

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071718\
 Data File : BG035703.D
 Acq On : 18 Jul 2018 5:07
 Operator : JU/SJ
 Sample : J3990-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 071218-DBRI-F-D-S

Quant Time: Jul 18 05:46:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

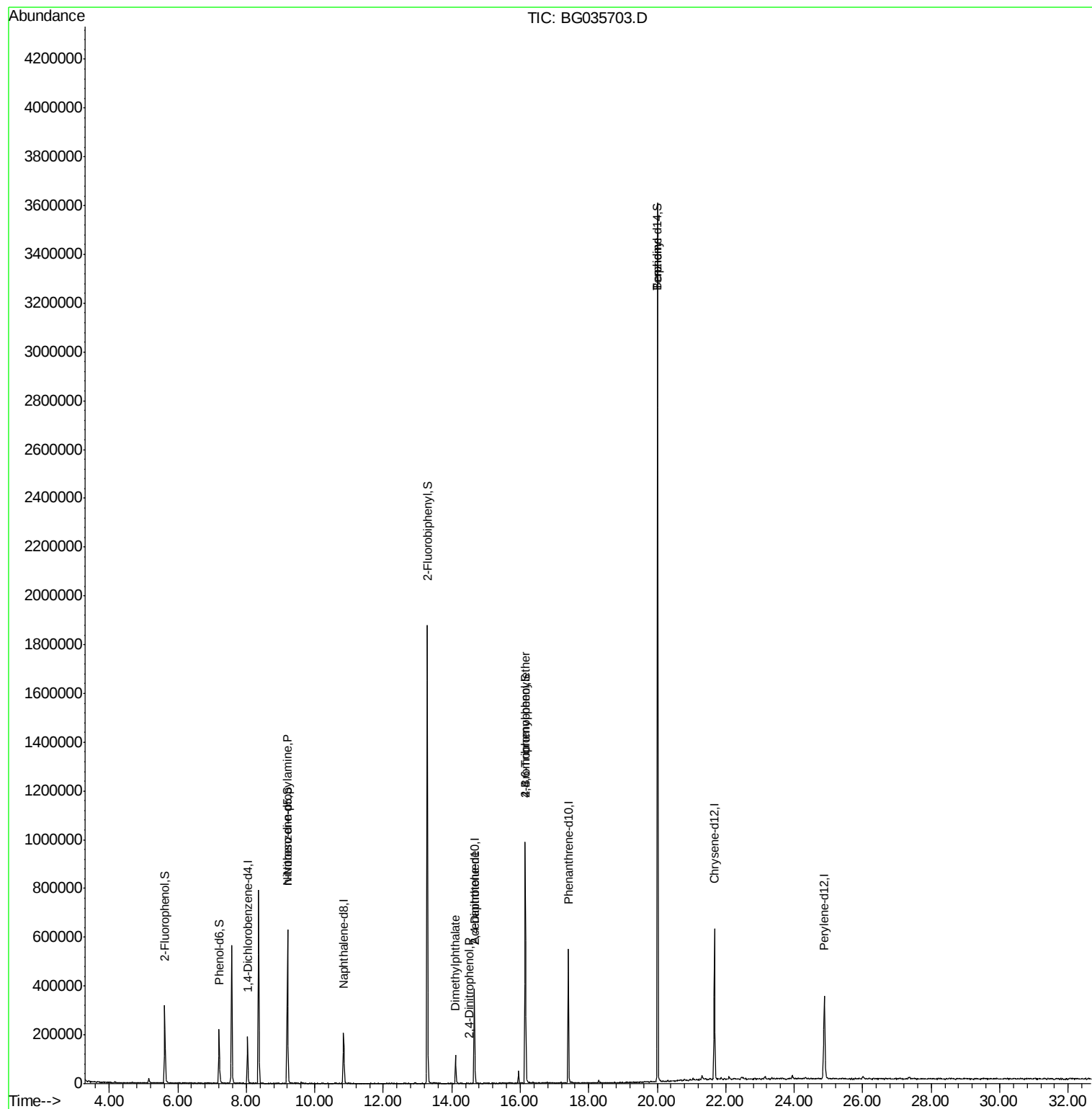
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	51343	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	184003	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	131315	20.00	ng	-0.02
63) Phenanthrene-d10	17.40	188	355598	20.00	ng	-0.02
75) Chrysene-d12	21.67	240	401300	20.00	ng	-0.02
86) Perylene-d12	24.88	264	377796	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	148187	47.92	ng	0.00
7) Phenol-d6	7.21	99	142498	30.88	ng	-0.01
23) Nitrobenzene-d5	9.20	82	441009	100.12	ng	-0.02
41) 2,4,6-Tribromophenol	16.15	330	179296	103.59	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	1001789	102.21	ng	-0.02
78) Terphenyl-d14	20.01	244	1661127	91.24	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	58490	15.054	ng	Qvalue # 70
49) Dimethylphthalate	14.11	163	89228	7.755	ng	# 97
53) 2,4-Dinitrophenol	14.51	184	53	6.623	ng	# 1
56) 2,4-Dinitrotoluene	14.66	165	17907	5.328	ng	# 19
66) 4-Bromophenyl-phenylether	16.15	248	15500	3.757	ng	# 1
76) Benzidine	20.01	184	29861	2.830	ng	# 90

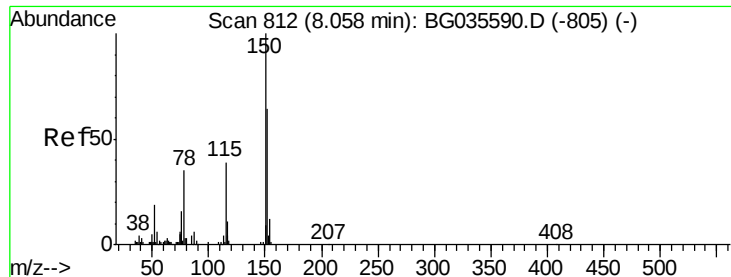
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 12 14:43:32 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 809

Delta R.T. -0.02 min

Lab File: BG035703.D

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Instrument :

BNA_G

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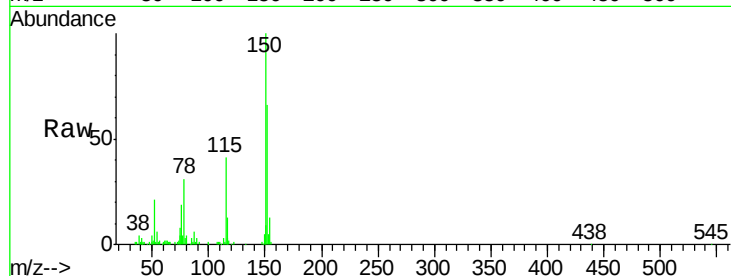
Tgt Ion:152 Resp: 51343

Ion Ratio Lower Upper

152 100

150 152.5 126.6 189.8

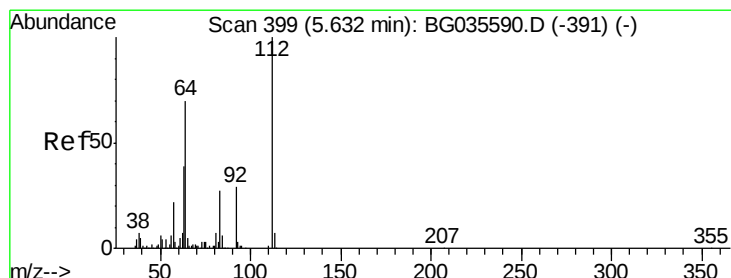
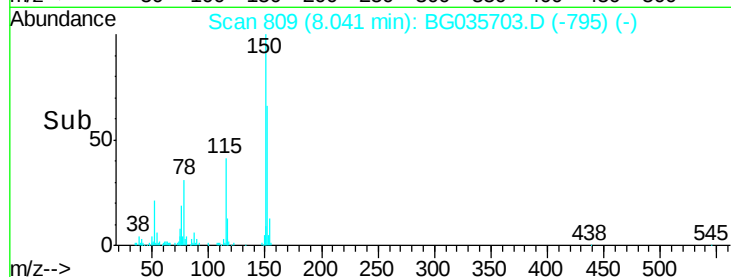
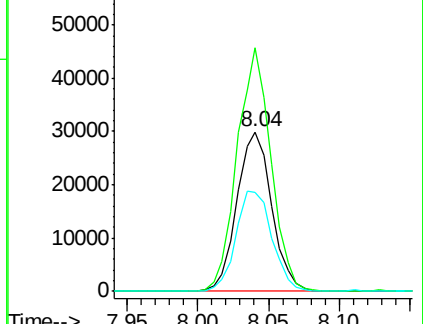
115 62.3 53.0 79.4



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: 47.918 ng

RT: 5.63 min Scan# 398

Delta R.T. -0.01 min

Lab File: BG035703.D

Acq: 18 Jul 2018 5:07

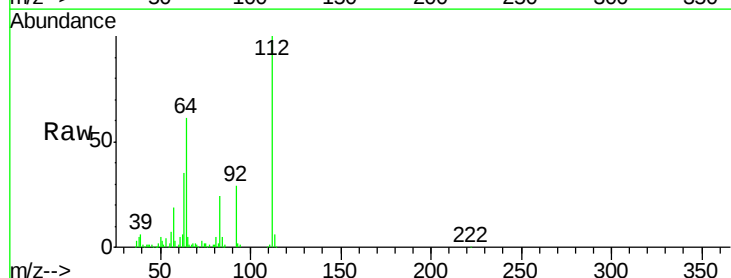
Tgt Ion:112 Resp: 148187

Ion Ratio Lower Upper

112 100

64 61.3 56.3 84.5

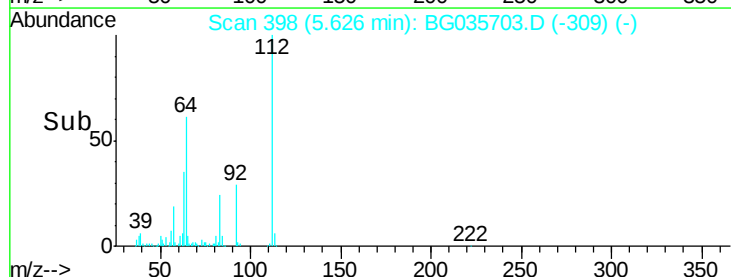
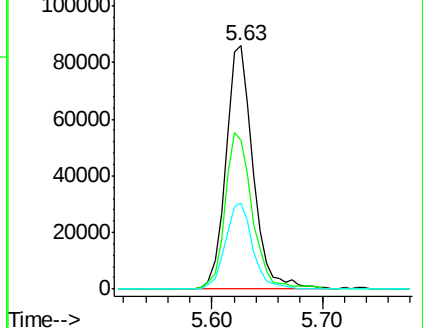
63 35.4 30.1 45.1

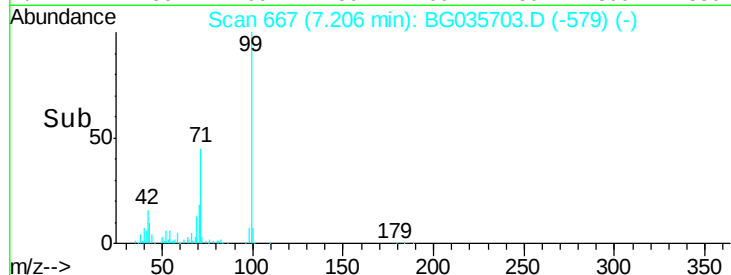
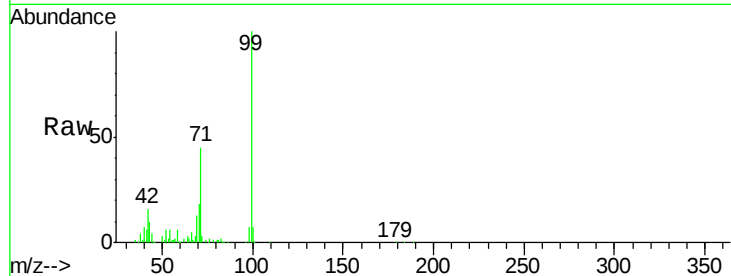
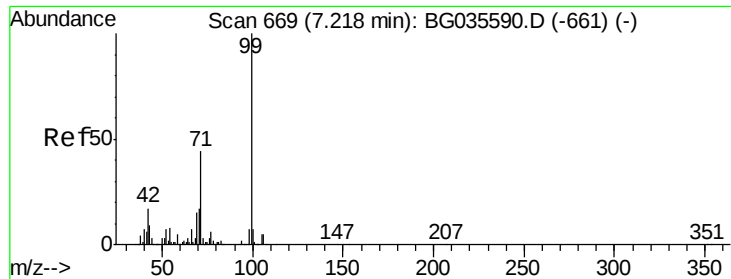


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 30.884 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG035703.D

Acq: 18 Jul 2018 5:07

Instrument :

BNA_G

ClientSampleId :

071218-DBRI-F-D-S

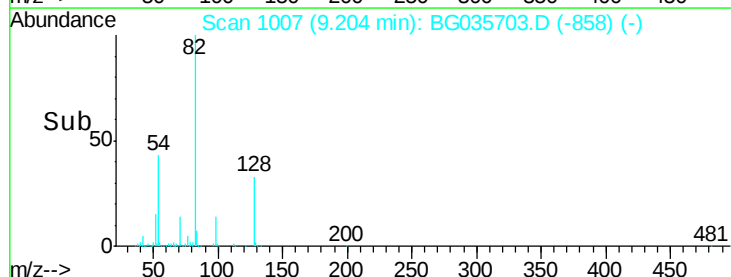
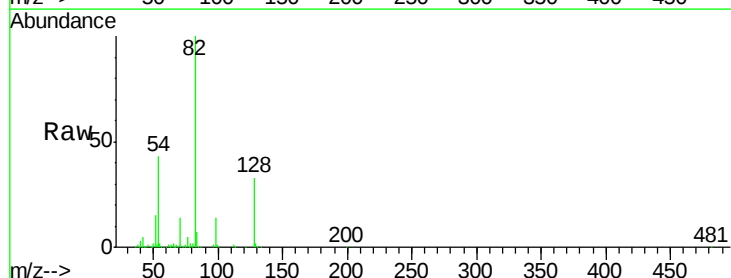
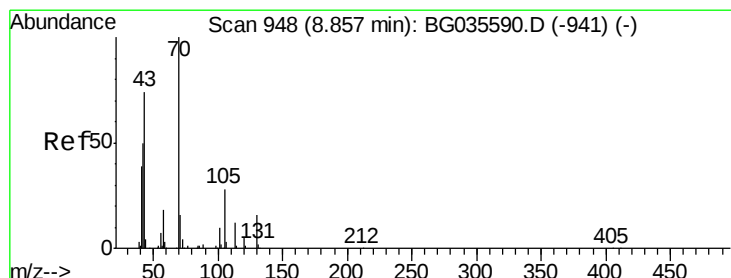
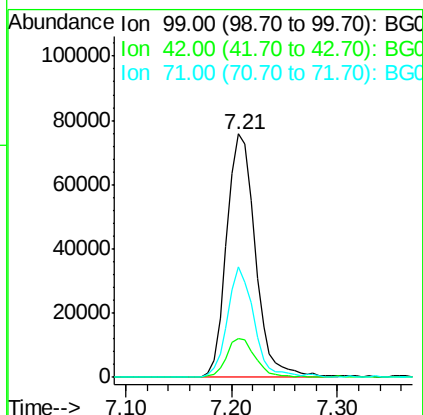
Tgt Ion: 99 Resp: 142498

Ion Ratio Lower Upper

99 100

42 16.1 14.1 21.1

71 45.2 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.054 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG035703.D

Acq: 18 Jul 2018 5:07

Tgt Ion: 70 Resp: 58490

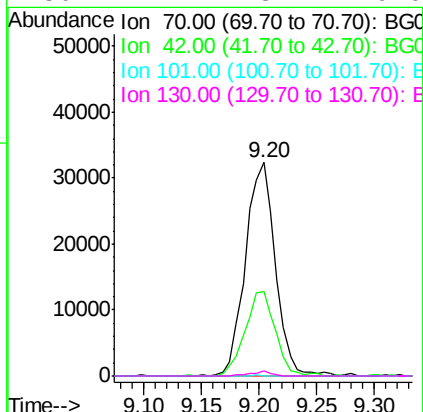
Ion Ratio Lower Upper

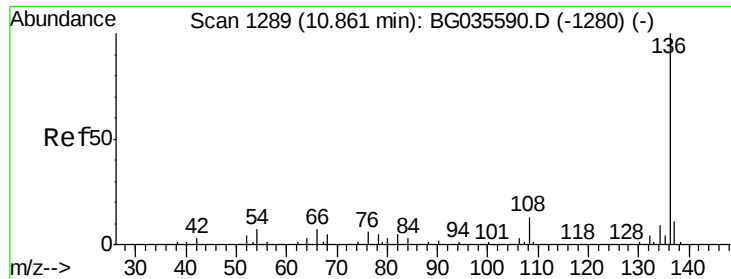
70 100

42 39.4 49.1 73.7#

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#

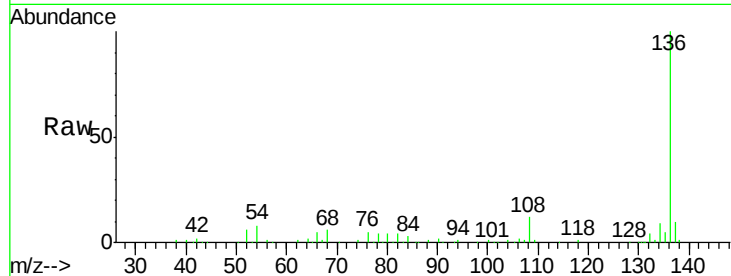




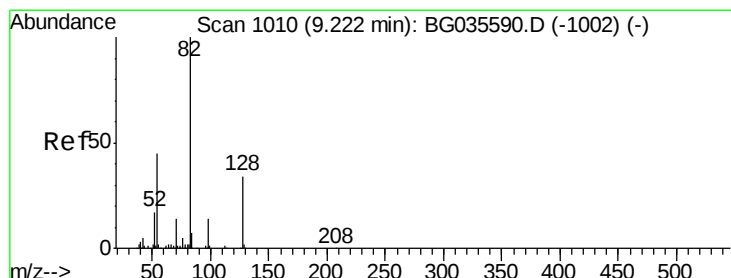
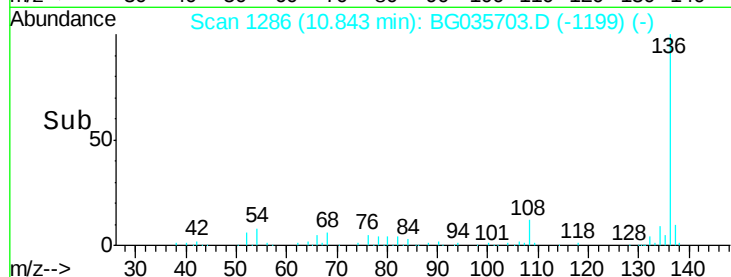
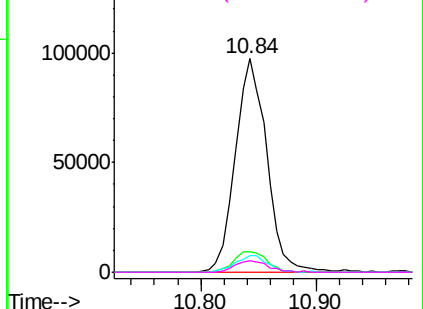
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BG035703.D
Acq: 18 Jul 2018 5:07

Instrument :
BNA_G
ClientSampleId :
071218-DBRI-F-D-S

Tgt Ion:	136	Resp:	184003
Ion Ratio	Lower	Upper	
136	100		
137	9.7	9.2	13.8
54	7.6	10.3	15.5#
68	5.5	4.5	6.7

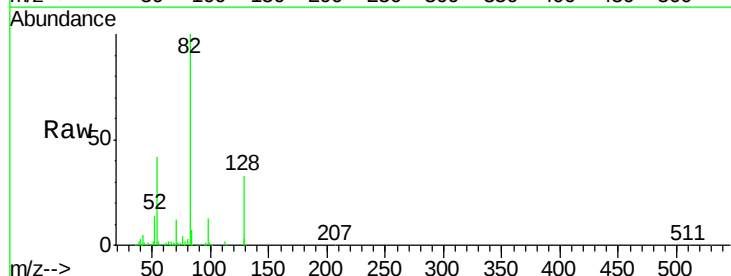


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

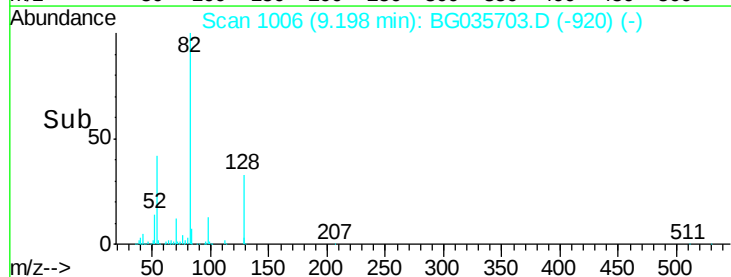
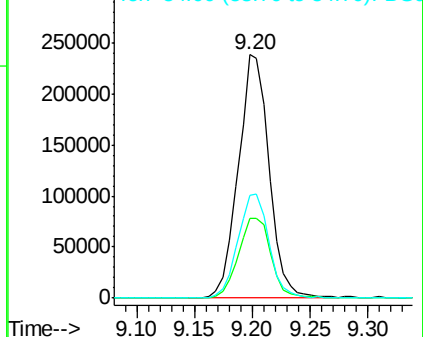


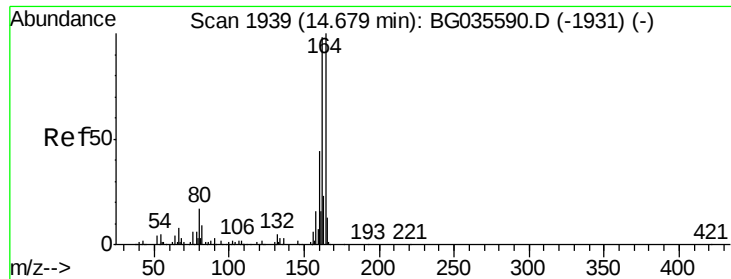
#23
Nitrobenzene-d5
Concen: 100.124 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.02 min
Lab File: BG035703.D
Acq: 18 Jul 2018 5:07

Tgt Ion:	82	Resp:	441009
Ion Ratio	Lower	Upper	
82	100		
128	33.0	29.7	44.5
54	42.2	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BG035703.D

Acq: 18 Jul 2018 5:07

Instrument :

BNA_G

ClientSampleId :

071218-DBRI-F-D-S

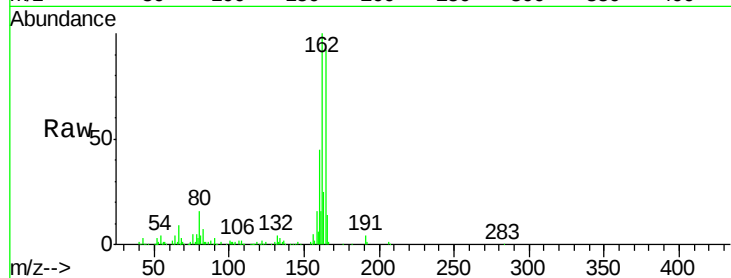
Tgt Ion:164 Resp: 131315

Ion Ratio Lower Upper

164 100

162 108.7 78.8 118.2

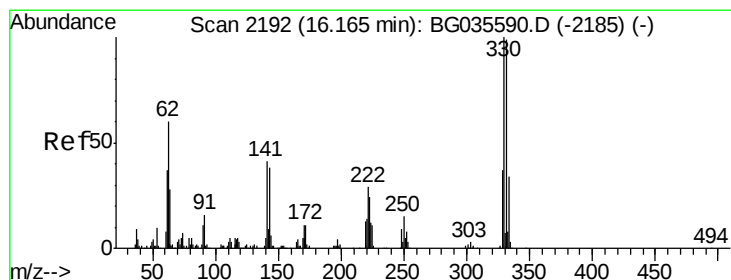
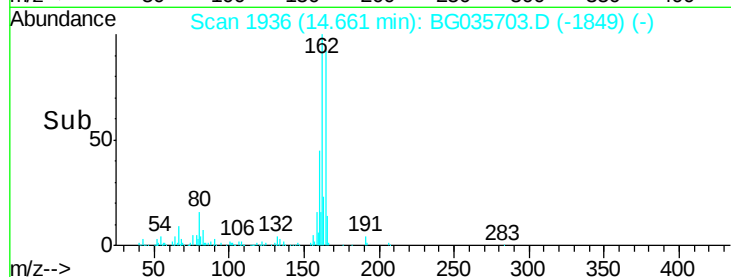
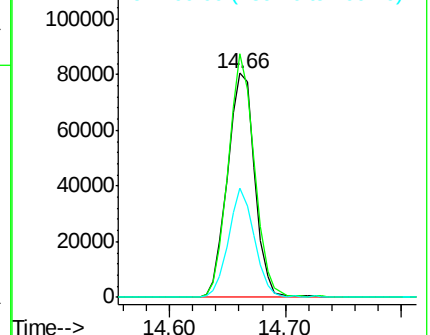
160 48.5 35.4 53.0



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: 103.590 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG035703.D

Acq: 18 Jul 2018 5:07

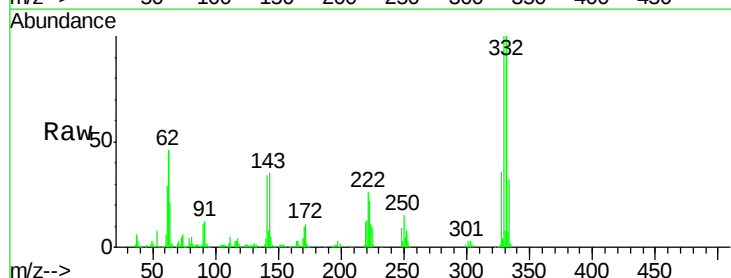
Tgt Ion:330 Resp: 179296

Ion Ratio Lower Upper

330 100

332 99.2 77.0 115.6

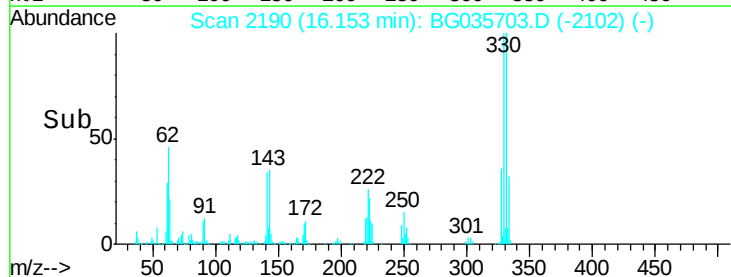
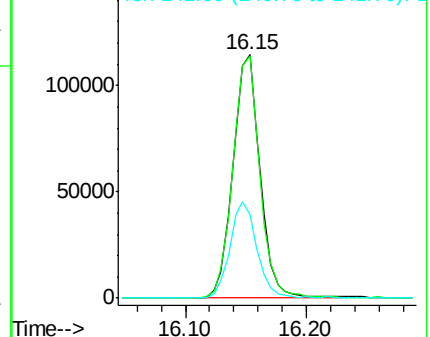
141 39.1 25.2 37.8#

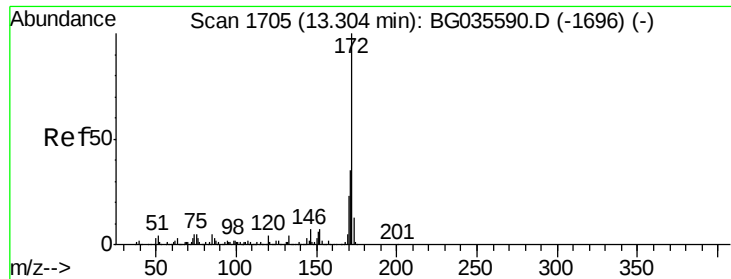


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 102.208 ng

RT: 13.29 min Scan# 1702

Delta R.T. -0.02 min

Lab File: BG035703.D

Acq: 18 Jul 2018 5:07

Instrument :

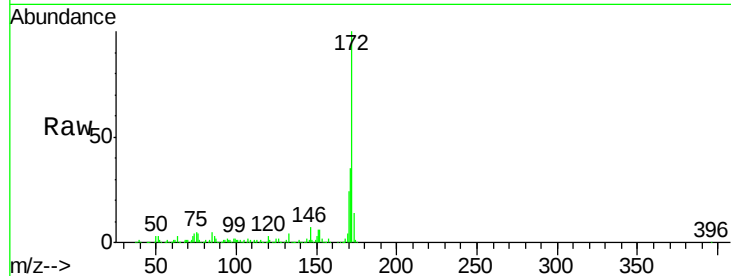
BNA_G

ClientSampleId :

071218-DBRI-F-D-S

Tgt Ion:172 Resp: 1001789

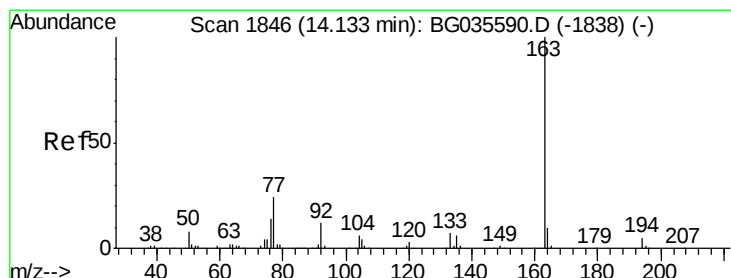
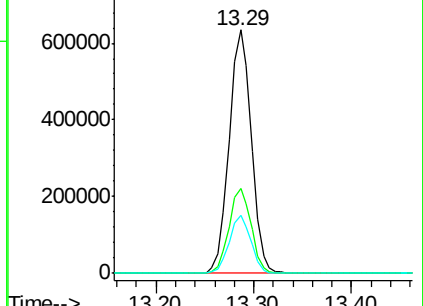
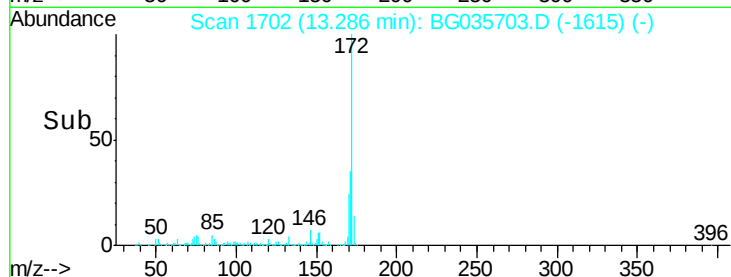
Ion	Ratio	Lower	Upper
172	100		
171	34.6	30.0	45.0
170	24.0	19.5	29.3



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



#49

Dimethylphthalate

Concen: 7.755 ng

RT: 14.11 min Scan# 1842

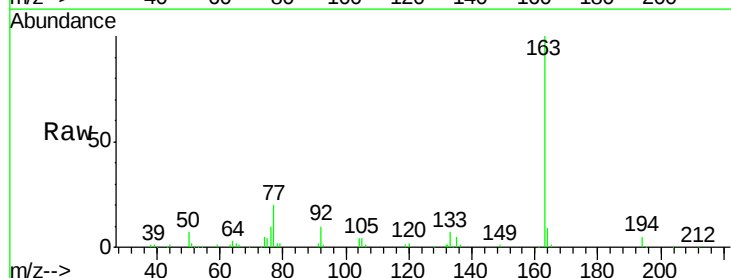
Delta R.T. -0.02 min

Lab File: BG035703.D

Acq: 18 Jul 2018 5:07

Tgt Ion:163 Resp: 89228

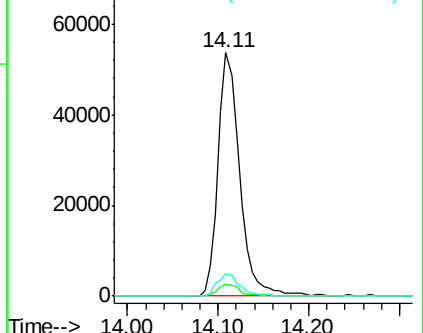
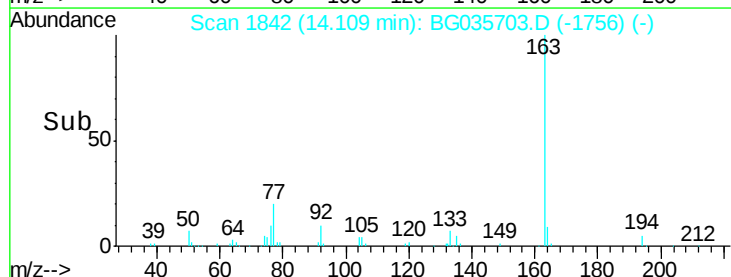
Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.4	5.2
164	9.2	8.2	12.4

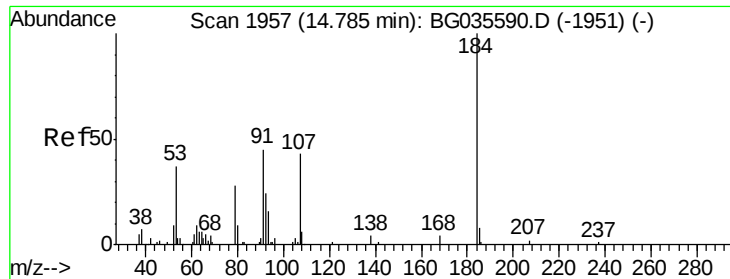


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#53

2,4-Dinitrophenol

Concen: 6.623 ng

RT: 14.51 min Scan# 1911

Delta R.T. -0.27 min

Lab File: BG035703.D

Acq: 18 Jul 2018 5:07

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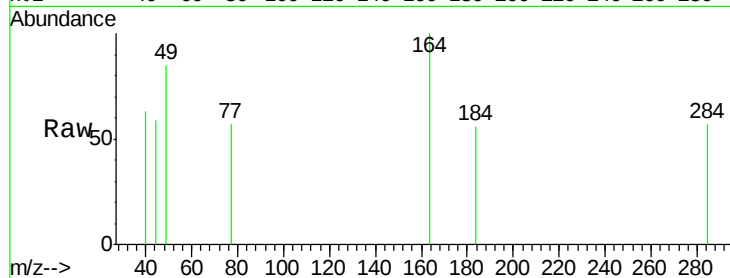
Tgt Ion:184 Resp: 53

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

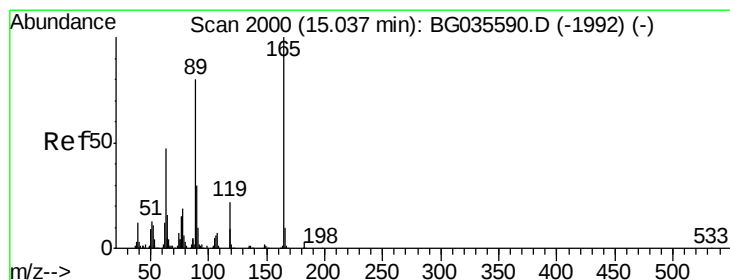
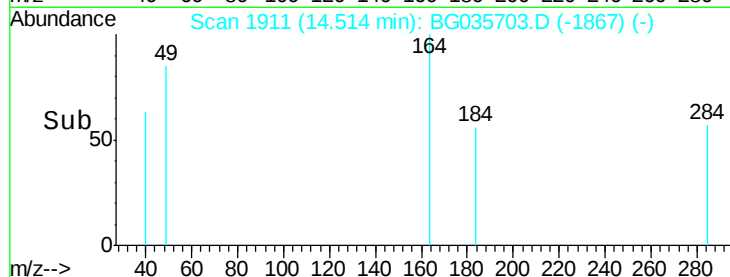
Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

14.51

14.52

Time-->



#56

2,4-Dinitrotoluene

Concen: 5.328 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.38 min

Lab File: BG035703.D

Acq: 18 Jul 2018 5:07

Tgt Ion:165 Resp: 17907

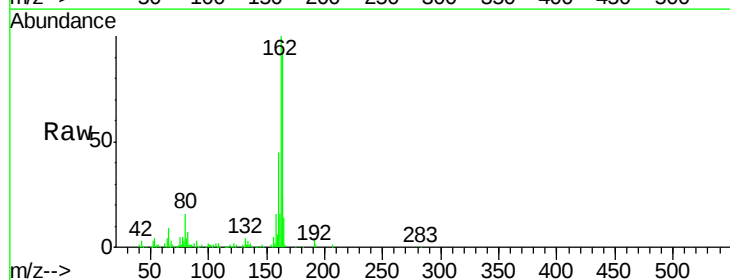
Ion Ratio Lower Upper

165 100

63 1.5 42.0 63.0#

89 2.3 66.9 100.3#

182 1.9 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

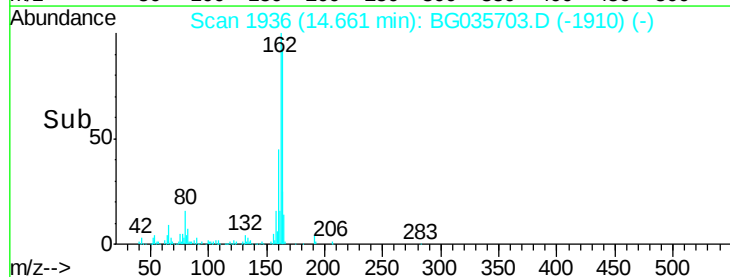
Ion 89.00 (88.70 to 89.70): BGC

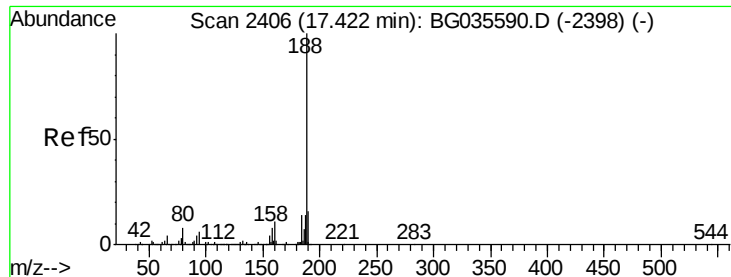
Ion 182.00 (181.70 to 182.70): E

14.66

14.67

Time-->

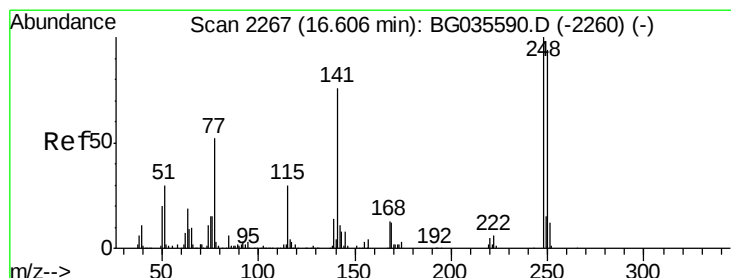
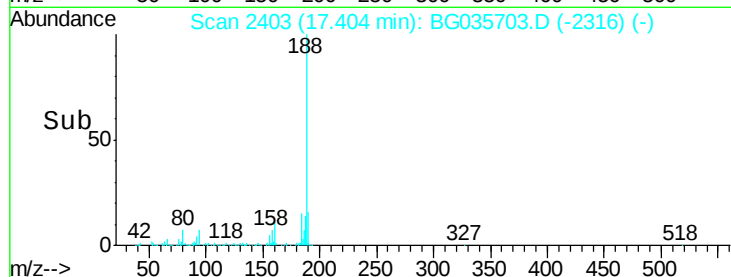
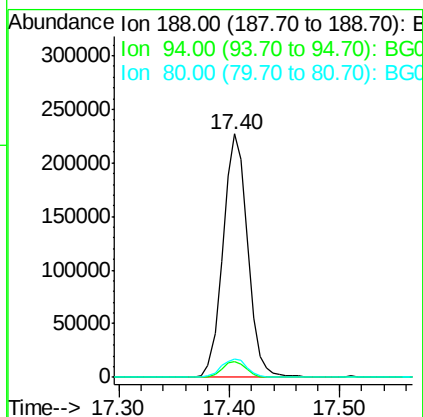
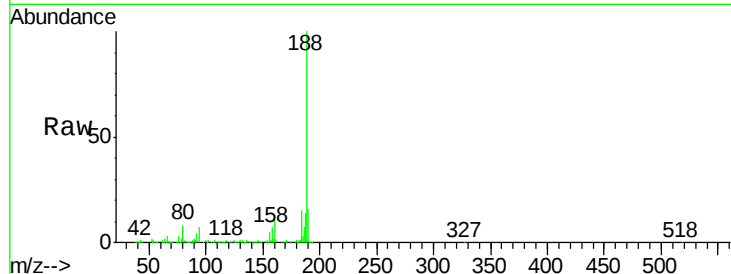




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2403
Delta R.T. -0.02 min
Lab File: BG035703.D
Acq: 18 Jul 2018 5:07

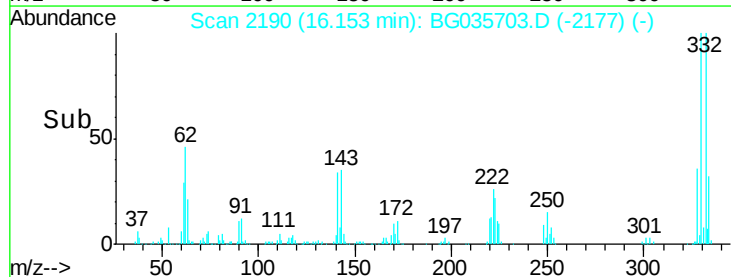
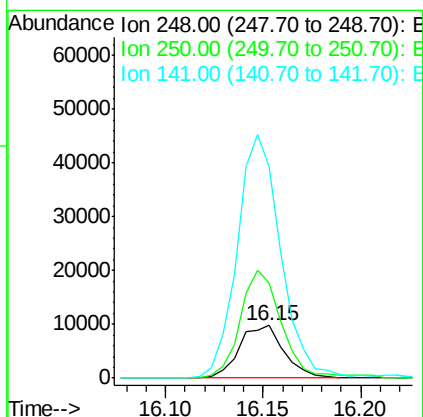
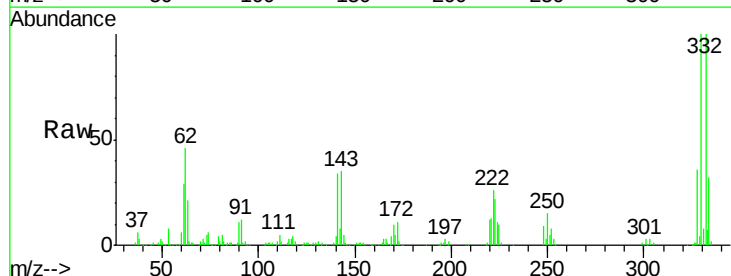
Instrument :
BNA_G
ClientSampleId :
071218-DBRI-F-D-S

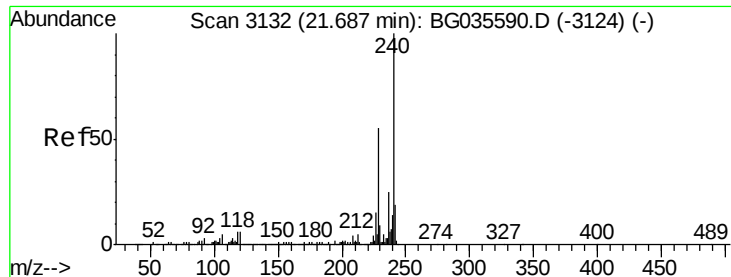
Tgt Ion:188 Resp: 355598
Ion Ratio Lower Upper
188 100
94 6.5 6.9 10.3#
80 7.6 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 3.757 ng
RT: 16.15 min Scan# 2190
Delta R.T. -0.45 min
Lab File: BG035703.D
Acq: 18 Jul 2018 5:07

Tgt Ion:248 Resp: 15500
Ion Ratio Lower Upper
248 100
250 180.5 77.1 115.7#
141 403.8 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BG035703.D

Acq: 18 Jul 2018 5:07

Instrument :

BNA_G

ClientSampleId :

071218-DBRI-F-D-S

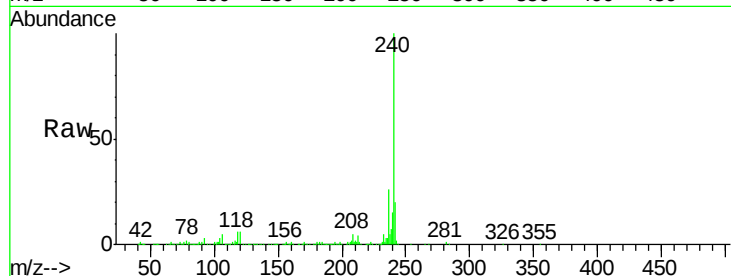
Tgt Ion:240 Resp: 401300

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

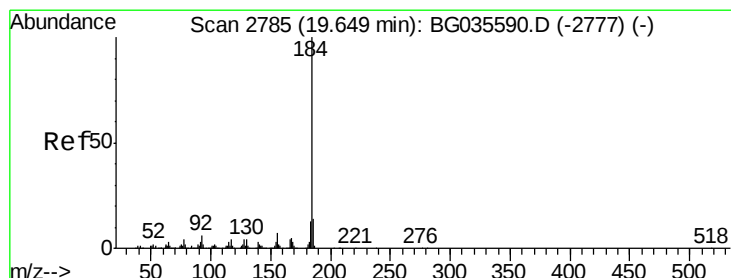
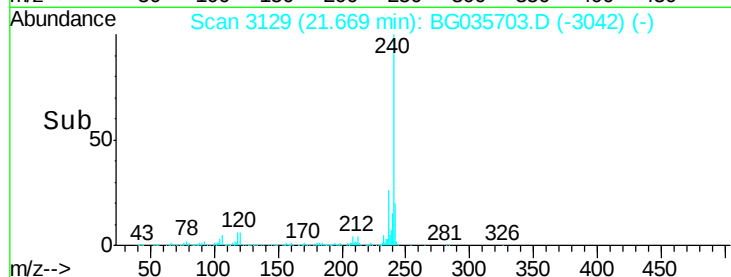
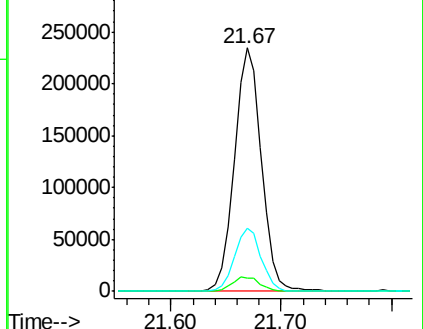
236 26.1 20.9 31.3



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: 2.830 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.36 min

Lab File: BG035703.D

Acq: 18 Jul 2018 5:07

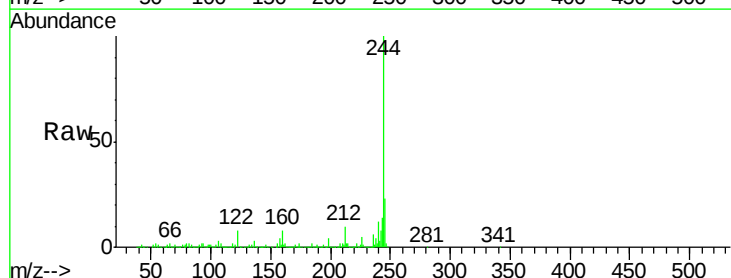
Tgt Ion:184 Resp: 29861

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

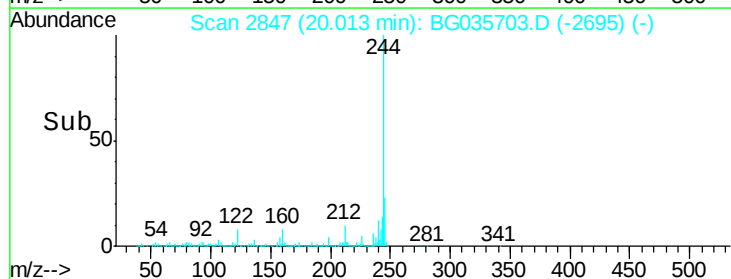
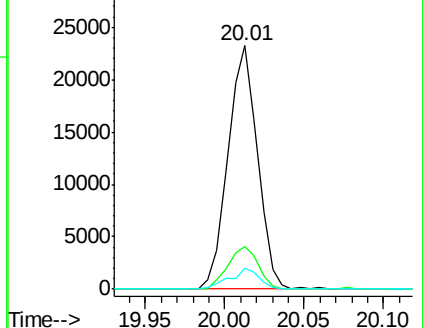
183 8.7 10.6 16.0#

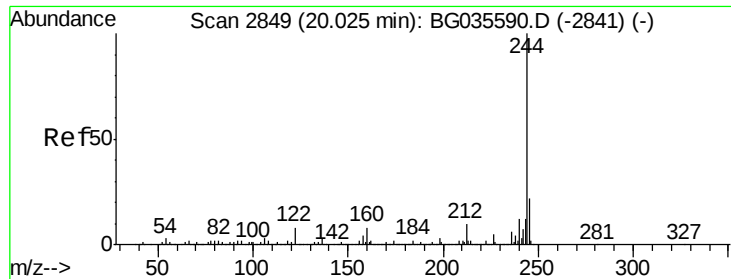


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

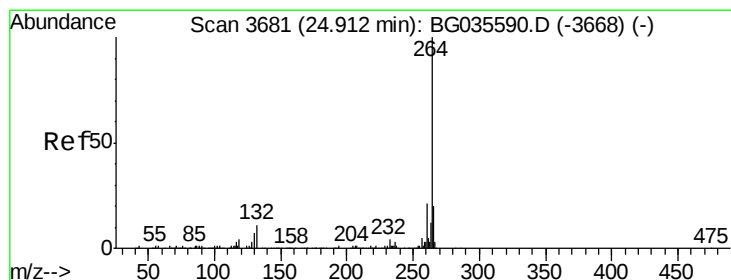
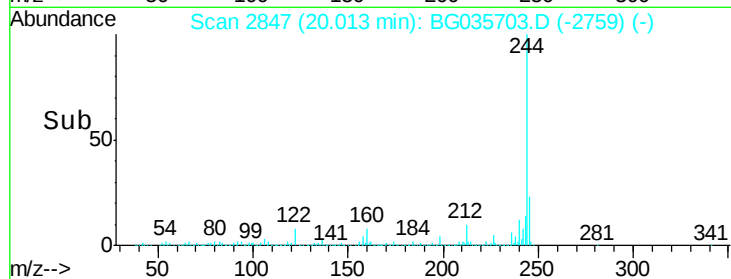
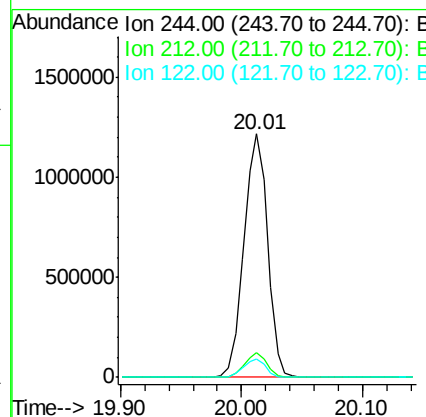
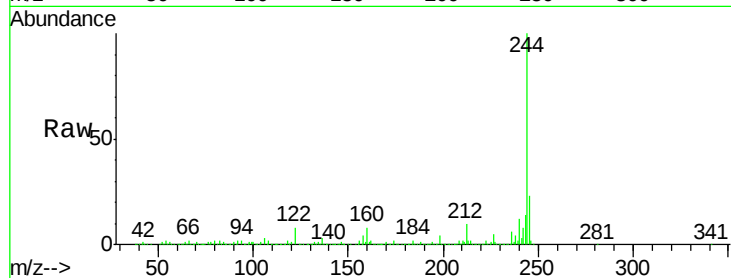




#78
 Terphenyl-d14
 Concen: 91.244 ng
 RT: 20.01 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BG035703.D
 Acq: 18 Jul 2018 5:07

Instrument :
 BNA_G
 ClientSampleId :
 071218-DBRI-F-D-S

Tgt Ion:244 Resp: 1661127
 Ion Ratio Lower Upper
 244 100
 212 10.3 5.8 8.8#
 122 7.7 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.88 min Scan# 3675
 Delta R.T. -0.04 min
 Lab File: BG035703.D
 Acq: 18 Jul 2018 5:07

Tgt Ion:264 Resp: 377796
 Ion Ratio Lower Upper
 264 100
 260 23.8 17.4 26.0
 265 22.0 17.7 26.5

