

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072018\
 Data File : BG035796.D
 Acq On : 20 Jul 2018 22:41
 Operator : JU/SJ
 Sample : J3357-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW2

Quant Time: Jul 21 00:39:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 15:28:54 2018
 Response via : Initial Calibration

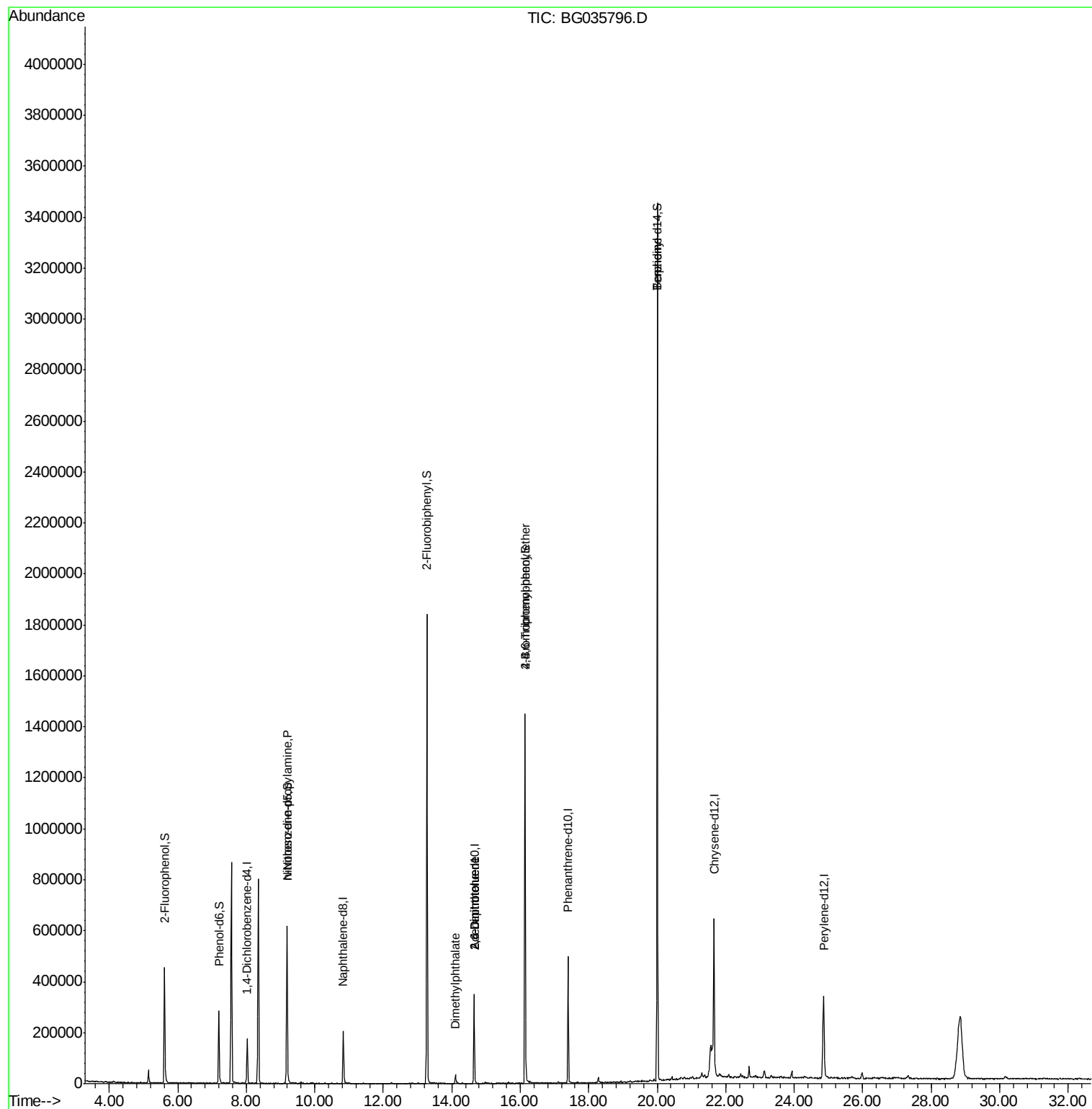
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	49678	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	182560	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	127639	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	327710	20.00	ng	0.00
75) Chrysene-d12	21.66	240	339513	20.00	ng	0.00
86) Perylene-d12	24.86	264	336629	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	213526	71.36	ng	0.00
7) Phenol-d6	7.19	99	188780	42.29	ng	0.00
23) Nitrobenzene-d5	9.19	82	438600	100.36	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	269350	160.10	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	1002616	105.24	ng	0.00
78) Terphenyl-d14	20.00	244	1615240	104.87	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	59505	15.828	ng	Qvalue 66
49) Dimethylphthalate	14.11	163	30879	2.761	ng	97
50) 2,6-Dinitrotoluene	14.65	165	17919	7.869	ng	# 18
56) 2,4-Dinitrotoluene	14.65	165	17919	5.485	ng	# 16
66) 4-Bromophenyl-phenylether	16.14	248	21458	5.644	ng	# 1
76) Benzidine	20.00	184	29440	3.298	ng	# 87

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

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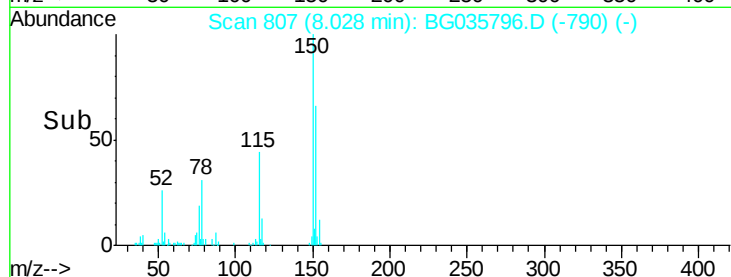
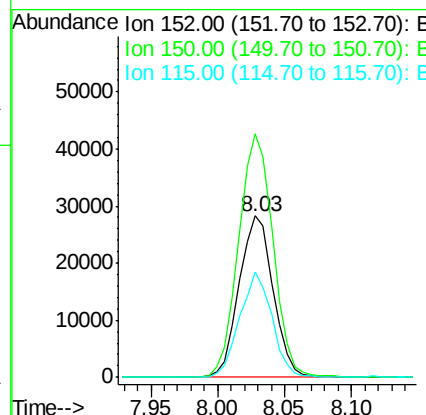
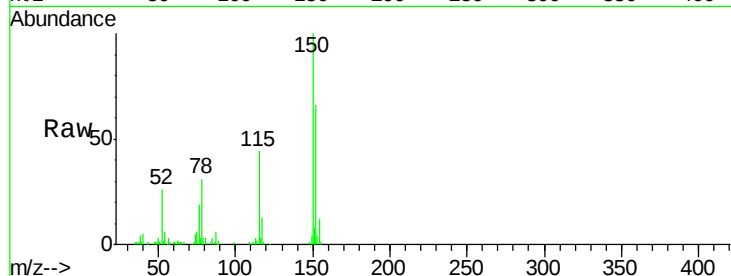


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. 0.00 min
Lab File: BG035796.D
Acq: 20 Jul 2018 22:41

Instrument :
BNA_G
ClientSampleId :
MW2

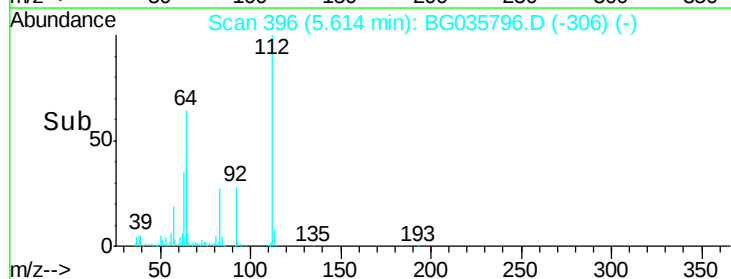
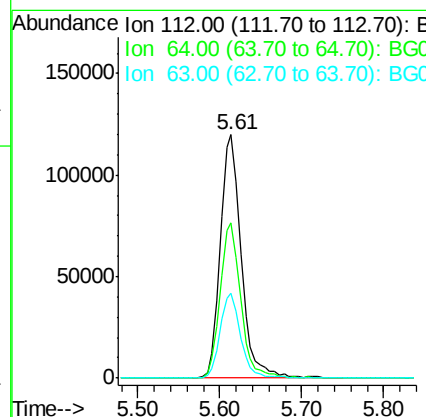
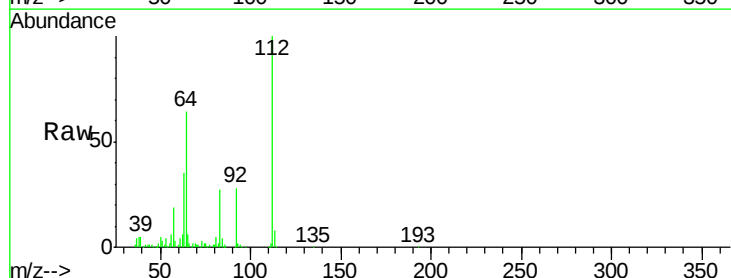
Tgt Ion:152 Resp: 49678
Ion Ratio Lower Upper
152 100
150 151.0 126.6 189.8
115 65.7 53.0 79.4

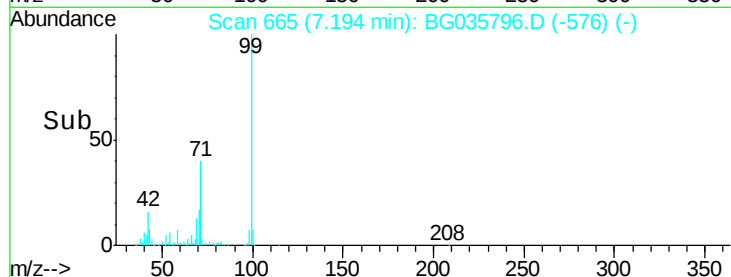
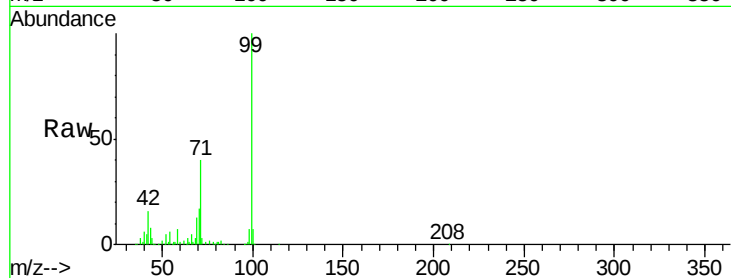
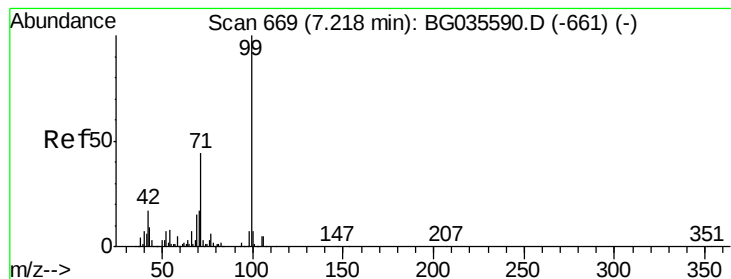


#5

2-Fluorophenol
Concen: 71.360 ng
RT: 5.61 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG035796.D
Acq: 20 Jul 2018 22:41

Tgt Ion:112 Resp: 213526
Ion Ratio Lower Upper
112 100
64 63.8 56.3 84.5
63 34.7 30.1 45.1





#7

Phenol-d6

Concen: 42.286 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.01 min

Lab File: BG035796.D

Acq: 20 Jul 2018 22:41

Instrument :

BNA_G

ClientSampled :

MW2

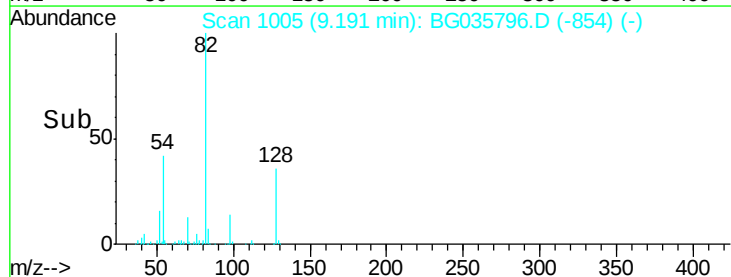
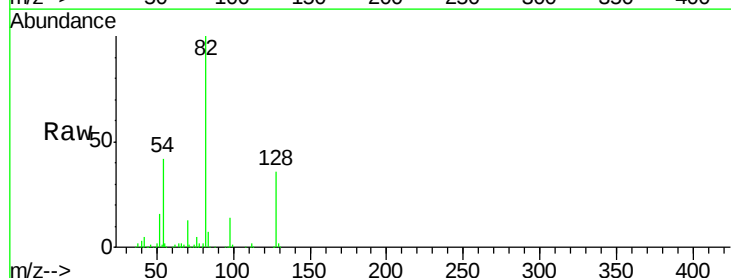
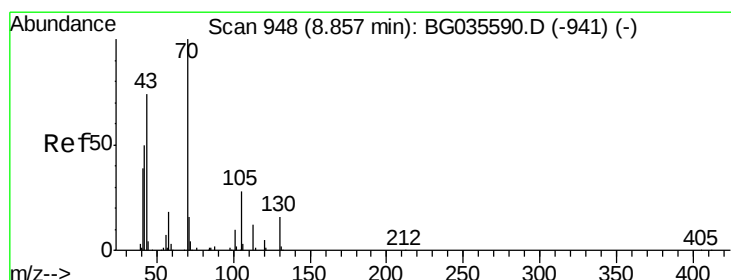
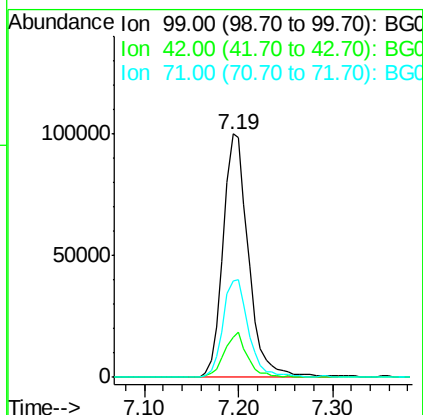
Tgt Ion: 99 Resp: 188780

Ion Ratio Lower Upper

99 100

42 16.5 14.1 21.1

71 39.6 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.828 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.36 min

Lab File: BG035796.D

Acq: 20 Jul 2018 22:41

Tgt Ion: 70 Resp: 59505

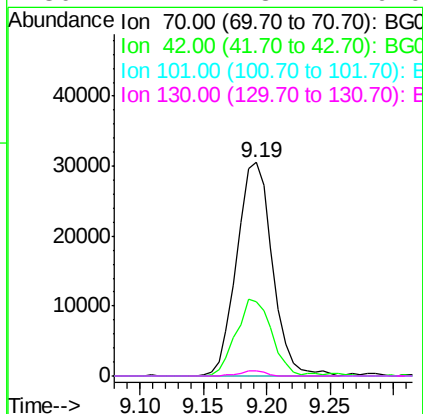
Ion Ratio Lower Upper

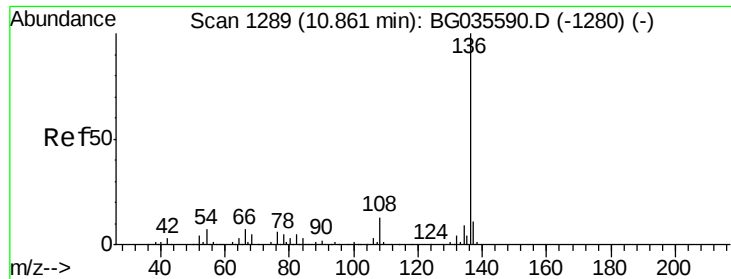
70 100

42 34.6 49.1 73.7#

101 0.0 8.5 12.7#

130 2.4 13.4 20.0#

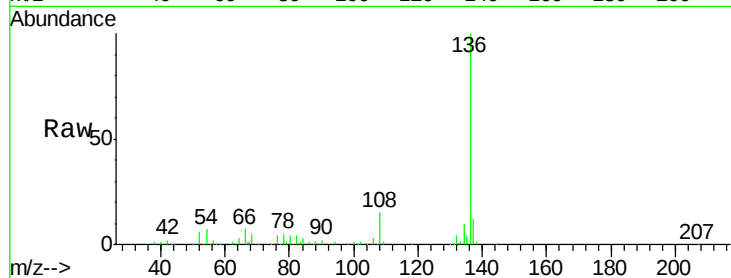




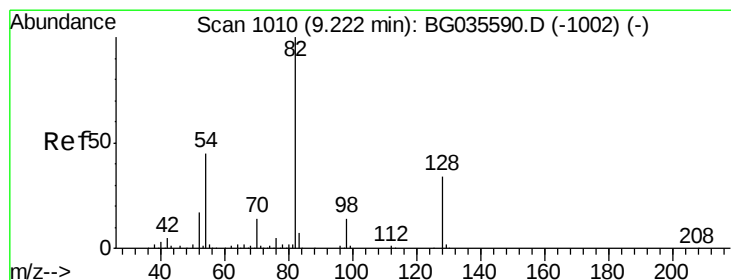
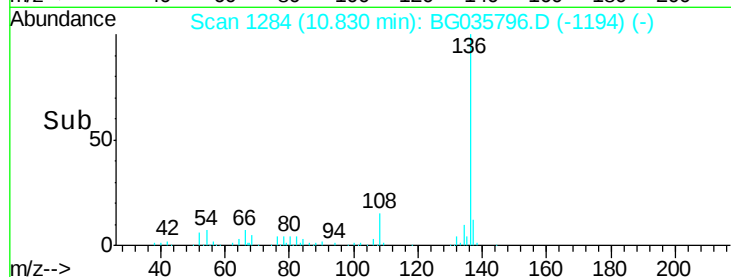
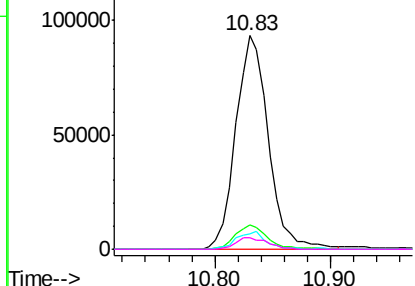
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BG035796.D
Acq: 20 Jul 2018 22:41

Instrument :
BNA_G
ClientSampled :
MW2

Tgt Ion:	136	Resp:	182560
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	7.3	10.3	15.5#
68	5.2	4.5	6.7

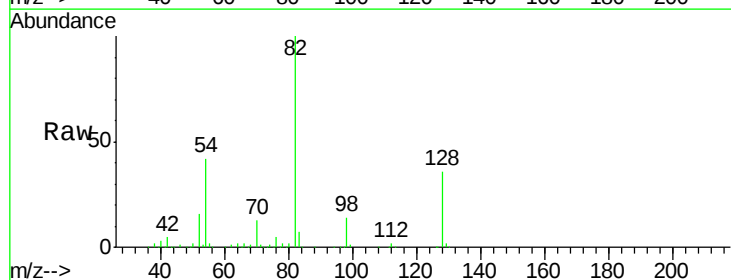


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

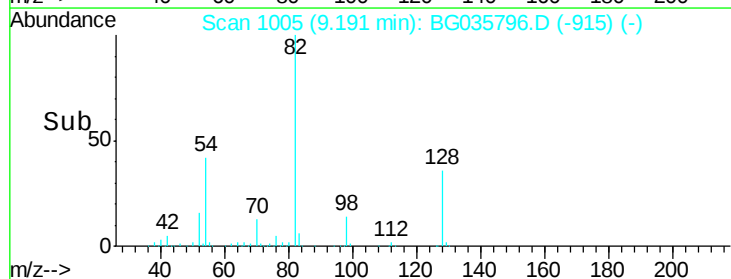
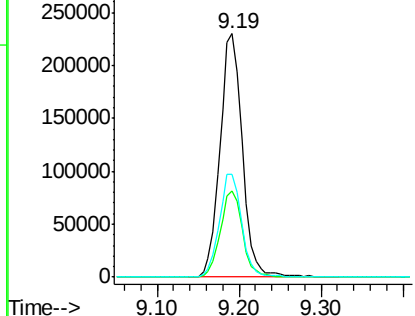


#23
Nitrobenzene-d5
Concen: 100.364 ng
RT: 9.19 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BG035796.D
Acq: 20 Jul 2018 22:41

Tgt Ion:	82	Resp:	438600
Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.7	44.5
54	42.3	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: 14.65 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BG035796.D

Acq: 20 Jul 2018 22:41

Instrument :

BNA_G

ClientSampleId :

MW2

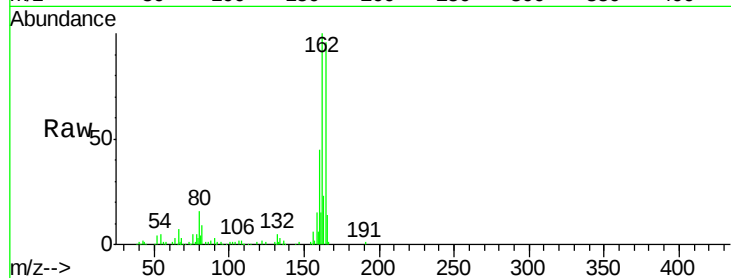
Tgt Ion:164 Resp: 127639

Ion Ratio Lower Upper

164 100

162 103.8 78.8 118.2

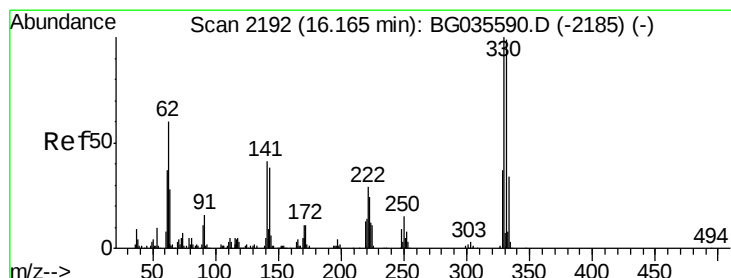
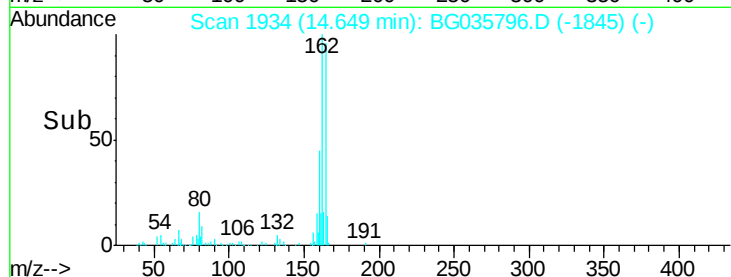
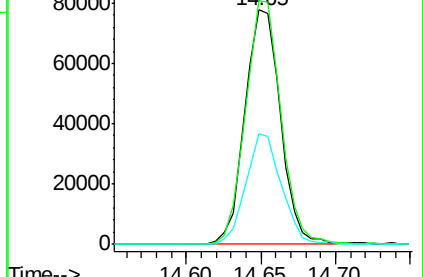
160 47.1 35.4 53.0



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: 160.102 ng

RT: 16.14 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BG035796.D

Acq: 20 Jul 2018 22:41

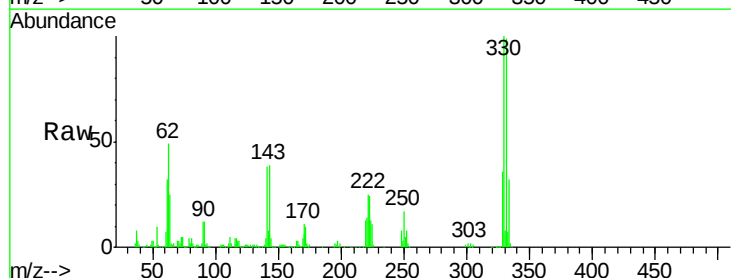
Tgt Ion:330 Resp: 269350

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

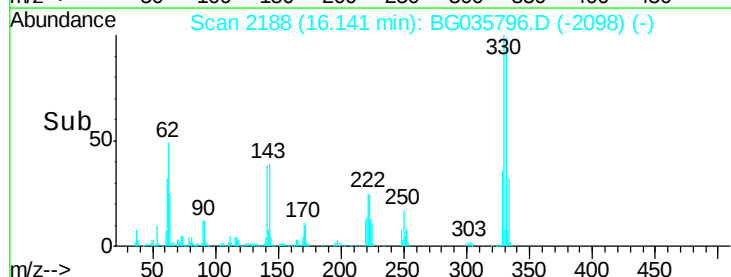
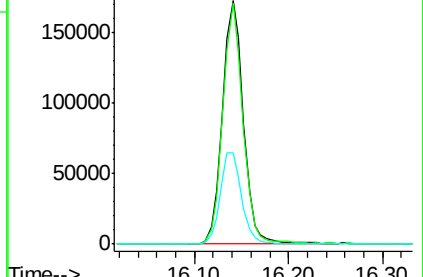
141 38.1 25.2 37.8#

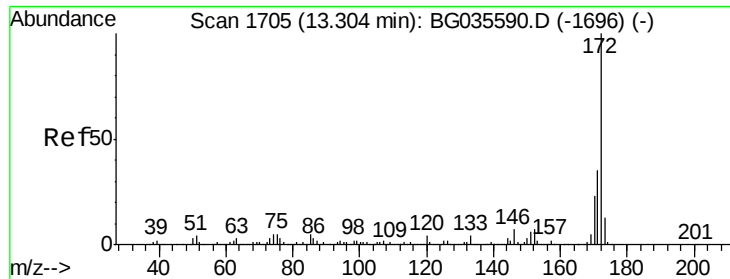


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

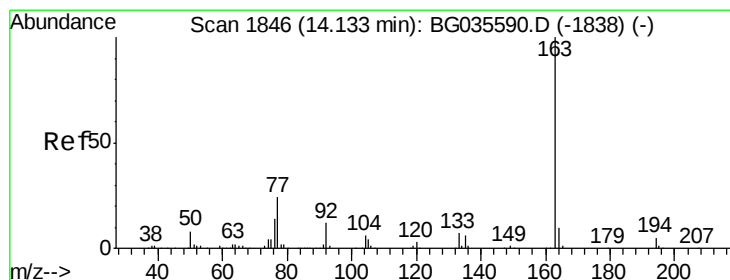
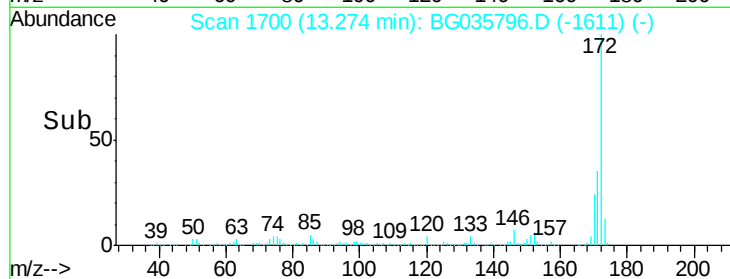
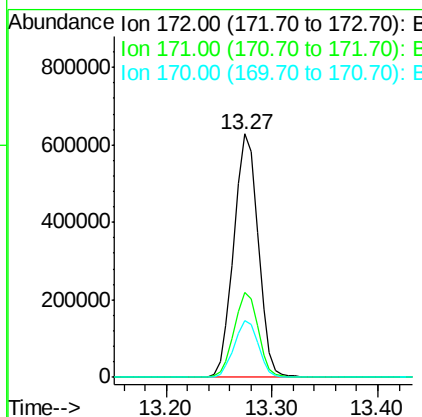
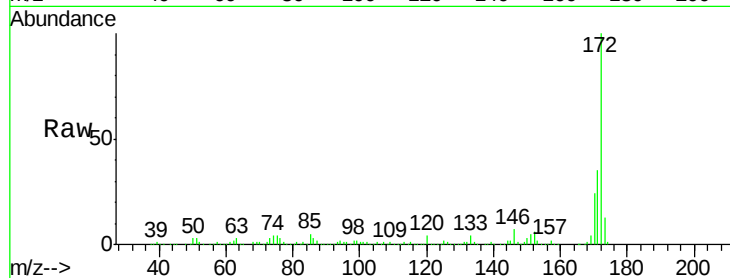




#44
2-Fluorobiphenyl
Concen: 105.238 ng
RT: 13.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: BG035796.D
Acq: 20 Jul 2018 22:41

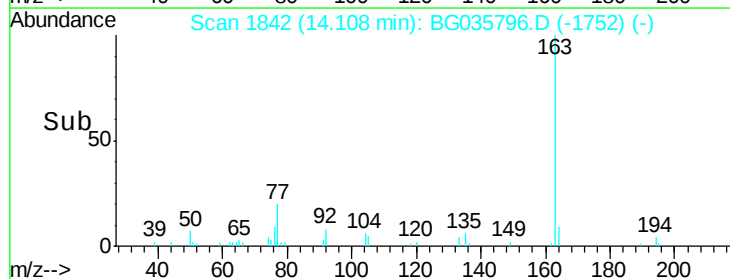
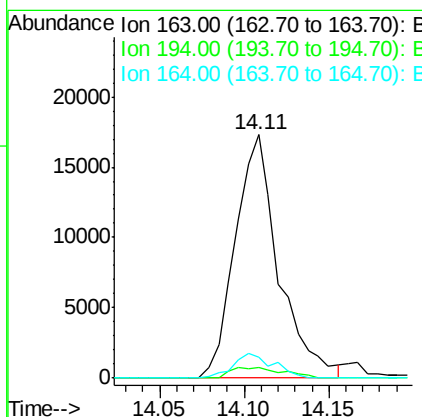
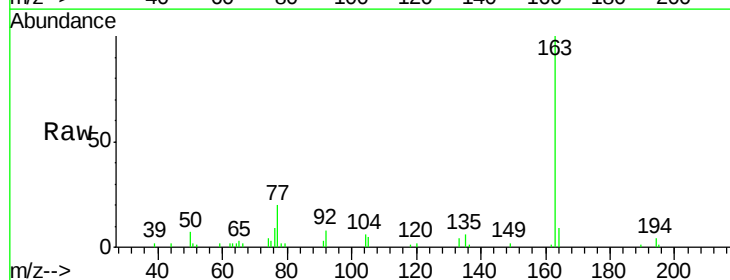
Instrument :
BNA_G
ClientSampleId :
MW2

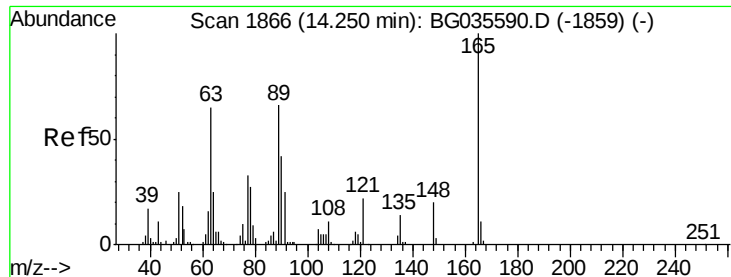
Tgt Ion:172 Resp: 1002616
Ion Ratio Lower Upper
172 100
171 35.1 30.0 45.0
170 23.5 19.5 29.3



#49
Dimethylphthalate
Concen: 2.761 ng
RT: 14.11 min Scan# 1842
Delta R.T. 0.00 min
Lab File: BG035796.D
Acq: 20 Jul 2018 22:41

Tgt Ion:163 Resp: 30879
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 8.7 8.2 12.4





#50

2,6-Dinitrotoluene

Concen: 7.869 ng

RT: 14.65 min Scan# 1934

Delta R.T. 0.42 min

Lab File: BG035796.D

Acq: 20 Jul 2018 22:41

Instrument :

BNA_G

ClientSampleId :

MW2

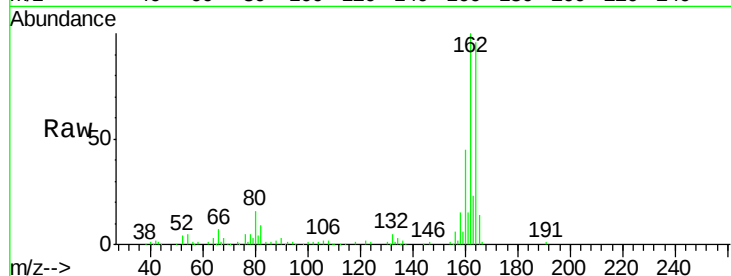
Tgt Ion:165 Resp: 17919

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

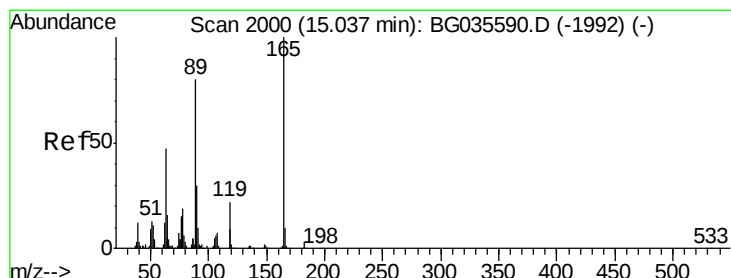
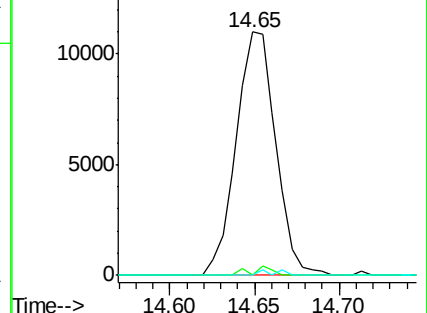
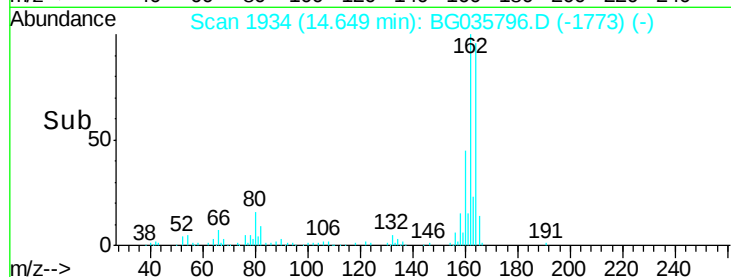
89 0.0 49.2 73.8#



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



#56

2,4-Dinitrotoluene

Concen: 5.485 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.36 min

Lab File: BG035796.D

Acq: 20 Jul 2018 22:41

Tgt Ion:165 Resp: 17919

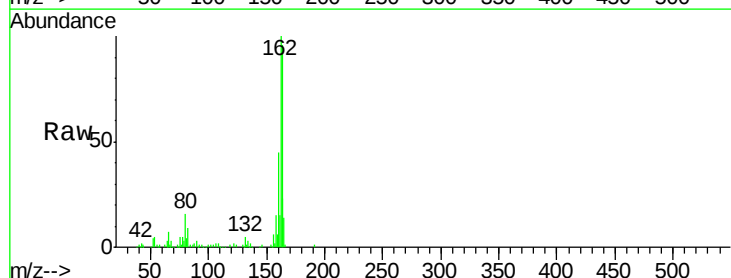
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

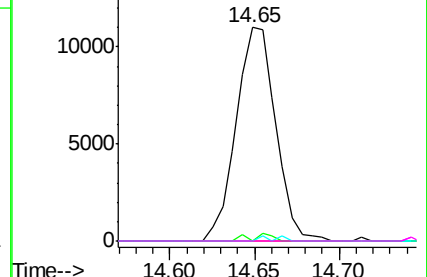
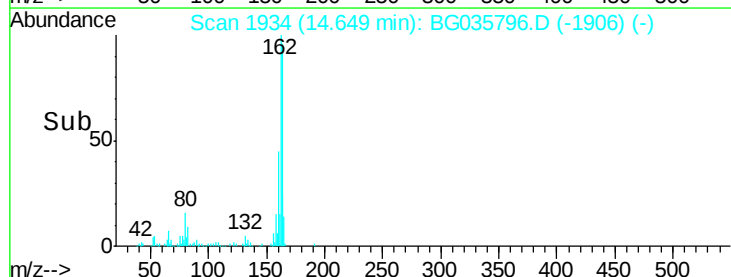


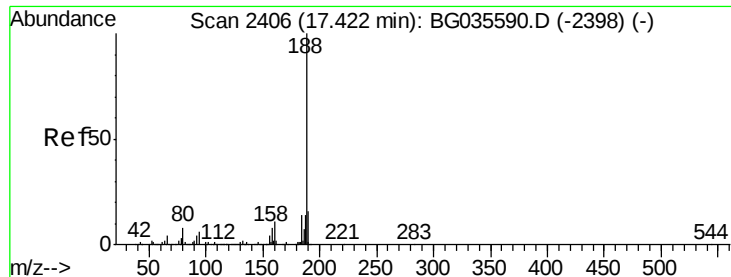
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BG035796.D

Acq: 20 Jul 2018 22:41

Instrument :

BNA_G

ClientSampleId :

MW2

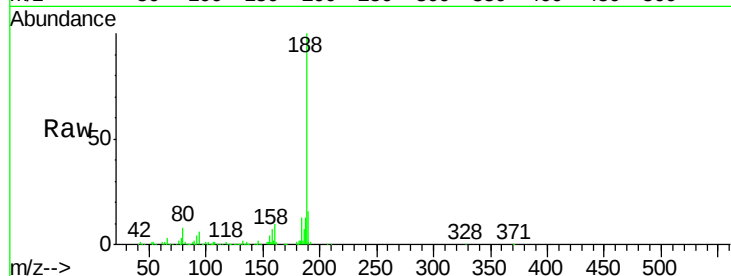
Tgt Ion:188 Resp: 327710

Ion Ratio Lower Upper

188 100

94 5.8 6.9 10.3#

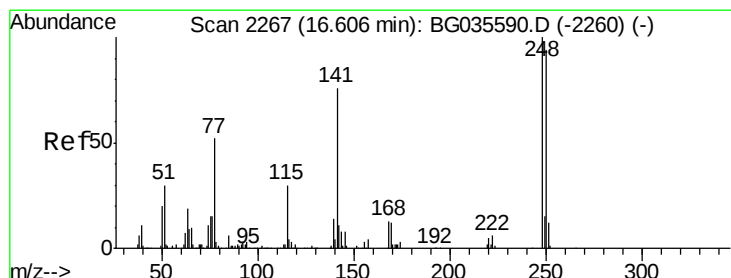
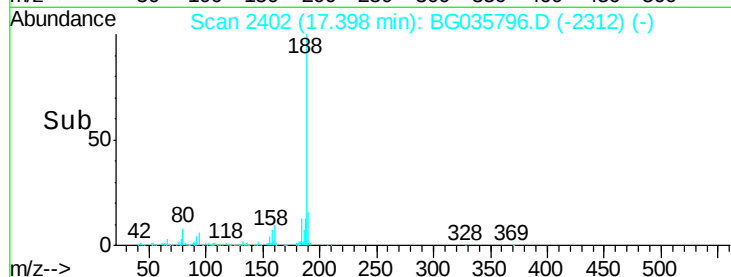
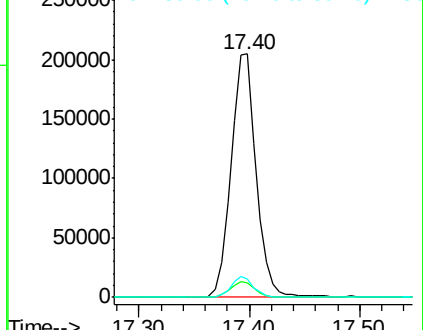
80 7.7 7.7 11.5



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: 5.644 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.44 min

Lab File: BG035796.D

Acq: 20 Jul 2018 22:41

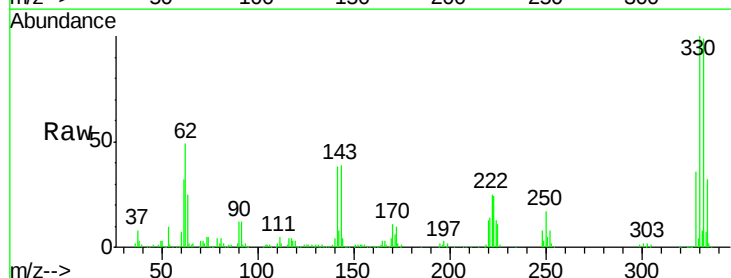
Tgt Ion:248 Resp: 21458

Ion Ratio Lower Upper

248 100

250 219.1 77.1 115.7#

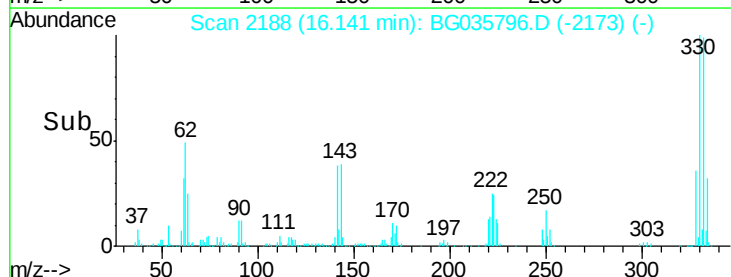
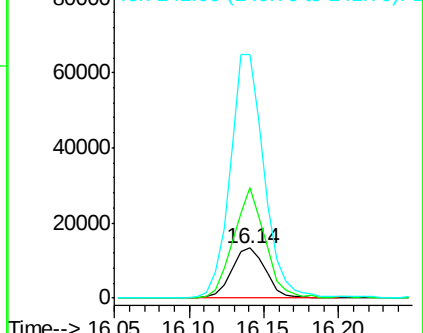
141 485.2 50.8 76.2#

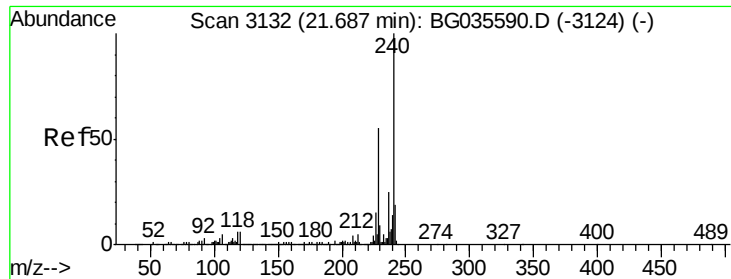


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BG035796.D

Acq: 20 Jul 2018 22:41

Instrument :

BNA_G

ClientSampleId :

MW2

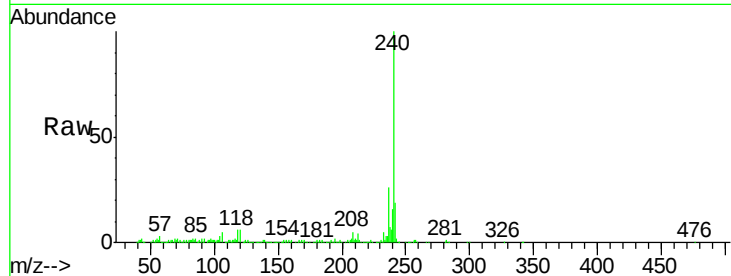
Tgt Ion:240 Resp: 339513

Ion Ratio Lower Upper

240 100

120 5.8 6.8 10.2#

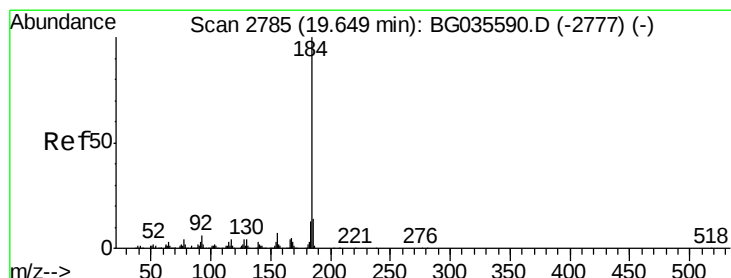
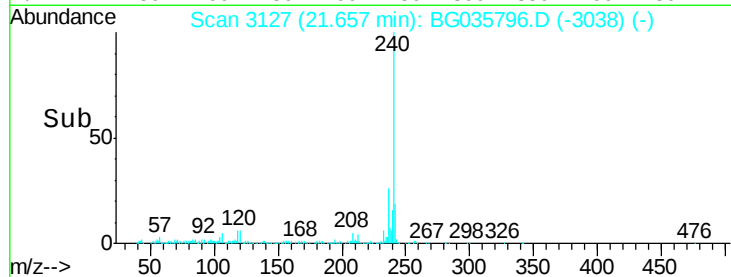
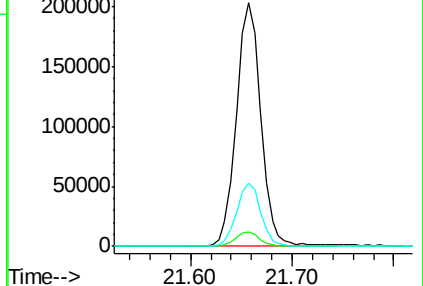
236 26.0 20.9 31.3



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: 3.298 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.38 min

Lab File: BG035796.D

Acq: 20 Jul 2018 22:41

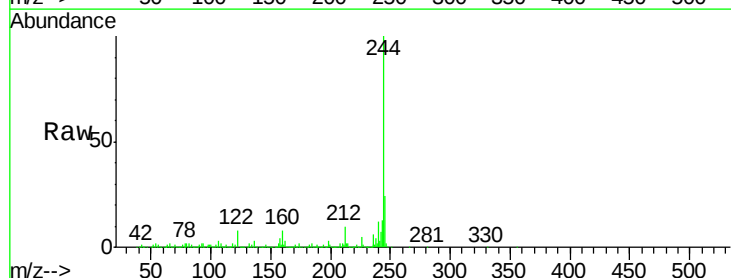
Tgt Ion:184 Resp: 29440

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

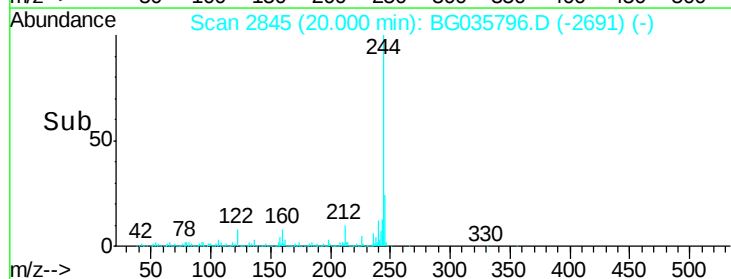
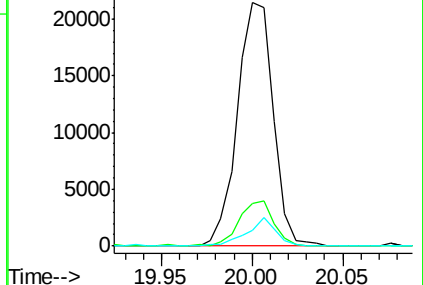
183 6.5 10.6 16.0#

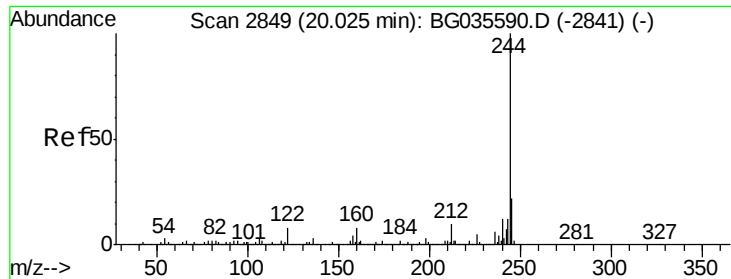


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 104.870 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG035796.D

Acq: 20 Jul 2018 22:41

Instrument :

BNA_G

ClientSampleId :

MW2

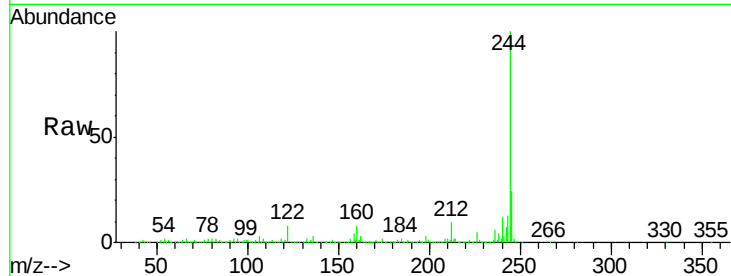
Tgt Ion:244 Resp: 1615240

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

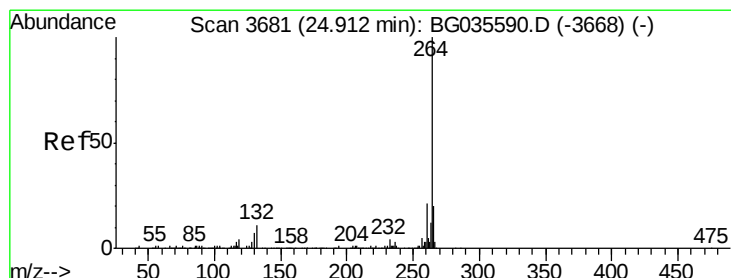
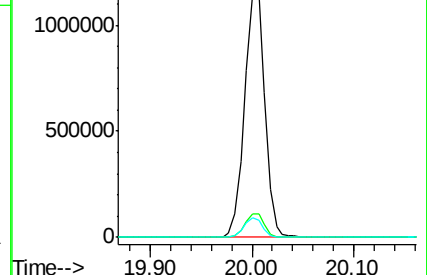
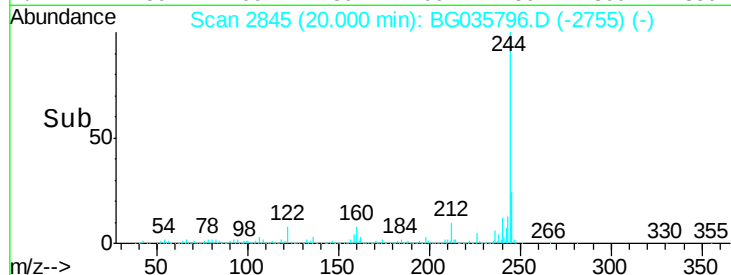
122 8.2 7.0 10.4



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: 24.86 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BG035796.D

Acq: 20 Jul 2018 22:41

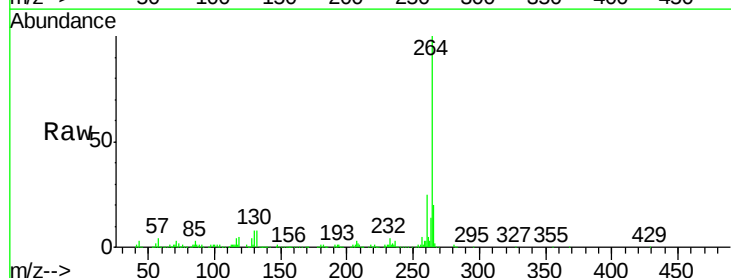
Tgt Ion:264 Resp: 336629

Ion Ratio Lower Upper

264 100

260 24.9 17.4 26.0

265 19.9 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

