

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080618\
 Data File : BG036155.D
 Acq On : 7 Aug 2018 9:50
 Operator : JU/SJ
 Sample : J4333-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-4

Quant Time: Aug 07 10:44:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

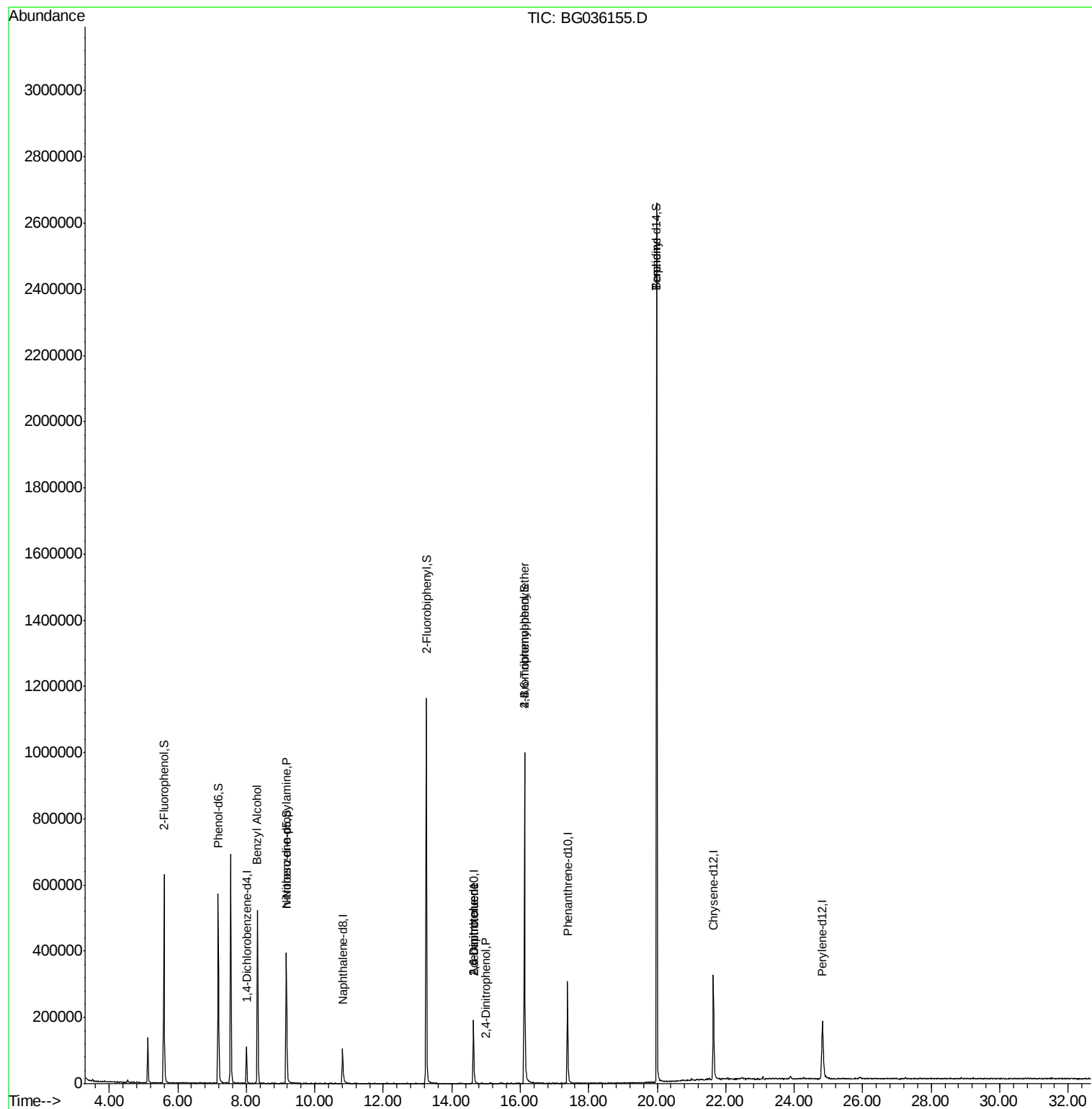
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	31370	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	111318	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	79075	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	236692	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	248716	20.00	ng	-0.02
86) Perylene-d12	24.82	264	225182	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	277976	147.12	ng	0.00
7) Phenol-d6	7.18	99	362352	128.53	ng	-0.01
23) Nitrobenzene-d5	9.17	82	292153	109.64	ng	-0.02
41) 2,4,6-Tribromophenol	16.12	330	208081	199.64	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	664925	112.66	ng	-0.02
78) Terphenyl-d14	19.98	244	1339244	118.69	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	8.33	79	5164	2.017	ng	# 55
19) n-Nitroso-di-n-propylamine	9.17	70	39793	16.763	ng	# 68
50) 2,6-Dinitrotoluene	14.63	165	10923	7.742	ng	# 18
53) 2,4-Dinitrophenol	15.00	184	62	6.661	ng	# 1
56) 2,4-Dinitrotoluene	14.63	165	10923	5.397	ng	# 16
66) 4-Bromophenyl-phenylether	16.13	248	15813	5.759	ng	# 1
76) Benzydine	19.99	184	23684	3.622	ng	# 93

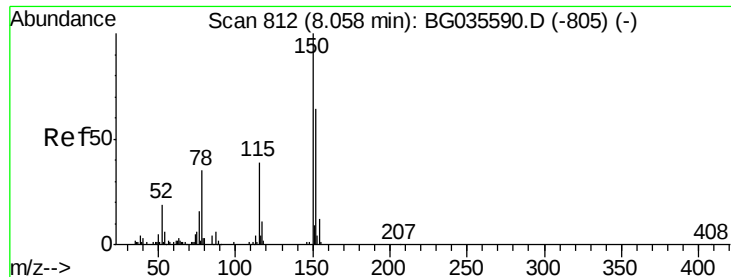
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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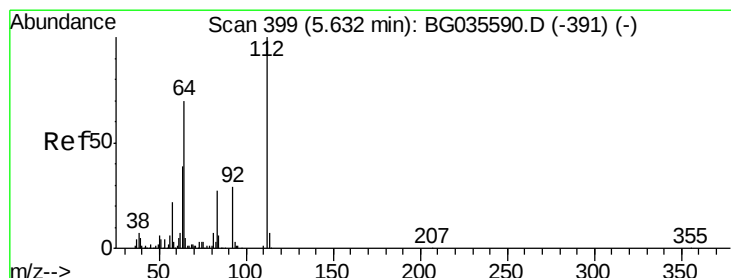
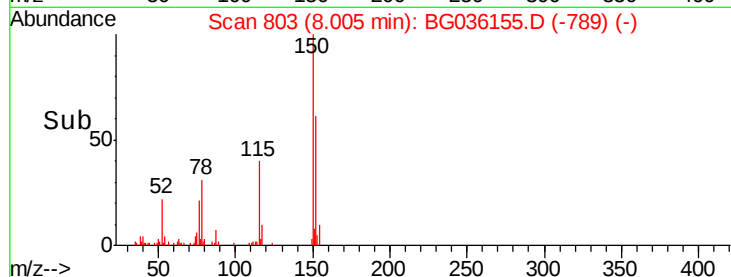
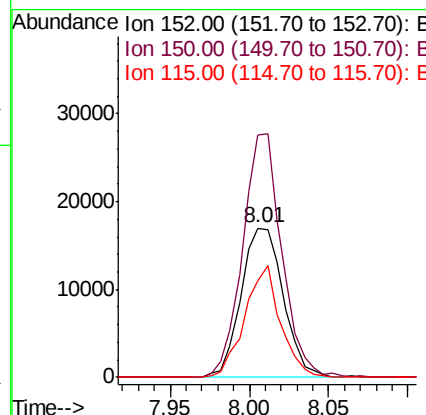
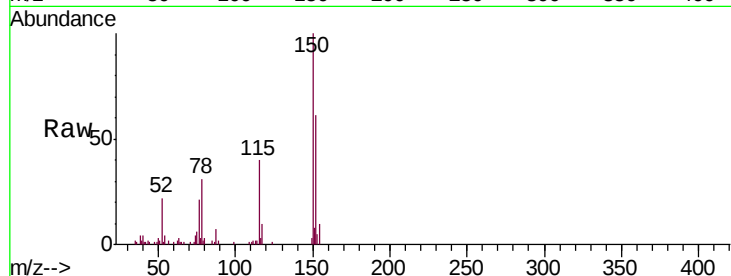


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036155.D
Acq: 7 Aug 2018 9:50

Instrument :
BNA_G
ClientSampleId :
SOIL-4

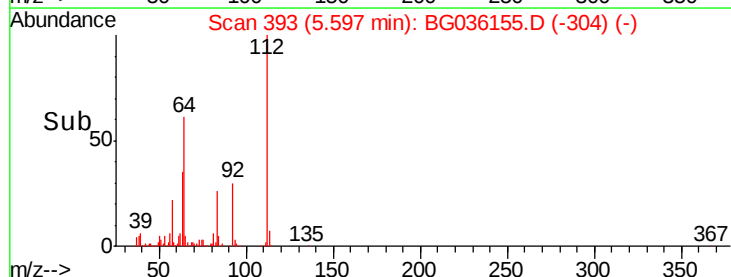
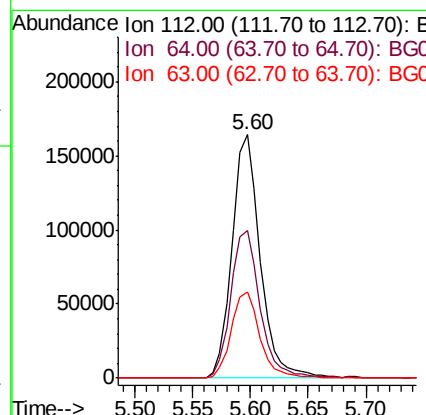
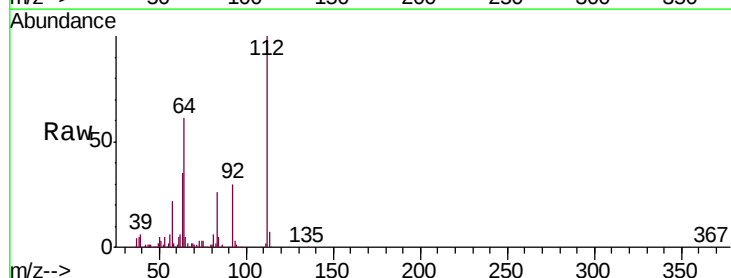
Tgt Ion:152 Resp: 31370
Ion Ratio Lower Upper
152 100
150 162.9 126.6 189.8
115 64.6 53.0 79.4

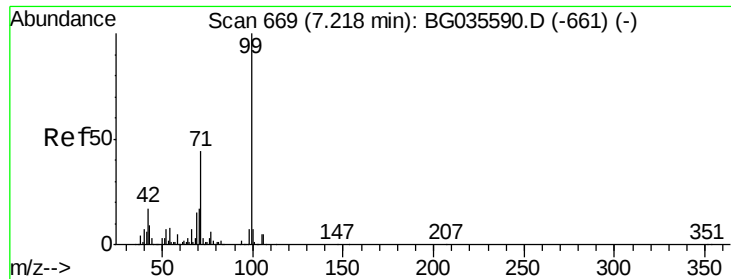


#5

2-Fluorophenol
Concen: 147.117 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036155.D
Acq: 7 Aug 2018 9:50

Tgt Ion:112 Resp: 277976
Ion Ratio Lower Upper
112 100
64 60.7 56.3 84.5
63 35.3 30.1 45.1





#7

Phenol-d6

Concen: 128.535 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036155.D

Acq: 7 Aug 2018 9:50

Instrument :

BNA_G

ClientSampleId :

SOIL-4

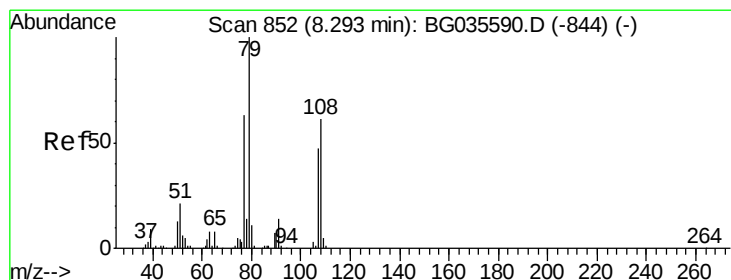
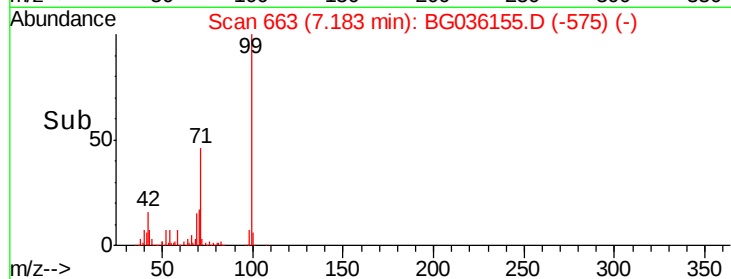
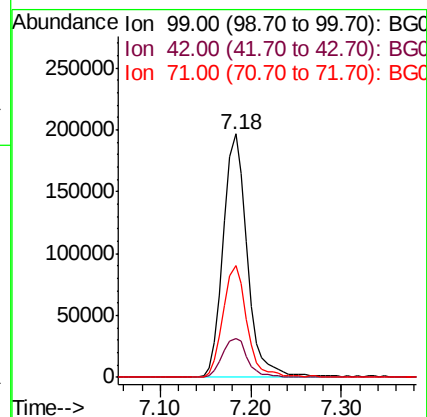
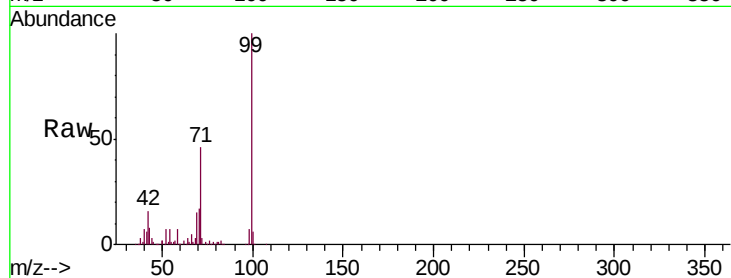
Tgt Ion: 99 Resp: 362352

Ion Ratio Lower Upper

99 100

42 15.8 14.1 21.1

71 45.8 26.1 39.1#



#15

Benzyl Alcohol

Concen: 2.017 ng

RT: 8.33 min Scan# 858

Delta R.T. 0.06 min

Lab File: BG036155.D

Acq: 7 Aug 2018 9:50

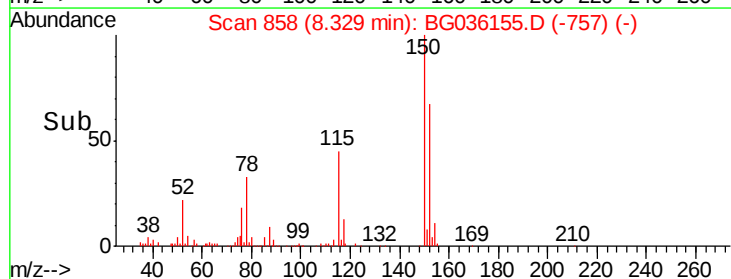
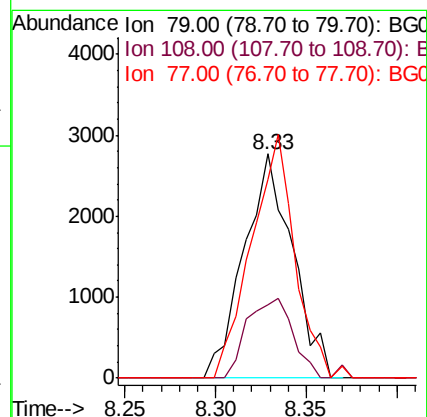
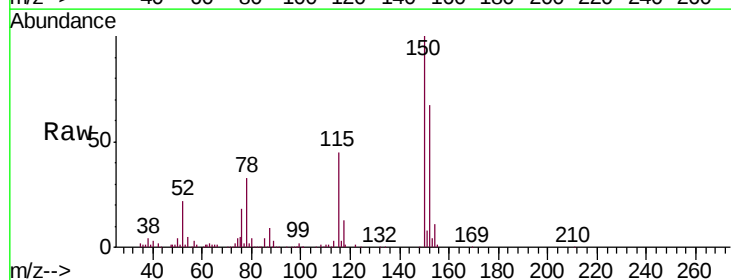
Tgt Ion: 79 Resp: 5164

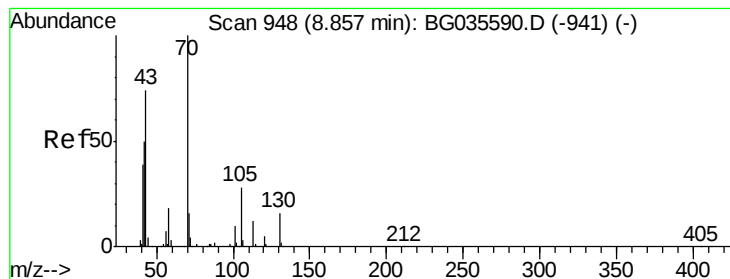
Ion Ratio Lower Upper

79 100

108 32.9 57.2 85.8#

77 88.9 46.1 69.1#





#19

n-Nitroso-di-n-propylamine

Concen: 16.763 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036155.D

Acq: 7 Aug 2018 9:50

Instrument :

BNA_G

ClientSampleId :

SOIL-4

Tgt Ion: 70 Resp: 39793

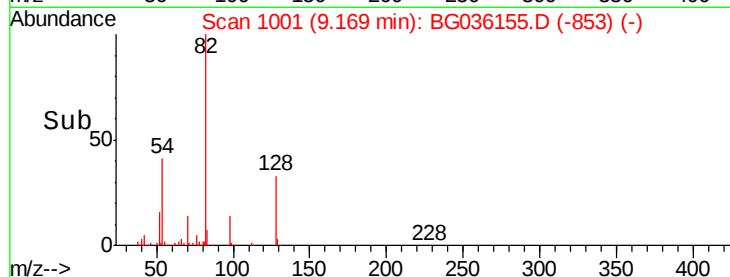
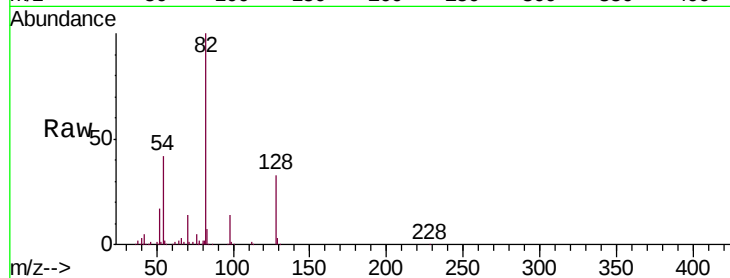
Ion Ratio Lower Upper

70 100

42 37.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.1 13.4 20.0#

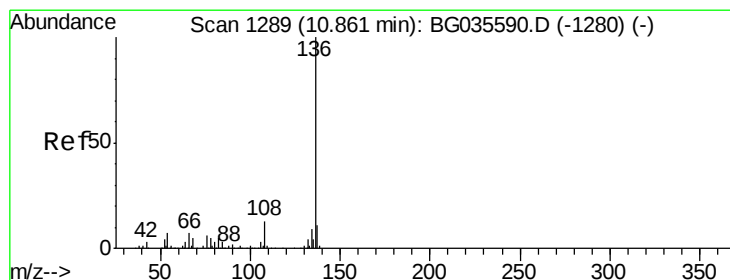
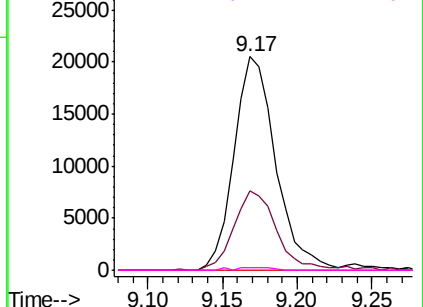


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.81 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BG036155.D

Acq: 7 Aug 2018 9:50

Tgt Ion: 136 Resp: 111318

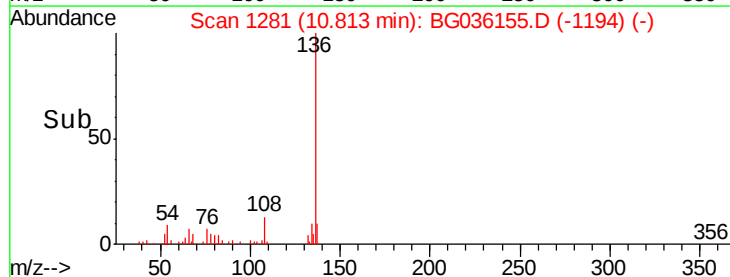
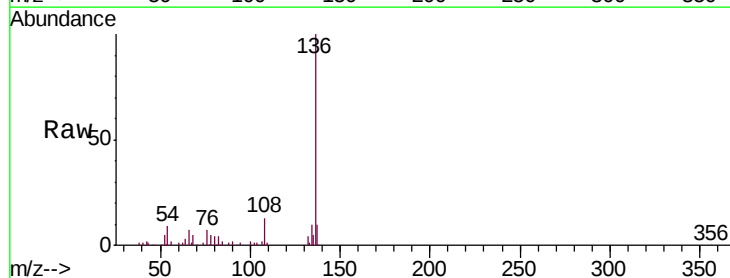
Ion Ratio Lower Upper

136 100

137 10.3 9.2 13.8

54 9.0 10.3 15.5#

68 4.7 4.5 6.7

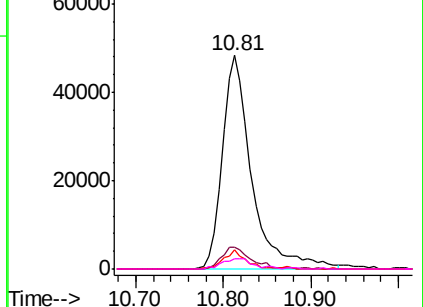


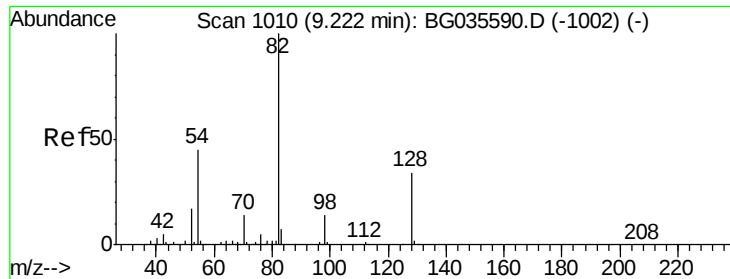
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

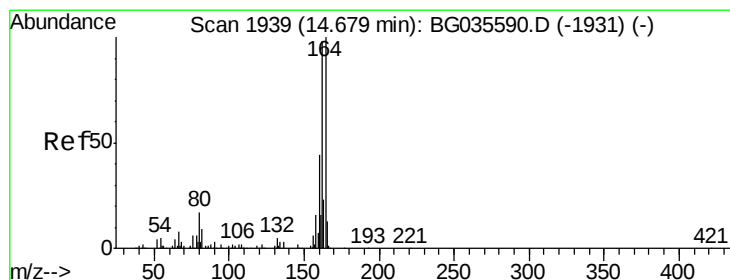
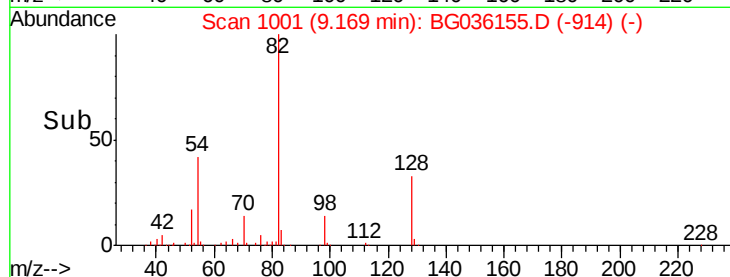
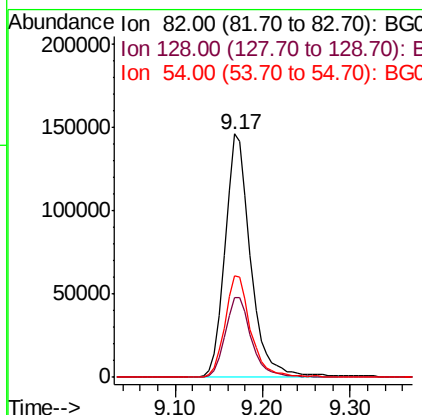
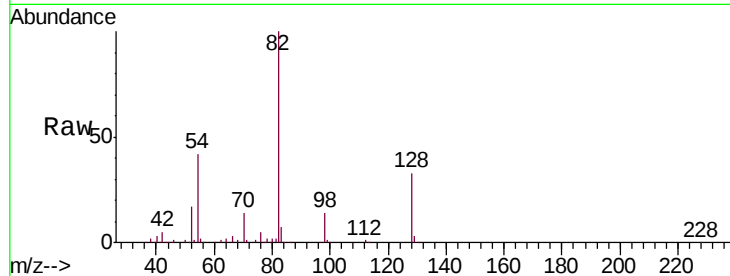




#23
 Nitrobenzene-d5
 Concen: 109.637 ng
 RT: 9.17 min Scan# 1001
 Delta R.T. -0.02 min
 Lab File: BG036155.D
 Acq: 7 Aug 2018 9:50

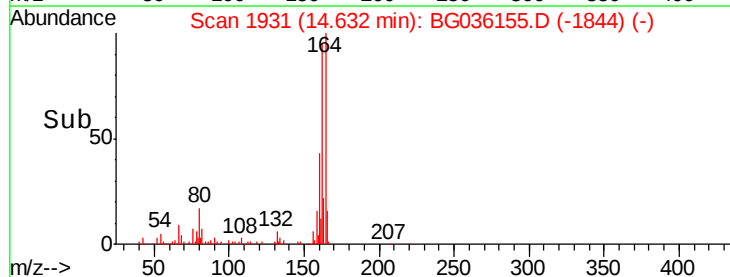
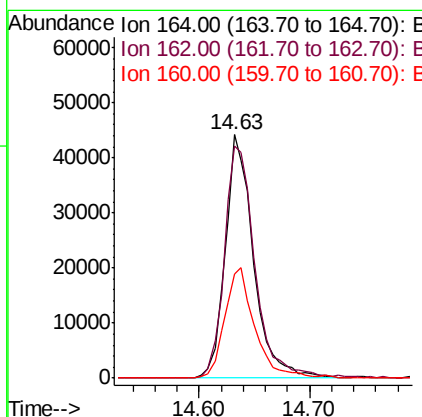
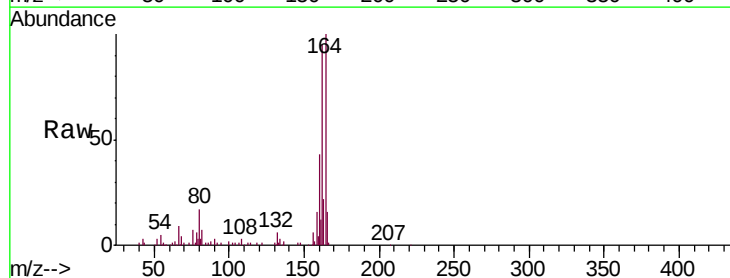
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-4

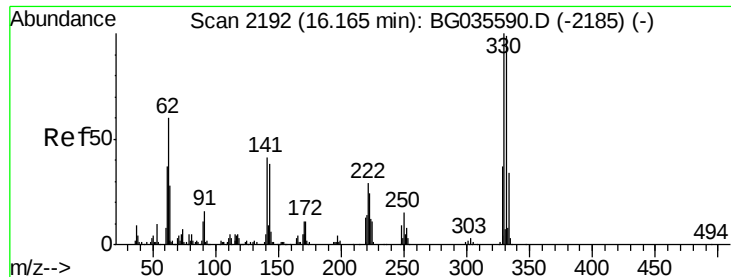
Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.9	29.7	44.5
54	41.7	43.1	64.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. -0.02 min
 Lab File: BG036155.D
 Acq: 7 Aug 2018 9:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.1	78.8	118.2
160	42.5	35.4	53.0

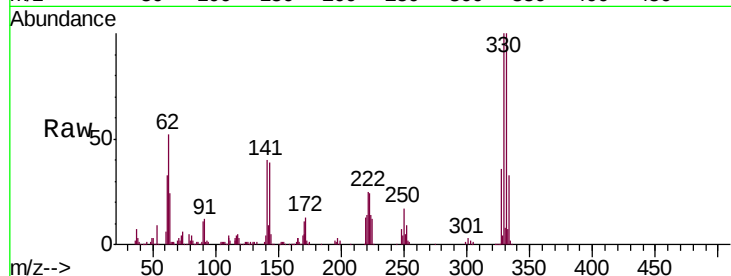




#41
 2,4,6-Tribromophenol
 Concen: 199.644 ng
 RT: 16.12 min Scan# 2185
 Delta R.T. -0.02 min
 Lab File: BG036155.D
 Acq: 7 Aug 2018 9:50

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-4

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	38.1	25.2	37.8#

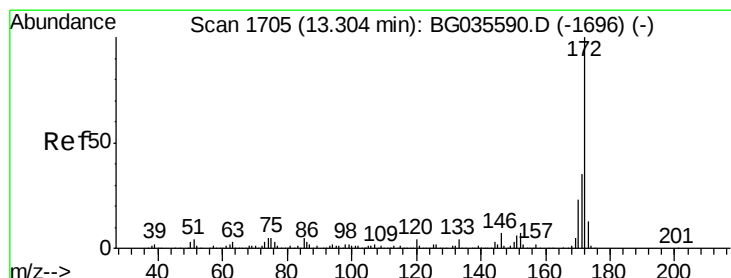
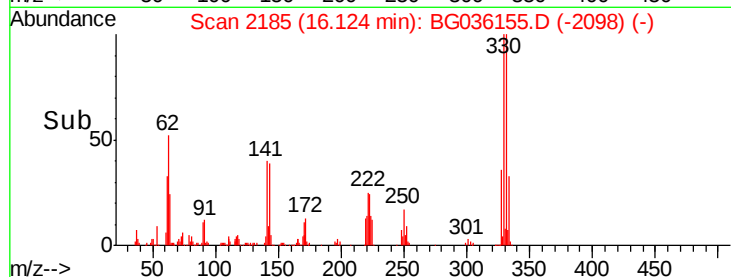
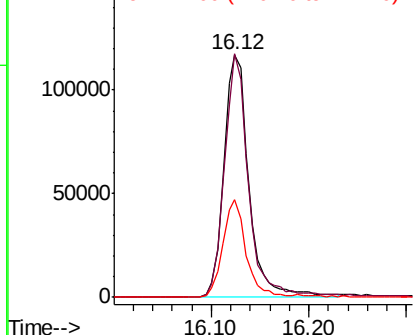


Abundance

Ion 329.80 (329.50 to 330.50): E

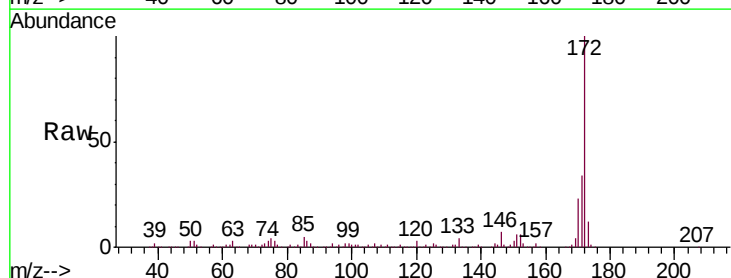
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 112.656 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036155.D
 Acq: 7 Aug 2018 9:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	30.0	45.0
170	23.4	19.5	29.3

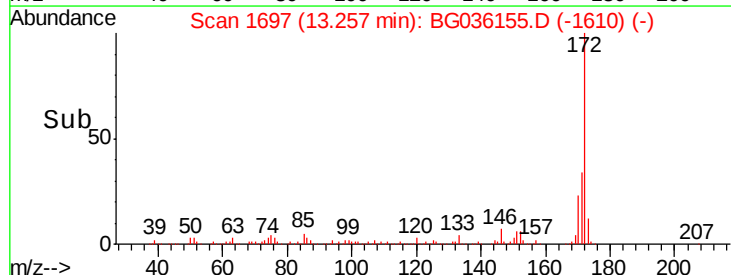
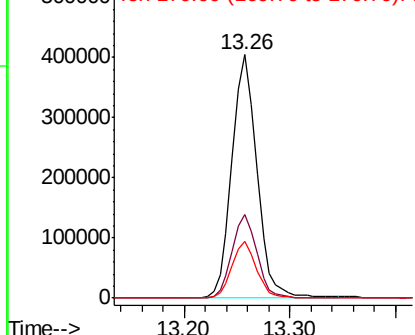


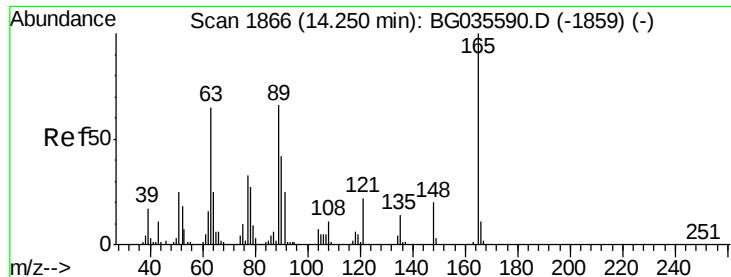
Abundance

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

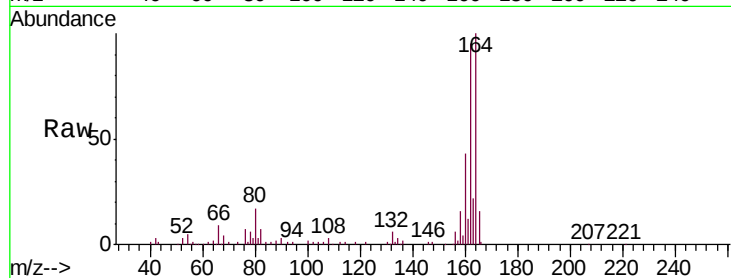




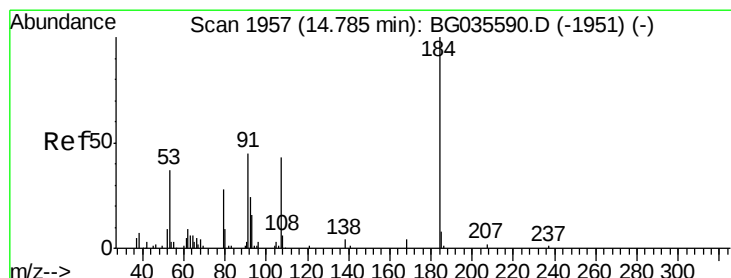
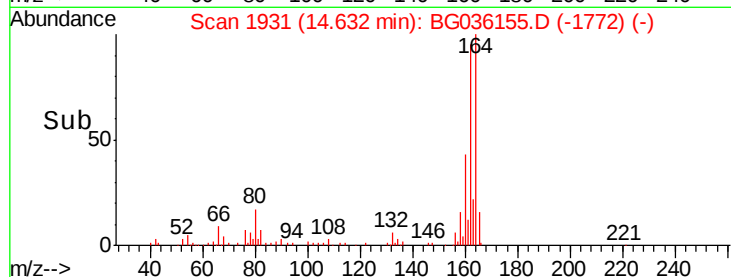
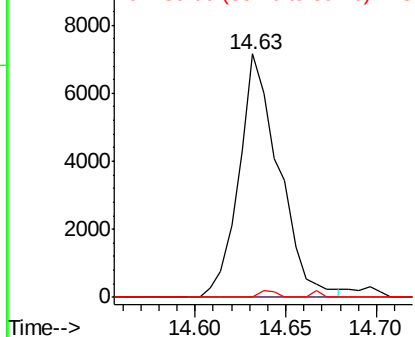
#50
 2,6-Dinitrotoluene
 Concen: 7.742 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. 0.40 min
 Lab File: BG036155.D
 Acq: 7 Aug 2018 9:50

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-4

Tgt Ion:165 Resp: 10923
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

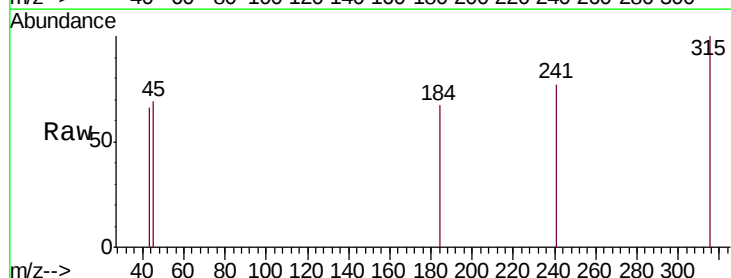


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

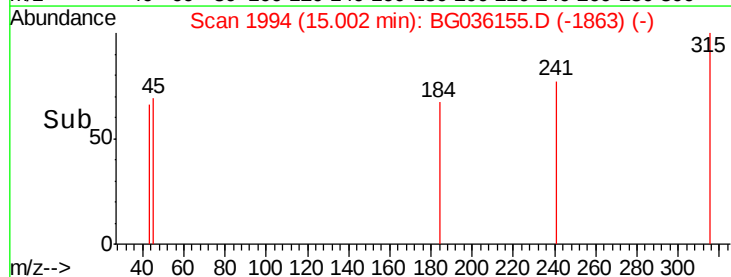
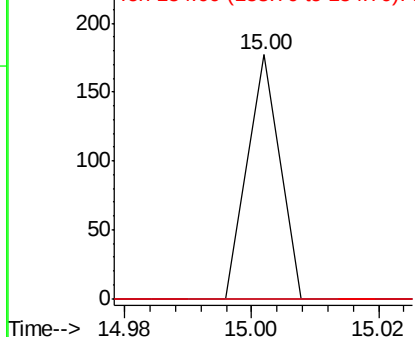


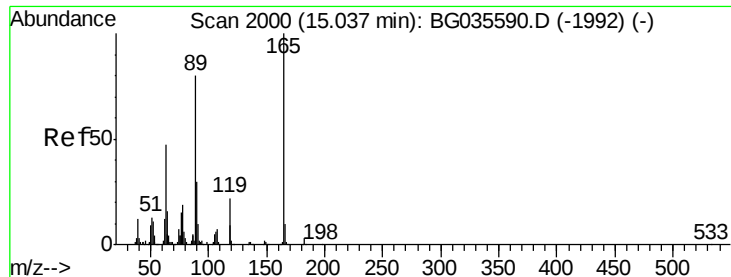
#53
 2,4-Dinitrophenol
 Concen: 6.661 ng
 RT: 15.00 min Scan# 1994
 Delta R.T. 0.24 min
 Lab File: BG036155.D
 Acq: 7 Aug 2018 9:50

Tgt Ion:184 Resp: 62
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

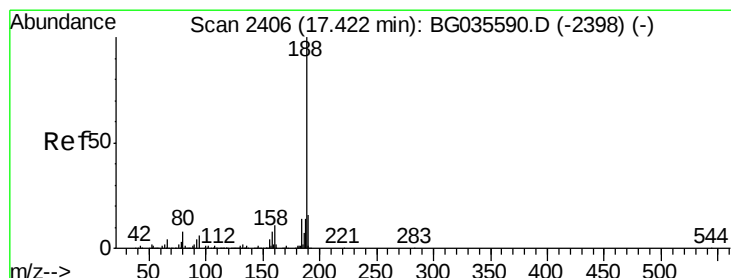
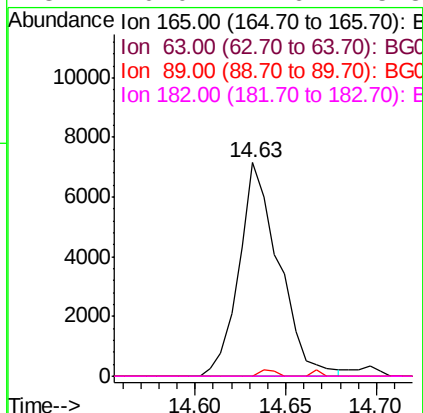
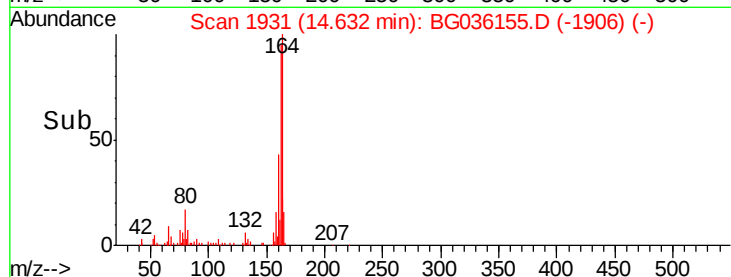
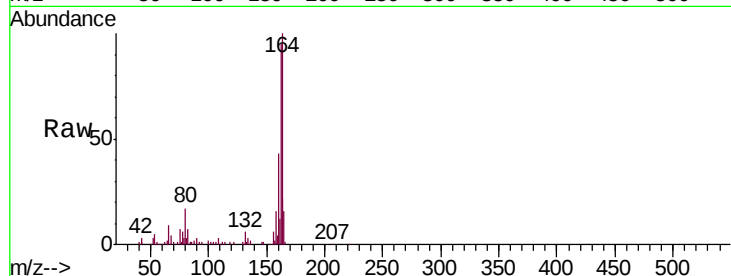




#56
 2,4-Dinitrotoluene
 Concen: 5.397 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. -0.38 min
 Lab File: BG036155.D
 Acq: 7 Aug 2018 9:50

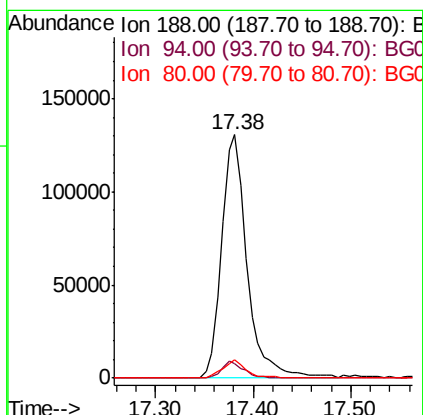
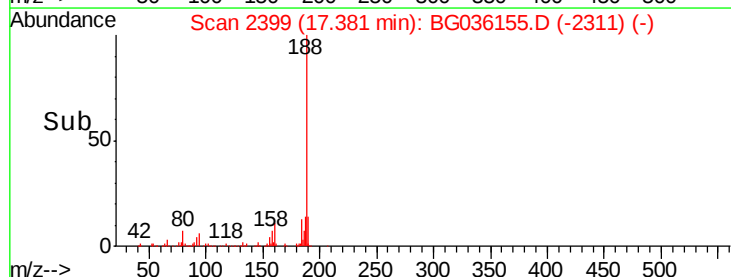
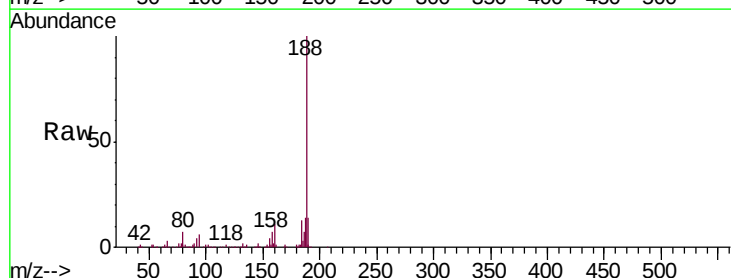
Instrument :
 BNA_G
 ClientSampled :
 SOIL-4

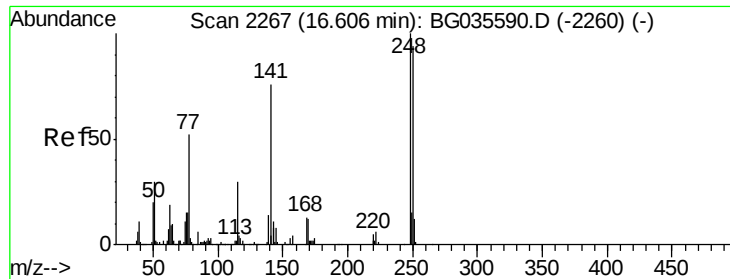
Tgt Ion:165 Resp: 10923
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BG036155.D
 Acq: 7 Aug 2018 9:50

Tgt Ion:188 Resp: 236692
 Ion Ratio Lower Upper
 188 100
 94 6.1 6.9 10.3#
 80 7.3 7.7 11.5#

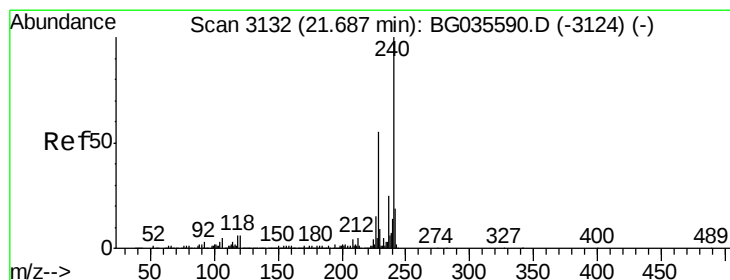
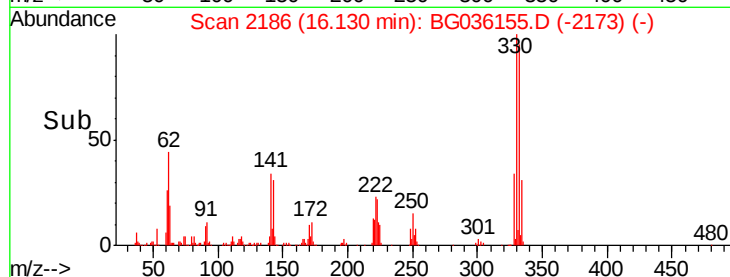
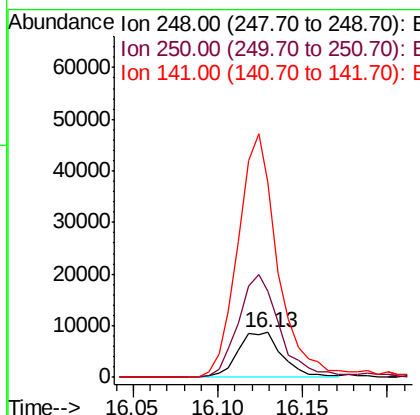
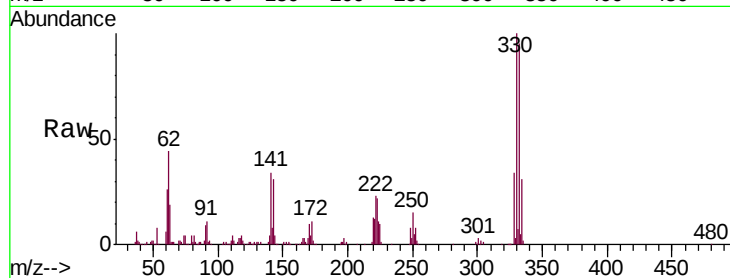




#66
 4-Bromophenyl-phenylether
 Concen: 5.759 ng
 RT: 16.13 min Scan# 2186
 Delta R.T. -0.45 min
 Lab File: BG036155.D
 Acq: 7 Aug 2018 9:50

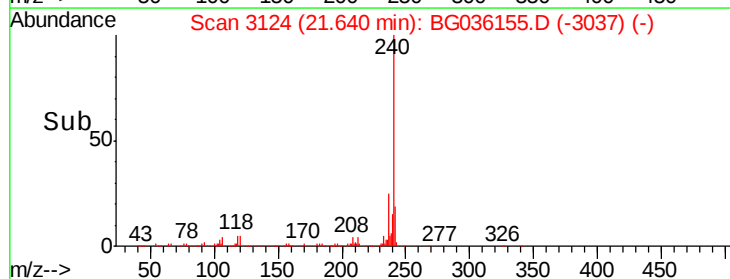
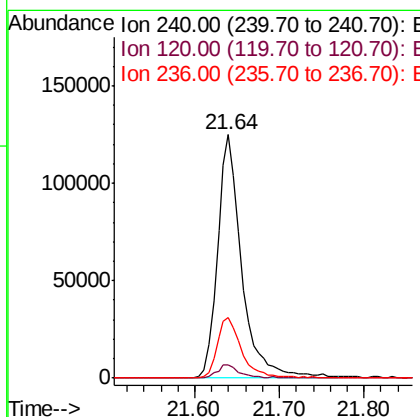
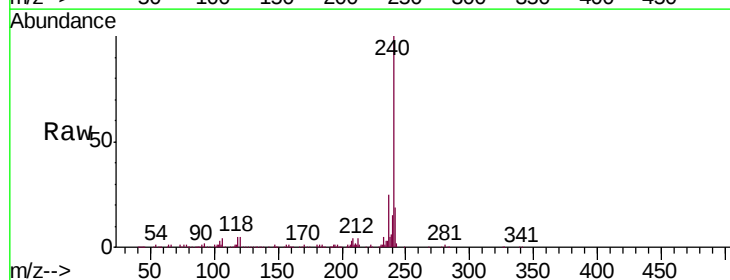
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-4

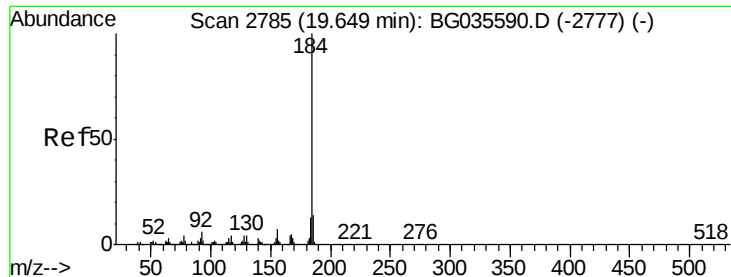
Tgt Ion:248 Resp: 15813
 Ion Ratio Lower Upper
 248 100
 250 192.1 77.1 115.7#
 141 437.1 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BG036155.D
 Acq: 7 Aug 2018 9:50

Tgt Ion:240 Resp: 248716
 Ion Ratio Lower Upper
 240 100
 120 5.2 6.8 10.2#
 236 25.1 20.9 31.3





#76

Benzidine

Concen: 3.622 ng

RT: 19.99 min Scan# 2843

Delta R.T. 0.36 min

Lab File: BG036155.D

Acq: 7 Aug 2018 9:50

Instrument :

BNA_G

ClientSampleId :

SOIL-4

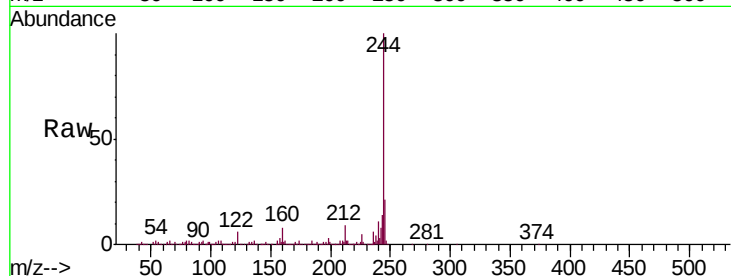
Tgt Ion:184 Resp: 23684

Ion Ratio Lower Upper

184 100

185 12.6 11.1 16.7

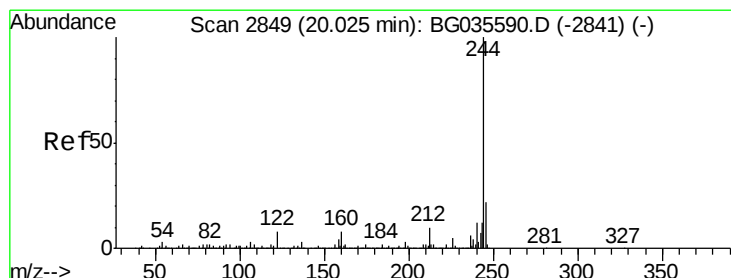
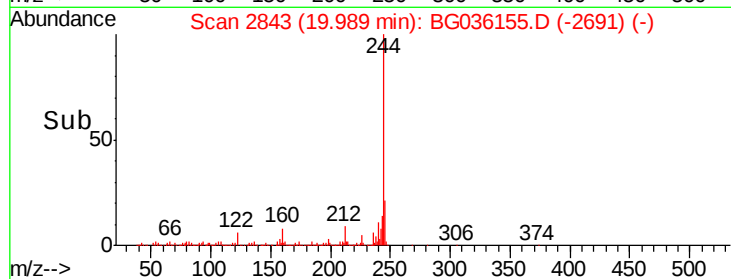
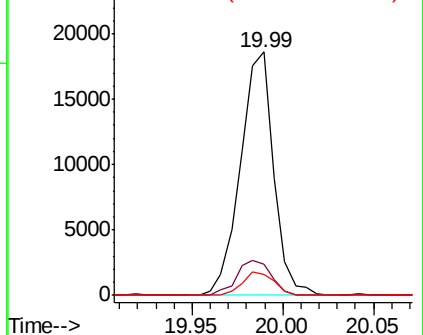
183 8.7 10.6 16.0#



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: 118.693 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036155.D

Acq: 7 Aug 2018 9:50

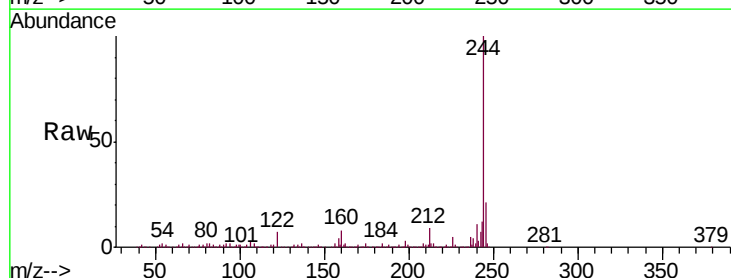
Tgt Ion:244 Resp: 1339244

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

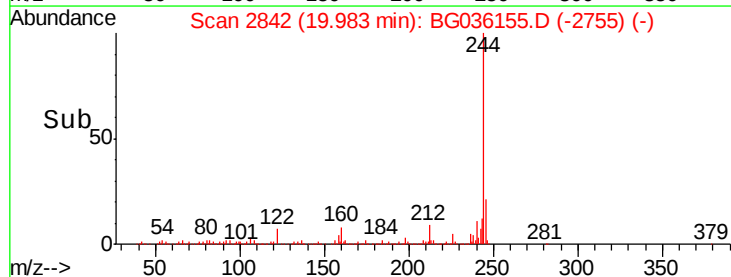
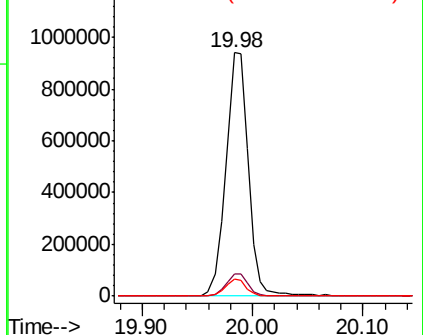
122 7.1 7.0 10.4

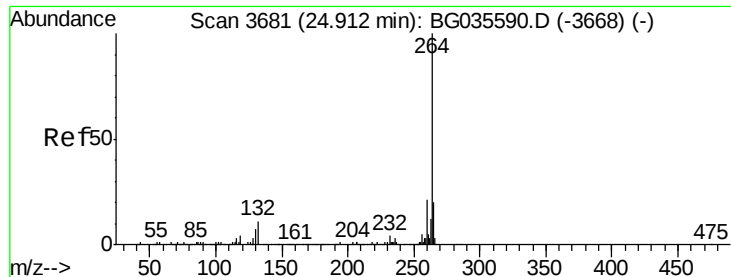


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.82 min Scan# 3666
Delta R.T. -0.04 min
Lab File: BG036155.D
Acq: 7 Aug 2018 9:50

Instrument :
BNA_G
ClientSampleId :
SOIL-4

Tgt Ion	Ratio	Lower	Upper
264	100		
260	19.8	17.4	26.0
265	20.8	17.7	26.5

