

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
 Data File : BG035847.D
 Acq On : 24 Jul 2018 14:44
 Operator : JU/SJ
 Sample : J3762-02
 Misc : LOO 20PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Quant Time: Jul 25 01:42:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 14:48:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	37517	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	137939	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	96902	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	268730	20.00	ng	0.00
75) Chrysene-d12	21.66	240	297295	20.00	ng	0.00
86) Perylene-d12	24.85	264	281041	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	294492	130.32	ng	0.00
7) Phenol-d6	7.20	99	416761	123.61	ng	0.00
23) Nitrobenzene-d5	9.19	82	281382	85.22	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	187866	147.09	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	649101	89.74	ng	0.00
78) Terphenyl-d14	20.00	244	1379219	102.26	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	18234	15.854	ng	# 69
3) Pyridine	3.92	79	47364	15.775	ng	# 68
4) n-Nitrosodimethylamine	3.83	42	17363	13.468	ng	# 70
6) Aniline	7.35	93	58221	13.323	ng	99
8) 2-Chlorophenol	7.60	128	43252	18.819	ng	96
9) Benzaldehyde	7.17	77	44311	21.420	ng	98
10) Phenol	7.23	94	66155	19.422	ng	100
11) bis(2-Chloroethyl)ether	7.45	93	46487	17.427	ng	88
12) 1,3-Dichlorobenzene	7.92	146	52509	18.920	ng	95
13) 1,4-Dichlorobenzene	8.06	146	53060	18.816	ng	91
14) 1,2-Dichlorobenzene	8.38	146	50138	18.508	ng	92
15) Benzyl Alcohol	8.27	79	49634	16.212	ng	# 86
16) 2,2'-oxybis(1-Chloropropan	8.55	45	50884	22.752	ng	80
17) 2-Methylphenol	8.48	107	44689	19.297	ng	94
18) Hexachloroethane	9.11	117	19697	18.268	ng	91
19) n-Nitroso-di-n-propylamine	8.83	70	41497	14.616	ng	# 78
20) 3+4-Methylphenols	8.80	107	58048	18.068	ng	89
22) Acetophenone	8.85	105	76680	17.876	ng	# 90
24) Nitrobenzene	9.23	77	64926	19.552	ng	96
25) Isophorone	9.75	82	117879	19.231	ng	97
26) 2-Nitrophenol	9.95	139	24714	20.955	ng	# 93
27) 2,4-Dimethylphenol	10.00	122	45695	22.889	ng	94
28) bis(2-Chloroethoxy)methane	10.23	93	62774	18.586	ng	93
29) 2,4-Dichlorophenol	10.49	162	50313	22.078	ng	87
30) 1,2,4-Trichlorobenzene	10.69	180	57594	20.611	ng	96
31) Naphthalene	10.88	128	141003	19.624	ng	97
32) Benzoic acid	10.13	122	13369	9.948	ng	# 88
33) 4-Chloroaniline	11.00	127	40971	13.083	ng	# 92
34) Hexachlorobutadiene	11.16	225	44878	20.595	ng	96
35) Caprolactam	11.75	113	16312	16.680	ng	# 54
36) 4-Chloro-3-methylphenol	12.11	107	62111	20.334	ng	93
37) 2-Methylnaphthalene	12.48	142	109449	20.446	ng	92
39) 1,2,4,5-Tetrachlorobenzene	12.85	216	77048	21.066	ng	98
40) Hexachlorocyclopentadiene	12.82	237	35611	18.566	ng	81

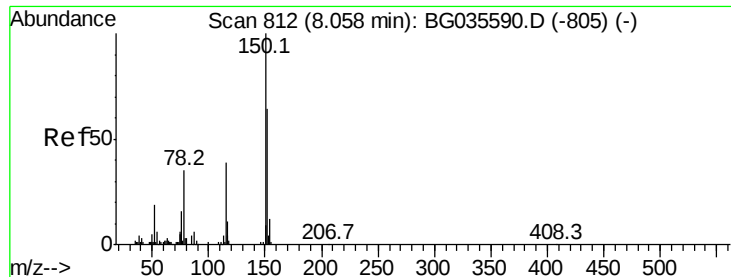
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
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Quant Time: Jul 25 01:42:38 2018
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 14:48:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.09	196	47408	22.165	nq	95
43) 2,4,5-Trichlorophenol	13.17	196	52147	21.794	nq	95
45) 1,1'-Biphenyl	13.49	154	147202	19.594	nq	97
46) 2-Chloronaphthalene	13.53	162	122087	20.892	nq	100
47) 2-Nitroaniline	13.73	65	39178	18.964	nq	97
48) Acenaphthylene	14.37	152	199886	20.420	nq	97
49) Dimethylphthalate	14.10	163	163914	19.307	nq	99
50) 2,6-Dinitrotoluene	14.22	165	37690	21.800	nq	# 86
51) Acenaphthene	14.72	154	114402	18.761	nq	98
52) 3-Nitroaniline	14.56	138	29157	16.500	nq	# 91
53) 2,4-Dinitrophenol	14.77	184	5322	12.076	nq	# 63
54) Dibenzofuran	15.05	168	198299	20.448	nq	95
55) 4-Nitrophenol	14.89	139	18902	15.020	nq	# 87
56) 2,4-Dinitrotoluene	15.01	165	55264	22.281	nq	# 87
57) Fluorene	15.70	166	166402	20.472	nq	100
58) 2,3,4,6-Tetrachlorophenol	15.28	232	50668	22.086	nq	# 95
59) Diethylphthalate	15.46	149	163153	18.689	nq	98
60) 4-Chlorophenyl-phenylether	15.68	204	95792	20.051	nq	96
61) 4-Nitroaniline	15.71	138	34481	18.654	nq	90
62) Azobenzene	15.98	77	166130	19.292	nq	94
64) 4,6-Dinitro-2-methylphenol	15.77	198	20249	13.536	nq	87
65) n-Nitrosodiphenylamine	15.90	169	147517	19.286	nq	96
66) 4-Bromophenyl-phenylether	16.58	248	62161	19.938	nq	94
67) Hexachlorobenzene	16.70	284	66848	20.821	nq	95
68) Atrazine	16.85	200	64218	20.391	nq	96
69) Pentachlorophenol	17.05	266	16294	8.332	nq	89
70) Phenanthrene	17.44	178	271067	20.215	nq	98
71) Anthracene	17.53	178	273992	20.521	nq	99
72) Carbazole	17.80	167	250445	19.751	nq	98
73) Di-n-butylphthalate	18.35	149	279579	18.658	nq	# 98
74) Fluoranthene	19.44	202	360253	19.945	nq	97
76) Benzidine	19.63	184	78333	10.022	nq	# 95
77) Pyrene	19.80	202	368534	19.605	nq	98
79) Butylbenzylphthalate	20.68	149	132262	19.675	nq	96
80) Benzo(a)anthracene	21.64	228	372220	20.091	nq	98
81) 3,3'-Dichlorobenzidine	21.55	252	101441	15.703	nq	99
82) Chrysene	21.70	228	355076	20.682	nq	99
83) Bis(2-ethylhexyl)phthalate	21.54	149	179188	19.607	nq	# 99
84) Di-n-octyl phthalate	22.73	149	303114	19.809	nq	# 93
85) Indeno(1,2,3-cd)pyrene	28.48	276	345191	18.161	nq	# 71
87) Benzo(b)fluoranthene	23.84	252	339234	19.860	nq	# 98
88) Benzo(k)fluoranthene	23.90	252	350775	21.005	nq	98
89) Benzo(a)pyrene	24.70	252	337608	21.245	nq	# 97
90) Dibenzo(a,h)anthracene	28.56	278	290250	18.604	nq	99
91) Benzo(g,h,i)perylene	29.62	276	289513	18.964	nq	# 93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 806

Delta R.T. -0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

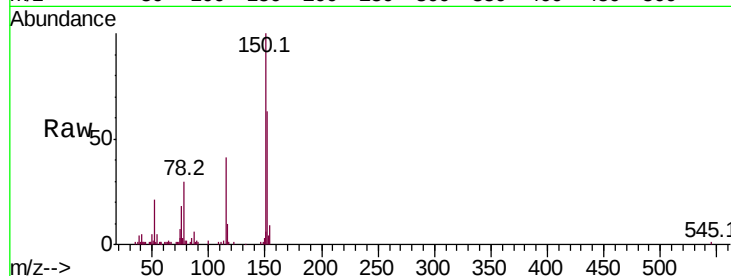
Tot Ion:152 Resp: 37517

Ion Ratio Lower Upper

152 100

150 158.1 126.6 189.8

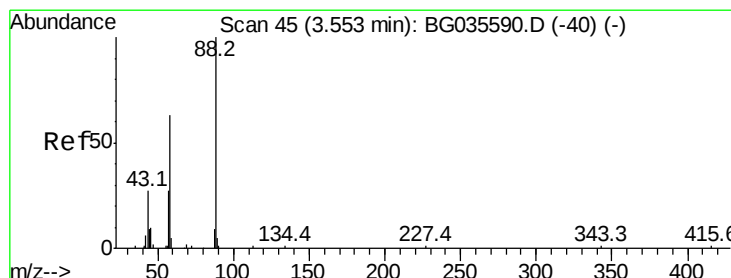
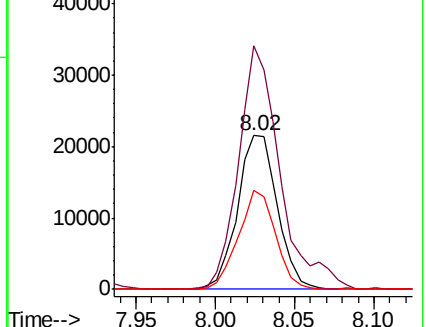
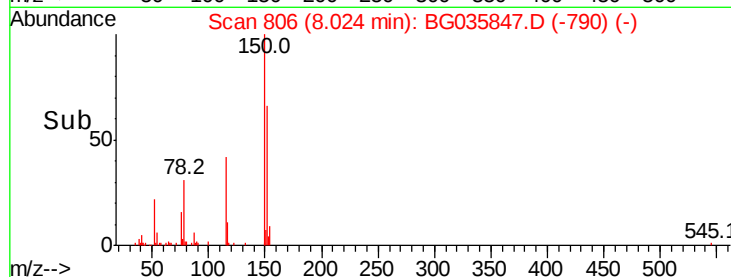
115 64.1 53.0 79.4



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: 15.854 ng

RT: 3.52 min Scan# 39

Delta R.T. -0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

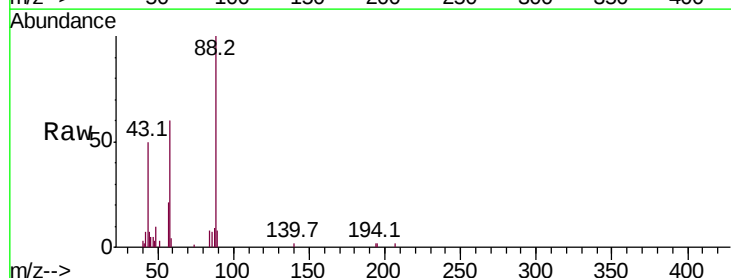
Tgt Ion: 88 Resp: 18234

Ion Ratio Lower Upper

88 100

58 60.6 79.6 119.4#

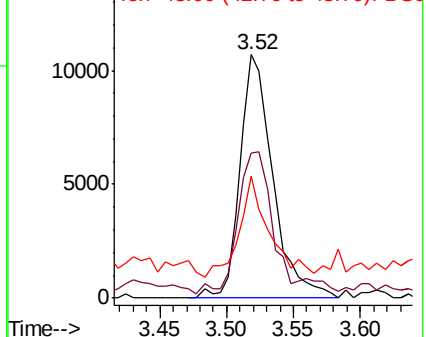
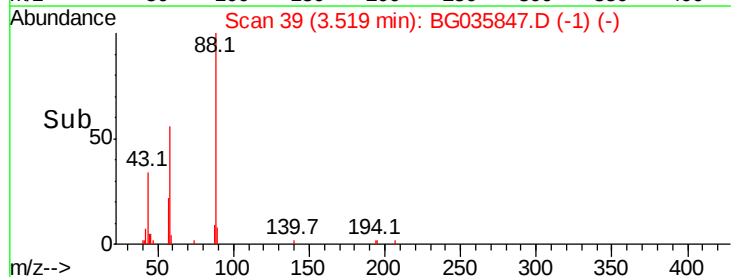
43 38.6 27.4 41.0

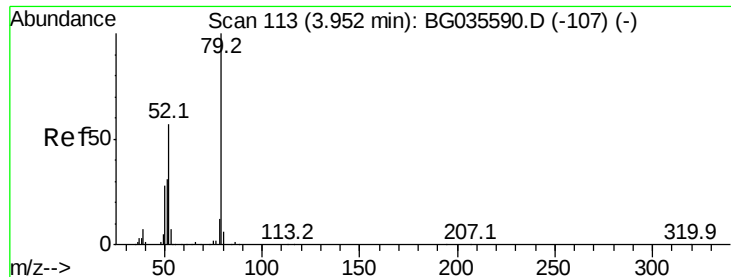


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 15.775 ng

RT: 3.92 min Scan# 107

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

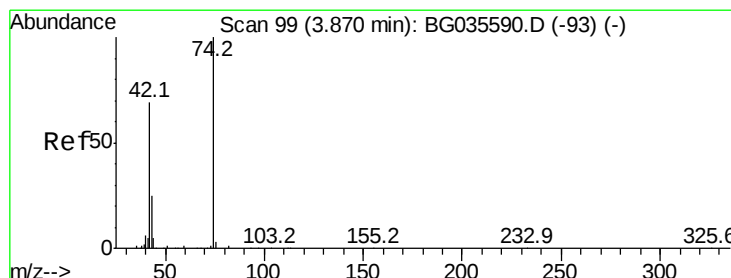
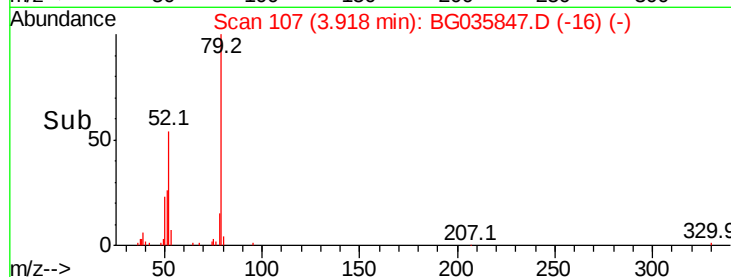
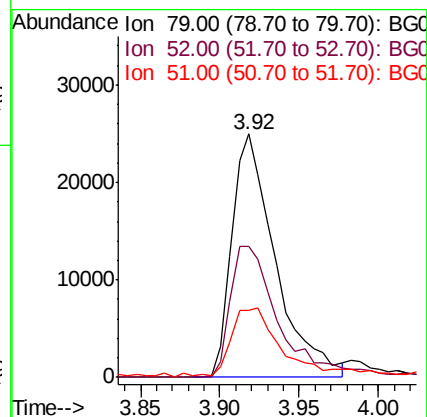
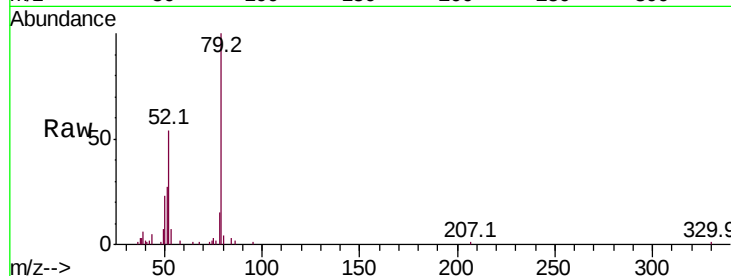
Tot Ion: 79 Resp: 47364

Ion Ratio Lower Upper

79 100

52 53.7 69.9 104.9#

51 27.4 34.0 51.0#



#4

n-Nitrosodimethylamine

Concen: 13.468 ng

RT: 3.83 min Scan# 92

Delta R.T. -0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

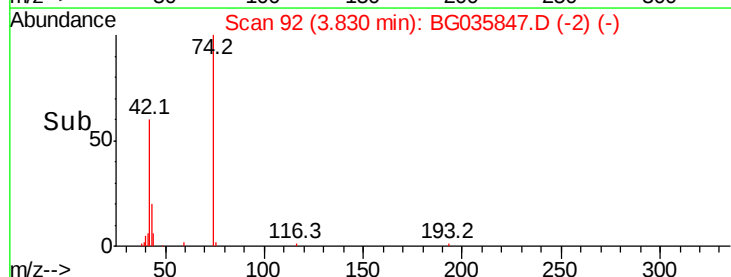
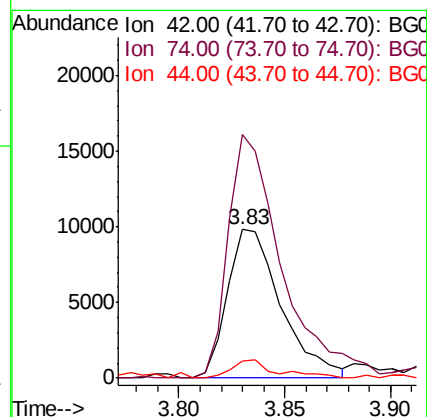
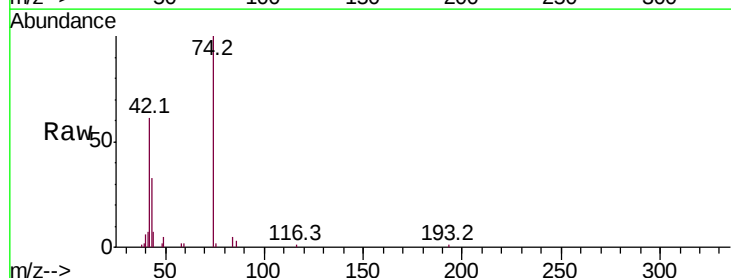
Tgt Ion: 42 Resp: 17363

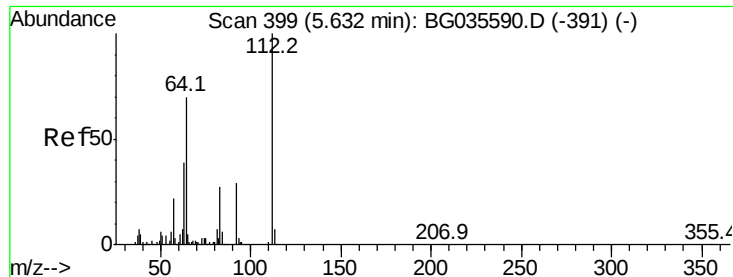
Ion Ratio Lower Upper

42 100

74 163.7 102.5 153.7#

44 11.3 18.9 28.3#





#5

2-Fluorophenol

Concen: 130.321 ng

RT: 5.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

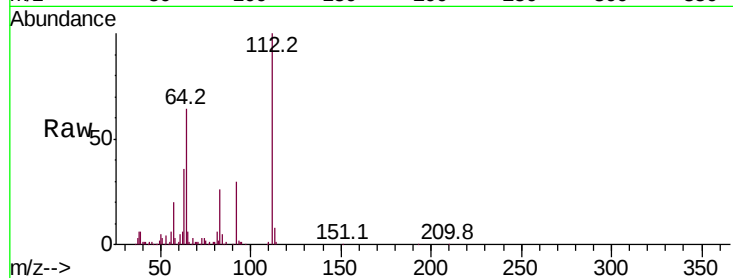
Tot Ion:112 Resp: 294492

Ion Ratio Lower Upper

112 100

64 64.4 56.3 84.5

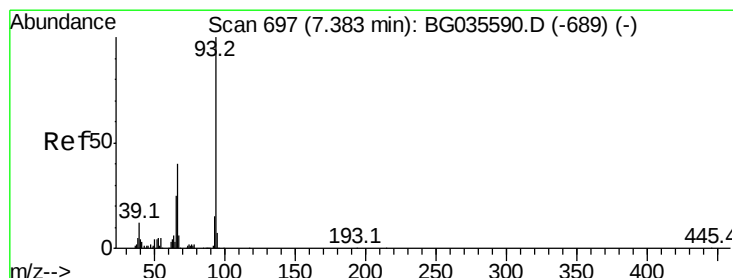
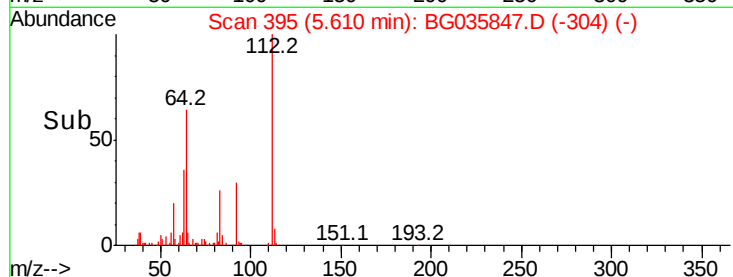
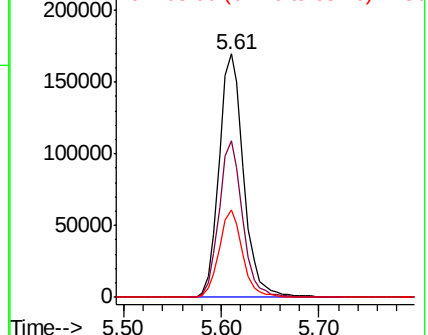
63 36.1 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 13.323 ng

RT: 7.35 min Scan# 692

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

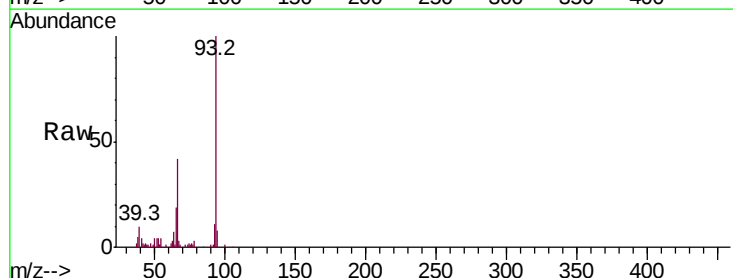
Tgt Ion: 93 Resp: 58221

Ion Ratio Lower Upper

93 100

66 41.7 33.7 50.5

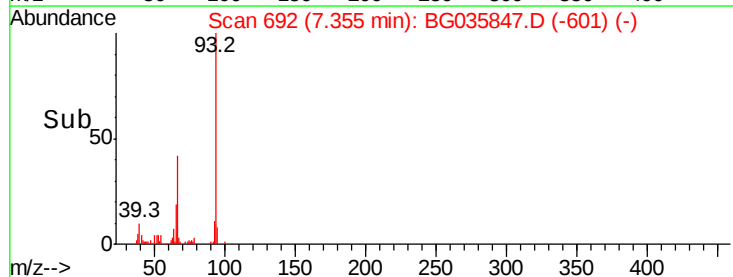
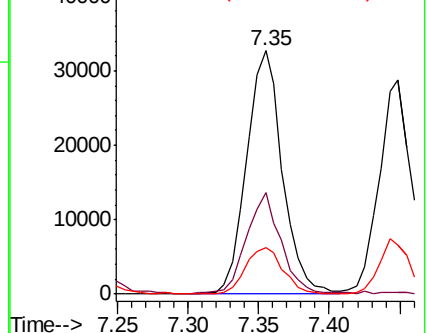
65 19.0 16.1 24.1



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: 123.613 ng

RT: 7.20 min Scan# 665

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

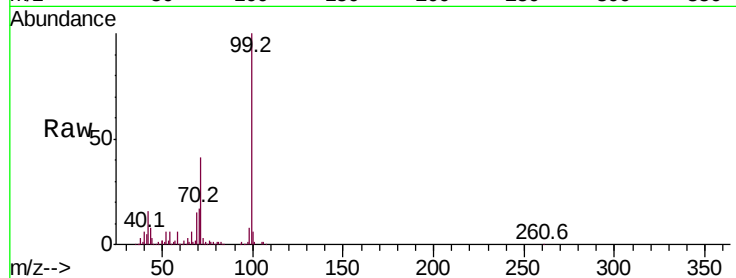
Tot Ion: 99 Resp: 416761

Ion Ratio Lower Upper

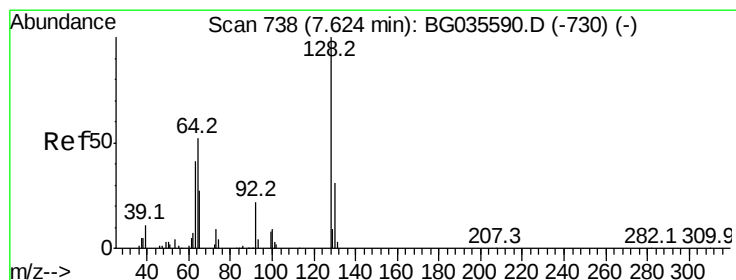
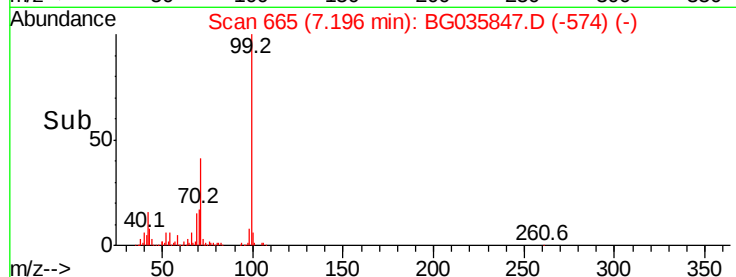
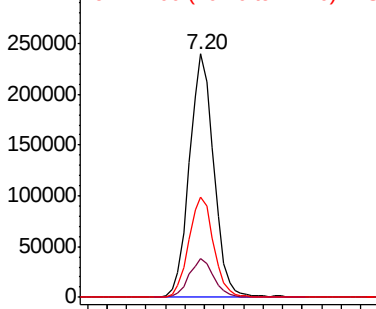
99 100

42 16.0 14.1 21.1

71 41.0 26.1 39.1#



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: 18.819 ng

RT: 7.60 min Scan# 733

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

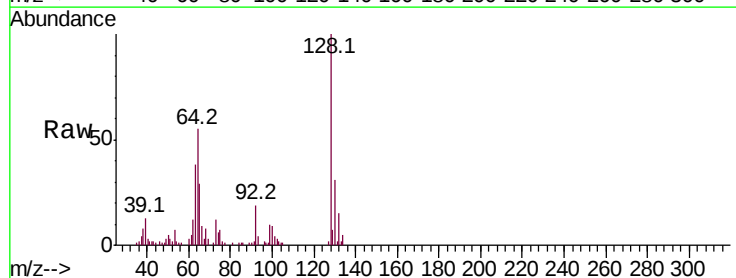
Tgt Ion:128 Resp: 43252

Ion Ratio Lower Upper

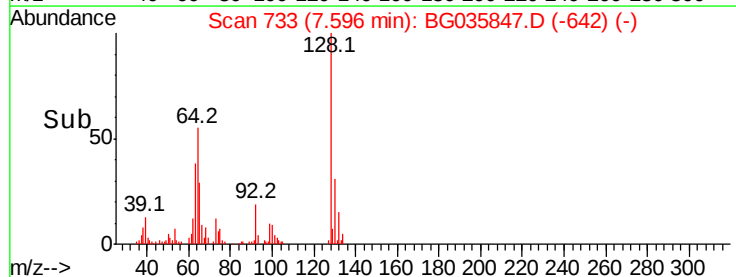
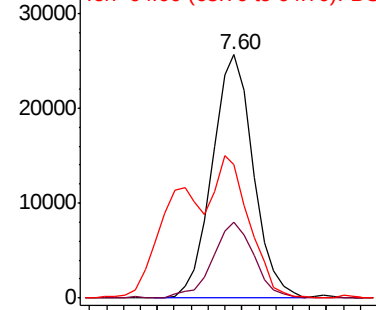
128 100

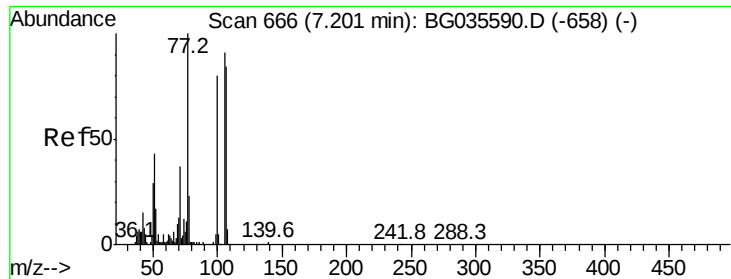
130 31.0 14.0 54.0

64 55.1 37.7 77.7



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





#9

Benzaldehyde

Concen: 21.420 ng

RT: 7.17 min Scan# 660

Delta R.T. -0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

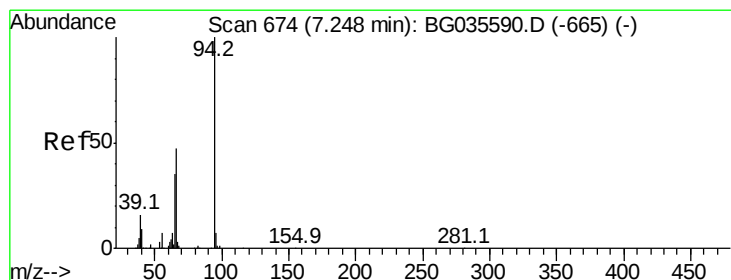
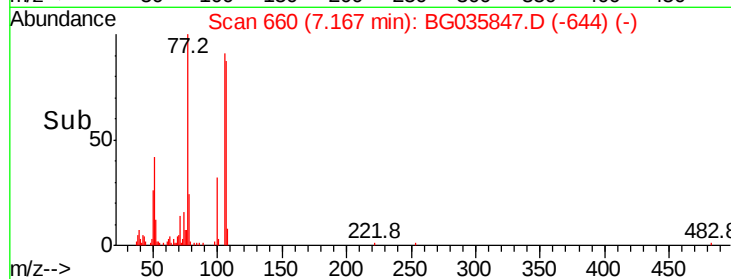
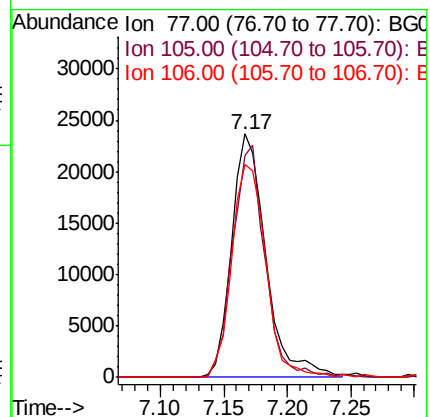
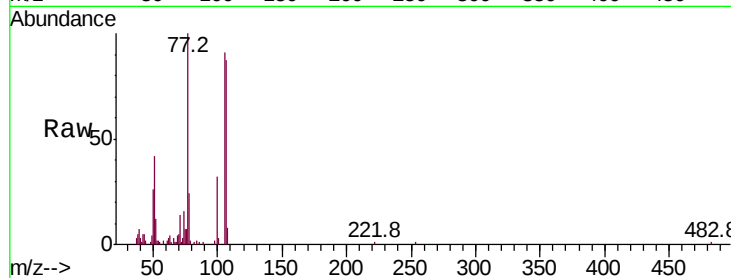
Tot Ion: 77 Resp: 44311

Ion Ratio Lower Upper

77 100

105 91.3 71.3 111.3

106 87.4 64.2 104.2



#10

Phenol

Concen: 19.422 ng

RT: 7.23 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

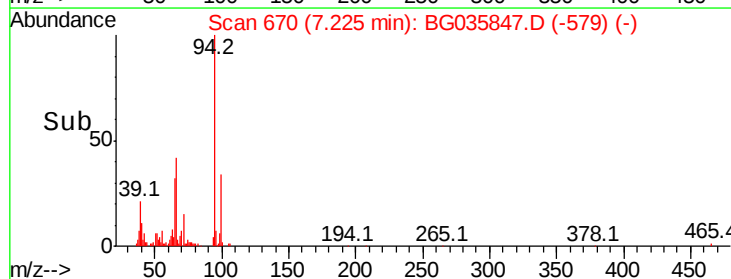
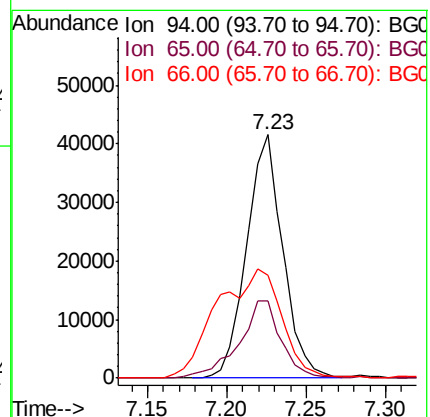
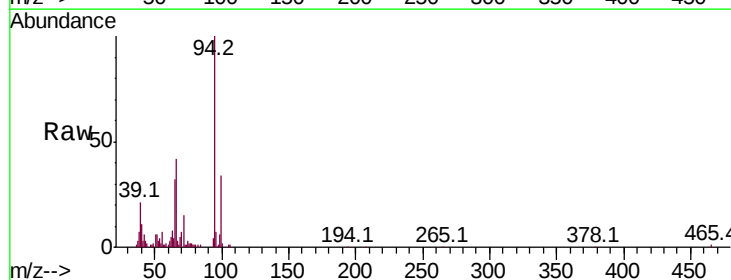
Tgt Ion: 94 Resp: 66155

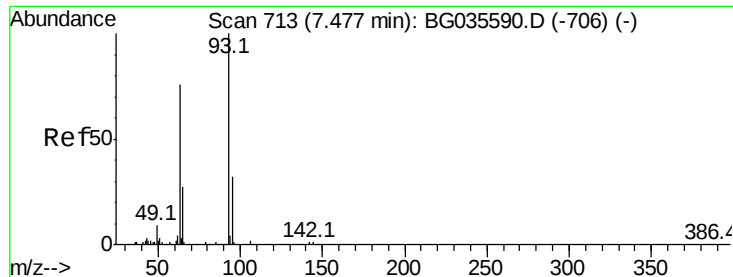
Ion Ratio Lower Upper

94 100

65 31.8 11.9 51.9

66 42.3 22.2 62.2





#11

bis(2-Chloroethyl)ether

Concen: 17.427 ng

RT: 7.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

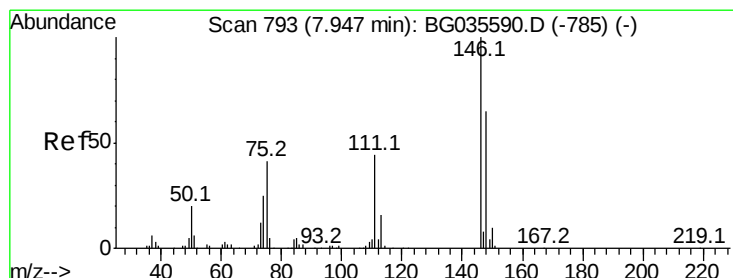
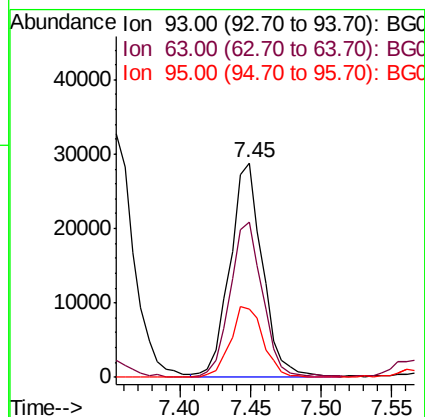
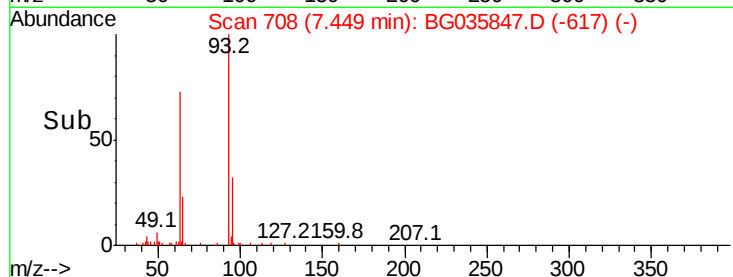
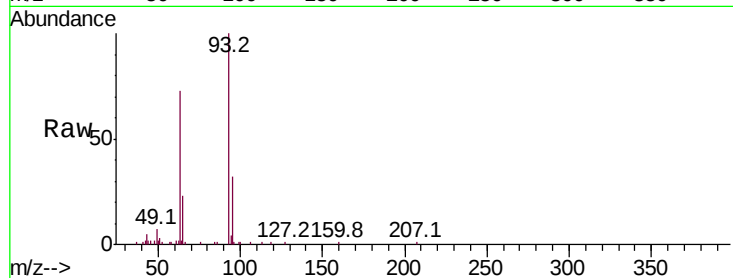
Tot Ion: 93 Resp: 46487

Ion Ratio Lower Upper

93 100

63 72.6 67.1 107.1

95 31.7 11.5 51.5



#12

1,3-Dichlorobenzene

Concen: 18.920 ng

RT: 7.92 min Scan# 788

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

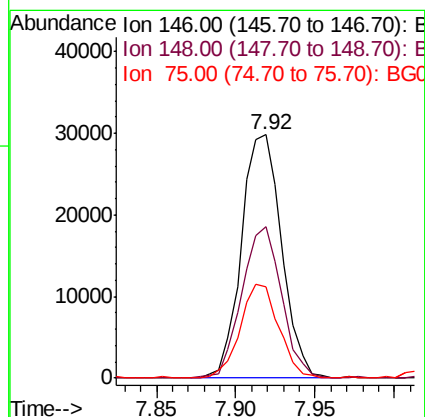
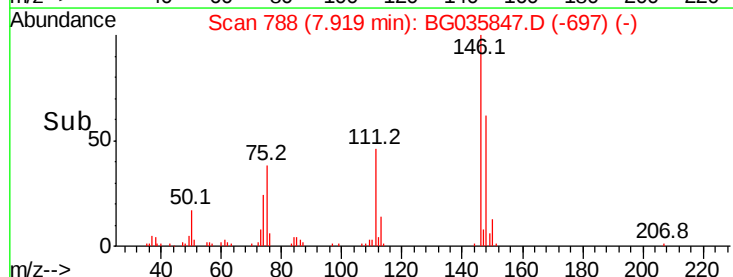
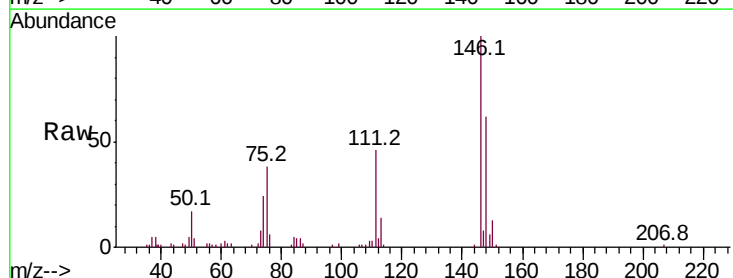
Tgt Ion: 146 Resp: 52509

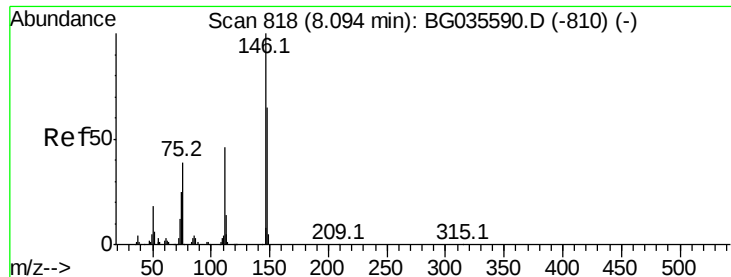
Ion Ratio Lower Upper

146 100

148 62.0 51.4 77.2

75 37.7 26.6 39.8

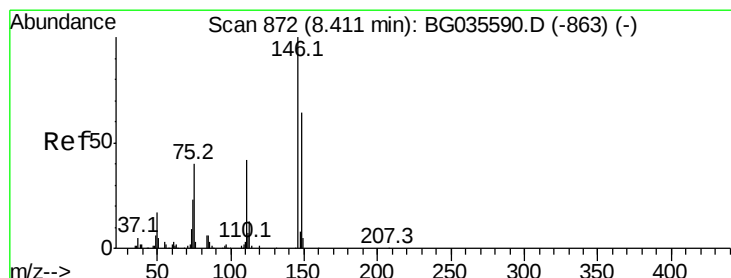
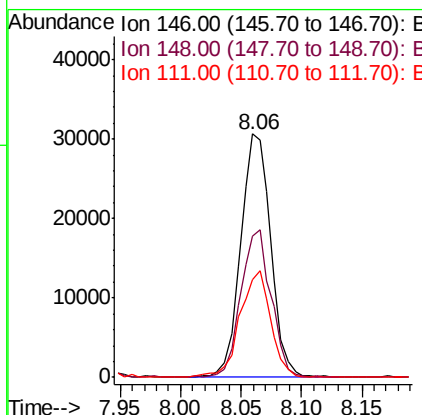
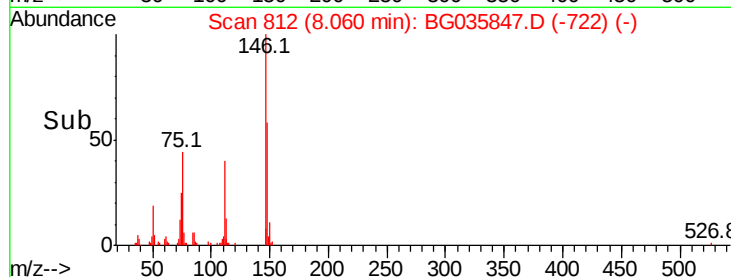
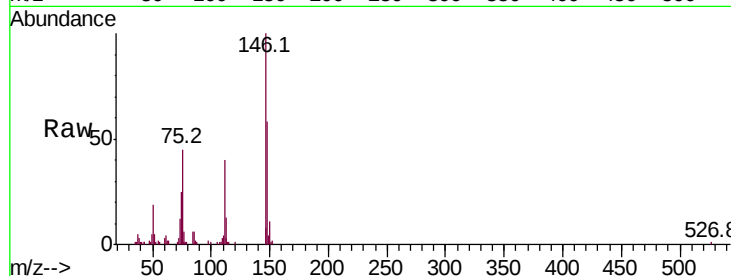




#13
1,4-Dichlorobenzene
Concen: 18.816 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

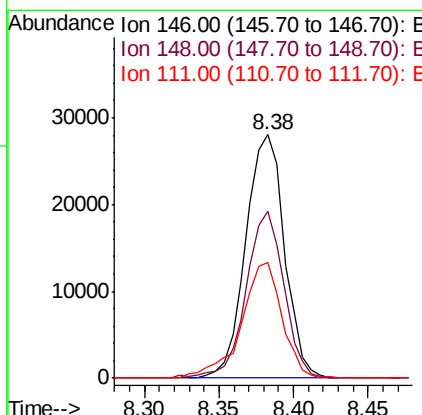
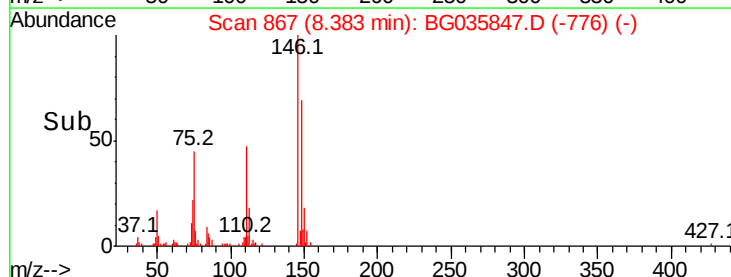
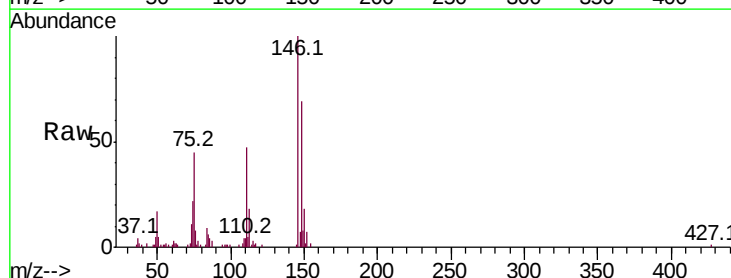
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2018

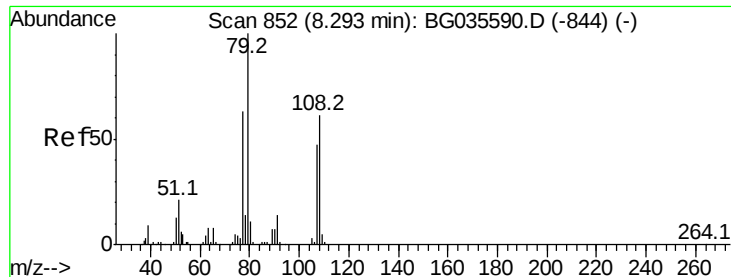
Tot Ion:146 Resp: 53060
Ion Ratio Lower Upper
146 100
148 58.1 53.7 80.5
111 40.2 35.2 52.8



#14
1,2-Dichlorobenzene
Concen: 18.508 ng
RT: 8.38 min Scan# 867
Delta R.T. 0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

Tgt Ion:146 Resp: 50138
Ion Ratio Lower Upper
146 100
148 68.6 49.3 73.9
111 47.5 34.3 51.5





#15

Benzyl Alcohol

Concen: 16.212 ng

RT: 8.27 min Scan# 848

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

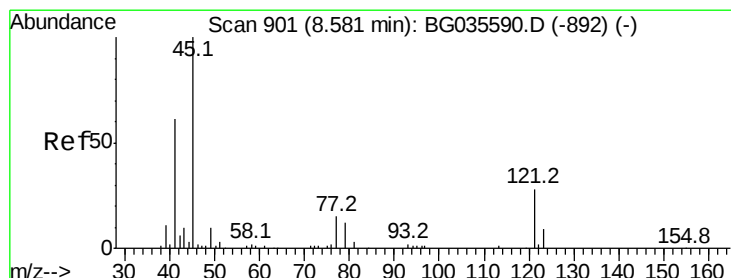
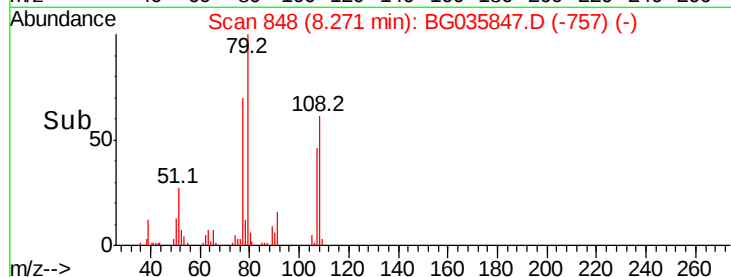
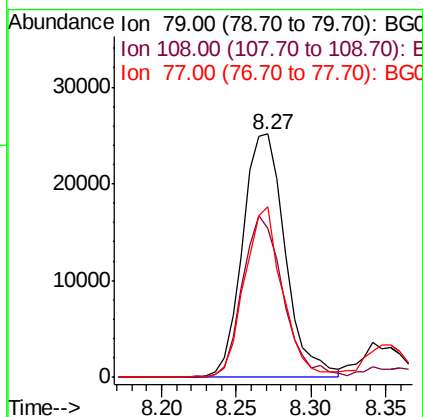
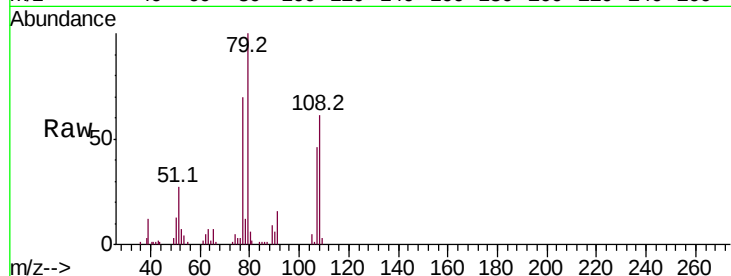
Tot Ion: 79 Resp: 49634

Ion Ratio Lower Upper

79 100

108 61.1 57.2 85.8

77 70.0 46.1 69.1#



#16

2,2'-oxybis(1-chloropropane)

Concen: 22.752 ng

RT: 8.55 min Scan# 895

Delta R.T. -0.01 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

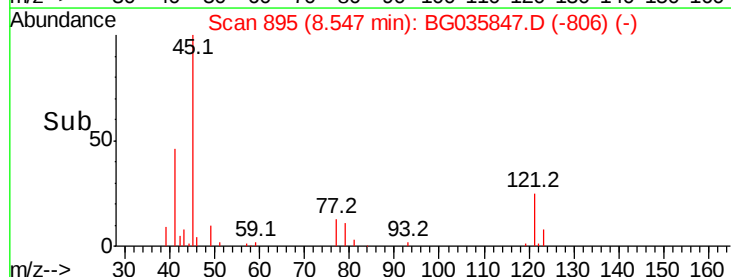
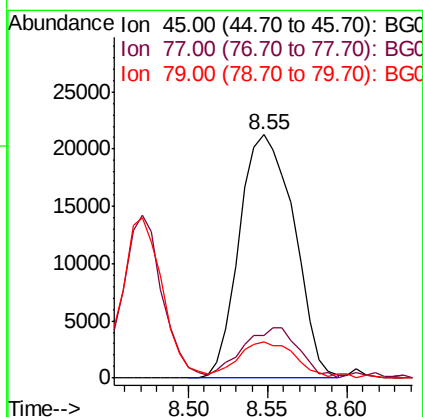
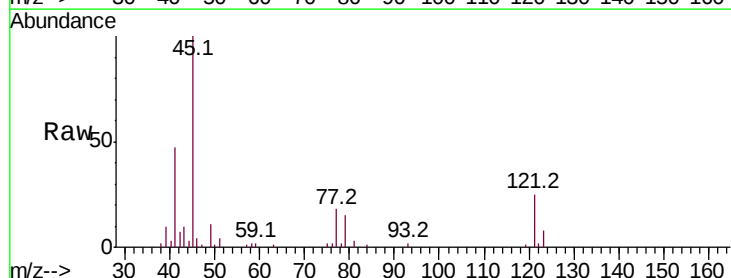
Tgt Ion: 45 Resp: 50884

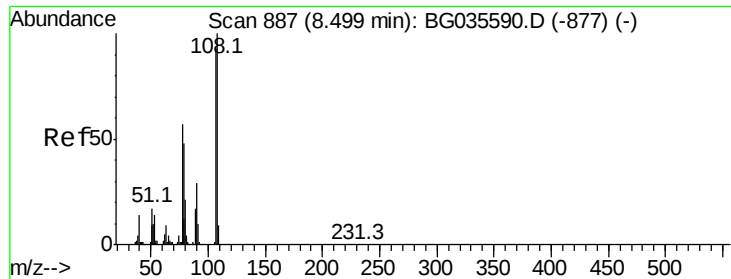
Ion Ratio Lower Upper

45 100

77 17.7 0.0 30.2

79 14.9 0.0 27.9

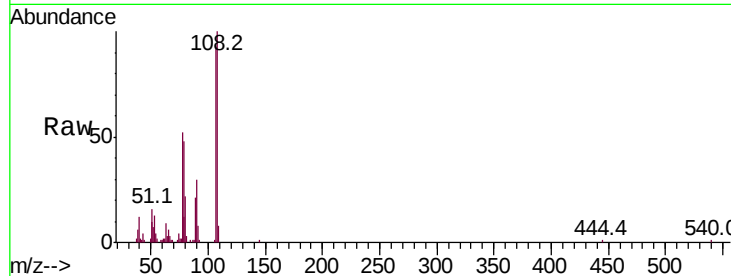




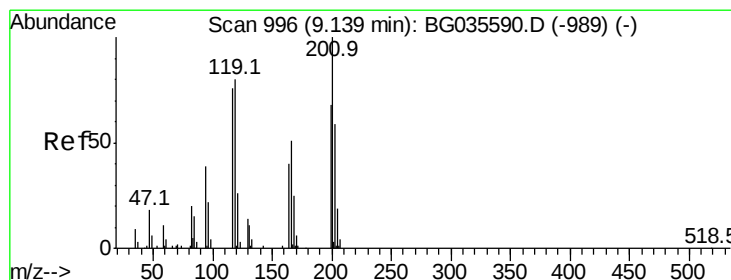
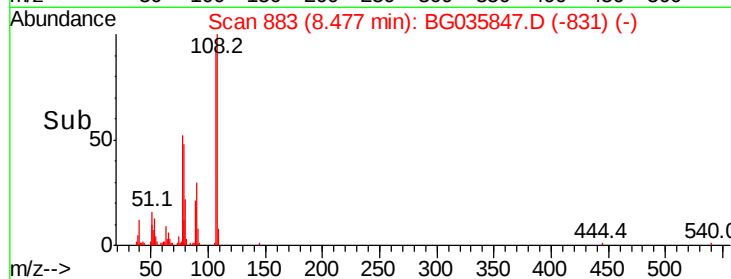
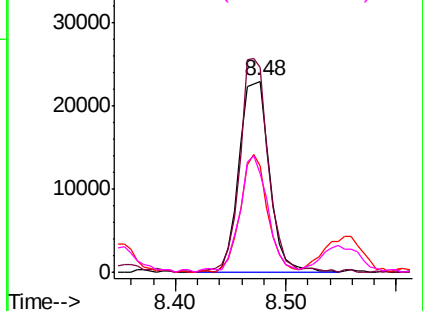
#17
2-Methylphenol
Concen: 19.297 ng
RT: 8.48 min Scan# 883
Delta R.T. 0.01 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:107 Resp: 44689
Ion Ratio Lower Upper
107 100
108 107.1 83.9 125.9
77 55.3 37.2 55.8
79 51.4 36.2 54.2

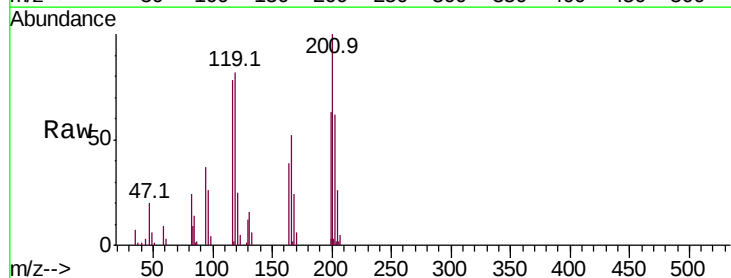


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

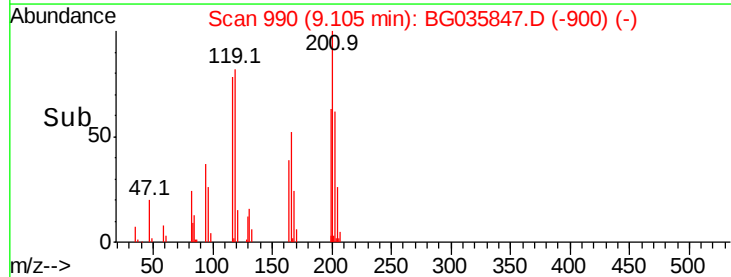
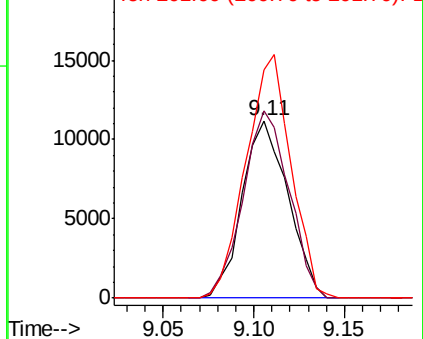


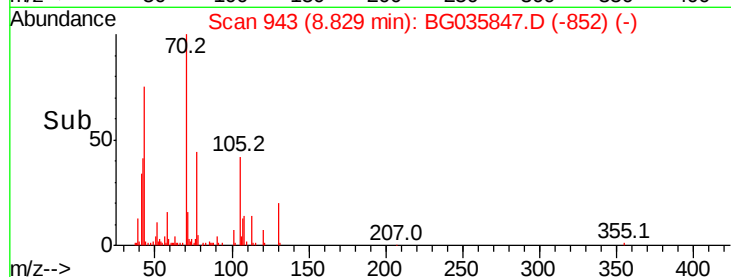
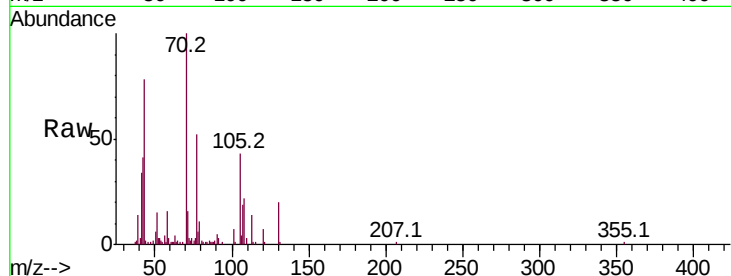
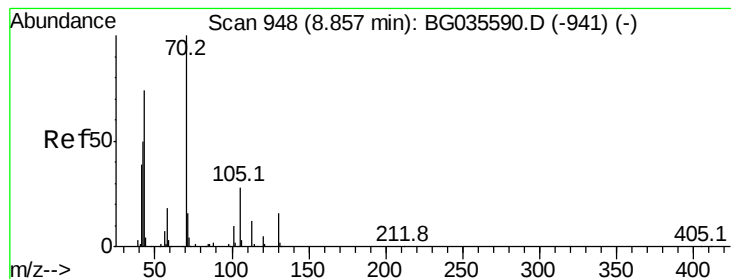
#18
Hexachloroethane
Concen: 18.268 ng
RT: 9.11 min Scan# 990
Delta R.T. -0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

Tgt Ion:117 Resp: 19697
Ion Ratio Lower Upper
117 100
119 105.2 76.7 115.1
201 128.6 95.7 143.5



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: 14.616 ng

RT: 8.83 min Scan# 943

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tot Ion: 70 Resp: 41497

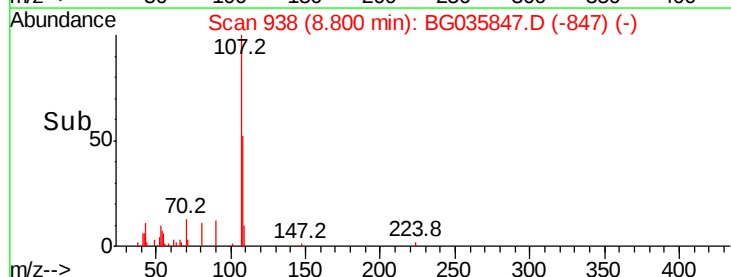
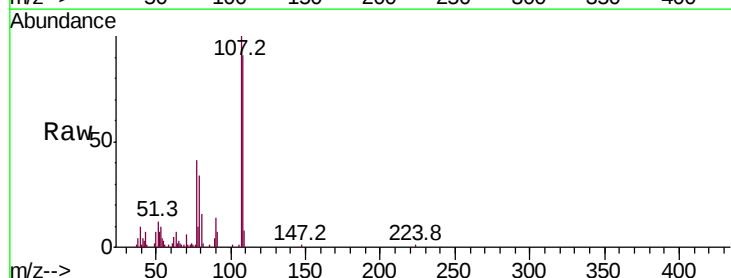
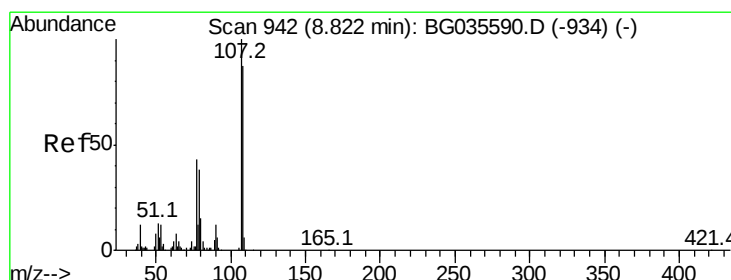
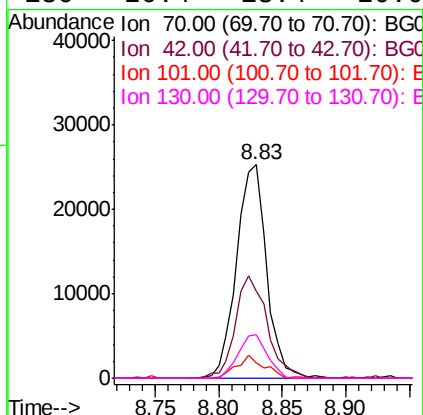
Ion Ratio Lower Upper

70 100

42 40.5 49.1 73.7#

101 7.4 8.5 12.7#

130 20.4 13.4 20.0#



#20

3+4-Methylphenols

Concen: 18.068 ng

RT: 8.80 min Scan# 938

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Tgt Ion: 107 Resp: 58048

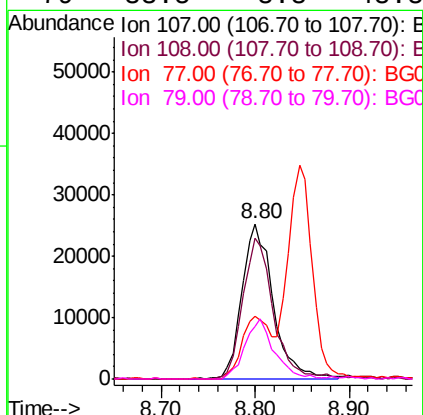
Ion Ratio Lower Upper

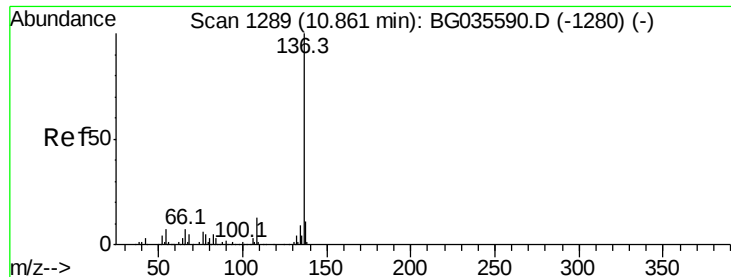
107 100

108 90.9 61.6 101.6

77 40.9 13.9 53.9

79 33.5 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1283

Delta R.T. -0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tot Ion:136 Resp: 137939

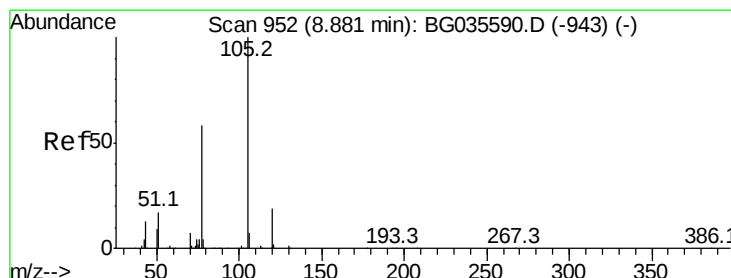
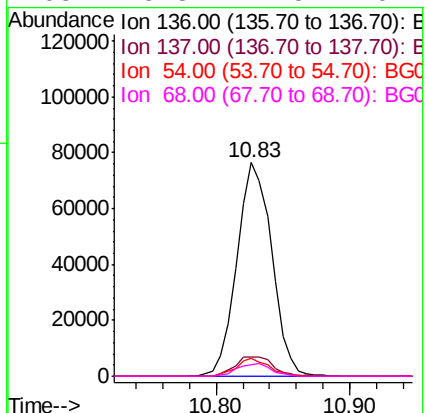
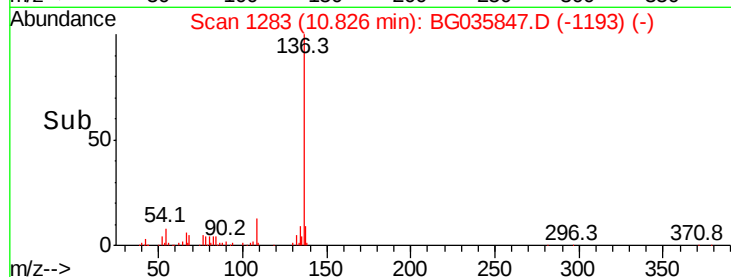
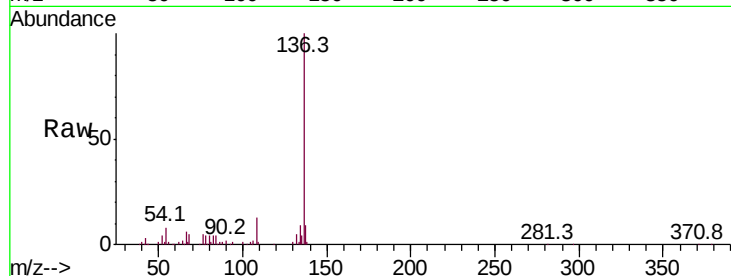
Ion Ratio Lower Upper

136 100

137 9.2 9.2 13.8#

54 8.1 10.3 15.5#

68 5.3 4.5 6.7



#22

Acetophenone

Concen: 17.876 ng

RT: 8.85 min Scan# 946

Delta R.T. -0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Tgt Ion:105 Resp: 76680

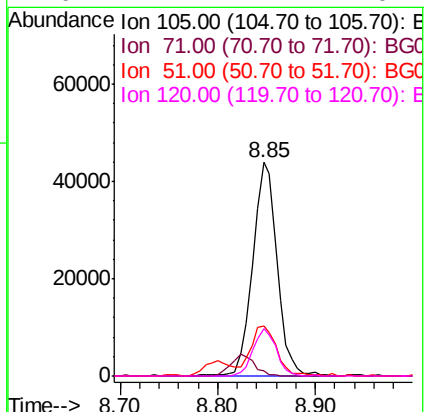
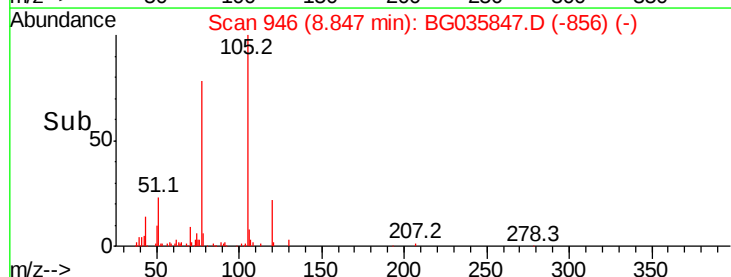
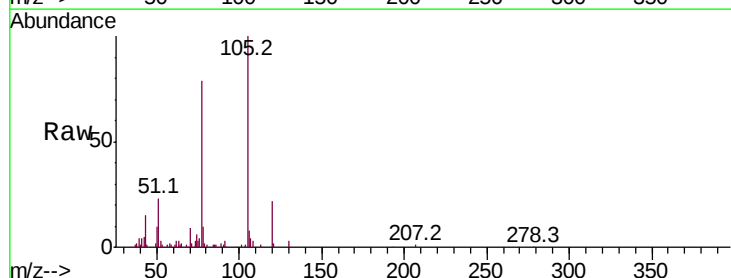
Ion Ratio Lower Upper

105 100

71 2.2 3.0 4.4#

51 23.3 26.1 39.1#

120 22.1 17.4 26.2

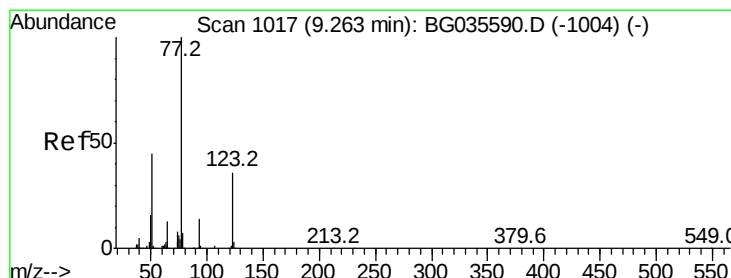
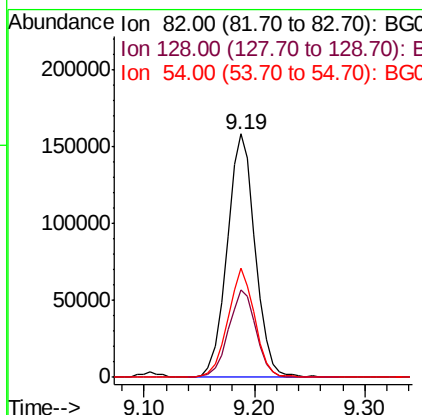
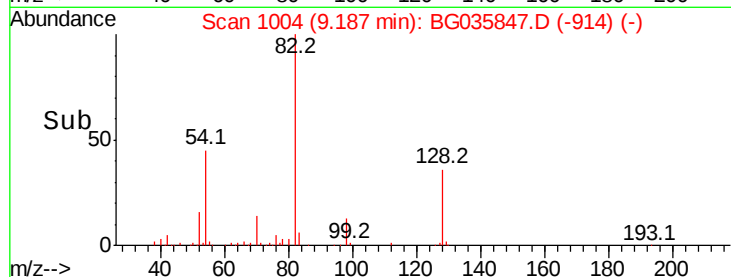
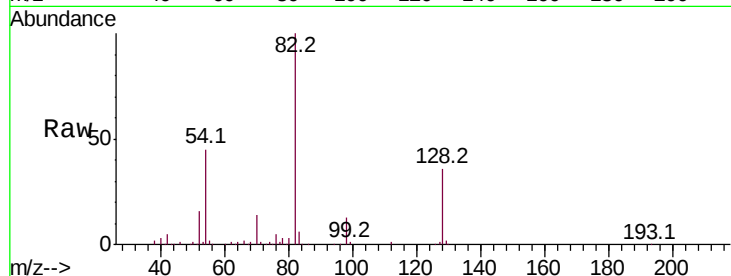




#23
Nitrobenzene-d5
Concen: 85.216 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

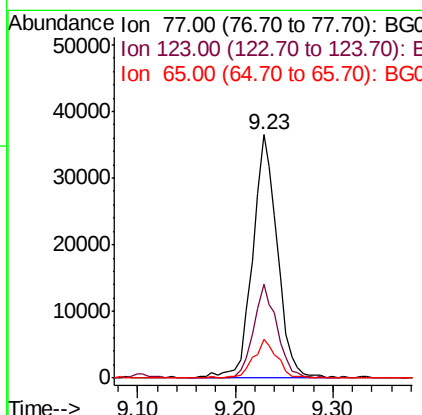
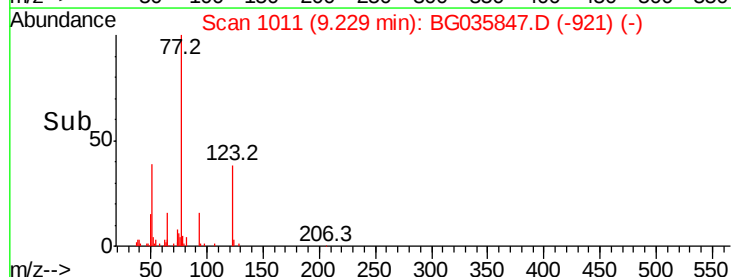
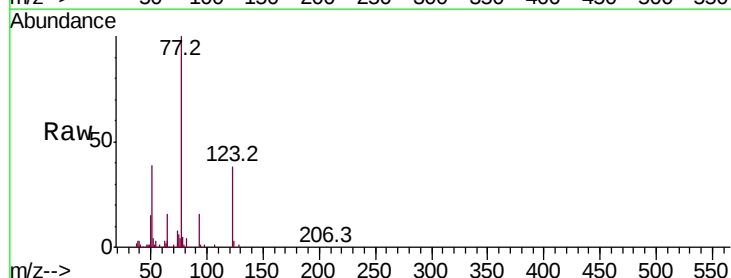
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion: 82 Resp: 281382
Ion Ratio Lower Upper
82 100
128 35.9 29.7 44.5
54 44.8 43.1 64.7



#24
Nitrobenzene
Concen: 19.552 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

Tgt Ion: 77 Resp: 64926
Ion Ratio Lower Upper
77 100
123 38.3 33.0 49.6
65 16.1 13.0 19.6





#25

Isophorone

Concen: 19.231 ng

RT: 9.75 min Scan# 1099

Delta R.T. -0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

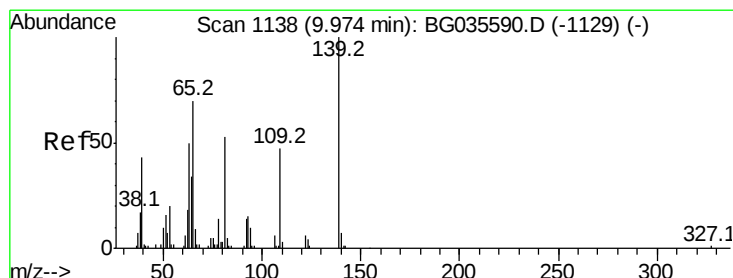
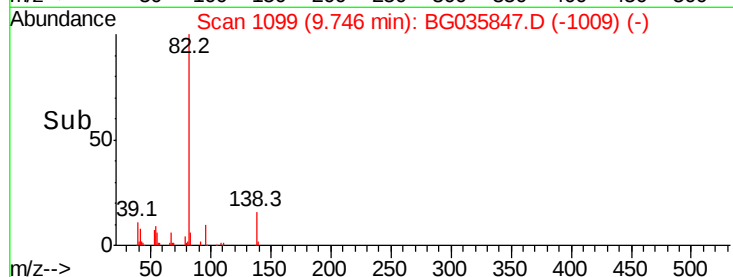
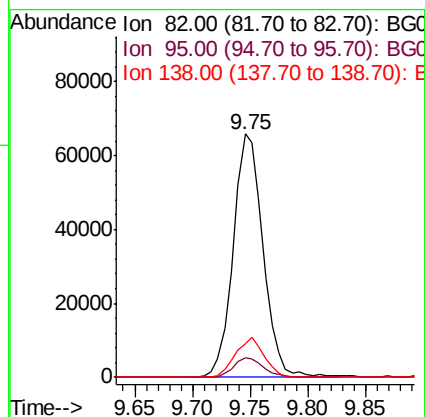
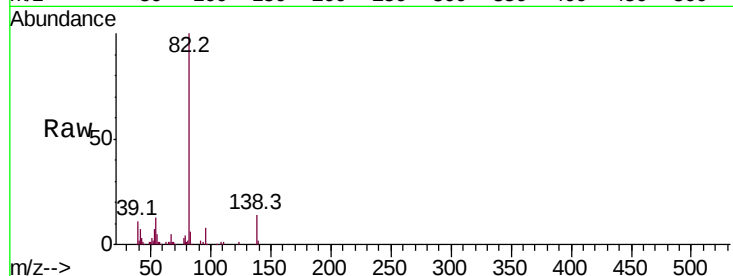
Tot Ion: 82 Resp: 117879

Ion Ratio Lower Upper

82 100

95 8.3 6.2 9.2

138 13.9 12.1 18.1



#26

2-Nitrophenol

Concen: 20.955 ng

RT: 9.95 min Scan# 1133

Delta R.T. 0.01 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

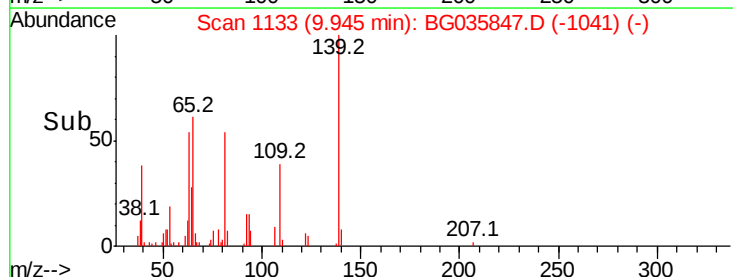
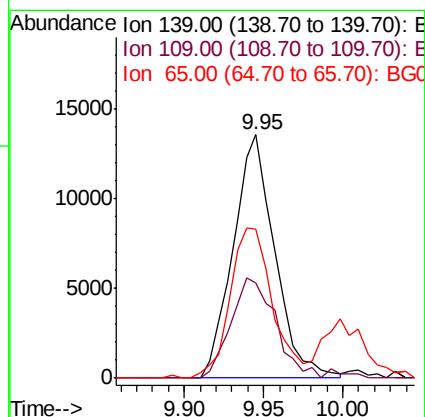
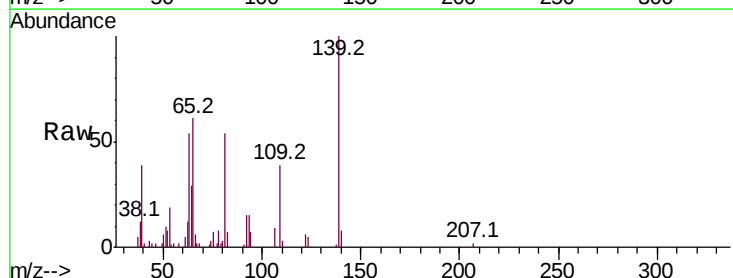
Tgt Ion: 139 Resp: 24714

Ion Ratio Lower Upper

139 100

109 39.0 24.2 36.2#

65 61.1 47.4 71.0

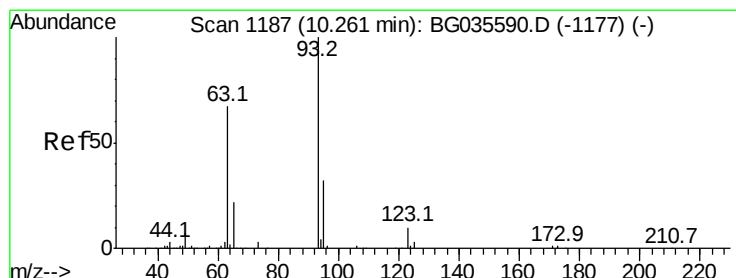
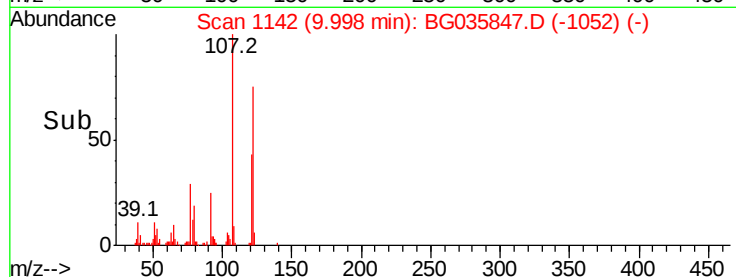
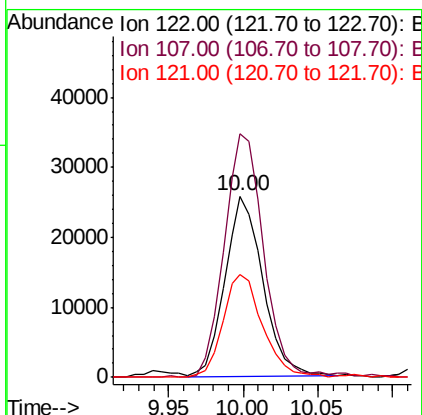
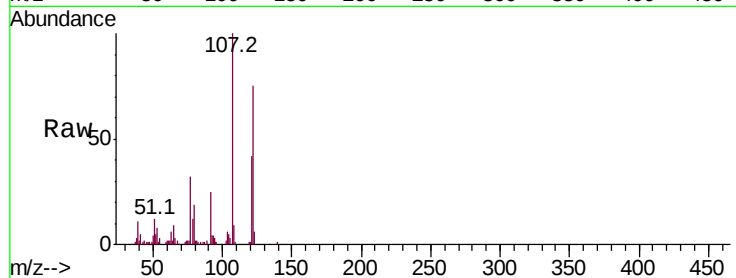




#27
2,4-Dimethylphenol
Concen: 22.889 ng
RT: 10.00 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

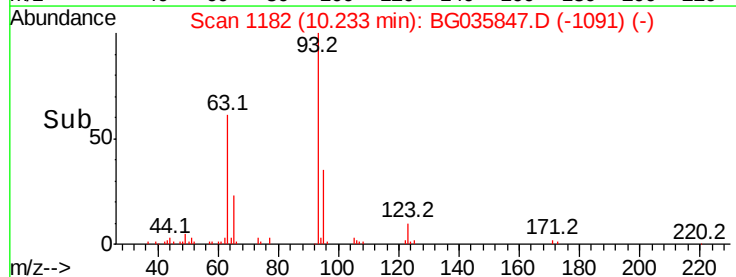
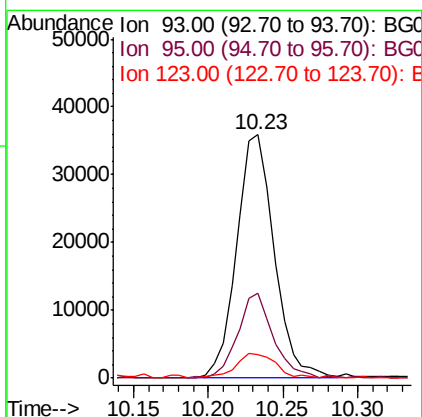
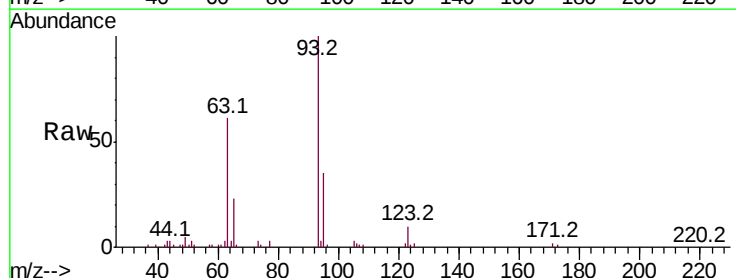
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:122 Resp: 45695
Ion Ratio Lower Upper
122 100
107 134.2 100.2 150.2
121 57.0 44.4 66.6



#28
bis(2-Chloroethoxy)methane
Concen: 18.586 ng
RT: 10.23 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

Tgt Ion: 93 Resp: 62774
Ion Ratio Lower Upper
93 100
95 35.0 24.3 36.5
123 9.6 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 22.078 ng

RT: 10.49 min Scan# 1225

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

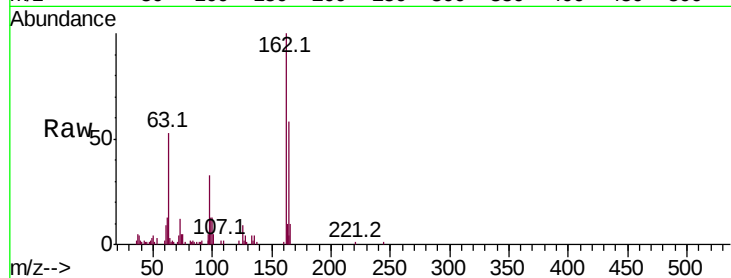
Tot Ion:162 Resp: 50313

Ion Ratio Lower Upper

162 100

164 57.6 48.0 88.0

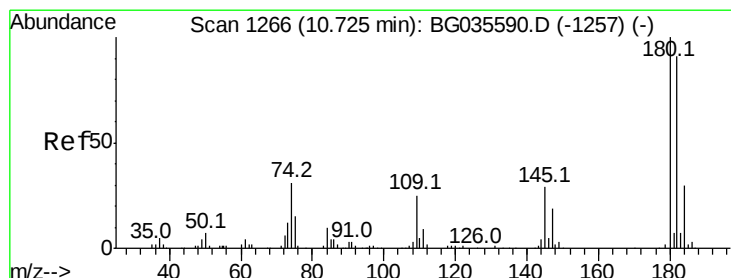
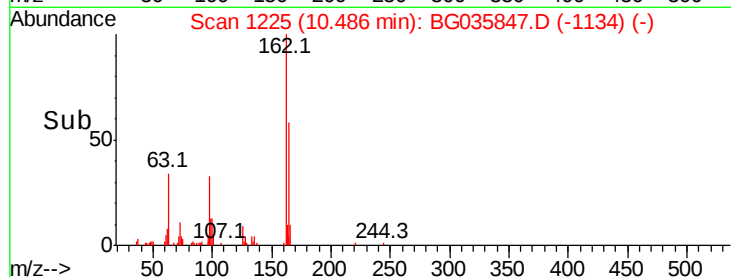
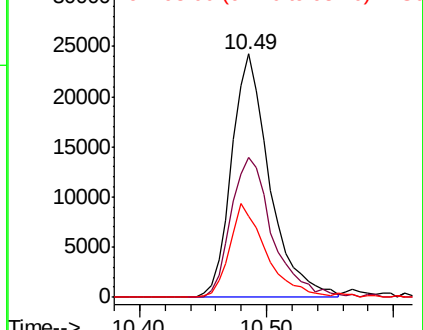
98 33.1 21.1 61.1



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): BGC



#30

1,2,4-Trichlorobenzene

Concen: 20.611 ng

RT: 10.69 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

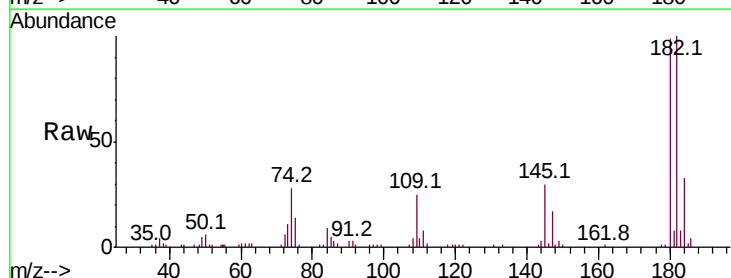
Tgt Ion:180 Resp: 57594

Ion Ratio Lower Upper

180 100

182 101.3 77.5 116.3

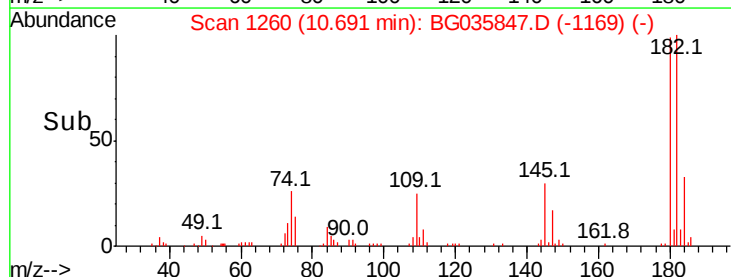
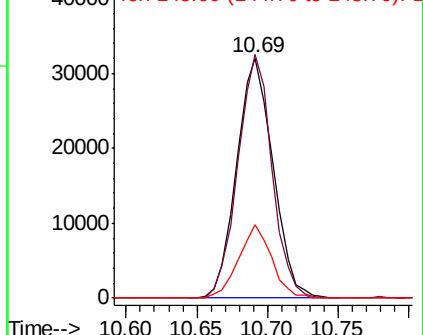
145 30.7 23.4 35.2

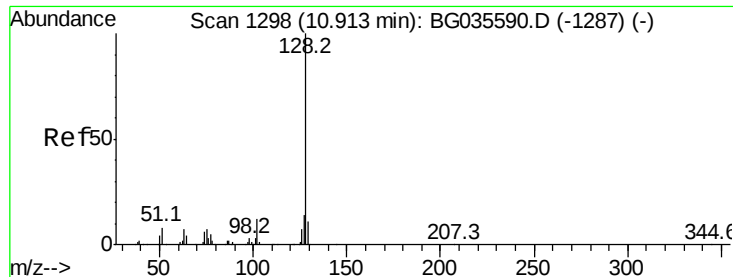


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

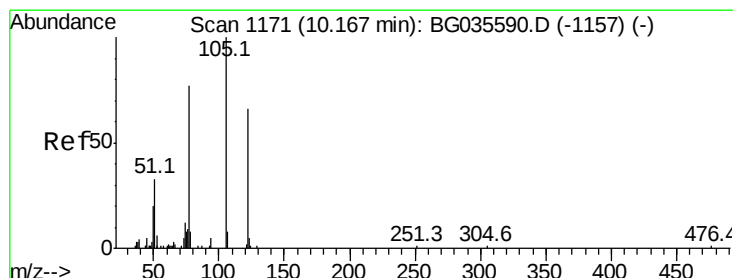
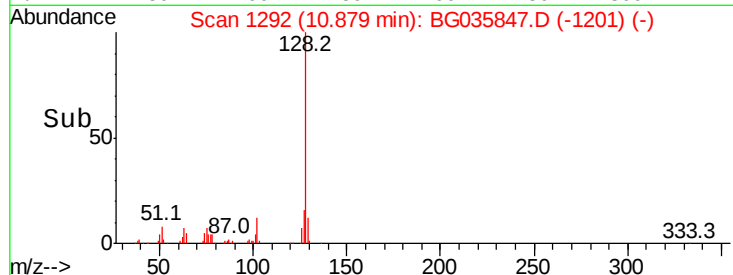
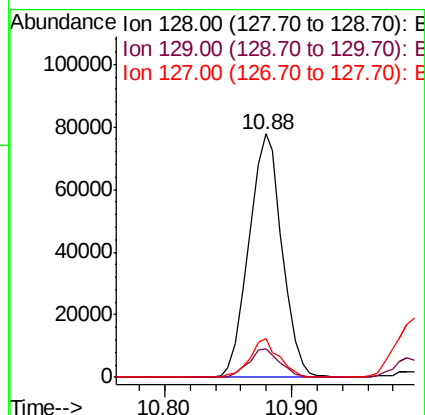
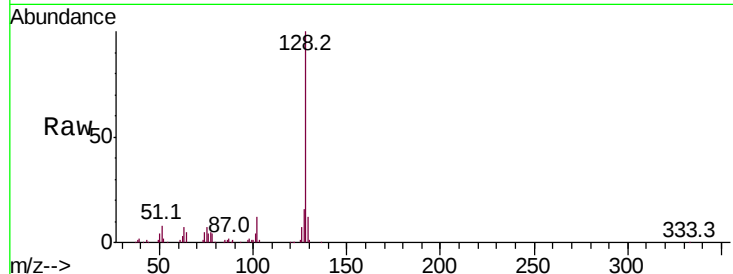




#31
Naphthalene
Concen: 19.624 ng
RT: 10.88 min Scan# 1292
Delta R.T. 0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

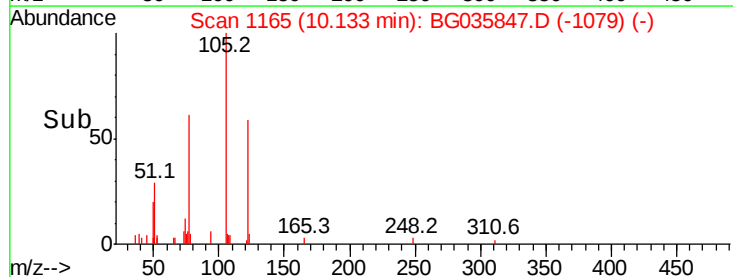
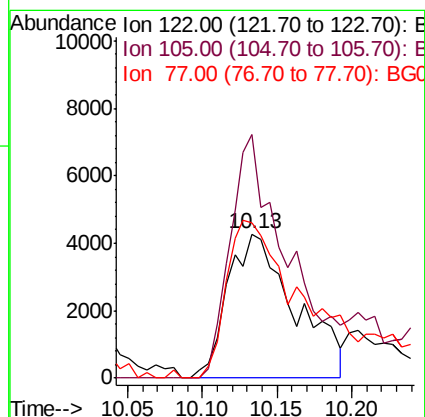
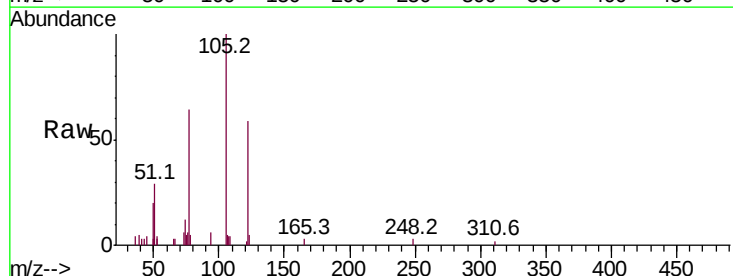
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2018

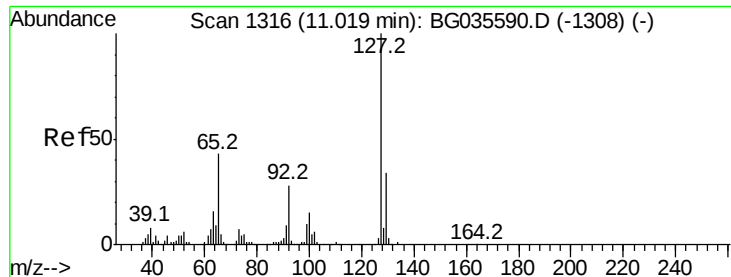
Tot Ion:128 Resp: 141003
Ion Ratio Lower Upper
128 100
129 11.8 8.6 12.8
127 16.0 11.6 17.4



#32
Benzoic acid
Concen: 9.948 ng
RT: 10.13 min Scan# 1165
Delta R.T. -0.03 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

Tgt Ion:122 Resp: 13369
Ion Ratio Lower Upper
122 100
105 168.6 123.5 163.5#
77 107.4 85.7 125.7

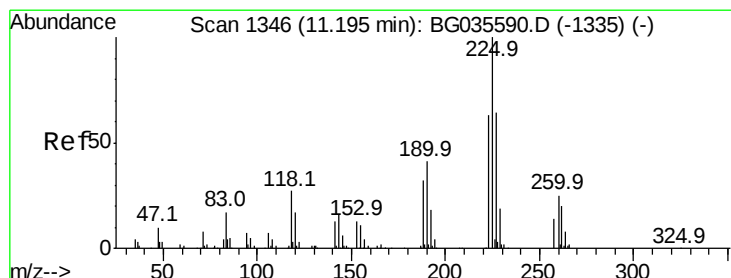
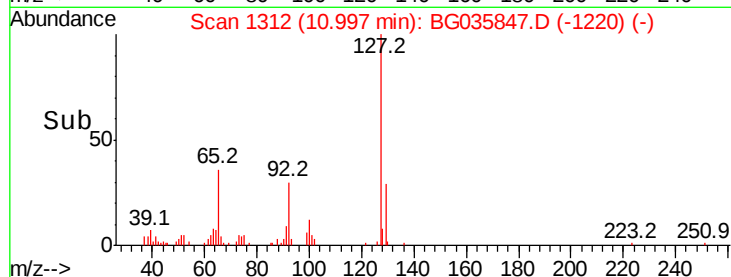
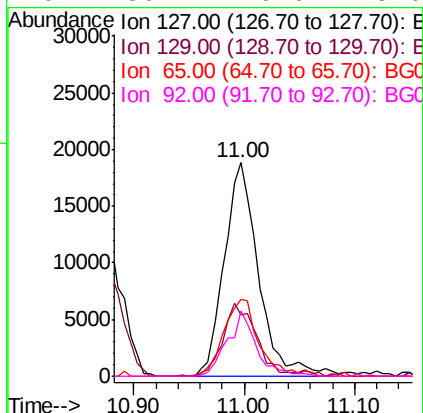
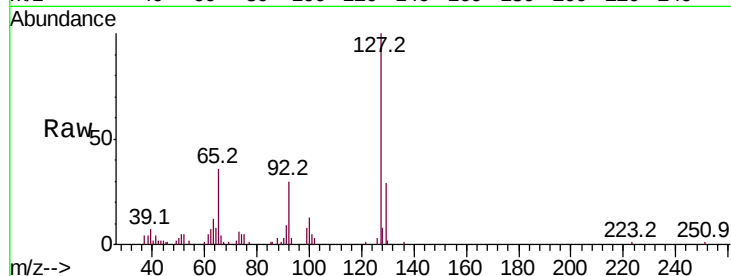




#33
4-Chloroaniline
Concen: 13.083 ng
RT: 11.00 min Scan# 1312
Delta R.T. 0.01 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

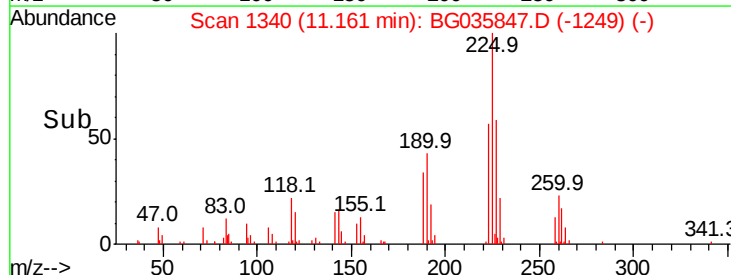
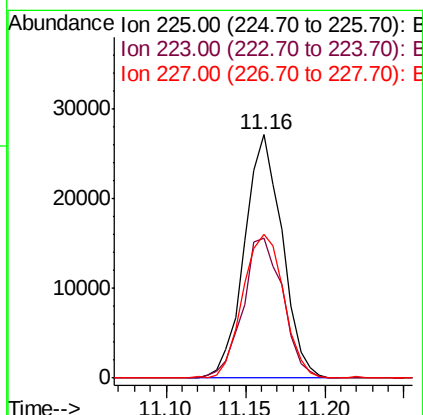
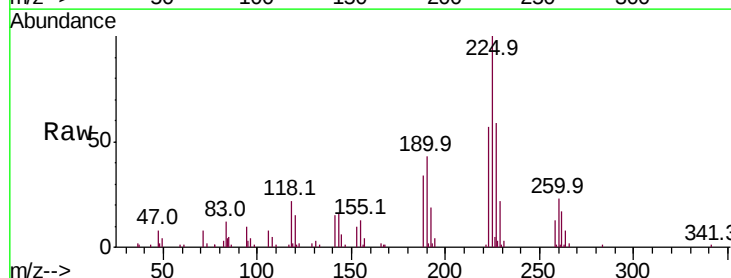
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2018

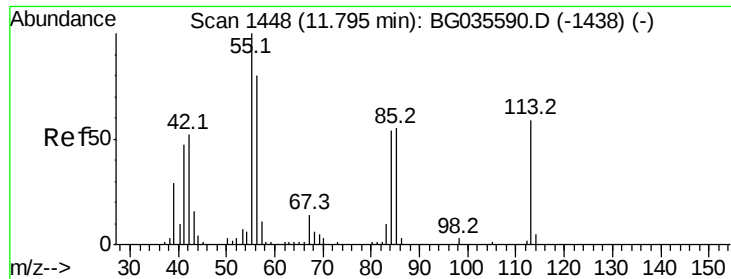
Tot Ion:127 Resp: 40971
Ion Ratio Lower Upper
127 100
129 28.7 24.0 36.0
65 36.0 27.0 40.4
92 30.4 16.6 25.0#



#34
Hexachlorobutadiene
Concen: 20.595 ng
RT: 11.16 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

Tgt Ion:225 Resp: 44878
Ion Ratio Lower Upper
225 100
223 57.2 49.7 74.5
227 59.3 48.1 72.1





#35

Caprolactam

Concen: 16.680 ng

RT: 11.75 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

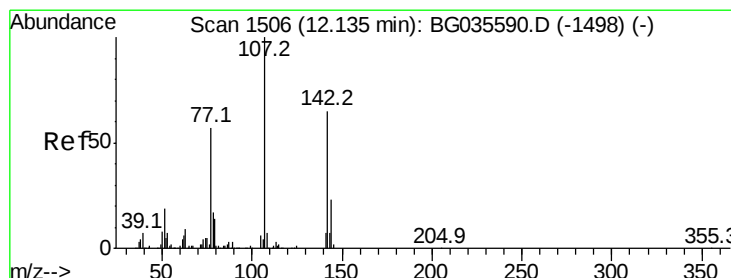
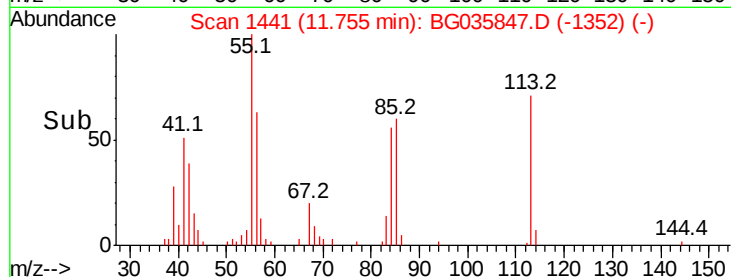
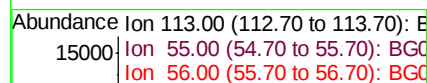
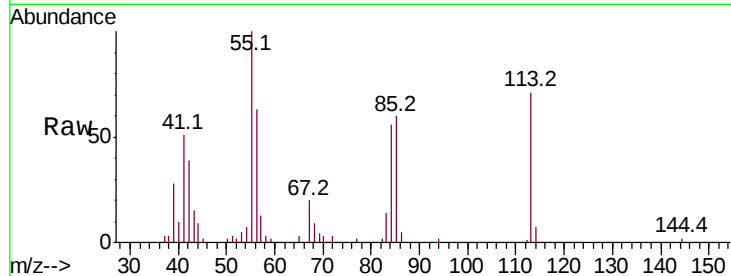
Tot Ion:113 Resp: 16312

Ion Ratio Lower Upper

113 100

55 140.6 186.9 226.9#

56 87.9 130.9 170.9#



#36

4-Chloro-3-methylphenol

Concen: 20.334 ng

RT: 12.11 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

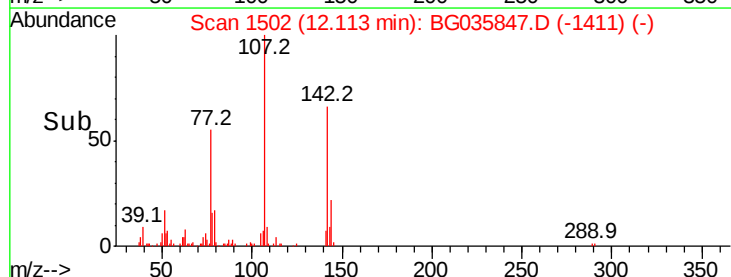
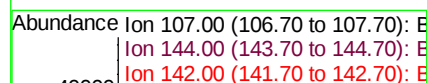
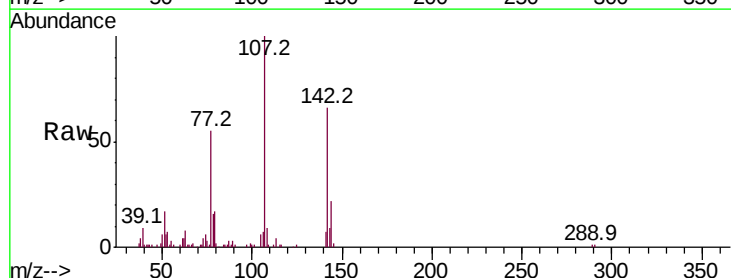
Tgt Ion:107 Resp: 62111

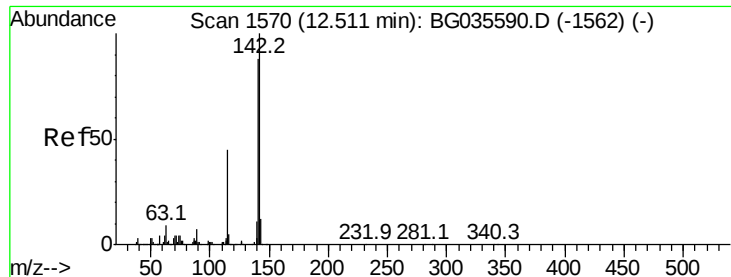
Ion Ratio Lower Upper

107 100

144 21.9 18.2 27.4

142 66.1 59.0 88.4

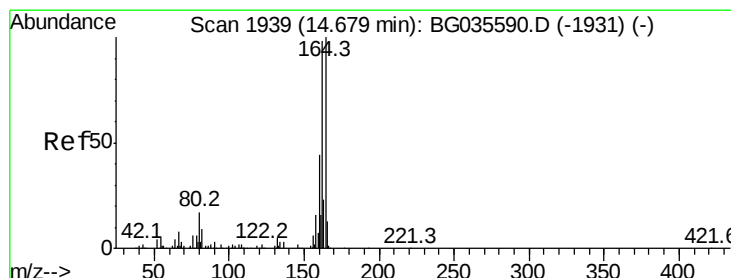
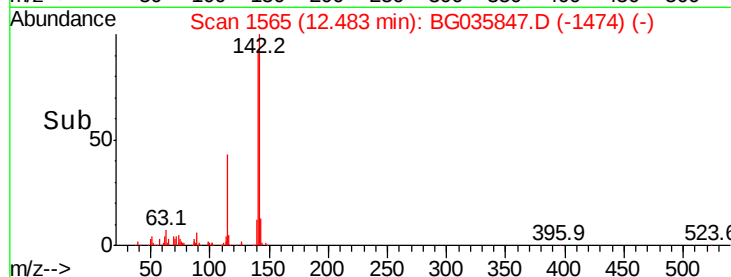
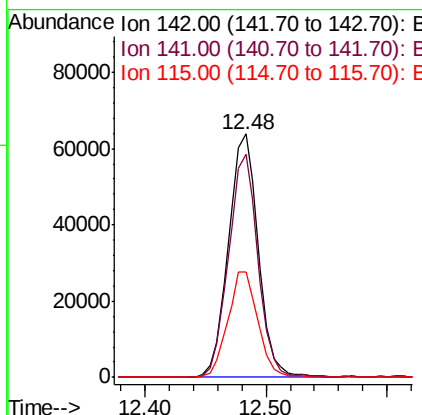
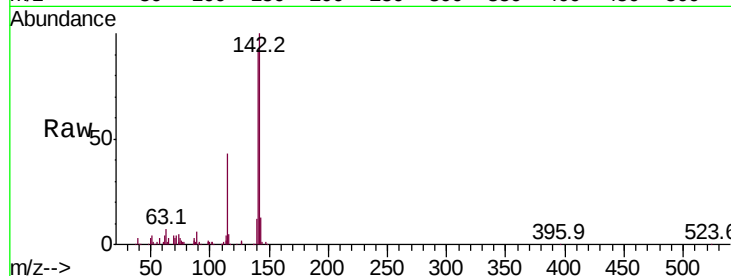




#37
2-Methylnaphthalene
Concen: 20.446 ng
RT: 12.48 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

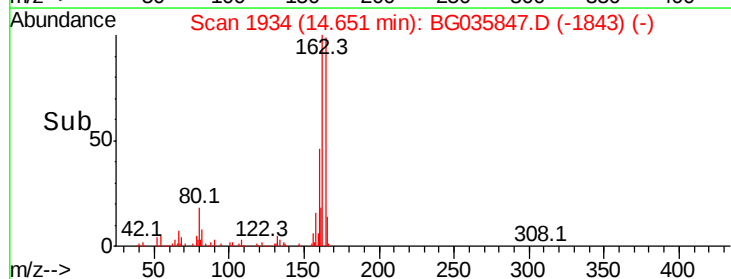
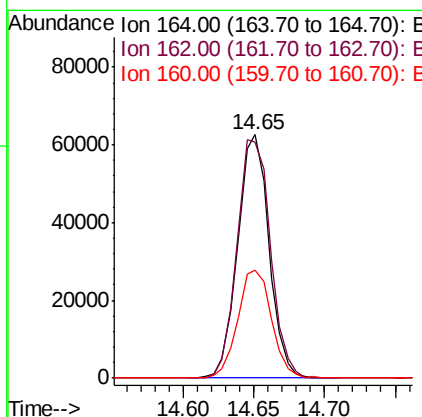
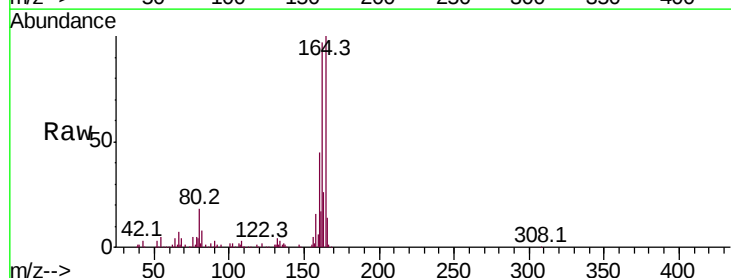
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:142 Resp: 109449
Ion Ratio Lower Upper
142 100
141 91.5 67.1 100.7
115 43.4 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1934
Delta R.T. 0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

Tgt Ion:164 Resp: 96902
Ion Ratio Lower Upper
164 100
162 97.2 78.8 118.2
160 44.6 35.4 53.0

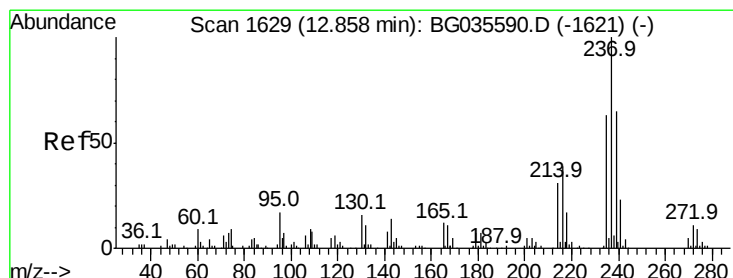
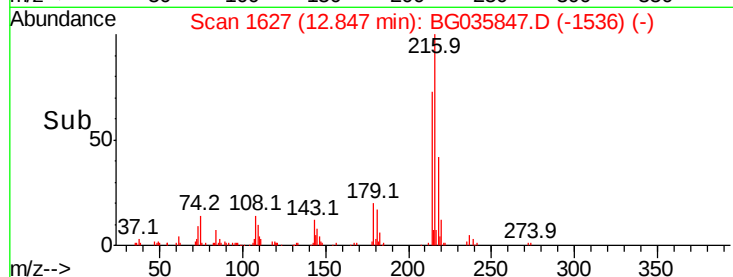
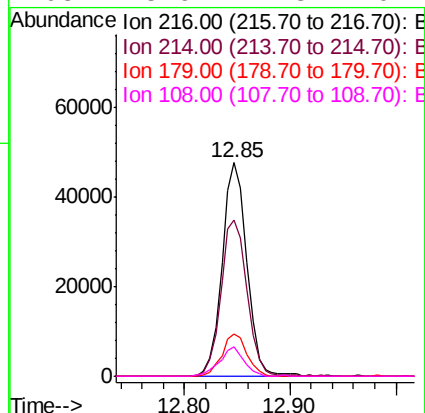
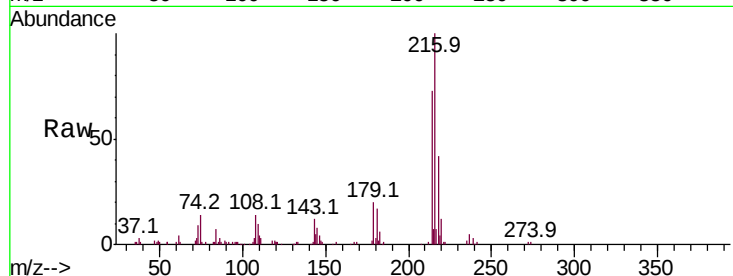




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 21.066 ng
 RT: 12.85 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

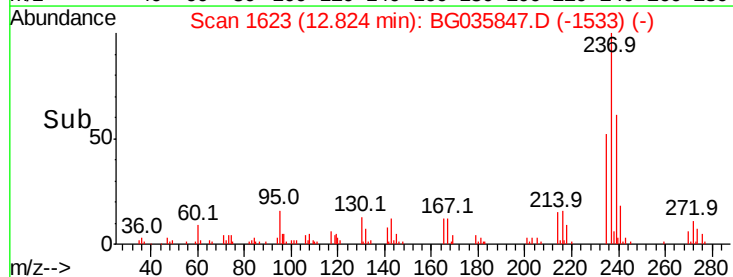
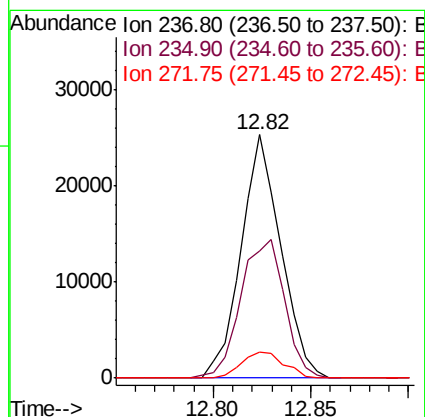
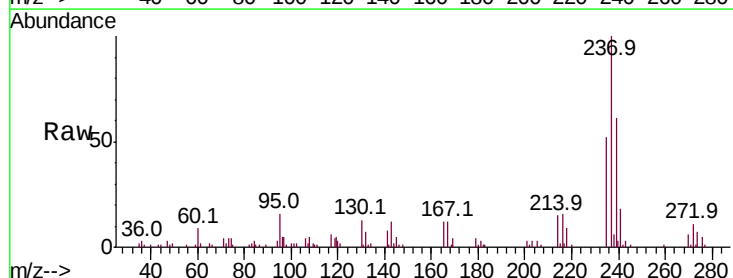
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion:	216	Resp:	77048
Ion	Ratio	Lower	Upper
216	100		
214	77.3	63.0	94.4
179	20.0	17.0	25.6
108	13.6	12.8	19.2



#40
 Hexachlorocyclopentadiene
 Concen: 18.566 ng
 RT: 12.82 min Scan# 1623
 Delta R.T. -0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

Tgt Ion:	237	Resp:	35611
Ion	Ratio	Lower	Upper
237	100		
235	52.3	50.4	90.4
272	10.9	0.0	31.8

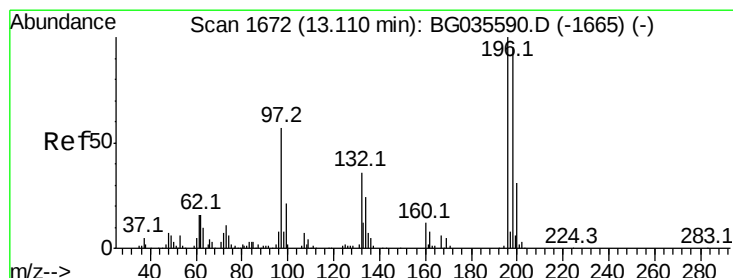
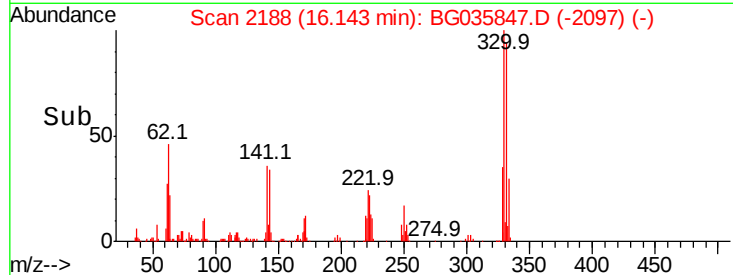
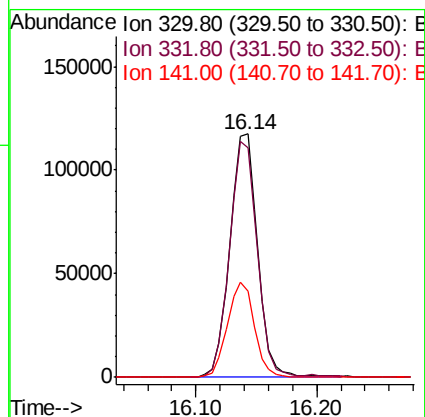
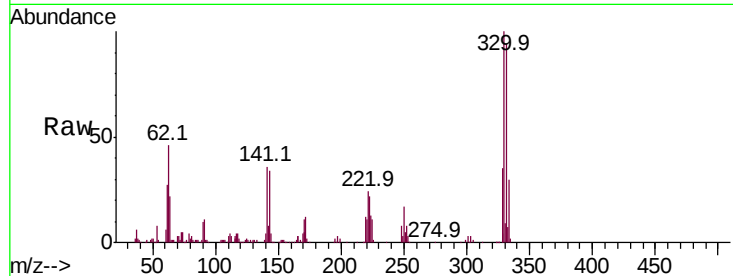




#41
 2,4,6-Tribromophenol
 Concen: 147.089 ng
 RT: 16.14 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

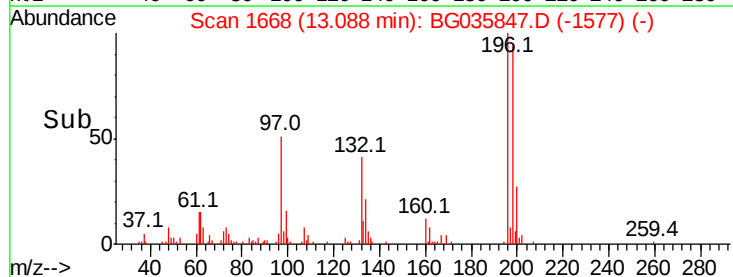
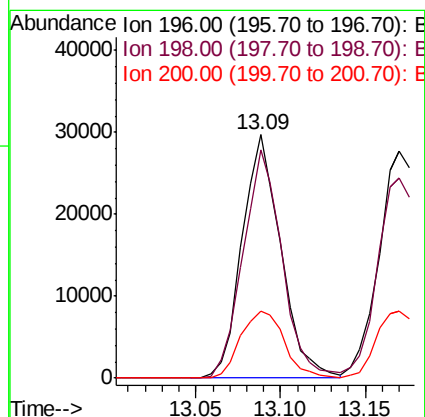
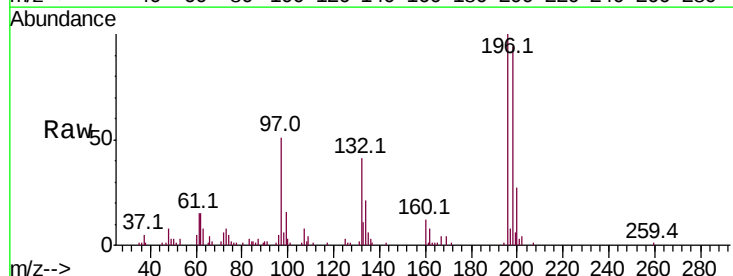
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion:330 Resp: 187866
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 38.0 25.2 37.8#



#42
 2,4,6-Trichlorophenol
 Concen: 22.165 ng
 RT: 13.09 min Scan# 1668
 Delta R.T. 0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

Tgt Ion:196 Resp: 47408
 Ion Ratio Lower Upper
 196 100
 198 93.6 78.2 117.2
 200 27.2 24.6 36.8

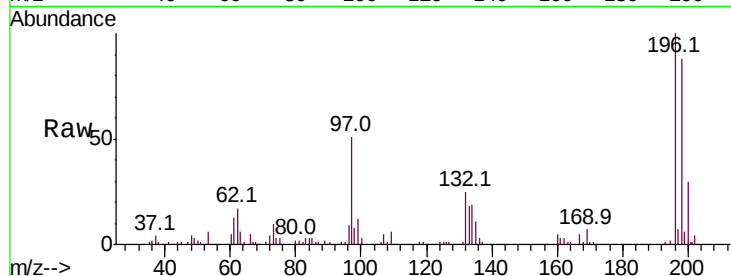




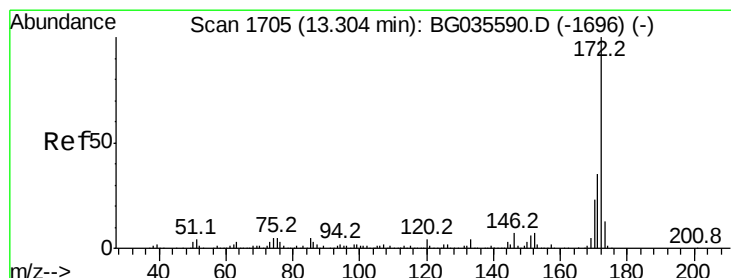
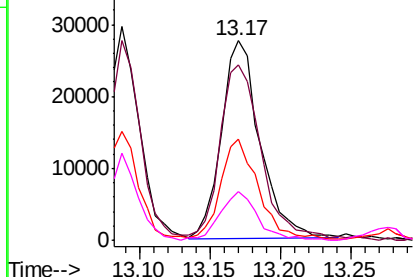
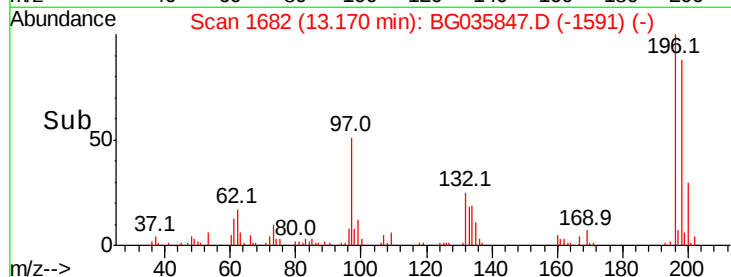
#43
 2,4,5-Trichlorophenol
 Concen: 21.794 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion:	196	Resp:	52147
Ion	Ratio	Lower	Upper
196	100		
198	88.0	76.2	114.4
97	50.7	38.7	58.1
132	24.7	20.2	30.2

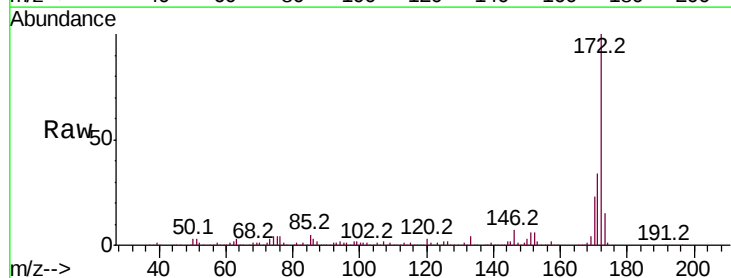


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

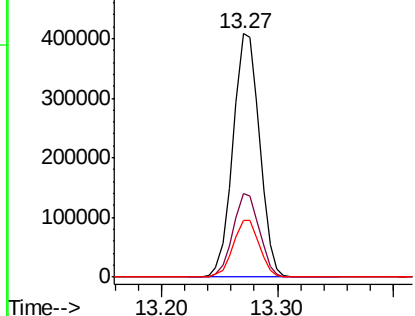
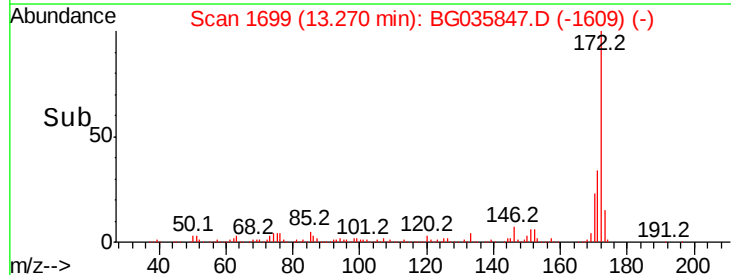


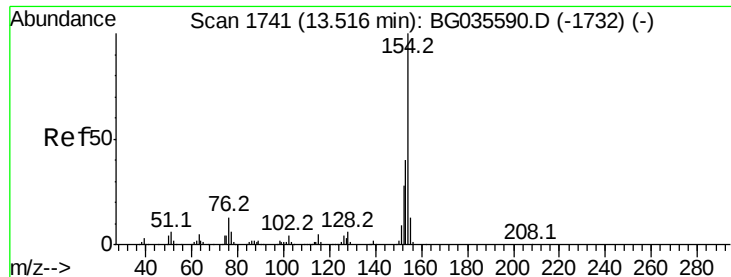
#44
 2-Fluorobiphenyl
 Concen: 89.743 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

Tgt Ion:	172	Resp:	649101
Ion	Ratio	Lower	Upper
172	100		
171	34.4	30.0	45.0
170	23.2	19.5	29.3



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

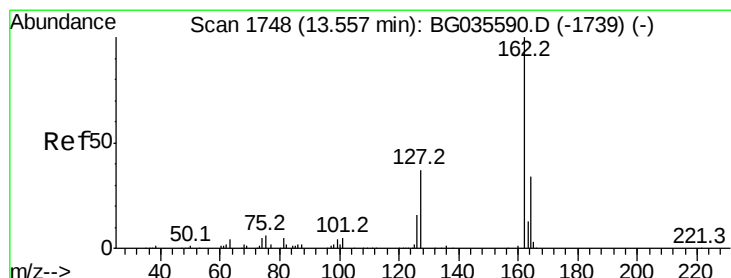
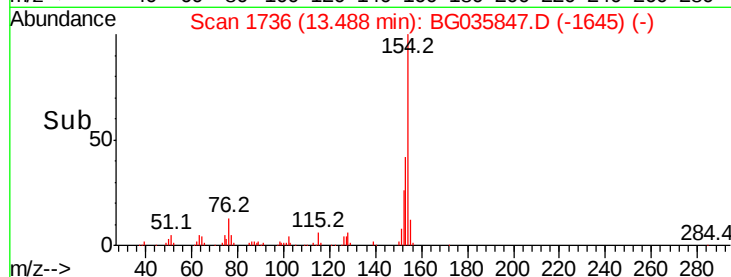
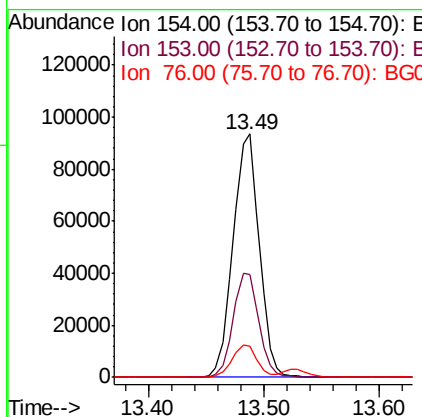
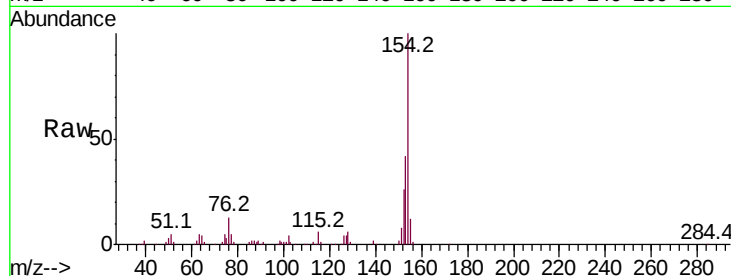




#45
 1,1'-Biphenyl
 Concen: 19.594 ng
 RT: 13.49 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

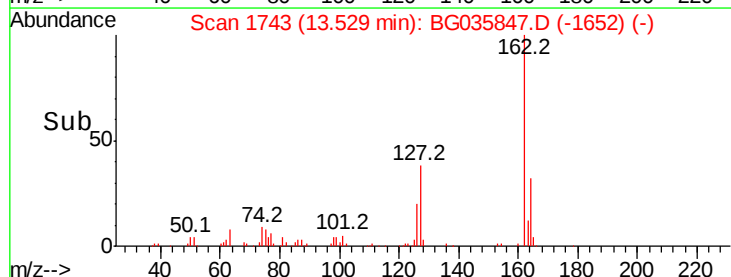
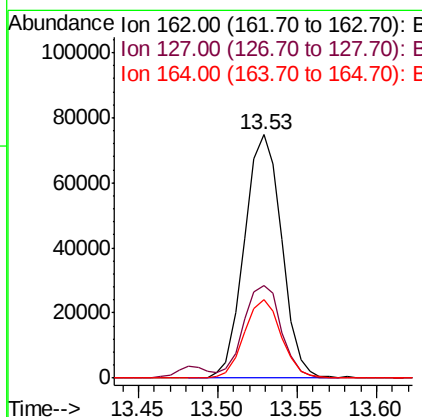
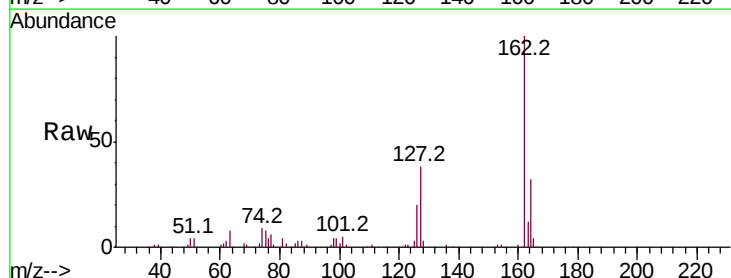
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

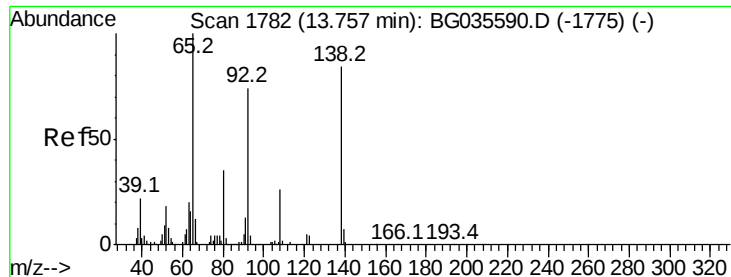
Tot Ion	Ratio	Lower	Upper
154	100		
153	42.1	19.8	59.8
76	12.9	0.0	31.9



#46
 2-Chloronaphthalene
 Concen: 20.892 ng
 RT: 13.53 min Scan# 1743
 Delta R.T. 0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.2	30.7	46.1
164	32.1	26.0	39.0





#47

2-Nitroaniline

Concen: 18.964 ng

RT: 13.73 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

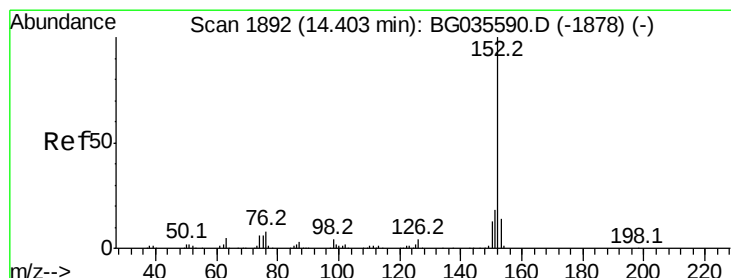
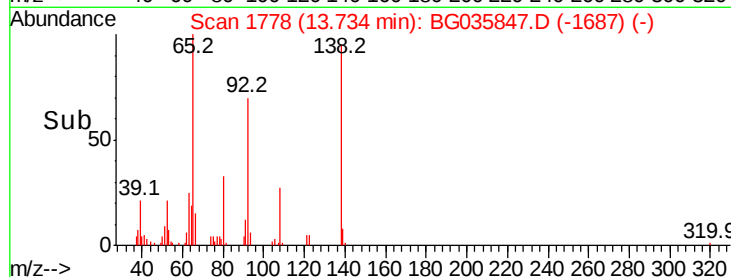
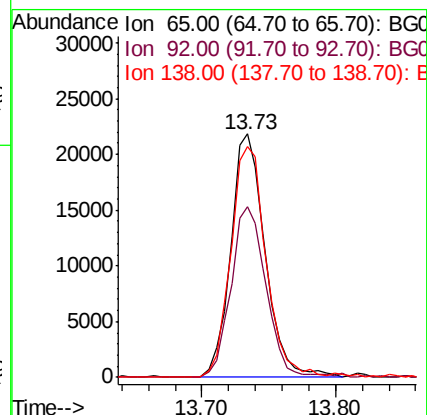
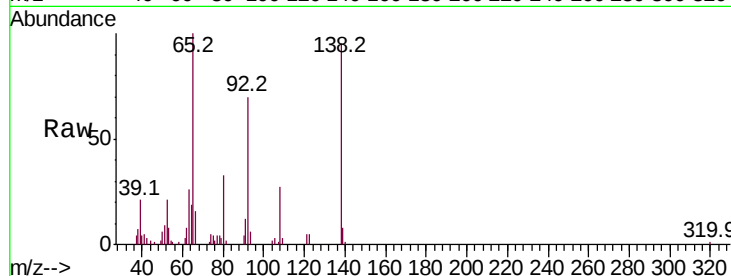
Tot Ion: 65 Resp: 39178

Ion Ratio Lower Upper

65 100

92 70.2 54.6 82.0

138 94.5 72.9 109.3



#48

Acenaphthylene

Concen: 20.420 ng

RT: 14.37 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

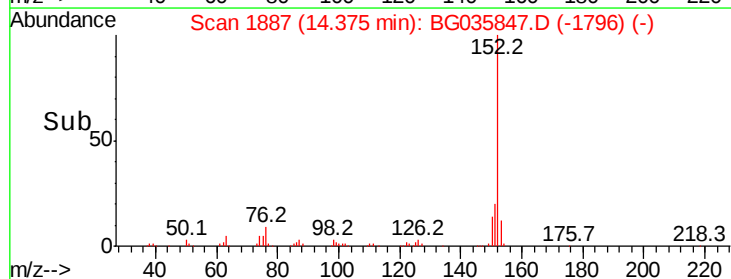
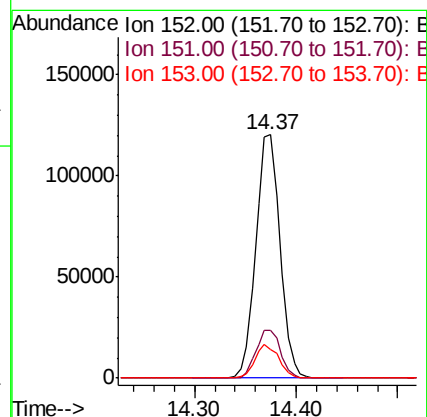
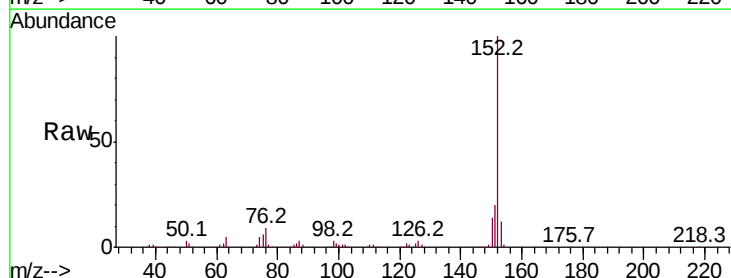
Tgt Ion: 152 Resp: 199886

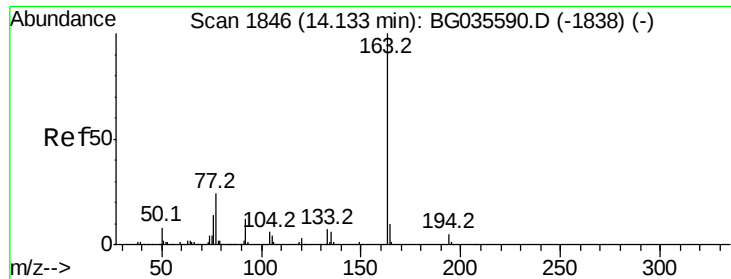
Ion Ratio Lower Upper

152 100

151 19.9 17.2 25.8

153 11.9 10.2 15.4

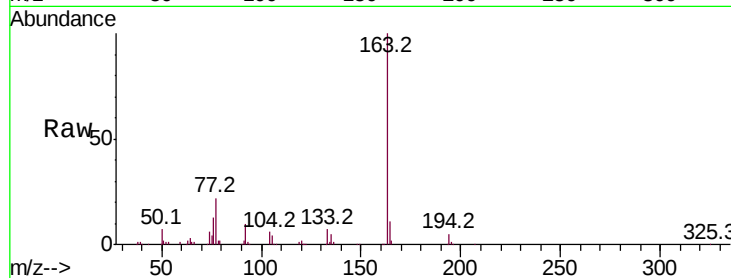




#49
Dimethylphthalate
Concen: 19.307 ng
RT: 14.10 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.4	5.2
164	10.5	8.2	12.4

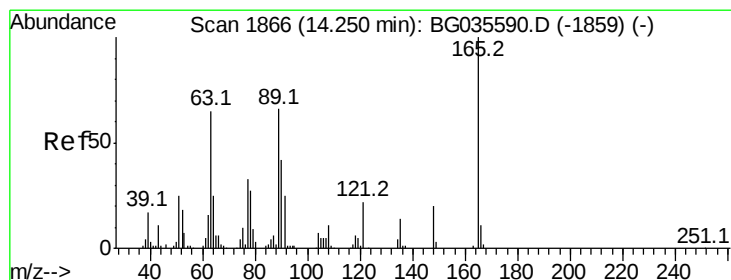
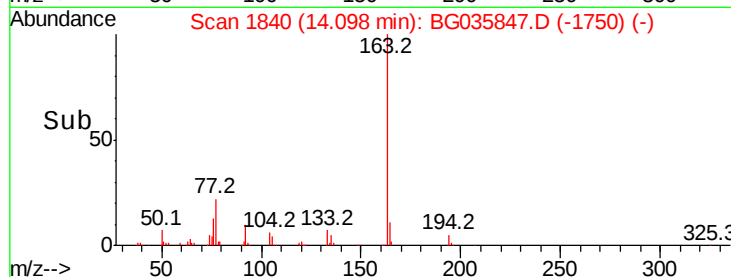
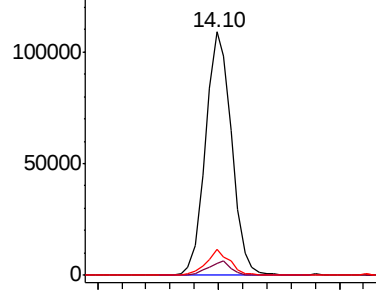


Abundance

Ion 163.00 (162.70 to 163.70): E

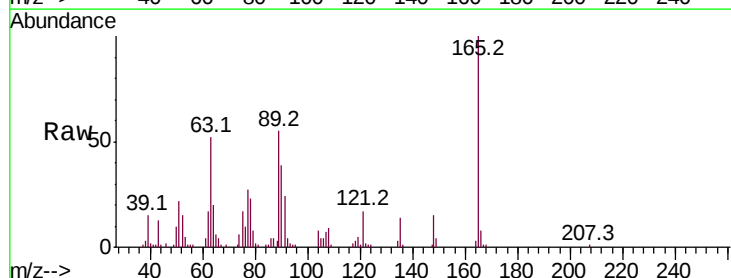
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50
2,6-Dinitrotoluene
Concen: 21.800 ng
RT: 14.22 min Scan# 1861
Delta R.T. -0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	51.7	52.7	79.1#
89	54.7	49.2	73.8

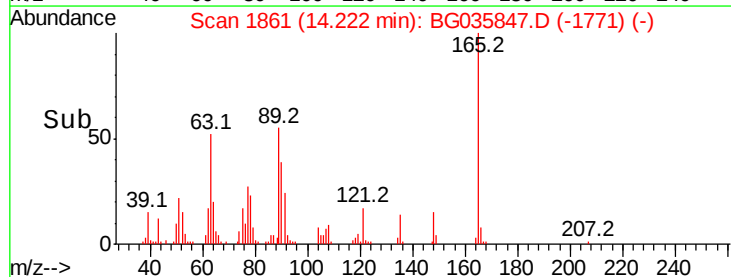
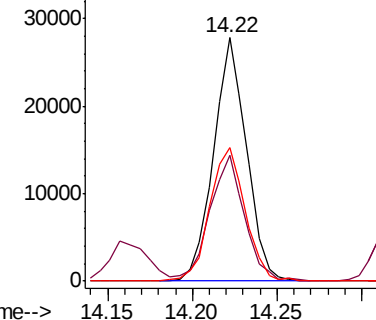


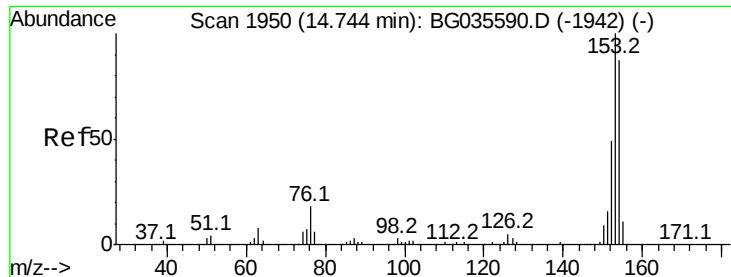
Abundance

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: 18.761 ng

RT: 14.72 min Scan# 1945

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

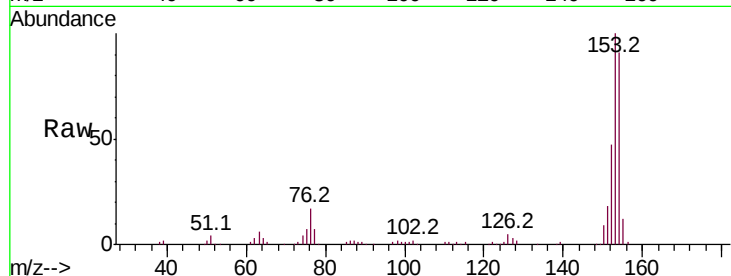
Tot Ion:154 Resp: 114402

Ion Ratio Lower Upper

154 100

153 109.7 90.4 135.6

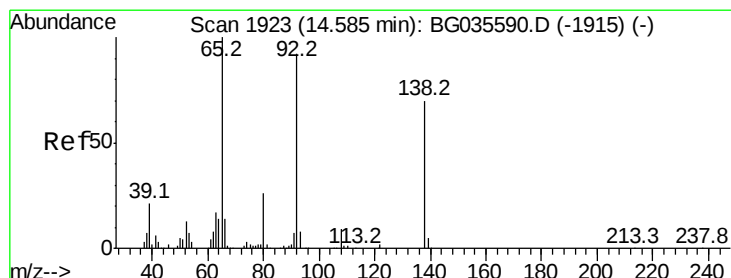
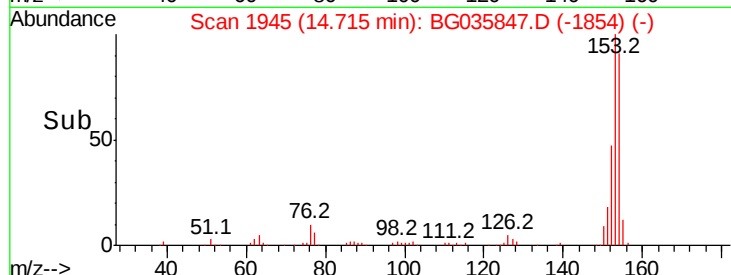
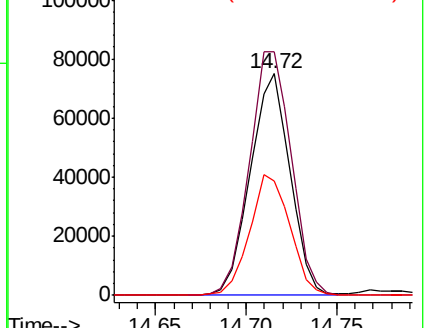
152 51.9 41.6 62.4



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: 16.500 ng

RT: 14.56 min Scan# 1918

Delta R.T. -0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

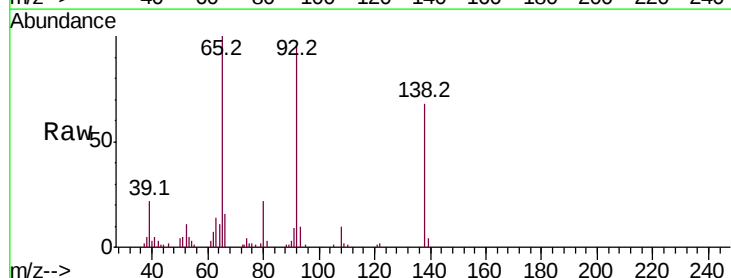
Tgt Ion:138 Resp: 29157

Ion Ratio Lower Upper

138 100

108 15.1 17.5 26.3#

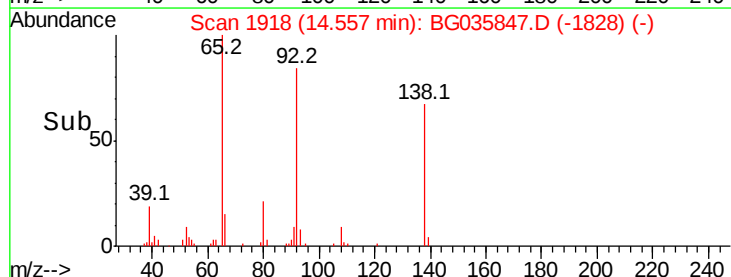
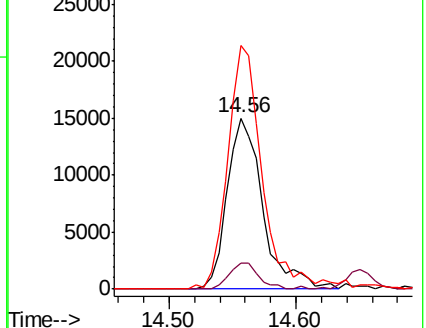
92 142.1 105.8 158.8

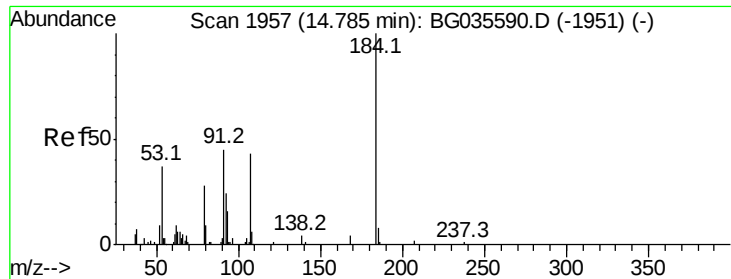


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

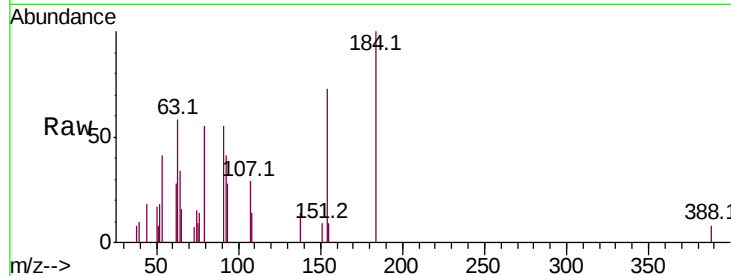




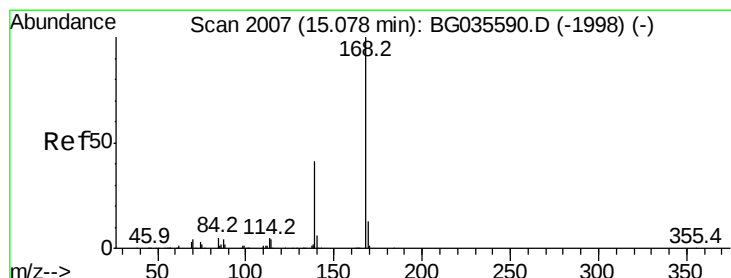
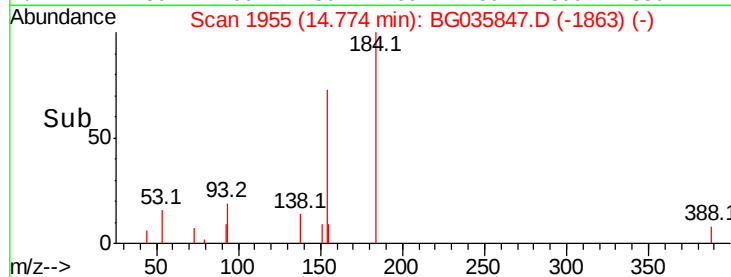
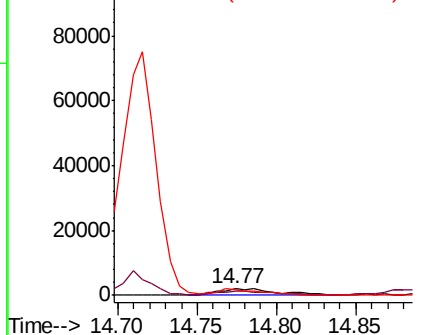
#53
 2,4-Dinitrophenol
 Concen: 12.076 ng
 RT: 14.77 min Scan# 1955
 Delta R.T. 0.01 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion:184 Resp: 5322
 Ion Ratio Lower Upper
 184 100
 63 57.9 59.8 89.8#
 154 73.4 101.8 152.8#

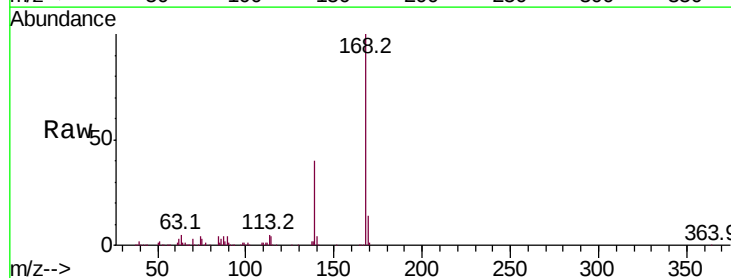


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

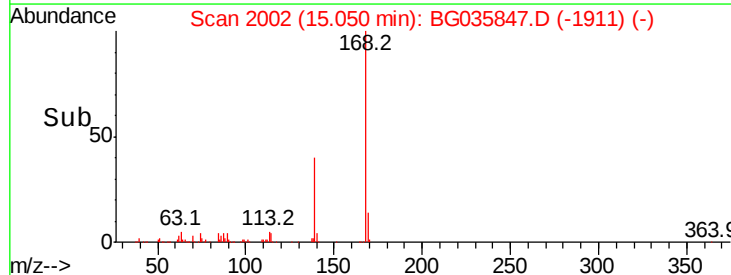
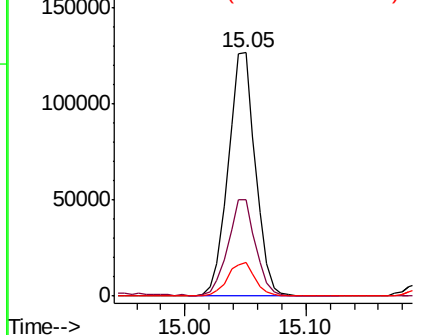


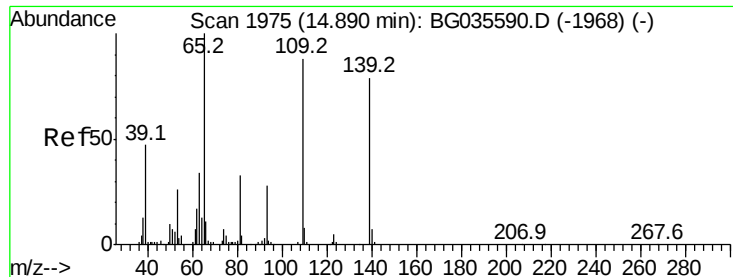
#54
 Dibenzofuran
 Concen: 20.448 ng
 RT: 15.05 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

Tgt Ion:168 Resp: 198299
 Ion Ratio Lower Upper
 168 100
 139 39.8 28.6 43.0
 169 13.8 11.2 16.8



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 15.020 ng

RT: 14.89 min Scan# 1974

Delta R.T. 0.01 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

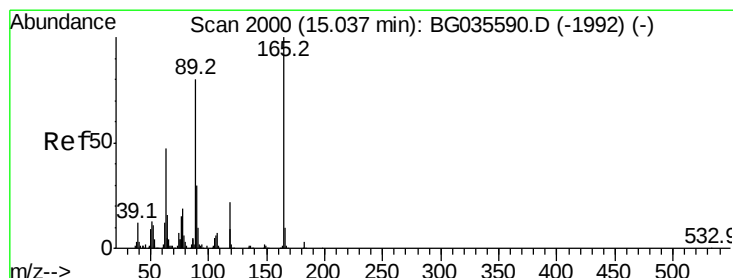
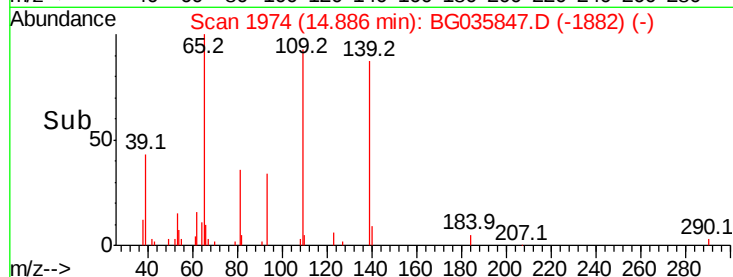
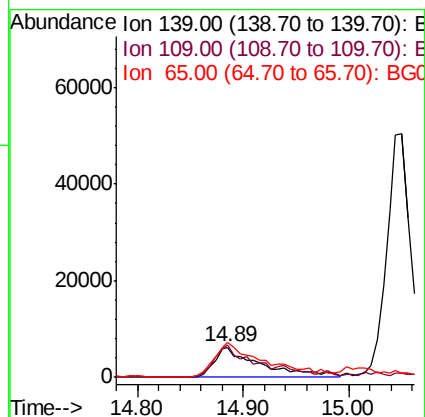
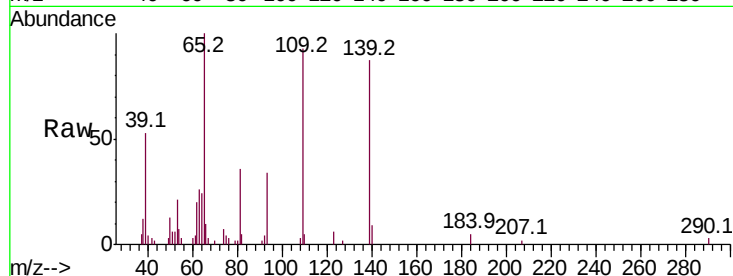
Tot Ion:139 Resp: 18902

Ion Ratio Lower Upper

139 100

109 107.6 62.2 102.2#

65 115.4 97.2 137.2



#56

2,4-Dinitrotoluene

Concen: 22.281 ng

RT: 15.01 min Scan# 1995

Delta R.T. -0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Tgt Ion:165 Resp: 55264

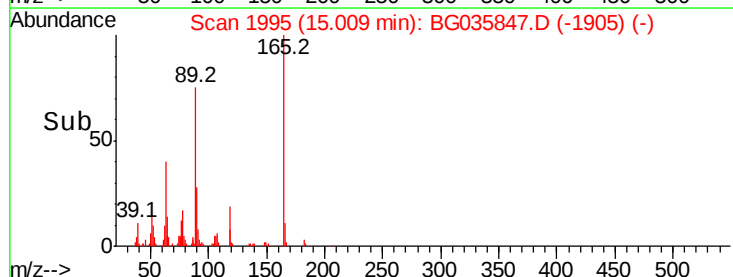
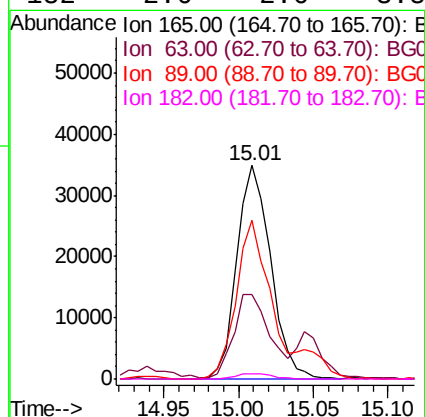
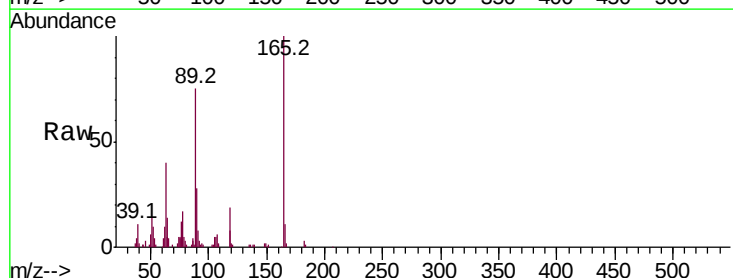
Ion Ratio Lower Upper

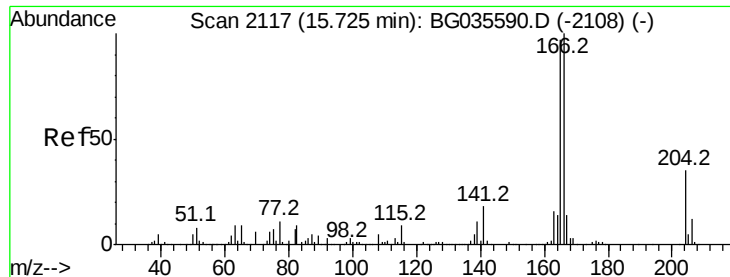
165 100

63 39.6 42.0 63.0#

89 74.6 66.9 100.3

182 2.6 2.6 3.8





#57

Fluorene

Concen: 20.472 ng

RT: 15.70 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

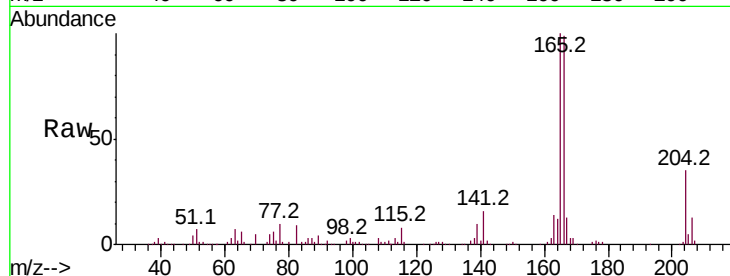
Tot Ion:166 Resp: 166402

Ion Ratio Lower Upper

166 100

165 101.0 80.6 121.0

167 13.5 10.4 15.6

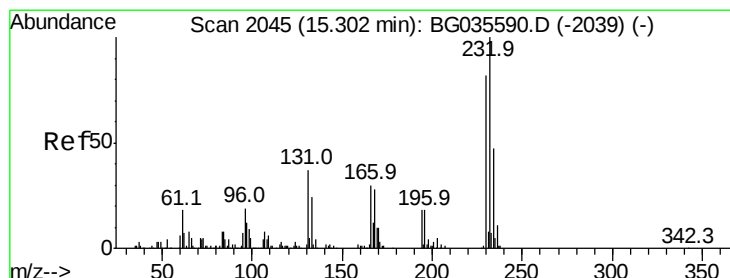
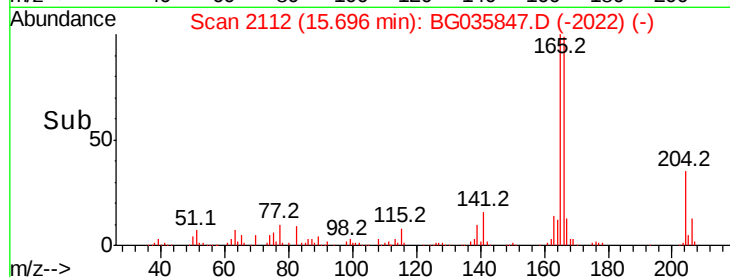
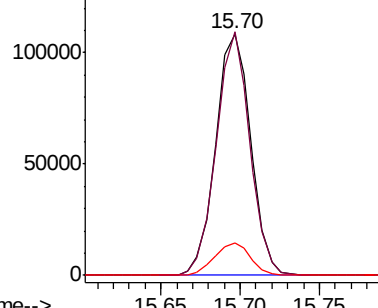


Abundance

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: 22.086 ng

RT: 15.28 min Scan# 2041

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Tgt Ion:232 Resp: 50668

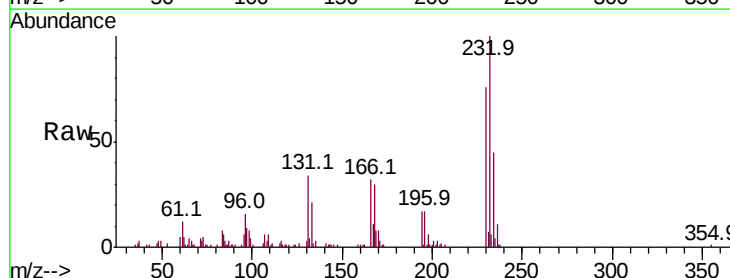
Ion Ratio Lower Upper

232 100

131 37.8 33.5 50.3

130 2.0 2.2 3.2#

166 29.2 24.8 37.2



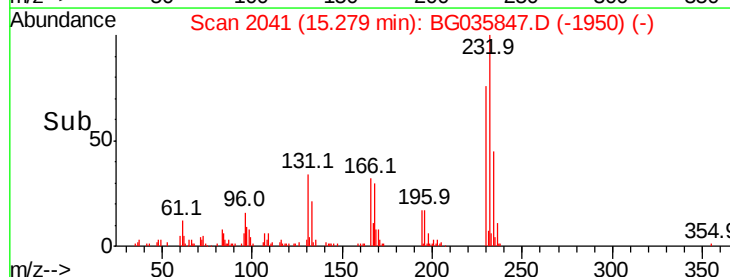
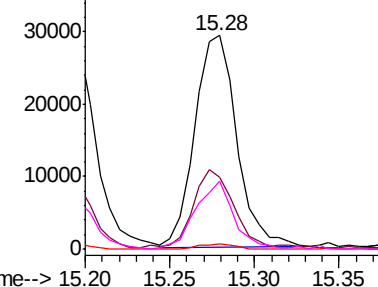
Abundance

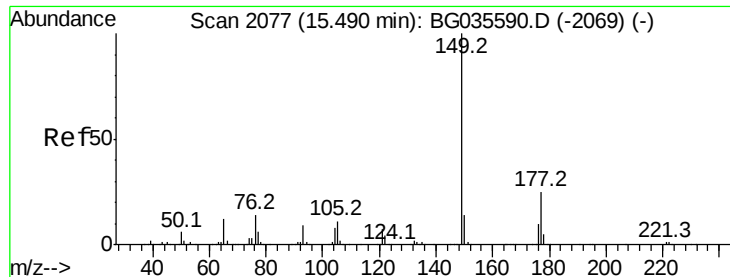
Ion 232.00 (231.70 to 232.70): E

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

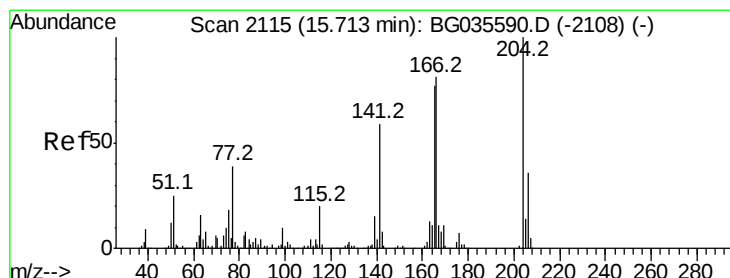
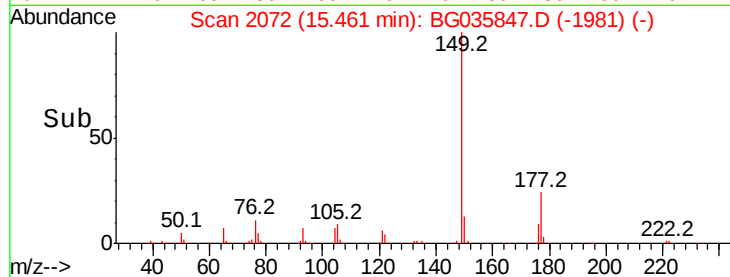
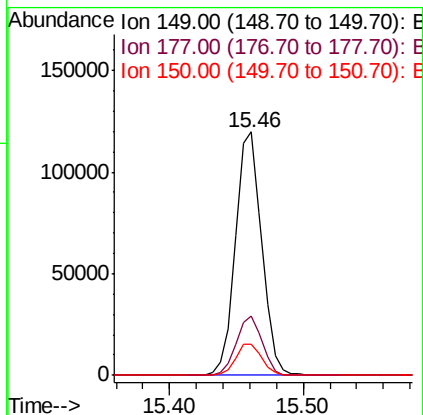
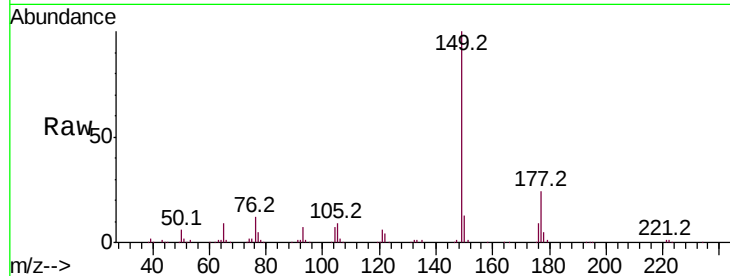




#59
Diethylphthalate
Concen: 18.689 ng
RT: 15.46 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

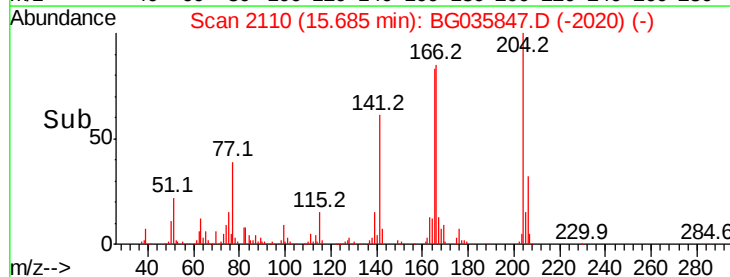
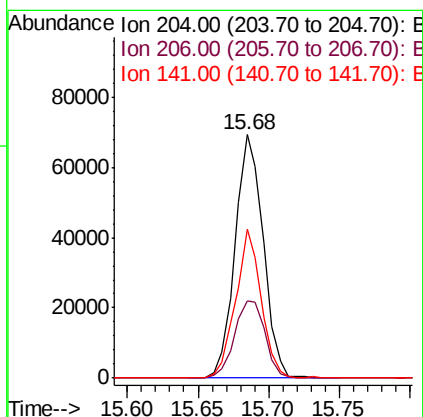
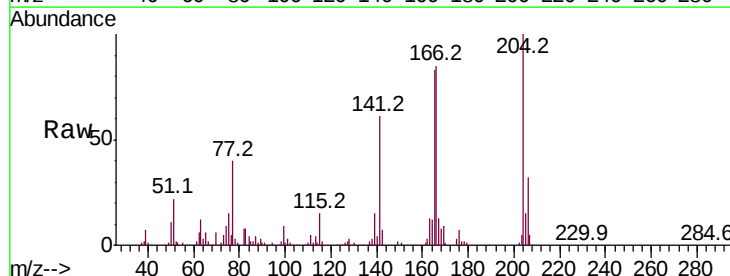
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2018

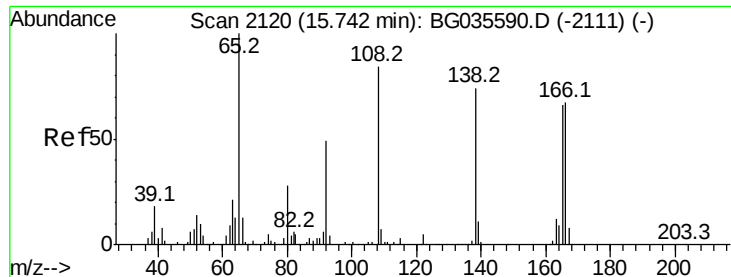
Tot Ion:149 Resp: 163153
Ion Ratio Lower Upper
149 100
177 24.3 18.5 27.7
150 12.9 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 20.051 ng
RT: 15.68 min Scan# 2110
Delta R.T. -0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

Tgt Ion:204 Resp: 95792
Ion Ratio Lower Upper
204 100
206 31.6 26.2 39.2
141 60.9 45.8 68.6

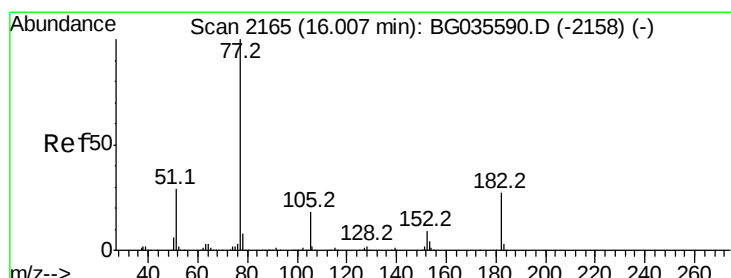
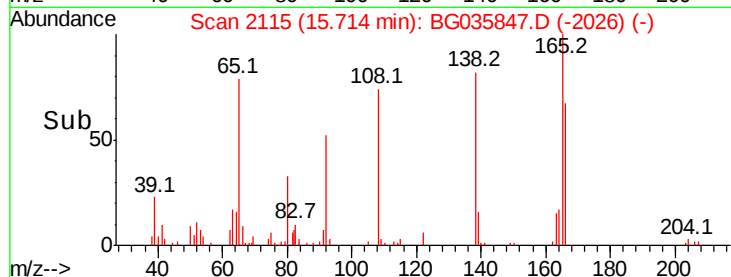
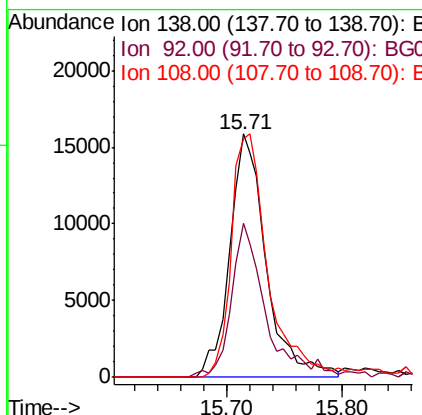
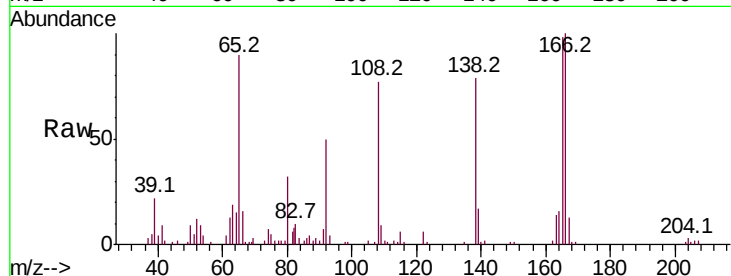




#61
4-Nitroaniline
Concen: 18.654 ng
RT: 15.71 min Scan# 2115
Delta R.T. -0.01 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

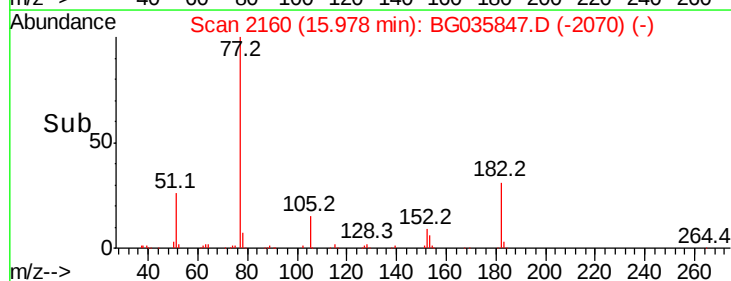
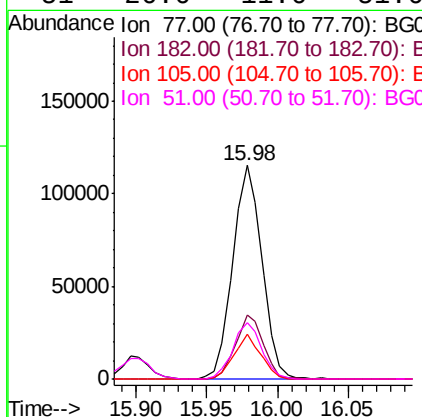
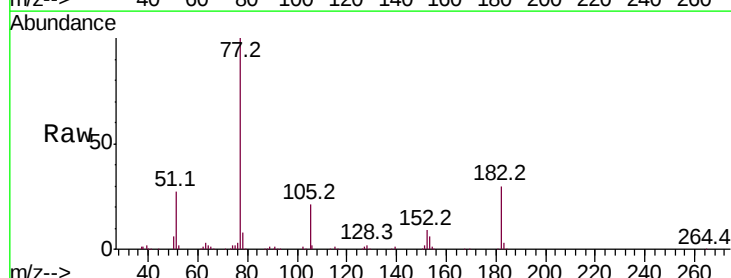
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:138 Resp: 34481
Ion Ratio Lower Upper
138 100
92 63.1 40.1 80.1
108 97.8 65.4 105.4



#62
Azobenzene
Concen: 19.292 ng
RT: 15.98 min Scan# 2160
Delta R.T. -0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

Tgt Ion: 77 Resp: 166130
Ion Ratio Lower Upper
77 100
182 30.0 7.4 47.4
105 21.0 0.3 40.3
51 26.6 11.6 51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

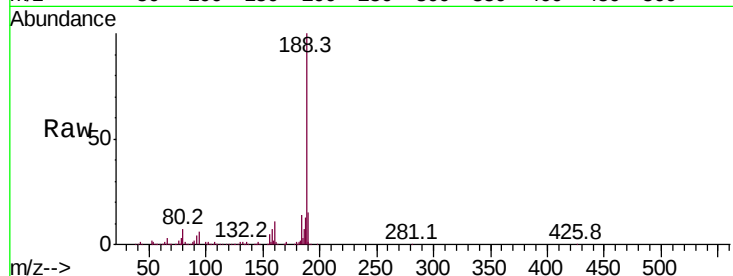
Tot Ion:188 Resp: 268730

Ion Ratio Lower Upper

188 100

94 5.6 6.9 10.3#

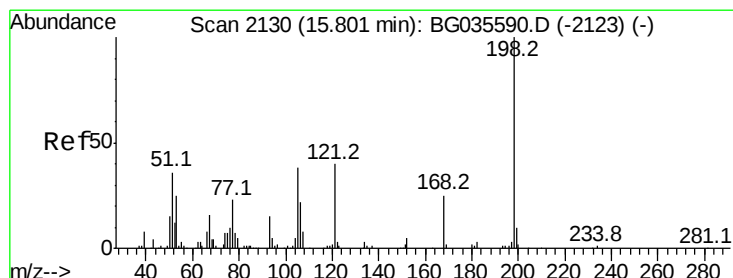
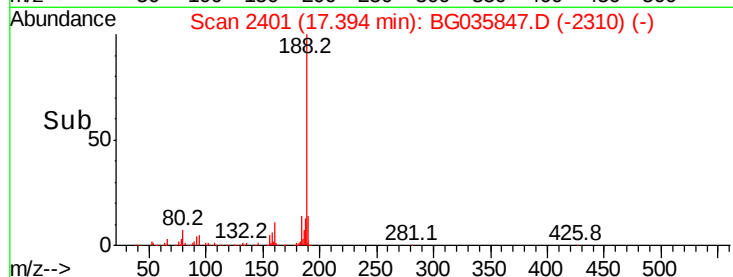
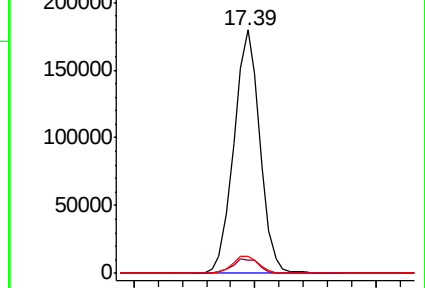
80 7.0 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#64

4,6-Dinitro-2-methylphenol

Concen: 13.536 ng

RT: 15.77 min Scan# 2125

Delta R.T. -0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

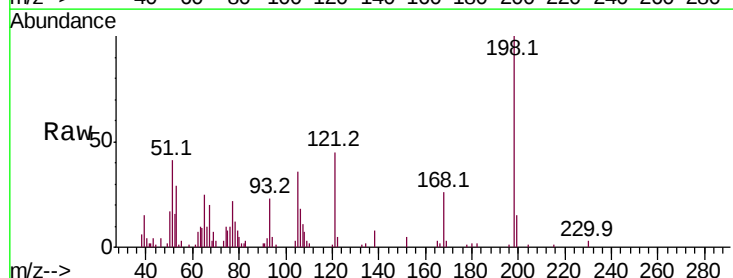
Tgt Ion:198 Resp: 20249

Ion Ratio Lower Upper

198 100

51 40.9 30.6 70.6

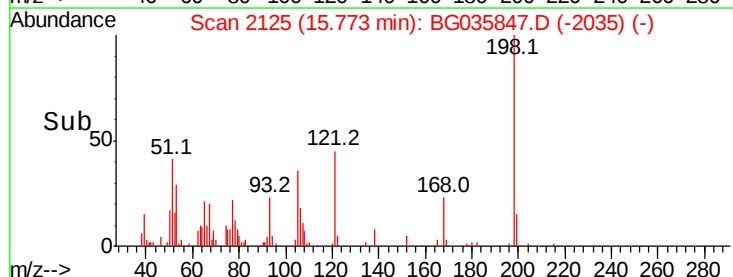
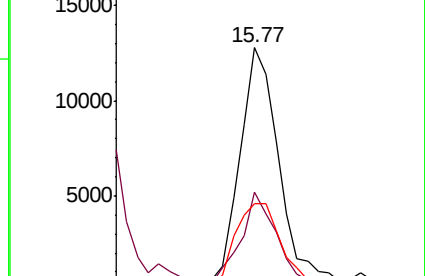
105 35.8 23.8 63.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

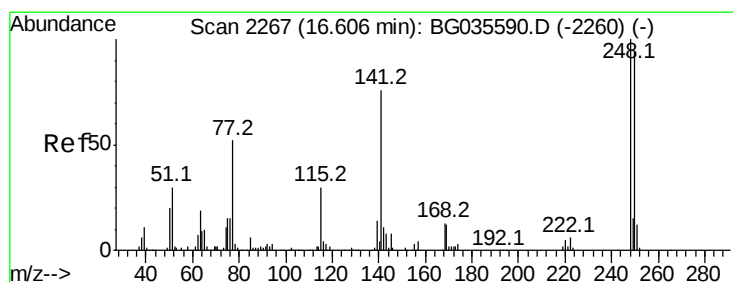
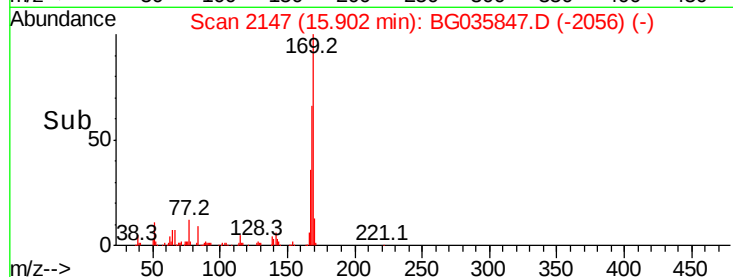
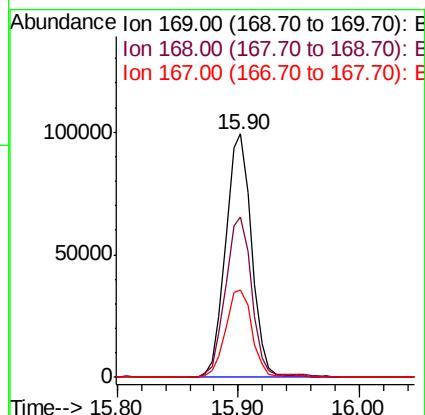
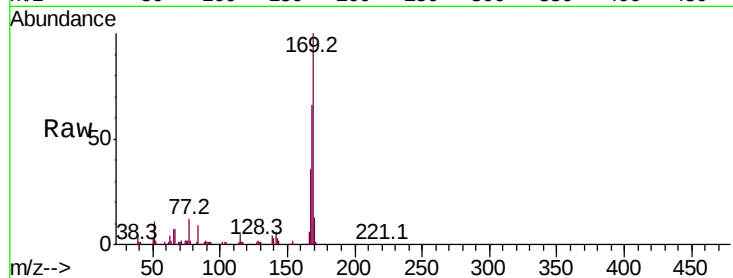




#65
n-Nitrosodiphenylamine
Concen: 19.286 ng
RT: 15.90 min Scan# 2147
Delta R.T. 0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

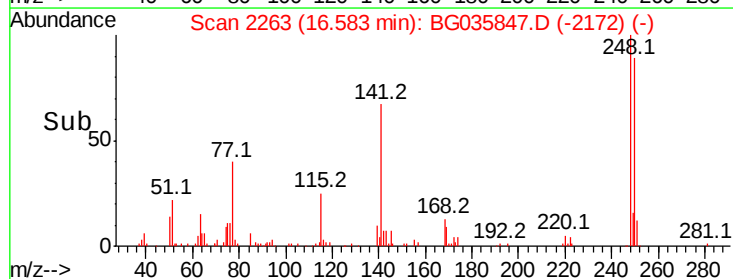
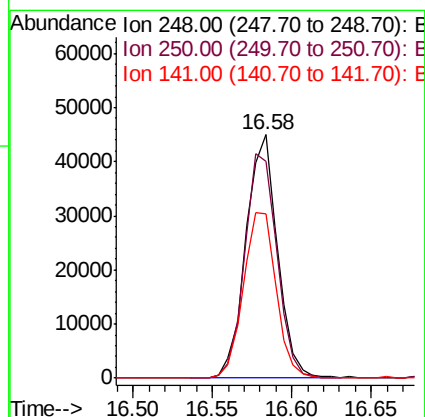
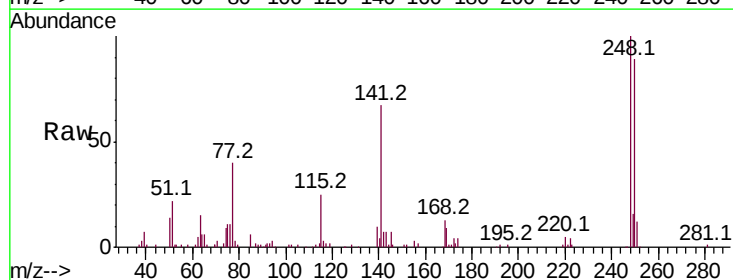
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:169 Resp: 147517
Ion Ratio Lower Upper
169 100
168 66.1 55.7 83.5
167 36.2 30.1 45.1



#66
4-Bromophenyl-phenylether
Concen: 19.938 ng
RT: 16.58 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

Tgt Ion:248 Resp: 62161
Ion Ratio Lower Upper
248 100
250 89.1 77.1 115.7
141 67.4 50.8 76.2





#67

Hexachlorobenzene

Concen: 20.821 ng

RT: 16.70 min Scan# 2283

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

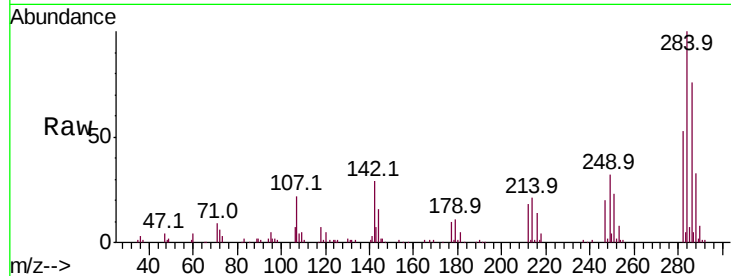
Tot Ion:284 Resp: 66848

Ion Ratio Lower Upper

284 100

142 29.3 26.8 40.2

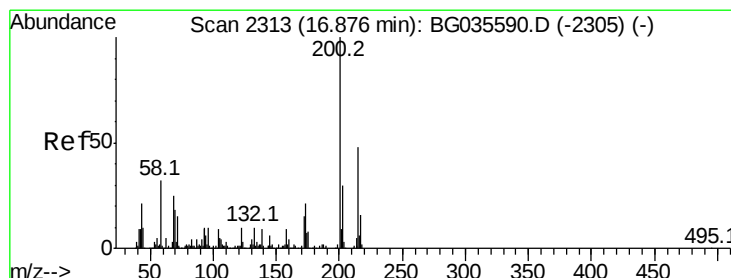
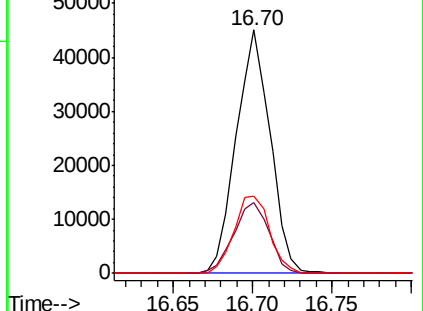
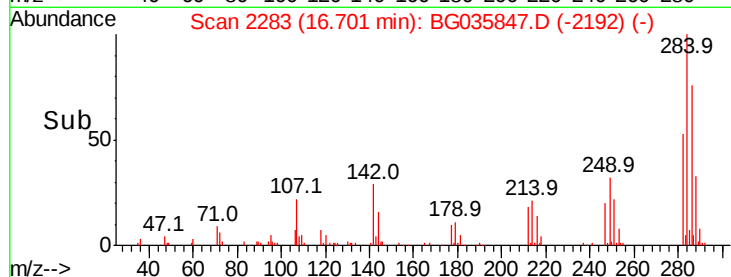
249 31.8 26.3 39.5



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: 20.391 ng

RT: 16.85 min Scan# 2308

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

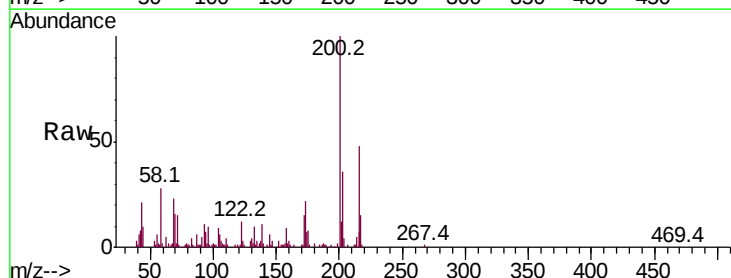
Tgt Ion:200 Resp: 64218

Ion Ratio Lower Upper

200 100

173 22.1 5.2 45.2

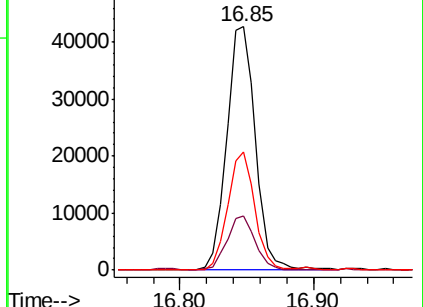
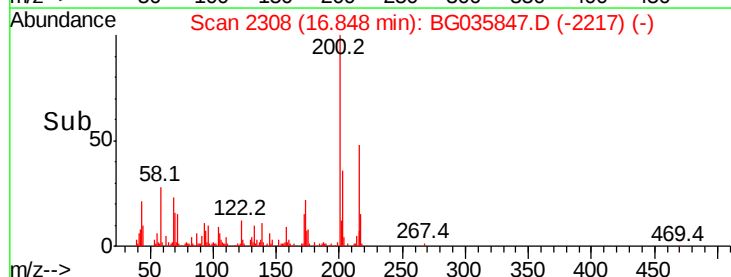
215 48.3 30.4 70.4

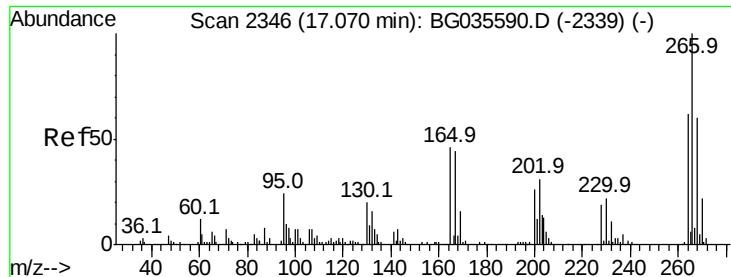


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

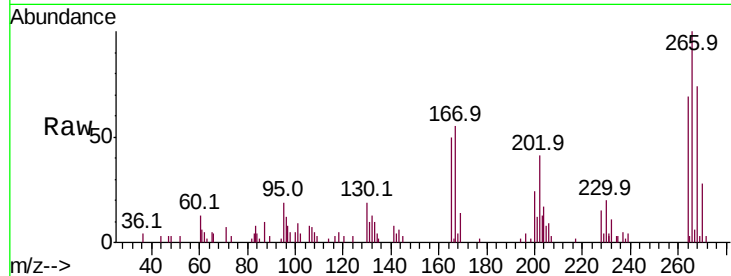




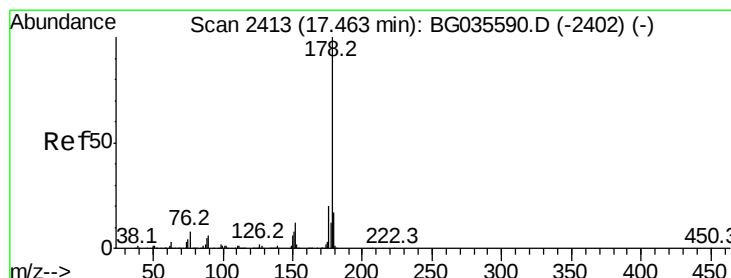
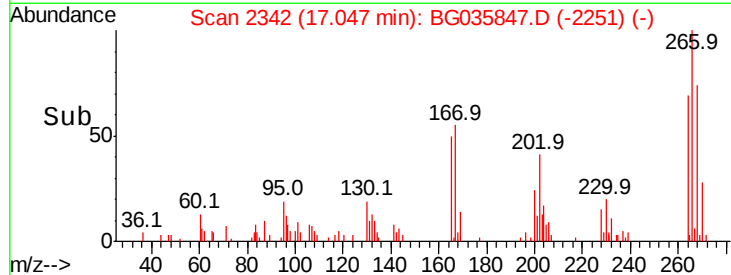
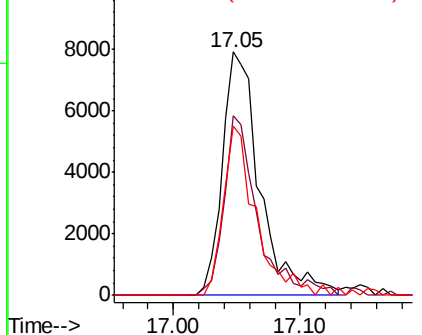
#69
 Pentachlorophenol
 Concen: 8.332 ng
 RT: 17.05 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion:266 Resp: 16294
 Ion Ratio Lower Upper
 266 100
 268 73.8 51.1 76.7
 264 69.4 49.6 74.4

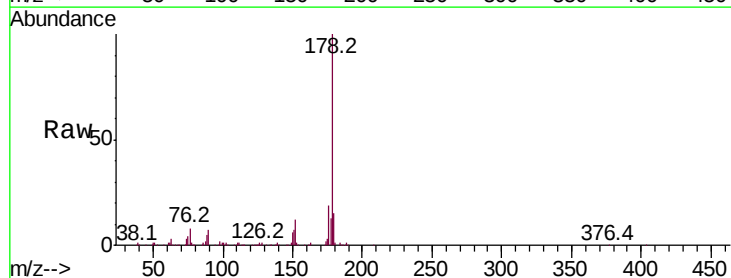


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

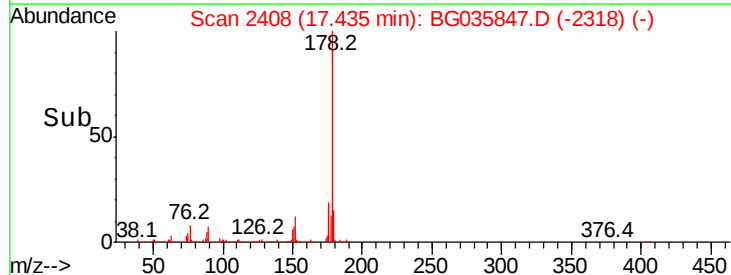
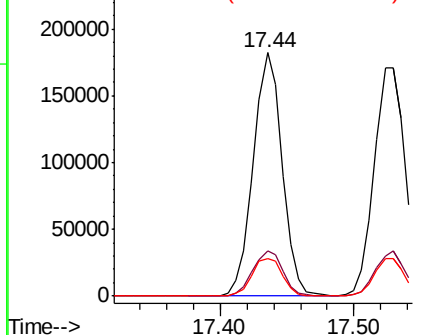


#70
 Phenanthrene
 Concen: 20.215 ng
 RT: 17.44 min Scan# 2408
 Delta R.T. -0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

Tgt Ion:178 Resp: 271067
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.7 23.5
 179 15.3 12.5 18.7



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

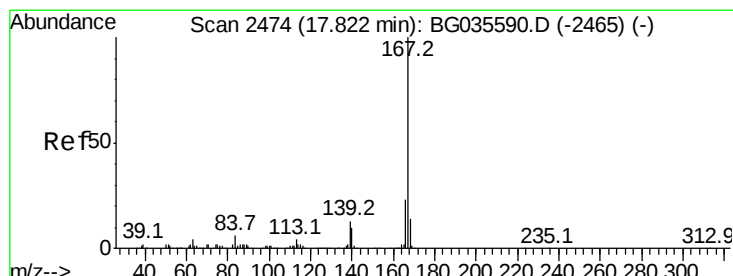
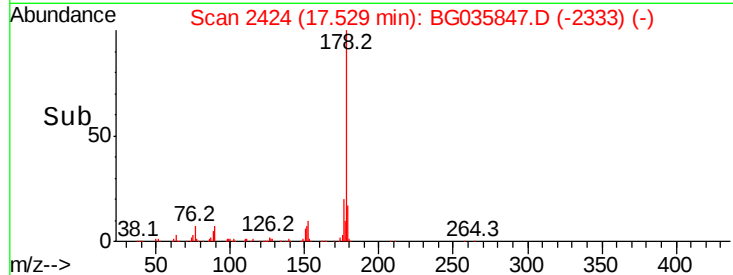
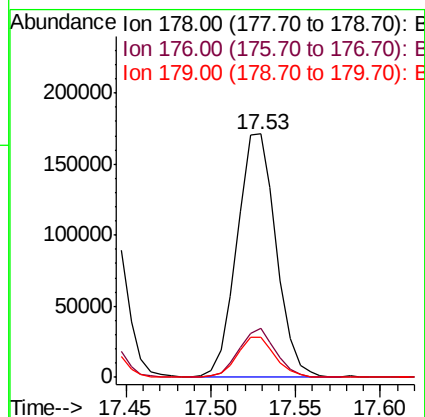
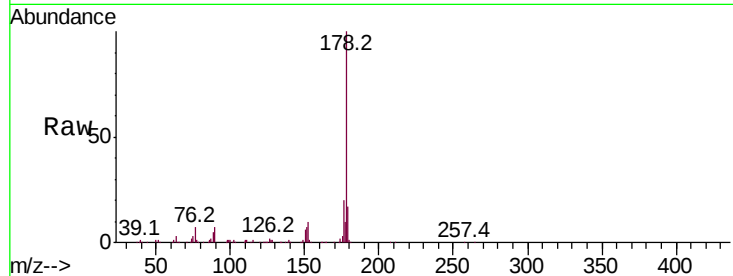




#71
 Anthracene
 Concen: 20.521 ng
 RT: 17.53 min Scan# 2424
 Delta R.T. 0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

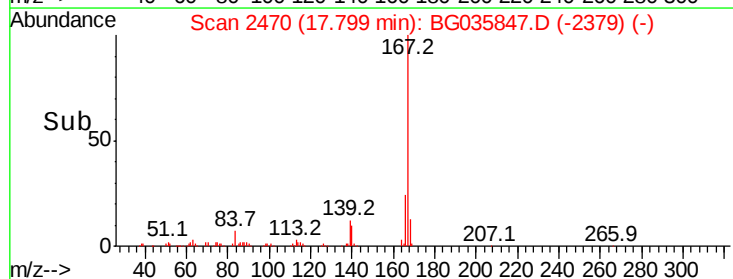
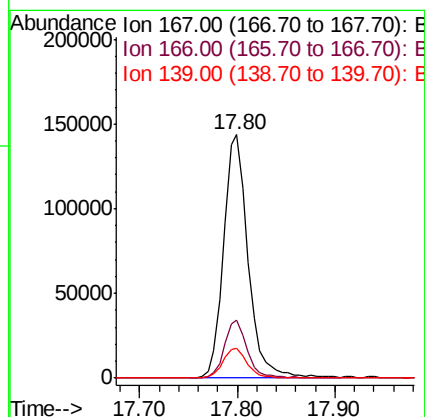
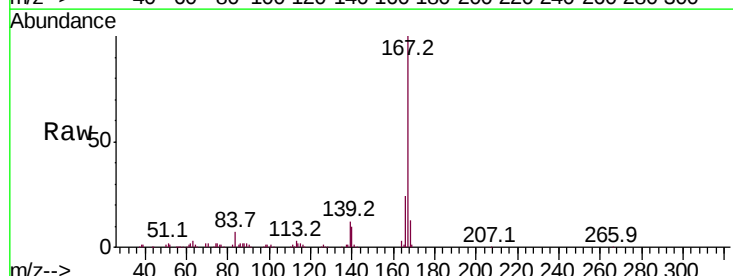
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

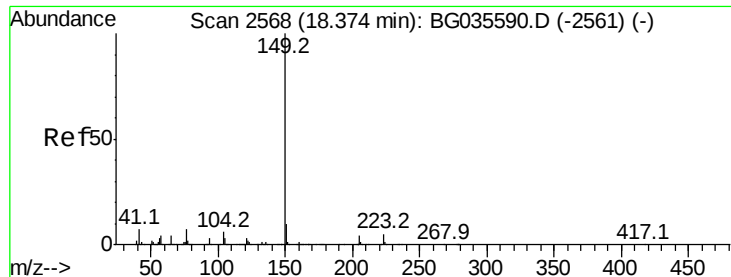
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.0	24.0
179	16.6	12.5	18.7



#72
 Carbazole
 Concen: 19.751 ng
 RT: 17.80 min Scan# 2470
 Delta R.T. 0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.8	18.2	27.4
139	12.4	9.4	14.2





#73

Di-n-butylphthalate

Concen: 18.658 ng

RT: 18.35 min Scan# 2563

Delta R.T. -0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

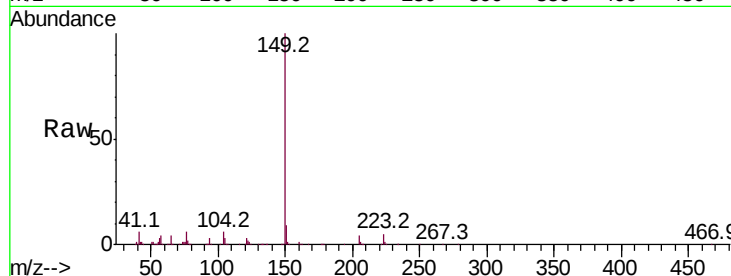
Tot Ion:149 Resp: 279579

Ion Ratio Lower Upper

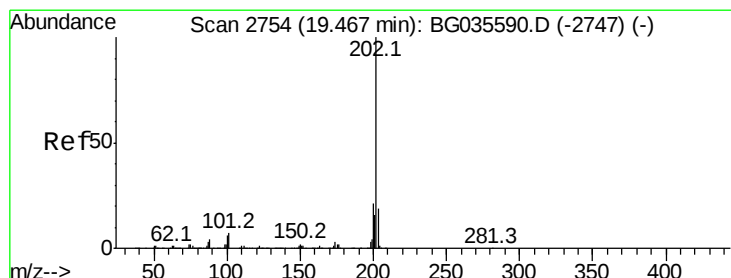
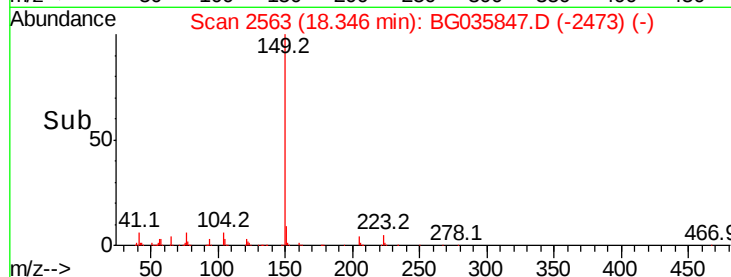
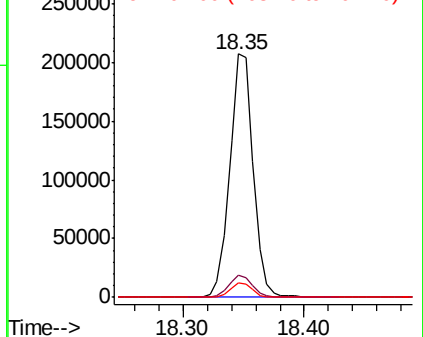
149 100

150 9.1 7.8 11.6

104 6.0 3.9 5.9#



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: 19.945 ng

RT: 19.44 min Scan# 2750

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

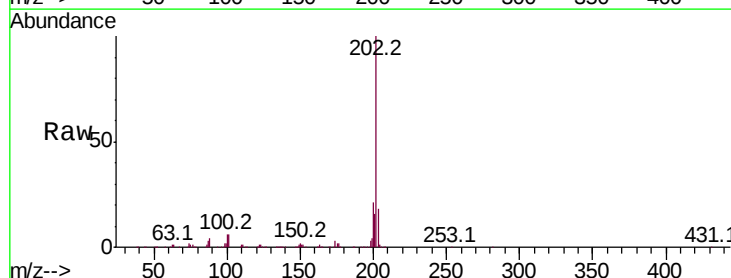
Tgt Ion:202 Resp: 360253

Ion Ratio Lower Upper

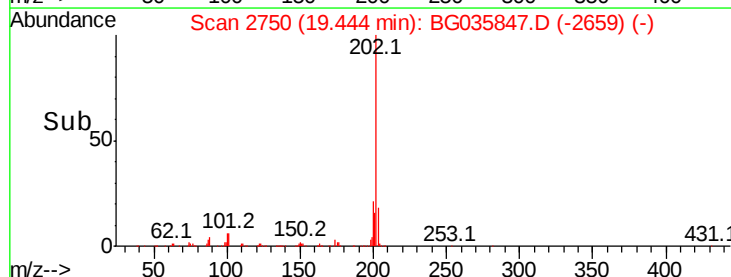
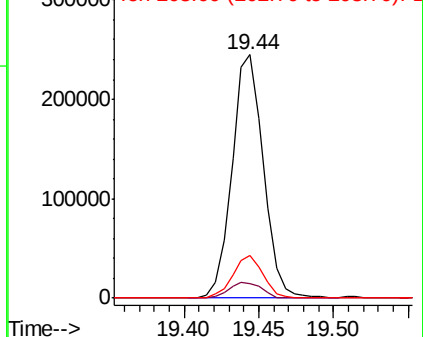
202 100

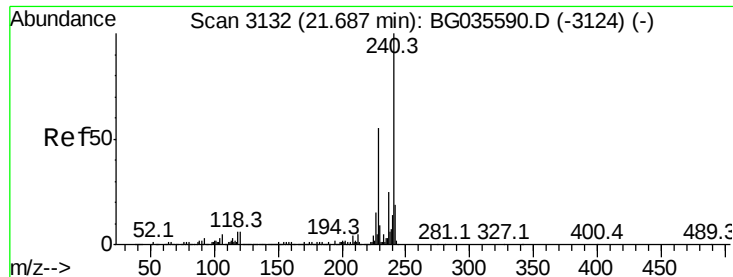
101 6.0 0.0 28.9

203 17.6 0.0 37.5



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

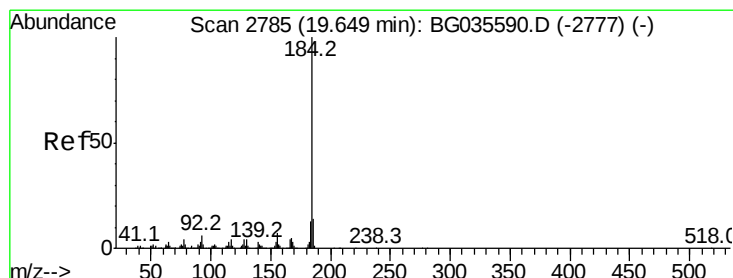
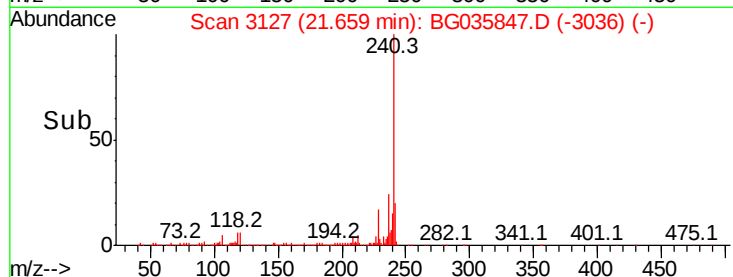
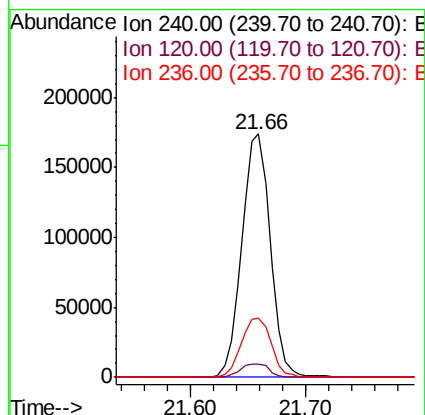
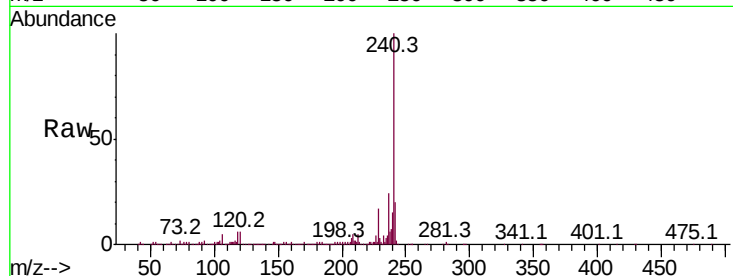




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3127
Delta R.T. 0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

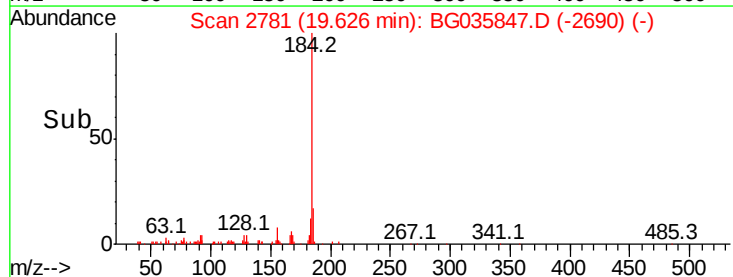
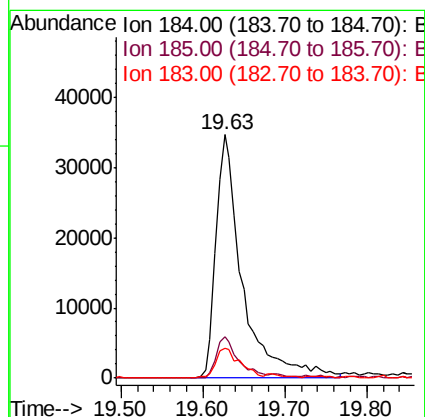
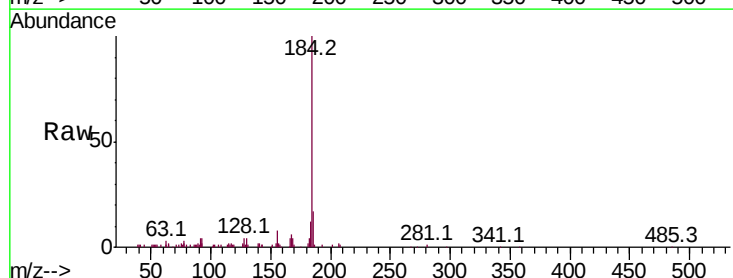
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2018

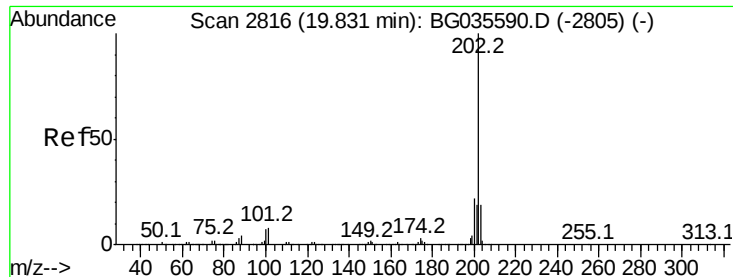
Tot Ion:240 Resp: 297295
Ion Ratio Lower Upper
240 100
120 5.6 6.8 10.2#
236 24.5 20.9 31.3



#76
Benzidine
Concen: 10.022 ng
RT: 19.63 min Scan# 2781
Delta R.T. 0.00 min
Lab File: BG035847.D
Acq: 24 Jul 2018 14:44

Tgt Ion:184 Resp: 78333
Ion Ratio Lower Upper
184 100
185 16.9 11.1 16.7#
183 12.2 10.6 16.0





#77

Pvrene

Concen: 19.605 ng

RT: 19.80 min Scan# 2811

Delta R.T. -0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

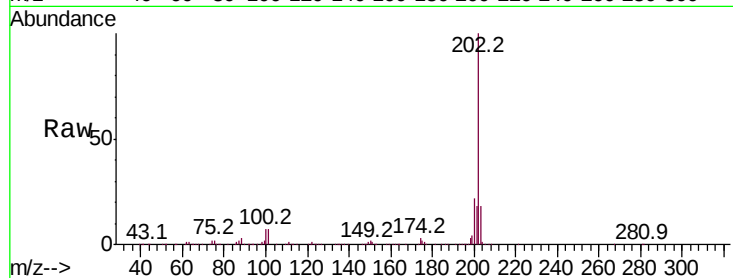
Tot Ion:202 Resp: 368534

Ion Ratio Lower Upper

202 100

200 22.1 16.9 25.3

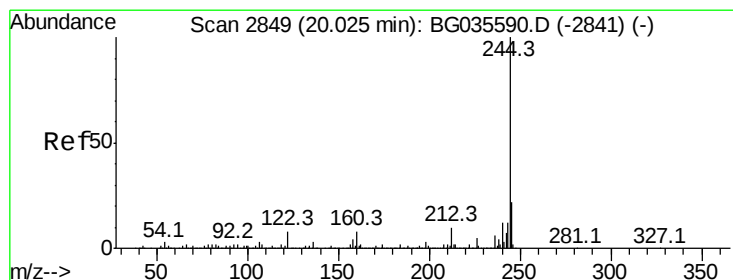
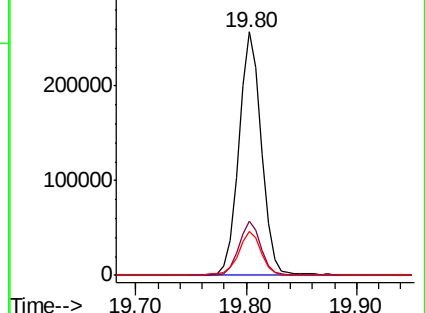
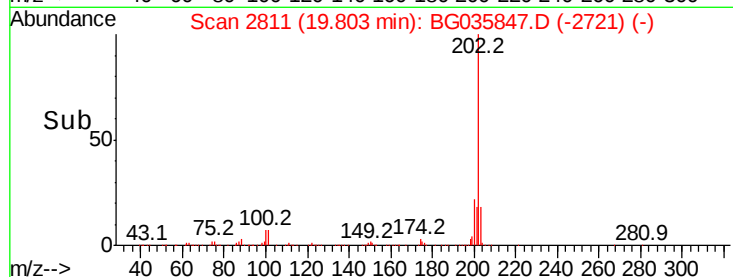
203 18.0 13.9 20.9



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



#78

Terphenyl-d14

Concen: 102.263 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

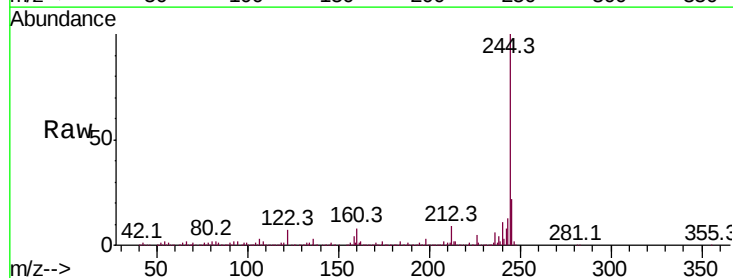
Tgt Ion:244 Resp: 1379219

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

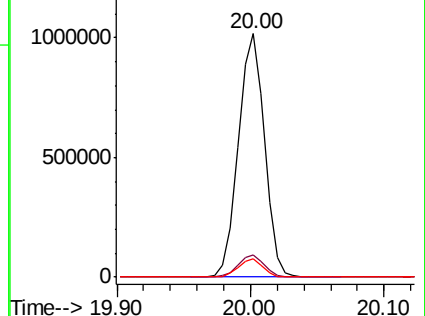
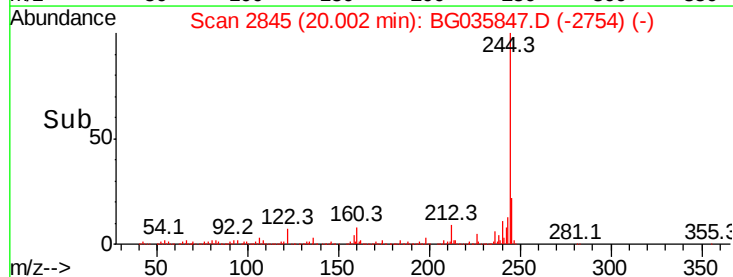
122 7.3 7.0 10.4

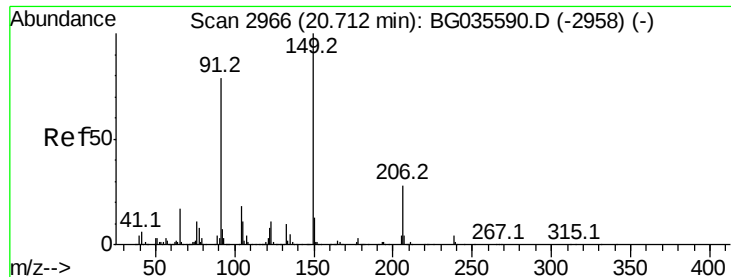


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

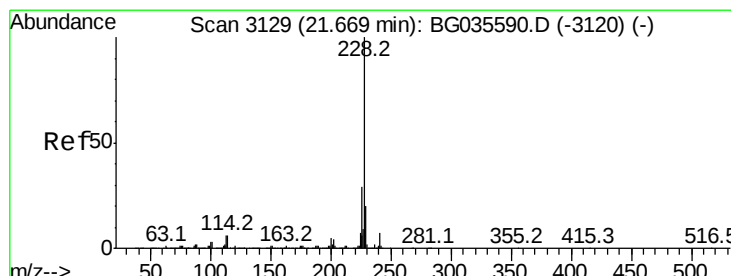
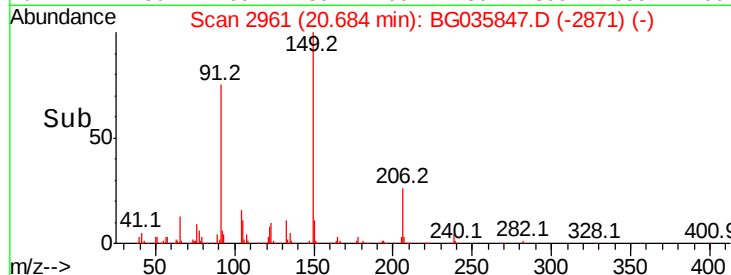
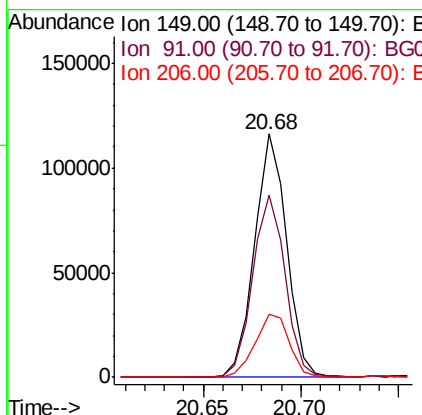
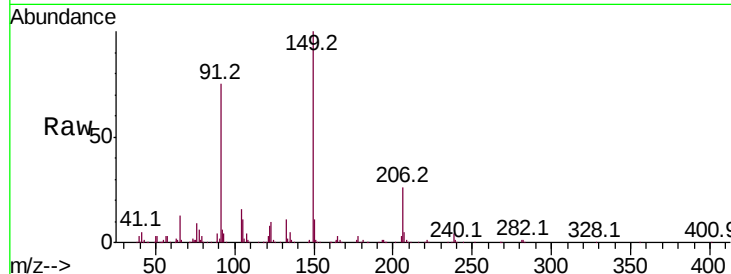




#79
 Butylbenzylphthalate
 Concen: 19.675 ng
 RT: 20.68 min Scan# 2961
 Delta R.T. -0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

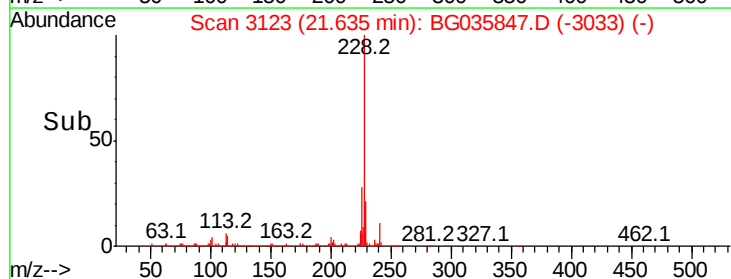
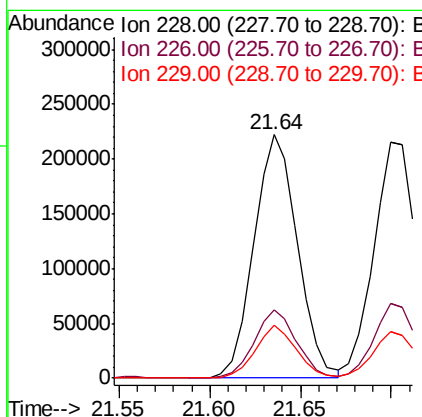
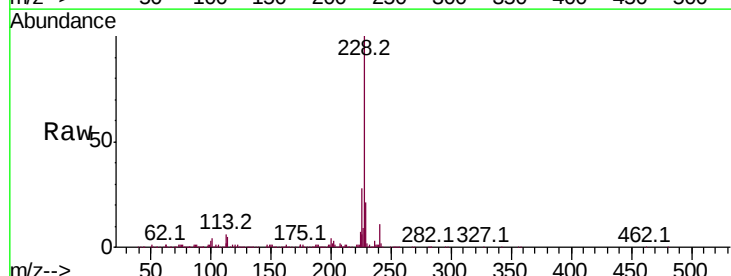
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

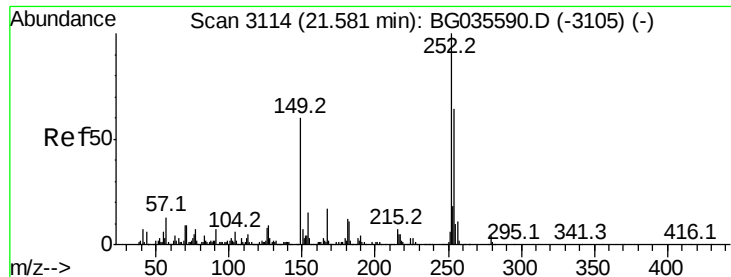
Tot Ion:149 Resp: 132262
 Ion Ratio Lower Upper
 149 100
 91 74.6 62.2 93.2
 206 26.1 18.6 27.8



#80
 Benzo(a)anthracene
 Concen: 20.091 ng
 RT: 21.64 min Scan# 3123
 Delta R.T. -0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

Tgt Ion:228 Resp: 372220
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.7 34.1
 229 21.5 16.2 24.2

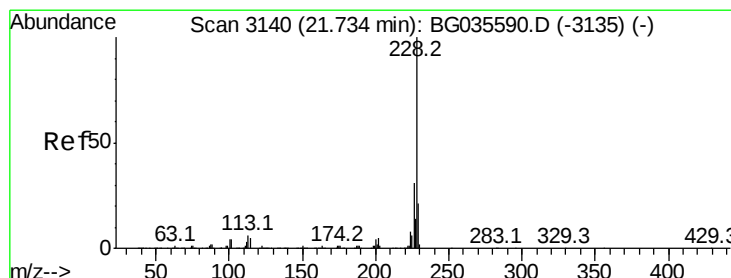
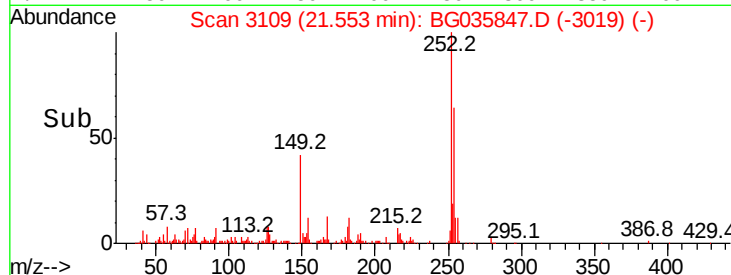
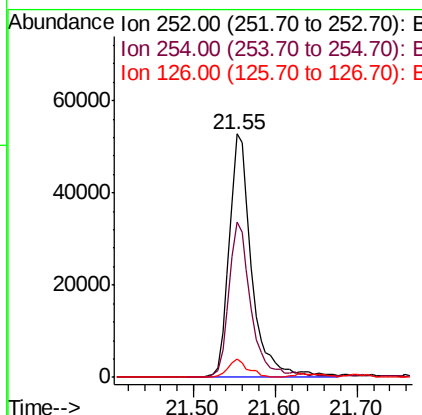
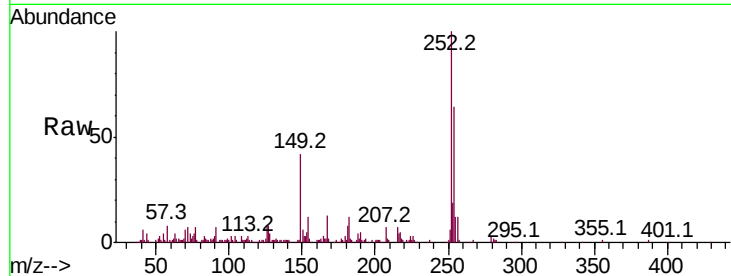




#81
 3,3'-Dichlorobenzidine
 Concen: 15.703 ng
 RT: 21.55 min Scan# 3109
 Delta R.T. -0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

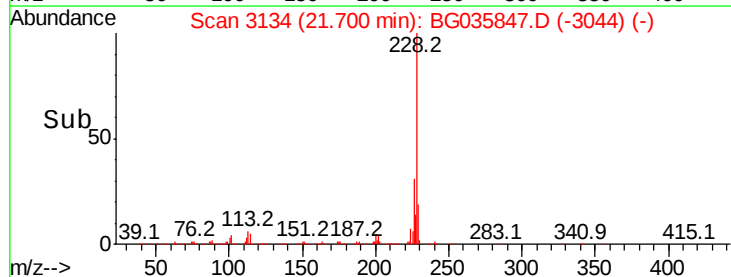
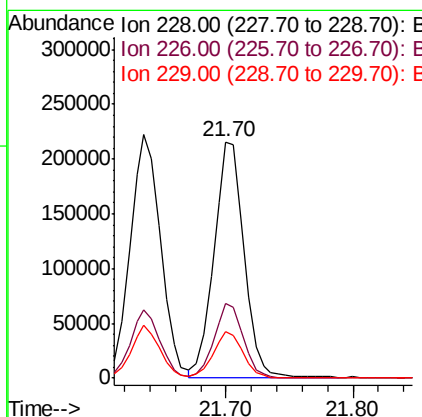
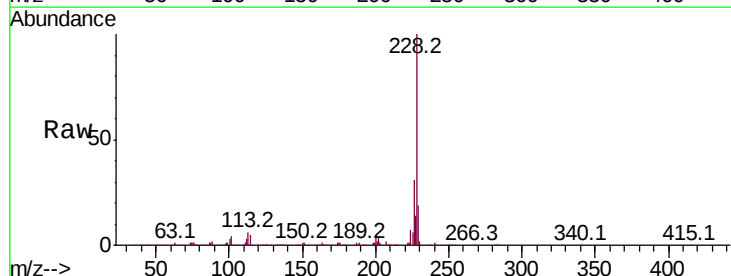
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion:252 Resp: 101441
 Ion Ratio Lower Upper
 252 100
 254 63.8 50.8 76.2
 126 7.5 7.4 11.2



#82
 Chrysene
 Concen: 20.682 ng
 RT: 21.70 min Scan# 3134
 Delta R.T. -0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

Tgt Ion:228 Resp: 355076
 Ion Ratio Lower Upper
 228 100
 226 31.5 24.9 37.3
 229 19.5 15.0 22.4

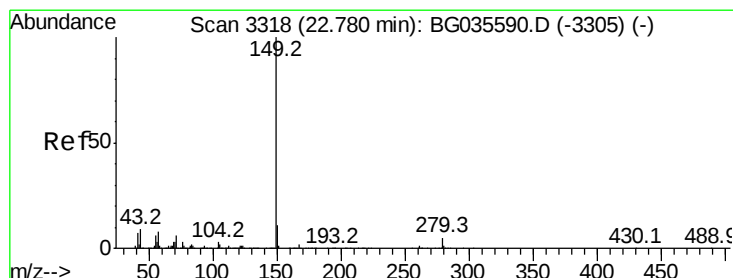
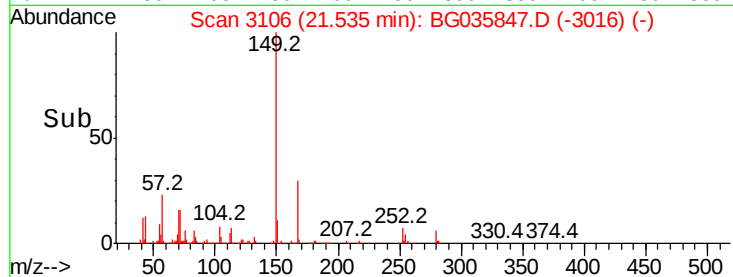
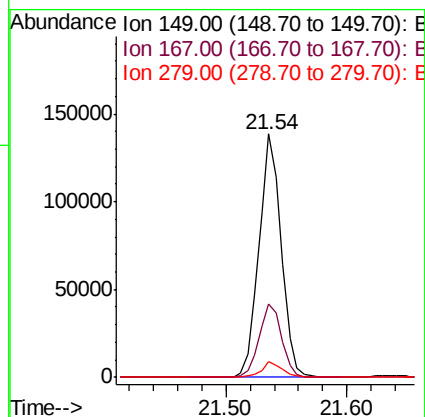
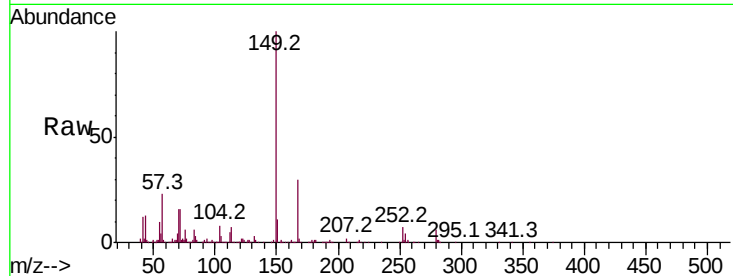




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 19.607 ng
 RT: 21.54 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

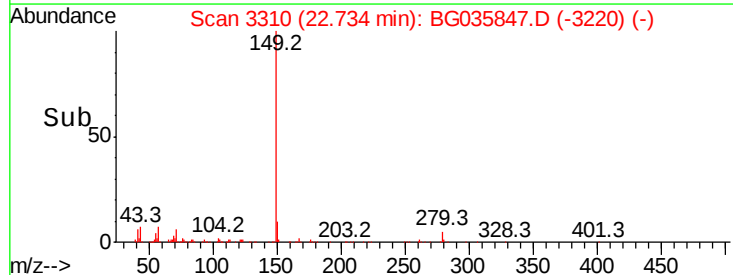
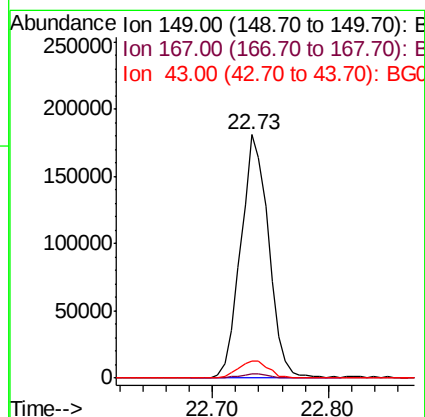
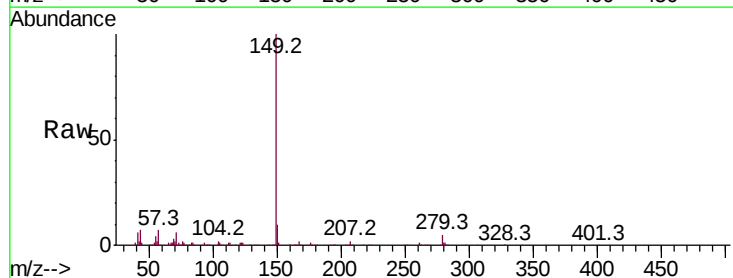
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.3	24.3	36.5
279	6.4	4.0	6.0



#84
 Di-n-octyl phthalate
 Concen: 19.809 ng
 RT: 22.73 min Scan# 3310
 Delta R.T. -0.00 min
 Lab File: BG035847.D
 Acq: 24 Jul 2018 14:44

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.0
43	7.9	8.9	13.3





#85

Indeno(1,2,3-cd)pyrene

Concen: 18.161 ng

RT: 28.48 min Scan# 4289

Delta R.T. -0.01 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

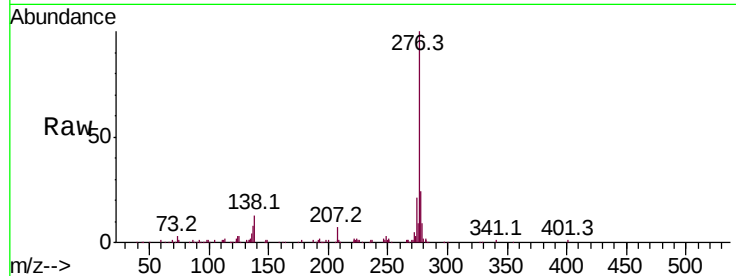
Tot Ion:276 Resp: 345191

Ion Ratio Lower Upper

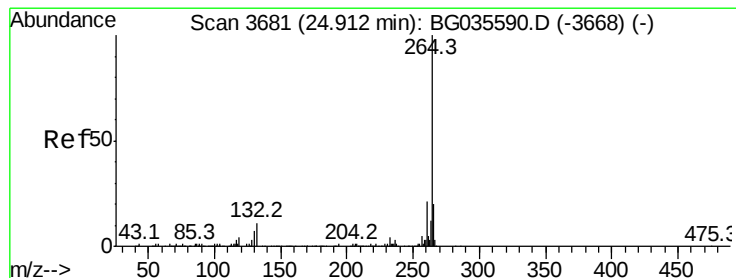
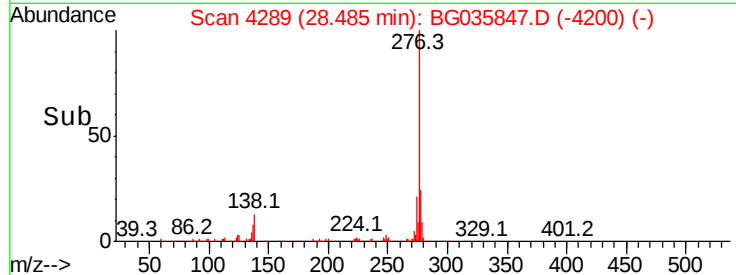
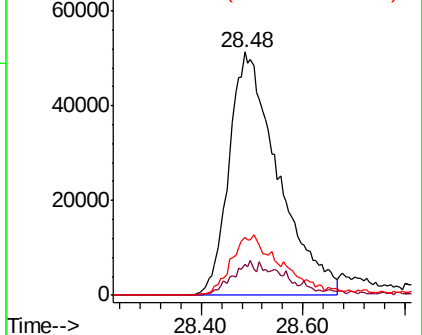
276 100

138 6.6 16.0 24.0#

277 10.2 20.0 30.0#



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: 20.000 ng

RT: 24.85 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

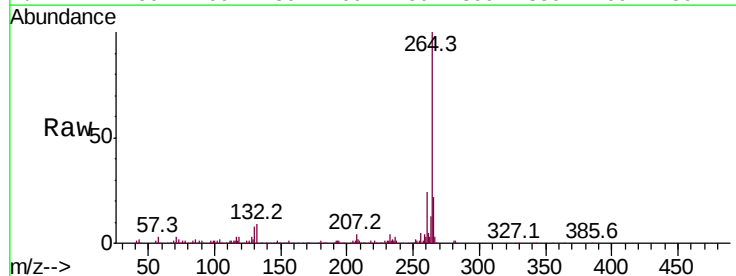
Tgt Ion:264 Resp: 281041

Ion Ratio Lower Upper

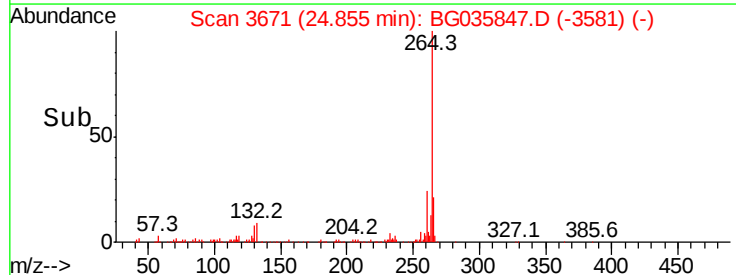
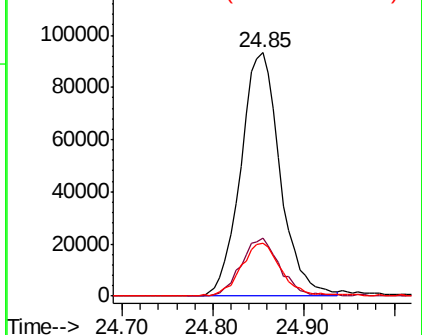
264 100

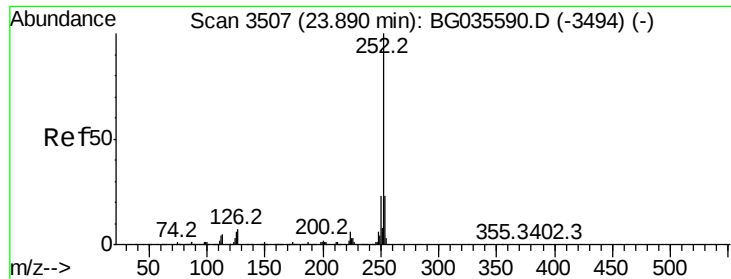
260 23.9 17.4 26.0

265 21.5 17.7 26.5



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: 19.860 ng

RT: 23.84 min Scan# 3498

Delta R.T. -0.00 min

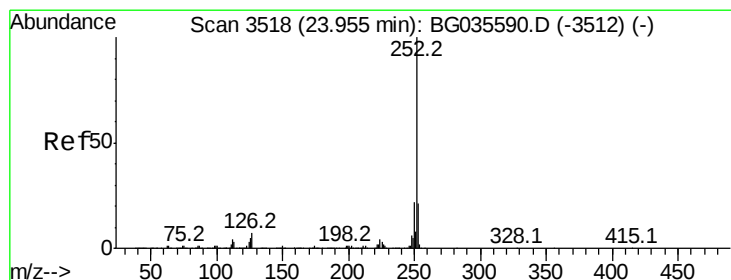
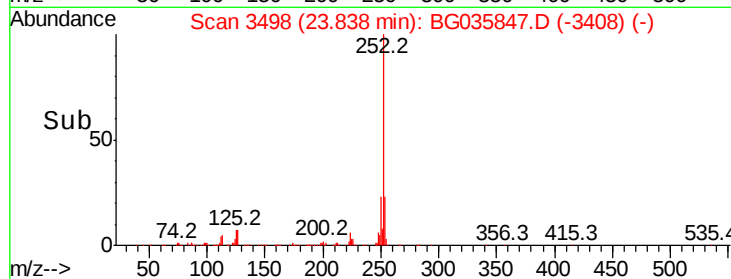
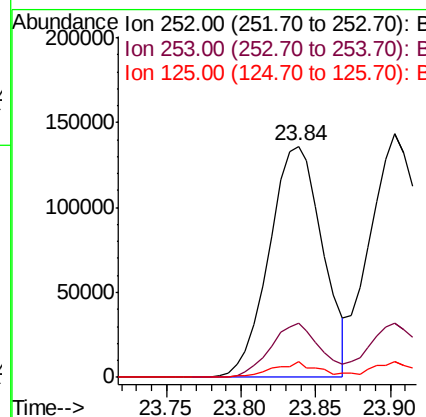
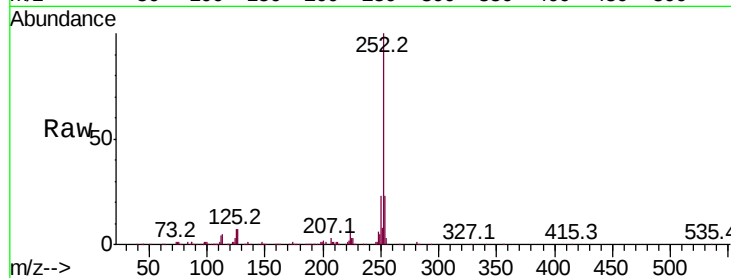
Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:252 Resp: 339234

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.4
125	6.6	7.2	10.8#



#88

Benzo(k)fluoranthene

Concen: 21.005 ng

RT: 23.90 min Scan# 3509

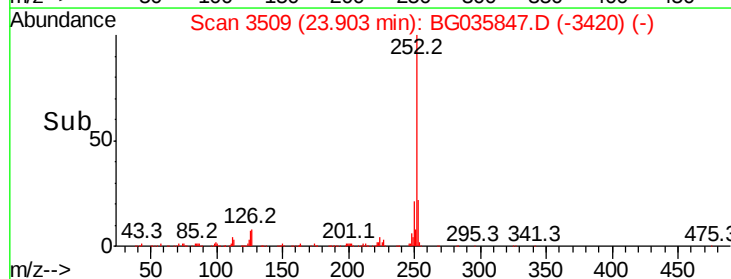
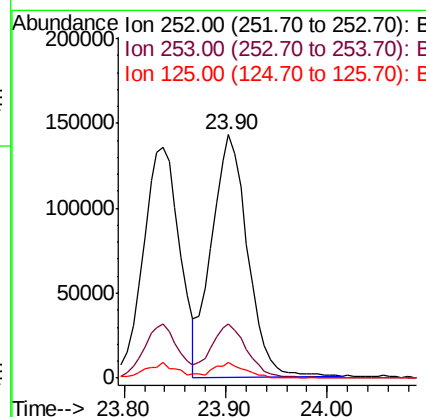
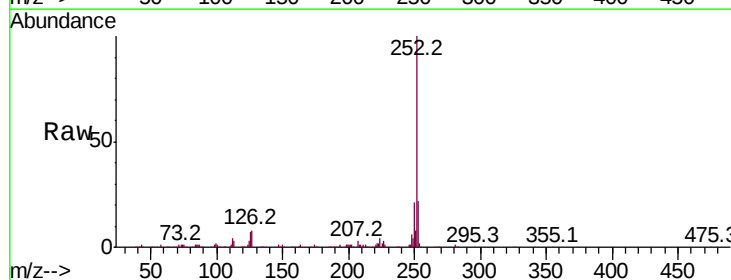
Delta R.T. -0.01 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Tgt Ion:252 Resp: 350775

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	6.6	6.6	9.8





#89

Benzo(a)pyrene

Concen: 21.245 ng

RT: 24.70 min Scan# 3645

Delta R.T. -0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

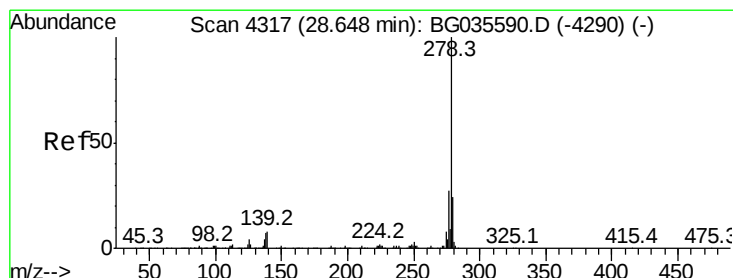
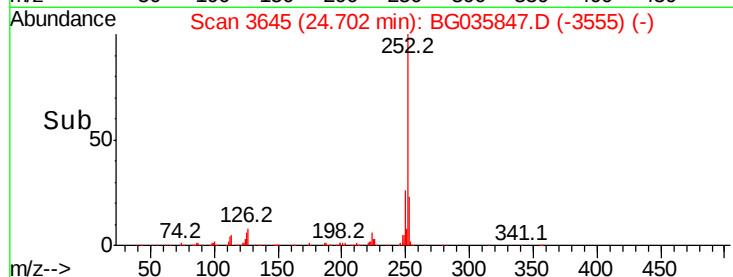
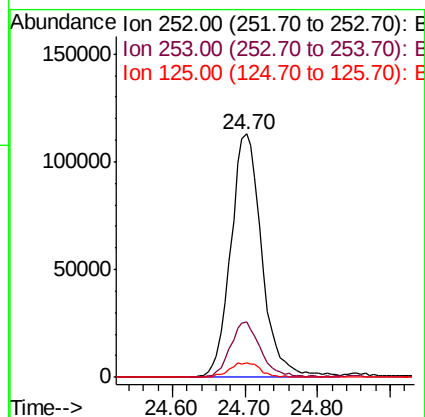
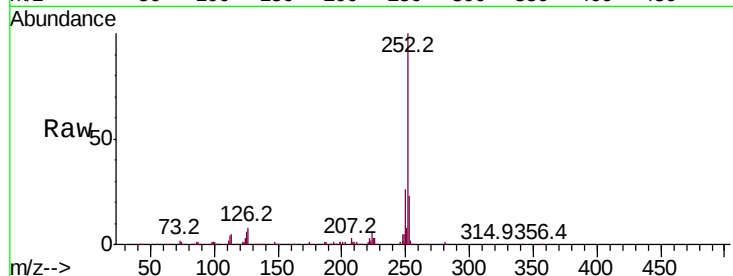
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tot Ion:252	Resp:	337608
Ion Ratio	Lower	Upper
252	100	
253	22.8	18.3 27.5
125	5.8	7.3 10.9#



#90

Dibenzo(a,h)anthracene

Concen: 18.604 ng

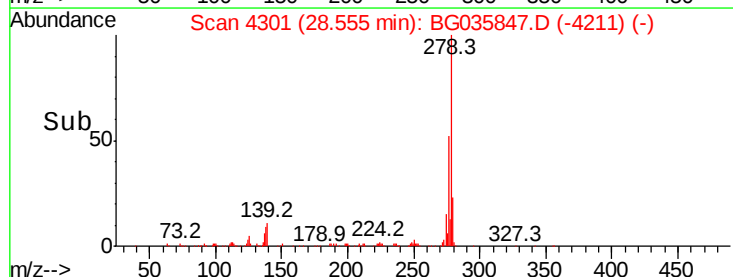
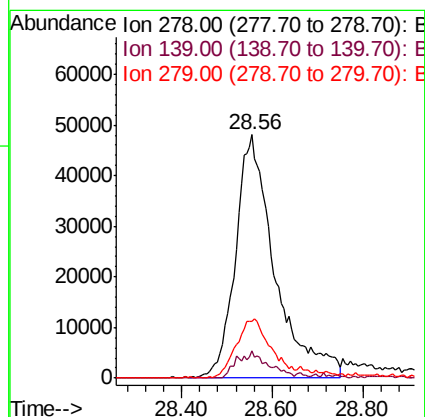
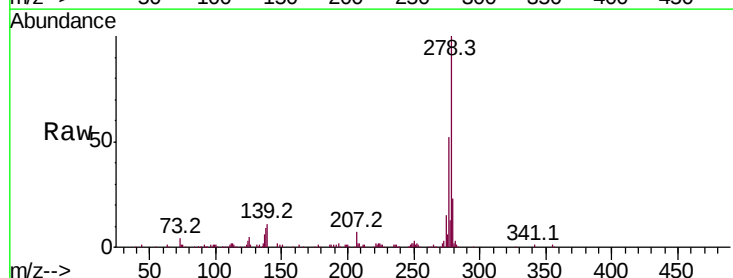
RT: 28.56 min Scan# 4301

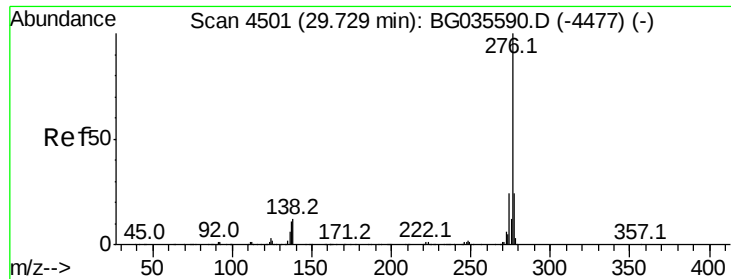
Delta R.T. -0.00 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Tgt Ion:278	Resp:	290250
Ion Ratio	Lower	Upper
278	100	
139	11.3	9.8 14.6
279	23.4	18.4 27.6





#91

Benzo(a,h,i)perylene

Concen: 18.964 ng

RT: 29.62 min Scan# 4483

Delta R.T. -0.02 min

Lab File: BG035847.D

Acq: 24 Jul 2018 14:44

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2018

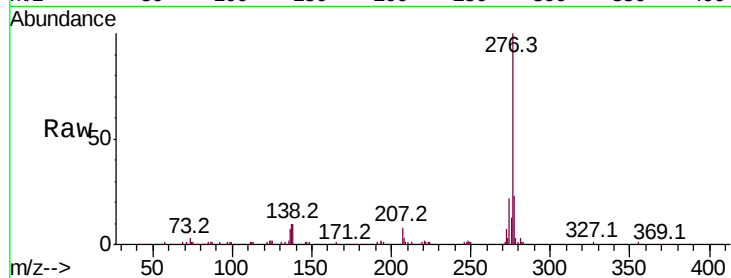
Tot Ion:276 Resp: 289513

Ion Ratio Lower Upper

276 100

277 22.7 18.3 27.5

138 10.5 13.9 20.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

