

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 01:16:20 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

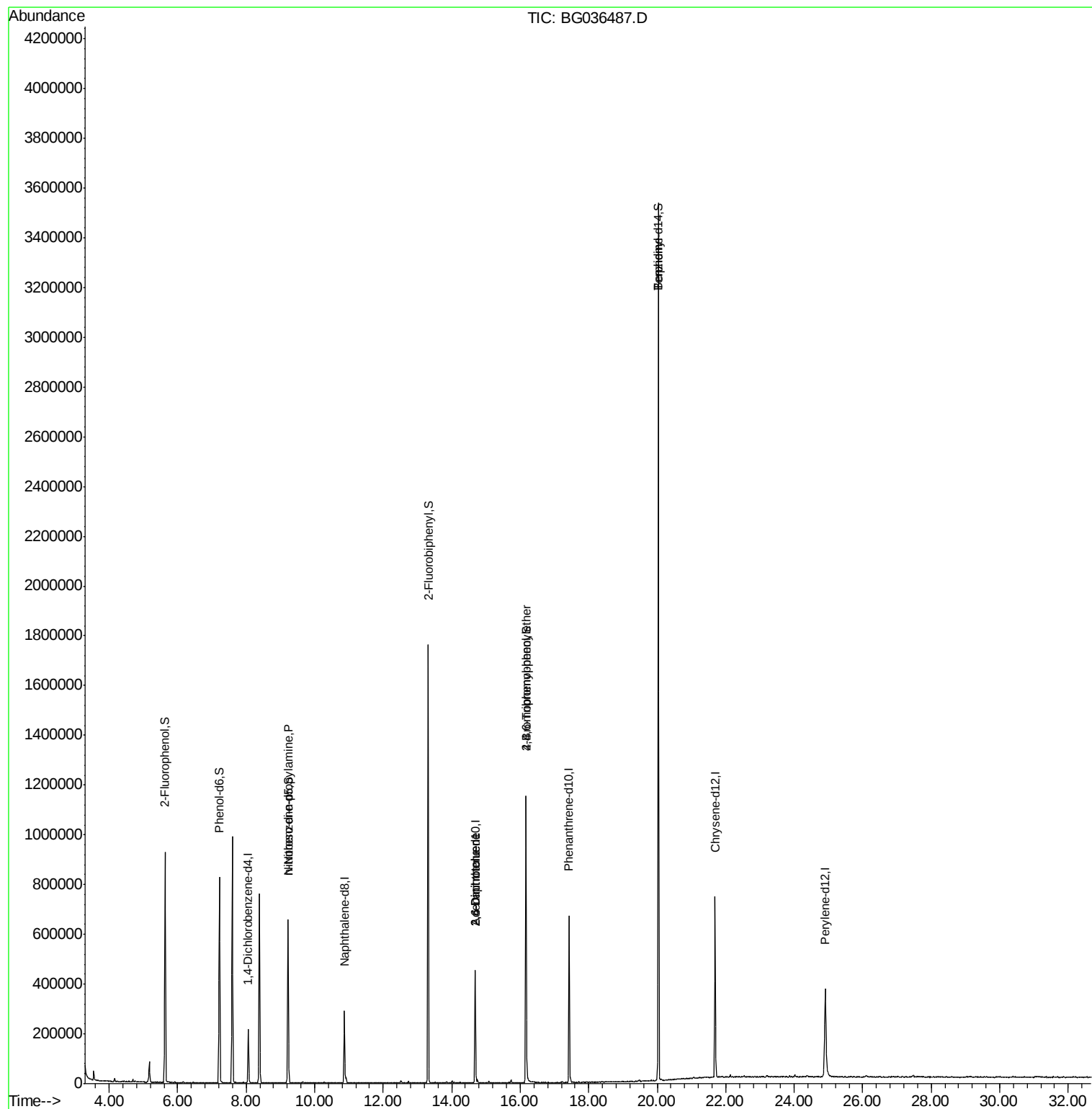
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	59694	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	244816	20.00	ng	-0.01
38) Acenaphthene-d10	14.69	164	159575	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	416654	20.00	ng	-0.01
75) Chrysene-d12	21.69	240	446228	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						
19) n-Nitroso-di-n-propylamine	9.22	70	53334	13.245	ng	# 74
50) 2,6-Dinitrotoluene	14.68	165	20555	7.666	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	20555	5.882	ng	# 19
66) 4-Bromophenyl-phenylether	16.17	248	14300	2.931	ng	# 1
76) Benzidine	20.03	184	28755	2.020	ng	# 92

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

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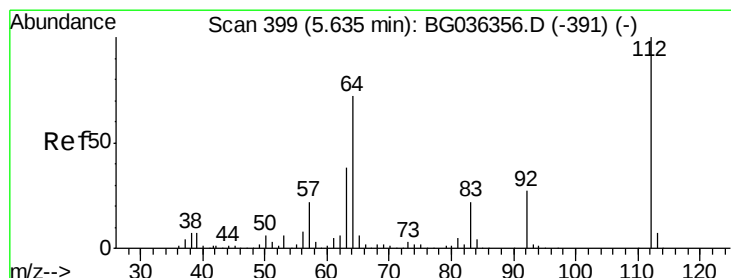
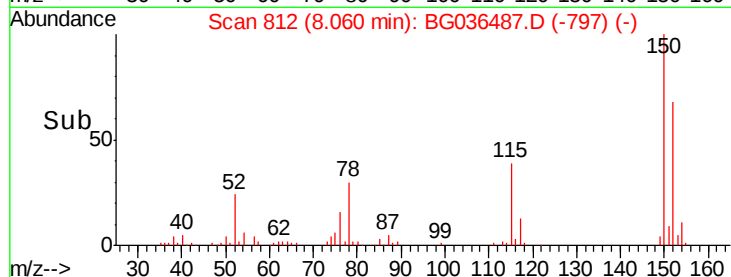
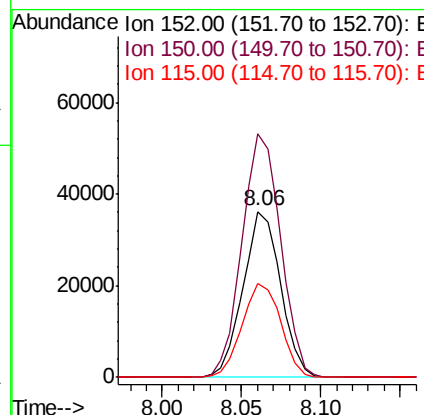
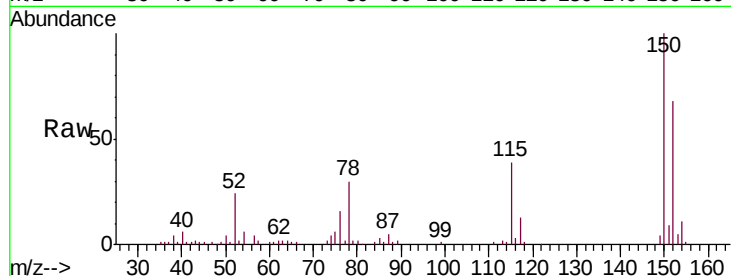




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BG036487.D
 Acq: 30 Aug 2018 20:47

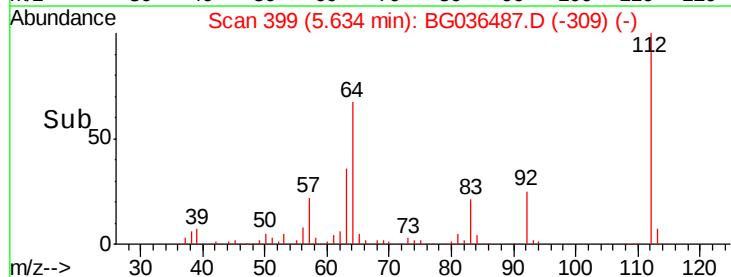
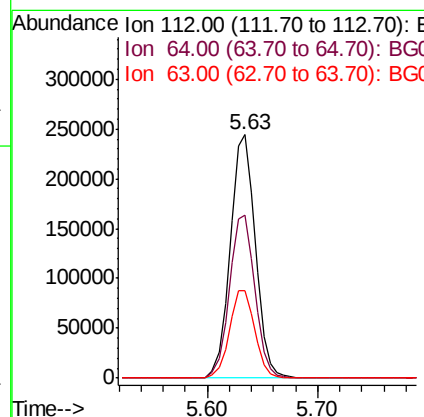
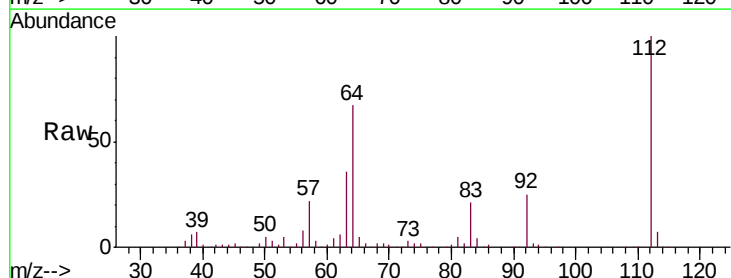
Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2

Tgt Ion:152 Resp: 59694
 Ion Ratio Lower Upper
 152 100
 150 146.5 119.5 179.3
 115 56.4 44.5 66.7



#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:112 Resp: 389666
 Ion Ratio Lower Upper
 112 100
 64 67.1 57.2 85.8
 63 35.9 30.8 46.2





#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

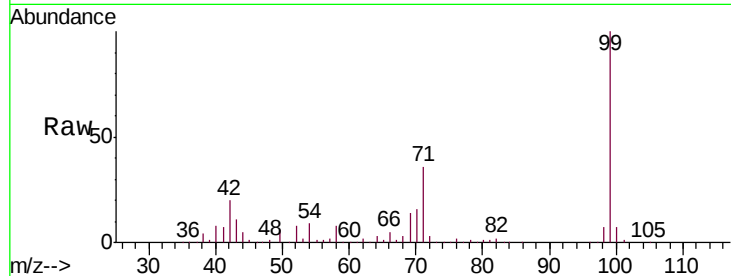
Tgt Ion: 99 Resp: 473700

Ion Ratio Lower Upper

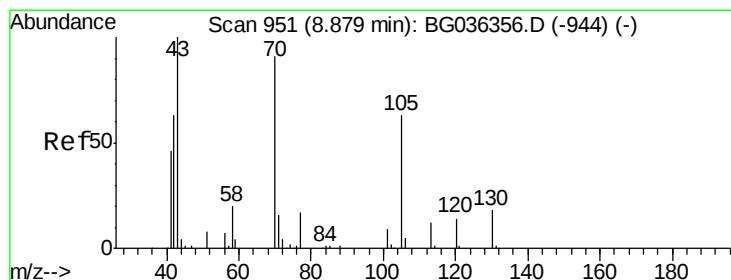
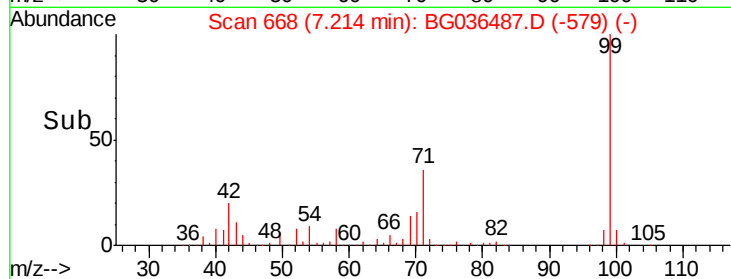
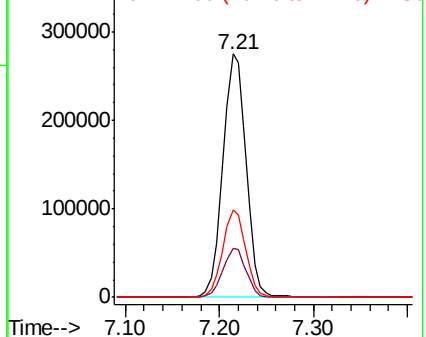
99 100

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



#19

n-Nitroso-di-n-propylamine

Concen: 13.245 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.35 min

Lab File: BG036487.D

Acq: 30 Aug 2018 20:47

Tgt Ion: 70 Resp: 53334

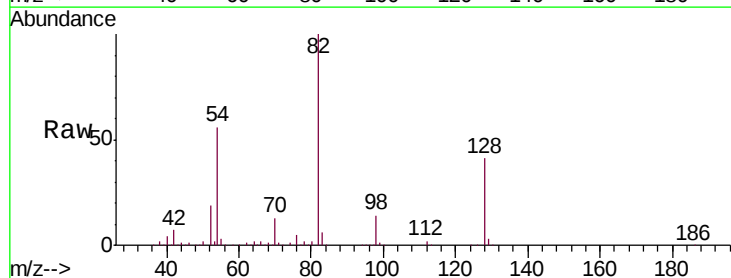
Ion Ratio Lower Upper

70 100

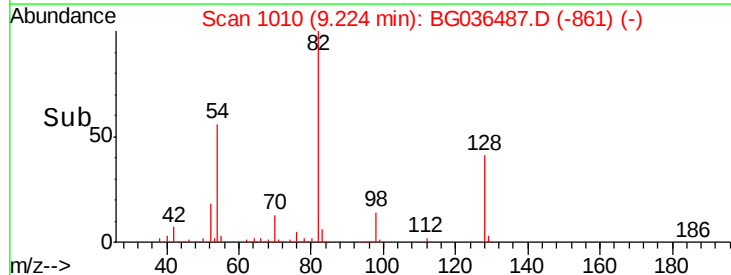
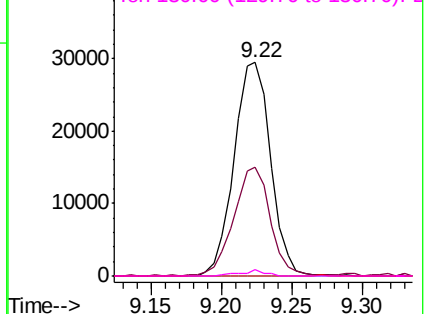
42 51.0 56.2 84.4#

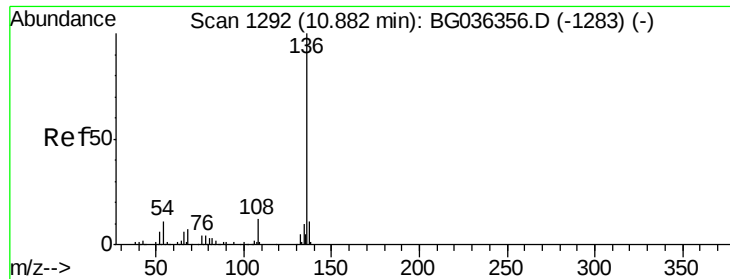
101 0.0 7.8 11.6#

130 3.2 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

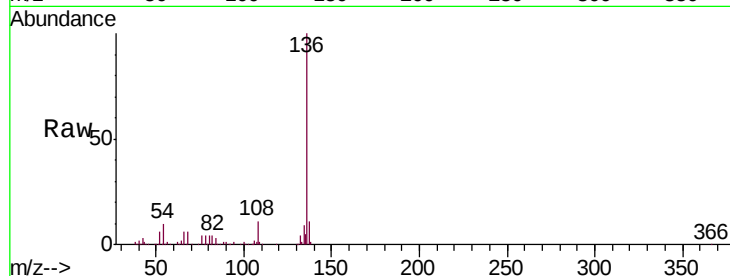




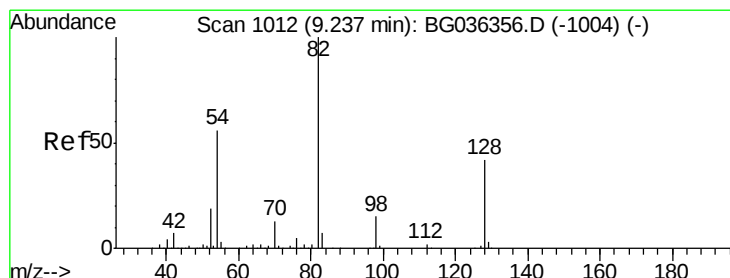
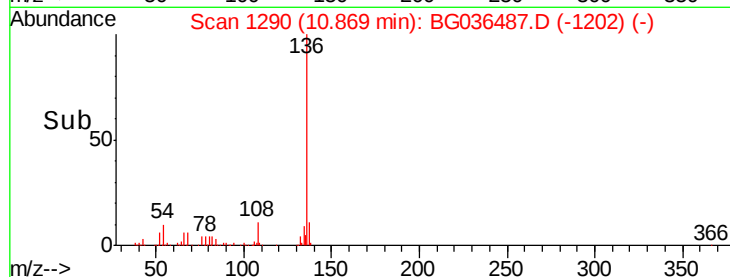
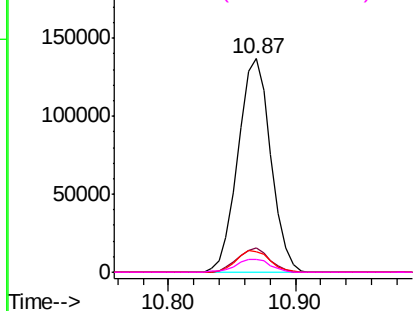
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BG036487.D
Acq: 30 Aug 2018 20:47

Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2

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

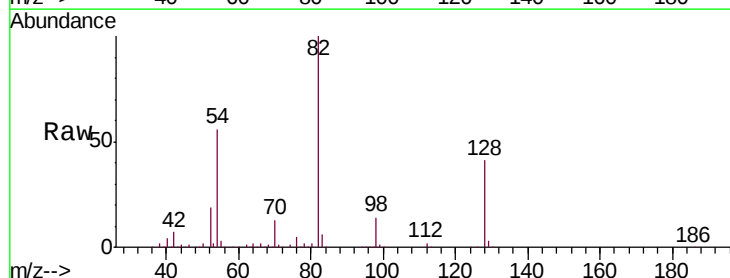


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

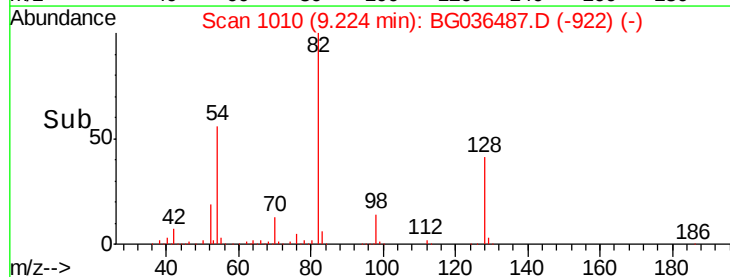
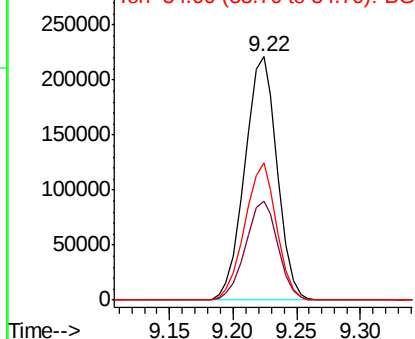


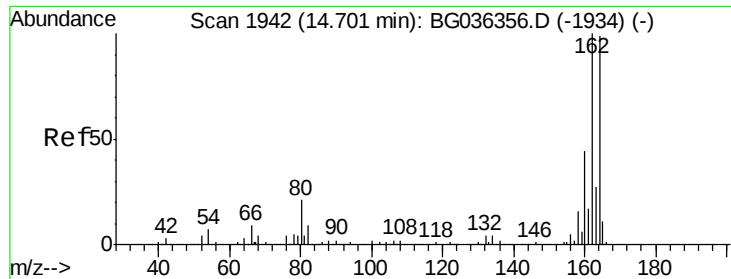
#23
Nitrobenzene-d5
Concen: 86.830 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BG036487.D
Acq: 30 Aug 2018 20:47

Tgt 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): E
Ion 54.00 (53.70 to 54.70): BGC

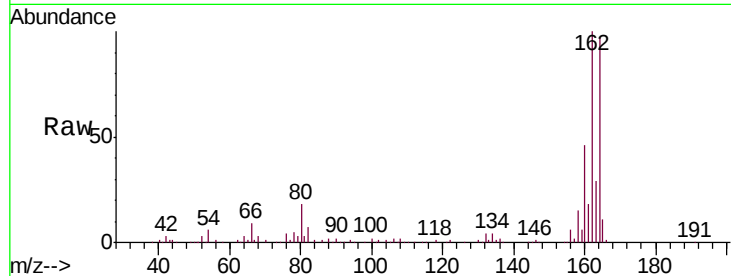




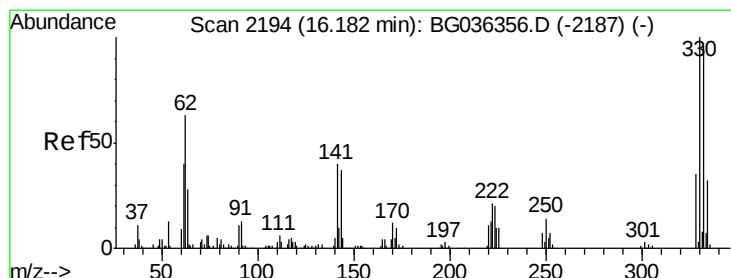
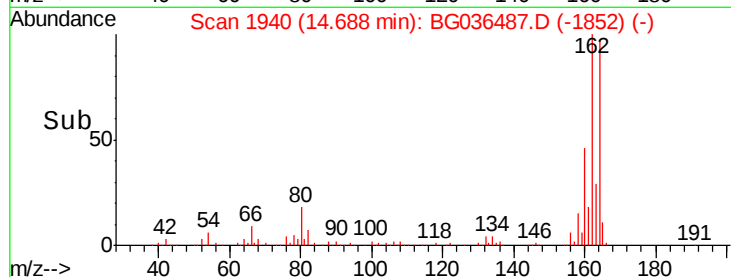
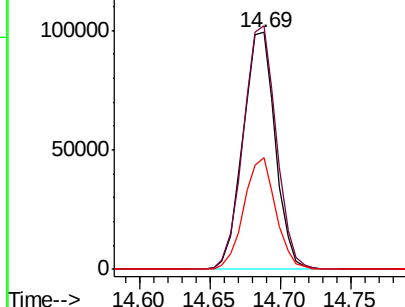
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG036487.D
Acq: 30 Aug 2018 20:47

Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2

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

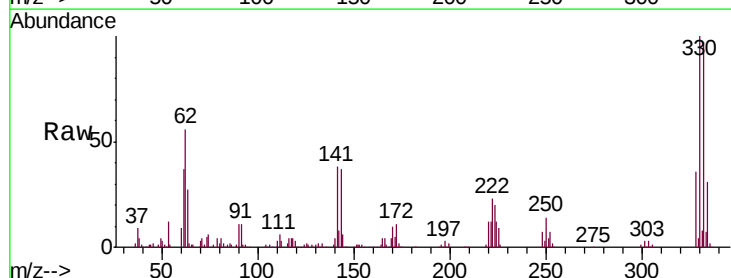


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

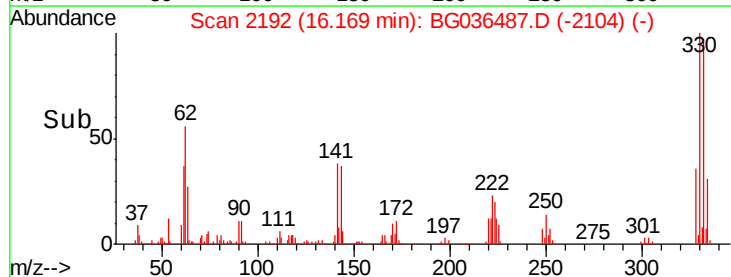
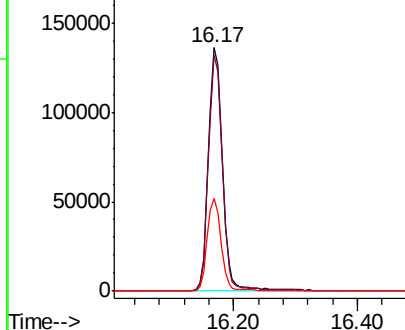


#41
2,4,6-Tribromophenol
Concen: 112.334 ng
RT: 16.17 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BG036487.D
Acq: 30 Aug 2018 20:47

Tgt 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

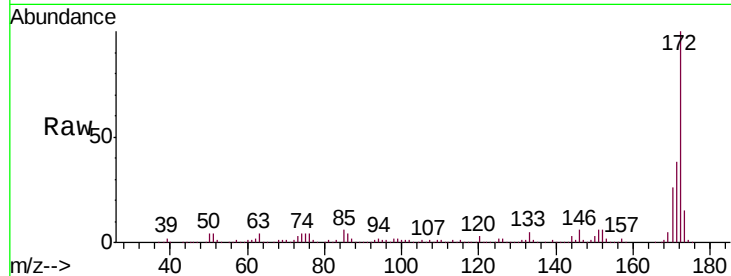




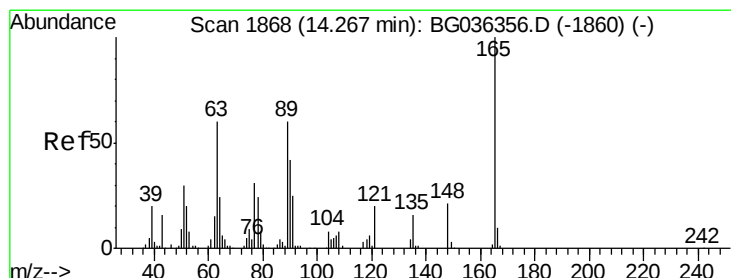
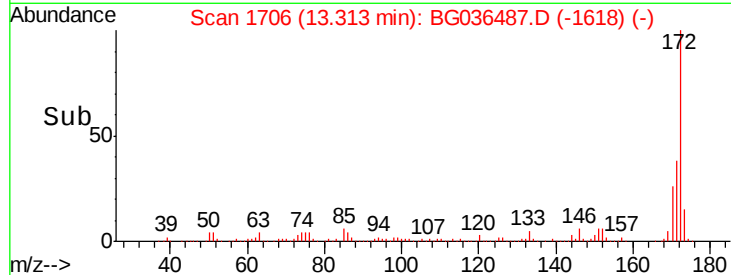
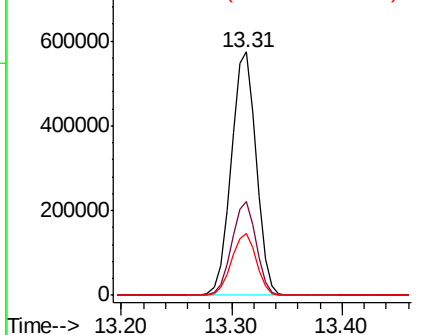
#44
 2-Fluorobiphenyl
 Concen: 81.529 ng
 RT: 13.31 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: BG036487.D
 Acq: 30 Aug 2018 20:47

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2

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

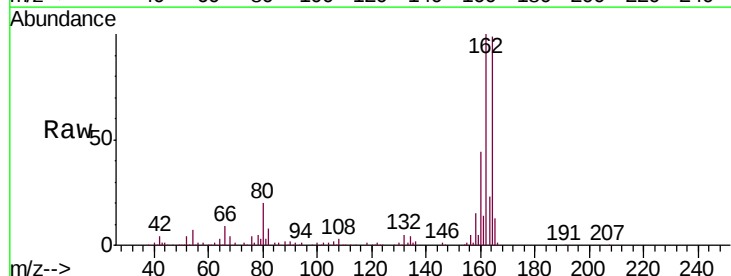


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

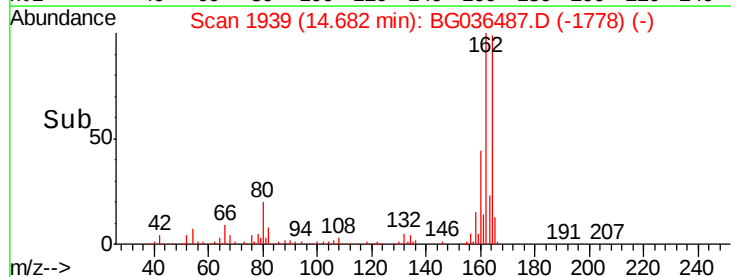
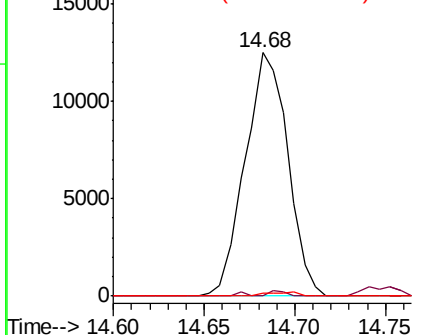


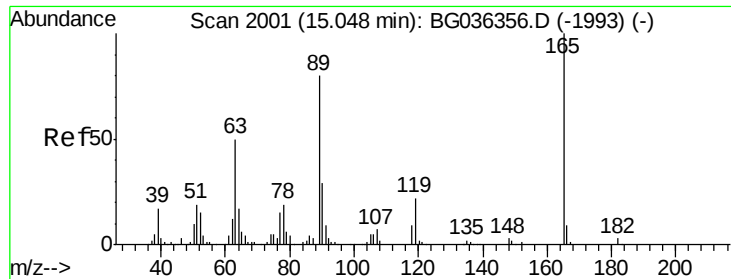
#50
 2,6-Dinitrotoluene
 Concen: 7.666 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.42 min
 Lab File: BG036487.D
 Acq: 30 Aug 2018 20:47

Tgt Ion:165 Resp: 20555
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 1.3 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

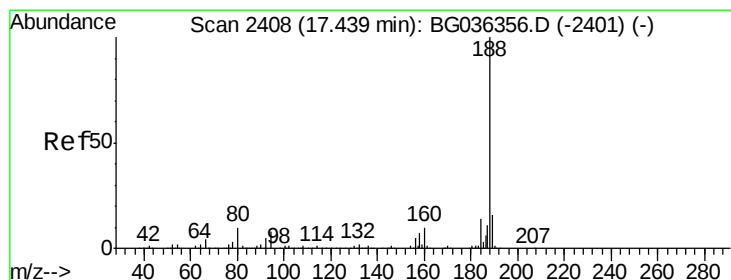
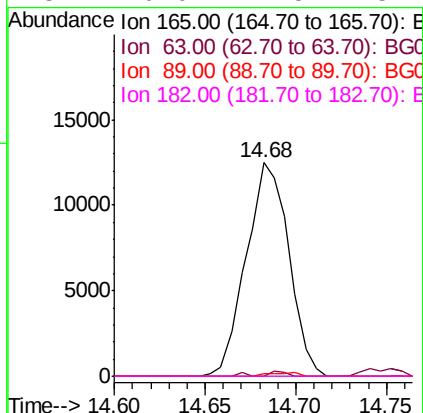
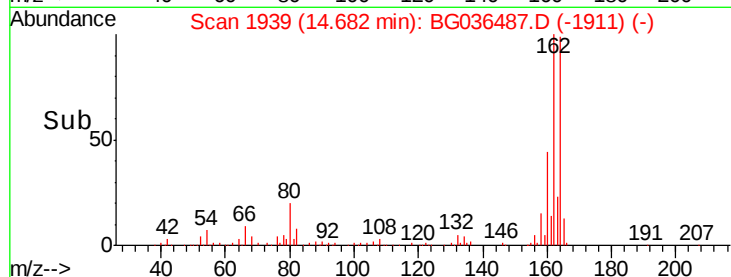
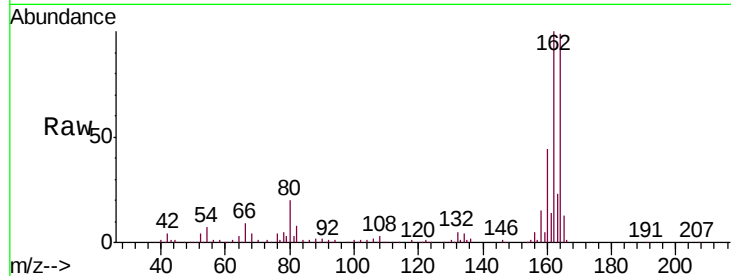




#56
2,4-Dinitrotoluene
Concen: 5.882 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.36 min
Lab File: BG036487.D
Acq: 30 Aug 2018 20:47

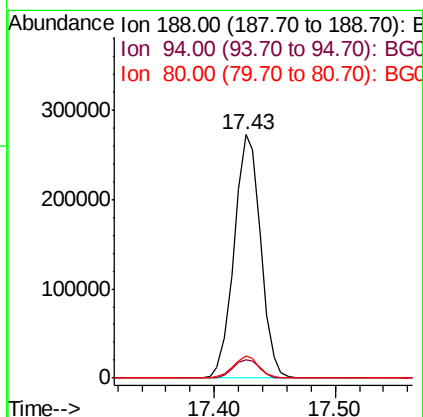
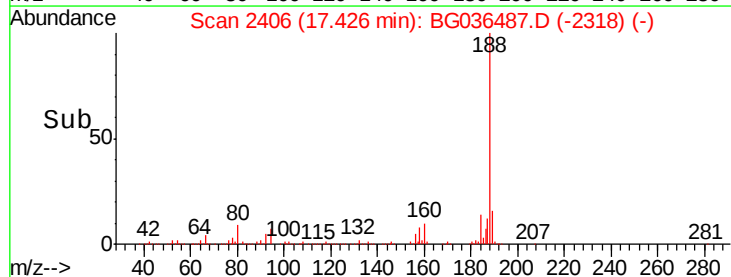
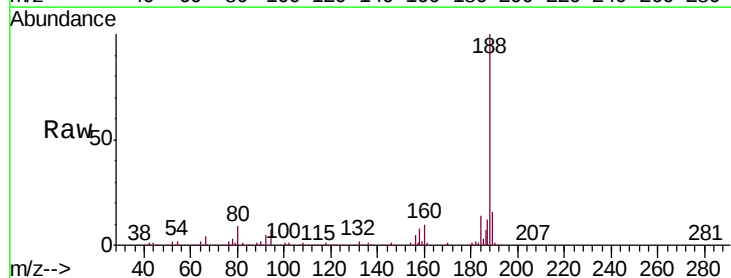
Instrument :
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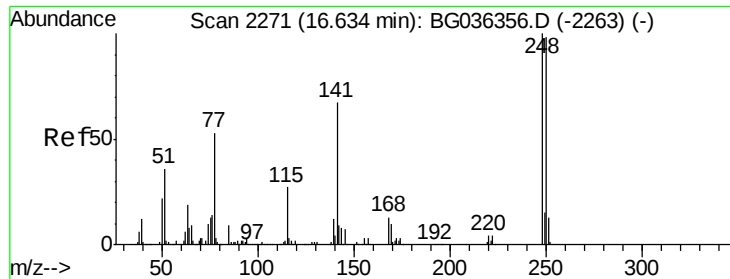
Tgt Ion:	165	Resp:	20555
Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	1.3	63.7	95.5#
182	0.0	2.5	3.7#



#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

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

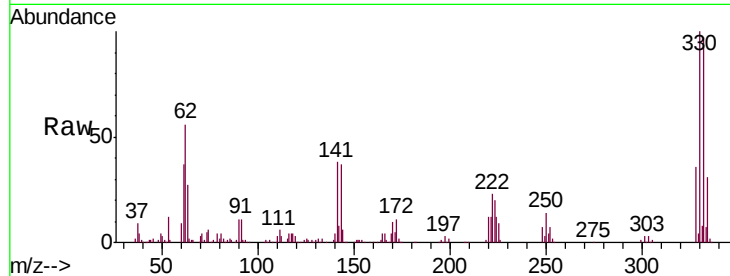




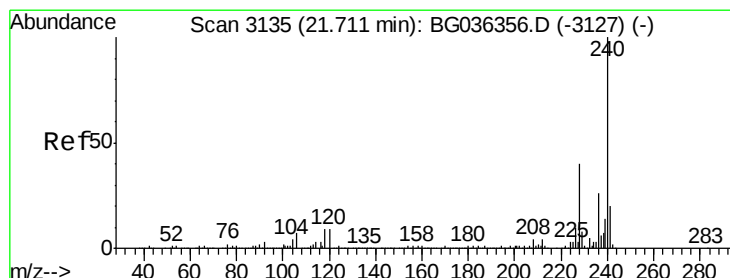
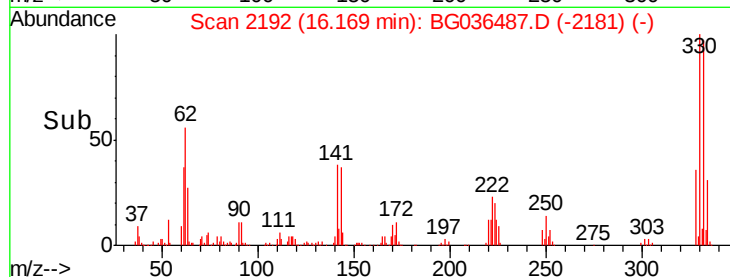
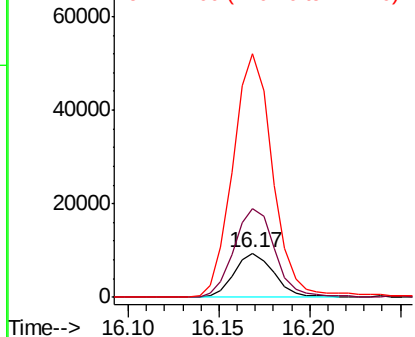
#66
 4-Bromophenyl-phenylether
 Concen: 2.931 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.47 min
 Lab File: BG036487.D
 Acq: 30 Aug 2018 20:47

Instrument :
 BNA_G
 ClientSampleId :
 CG-SOIL-2

Tgt Ion:248 Resp: 14300
 Ion Ratio Lower Upper
 248 100
 250 200.5 78.1 117.1#
 141 548.0 53.7 80.5#

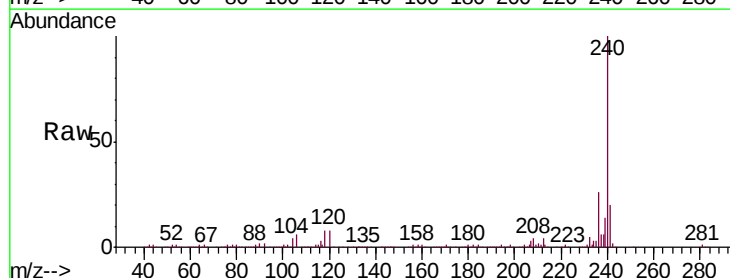


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

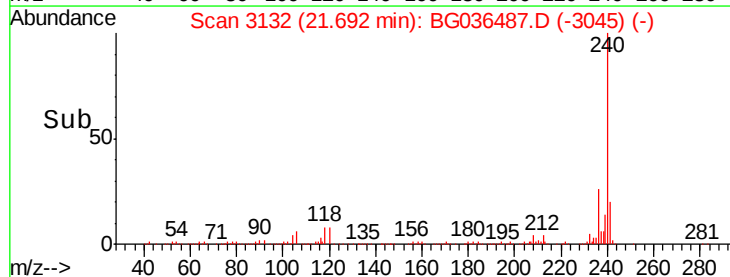
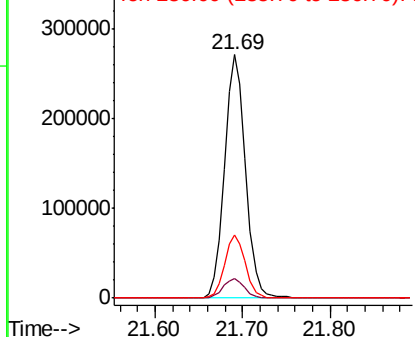


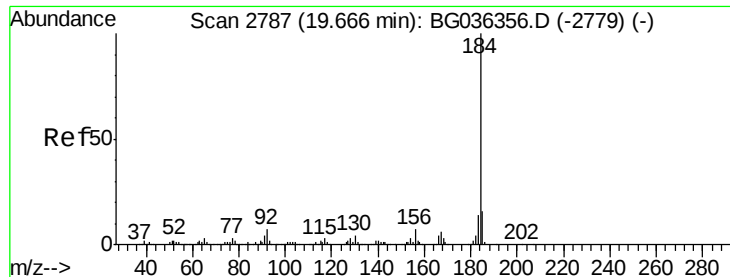
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3132
 Delta R.T. -0.02 min
 Lab File: BG036487.D
 Acq: 30 Aug 2018 20:47

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

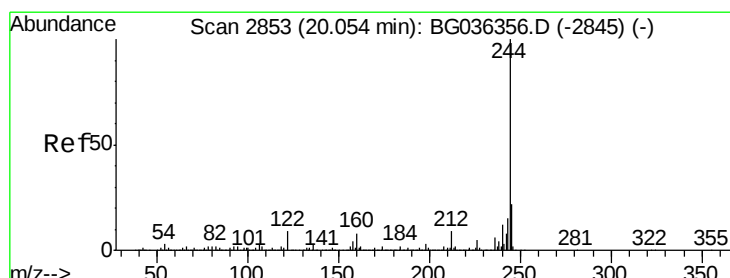
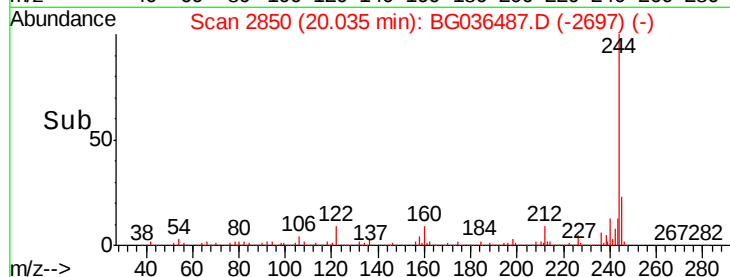
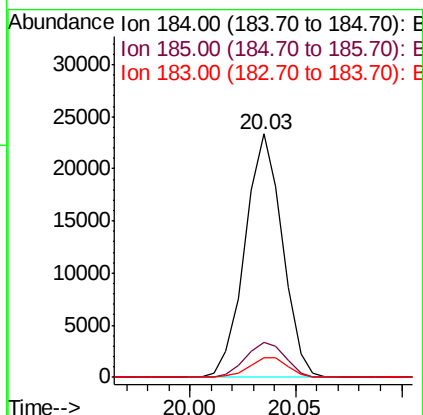
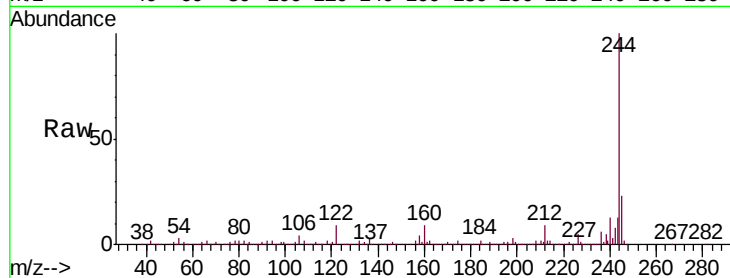




#76
Benzidine
Concen: 2.020 ng
RT: 20.03 min Scan# 2850
Delta R.T. 0.37 min
Lab File: BG036487.D
Acq: 30 Aug 2018 20:47

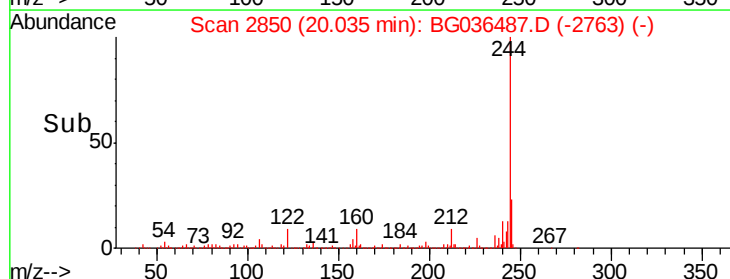
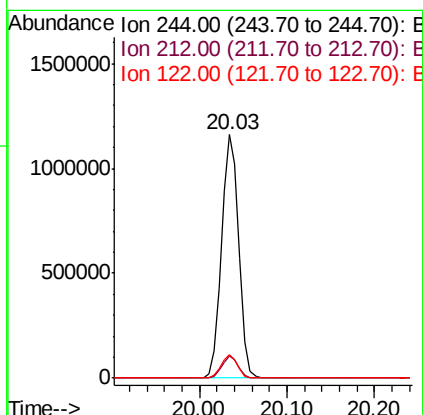
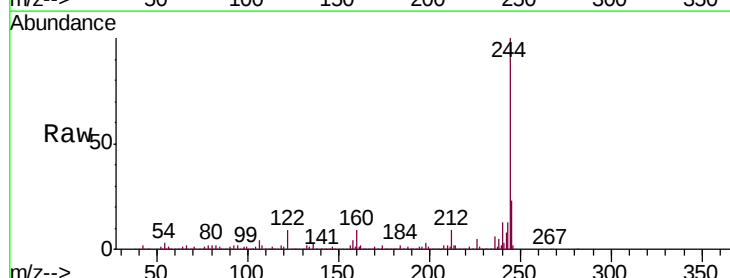
Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2

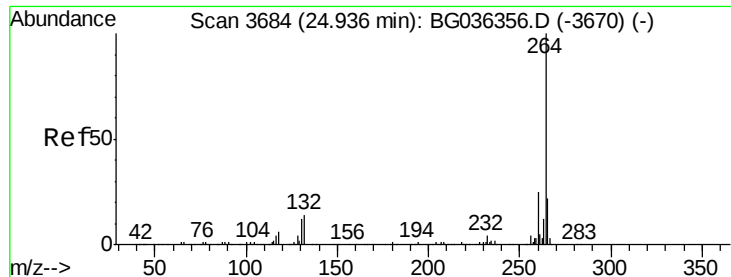
Tgt Ion:184 Resp: 28755
Ion Ratio Lower Upper
184 100
185 14.4 12.6 18.8
183 8.2 10.9 16.3#



#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

Tgt Ion:244 Resp: 1578189
Ion Ratio Lower Upper
244 100
212 9.4 7.0 10.6
122 9.4 7.1 10.7





#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

Instrument :
BNA_G
ClientSampleId :
CG-SOIL-2

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

