

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071818\
 Data File : BG035721.D
 Acq On : 18 Jul 2018 17:36
 Operator : JU/SJ
 Sample : J3620-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 19 02:02:44 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

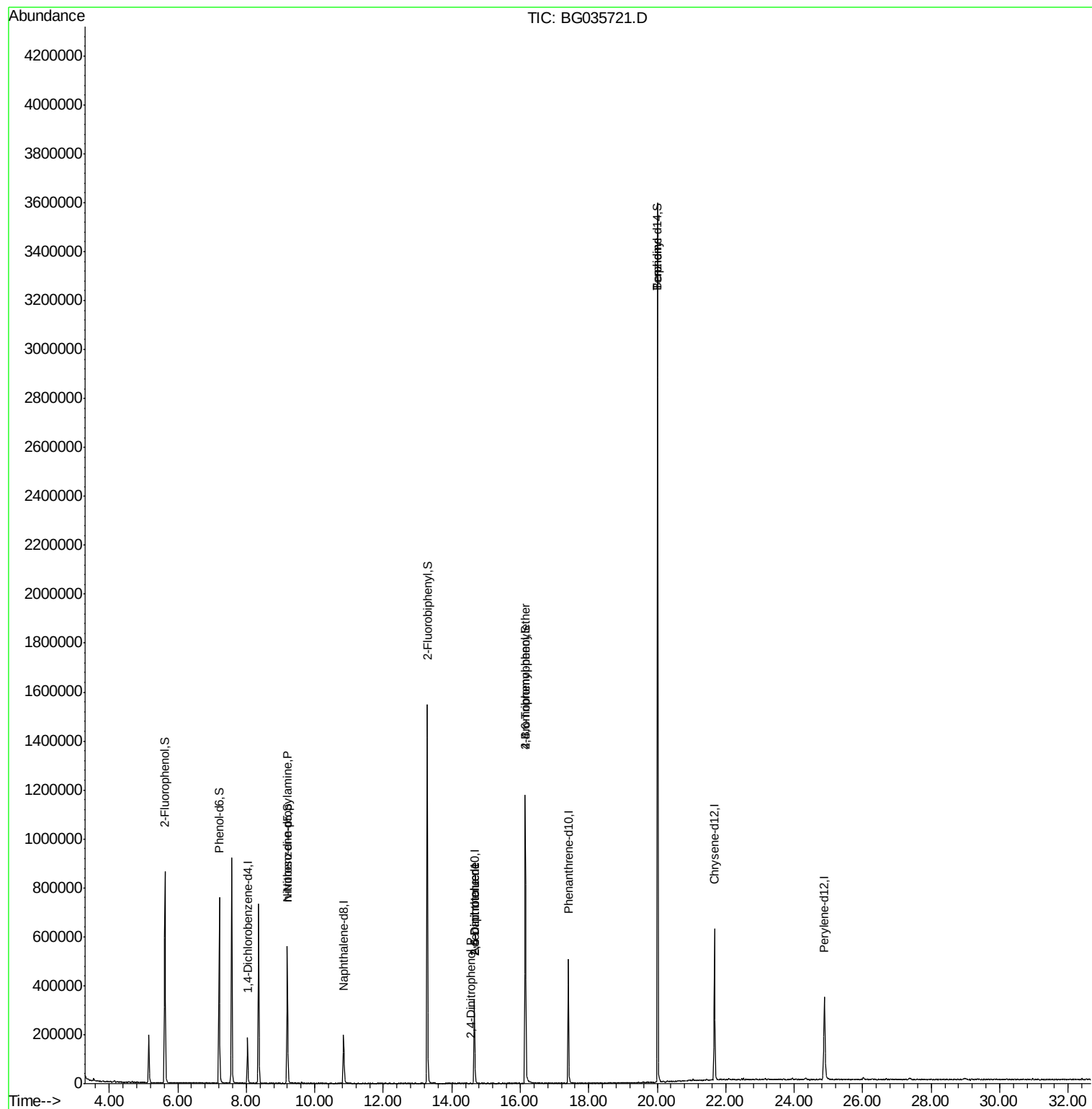
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	49463	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	176796	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	123717	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	343514	20.00	ng	0.00
75) Chrysene-d12	21.67	240	408876	20.00	ng	0.00
86) Perylene-d12	24.88	264	388252	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	377693	126.77	ng	0.00
7) Phenol-d6	7.21	99	480868	108.18	ng	0.00
23) Nitrobenzene-d5	9.20	82	391344	92.47	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	230043	141.07	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	858116	92.93	ng	0.00
78) Terphenyl-d14	20.01	244	1639206	88.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	54505	14.561	ng	# 67
50) 2,6-Dinitrotoluene	14.66	165	16942	7.675	ng	# 21
53) 2,4-Dinitrophenol	14.55	184	58	6.629	ng	# 1
56) 2,4-Dinitrotoluene	14.66	165	16942	5.350	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	18696	4.691	ng	# 1
76) Benzidine	20.01	184	30267	2.816	ng	# 88

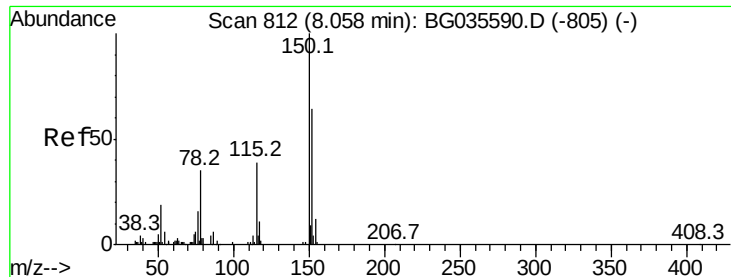
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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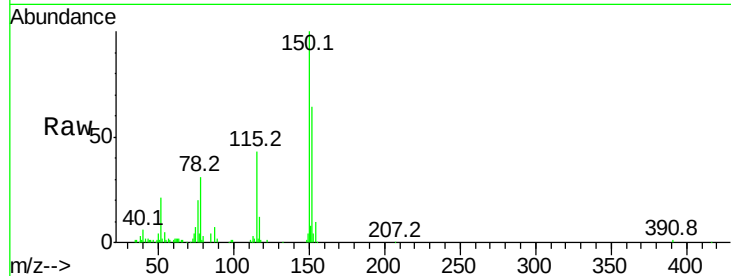


#1

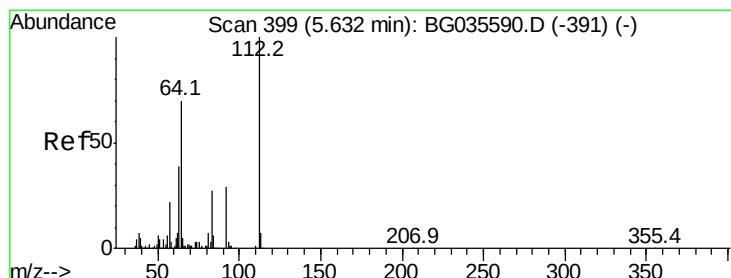
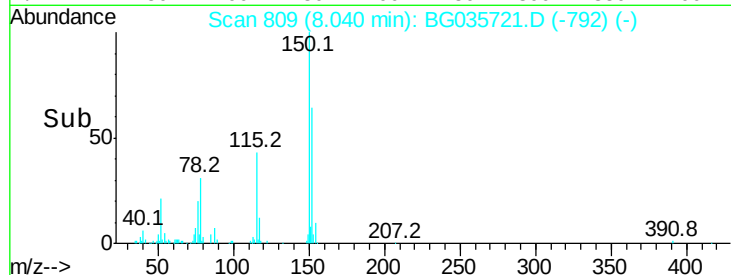
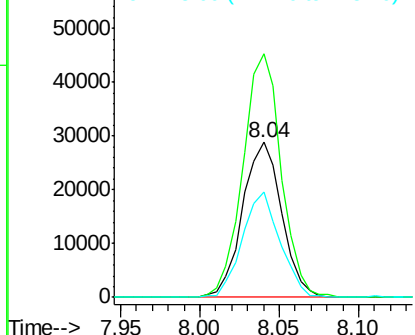
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.00 min
Lab File: BG035721.D
Acq: 18 Jul 2018 17:36

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 49463
Ion Ratio Lower Upper
152 100
150 157.3 126.6 189.8
115 68.4 53.0 79.4



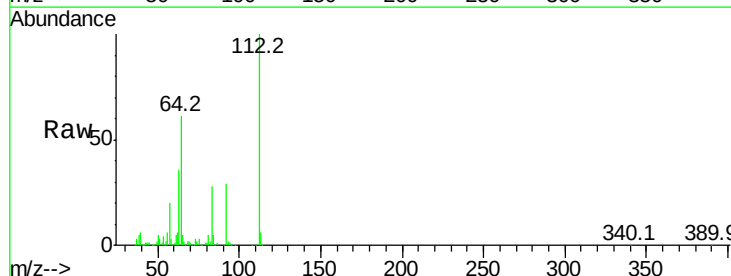
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



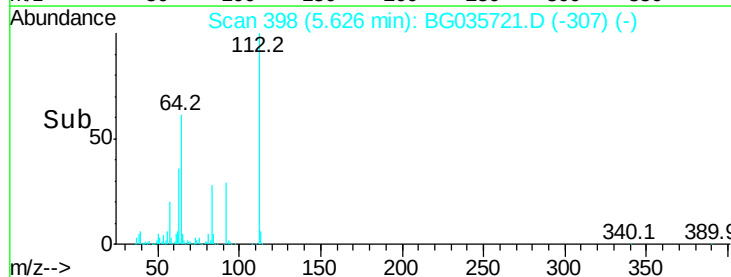
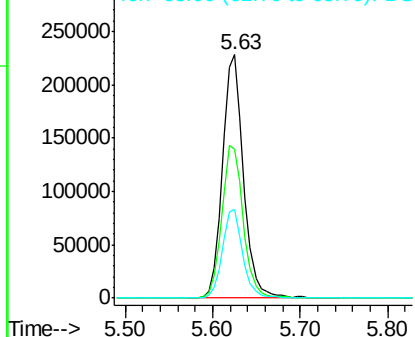
#5

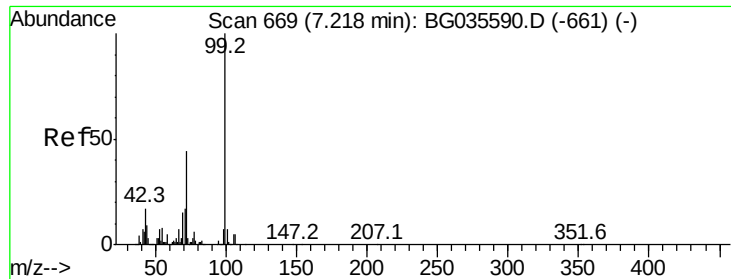
2-Fluorophenol
Concen: 126.773 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.01 min
Lab File: BG035721.D
Acq: 18 Jul 2018 17:36

Tgt Ion:112 Resp: 377693
Ion Ratio Lower Upper
112 100
64 61.4 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): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 108.181 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.00 min

Lab File: BG035721.D

Acq: 18 Jul 2018 17:36

Instrument :

BNA_G

ClientSampleId :

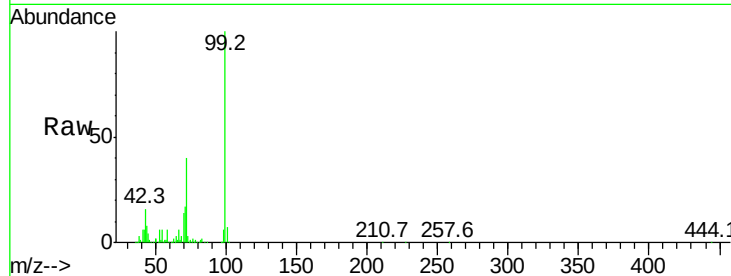
Tot Ion: 99 Resp: 480868

Ion Ratio Lower Upper

99 100

42 16.3 14.1 21.1

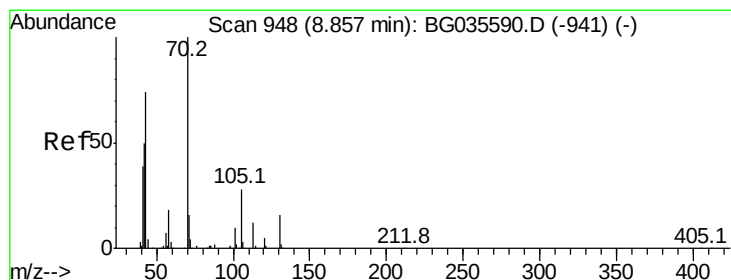
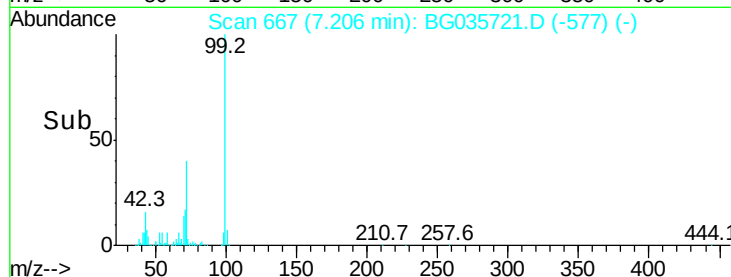
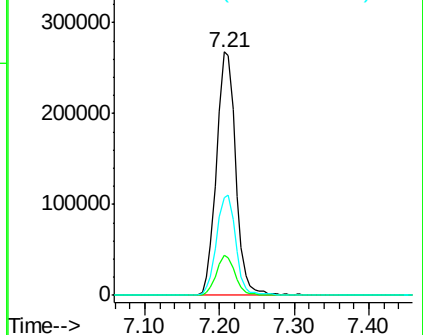
71 40.3 26.1 39.1#



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: 14.561 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.36 min

Lab File: BG035721.D

Acq: 18 Jul 2018 17:36

Tgt Ion: 70 Resp: 54505

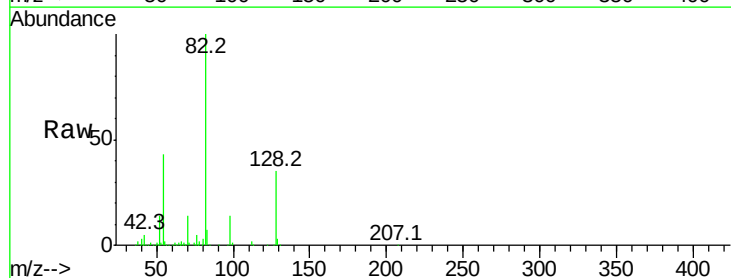
Ion Ratio Lower Upper

70 100

42 35.8 49.1 73.7#

101 0.0 8.5 12.7#

130 1.9 13.4 20.0#

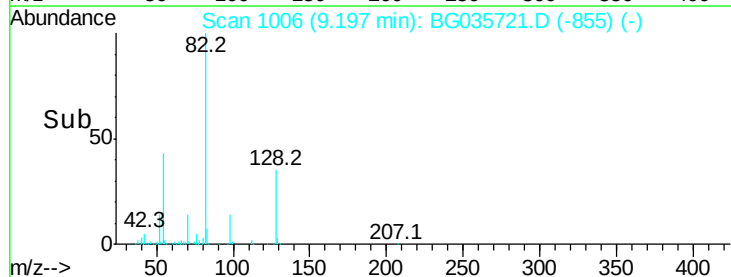
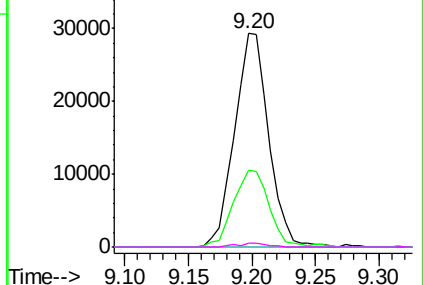


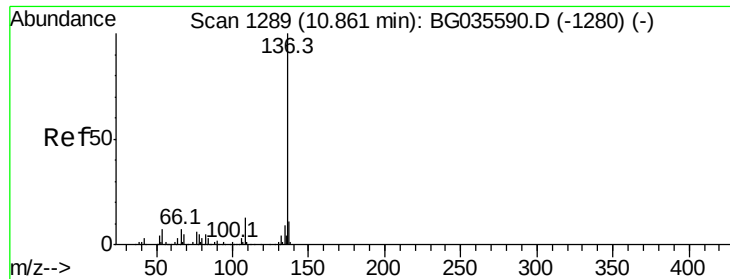
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG035721.D

Acq: 18 Jul 2018 17:36

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 176796

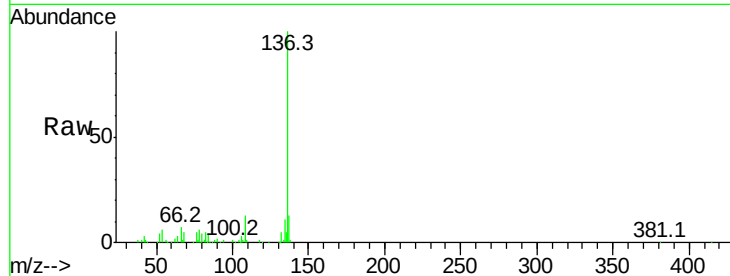
Ion Ratio Lower Upper

136 100

137 12.8 9.2 13.8

54 6.3 10.3 15.5#

68 5.4 4.5 6.7

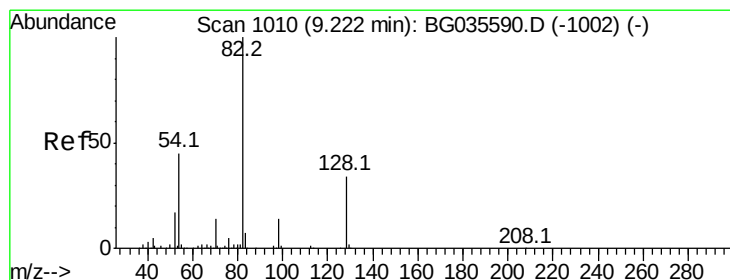
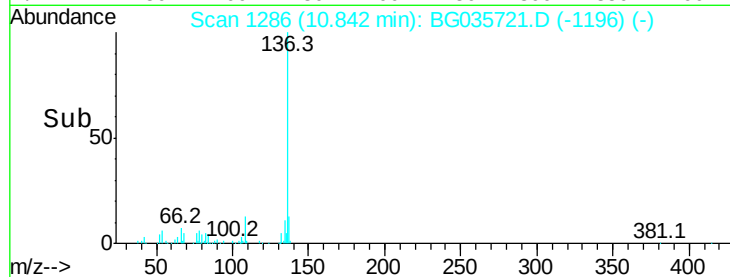
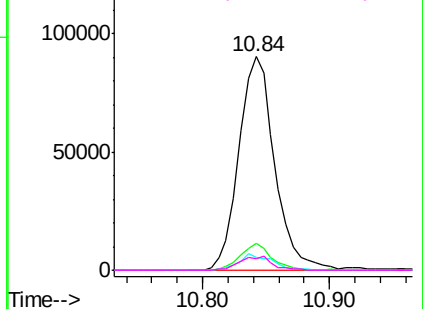


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.470 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.01 min

Lab File: BG035721.D

Acq: 18 Jul 2018 17:36

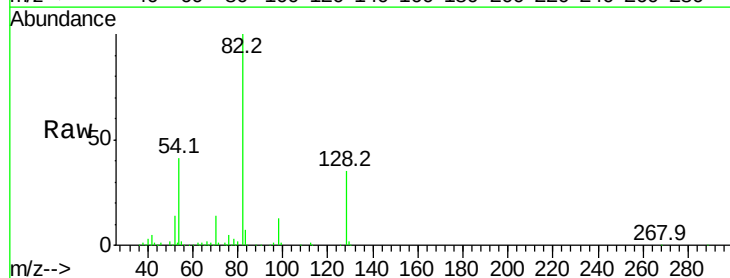
Tgt Ion: 82 Resp: 391344

Ion Ratio Lower Upper

82 100

128 35.1 29.7 44.5

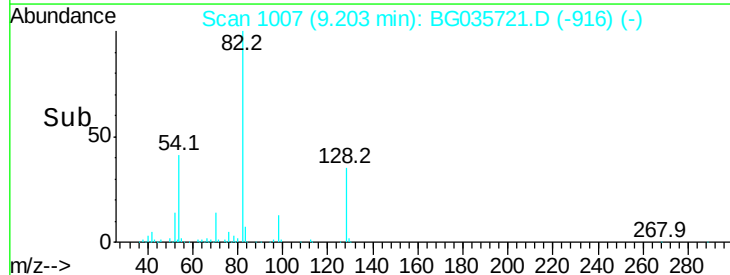
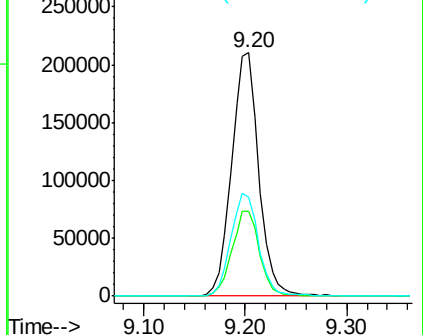
54 40.9 43.1 64.7#

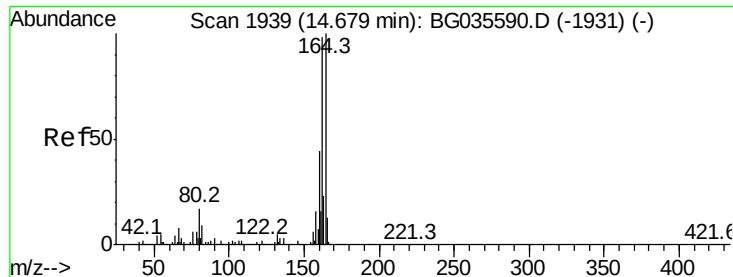


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.66 min Scan# 1936

Delta R.T. -0.00 min

Lab File: BG035721.D

Acq: 18 Jul 2018 17:36

Instrument :

BNA_G

ClientSampleId :

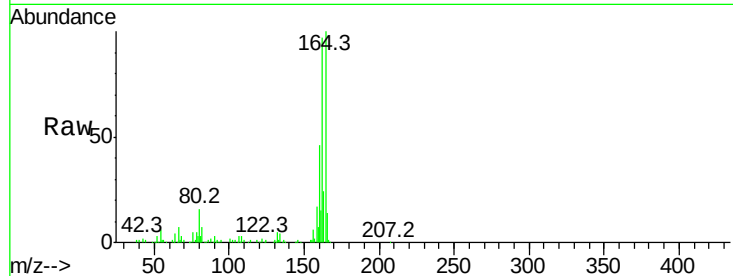
Tot Ion:164 Resp: 123717

Ion Ratio Lower Upper

164 100

162 96.6 78.8 118.2

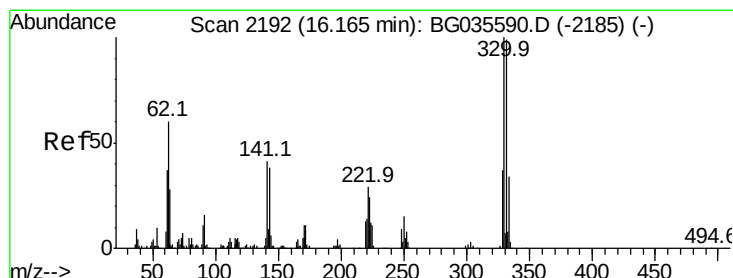
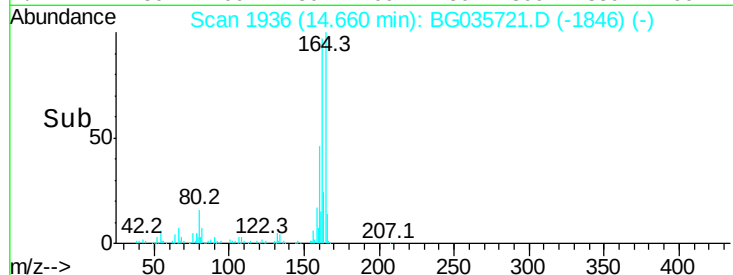
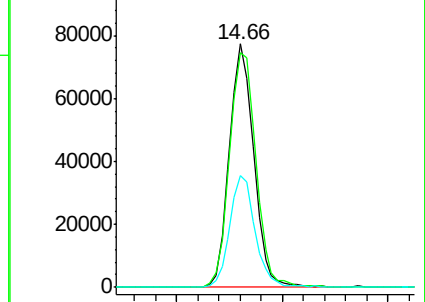
160 45.7 35.4 53.0



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: 141.073 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.00 min

Lab File: BG035721.D

Acq: 18 Jul 2018 17:36

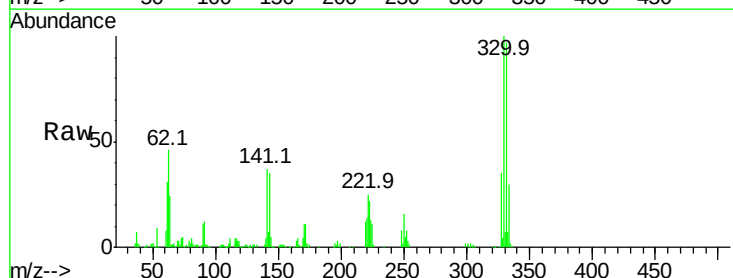
Tgt Ion:330 Resp: 230043

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

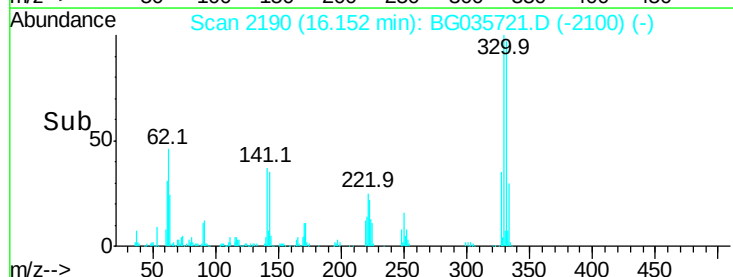
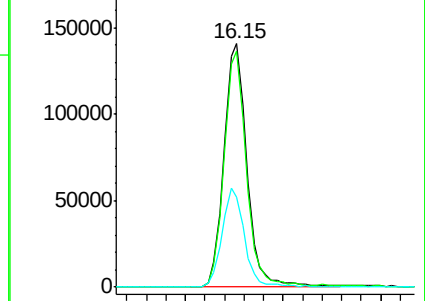
141 39.7 25.2 37.8#

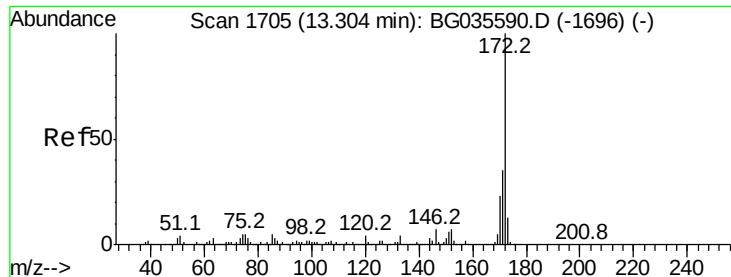


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

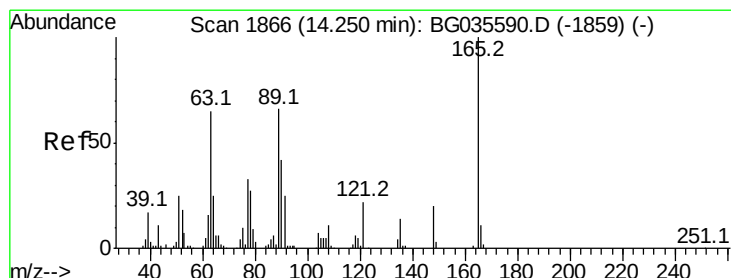
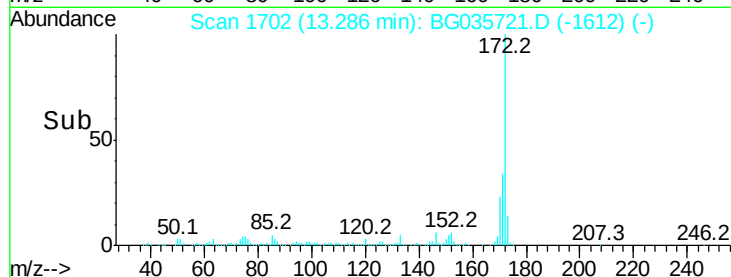
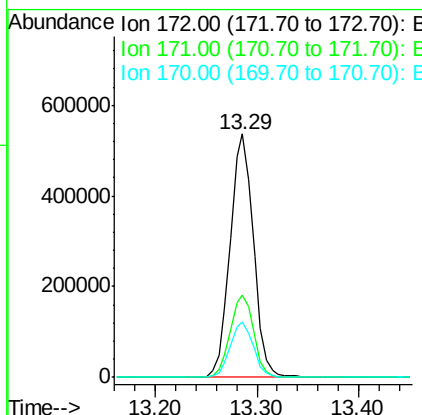
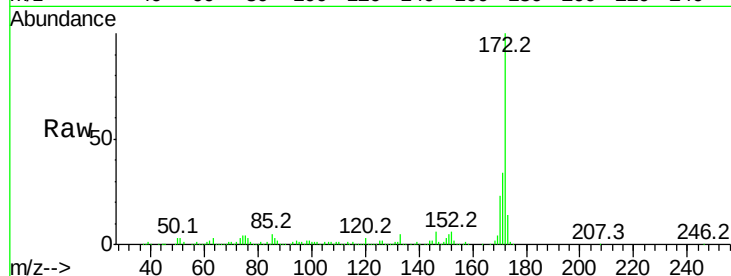




#44
2-Fluorobiphenyl
Concen: 92.926 ng
RT: 13.29 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BG035721.D
Acq: 18 Jul 2018 17:36

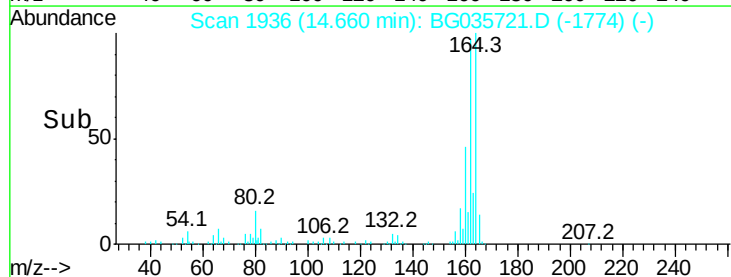
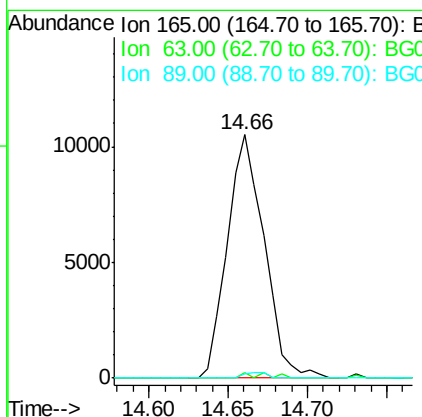
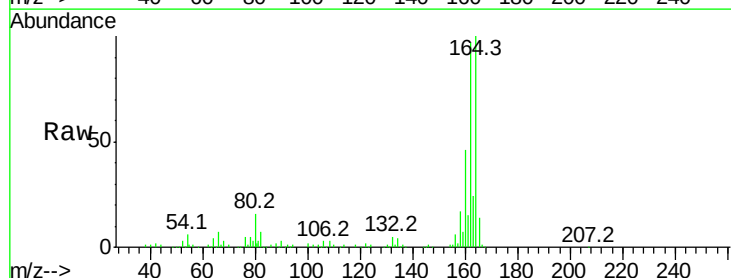
Instrument :
BNA_G
ClientSampleId :

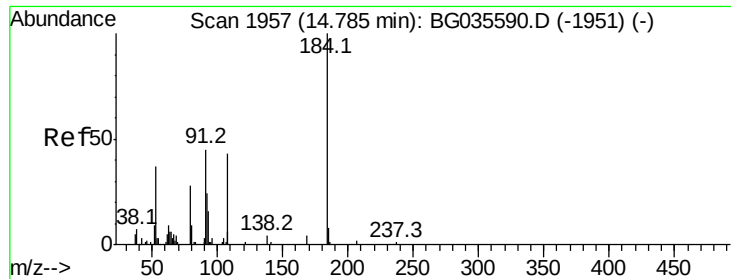
Tot Ion:172 Resp: 858116
Ion Ratio Lower Upper
172 100
171 33.7 30.0 45.0
170 22.9 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.675 ng
RT: 14.66 min Scan# 1936
Delta R.T. 0.42 min
Lab File: BG035721.D
Acq: 18 Jul 2018 17:36

Tgt Ion:165 Resp: 16942
Ion Ratio Lower Upper
165 100
63 2.1 52.7 79.1#
89 1.6 49.2 73.8#





#53

2,4-Dinitrophenol

Concen: 6.629 ng

RT: 14.55 min Scan# 1917

Delta R.T. -0.25 min

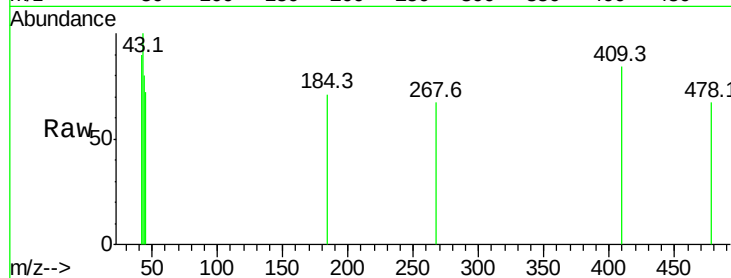
Lab File: BG035721.D

Acq: 18 Jul 2018 17:36

Instrument :

BNA_G

ClientSampleId :



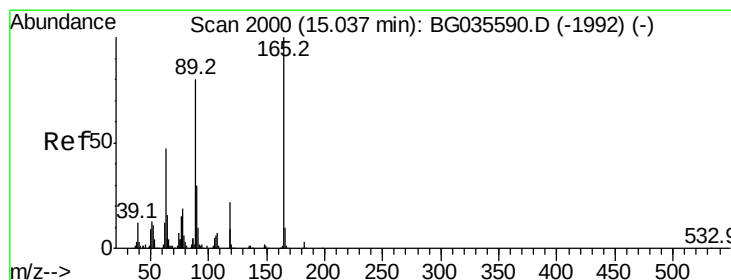
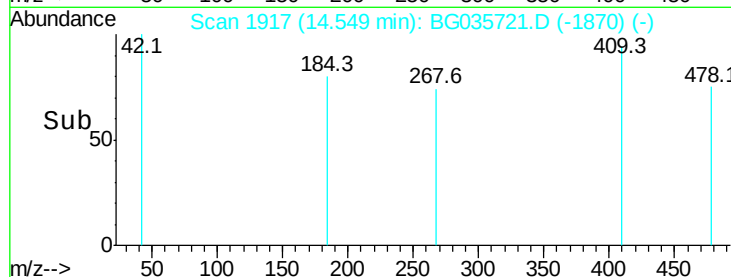
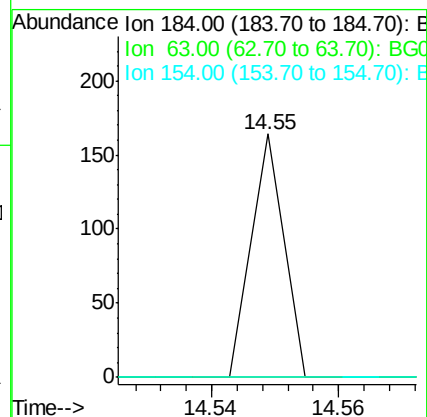
Tot Ion:184 Resp: 58

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

154 0.0 101.8 152.8#



#56

2,4-Dinitrotoluene

Concen: 5.350 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.36 min

Lab File: BG035721.D

Acq: 18 Jul 2018 17:36

Tgt Ion:165 Resp: 16942

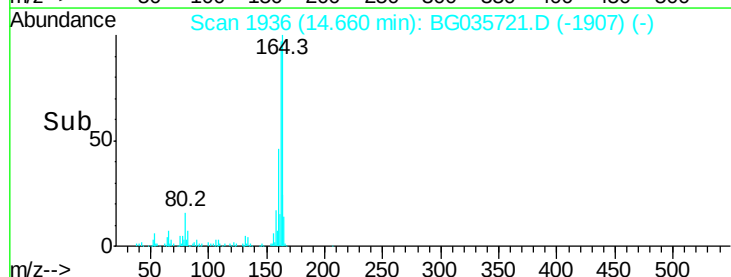
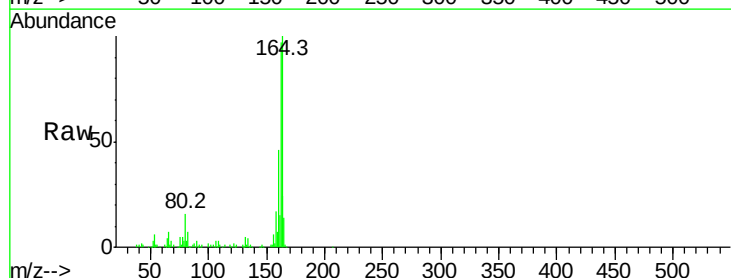
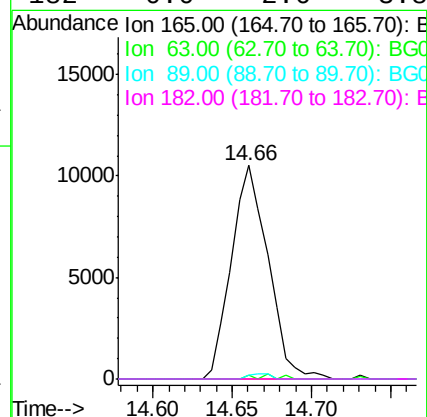
Ion Ratio Lower Upper

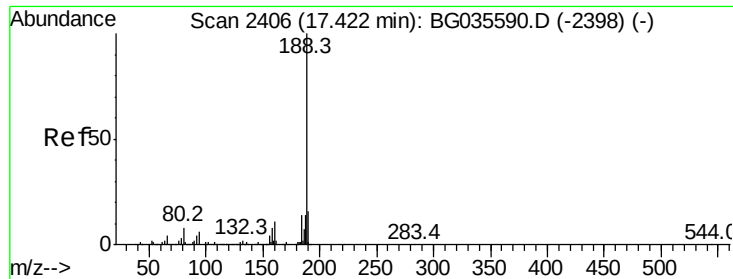
165 100

63 2.1 42.0 63.0#

89 1.6 66.9 100.3#

182 0.0 2.6 3.8#

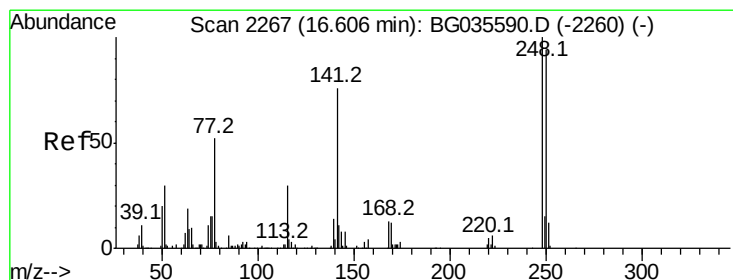
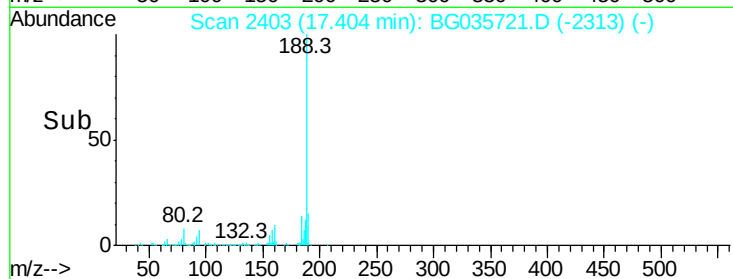
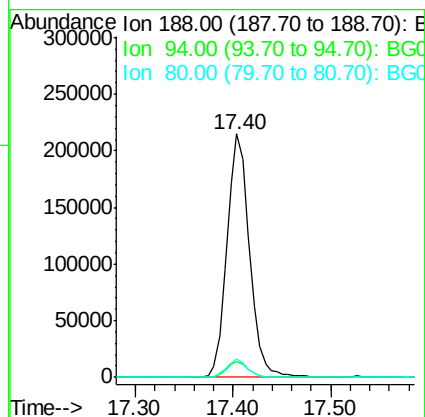
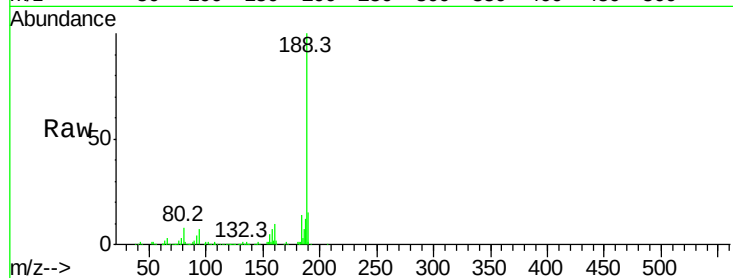




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2403
Delta R.T. -0.00 min
Lab File: BG035721.D
Acq: 18 Jul 2018 17:36

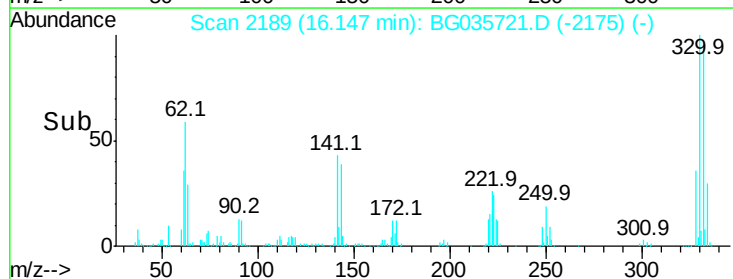
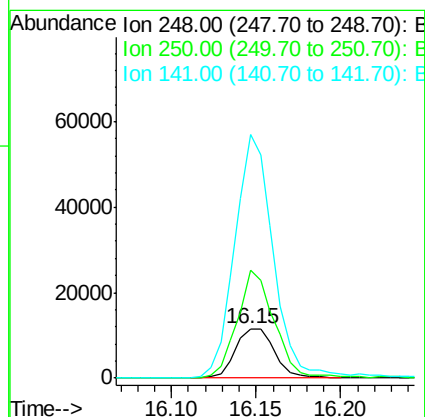
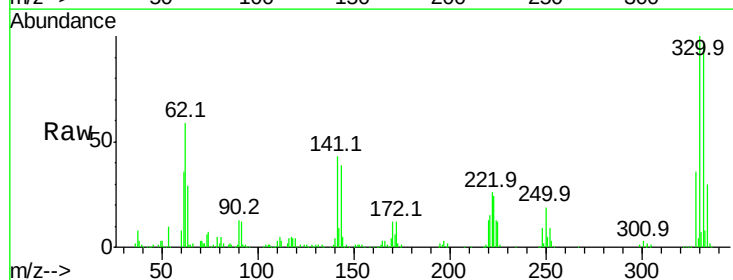
Instrument :
BNA_G
ClientSampled :

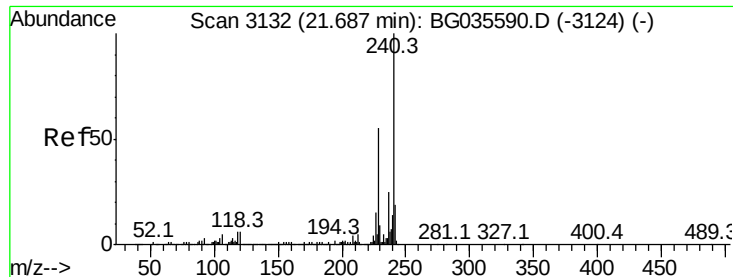
Tot Ion:188 Resp: 343514
Ion Ratio Lower Upper
188 100
94 6.5 6.9 10.3#
80 7.6 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 4.691 ng
RT: 16.15 min Scan# 2189
Delta R.T. -0.45 min
Lab File: BG035721.D
Acq: 18 Jul 2018 17:36

Tgt Ion:248 Resp: 18696
Ion Ratio Lower Upper
248 100
250 218.5 77.1 115.7#
141 491.9 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3129

Delta R.T. -0.01 min

Lab File: BG035721.D

Acq: 18 Jul 2018 17:36

Instrument :

BNA_G

ClientSampleId :

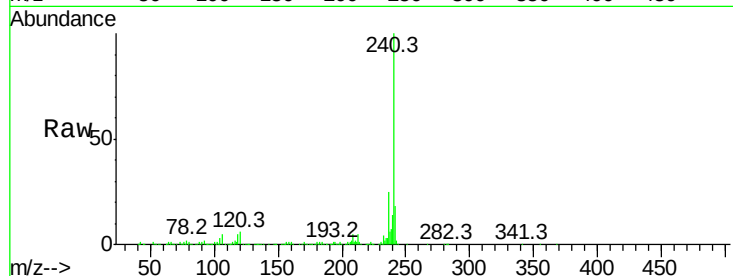
Tot Ion:240 Resp: 408876

Ion Ratio Lower Upper

240 100

120 5.7 6.8 10.2#

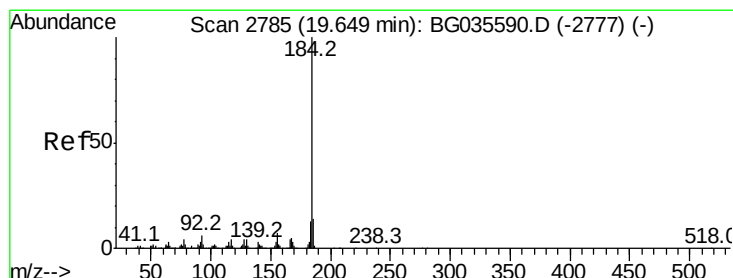
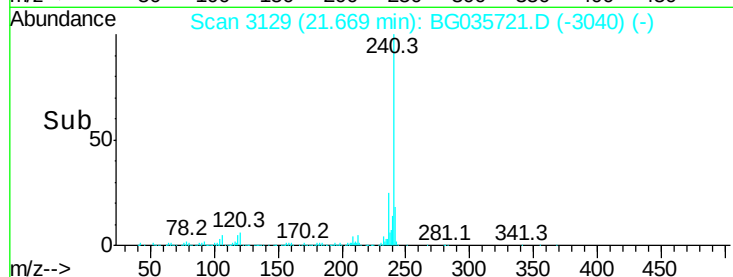
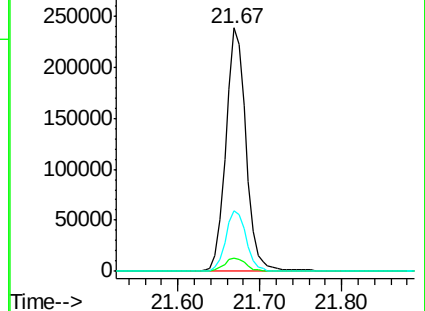
236 25.0 20.9 31.3



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: 2.816 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.38 min

Lab File: BG035721.D

Acq: 18 Jul 2018 17:36

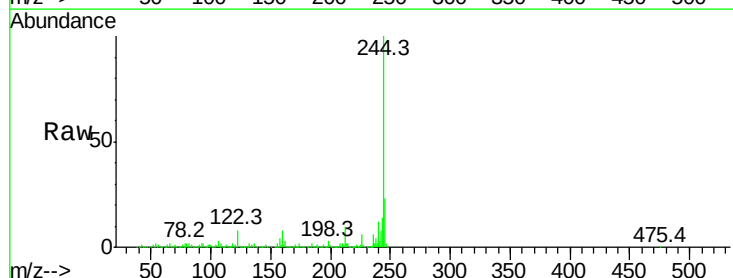
Tgt Ion:184 Resp: 30267

Ion Ratio Lower Upper

184 100

185 18.8 11.1 16.7#

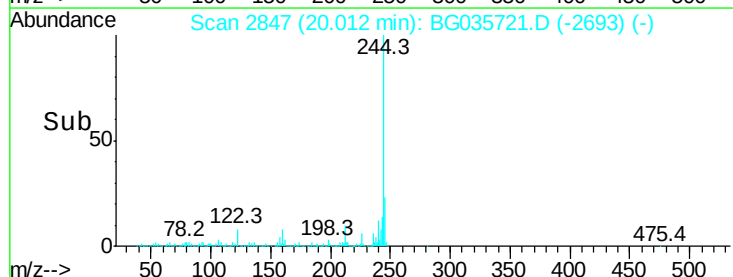
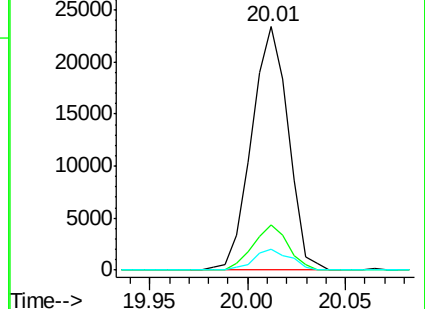
183 8.6 10.6 16.0#

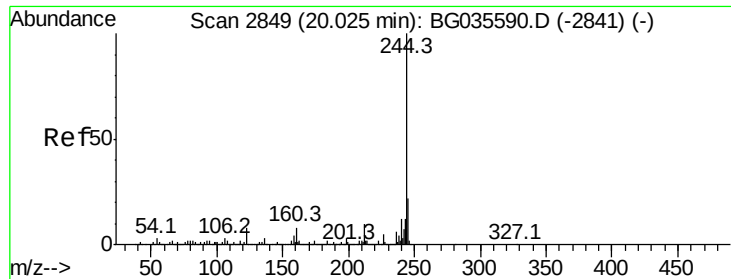


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

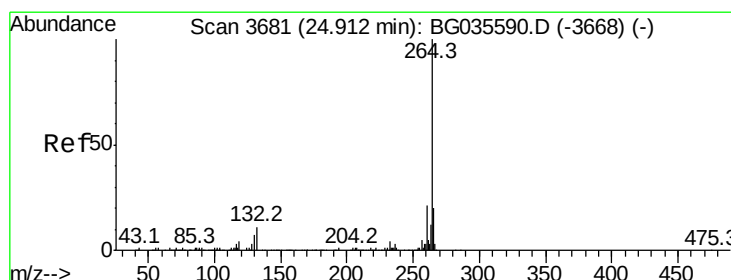
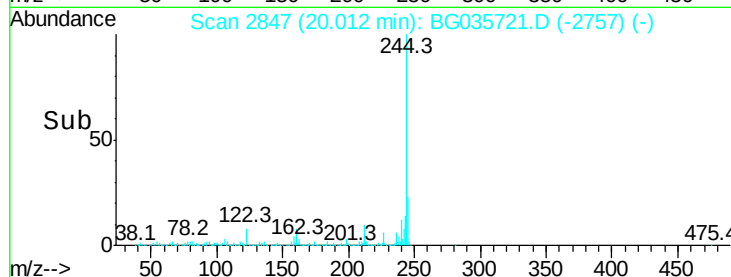
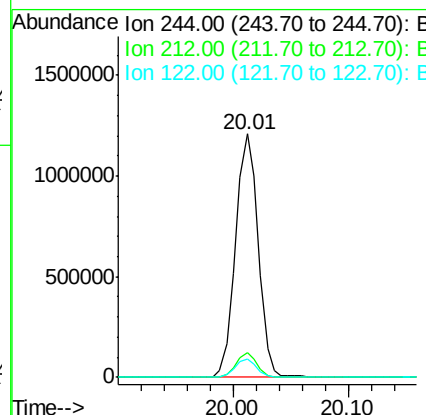
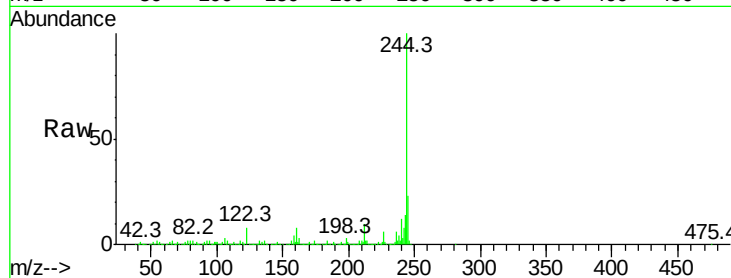




#78
 Terphenyl-d14
 Concen: 88.372 ng
 RT: 20.01 min Scan# 2847
 Delta R.T. -0.00 min
 Lab File: BG035721.D
 Acq: 18 Jul 2018 17:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1639206
 Ion Ratio Lower Upper
 244 100
 212 9.9 5.8 8.8#
 122 7.6 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.88 min Scan# 3676
 Delta R.T. -0.00 min
 Lab File: BG035721.D
 Acq: 18 Jul 2018 17:36

Tgt Ion:264 Resp: 388252
 Ion Ratio Lower Upper
 264 100
 260 23.1 17.4 26.0
 265 21.7 17.7 26.5

