

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082418\
 Data File : BG036390.D
 Acq On : 23 Aug 2018 23:26
 Operator : JU/SJ
 Sample : J4522-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 03:34:58 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

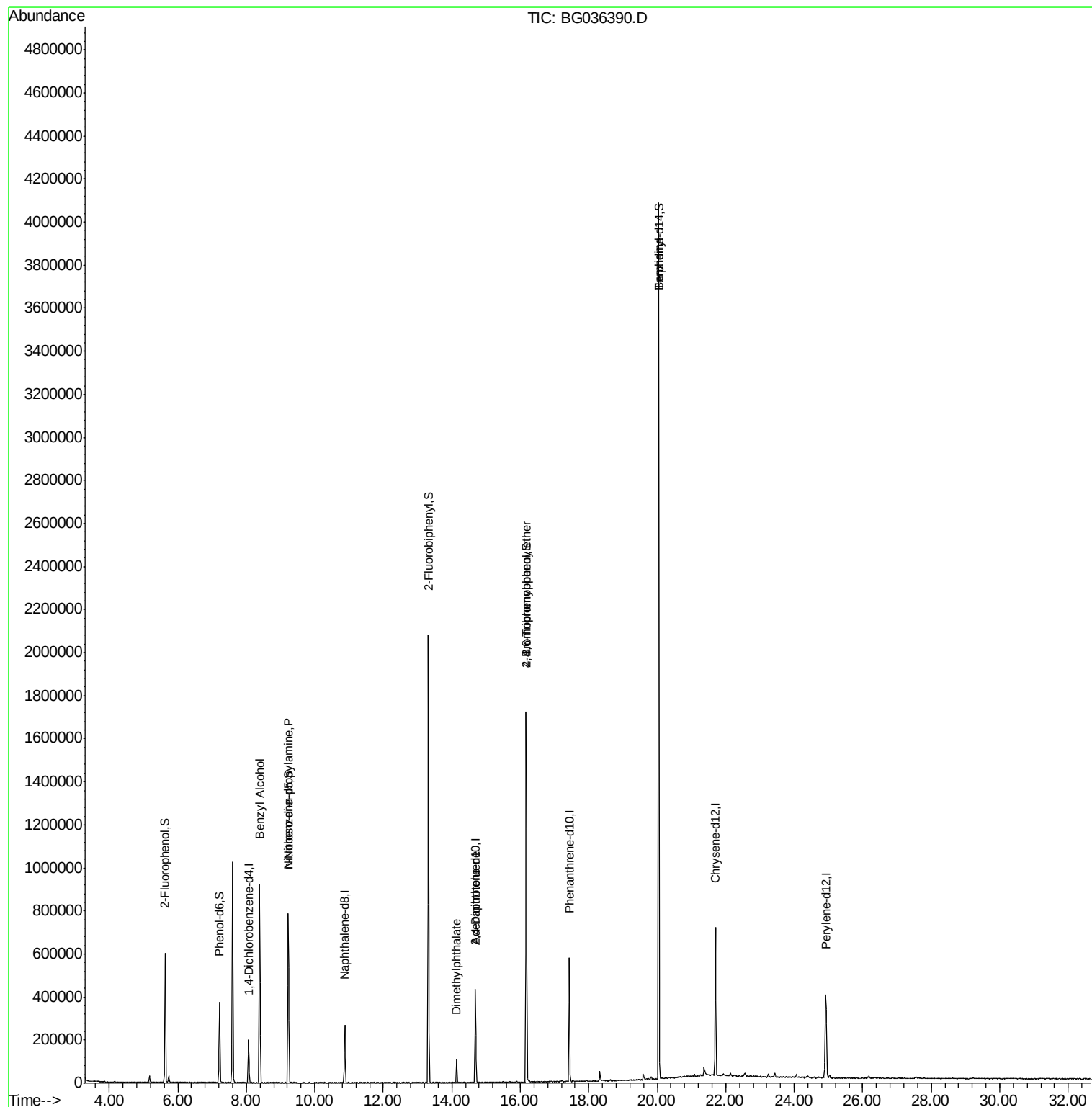
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	54632	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	227191	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	146706	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	368920	20.00	ng	0.00
75) Chrysene-d12	21.70	240	412609	20.00	ng	0.00
86) Perylene-d12	24.92	264	426289	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	250417	72.71	ng	0.00
7) Phenol-d6	7.22	99	217148	44.04	ng	0.00
23) Nitrobenzene-d5	9.23	82	471852	112.69	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	317844	181.57	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	1076313	104.75	ng	0.00
78) Terphenyl-d14	20.05	244	1766053	100.04	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.39	79	7979	2.007	ng	# 62
19) n-Nitroso-di-n-propylamine	9.23	70	64310	17.451	ng	# 69
49) Dimethylphthalate	14.14	163	69527	5.804	ng	# 97
56) 2,4-Dinitrotoluene	14.69	165	18561	5.777	ng	# 20
66) 4-Bromophenyl-phenylether	16.17	248	22548	5.220	ng	# 1
76) Benzidine	20.05	184	32737	2.487	ng	# 94

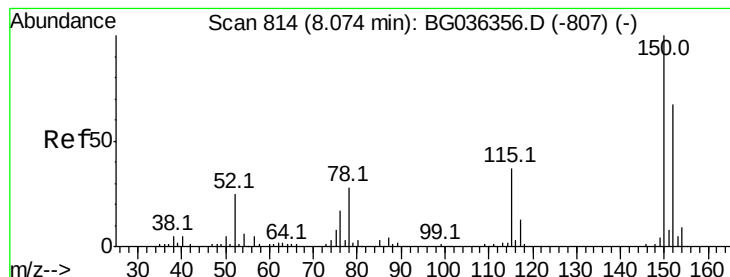
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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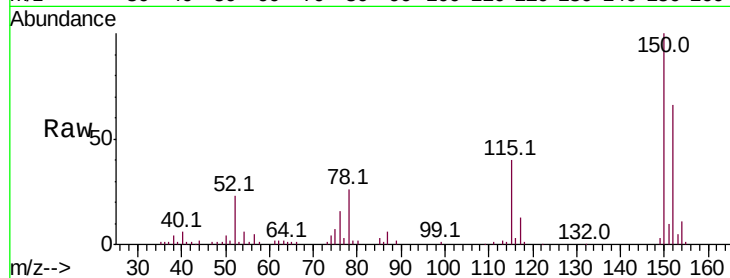


#1

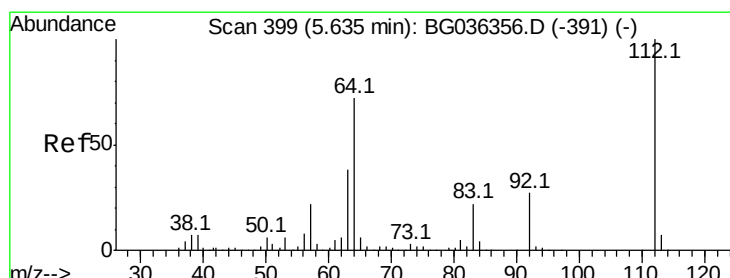
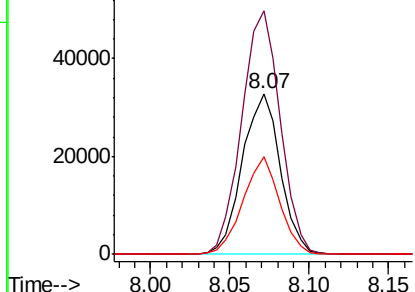
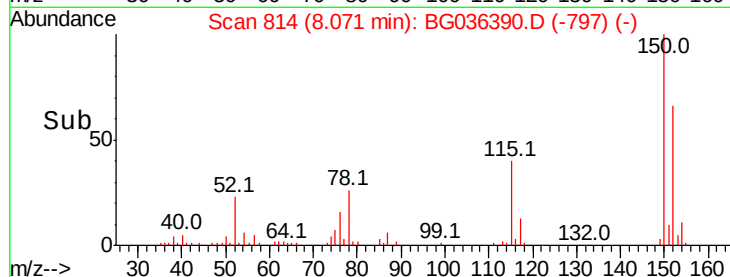
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG036390.D
Acq: 23 Aug 2018 23:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54632
Ion Ratio Lower Upper
152 100
150 151.3 119.5 179.3
115 60.6 44.5 66.7



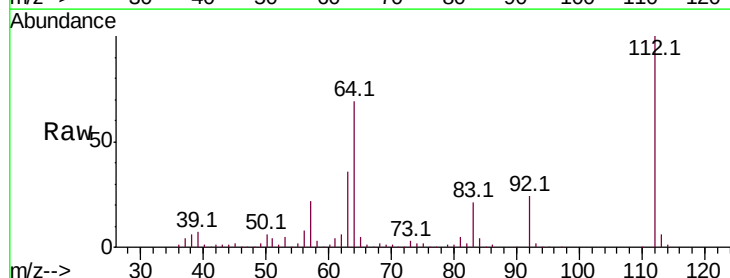
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



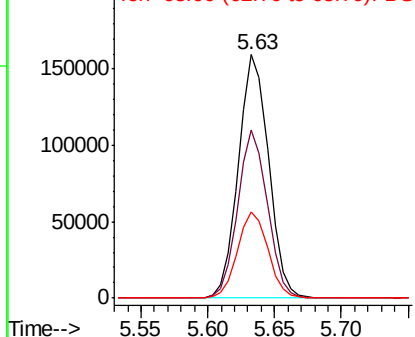
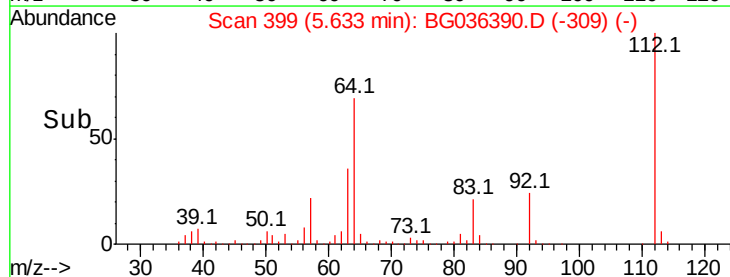
#5

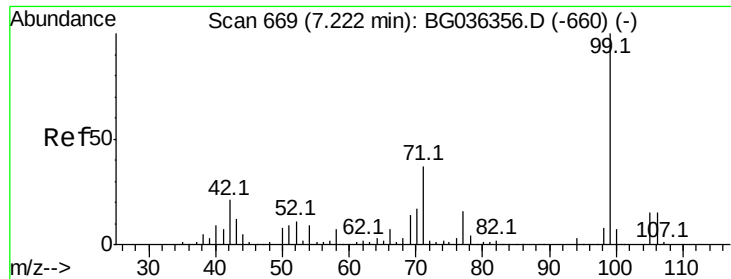
2-Fluorophenol
Concen: 72.711 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG036390.D
Acq: 23 Aug 2018 23:26

Tgt Ion:112 Resp: 250417
Ion Ratio Lower Upper
112 100
64 69.0 57.2 85.8
63 35.6 30.8 46.2



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: 44.038 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG036390.D

Acq: 23 Aug 2018 23:26

Instrument :

BNA_G

ClientSampleId :

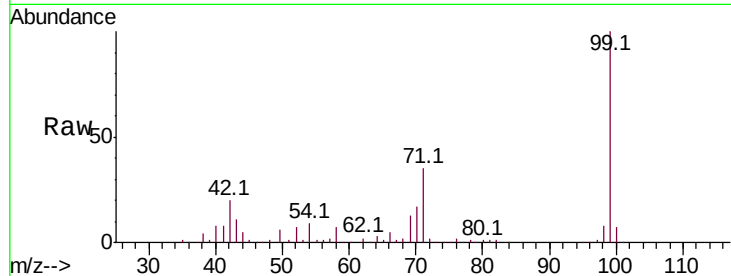
Tot Ion: 99 Resp: 217148

Ion Ratio Lower Upper

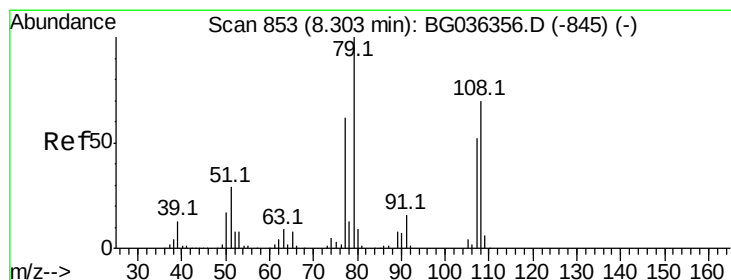
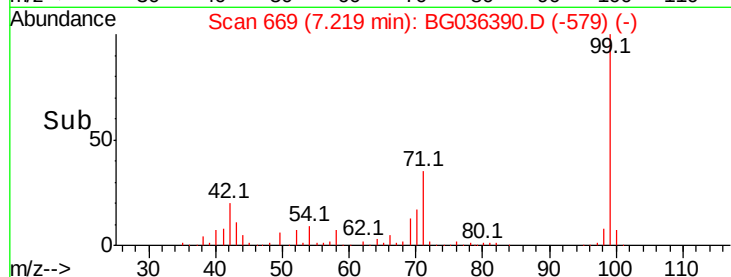
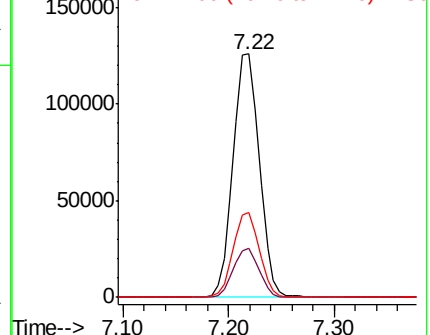
99 100

42 20.3 16.5 24.7

71 34.9 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



#15

Benzyl Alcohol

Concen: 2.007 ng

RT: 8.39 min Scan# 868

Delta R.T. 0.09 min

Lab File: BG036390.D

Acq: 23 Aug 2018 23:26

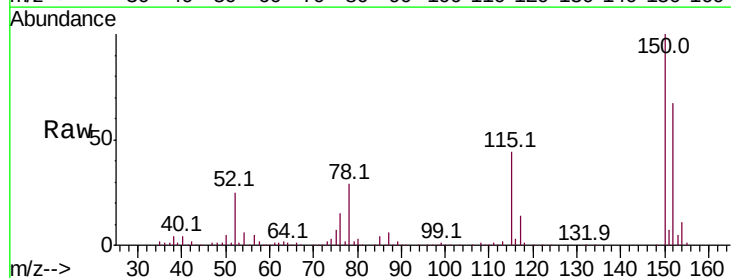
Tgt Ion: 79 Resp: 7979

Ion Ratio Lower Upper

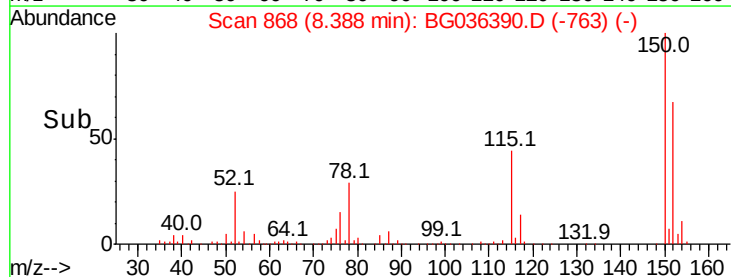
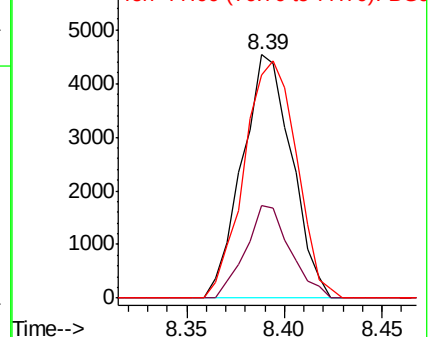
79 100

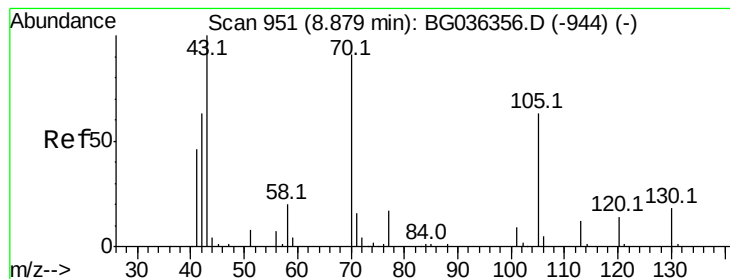
108 38.2 55.9 83.9#

77 91.4 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 17.451 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036390.D

Acq: 23 Aug 2018 23:26

Instrument :

BNA_G

ClientSampled :

Tot Ion: 70 Resp: 64310

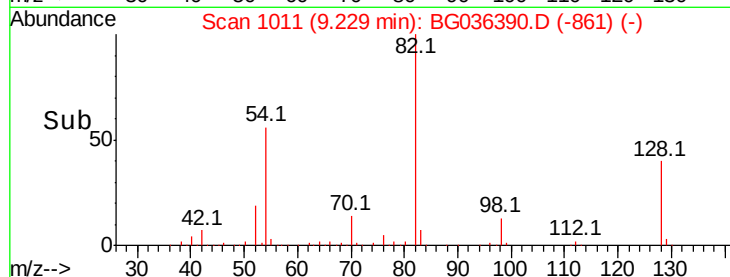
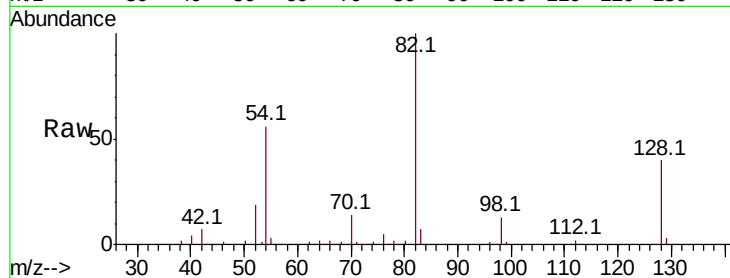
Ion Ratio Lower Upper

70 100

42 47.0 56.2 84.4#

101 0.0 7.8 11.6#

130 1.7 16.2 24.2#

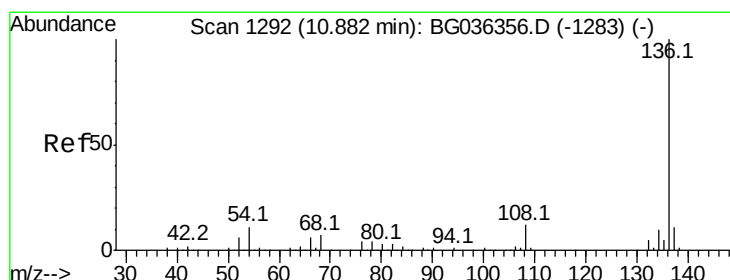
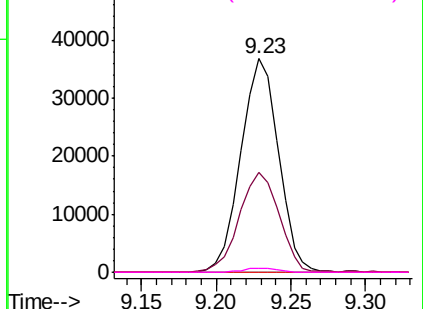


Abundance Ion 70.00 (69.70 to 70.70): BGC

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# 1291

Delta R.T. -0.01 min

Lab File: BG036390.D

Acq: 23 Aug 2018 23:26

Tgt Ion:136 Resp: 227191

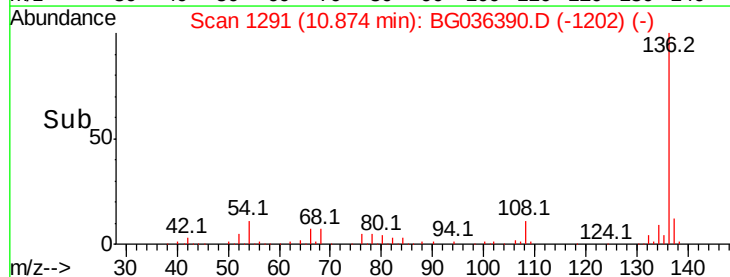
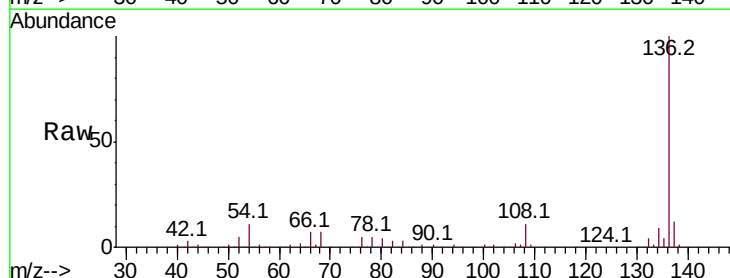
Ion Ratio Lower Upper

136 100

137 11.8 8.8 13.2

54 10.7 9.2 13.8

68 7.3 5.8 8.6

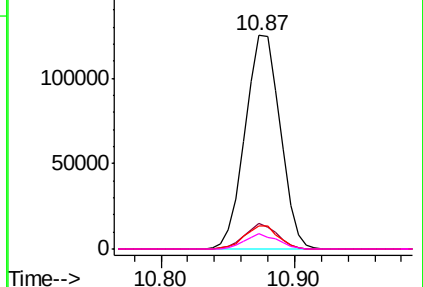


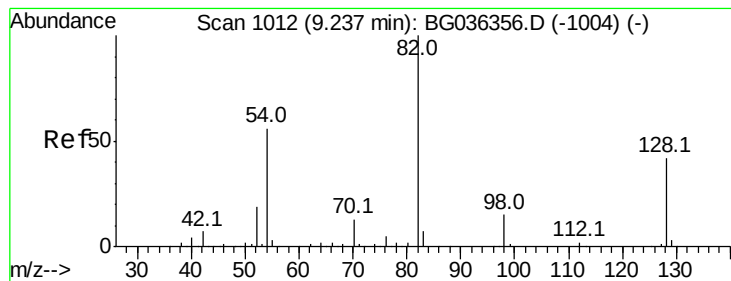
Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 112.686 ng

RT: 9.23 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BG036390.D

Acq: 23 Aug 2018 23:26

Instrument :

BNA_G

ClientSampled :

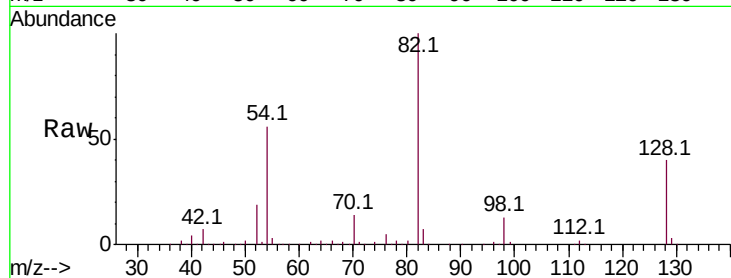
Tot Ion: 82 Resp: 471852

Ion Ratio Lower Upper

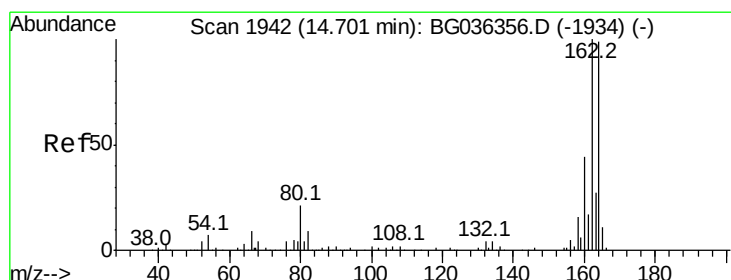
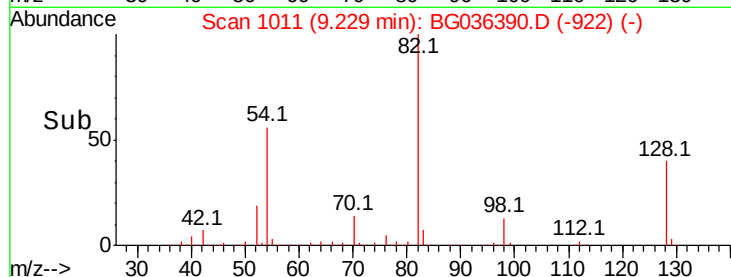
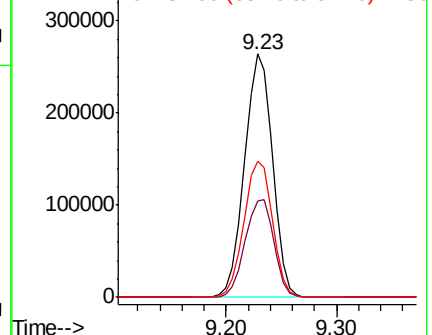
82 100

128 39.7 33.3 49.9

54 56.0 45.1 67.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1941

Delta R.T. -0.01 min

Lab File: BG036390.D

Acq: 23 Aug 2018 23:26

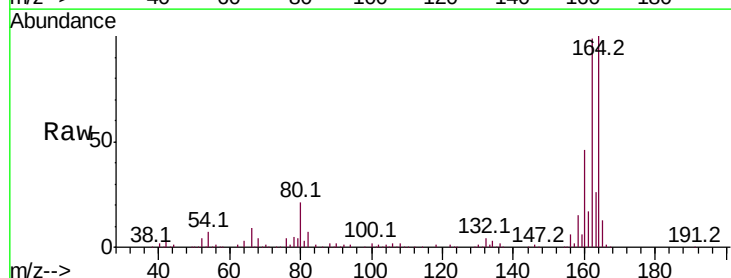
Tgt Ion:164 Resp: 146706

Ion Ratio Lower Upper

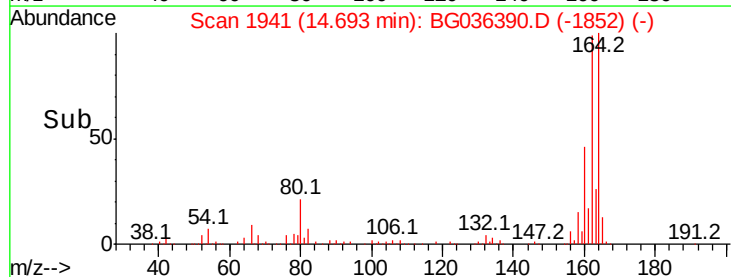
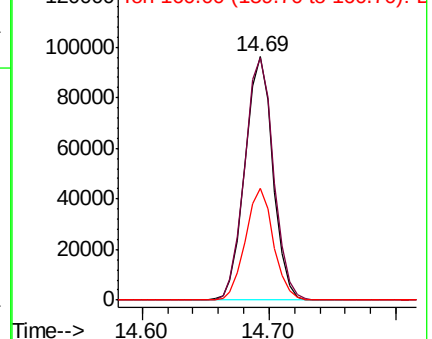
164 100

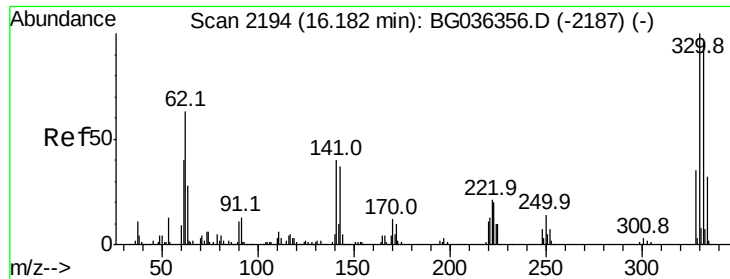
162 99.3 80.7 121.1

160 45.7 35.3 52.9



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

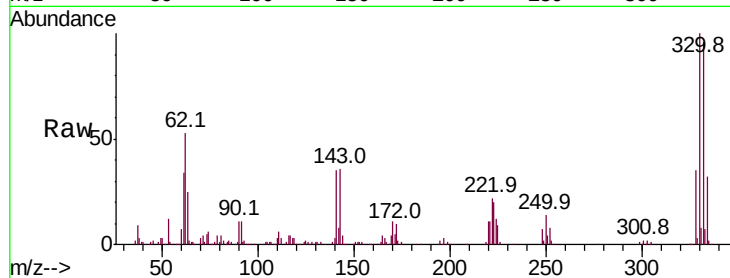




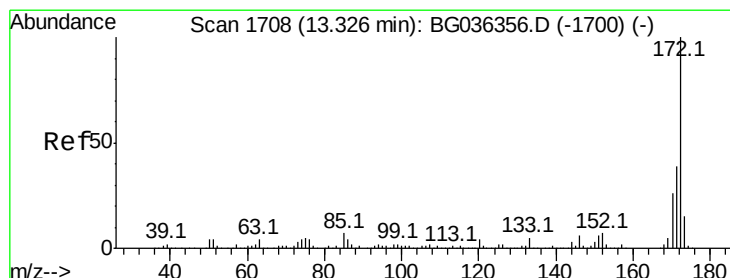
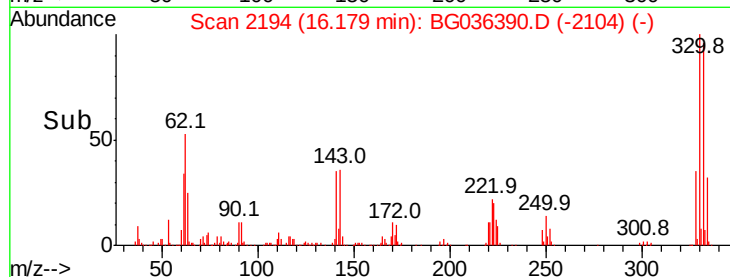
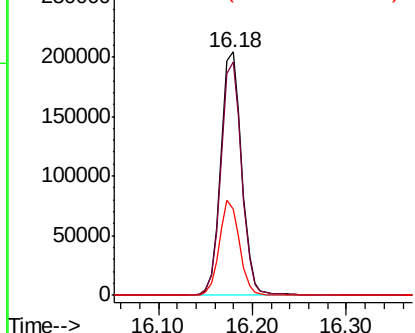
#41
 2,4,6-Tribromophenol
 Concen: 181.570 ng
 RT: 16.18 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BG036390.D
 Acq: 23 Aug 2018 23:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	75.4	113.2
141	37.4	30.7	46.1

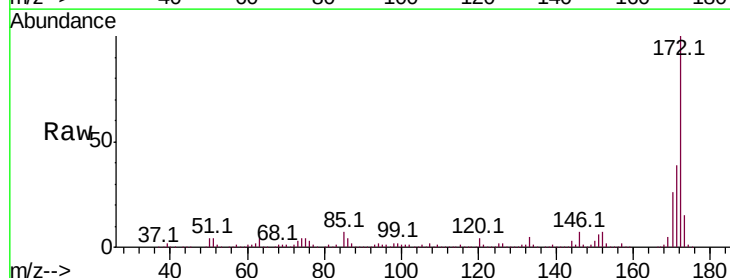


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

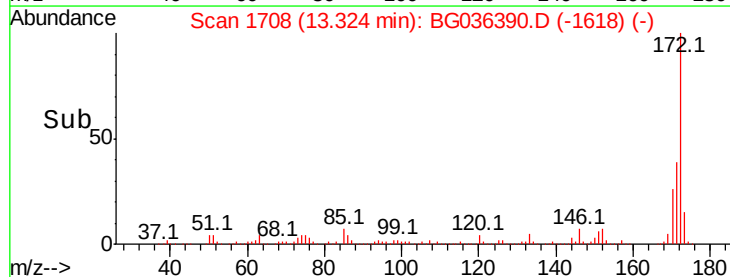
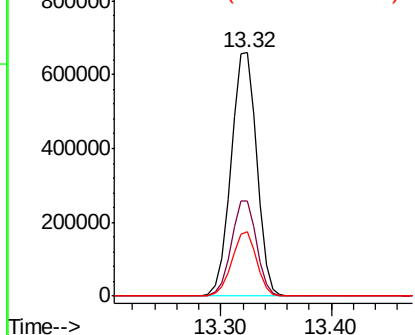


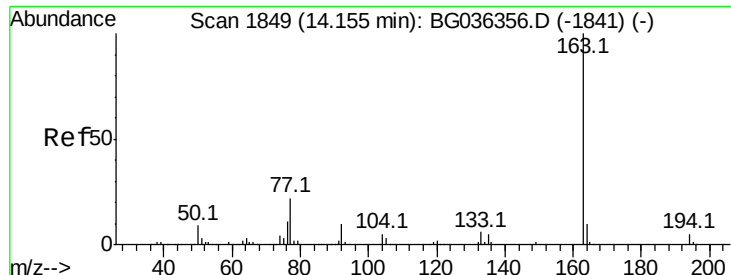
#44
 2-Fluorobiphenyl
 Concen: 104.752 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG036390.D
 Acq: 23 Aug 2018 23:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.9	31.3	46.9
170	26.5	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

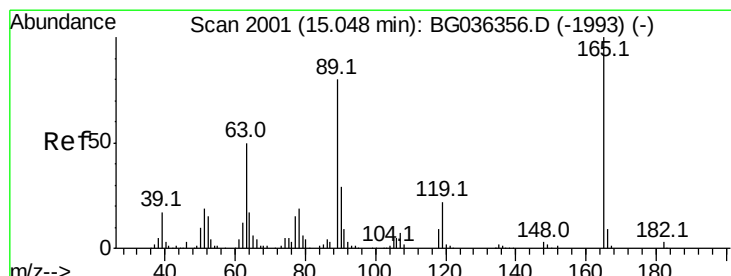
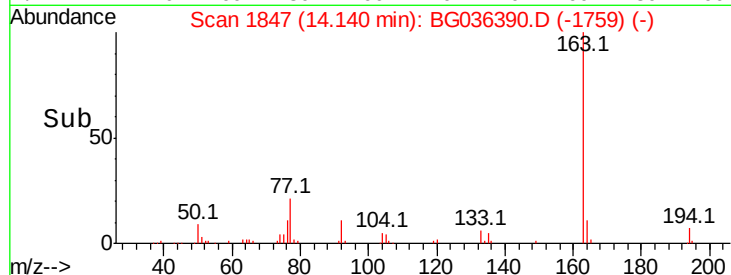
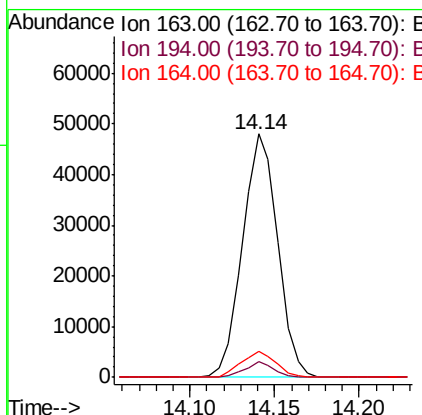
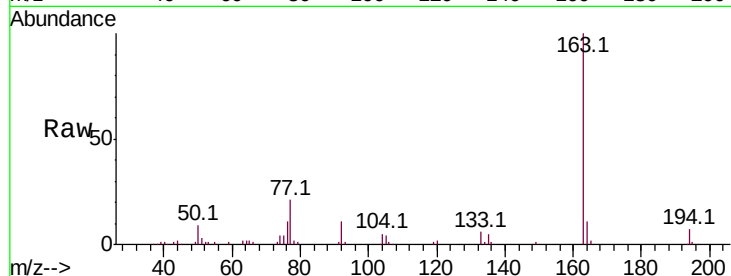




#49
Dimethylphthalate
Concen: 5.804 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BG036390.D
Acq: 23 Aug 2018 23:26

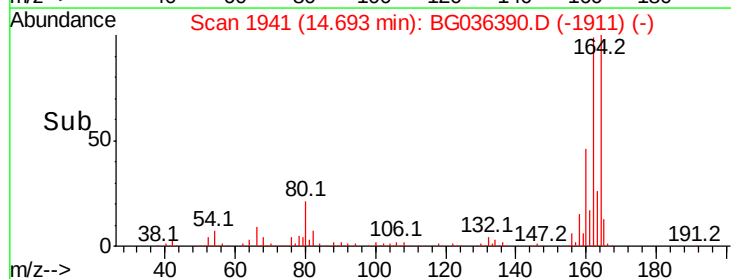
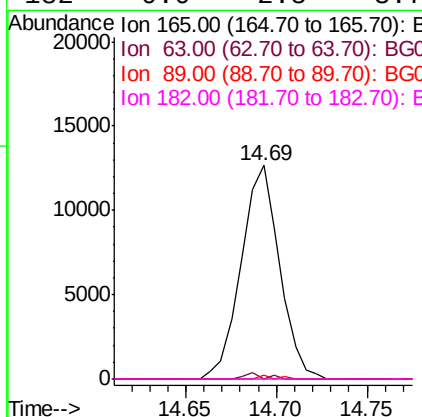
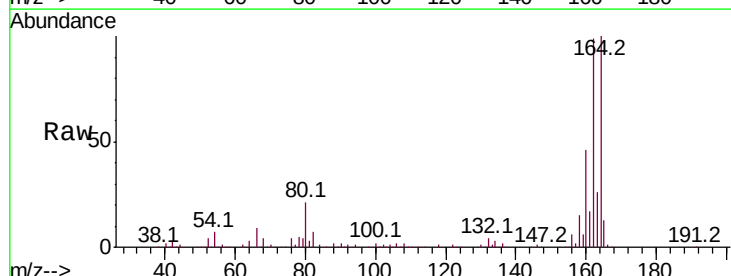
Instrument :
BNA_G
ClientSampleId :

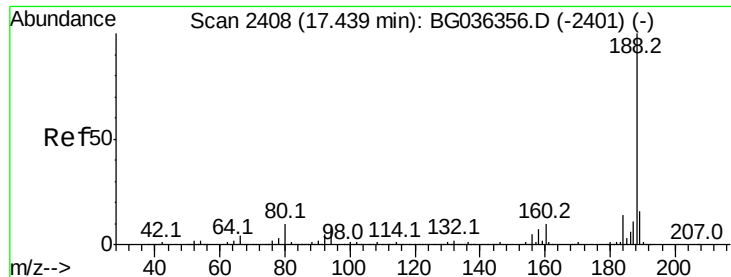
Tot Ion:163 Resp: 69527
Ion Ratio Lower Upper
163 100
194 6.7 4.0 6.0#
164 10.6 8.1 12.1



#56
2,4-Dinitrotoluene
Concen: 5.777 ng
RT: 14.69 min Scan# 1941
Delta R.T. -0.35 min
Lab File: BG036390.D
Acq: 23 Aug 2018 23:26

Tgt Ion:165 Resp: 18561
Ion Ratio Lower Upper
165 100
63 0.0 40.1 60.1#
89 2.1 63.7 95.5#
182 0.0 2.5 3.7#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2408

Delta R.T. -0.00 min

Lab File: BG036390.D

Acq: 23 Aug 2018 23:26

Instrument :

BNA_G

ClientSampleId :

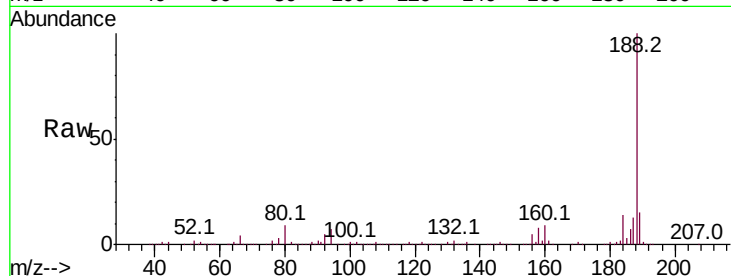
Tot Ion:188 Resp: 368920

Ion Ratio Lower Upper

188 100

94 7.2 6.7 10.1

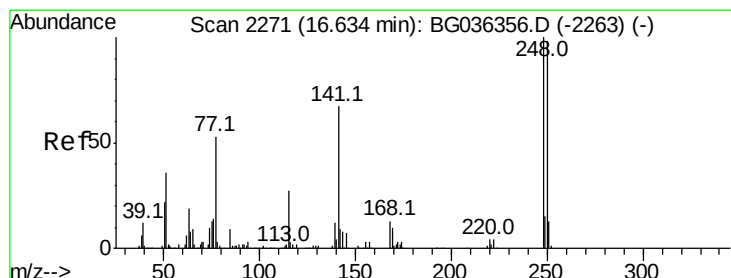
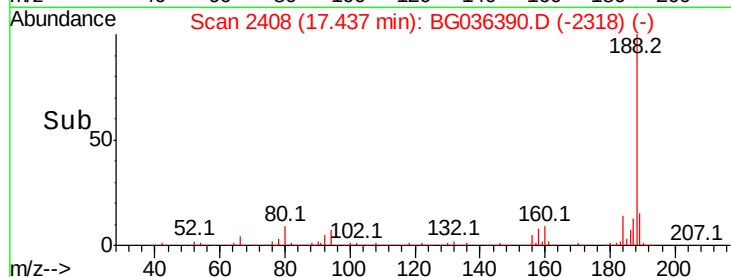
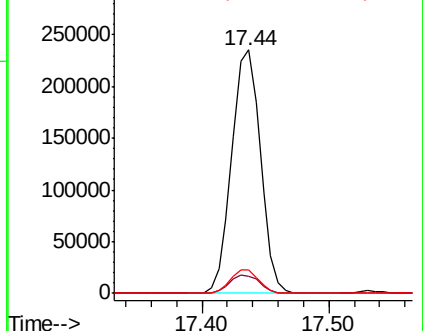
80 9.4 8.1 12.1



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: 5.220 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.46 min

Lab File: BG036390.D

Acq: 23 Aug 2018 23:26

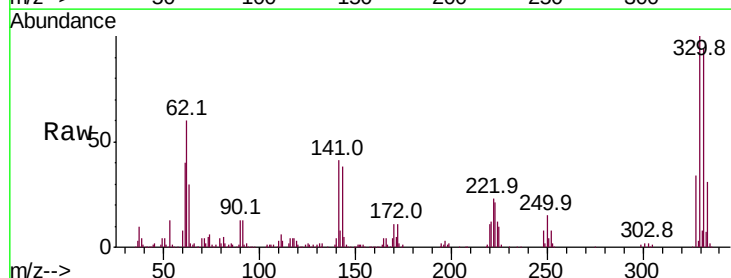
Tgt Ion:248 Resp: 22548

Ion Ratio Lower Upper

248 100

250 191.1 78.1 117.1#

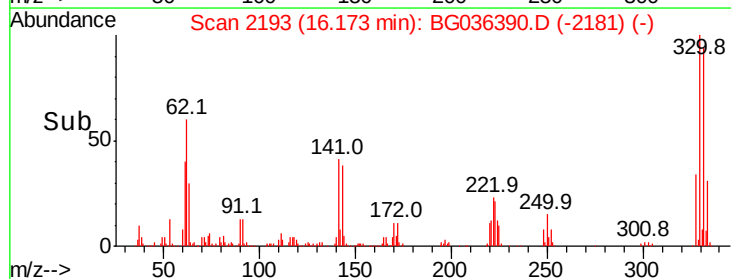
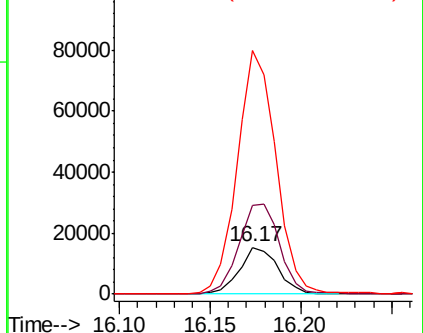
141 522.5 53.7 80.5#

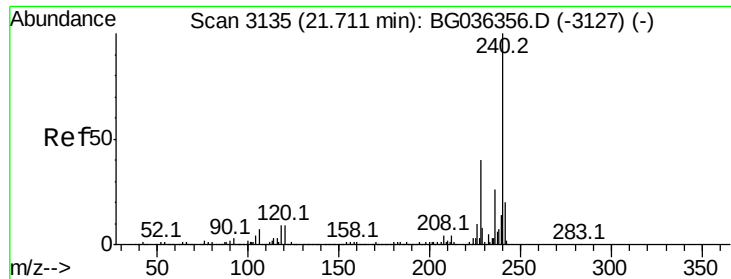


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.70 min Scan# 3134

Delta R.T. -0.01 min

Lab File: BG036390.D

Acq: 23 Aug 2018 23:26

Instrument :

BNA_G

ClientSampleId :

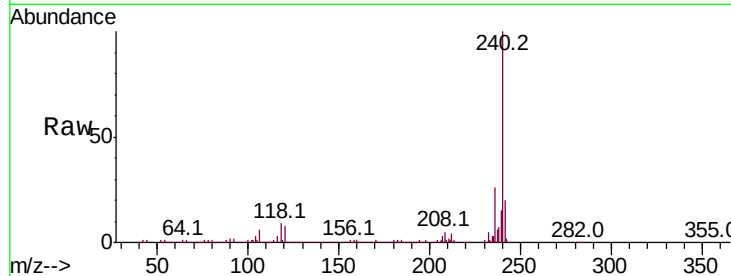
Tot Ion:240 Resp: 412609

Ion Ratio Lower Upper

240 100

120 8.4 6.9 10.3

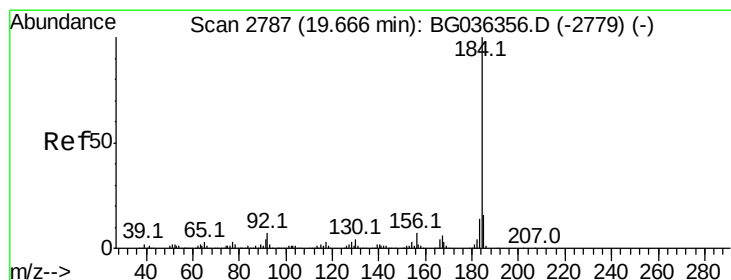
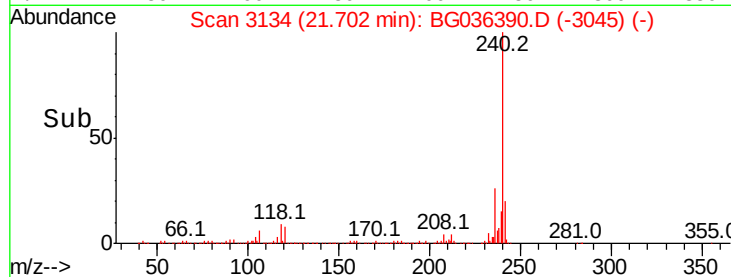
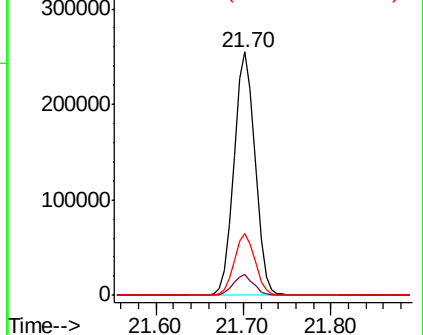
236 25.6 21.2 31.8



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: 2.487 ng

RT: 20.05 min Scan# 2852

Delta R.T. 0.38 min

Lab File: BG036390.D

Acq: 23 Aug 2018 23:26

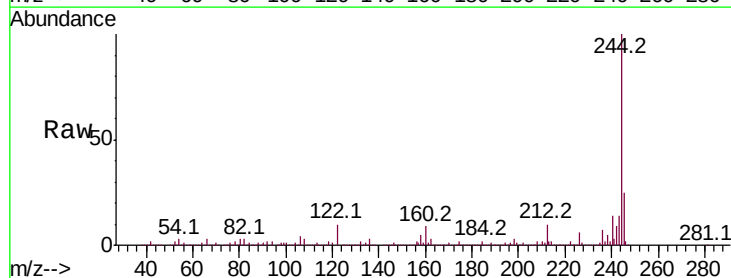
Tgt Ion:184 Resp: 32737

Ion Ratio Lower Upper

184 100

185 16.9 12.6 18.8

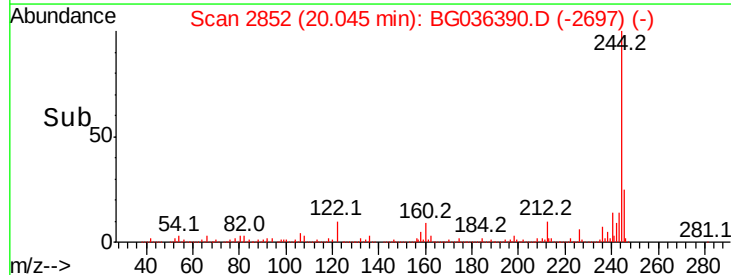
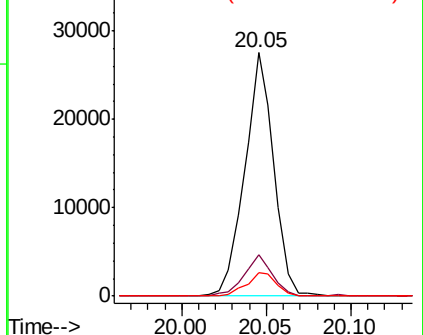
183 9.7 10.9 16.3#

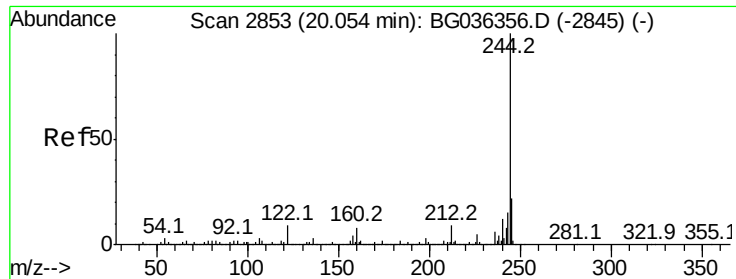


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 100.043 ng

RT: 20.05 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG036390.D

Acq: 23 Aug 2018 23:26

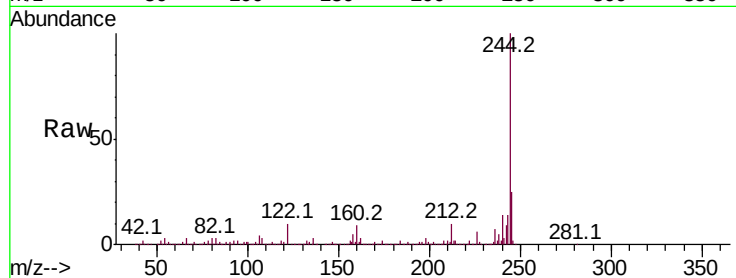
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1766053

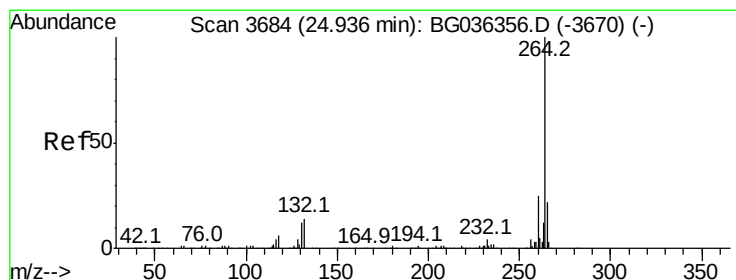
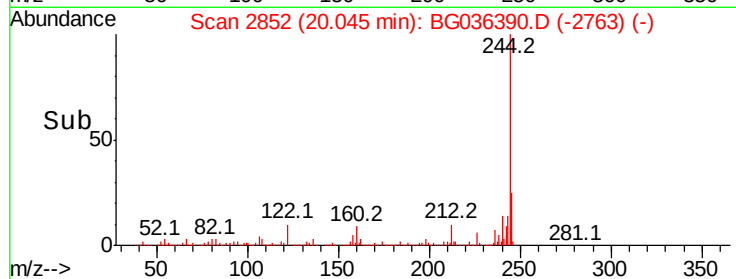
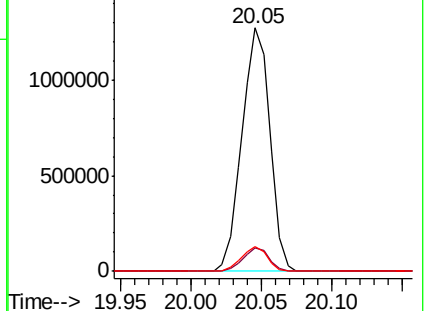
Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.0	10.6
122	10.1	7.1	10.7



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: 24.92 min Scan# 3682

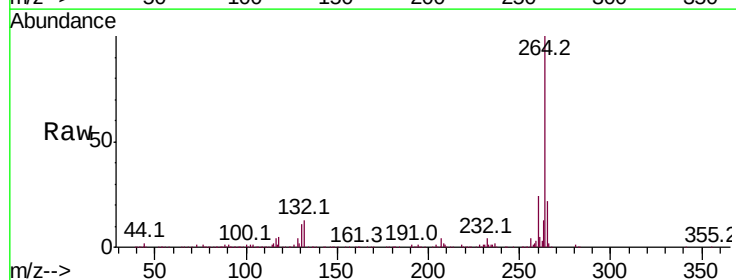
Delta R.T. -0.01 min

Lab File: BG036390.D

Acq: 23 Aug 2018 23:26

Tgt Ion:264 Resp: 426289

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	21.6	17.4	26.0



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

