

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100518\
 Data File : BG037165.D
 Acq On : 4 Oct 2018 21:24
 Operator : JU/SJ
 Sample : J5212-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-1

Quant Time: Oct 05 01:42:54 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

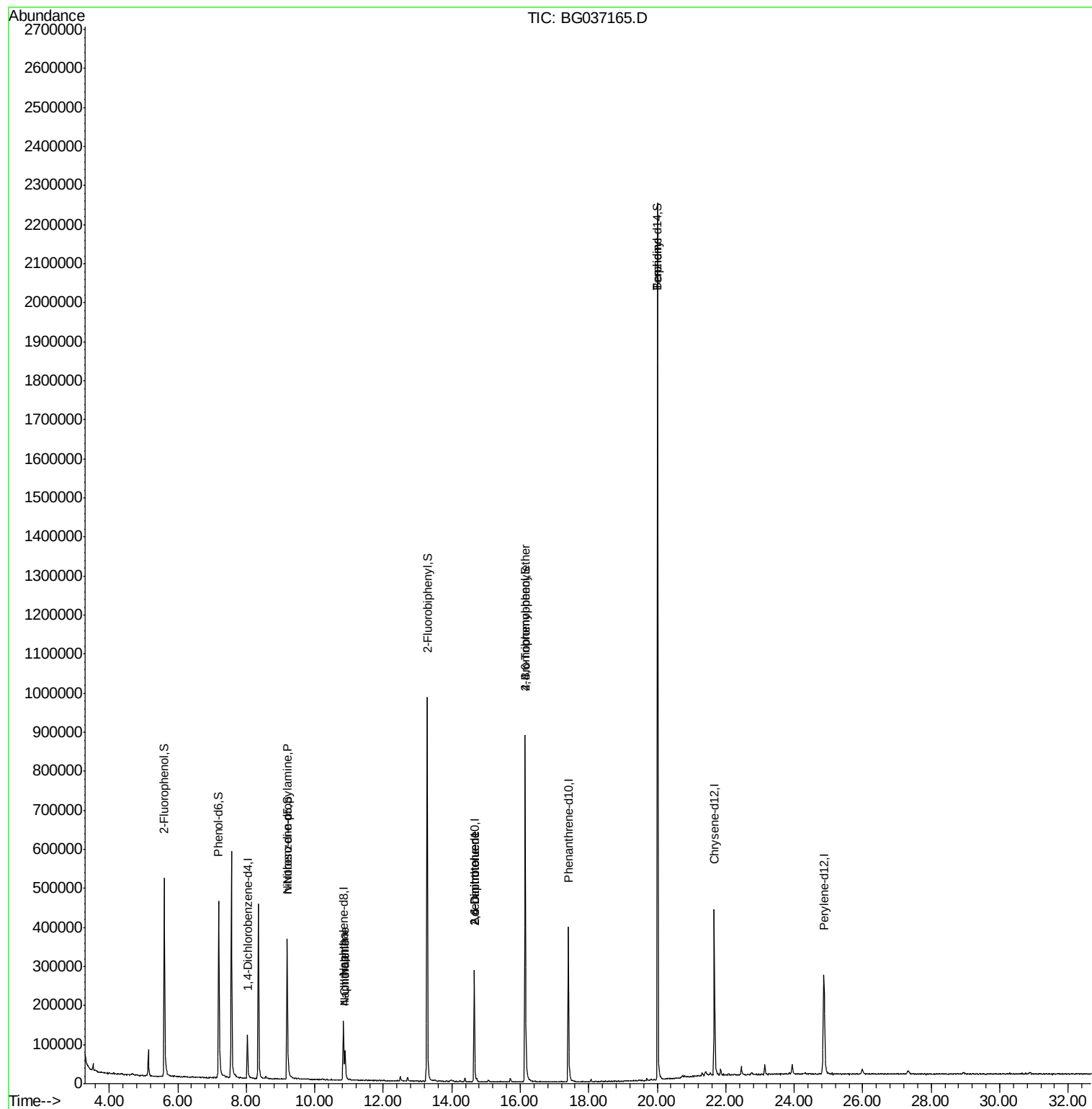
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	37485	20.00	ng	-0.01
21) Naphthalene-d8	10.84	136	152241	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	104927	20.00	ng	-0.02
63) Phenanthrene-d10	17.40	188	281715	20.00	ng	-0.02
75) Chrysene-d12	21.67	240	293576	20.00	ng	-0.02
86) Perylene-d12	24.86	264	287040	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	245542	125.62	ng	-0.02
7) Phenol-d6	7.20	99	304643	100.74	ng	-0.02
23) Nitrobenzene-d5	9.19	82	266526	93.75	ng	-0.02
41) 2,4,6-Tribromophenol	16.14	330	170035	135.44	ng	-0.02
44) 2-Fluorobiphenyl	13.28	172	575802	81.73	ng	-0.02
78) Terphenyl-d14	20.01	244	1082159	96.93	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	35925	14.280	ng	Qvalue # 74
31) Naphthalene	10.88	128	67056	9.257	ng	# 99
33) 4-Chloroaniline	10.88	127	9109	2.766	ng	# 34
50) 2,6-Dinitrotoluene	14.66	165	13597	7.379	ng	# 20
56) 2,4-Dinitrotoluene	14.66	165	13597	5.288	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	12058	3.763	ng	# 1
76) Benzidine	20.01	184	18908	2.131	ng	# 89

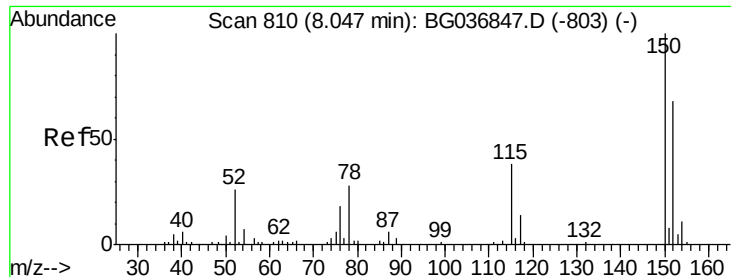
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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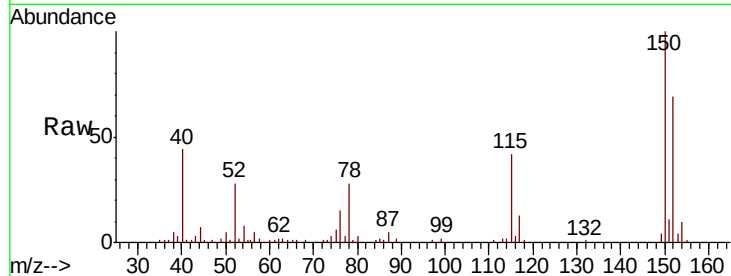


#1

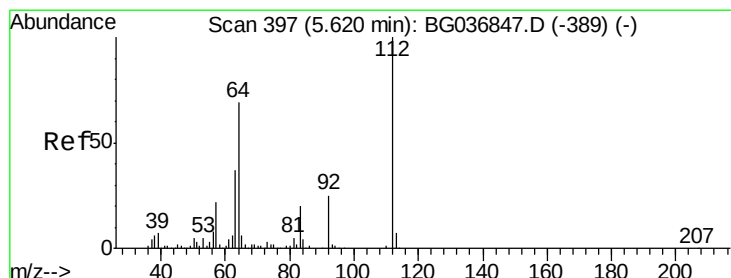
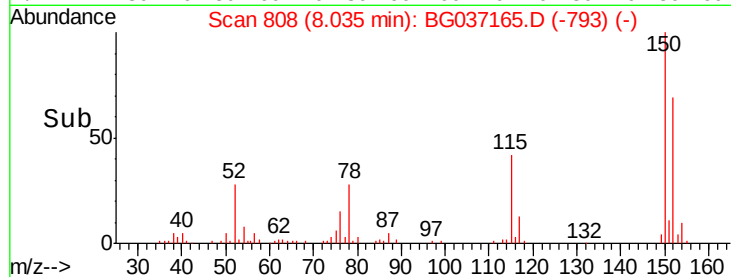
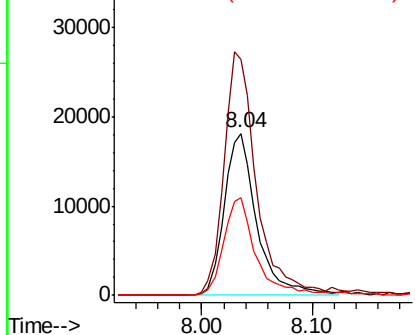
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BG037165.D
 Acq: 4 Oct 2018 21:24

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	145.4	119.5	179.3
115	60.4	44.5	66.7



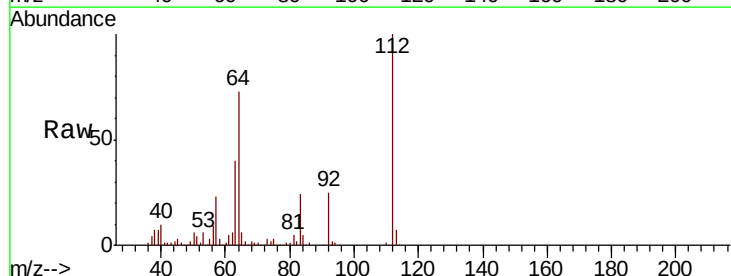
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



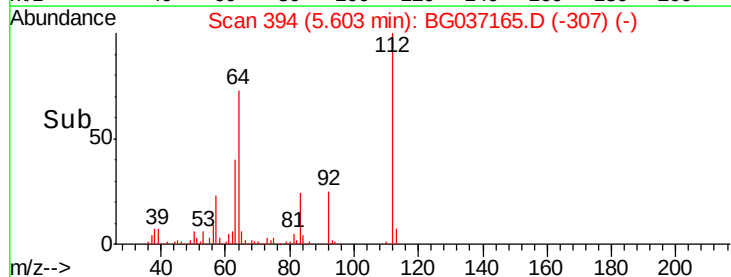
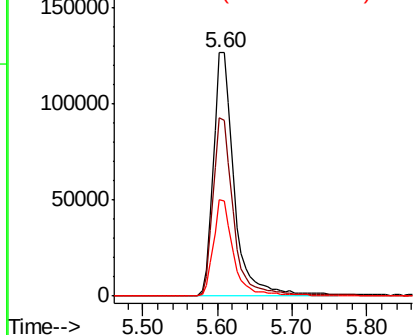
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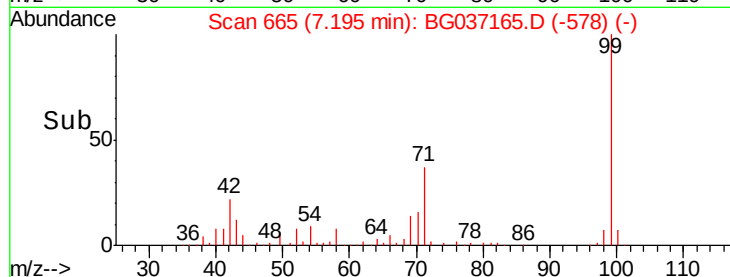
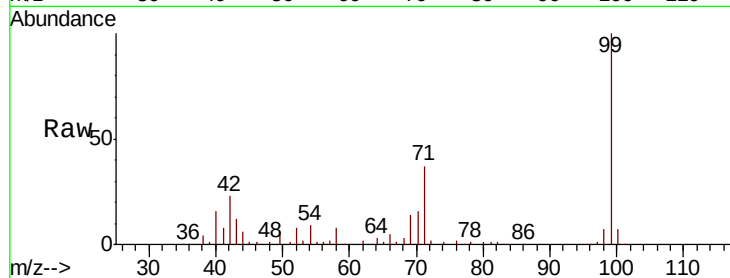
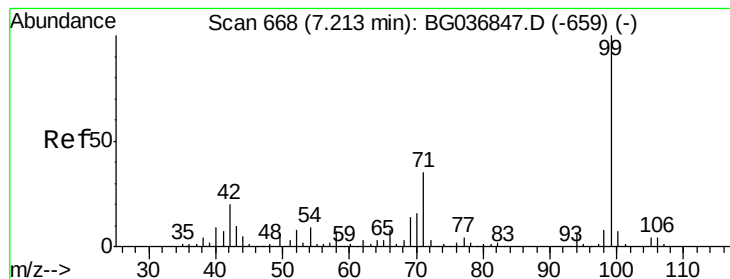
2-Fluorophenol
 Concen: 125.623 ng
 RT: 5.60 min Scan# 394
 Delta R.T. -0.02 min
 Lab File: BG037165.D
 Acq: 4 Oct 2018 21:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.0	57.2	85.8
63	39.8	30.8	46.2



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





#7

Phenol-d6

Concen: 100.738 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.02 min

Lab File: BG037165.D

Acq: 4 Oct 2018 21:24

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-1

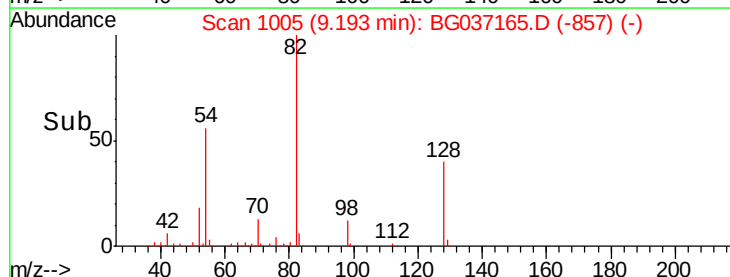
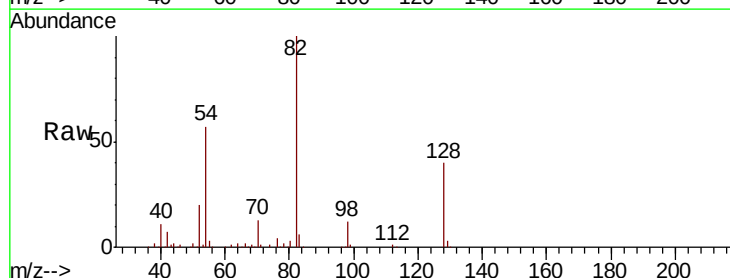
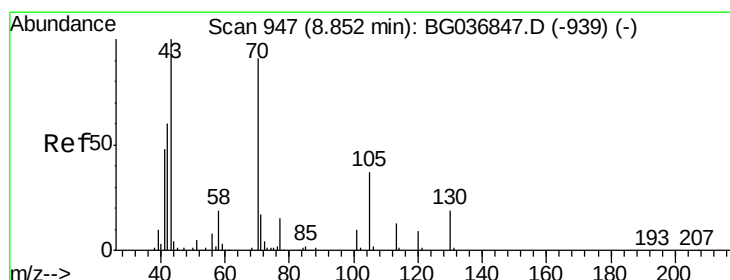
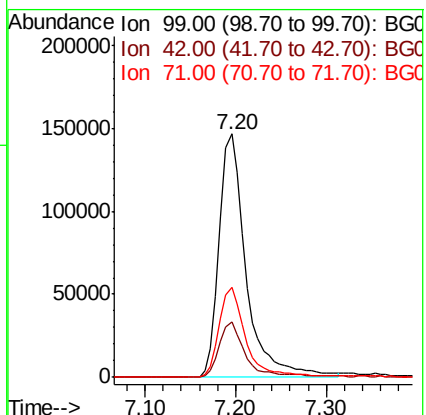
Tgt Ion: 99 Resp: 304643

Ion Ratio Lower Upper

99 100

42 22.5 16.5 24.7

71 36.8 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.280 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.34 min

Lab File: BG037165.D

Acq: 4 Oct 2018 21:24

Tgt Ion: 70 Resp: 35925

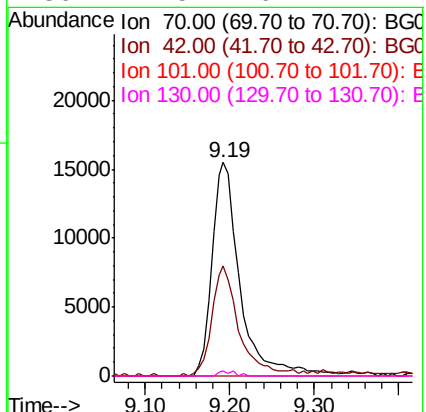
Ion Ratio Lower Upper

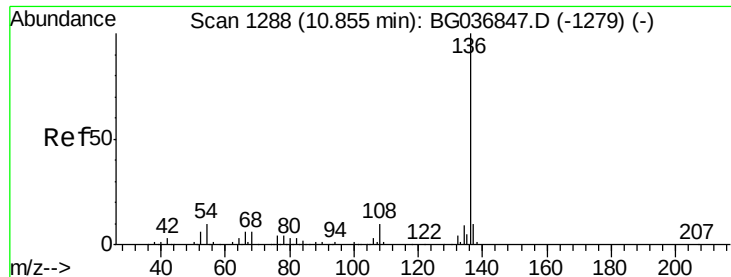
70 100

42 51.5 56.2 84.4#

101 0.0 7.8 11.6#

130 2.5 16.2 24.2#

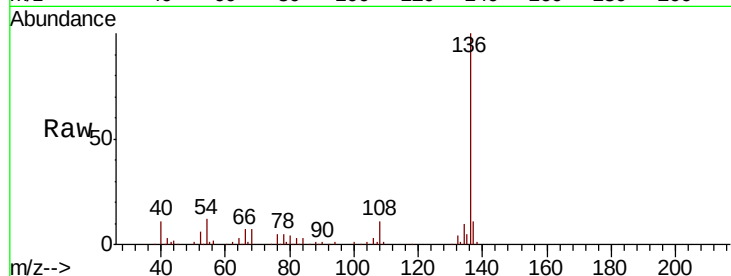




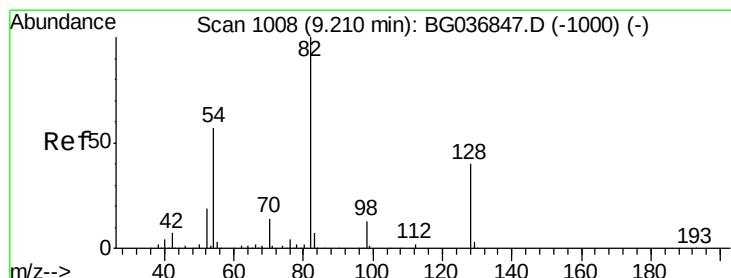
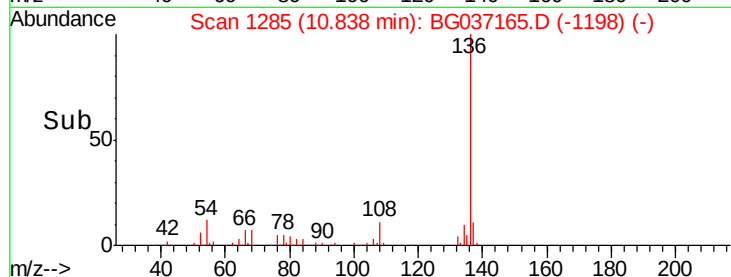
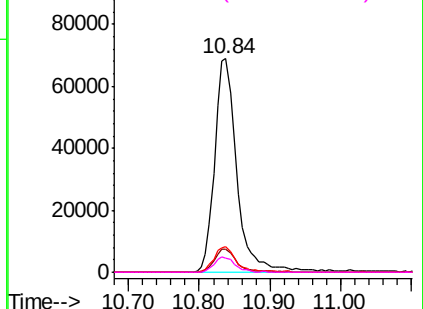
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BG037165.D
Acq: 4 Oct 2018 21:24

Instrument :
BNA_G
ClientSampleId :
CG-SOIL-1

Tgt Ion:	136	Resp:	152241
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	11.8	9.2	13.8
68	6.8	5.8	8.6

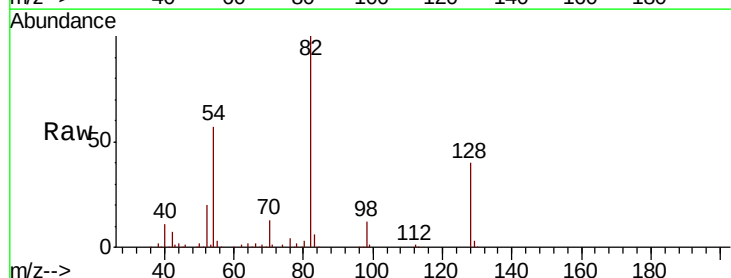


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

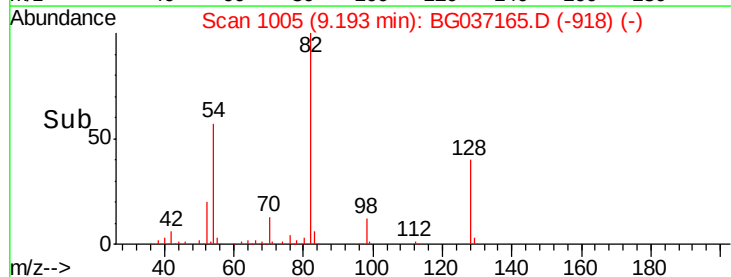
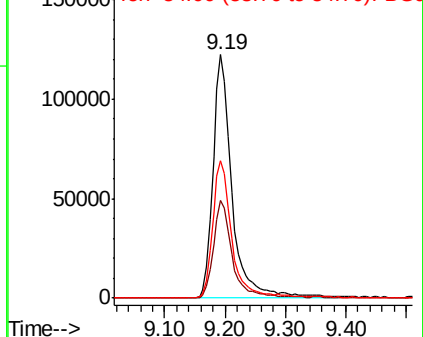


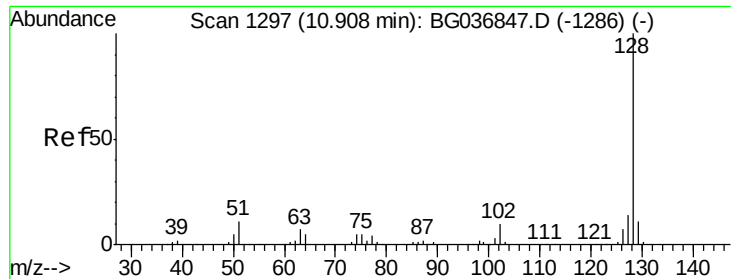
#23
Nitrobenzene-d5
Concen: 93.751 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BG037165.D
Acq: 4 Oct 2018 21:24

Tgt Ion:	82	Resp:	266526
Ion	Ratio	Lower	Upper
82	100		
128	40.1	33.3	49.9
54	56.5	45.1	67.7



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

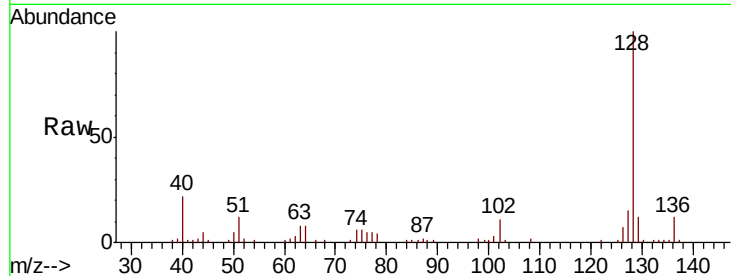




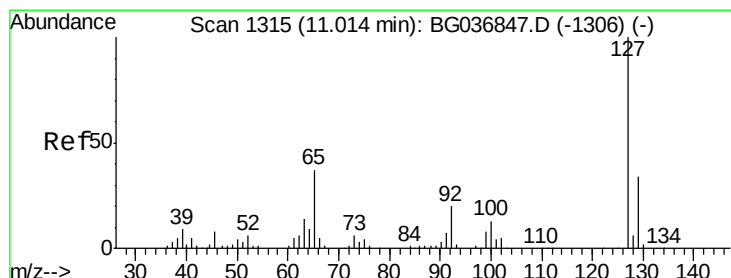
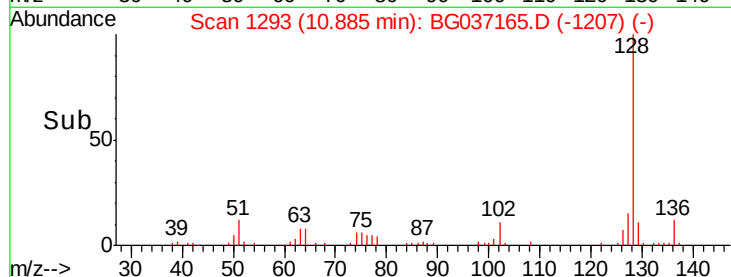
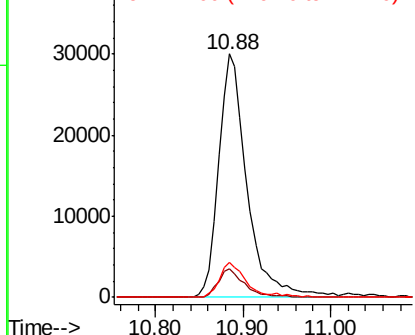
#31
Naphthalene
Concen: 9.257 ng
RT: 10.88 min Scan# 1293
Delta R.T. -0.02 min
Lab File: BG037165.D
Acq: 4 Oct 2018 21:24

Instrument :
BNA_G
ClientSampleId :
CG-SOIL-1

Tgt Ion:128 Resp: 67056
Ion Ratio Lower Upper
128 100
129 11.8 9.4 14.2
127 14.5 11.0 16.4

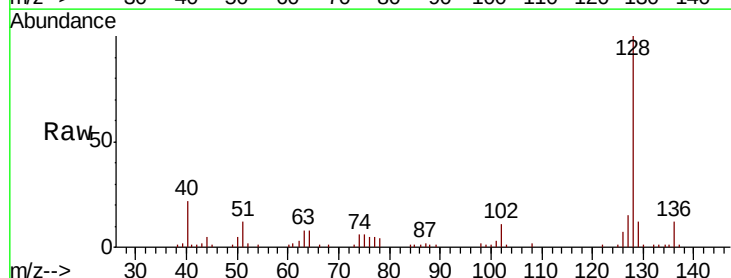


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

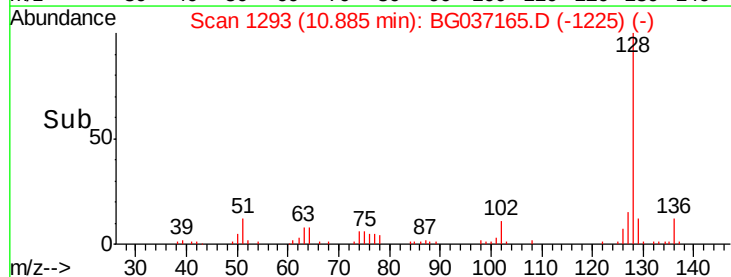
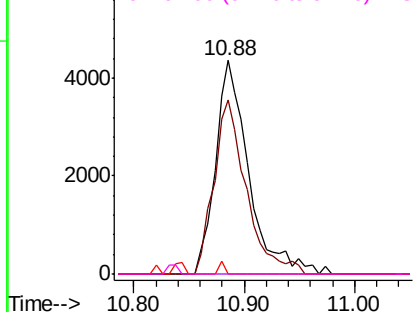


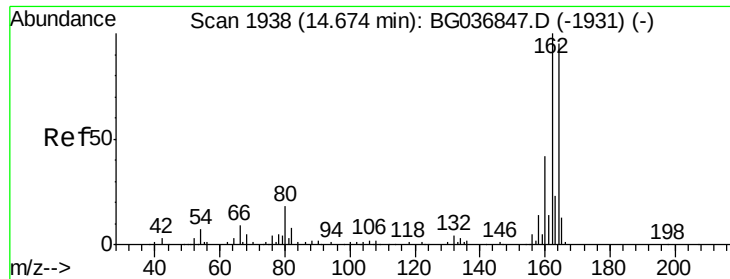
#33
4-Chloroaniline
Concen: 2.766 ng
RT: 10.88 min Scan# 1293
Delta R.T. -0.13 min
Lab File: BG037165.D
Acq: 4 Oct 2018 21:24

Tgt Ion:127 Resp: 9109
Ion Ratio Lower Upper
127 100
129 81.3 25.9 38.9#
65 0.0 27.5 41.3#
92 0.0 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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1935

Delta R.T. -0.02 min

Lab File: BG037165.D

Acq: 4 Oct 2018 21:24

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-1

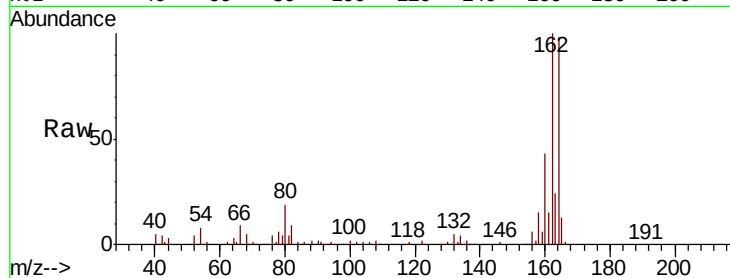
Tgt Ion:164 Resp: 104927

Ion Ratio Lower Upper

164 100

162 102.4 80.7 121.1

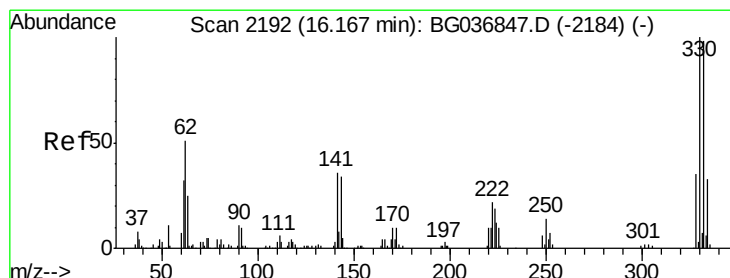
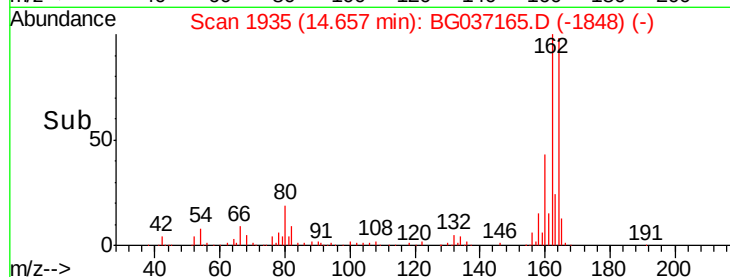
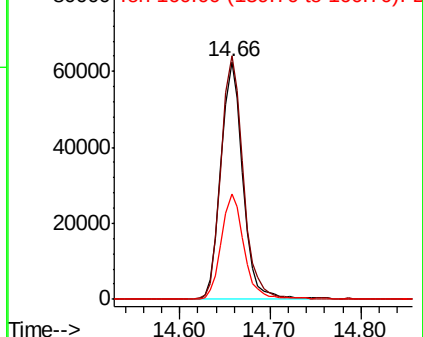
160 44.5 35.3 52.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 135.444 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.02 min

Lab File: BG037165.D

Acq: 4 Oct 2018 21:24

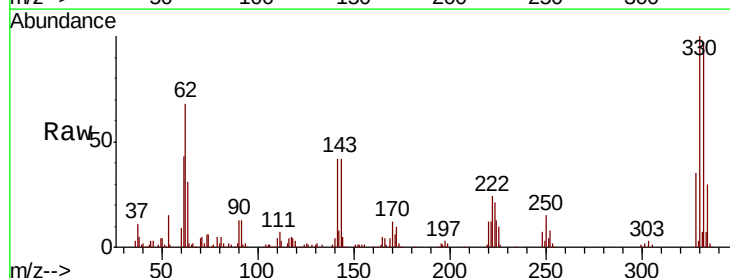
Tgt Ion:330 Resp: 170035

Ion Ratio Lower Upper

330 100

332 96.6 75.4 113.2

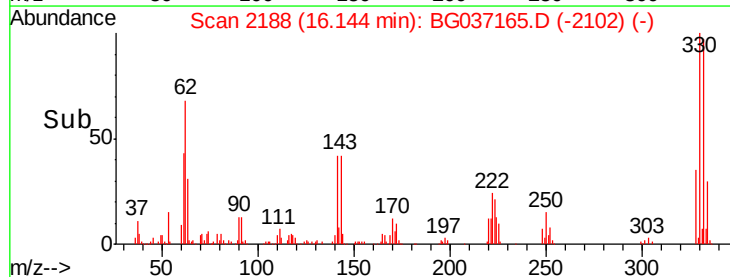
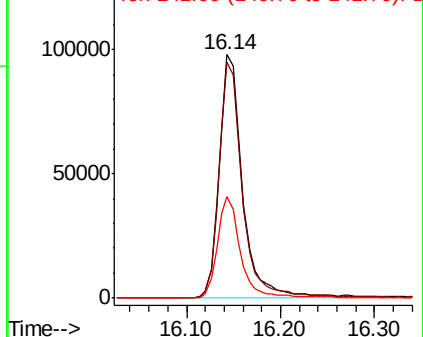
141 41.0 30.7 46.1

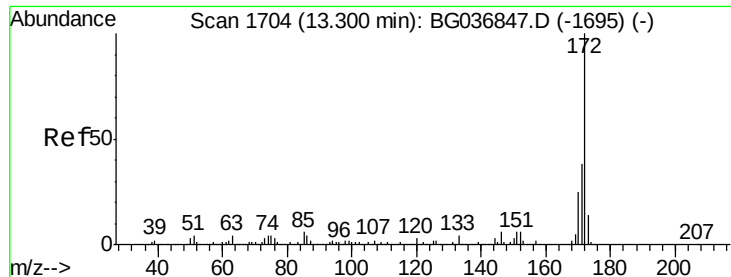


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

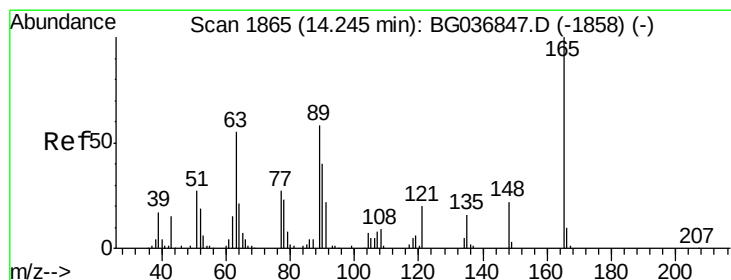
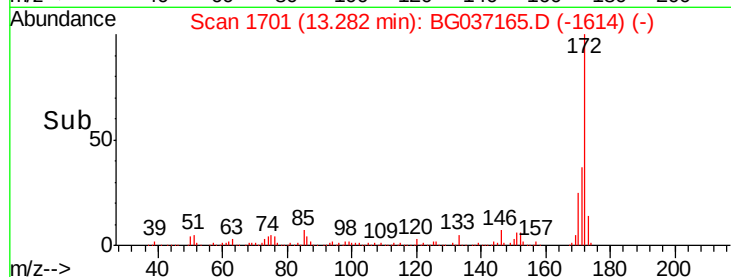
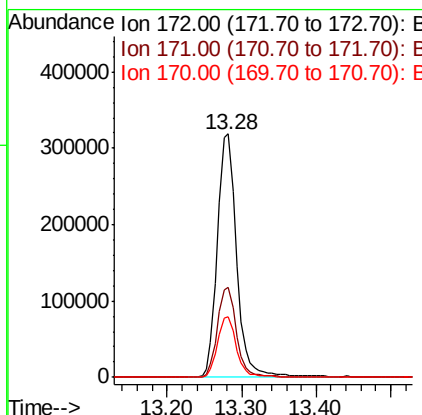
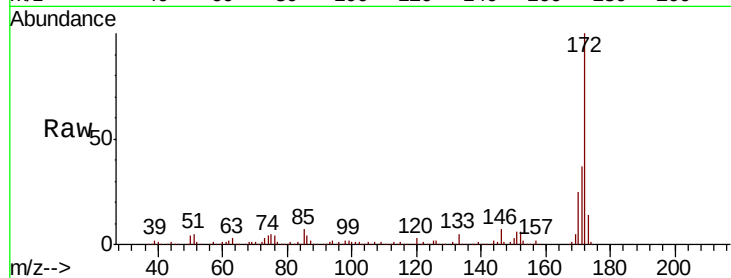




#44
 2-Fluorobiphenyl
 Concen: 81.732 ng
 RT: 13.28 min Scan# 1701
 Delta R.T. -0.02 min
 Lab File: BG037165.D
 Acq: 4 Oct 2018 21:24

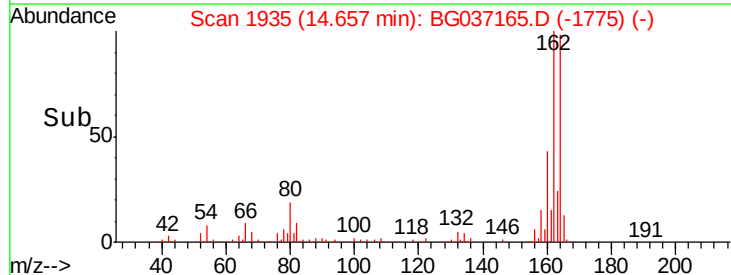
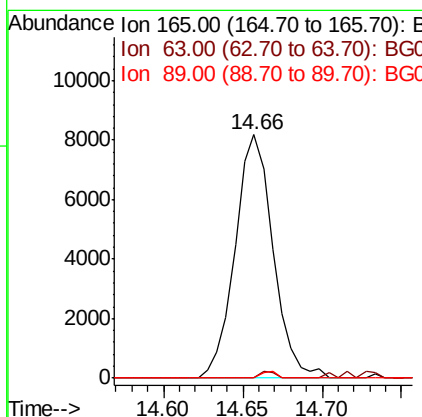
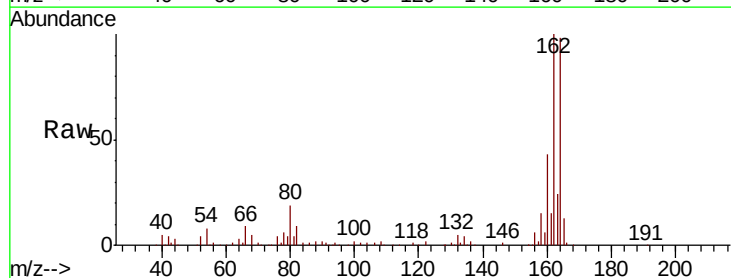
Instrument :
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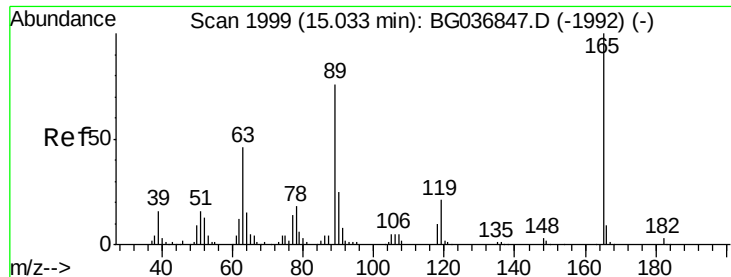
Tgt Ion:172 Resp: 575802
 Ion Ratio Lower Upper
 172 100
 171 37.2 31.3 46.9
 170 25.0 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.379 ng
 RT: 14.66 min Scan# 1935
 Delta R.T. 0.41 min
 Lab File: BG037165.D
 Acq: 4 Oct 2018 21:24

Tgt Ion:165 Resp: 13597
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 0.0 47.8 71.6#

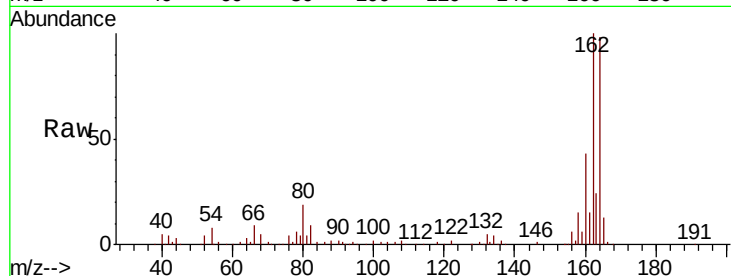




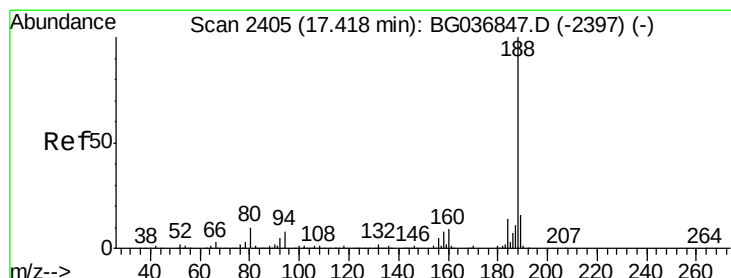
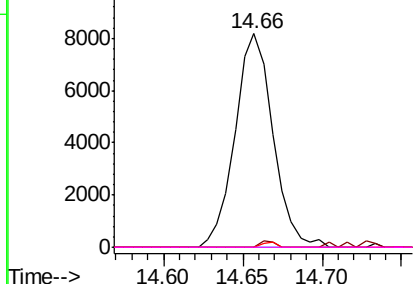
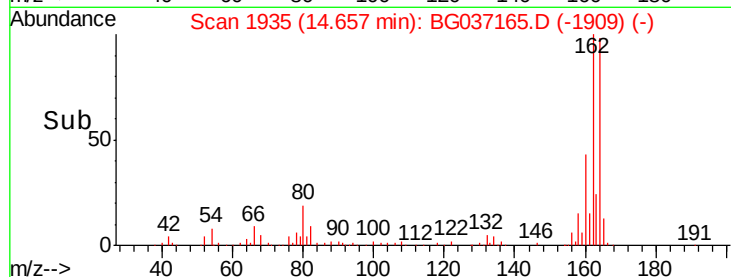
#56
 2,4-Dinitrotoluene
 Concen: 5.288 ng
 RT: 14.66 min Scan# 1935
 Delta R.T. -0.38 min
 Lab File: BG037165.D
 Acq: 4 Oct 2018 21:24

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-1

Tgt Ion:	165	Resp:	13597
Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#

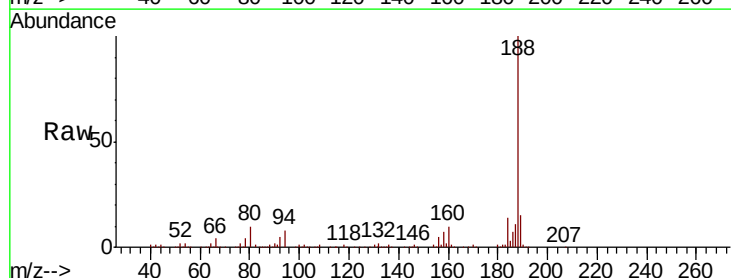


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

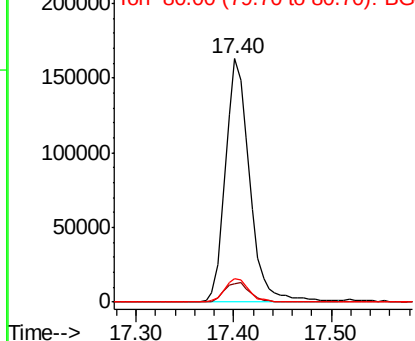
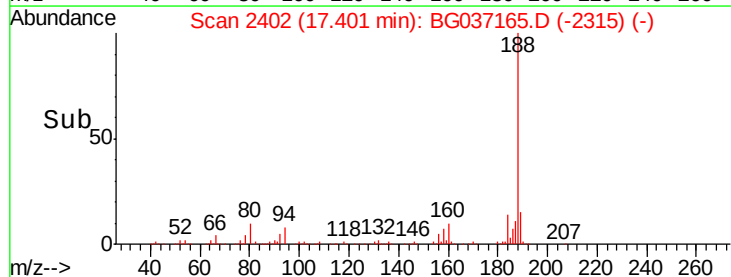


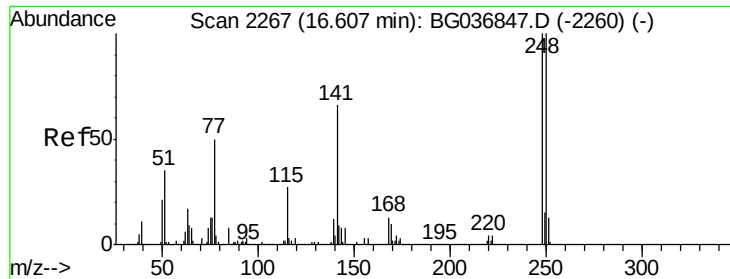
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2402
 Delta R.T. -0.02 min
 Lab File: BG037165.D
 Acq: 4 Oct 2018 21:24

Tgt Ion:	188	Resp:	281715
Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.7	10.1
80	9.6	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

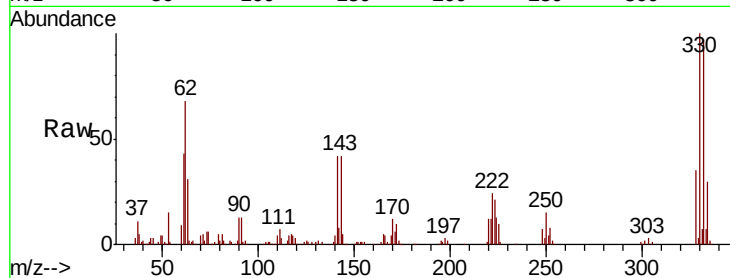




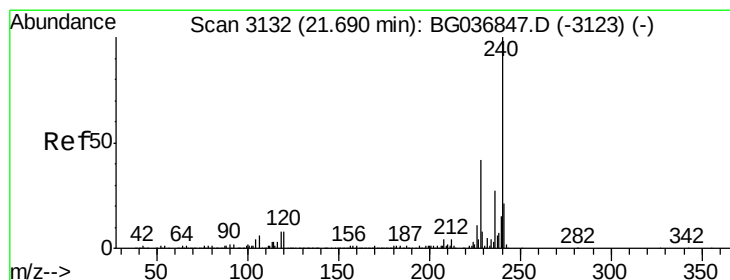
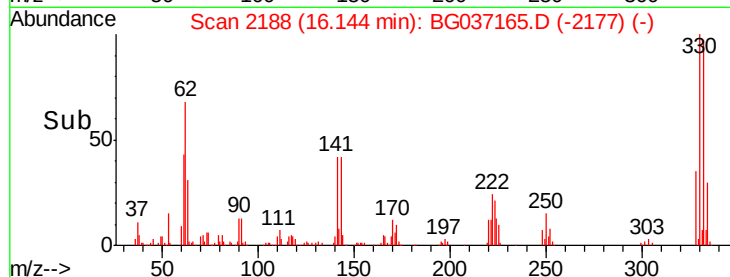
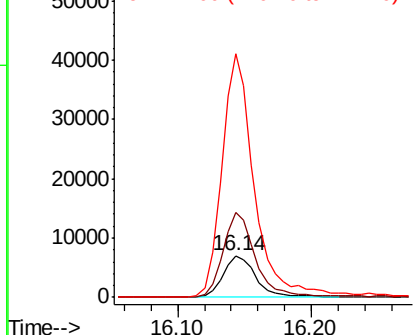
#66
 4-Bromophenyl-phenylether
 Concen: 3.763 ng
 RT: 16.14 min Scan# 2188
 Delta R.T. -0.46 min
 Lab File: BG037165.D
 Acq: 4 Oct 2018 21:24

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-1

Tgt Ion:248 Resp: 12058
 Ion Ratio Lower Upper
 248 100
 250 204.2 78.1 117.1#
 141 585.4 53.7 80.5#

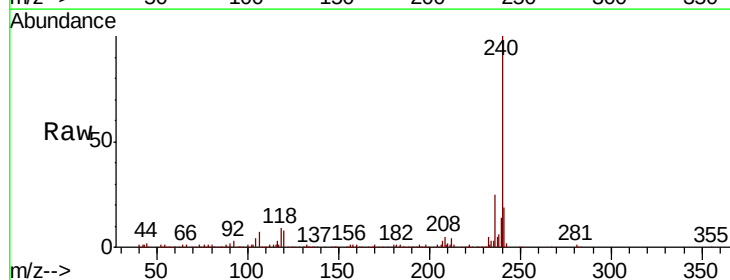


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

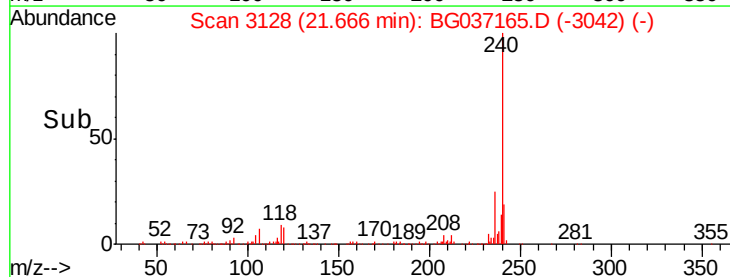
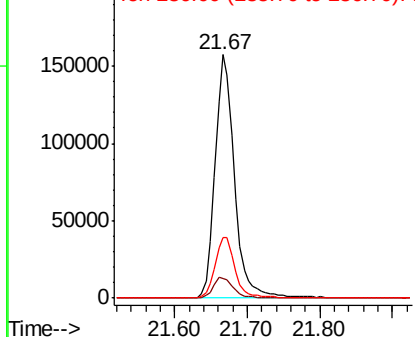


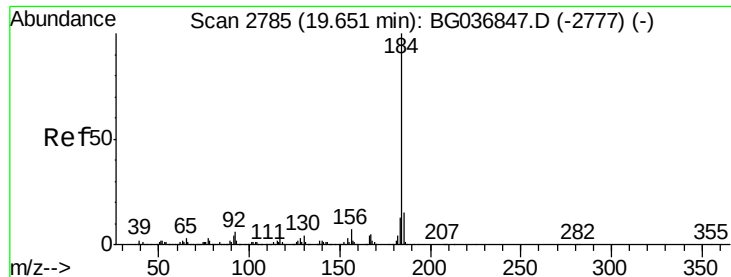
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3128
 Delta R.T. -0.02 min
 Lab File: BG037165.D
 Acq: 4 Oct 2018 21:24

Tgt Ion:240 Resp: 293576
 Ion Ratio Lower Upper
 240 100
 120 8.2 6.9 10.3
 236 24.7 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: 2.131 ng

RT: 20.01 min Scan# 2846

Delta R.T. 0.36 min

Lab File: BG037165.D

Acq: 4 Oct 2018 21:24

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-1

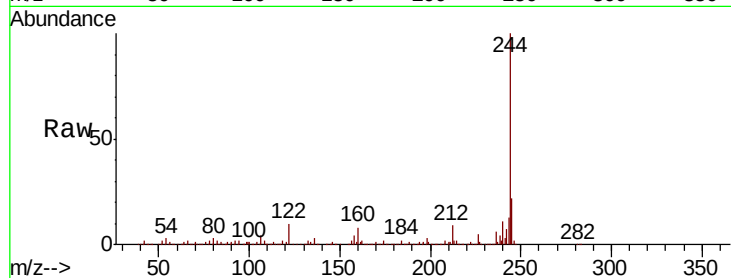
Tgt Ion:184 Resp: 18908

Ion Ratio Lower Upper

184 100

185 21.0 12.6 18.8#

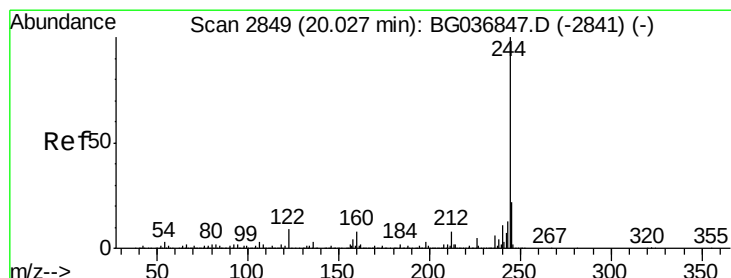
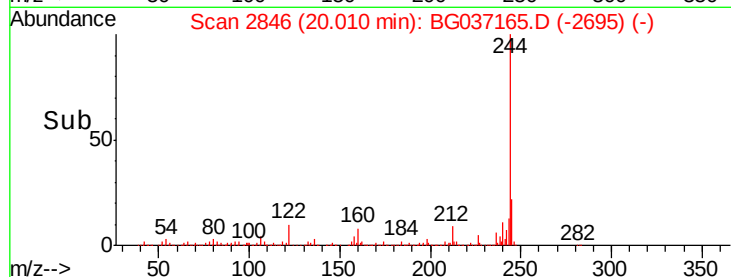
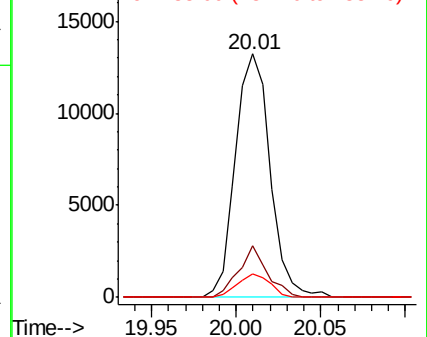
183 9.8 10.9 16.3#



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



#78

Terphenyl-d14

Concen: 96.926 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BG037165.D

Acq: 4 Oct 2018 21:24

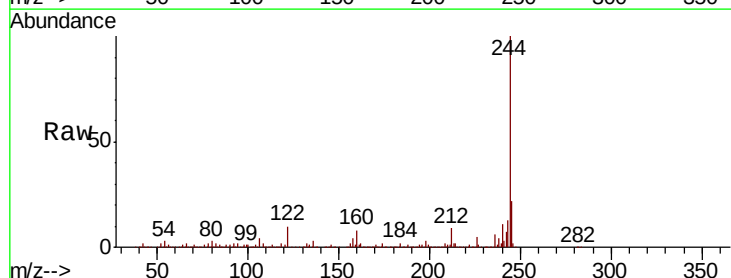
Tgt Ion:244 Resp: 1082159

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

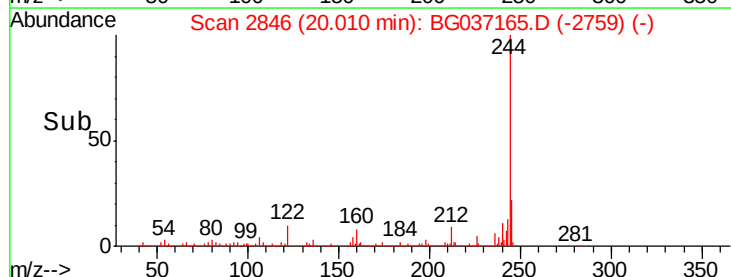
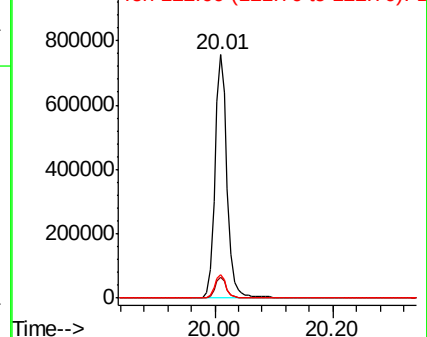
122 9.5 7.1 10.7

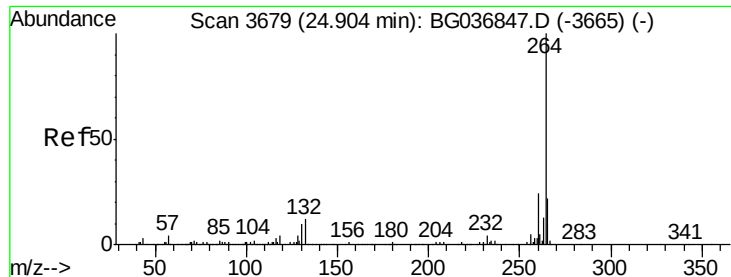


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3672
Delta R.T. -0.04 min
Lab File: BG037165.D
Acq: 4 Oct 2018 21:24

Instrument :
BNA_G
ClientSampleId :
CG-SOIL-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	21.7	17.4	26.0

