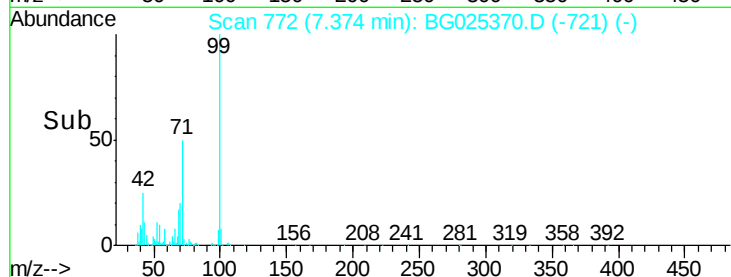
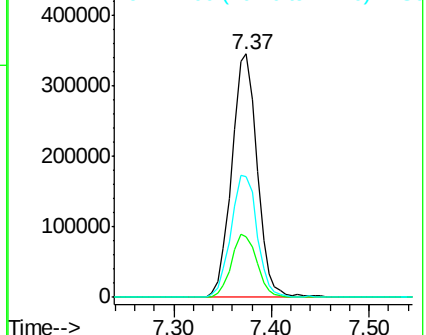
99 100

42 24.8 20.5 30.7

71 49.5 37.6 56.4



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



#8

2-Chlorophenol

Concen: 16.54 ng

RT: 7.77 min Scan# 840

Delta R.T. -0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

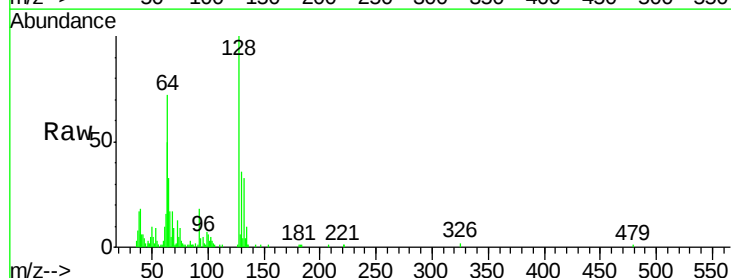
Tgt Ion: 128 Resp: 50304

Ion Ratio Lower Upper

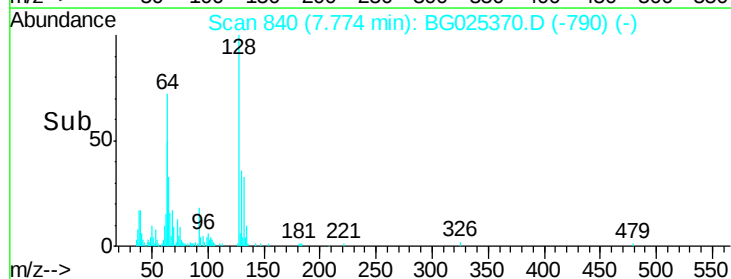
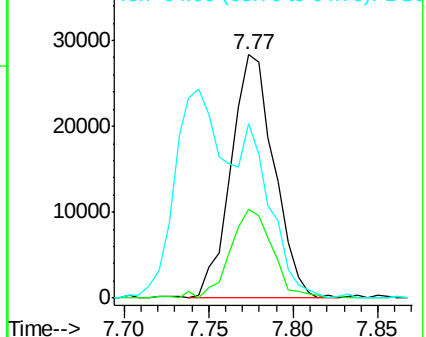
128 100

130 36.3 11.4 51.4

64 71.6 46.6 86.6



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 15.23 ng

RT: 7.36 min Scan# 769

Delta R.T. 0.00 min

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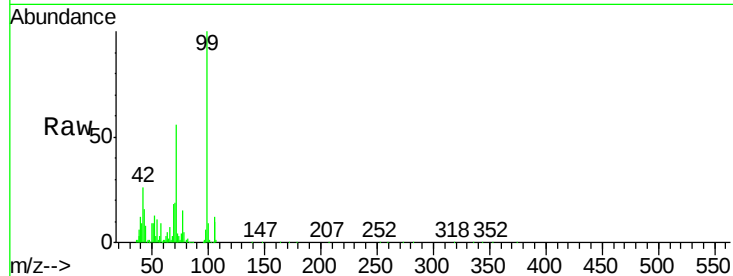
Tgt Ion: 77 Resp: 42326

Ion Ratio Lower Upper

77 100

105 81.8 60.9 100.9

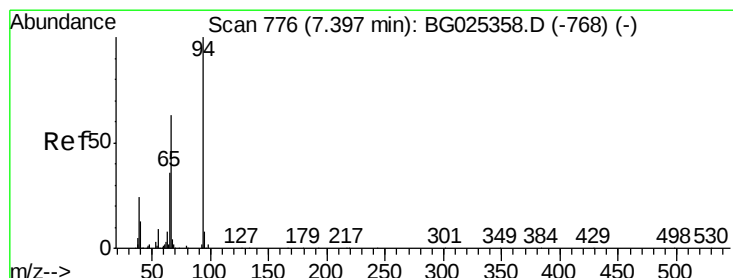
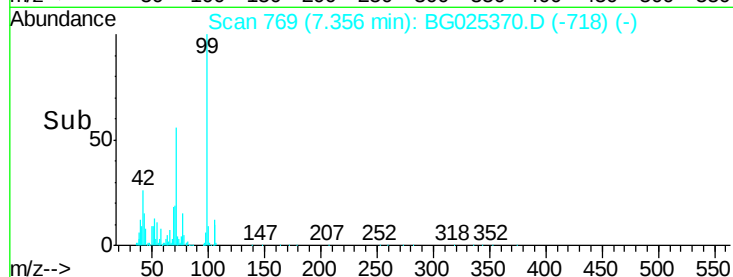
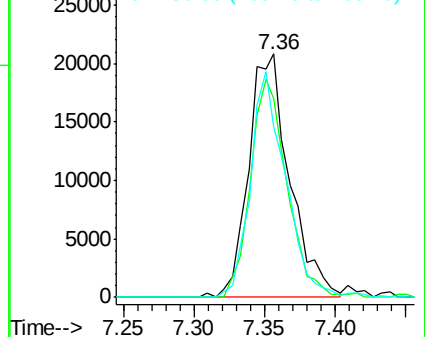
106 70.1 55.1 95.1



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 16.83 ng

RT: 7.40 min Scan# 776

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

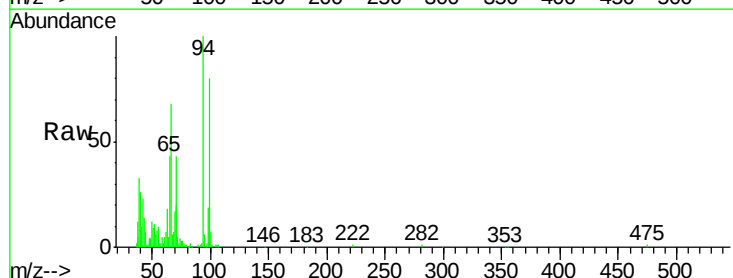
Tgt Ion: 94 Resp: 70869

Ion Ratio Lower Upper

94 100

65 43.0 20.6 60.6

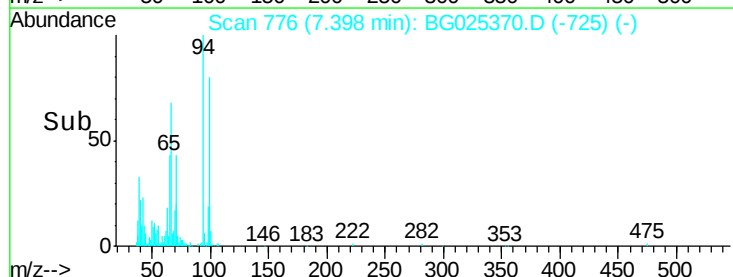
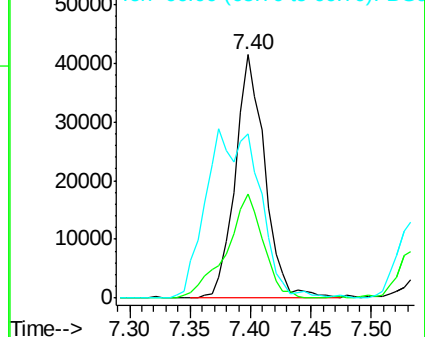
66 67.6 35.5 75.5

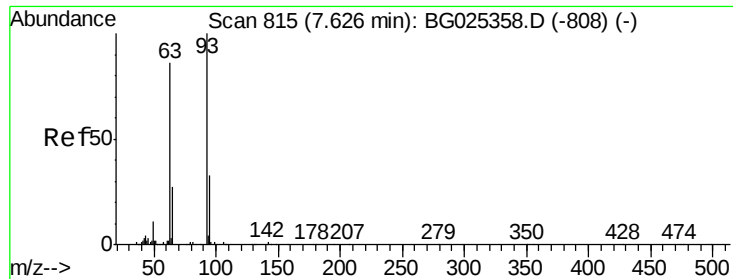


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 15.40 ng

RT: 7.62 min Scan# 814

Delta R.T. -0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

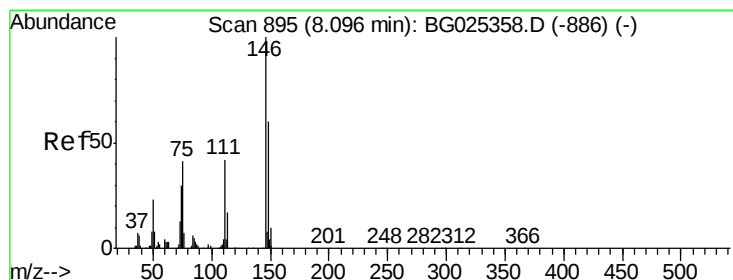
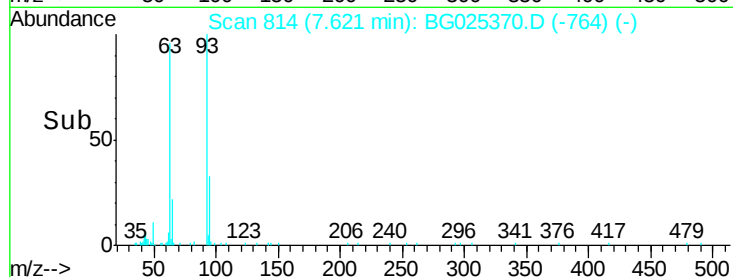
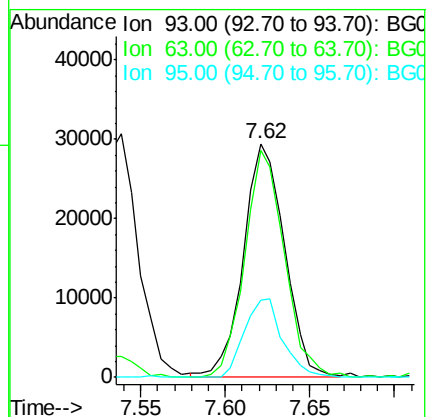
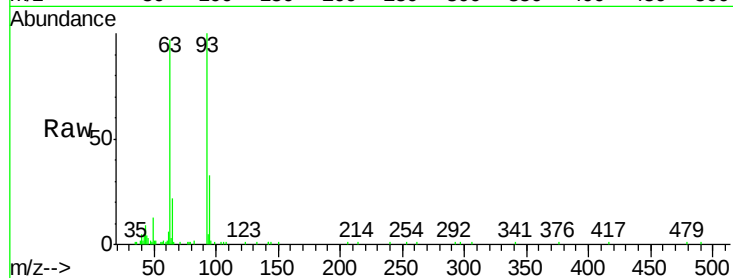
Tgt Ion: 93 Resp: 49951

Ion Ratio Lower Upper

93 100

63 97.1 78.5 118.5

95 33.2 9.8 49.8



#12

1,3-Dichlorobenzene

Concen: 16.47 ng

RT: 8.10 min Scan# 895

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

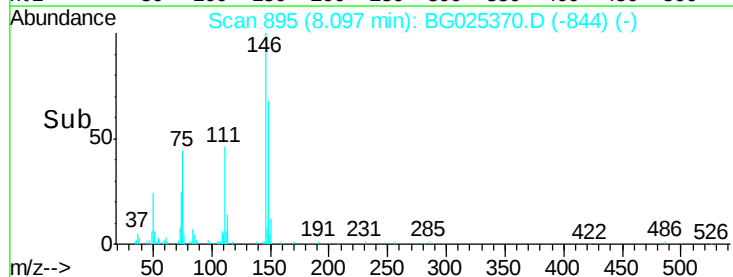
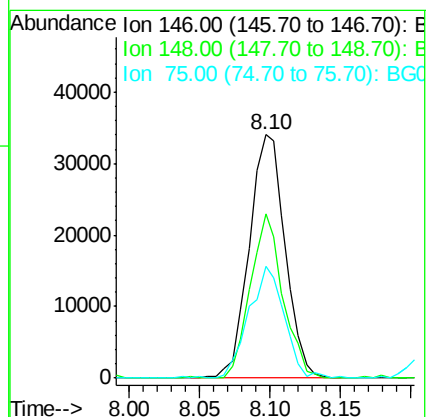
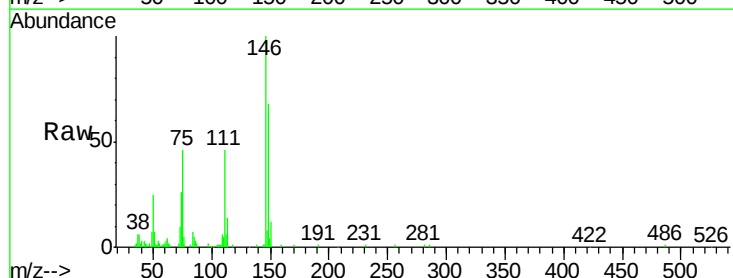
Tgt Ion: 146 Resp: 60637

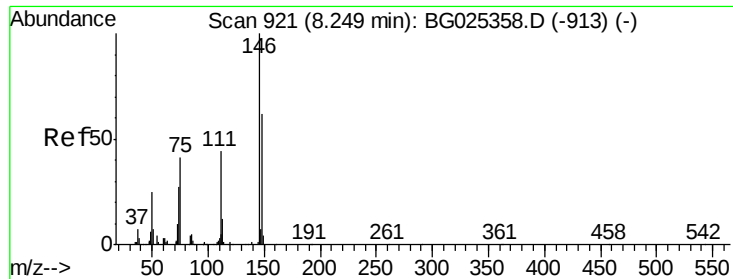
Ion Ratio Lower Upper

146 100

148 67.6 49.2 73.8

75 46.1 33.4 50.2

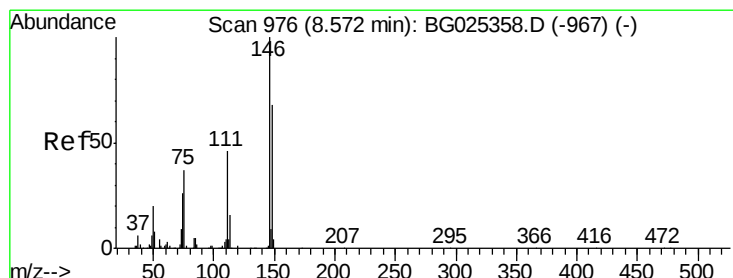
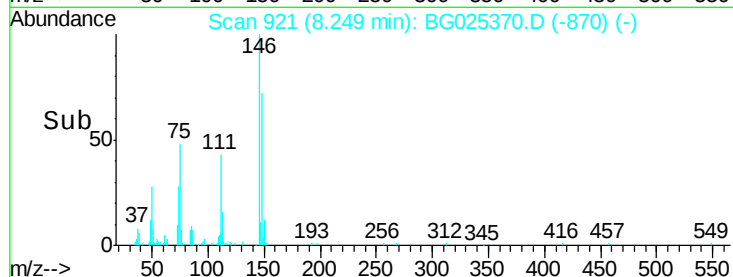
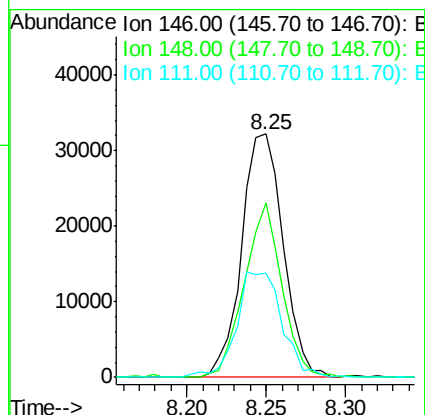
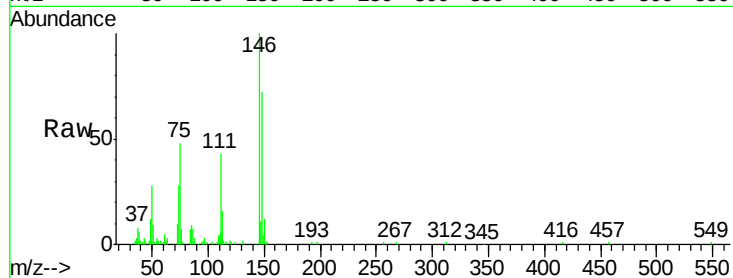




#13
 1,4-Dichlorobenzene
 Concen: 15.35 ng
 RT: 8.25 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: BG025370.D
 Acq: 21 Dec 2016 23:21

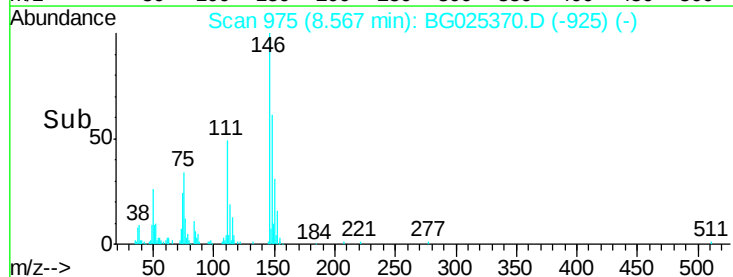
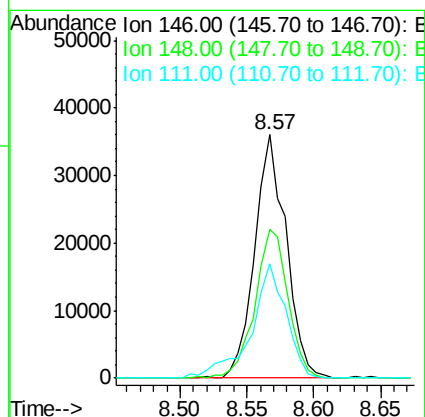
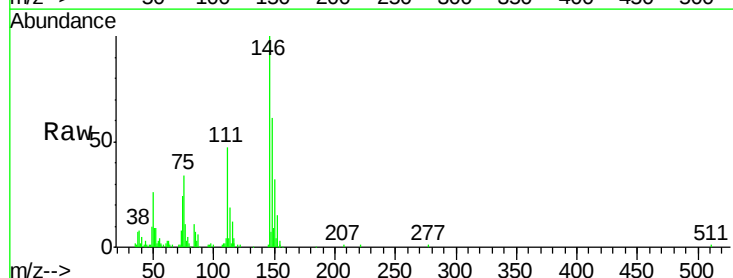
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

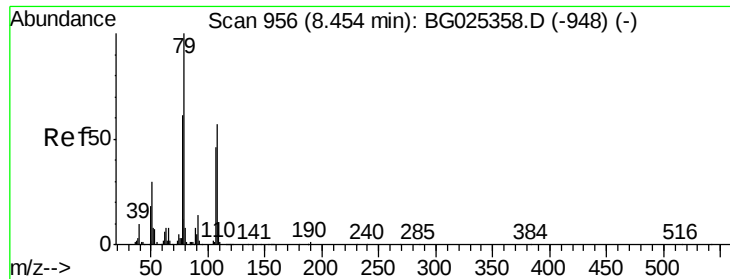
Tgt Ion:146 Resp: 58557
 Ion Ratio Lower Upper
 146 100
 148 71.8 52.2 78.2
 111 42.7 37.0 55.6



#14
 1,2-Dichlorobenzene
 Concen: 16.01 ng
 RT: 8.57 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: BG025370.D
 Acq: 21 Dec 2016 23:21

Tgt Ion:146 Resp: 58269
 Ion Ratio Lower Upper
 146 100
 148 61.1 54.6 81.8
 111 47.2 39.7 59.5





#15

Benzyl Alcohol

Concen: 15.58 ng

RT: 8.46 min Scan# 957

Delta R.T. 0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

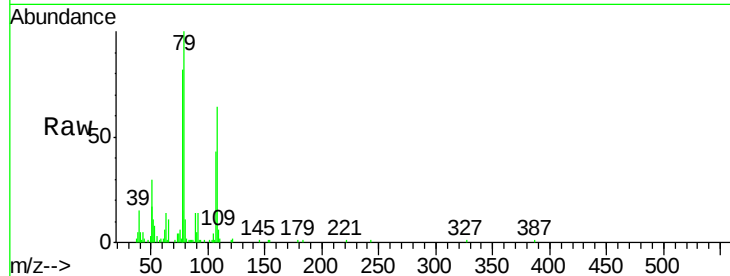
Tgt Ion: 79 Resp: 56487

Ion Ratio Lower Upper

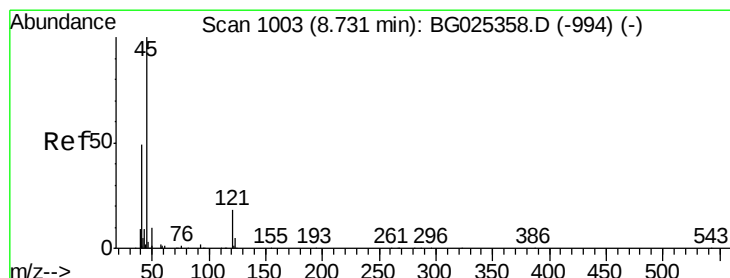
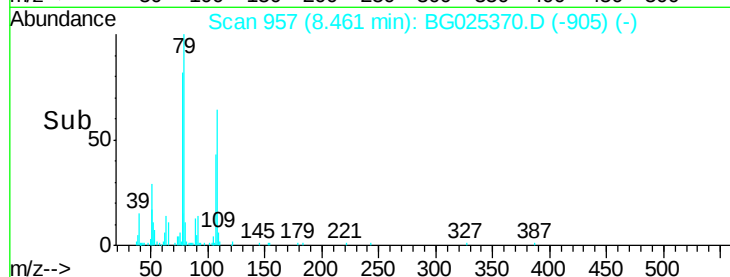
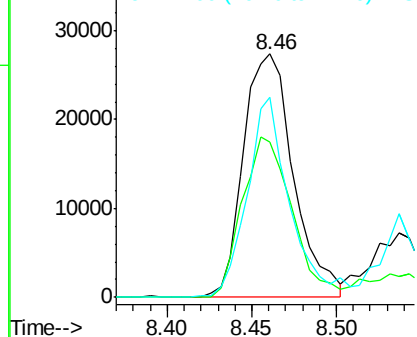
79 100

108 63.6 45.5 68.3

77 82.0 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: 16.46 ng

RT: 8.73 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

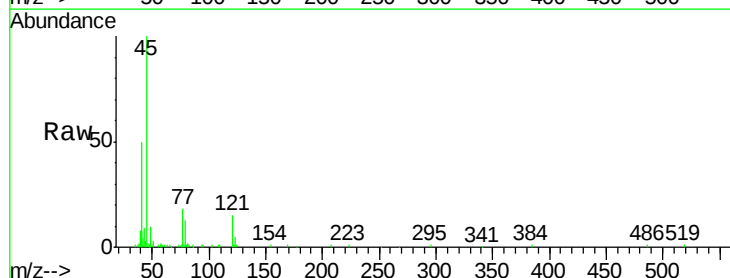
Tgt Ion: 45 Resp: 98858

Ion Ratio Lower Upper

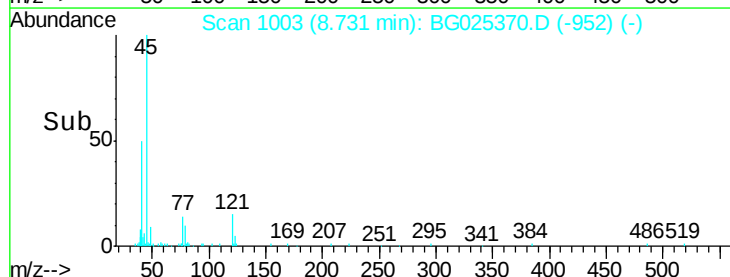
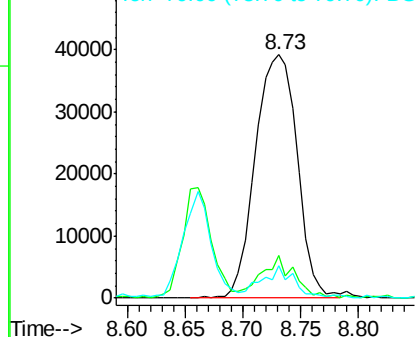
45 100

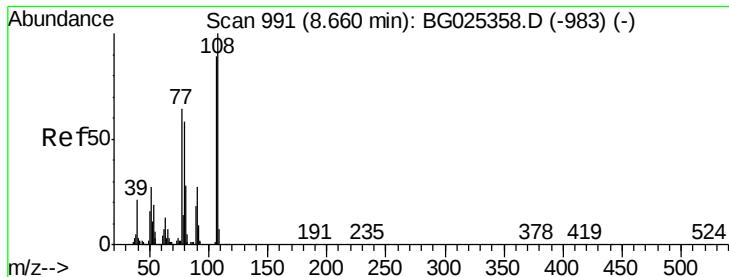
77 17.5 0.0 30.6

79 13.1 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: 17.60 ng

RT: 8.66 min Scan# 991

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tgt Ion:107 Resp: 48659

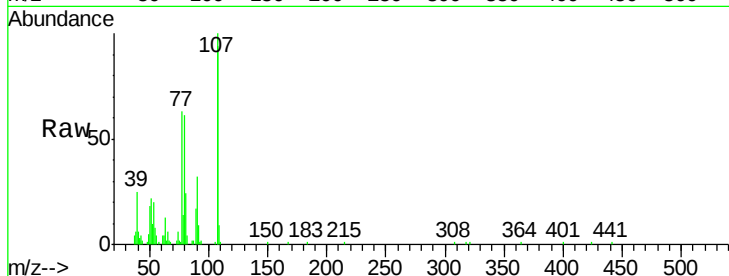
Ion Ratio Lower Upper

107 100

108 93.7 85.6 128.4

77 63.3 51.4 77.2

79 61.3 49.2 73.8



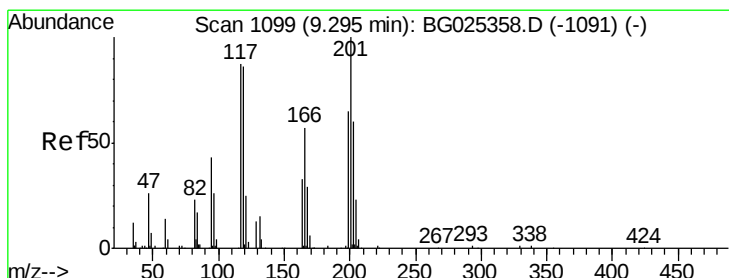
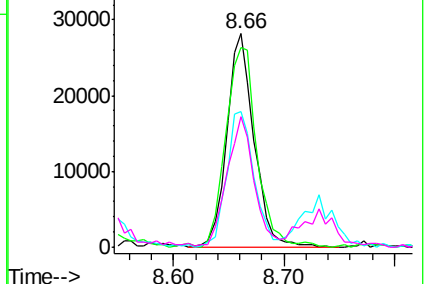
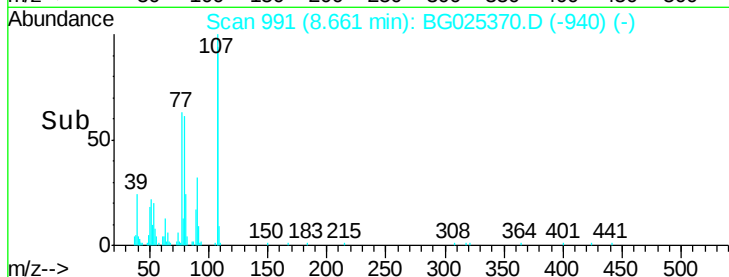
Abundance

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): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 14.92 ng

RT: 9.30 min Scan# 1099

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

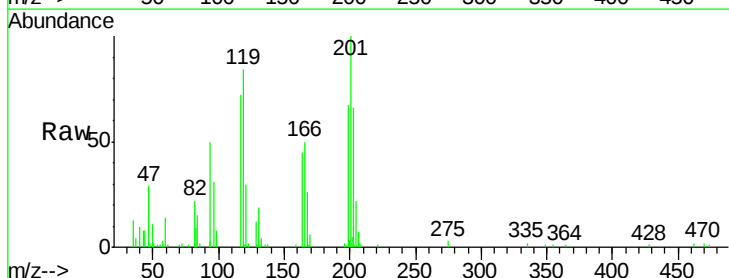
Tgt Ion:117 Resp: 21857

Ion Ratio Lower Upper

117 100

119 116.6 69.8 104.6#

201 145.4 95.4 143.0#

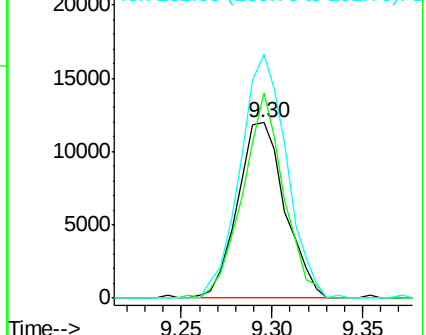
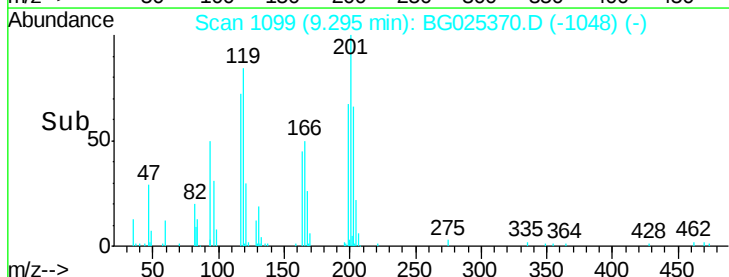


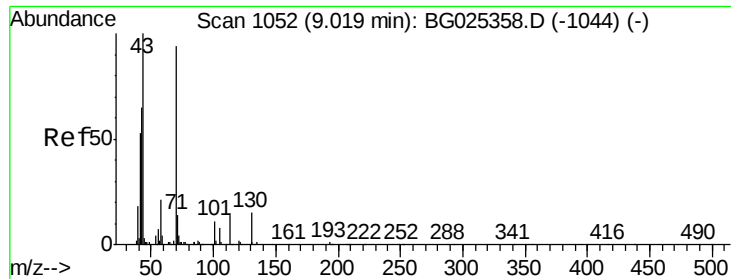
Abundance

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

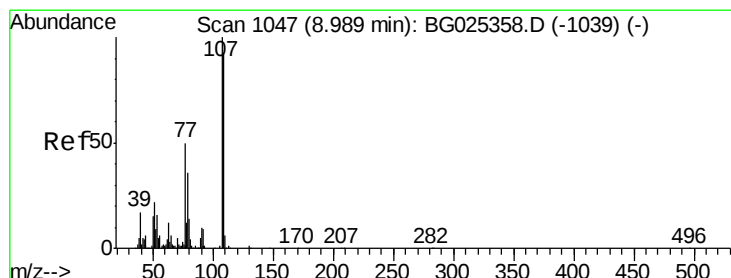
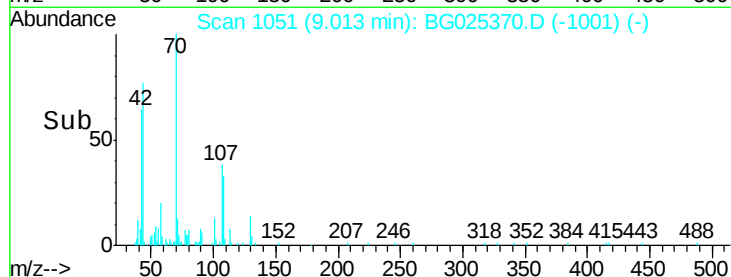
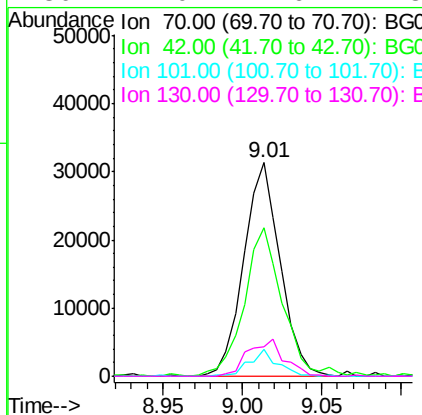
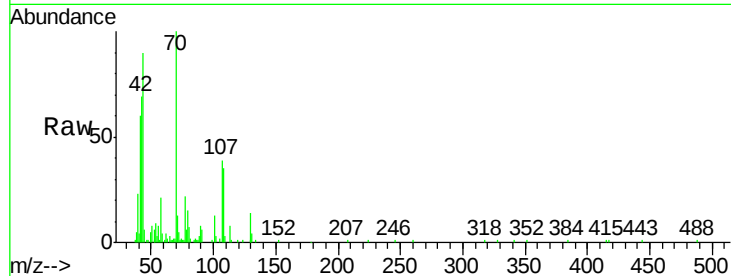




#19
n-Nitroso-di-n-propylamine
Concen: 15.59 ng
RT: 9.01 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

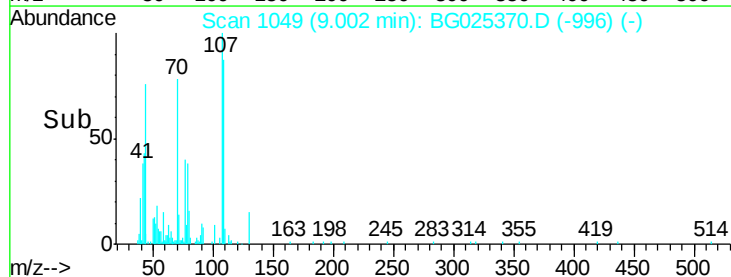
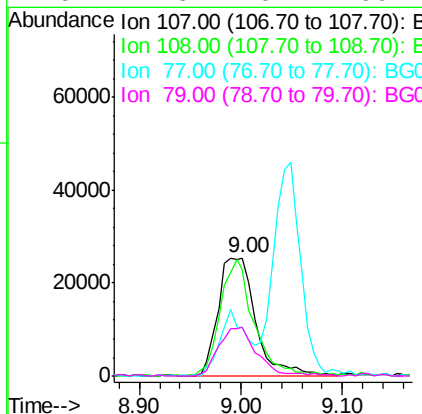
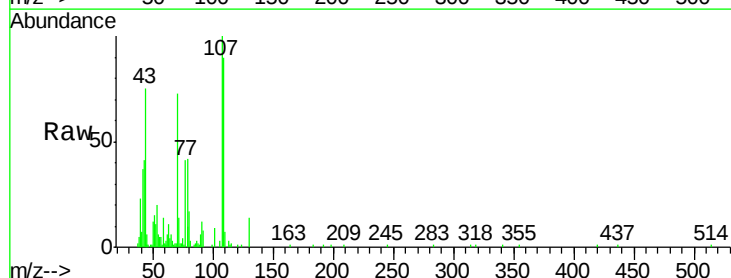
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

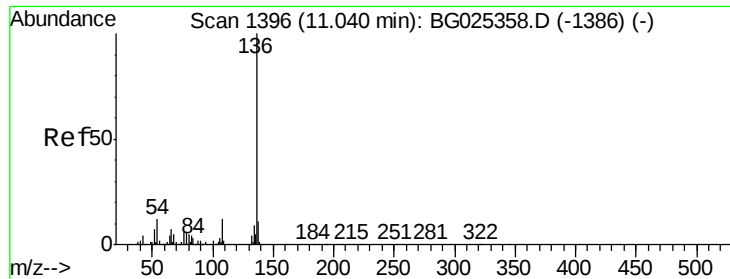
Tgt Ion:	70	Resp:	50013
Ion Ratio	Lower	Upper	
70	100		
42	69.4	56.1	84.1
101	12.8	7.5	11.3#
130	14.0	14.6	21.8#



#20
3+4-Methylphenols
Concen: 17.14 ng
RT: 9.00 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

Tgt Ion:	107	Resp:	65574
Ion Ratio	Lower	Upper	
107	100		
108	90.1	70.8	110.8
77	41.0	25.8	65.8
79	41.6	20.1	60.1

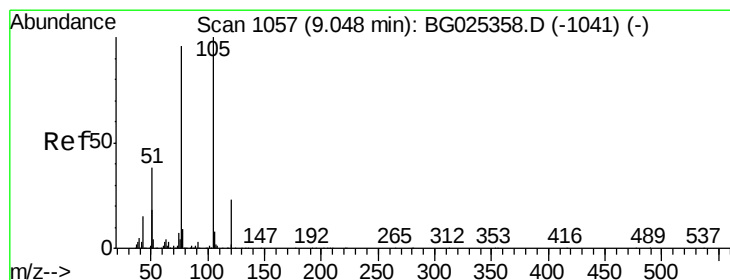
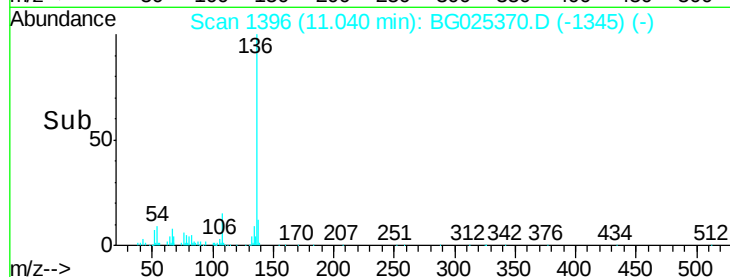
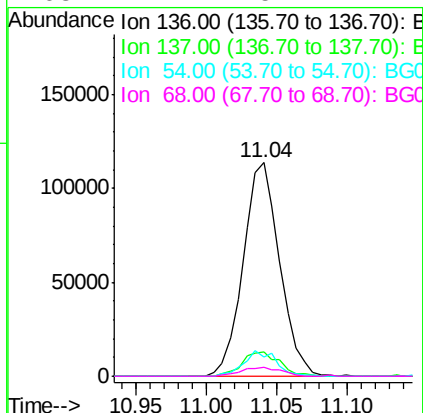
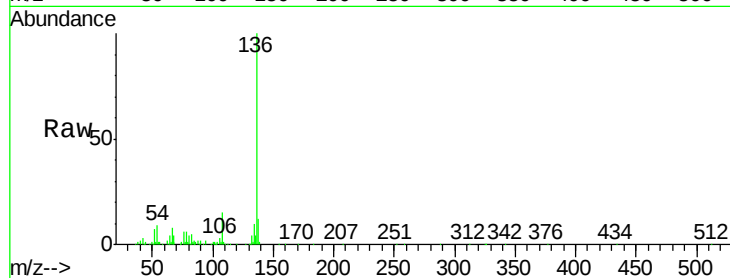




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.04 min Scan# 1396
Delta R.T. 0.00 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

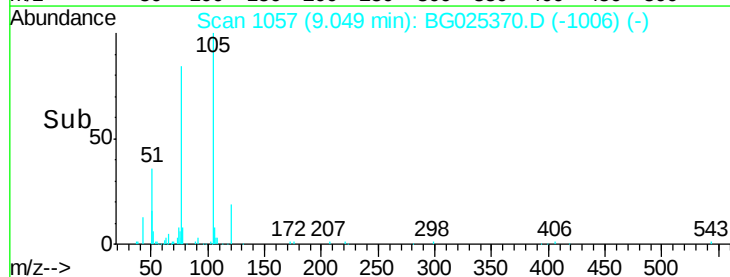
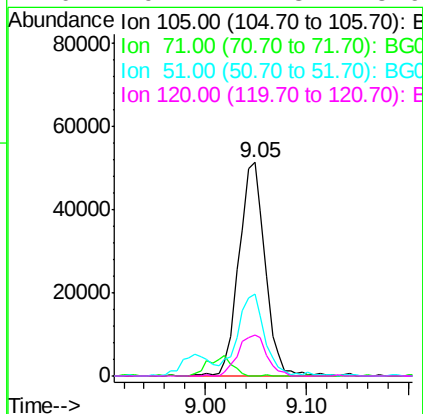
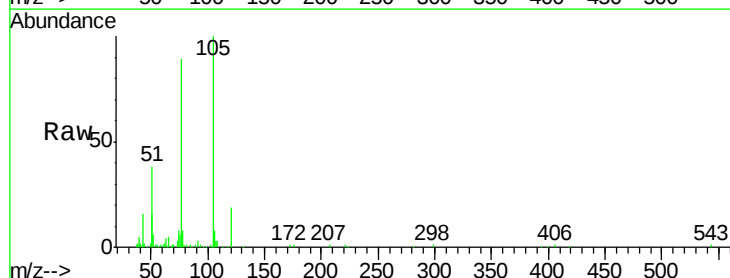
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

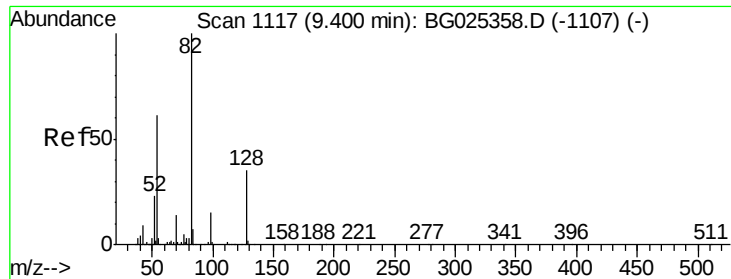
Tgt Ion:	136	Resp:	205634
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.9	13.3
54	8.8	9.3	13.9#
68	4.4	5.1	7.7#



#22
Acetophenone
Concen: 16.17 ng
RT: 9.05 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

Tgt Ion:	105	Resp:	92380
Ion Ratio	Lower	Upper	
105	100		
71	0.0	0.9	1.3#
51	38.1	34.0	51.0
120	19.1	17.3	25.9

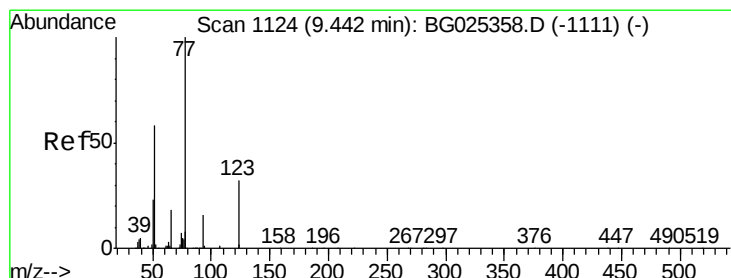
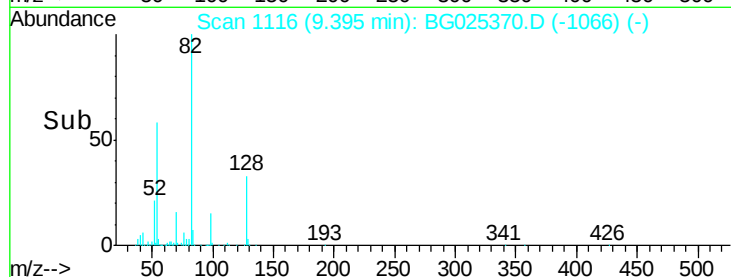
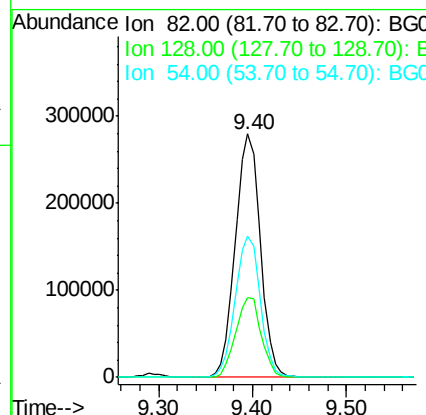
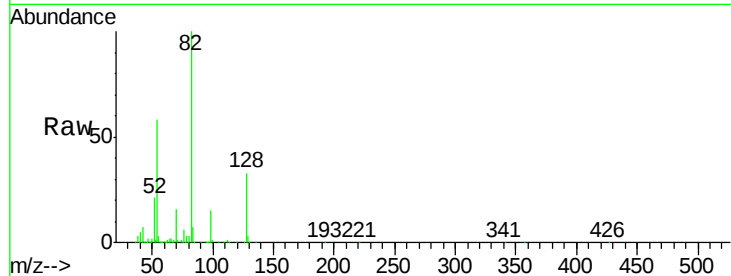




#23
 Nitrobenzene-d5
 Concen: 111.61 ng
 RT: 9.40 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BG025370.D
 Acq: 21 Dec 2016 23:21

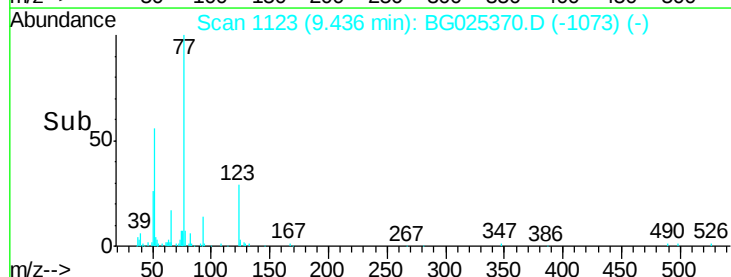
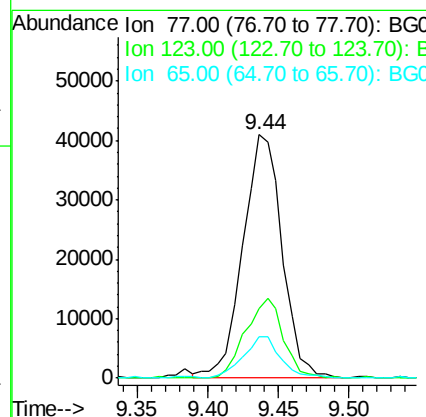
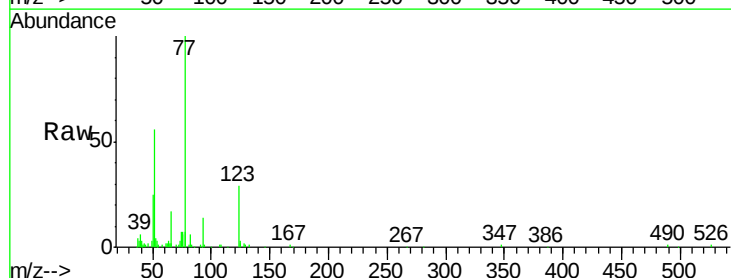
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

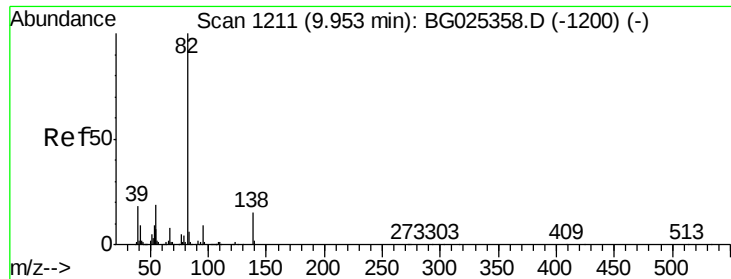
Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.8	26.4	39.6
54	58.0	49.4	74.2



#24
 Nitrobenzene
 Concen: 15.63 ng
 RT: 9.44 min Scan# 1123
 Delta R.T. -0.01 min
 Lab File: BG025370.D
 Acq: 21 Dec 2016 23:21

Tgt Ion	Ratio	Lower	Upper
77	100		
123	28.8	26.1	39.1
65	17.2	12.4	18.6

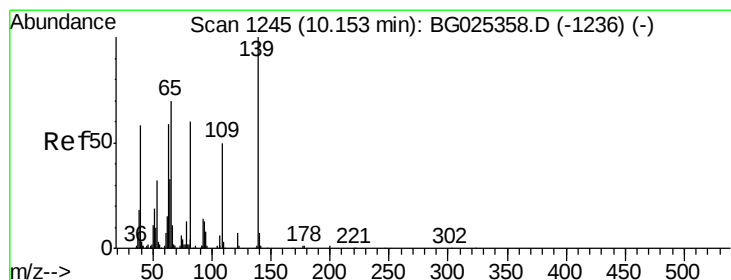
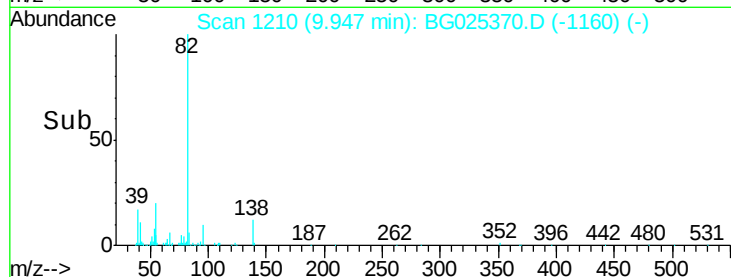
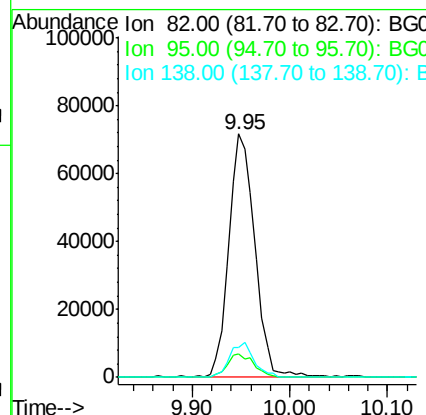
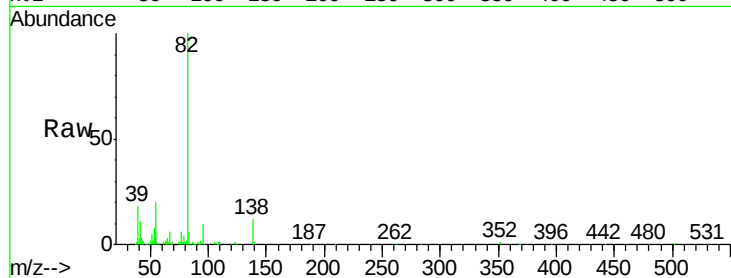




#25
Isophorone
Concen: 15.76 ng
RT: 9.95 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

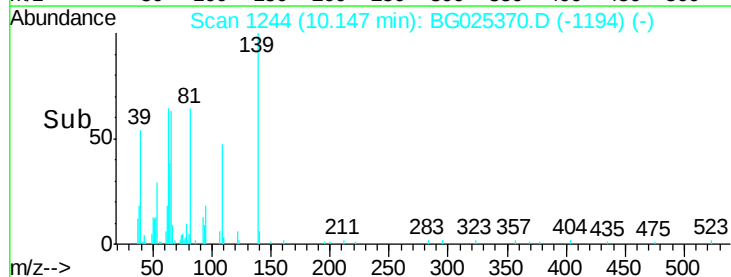
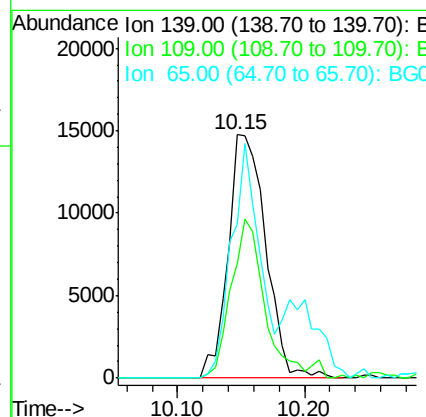
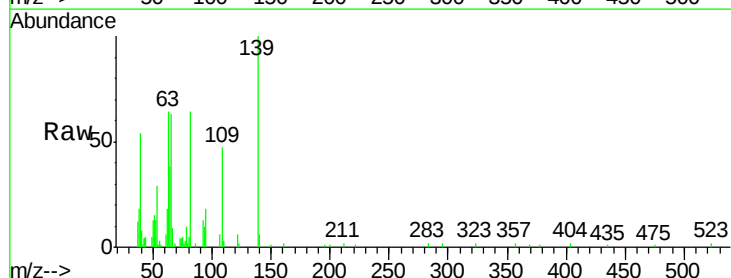
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

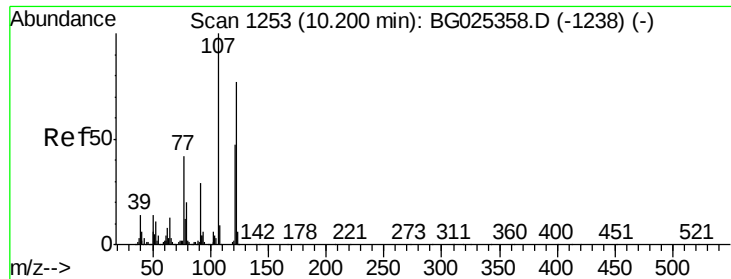
Tgt Ion	Ratio	Lower	Upper
82	100		
95	9.8	7.5	11.3
138	12.5	12.3	18.5



#26
2-Nitrophenol
Concen: 15.50 ng
RT: 10.15 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

Tgt Ion	Ratio	Lower	Upper
139	100		
109	46.7	38.6	58.0
65	63.2	57.1	85.7

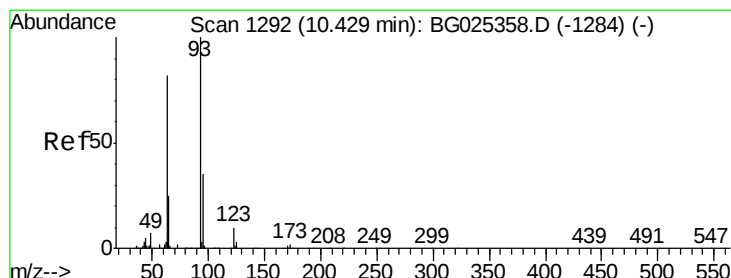
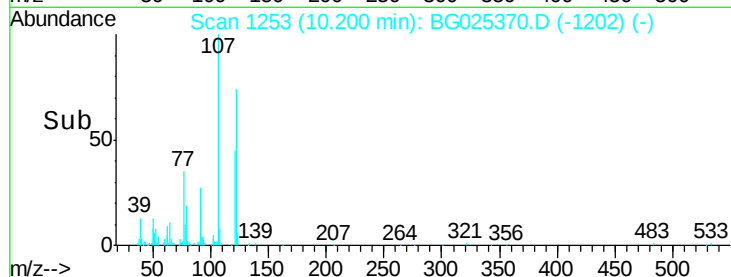
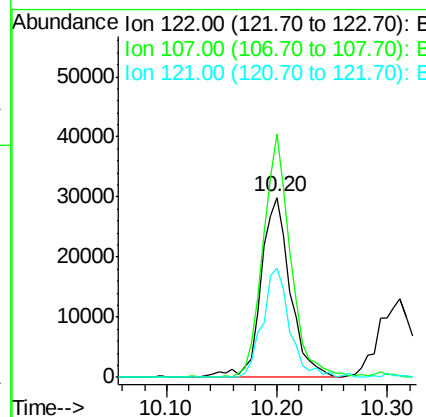
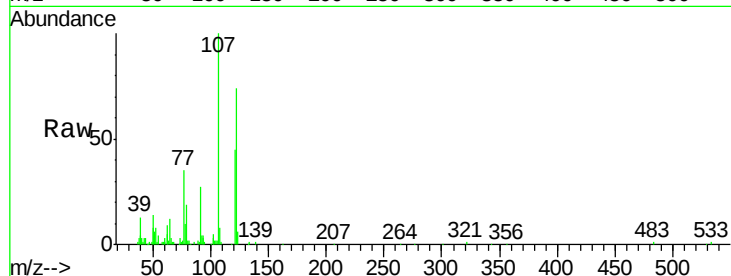




#27
2,4-Dimethylphenol
Concen: 17.19 ng
RT: 10.20 min Scan# 1253
Delta R.T. 0.00 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

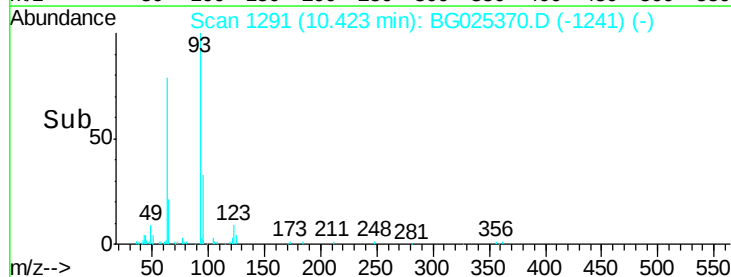
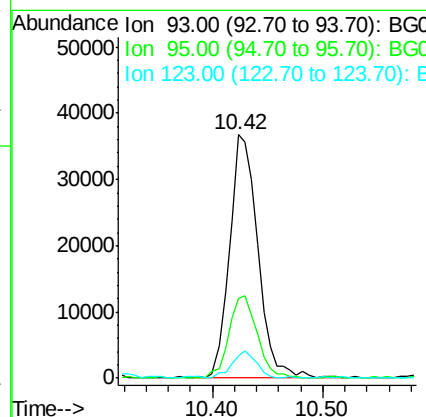
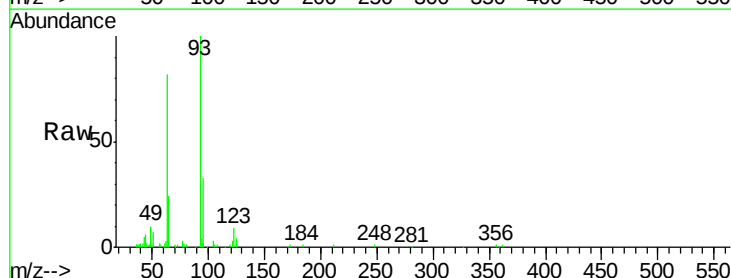
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

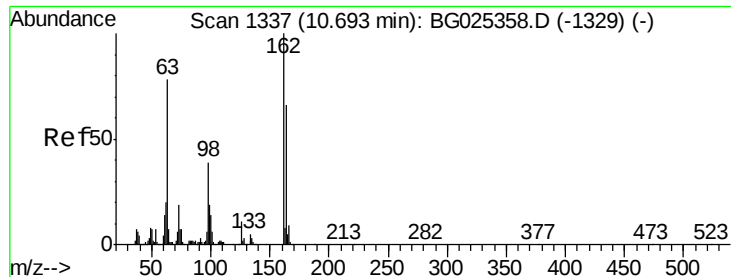
Tgt Ion	Ratio	Lower	Upper
122	100		
107	135.1	104.2	156.4
121	60.3	46.0	69.0



#28
bis(2-Chloroethoxy)methane
Concen: 15.10 ng
RT: 10.42 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.7	38.5
123	9.2	8.3	12.5





#29

2,4-Dichlorophenol

Concen: 16.55 ng

RT: 10.71 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

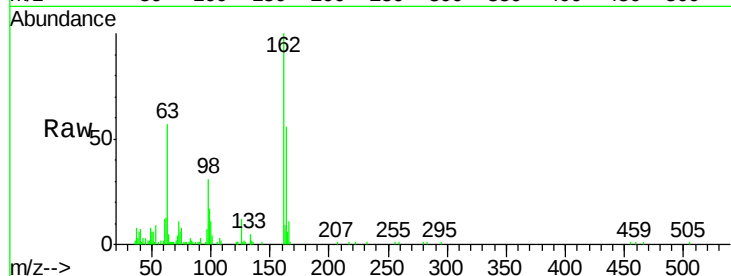
Tgt Ion:162 Resp: 56850

Ion Ratio Lower Upper

162 100

164 56.1 42.4 82.4

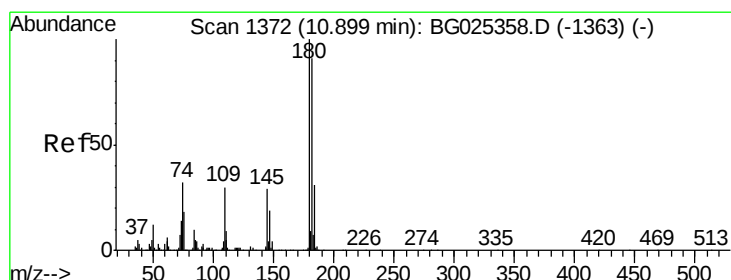
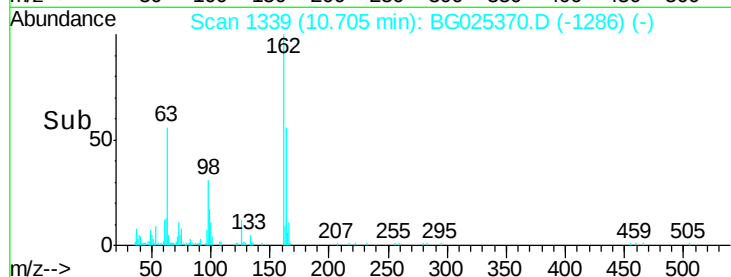
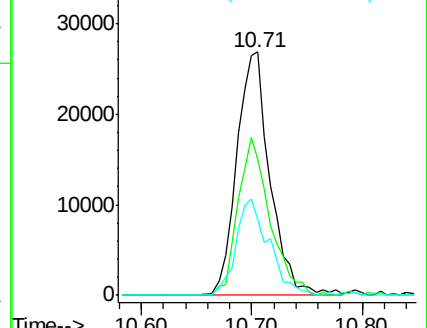
98 31.1 20.3 60.3



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30

1,2,4-Trichlorobenzene

Concen: 15.36 ng

RT: 10.90 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

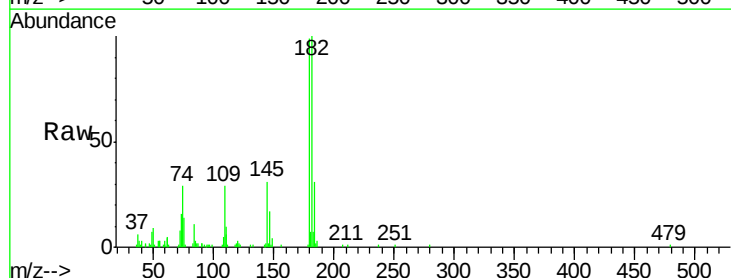
Tgt Ion:180 Resp: 63729

Ion Ratio Lower Upper

180 100

182 101.2 77.0 115.4

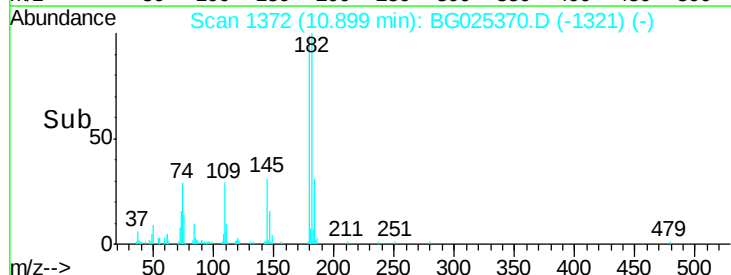
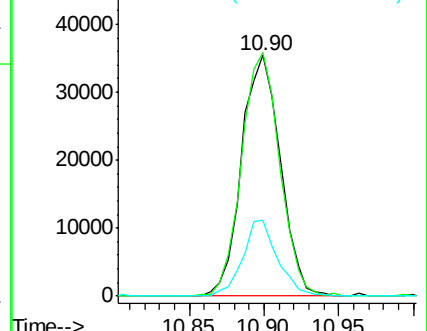
145 31.7 23.4 35.0

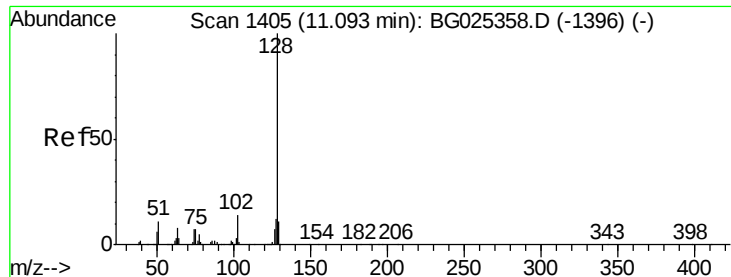


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

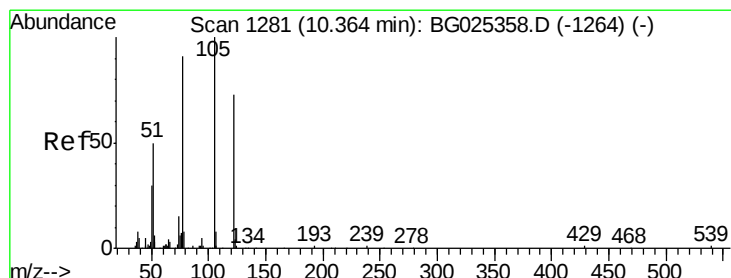
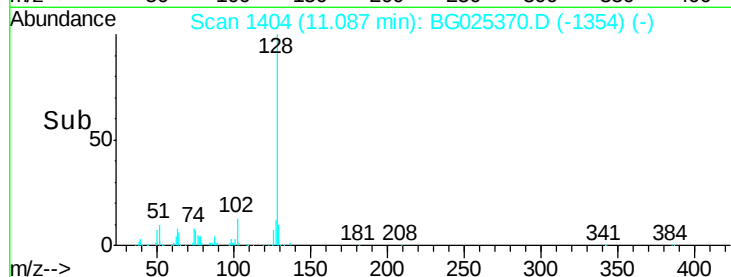
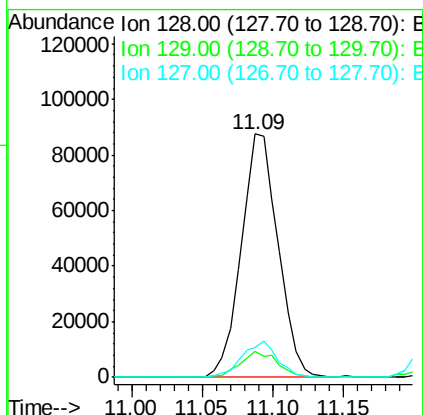
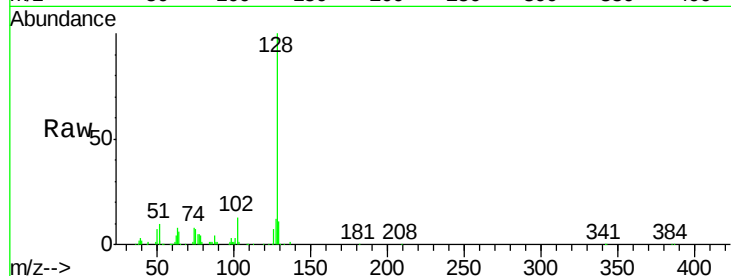




#31
Naphthalene
Concen: 15.56 ng
RT: 11.09 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

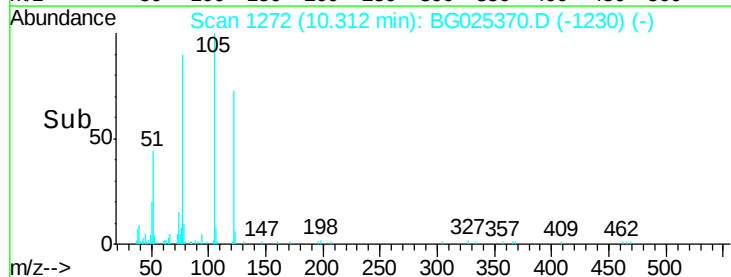
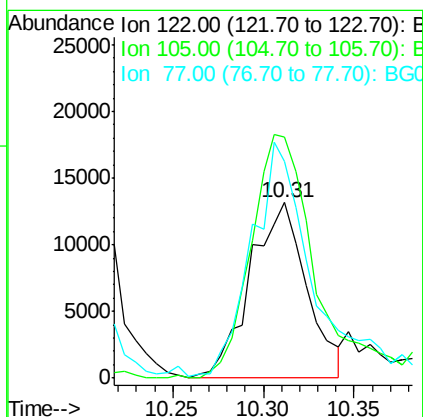
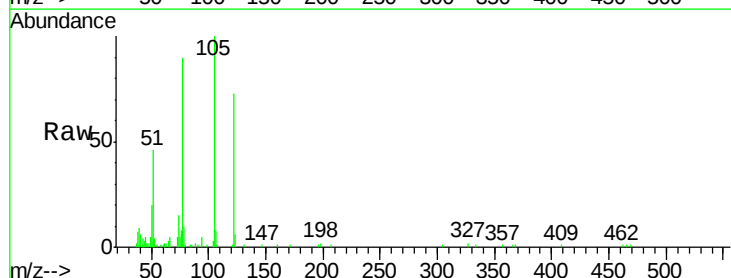
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

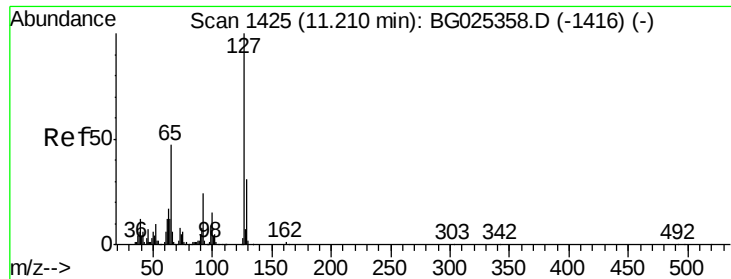
Tgt Ion:128 Resp: 159801
Ion Ratio Lower Upper
128 100
129 10.5 9.3 13.9
127 12.3 11.4 17.0



#32
Benzoic acid
Concen: 11.06 ng
RT: 10.31 min Scan# 1272
Delta R.T. -0.05 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

Tgt Ion:122 Resp: 28552
Ion Ratio Lower Upper
122 100
105 137.9 120.1 160.1
77 123.4 104.6 144.6

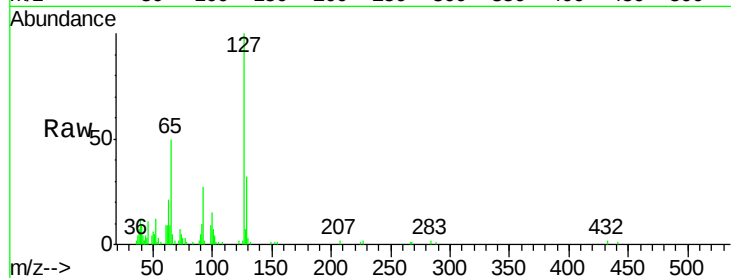




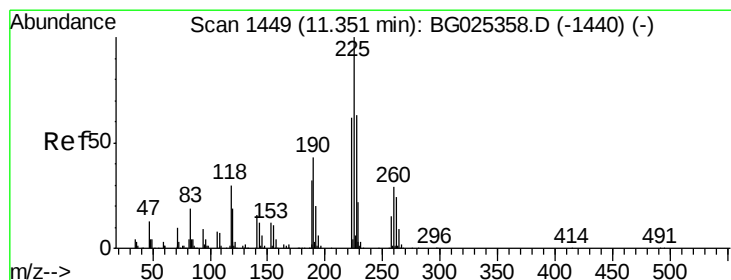
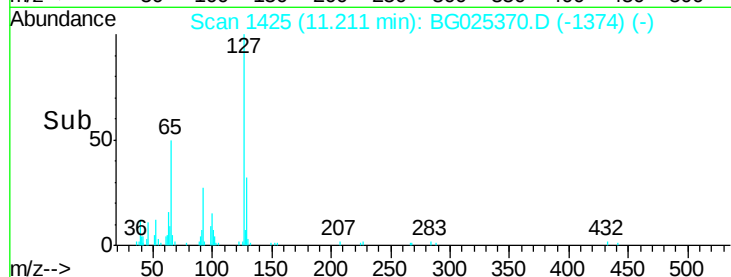
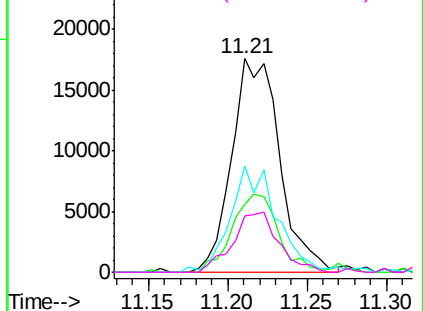
#33
4-Chloroaniline
Concen: 8.59 ng
RT: 11.21 min Scan# 1425
Delta R.T. 0.00 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion:	127	Resp:	37083
Ion	Ratio	Lower	Upper
127	100		
129	31.6	23.6	35.4
65	49.6	37.7	56.5
92	26.6	17.6	26.4

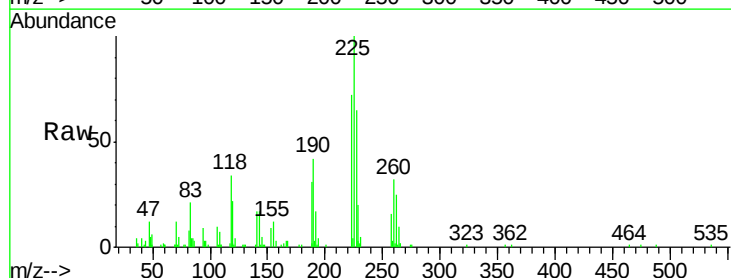


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

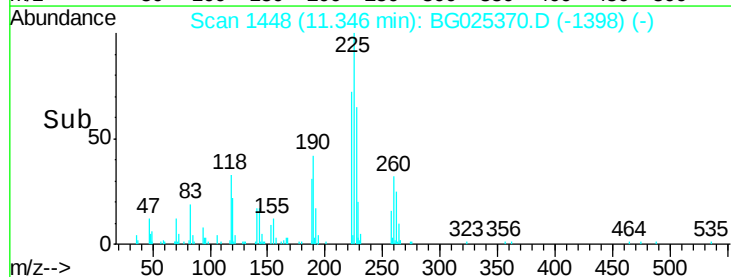
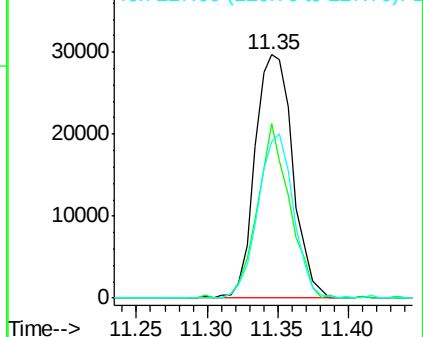


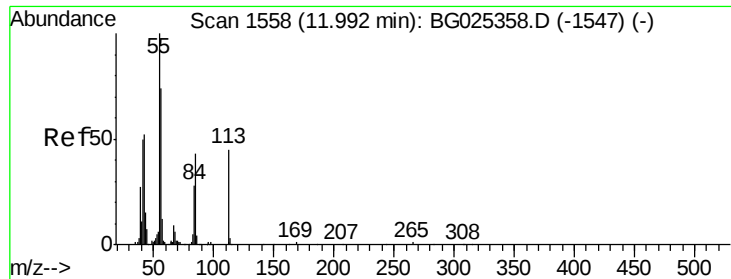
#34
Hexachlorobutadiene
Concen: 16.42 ng
RT: 11.35 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

Tgt Ion:	225	Resp:	55611
Ion	Ratio	Lower	Upper
225	100		
223	71.9	50.7	76.1
227	64.5	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: 14.40 ng

RT: 11.97 min Scan# 1555

Delta R.T. -0.02 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

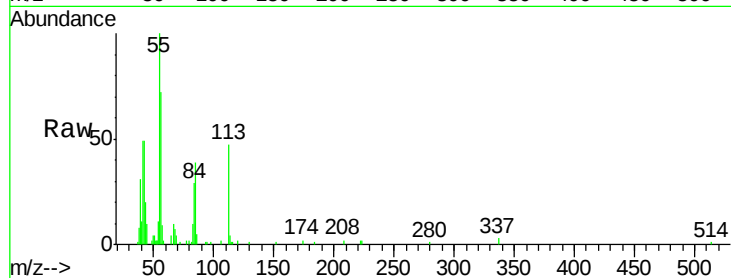
Tgt Ion:113 Resp: 18589

Ion Ratio Lower Upper

113 100

55 211.1 198.6 238.6

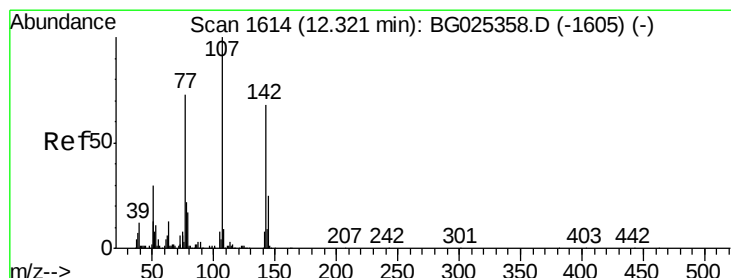
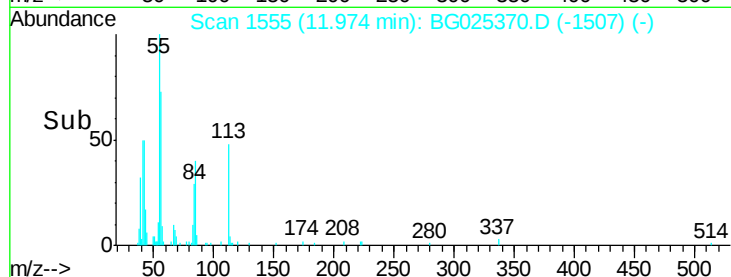
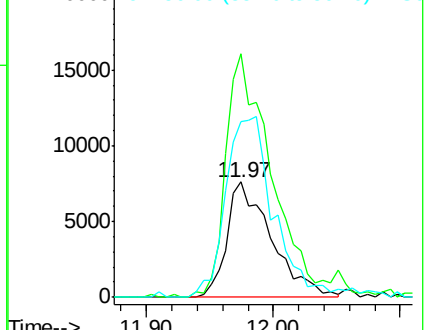
56 152.5 140.4 180.4



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: 15.81 ng

RT: 12.32 min Scan# 1614

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

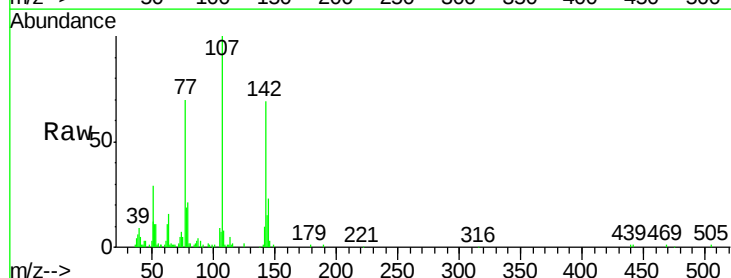
Tgt Ion:107 Resp: 67043

Ion Ratio Lower Upper

107 100

144 23.2 17.4 26.0

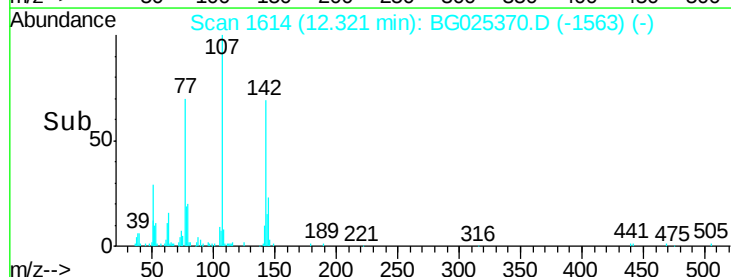
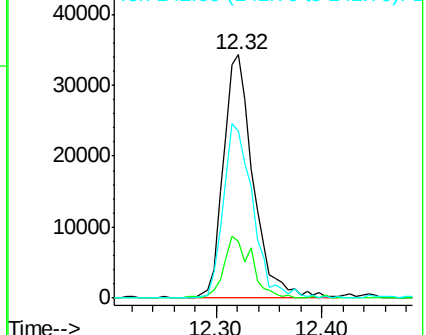
142 68.5 54.1 81.1

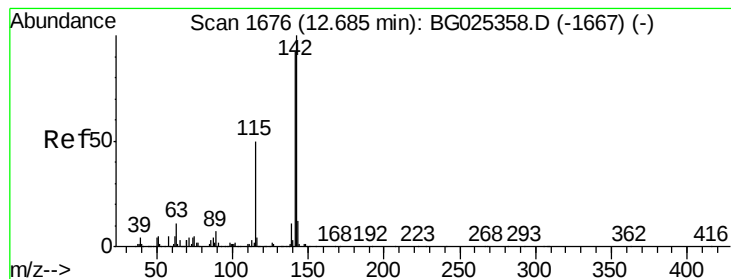


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 15.18 ng

RT: 12.68 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

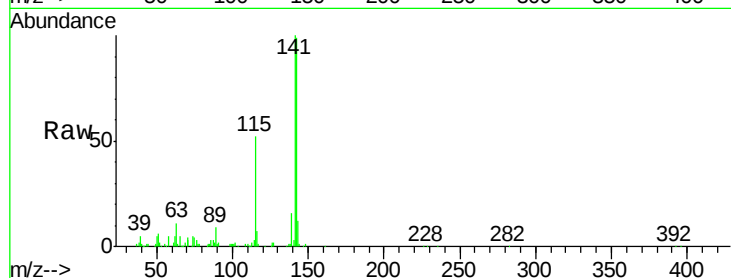
Tgt Ion:142 Resp: 115521

Ion Ratio Lower Upper

142 100

141 100.6 70.4 105.6

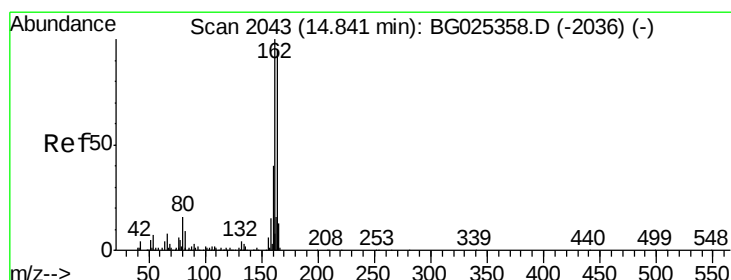
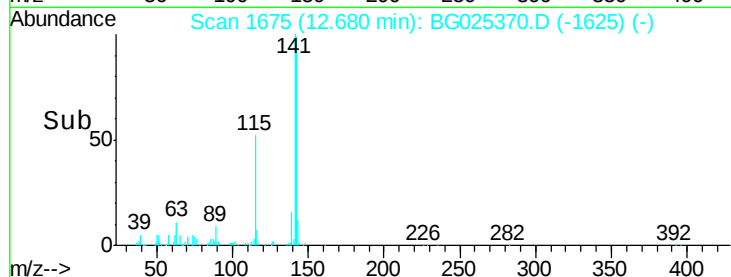
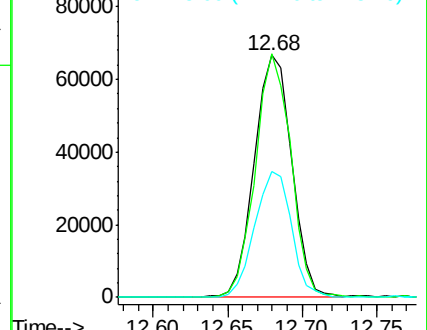
115 52.0 35.5 53.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.84 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

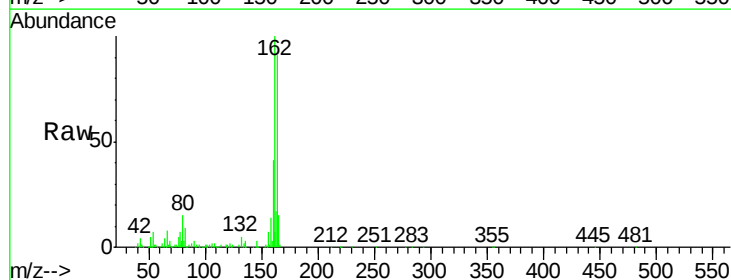
Tgt Ion:164 Resp: 165185

Ion Ratio Lower Upper

164 100

162 110.0 85.1 127.7

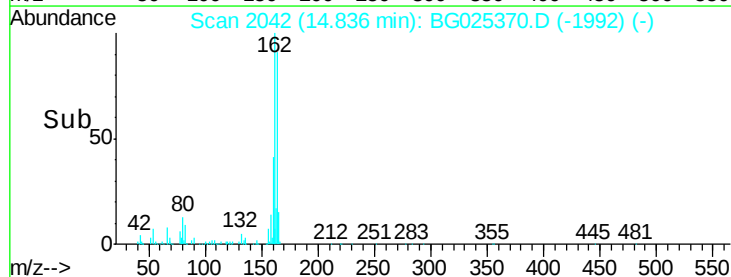
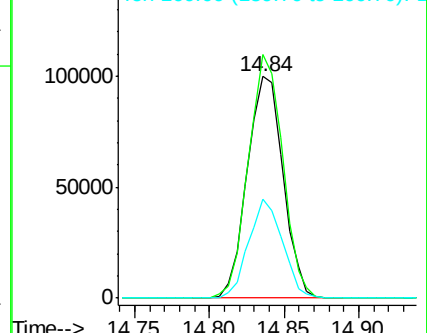
160 44.9 34.7 52.1

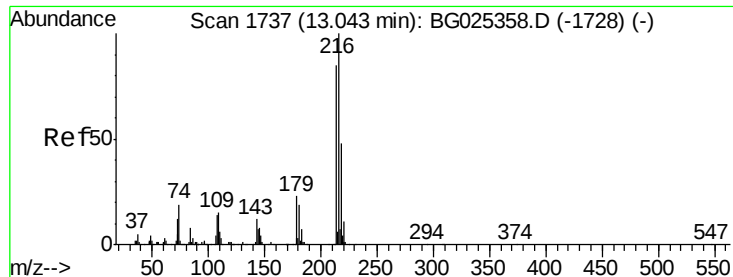


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 15.64 ng

RT: 13.04 min Scan# 1737

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tgt Ion:216 Resp: 85270

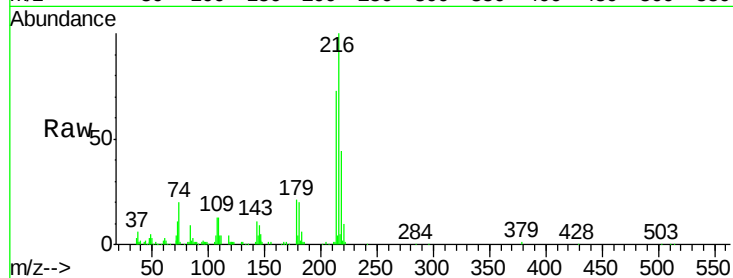
Ion Ratio Lower Upper

216 100

214 81.7 64.4 96.6

179 20.8 17.4 26.0

108 14.4 15.6 23.4#

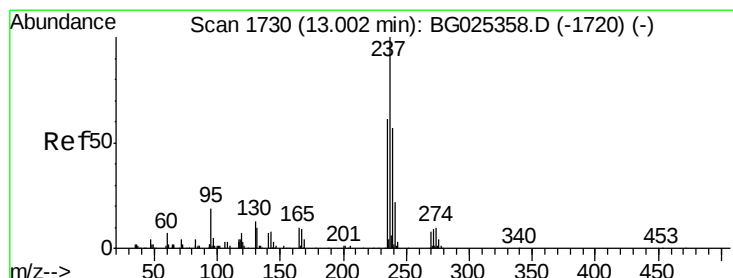
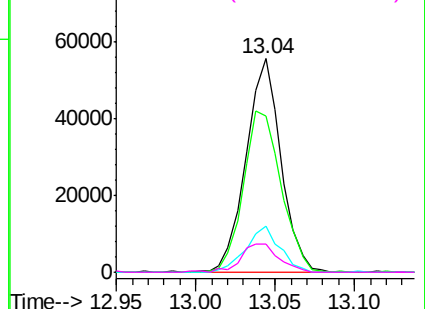
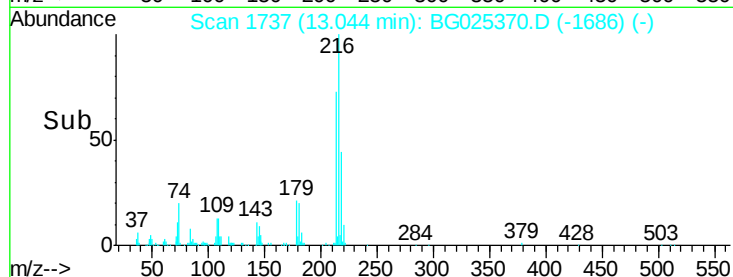


Abundance Ion 216.00 (215.70 to 216.70): E

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: 15.27 ng

RT: 13.00 min Scan# 1730

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

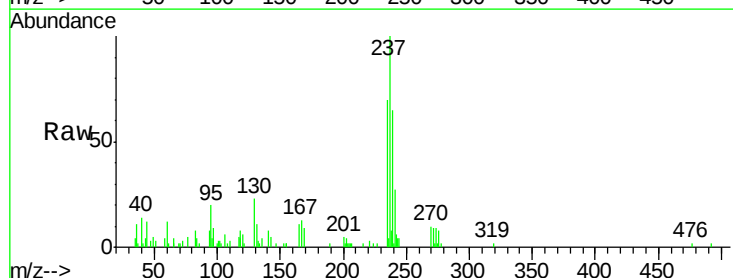
Tgt Ion:237 Resp: 15065

Ion Ratio Lower Upper

237 100

235 69.6 39.4 79.4

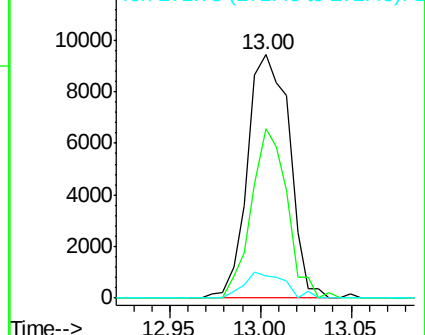
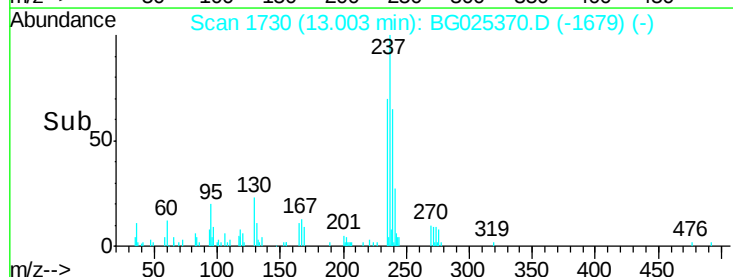
272 8.9 0.0 32.0

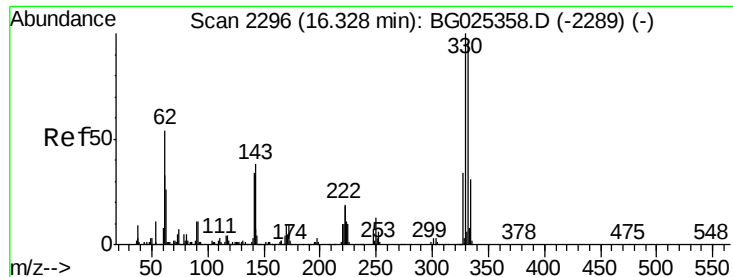


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

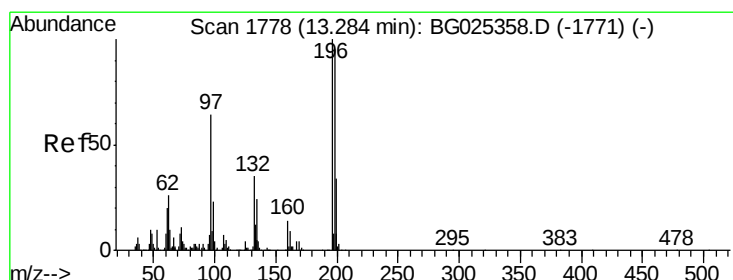
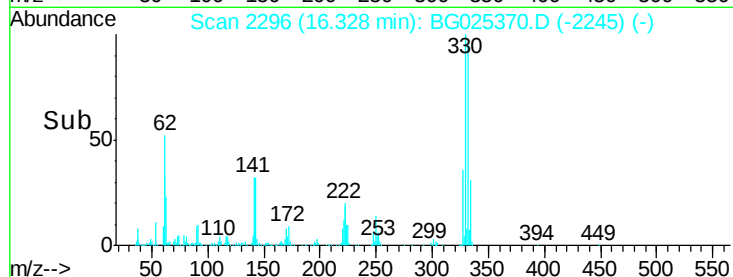
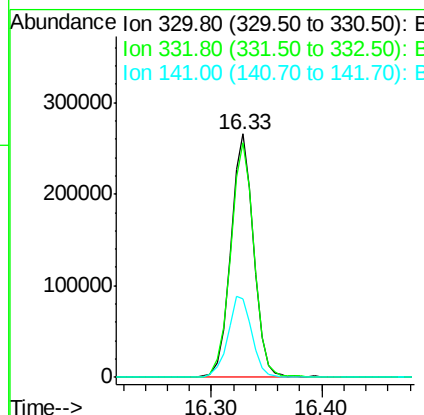
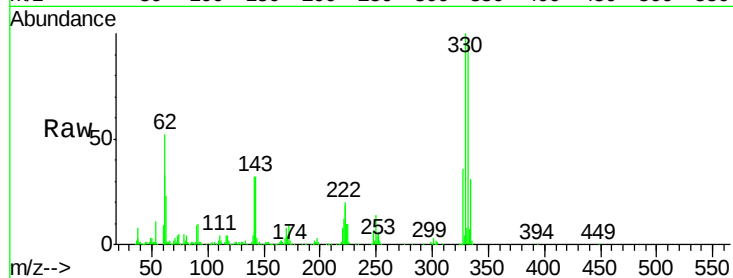




#41
2,4,6-Tribromophenol
Concen: 144.78 ng
RT: 16.33 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

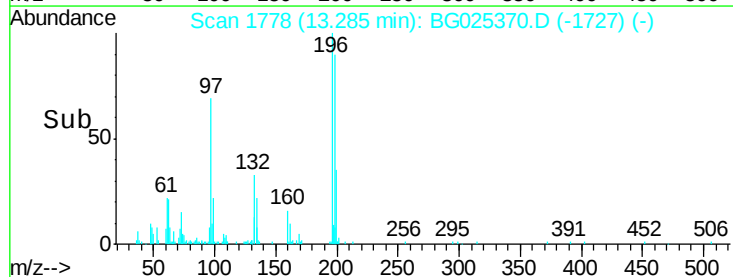
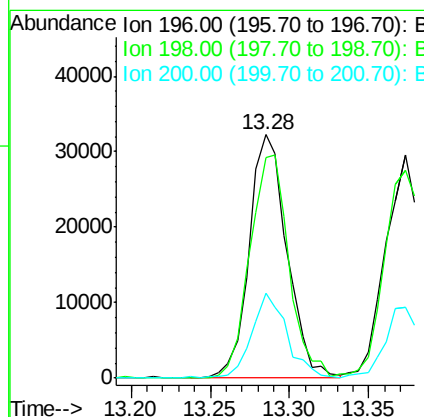
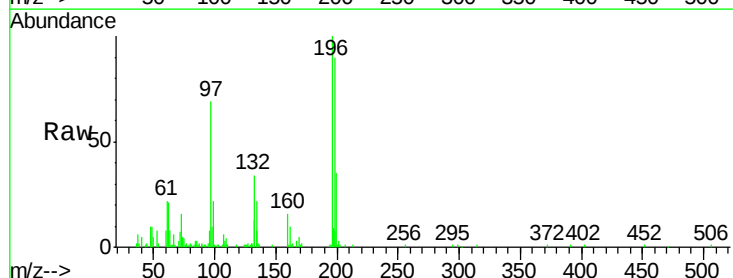
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

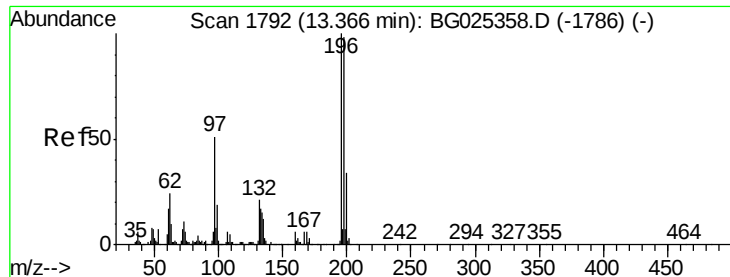
Tgt Ion:330 Resp: 385017
Ion Ratio Lower Upper
330 100
332 98.3 77.3 115.9
141 34.7 32.1 48.1



#42
2,4,6-Trichlorophenol
Concen: 15.56 ng
RT: 13.28 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

Tgt Ion:196 Resp: 53439
Ion Ratio Lower Upper
196 100
198 90.4 81.4 122.2
200 34.8 27.0 40.6

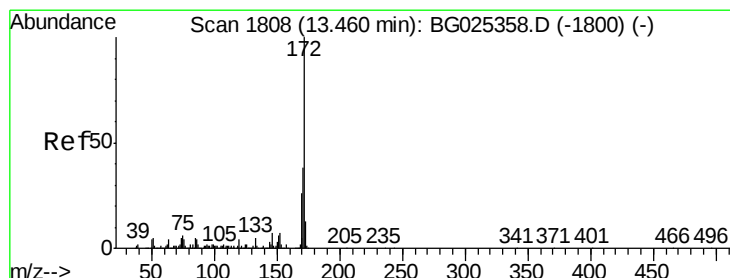
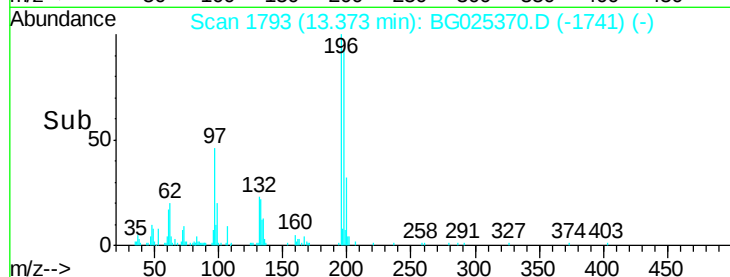
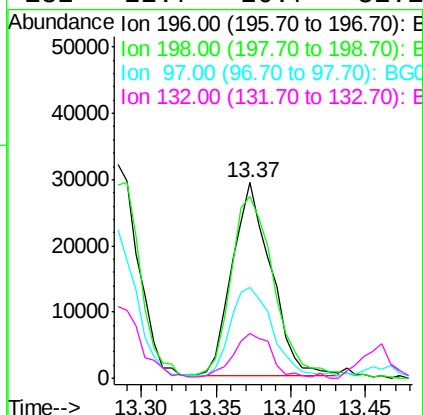
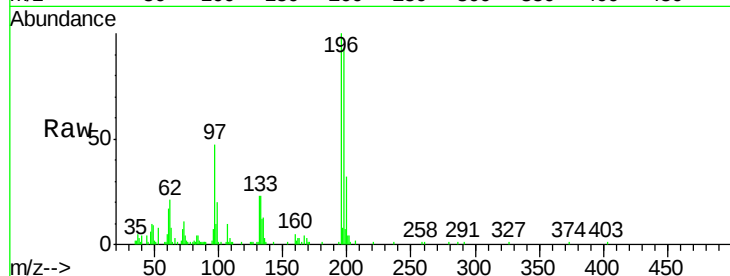




#43
 2,4,5-Trichlorophenol
 Concen: 14.78 ng
 RT: 13.37 min Scan# 1793
 Delta R.T. 0.01 min
 Lab File: BG025370.D
 Acq: 21 Dec 2016 23:21

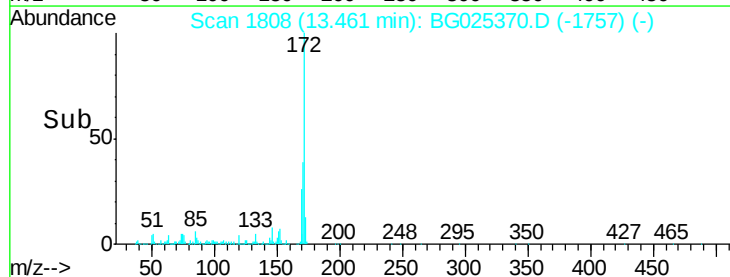
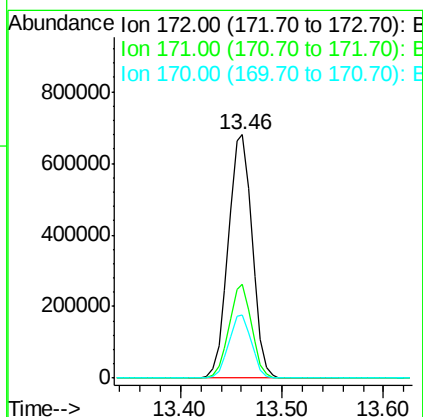
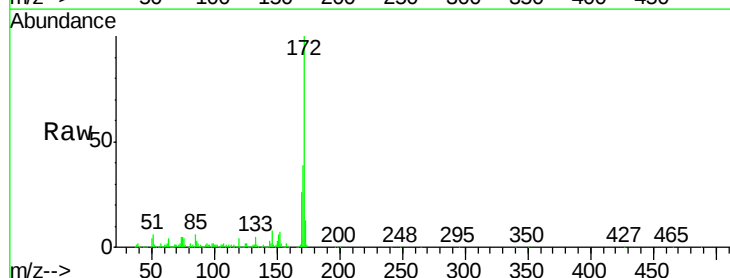
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

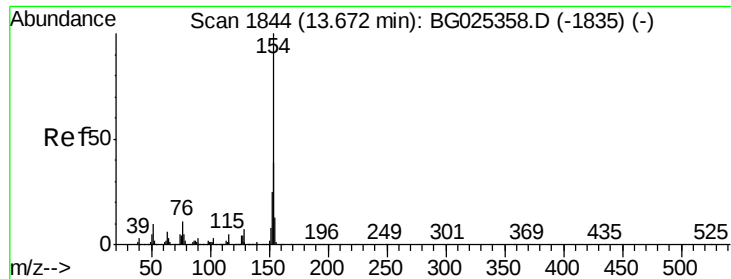
Tgt Ion:196 Resp: 53114
 Ion Ratio Lower Upper
 196 100
 198 93.3 79.9 119.9
 97 46.8 45.4 68.0
 132 22.7 20.7 31.1



#44
 2-Fluorobiphenyl
 Concen: 108.50 ng
 RT: 13.46 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: BG025370.D
 Acq: 21 Dec 2016 23:21

Tgt Ion:172 Resp: 1107009
 Ion Ratio Lower Upper
 172 100
 171 38.5 32.2 48.2
 170 25.8 21.8 32.6





#45

1,1'-Biphenyl

Concen: 16.33 ng

RT: 13.67 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

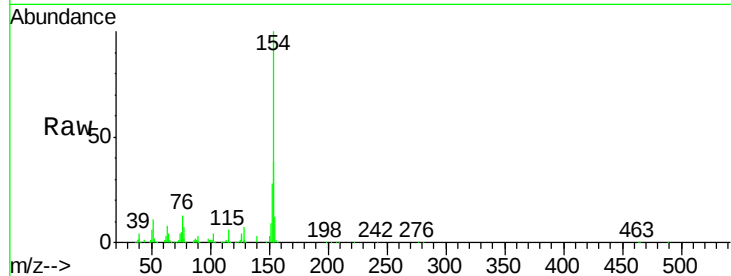
Tgt Ion:154 Resp: 181413

Ion Ratio Lower Upper

154 100

153 38.3 23.0 63.0

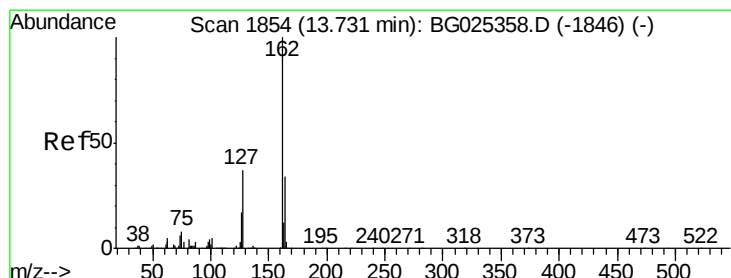
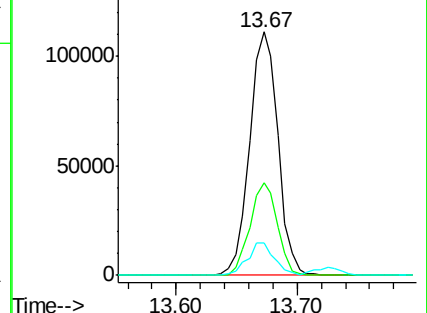
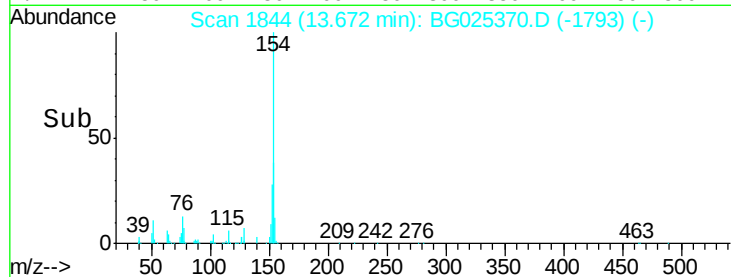
76 13.3 0.0 33.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#46

2-Chloronaphthalene

Concen: 15.68 ng

RT: 13.73 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

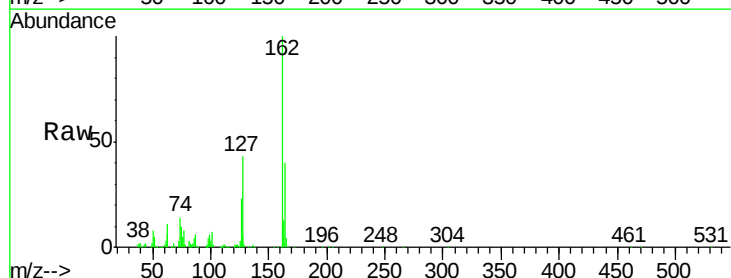
Tgt Ion:162 Resp: 136115

Ion Ratio Lower Upper

162 100

127 42.7 32.2 48.4

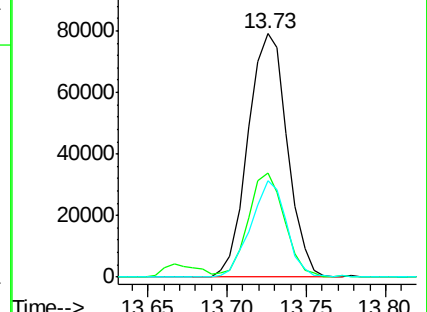
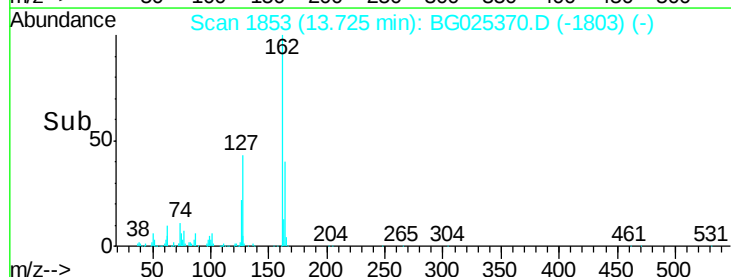
164 39.8 27.3 40.9

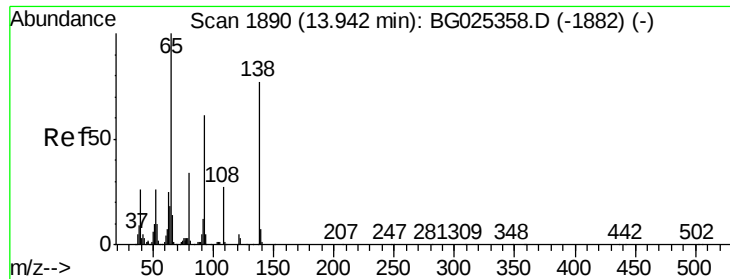


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

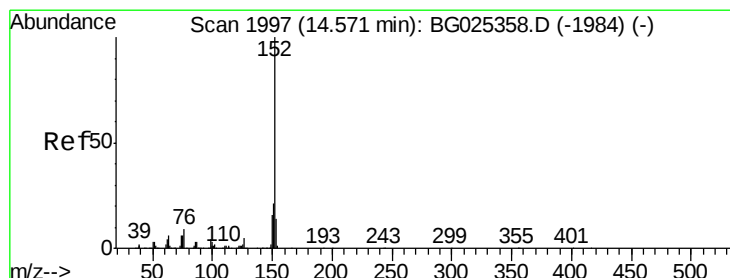
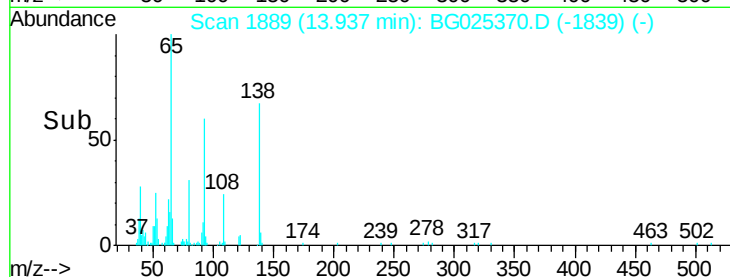
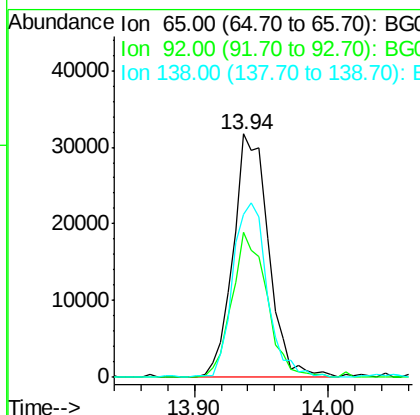
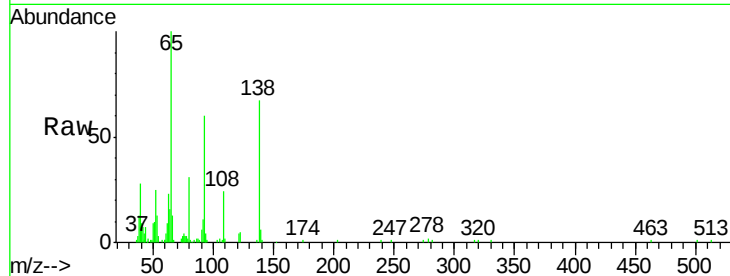




#47
2-Nitroaniline
Concen: 15.89 ng
RT: 13.94 min Scan# 1889
Delta R.T. -0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

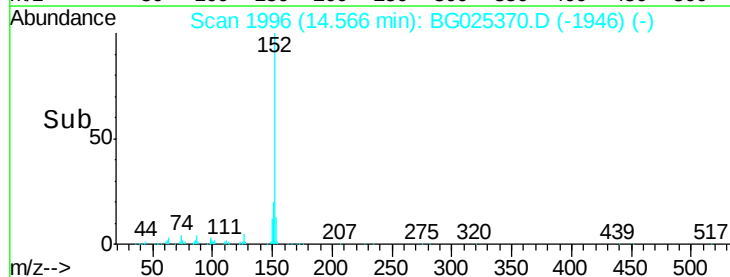
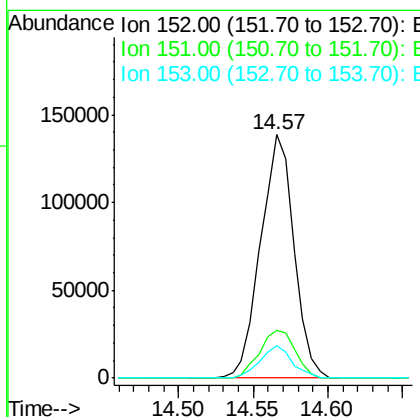
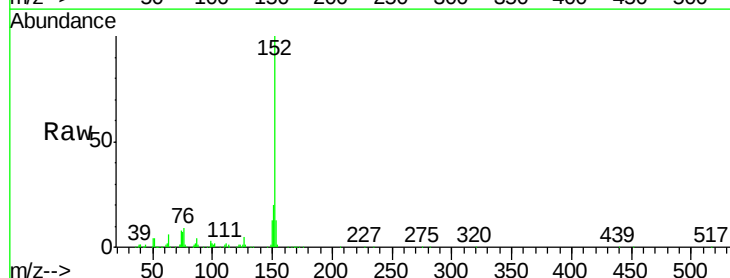
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

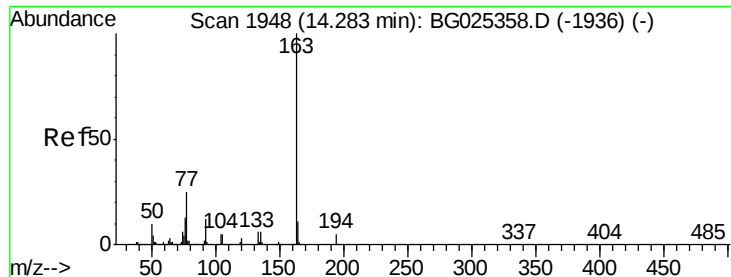
Tgt Ion: 65 Resp: 58207
Ion Ratio Lower Upper
65 100
92 59.6 49.0 73.4
138 66.8 58.6 87.8



#48
Acenaphthylene
Concen: 15.87 ng
RT: 14.57 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

Tgt Ion: 152 Resp: 213457
Ion Ratio Lower Upper
152 100
151 19.6 18.2 27.2
153 13.3 11.3 16.9





#49

Dimethylphthalate

Concen: 15.67 ng

RT: 14.28 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

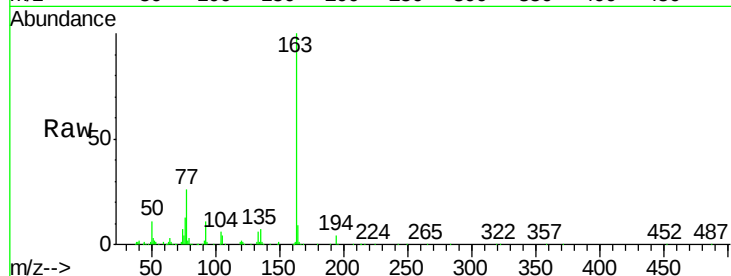
Tgt Ion:163 Resp: 188701

Ion Ratio Lower Upper

163 100

194 3.7 3.8 5.6#

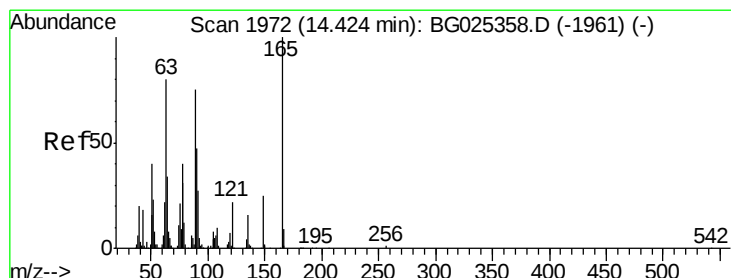
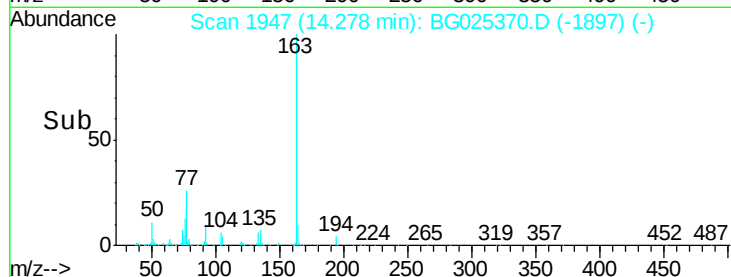
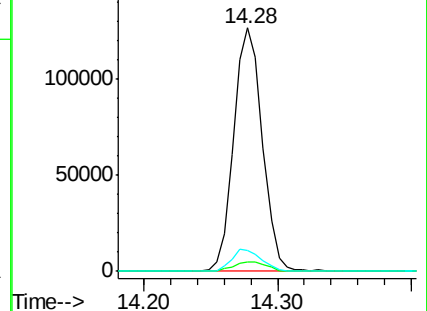
164 8.6 9.3 13.9#



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: 14.39 ng

RT: 14.42 min Scan# 1971

Delta R.T. -0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

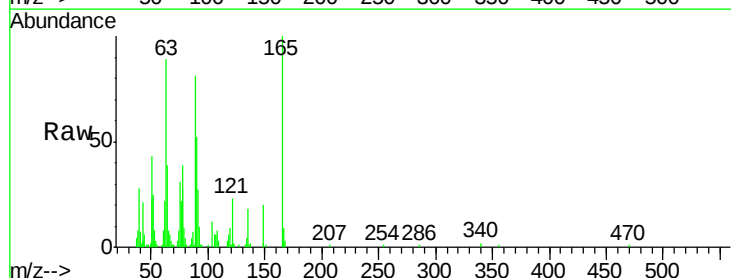
Tgt Ion:165 Resp: 37857

Ion Ratio Lower Upper

165 100

63 89.3 63.9 95.9

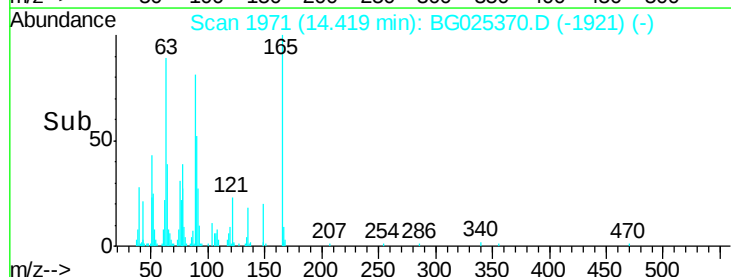
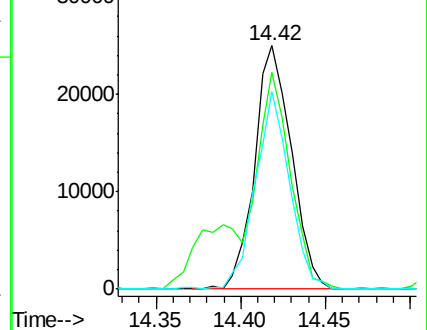
89 81.0 58.6 88.0

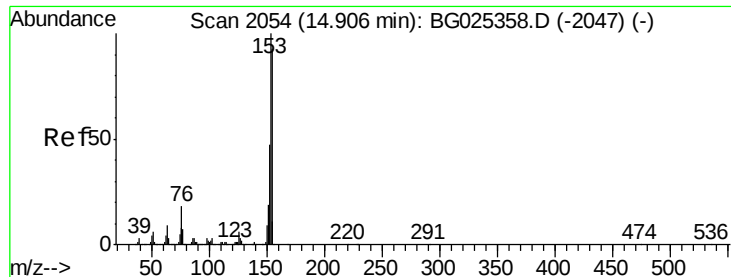


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 15.63 ng

RT: 14.90 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

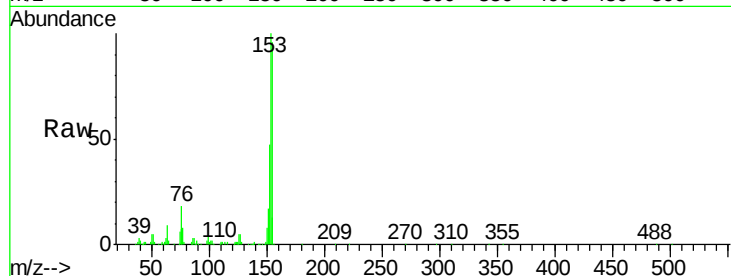
Tgt Ion:154 Resp: 137498

Ion Ratio Lower Upper

154 100

153 104.4 87.8 131.6

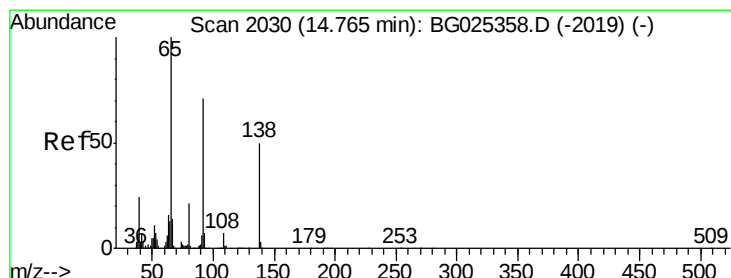
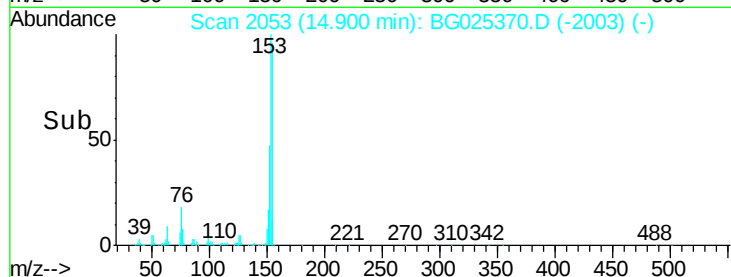
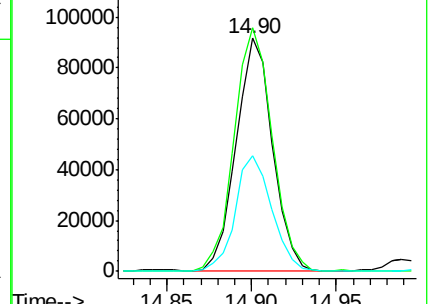
152 49.5 42.2 63.4



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



#52

3-Nitroaniline

Concen: 11.40 ng

RT: 14.77 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

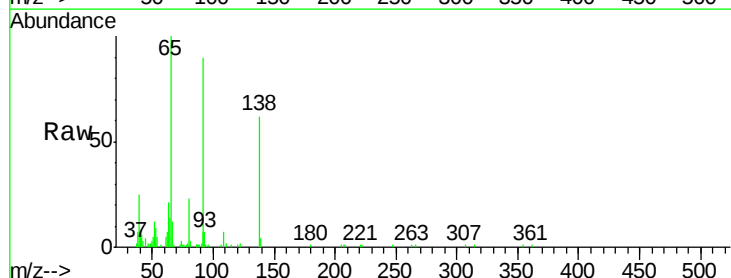
Tgt Ion:138 Resp: 28827

Ion Ratio Lower Upper

138 100

108 12.0 10.9 16.3

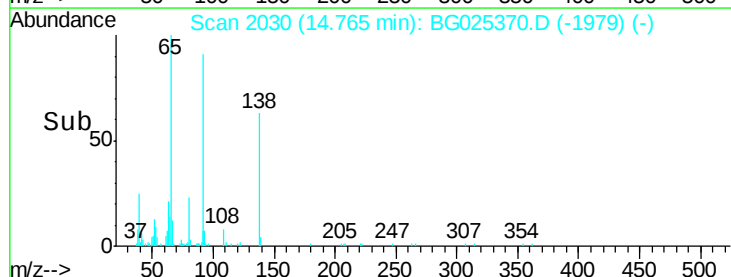
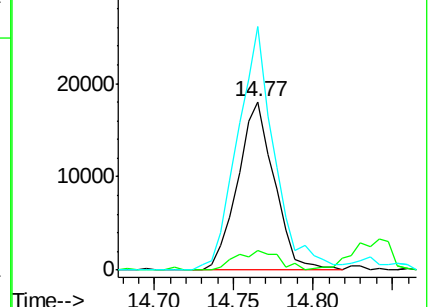
92 144.8 115.3 172.9

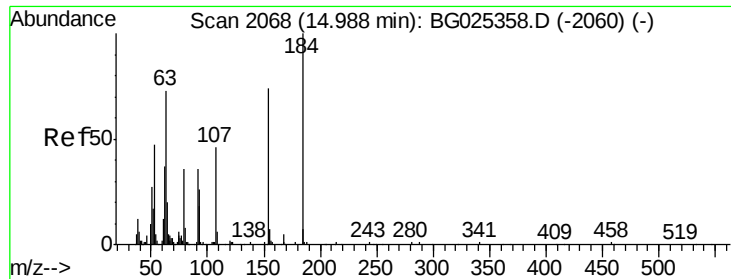


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

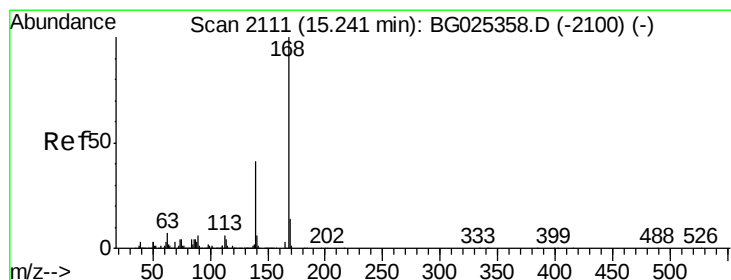
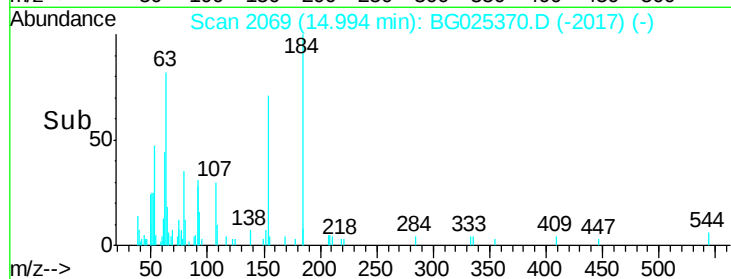
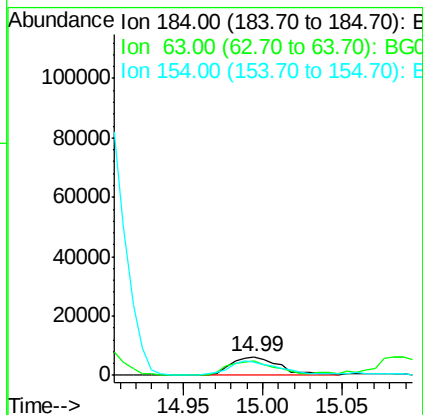
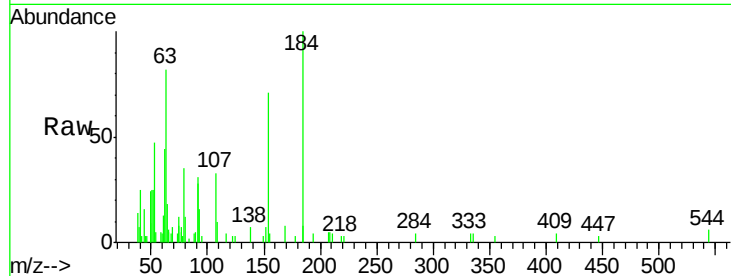




#53
2,4-Dinitrophenol
Concen: 12.39 ng
RT: 14.99 min Scan# 2069
Delta R.T. 0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

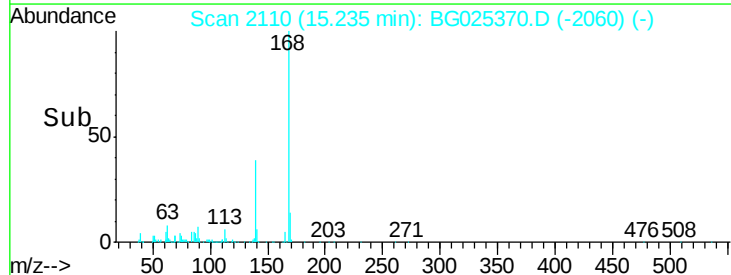
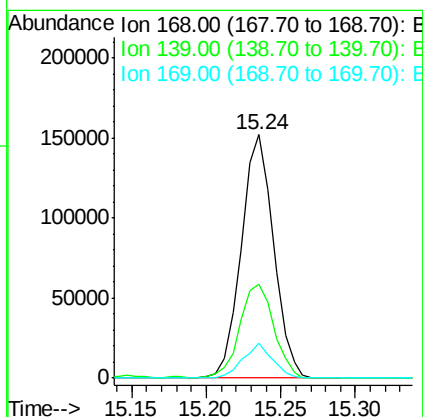
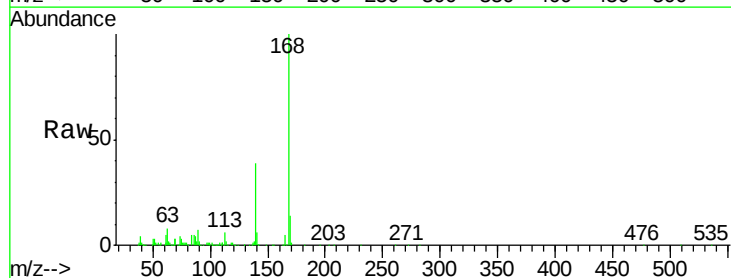
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

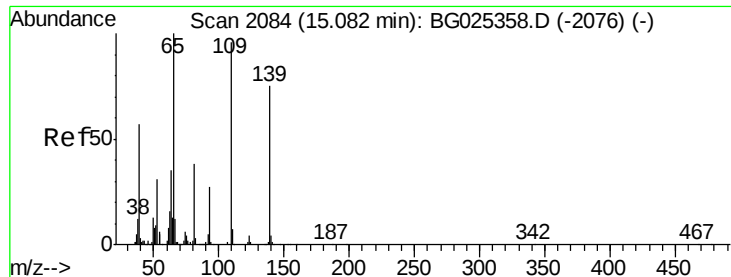
Tgt Ion:184 Resp: 13462
Ion Ratio Lower Upper
184 100
63 76.3 52.7 79.1
154 65.9 57.3 85.9



#54
Dibenzofuran
Concen: 16.40 ng
RT: 15.24 min Scan# 2110
Delta R.T. -0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

Tgt Ion:168 Resp: 228112
Ion Ratio Lower Upper
168 100
139 38.8 35.3 52.9
169 14.5 11.5 17.3

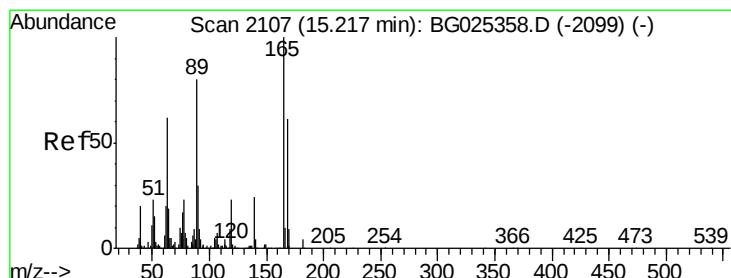
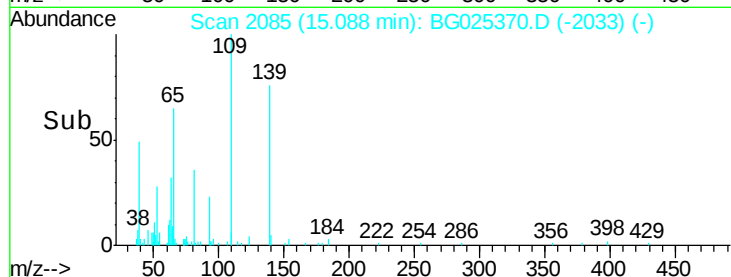
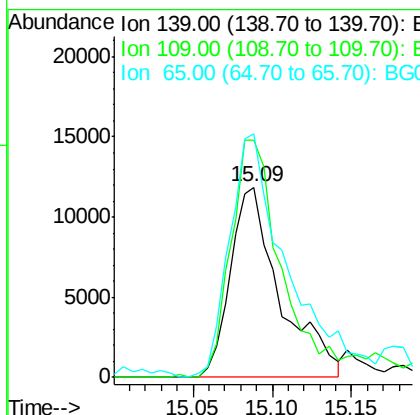
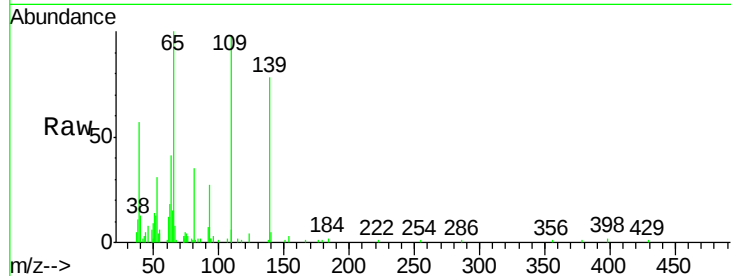




#55
4-Nitrophenol
Concen: 13.63 ng
RT: 15.09 min Scan# 2085
Delta R.T. 0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

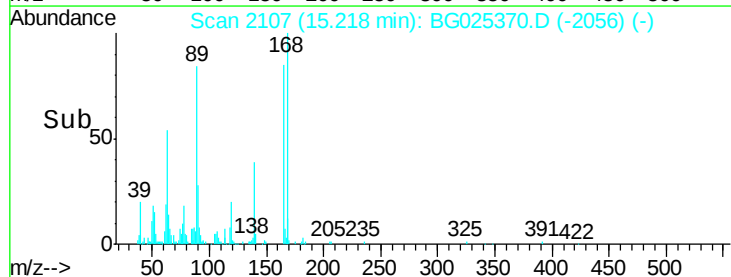
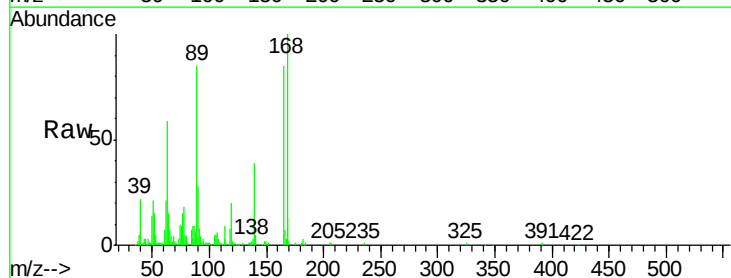
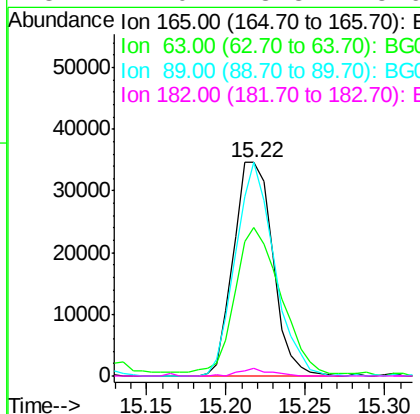
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

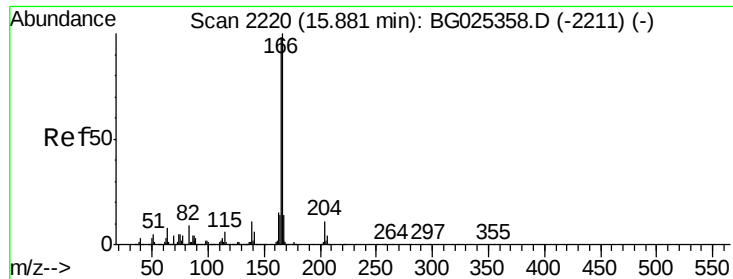
Tgt Ion:139 Resp: 25743
Ion Ratio Lower Upper
139 100
109 124.9 101.2 141.2
65 127.9 135.3 175.3#



#56
2,4-Dinitrotoluene
Concen: 15.57 ng
RT: 15.22 min Scan# 2107
Delta R.T. 0.00 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

Tgt Ion:165 Resp: 59644
Ion Ratio Lower Upper
165 100
63 69.4 44.0 66.0#
89 99.9 67.3 100.9
182 4.0 3.8 5.6





#57

Fluorene

Concen: 15.90 ng

RT: 15.88 min Scan# 2220

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

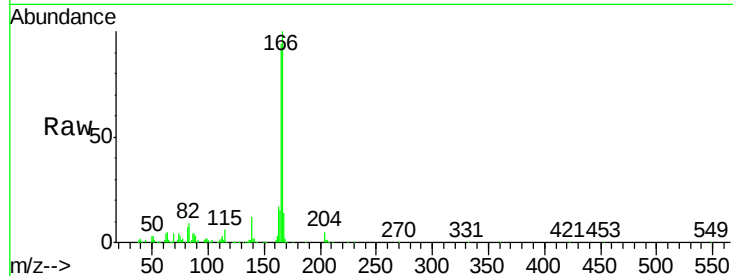
Tgt Ion:166 Resp: 185178

Ion Ratio Lower Upper

166 100

165 93.9 78.6 117.8

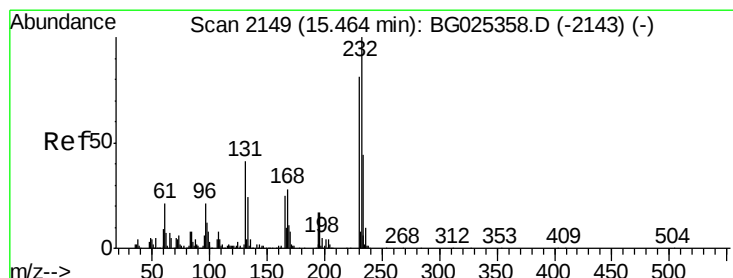
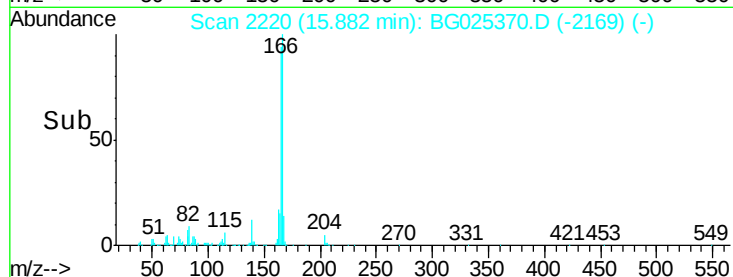
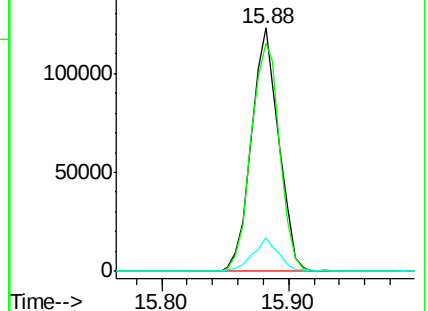
167 13.7 11.6 17.4



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: 15.00 ng

RT: 15.47 min Scan# 2150

Delta R.T. 0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Tgt Ion:232 Resp: 57770

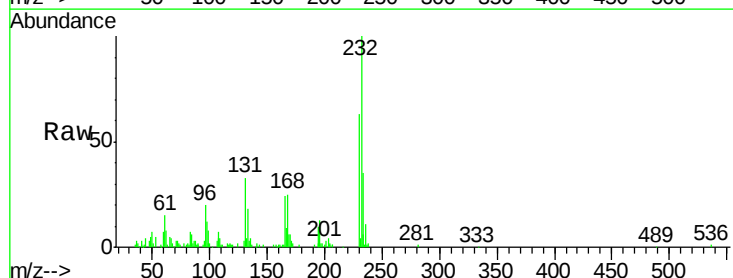
Ion Ratio Lower Upper

232 100

131 38.4 34.9 52.3

130 2.3 2.3 3.5

166 29.3 24.2 36.4

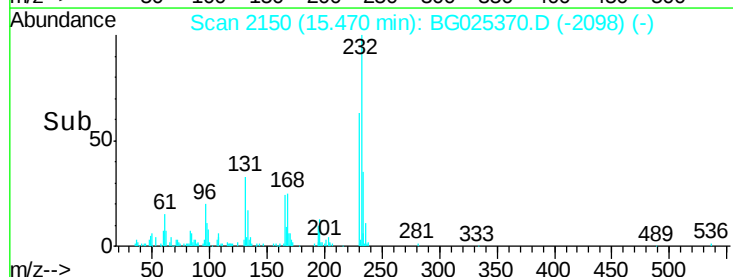
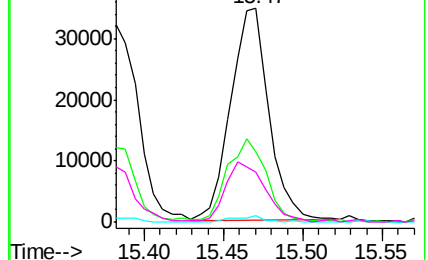


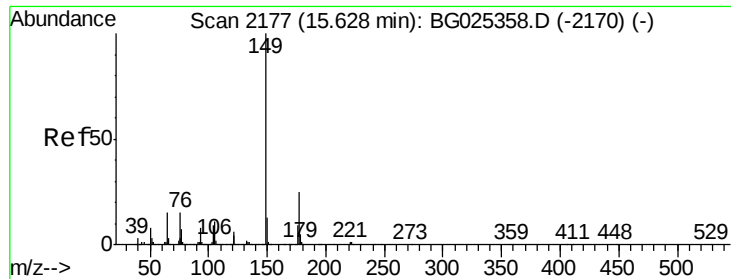
Abundance Ion 232.00 (231.70 to 232.70): E

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

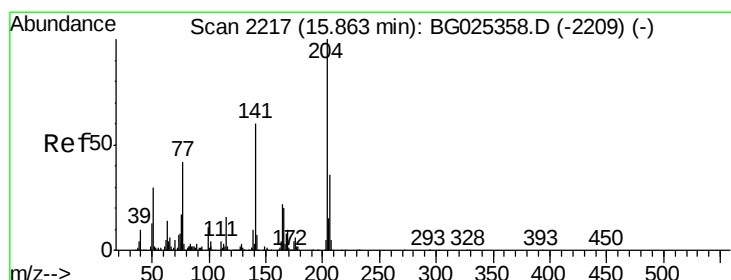
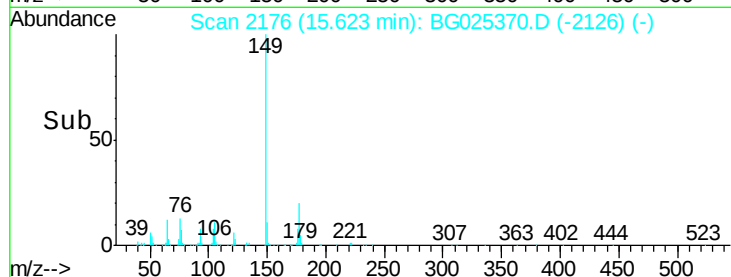
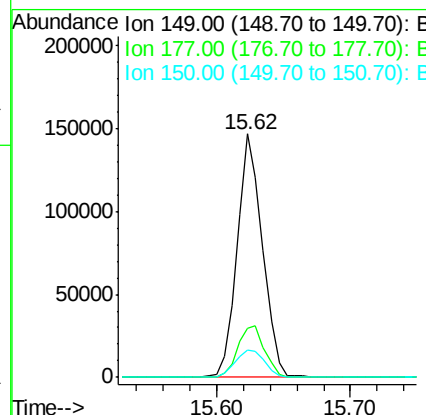
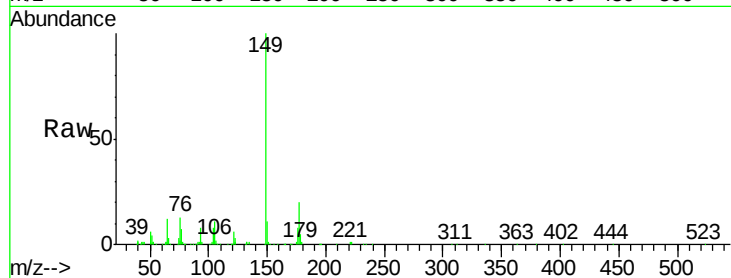




#59
Diethylphthalate
Concen: 15.31 ng
RT: 15.62 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

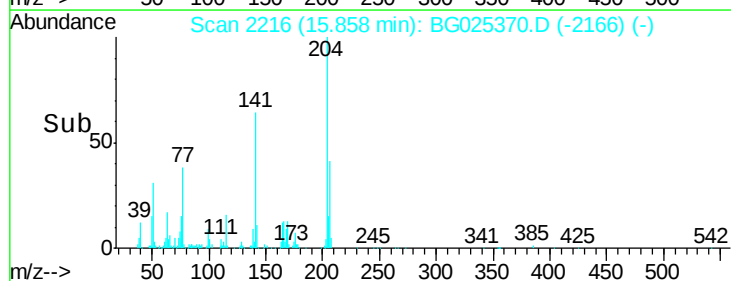
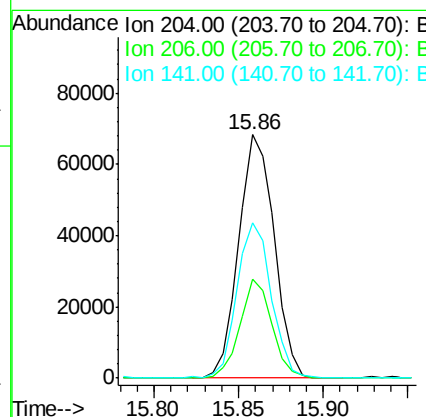
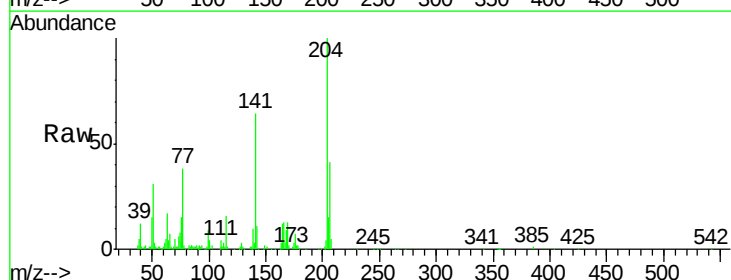
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

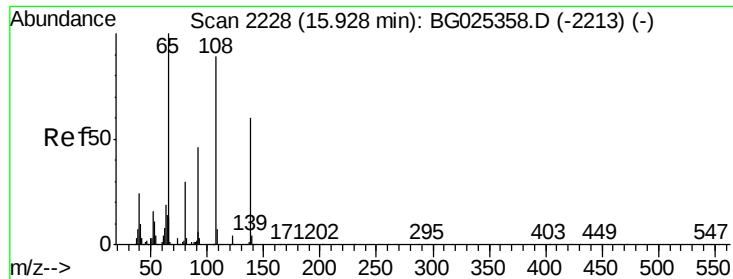
Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.3	20.1	30.1
150	11.4	10.2	15.2



#60
4-Chlorophenyl-phenylether
Concen: 15.13 ng
RT: 15.86 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

Tgt Ion	Ratio	Lower	Upper
204	100		
206	40.7	30.1	45.1
141	64.0	50.6	76.0





#61

4-Nitroaniline

Concen: 16.31 ng

RT: 15.92 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

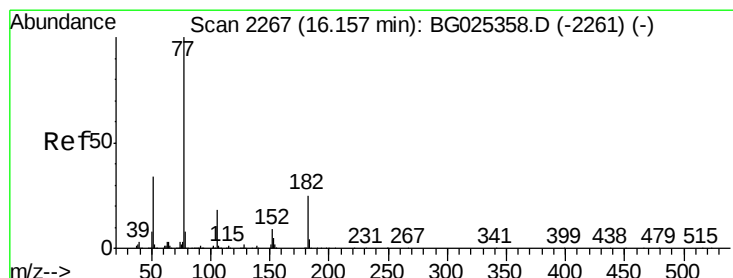
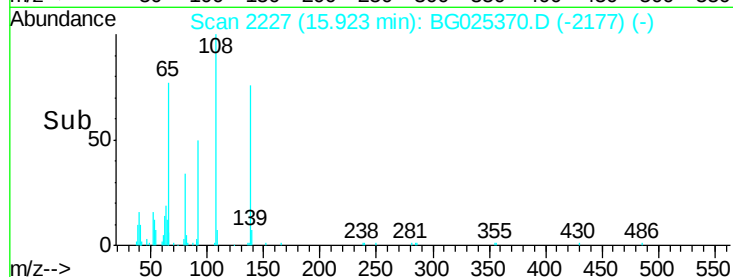
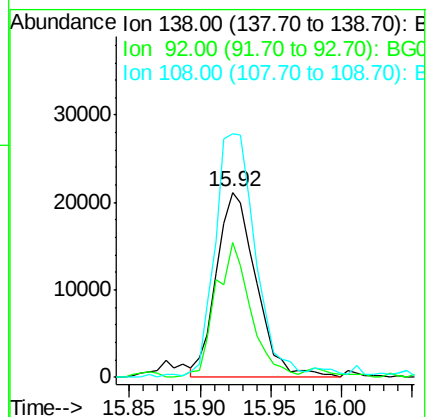
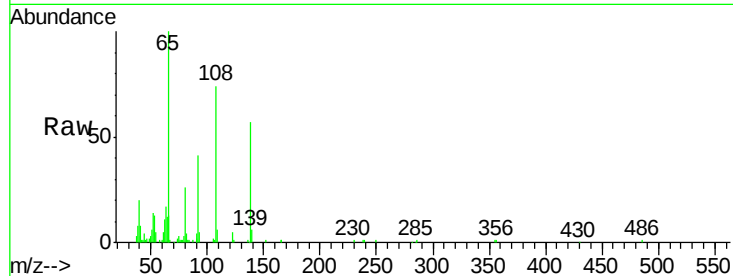
Tgt Ion:138 Resp: 41515

Ion Ratio Lower Upper

138 100

92 72.7 44.2 84.2

108 131.7 104.8 144.8



#62

Azobenzene

Concen: 15.72 ng

RT: 16.16 min Scan# 2267

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Tgt Ion: 77 Resp: 191409

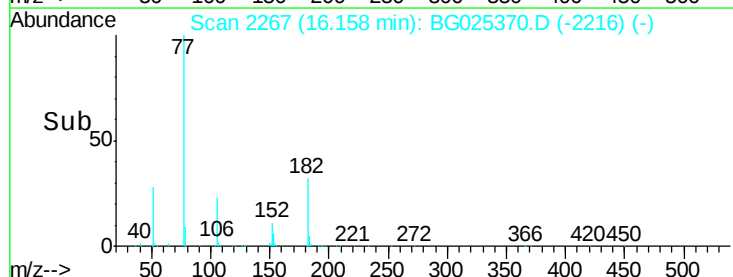
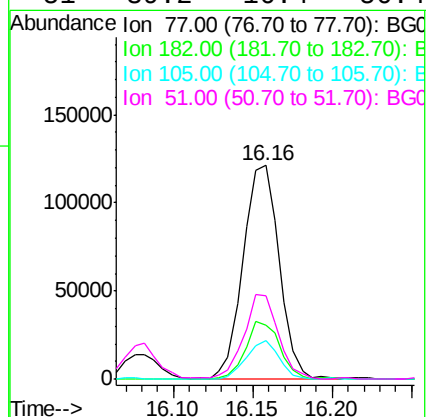
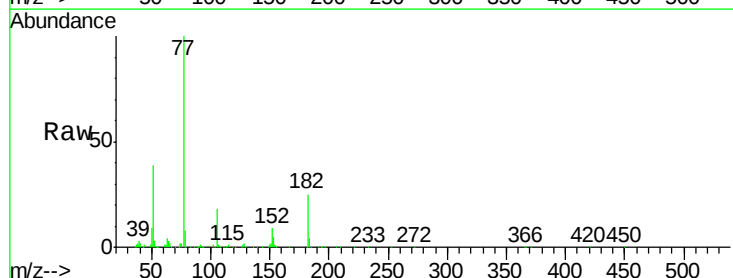
Ion Ratio Lower Upper

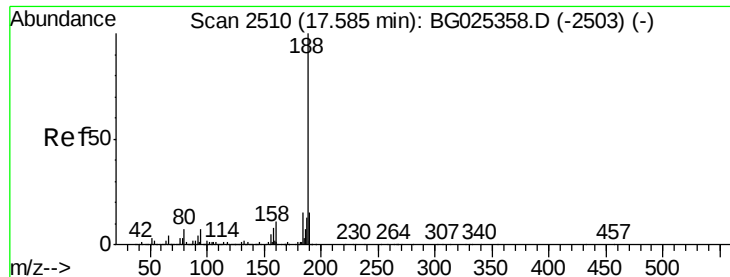
77 100

182 25.1 4.7 44.7

105 17.8 0.0 36.3

51 39.2 16.4 56.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.59 min Scan# 2510

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

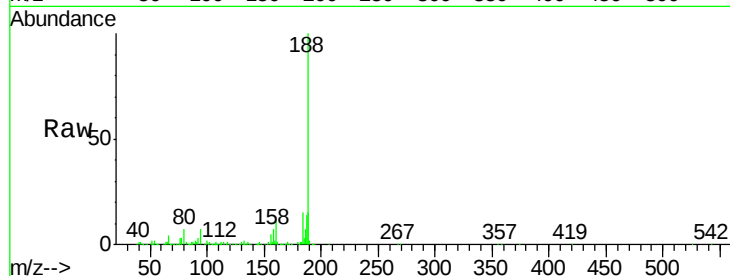
Tgt Ion:188 Resp: 392120

Ion Ratio Lower Upper

188 100

94 6.8 5.8 8.8

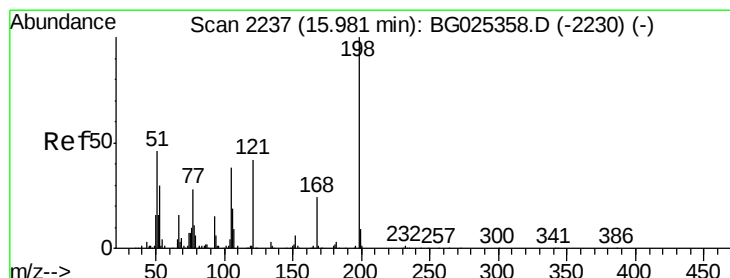
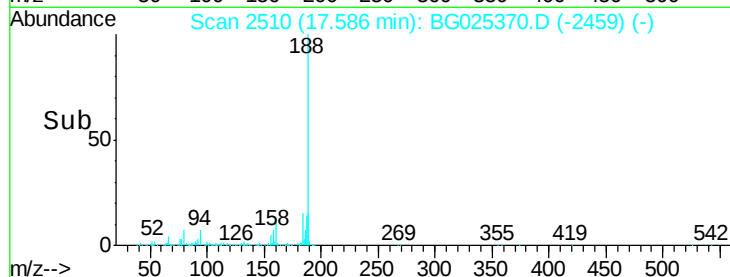
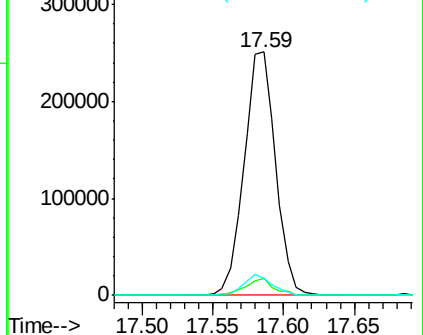
80 7.1 7.5 11.3#



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: 14.20 ng

RT: 15.98 min Scan# 2237

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

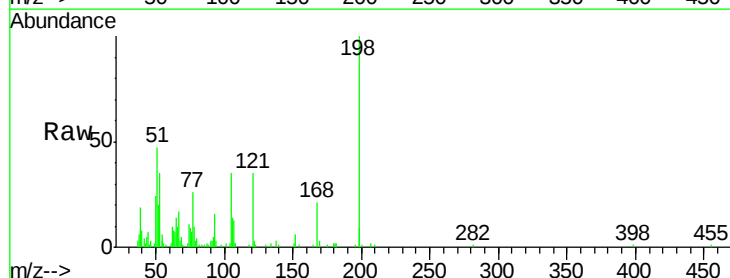
Tgt Ion:198 Resp: 38565

Ion Ratio Lower Upper

198 100

51 47.2 22.6 62.6

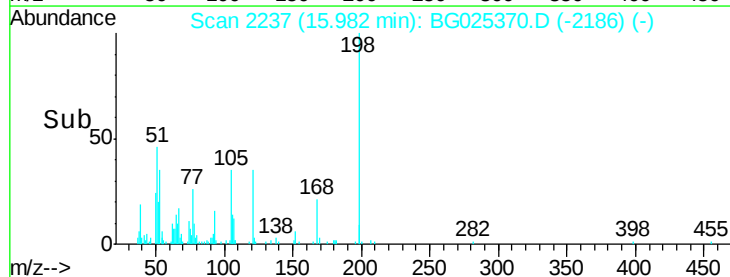
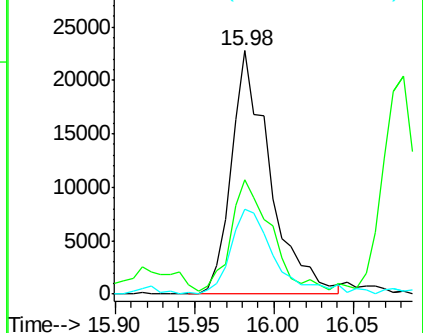
105 34.7 14.4 54.4

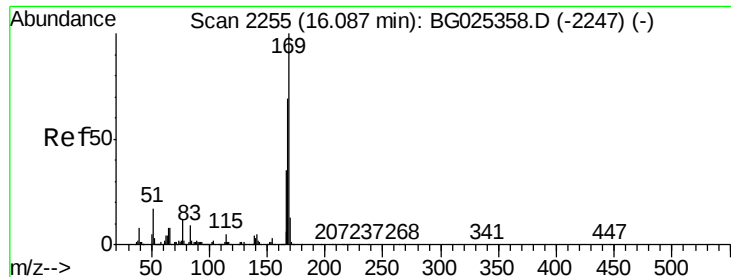


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 15.80 ng

RT: 16.08 min Scan# 2254

Delta R.T. -0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

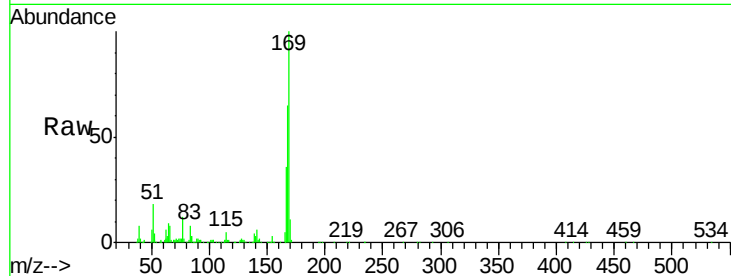
Tgt Ion:169 Resp: 167415

Ion Ratio Lower Upper

169 100

168 64.9 55.7 83.5

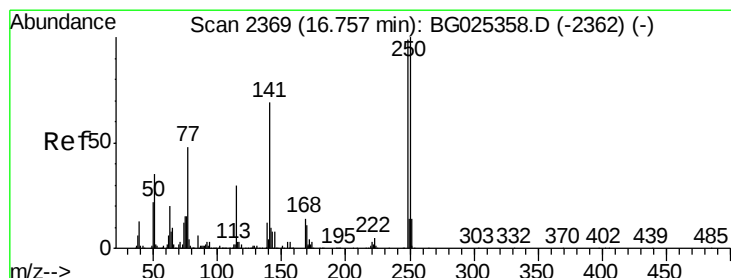
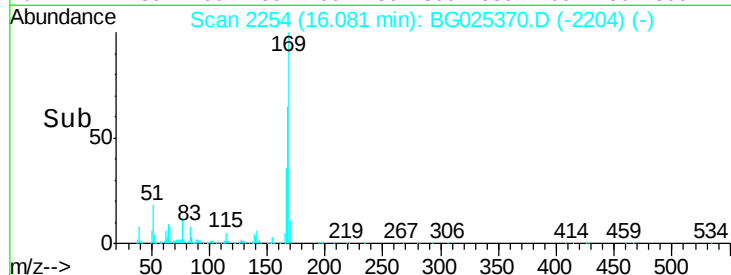
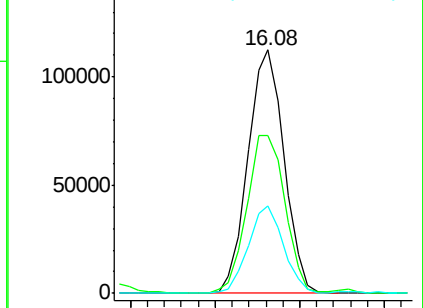
167 36.1 29.8 44.6



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 15.47 ng

RT: 16.76 min Scan# 2369

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

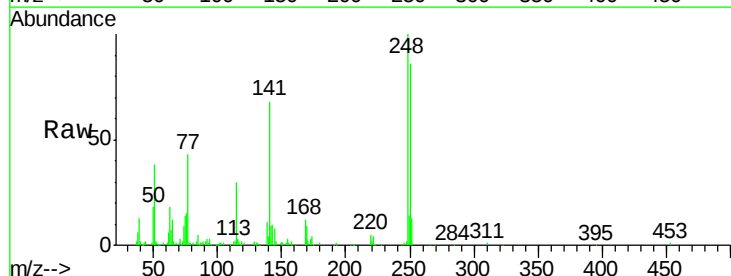
Tgt Ion:248 Resp: 74840

Ion Ratio Lower Upper

248 100

250 86.0 75.0 112.6

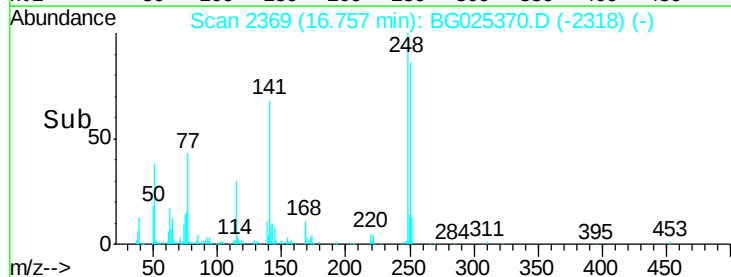
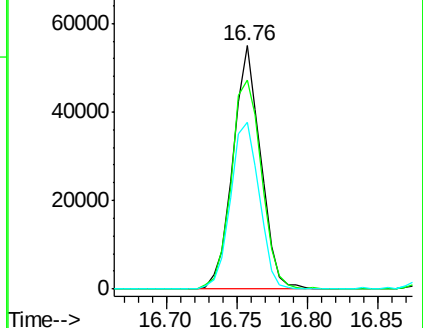
141 68.4 55.2 82.8

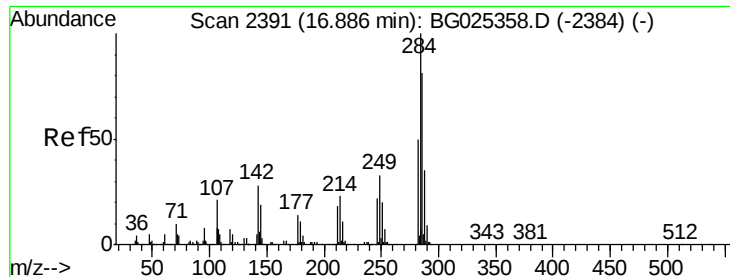


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

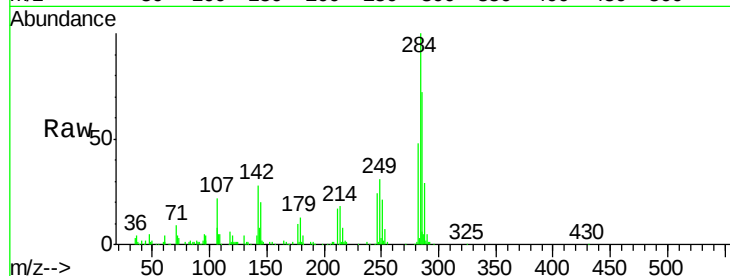




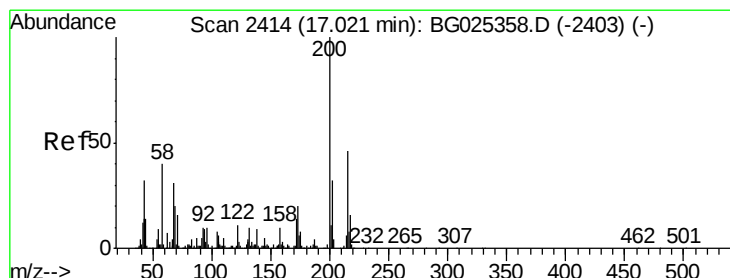
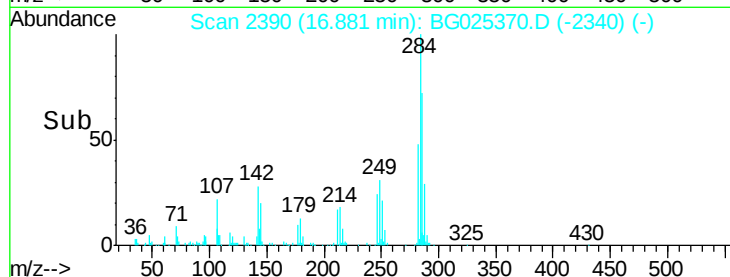
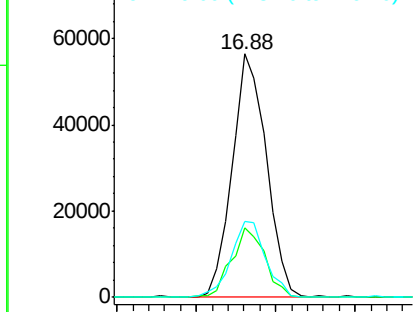
#67
Hexachlorobenzene
Concen: 15.19 ng
RT: 16.88 min Scan# 2390
Delta R.T. -0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.5	29.9	44.9#
249	31.4	29.2	43.8

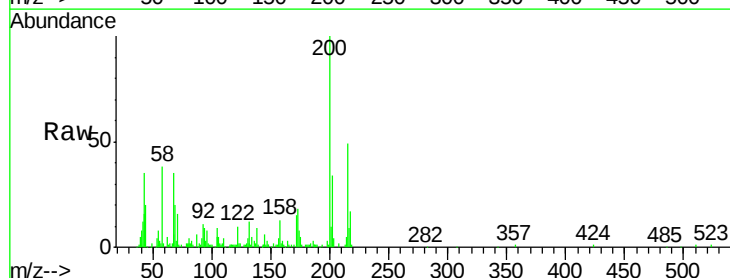


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

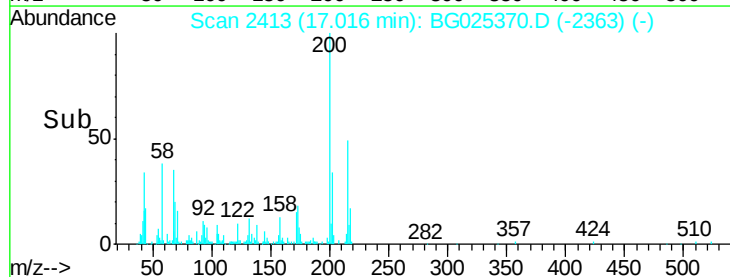
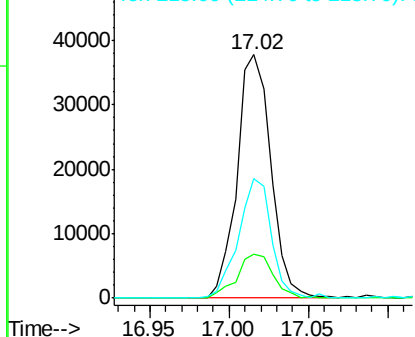


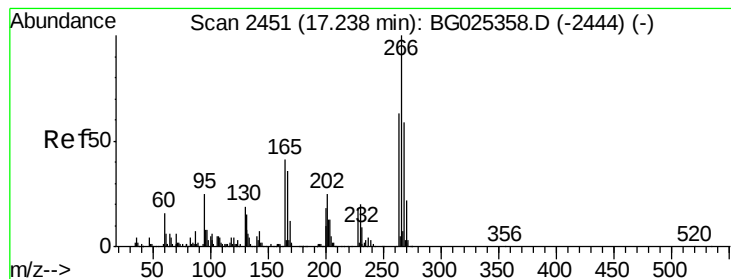
#68
Atrazine
Concen: 12.04 ng
RT: 17.02 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

Tgt Ion	Ratio	Lower	Upper
200	100		
173	18.2	3.0	43.0
215	48.9	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: 12.78 ng

RT: 17.24 min Scan# 2452

Delta R.T. 0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

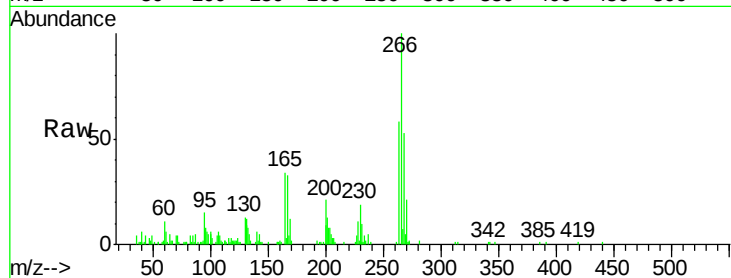
Tgt Ion:266 Resp: 36777

Ion Ratio Lower Upper

266 100

268 53.4 48.6 72.8

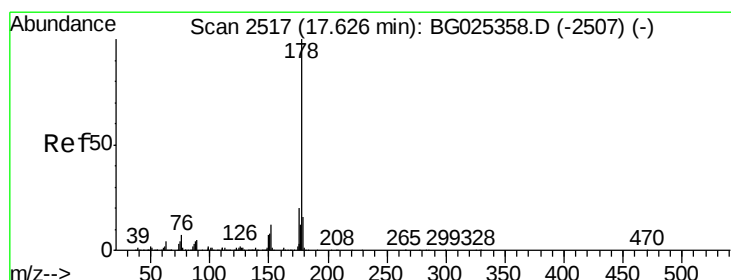
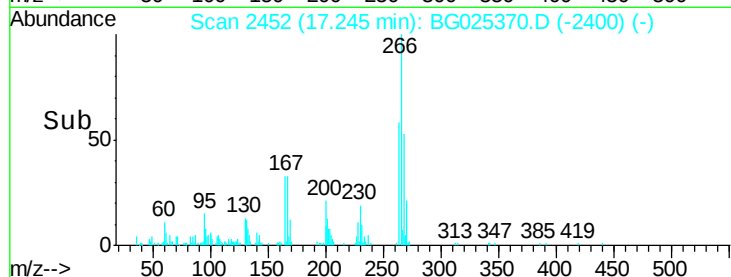
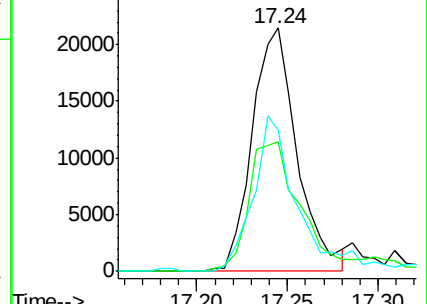
264 57.8 50.1 75.1



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



#70

Phenanthrene

Concen: 15.87 ng

RT: 17.63 min Scan# 2517

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

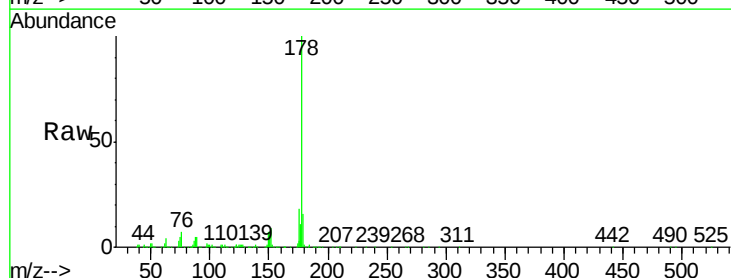
Tgt Ion:178 Resp: 320648

Ion Ratio Lower Upper

178 100

176 17.8 17.7 26.5

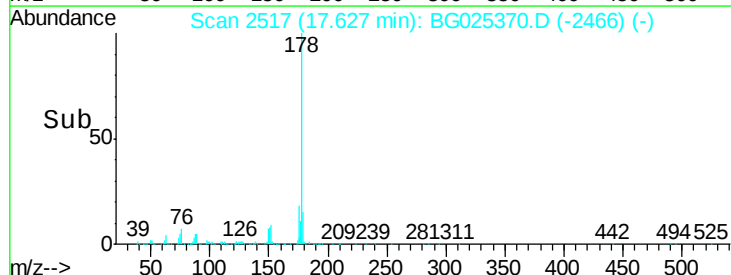
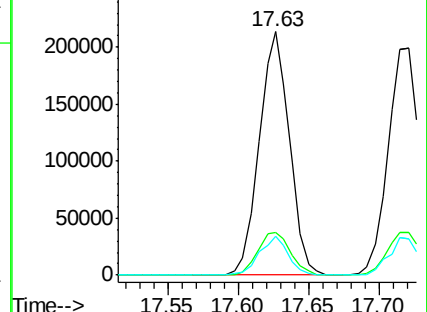
179 15.7 15.0 22.6

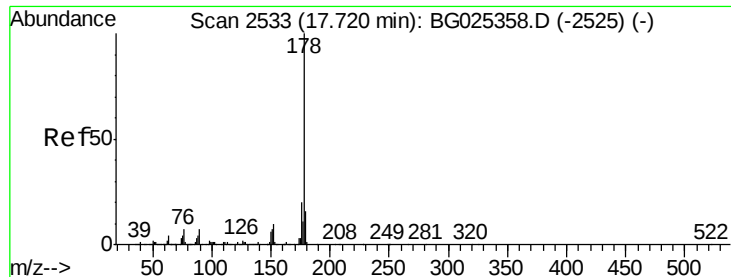


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

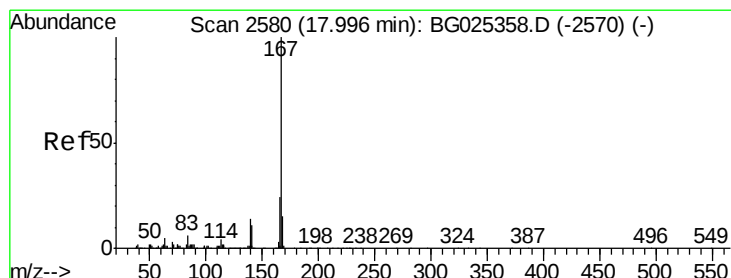
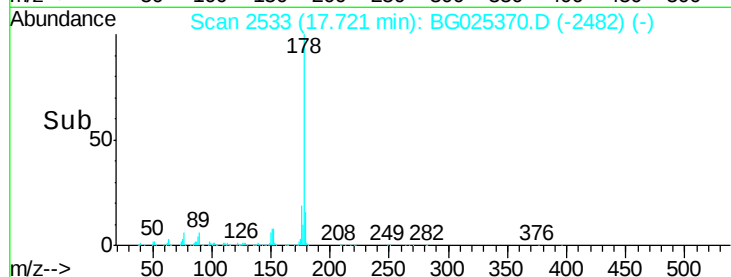
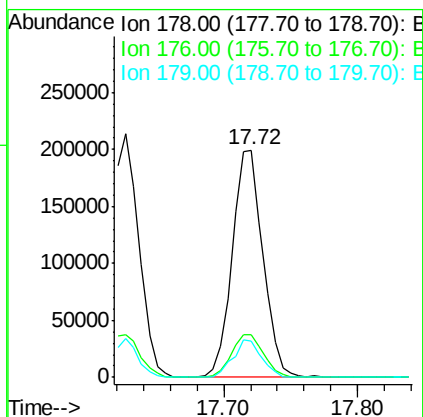
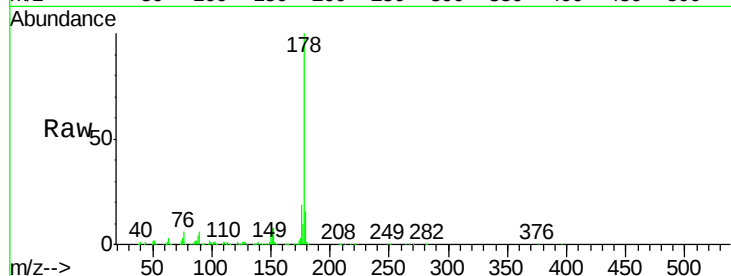




#71
 Anthracene
 Concen: 15.47 ng
 RT: 17.72 min Scan# 2533
 Delta R.T. 0.00 min
 Lab File: BG025370.D
 Acq: 21 Dec 2016 23:21

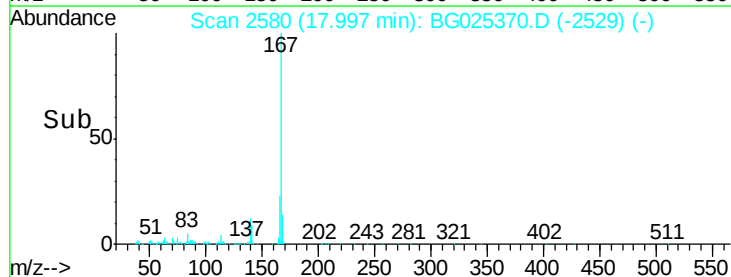
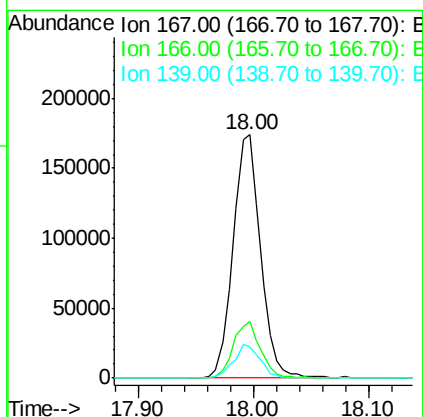
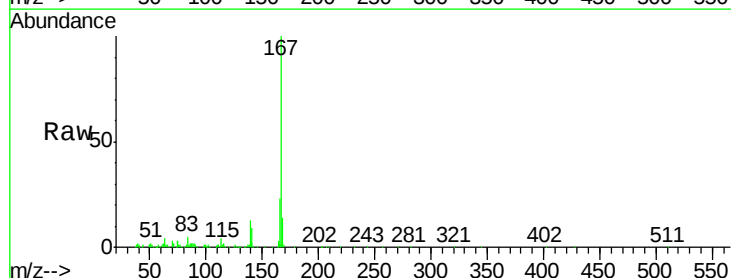
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

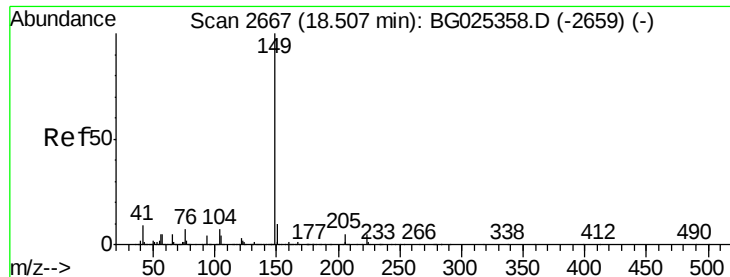
Tgt Ion:178 Resp: 317672
 Ion Ratio Lower Upper
 178 100
 176 18.6 16.4 24.6
 179 16.0 13.8 20.8



#72
 Carbazole
 Concen: 15.60 ng
 RT: 18.00 min Scan# 2580
 Delta R.T. 0.00 min
 Lab File: BG025370.D
 Acq: 21 Dec 2016 23:21

Tgt Ion:167 Resp: 286499
 Ion Ratio Lower Upper
 167 100
 166 23.2 20.2 30.2
 139 12.5 12.8 19.2#





#73

Di-n-butylphthalate

Concen: 15.77 ng

RT: 18.50 min Scan# 2666

Delta R.T. -0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

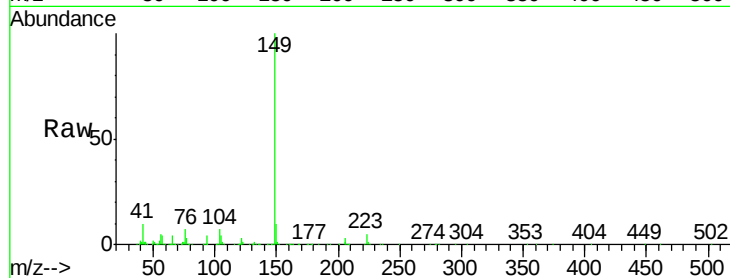
Tgt Ion:149 Resp: 356385

Ion Ratio Lower Upper

149 100

150 10.1 9.1 13.7

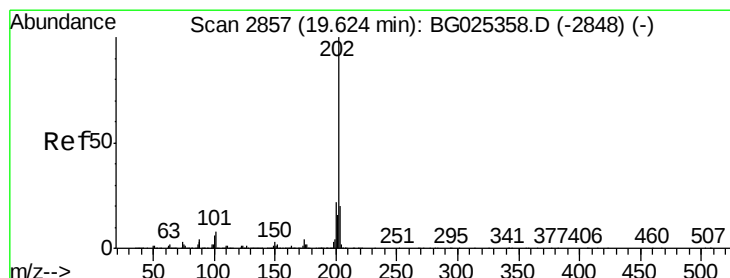
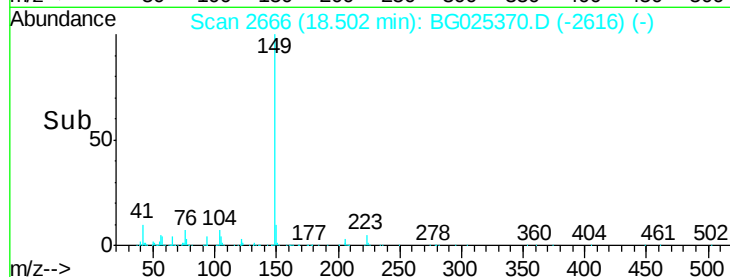
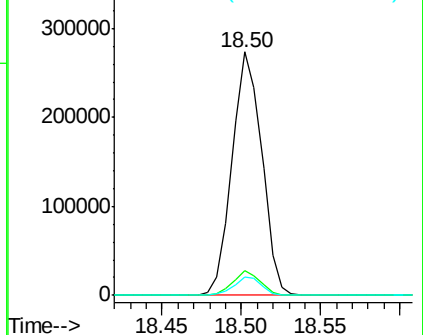
104 7.3 6.7 10.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 16.57 ng

RT: 19.62 min Scan# 2857

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

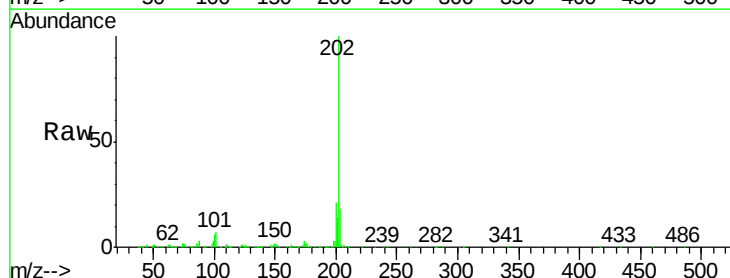
Tgt Ion:202 Resp: 442314

Ion Ratio Lower Upper

202 100

101 7.3 0.0 30.1

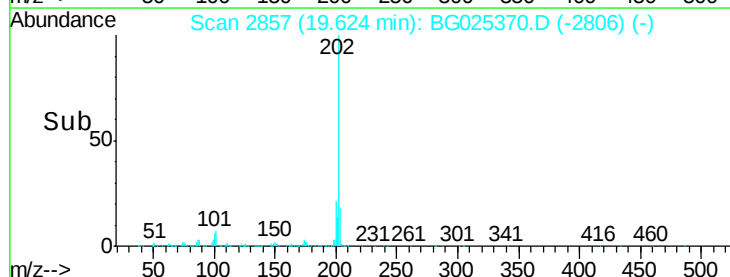
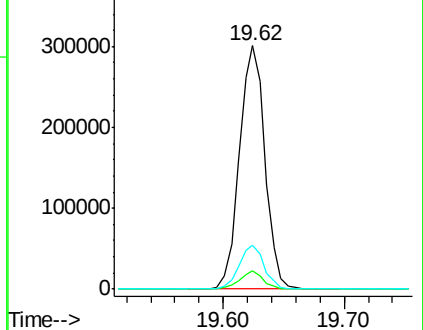
203 18.2 1.3 41.3

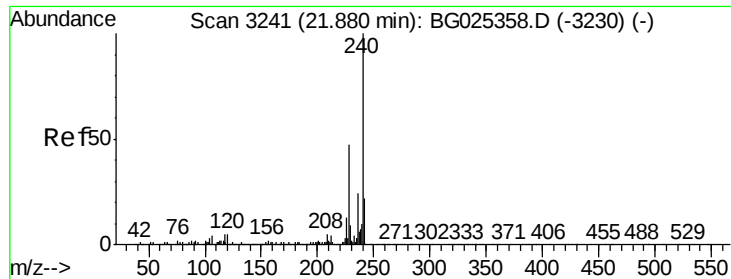


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.87 min Scan# 3240

Delta R.T. -0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

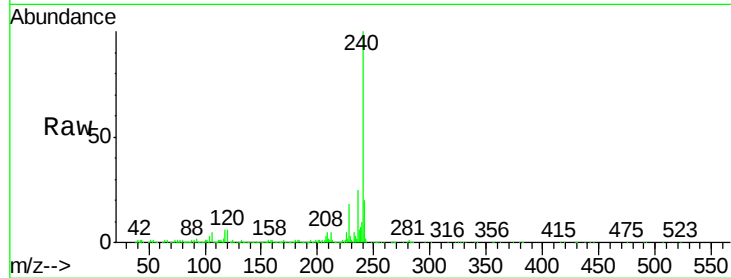
Tgt Ion:240 Resp: 564886

Ion Ratio Lower Upper

240 100

120 5.5 5.7 8.5#

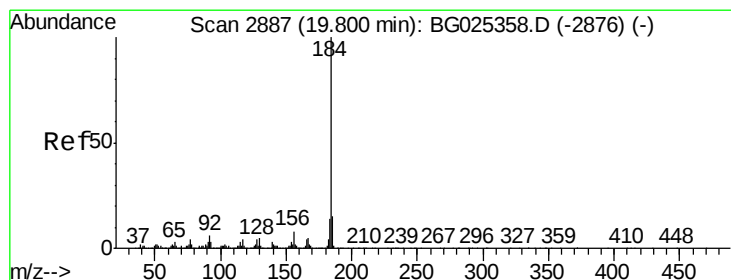
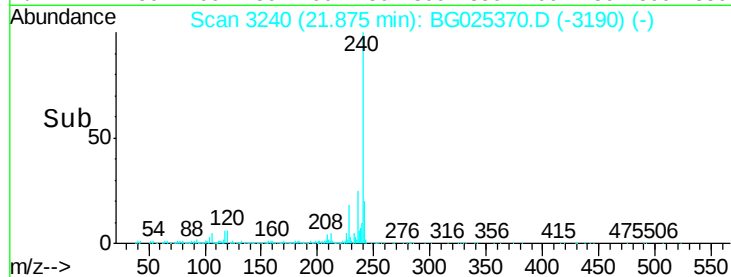
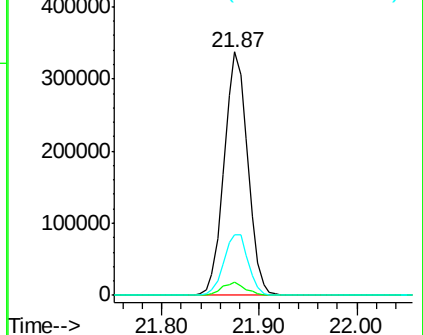
236 25.0 22.2 33.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 9.75 ng

RT: 19.80 min Scan# 2887

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

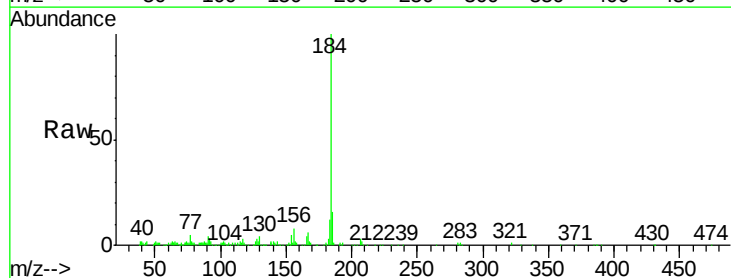
Tgt Ion:184 Resp: 137390

Ion Ratio Lower Upper

184 100

185 16.2 13.0 19.6

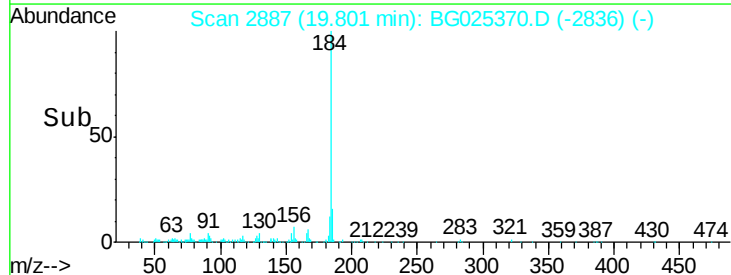
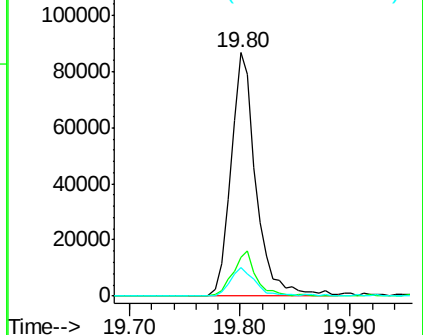
183 11.6 11.0 16.6

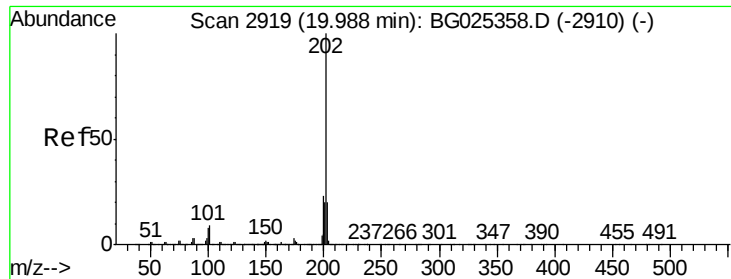


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 15.71 ng

RT: 19.99 min Scan# 2919

Delta R.T. 0.00 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

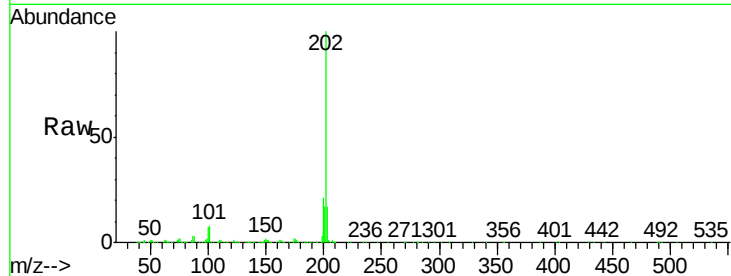
Instrument :

BNA_G

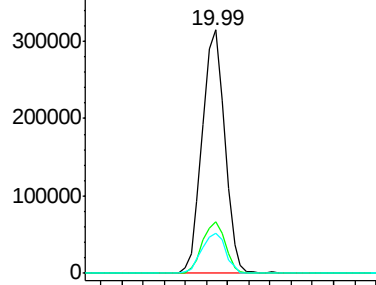
ClientSampleId :

LOQ-SOIL-02-QT1-2017

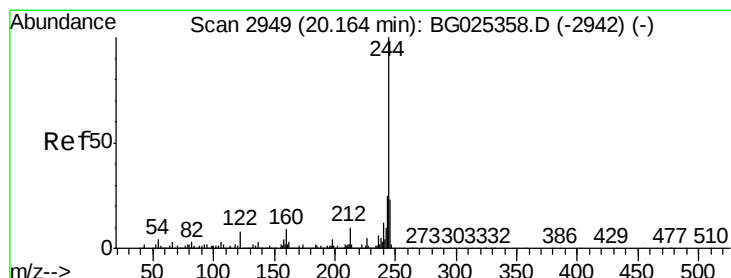
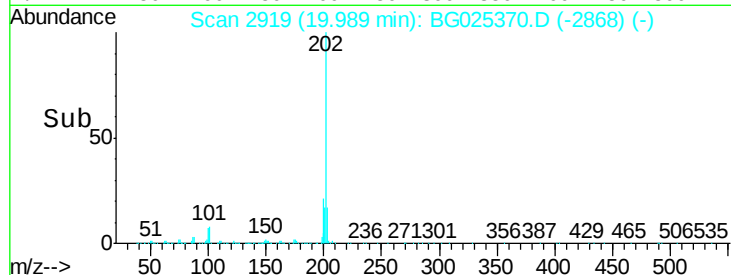
Tgt Ion:	202	Resp:	463824
Ion Ratio		Lower	Upper
202	100		
200	21.1	19.6	29.4
203	16.7	15.8	23.8



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-->



#78

Terphenyl-d14

Concen: 101.15 ng

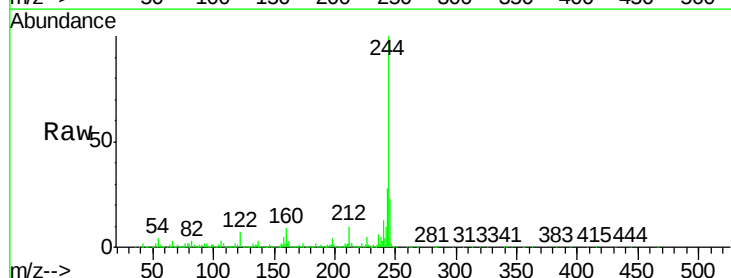
RT: 20.16 min Scan# 2949

Delta R.T. 0.00 min

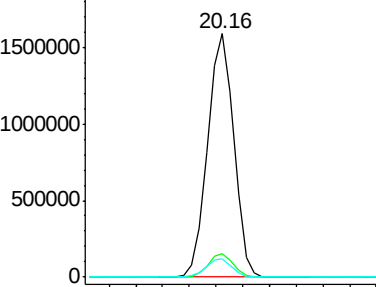
Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

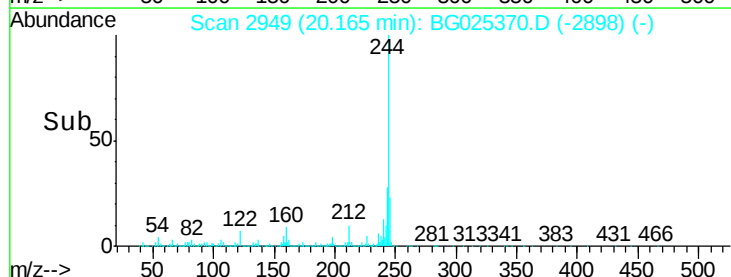
Tgt Ion:	244	Resp:	2155003
Ion Ratio		Lower	Upper
244	100		
212	9.6	10.0	15.0#
122	7.3	8.6	12.8#

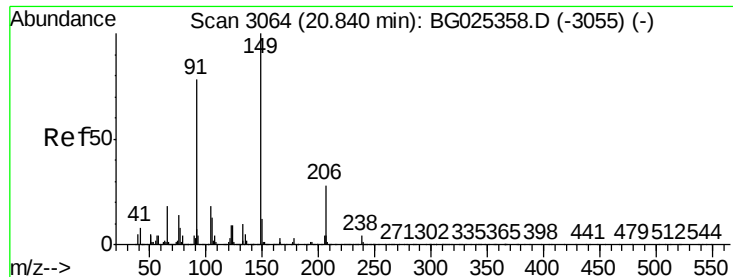


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->

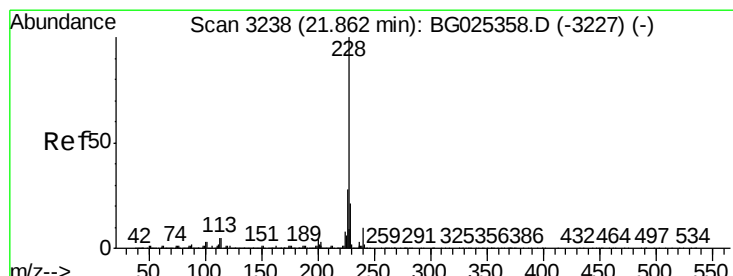
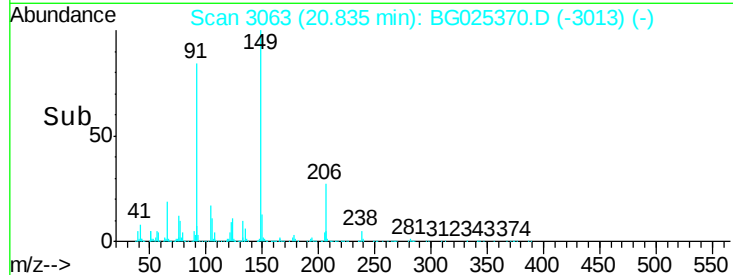
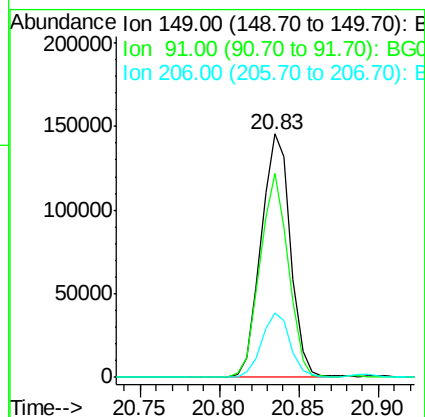
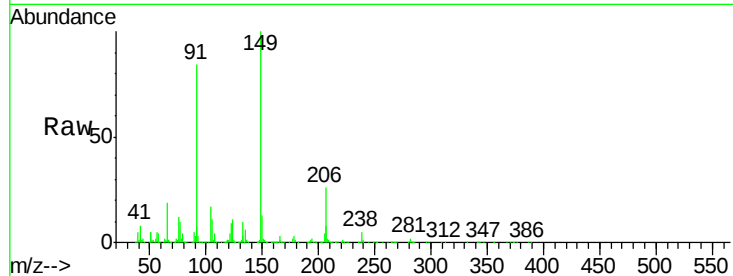




#79
Butylbenzylphthalate
Concen: 15.93 ng
RT: 20.83 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

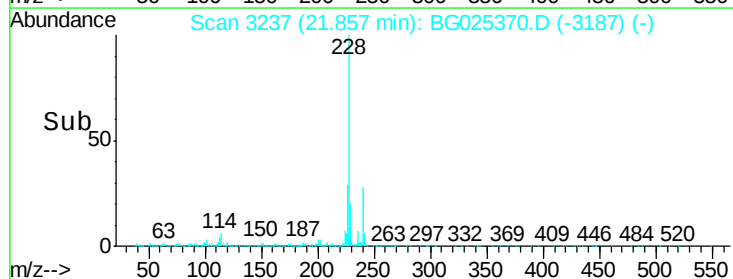
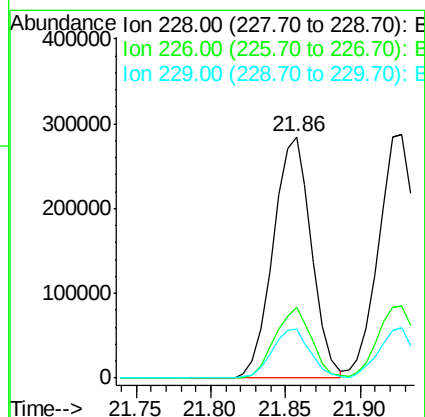
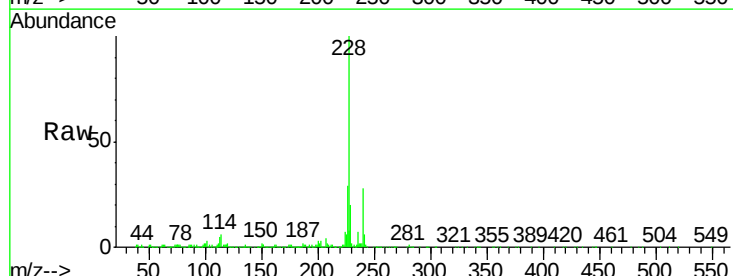
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2017

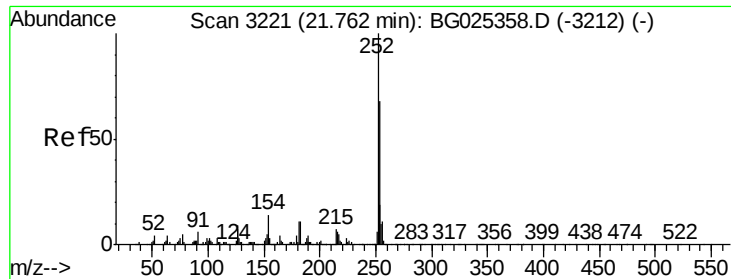
Tgt Ion	Ratio	Lower	Upper
149	100		
91	84.0	63.5	95.3
206	26.4	21.0	31.6



#80
Benzo(a)anthracene
Concen: 16.03 ng
RT: 21.86 min Scan# 3237
Delta R.T. -0.01 min
Lab File: BG025370.D
Acq: 21 Dec 2016 23:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.9	37.3
229	20.1	18.2	27.2

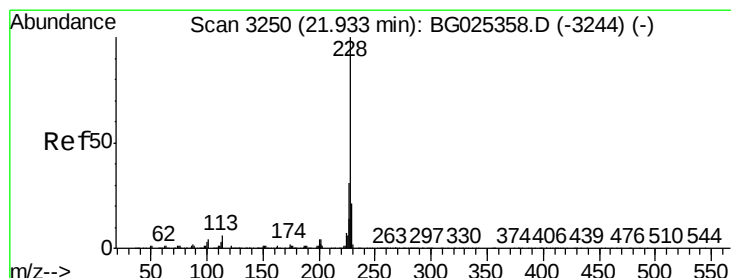
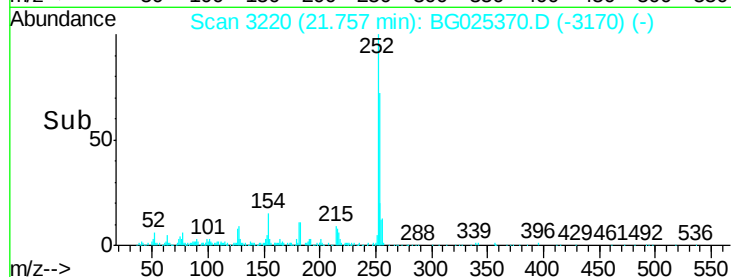
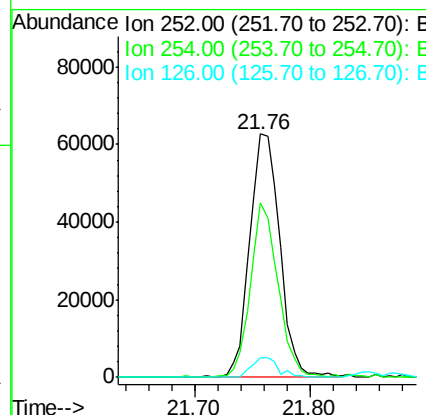
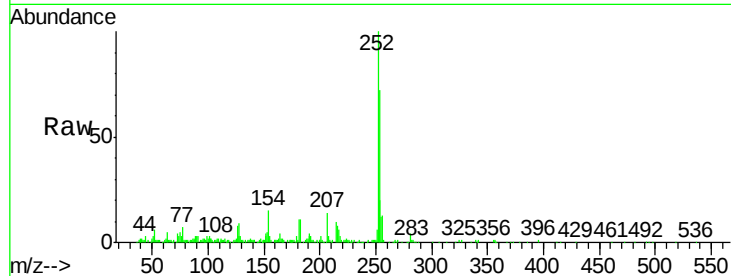




#81
 3,3'-Dichlorobenzidine
 Concen: 9.35 ng
 RT: 21.76 min Scan# 3220
 Delta R.T. -0.01 min
 Lab File: BG025370.D
 Acq: 21 Dec 2016 23:21

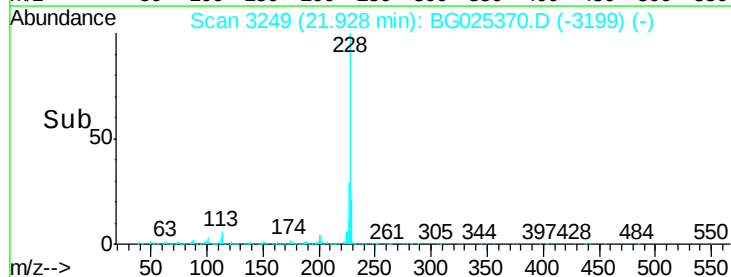
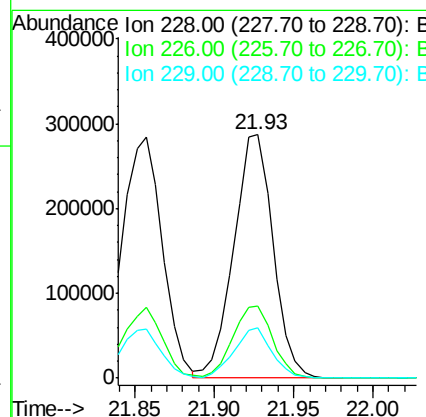
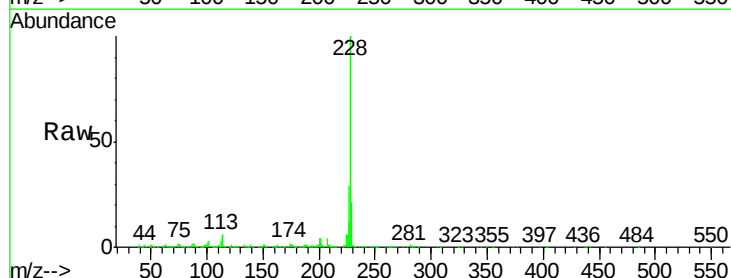
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

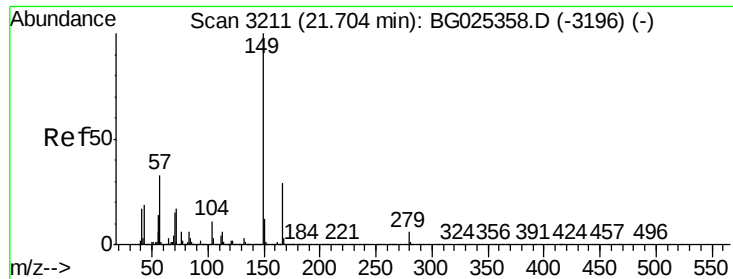
Tgt Ion	Ratio	Lower	Upper
252	100		
254	71.6	53.1	79.7
126	8.0	7.0	10.4



#82
 Chrysene
 Concen: 16.34 ng
 RT: 21.93 min Scan# 3249
 Delta R.T. -0.01 min
 Lab File: BG025370.D
 Acq: 21 Dec 2016 23:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	27.0	40.4
229	20.8	17.8	26.6

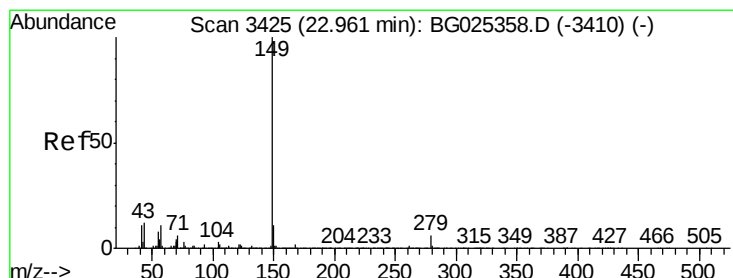
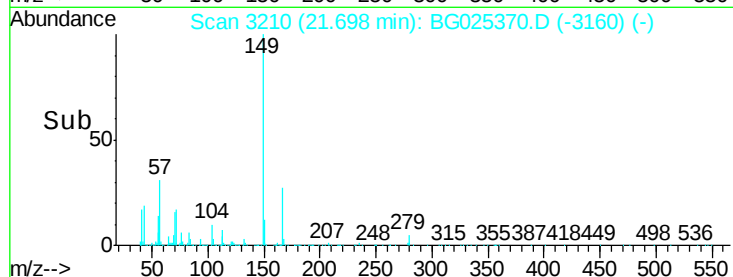
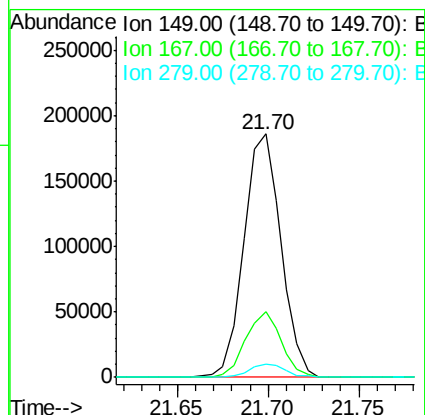
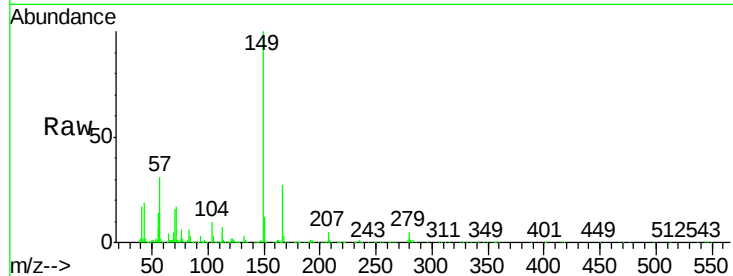




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 16.07 ng
 RT: 21.70 min Scan# 3210
 Delta R.T. -0.01 min
 Lab File: BG025370.D
 Acq: 21 Dec 2016 23:21

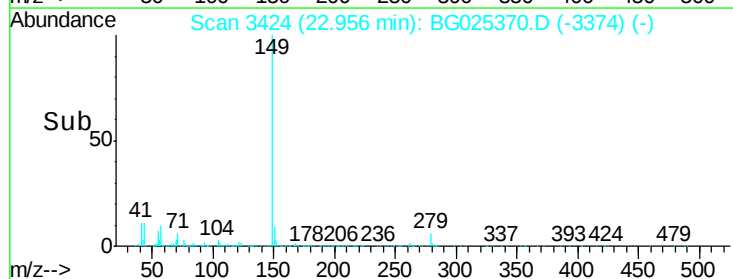
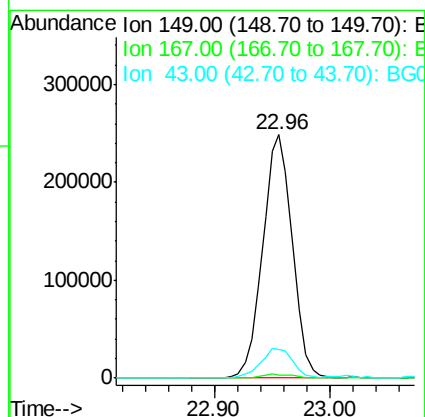
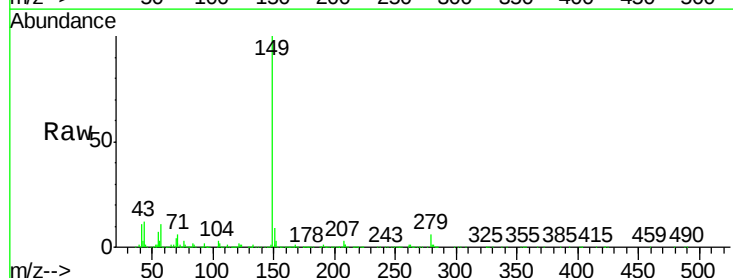
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2017

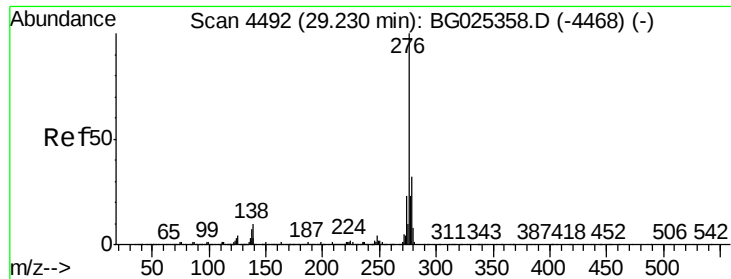
Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	23.7	35.5
279	5.5	4.6	6.8



#84
 Di-n-octyl phthalate
 Concen: 16.12 ng
 RT: 22.96 min Scan# 3424
 Delta R.T. -0.01 min
 Lab File: BG025370.D
 Acq: 21 Dec 2016 23:21

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.2
43	12.8	11.8	17.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 15.79 ng

RT: 29.21 min Scan# 4489

Delta R.T. -0.02 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

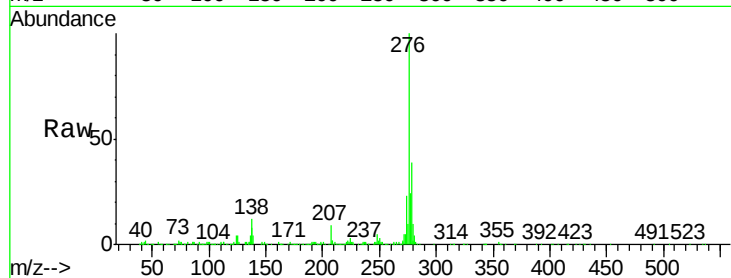
Tgt Ion:276 Resp: 606405

Ion Ratio Lower Upper

276 100

138 7.6 4.7 7.1#

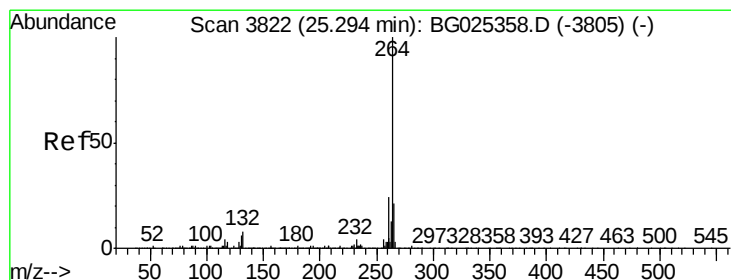
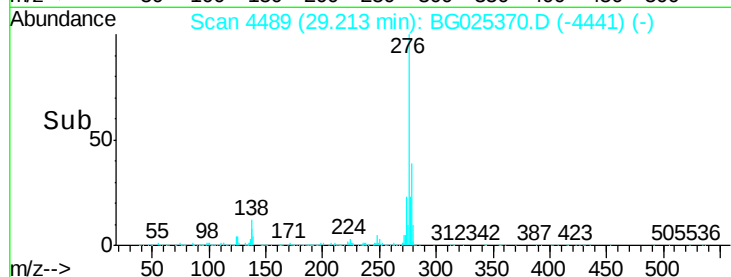
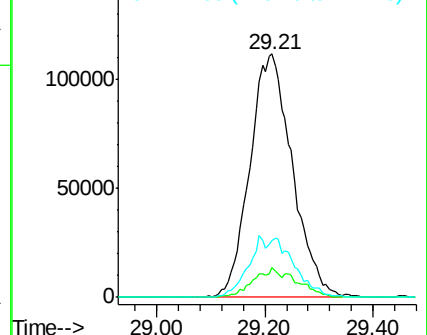
277 0.0 20.6 31.0#



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: BG025370.D

Acq: 21 Dec 2016 23:21

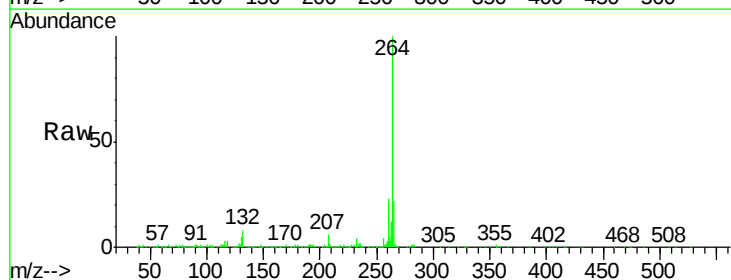
Tgt Ion:264 Resp: 598850

Ion Ratio Lower Upper

264 100

260 23.2 21.8 32.8

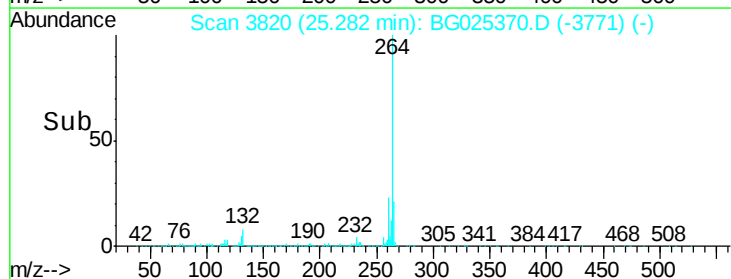
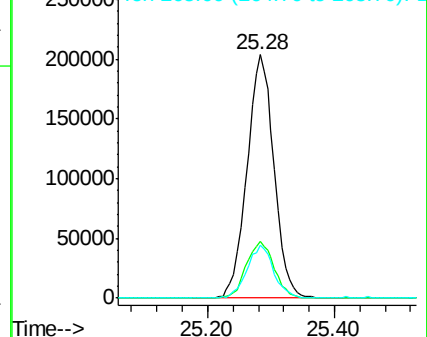
265 21.6 18.2 27.4

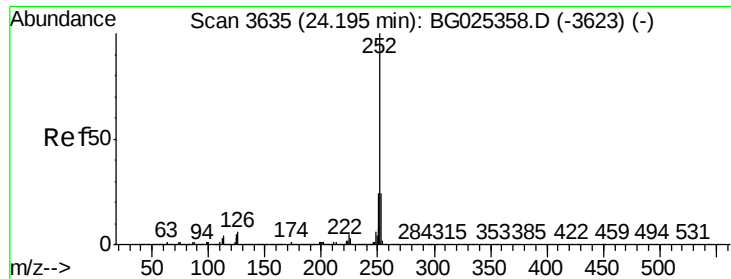


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 16.04 ng

RT: 24.19 min Scan# 3634

Delta R.T. -0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

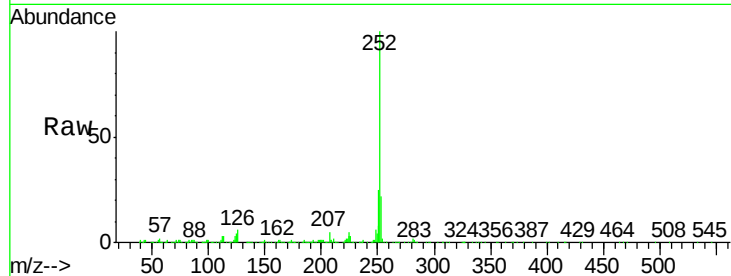
Instrument :

BNA_G

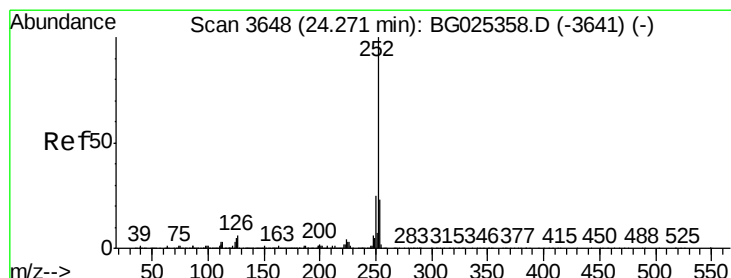
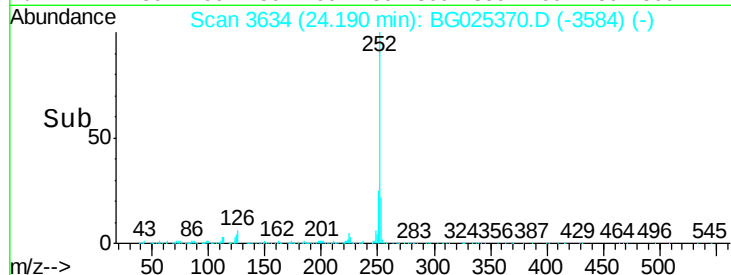
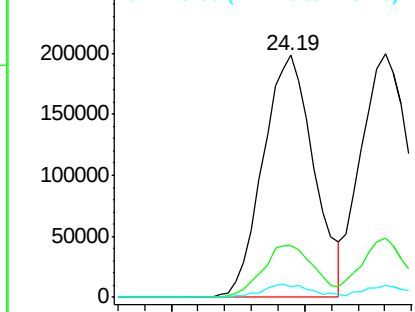
ClientSampleId :

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Tgt Ion:	252	Resp:	524029
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.7	28.1
125	4.2	5.3	7.9#



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



#88

Benzo(k)fluoranthene

Concen: 15.67 ng

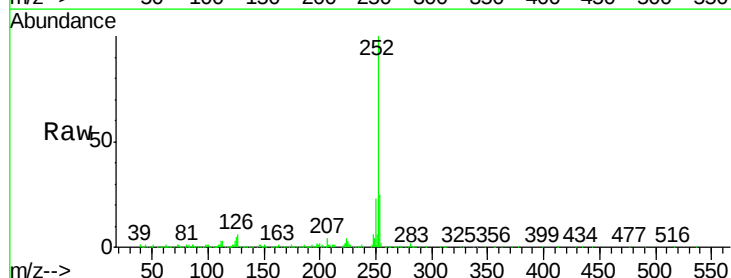
RT: 24.26 min Scan# 3646

Delta R.T. -0.01 min

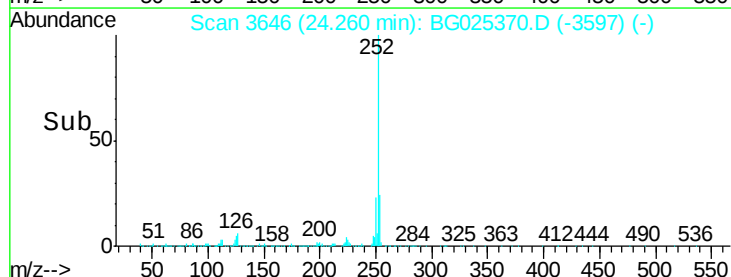
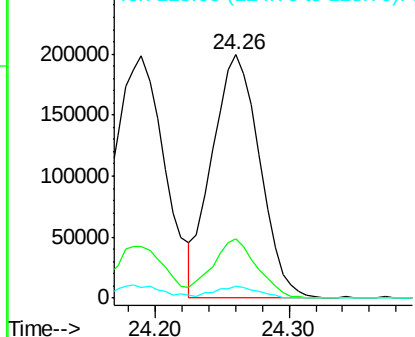
Lab File: BG025370.D

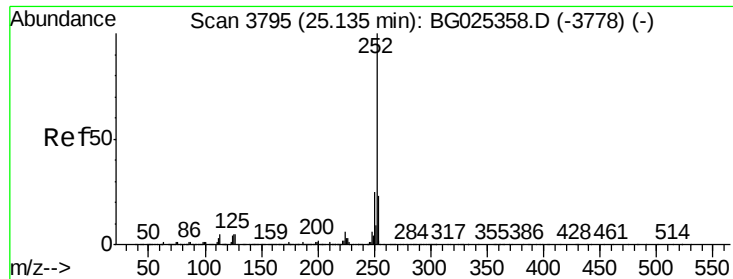
Acq: 21 Dec 2016 23:21

Tgt Ion:	252	Resp:	494450
Ion Ratio	Lower	Upper	
252	100		
253	24.6	20.2	30.2
125	5.1	5.1	7.7#



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





#89

Benzo(a)pyrene

Concen: 16.00 ng

RT: 25.12 min Scan# 3793

Delta R.T. -0.01 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

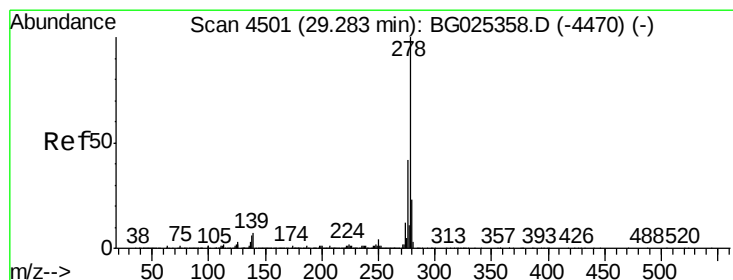
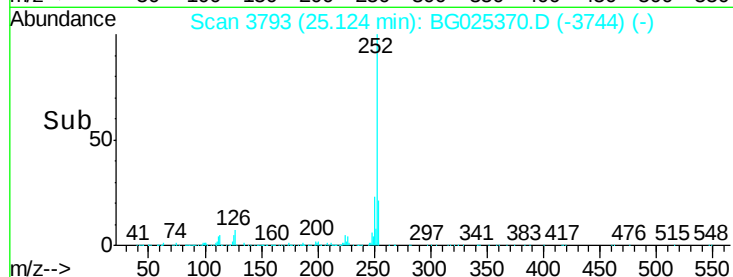
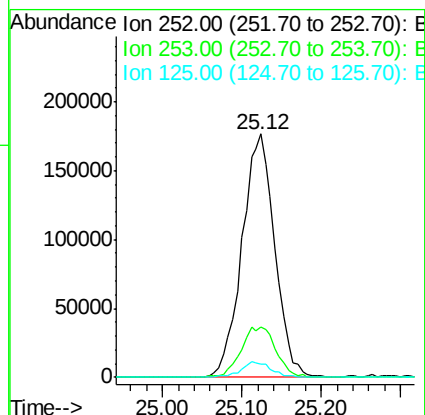
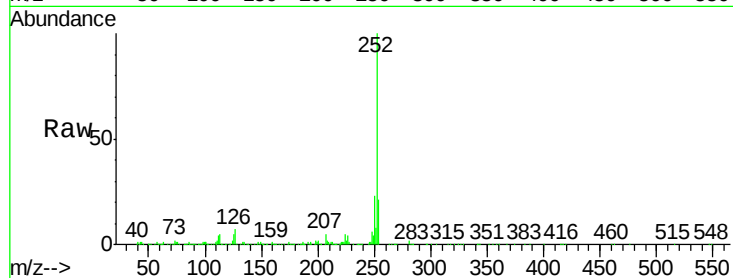
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tgt Ion:	252	Resp:	504846
Ion Ratio		Lower	Upper
252	100		
253	20.9	19.2	28.8
125	5.3	5.4	8.0#



#90

Dibenzo(a,h)anthracene

Concen: 15.52 ng

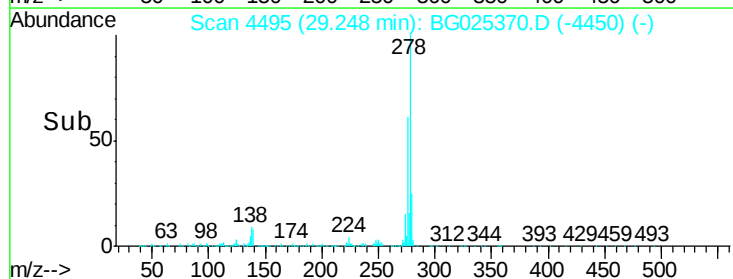
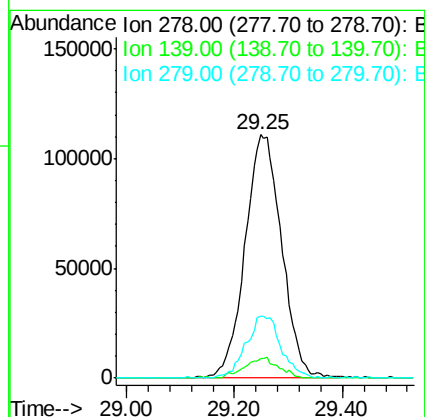
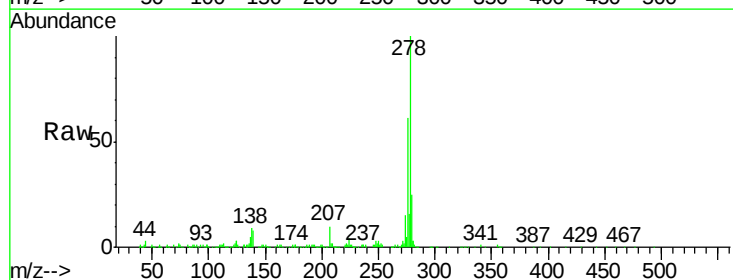
RT: 29.25 min Scan# 4495

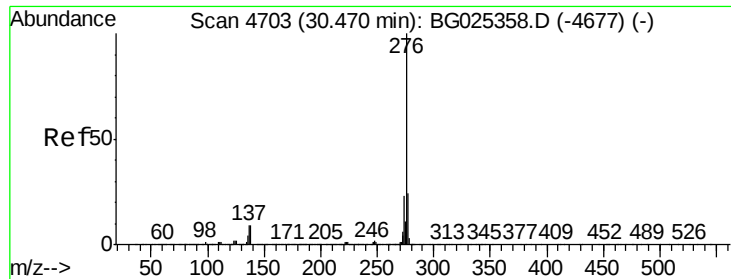
Delta R.T. -0.03 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Tgt Ion:	278	Resp:	519052
Ion Ratio		Lower	Upper
278	100		
139	8.2	7.7	11.5
279	25.4	19.1	28.7





#91

Benzo(g,h,i)perylene

Concen: 15.54 ng

RT: 30.44 min Scan# 4698

Delta R.T. -0.03 min

Lab File: BG025370.D

Acq: 21 Dec 2016 23:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2017

Tgt Ion: 276 Resp: 516404

Ion Ratio Lower Upper

276 100

277 21.1 18.6 27.8

138 8.2 8.1 12.1

