

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG111418\
 Data File : BG038006.D
 Acq On : 14 Nov 2018 20:56
 Operator : JU/SJ
 Sample : J5932-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL

Quant Time: Nov 15 00:49:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

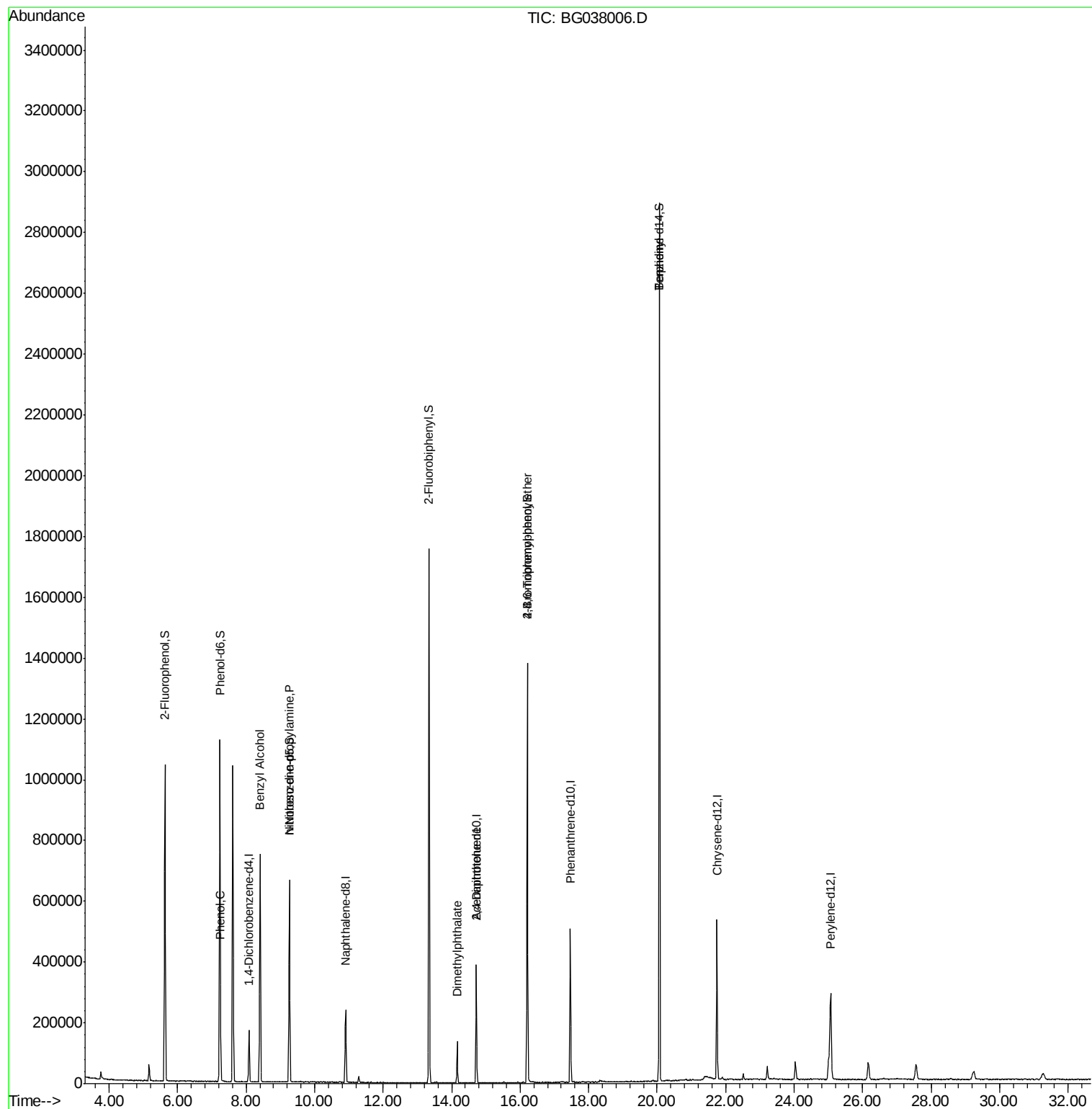
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	50371	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	216835	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	138200	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	327093	20.00	ng	0.00
76) Chrysene-d12	21.75	240	304604	20.00	ng	0.00
87) Perylene-d12	25.07	264	316338	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	478265	163.93	ng	0.00
7) Phenol-d6	7.23	99	692754	166.35	ng	0.00
23) Nitrobenzene-d5	9.26	82	427047	105.43	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	251126	159.33	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	950141	100.16	ng	0.00
79) Terphenyl-d14	20.07	244	1354544	104.64	ng	0.00
Target Compounds						
10) Phenol	7.26	94	33393	7.570	ng	91
15) Benzyl Alcohol	8.41	79	6197	2.057	ng	# 40
19) n-Nitroso-di-n-propylamine	9.26	70	54197	17.986	ng	# 73
50) Dimethylphthalate	14.16	163	95351	8.703	ng	98
57) 2,4-Dinitrotoluene	14.72	165	17569	5.207	ng	# 24
67) 4-Bromophenyl-phenylether	16.21	248	19156	5.336	ng	# 1
77) Benzidine	20.07	184	23265	2.177	ng	# 94

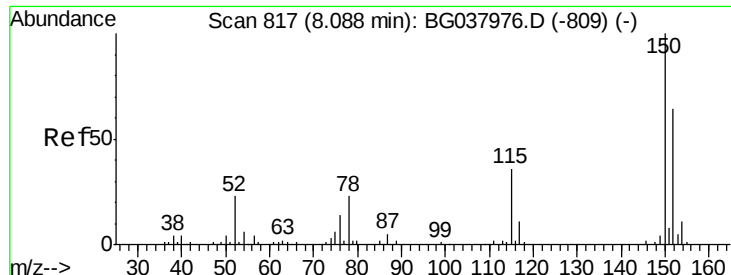
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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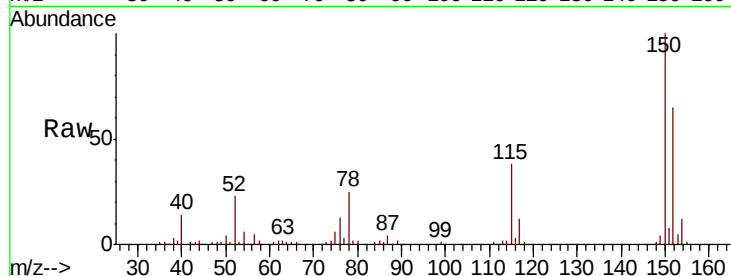


#1

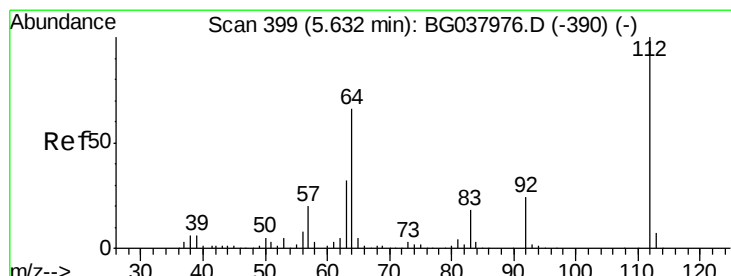
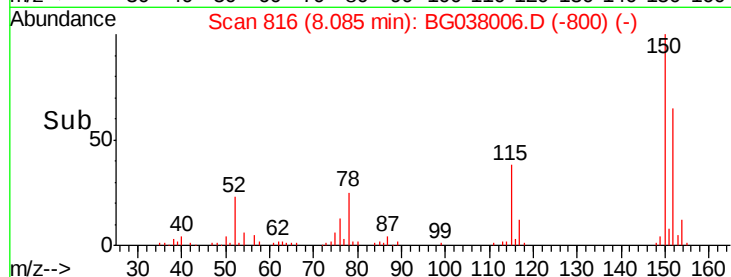
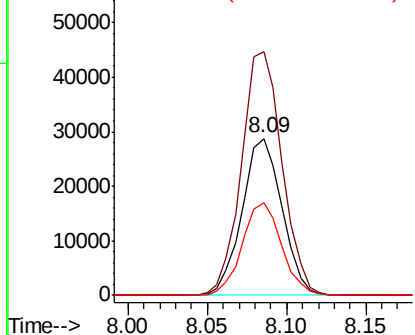
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.09 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: BG038006.D
 Acq: 14 Nov 2018 20:56

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL

Tgt Ion:152 Resp: 50371
 Ion Ratio Lower Upper
 152 100
 150 155.0 126.0 189.0
 115 58.6 45.5 68.3



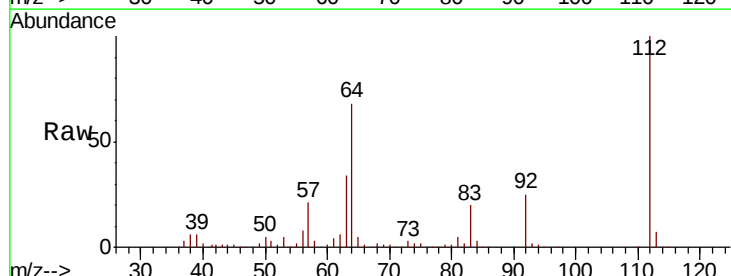
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



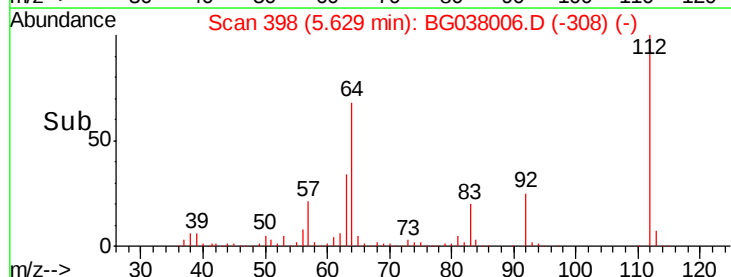
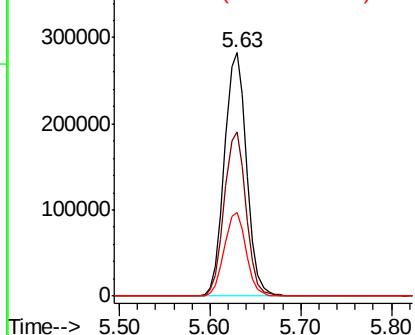
#5

2-Fluorophenol
 Concen: 163.935 ng
 RT: 5.63 min Scan# 398
 Delta R.T. -0.00 min
 Lab File: BG038006.D
 Acq: 14 Nov 2018 20:56

Tgt Ion:112 Resp: 478265
 Ion Ratio Lower Upper
 112 100
 64 67.5 53.1 79.7
 63 34.4 27.3 40.9



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





#7

Phenol-d6

Concen: 166.350 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038006.D

Acq: 14 Nov 2018 20:56

Instrument :

BNA_G

ClientSampleId :

CG-SOIL

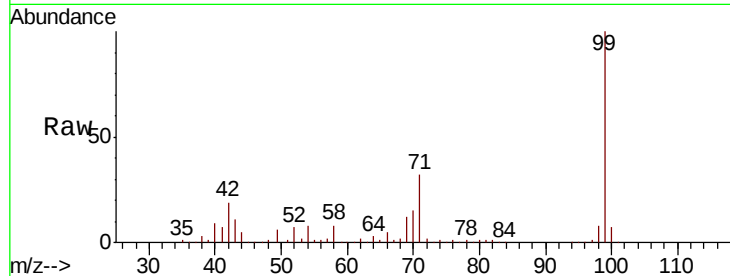
Tgt Ion: 99 Resp: 692754

Ion Ratio Lower Upper

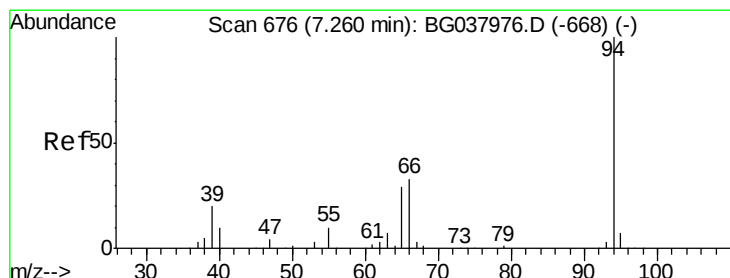
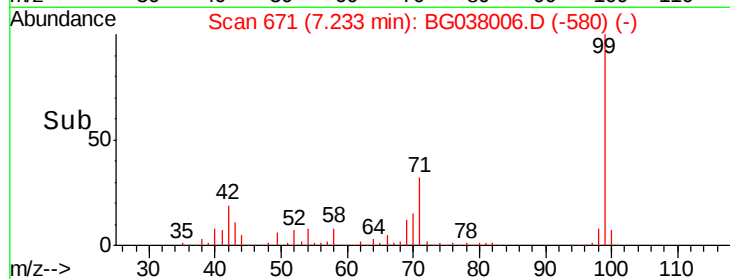
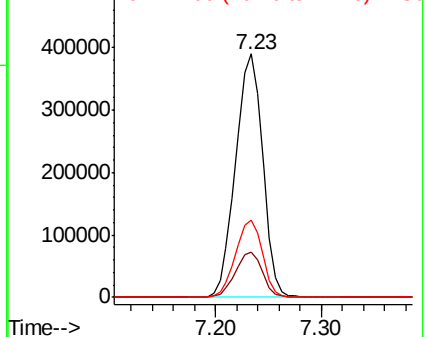
99 100

42 18.8 15.0 22.4

71 31.7 25.5 38.3



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



#10

Phenol

Concen: 7.570 ng

RT: 7.26 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG038006.D

Acq: 14 Nov 2018 20:56

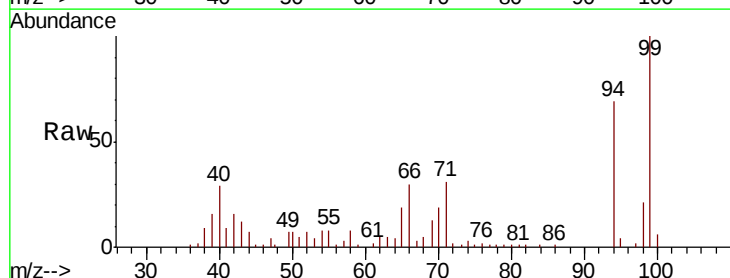
Tgt Ion: 94 Resp: 33393

Ion Ratio Lower Upper

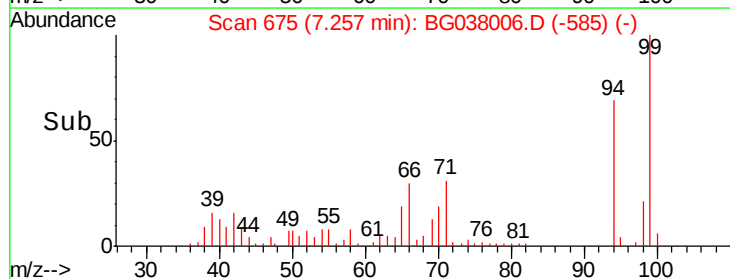
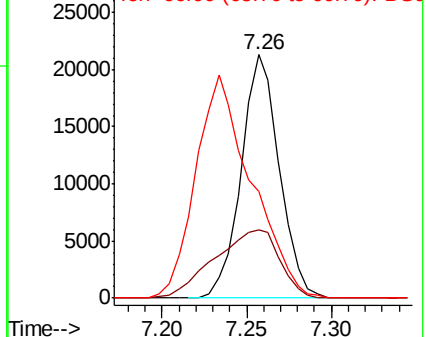
94 100

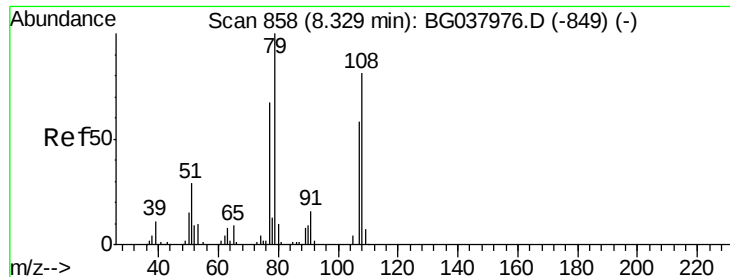
65 28.2 9.7 49.7

66 43.9 15.9 55.9



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





#15

Benzyl Alcohol

Concen: 2.057 ng

RT: 8.41 min Scan# 871

Delta R.T. 0.08 min

Lab File: BG038006.D

Acq: 14 Nov 2018 20:56

Instrument :

BNA_G

ClientSampleId :

CG-SOIL

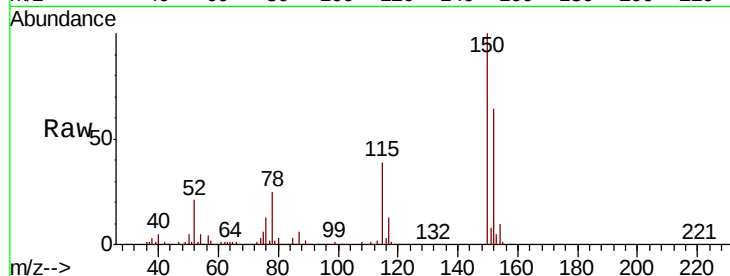
Tgt Ion: 79 Resp: 6197

Ion Ratio Lower Upper

79 100

108 32.5 65.8 98.8#

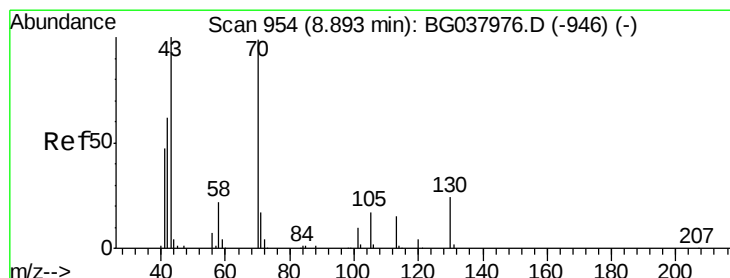
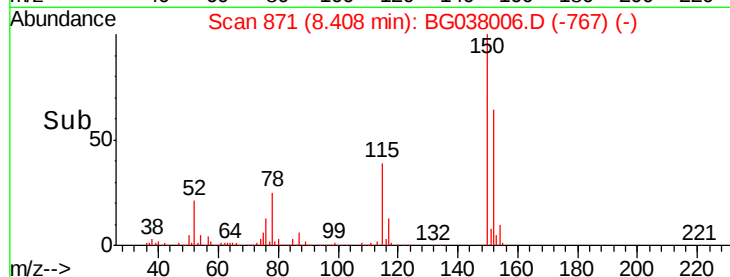
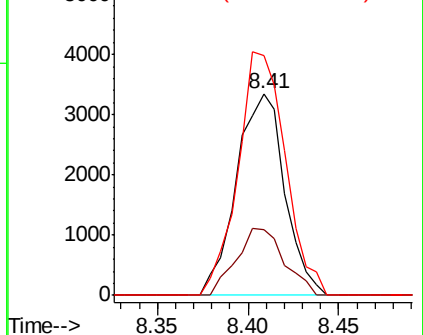
77 119.0 52.9 79.3#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 17.986 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.37 min

Lab File: BG038006.D

Acq: 14 Nov 2018 20:56

Tgt Ion: 70 Resp: 54197

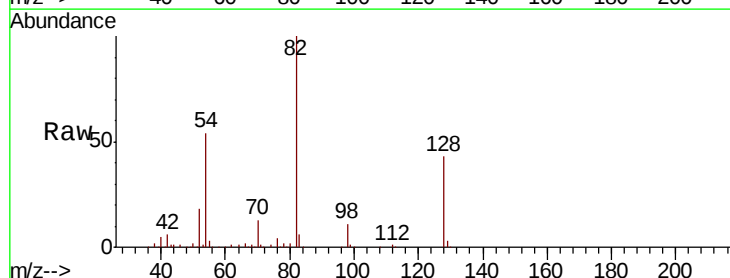
Ion Ratio Lower Upper

70 100

42 49.2 53.9 80.9#

101 0.0 8.2 12.2#

130 2.6 18.2 27.4#

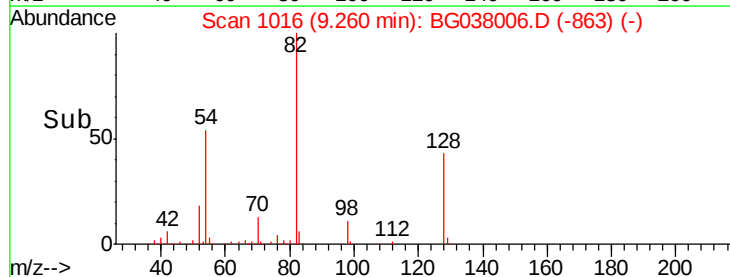
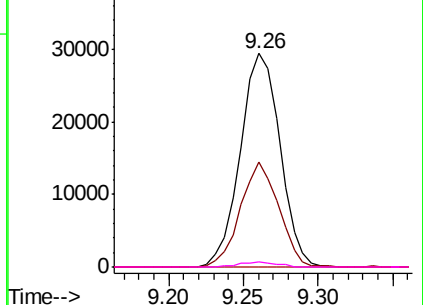


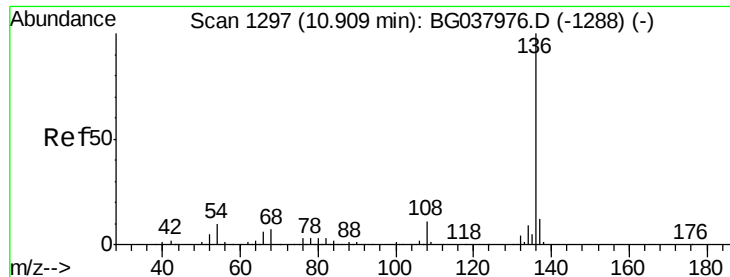
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

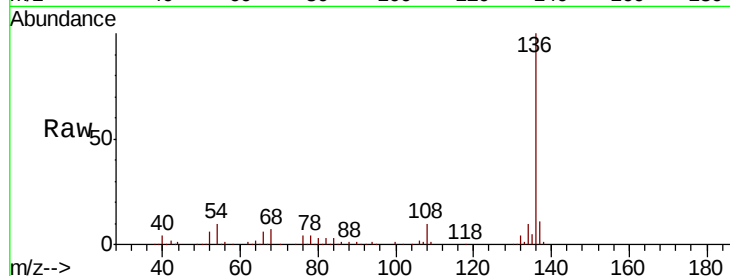




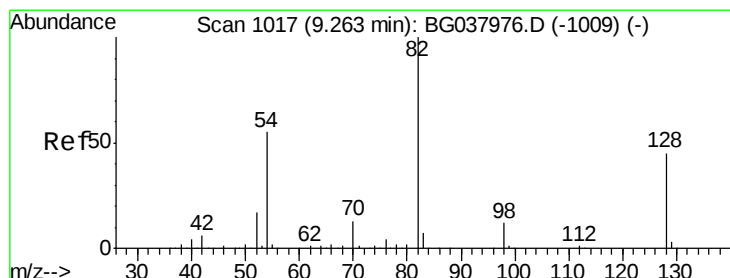
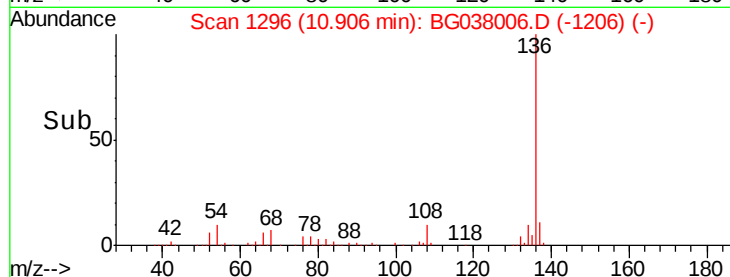
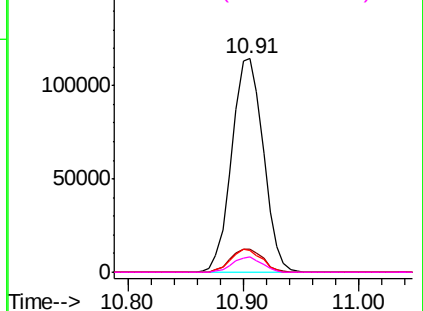
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BG038006.D
Acq: 14 Nov 2018 20:56

Instrument :
BNA_G
ClientSampleId :
CG-SOIL

Tgt Ion:	136	Resp:	216835
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.6	14.4
54	10.0	7.9	11.9
68	7.1	4.8	7.2

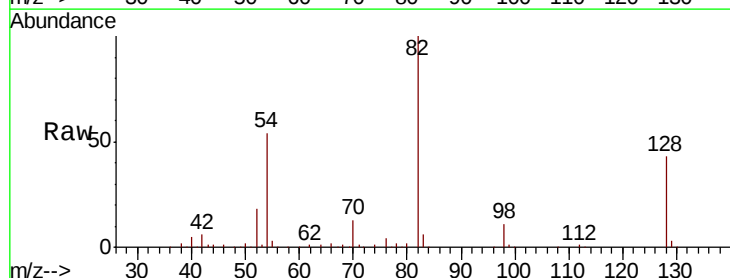


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

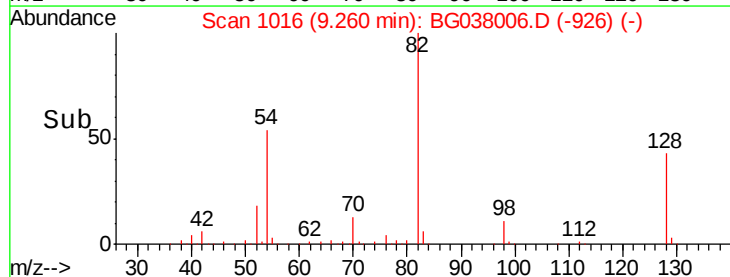
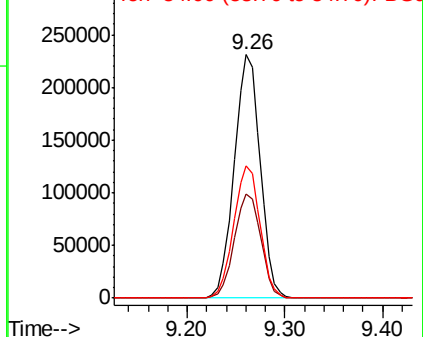


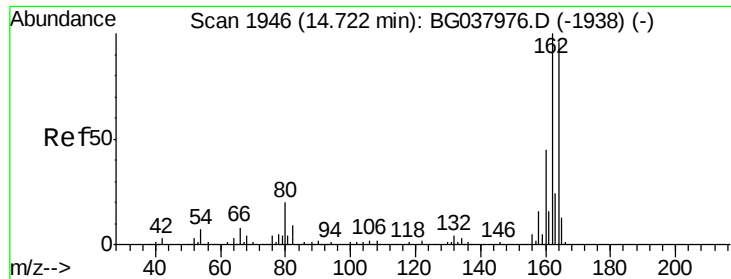
#23
Nitrobenzene-d5
Concen: 105.426 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG038006.D
Acq: 14 Nov 2018 20:56

Tgt Ion:	82	Resp:	427047
Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.6	51.8
54	54.1	45.3	67.9



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BG038006.D

Acq: 14 Nov 2018 20:56

Instrument :

BNA_G

ClientSampleId :

CG-SOIL

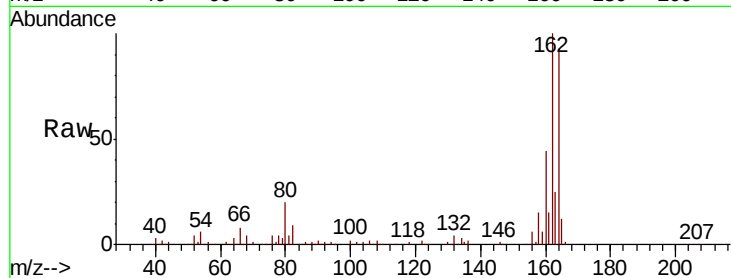
Tgt Ion:164 Resp: 138200

Ion Ratio Lower Upper

164 100

162 107.3 81.3 121.9

160 47.3 36.3 54.5

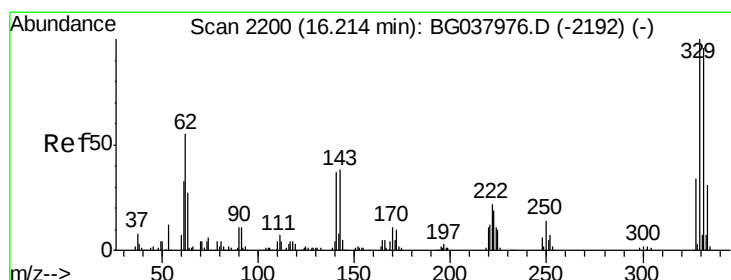
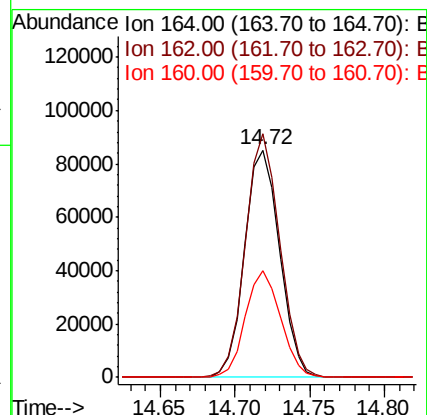
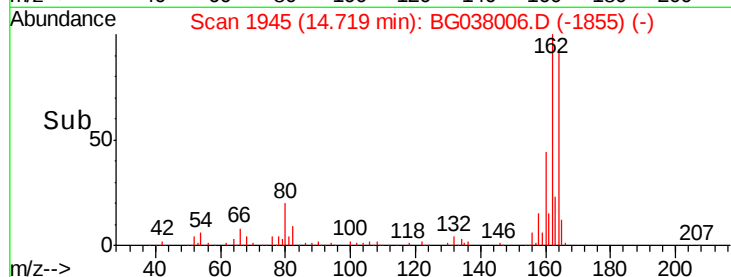


Abundance

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



#42

2,4,6-Tribromophenol

Concen: 159.330 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG038006.D

Acq: 14 Nov 2018 20:56

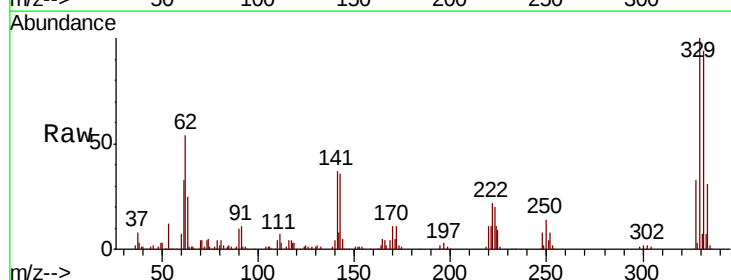
Tgt Ion:330 Resp: 251126

Ion Ratio Lower Upper

330 100

332 95.5 78.4 117.6

141 40.4 32.2 48.2

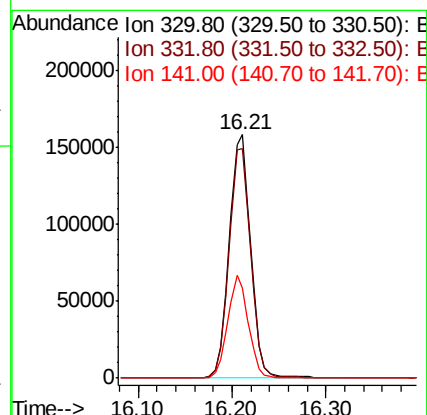
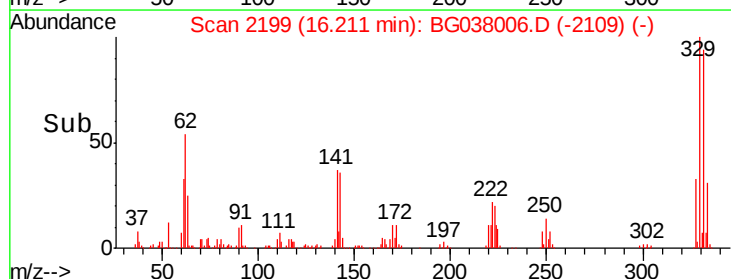


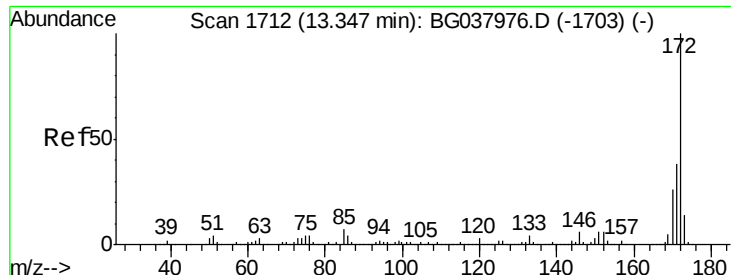
Abundance

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

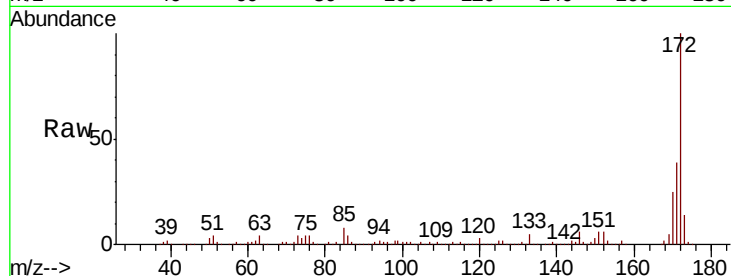




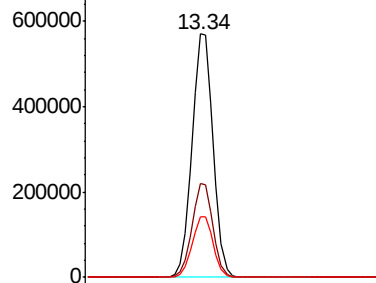
#45
2-Fluorobiphenyl
Concen: 100.160 ng
RT: 13.34 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BG038006.D
Acq: 14 Nov 2018 20:56

Instrument :
BNA_G
ClientSampleId :
CG-SOIL

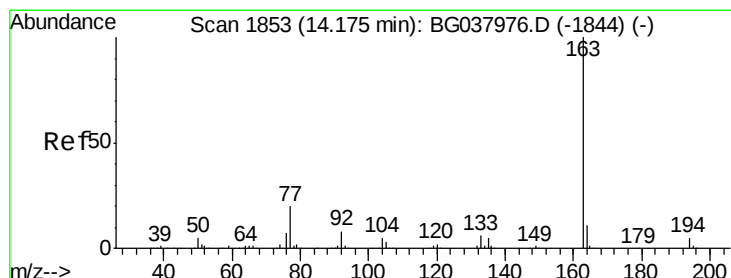
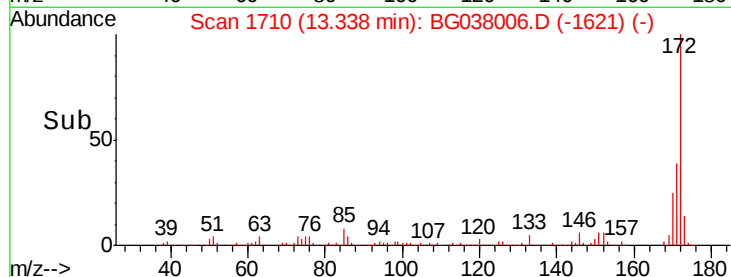
Tgt Ion:172 Resp: 950141
Ion Ratio Lower Upper
172 100
171 38.5 31.0 46.4
170 25.1 20.2 30.2



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

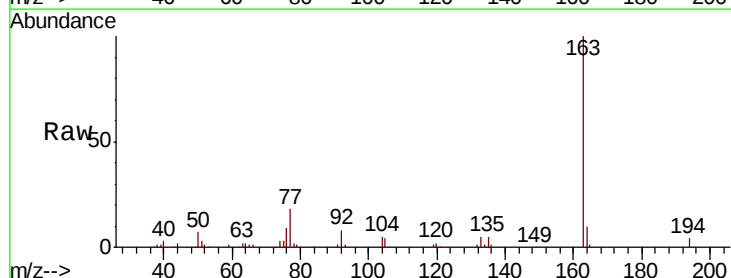


Time-->

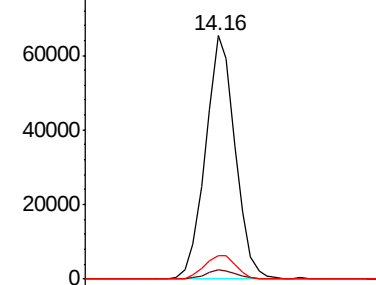


#50
Dimethylphthalate
Concen: 8.703 ng
RT: 14.16 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BG038006.D
Acq: 14 Nov 2018 20:56

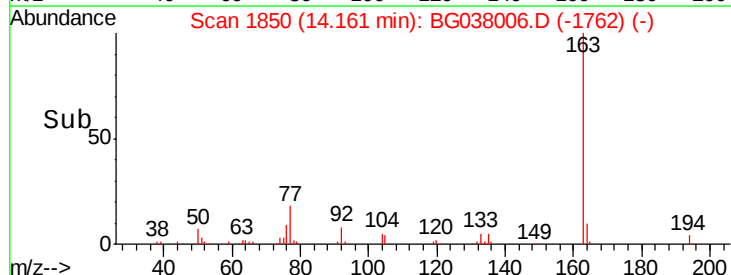
Tgt Ion:163 Resp: 95351
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 9.6 8.5 12.7

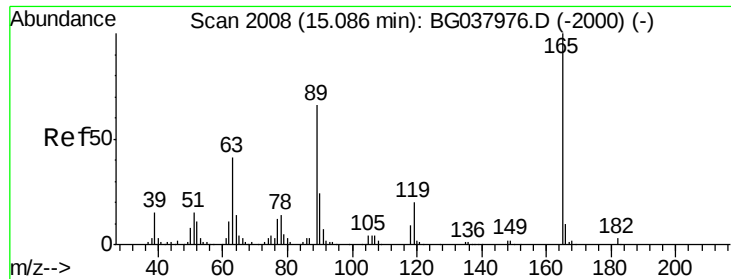


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



Time-->

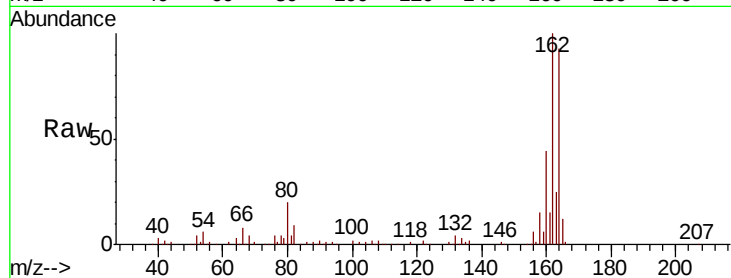




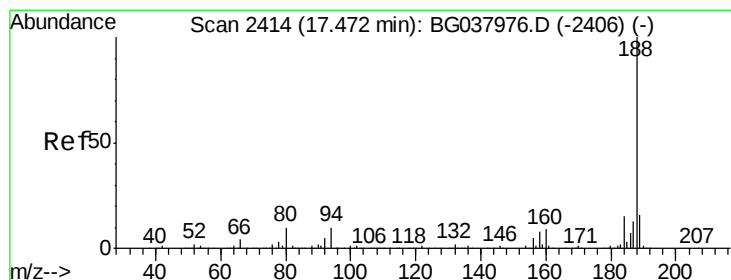
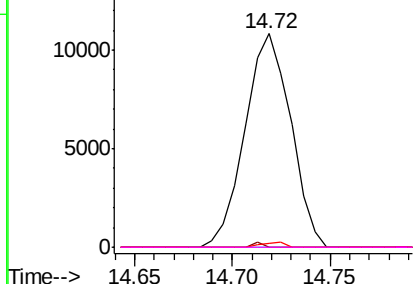
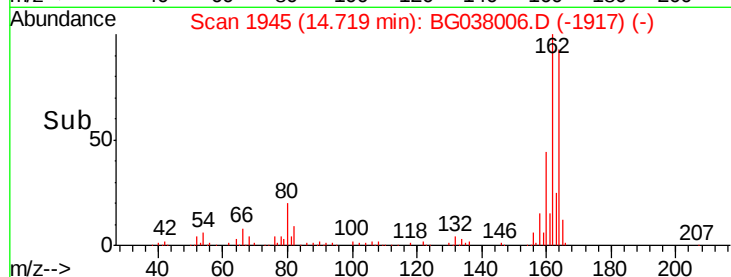
#57
 2,4-Dinitrotoluene
 Concen: 5.207 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038006.D
 Acq: 14 Nov 2018 20:56

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL

Tgt Ion:165 Resp: 17569
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.4 50.0#
 89 1.7 57.2 85.8#
 182 0.0 2.6 4.0#

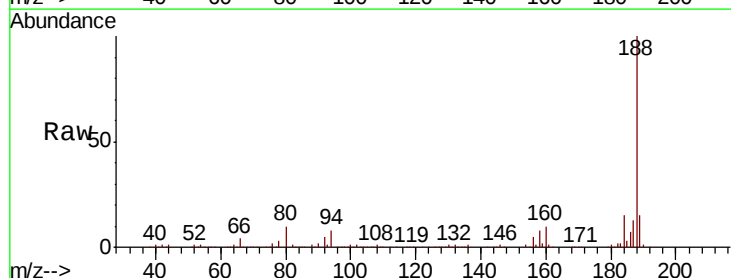


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

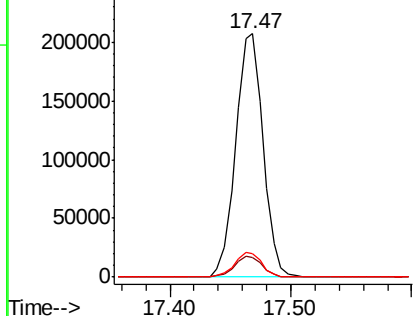
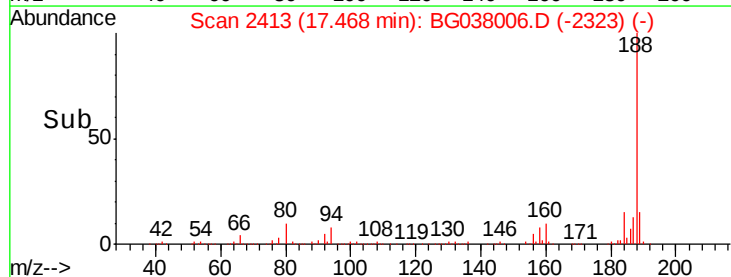


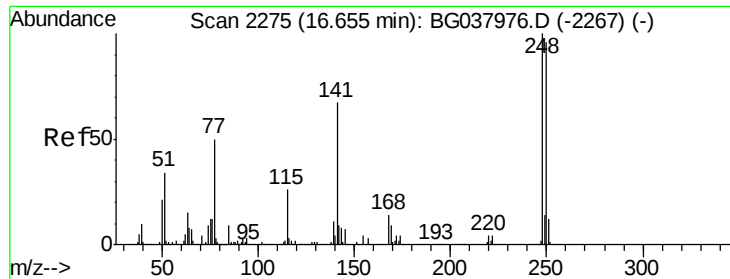
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2413
 Delta R.T. -0.00 min
 Lab File: BG038006.D
 Acq: 14 Nov 2018 20:56

Tgt Ion:188 Resp: 327093
 Ion Ratio Lower Upper
 188 100
 94 8.0 7.2 10.8
 80 9.6 7.7 11.5



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

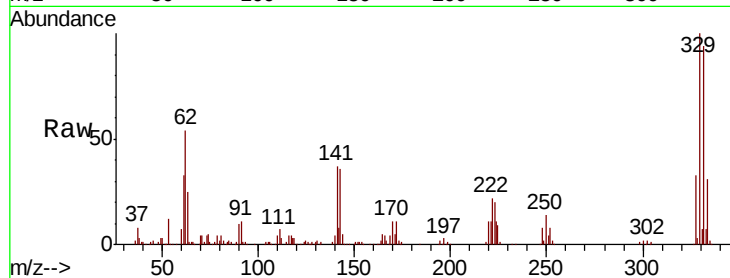




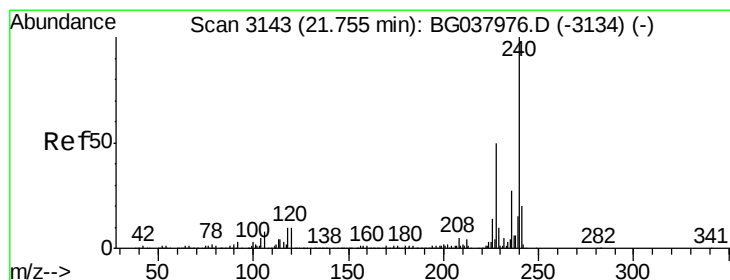
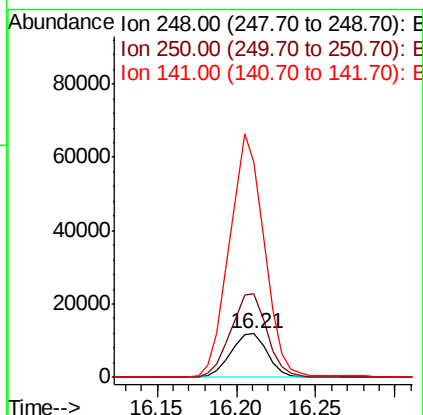
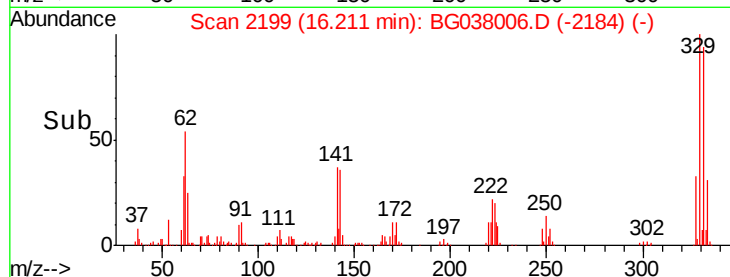
#67
4-Bromophenyl-phenylether
Concen: 5.336 ng
RT: 16.21 min Scan# 2199
Delta R.T. -0.44 min
Lab File: BG038006.D
Acq: 14 Nov 2018 20:56

Instrument :
BNA_G
ClientSampleId :
CG-SOIL

Tgt Ion:248 Resp: 19156
Ion Ratio Lower Upper
248 100
250 190.7 77.0 115.6#
141 385.0 55.5 83.3#

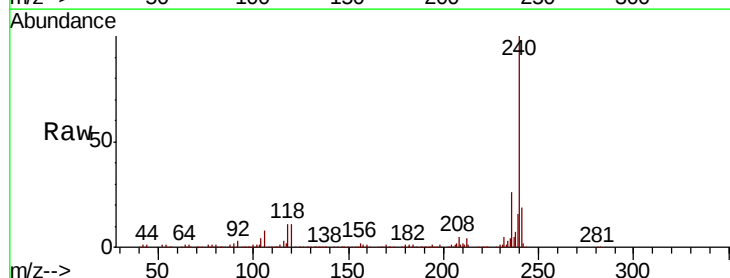


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

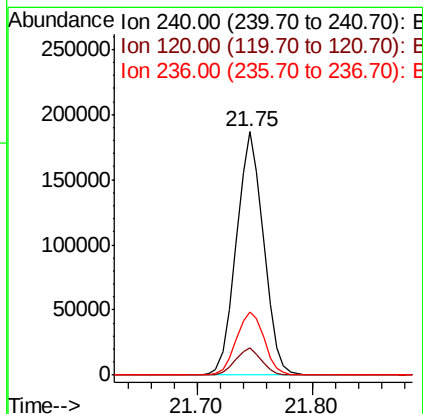
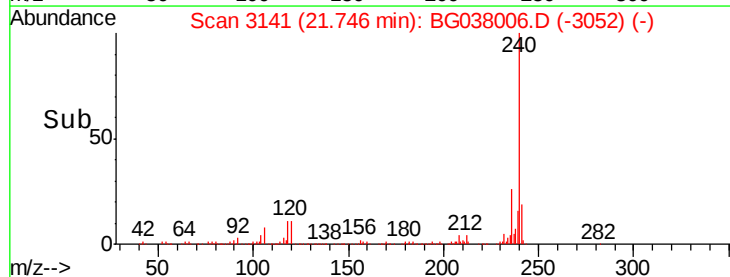


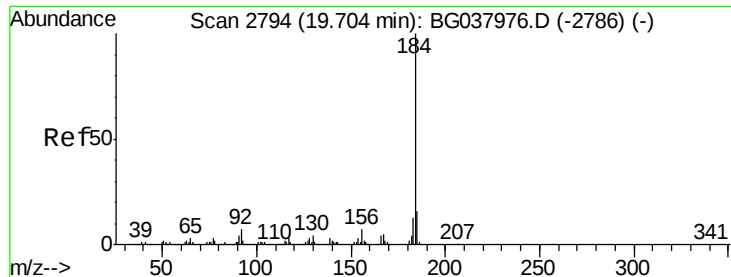
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BG038006.D
Acq: 14 Nov 2018 20:56

Tgt Ion:240 Resp: 304604
Ion Ratio Lower Upper
240 100
120 11.0 8.1 12.1
236 25.9 21.4 32.0



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





#77

Benzidine

Concen: 2.177 ng

RT: 20.07 min Scan# 2855

Delta R.T. 0.36 min

Lab File: BG038006.D

Acq: 14 Nov 2018 20:56

Instrument :

BNA_G

ClientSampleId :

CG-SOIL

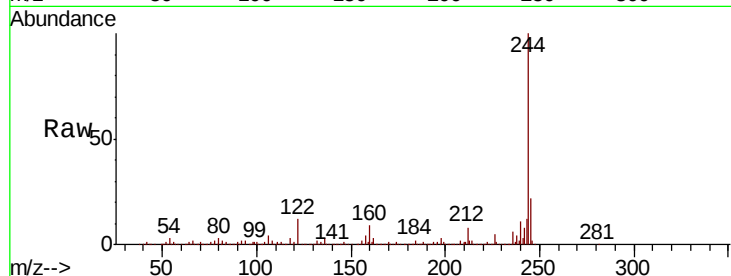
Tgt Ion:184 Resp: 23265

Ion Ratio Lower Upper

184 100

185 16.5 12.6 18.8

183 8.6 10.2 15.2#

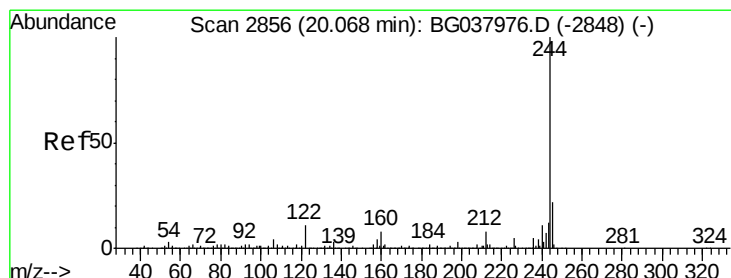
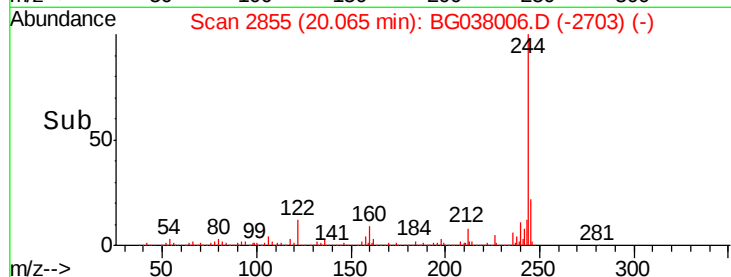
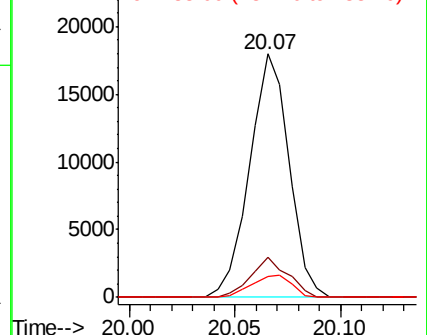


Abundance

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



#79

Terphenyl-d14

Concen: 104.636 ng

RT: 20.07 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG038006.D

Acq: 14 Nov 2018 20:56

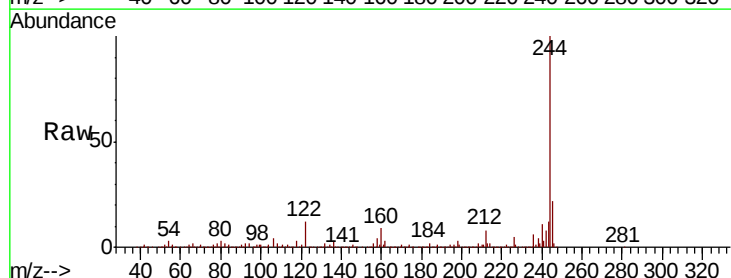
Tgt Ion:244 Resp: 1354544

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

122 11.7 9.0 13.4

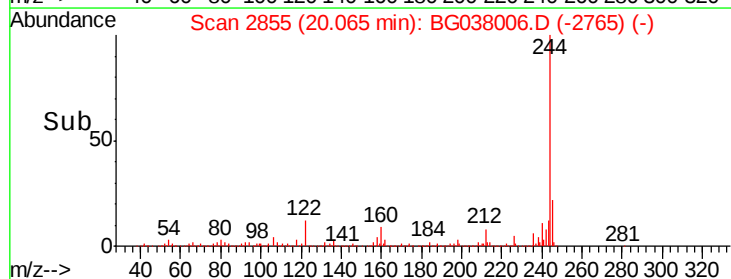
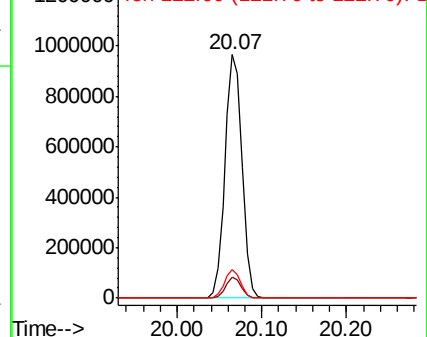


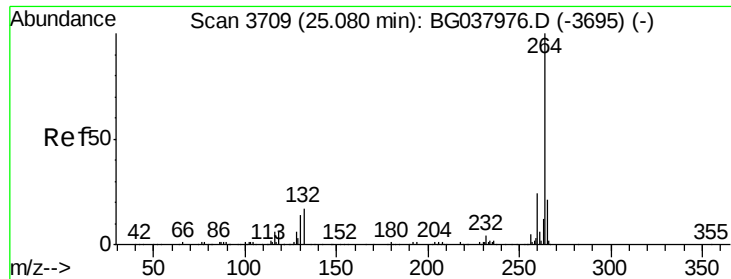
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.07 min Scan# 3706
Delta R.T. -0.01 min
Lab File: BG038006.D
Acq: 14 Nov 2018 20:56

Instrument :
BNA_G
ClientSampleId :
CG-SOIL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.4
265	21.0	17.9	26.9

