

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083018\
 Data File : BG036487.D
 Acq On : 30 Aug 2018 20:47
 Operator : JU/SJ
 Sample : J4699-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2

Quant Time: Aug 31 01:37:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 23 12:07:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	59694	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	244816	20.00	ng	-0.01
38) Acenaphthene-d10	14.69	164	159575	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	416654	20.00	ng	-0.01
75) Chrysene-d12	21.69	240	446228	20.00	ng	-0.02
86) Perylene-d12	24.91	264	437720	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	389666	103.55	ng	0.00
7) Phenol-d6	7.21	99	473700	87.92	ng	0.00
23) Nitrobenzene-d5	9.22	82	391791	86.83	ng	-0.01
41) 2,4,6-Tribromophenol	16.17	330	213893	112.33	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	911177	81.53	ng	-0.01
78) Terphenyl-d14	20.03	244	1578189	82.67	ng	-0.02

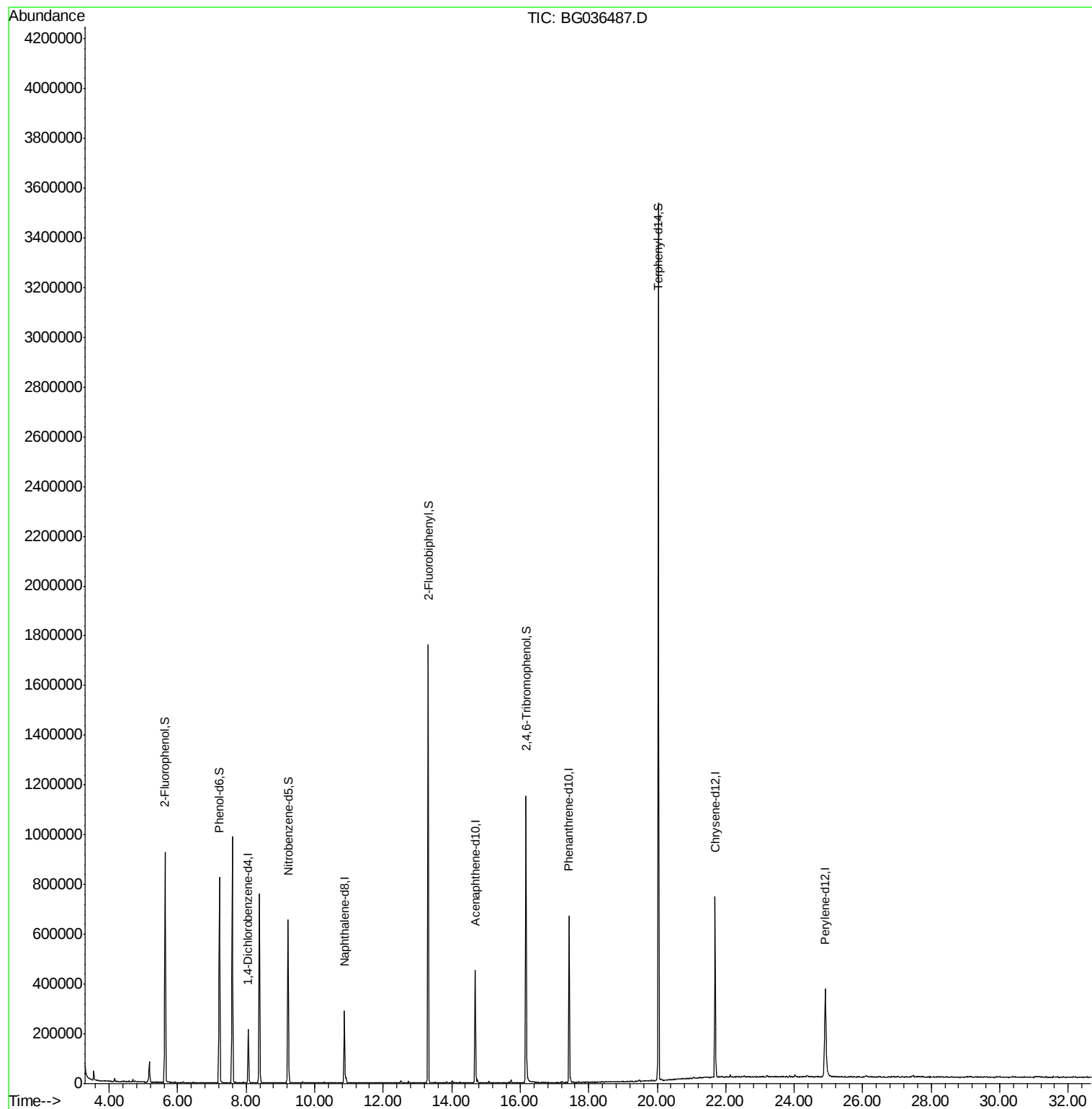
Target Compounds Qvalue

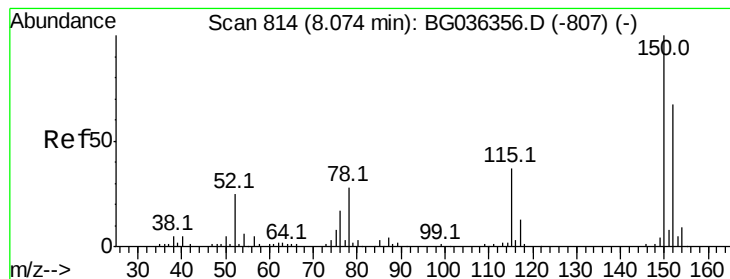
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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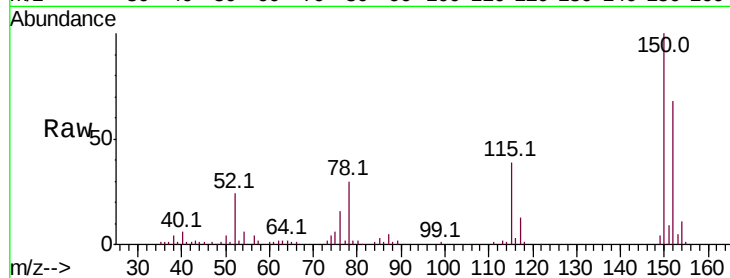


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BG036487.D
 Acq: 30 Aug 2018 20:47

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.5	119.5	179.3
115	56.4	44.5	66.7

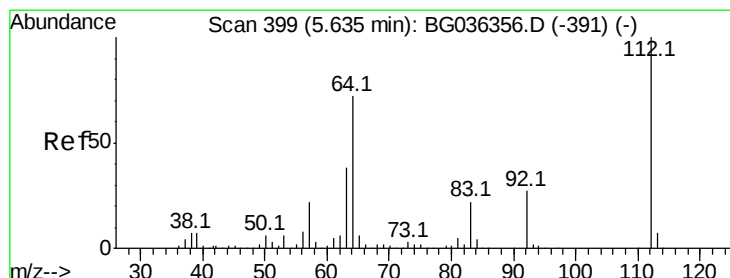
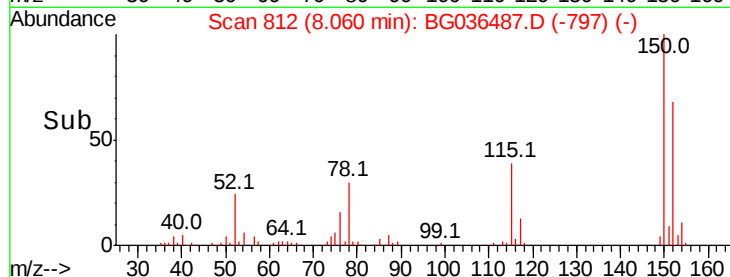
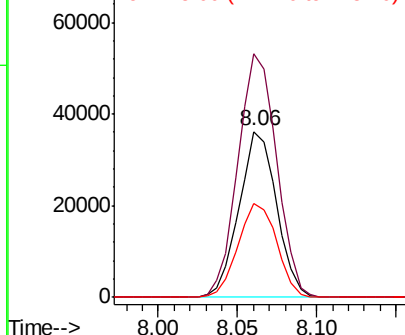


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

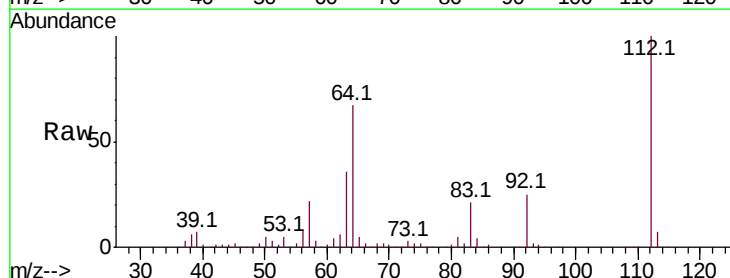
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 103.549 ng
 RT: 5.63 min Scan# 399
 Delta R.T. -0.00 min
 Lab File: BG036487.D
 Acq: 30 Aug 2018 20:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	57.2	85.8
63	35.9	30.8	46.2

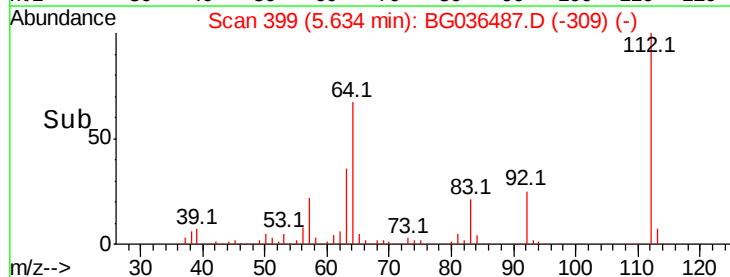
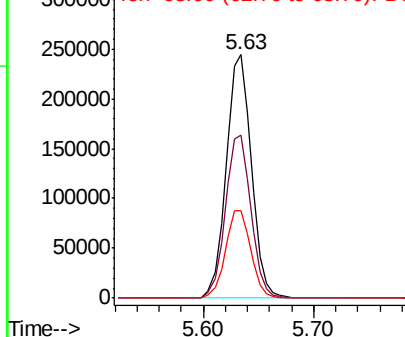


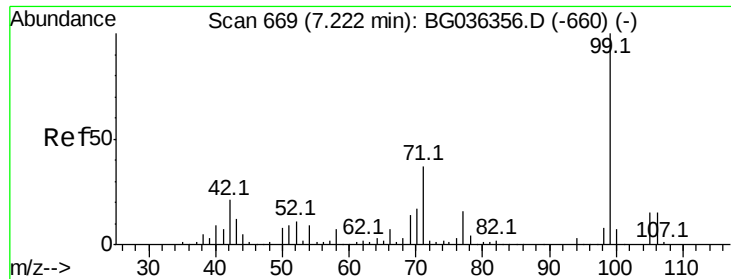
Abundance

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: 87.920 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036487.D

Acq: 30 Aug 2018 20:47

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2

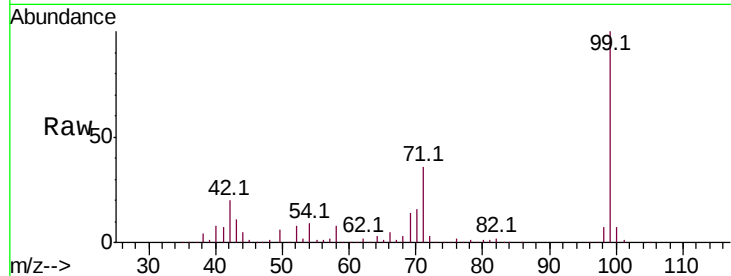
Tot Ion: 99 Resp: 473700

Ion Ratio Lower Upper

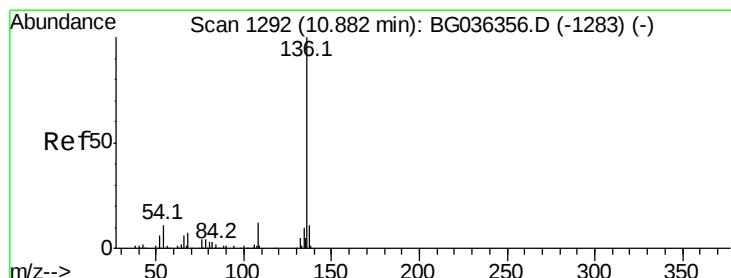
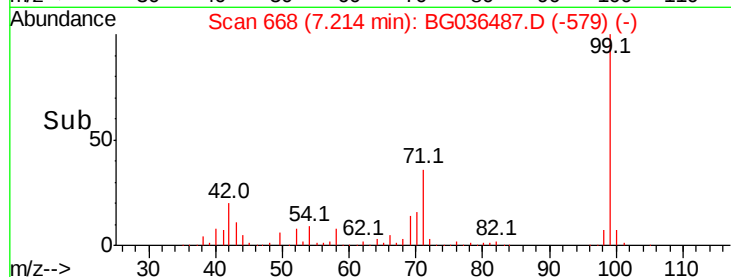
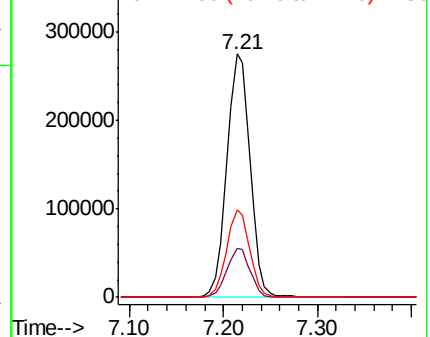
99 100

42 20.0 16.5 24.7

71 36.2 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BG036487.D

Acq: 30 Aug 2018 20:47

Tgt Ion: 136 Resp: 244816

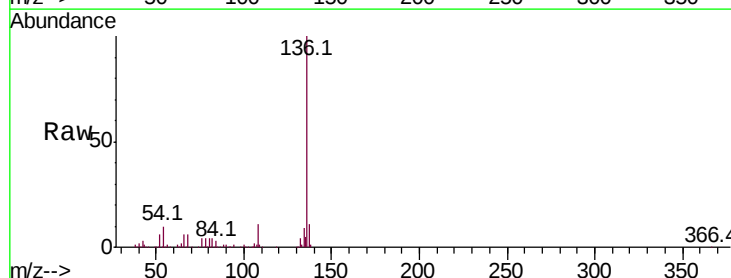
Ion Ratio Lower Upper

136 100

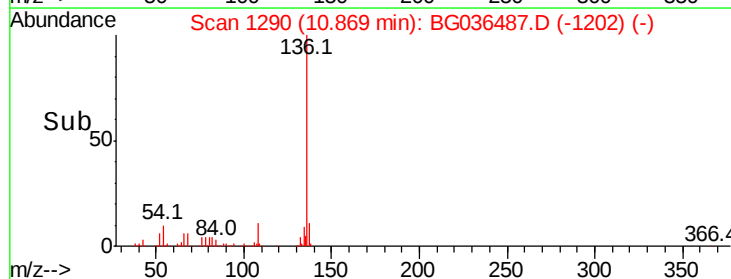
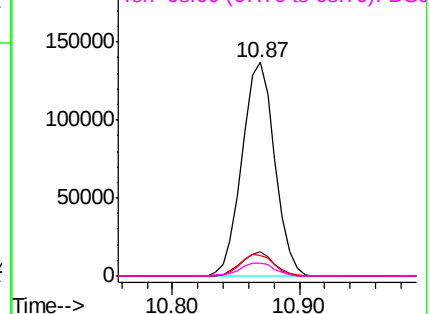
137 11.2 8.8 13.2

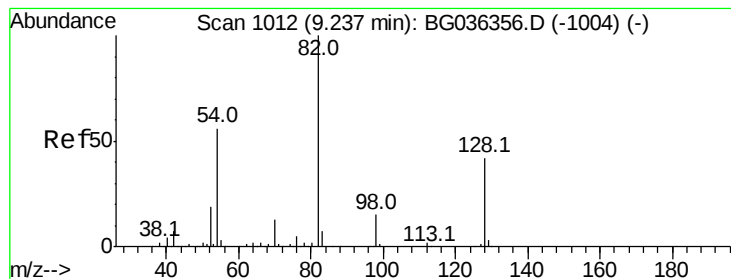
54 9.5 9.2 13.8

68 5.9 5.8 8.6



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





#23

Nitrobenzene-d5

Concen: 86.830 ng

RT: 9.22 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BG036487.D

Acq: 30 Aug 2018 20:47

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2

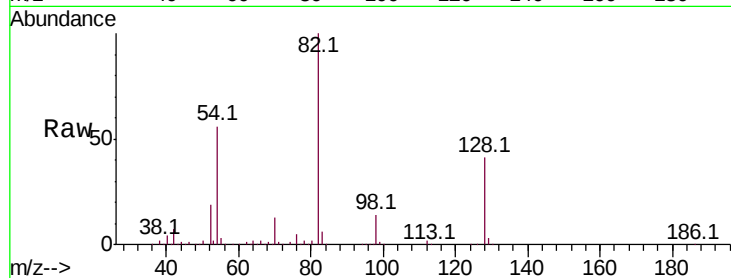
Tot Ion: 82 Resp: 391791

Ion Ratio Lower Upper

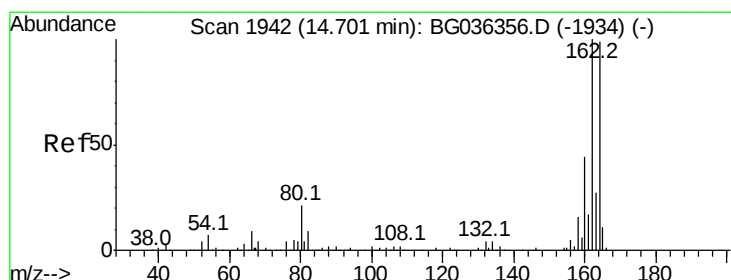
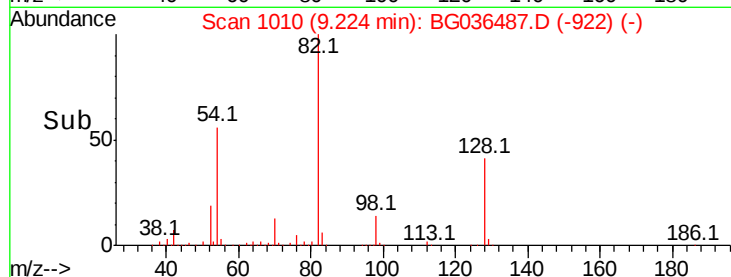
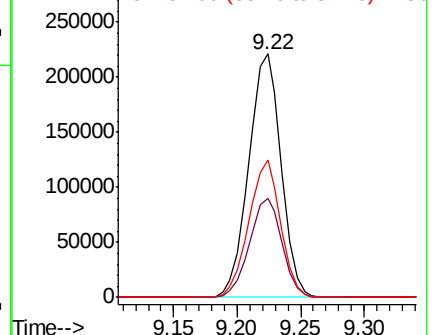
82 100

128 40.7 33.3 49.9

54 56.2 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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG036487.D

Acq: 30 Aug 2018 20:47

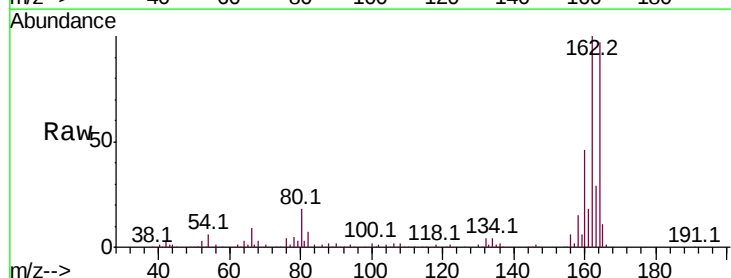
Tgt Ion:164 Resp: 159575

Ion Ratio Lower Upper

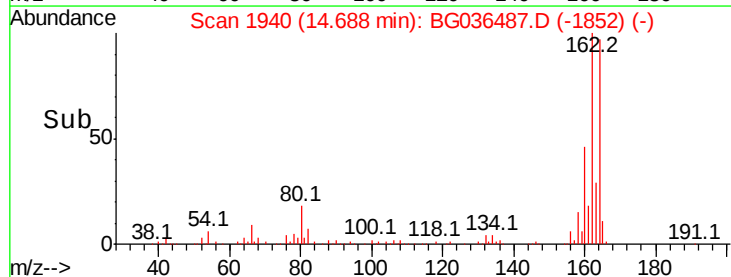
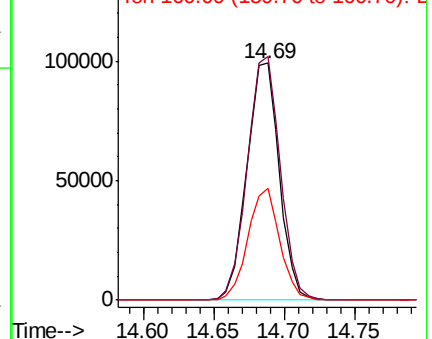
164 100

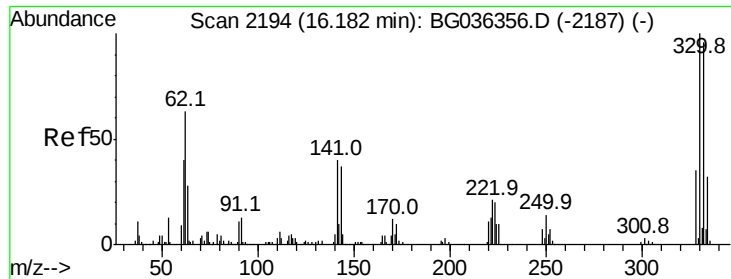
162 102.9 80.7 121.1

160 47.0 35.3 52.9



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

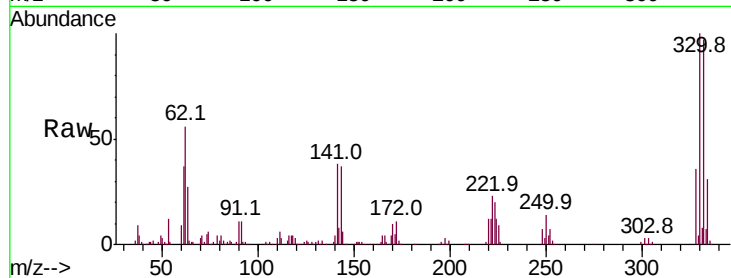




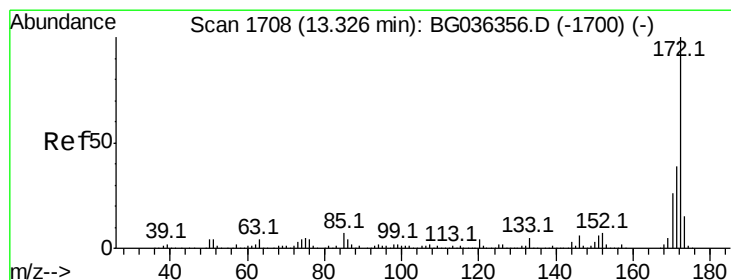
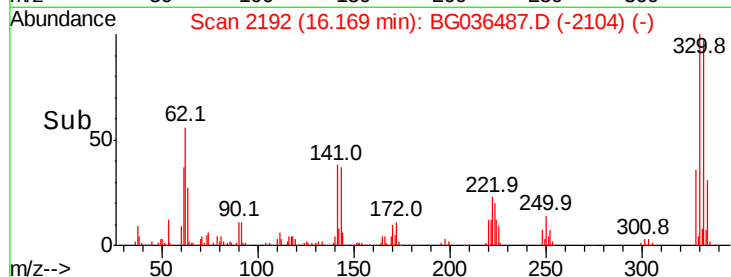
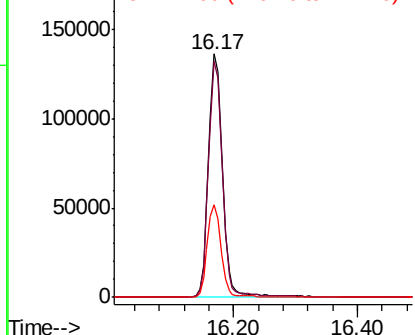
#41
 2,4,6-Tribromophenol
 Concen: 112.334 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.01 min
 Lab File: BG036487.D
 Acq: 30 Aug 2018 20:47

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2

Tot Ion:330 Resp: 213893
 Ion Ratio Lower Upper
 330 100
 332 94.7 75.4 113.2
 141 37.8 30.7 46.1

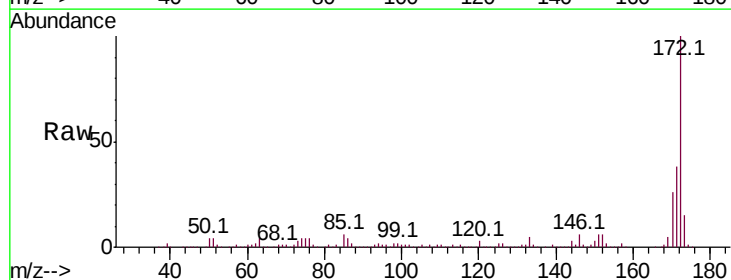


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

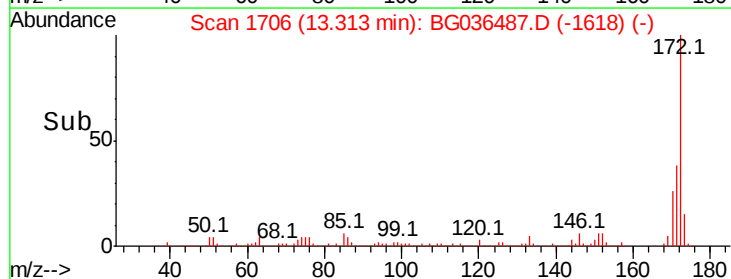
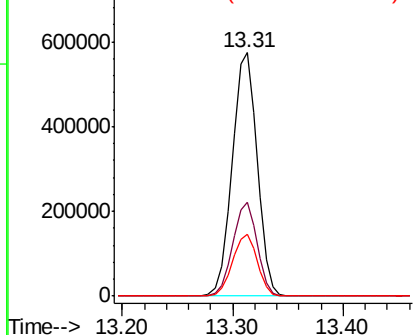


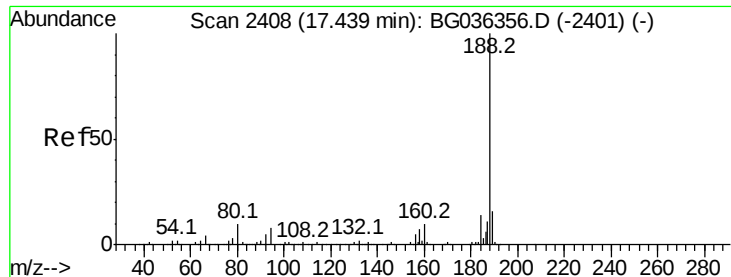
#44
 2-Fluorobiphenyl
 Concen: 81.529 ng
 RT: 13.31 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: BG036487.D
 Acq: 30 Aug 2018 20:47

Tgt Ion:172 Resp: 911177
 Ion Ratio Lower Upper
 172 100
 171 38.4 31.3 46.9
 170 25.6 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

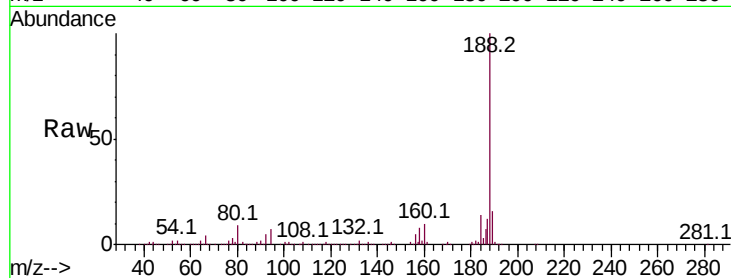




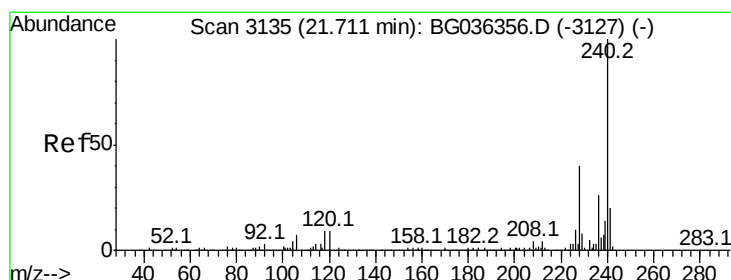
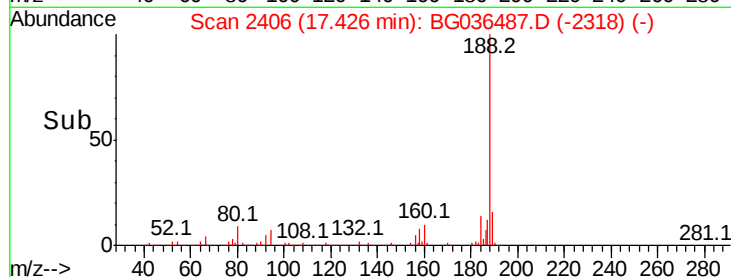
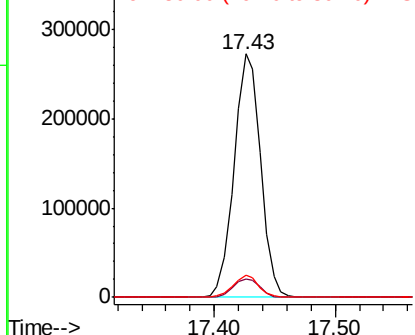
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2406
Delta R.T. -0.01 min
Lab File: BG036487.D
Acq: 30 Aug 2018 20:47

Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2

Tot Ion:188 Resp: 416654
Ion Ratio Lower Upper
188 100
94 7.4 6.7 10.1
80 9.2 8.1 12.1

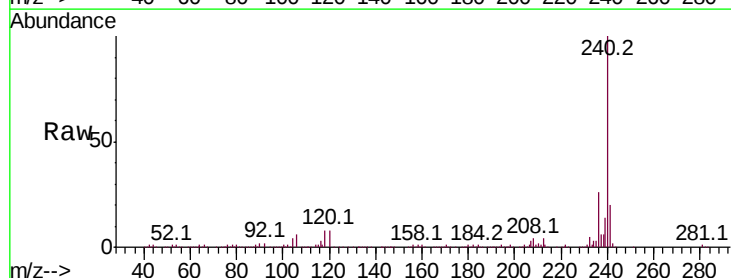


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

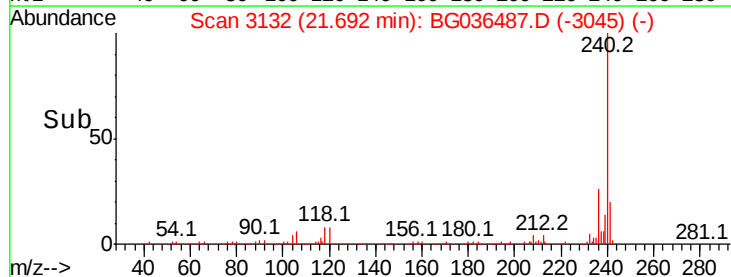
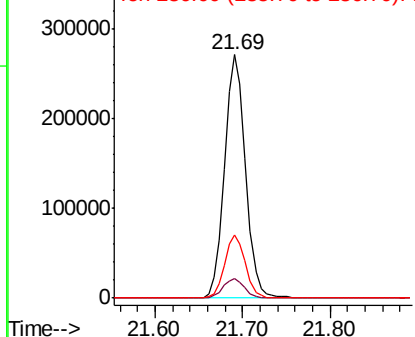


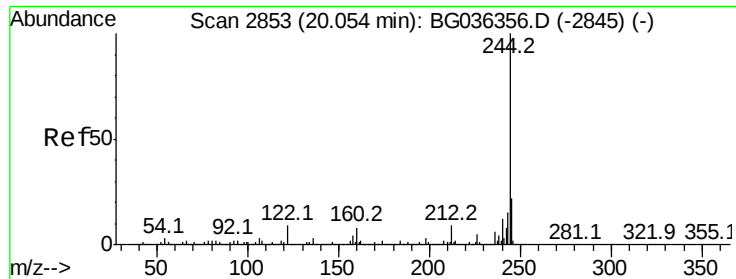
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3132
Delta R.T. -0.02 min
Lab File: BG036487.D
Acq: 30 Aug 2018 20:47

Tgt Ion:240 Resp: 446228
Ion Ratio Lower Upper
240 100
120 8.3 6.9 10.3
236 25.9 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





#78

Terphenyl-d14

Concen: 82.666 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG036487.D

Acq: 30 Aug 2018 20:47

Instrument :

BNA_G

ClientSampleId :

CG-SOIL-2

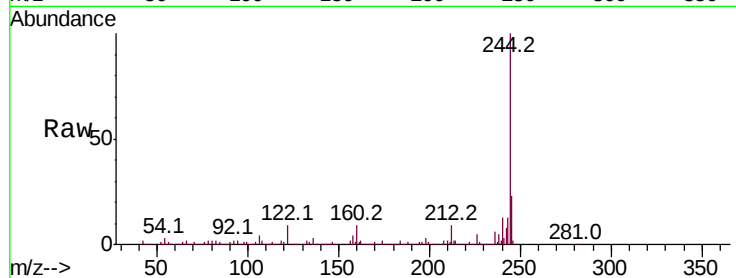
Tot Ion:244 Resp: 1578189

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.0	10.6
122	9.4	7.1	10.7

244 100

212 9.4 7.0 10.6

122 9.4 7.1 10.7

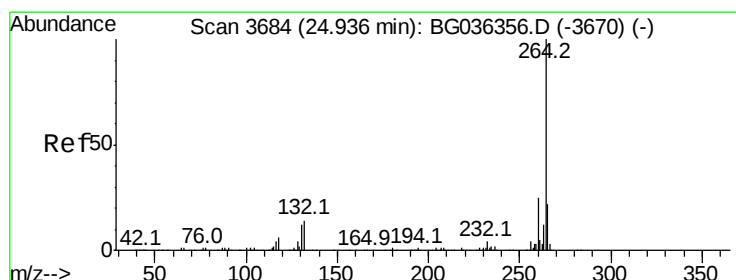
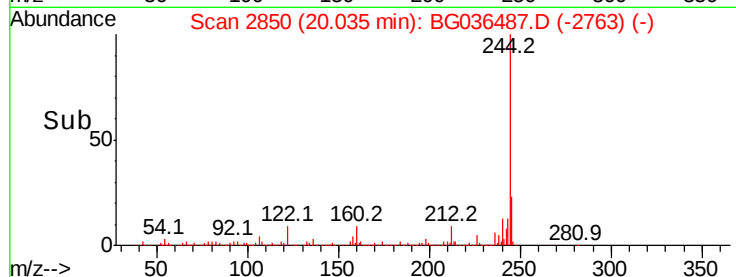
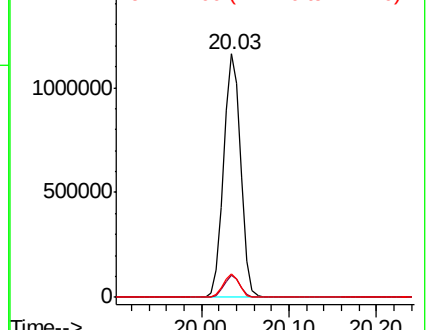


Abundance

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: 24.91 min Scan# 3679

Delta R.T. -0.03 min

Lab File: BG036487.D

Acq: 30 Aug 2018 20:47

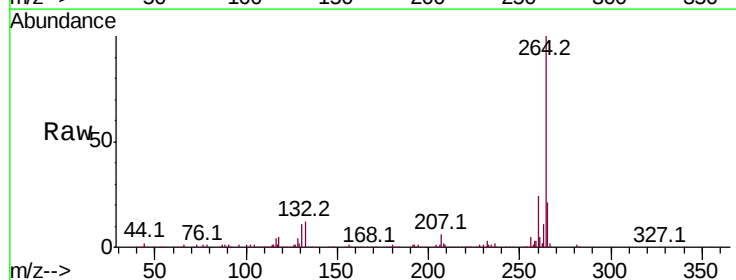
Tgt Ion:264 Resp: 437720

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.6	29.4
265	21.2	17.4	26.0

264 100

260 24.0 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

