

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080818\
 Data File : BG036207.D
 Acq On : 8 Aug 2018 21:11
 Operator : JU/SJ
 Sample : J4360-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 155-SOIL

Quant Time: Aug 09 01:32:29 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

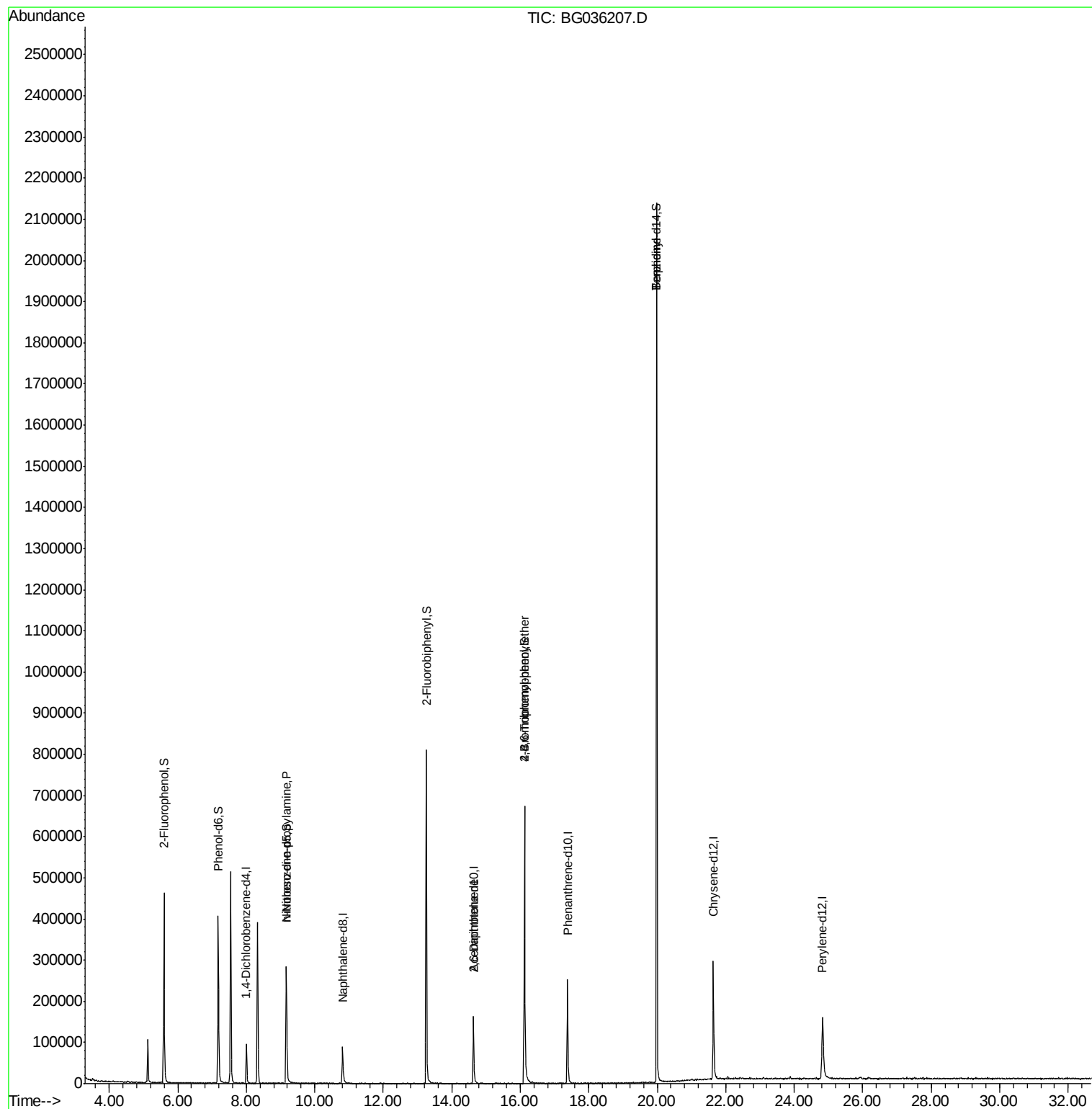
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	27103	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	94264	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	65077	20.00	ng	-0.01
63) Phenanthrene-d10	17.38	188	194137	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	222713	20.00	ng	-0.02
86) Perylene-d12	24.83	264	203472	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	208597	127.78	ng	0.00
7) Phenol-d6	7.18	99	267056	109.65	ng	-0.01
23) Nitrobenzene-d5	9.17	82	215909	95.68	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	145373	169.48	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	484113	99.66	ng	-0.02
78) Terphenyl-d14	19.98	244	1049293	103.85	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	29818	14.538	ng	# 67
50) 2,6-Dinitrotoluene	14.64	165	8946	7.705	ng	# 21
66) 4-Bromophenyl-phenylether	16.12	248	11991	5.324	ng	# 1
76) Benzidine	19.98	184	18002	3.075	ng	# 92

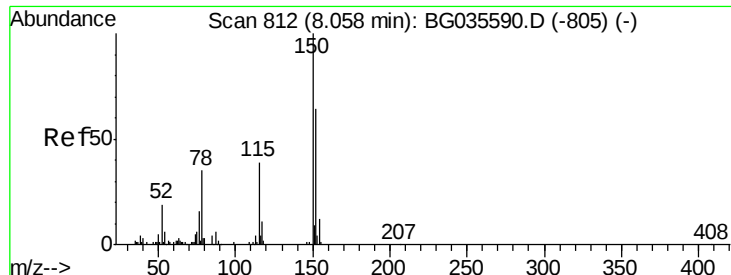
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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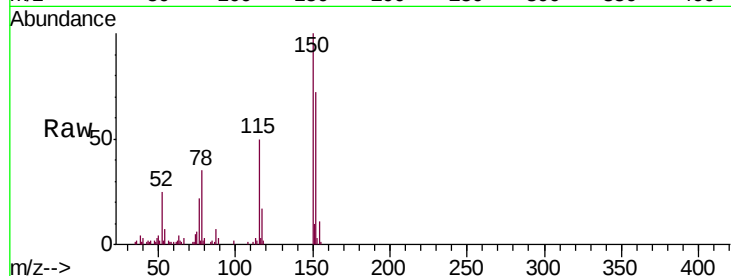


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036207.D
Acq: 8 Aug 2018 21:11

Instrument :
BNA_G
ClientSampleId :
155-SOIL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	138.0	126.6	189.8
115	68.6	53.0	79.4

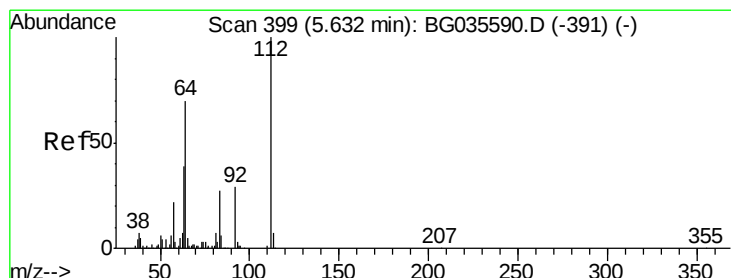
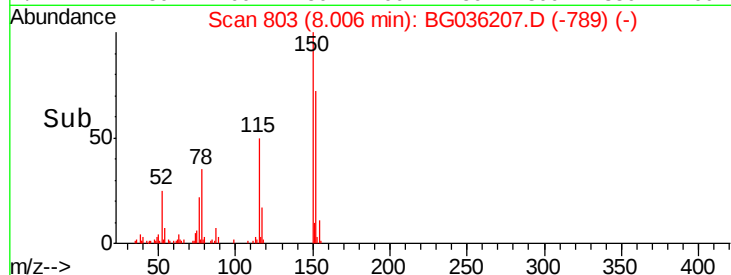
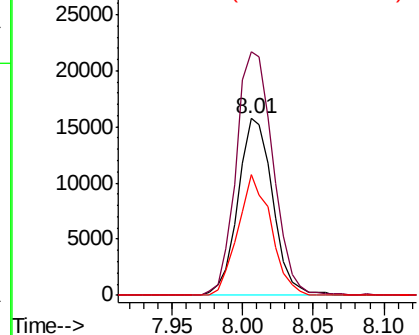


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

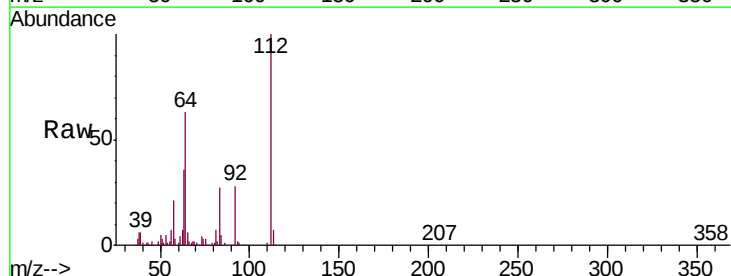
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 127.779 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036207.D
Acq: 8 Aug 2018 21:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	56.3	84.5
63	36.5	30.1	45.1

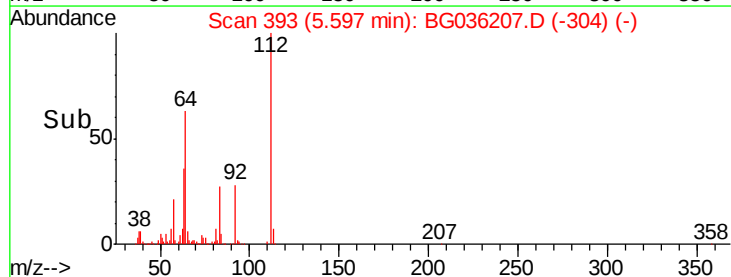
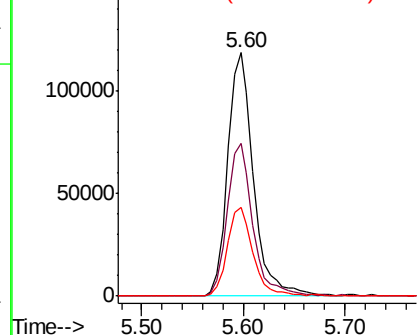


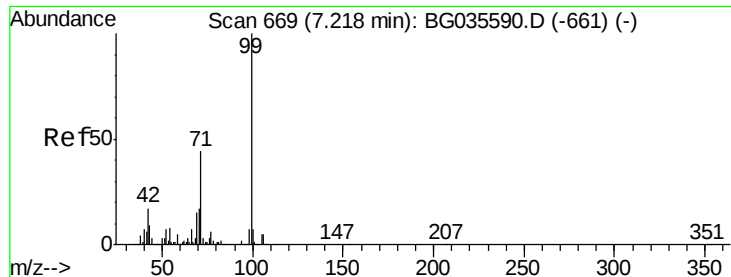
Abundance

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: 109.645 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036207.D

Acq: 8 Aug 2018 21:11

Instrument :

BNA_G

ClientSampled :

155-SOIL

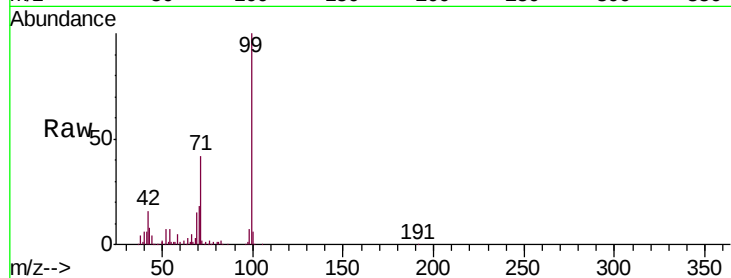
Tgt Ion: 99 Resp: 267056

Ion Ratio Lower Upper

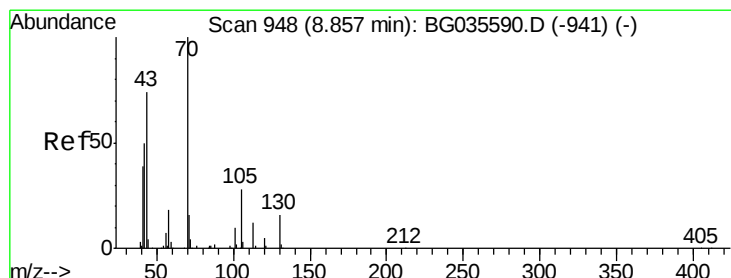
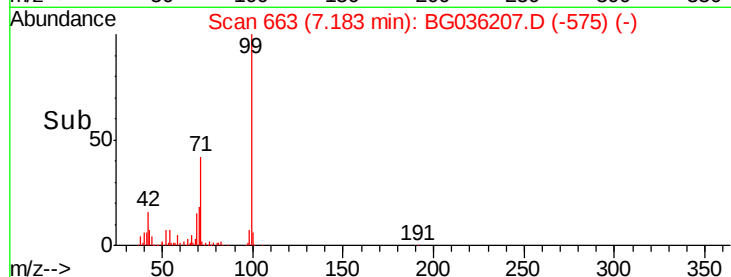
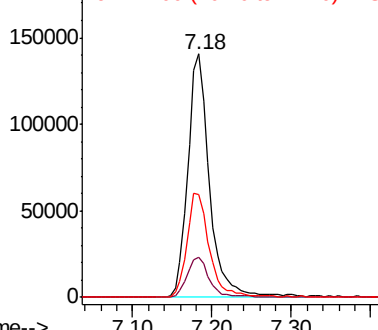
99 100

42 16.3 14.1 21.1

71 42.3 26.1 39.1#



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: 14.538 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036207.D

Acq: 8 Aug 2018 21:11

Tgt Ion: 70 Resp: 29818

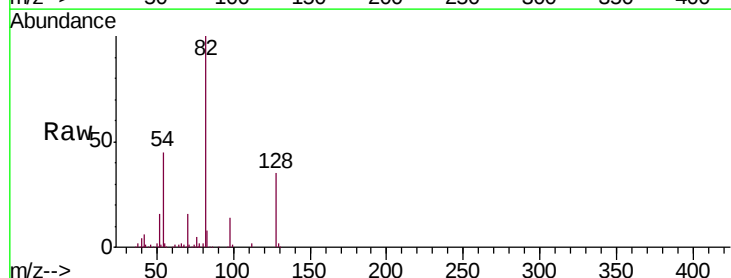
Ion Ratio Lower Upper

70 100

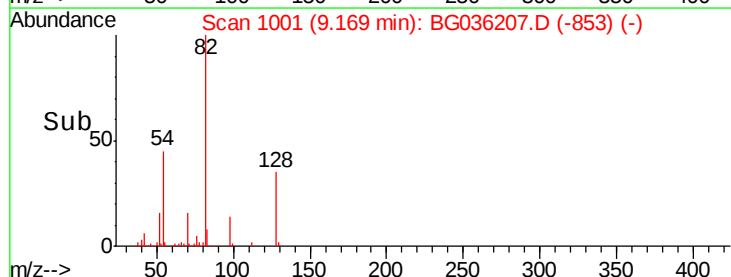
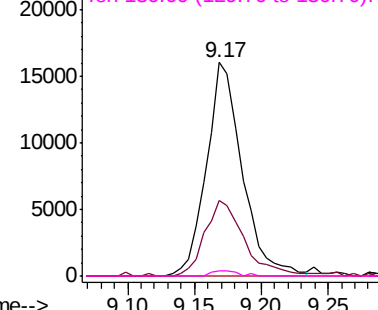
42 35.2 49.1 73.7#

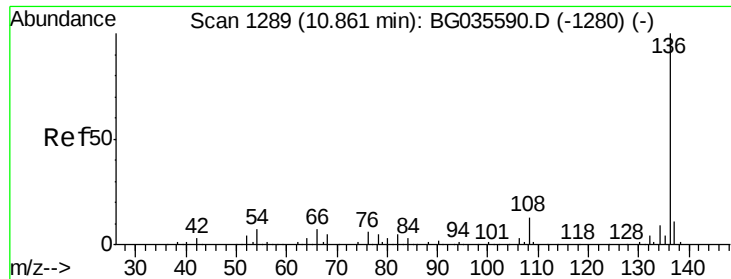
101 0.0 8.5 12.7#

130 2.3 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: BG036207.D

Acq: 8 Aug 2018 21:11

Instrument :

BNA_G

ClientSampleId :

155-SOIL

Tgt Ion:136 Resp: 94264

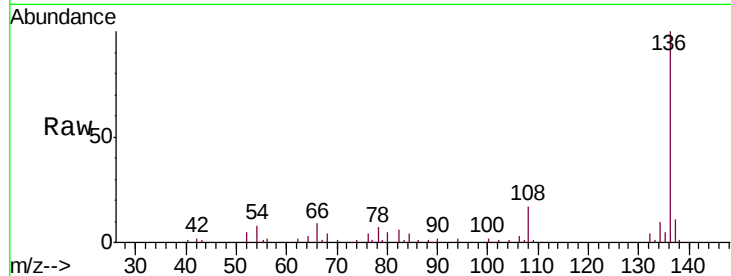
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 8.5 10.3 15.5#

68 4.3 4.5 6.7#

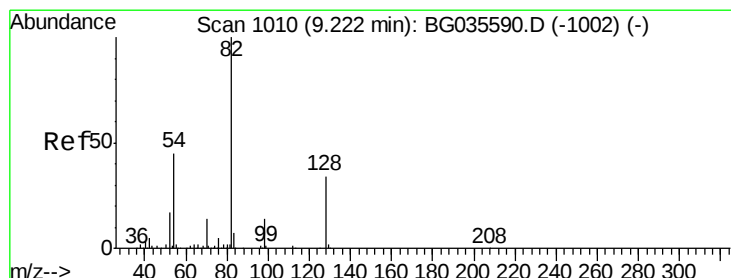
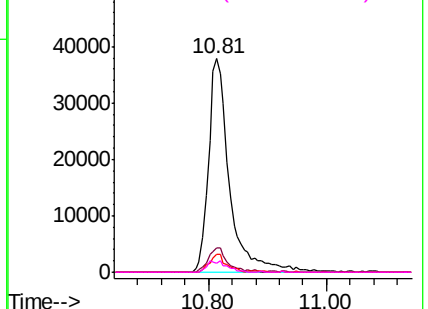
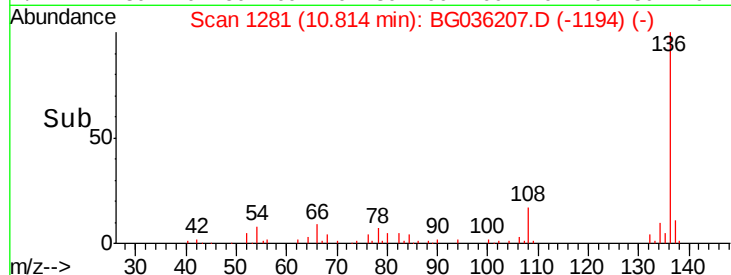


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.684 ng

RT: 9.17 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BG036207.D

Acq: 8 Aug 2018 21:11

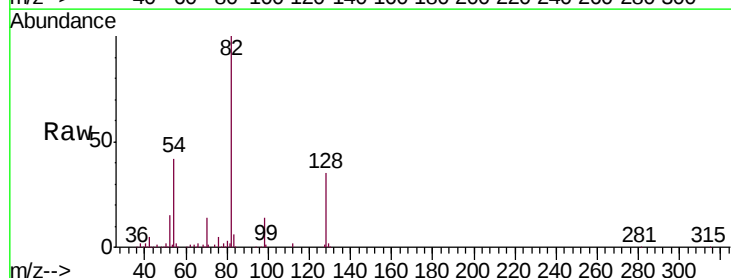
Tgt Ion: 82 Resp: 215909

Ion Ratio Lower Upper

82 100

128 34.6 29.7 44.5

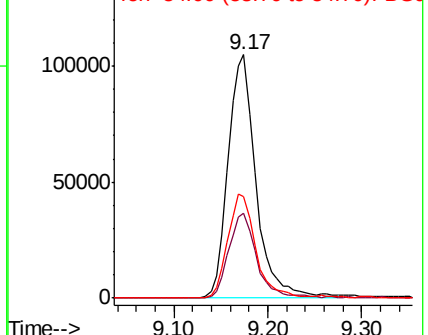
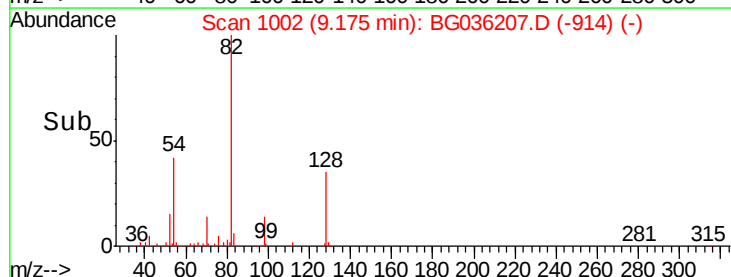
54 41.9 43.1 64.7#

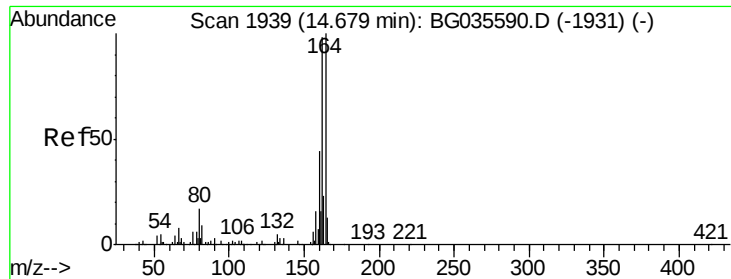


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

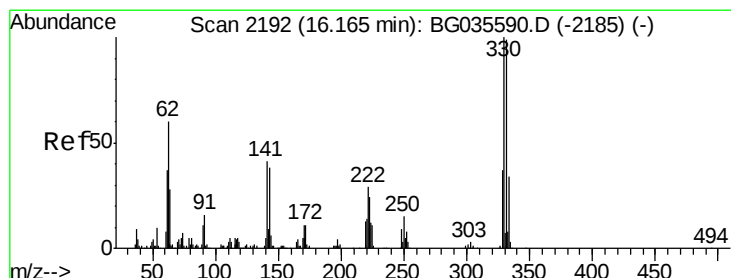
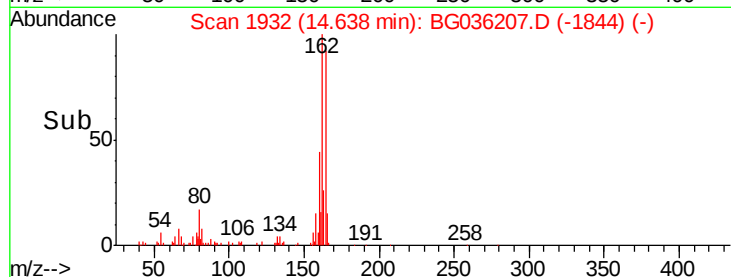
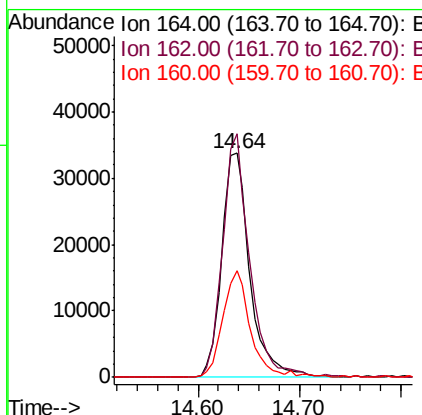
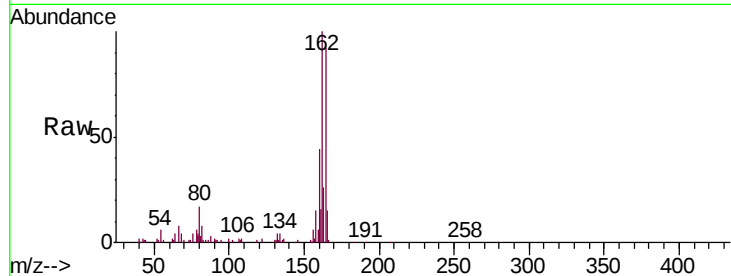




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BG036207.D
Acq: 8 Aug 2018 21:11

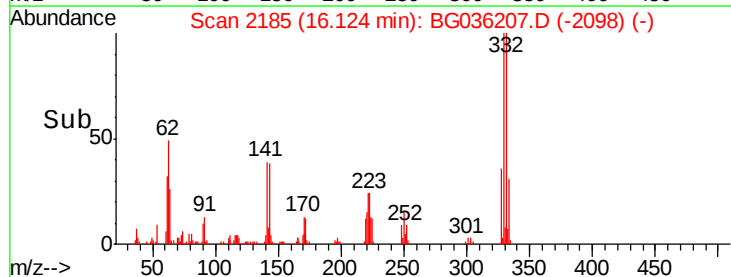
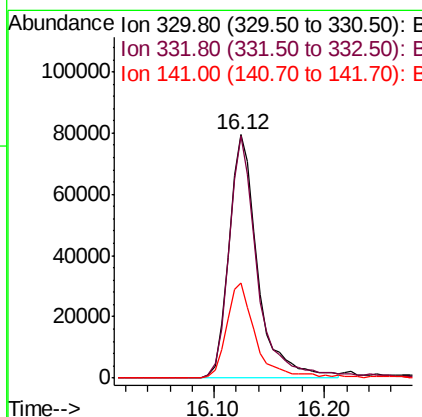
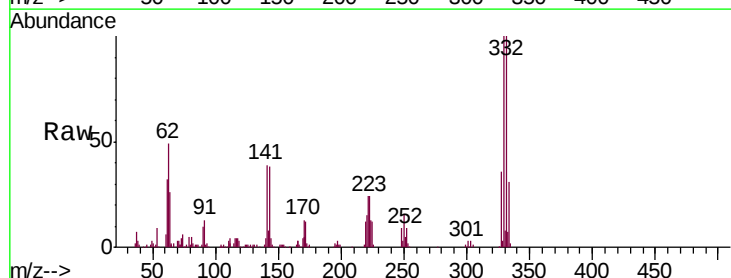
Instrument :
BNA_G
ClientSampleId :
155-SOIL

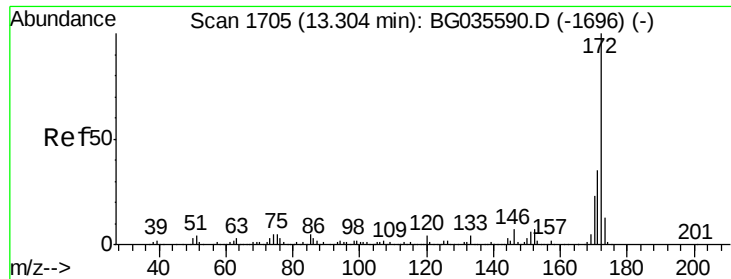
Tgt Ion:164 Resp: 65077
Ion Ratio Lower Upper
164 100
162 108.5 78.8 118.2
160 47.4 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 169.480 ng
RT: 16.12 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BG036207.D
Acq: 8 Aug 2018 21:11

Tgt Ion:330 Resp: 145373
Ion Ratio Lower Upper
330 100
332 97.9 77.0 115.6
141 39.7 25.2 37.8#

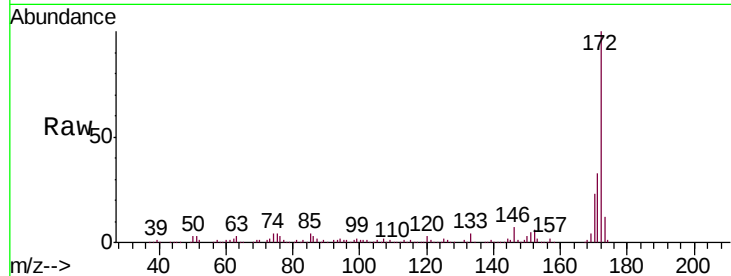




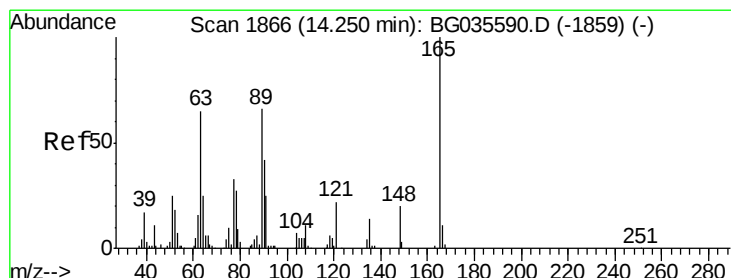
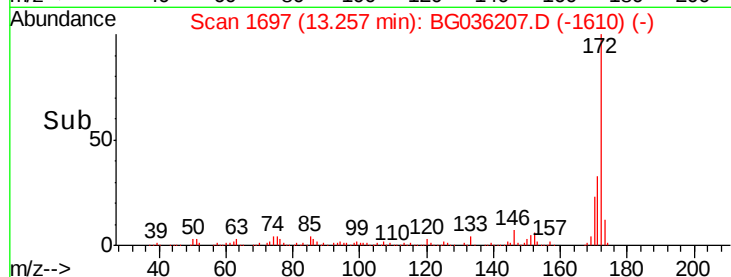
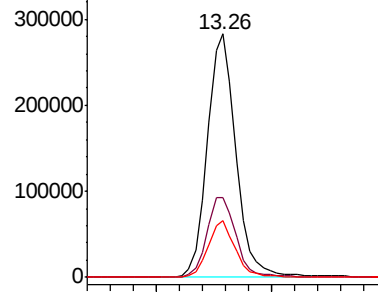
#44
 2-Fluorobiphenyl
 Concen: 99.664 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036207.D
 Acq: 8 Aug 2018 21:11

Instrument :
 BNA_G
 ClientSampleId :
 155-SOIL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.8	30.0	45.0
170	23.4	19.5	29.3

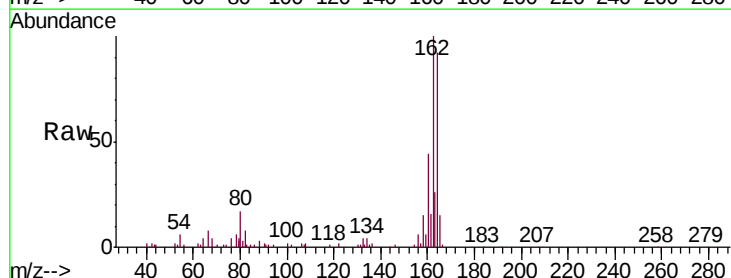


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

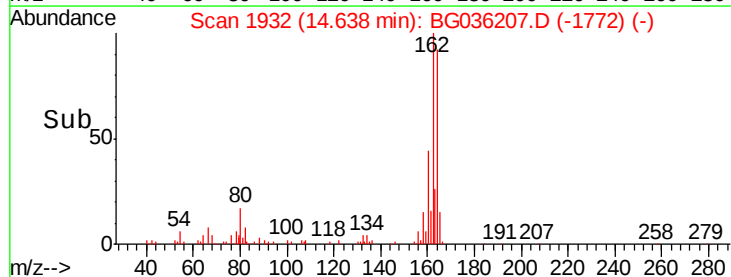
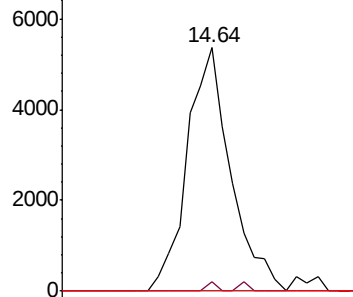


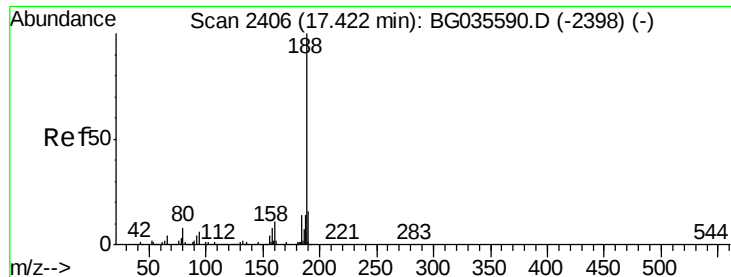
#50
 2,6-Dinitrotoluene
 Concen: 7.705 ng
 RT: 14.64 min Scan# 1932
 Delta R.T. 0.41 min
 Lab File: BG036207.D
 Acq: 8 Aug 2018 21:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.8	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

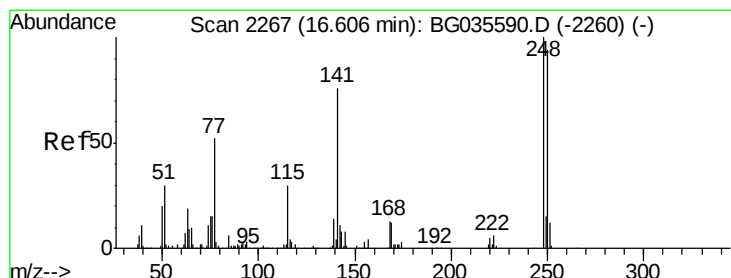
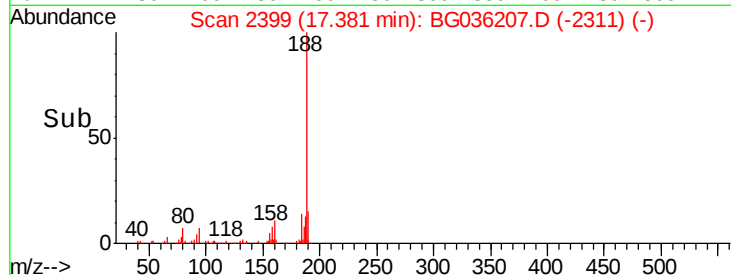
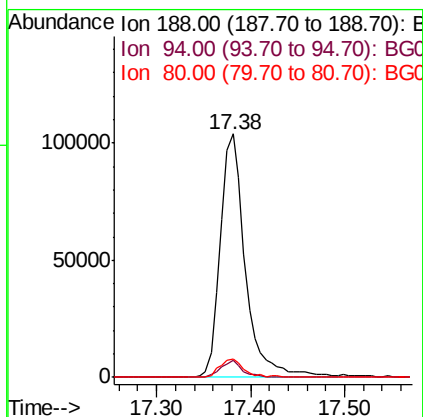
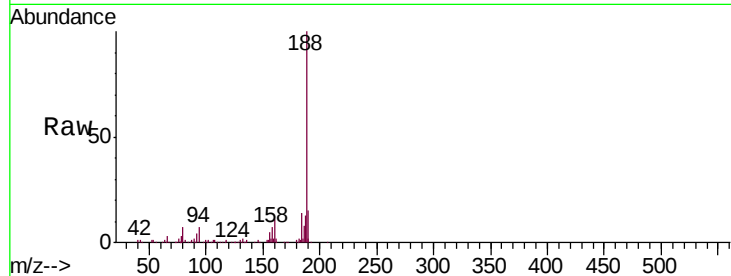




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BG036207.D
 Acq: 8 Aug 2018 21:11

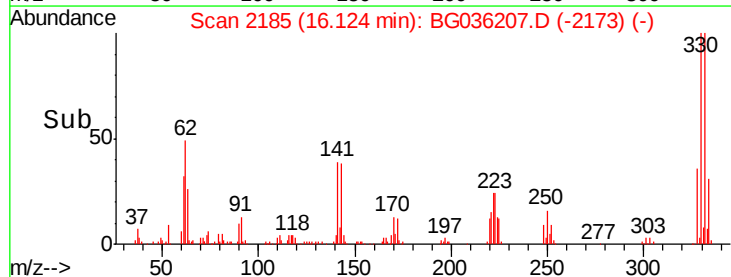
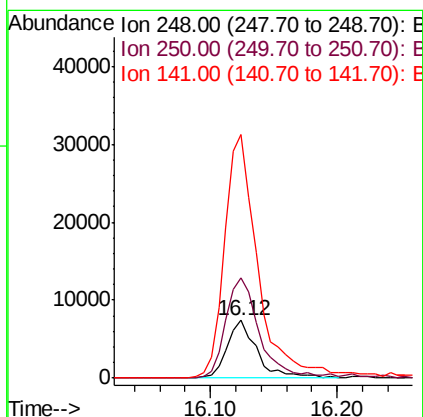
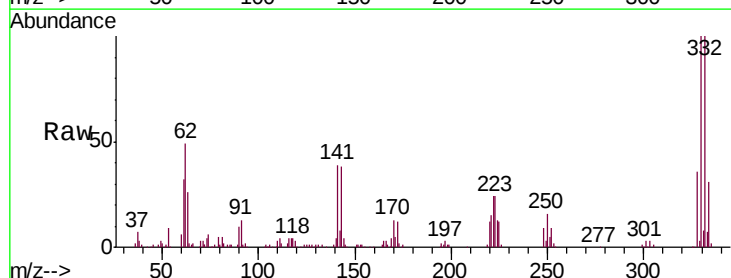
Instrument :
 BNA_G
 ClientSampleId :
 155-SOIL

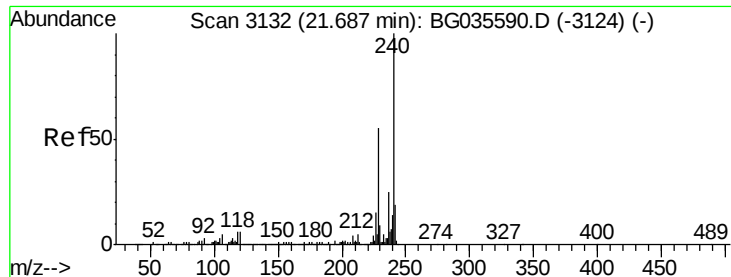
Tgt Ion:188 Resp: 194137
 Ion Ratio Lower Upper
 188 100
 94 7.0 6.9 10.3
 80 7.4 7.7 11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 5.324 ng
 RT: 16.12 min Scan# 2185
 Delta R.T. -0.46 min
 Lab File: BG036207.D
 Acq: 8 Aug 2018 21:11

Tgt Ion:248 Resp: 11991
 Ion Ratio Lower Upper
 248 100
 250 174.3 77.1 115.7#
 141 422.6 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: BG036207.D

Acq: 8 Aug 2018 21:11

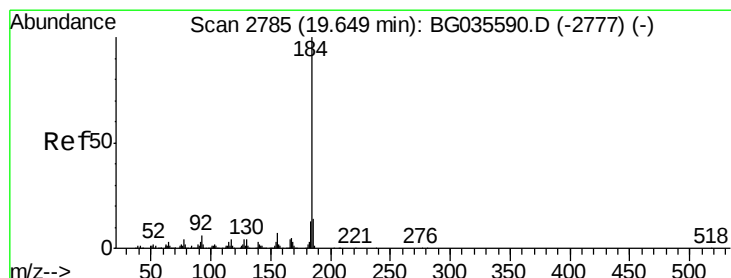
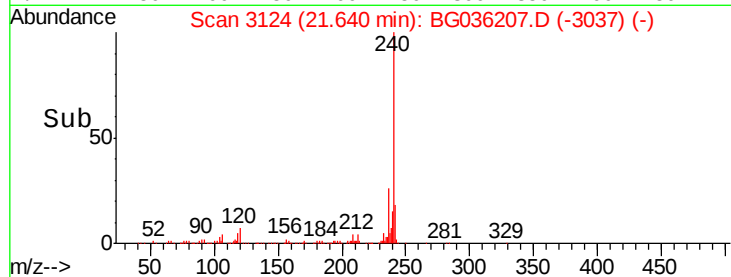
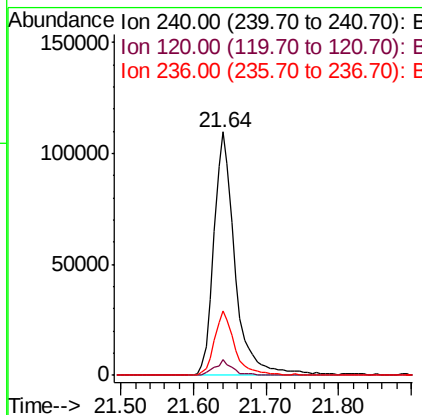
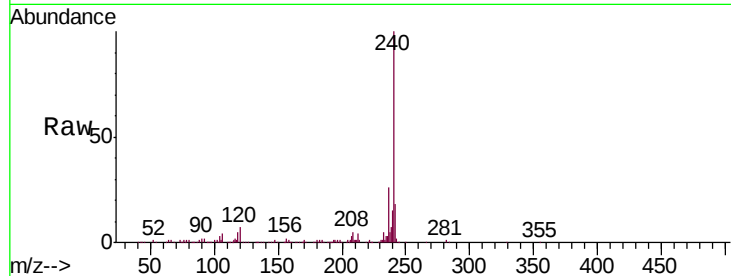
Instrument :

BNA_G

ClientSampled :

155-SOIL

Tgt Ion:240 Resp: 222713
 Ion Ratio Lower Upper
 240 100
 120 6.5 6.8 10.2#
 236 26.4 20.9 31.3



#76

Benzidine

Concen: 3.075 ng

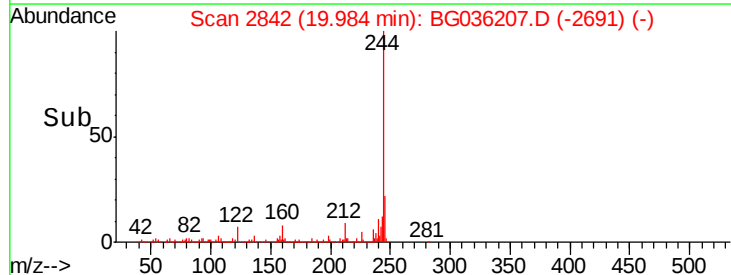
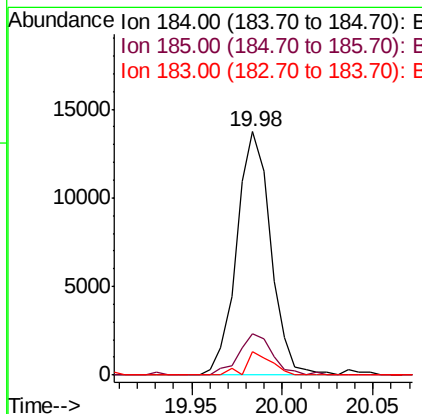
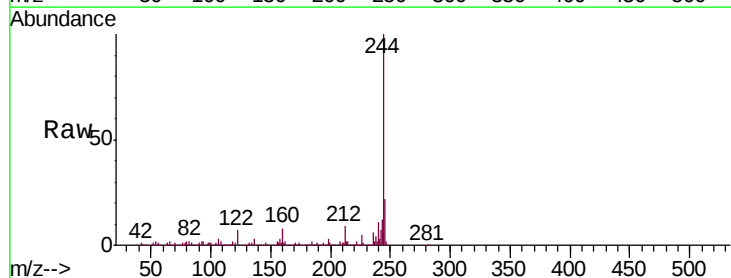
RT: 19.98 min Scan# 2842

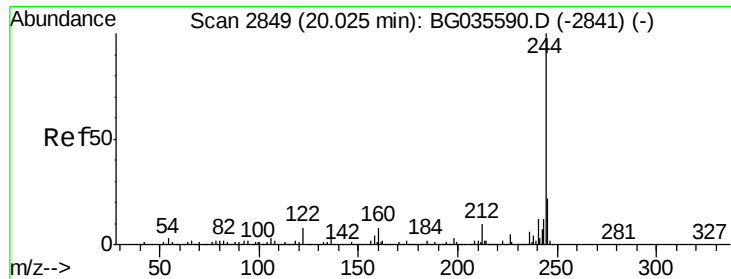
Delta R.T. 0.36 min

Lab File: BG036207.D

Acq: 8 Aug 2018 21:11

Tgt Ion:184 Resp: 18002
 Ion Ratio Lower Upper
 184 100
 185 16.9 11.1 16.7#
 183 9.5 10.6 16.0#





#78

Terphenyl-d14

Concen: 103.854 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036207.D

Acq: 8 Aug 2018 21:11

Instrument :

BNA_G

ClientSampled :

155-SOIL

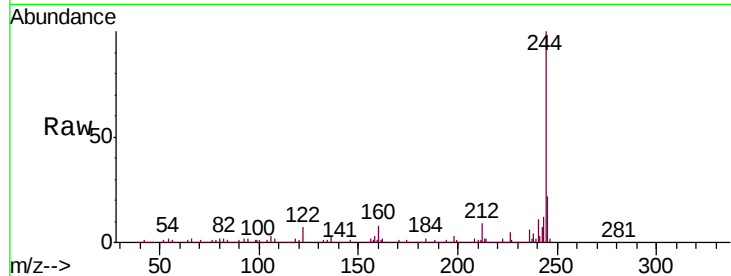
Tgt Ion:244 Resp: 1049293

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

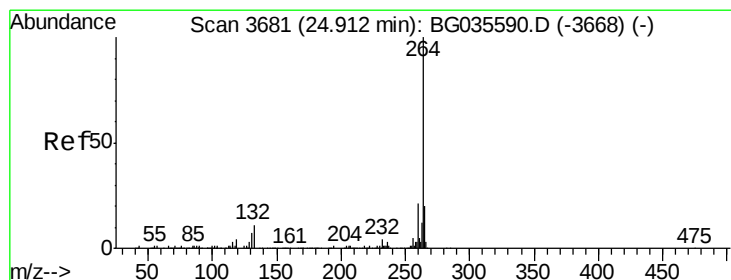
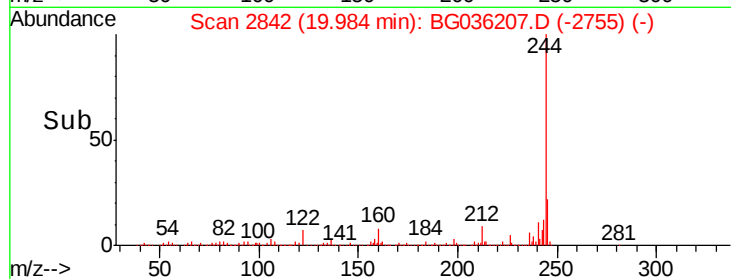
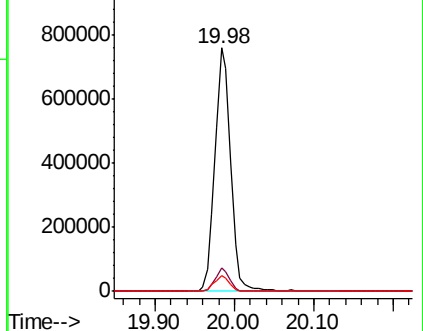
122 6.5 7.0 10.4#



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: 24.83 min Scan# 3667

Delta R.T. -0.03 min

Lab File: BG036207.D

Acq: 8 Aug 2018 21:11

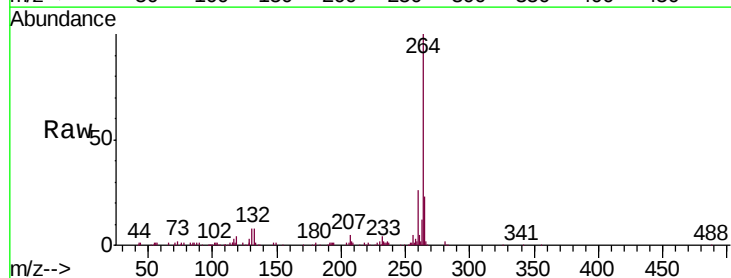
Tgt Ion:264 Resp: 203472

Ion Ratio Lower Upper

264 100

260 26.0 17.4 26.0

265 23.0 17.7 26.5



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

