

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091818\
 Data File : BG036793.D
 Acq On : 18 Sep 2018 19:47
 Operator : JU/SJ
 Sample : J4942-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 05:53:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 31 13:03:20 2018
 Response via : Initial Calibration

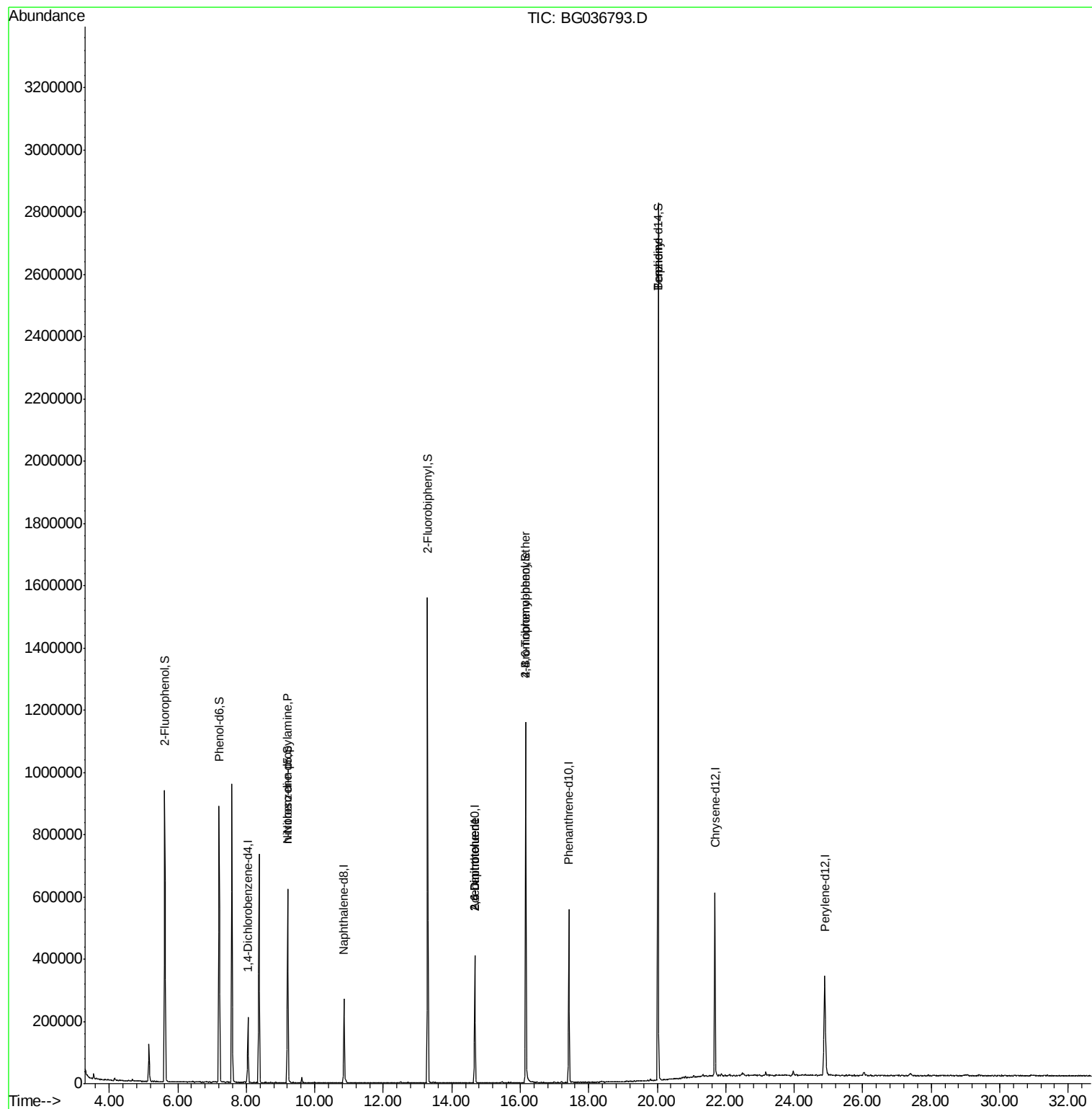
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	58908	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	234930	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	144109	20.00	ng	-0.01
63) Phenanthrene-d10	17.42	188	359913	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	373478	20.00	ng	-0.01
86) Perylene-d12	24.89	264	366350	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	395133	106.40	ng	0.00
7) Phenol-d6	7.21	99	501320	94.29	ng	-0.01
23) Nitrobenzene-d5	9.21	82	372693	86.07	ng	-0.01
41) 2,4,6-Tribromophenol	16.16	330	222445	129.36	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	821989	81.44	ng	-0.02
78) Terphenyl-d14	20.03	244	1374421	86.02	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	49455	12.446	ng	# 72
50) 2,6-Dinitrotoluene	14.67	165	18623	7.691	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	18623	5.901	ng	# 19
66) 4-Bromophenyl-phenylether	16.15	248	15209	3.609	ng	# 1
76) Benzidine	20.02	184	23888	2.005	ng	# 93

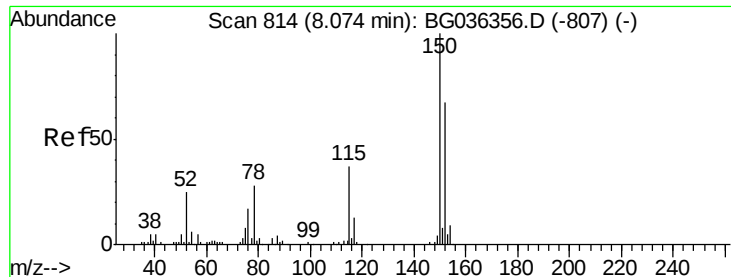
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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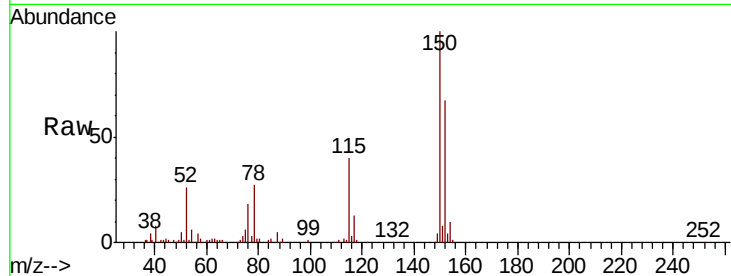


#1

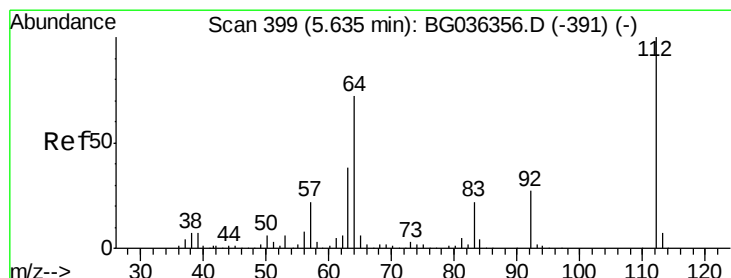
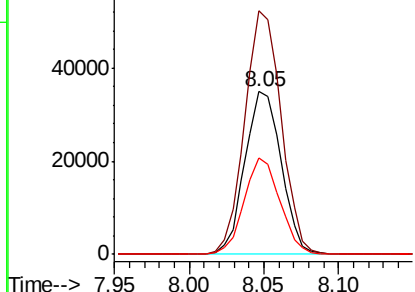
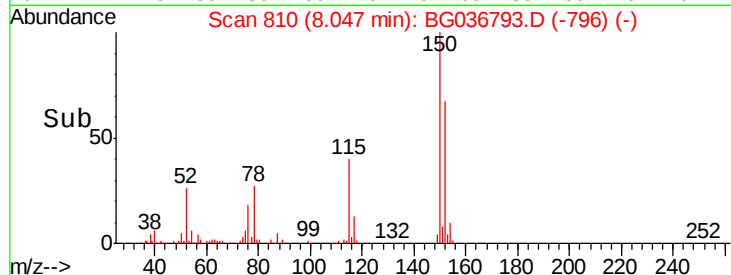
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. -0.02 min
Lab File: BG036793.D
Acq: 18 Sep 2018 19:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 58908
Ion Ratio Lower Upper
152 100
150 149.6 119.5 179.3
115 59.2 44.5 66.7



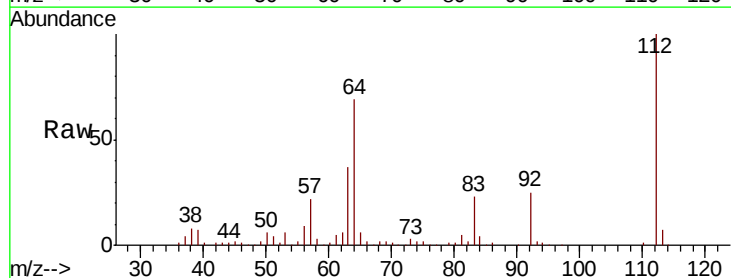
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



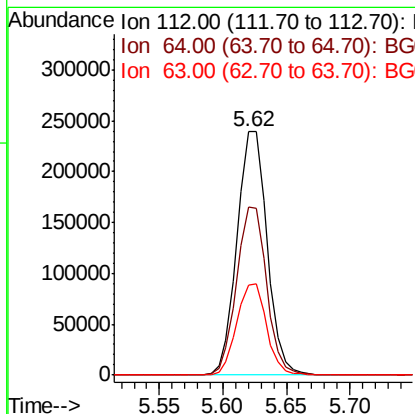
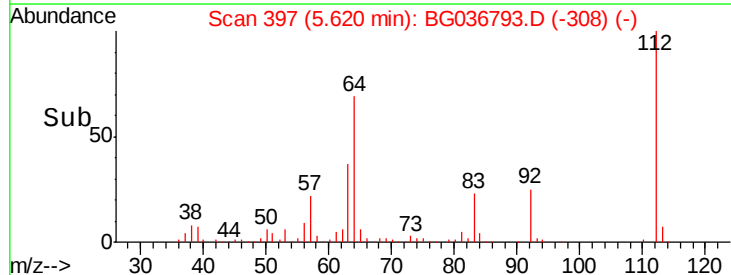
#5

2-Fluorophenol
Concen: 106.403 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.01 min
Lab File: BG036793.D
Acq: 18 Sep 2018 19:47

Tgt Ion:112 Resp: 395133
Ion Ratio Lower Upper
112 100
64 68.9 57.2 85.8
63 37.0 30.8 46.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 94.288 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036793.D

Acq: 18 Sep 2018 19:47

Instrument :

BNA_G

ClientSampleId :

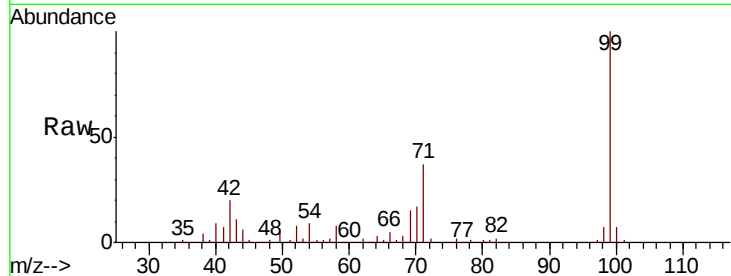
Tot Ion: 99 Resp: 501320

Ion Ratio Lower Upper

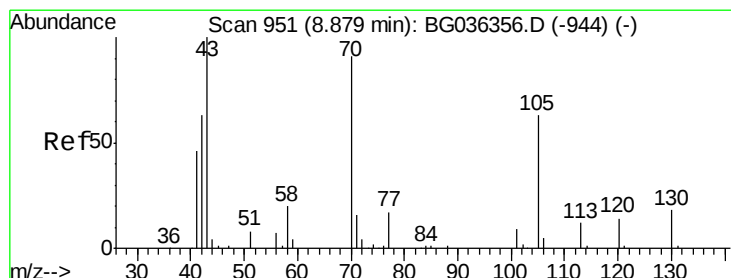
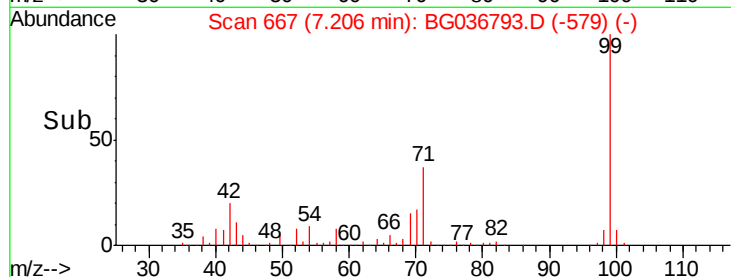
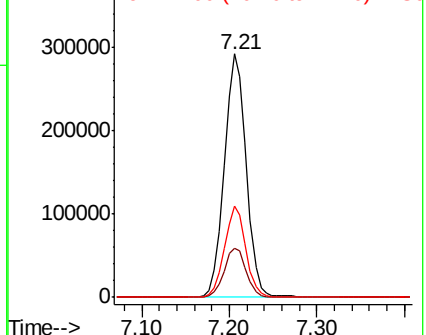
99 100

42 20.1 16.5 24.7

71 37.5 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: 12.446 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036793.D

Acq: 18 Sep 2018 19:47

Tgt Ion: 70 Resp: 49455

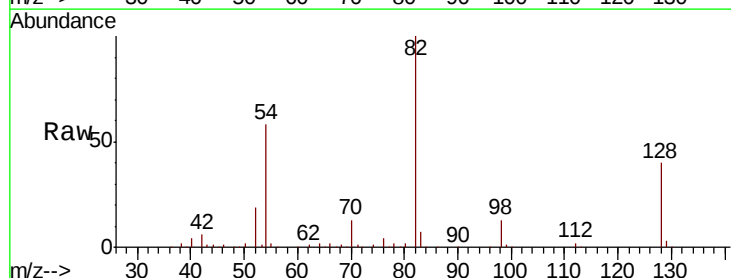
Ion Ratio Lower Upper

70 100

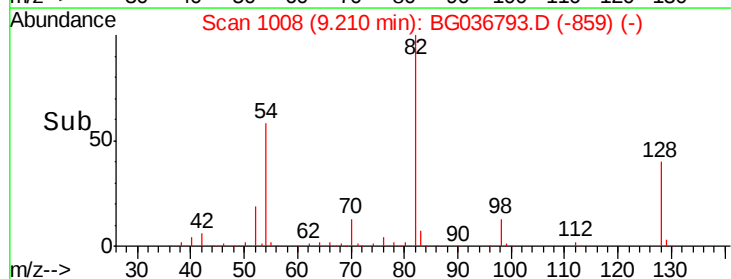
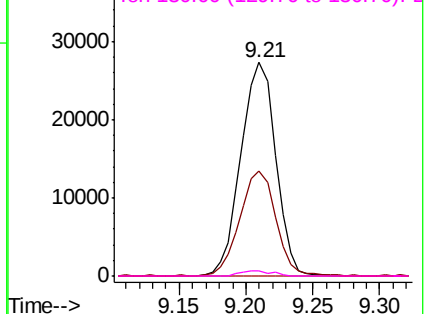
42 49.2 56.2 84.4#

101 0.0 7.8 11.6#

130 2.3 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

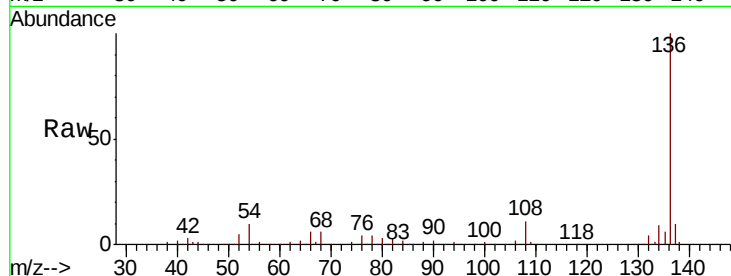




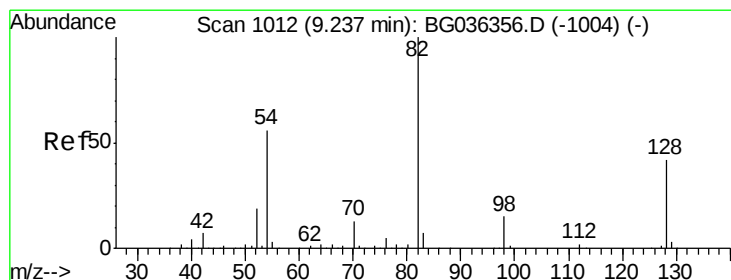
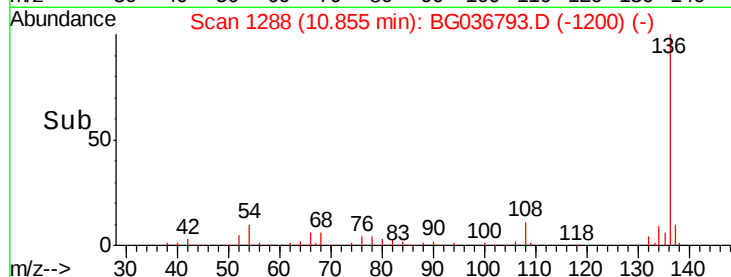
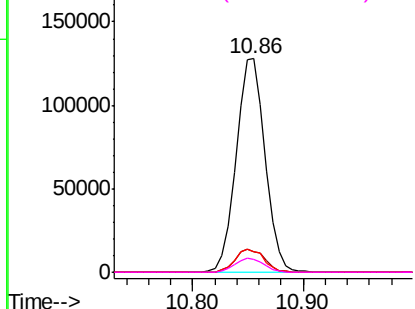
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036793.D
Acq: 18 Sep 2018 19:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	234930
Ion	Ratio	Lower Upper
136	100	
137	9.8	8.8 13.2
54	9.9	9.2 13.8
68	5.9	5.8 8.6

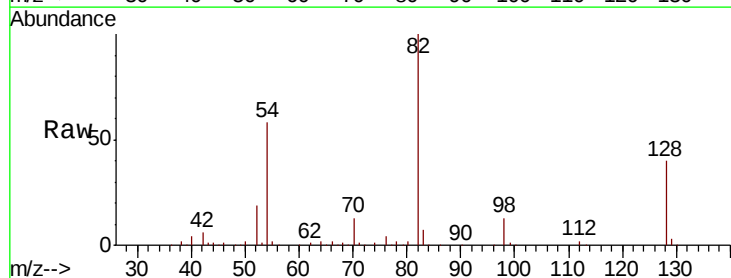


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

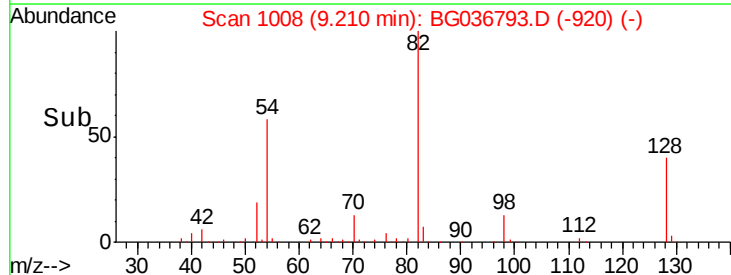
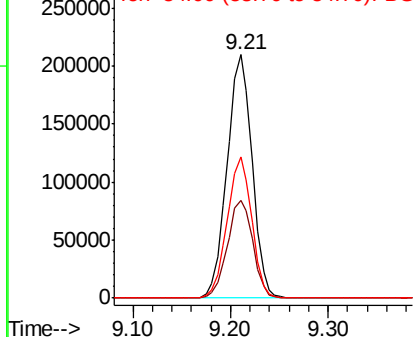


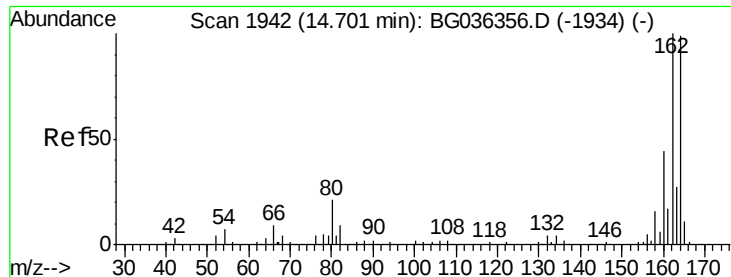
#23
Nitrobenzene-d5
Concen: 86.073 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036793.D
Acq: 18 Sep 2018 19:47

Tgt Ion: 82	Resp:	372693
Ion	Ratio	Lower Upper
82	100	
128	40.3	33.3 49.9
54	57.8	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: 14.67 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG036793.D

Acq: 18 Sep 2018 19:47

Instrument :

BNA_G

ClientSampleId :

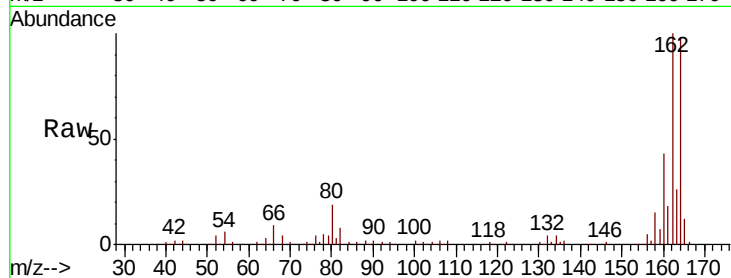
Tot Ion:164 Resp: 144109

Ion Ratio Lower Upper

164 100

162 102.4 80.7 121.1

160 44.5 35.3 52.9

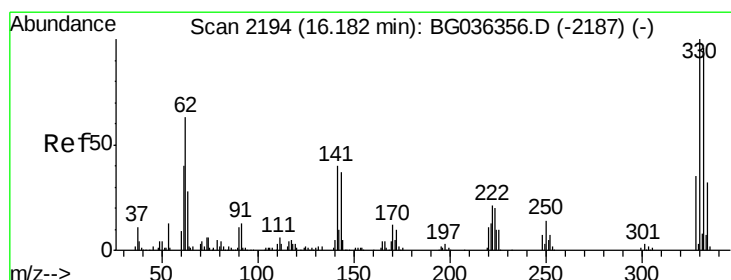
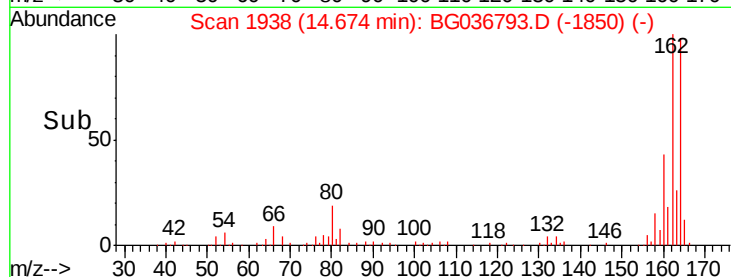
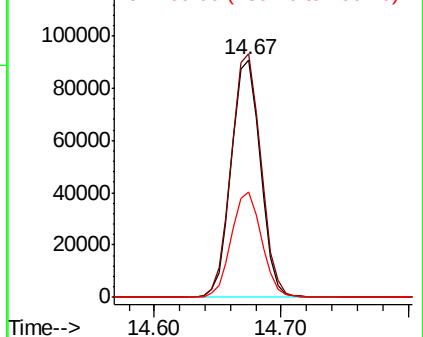


Abundance

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: 129.363 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036793.D

Acq: 18 Sep 2018 19:47

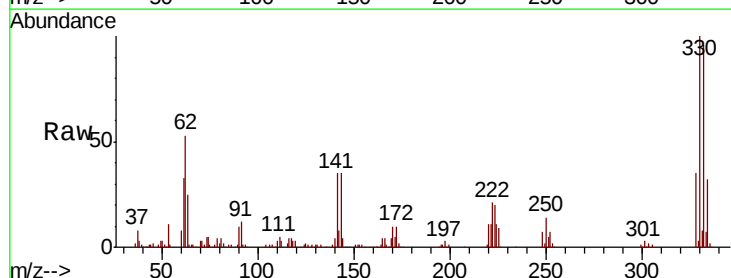
Tgt Ion:330 Resp: 222445

Ion Ratio Lower Upper

330 100

332 95.9 75.4 113.2

141 37.2 30.7 46.1

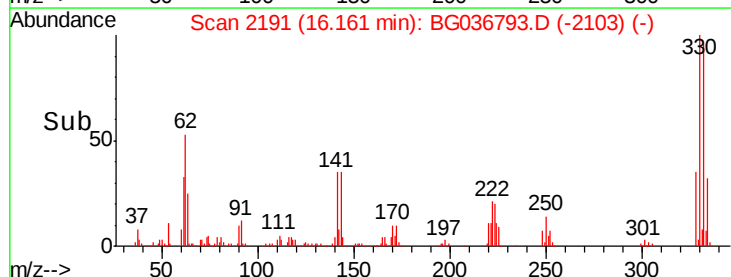
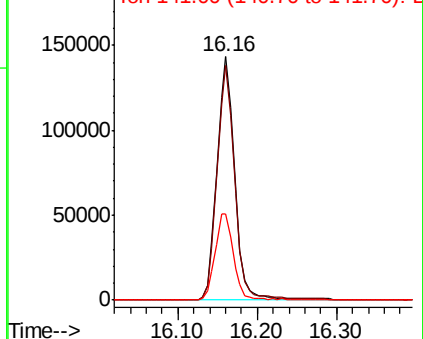


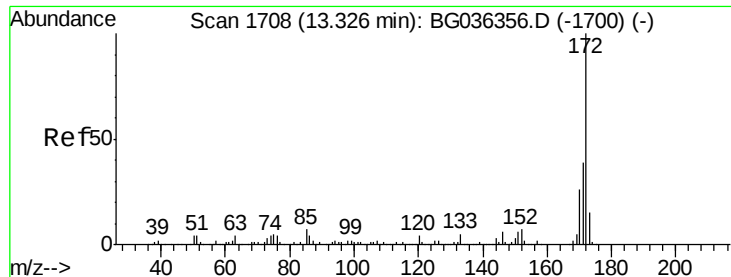
Abundance

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

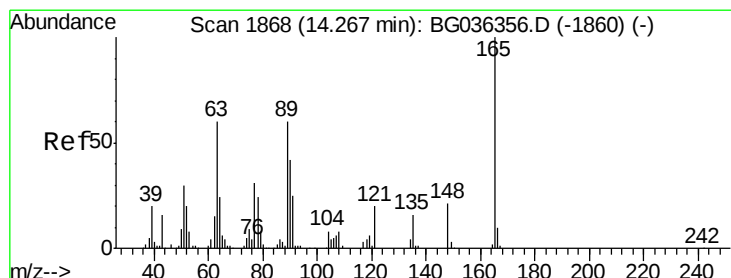
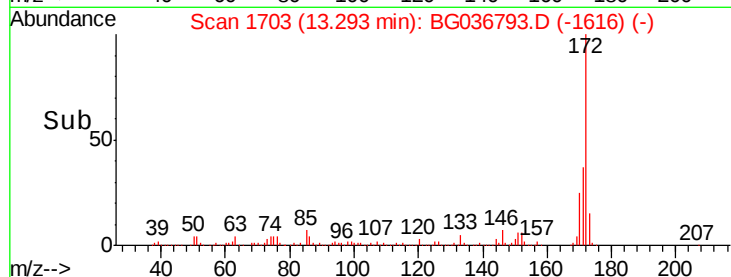
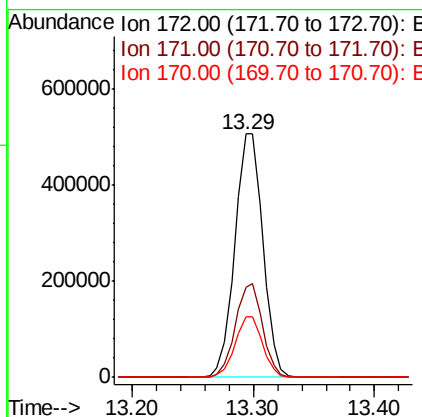
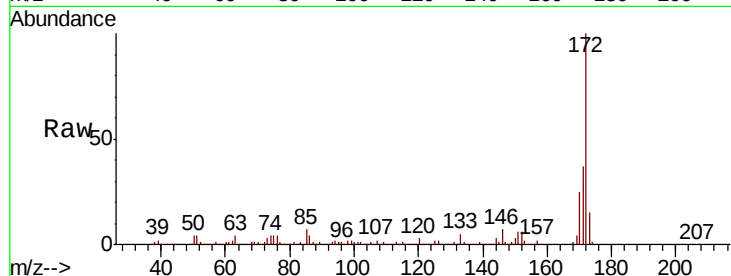




#44
 2-Fluorobiphenyl
 Concen: 81.442 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.02 min
 Lab File: BG036793.D
 Acq: 18 Sep 2018 19:47

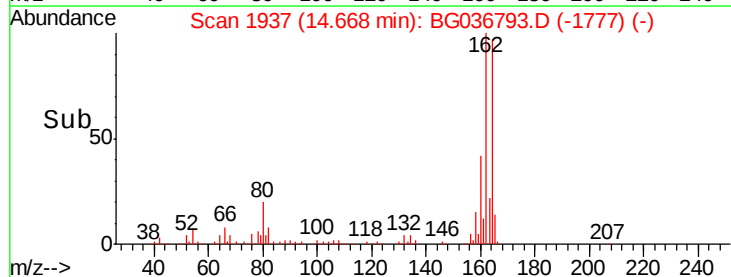
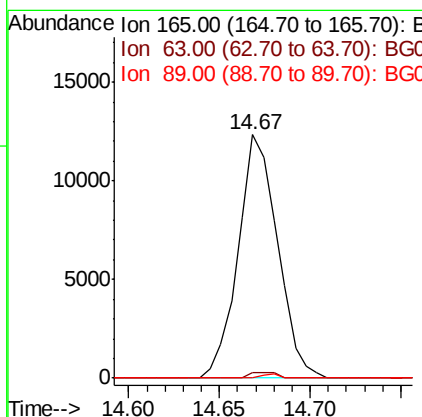
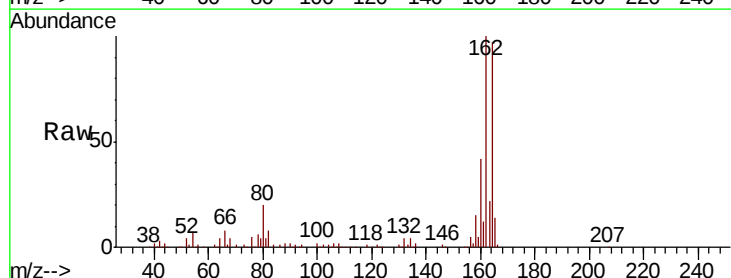
Instrument :
 BNA_G
 ClientSampleId :

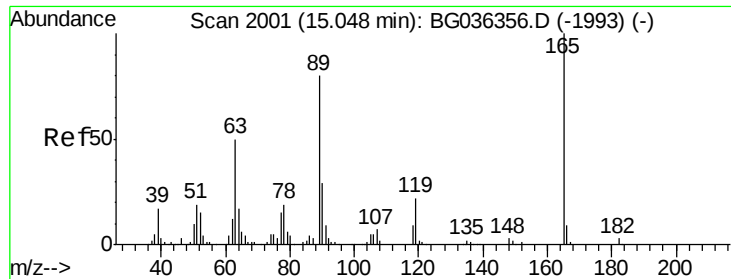
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	31.3	46.9
170	25.0	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.691 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.41 min
 Lab File: BG036793.D
 Acq: 18 Sep 2018 19:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	50.1	75.1#
89	0.0	47.8	71.6#

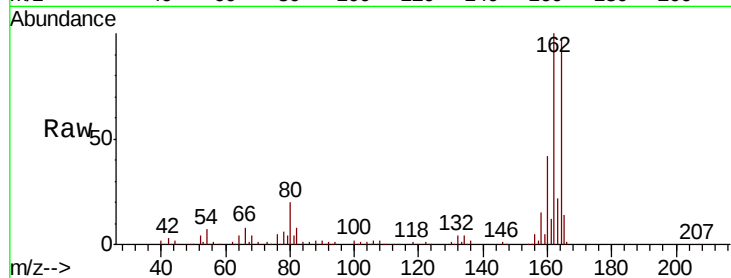




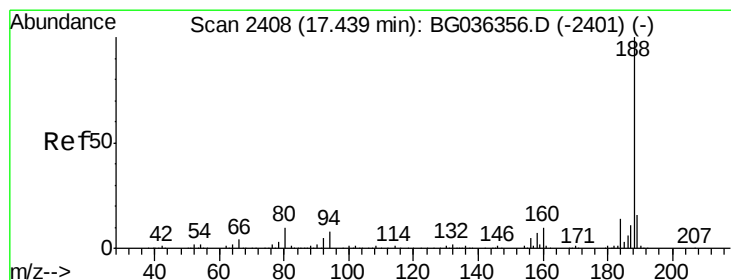
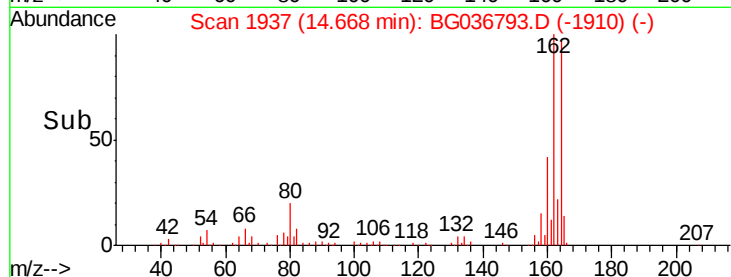
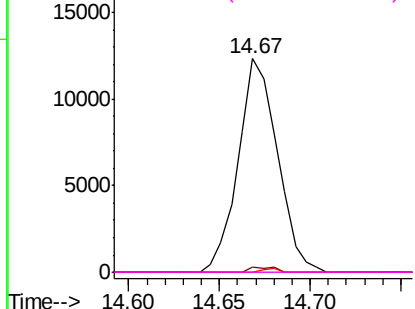
#56
 2,4-Dinitrotoluene
 Concen: 5.901 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.37 min
 Lab File: BG036793.D
 Acq: 18 Sep 2018 19:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	18623
Ion	Ratio	Lower	Upper
165	100		
63	2.2	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#

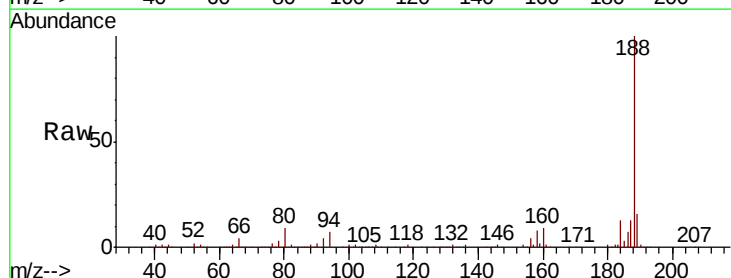


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

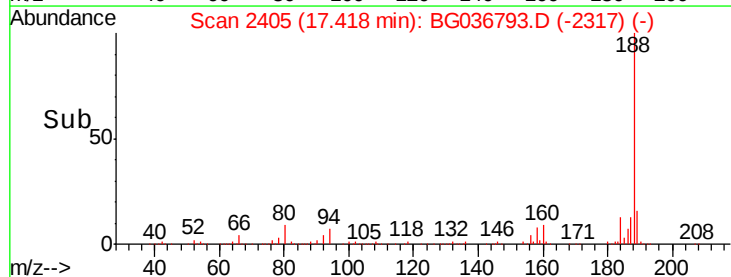
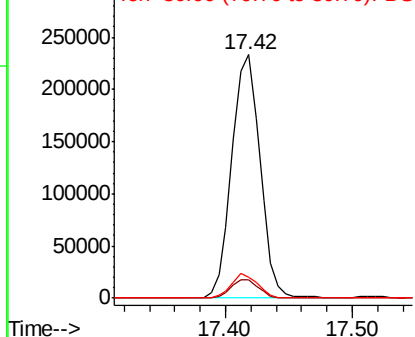


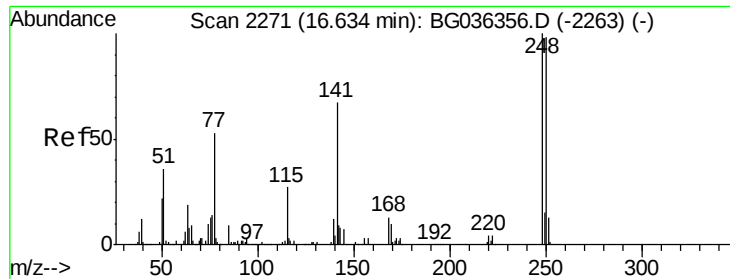
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.01 min
 Lab File: BG036793.D
 Acq: 18 Sep 2018 19:47

Tgt Ion:	188	Resp:	359913
Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.7	10.1
80	8.5	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

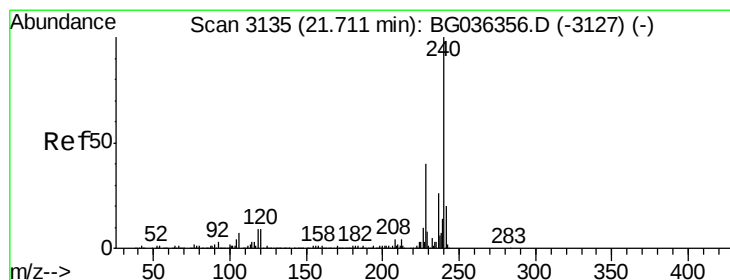
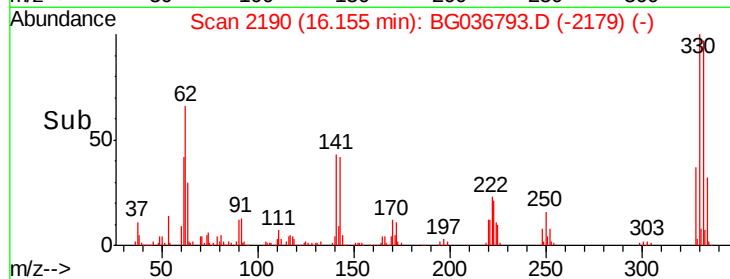
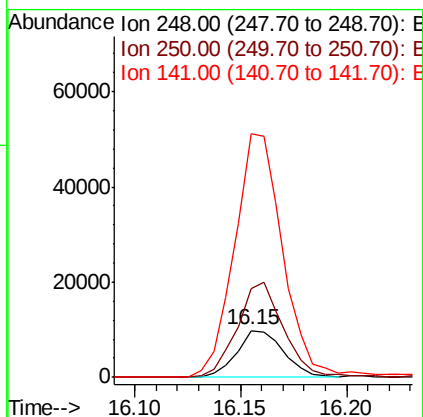
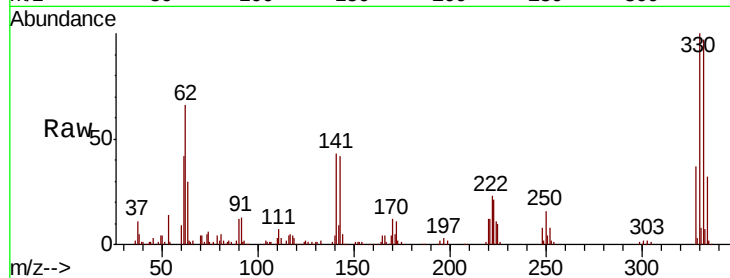




#66
 4-Bromophenyl-phenylether
 Concen: 3.609 ng
 RT: 16.15 min Scan# 2190
 Delta R.T. -0.46 min
 Lab File: BG036793.D
 Acq: 18 Sep 2018 19:47

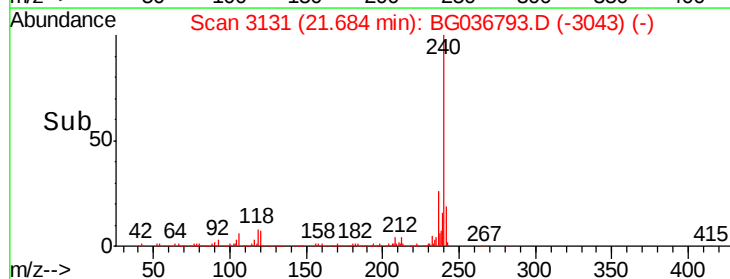
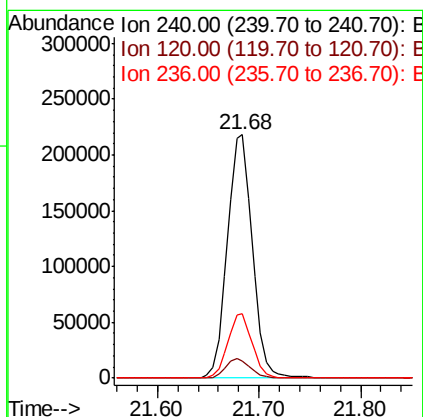
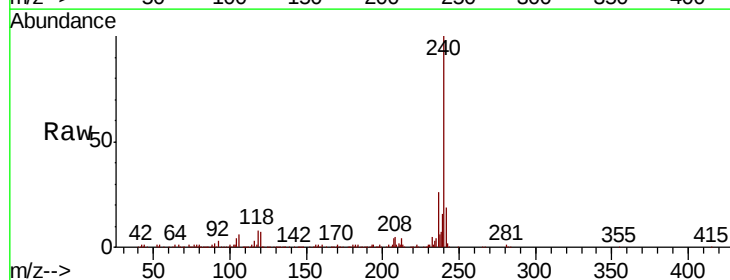
Instrument :
 BNA_G
 ClientSampleId :

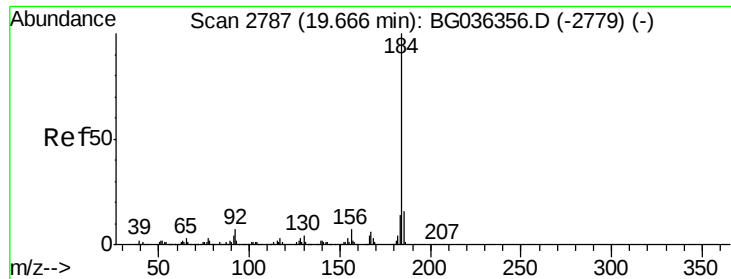
Tot Ion:248 Resp: 15209
 Ion Ratio Lower Upper
 248 100
 250 189.5 78.1 117.1#
 141 522.8 53.7 80.5#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BG036793.D
 Acq: 18 Sep 2018 19:47

Tgt Ion:240 Resp: 373478
 Ion Ratio Lower Upper
 240 100
 120 6.9 6.9 10.3#
 236 26.5 21.2 31.8

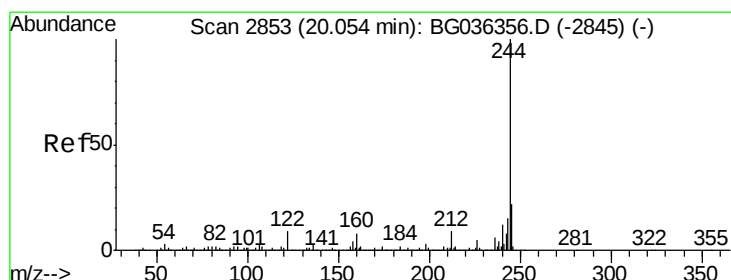
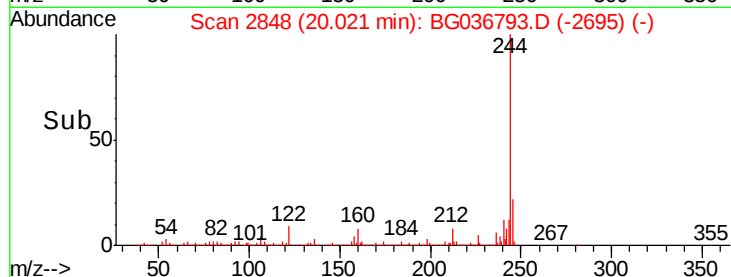
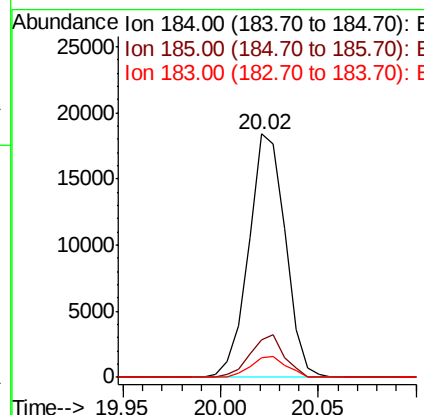
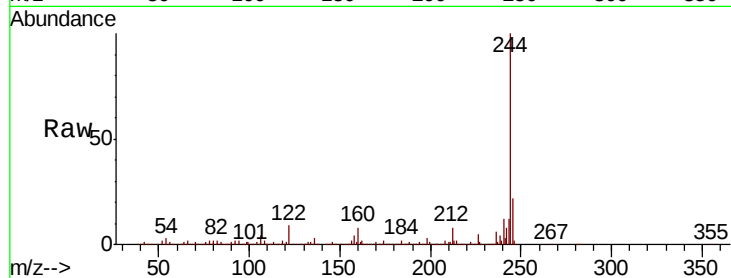




#76
Benzidine
Concen: 2.005 ng
RT: 20.02 min Scan# 2848
Delta R.T. 0.37 min
Lab File: BG036793.D
Acq: 18 Sep 2018 19:47

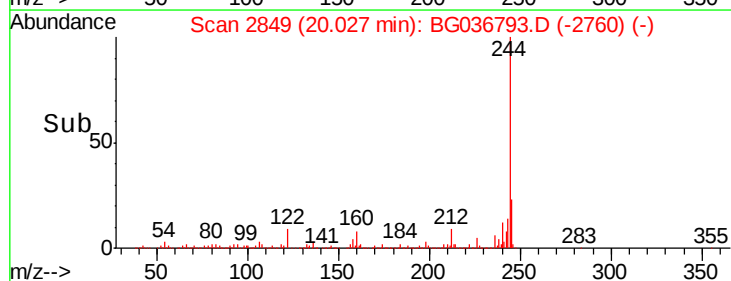
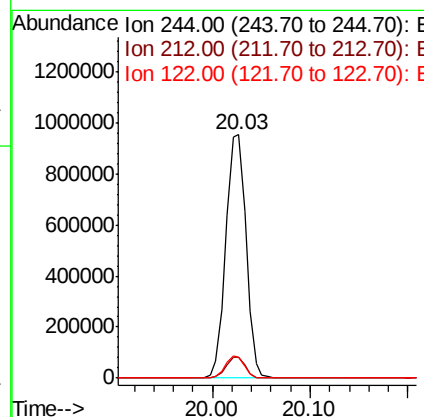
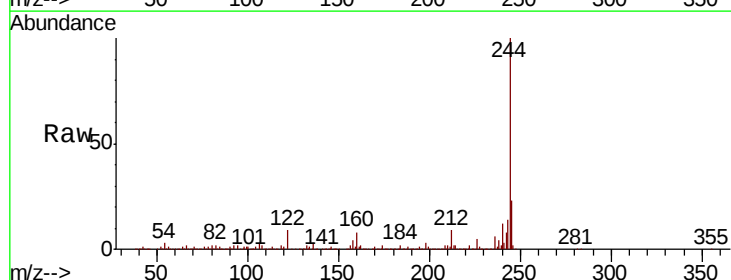
Instrument :
BNA_G
ClientSampleId :

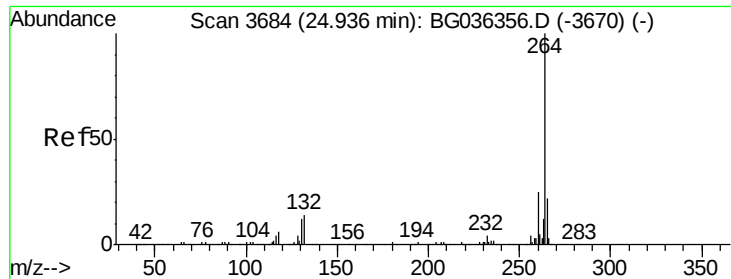
Tot Ion:184 Resp: 23888
Ion Ratio Lower Upper
184 100
185 15.4 12.6 18.8
183 8.0 10.9 16.3#



#78
Terphenyl-d14
Concen: 86.016 ng
RT: 20.03 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG036793.D
Acq: 18 Sep 2018 19:47

Tgt Ion:244 Resp: 1374421
Ion Ratio Lower Upper
244 100
212 8.7 7.0 10.6
122 8.8 7.1 10.7





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3676
Delta R.T. -0.02 min
Lab File: BG036793.D
Acq: 18 Sep 2018 19:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.6	29.4
265	23.5	17.4	26.0

