

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071818\
 Data File : BG035738.D
 Acq On : 19 Jul 2018 4:58
 Operator : JU/SJ
 Sample : PB111232TB
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 19 06:56:24 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

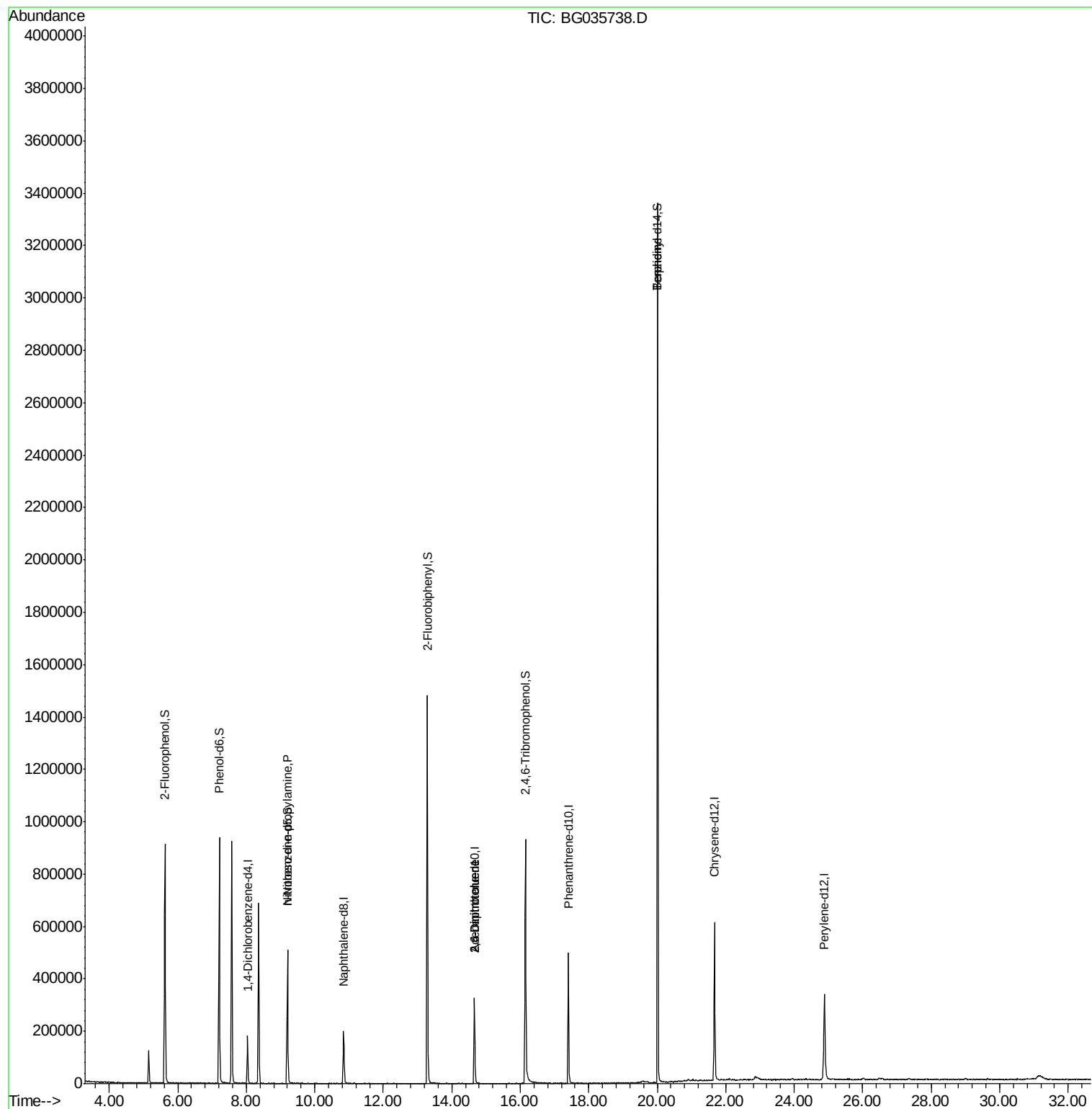
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	48856	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	180910	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	124477	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	348900	20.00	ng	0.00
75) Chrysene-d12	21.67	240	412073	20.00	ng	0.00
86) Perylene-d12	24.88	264	386801	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	414238	140.77	ng	0.00
7) Phenol-d6	7.21	99	572664	130.43	ng	0.00
23) Nitrobenzene-d5	9.20	82	363393	83.91	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	200494	122.20	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	825445	88.84	ng	0.00
78) Terphenyl-d14	20.01	244	1589296	85.02	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	50605	13.687	ng	# 67
50) 2,6-Dinitrotoluene	14.66	165	16840	7.583	ng	# 20
56) 2,4-Dinitrotoluene	14.66	165	16840	5.285	ng	# 18
76) Benzidine	20.01	184	27243	2.515	ng	# 89

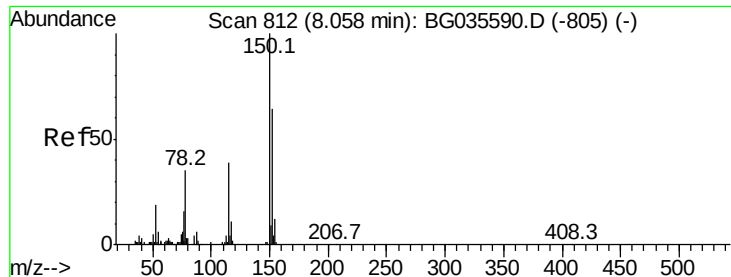
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 809

Delta R.T. -0.00 min

Lab File: BG035738.D

Acq: 19 Jul 2018 4:58

Instrument :

BNA_G

ClientSampleId :

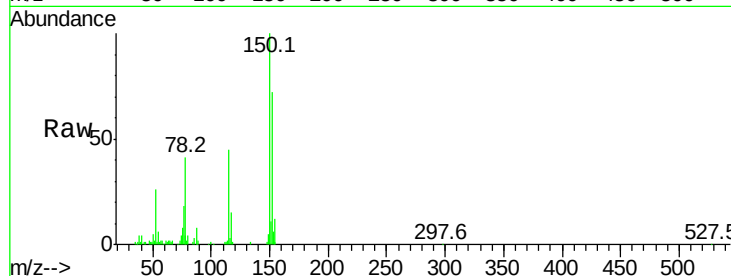
Tot Ion:152 Resp: 48856

Ion Ratio Lower Upper

152 100

150 138.8 126.6 189.8

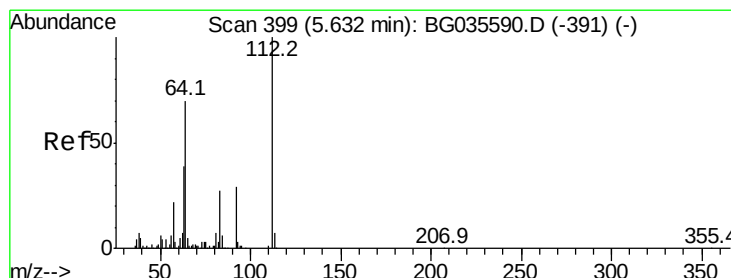
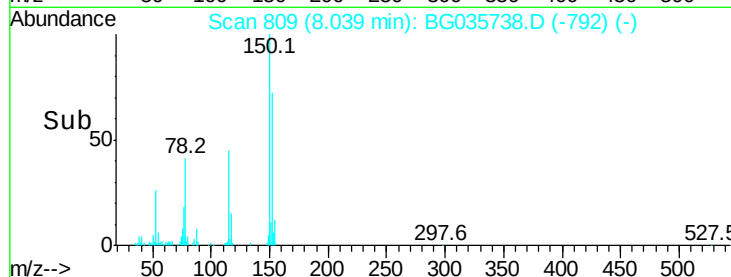
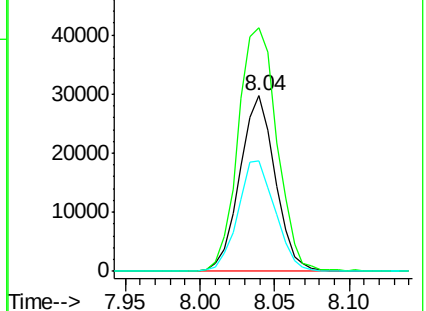
115 62.9 53.0 79.4



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: 140.767 ng

RT: 5.63 min Scan# 398

Delta R.T. 0.00 min

Lab File: BG035738.D

Acq: 19 Jul 2018 4:58

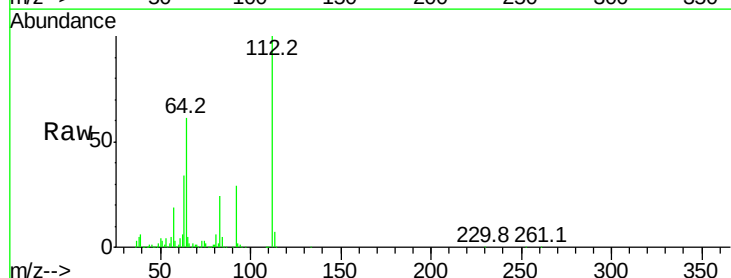
Tgt Ion:112 Resp: 414238

Ion Ratio Lower Upper

112 100

64 61.2 56.3 84.5

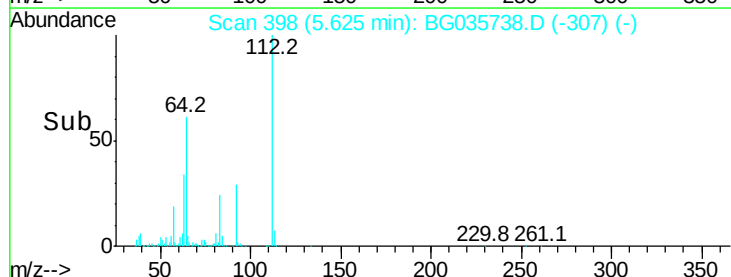
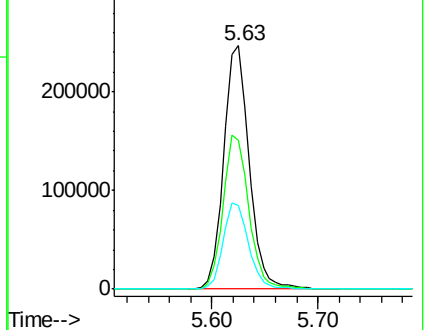
63 34.2 30.1 45.1

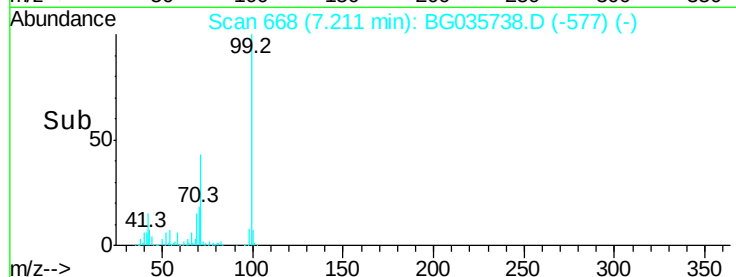
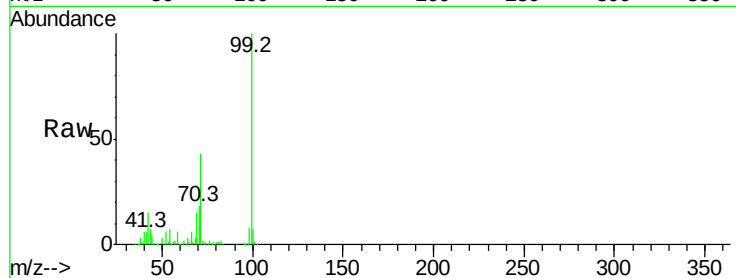
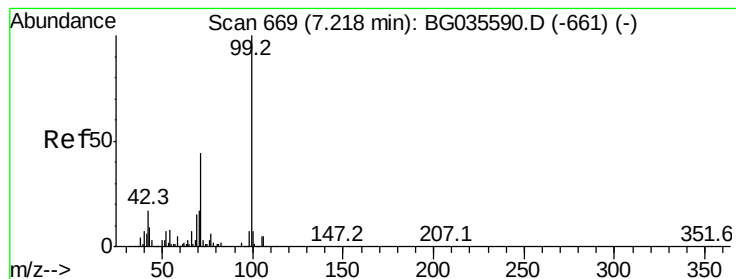


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 130.433 ng

RT: 7.21 min Scan# 668

Delta R.T. 0.00 min

Lab File: BG035738.D

Acq: 19 Jul 2018 4:58

Instrument :

BNA_G

ClientSampleId :

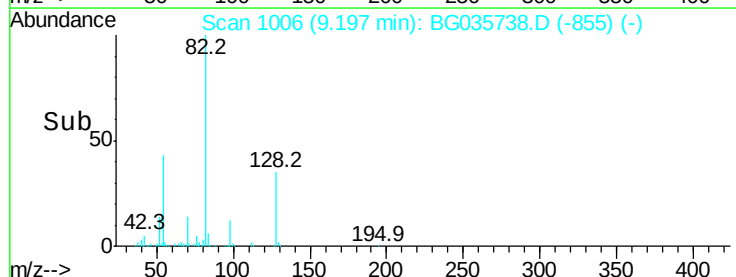
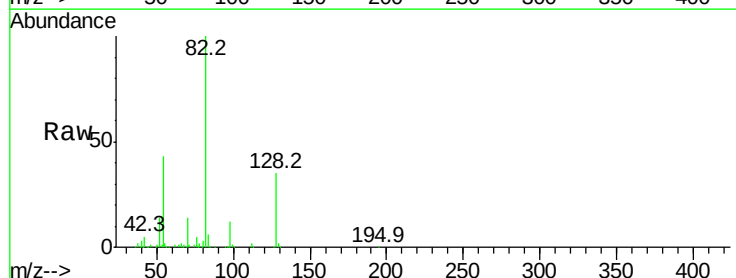
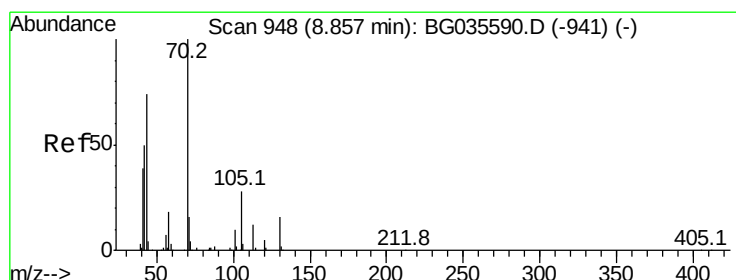
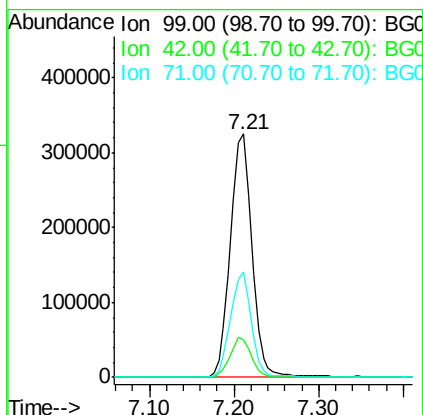
Tot Ion: 99 Resp: 572664

Ion Ratio Lower Upper

99 100

42 15.4 14.1 21.1

71 43.3 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.687 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.36 min

Lab File: BG035738.D

Acq: 19 Jul 2018 4:58

Tgt Ion: 70 Resp: 50605

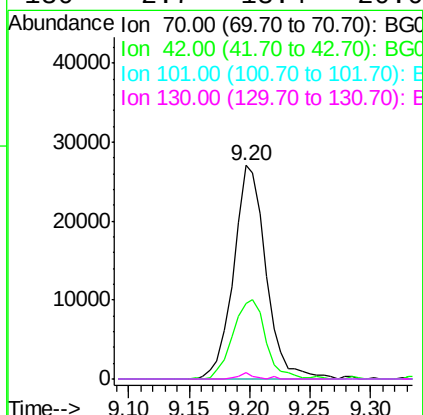
Ion Ratio Lower Upper

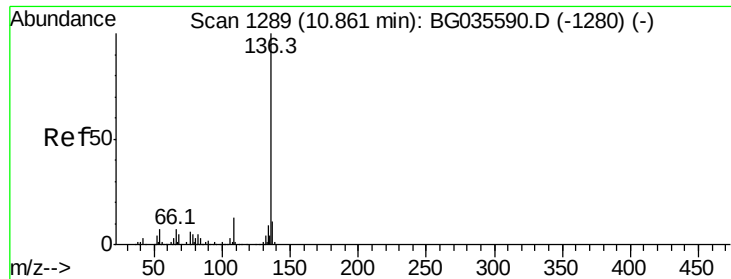
70 100

42 35.5 49.1 73.7#

101 0.0 8.5 12.7#

130 2.7 13.4 20.0#

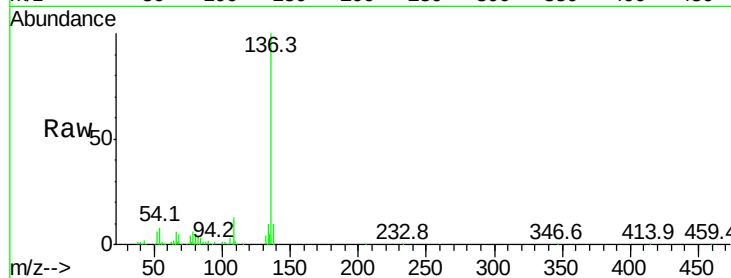




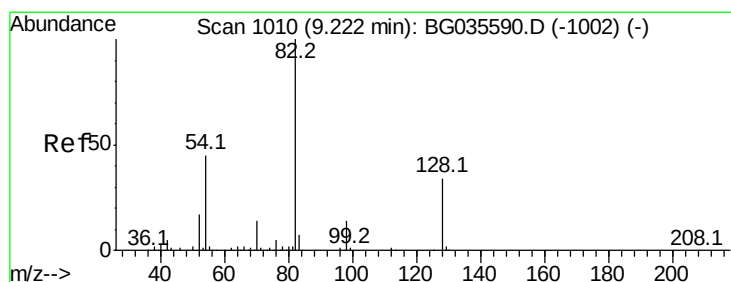
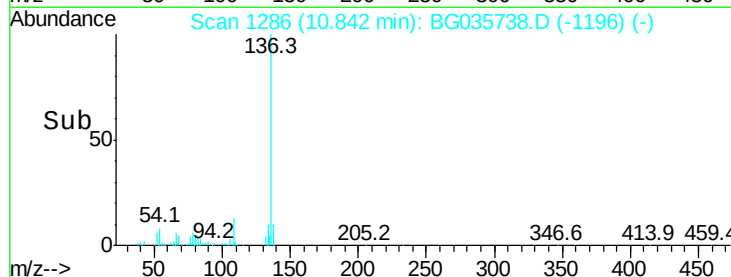
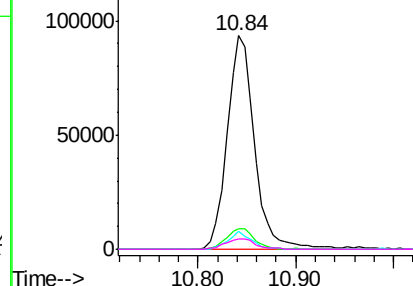
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BG035738.D
Acq: 19 Jul 2018 4:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	9.6	9.2	13.8
54	8.2	10.3	15.5#
68	4.7	4.5	6.7

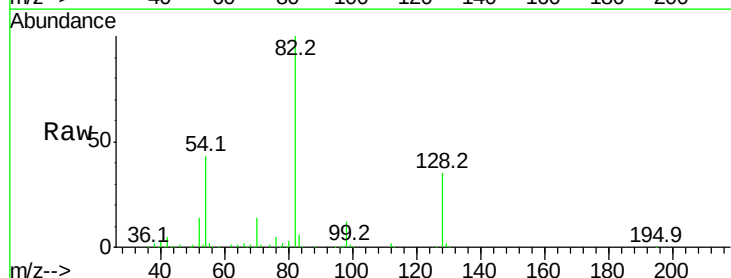


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

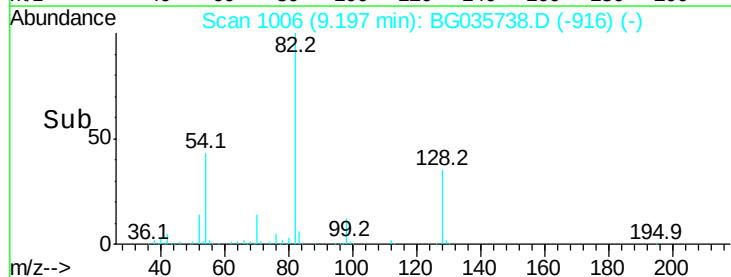
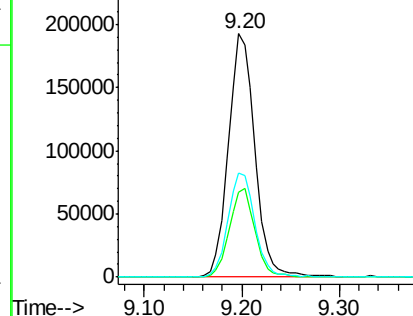


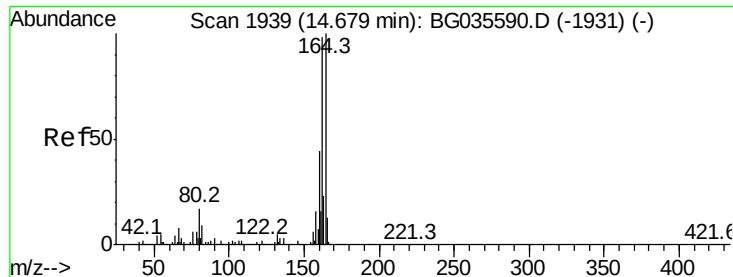
#23
Nitrobenzene-d5
Concen: 83.913 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BG035738.D
Acq: 19 Jul 2018 4:58

Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.7	29.7	44.5
54	42.5	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: 14.67 min Scan# 1937

Delta R.T. 0.00 min

Lab File: BG035738.D

Acq: 19 Jul 2018 4:58

Instrument :

BNA_G

ClientSampleId :

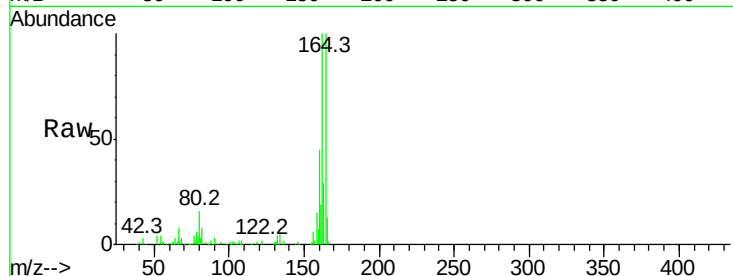
Tot Ion:164 Resp: 124477

Ion Ratio Lower Upper

164 100

162 99.9 78.8 118.2

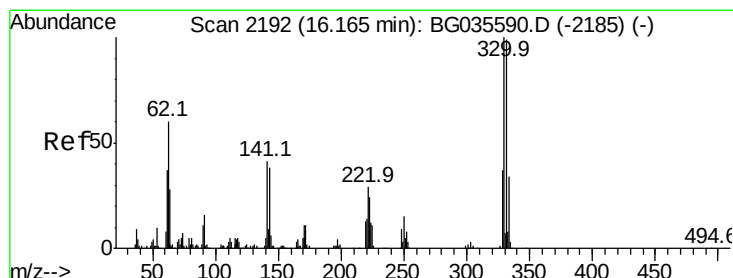
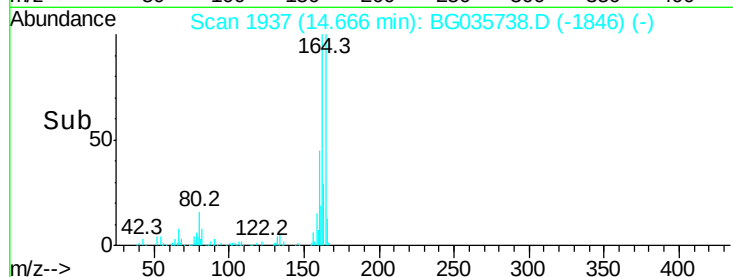
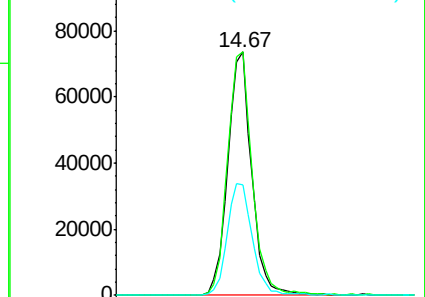
160 45.5 35.4 53.0



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: 122.201 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.00 min

Lab File: BG035738.D

Acq: 19 Jul 2018 4:58

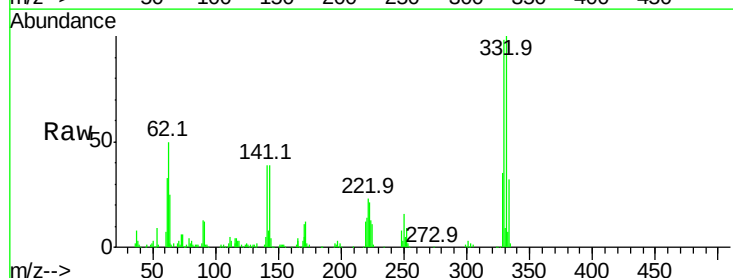
Tgt Ion:330 Resp: 200494

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

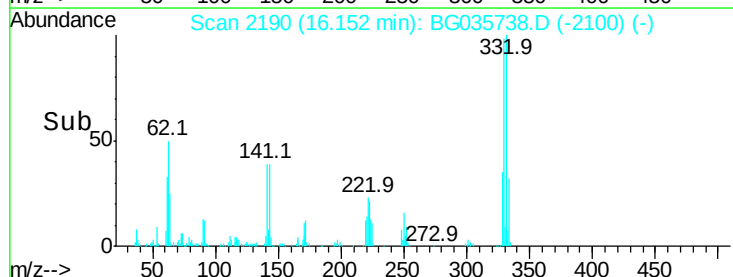
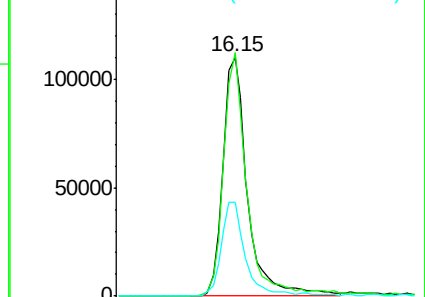
141 38.9 25.2 37.8#

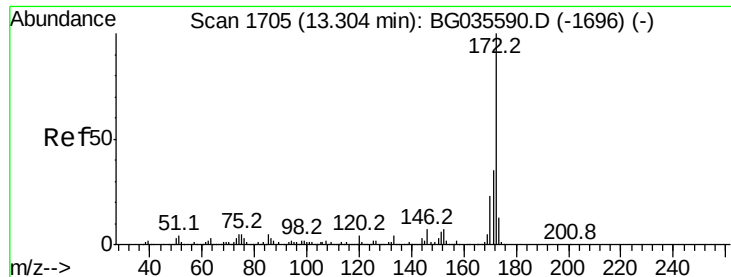


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 88.842 ng

RT: 13.29 min Scan# 1702

Delta R.T. -0.00 min

Lab File: BG035738.D

Acq: 19 Jul 2018 4:58

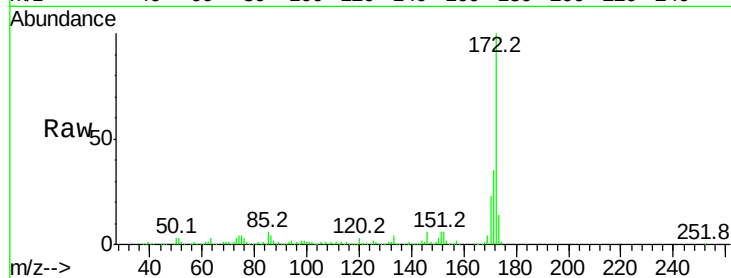
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 825445

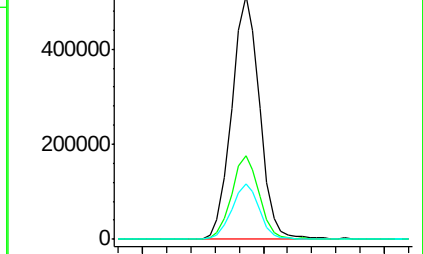
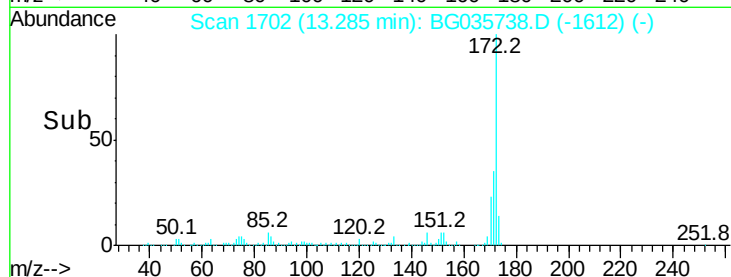
Ion	Ratio	Lower	Upper
172	100		
171	34.6	30.0	45.0
170	22.8	19.5	29.3



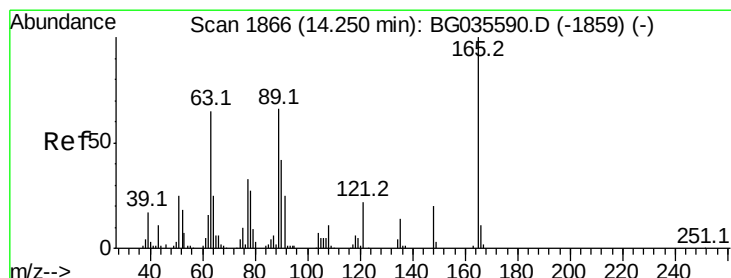
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#50

2,6-Dinitrotoluene

Concen: 7.583 ng

RT: 14.66 min Scan# 1936

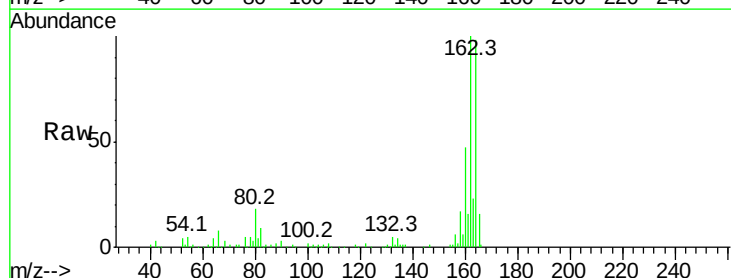
Delta R.T. 0.42 min

Lab File: BG035738.D

Acq: 19 Jul 2018 4:58

Tgt Ion:165 Resp: 16840

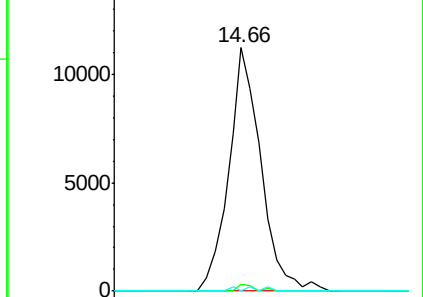
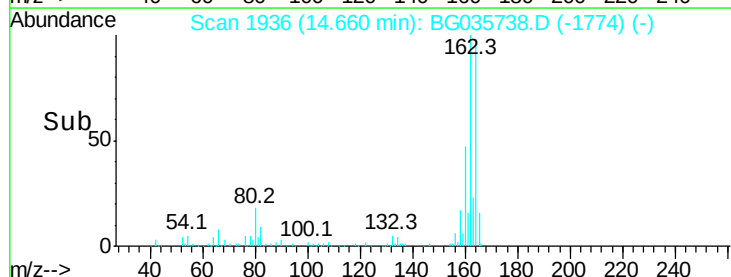
Ion	Ratio	Lower	Upper
165	100		
63	2.8	52.7	79.1#
89	0.0	49.2	73.8#



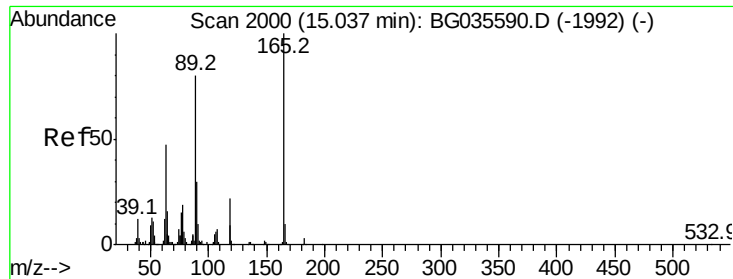
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



Time-->



#56

2,4-Dinitrotoluene

Concen: 5.285 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.36 min

Lab File: BG035738.D

Acq: 19 Jul 2018 4:58

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 16840

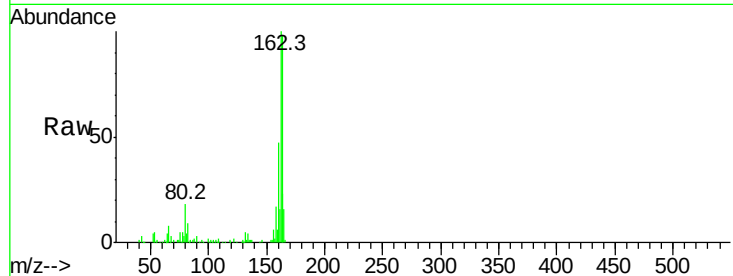
Ion Ratio Lower Upper

165 100

63 2.8 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

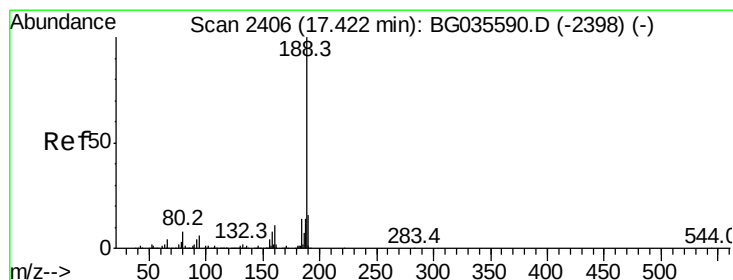
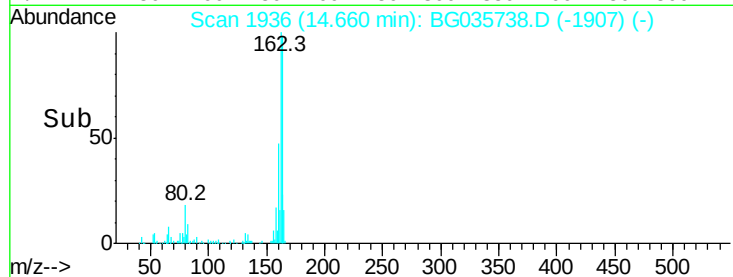
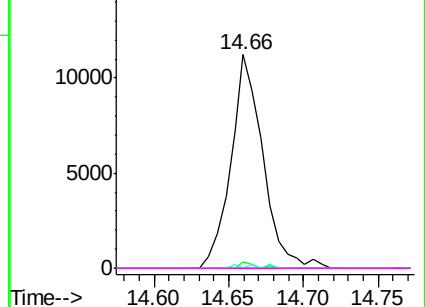


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG035738.D

Acq: 19 Jul 2018 4:58

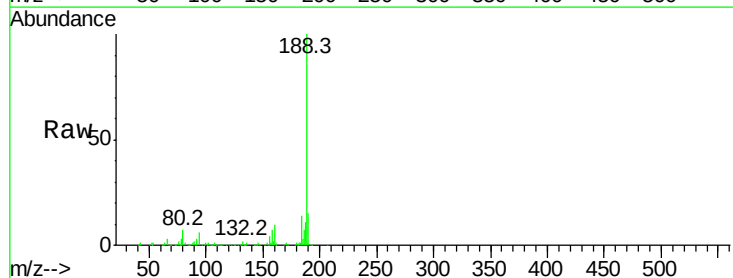
Tgt Ion:188 Resp: 348900

Ion Ratio Lower Upper

188 100

94 6.2 6.9 10.3#

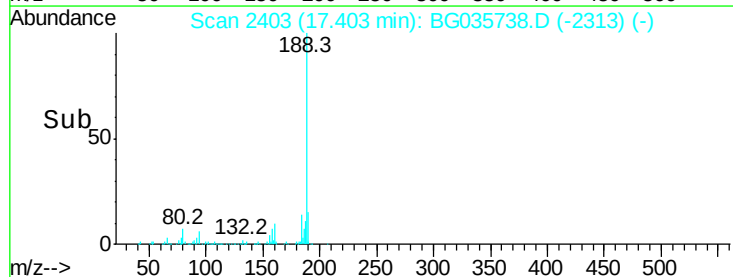
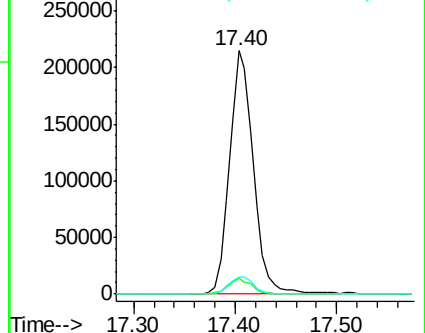
80 7.2 7.7 11.5#

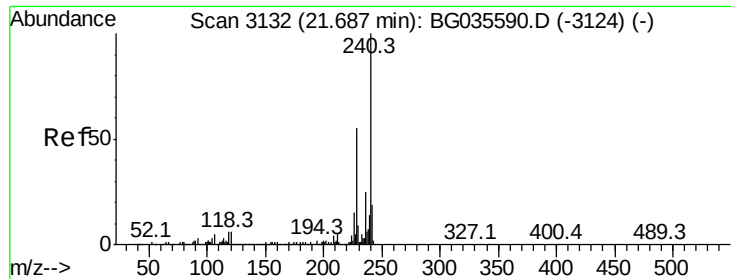


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

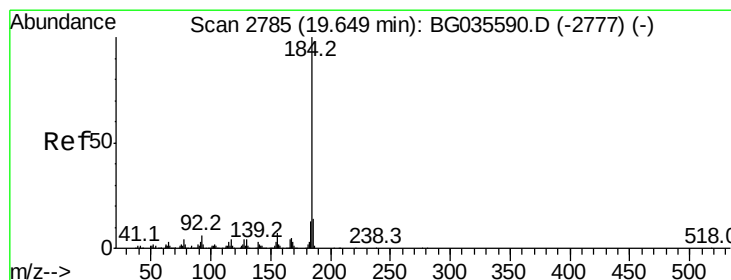
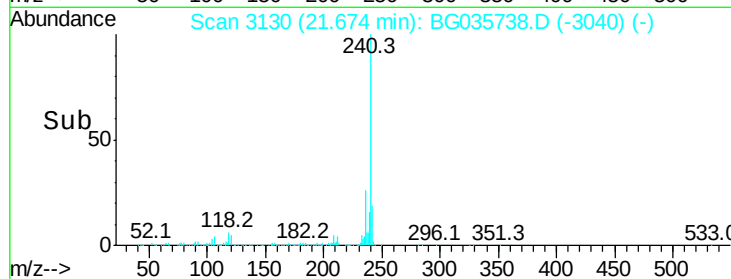
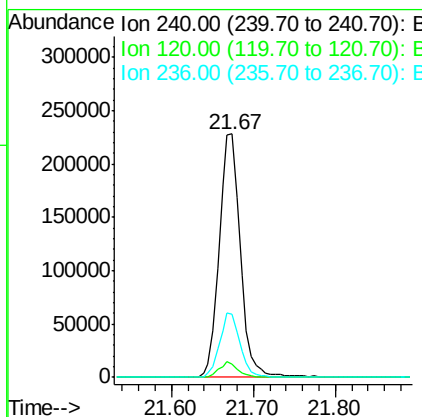
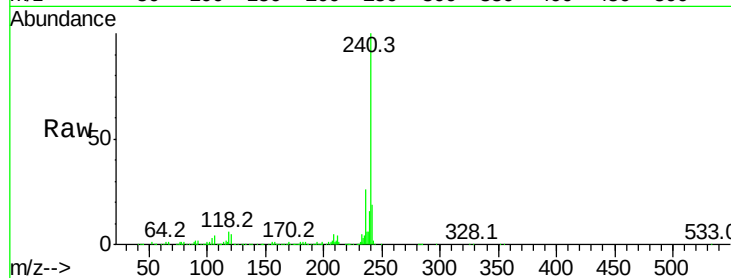




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3130
 Delta R.T. -0.00 min
 Lab File: BG035738.D
 Acq: 19 Jul 2018 4:58

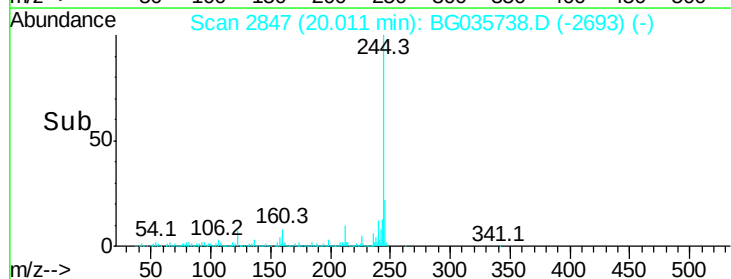
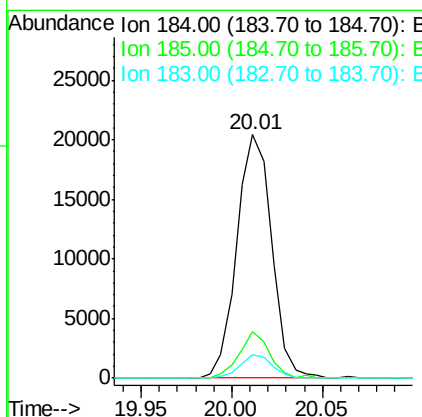
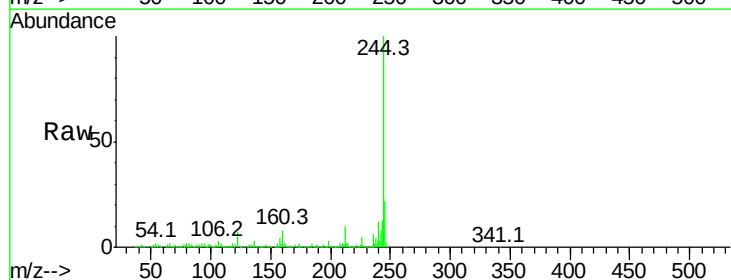
Instrument :
 BNA_G
 ClientSampleId :

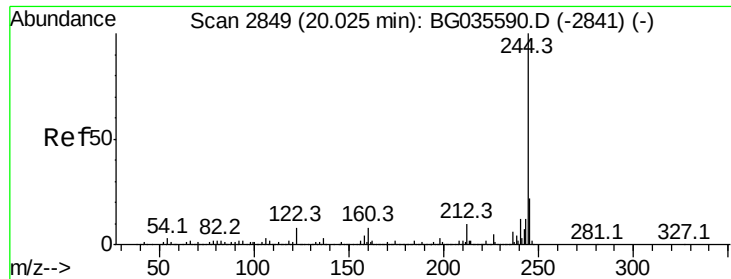
Tot Ion:240 Resp: 412073
 Ion Ratio Lower Upper
 240 100
 120 5.5 6.8 10.2#
 236 25.9 20.9 31.3



#76
 Benzidine
 Concen: 2.515 ng
 RT: 20.01 min Scan# 2847
 Delta R.T. 0.37 min
 Lab File: BG035738.D
 Acq: 19 Jul 2018 4:58

Tgt Ion:184 Resp: 27243
 Ion Ratio Lower Upper
 184 100
 185 19.2 11.1 16.7#
 183 9.6 10.6 16.0#



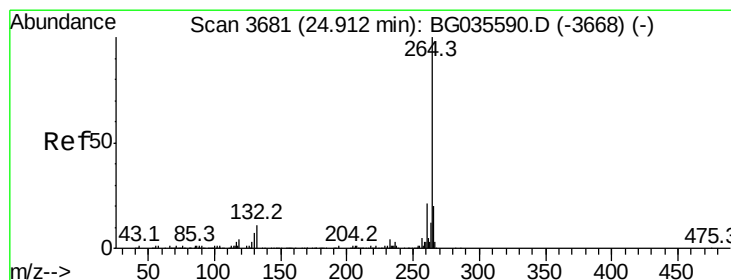
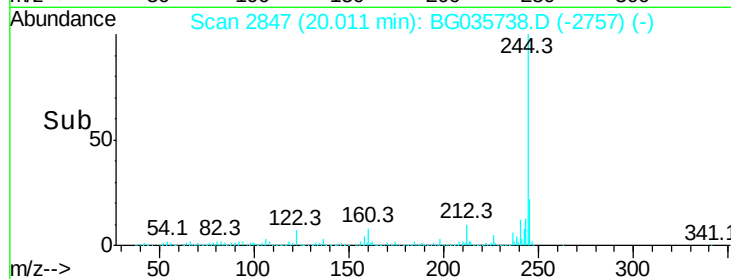
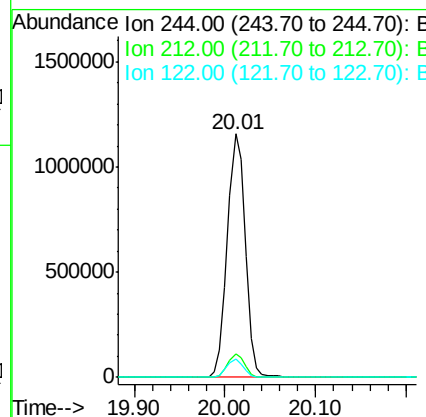
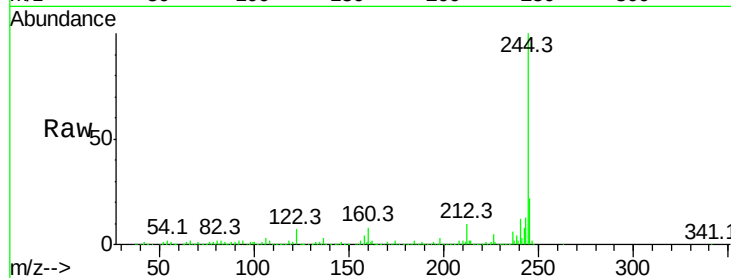


#78
 Terphenyl-d14
 Concen: 85.016 ng
 RT: 20.01 min Scan# 2847
 Delta R.T. -0.00 min
 Lab File: BG035738.D
 Acq: 19 Jul 2018 4:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1589296

Ion	Ratio	Lower	Upper
244	100		
212	9.5	5.8	8.8#
122	7.4	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: BG035738.D
 Acq: 19 Jul 2018 4:58

Tgt Ion:264 Resp: 386801

Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	22.5	17.7	26.5

