

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071818\
 Data File : BG035739.D
 Acq On : 19 Jul 2018 5:37
 Operator : JU/SJ
 Sample : J4016-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 19 06:56:32 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

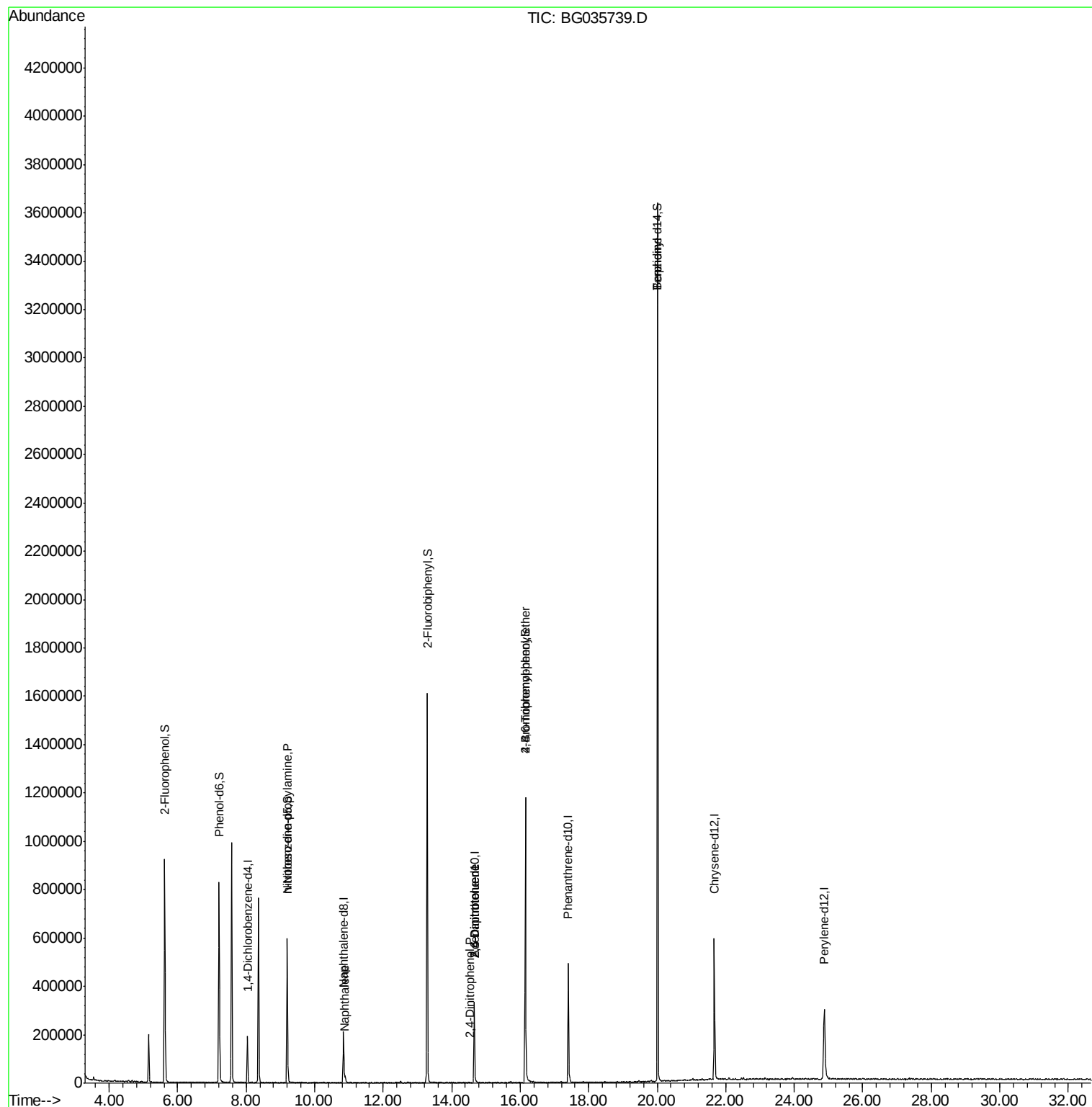
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	53007	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	185053	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	121744	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	339760	20.00	ng	0.00
75) Chrysene-d12	21.67	240	405748	20.00	ng	0.00
86) Perylene-d12	24.88	264	364933	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	403354	126.33	ng	0.00
7) Phenol-d6	7.21	99	502616	105.51	ng	0.00
23) Nitrobenzene-d5	9.20	82	409131	92.36	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	225419	140.48	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	879823	96.82	ng	0.00
78) Terphenyl-d14	20.01	244	1708566	92.82	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	56738	14.145	ng	# 67
31) Naphthalene	10.89	128	21940	2.276	ng	# 89
50) 2,6-Dinitrotoluene	14.66	165	17095	7.870	ng	# 22
53) 2,4-Dinitrophenol	14.54	184	62	6.633	ng	# 1
56) 2,4-Dinitrotoluene	14.66	165	17095	5.486	ng	# 19
66) 4-Bromophenyl-phenylether	16.15	248	18737	4.753	ng	# 1
76) Benzidine	20.01	184	30571	2.866	ng	# 90

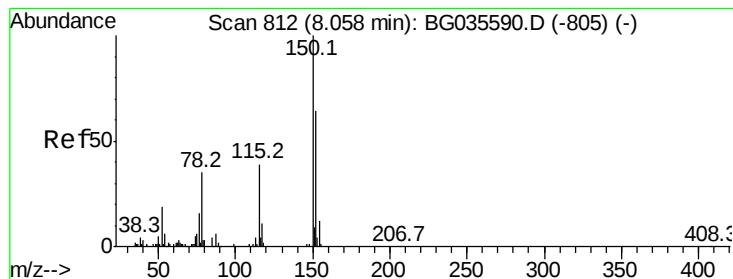
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



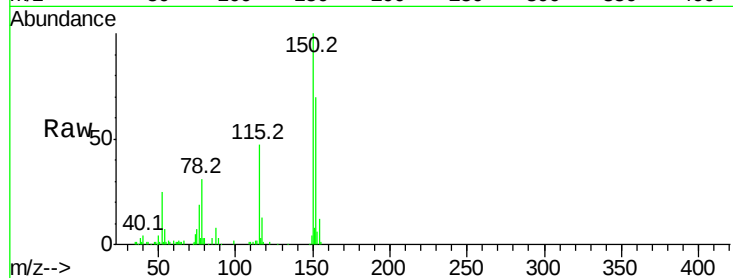


#1

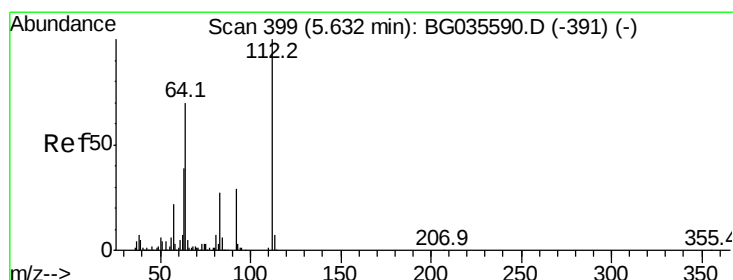
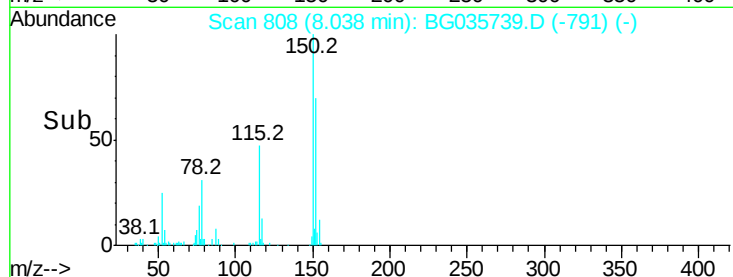
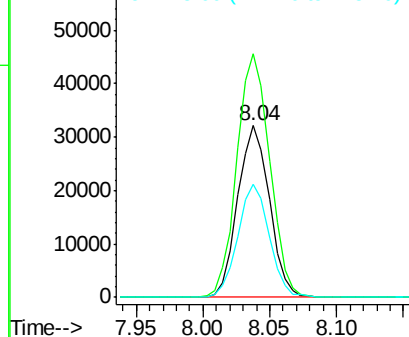
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BG035739.D
 Acq: 19 Jul 2018 5:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.9	126.6	189.8
115	66.1	53.0	79.4



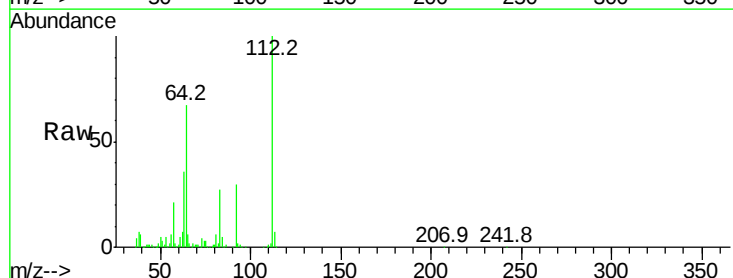
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



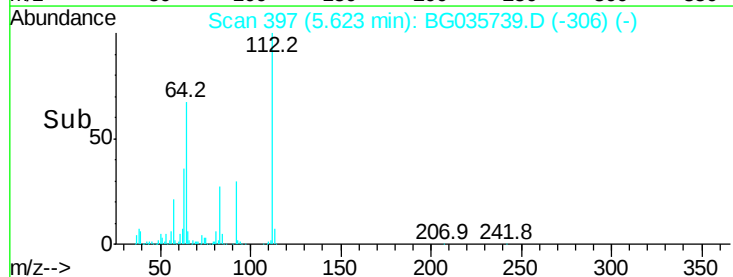
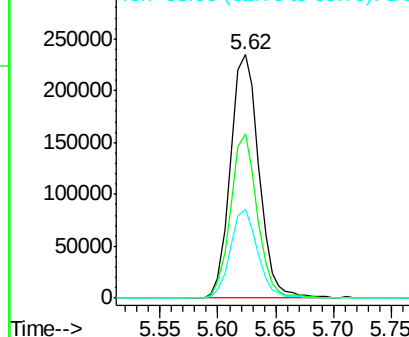
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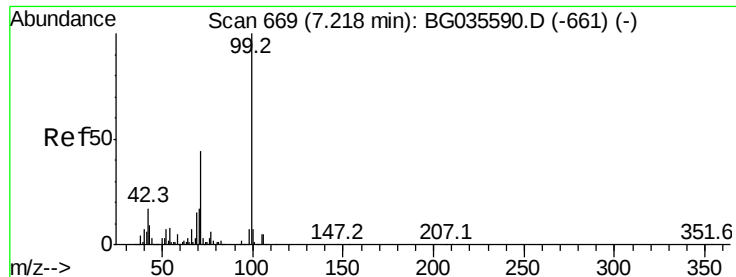
2-Fluorophenol
 Concen: 126.335 ng
 RT: 5.62 min Scan# 397
 Delta R.T. 0.00 min
 Lab File: BG035739.D
 Acq: 19 Jul 2018 5:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	56.3	84.5
63	36.3	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG0
 Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 105.513 ng

RT: 7.21 min Scan# 667

Delta R.T. 0.00 min

Lab File: BG035739.D

Acq: 19 Jul 2018 5:37

Instrument :

BNA_G

ClientSampleId :

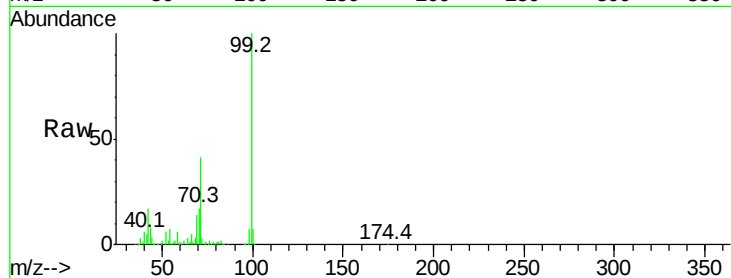
Tot Ion: 99 Resp: 502616

Ion Ratio Lower Upper

99 100

42 17.0 14.1 21.1

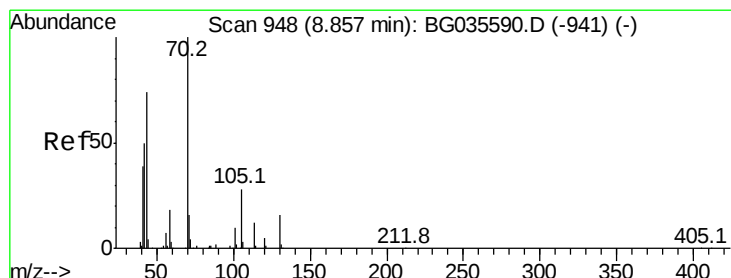
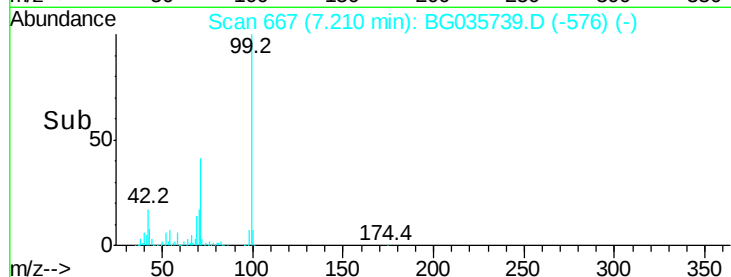
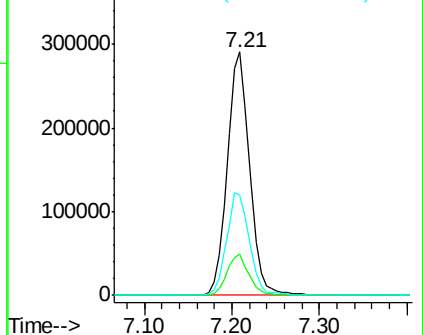
71 41.0 26.1 39.1#



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: 14.145 ng

RT: 9.20 min Scan# 1005

Delta R.T. 0.36 min

Lab File: BG035739.D

Acq: 19 Jul 2018 5:37

Tgt Ion: 70 Resp: 56738

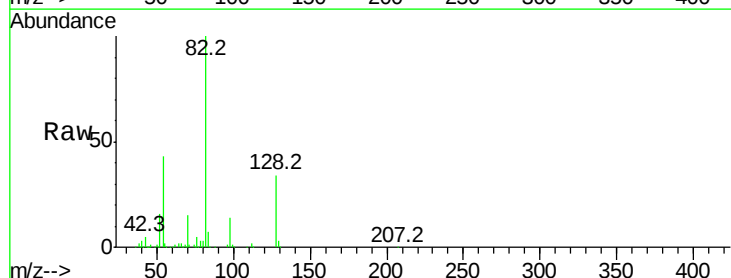
Ion Ratio Lower Upper

70 100

42 36.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.1 13.4 20.0#

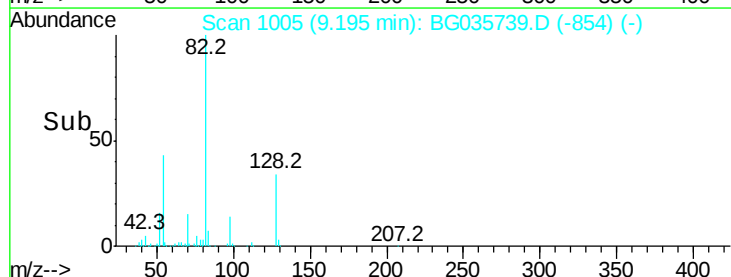
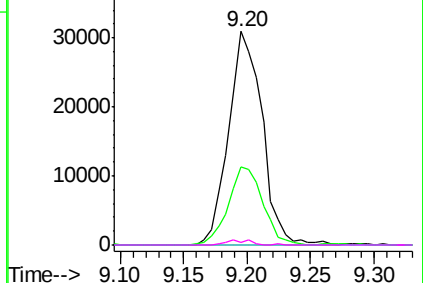


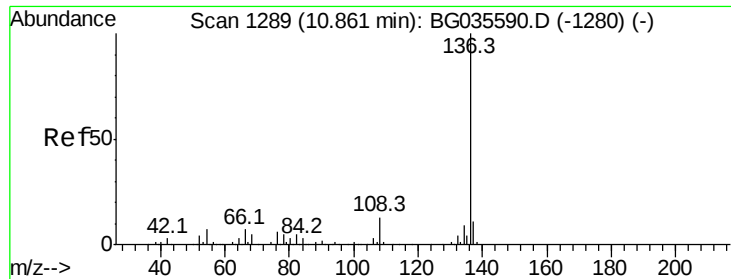
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

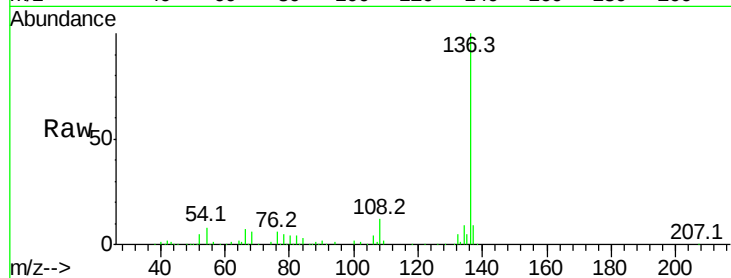




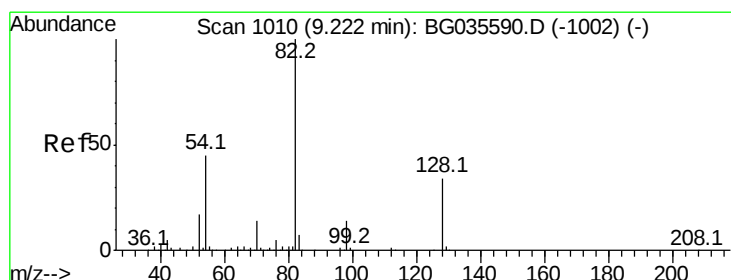
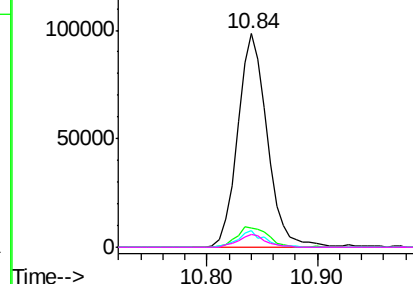
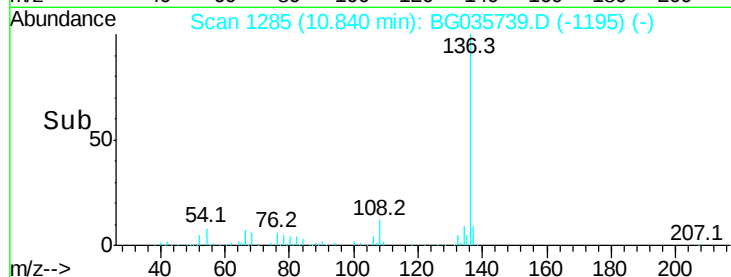
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.00 min
Lab File: BG035739.D
Acq: 19 Jul 2018 5:37

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp: 185053
Ion Ratio	Lower Upper
136 100	
137 9.2	9.2 13.8
54 7.5	10.3 15.5#
68 5.9	4.5 6.7

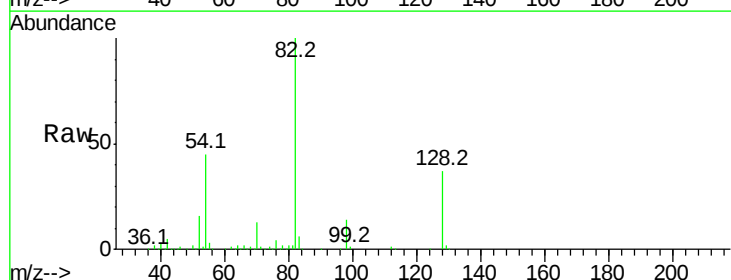


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

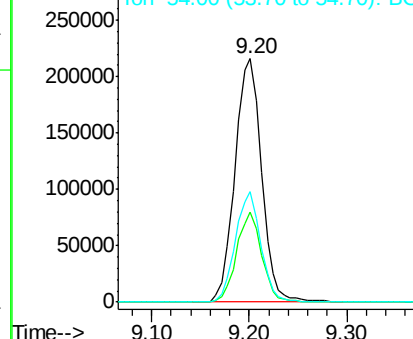
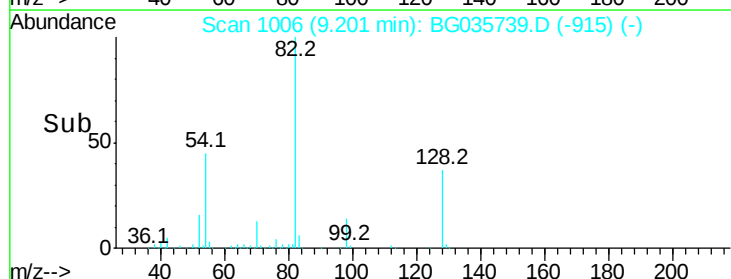


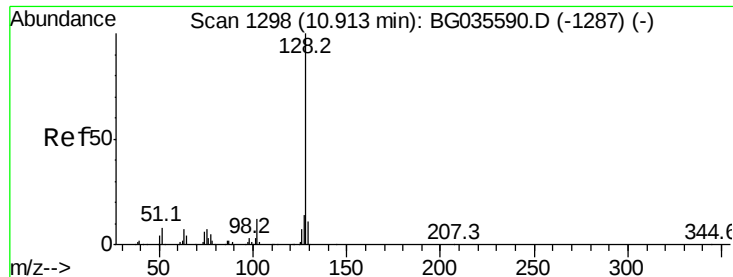
#23
Nitrobenzene-d5
Concen: 92.359 ng
RT: 9.20 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BG035739.D
Acq: 19 Jul 2018 5:37

Tgt Ion: 82	Resp: 409131
Ion Ratio	Lower Upper
82 100	
128 37.1	29.7 44.5
54 45.2	43.1 64.7



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

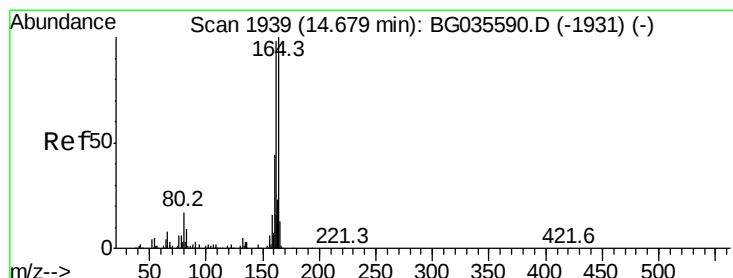
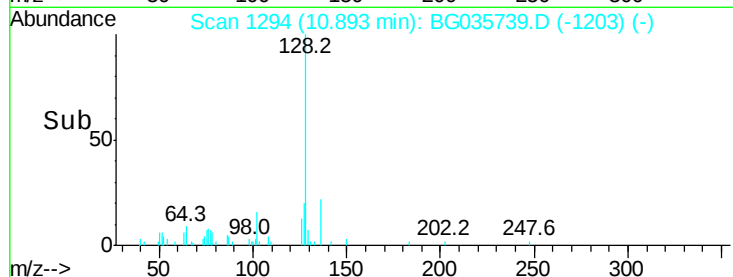
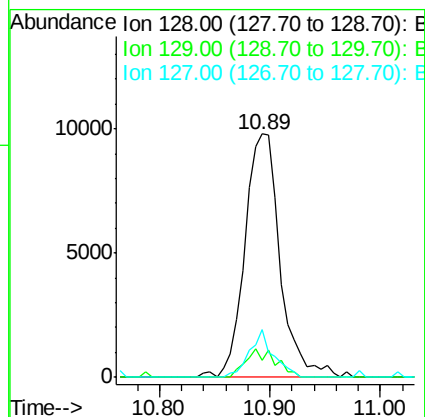
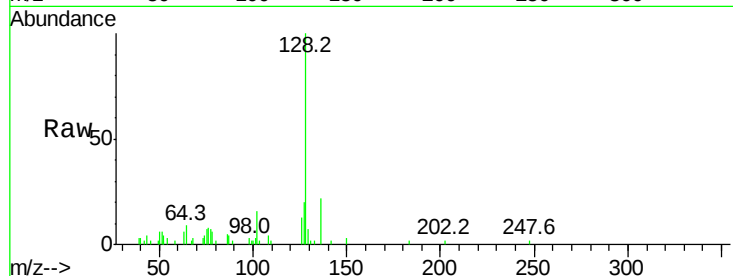




#31
Naphthalene
Concen: 2.276 ng
RT: 10.89 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BG035739.D
Acq: 19 Jul 2018 5:37

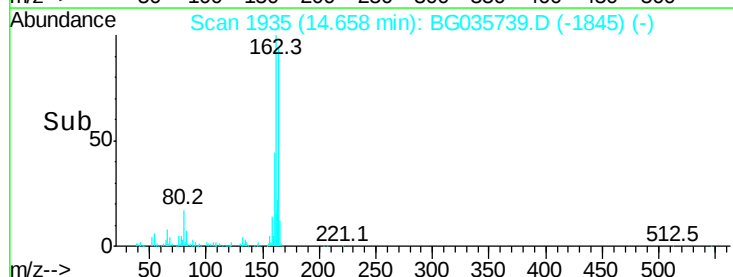
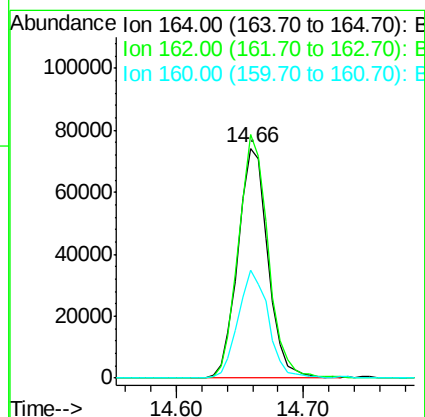
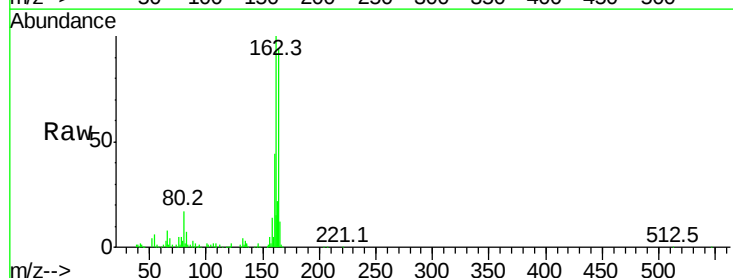
Instrument :
BNA_G
ClientSampleId :

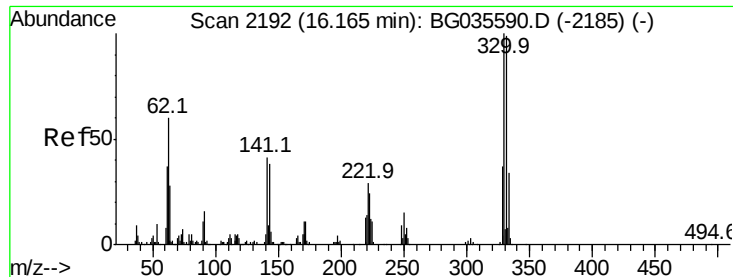
Tot Ion:128 Resp: 21940
Ion Ratio Lower Upper
128 100
129 7.2 8.6 12.8#
127 19.6 11.6 17.4#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1935
Delta R.T. -0.00 min
Lab File: BG035739.D
Acq: 19 Jul 2018 5:37

Tgt Ion:164 Resp: 121744
Ion Ratio Lower Upper
164 100
162 105.9 78.8 118.2
160 46.7 35.4 53.0

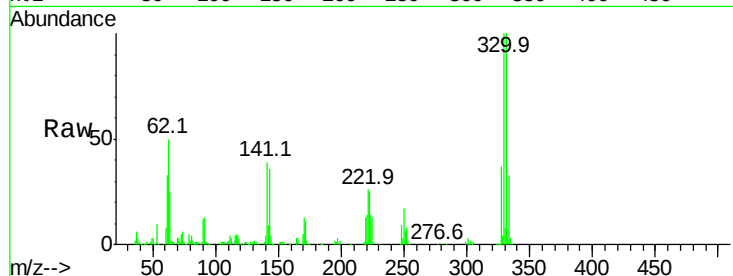




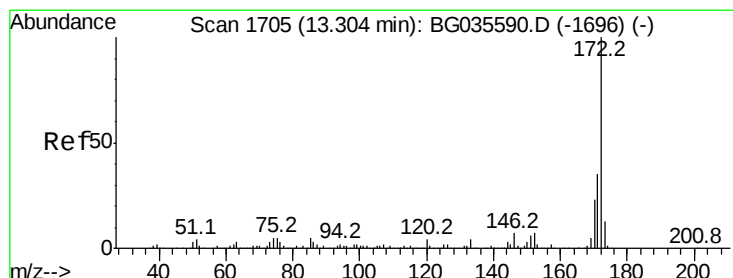
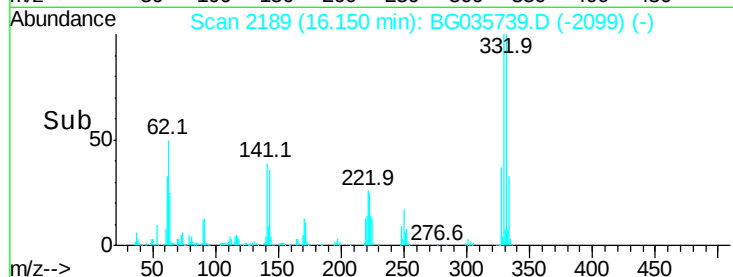
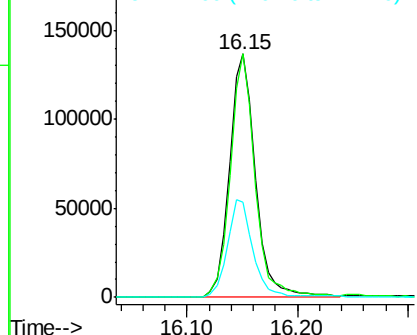
#41
 2,4,6-Tribromophenol
 Concen: 140.477 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.00 min
 Lab File: BG035739.D
 Acq: 19 Jul 2018 5:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	39.9	25.2	37.8#

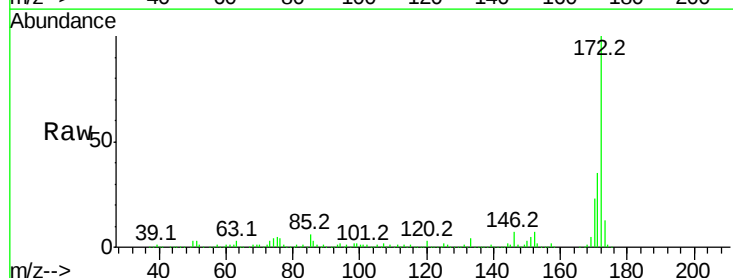


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

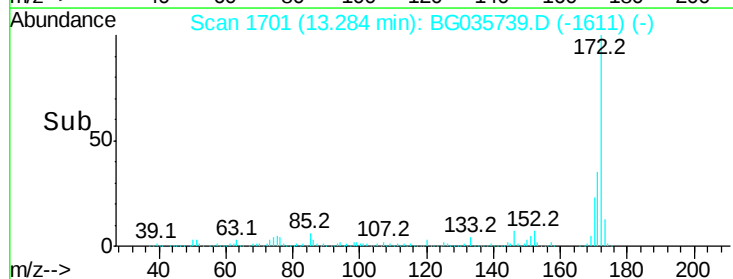
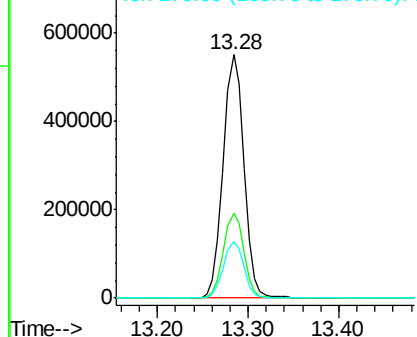


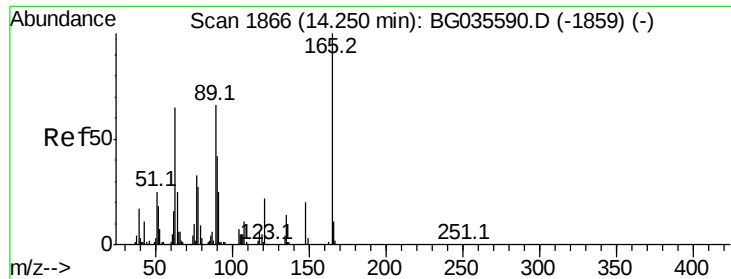
#44
 2-Fluorobiphenyl
 Concen: 96.821 ng
 RT: 13.28 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: BG035739.D
 Acq: 19 Jul 2018 5:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.0	45.0
170	23.2	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: 7.870 ng

RT: 14.66 min Scan# 1936

Delta R.T. 0.43 min

Lab File: BG035739.D

Acq: 19 Jul 2018 5:37

Instrument :

BNA_G

ClientSampleId :

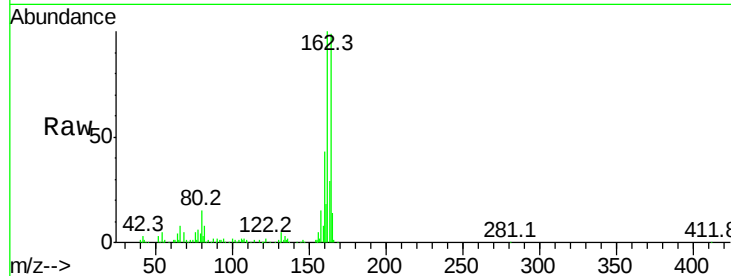
Tot Ion:165 Resp: 17095

Ion Ratio Lower Upper

165 100

63 3.5 52.7 79.1#

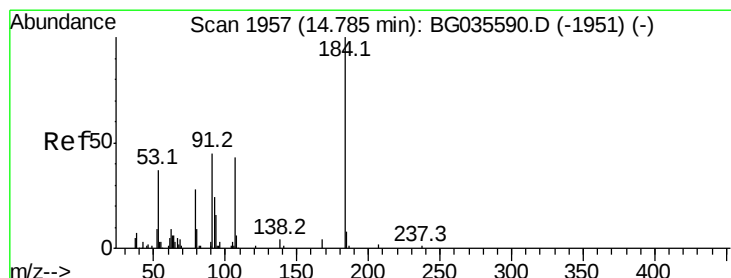
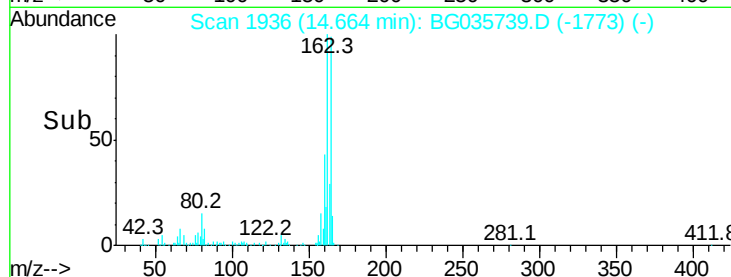
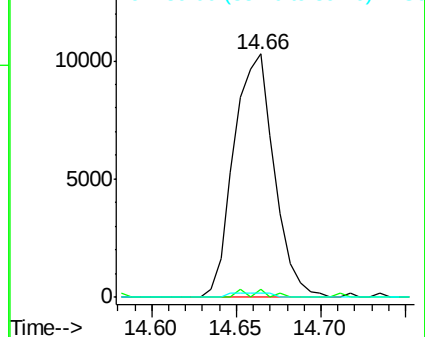
89 1.7 49.2 73.8#



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: 6.633 ng

RT: 14.54 min Scan# 1915

Delta R.T. -0.26 min

Lab File: BG035739.D

Acq: 19 Jul 2018 5:37

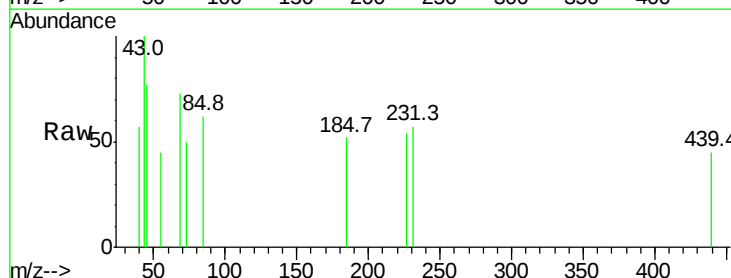
Tgt Ion:184 Resp: 62

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

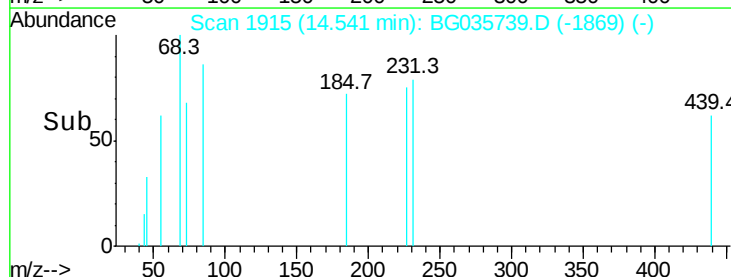
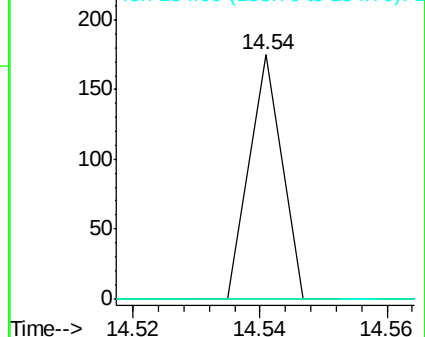
154 0.0 101.8 152.8#

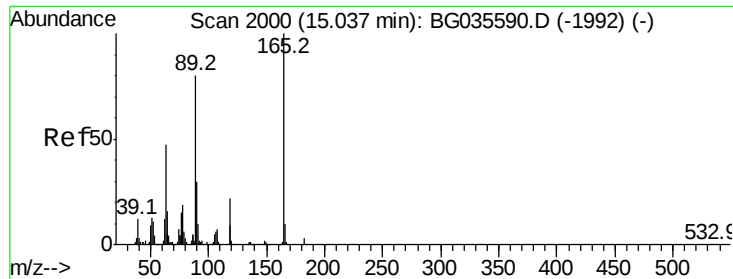


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

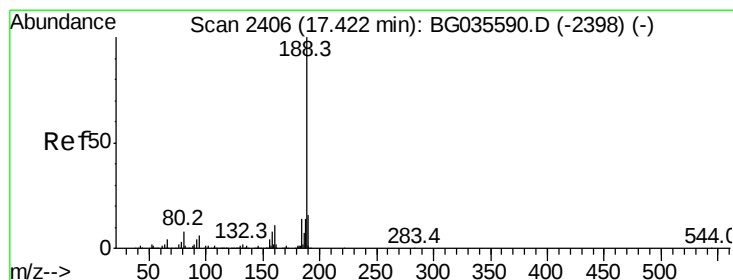
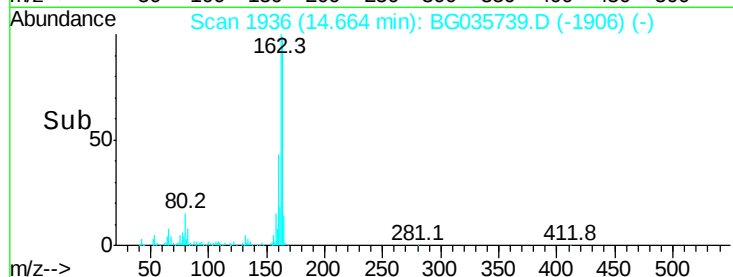
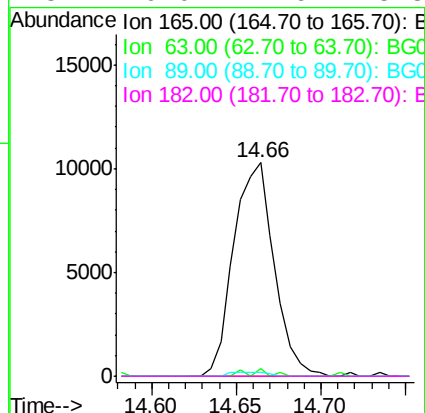
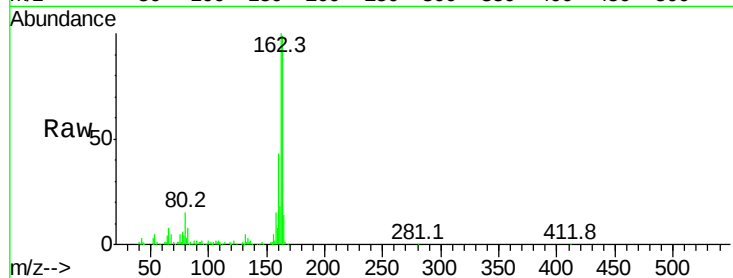




#56
2,4-Dinitrotoluene
Concen: 5.486 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.36 min
Lab File: BG035739.D
Acq: 19 Jul 2018 5:37

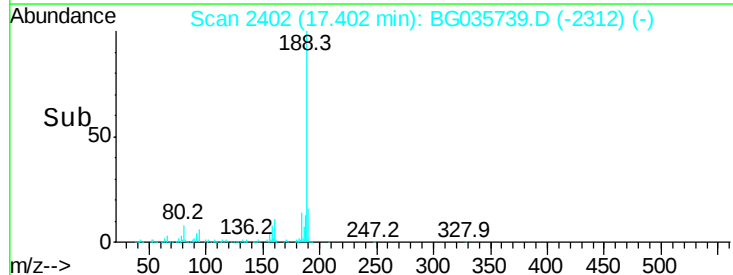
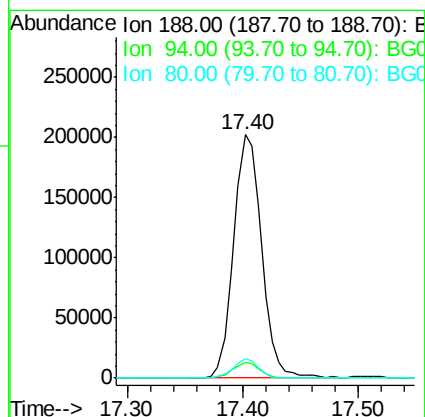
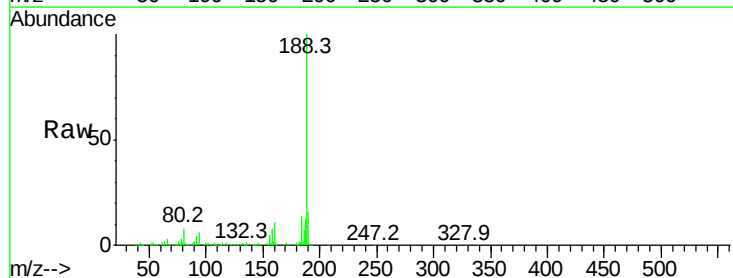
Instrument :
BNA_G
ClientSampleId :

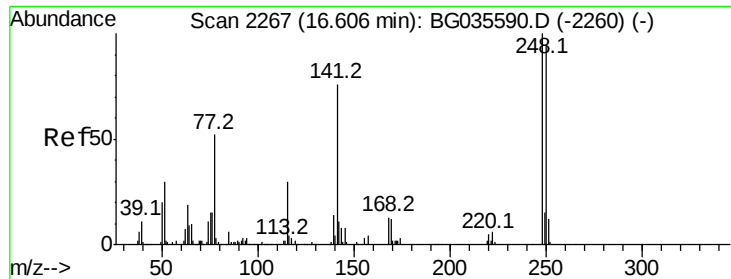
Tot Ion:165 Resp: 17095
Ion Ratio Lower Upper
165 100
63 3.5 42.0 63.0#
89 1.7 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2402
Delta R.T. -0.00 min
Lab File: BG035739.D
Acq: 19 Jul 2018 5:37

Tgt Ion:188 Resp: 339760
Ion Ratio Lower Upper
188 100
94 6.4 6.9 10.3#
80 7.8 7.7 11.5

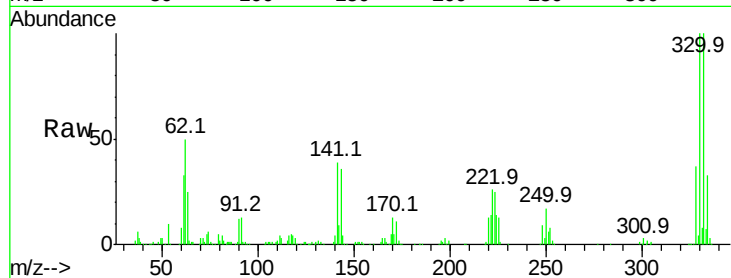




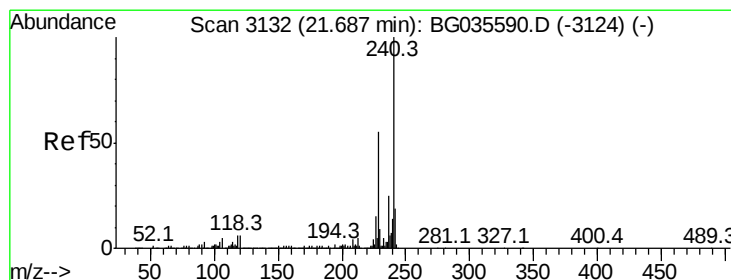
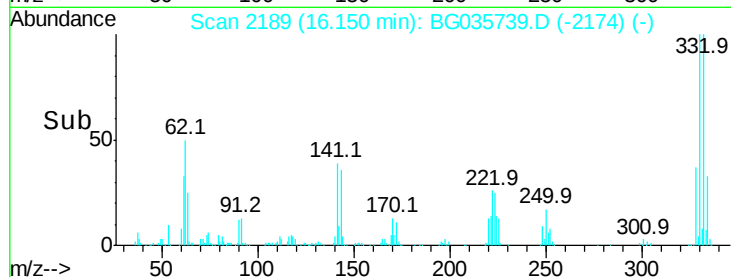
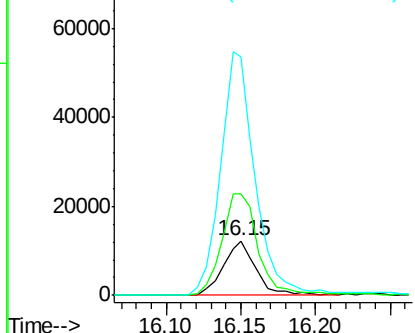
#66
 4-Bromophenyl-phenylether
 Concen: 4.753 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.44 min
 Lab File: BG035739.D
 Acq: 19 Jul 2018 5:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 18737
 Ion Ratio Lower Upper
 248 100
 250 184.5 77.1 115.7#
 141 434.9 50.8 76.2#

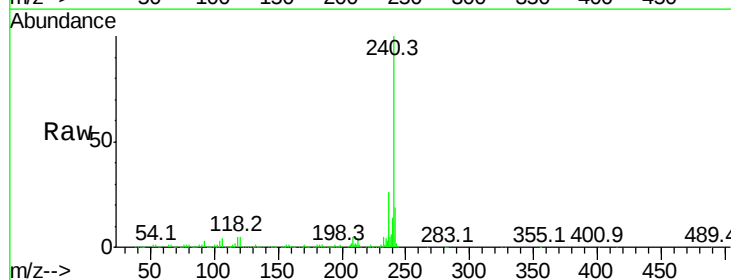


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

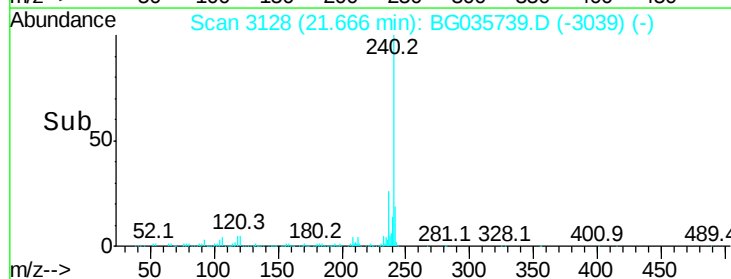
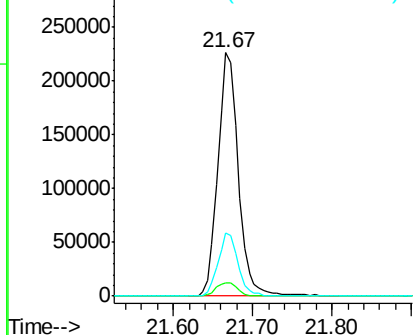


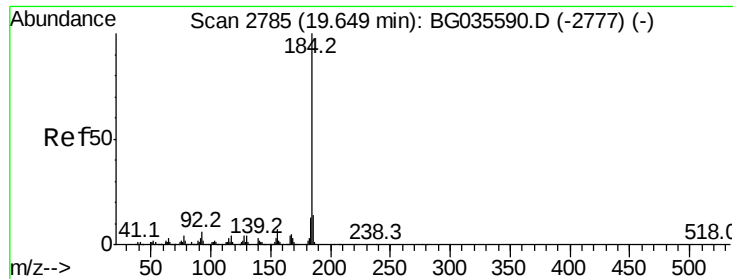
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3128
 Delta R.T. -0.01 min
 Lab File: BG035739.D
 Acq: 19 Jul 2018 5:37

Tgt Ion:240 Resp: 405748
 Ion Ratio Lower Upper
 240 100
 120 5.3 6.8 10.2#
 236 25.8 20.9 31.3



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: 2.866 ng

RT: 20.01 min Scan# 2846

Delta R.T. 0.37 min

Lab File: BG035739.D

Acq: 19 Jul 2018 5:37

Instrument :

BNA_G

ClientSampleId :

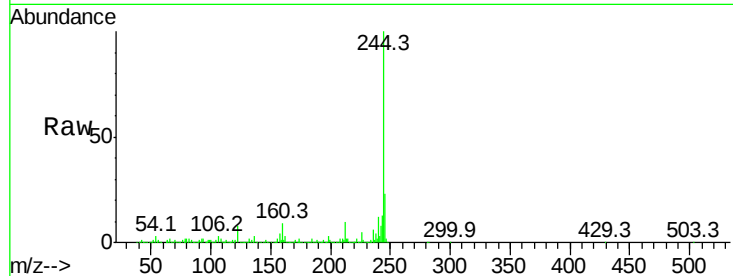
Tot Ion:184 Resp: 30571

Ion Ratio Lower Upper

184 100

185 18.4 11.1 16.7#

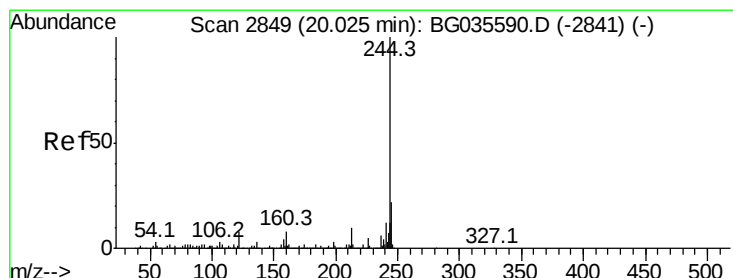
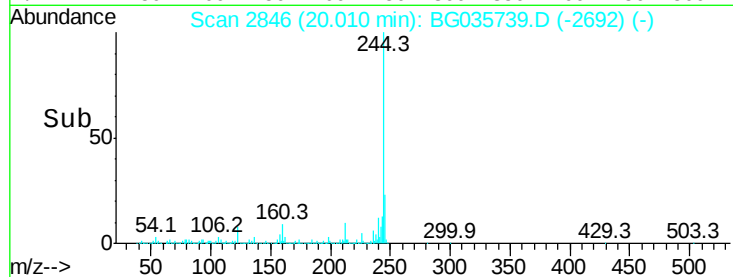
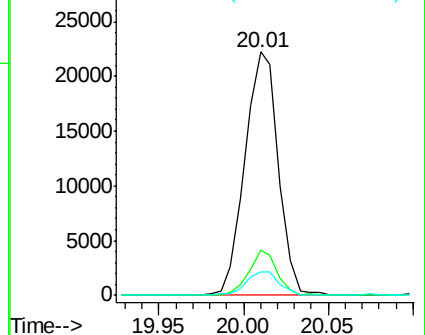
183 9.8 10.6 16.0#



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: 92.821 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BG035739.D

Acq: 19 Jul 2018 5:37

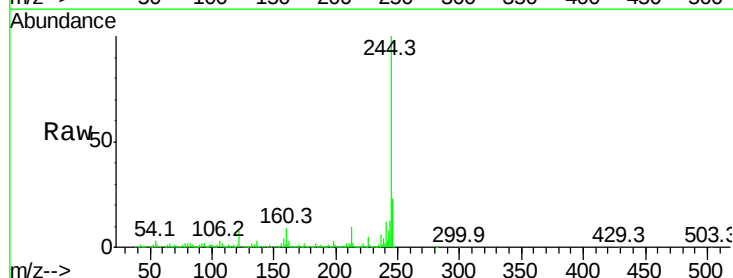
Tgt Ion:244 Resp: 1708566

Ion Ratio Lower Upper

244 100

212 10.0 5.8 8.8#

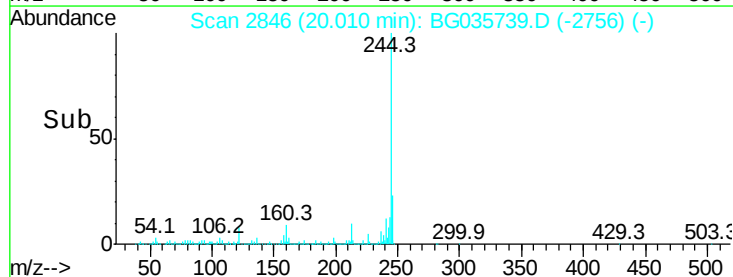
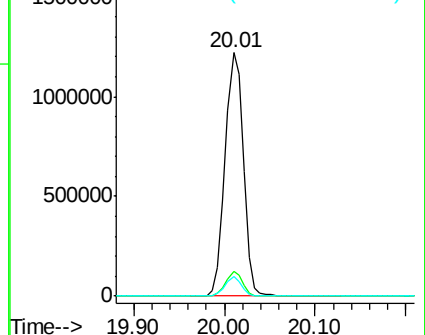
122 8.1 7.0 10.4

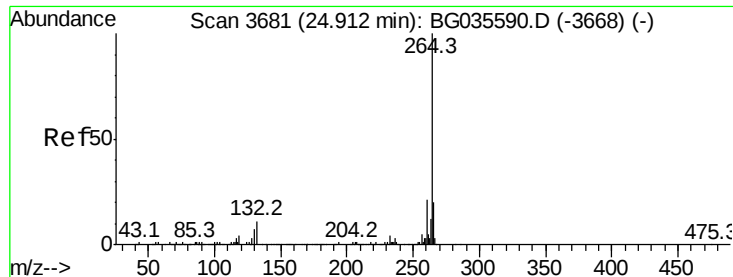


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

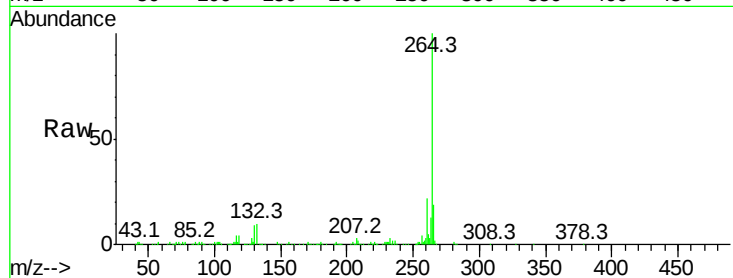




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.88 min Scan# 3675
Delta R.T. -0.00 min
Lab File: BG035739.D
Acq: 19 Jul 2018 5:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	19.3	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

