

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100418\
 Data File : BG037138.D
 Acq On : 3 Oct 2018 18:02
 Operator : JU/SJ
 Sample : J5212-05MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2MSD

Quant Time: Oct 04 04:22:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 10:41:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	53140	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	222369	20.00	ng	-0.01
38) Acenaphthene-d10	14.66	164	132022	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	315359	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	301867	20.00	ng	-0.01
86) Perylene-d12	24.87	264	308666	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	407617	147.11	ng	0.00
7) Phenol-d6	7.21	99	555591	129.60	ng	0.00
23) Nitrobenzene-d5	9.20	82	363495	87.54	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	195859	124.00	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	718749	81.08	ng	-0.01
78) Terphenyl-d14	20.02	244	1055153	91.91	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	58313	45.991	ng	97
3) Pyridine	3.92	79	157094	42.910	ng	100
4) n-Nitrosodimethylamine	3.85	42	85284	52.413	ng	# 98
6) Aniline	7.37	93	163122	29.324	ng	99
8) 2-Chlorophenol	7.61	128	162807	50.603	ng	92
9) Benzaldehyde	7.18	77	83695	29.545	ng	98
10) Phenol	7.23	94	229407	51.849	ng	96
11) bis(2-Chloroethyl)ether	7.46	93	163818	40.027	ng	99
12) 1,3-Dichlorobenzene	7.93	146	164807	41.782	ng	99
13) 1,4-Dichlorobenzene	8.08	146	168206	41.670	ng	99
14) 1,2-Dichlorobenzene	8.39	146	163204	41.722	ng	98
15) Benzyl Alcohol	8.28	79	147241	42.328	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.56	45	336352	42.807	ng	97
17) 2-Methylphenol	8.48	107	141723	45.985	ng	98
18) Hexachloroethane	9.12	117	64346	43.317	ng	95
19) n-Nitroso-di-n-propylamine	8.84	70	141834	39.770	ng	95
20) 3+4-Methylphenols	8.81	107	197109	45.973	ng	98
22) Acetophenone	8.86	105	250998	48.032	ng	98
24) Nitrobenzene	9.25	77	205290	46.294	ng	98
25) Isophorone	9.76	82	389955	51.395	ng	98
26) 2-Nitrophenol	9.95	139	91163	51.576	ng	97
27) 2,4-Dimethylphenol	10.01	122	149403	54.263	ng	97
28) bis(2-Chloroethoxy)methane	10.24	93	224999	48.058	ng	98
29) 2,4-Dichlorophenol	10.49	162	157636	49.389	ng	96
30) 1,2,4-Trichlorobenzene	10.70	180	171975	43.056	ng	97
31) Naphthalene	10.89	128	499065	47.168	ng	99
32) Benzoic acid	10.01	122	149403	68.057	ng	# 14
33) 4-Chloroaniline	11.01	127	98064	20.385	ng	98
34) Hexachlorobutadiene	11.17	225	114456	41.436	ng	97
35) Caprolactam	11.78	113	37007	28.171	ng	97
36) 4-Chloro-3-methylphenol	12.12	107	179283	47.076	ng	100
37) 2-Methylnaphthalene	12.49	142	370121	45.931	ng	98
39) 1,2,4,5-Tetrachlorobenzene	12.86	216	202468	43.970	ng	97
40) Hexachlorocyclopentadiene	12.84	237	231288	97.664	ng	99

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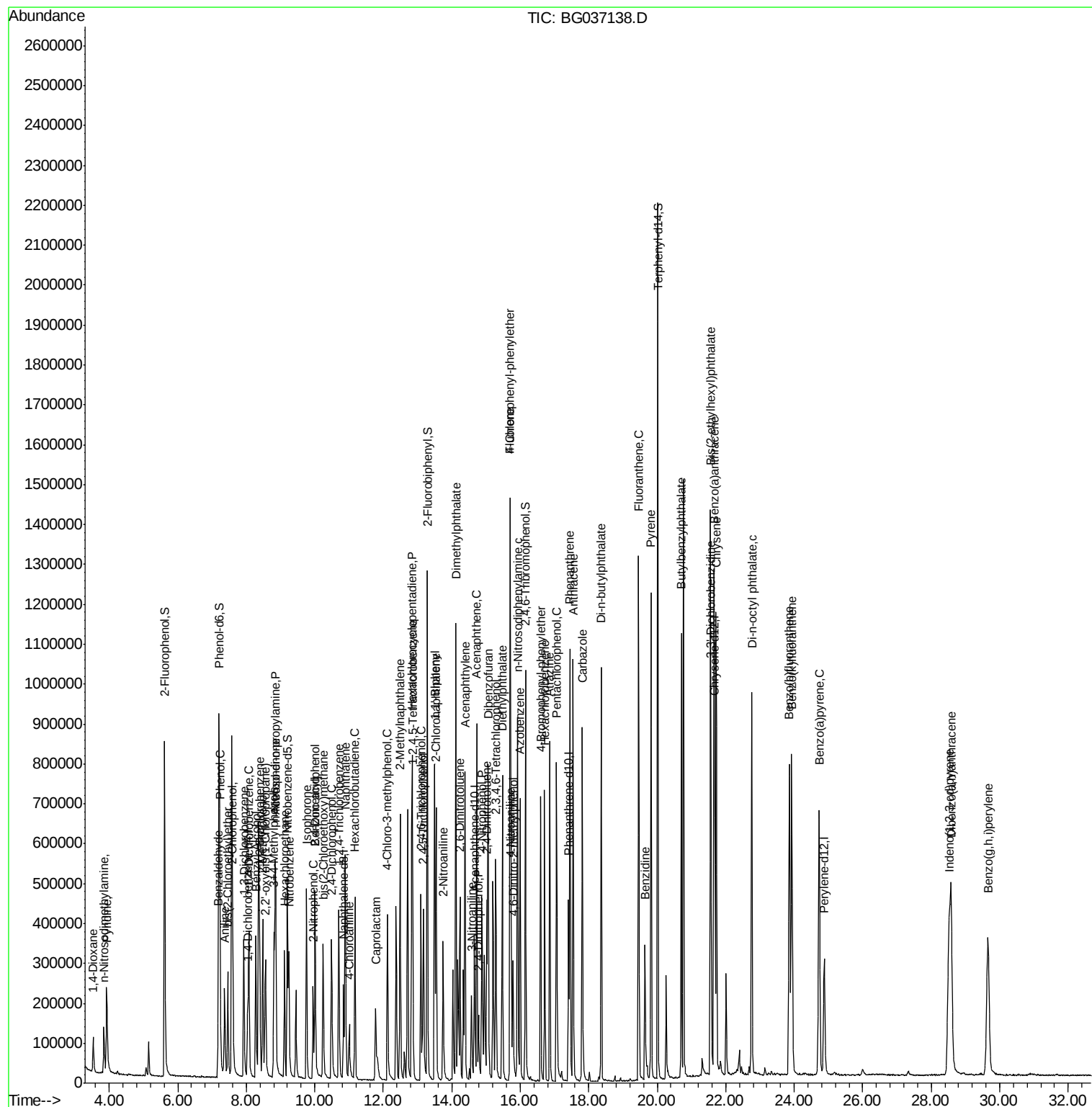
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.10	196	128326	50.186	ng	95
43) 2,4,5-Trichlorophenol	13.18	196	141351	51.842	ng	97
45) 1,1'-Biphenyl	13.50	154	467867	46.273	ng	98
46) 2-Chloronaphthalene	13.54	162	357293	44.934	ng	99
47) 2-Nitroaniline	13.75	65	132922	48.330	ng	99
48) Acenaphthylene	14.39	152	602081	48.321	ng	99
49) Dimethylphthalate	14.12	163	776725	73.091	ng	99
50) 2,6-Dinitrotoluene	14.24	165	107018	46.156	ng	95
51) Acenaphthene	14.73	154	342589	45.493	ng	100
52) 3-Nitroaniline	14.57	138	74137	30.344	ng	91
53) 2,4-Dinitrophenol	14.78	184	49489	48.839	ng	98
54) Dibenzofuran	15.06	168	559128	43.896	ng	100
55) 4-Nitrophenol	14.88	139	151660	97.166	ng	99
56) 2,4-Dinitrotoluene	15.03	165	150496	46.516	ng	93
57) Fluorene	15.71	166	447639	47.018	ng	97
58) 2,3,4,6-Tetrachlorophenol	15.29	232	139485	50.430	ng	96
59) Diethylphthalate	15.48	149	465940	43.471	ng	99
60) 4-Chlorophenyl-phenylether	15.70	204	244726	40.589	ng	99
61) 4-Nitroaniline	15.74	138	113507	44.167	ng	93
62) Azobenzene	16.00	77	471433	45.776	ng	98
64) 4,6-Dinitro-2-methylphenol	15.79	198	76894	46.638	ng	97
65) n-Nitrosodiphenylamine	15.92	169	403906	46.393	ng	98
66) 4-Bromophenyl-phenylether	16.60	248	154668	43.119	ng	98
67) Hexachlorobenzene	16.71	284	158298	42.848	ng	99
68) Atrazine	16.86	200	167535	47.525	ng	99
69) Pentachlorophenol	17.06	266	175195	75.320	ng	97
70) Phenanthrene	17.45	178	722251	47.526	ng	98
71) Anthracene	17.54	178	742317	49.399	ng	100
72) Carbazole	17.81	167	666557	45.495	ng	99
73) Di-n-butylphthalate	18.36	149	755528	46.435	ng	100
74) Fluoranthene	19.46	202	857113	46.855	ng	99
76) Benzidine	19.64	184	270948	29.692	ng	100
77) Pyrene	19.82	202	841932	46.478	ng	98
79) Butylbenzylphthalate	20.70	149	353723	48.990	ng	95
80) Benzo(a)anthracene	21.65	228	821628	46.627	ng	99
81) 3,3'-Dichlorobenzidine	21.57	252	183896	27.417	ng	98
82) Chrysene	21.73	228	793553	46.609	ng	99
83) Bis(2-ethylhexyl)phthalate	21.55	149	490848	48.663	ng	100
84) Di-n-octyl phthalate	22.76	149	825170	49.687	ng	99
85) Indeno(1,2,3-cd)pyrene	28.52	276	908265	49.678	ng	99
87) Benzo(b)fluoranthene	23.86	252	793434	48.234	ng	97
88) Benzo(k)fluoranthene	23.93	252	798025	48.356	ng	99
89) Benzo(a)pyrene	24.73	252	783724	49.281	ng	99
90) Dibenzo(a,h)anthracene	28.58	278	731987	49.112	ng	99
91) Benzo(g,h,i)perylene	29.66	276	749124	50.081	ng	99

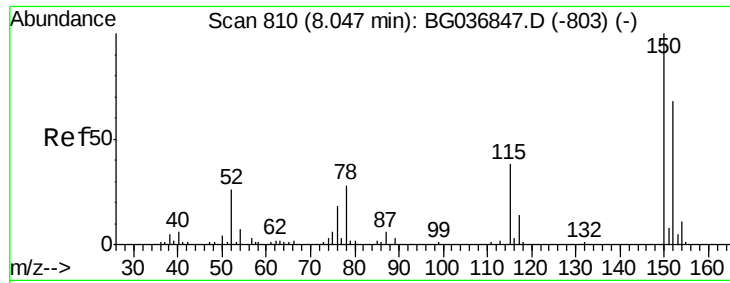
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 809

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD

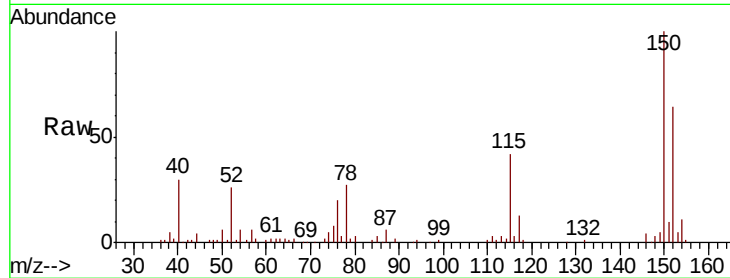
Tgt Ion:152 Resp: 53140

Ion Ratio Lower Upper

152 100

150 155.4 119.5 179.3

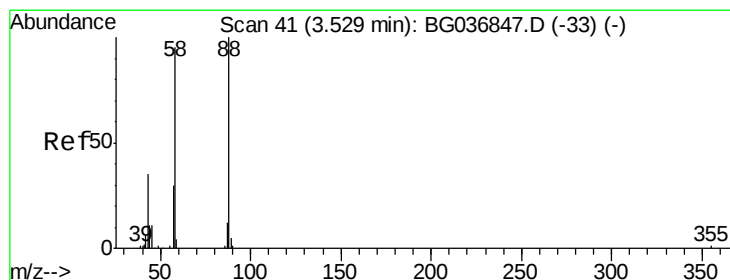
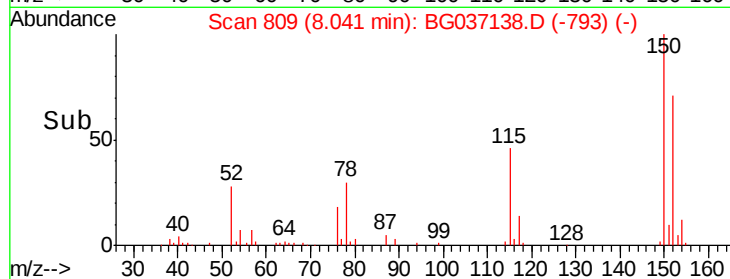
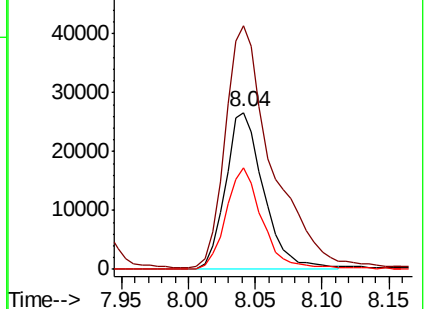
115 64.5 44.5 66.7



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: 45.991 ng

RT: 3.53 min Scan# 41

Delta R.T. 0.00 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

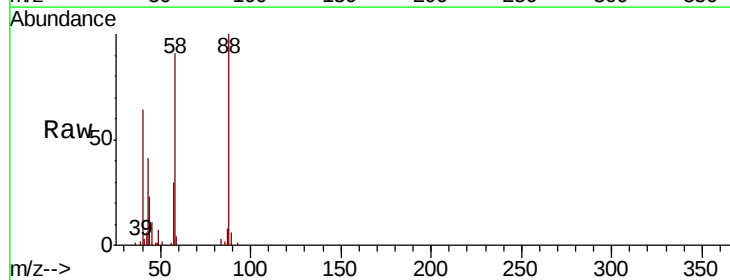
Tgt Ion: 88 Resp: 58313

Ion Ratio Lower Upper

88 100

58 88.8 72.6 109.0

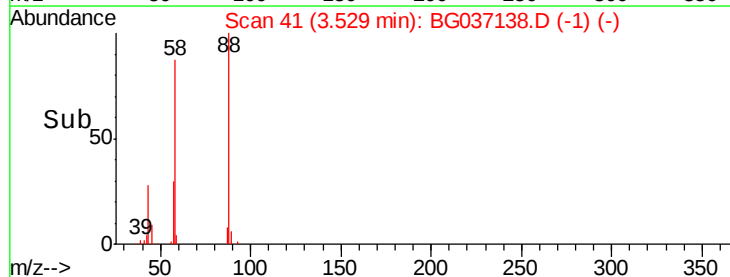
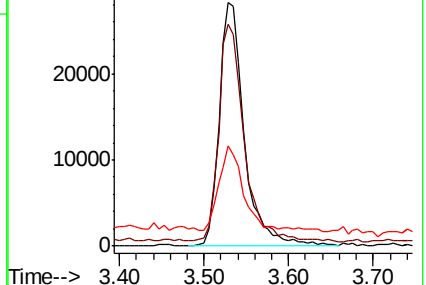
43 32.3 29.0 43.4

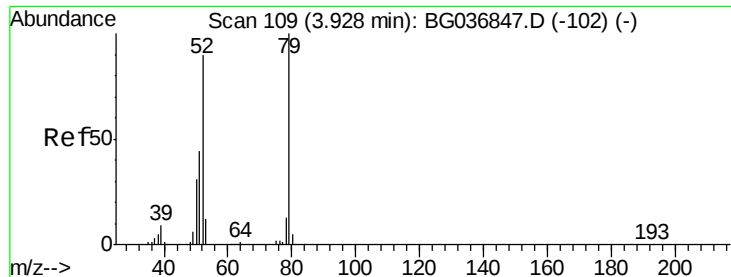


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 42.910 ng

RT: 3.92 min Scan# 108

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

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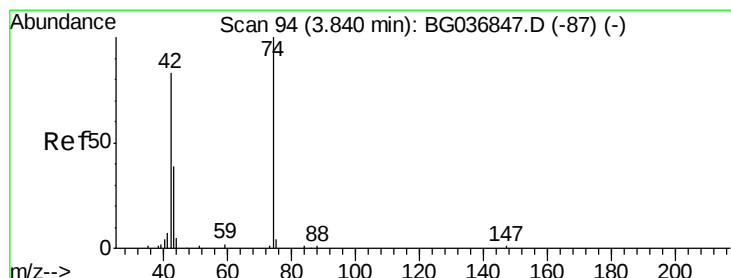
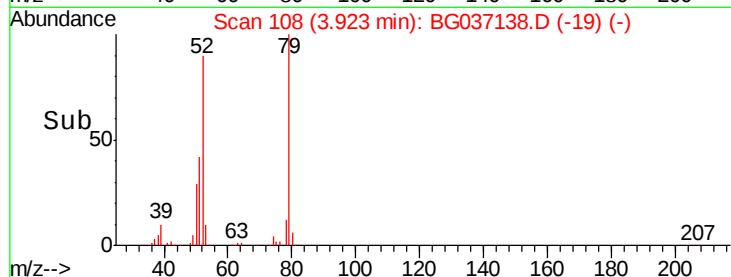
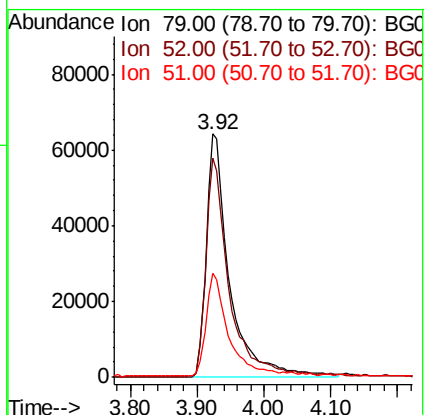
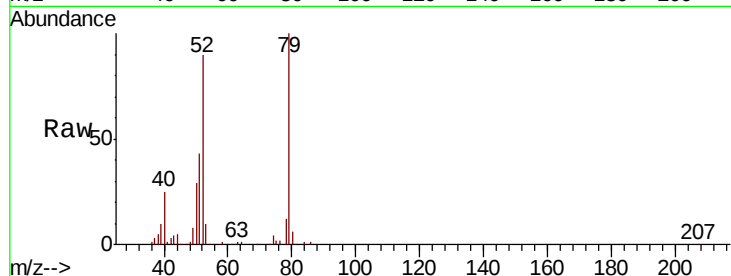
Tgt Ion: 79 Resp: 157094

Ion Ratio Lower Upper

79 100

52 90.2 72.3 108.5

51 42.6 33.8 50.6



#4

n-Nitrosodimethylamine

Concen: 52.413 ng

RT: 3.85 min Scan# 95

Delta R.T. 0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

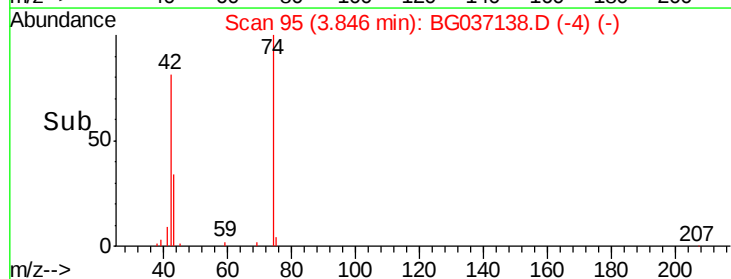
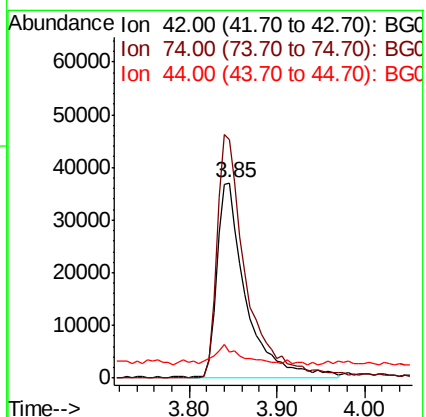
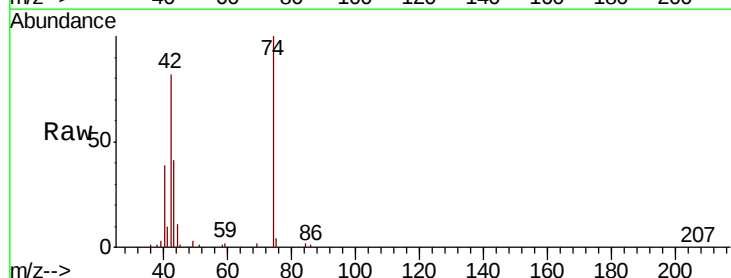
Tgt Ion: 42 Resp: 85284

Ion Ratio Lower Upper

42 100

74 122.2 96.6 145.0

44 13.4 7.0 10.4#





#5

2-Fluorophenol

Concen: 147.106 ng

RT: 5.61 min Scan# 396

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD

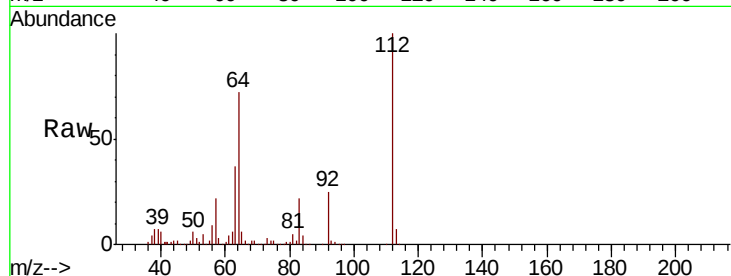
Tgt Ion:112 Resp: 407617

Ion Ratio Lower Upper

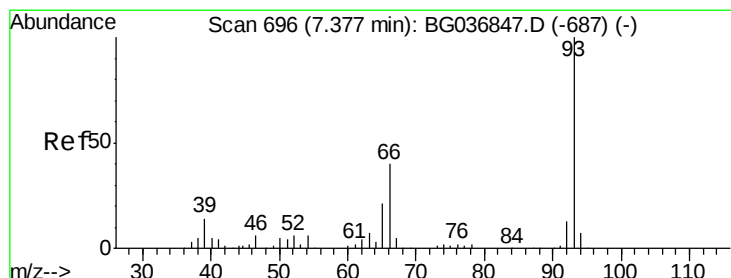
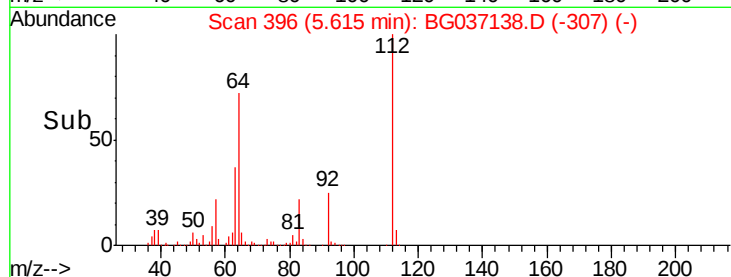
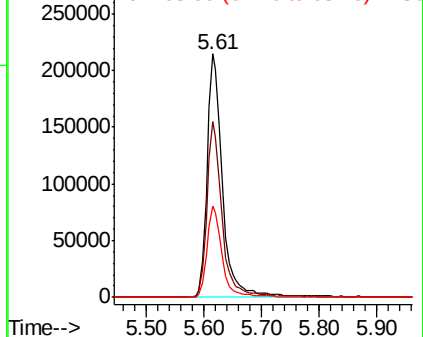
112 100

64 72.4 57.2 85.8

63 37.5 30.8 46.2



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 29.324 ng

RT: 7.37 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

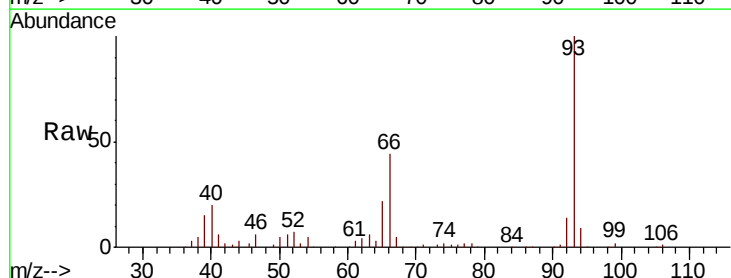
Tgt Ion: 93 Resp: 163122

Ion Ratio Lower Upper

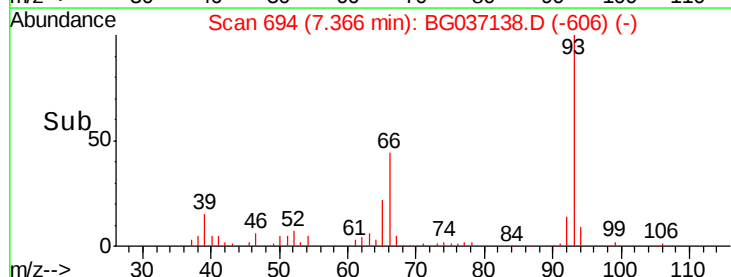
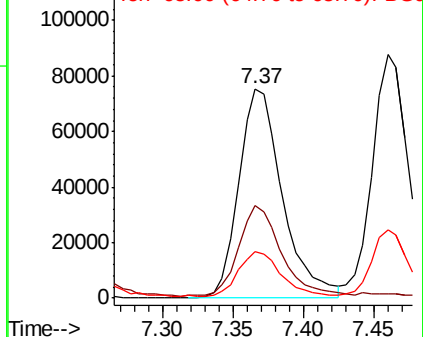
93 100

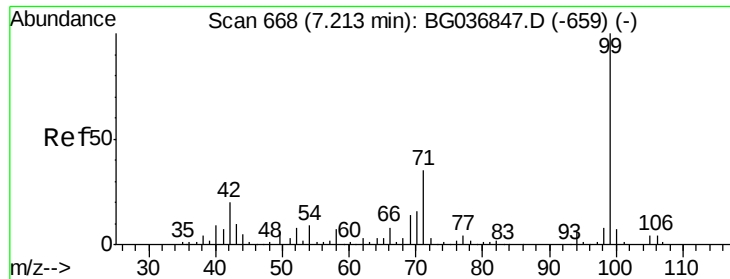
66 44.3 35.0 52.4

65 22.0 17.6 26.4



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: 129.597 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG037138.D

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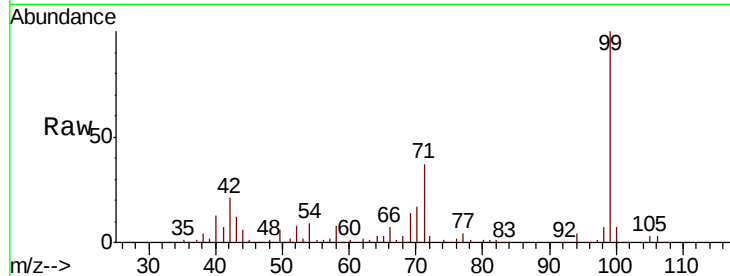
Tgt Ion: 99 Resp: 55591

Ion Ratio Lower Upper

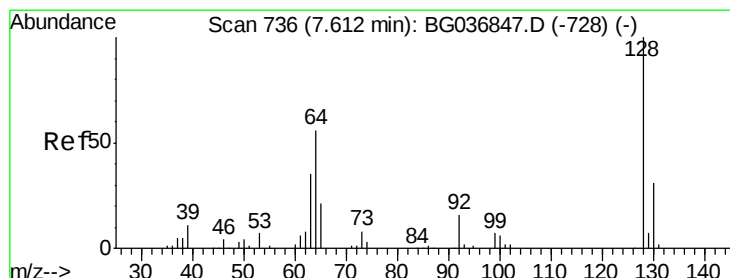
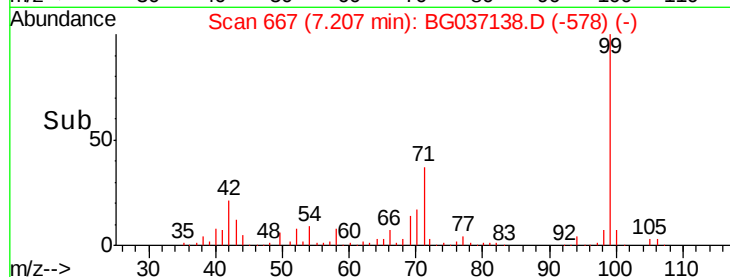
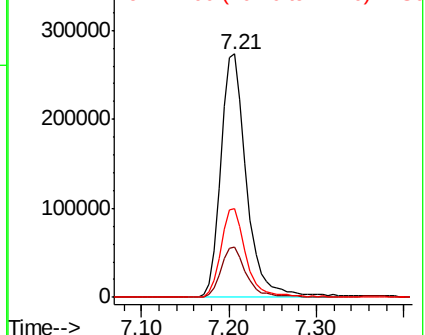
99 100

42 20.6 16.5 24.7

71 36.5 29.4 44.2



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: 50.603 ng

RT: 7.61 min Scan# 735

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

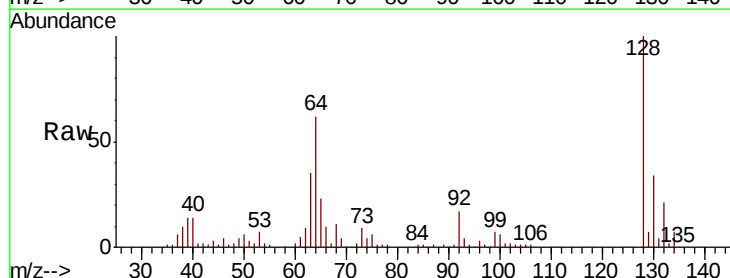
Tgt Ion: 128 Resp: 162807

Ion Ratio Lower Upper

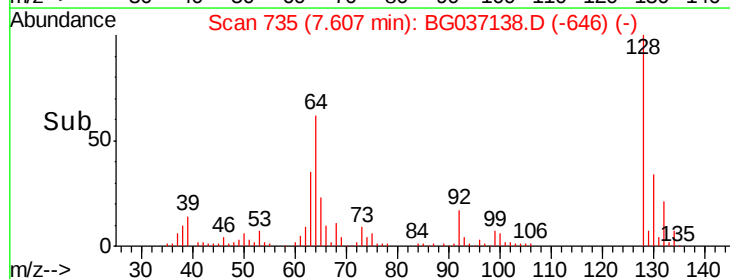
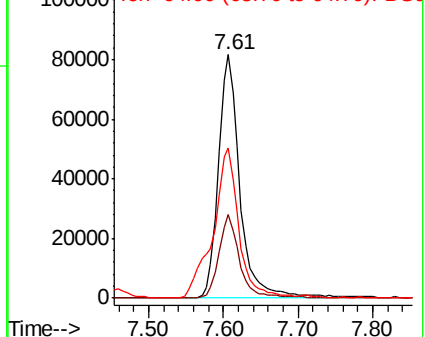
128 100

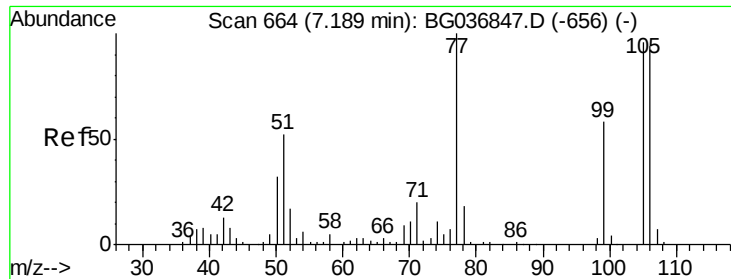
130 34.3 10.0 50.0

64 61.5 36.0 76.0



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: 29.545 ng

RT: 7.18 min Scan# 662

Delta R.T. -0.01 min

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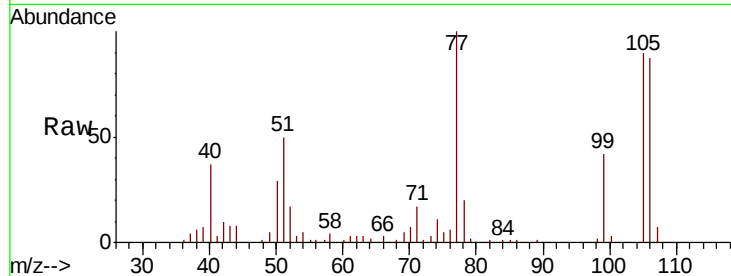
Tgt Ion: 77 Resp: 83695

Ion Ratio Lower Upper

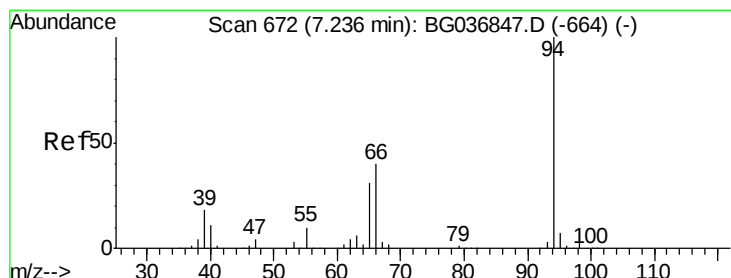
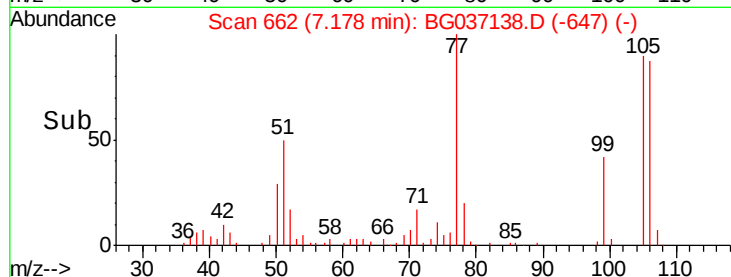
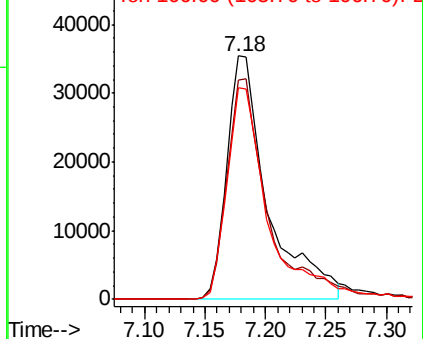
77 100

105 90.1 70.5 110.5

106 86.7 69.8 109.8



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



#10

Phenol

Concen: 51.849 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

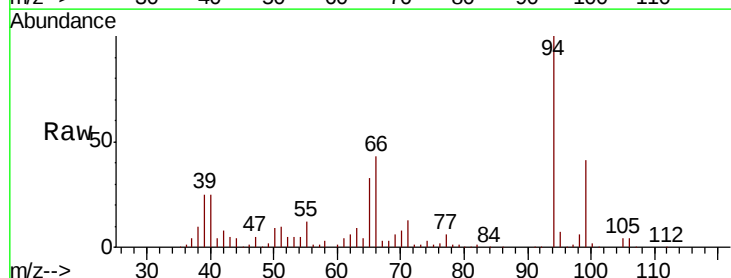
Tgt Ion: 94 Resp: 229407

Ion Ratio Lower Upper

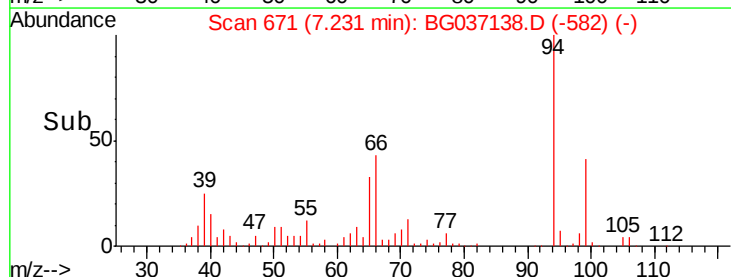
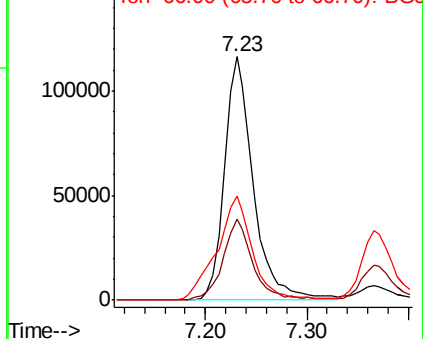
94 100

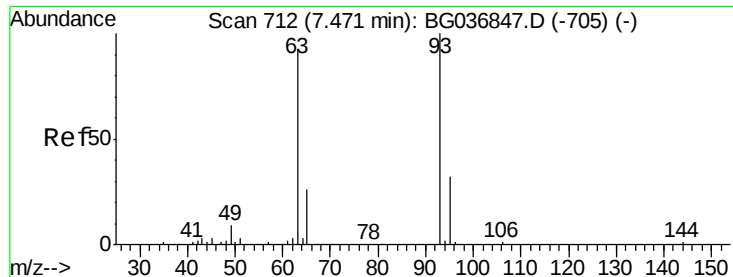
65 33.0 11.5 51.5

66 42.6 19.5 59.5



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

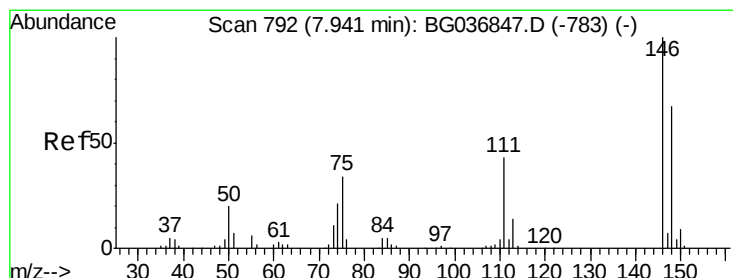
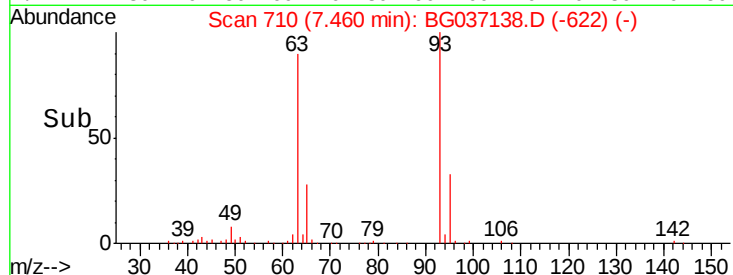
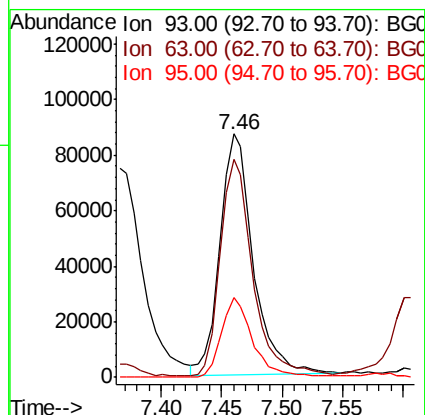
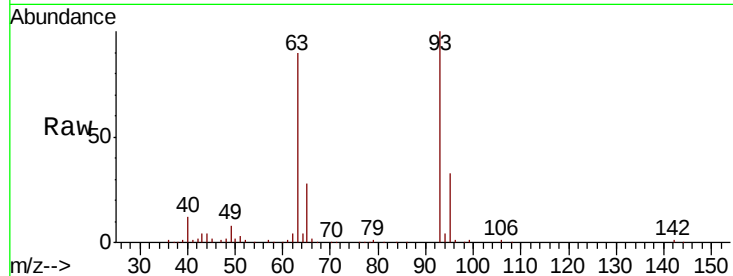




#11
bis(2-Chloroethyl)ether
Concen: 40.027 ng
RT: 7.46 min Scan# 710
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

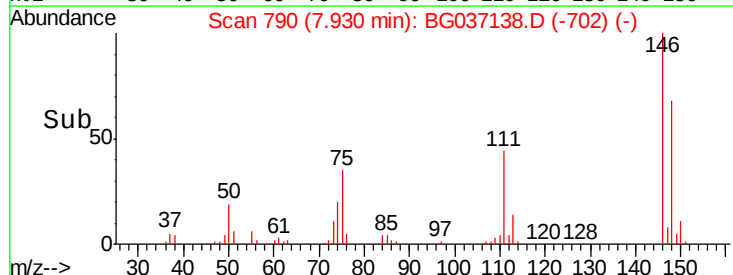
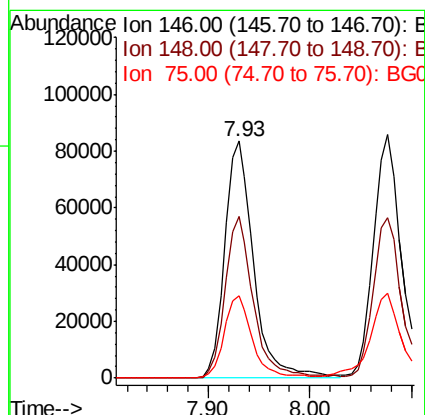
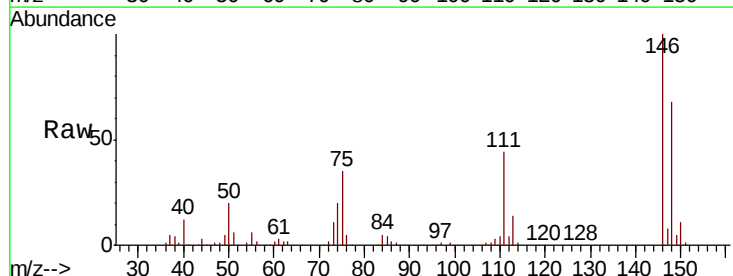
Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2MSD

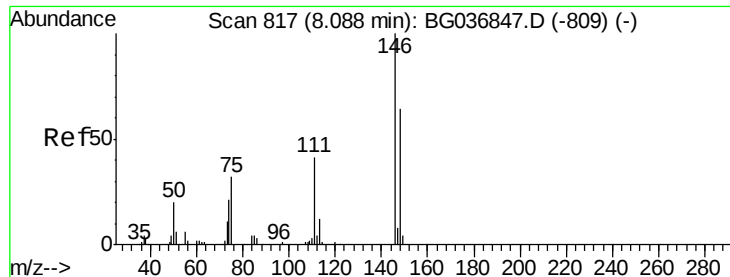
Tgt Ion: 93 Resp: 163818
Ion Ratio Lower Upper
93 100
63 89.7 69.9 109.9
95 32.8 11.7 51.7



#12
1,3-Dichlorobenzene
Concen: 41.782 ng
RT: 7.93 min Scan# 790
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

Tgt Ion: 146 Resp: 164807
Ion Ratio Lower Upper
146 100
148 68.2 53.8 80.6
75 34.8 27.2 40.8

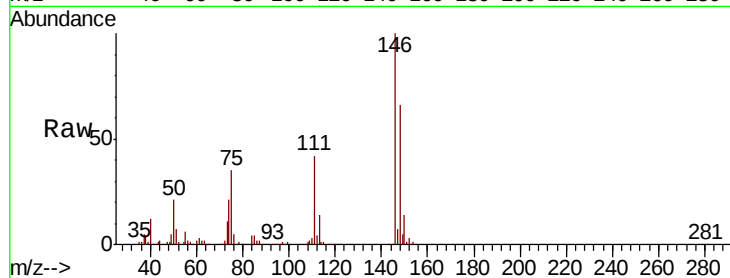




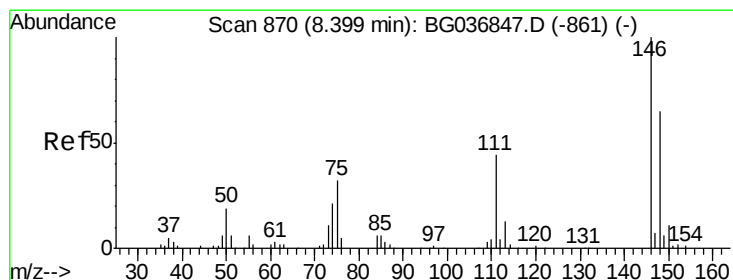
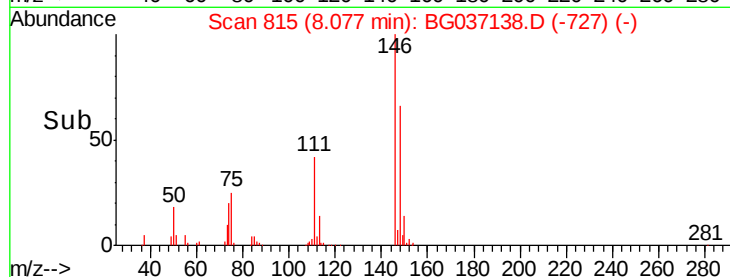
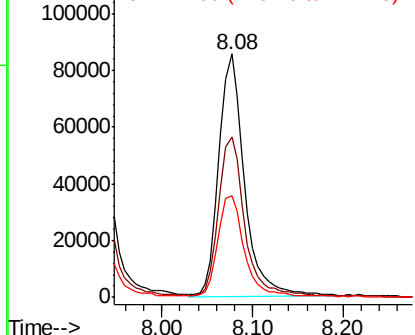
#13
 1,4-Dichlorobenzene
 Concen: 41.670 ng
 RT: 8.08 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2MSD

Tgt Ion:146 Resp: 168206
 Ion Ratio Lower Upper
 146 100
 148 66.1 53.9 80.9
 111 41.9 33.8 50.6

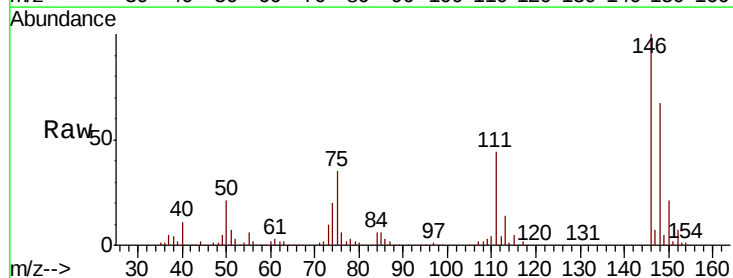


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

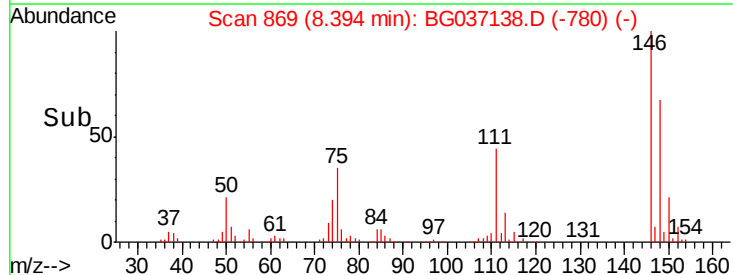
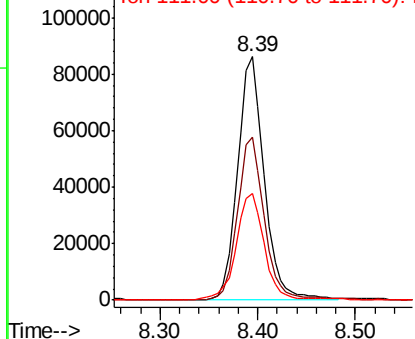


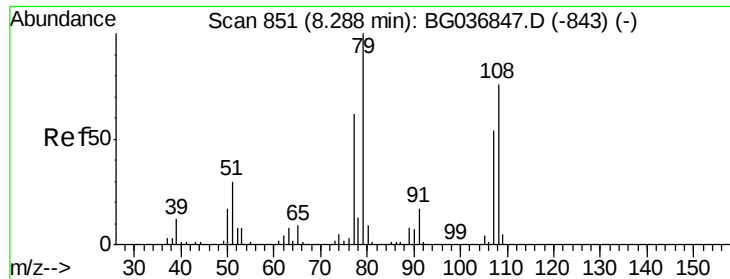
#14
 1,2-Dichlorobenzene
 Concen: 41.722 ng
 RT: 8.39 min Scan# 869
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Tgt Ion:146 Resp: 163204
 Ion Ratio Lower Upper
 146 100
 148 66.8 55.0 82.6
 111 44.0 34.6 51.8



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





#15

Benzyl Alcohol

Concen: 42.328 ng

RT: 8.28 min Scan# 849

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD

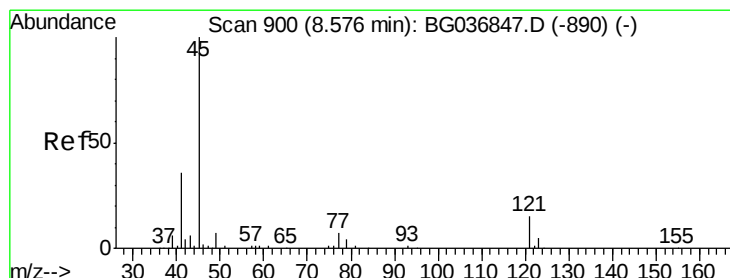
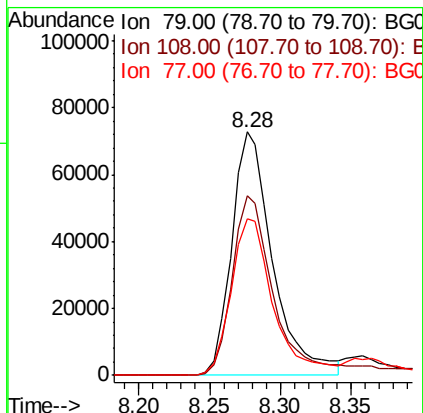
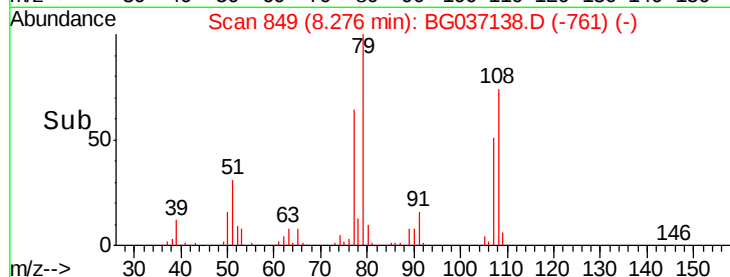
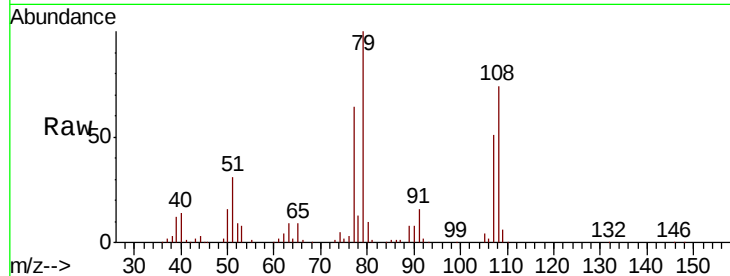
Tgt Ion: 79 Resp: 147241

Ion Ratio Lower Upper

79 100

108 74.0 55.9 83.9

77 64.4 50.0 75.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.807 ng

RT: 8.56 min Scan# 898

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

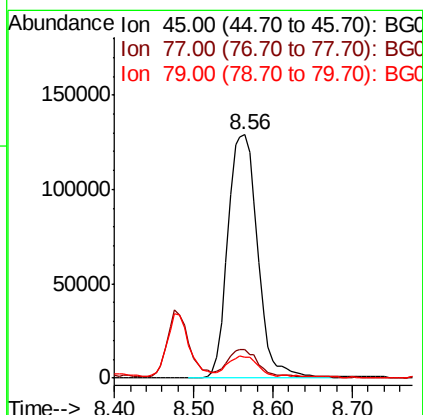
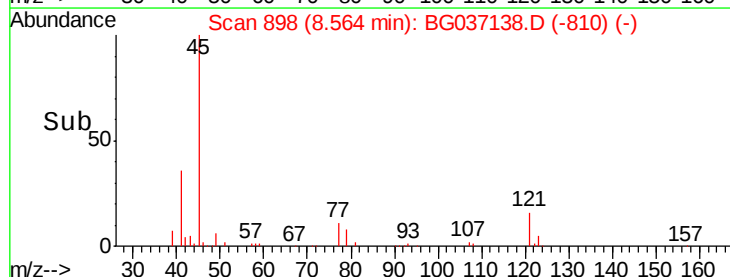
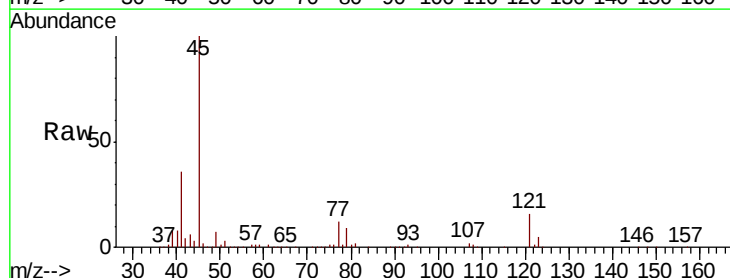
Tgt Ion: 45 Resp: 336352

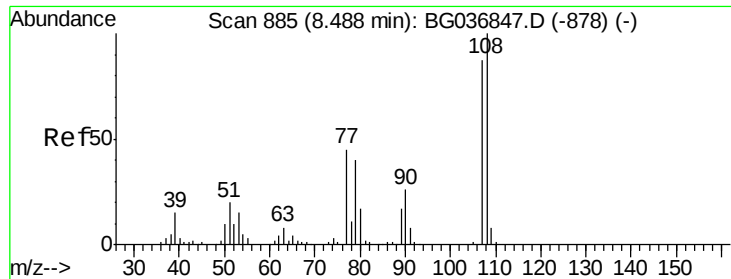
Ion Ratio Lower Upper

45 100

77 11.6 0.0 30.5

79 8.8 0.0 27.9

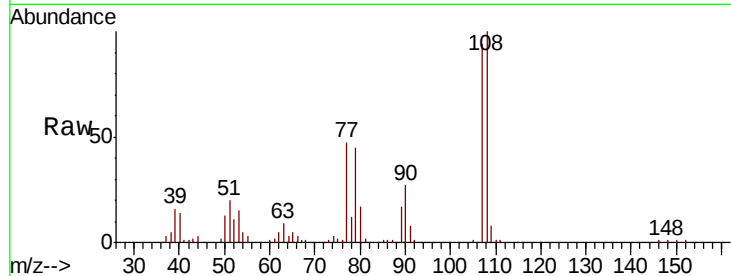




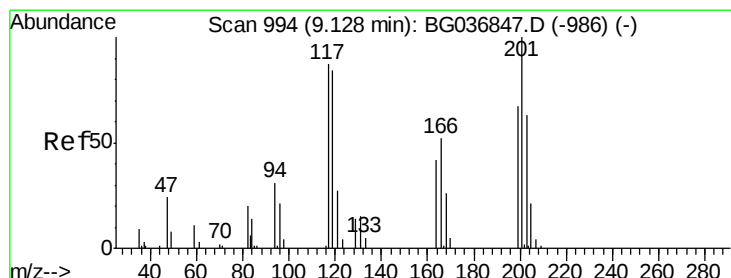
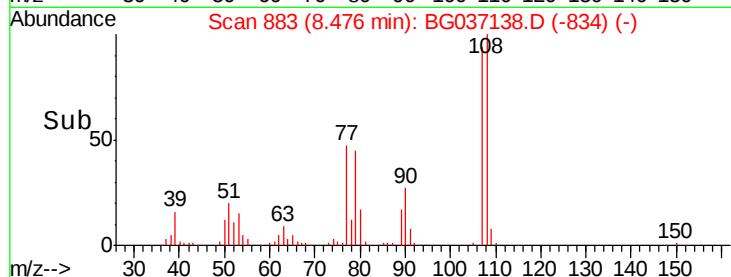
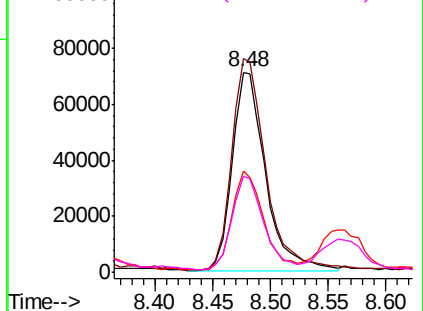
#17
2-Methylphenol
Concen: 45.985 ng
RT: 8.48 min Scan# 883
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2MSD

Tgt Ion:	107	Resp:	141723
Ion	Ratio	Lower	Upper
107	100		
108	106.9	86.7	130.1
77	50.7	39.0	58.4
79	48.2	36.6	54.8

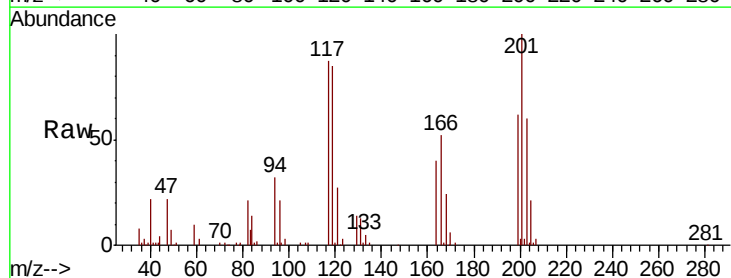


Abundance Ion 107.00 (106.70 to 107.70): E
120000
Ion 108.00 (107.70 to 108.70): E
100000
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

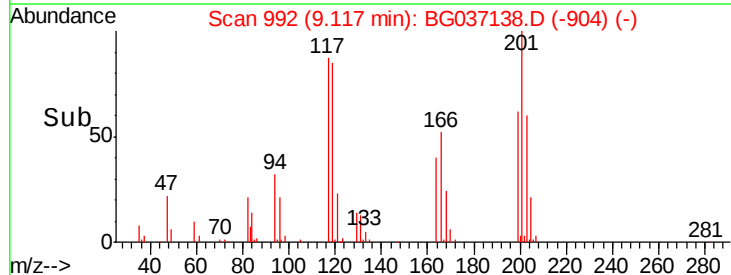
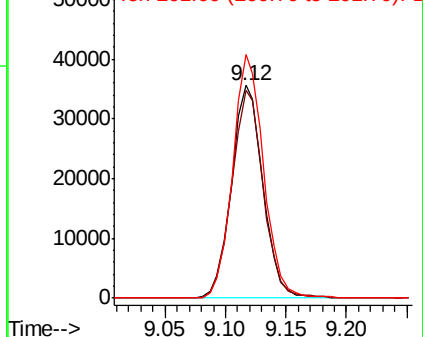


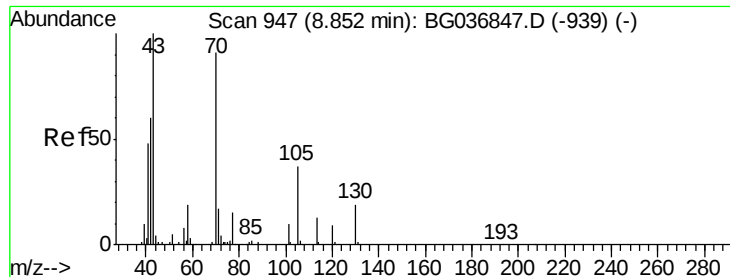
#18
Hexachloroethane
Concen: 43.317 ng
RT: 9.12 min Scan# 992
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

Tgt Ion:	117	Resp:	64346
Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.8	115.2
201	114.6	85.7	128.5



Abundance Ion 117.00 (116.70 to 117.70): E
50000
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

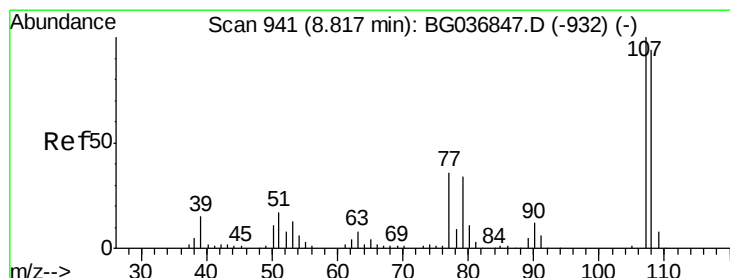
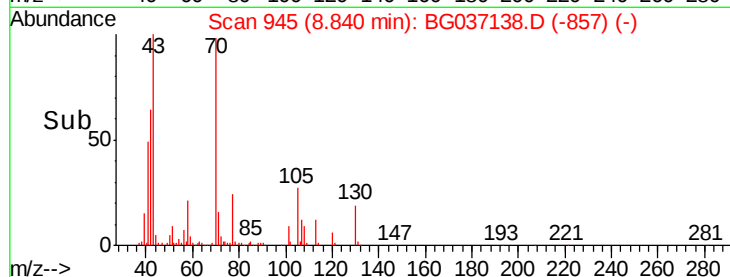
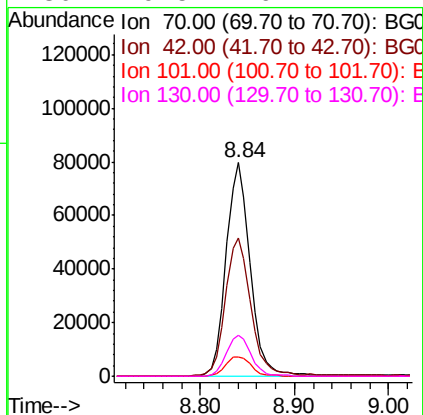
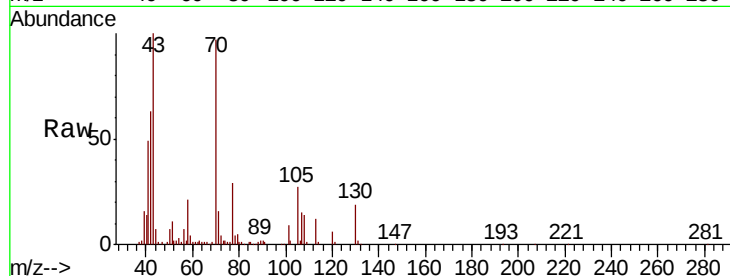




#19
n-Nitroso-di-n-propylamine
Concen: 39.770 ng
RT: 8.84 min Scan# 945
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

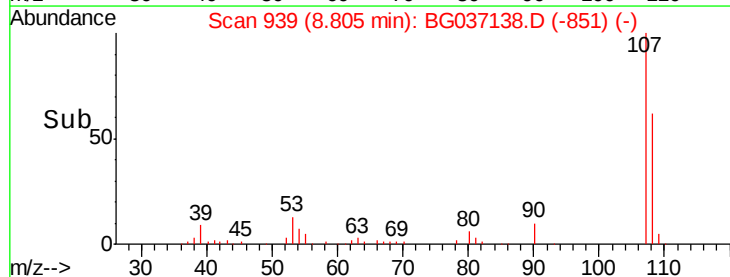
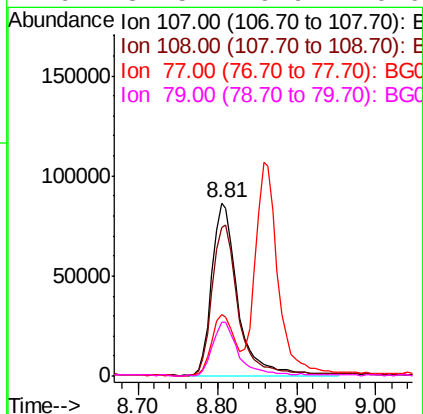
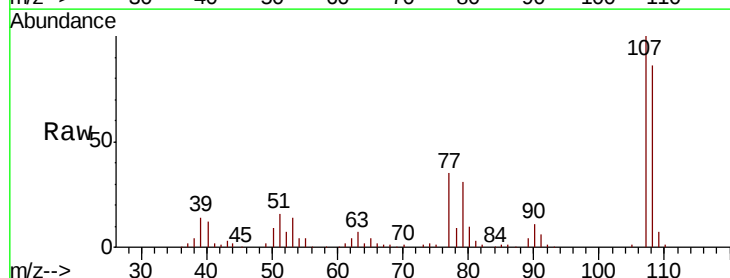
Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2MSD

Tgt Ion:	70	Resp:	141834
Ion	Ratio	Lower	Upper
70	100		
42	65.0	56.2	84.4
101	9.2	7.8	11.6
130	19.5	16.2	24.2



#20
3+4-Methylphenols
Concen: 45.973 ng
RT: 8.81 min Scan# 939
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

Tgt Ion:	107	Resp:	197109
Ion	Ratio	Lower	Upper
107	100		
108	85.7	68.0	108.0
77	35.5	15.6	55.6
79	31.5	9.9	49.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.84 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD

Tgt Ion:136 Resp: 222369

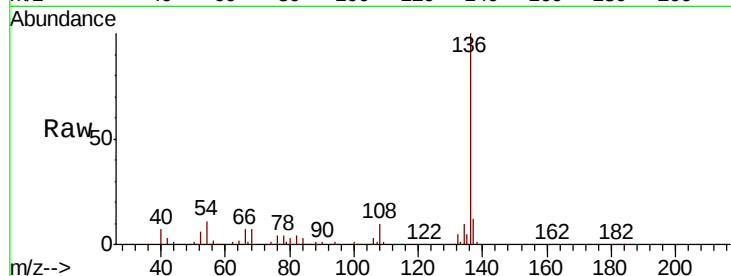
Ion Ratio Lower Upper

136 100

137 11.8 8.8 13.2

54 10.8 9.2 13.8

68 6.7 5.8 8.6

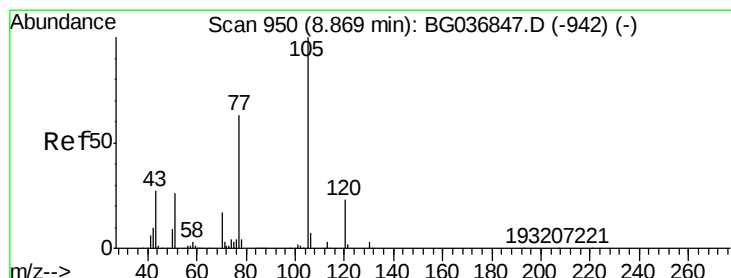
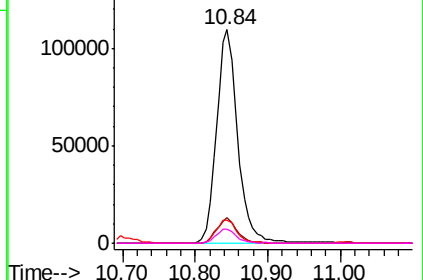
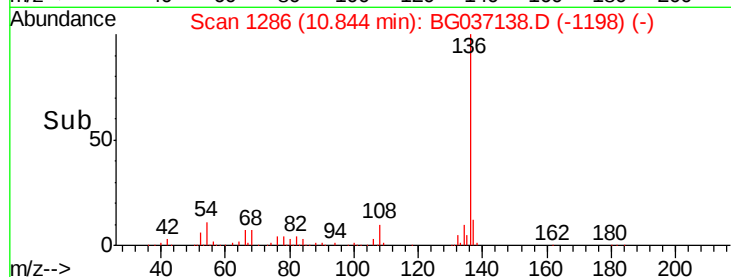


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 48.032 ng

RT: 8.86 min Scan# 948

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Tgt Ion:105 Resp: 250998

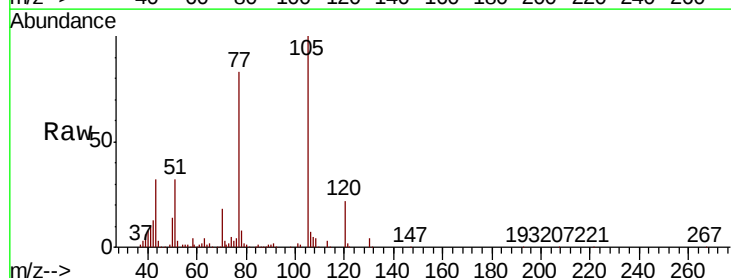
Ion Ratio Lower Upper

105 100

71 2.9 2.4 3.6

51 32.3 25.9 38.9

120 22.2 19.4 29.0

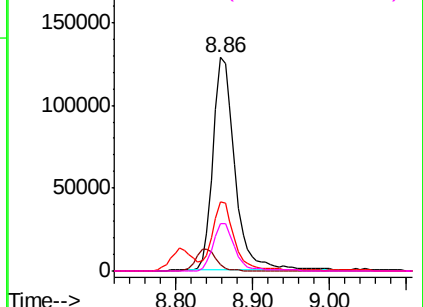
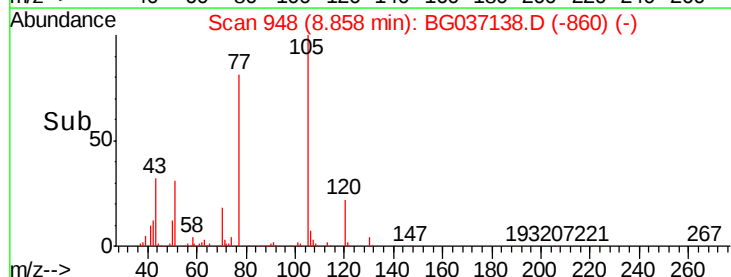


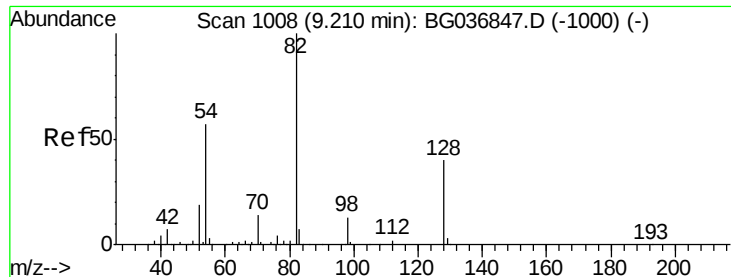
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

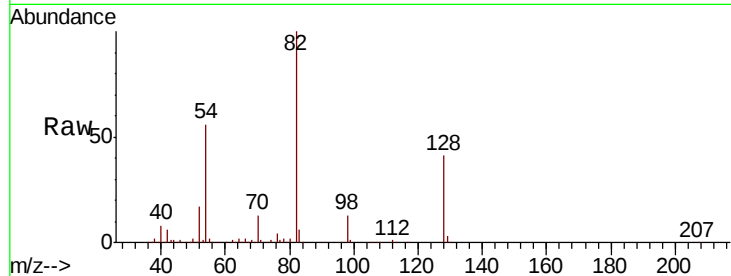




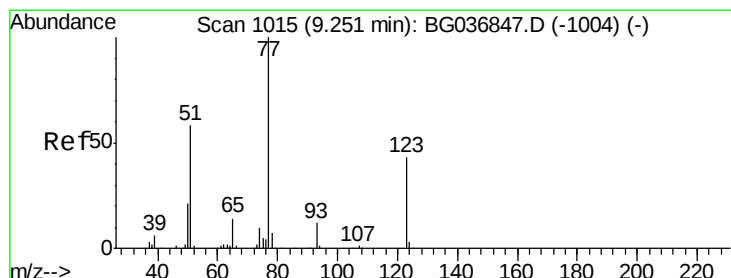
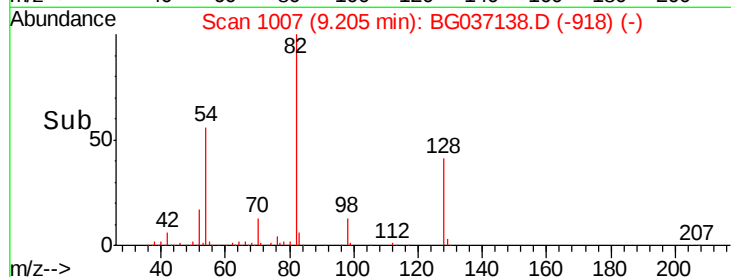
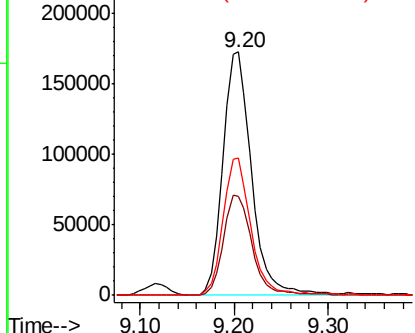
#23
 Nitrobenzene-d5
 Concen: 87.537 ng
 RT: 9.20 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.6	33.3	49.9
54	56.4	45.1	67.7

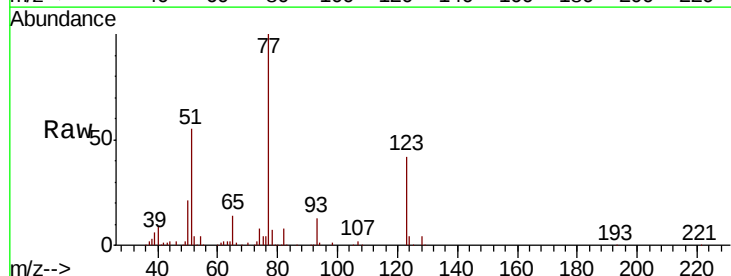


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

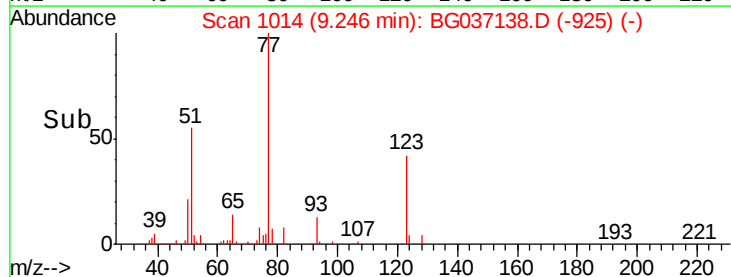
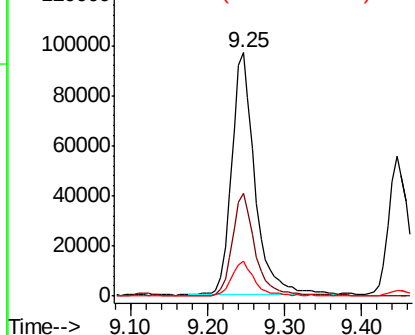


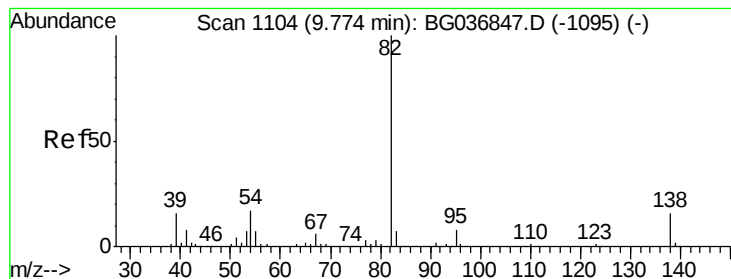
#24
 Nitrobenzene
 Concen: 46.294 ng
 RT: 9.25 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.3	32.4	48.6
65	14.4	11.5	17.3



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 51.395 ng

RT: 9.76 min Scan# 1101

Delta R.T. -0.02 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD

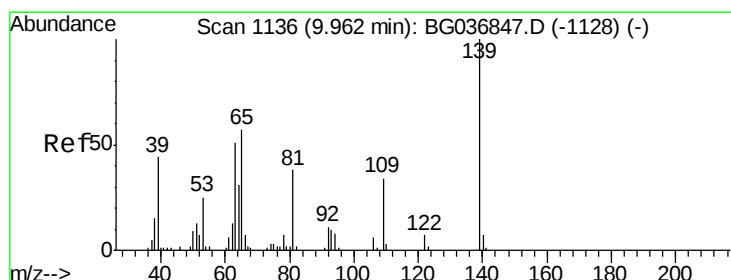
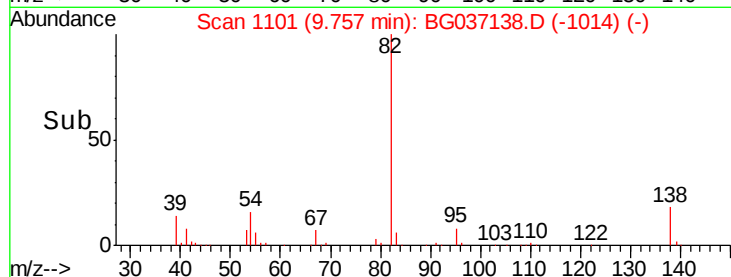
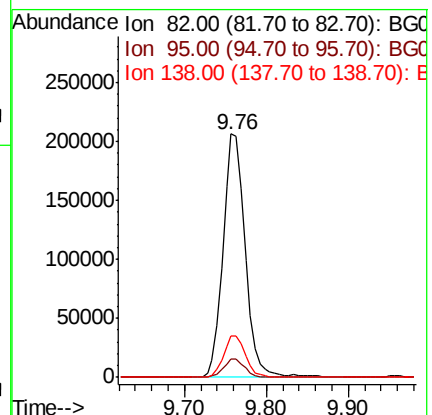
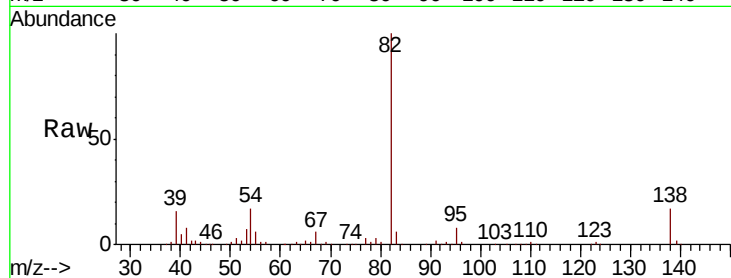
Tgt Ion: 82 Resp: 389955

Ion Ratio Lower Upper

82 100

95 7.7 5.8 8.8

138 16.9 12.9 19.3



#26

2-Nitrophenol

Concen: 51.576 ng

RT: 9.95 min Scan# 1134

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

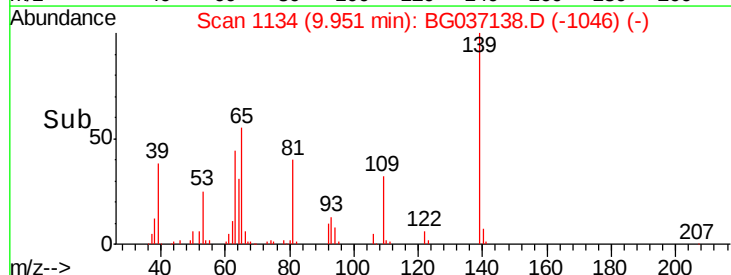
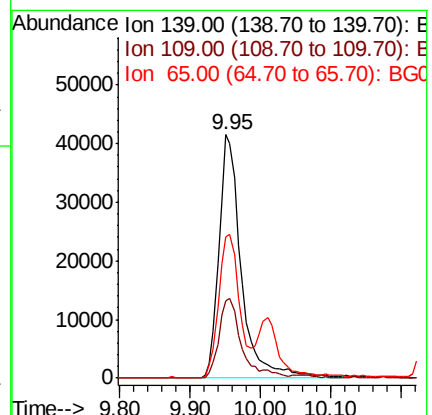
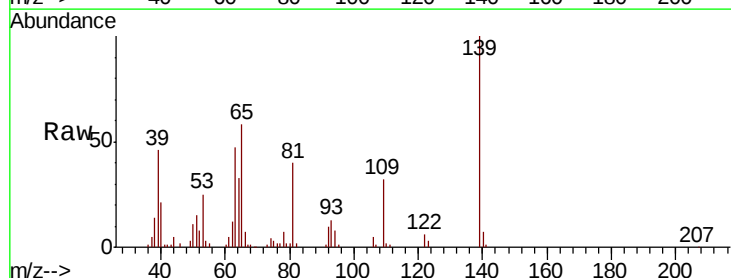
Tgt Ion: 139 Resp: 91163

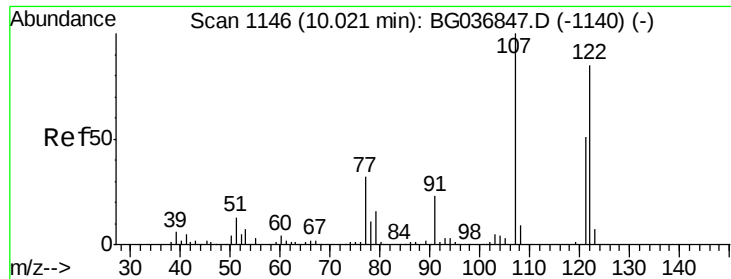
Ion Ratio Lower Upper

139 100

109 31.9 27.4 41.0

65 58.2 47.8 71.6

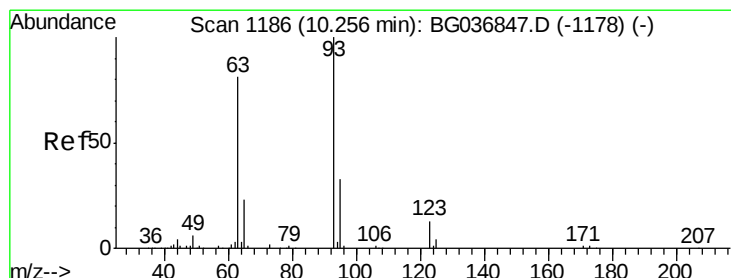
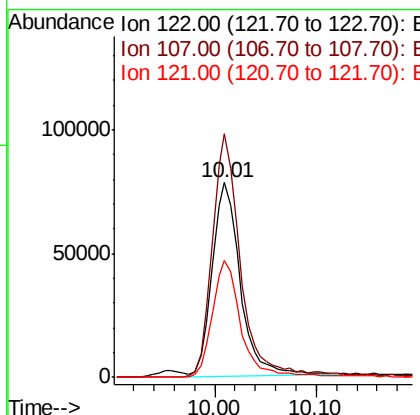
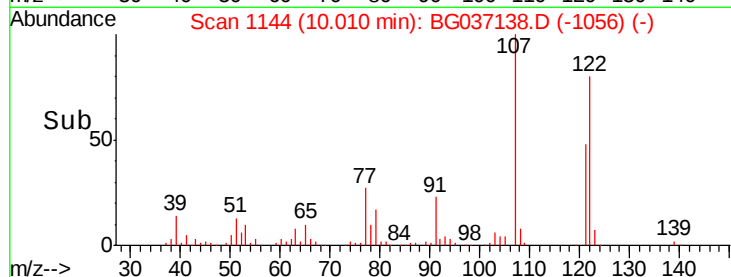
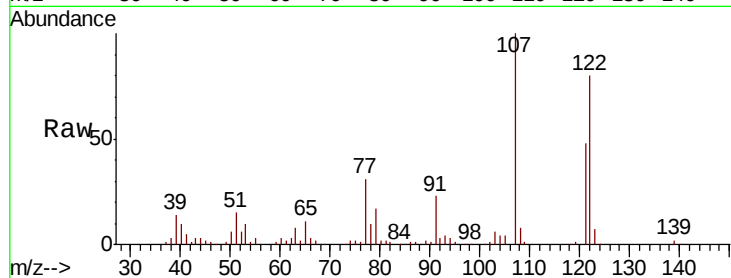




#27
2,4-Dimethylphenol
Concen: 54.263 ng
RT: 10.01 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

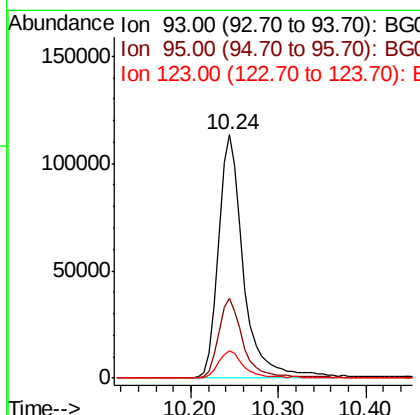
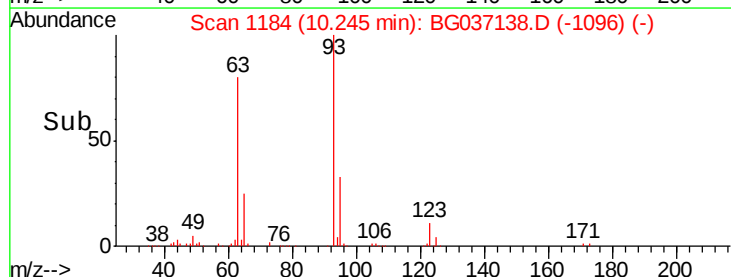
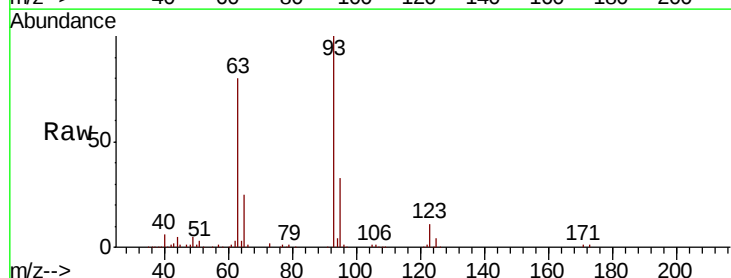
Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2MSD

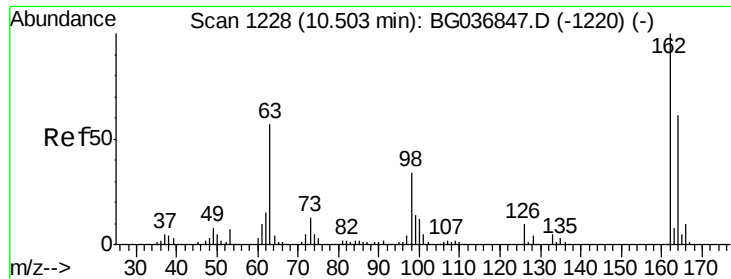
Tgt Ion:122 Resp: 149403
Ion Ratio Lower Upper
122 100
107 125.1 96.0 144.0
121 60.3 48.2 72.4



#28
bis(2-Chloroethoxy)methane
Concen: 48.058 ng
RT: 10.24 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

Tgt Ion: 93 Resp: 224999
Ion Ratio Lower Upper
93 100
95 32.9 25.2 37.8
123 11.2 8.6 12.8

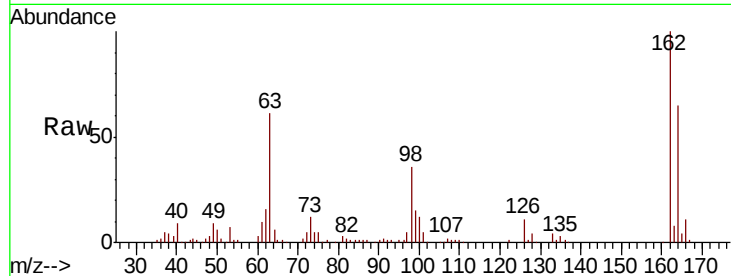




#29
 2,4-Dichlorophenol
 Concen: 49.389 ng
 RT: 10.49 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.3	47.6	87.6
98	35.7	19.2	59.2

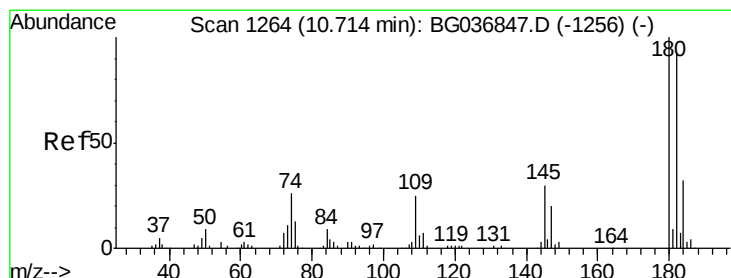
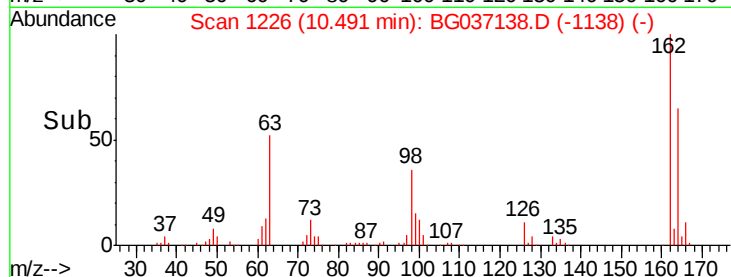
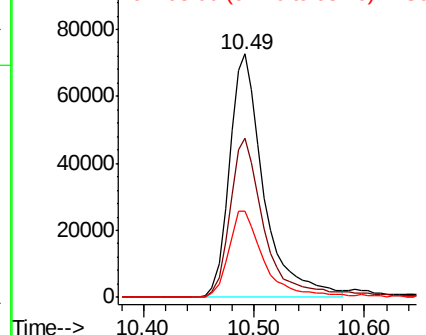


Abundance

Ion 162.00 (161.70 to 162.70): E

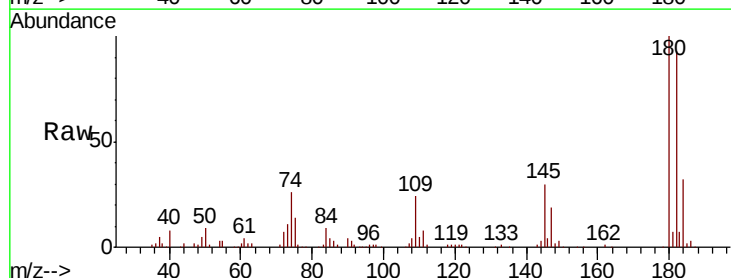
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30
 1,2,4-Trichlorobenzene
 Concen: 43.056 ng
 RT: 10.70 min Scan# 1262
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	76.0	114.0
145	30.0	22.9	34.3

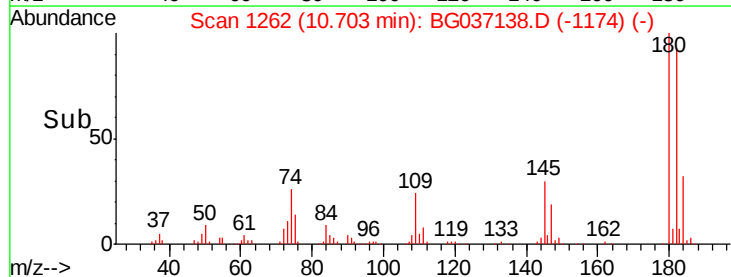
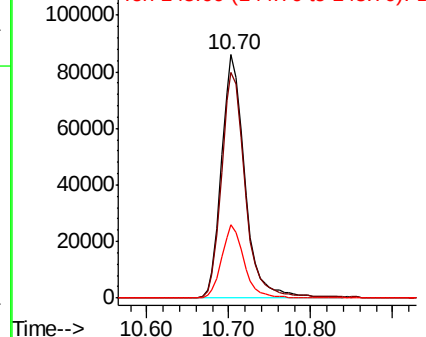


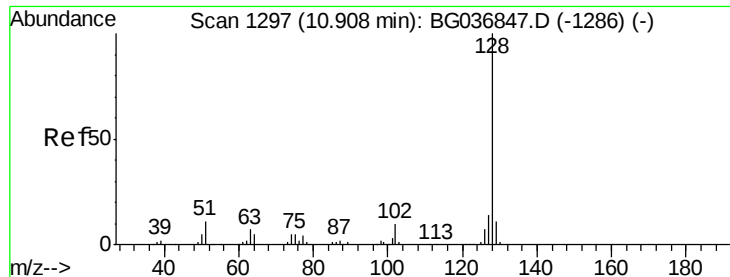
Abundance

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

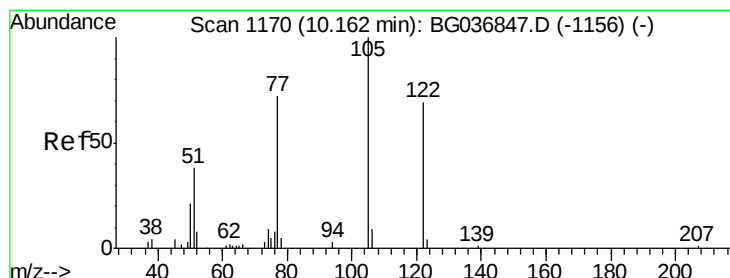
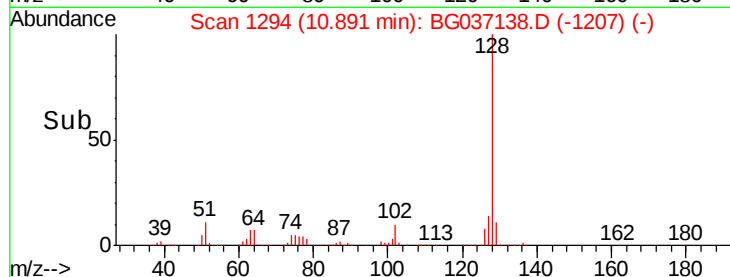
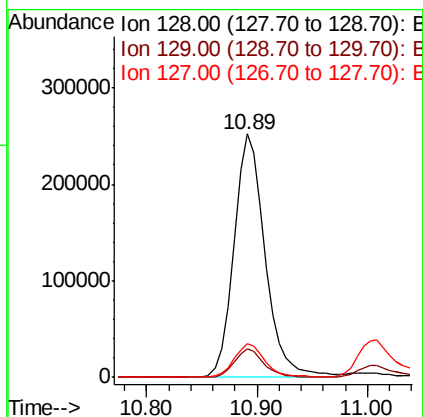
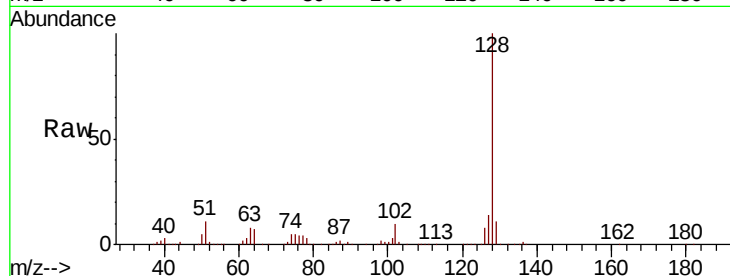




#31
Naphthalene
Concen: 47.168 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

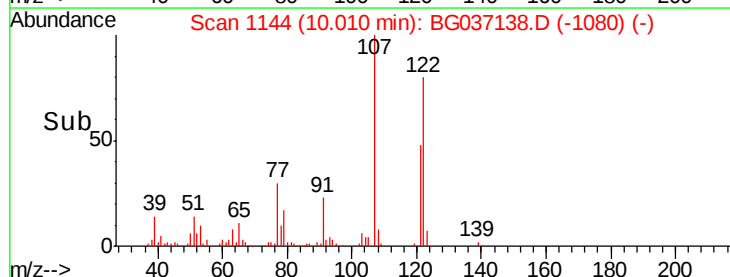
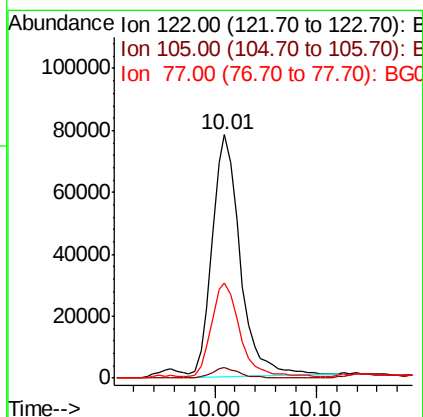
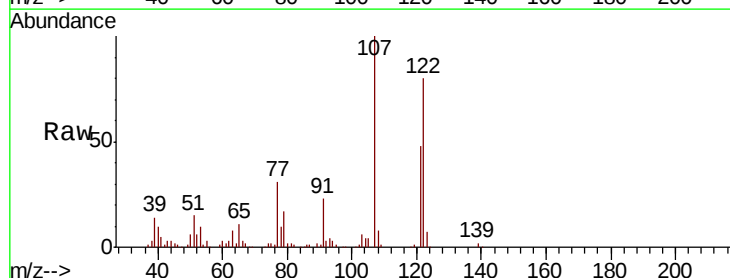
Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2MSD

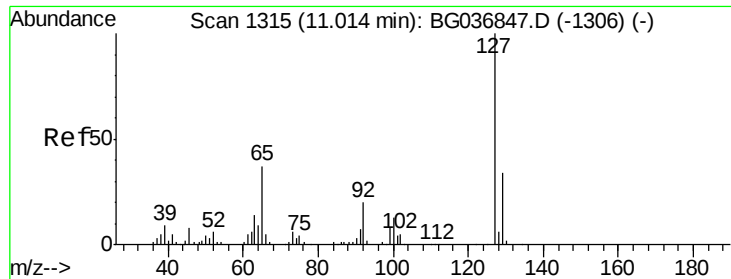
Tgt Ion:128 Resp: 499065
Ion Ratio Lower Upper
128 100
129 11.5 9.4 14.2
127 14.1 11.0 16.4



#32
Benzoic acid
Concen: 68.057 ng
RT: 10.01 min Scan# 1144
Delta R.T. -0.15 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

Tgt Ion:122 Resp: 149403
Ion Ratio Lower Upper
122 100
105 4.4 108.1 148.1#
77 38.9 76.3 116.3#

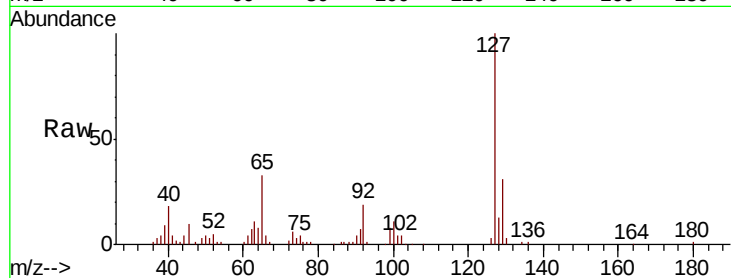




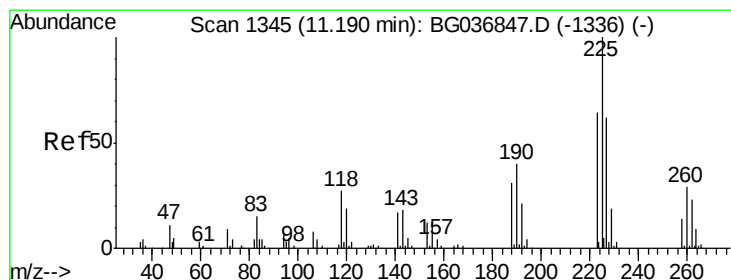
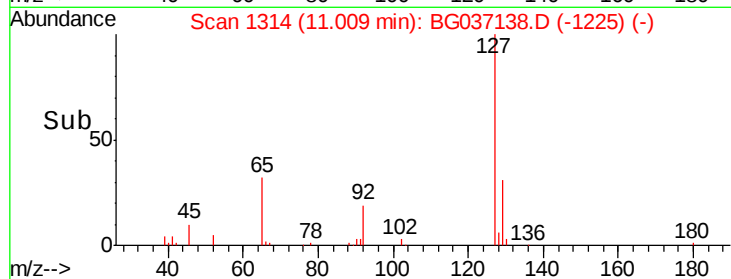
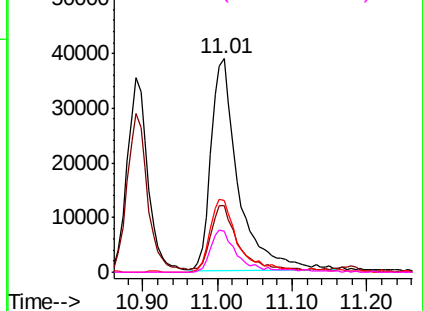
#33
4-Chloroaniline
Concen: 20.385 ng
RT: 11.01 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2MSD

Tgt Ion:127 Resp: 98064
Ion Ratio Lower Upper
127 100
129 31.3 25.9 38.9
65 33.5 27.5 41.3
92 19.4 16.2 24.2

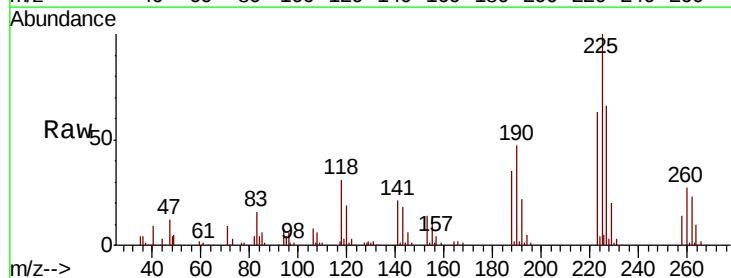


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

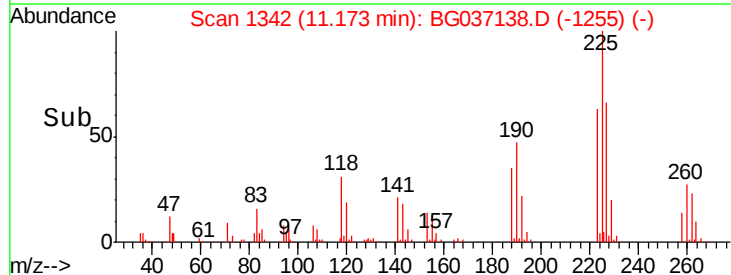
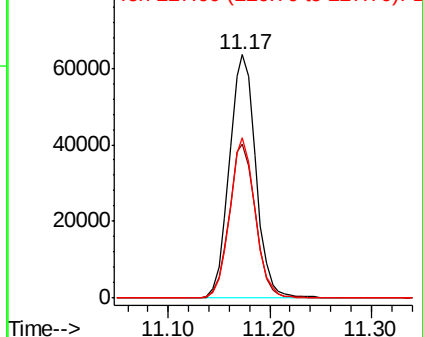


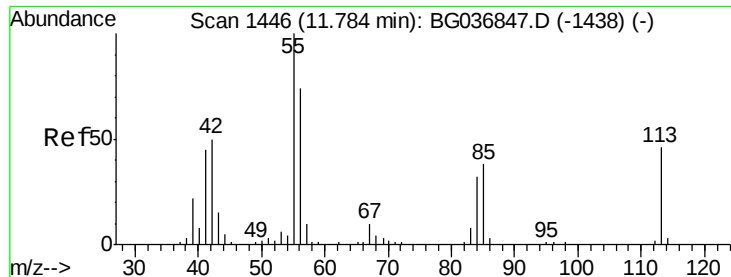
#34
Hexachlorobutadiene
Concen: 41.436 ng
RT: 11.17 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

Tgt Ion:225 Resp: 114456
Ion Ratio Lower Upper
225 100
223 63.1 51.8 77.8
227 65.9 49.8 74.6



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





#35

Caprolactam

Concen: 28.171 ng

RT: 11.78 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD

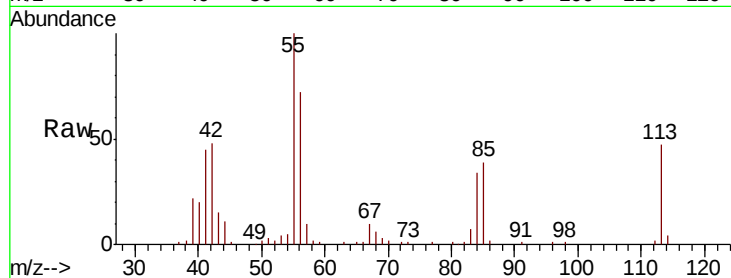
Tgt Ion:113 Resp: 37007

Ion Ratio Lower Upper

113 100

55 212.3 197.7 237.7

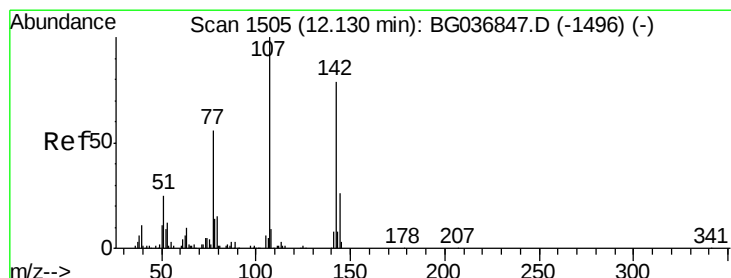
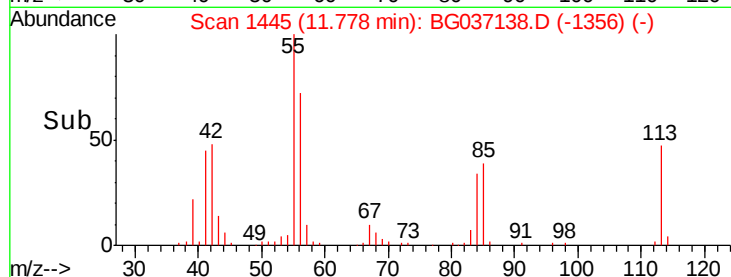
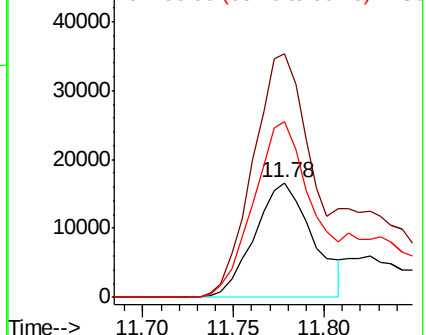
56 153.3 131.7 171.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 47.076 ng

RT: 12.12 min Scan# 1503

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

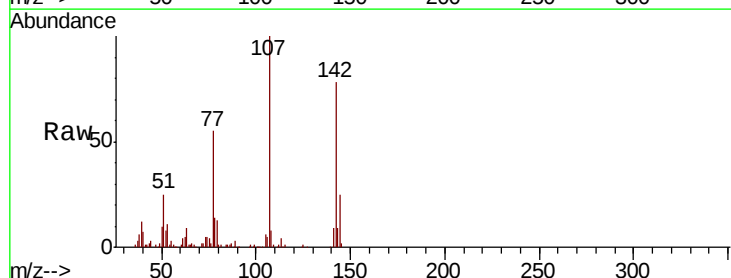
Tgt Ion:107 Resp: 179283

Ion Ratio Lower Upper

107 100

144 24.7 19.5 29.3

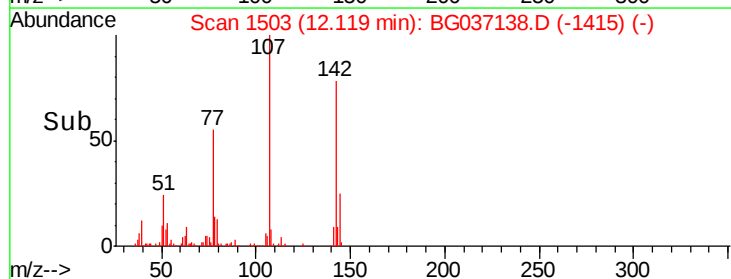
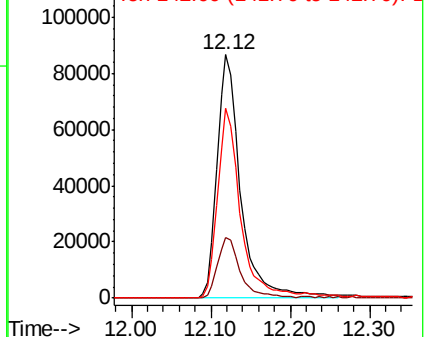
142 78.0 62.4 93.6

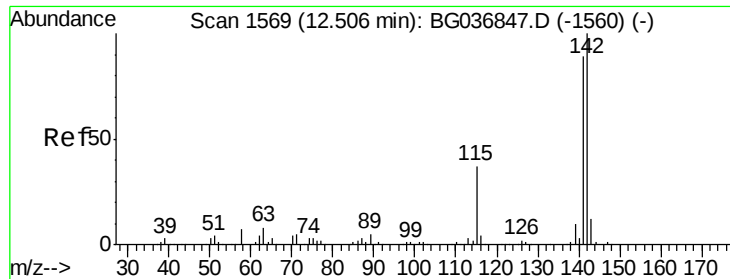


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

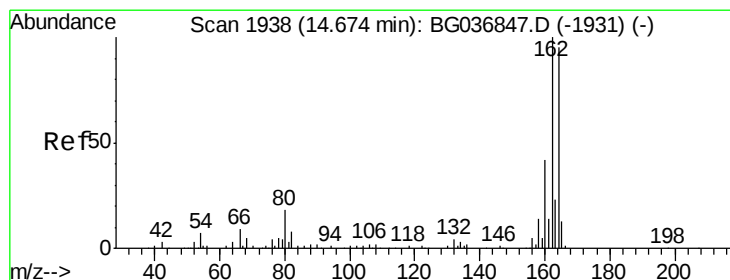
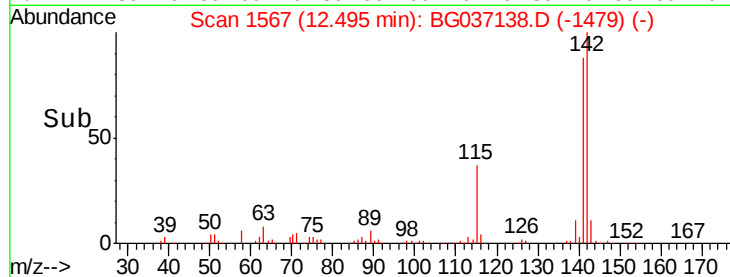
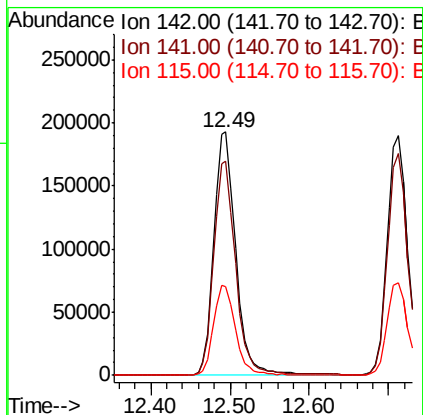
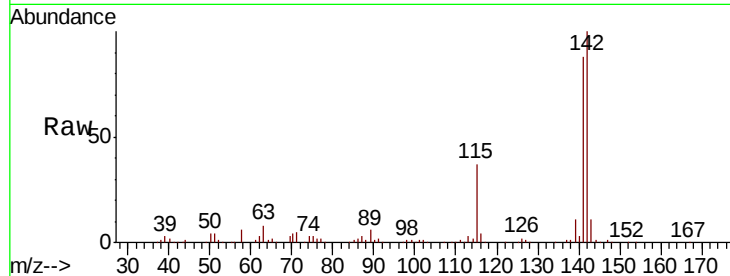




#37
 2-Methylnaphthalene
 Concen: 45.931 ng
 RT: 12.49 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

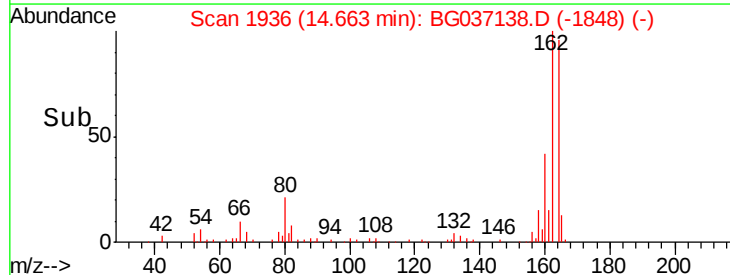
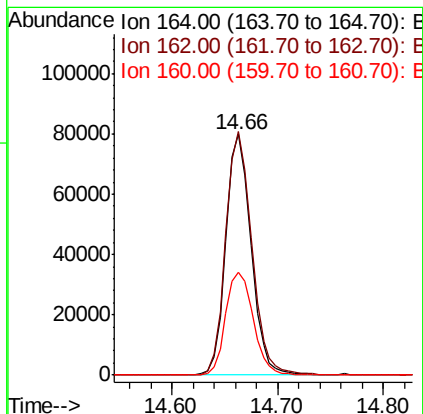
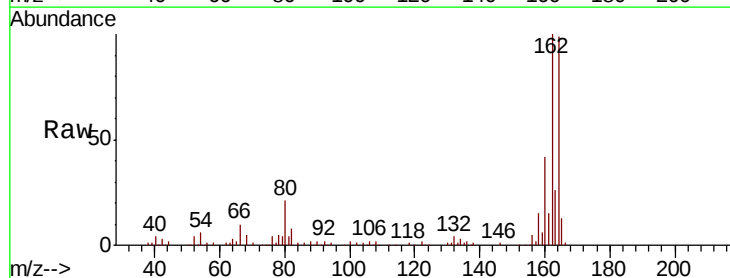
Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2MSD

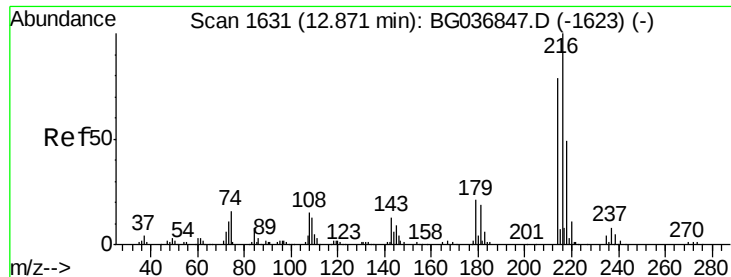
Tgt Ion:142 Resp: 370121
 Ion Ratio Lower Upper
 142 100
 141 87.7 68.5 102.7
 115 36.7 29.8 44.8



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Tgt Ion:164 Resp: 132022
 Ion Ratio Lower Upper
 164 100
 162 101.2 80.7 121.1
 160 43.0 35.3 52.9





#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.970 ng

RT: 12.86 min Scan# 1629

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD

Tgt Ion:216 Resp: 202468

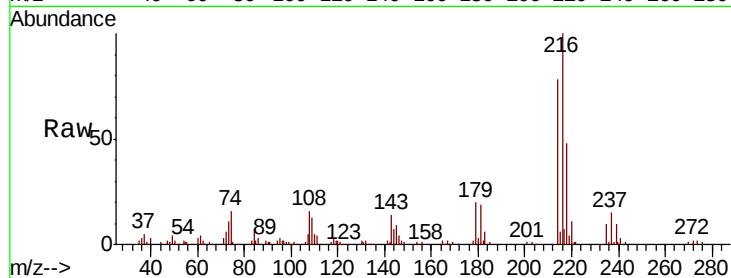
Ion Ratio Lower Upper

216 100

214 78.2 61.0 91.6

179 20.0 15.7 23.5

108 19.1 13.1 19.7

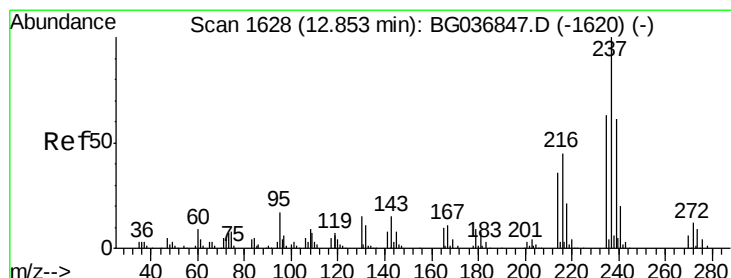
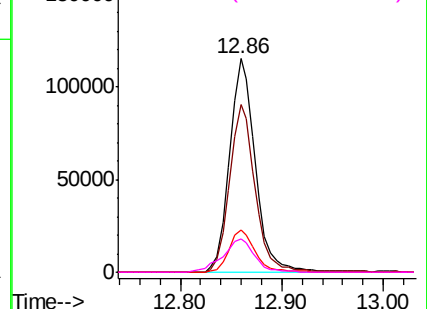
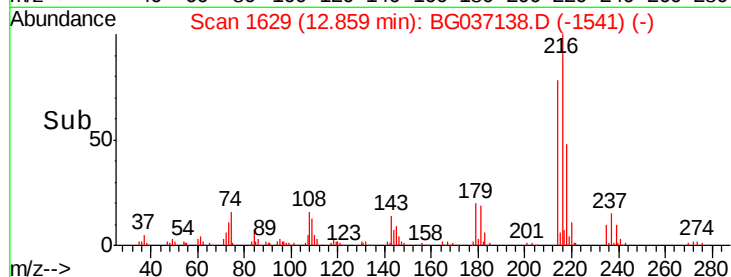


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 97.664 ng

RT: 12.84 min Scan# 1625

Delta R.T. -0.02 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

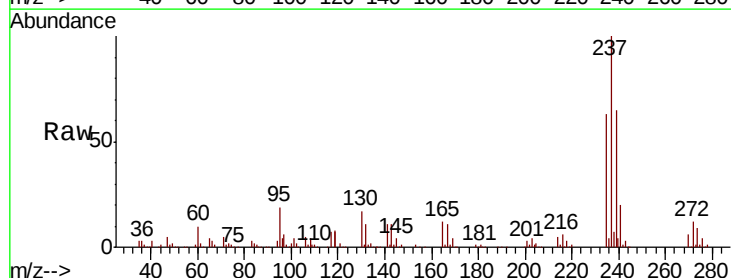
Tgt Ion:237 Resp: 231288

Ion Ratio Lower Upper

237 100

235 63.1 42.2 82.2

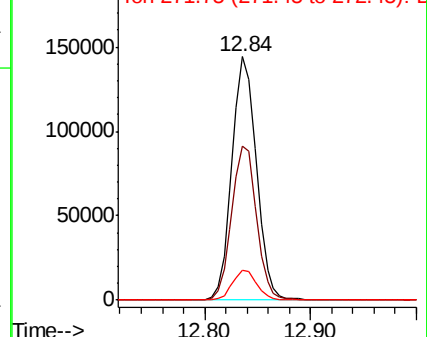
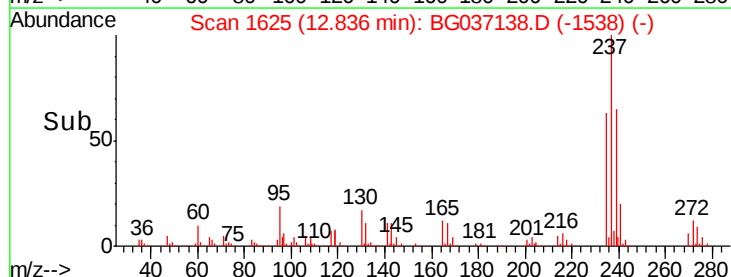
272 12.5 0.0 32.1

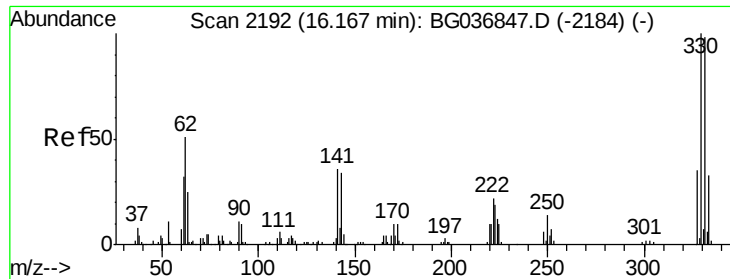


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 123.996 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD

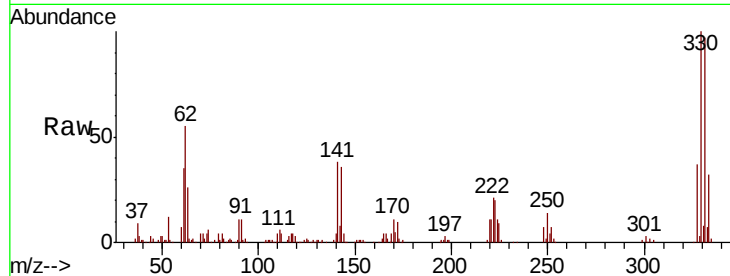
Tgt Ion:330 Resp: 195859

Ion Ratio Lower Upper

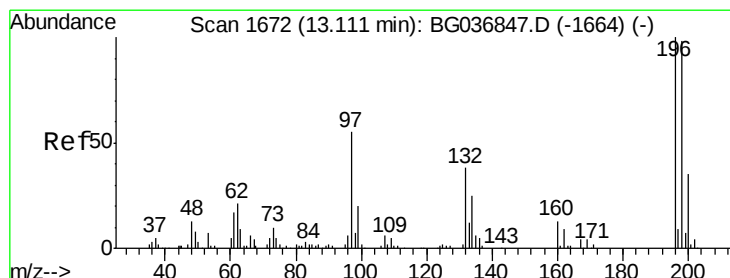
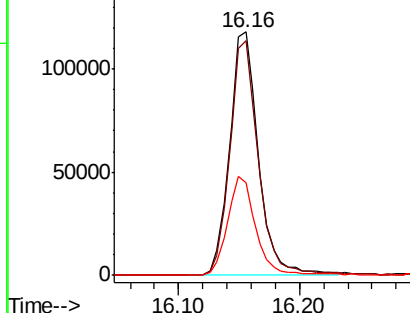
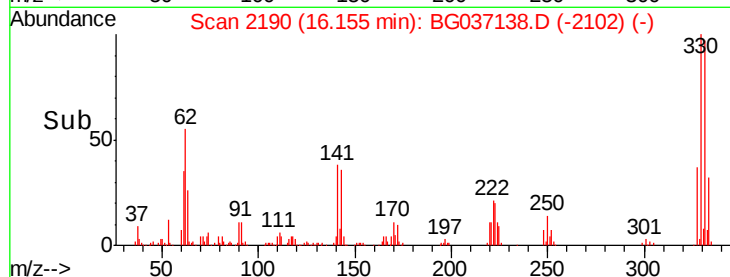
330 100

332 96.4 75.4 113.2

141 40.0 30.7 46.1



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



#42

2,4,6-Trichlorophenol

Concen: 50.186 ng

RT: 13.10 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

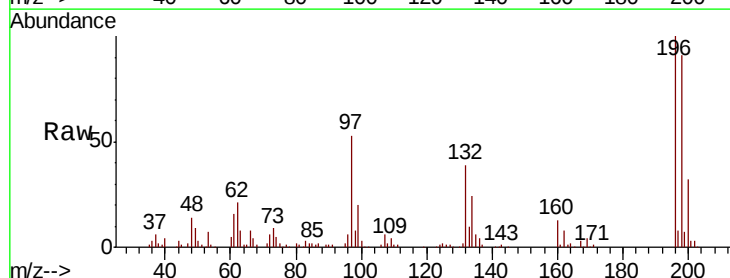
Tgt Ion:196 Resp: 128326

Ion Ratio Lower Upper

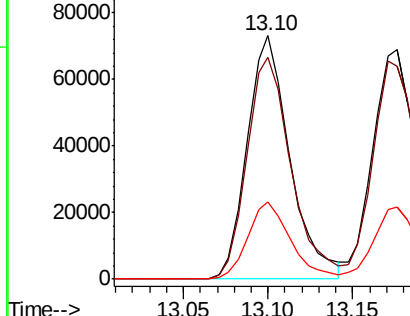
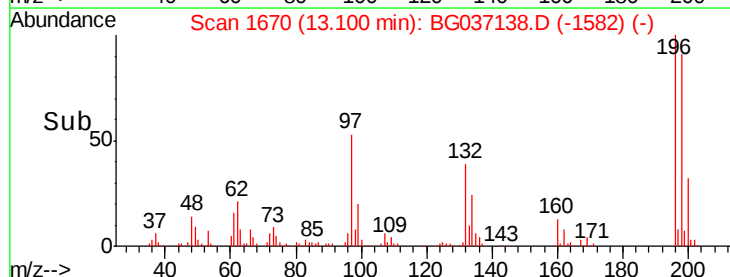
196 100

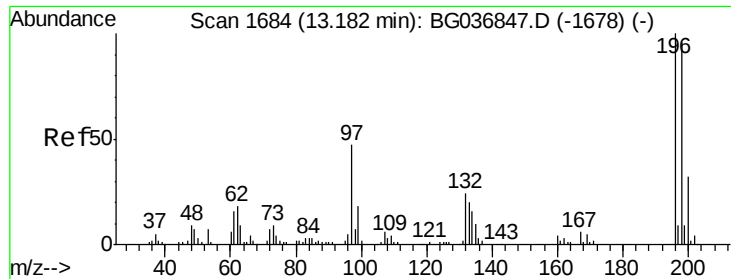
198 90.9 77.2 115.8

200 31.7 26.3 39.5



Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E

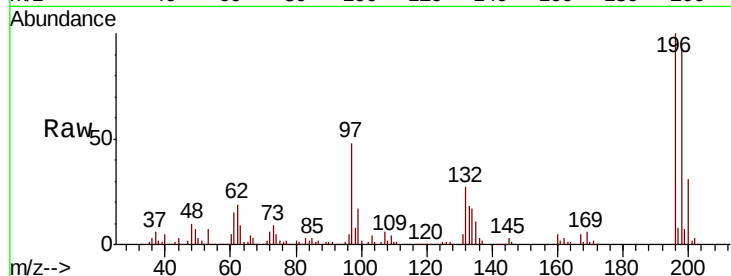




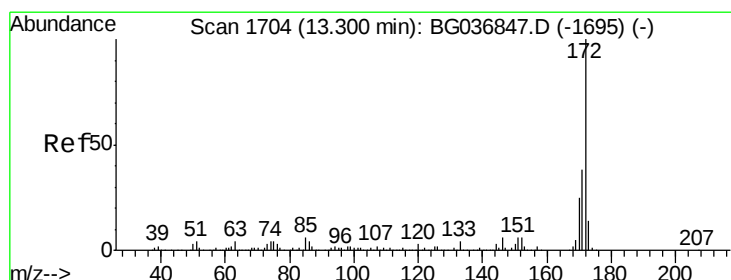
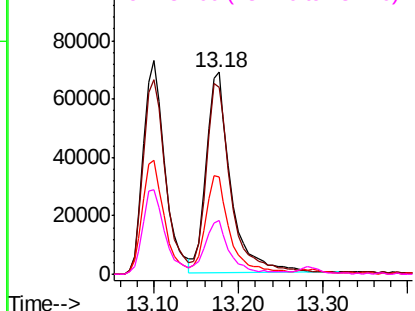
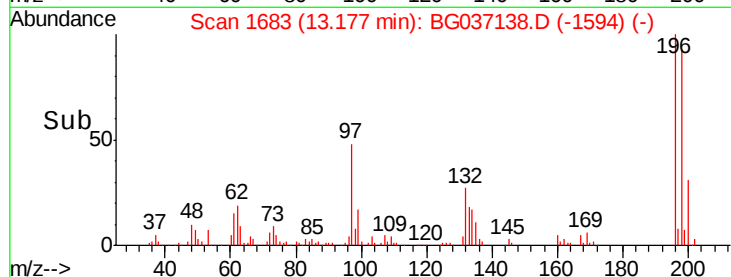
#43
 2,4,5-Trichlorophenol
 Concen: 51.842 ng
 RT: 13.18 min Scan# 1683
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2MSD

Tgt Ion:	196	Resp:	141351
Ion	Ratio	Lower	Upper
196	100		
198	92.5	75.6	113.4
97	48.0	37.2	55.8
132	26.7	19.4	29.2

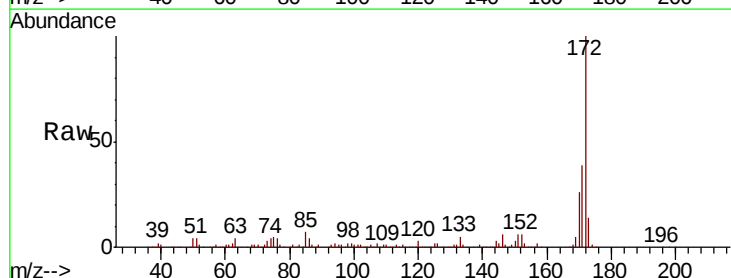


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

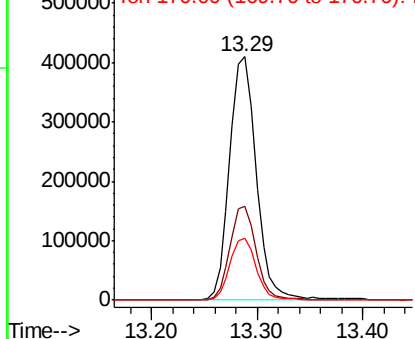
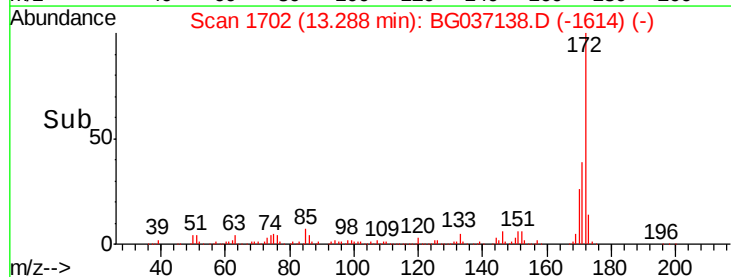


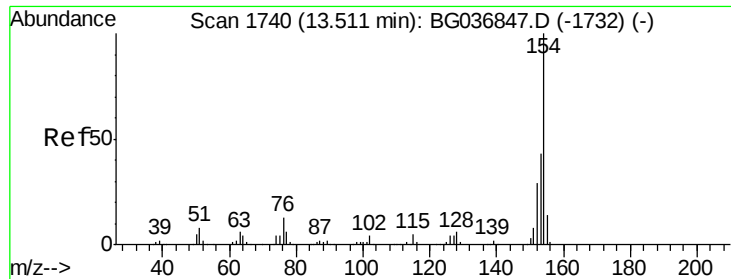
#44
 2-Fluorobiphenyl
 Concen: 81.085 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Tgt Ion:	172	Resp:	718749
Ion	Ratio	Lower	Upper
172	100		
171	38.6	31.3	46.9
170	25.7	21.0	31.6



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

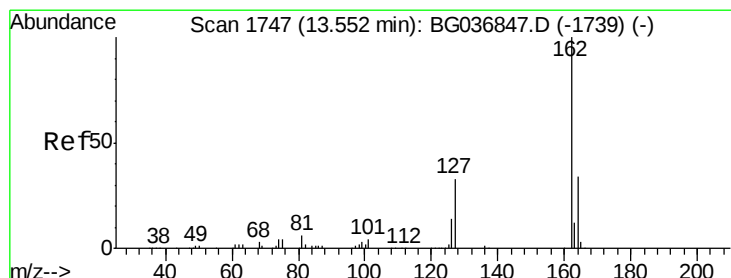
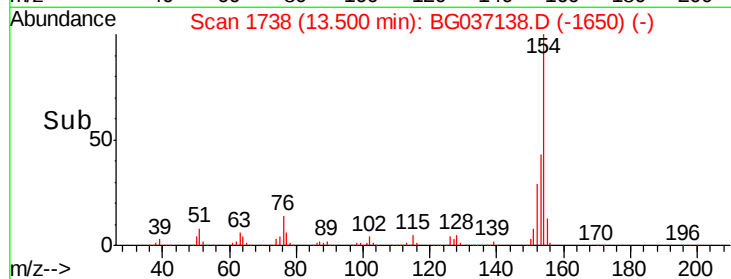
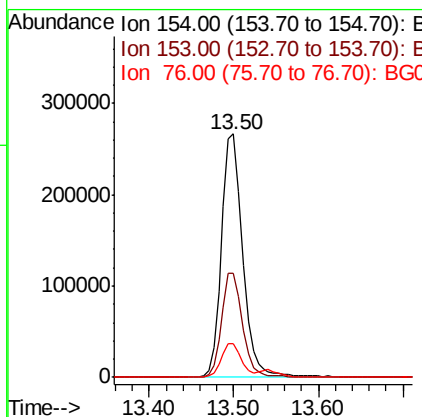
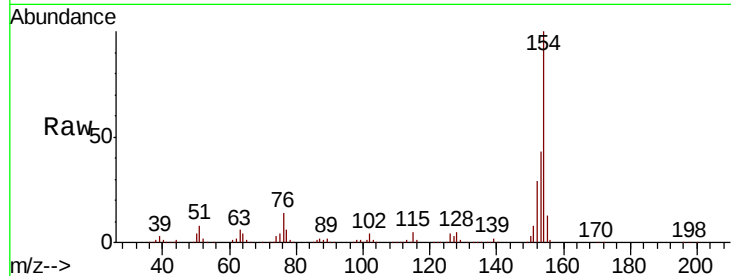




#45
 1,1'-Biphenyl
 Concen: 46.273 ng
 RT: 13.50 min Scan# 1738
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

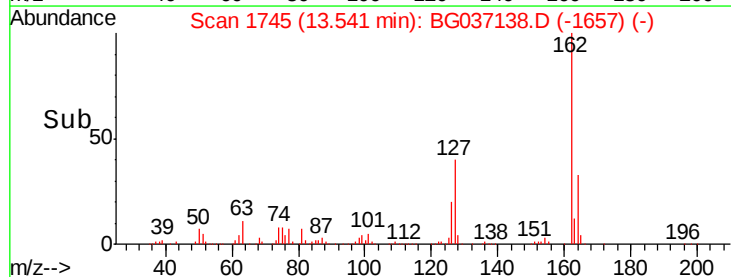
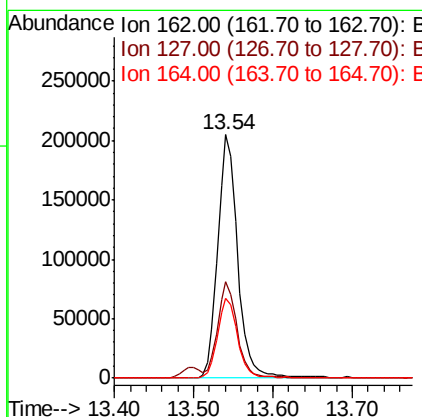
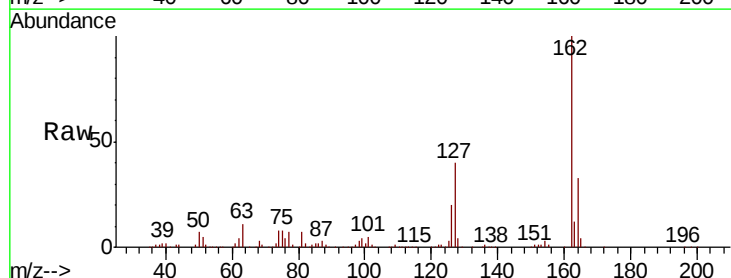
Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2MSD

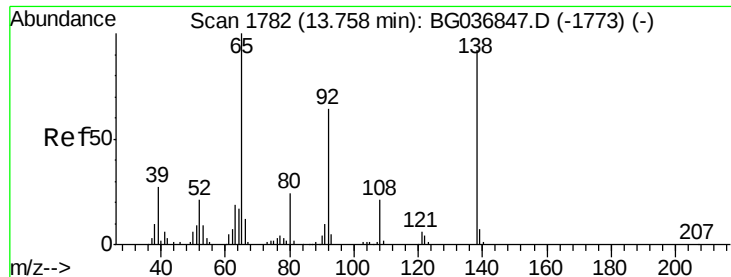
Tgt Ion:154 Resp: 467867
 Ion Ratio Lower Upper
 154 100
 153 42.7 24.0 64.0
 76 13.7 0.0 32.9



#46
 2-Chloronaphthalene
 Concen: 44.934 ng
 RT: 13.54 min Scan# 1745
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Tgt Ion:162 Resp: 357293
 Ion Ratio Lower Upper
 162 100
 127 39.6 30.7 46.1
 164 33.0 26.7 40.1





#47

2-Nitroaniline

Concen: 48.330 ng

RT: 13.75 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD

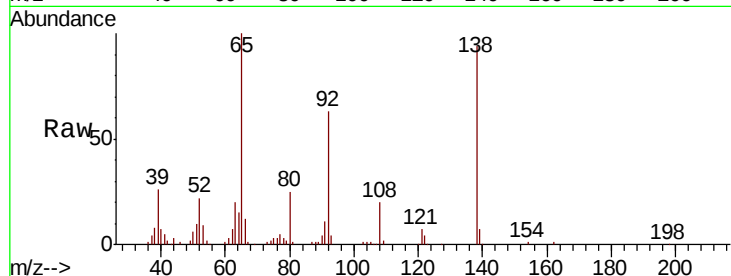
Tgt Ion: 65 Resp: 132922

Ion Ratio Lower Upper

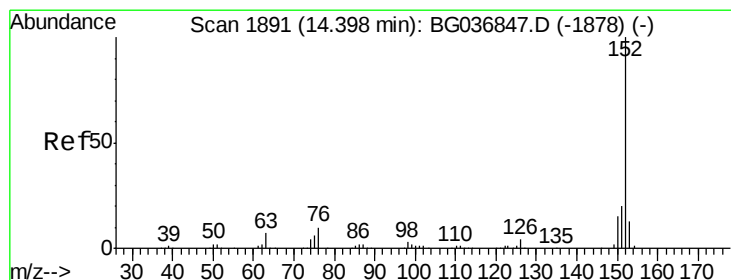
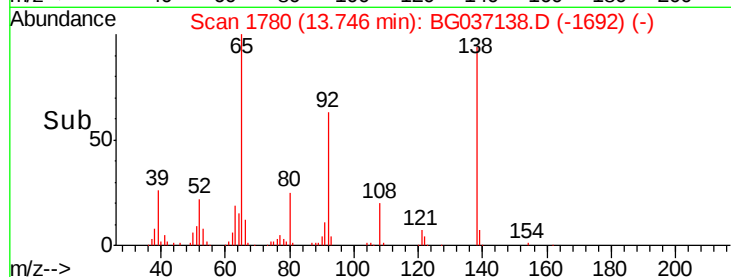
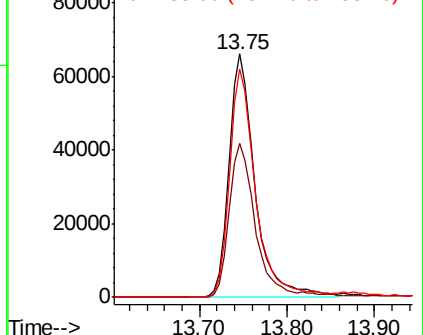
65 100

92 63.3 49.9 74.9

138 93.9 76.2 114.4



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#48

Acenaphthylene

Concen: 48.321 ng

RT: 14.39 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

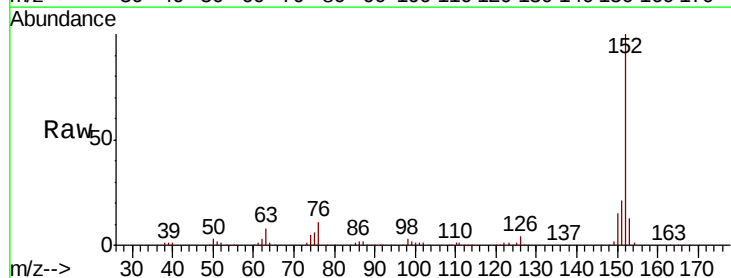
Tgt Ion: 152 Resp: 602081

Ion Ratio Lower Upper

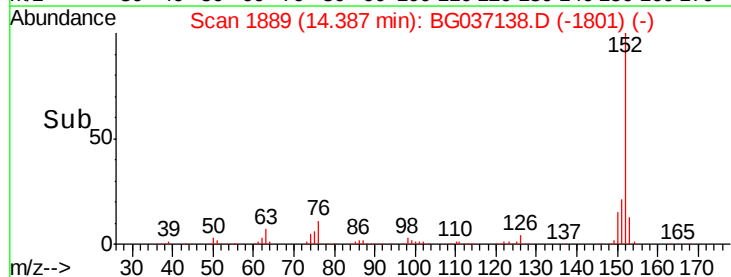
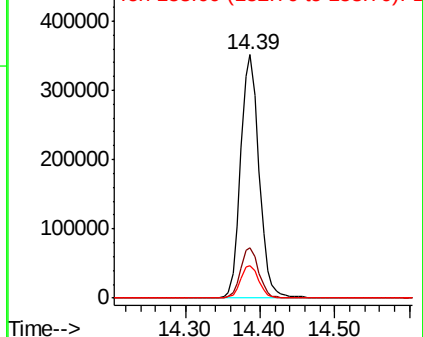
152 100

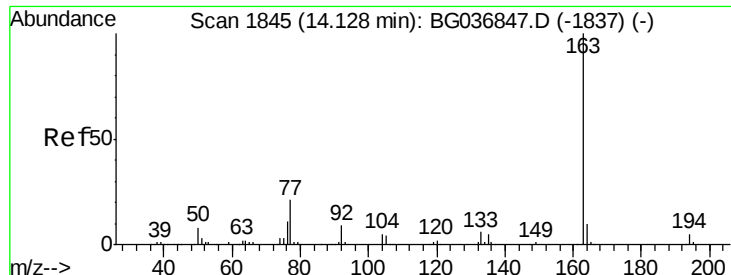
151 20.7 16.9 25.3

153 13.3 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): BGC
Ion 151.00 (150.70 to 151.70): BGC
Ion 153.00 (152.70 to 153.70): BGC





#49

Dimethylphthalate

Concen: 73.091 ng

RT: 14.12 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD

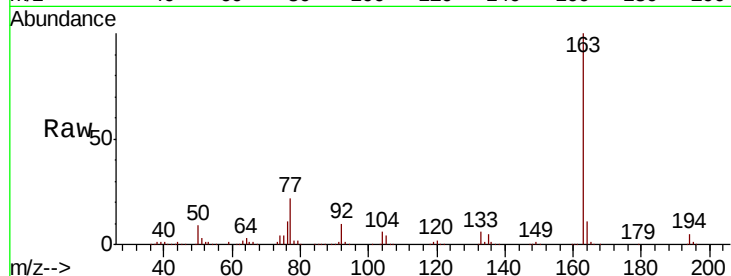
Tgt Ion:163 Resp: 776725

Ion Ratio Lower Upper

163 100

194 4.9 4.0 6.0

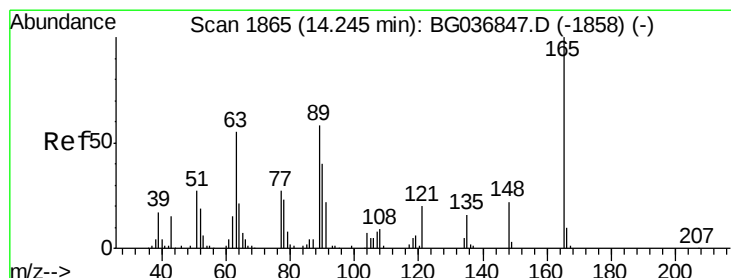
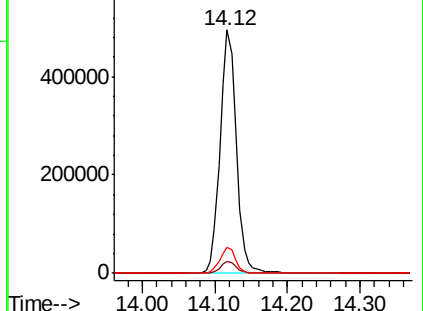
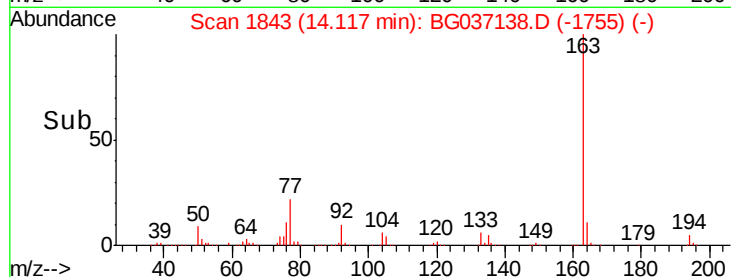
164 10.8 8.1 12.1



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: 46.156 ng

RT: 14.24 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

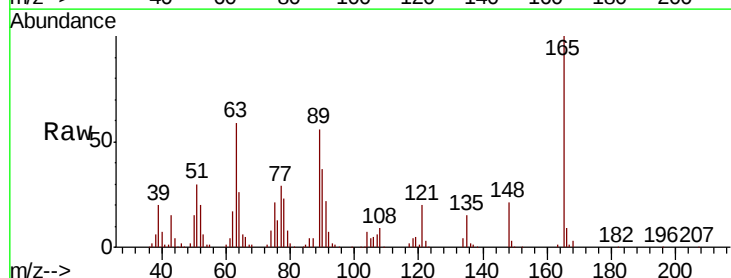
Tgt Ion:165 Resp: 107018

Ion Ratio Lower Upper

165 100

63 58.8 50.1 75.1

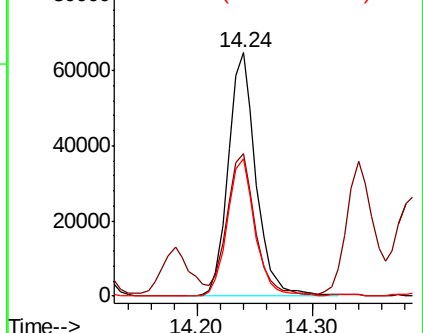
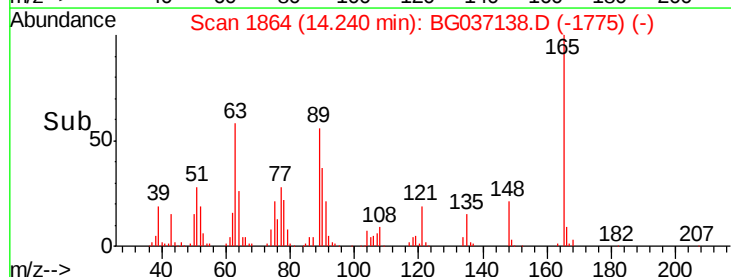
89 56.3 47.8 71.6

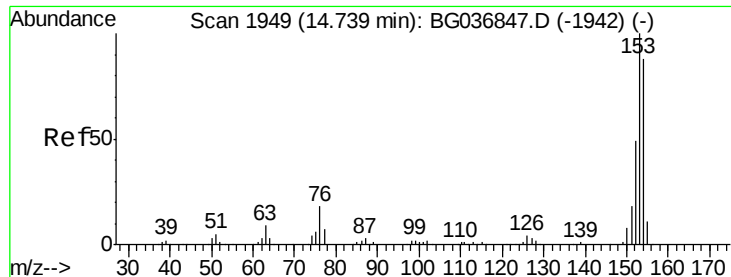


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 45.493 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD

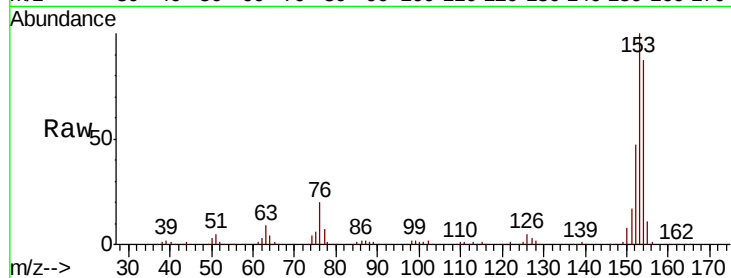
Tgt Ion:154 Resp: 342589

Ion Ratio Lower Upper

154 100

153 114.5 91.8 137.6

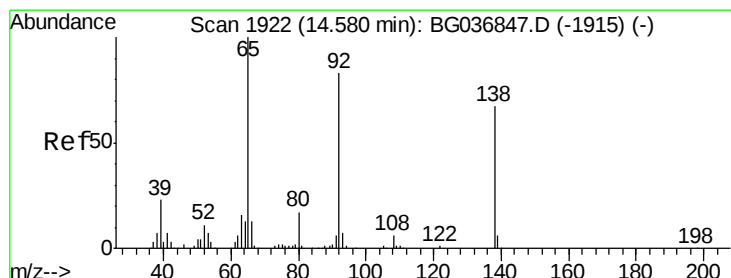
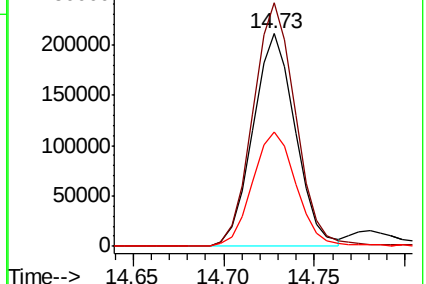
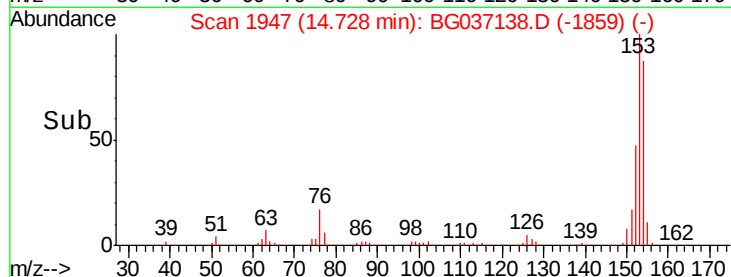
152 53.7 43.5 65.3



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: 30.344 ng

RT: 14.57 min Scan# 1920

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

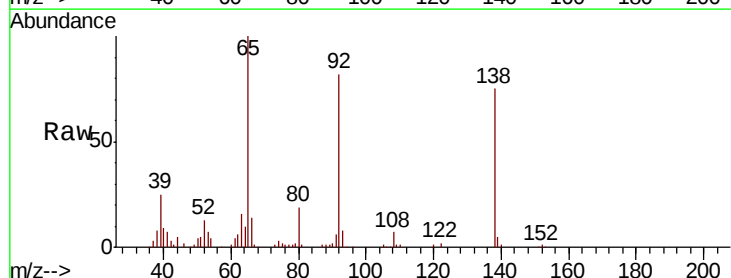
Tgt Ion:138 Resp: 74137

Ion Ratio Lower Upper

138 100

108 9.5 9.4 14.2

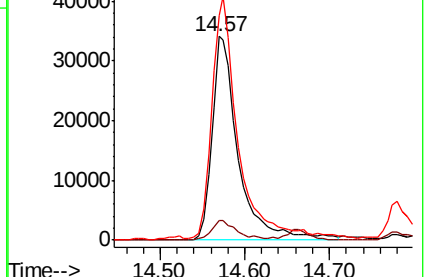
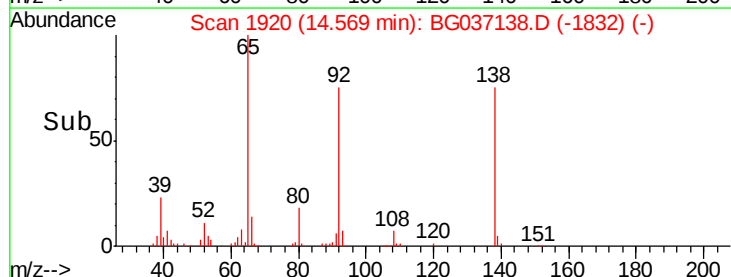
92 110.2 96.8 145.2

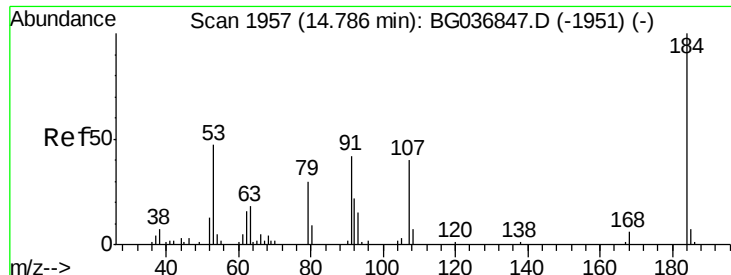


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

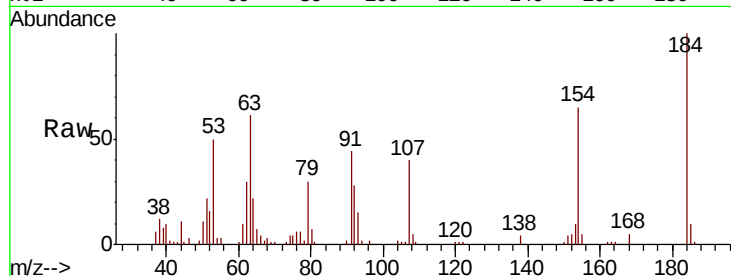




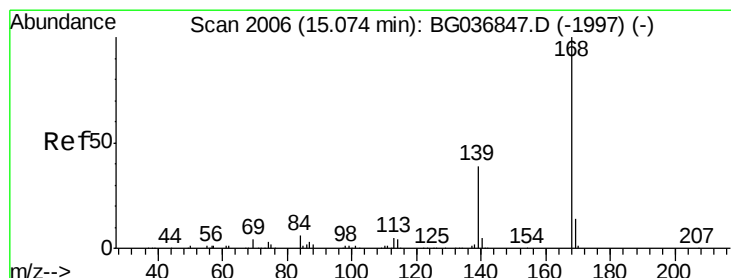
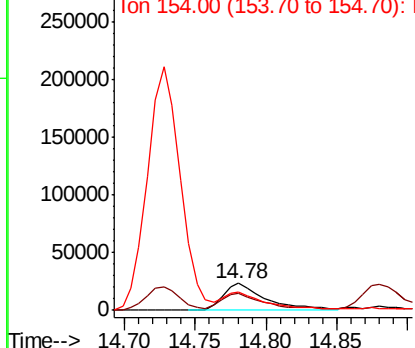
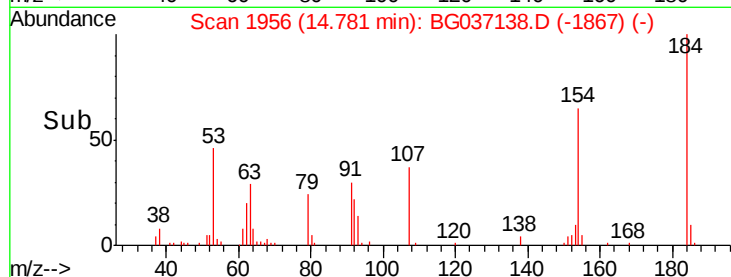
#53
 2,4-Dinitrophenol
 Concen: 48.839 ng
 RT: 14.78 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2MSD

Tgt Ion:184 Resp: 49489
 Ion Ratio Lower Upper
 184 100
 63 60.8 47.3 70.9
 154 65.5 51.1 76.7

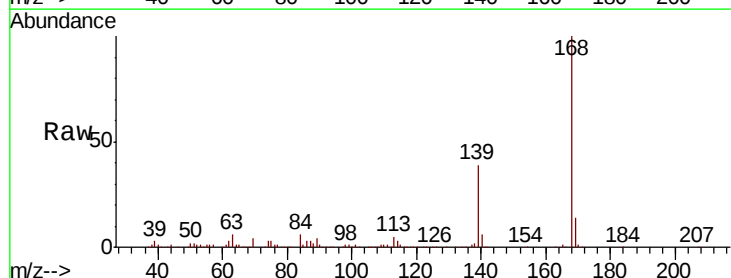


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

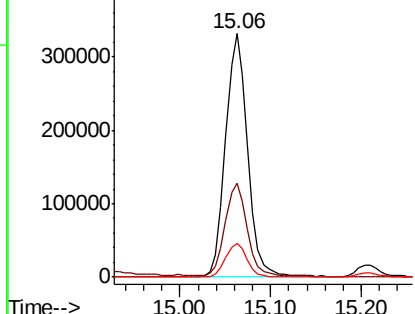
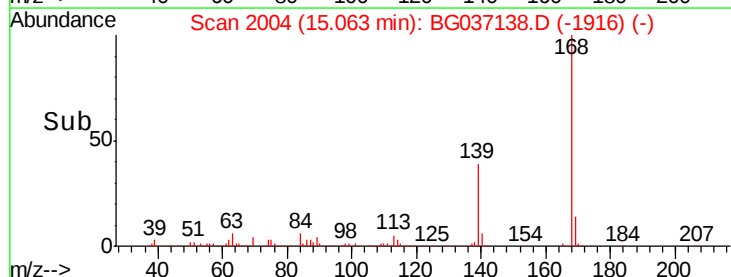


#54
 Dibenzofuran
 Concen: 43.896 ng
 RT: 15.06 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Tgt Ion:168 Resp: 559128
 Ion Ratio Lower Upper
 168 100
 139 38.8 31.0 46.6
 169 13.6 11.1 16.7



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

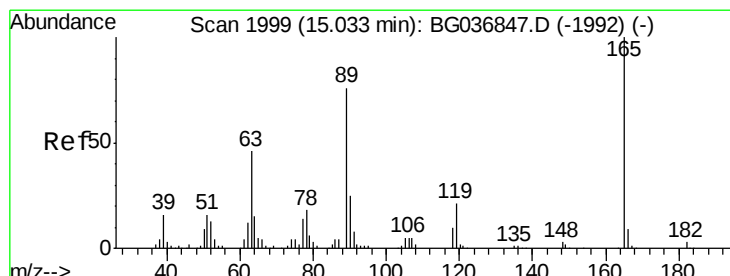
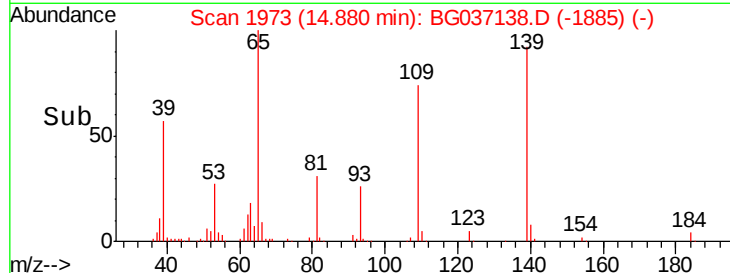
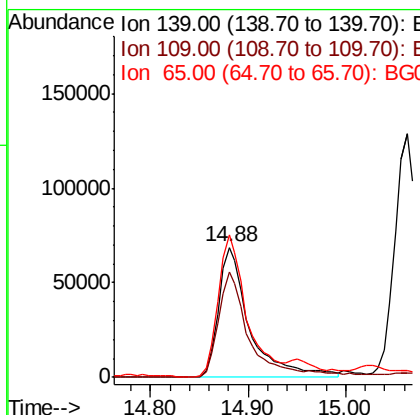
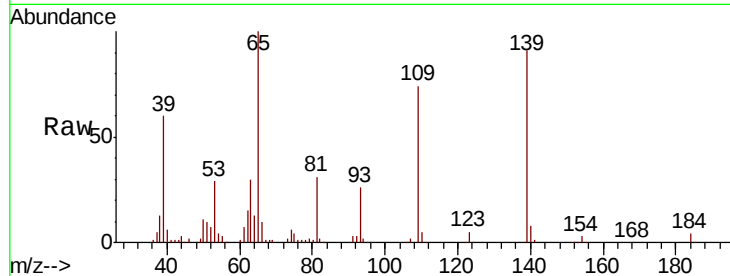




#55
4-Nitrophenol
Concen: 97.166 ng
RT: 14.88 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

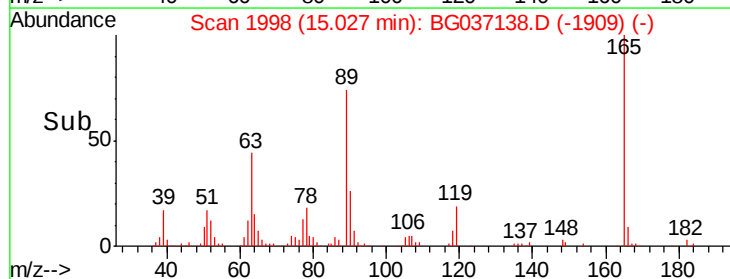
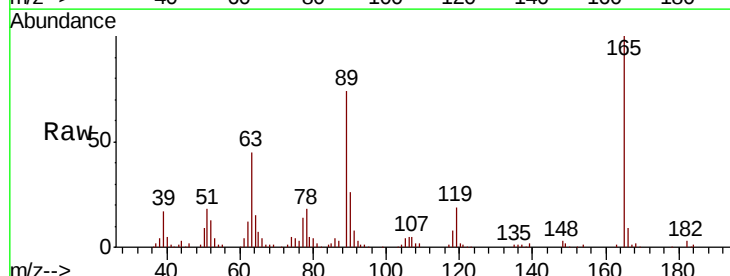
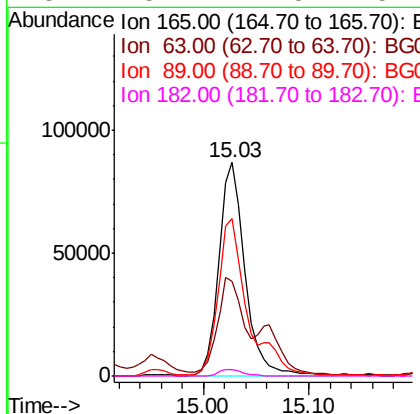
Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2MSD

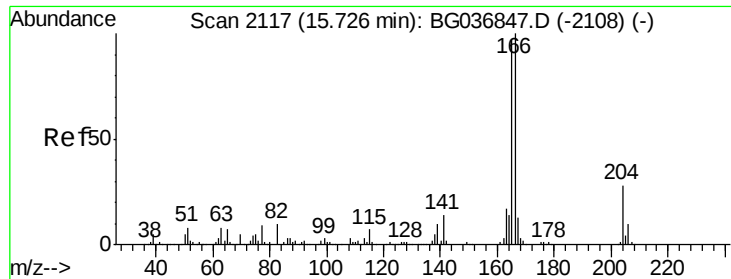
Tgt Ion:139 Resp: 151660
Ion Ratio Lower Upper
139 100
109 81.3 63.9 103.9
65 109.8 90.0 130.0



#56
2,4-Dinitrotoluene
Concen: 46.516 ng
RT: 15.03 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

Tgt Ion:165 Resp: 150496
Ion Ratio Lower Upper
165 100
63 44.6 40.1 60.1
89 73.7 63.7 95.5
182 3.2 2.5 3.7





#57

Fluorene

Concen: 47.018 ng

RT: 15.71 min Scan# 2114

Delta R.T. -0.02 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD

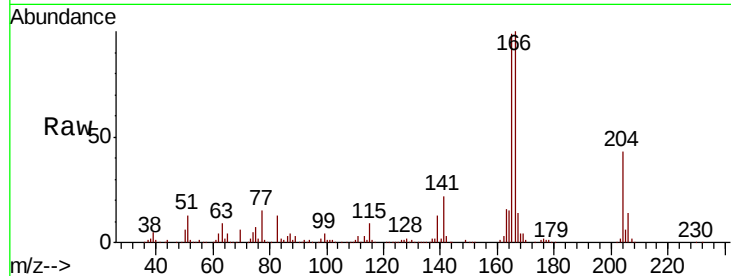
Tgt Ion:166 Resp: 447639

Ion Ratio Lower Upper

166 100

165 99.2 77.0 115.4

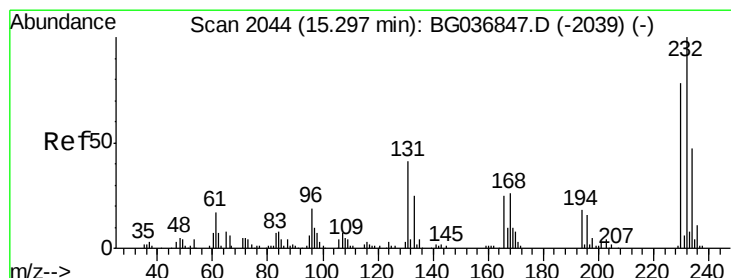
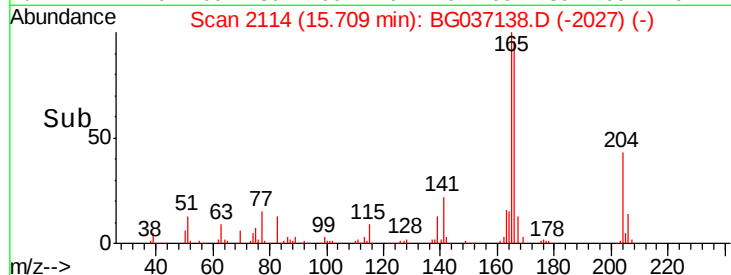
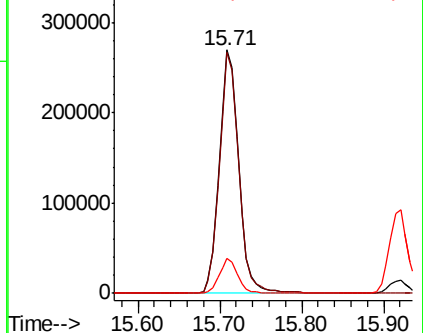
167 14.2 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 50.430 ng

RT: 15.29 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Tgt Ion:232 Resp: 139485

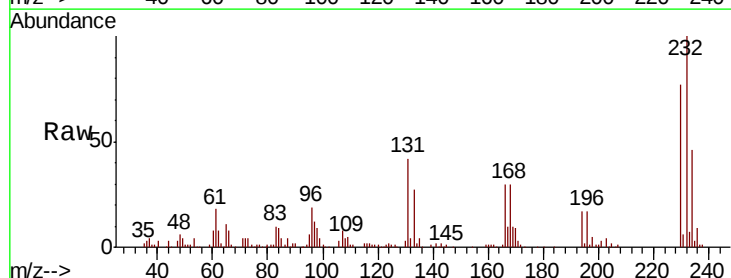
Ion Ratio Lower Upper

232 100

131 39.2 33.8 50.8

130 2.3 2.1 3.1

166 29.2 22.3 33.5

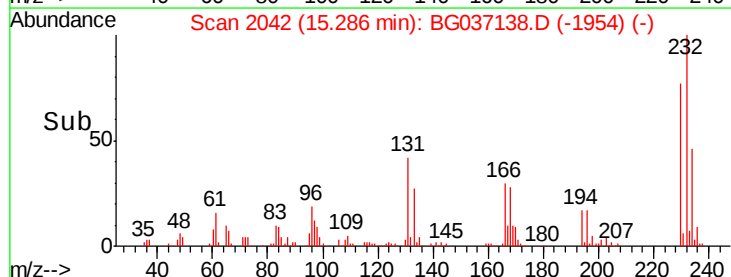
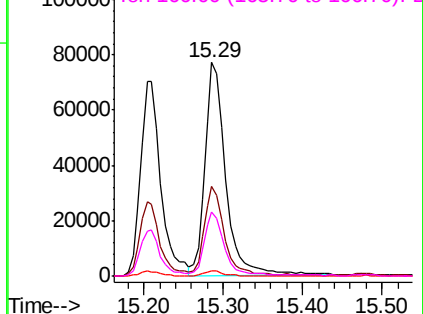


Abundance Ion 232.00 (231.70 to 232.70): E

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

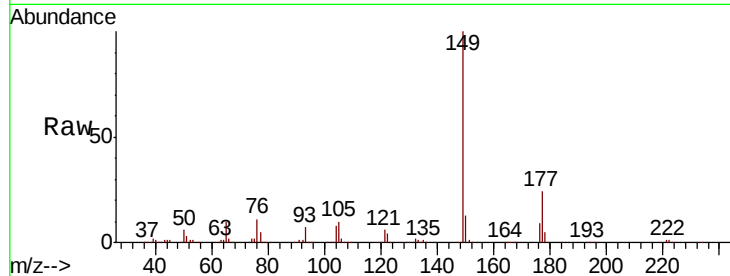




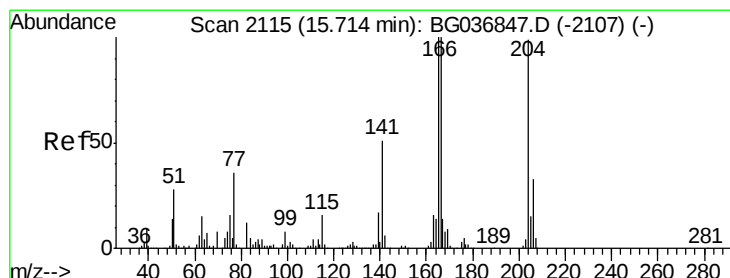
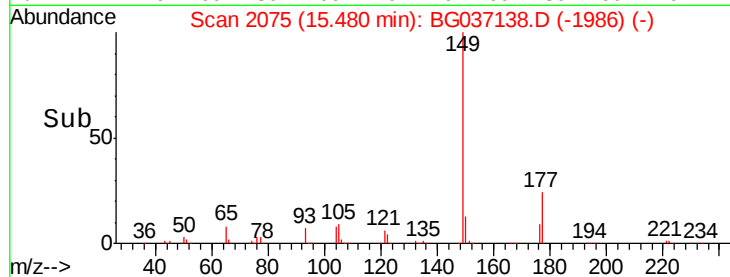
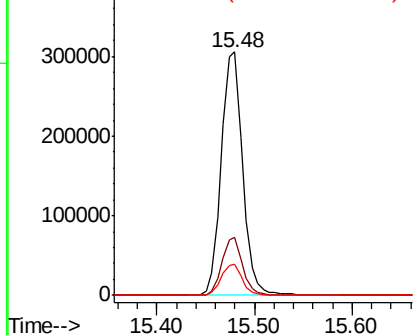
#59
Diethylphthalate
Concen: 43.471 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2MSD

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.8	19.1	28.7
150	12.7	10.7	16.1

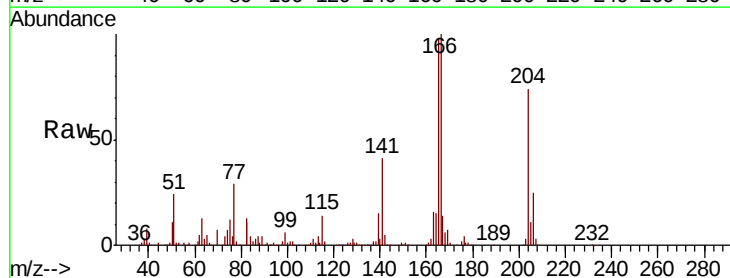


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

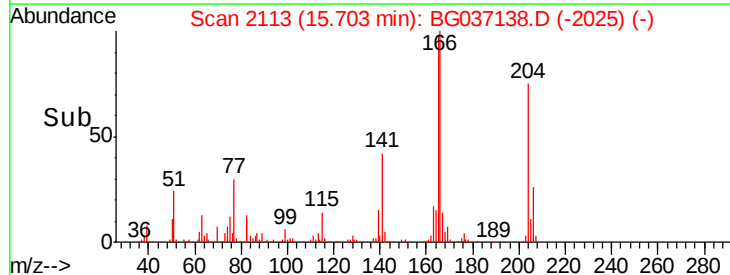
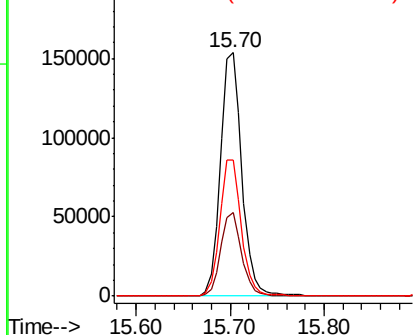


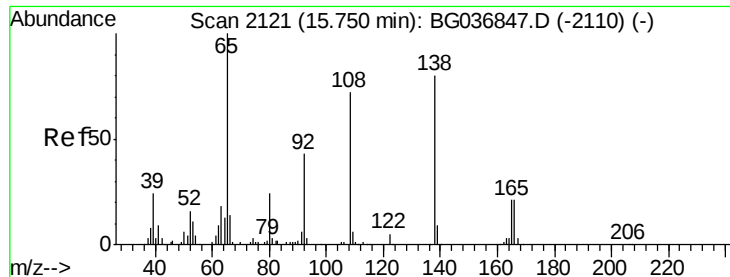
#60
4-Chlorophenyl-phenylether
Concen: 40.589 ng
RT: 15.70 min Scan# 2113
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.2	27.0	40.4
141	56.0	43.8	65.6



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

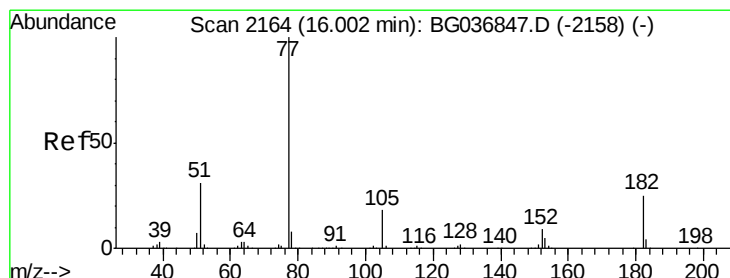
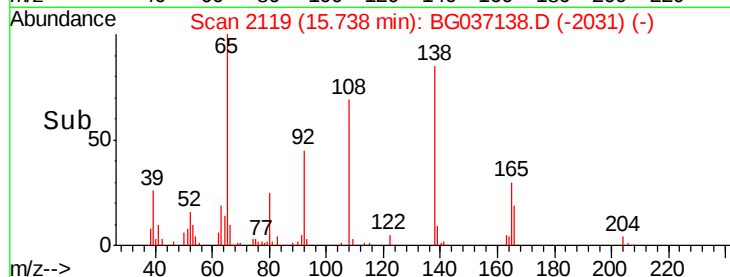
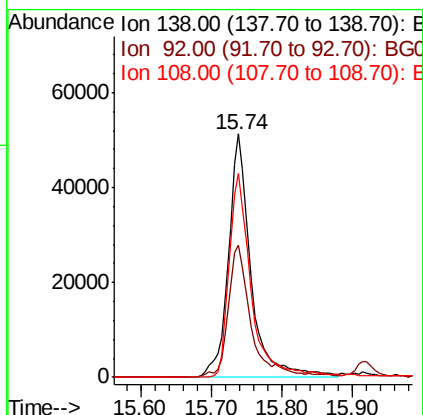
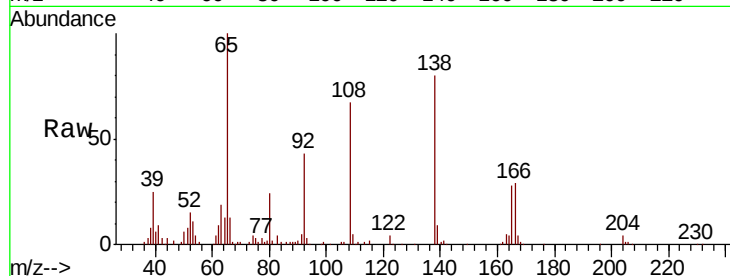




#61
4-Nitroaniline
Concen: 44.167 ng
RT: 15.74 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

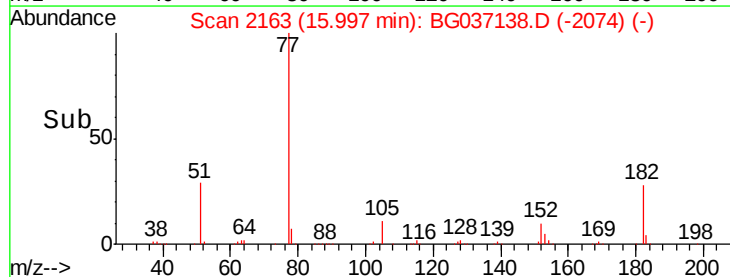
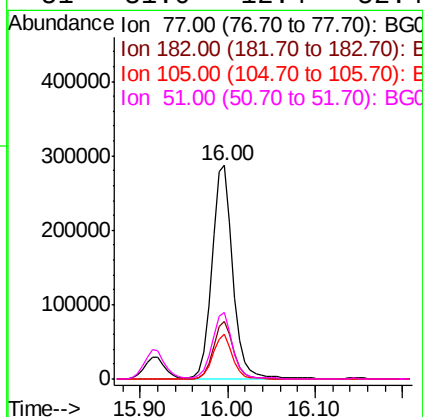
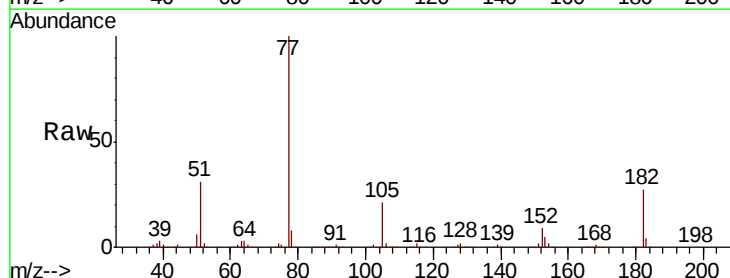
Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2MSD

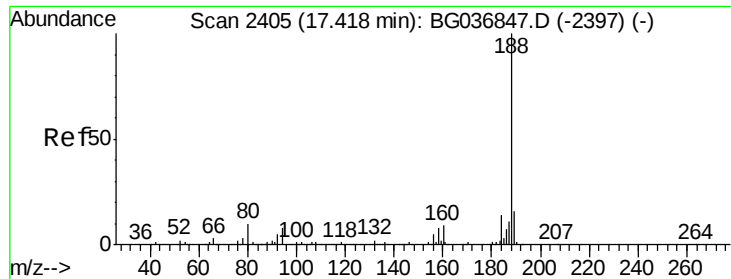
Tgt Ion: 138 Resp: 113507
Ion Ratio Lower Upper
138 100
92 54.1 38.5 78.5
108 83.8 70.3 110.3



#62
Azobenzene
Concen: 45.776 ng
RT: 16.00 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

Tgt Ion: 77 Resp: 471433
Ion Ratio Lower Upper
77 100
182 26.9 6.7 46.7
105 20.9 0.0 39.8
51 31.0 12.4 52.4





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2403

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD

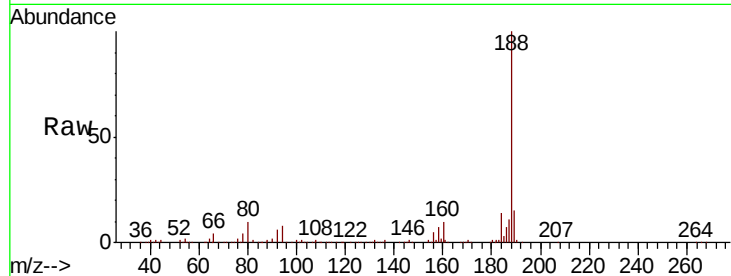
Tgt Ion:188 Resp: 315359

Ion Ratio Lower Upper

188 100

94 8.4 6.7 10.1

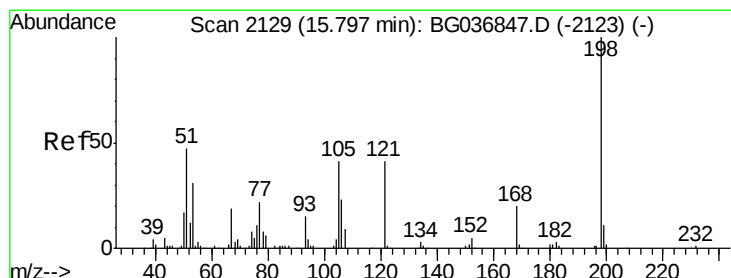
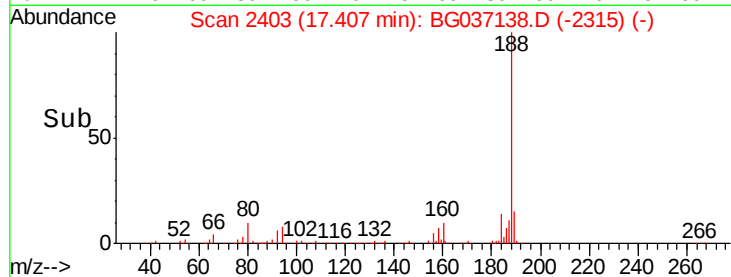
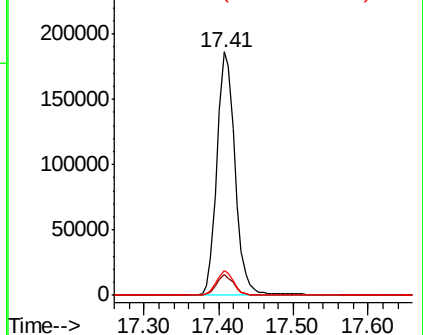
80 10.2 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 46.638 ng

RT: 15.79 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

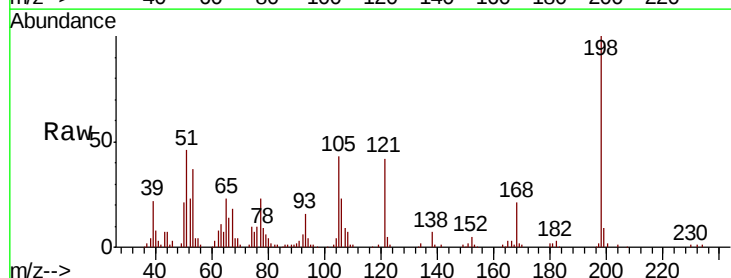
Tgt Ion:198 Resp: 76894

Ion Ratio Lower Upper

198 100

51 45.8 26.5 66.5

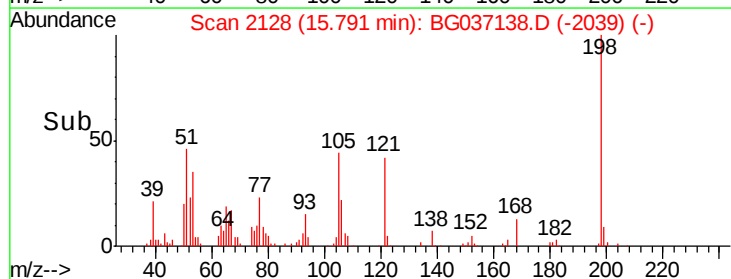
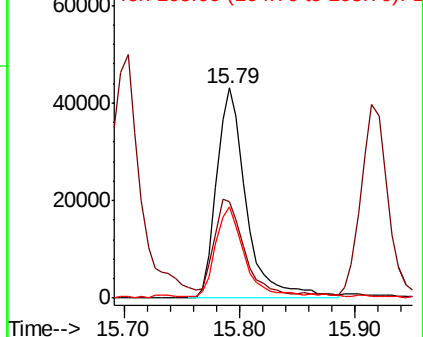
105 43.5 20.2 60.2

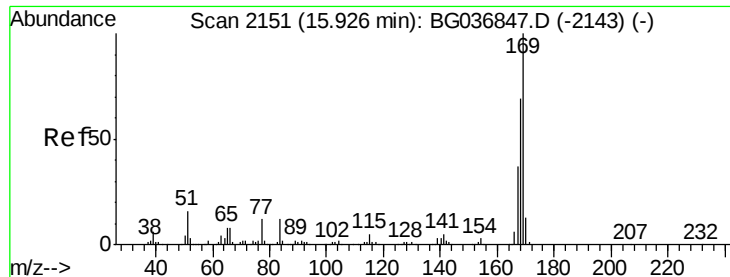


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

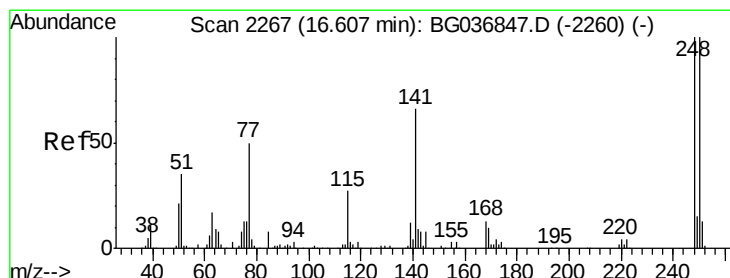
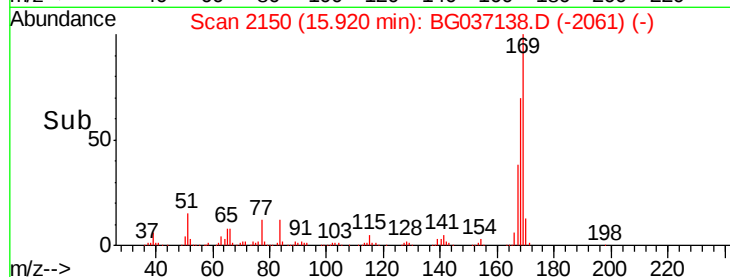
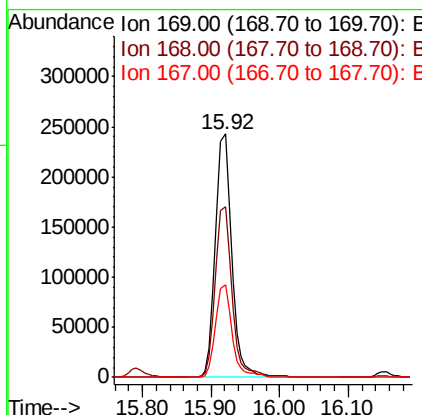
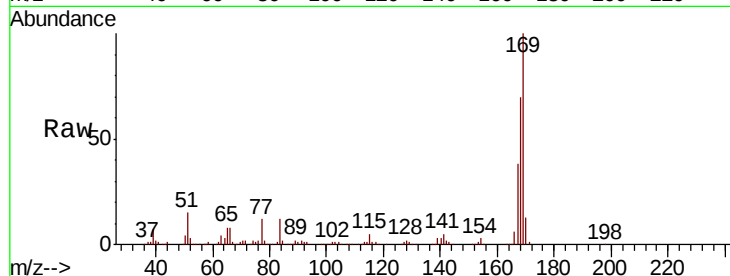




#65
 n-Nitrosodiphenylamine
 Concen: 46.393 ng
 RT: 15.92 min Scan# 2150
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

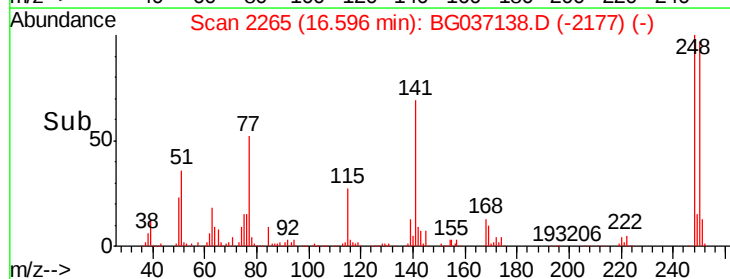
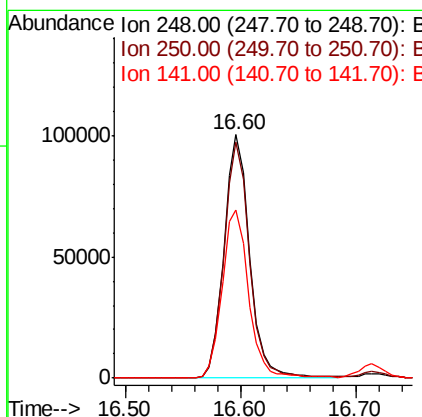
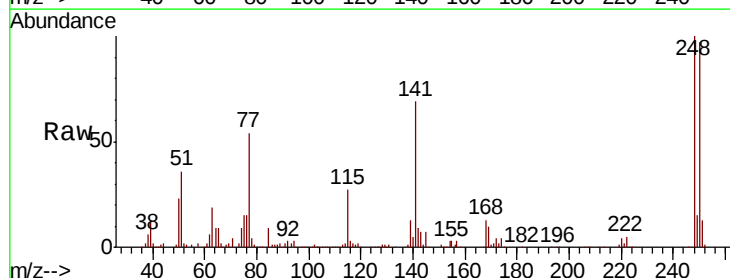
Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2MSD

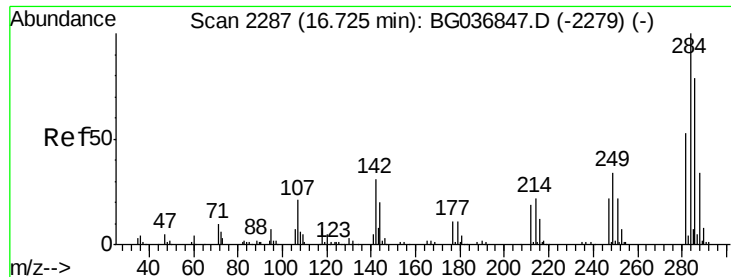
Tgt Ion:169 Resp: 403906
 Ion Ratio Lower Upper
 169 100
 168 70.2 57.6 86.4
 167 38.3 31.0 46.4



#66
 4-Bromophenyl-phenylether
 Concen: 43.119 ng
 RT: 16.60 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Tgt Ion:248 Resp: 154668
 Ion Ratio Lower Upper
 248 100
 250 96.7 78.1 117.1
 141 69.1 53.7 80.5

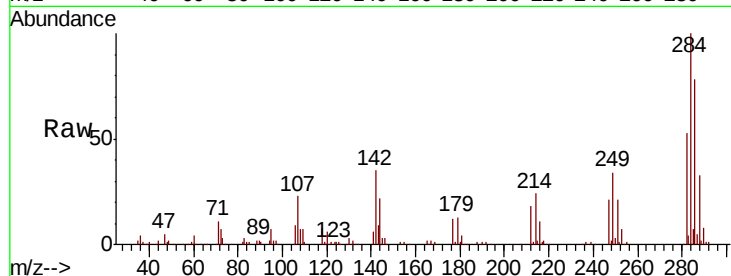




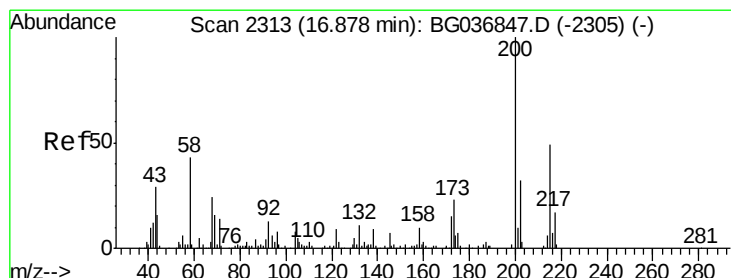
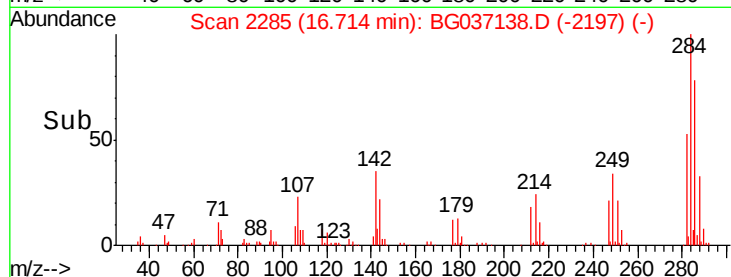
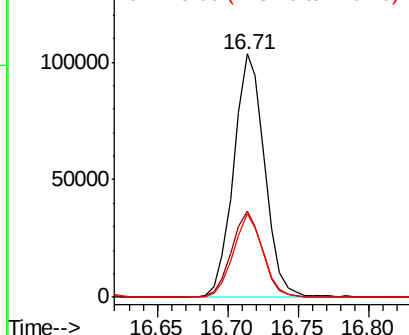
#67
Hexachlorobenzene
Concen: 42.848 ng
RT: 16.71 min Scan# 2285
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2MSD

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.2	27.8	41.6
249	34.4	27.4	41.2

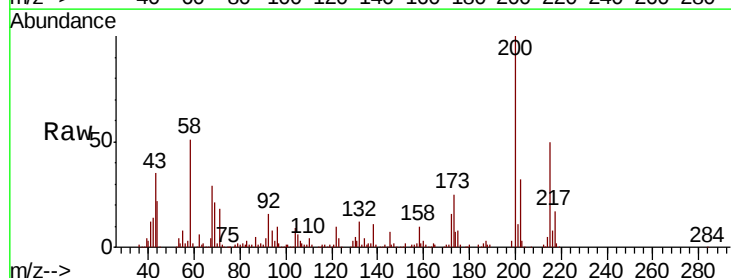


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

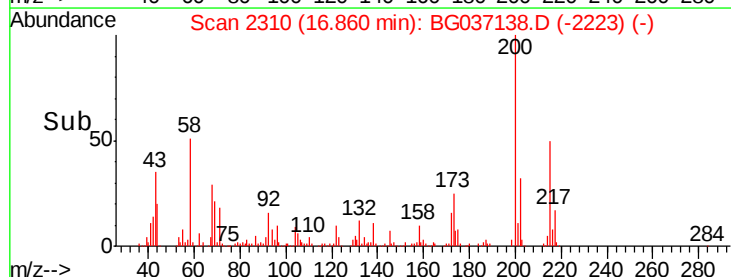
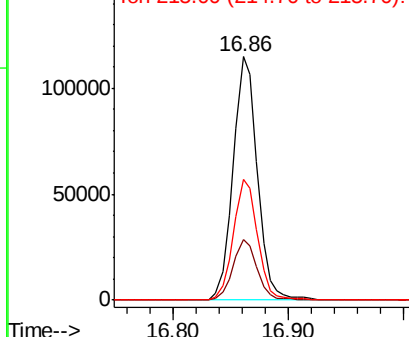


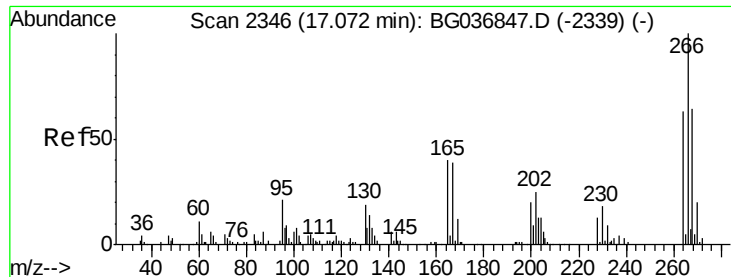
#68
Atrazine
Concen: 47.525 ng
RT: 16.86 min Scan# 2310
Delta R.T. -0.02 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

Tgt Ion	Ratio	Lower	Upper
200	100		
173	24.8	3.9	43.9
215	49.7	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

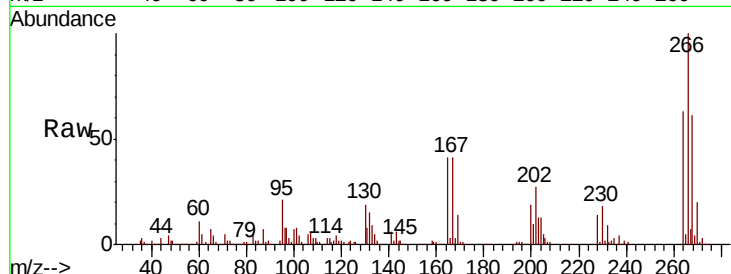




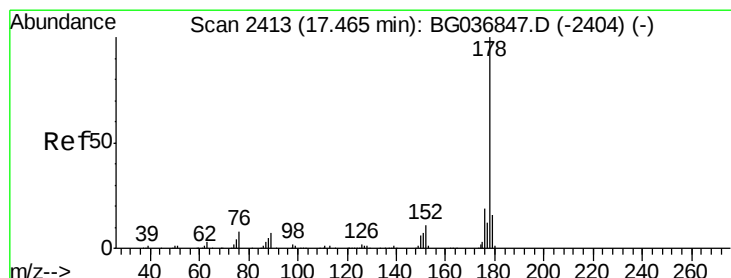
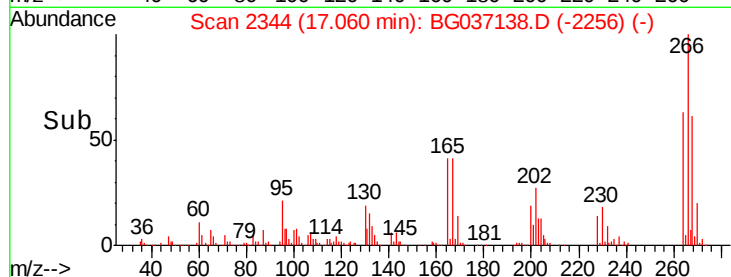
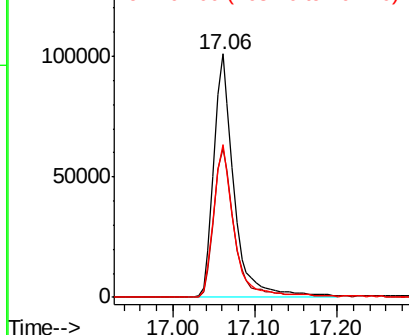
#69
 Pentachlorophenol
 Concen: 75.320 ng
 RT: 17.06 min Scan# 2344
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2MSD

Tgt Ion:266 Resp: 175195
 Ion Ratio Lower Upper
 266 100
 268 61.4 51.4 77.2
 264 62.8 48.9 73.3

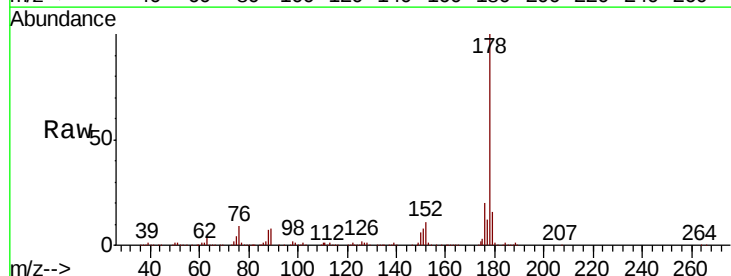


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

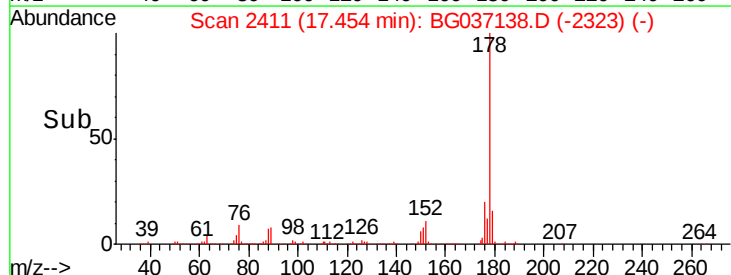
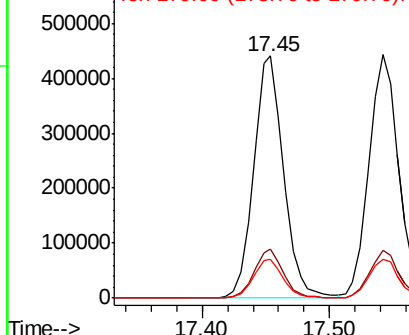


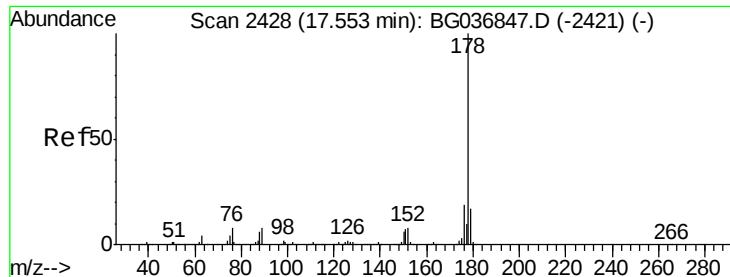
#70
 Phenanthrene
 Concen: 47.526 ng
 RT: 17.45 min Scan# 2411
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Tgt Ion:178 Resp: 722251
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.4 23.2
 179 16.2 13.4 20.2



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

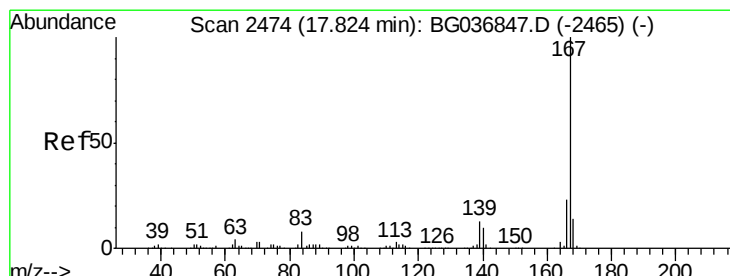
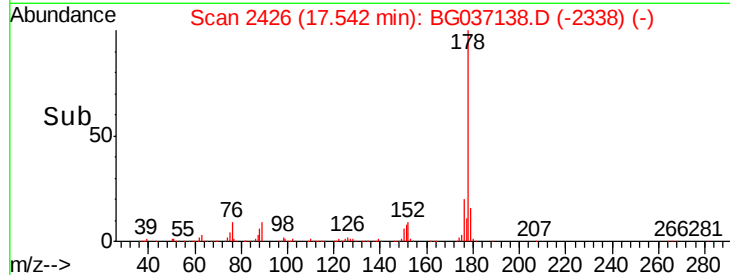
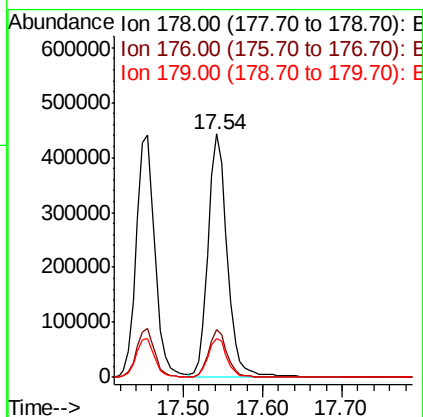
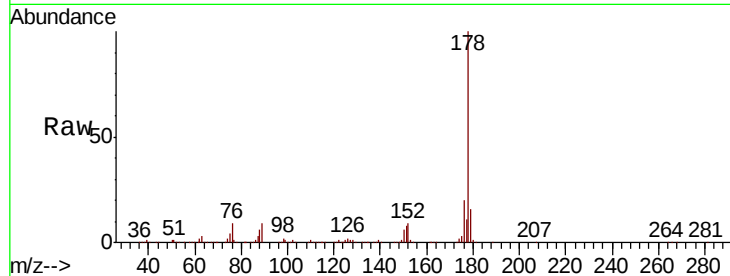




#71
 Anthracene
 Concen: 49.399 ng
 RT: 17.54 min Scan# 2426
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

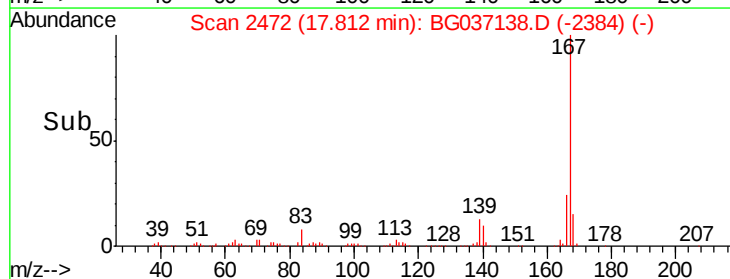
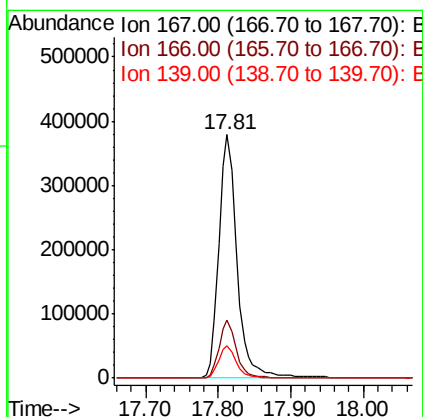
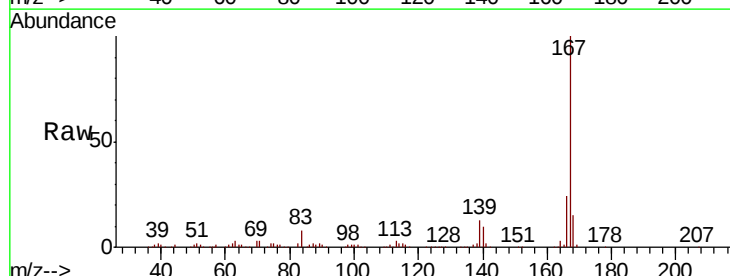
Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2MSD

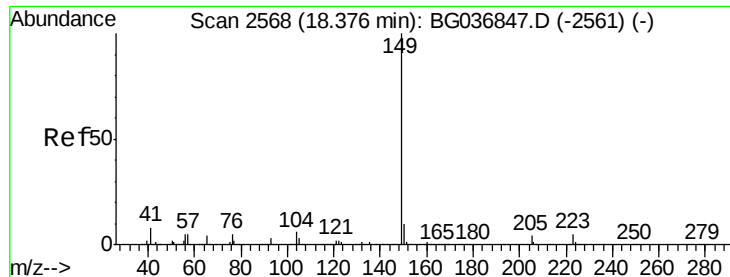
Tgt Ion:178 Resp: 742317
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.2
 179 16.2 13.0 19.4



#72
 Carbazole
 Concen: 45.495 ng
 RT: 17.81 min Scan# 2472
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Tgt Ion:167 Resp: 666557
 Ion Ratio Lower Upper
 167 100
 166 23.7 19.5 29.3
 139 13.1 10.7 16.1

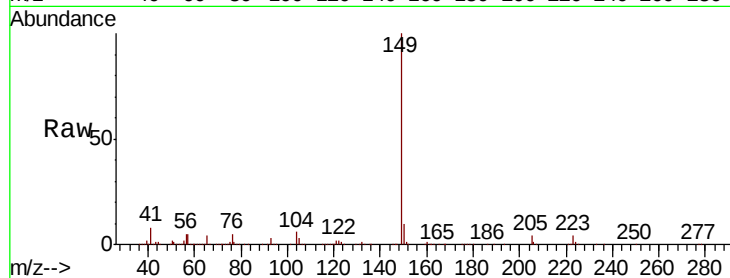




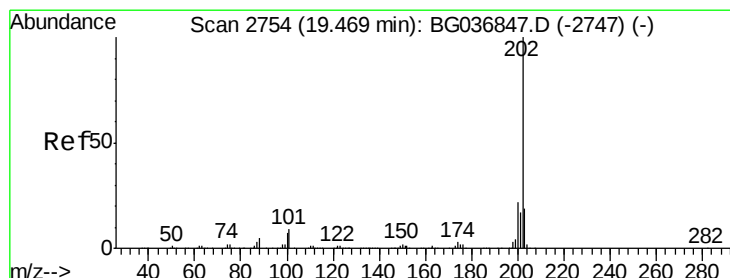
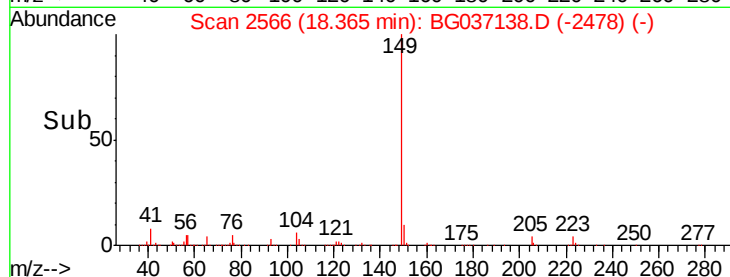
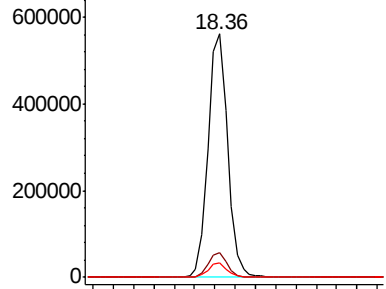
#73
Di-n-butylphthalate
Concen: 46.435 ng
RT: 18.36 min Scan# 2566
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2MSD

Tgt Ion:149 Resp: 75528
Ion Ratio Lower Upper
149 100
150 10.1 8.1 12.1
104 5.8 4.6 6.8

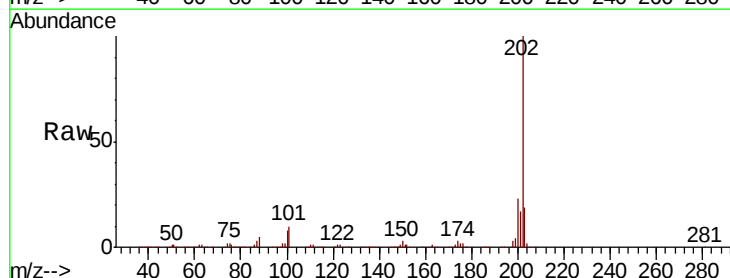


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

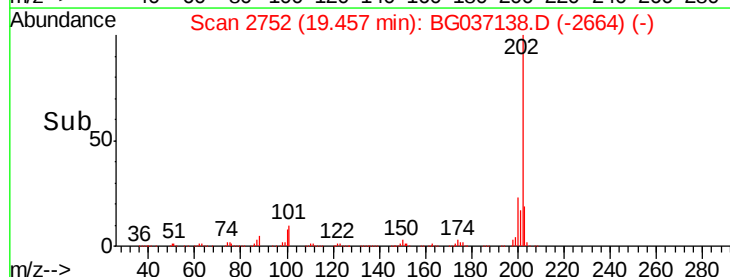
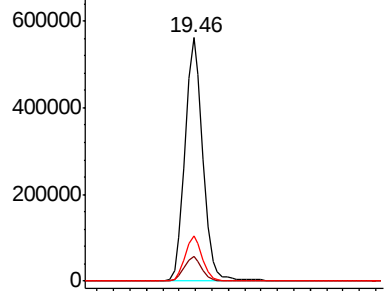


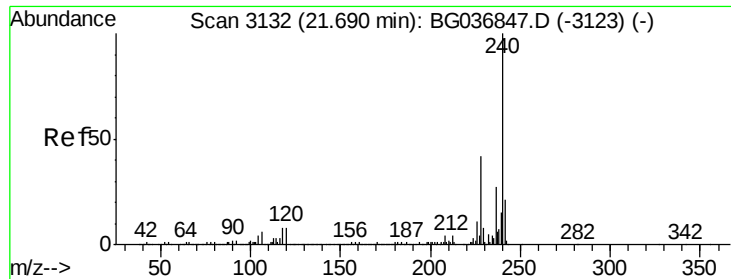
#74
Fluoranthene
Concen: 46.855 ng
RT: 19.46 min Scan# 2752
Delta R.T. -0.01 min
Lab File: BG037138.D
Acq: 3 Oct 2018 18:02

Tgt Ion:202 Resp: 857113
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.4
203 18.7 0.0 38.9



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: 21.68 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD

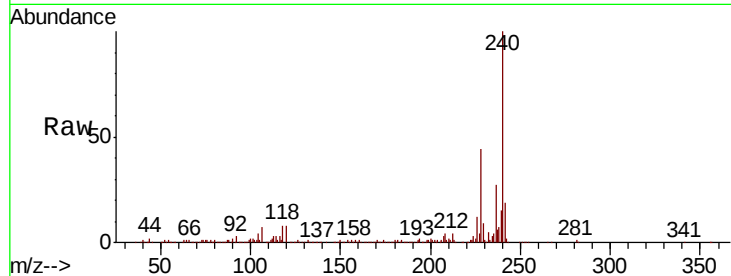
Tgt Ion:240 Resp: 301867

Ion Ratio Lower Upper

240 100

120 8.5 6.9 10.3

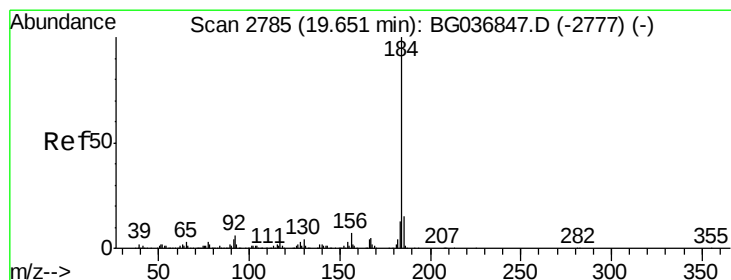
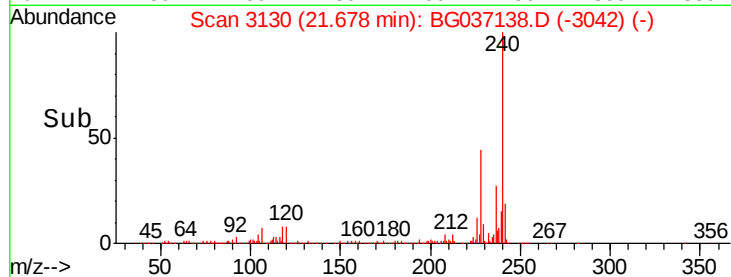
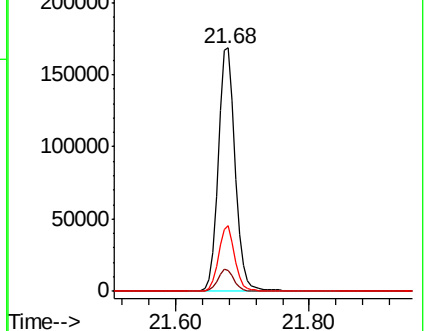
236 26.7 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 29.692 ng

RT: 19.64 min Scan# 2783

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

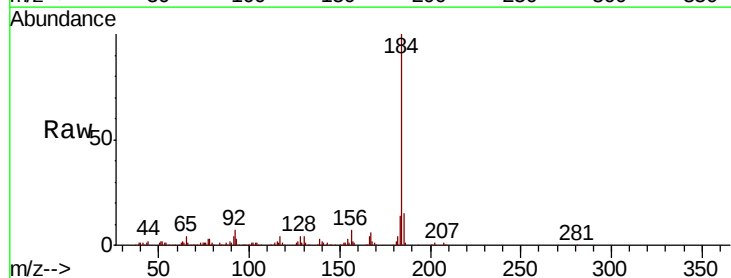
Tgt Ion:184 Resp: 270948

Ion Ratio Lower Upper

184 100

185 15.3 12.6 18.8

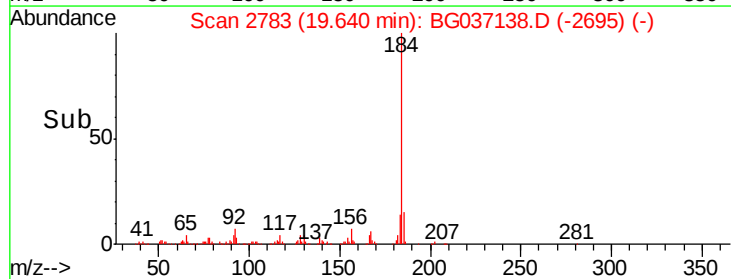
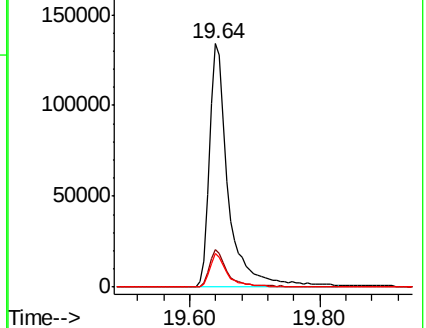
183 13.6 10.9 16.3

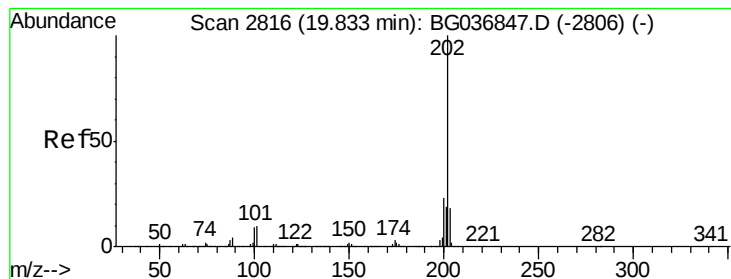


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

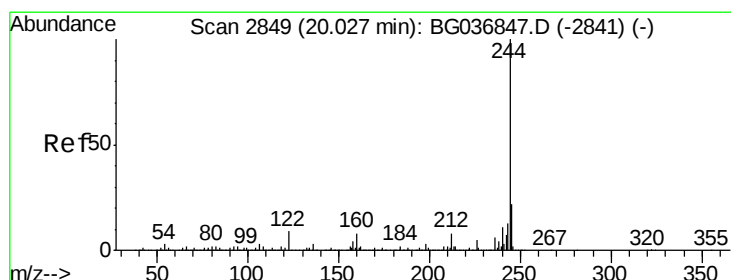
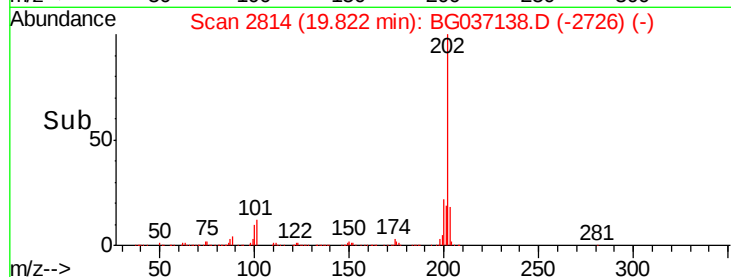
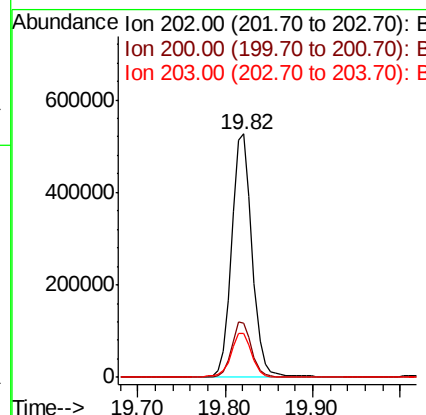
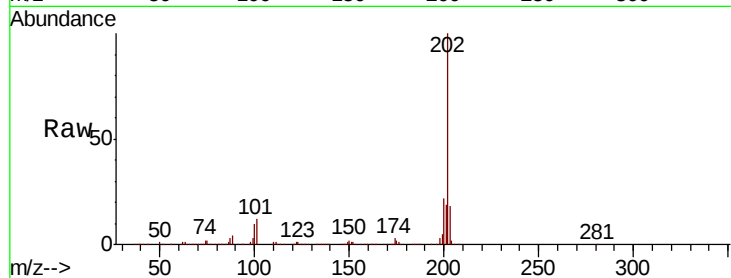




#77
 Pyrene
 Concen: 46.478 ng
 RT: 19.82 min Scan# 2814
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

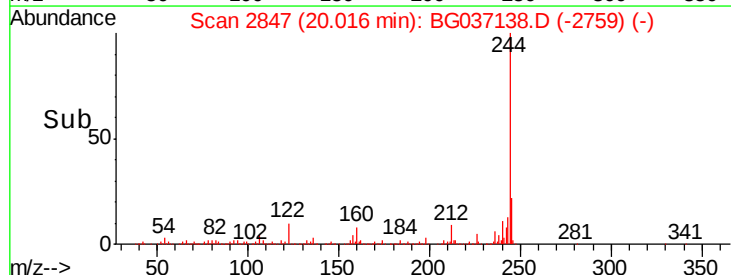
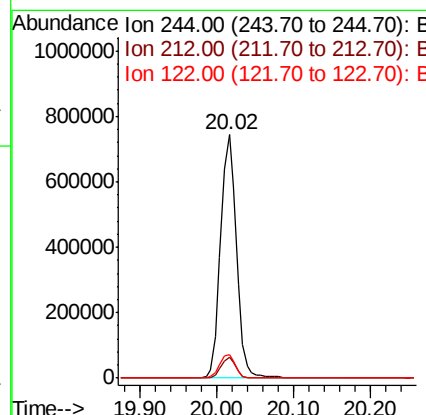
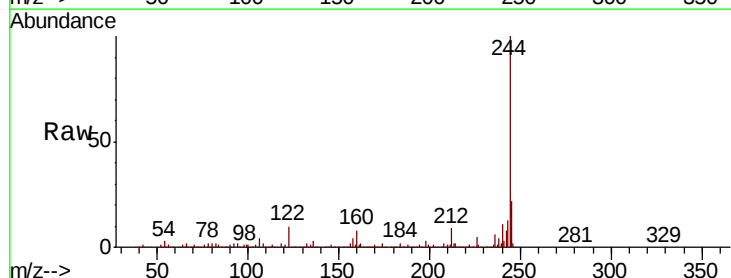
Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2MSD

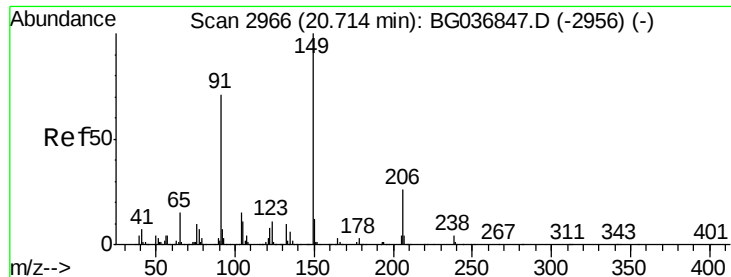
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.3	27.5
203	18.0	15.1	22.7



#78
 Terphenyl-d14
 Concen: 91.912 ng
 RT: 20.02 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.0	10.6
122	9.9	7.1	10.7





#79

Butylbenzylphthalate

Concen: 48.990 ng

RT: 20.70 min Scan# 2964

Delta R.T. -0.01 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD

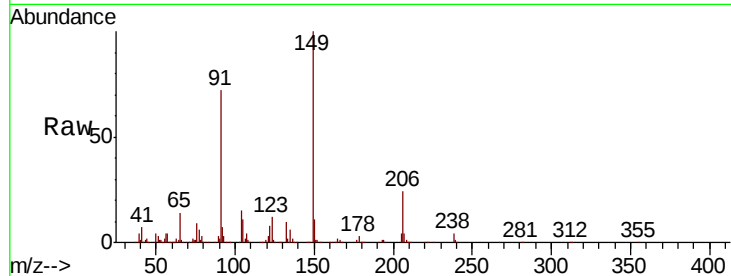
Tgt Ion:149 Resp: 353723

Ion Ratio Lower Upper

149 100

91 72.2 62.0 93.0

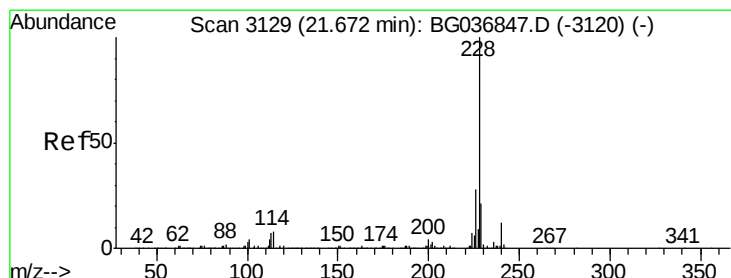
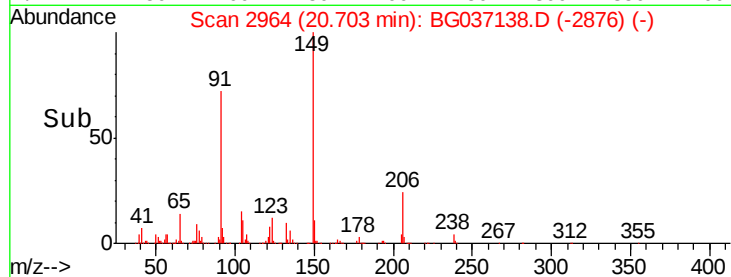
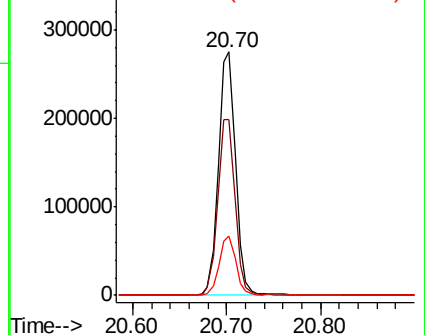
206 24.1 19.6 29.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 46.627 ng

RT: 21.65 min Scan# 3126

Delta R.T. -0.02 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

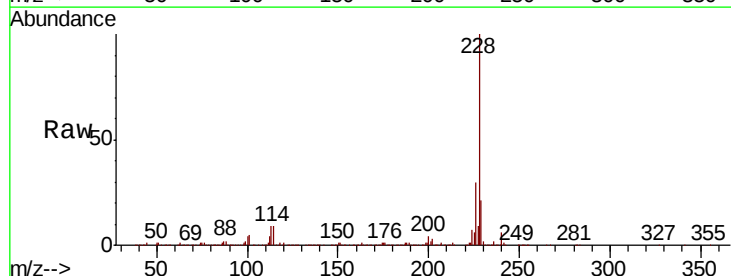
Tgt Ion:228 Resp: 821628

Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.2

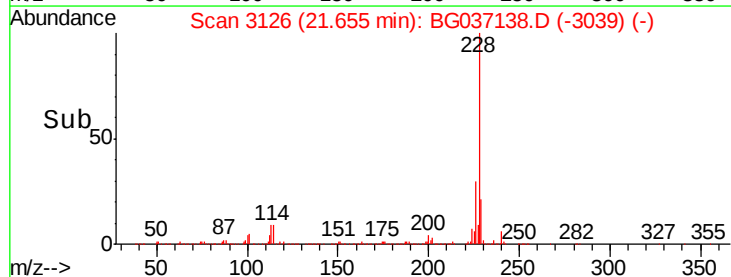
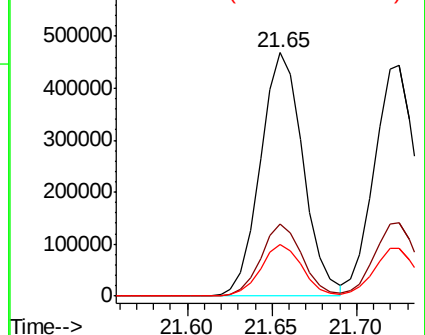
229 21.0 17.1 25.7

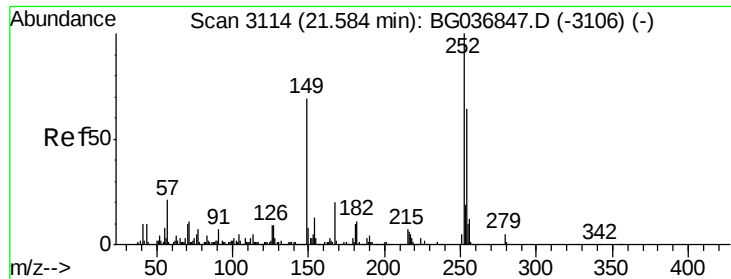


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

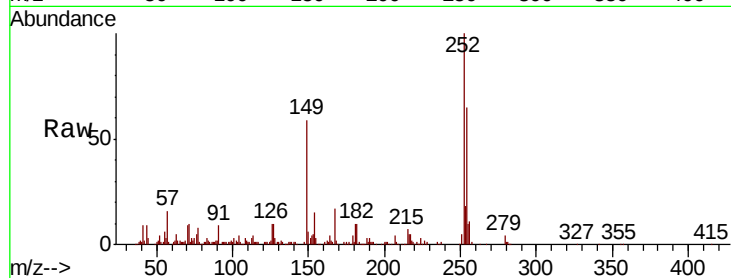




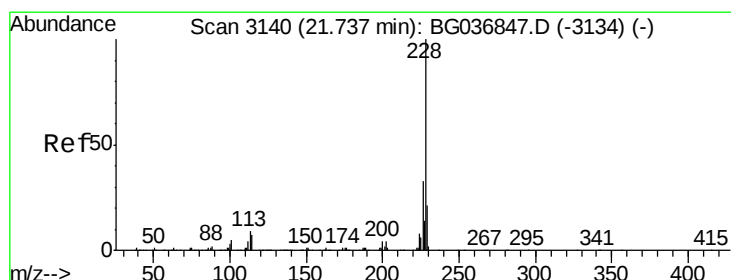
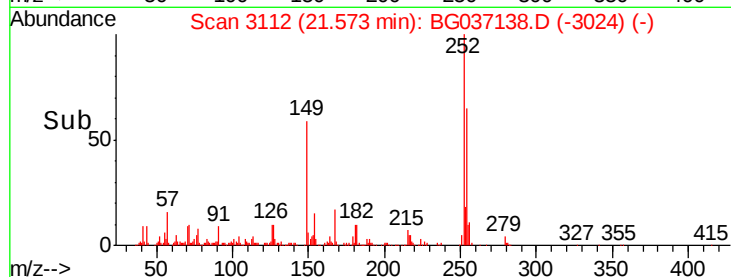
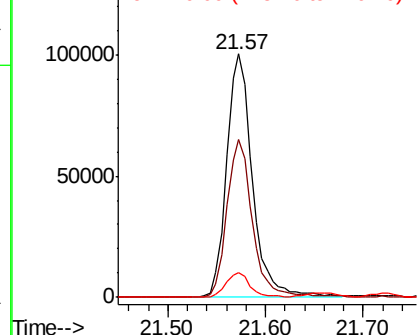
#81
 3,3'-Dichlorobenzidine
 Concen: 27.417 ng
 RT: 21.57 min Scan# 3112
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2MSD

Tgt Ion:252 Resp: 183896
 Ion Ratio Lower Upper
 252 100
 254 65.0 51.0 76.4
 126 10.4 7.4 11.0

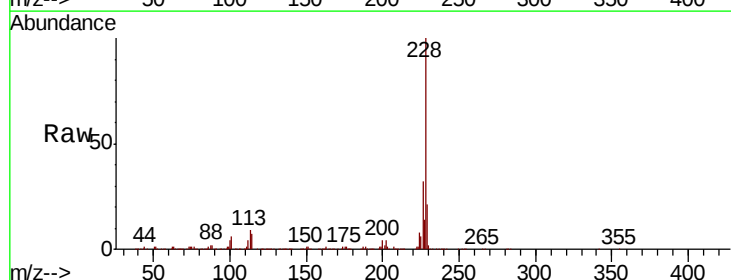


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

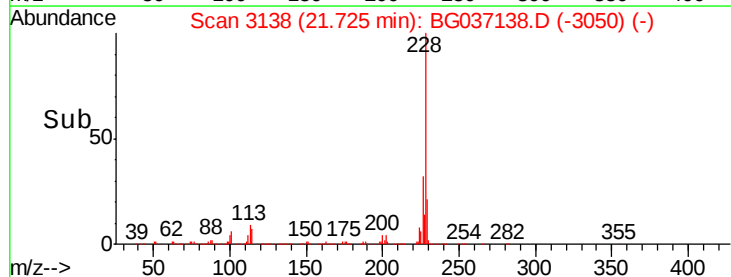
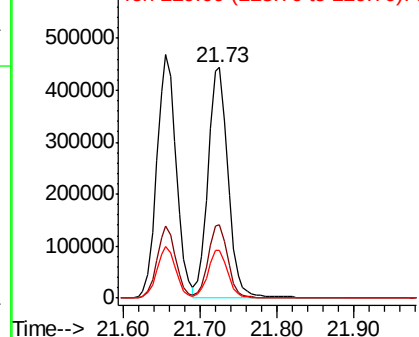


#82
 Chrysene
 Concen: 46.609 ng
 RT: 21.73 min Scan# 3138
 Delta R.T. -0.01 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Tgt Ion:228 Resp: 793553
 Ion Ratio Lower Upper
 228 100
 226 32.0 25.5 38.3
 229 20.5 16.9 25.3



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

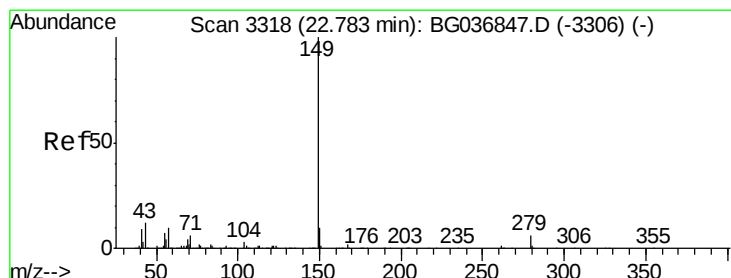
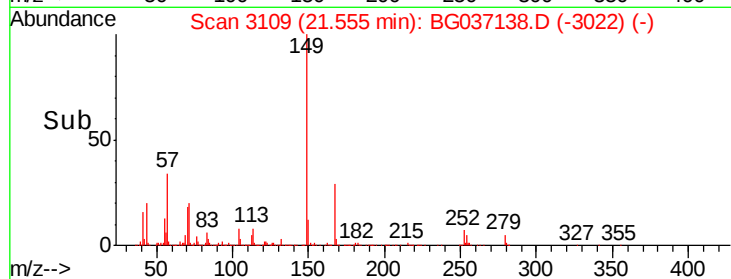
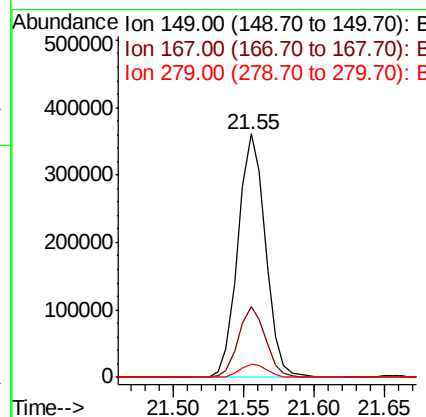
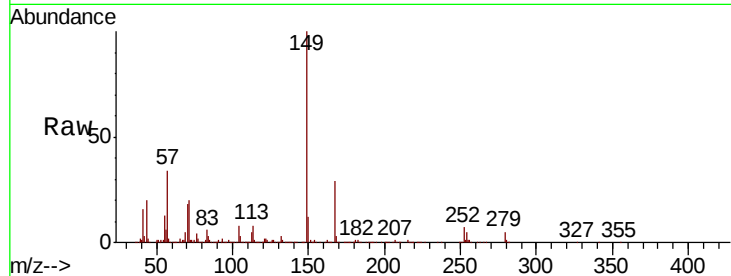




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 48.663 ng
 RT: 21.55 min Scan# 3109
 Delta R.T. -0.02 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

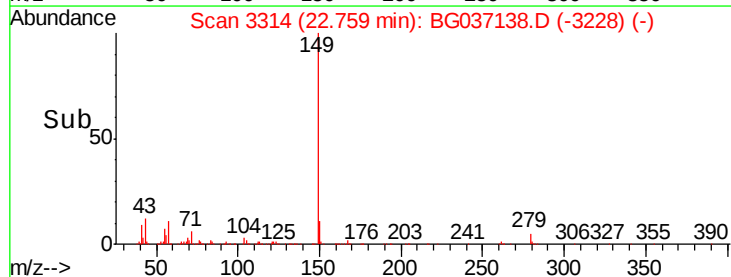
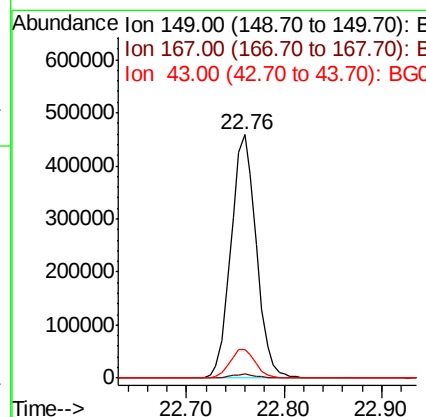
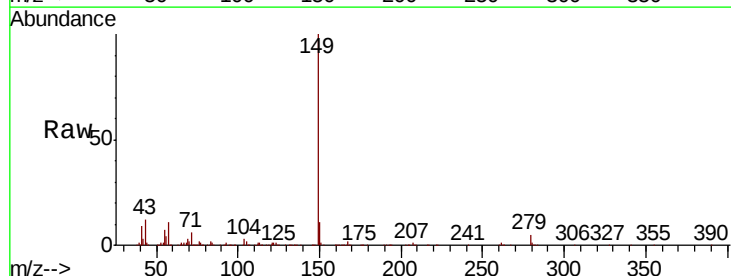
Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2MSD

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.1	23.4	35.0
279	5.2	4.6	7.0



#84
 Di-n-octyl phthalate
 Concen: 49.687 ng
 RT: 22.76 min Scan# 3314
 Delta R.T. -0.02 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	12.1	10.0	15.0

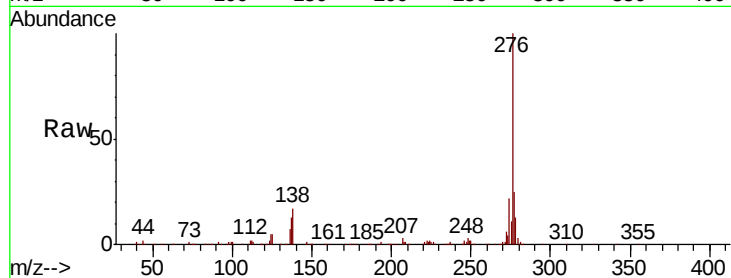




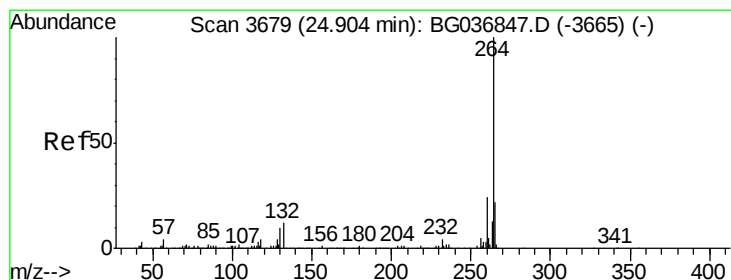
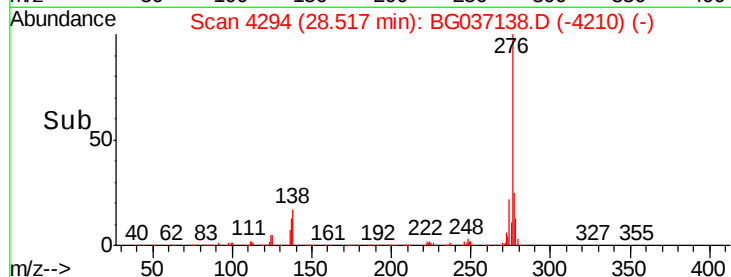
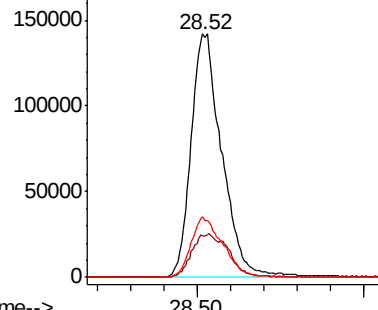
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 49.678 ng
 RT: 28.52 min Scan# 4294
 Delta R.T. -0.03 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2MSD

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.4	10.6	15.8
277	25.6	20.6	30.8

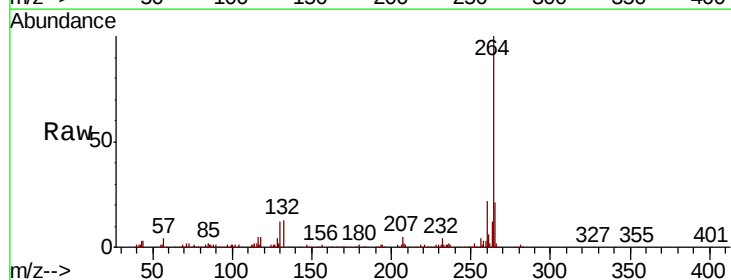


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

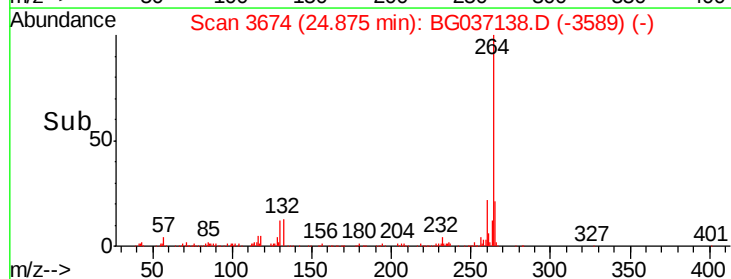
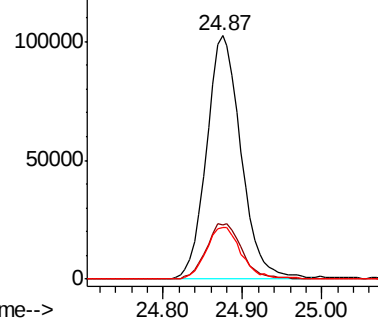


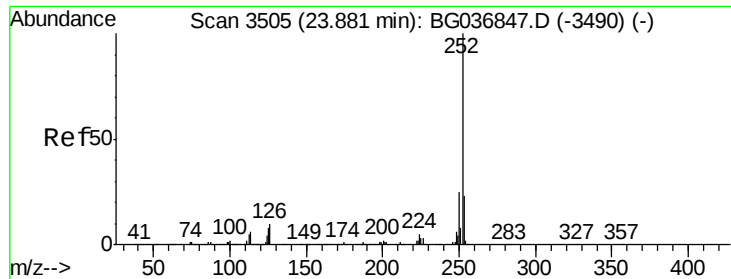
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.87 min Scan# 3674
 Delta R.T. -0.03 min
 Lab File: BG037138.D
 Acq: 3 Oct 2018 18:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.6	29.4
265	21.2	17.4	26.0



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 48.234 ng

RT: 23.86 min Scan# 3501

Delta R.T. -0.02 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD

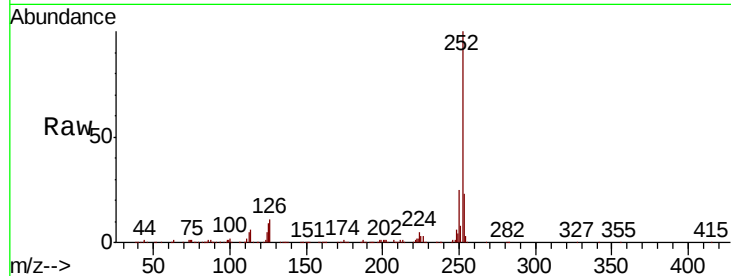
Tgt Ion:252 Resp: 793434

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

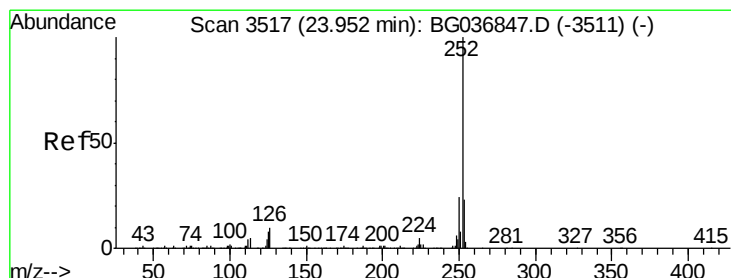
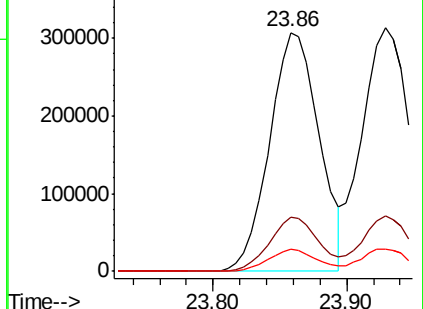
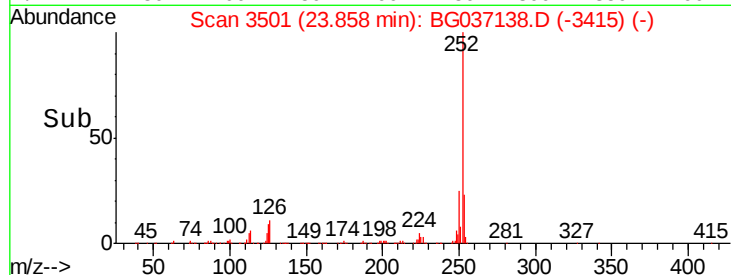
125 9.1 6.6 10.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 48.356 ng

RT: 23.93 min Scan# 3513

Delta R.T. -0.02 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

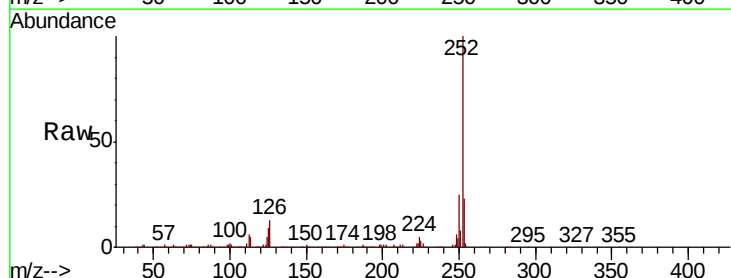
Tgt Ion:252 Resp: 798025

Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

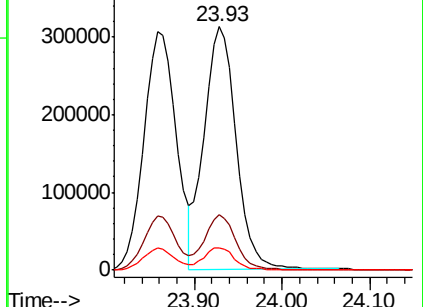
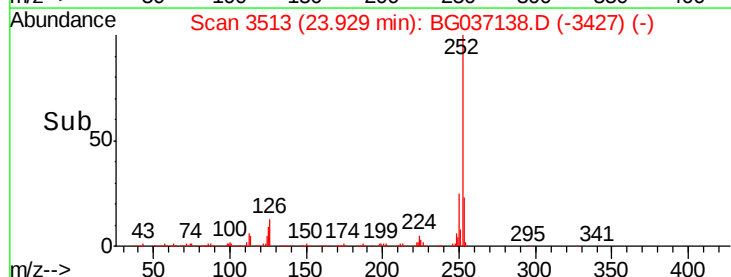
125 8.9 7.0 10.6

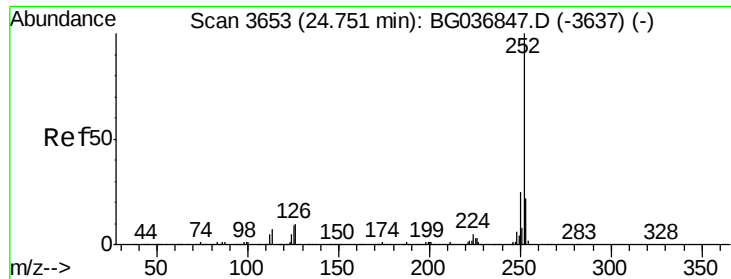


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 49.281 ng

RT: 24.73 min Scan# 3649

Delta R.T. -0.02 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD

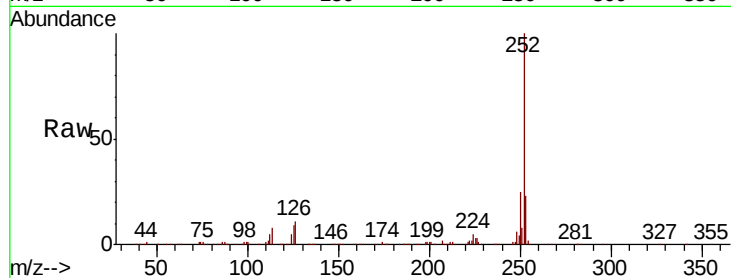
Tgt Ion:252 Resp: 783724

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

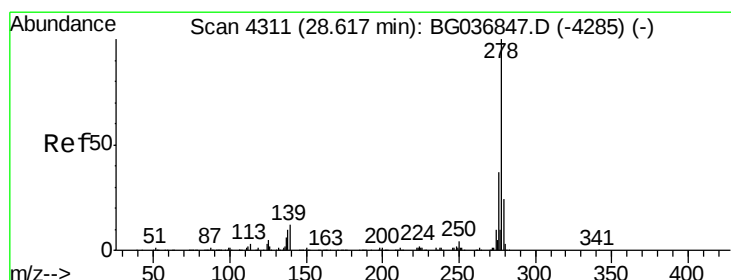
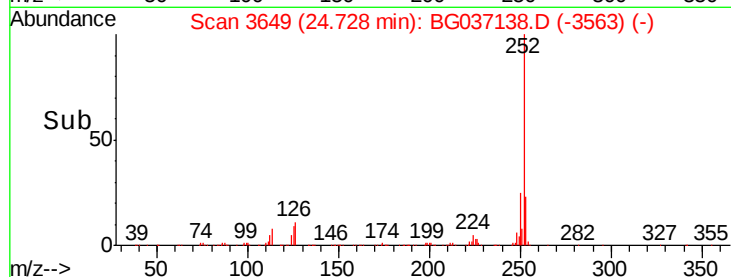
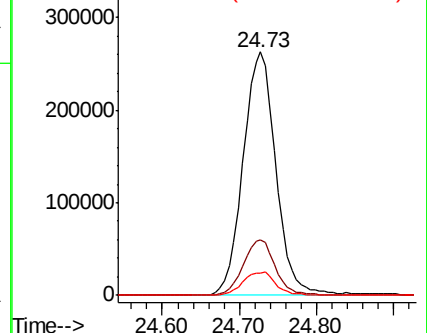
125 9.4 7.3 10.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 49.112 ng

RT: 28.58 min Scan# 4305

Delta R.T. -0.03 min

Lab File: BG037138.D

Acq: 3 Oct 2018 18:02

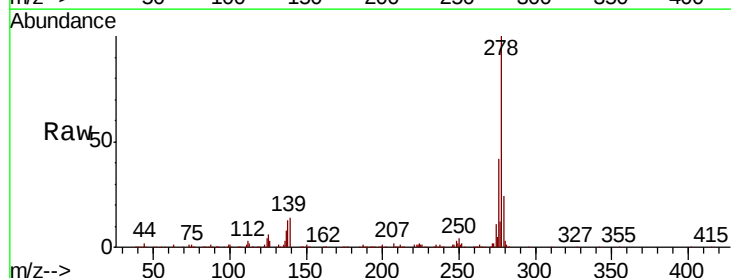
Tgt Ion:278 Resp: 731987

Ion Ratio Lower Upper

278 100

139 14.3 11.0 16.4

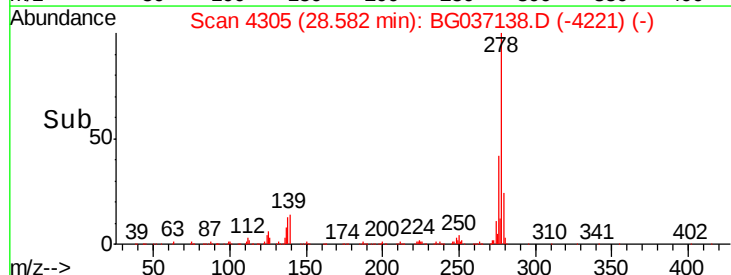
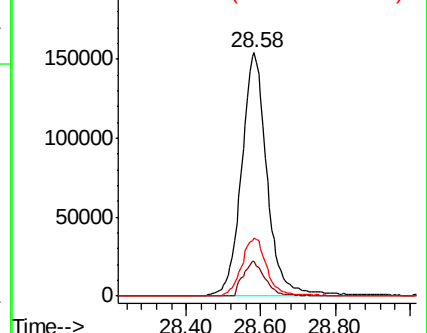
279 24.1 18.7 28.1

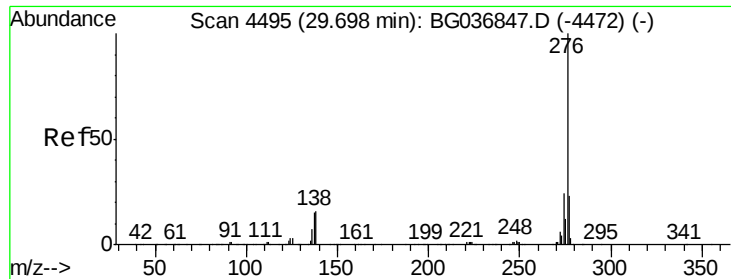


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 50.081 ng

RT: 29.66 min Scan# 4488

Delta R.T. -0.04 min

Lab File: BG037138.D

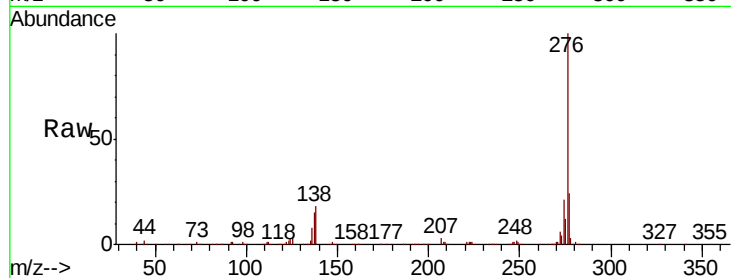
Acq: 3 Oct 2018 18:02

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2MSD



Tgt Ion:	276	Resp:	749124
Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.4	27.6
138	18.0	14.6	22.0

