

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071818\
 Data File : BG035742.D
 Acq On : 19 Jul 2018 7:34
 Operator : JU/SJ
 Sample : J4016-18
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 19 08:37:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 17:45:13 2018
 Response via : Initial Calibration

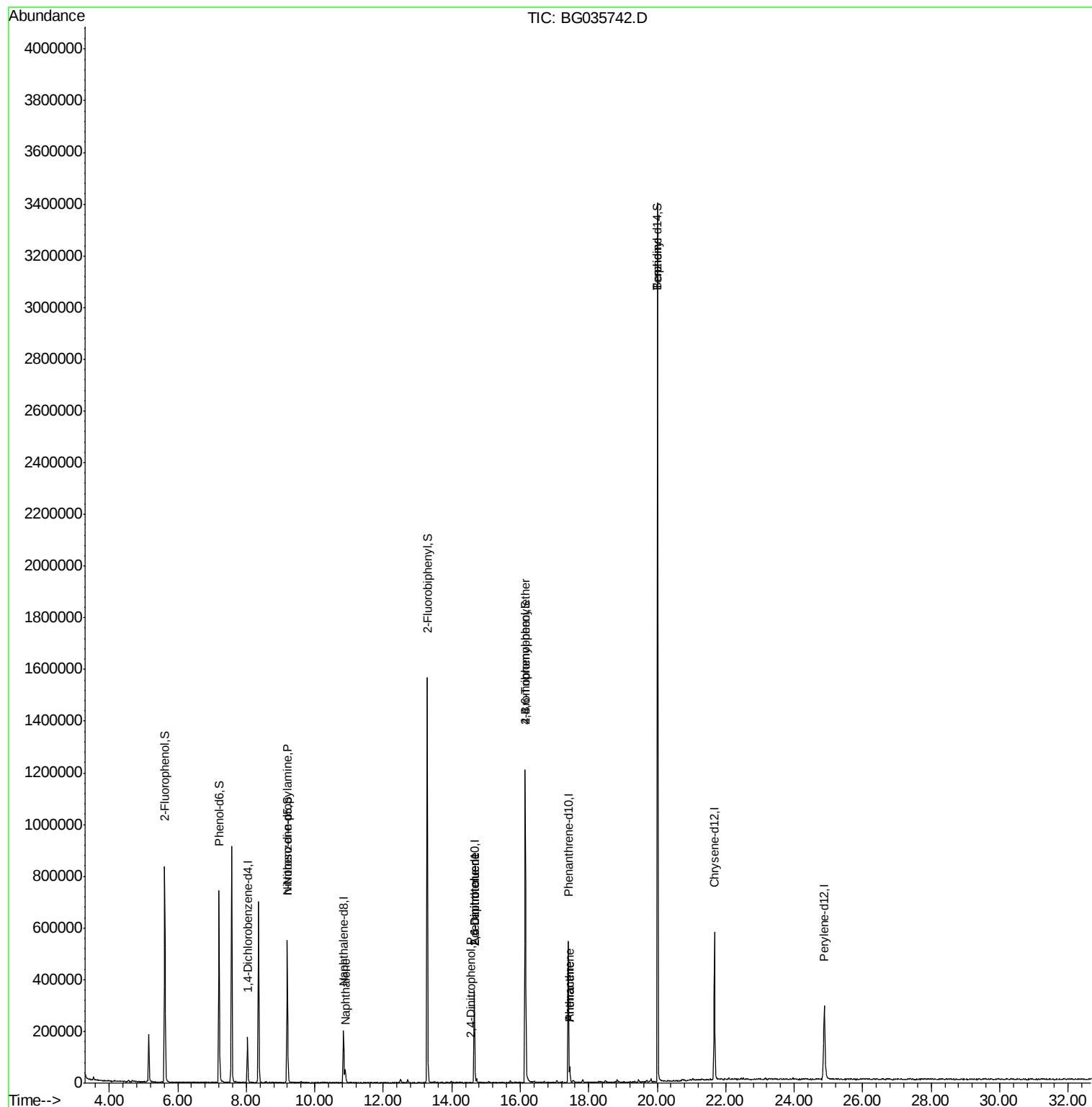
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	48944	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	176163	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	124361	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	351302	20.00	ng	0.00
75) Chrysene-d12	21.67	240	380551	20.00	ng	0.00
86) Perylene-d12	24.88	264	347997	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	359152	121.83	ng	0.00
7) Phenol-d6	7.21	99	454642	103.37	ng	0.00
23) Nitrobenzene-d5	9.20	82	383609	90.97	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	234685	143.17	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	861810	92.84	ng	0.00
78) Terphenyl-d14	20.01	244	1611244	93.33	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	52025	14.046	ng	Qvalue # 69
31) Naphthalene	10.90	128	44208	4.818	ng	98
50) 2,6-Dinitrotoluene	14.66	165	18517	8.345	ng	# 23
53) 2,4-Dinitrophenol	14.57	184	74	6.642	ng	# 1
56) 2,4-Dinitrotoluene	14.66	165	18517	5.817	ng	# 20
66) 4-Bromophenyl-phenylether	16.15	248	19155	4.700	ng	# 1
70) Phenanthrene	17.45	178	36643	2.090	ng	96
71) Anthracene	17.45	178	36643	2.099	ng	95
76) Benzidine	20.01	184	29889	2.987	ng	# 84

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



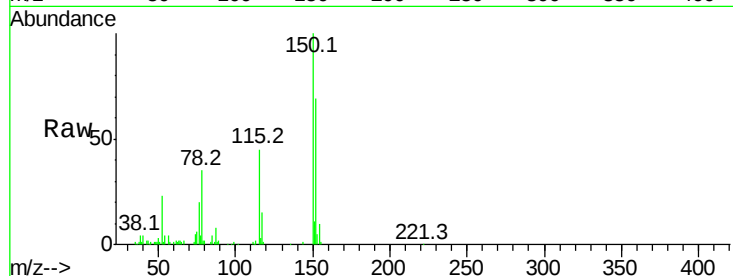


#1

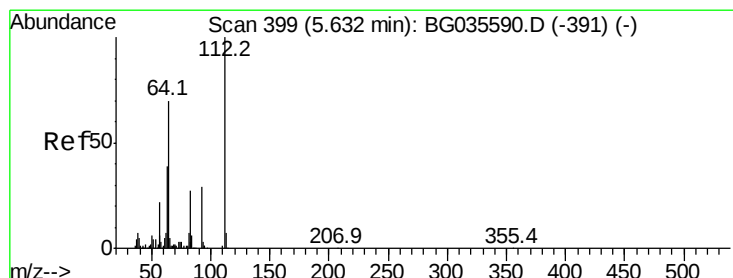
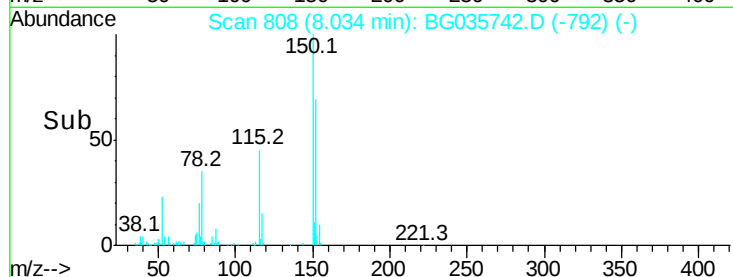
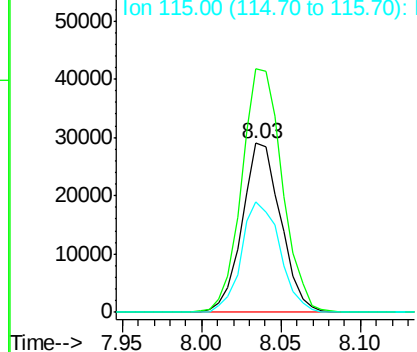
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.03 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BG035742.D
 Acq: 19 Jul 2018 7:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.2	126.6	189.8
115	65.1	53.0	79.4



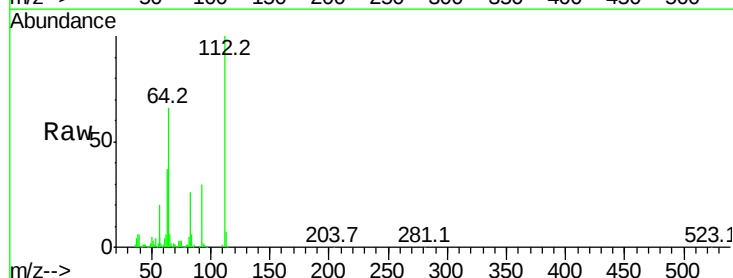
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



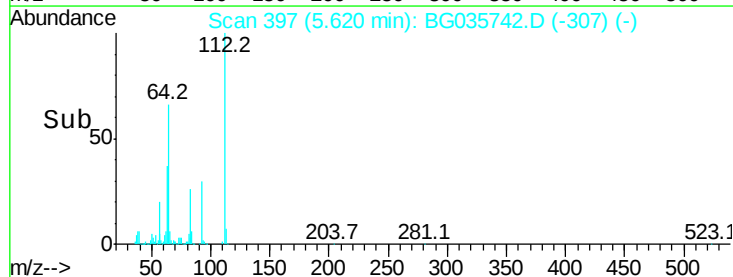
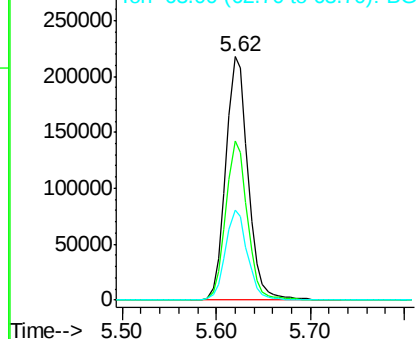
#5

2-Fluorophenol
 Concen: 121.828 ng
 RT: 5.62 min Scan# 397
 Delta R.T. -0.00 min
 Lab File: BG035742.D
 Acq: 19 Jul 2018 7:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	56.3	84.5
63	36.8	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: 103.365 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.00 min

Lab File: BG035742.D

Acq: 19 Jul 2018 7:34

Instrument :

BNA_G

ClientSampleId :

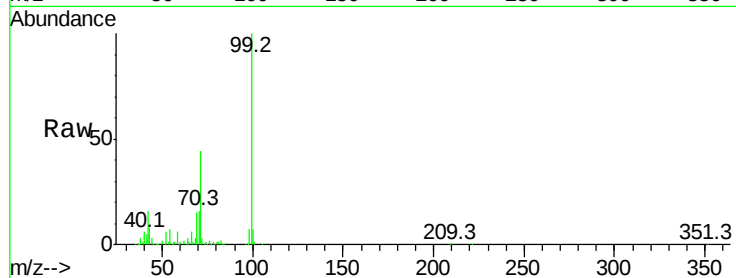
Tot Ion: 99 Resp: 454642

Ion Ratio Lower Upper

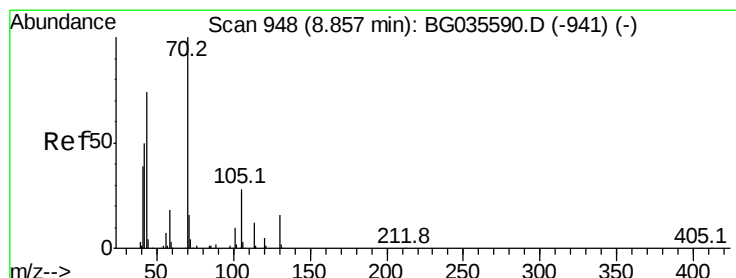
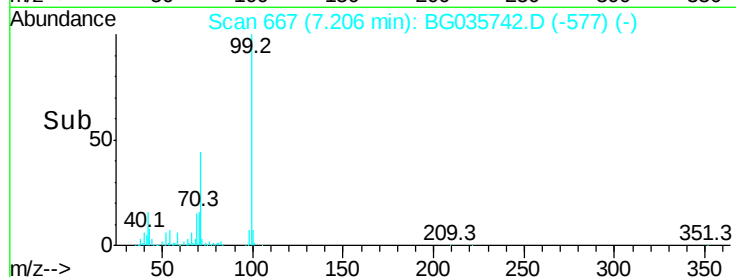
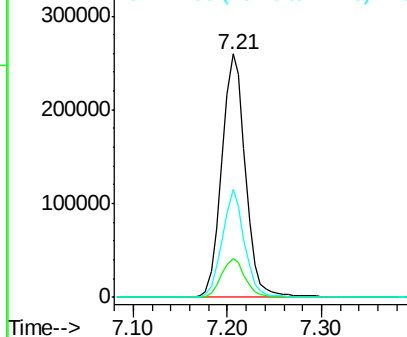
99 100

42 15.7 14.1 21.1

71 44.3 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: 14.046 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.36 min

Lab File: BG035742.D

Acq: 19 Jul 2018 7:34

Tgt Ion: 70 Resp: 52025

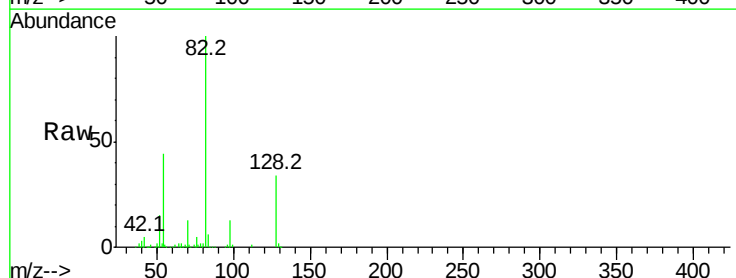
Ion Ratio Lower Upper

70 100

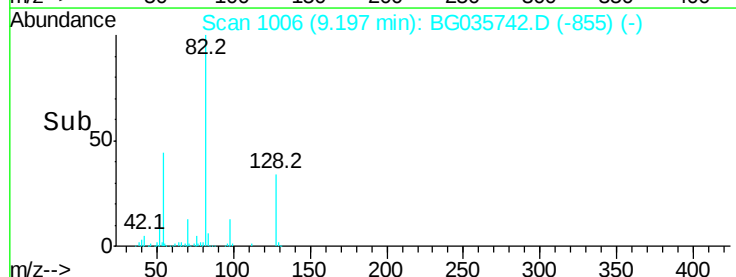
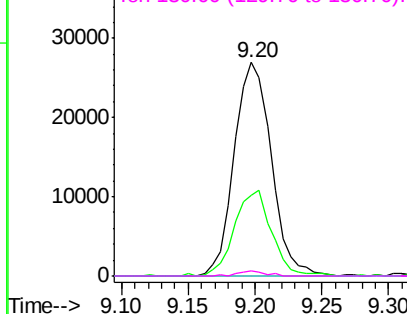
42 37.6 49.1 73.7#

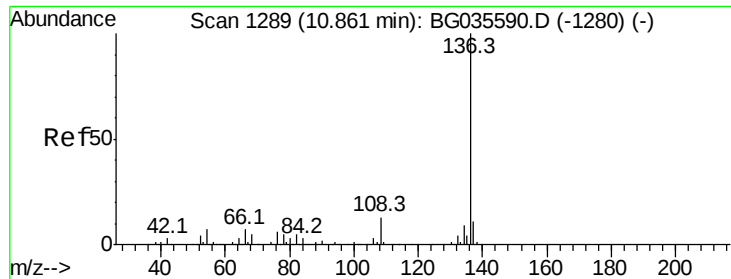
101 0.0 8.5 12.7#

130 2.6 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

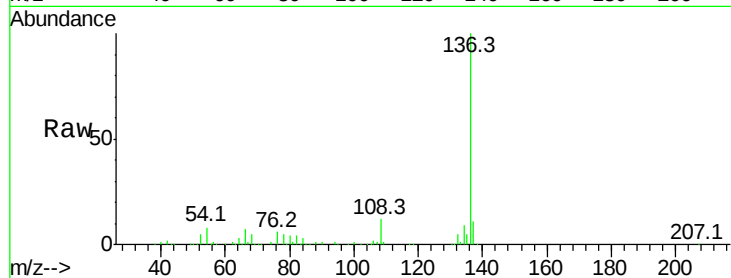




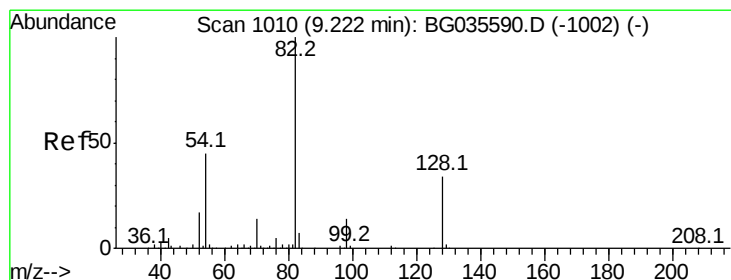
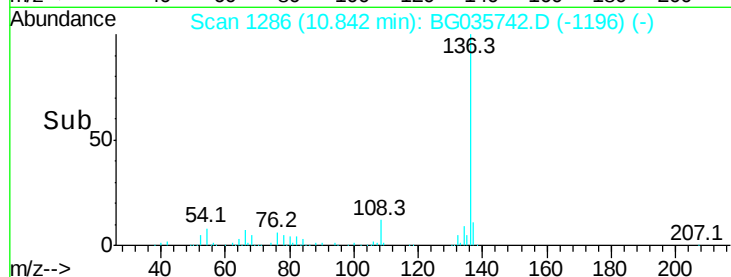
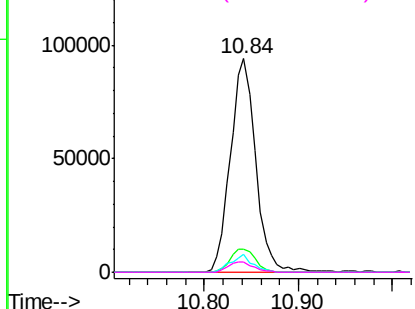
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BG035742.D
Acq: 19 Jul 2018 7:34

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	176163
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	8.3	10.3	15.5#
68	4.7	4.5	6.7

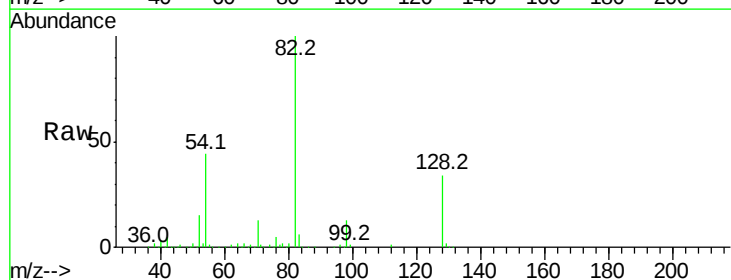


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

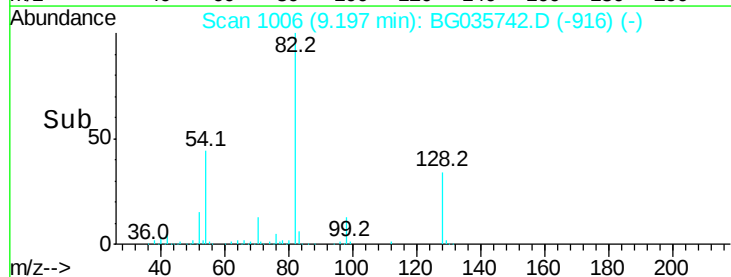
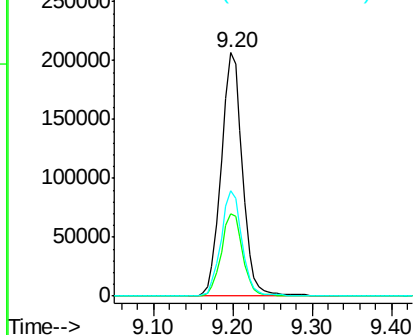


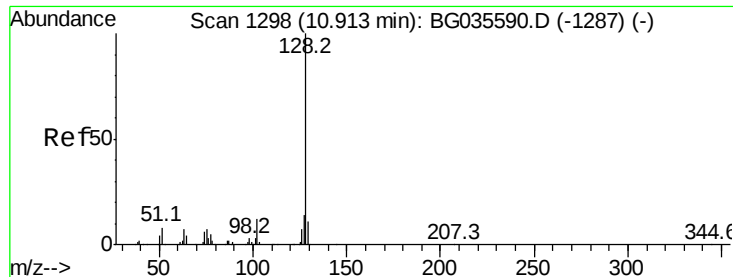
#23
Nitrobenzene-d5
Concen: 90.968 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BG035742.D
Acq: 19 Jul 2018 7:34

Tgt Ion:	82	Resp:	383609
Ion	Ratio	Lower	Upper
82	100		
128	33.7	29.7	44.5
54	43.5	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

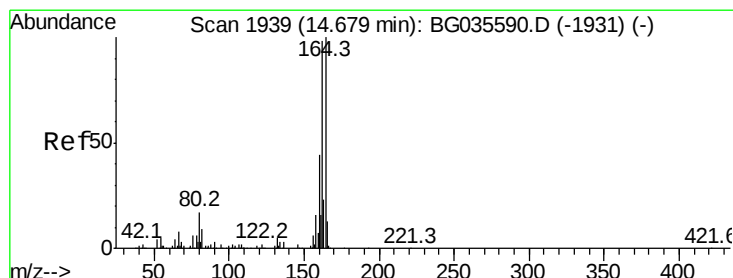
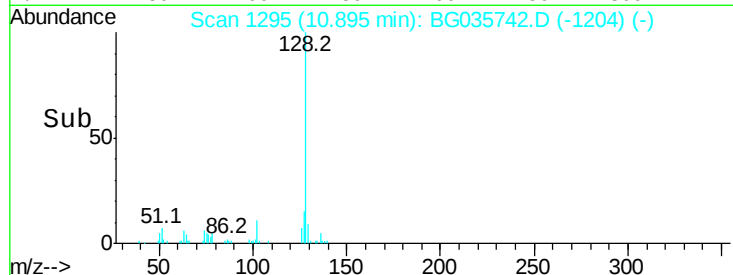
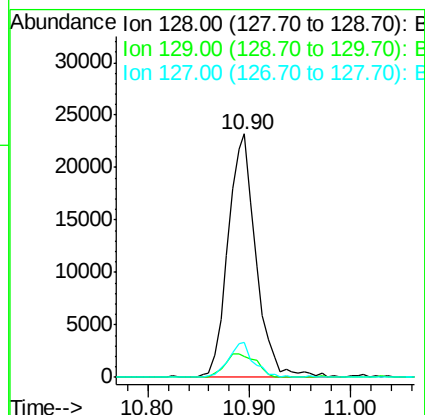
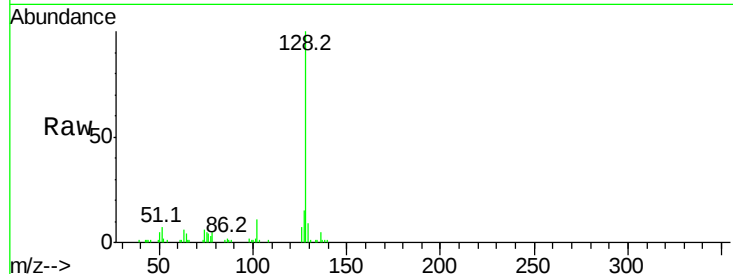




#31
Naphthalene
Concen: 4.818 ng
RT: 10.90 min Scan# 1295
Delta R.T. 0.01 min
Lab File: BG035742.D
Acq: 19 Jul 2018 7:34

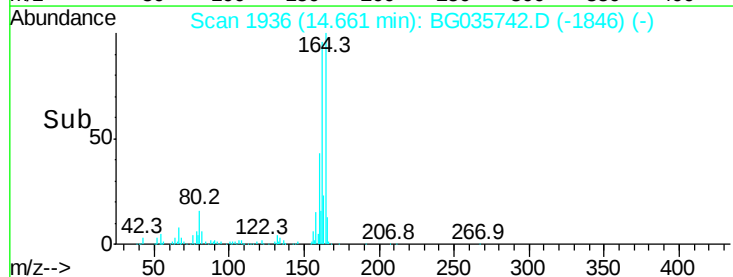
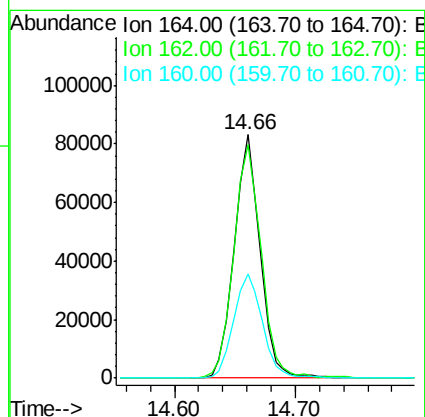
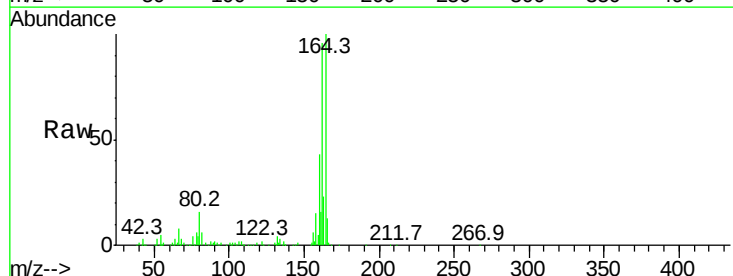
Instrument :
BNA_G
ClientSampleId :

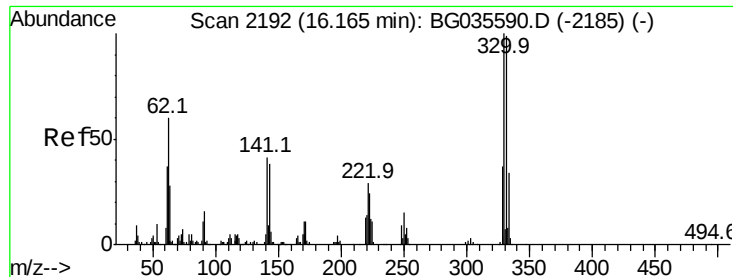
Tot Ion:128 Resp: 44208
Ion Ratio Lower Upper
128 100
129 8.6 8.6 12.8
127 14.6 11.6 17.4



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.00 min
Lab File: BG035742.D
Acq: 19 Jul 2018 7:34

Tgt Ion:164 Resp: 124361
Ion Ratio Lower Upper
164 100
162 96.0 78.8 118.2
160 42.8 35.4 53.0

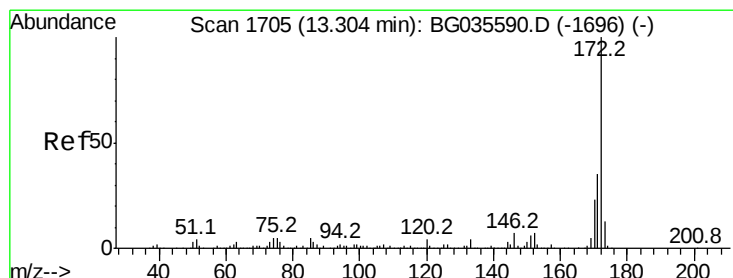
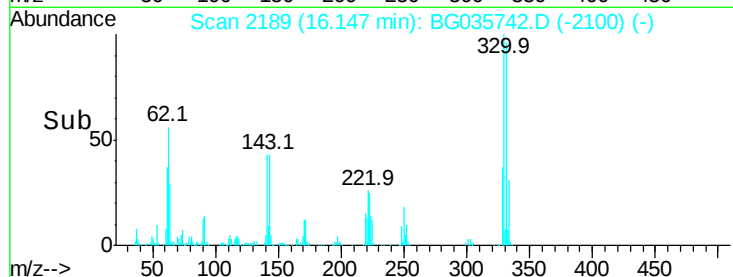
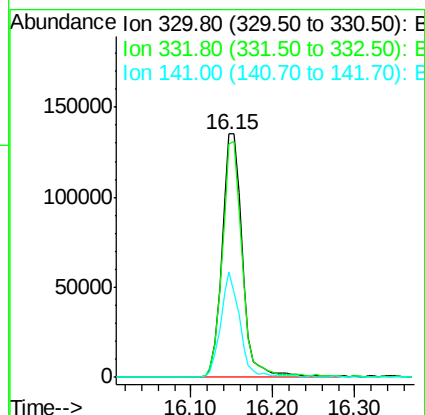
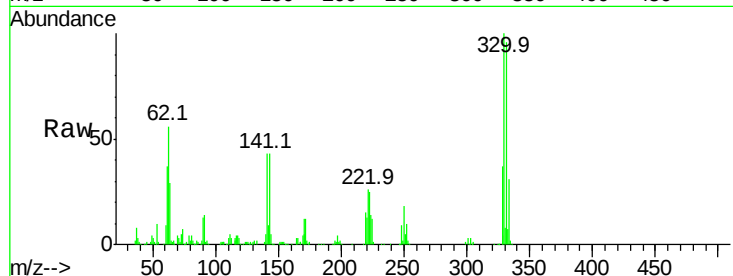




#41
 2,4,6-Tribromophenol
 Concen: 143.174 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.01 min
 Lab File: BG035742.D
 Acq: 19 Jul 2018 7:34

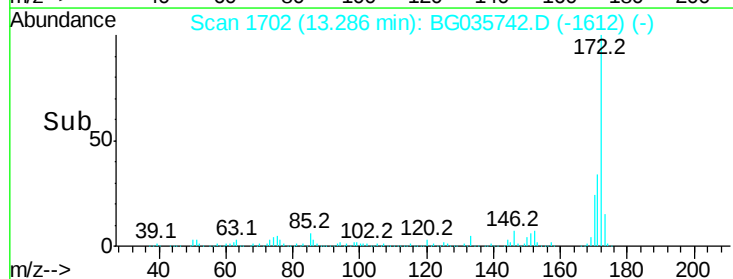
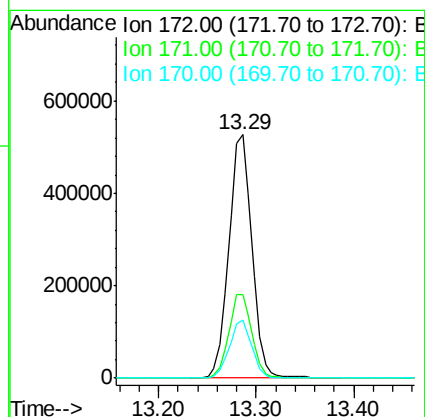
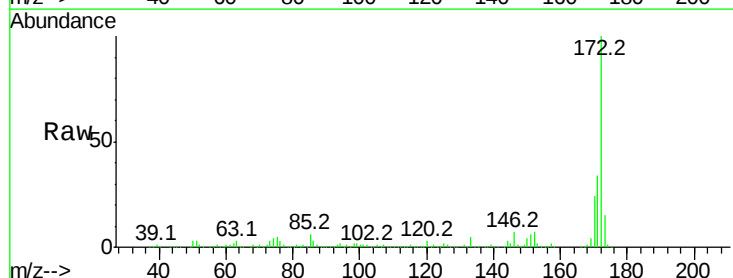
Instrument :
 BNA_G
 ClientSampleId :

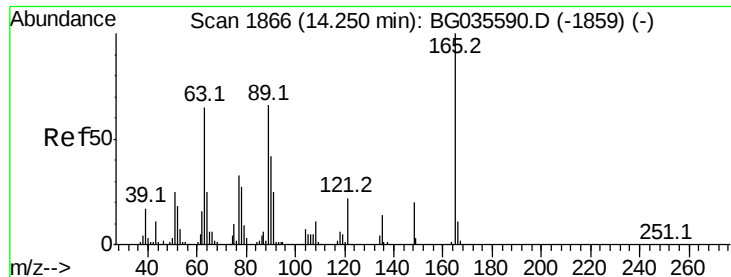
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.5	77.0	115.6
141	39.8	25.2	37.8#



#44
 2-Fluorobiphenyl
 Concen: 92.843 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: BG035742.D
 Acq: 19 Jul 2018 7:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	30.0	45.0
170	23.9	19.5	29.3

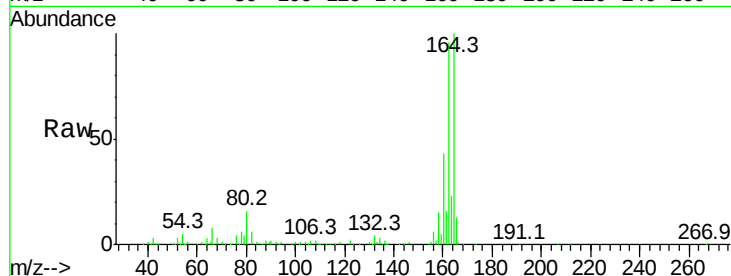




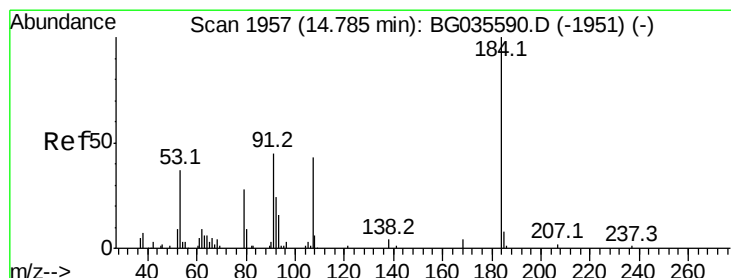
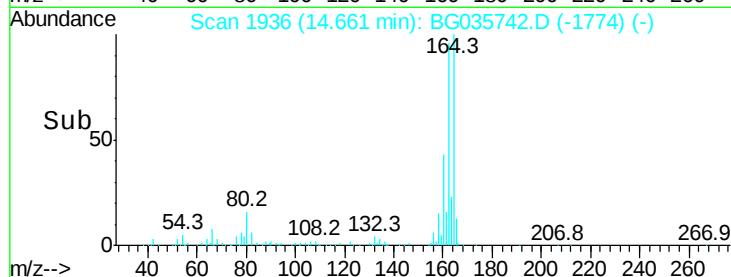
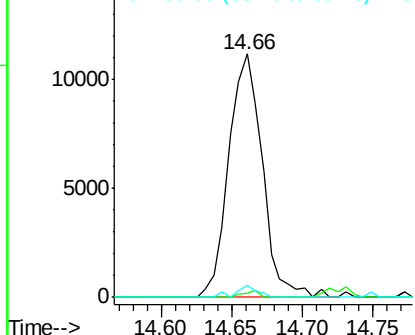
#50
 2,6-Dinitrotoluene
 Concen: 8.345 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG035742.D
 Acq: 19 Jul 2018 7:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 18517
 Ion Ratio Lower Upper
 165 100
 63 1.9 52.7 79.1#
 89 4.7 49.2 73.8#

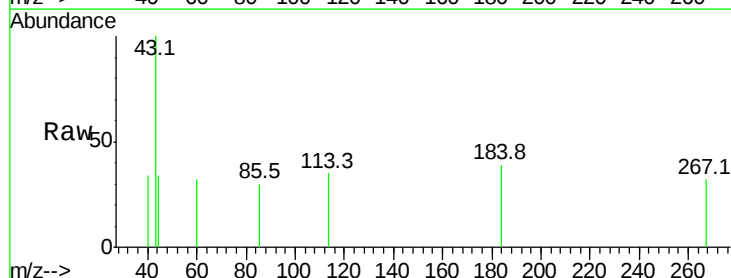


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

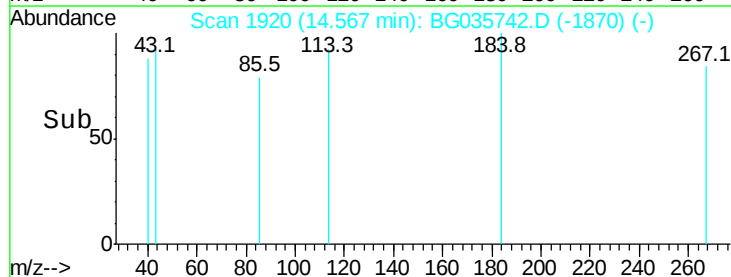
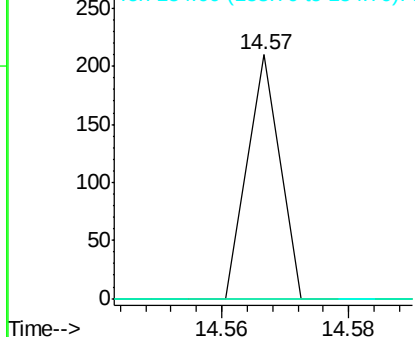


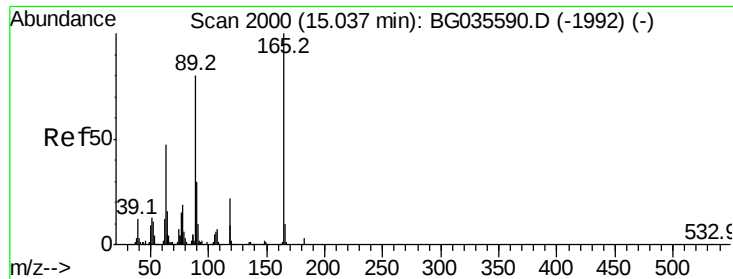
#53
 2,4-Dinitrophenol
 Concen: 6.642 ng
 RT: 14.57 min Scan# 1920
 Delta R.T. -0.24 min
 Lab File: BG035742.D
 Acq: 19 Jul 2018 7:34

Tgt Ion:184 Resp: 74
 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

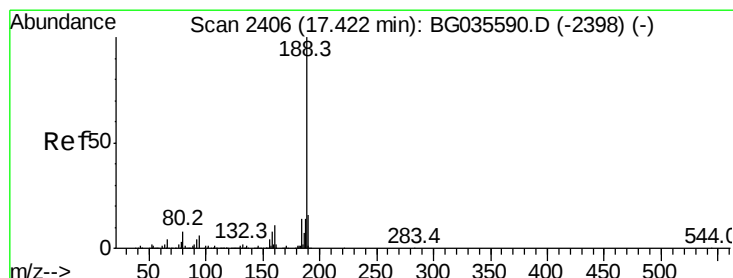
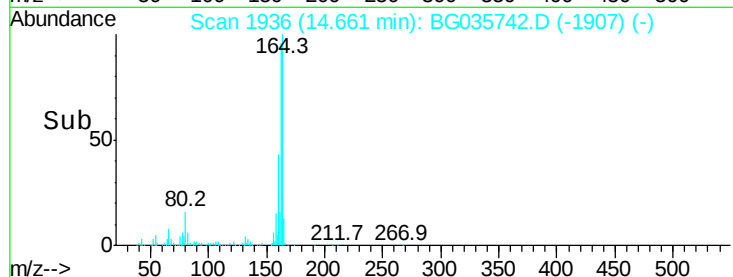
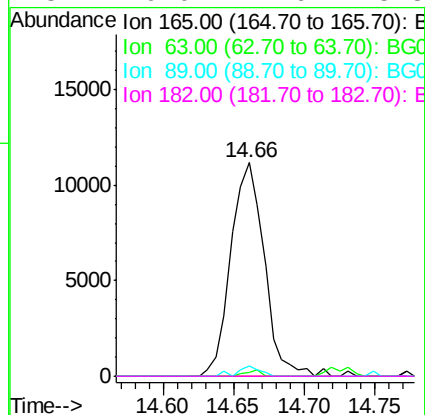
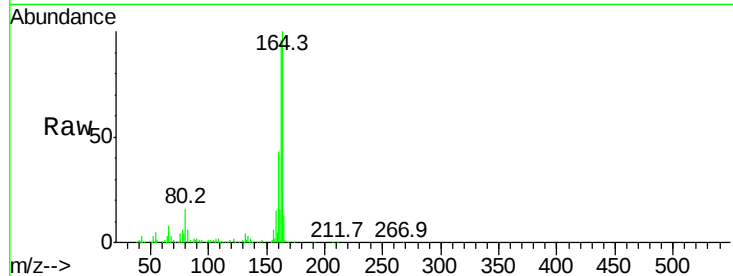




#56
2,4-Dinitrotoluene
Concen: 5.817 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.36 min
Lab File: BG035742.D
Acq: 19 Jul 2018 7:34

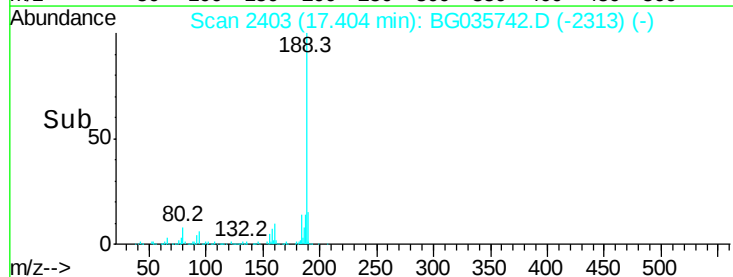
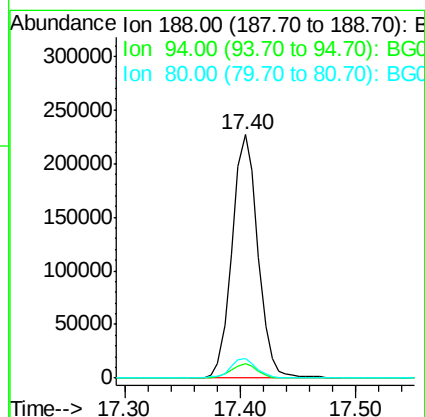
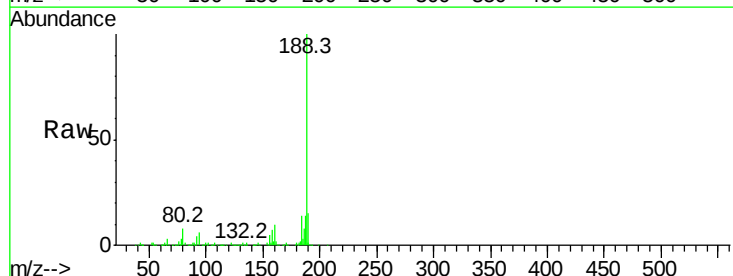
Instrument :
BNA_G
ClientSampleId :

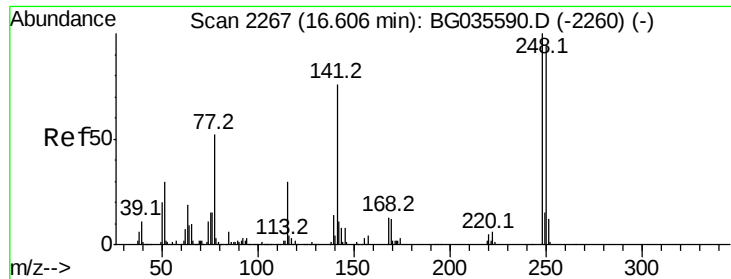
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	42.0	63.0#
89	4.7	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2403
Delta R.T. -0.00 min
Lab File: BG035742.D
Acq: 19 Jul 2018 7:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	6.9	10.3#
80	7.9	7.7	11.5

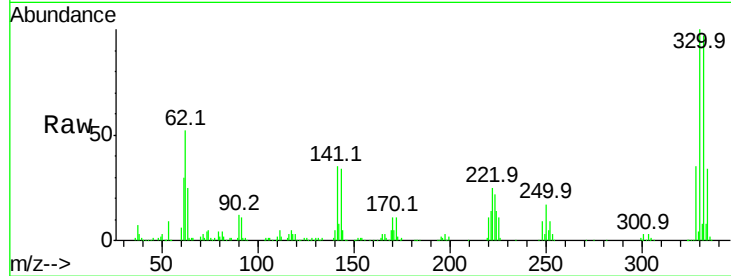




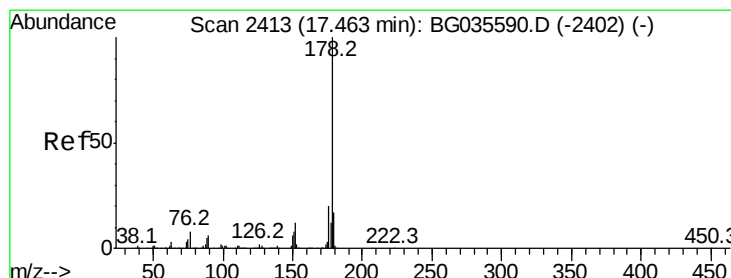
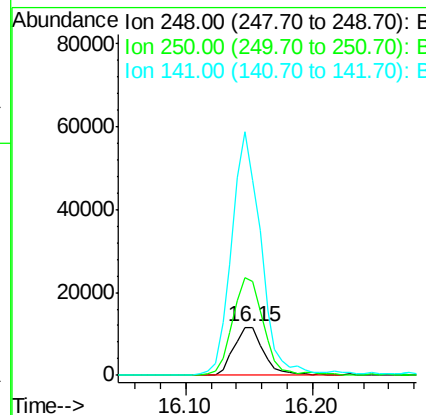
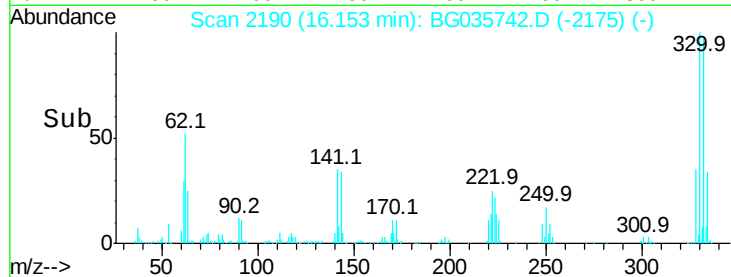
#66
 4-Bromophenyl-phenylether
 Concen: 4.700 ng
 RT: 16.15 min Scan# 2190
 Delta R.T. -0.44 min
 Lab File: BG035742.D
 Acq: 19 Jul 2018 7:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
248	100			
250	193.7	77.1	115.7#	
141	402.2	50.8	76.2#	

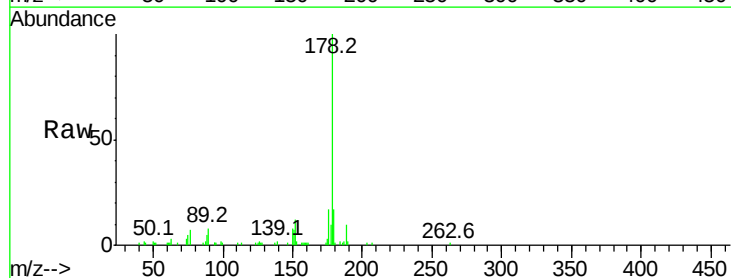


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

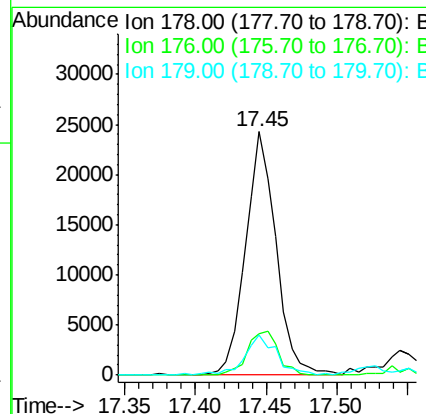
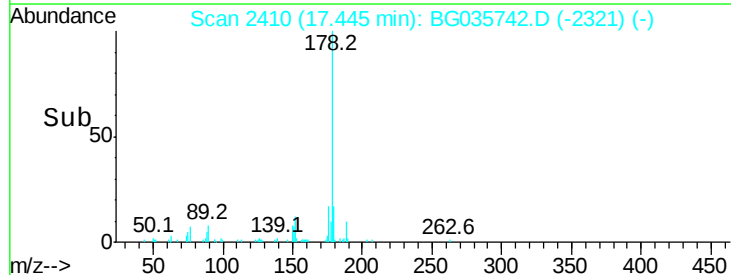


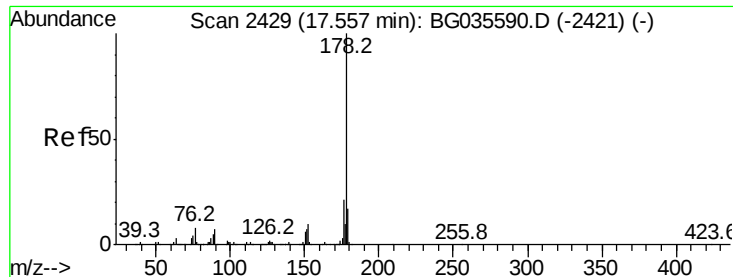
#70
 Phenanthrene
 Concen: 2.090 ng
 RT: 17.45 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BG035742.D
 Acq: 19 Jul 2018 7:34

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	17.2	15.7	23.5	
179	16.7	12.5	18.7	



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

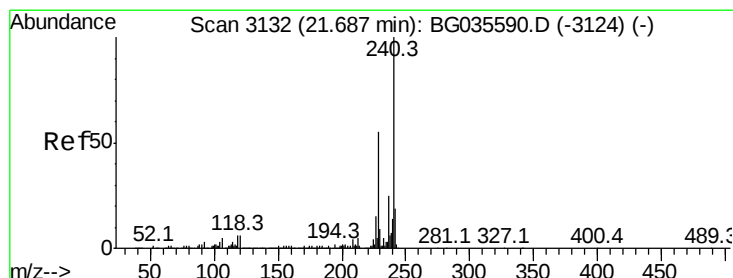
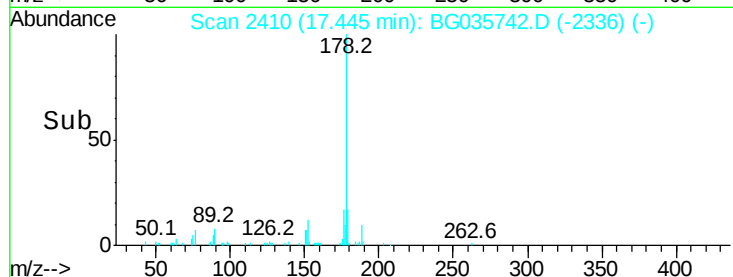
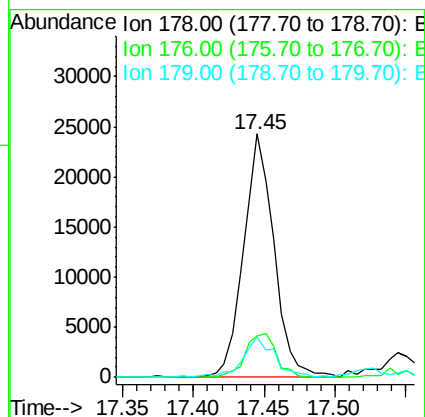
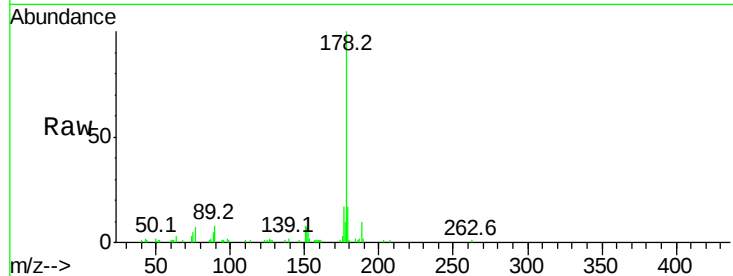




#71
 Anthracene
 Concen: 2.099 ng
 RT: 17.45 min Scan# 2410
 Delta R.T. -0.09 min
 Lab File: BG035742.D
 Acq: 19 Jul 2018 7:34

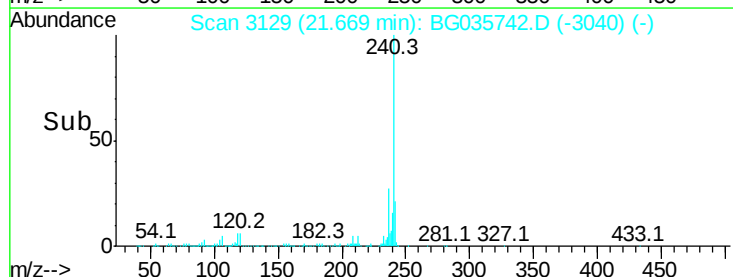
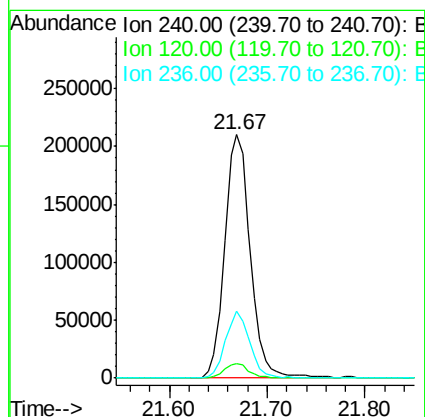
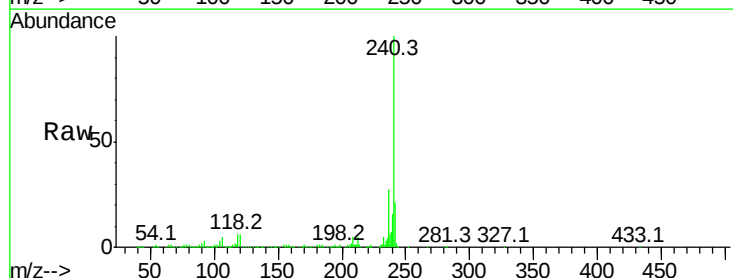
Instrument :
 BNA_G
 ClientSampleId :

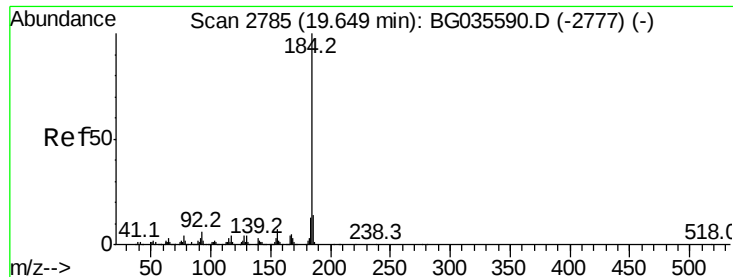
Tot Ion:178 Resp: 36643
 Ion Ratio Lower Upper
 178 100
 176 17.2 16.0 24.0
 179 16.7 12.5 18.7



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3129
 Delta R.T. -0.01 min
 Lab File: BG035742.D
 Acq: 19 Jul 2018 7:34

Tgt Ion:240 Resp: 380551
 Ion Ratio Lower Upper
 240 100
 120 5.7 6.8 10.2#
 236 27.3 20.9 31.3





#76

Benzidine

Concen: 2.987 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.38 min

Lab File: BG035742.D

Acq: 19 Jul 2018 7:34

Instrument :

BNA_G

ClientSampleId :

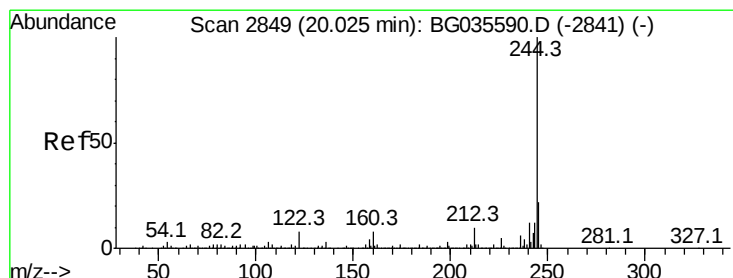
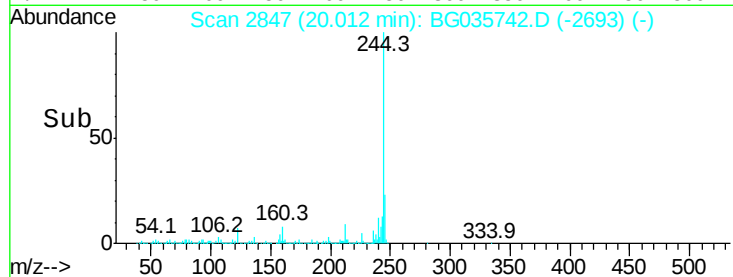
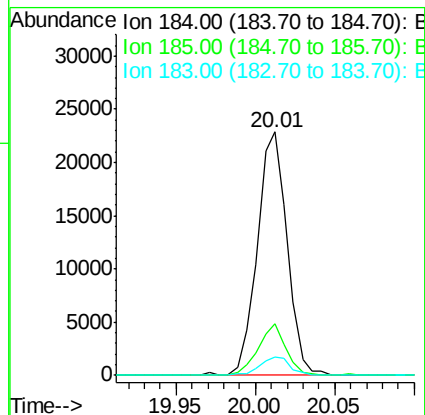
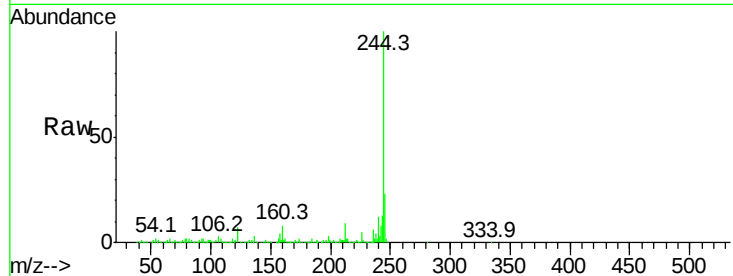
Tot Ion:184 Resp: 29889

Ion Ratio Lower Upper

184 100

185 21.2 11.1 16.7#

183 7.6 10.6 16.0#



#78

Terphenyl-d14

Concen: 93.330 ng

RT: 20.01 min Scan# 2847

Delta R.T. -0.00 min

Lab File: BG035742.D

Acq: 19 Jul 2018 7:34

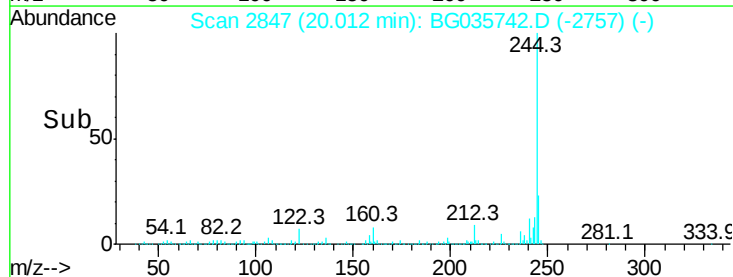
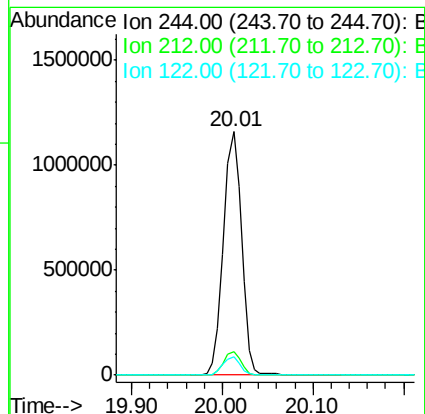
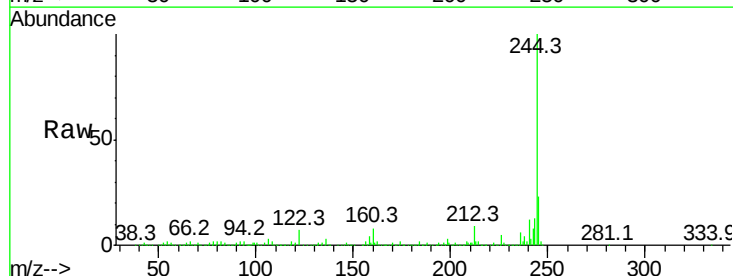
Tgt Ion:244 Resp: 1611244

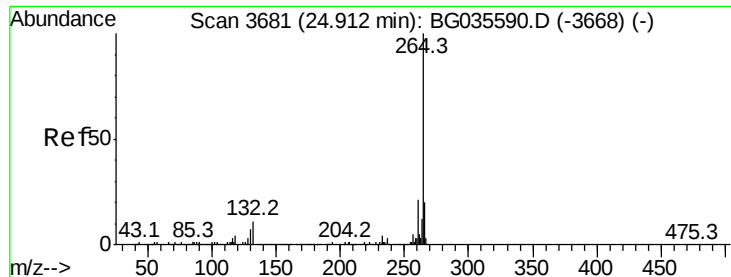
Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

122 7.4 7.0 10.4

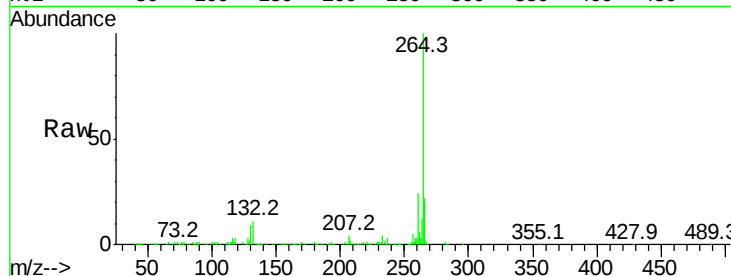




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.88 min Scan# 3675
 Delta R.T. -0.01 min
 Lab File: BG035742.D
 Acq: 19 Jul 2018 7:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.4	26.0
265	21.5	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

