

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071818\
 Data File : BG035743.D
 Acq On : 19 Jul 2018 8:12
 Operator : JU/SJ
 Sample : J4016-21
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 19 08:48:18 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

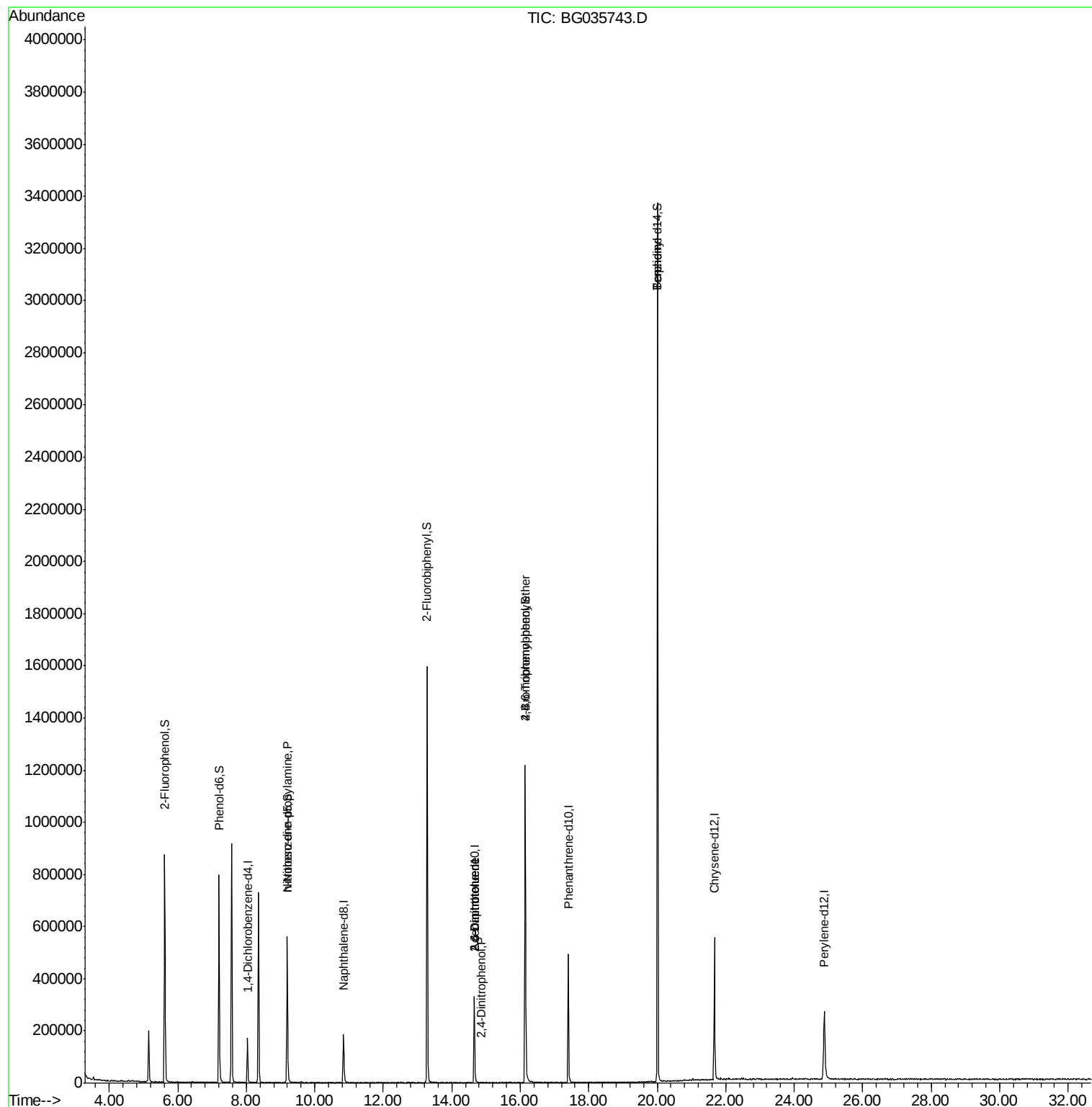
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	48146	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	170507	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	117022	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	327059	20.00	ng	0.00
75) Chrysene-d12	21.67	240	363007	20.00	ng	0.00
86) Perylene-d12	24.88	264	336850	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	377091	130.03	ng	0.00
7) Phenol-d6	7.21	99	471767	109.04	ng	0.00
23) Nitrobenzene-d5	9.20	82	383953	94.07	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	235332	152.57	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	872118	99.85	ng	0.00
78) Terphenyl-d14	20.01	244	1644494	99.86	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	52614	14.441	ng	# 70
50) 2,6-Dinitrotoluene	14.66	165	15798	7.567	ng	# 21
53) 2,4-Dinitrophenol	14.86	184	75	6.646	ng	# 1
56) 2,4-Dinitrotoluene	14.66	165	15798	5.274	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	19311	5.089	ng	# 1
76) Benzidine	20.01	184	28960	3.035	ng	# 92

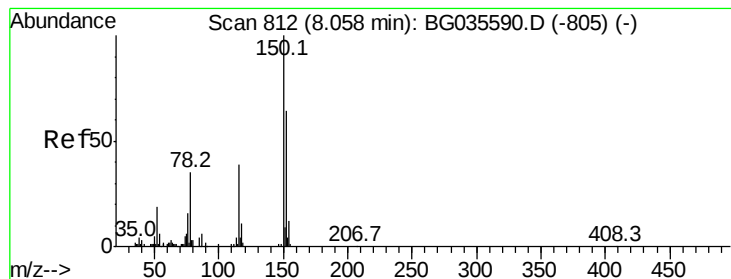
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
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QLast Update : Wed Jul 18 17:45:13 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 808

Delta R.T. -0.01 min

Lab File: BG035743.D

Acq: 19 Jul 2018 8:12

Instrument :

BNA_G

ClientSampleId :

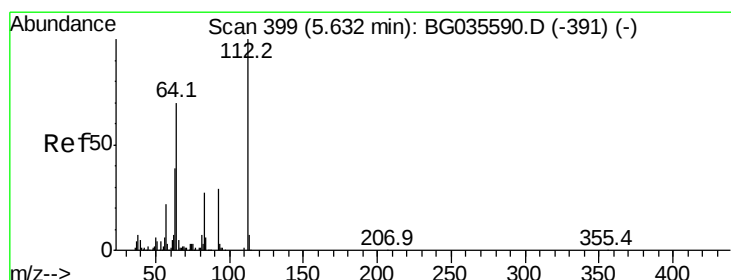
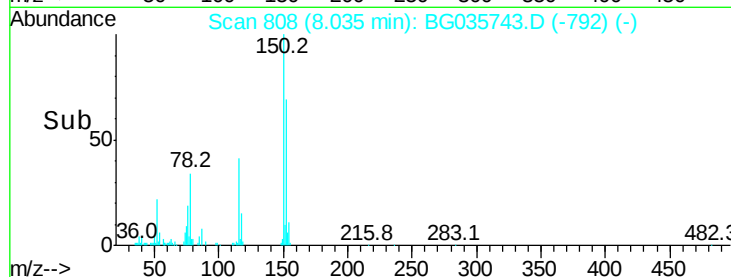
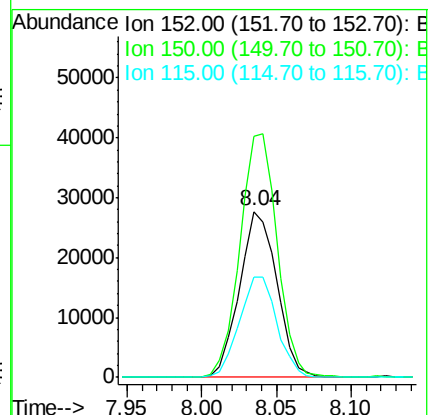
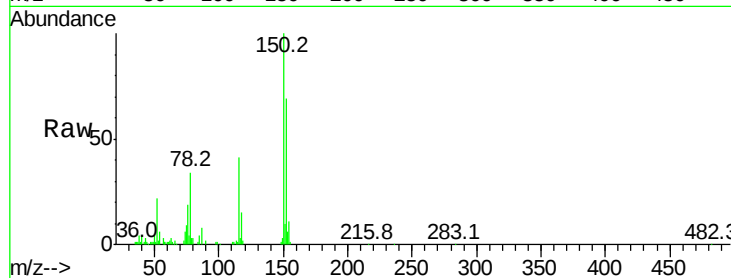
Tot Ion:152 Resp: 48146

Ion Ratio Lower Upper

152 100

150 145.7 126.6 189.8

115 60.3 53.0 79.4



#5

2-Fluorophenol

Concen: 130.034 ng

RT: 5.62 min Scan# 397

Delta R.T. 0.00 min

Lab File: BG035743.D

Acq: 19 Jul 2018 8:12

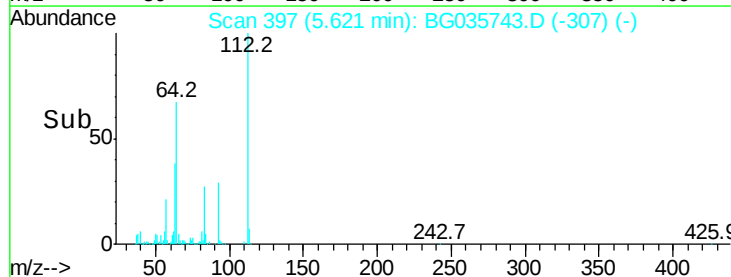
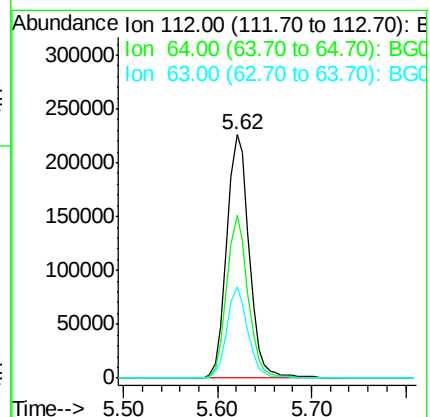
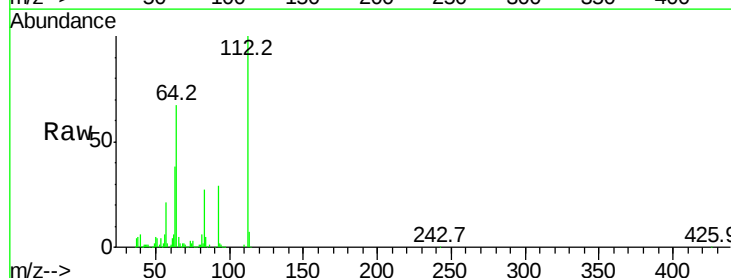
Tgt Ion:112 Resp: 377091

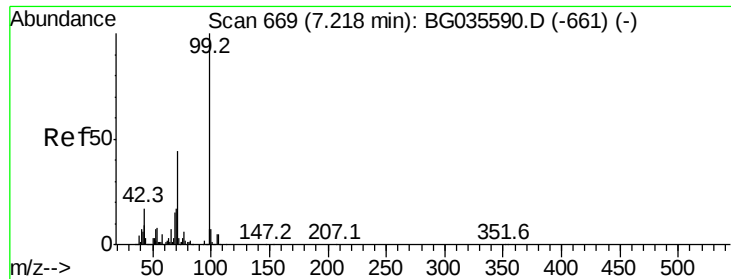
Ion Ratio Lower Upper

112 100

64 66.9 56.3 84.5

63 37.7 30.1 45.1





#7

Phenol-d6

Concen: 109.036 ng

RT: 7.21 min Scan# 667

Delta R.T. 0.00 min

Lab File: BG035743.D

Acq: 19 Jul 2018 8:12

Instrument :

BNA_G

ClientSampleId :

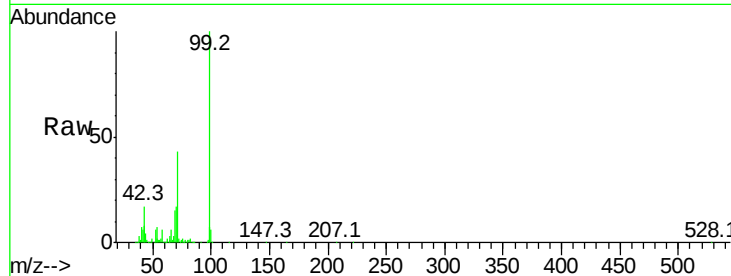
Tot Ion: 99 Resp: 471767

Ion Ratio Lower Upper

99 100

42 16.9 14.1 21.1

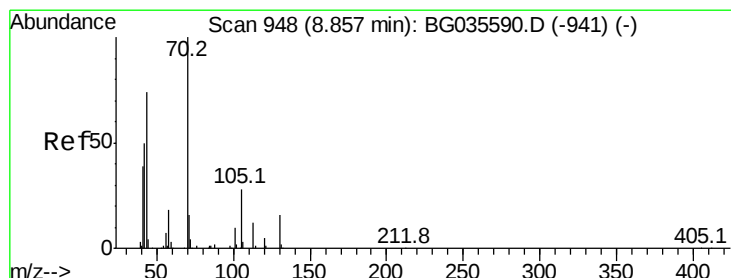
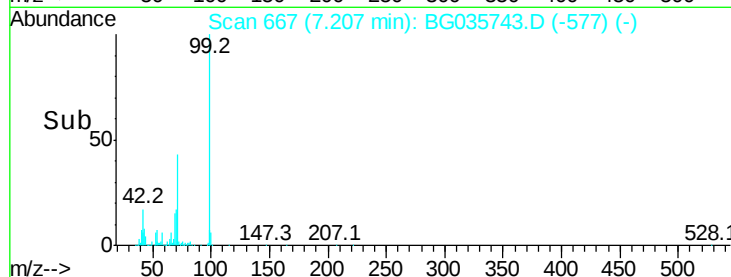
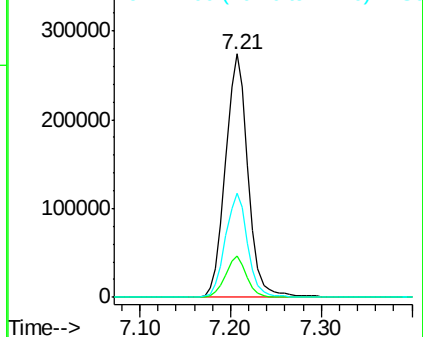
71 42.8 26.1 39.1#



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: 14.441 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.36 min

Lab File: BG035743.D

Acq: 19 Jul 2018 8:12

Tgt Ion: 70 Resp: 52614

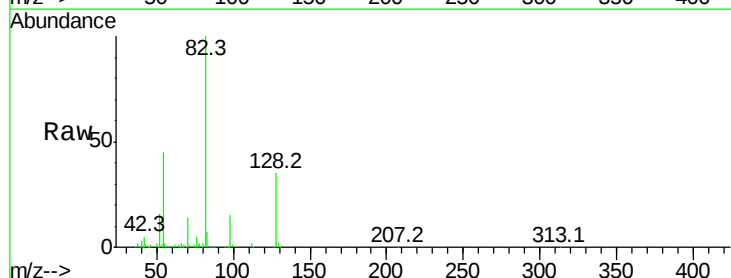
Ion Ratio Lower Upper

70 100

42 38.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

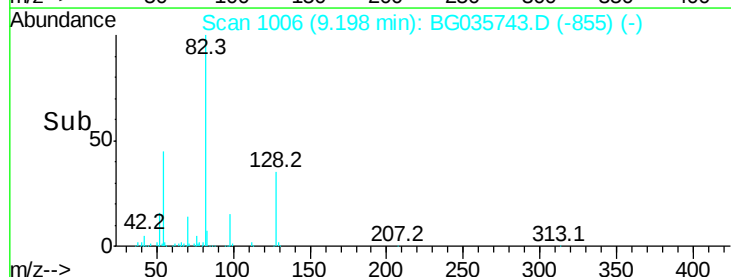
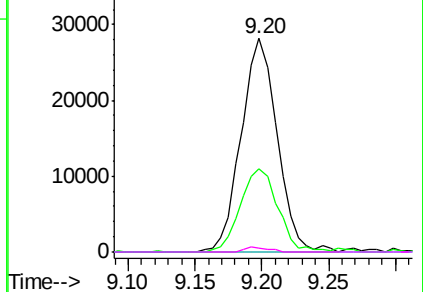


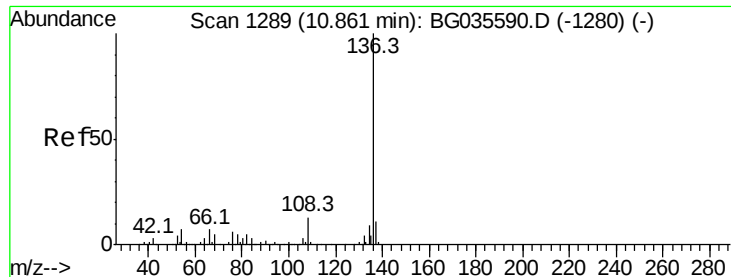
Abundance Ion 70.00 (69.70 to 70.70): BGC

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. -0.01 min

Lab File: BG035743.D

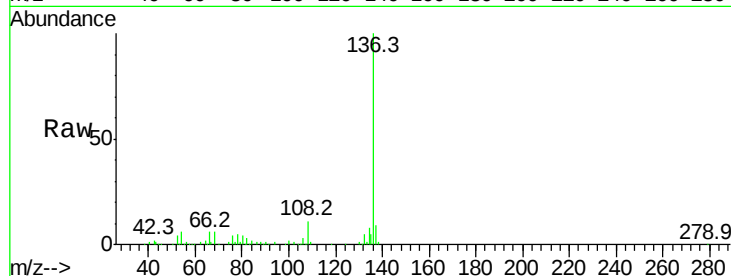
Acq: 19 Jul 2018 8:12

Instrument :

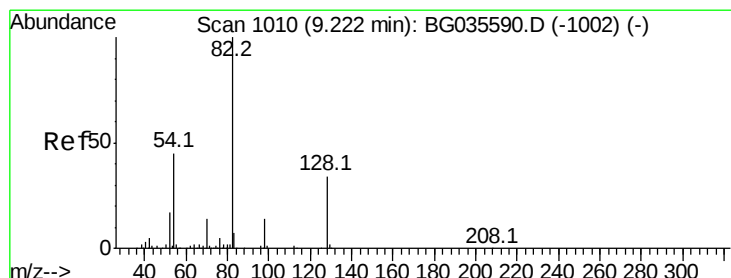
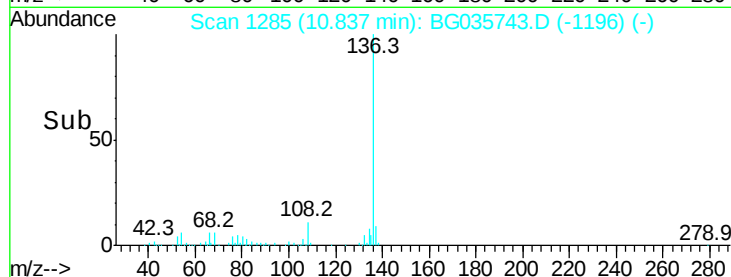
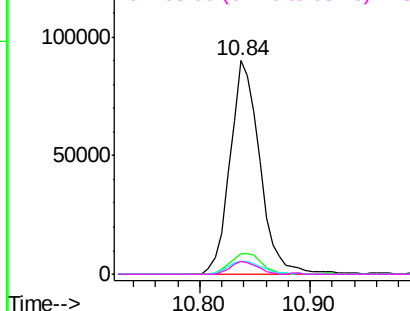
BNA_G

ClientSampleId :

Tot Ion:	136	Resp:	170507
Ion	Ratio	Lower	Upper
136	100		
137	9.3	9.2	13.8
54	5.9	10.3	15.5#
68	6.0	4.5	6.7



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: 94.070 ng

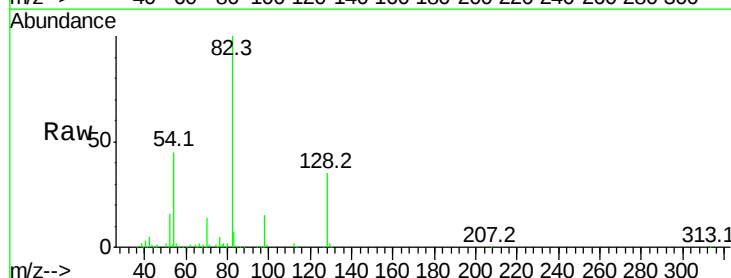
RT: 9.20 min Scan# 1006

Delta R.T. 0.00 min

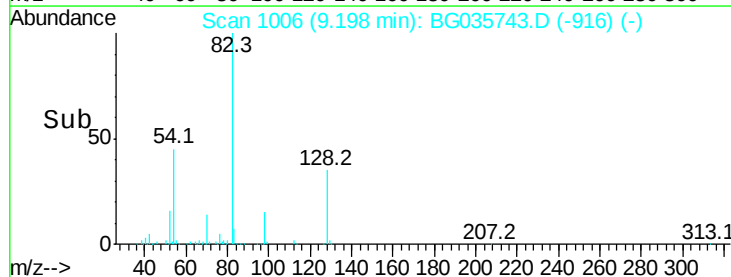
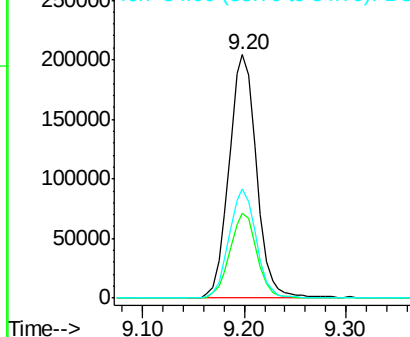
Lab File: BG035743.D

Acq: 19 Jul 2018 8:12

Tgt Ion:	82	Resp:	383953
Ion	Ratio	Lower	Upper
82	100		
128	35.0	29.7	44.5
54	45.0	43.1	64.7



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: 14.66 min Scan# 1936

Delta R.T. 0.00 min

Lab File: BG035743.D

Acq: 19 Jul 2018 8:12

Instrument :

BNA_G

ClientSampleId :

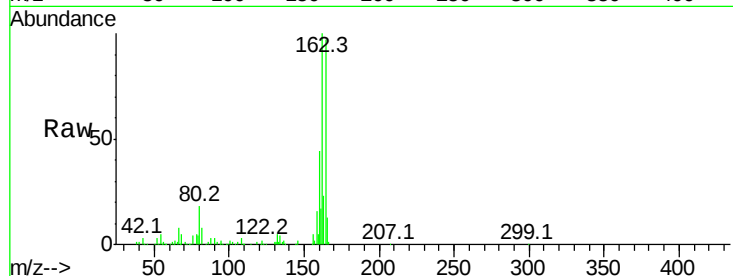
Tot Ion:164 Resp: 117022

Ion Ratio Lower Upper

164 100

162 103.4 78.8 118.2

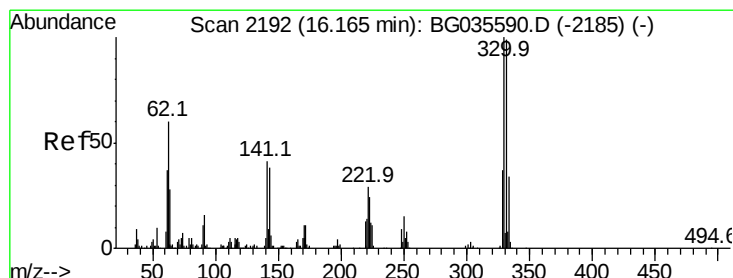
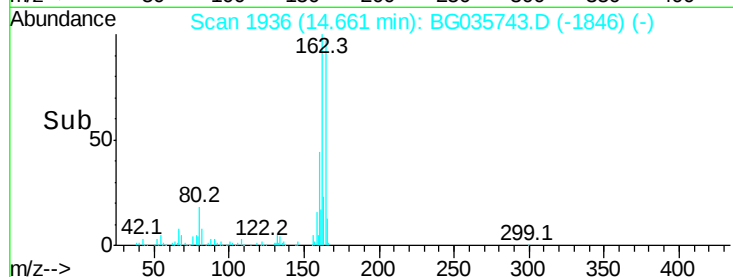
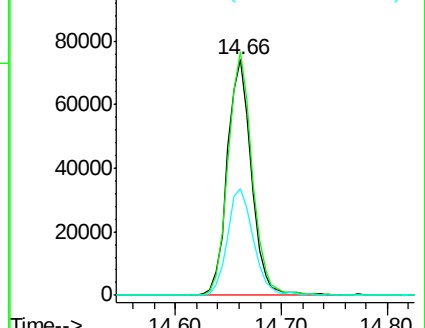
160 45.1 35.4 53.0



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: 152.573 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.01 min

Lab File: BG035743.D

Acq: 19 Jul 2018 8:12

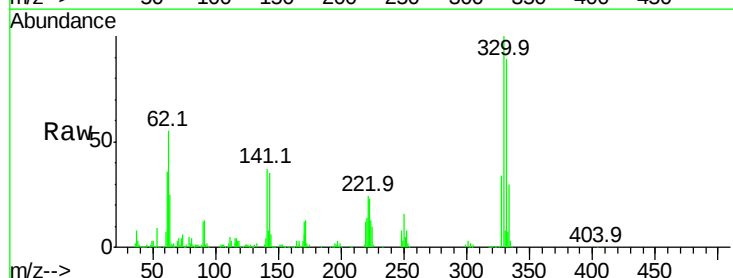
Tgt Ion:330 Resp: 235332

Ion Ratio Lower Upper

330 100

332 94.0 77.0 115.6

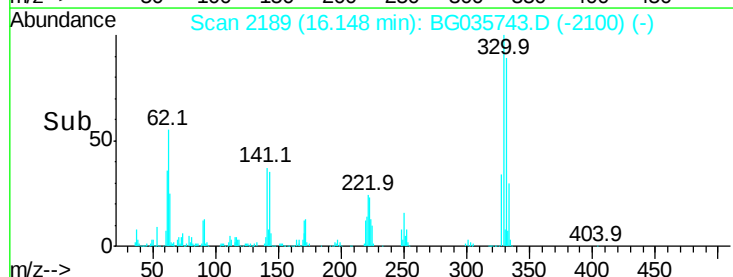
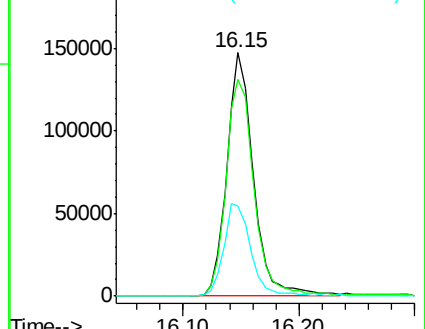
141 38.7 25.2 37.8#

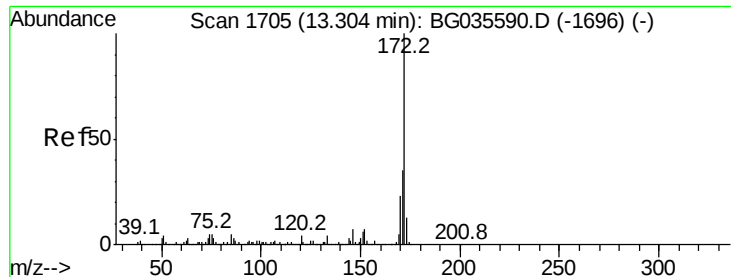


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

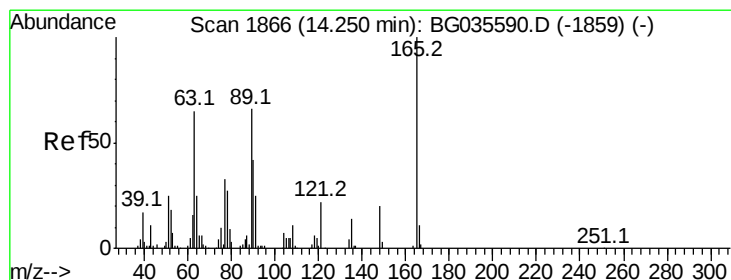
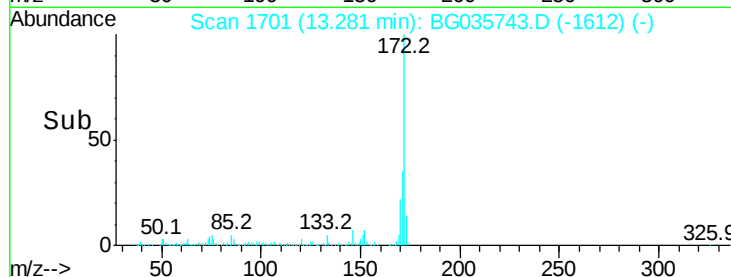
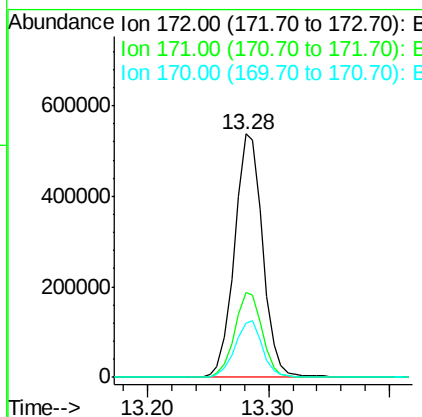
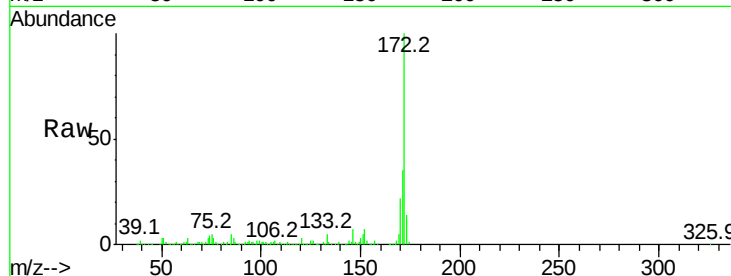




#44
2-Fluorobiphenyl
Concen: 99.846 ng
RT: 13.28 min Scan# 1701
Delta R.T. -0.01 min
Lab File: BG035743.D
Acq: 19 Jul 2018 8:12

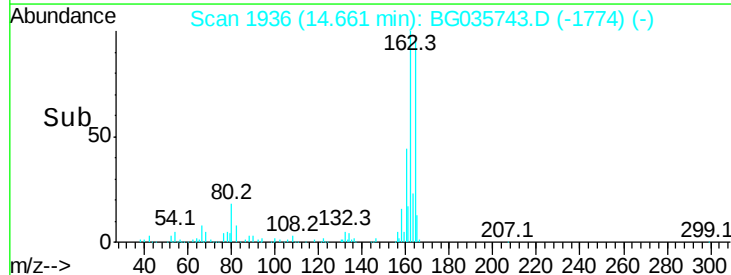
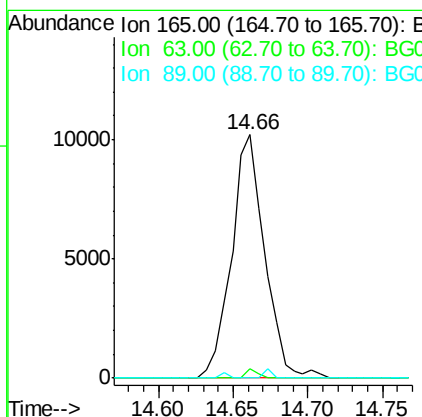
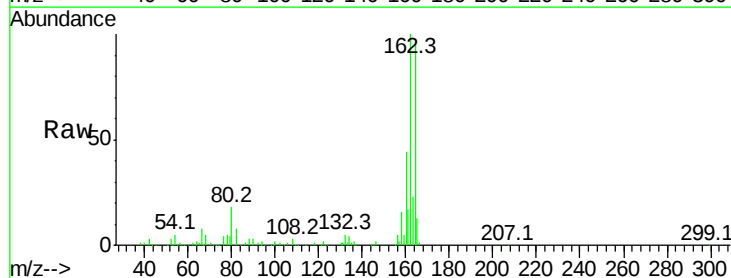
Instrument :
BNA_G
ClientSampleId :

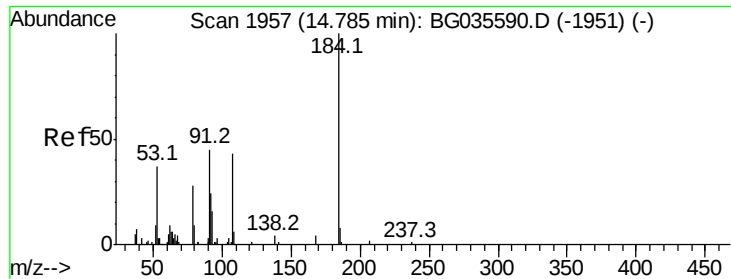
Tot Ion:172 Resp: 872118
Ion Ratio Lower Upper
172 100
171 34.7 30.0 45.0
170 22.3 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.567 ng
RT: 14.66 min Scan# 1936
Delta R.T. 0.42 min
Lab File: BG035743.D
Acq: 19 Jul 2018 8:12

Tgt Ion:165 Resp: 15798
Ion Ratio Lower Upper
165 100
63 3.6 52.7 79.1#
89 0.0 49.2 73.8#

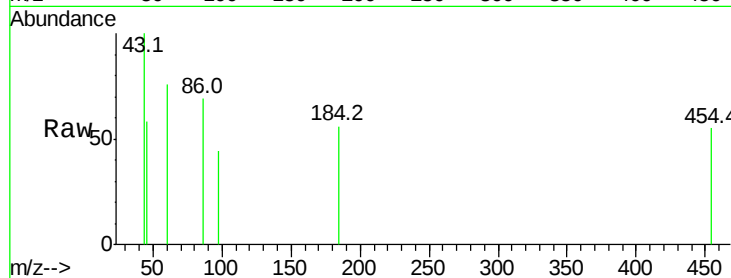




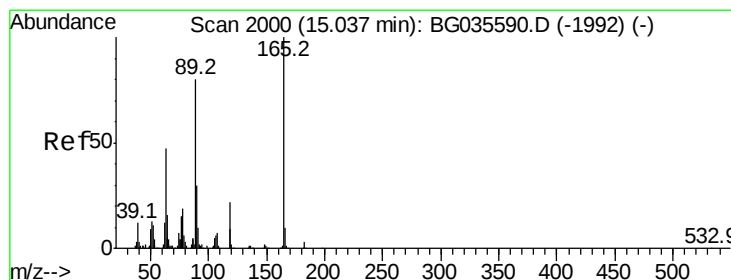
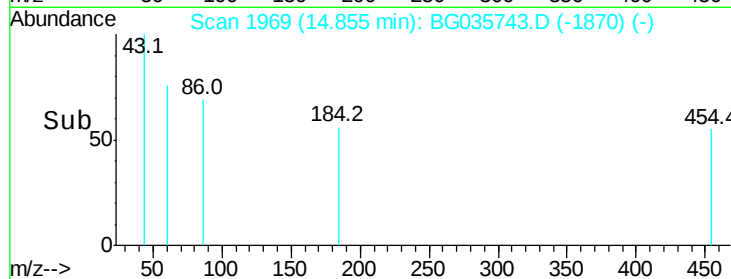
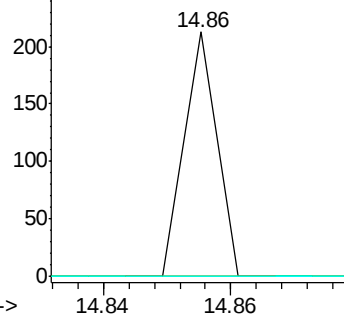
#53
2,4-Dinitrophenol
Concen: 6.646 ng
RT: 14.86 min Scan# 1969
Delta R.T. 0.05 min
Lab File: BG035743.D
Acq: 19 Jul 2018 8:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 75
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#

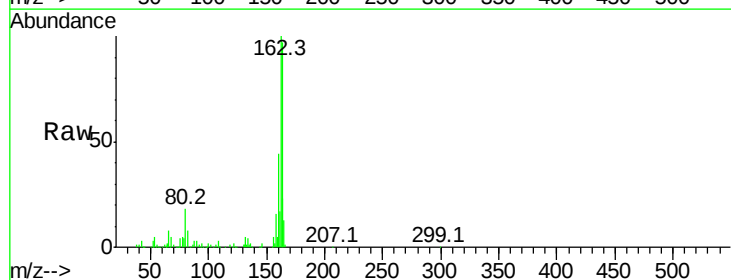


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

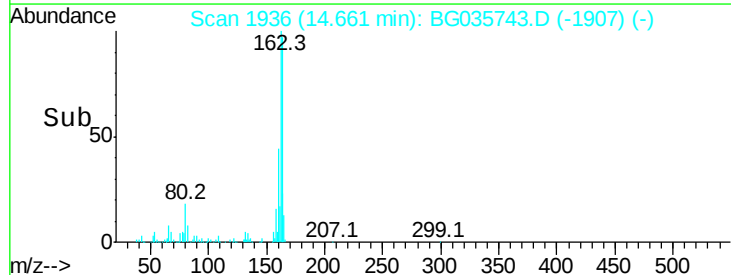
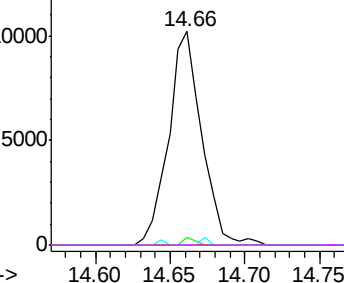


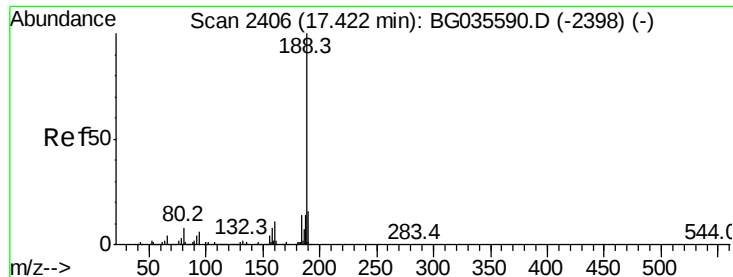
#56
2,4-Dinitrotoluene
Concen: 5.274 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.36 min
Lab File: BG035743.D
Acq: 19 Jul 2018 8:12

Tgt Ion:165 Resp: 15798
Ion Ratio Lower Upper
165 100
63 3.6 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# 2403

Delta R.T. 0.00 min

Lab File: BG035743.D

Acq: 19 Jul 2018 8:12

Instrument :

BNA_G

ClientSampled :

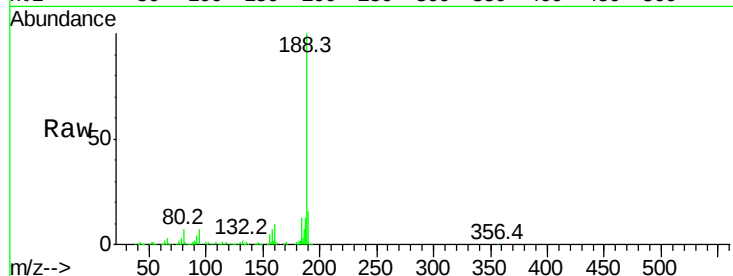
Tot Ion:188 Resp: 327059

Ion Ratio Lower Upper

188 100

94 6.9 6.9 10.3

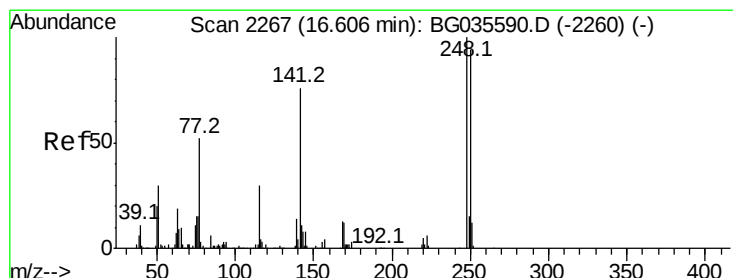
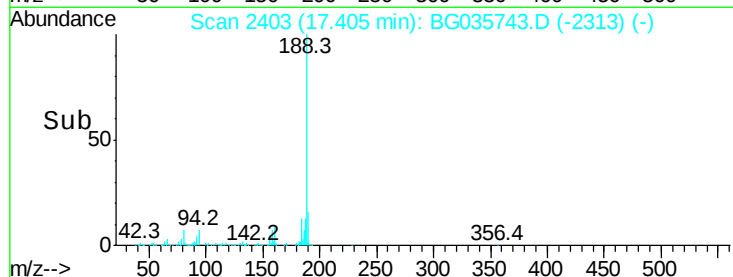
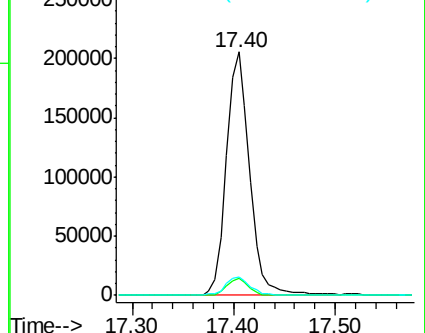
80 7.4 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#66

4-Bromophenyl-phenylether

Concen: 5.089 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.45 min

Lab File: BG035743.D

Acq: 19 Jul 2018 8:12

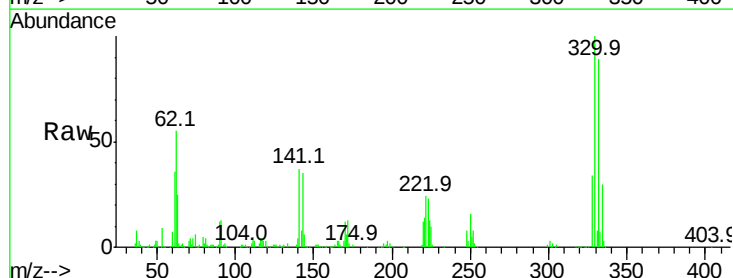
Tgt Ion:248 Resp: 19311

Ion Ratio Lower Upper

248 100

250 188.3 77.1 115.7#

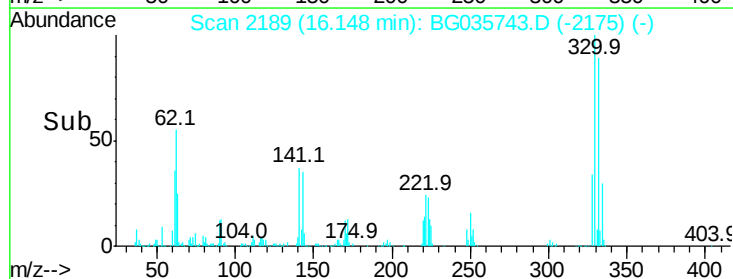
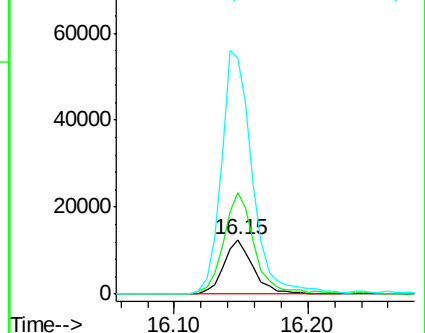
141 436.1 50.8 76.2#

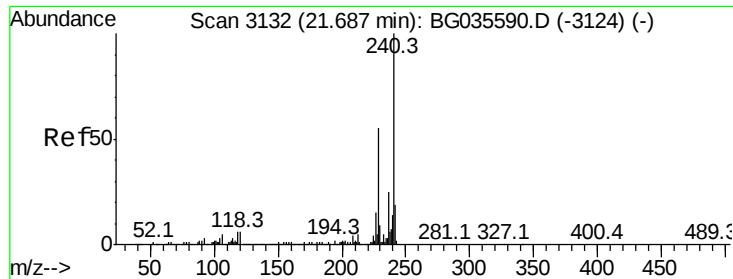


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3129

Delta R.T. -0.01 min

Lab File: BG035743.D

Acq: 19 Jul 2018 8:12

Instrument :

BNA_G

ClientSampleId :

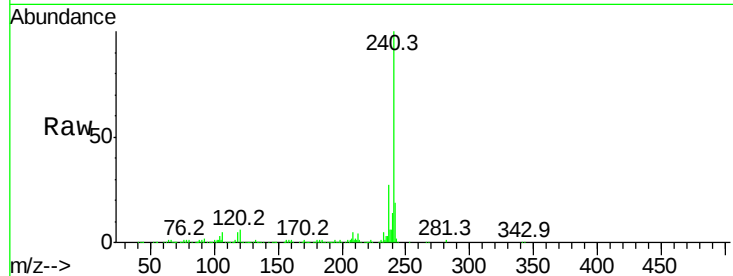
Tot Ion:240 Resp: 363007

Ion Ratio Lower Upper

240 100

120 5.7 6.8 10.2#

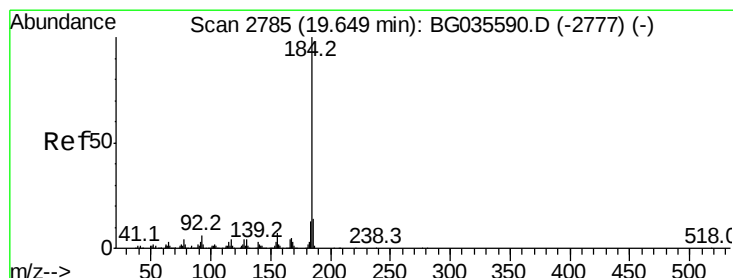
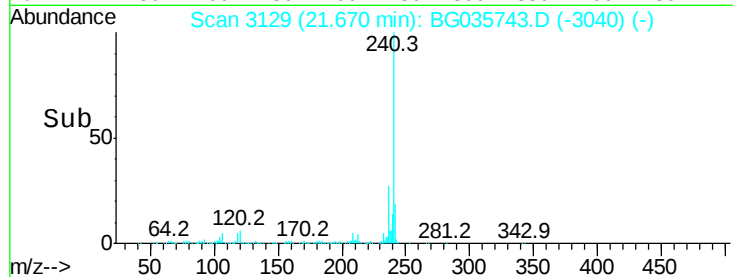
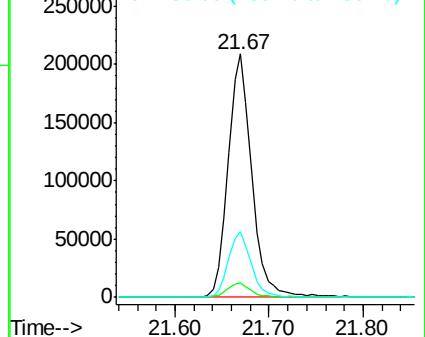
236 26.9 20.9 31.3



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: 3.035 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.38 min

Lab File: BG035743.D

Acq: 19 Jul 2018 8:12

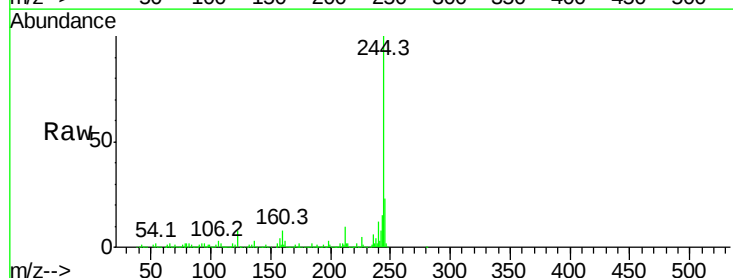
Tgt Ion:184 Resp: 28960

Ion Ratio Lower Upper

184 100

185 14.1 11.1 16.7

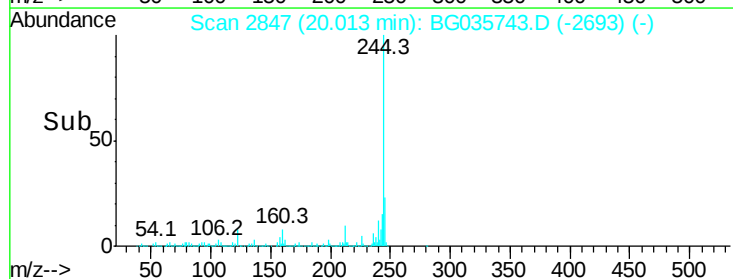
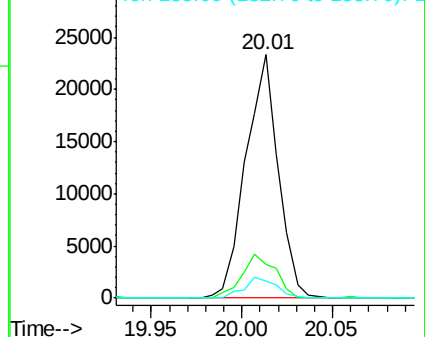
183 7.1 10.6 16.0#

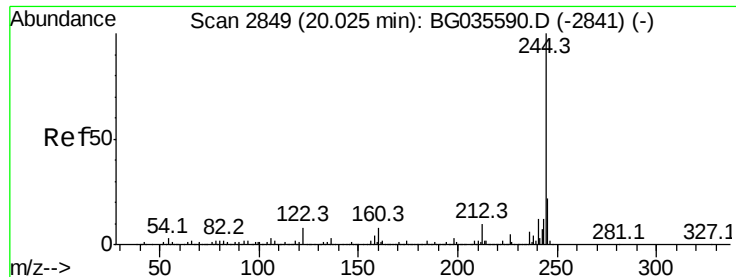


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 99.859 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.00 min

Lab File: BG035743.D

Acq: 19 Jul 2018 8:12

Instrument :

BNA_G

ClientSampleId :

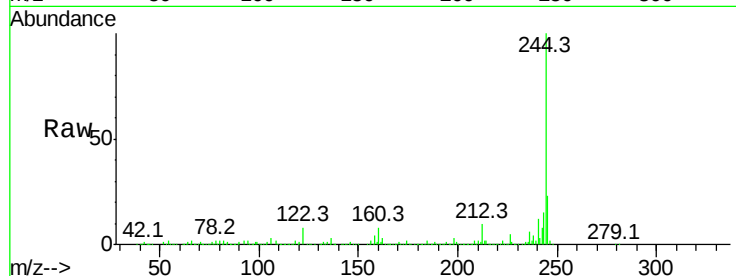
Tot Ion:244 Resp: 1644494

Ion Ratio Lower Upper

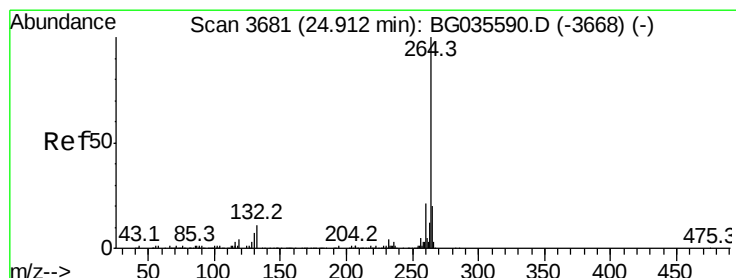
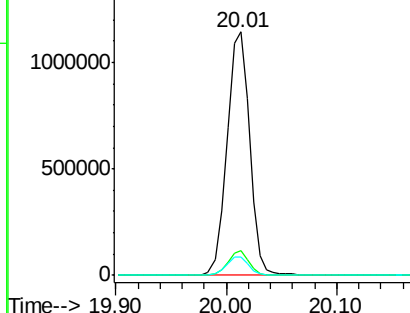
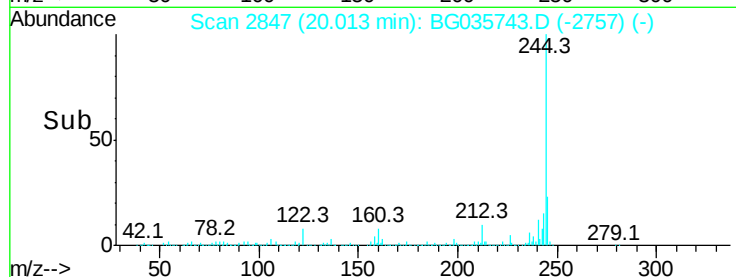
244 100

212 9.9 5.8 8.8#

122 7.7 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: 24.88 min Scan# 3675

Delta R.T. -0.01 min

Lab File: BG035743.D

Acq: 19 Jul 2018 8:12

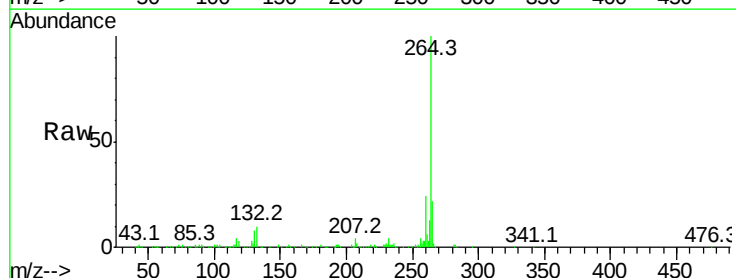
Tgt Ion:264 Resp: 336850

Ion Ratio Lower Upper

264 100

260 23.9 17.4 26.0

265 22.0 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

