

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100518\
 Data File : BG037166.D
 Acq On : 4 Oct 2018 22:03
 Operator : JU/SJ
 Sample : J5212-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2

Quant Time: Oct 05 01:43:04 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

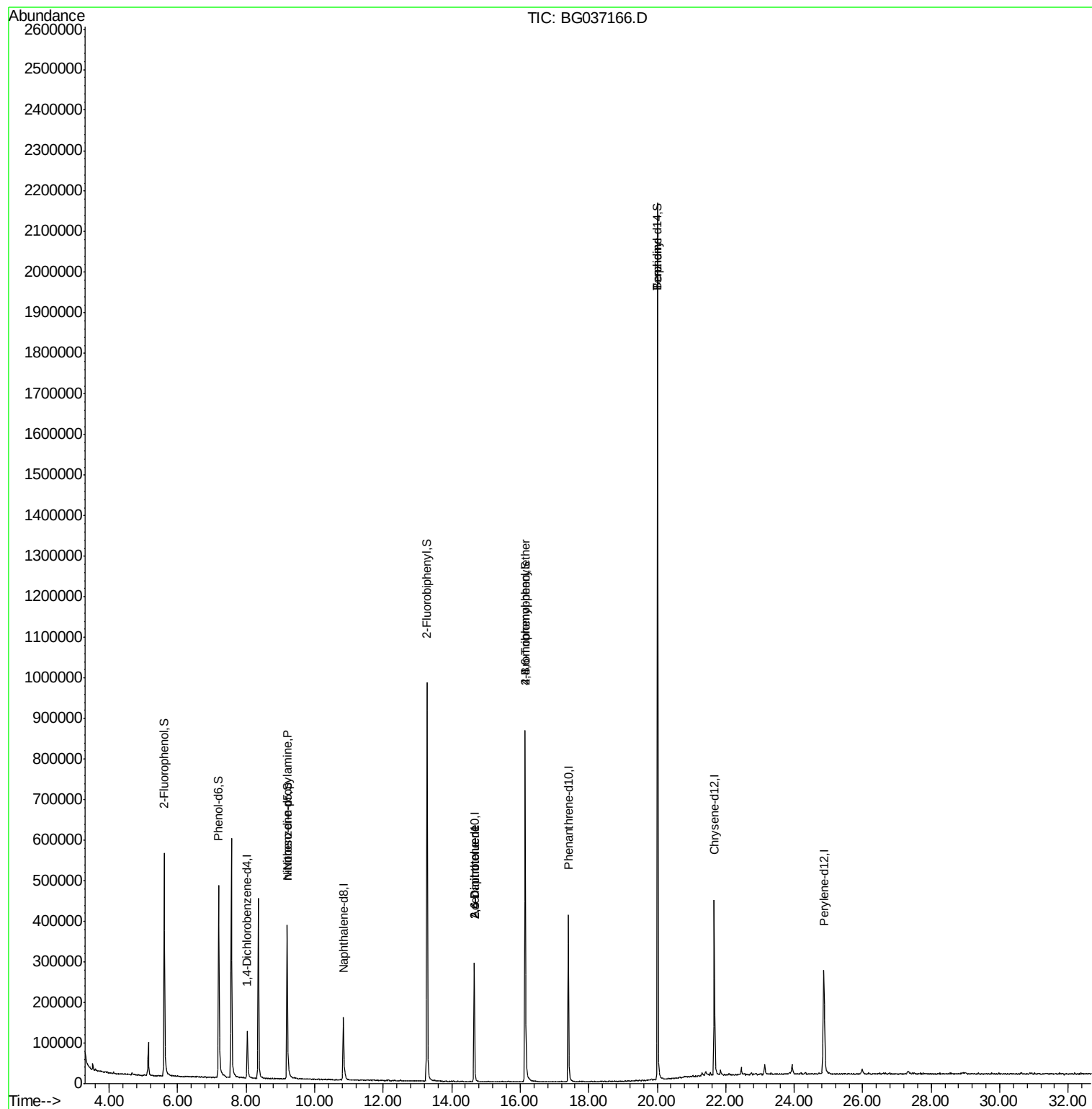
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	39037	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	160269	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	108499	20.00	ng	-0.02
63) Phenanthrene-d10	17.40	188	283136	20.00	ng	-0.02
75) Chrysene-d12	21.67	240	291368	20.00	ng	-0.02
86) Perylene-d12	24.86	264	284721	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	252756	124.17	ng	-0.02
7) Phenol-d6	7.20	99	324092	102.91	ng	-0.02
23) Nitrobenzene-d5	9.19	82	278529	93.07	ng	-0.02
41) 2,4,6-Tribromophenol	16.15	330	165651	127.61	ng	-0.02
44) 2-Fluorobiphenyl	13.28	172	568619	78.06	ng	-0.02
78) Terphenyl-d14	20.01	244	1098185	99.11	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	37360	14.260	ng	# 77
50) 2,6-Dinitrotoluene	14.66	165	13681	7.180	ng	# 24
56) 2,4-Dinitrotoluene	14.66	165	13681	5.145	ng	# 22
66) 4-Bromophenyl-phenylether	16.15	248	11751	3.649	ng	# 1
76) Benzidine	20.01	184	20129	2.285	ng	# 94

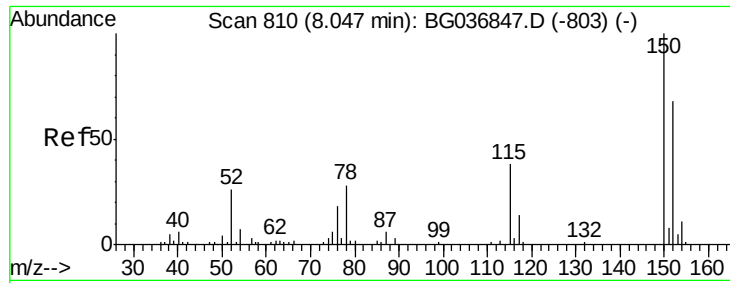
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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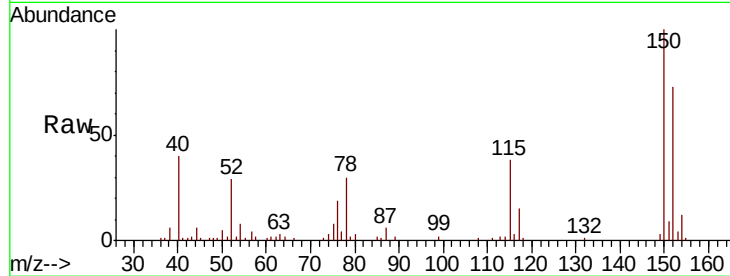


#1

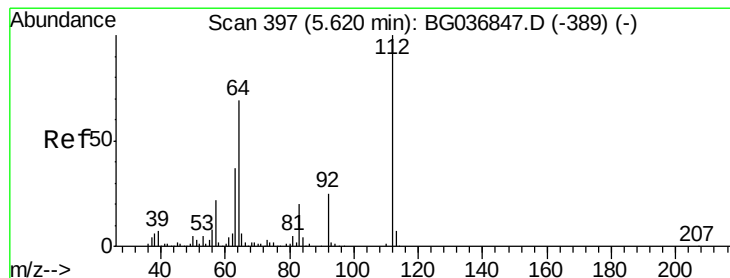
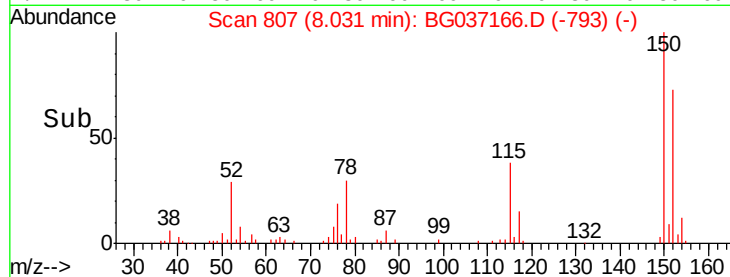
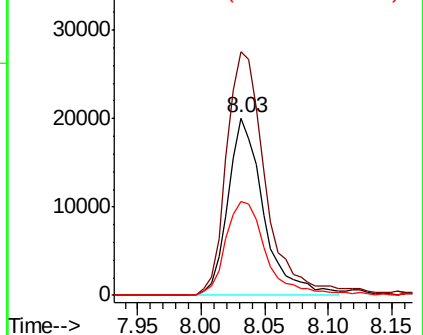
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.02 min
Lab File: BG037166.D
Acq: 4 Oct 2018 22:03

Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2

Tgt Ion:152 Resp: 39037
Ion Ratio Lower Upper
152 100
150 137.5 119.5 179.3
115 52.8 44.5 66.7



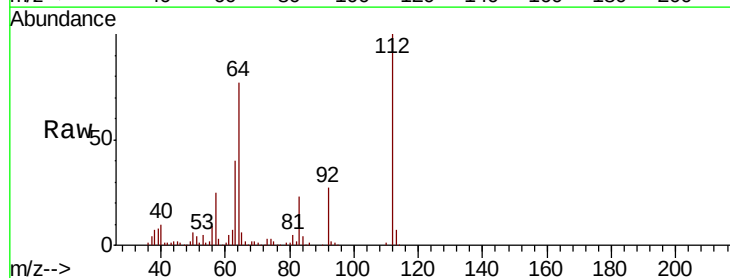
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



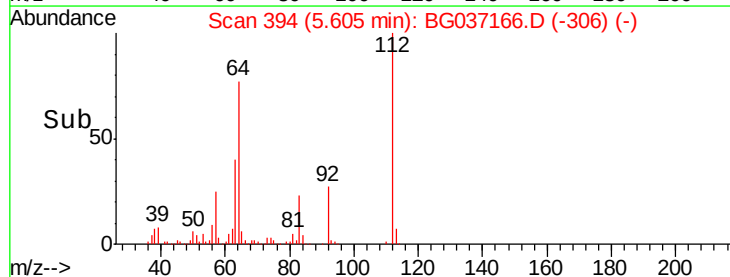
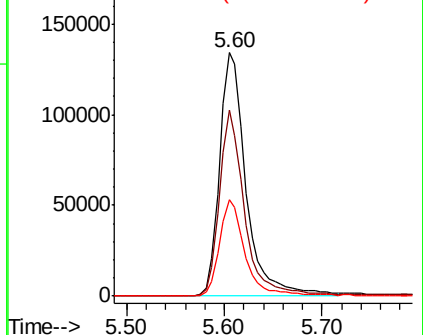
#5

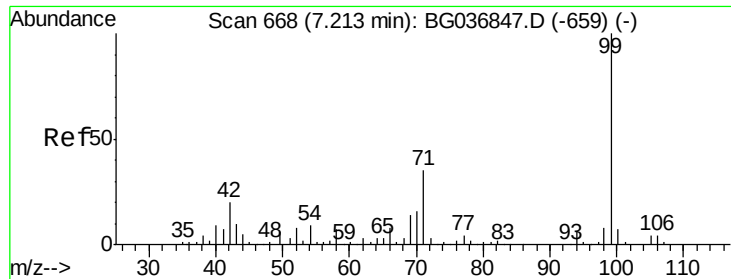
2-Fluorophenol
Concen: 124.172 ng
RT: 5.60 min Scan# 394
Delta R.T. -0.02 min
Lab File: BG037166.D
Acq: 4 Oct 2018 22:03

Tgt Ion:112 Resp: 252756
Ion Ratio Lower Upper
112 100
64 76.6 57.2 85.8
63 39.6 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: 102.909 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.02 min

Lab File: BG037166.D

Acq: 4 Oct 2018 22:03

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2

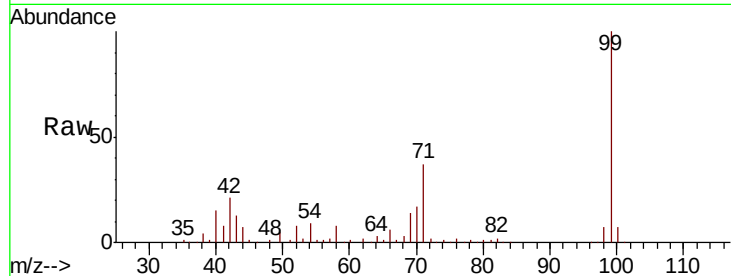
Tgt Ion: 99 Resp: 324092

Ion Ratio Lower Upper

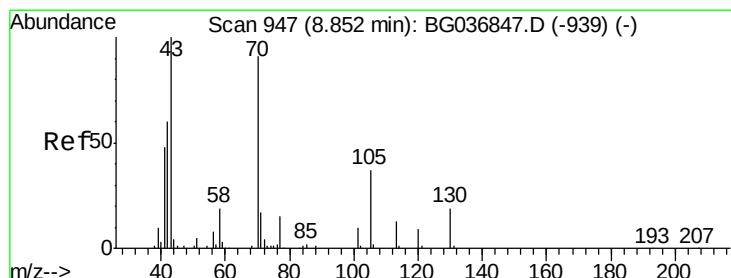
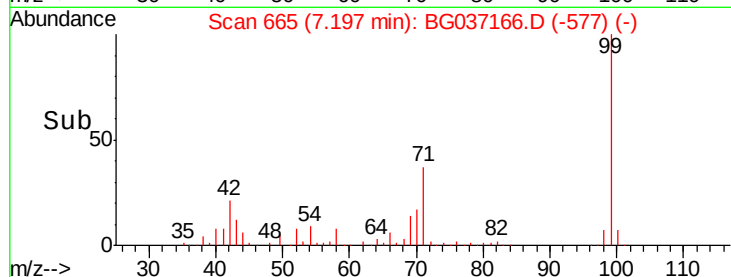
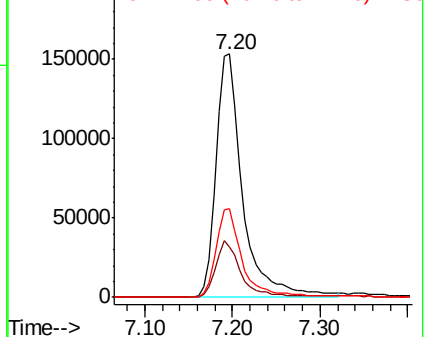
99 100

42 20.7 16.5 24.7

71 36.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.260 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.34 min

Lab File: BG037166.D

Acq: 4 Oct 2018 22:03

Tgt Ion: 70 Resp: 37360

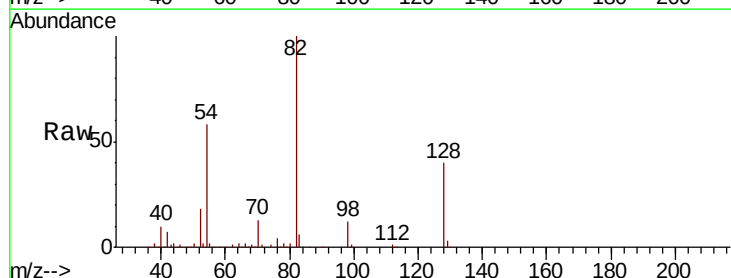
Ion Ratio Lower Upper

70 100

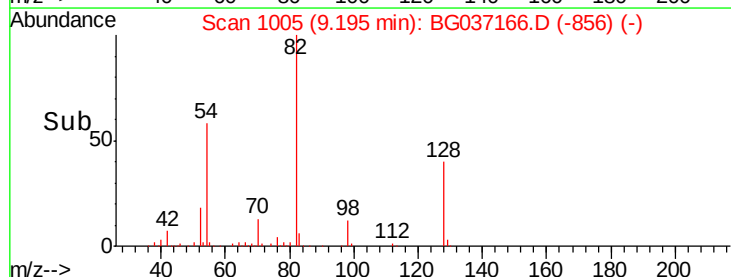
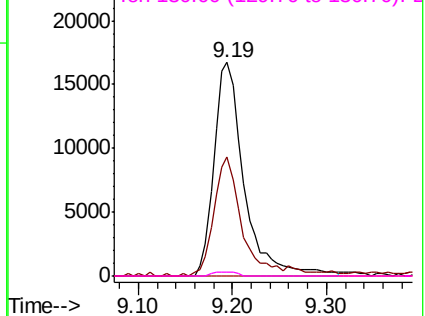
42 55.7 56.2 84.4#

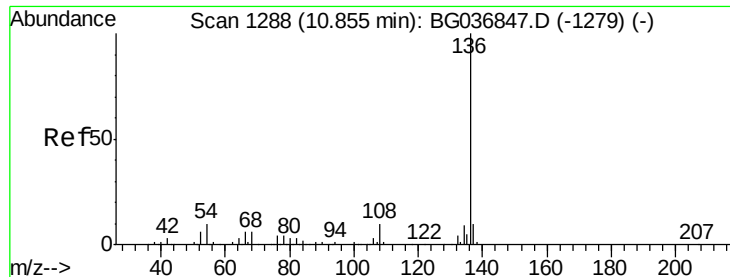
101 0.0 7.8 11.6#

130 1.5 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

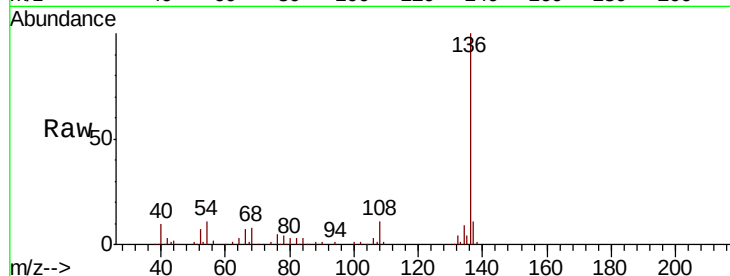




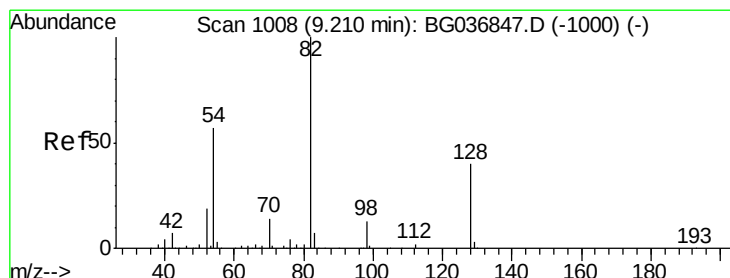
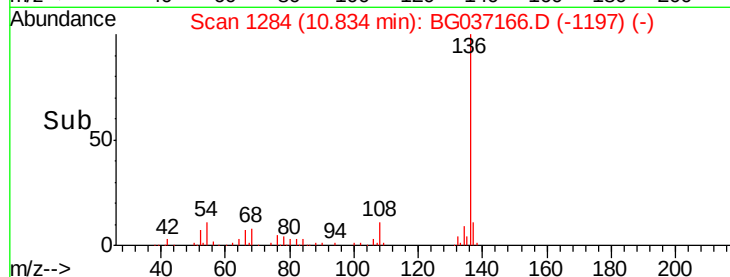
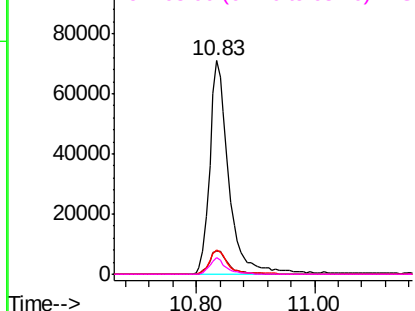
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BG037166.D
Acq: 4 Oct 2018 22:03

Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2

Tgt Ion:	136	Resp:	160269
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	11.3	9.2	13.8
68	7.8	5.8	8.6

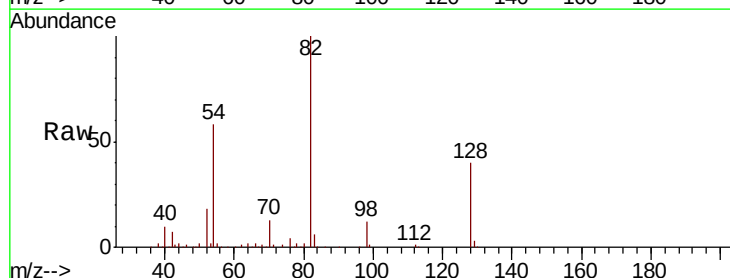


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

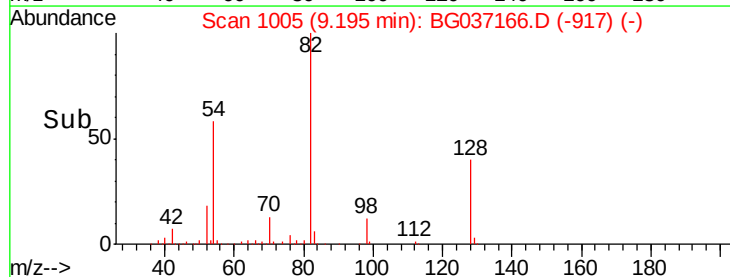
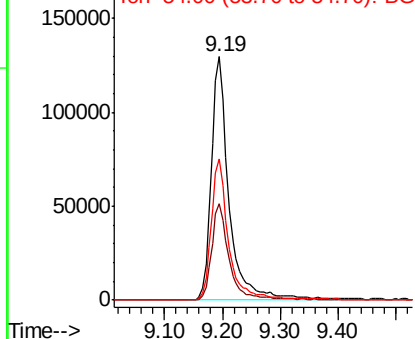


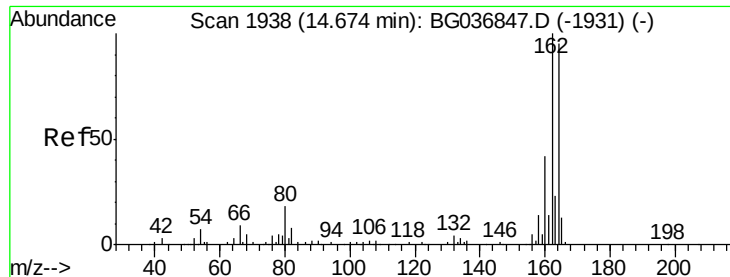
#23
Nitrobenzene-d5
Concen: 93.065 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BG037166.D
Acq: 4 Oct 2018 22:03

Tgt Ion:	82	Resp:	278529
Ion	Ratio	Lower	Upper
82	100		
128	39.5	33.3	49.9
54	57.8	45.1	67.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1935

Delta R.T. -0.02 min

Lab File: BG037166.D

Acq: 4 Oct 2018 22:03

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2

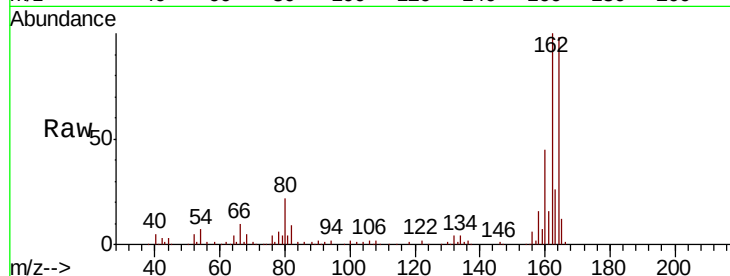
Tgt Ion:164 Resp: 108499

Ion Ratio Lower Upper

164 100

162 102.4 80.7 121.1

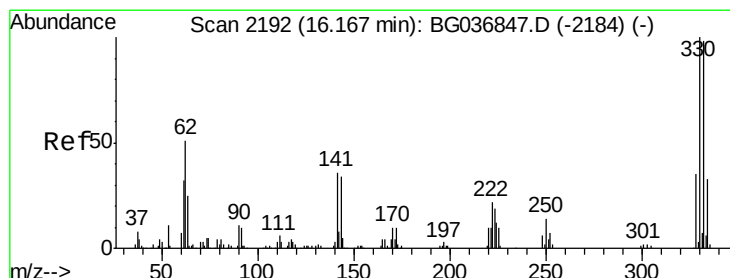
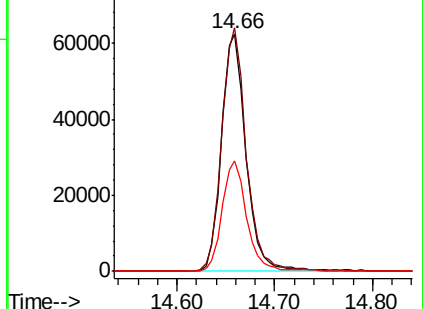
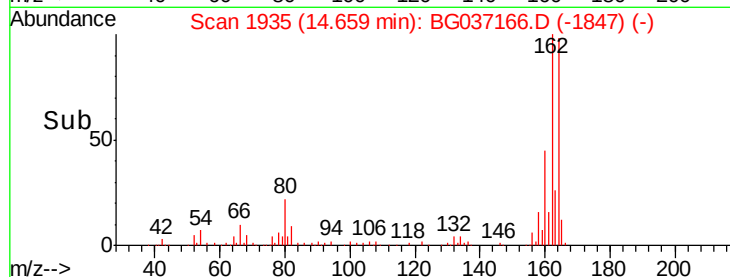
160 46.5 35.3 52.9



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: 127.608 ng

RT: 16.15 min Scan# 2188

Delta R.T. -0.02 min

Lab File: BG037166.D

Acq: 4 Oct 2018 22:03

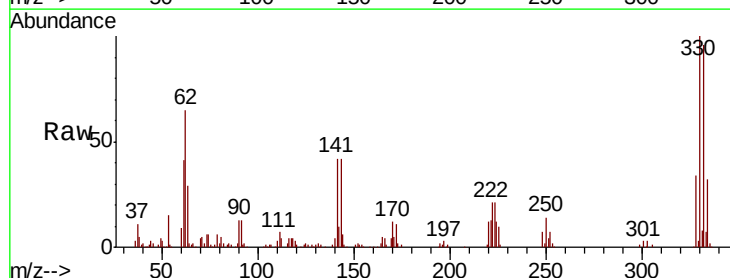
Tgt Ion:330 Resp: 165651

Ion Ratio Lower Upper

330 100

332 97.8 75.4 113.2

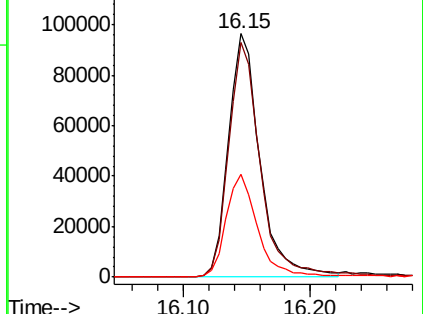
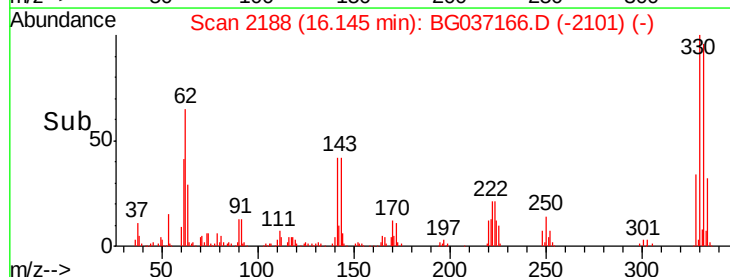
141 42.9 30.7 46.1

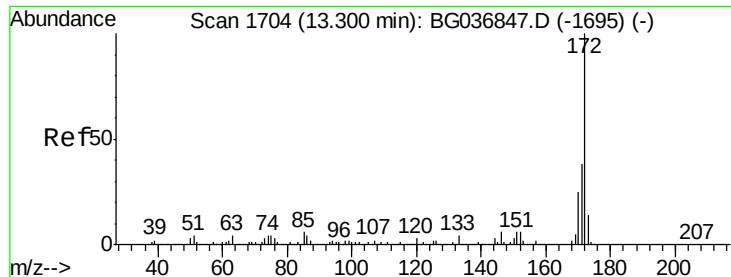


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

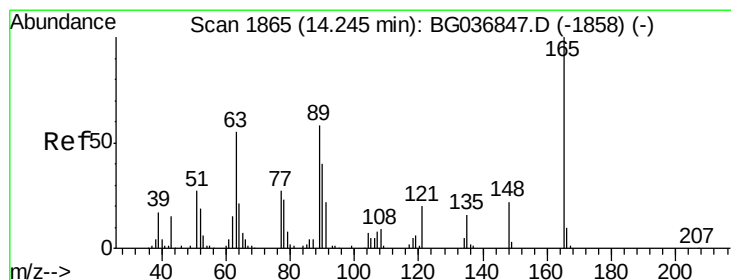
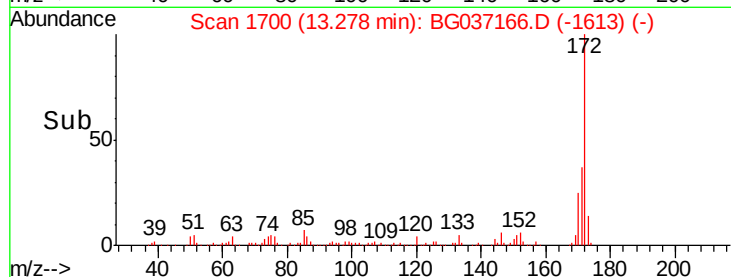
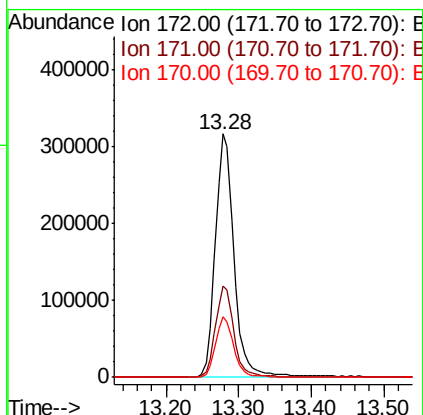
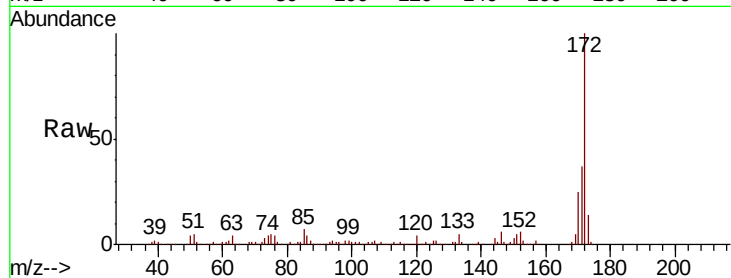




#44
 2-Fluorobiphenyl
 Concen: 78.056 ng
 RT: 13.28 min Scan# 1700
 Delta R.T. -0.02 min
 Lab File: BG037166.D
 Acq: 4 Oct 2018 22:03

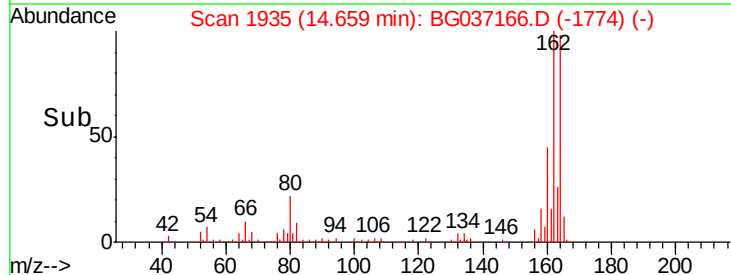
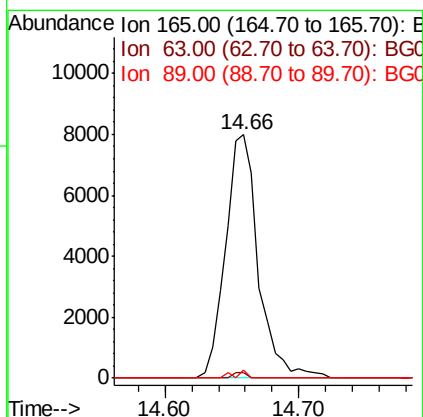
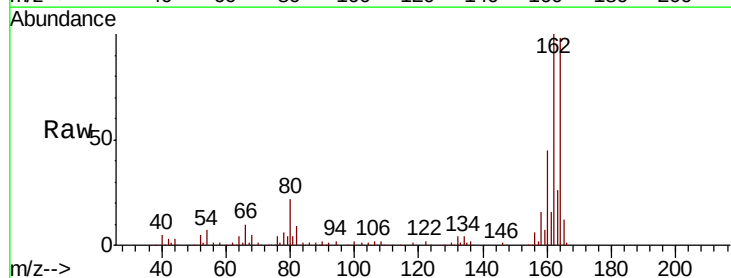
Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2

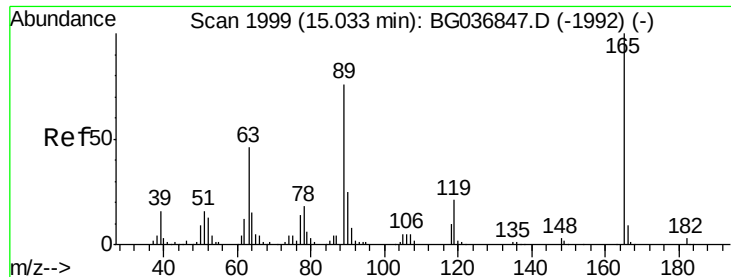
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	31.3	46.9
170	24.9	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.180 ng
 RT: 14.66 min Scan# 1935
 Delta R.T. 0.41 min
 Lab File: BG037166.D
 Acq: 4 Oct 2018 22:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	50.1	75.1#
89	3.3	47.8	71.6#

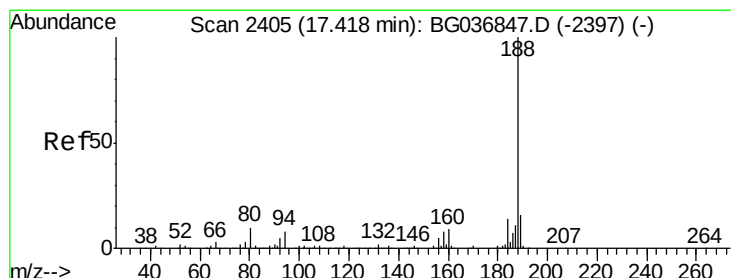
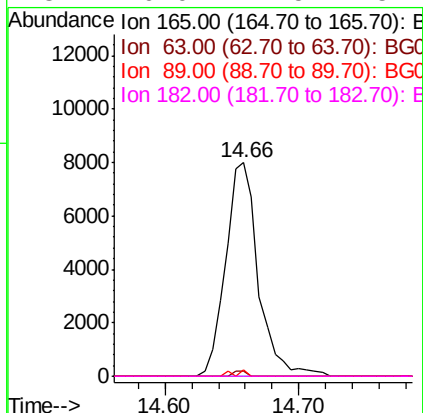
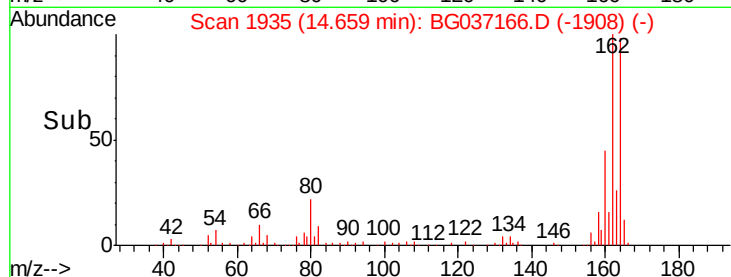
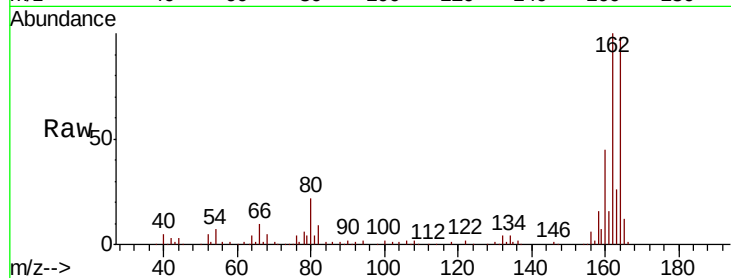




#56
 2,4-Dinitrotoluene
 Concen: 5.145 ng
 RT: 14.66 min Scan# 1935
 Delta R.T. -0.37 min
 Lab File: BG037166.D
 Acq: 4 Oct 2018 22:03

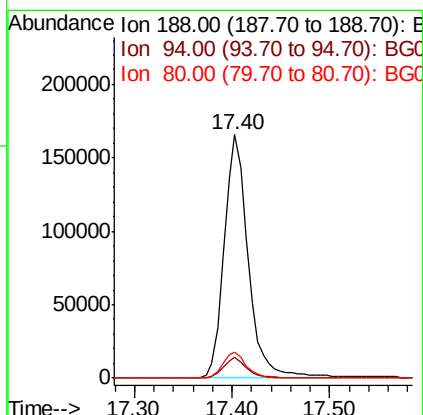
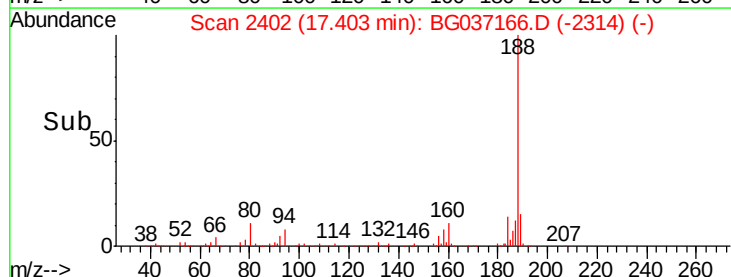
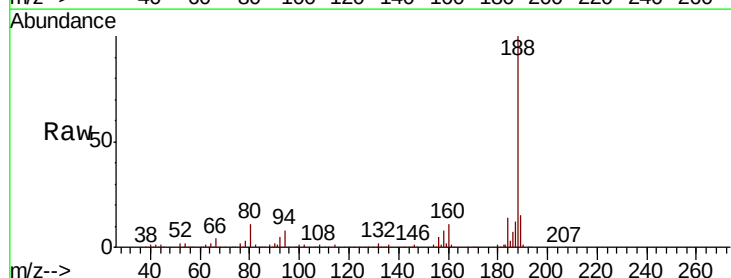
Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2

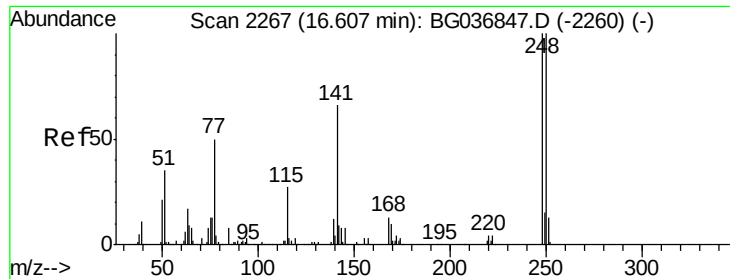
Tgt Ion:	165	Resp:	13681
Ion	Ratio	Lower	Upper
165	100		
63	2.4	40.1	60.1#
89	3.3	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2402
 Delta R.T. -0.02 min
 Lab File: BG037166.D
 Acq: 4 Oct 2018 22:03

Tgt Ion:	188	Resp:	283136
Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.7	10.1
80	10.7	8.1	12.1

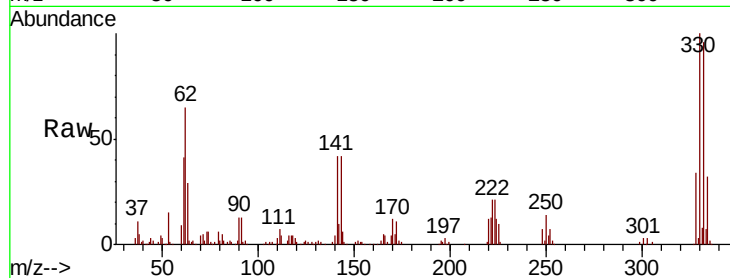




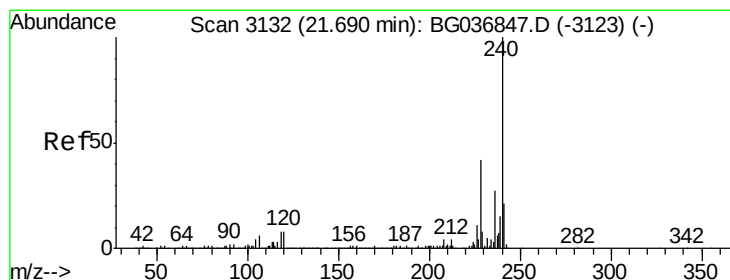
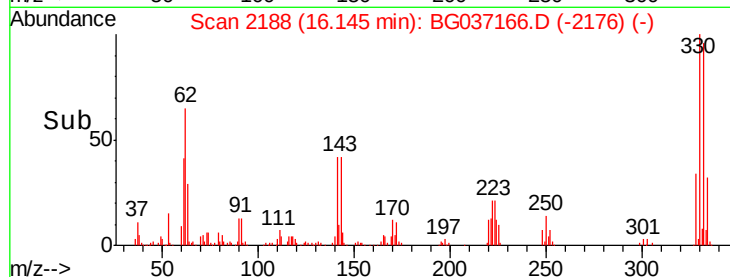
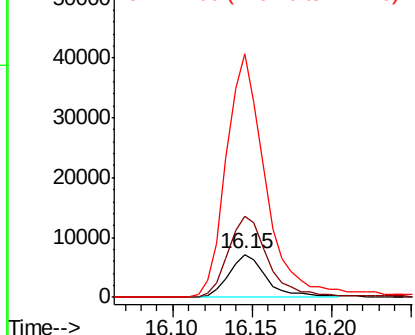
#66
4-Bromophenyl-phenylether
Concen: 3.649 ng
RT: 16.15 min Scan# 2188
Delta R.T. -0.46 min
Lab File: BG037166.D
Acq: 4 Oct 2018 22:03

Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2

Tgt Ion:248 Resp: 11751
Ion Ratio Lower Upper
248 100
250 189.6 78.1 117.1#
141 567.8 53.7 80.5#

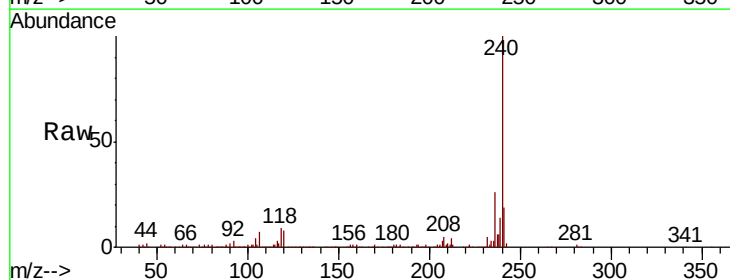


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

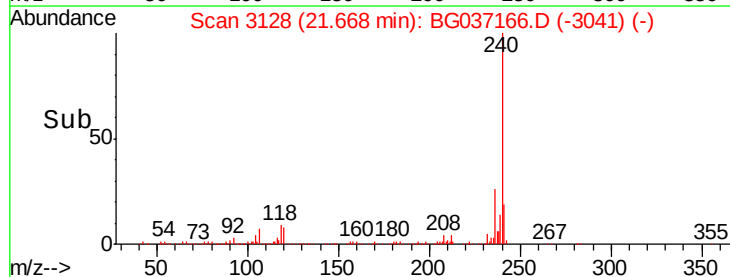
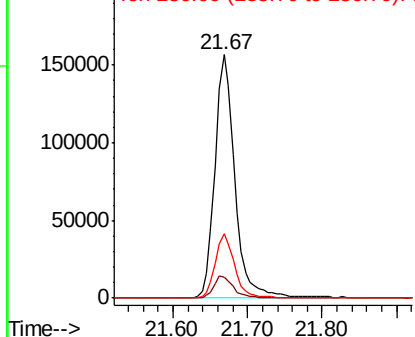


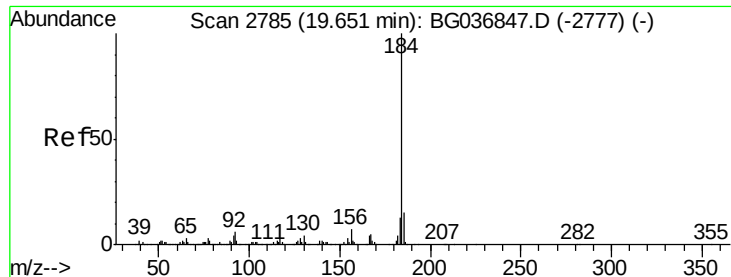
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.67 min Scan# 3128
Delta R.T. -0.02 min
Lab File: BG037166.D
Acq: 4 Oct 2018 22:03

Tgt Ion:240 Resp: 291368
Ion Ratio Lower Upper
240 100
120 8.4 6.9 10.3
236 26.2 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: 2.285 ng

RT: 20.01 min Scan# 2846

Delta R.T. 0.36 min

Lab File: BG037166.D

Acq: 4 Oct 2018 22:03

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2

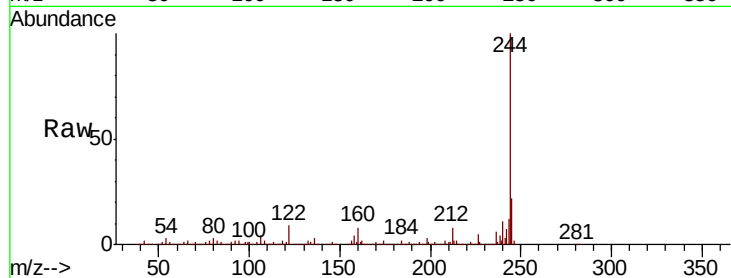
Tgt Ion:184 Resp: 20129

Ion Ratio Lower Upper

184 100

185 16.1 12.6 18.8

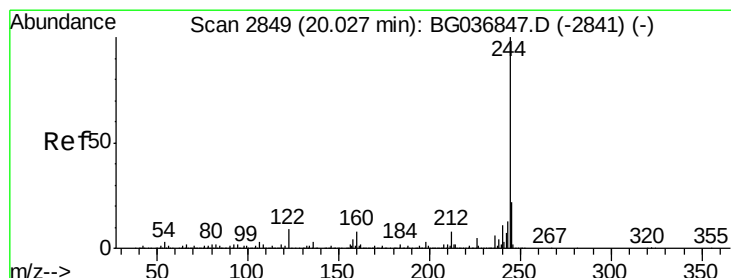
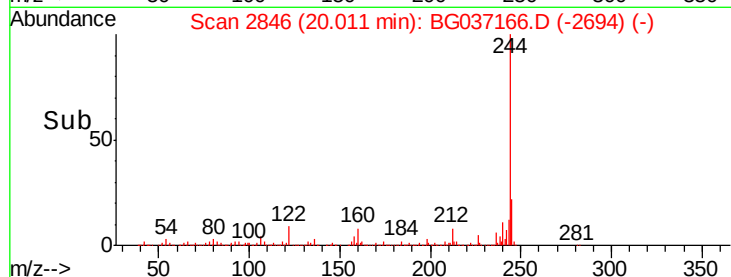
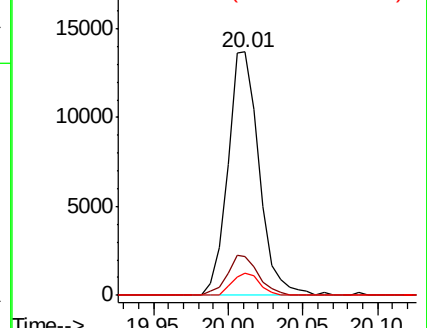
183 9.1 10.9 16.3#



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: 99.107 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BG037166.D

Acq: 4 Oct 2018 22:03

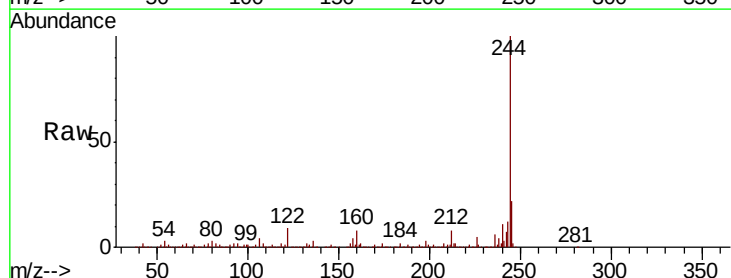
Tgt Ion:244 Resp: 1098185

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.6

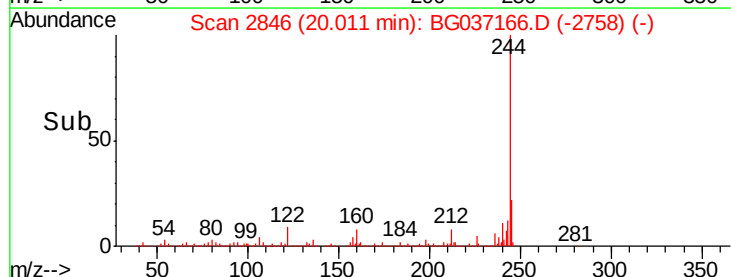
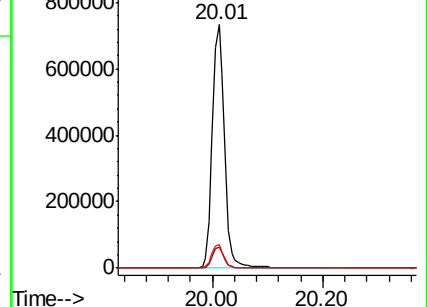
122 9.5 7.1 10.7

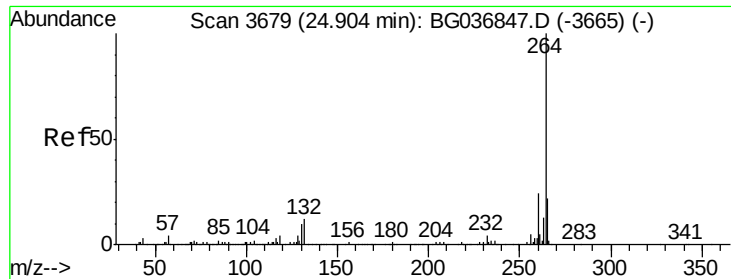


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG037166.D
 Acq: 4 Oct 2018 22:03

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.6	29.4
265	21.5	17.4	26.0

