

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071818\
 Data File : BG035733.D
 Acq On : 19 Jul 2018 1:24
 Operator : JU/SJ
 Sample : PB111232BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 19 02:05:13 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

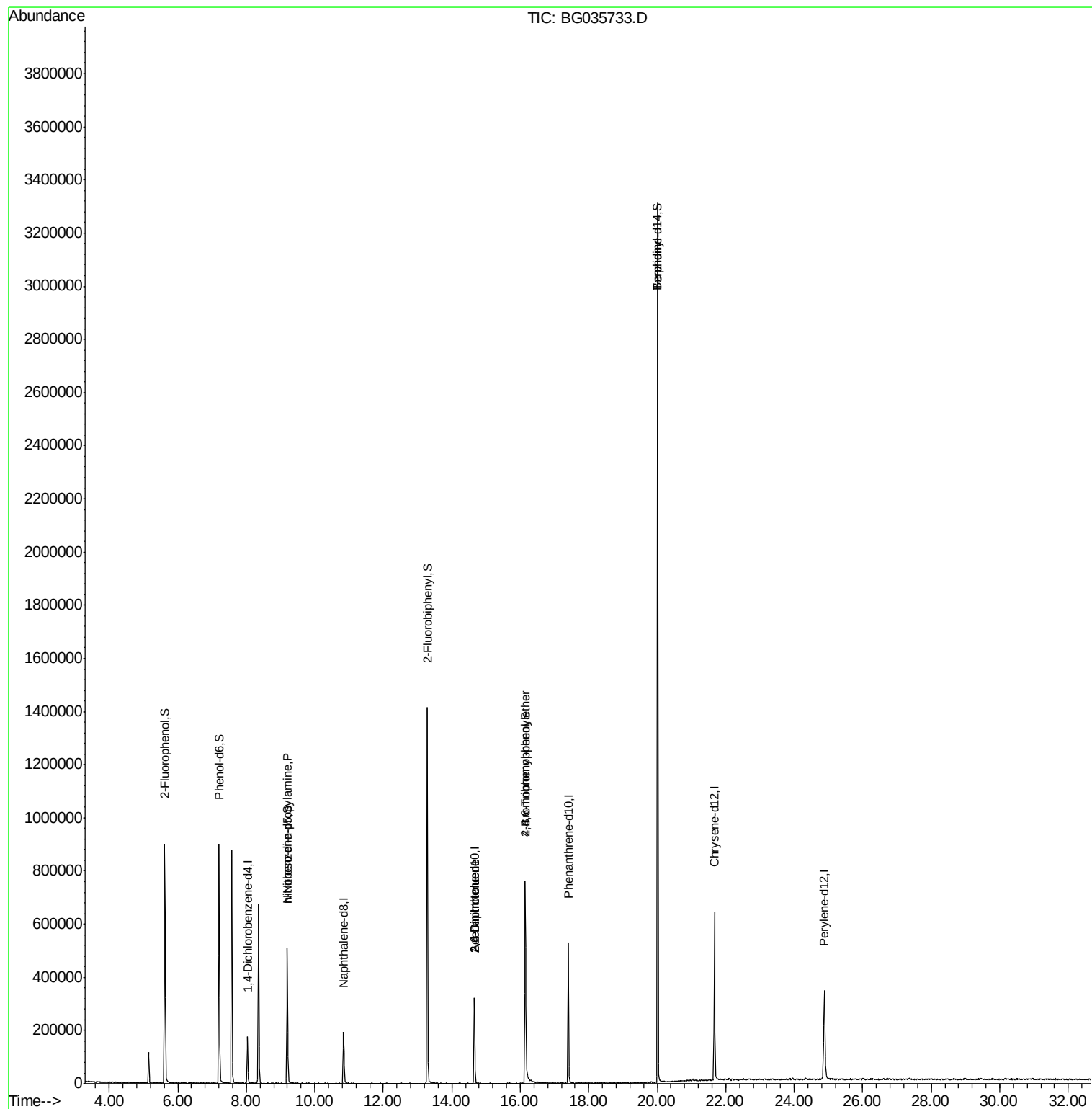
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	49563	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	174926	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	123630	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	352085	20.00	ng	0.00
75) Chrysene-d12	21.67	240	415583	20.00	ng	0.00
86) Perylene-d12	24.88	264	390906	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	398743	133.57	ng	0.00
7) Phenol-d6	7.21	99	555308	124.68	ng	0.00
23) Nitrobenzene-d5	9.20	82	346448	82.74	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	168168	103.20	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	805072	87.24	ng	0.00
78) Terphenyl-d14	20.01	244	1596061	84.66	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	49201	13.118	ng	# 65
50) 2,6-Dinitrotoluene	14.66	165	16706	7.574	ng	# 20
56) 2,4-Dinitrotoluene	14.66	165	16706	5.279	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	13502	3.305	ng	# 1
76) Benzidine	20.01	184	27945	2.558	ng	# 95

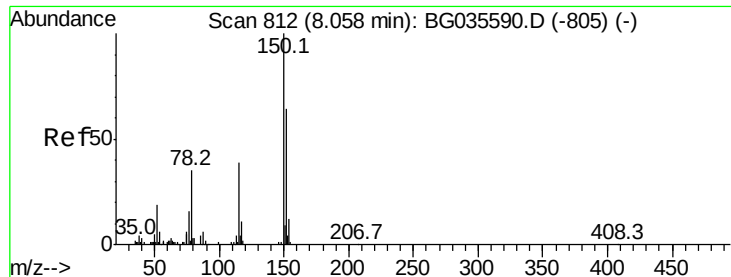
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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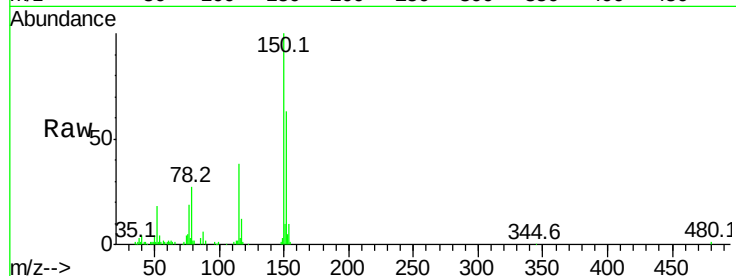


#1

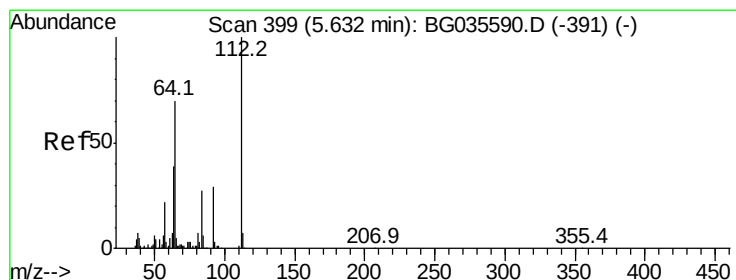
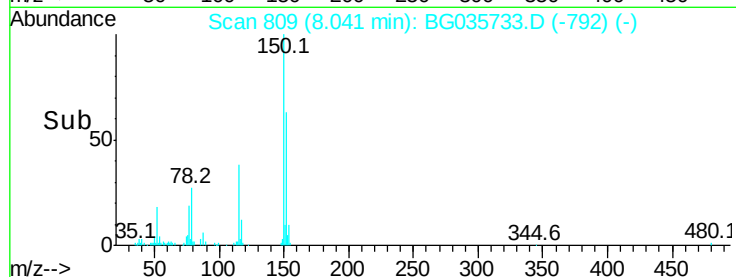
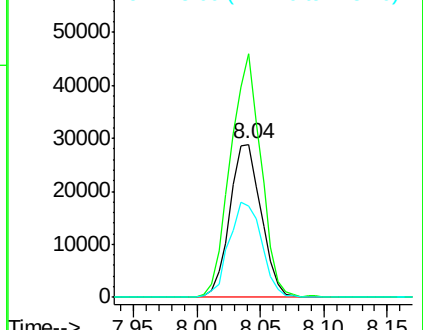
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. 0.00 min
Lab File: BG035733.D
Acq: 19 Jul 2018 1:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 49563
Ion Ratio Lower Upper
152 100
150 159.1 126.6 189.8
115 60.0 53.0 79.4



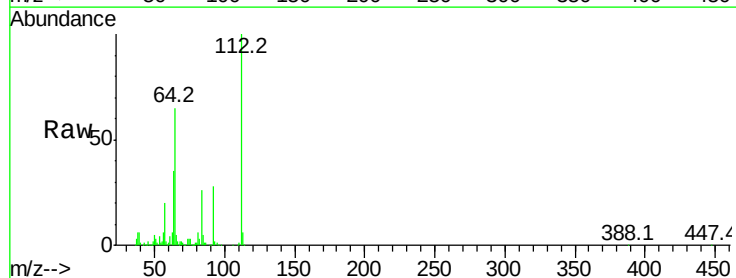
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



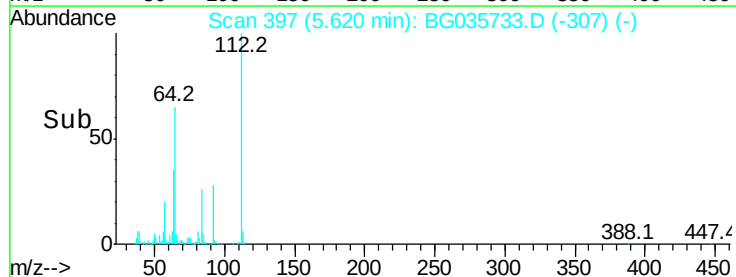
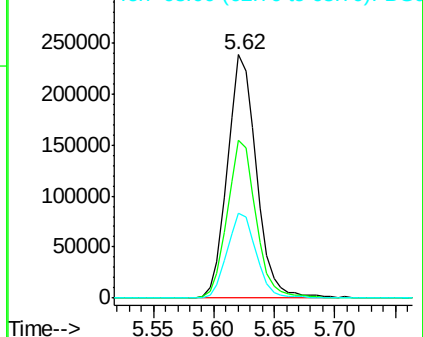
#5

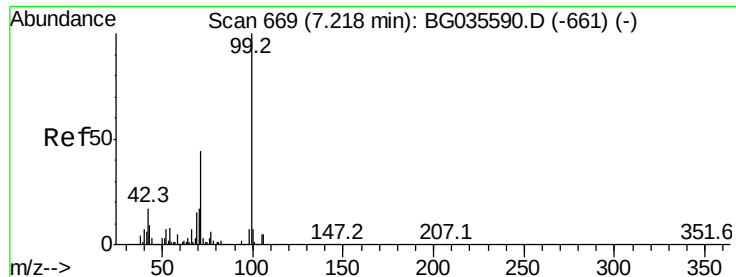
2-Fluorophenol
Concen: 133.569 ng
RT: 5.62 min Scan# 397
Delta R.T. 0.00 min
Lab File: BG035733.D
Acq: 19 Jul 2018 1:24

Tgt Ion:112 Resp: 398743
Ion Ratio Lower Upper
112 100
64 64.6 56.3 84.5
63 35.0 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: 124.675 ng

RT: 7.21 min Scan# 667

Delta R.T. 0.00 min

Lab File: BG035733.D

Acq: 19 Jul 2018 1:24

Instrument :

BNA_G

ClientSampleId :

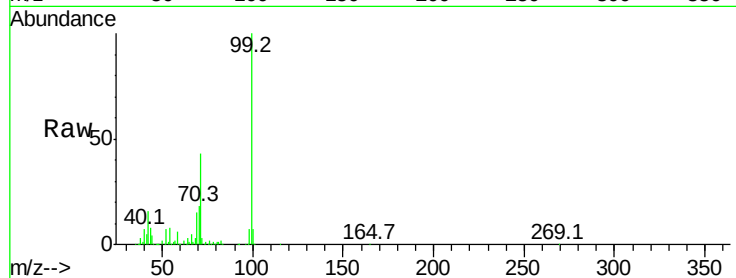
Tot Ion: 99 Resp: 555308

Ion Ratio Lower Upper

99 100

42 16.4 14.1 21.1

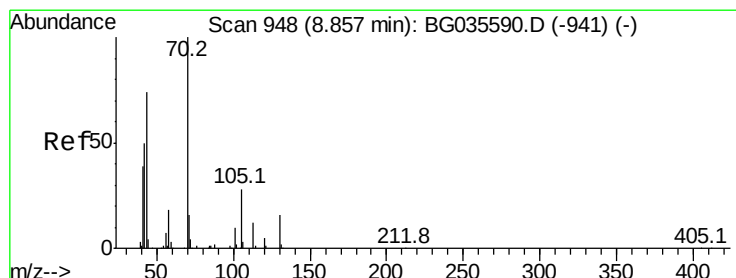
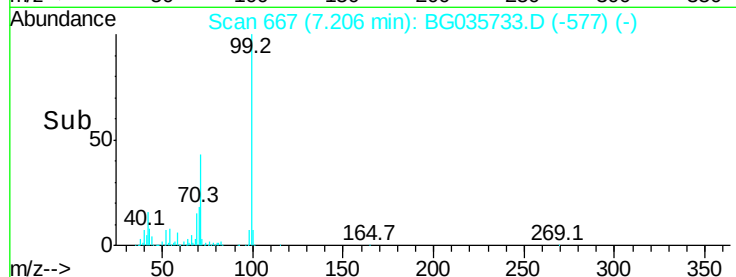
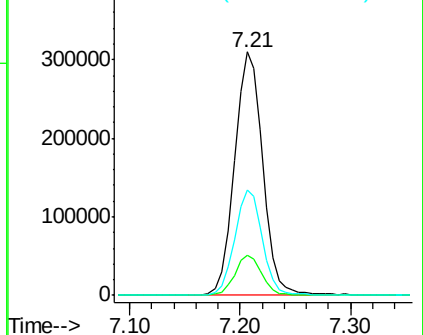
71 43.3 26.1 39.1#



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: 13.118 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.36 min

Lab File: BG035733.D

Acq: 19 Jul 2018 1:24

Tgt Ion: 70 Resp: 49201

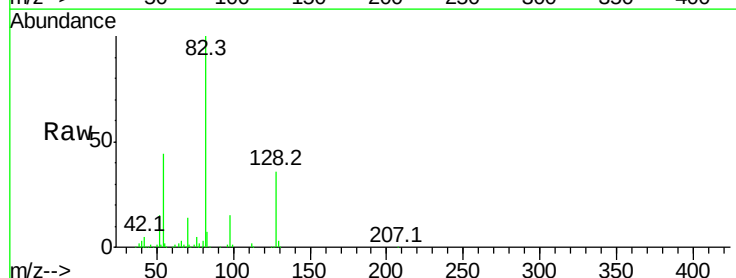
Ion Ratio Lower Upper

70 100

42 34.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.4 13.4 20.0#

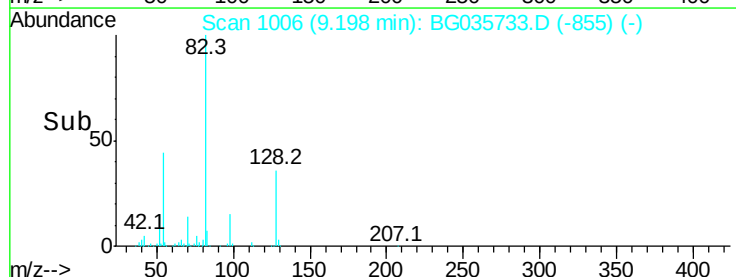
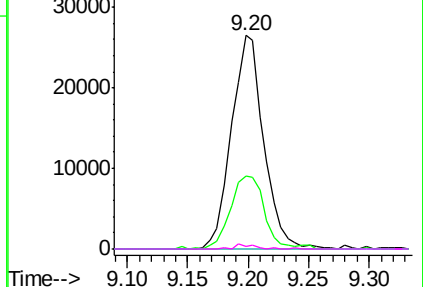


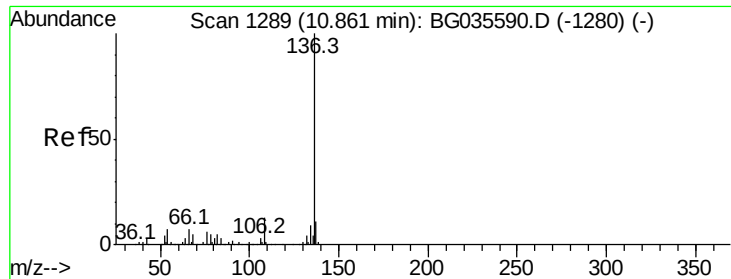
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

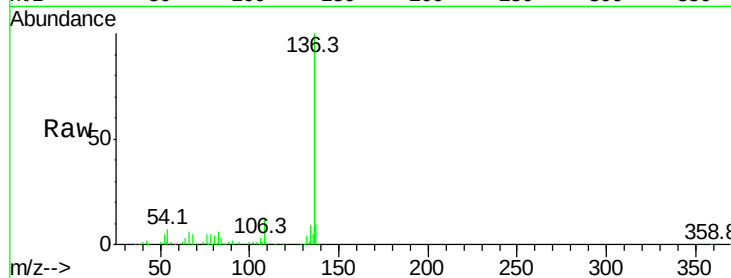




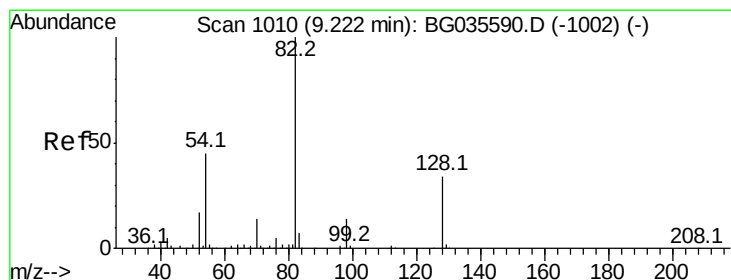
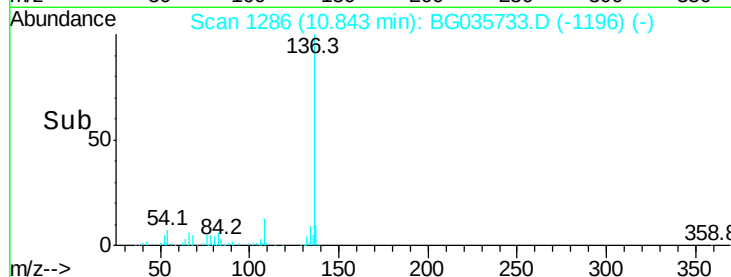
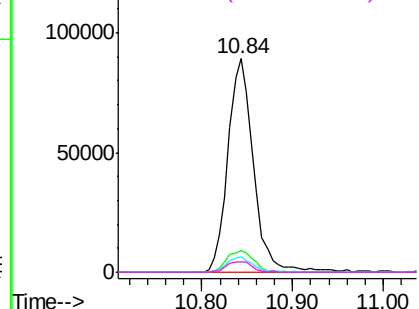
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BG035733.D
Acq: 19 Jul 2018 1:24

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	174926
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.2	13.8
54	7.5	10.3	15.5#
68	5.0	4.5	6.7

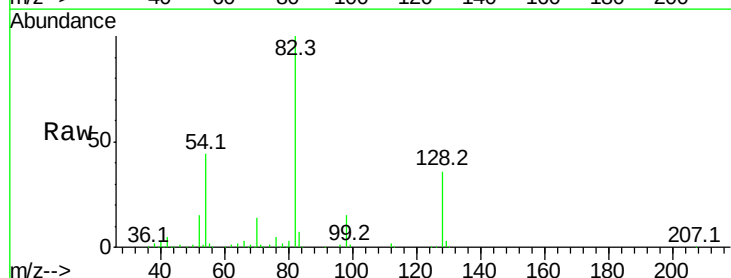


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

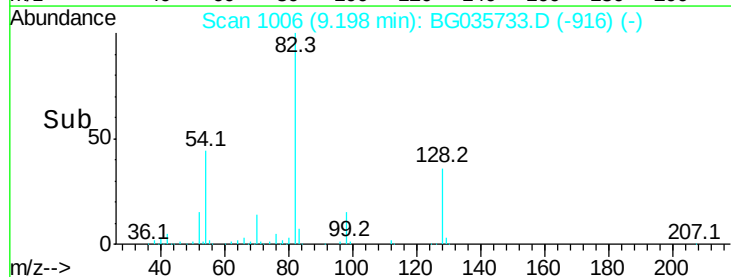
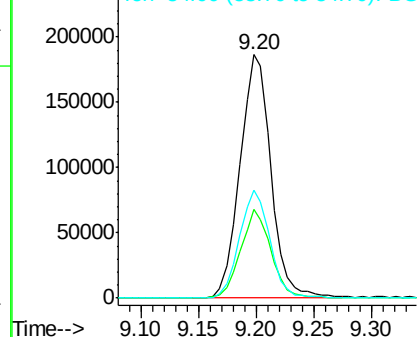


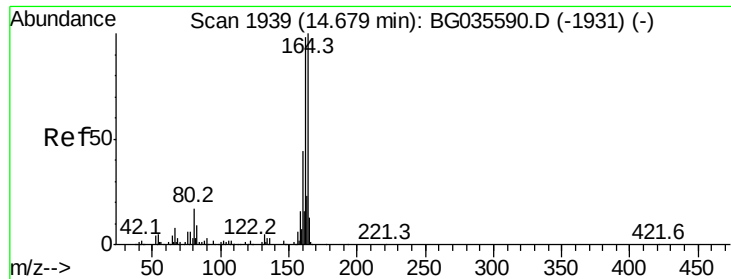
#23
Nitrobenzene-d5
Concen: 82.737 ng
RT: 9.20 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BG035733.D
Acq: 19 Jul 2018 1:24

Tgt Ion:	82	Resp:	346448
Ion	Ratio	Lower	Upper
82	100		
128	36.3	29.7	44.5
54	44.2	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: BG035733.D

Acq: 19 Jul 2018 1:24

Instrument :

BNA_G

ClientSampleId :

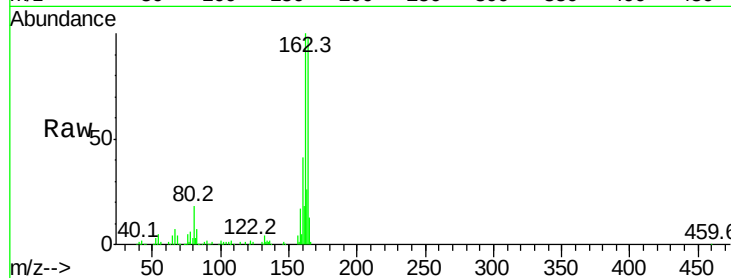
Tot Ion:164 Resp: 123630

Ion Ratio Lower Upper

164 100

162 102.3 78.8 118.2

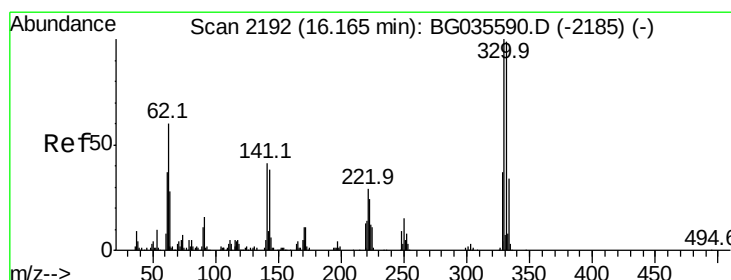
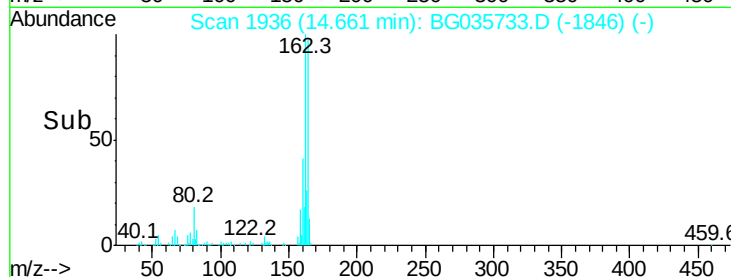
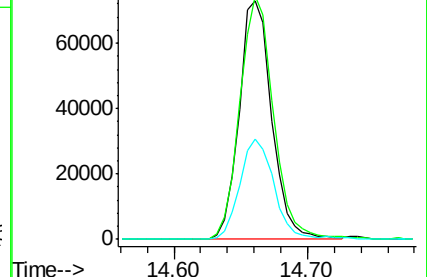
160 42.4 35.4 53.0



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: 103.201 ng

RT: 16.15 min Scan# 2190

Delta R.T. 0.00 min

Lab File: BG035733.D

Acq: 19 Jul 2018 1:24

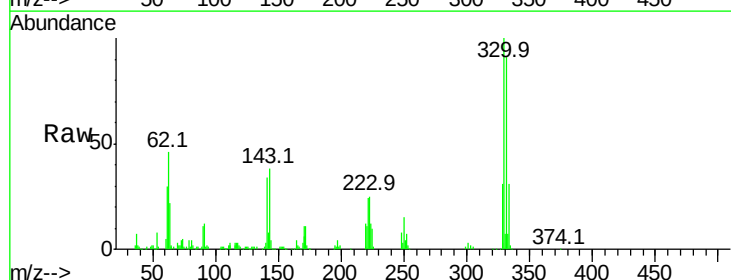
Tgt Ion:330 Resp: 168168

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

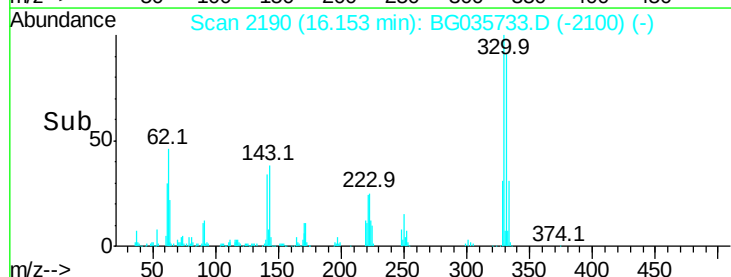
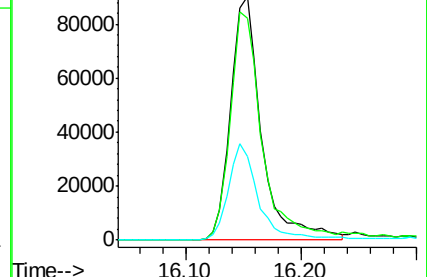
141 38.8 25.2 37.8#

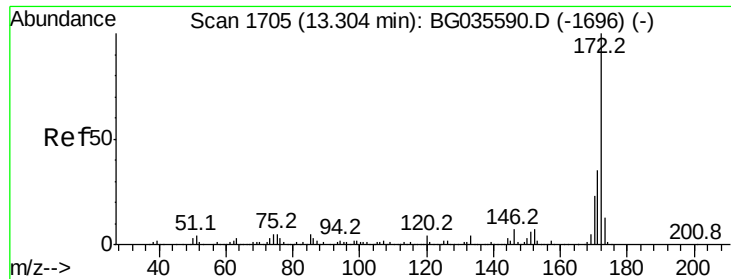


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

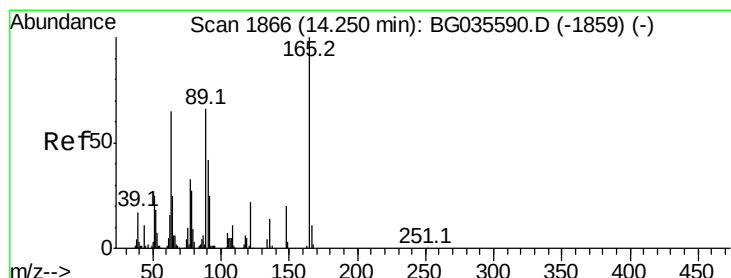
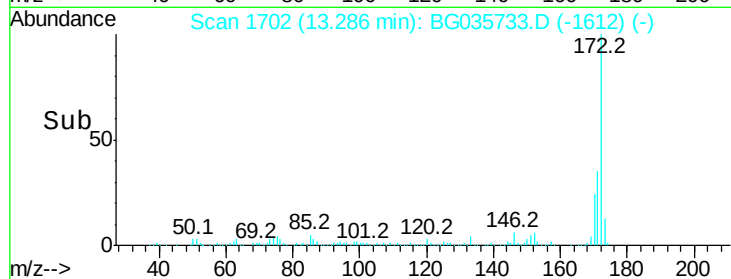
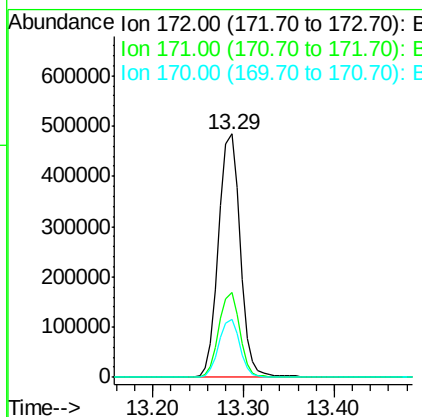
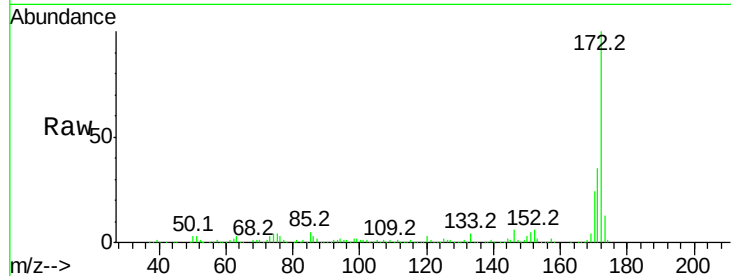




#44
 2-Fluorobiphenyl
 Concen: 87.243 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: BG035733.D
 Acq: 19 Jul 2018 1:24

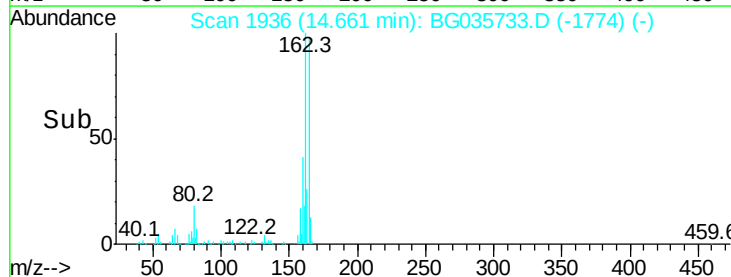
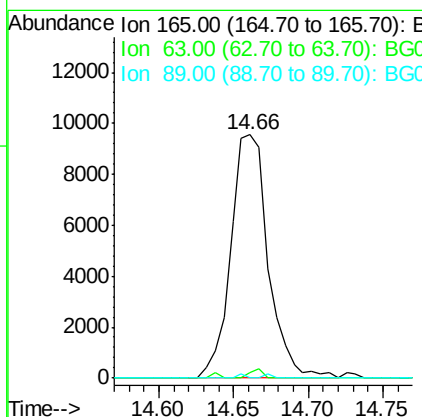
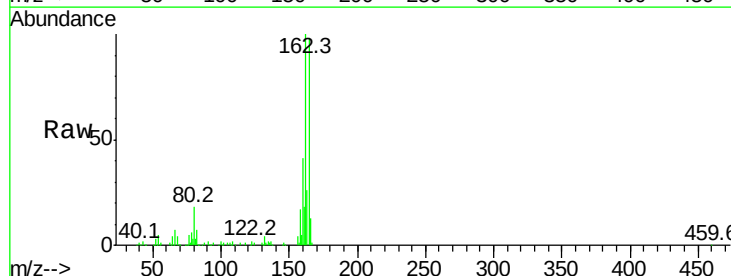
Instrument :
 BNA_G
 ClientSampleId :

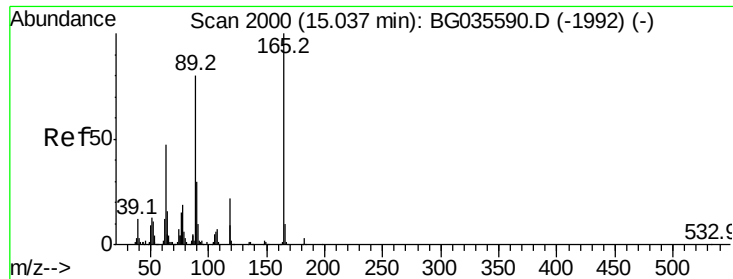
Tot Ion:172 Resp: 805072
 Ion Ratio Lower Upper
 172 100
 171 34.9 30.0 45.0
 170 23.7 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.574 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG035733.D
 Acq: 19 Jul 2018 1:24

Tgt Ion:165 Resp: 16706
 Ion Ratio Lower Upper
 165 100
 63 2.5 52.7 79.1#
 89 0.0 49.2 73.8#

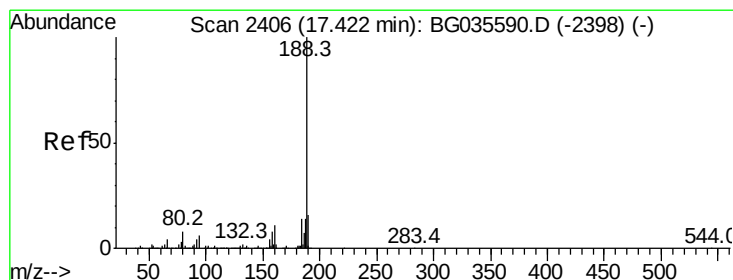
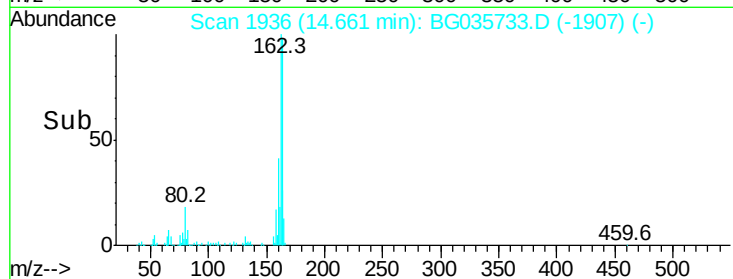
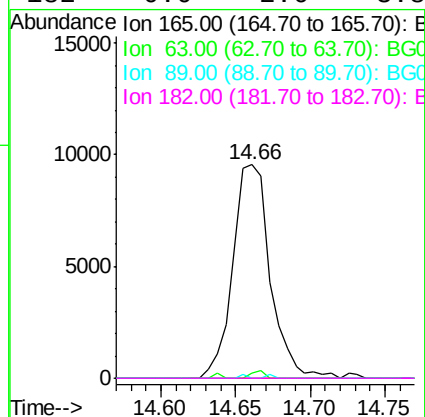
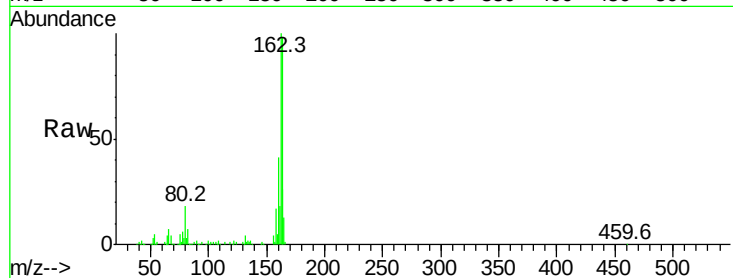




#56
2,4-Dinitrotoluene
Concen: 5.279 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.36 min
Lab File: BG035733.D
Acq: 19 Jul 2018 1:24

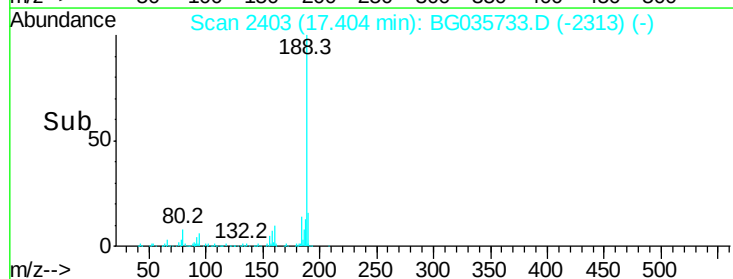
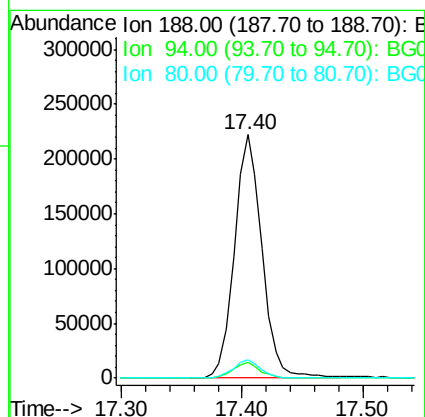
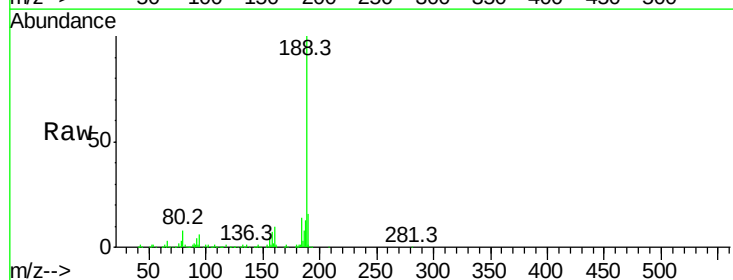
Instrument :
BNA_G
ClientSampleId :

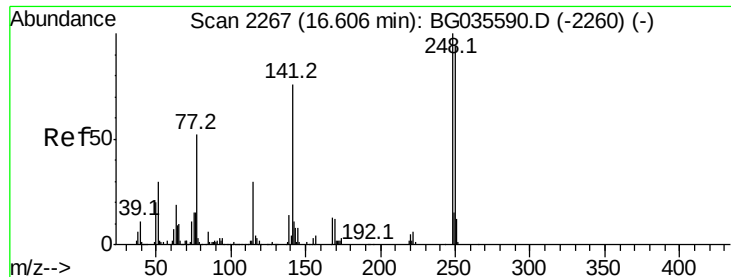
Tot Ion:165 Resp: 16706
Ion Ratio Lower Upper
165 100
63 2.5 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2403
Delta R.T. 0.00 min
Lab File: BG035733.D
Acq: 19 Jul 2018 1:24

Tgt Ion:188 Resp: 352085
Ion Ratio Lower Upper
188 100
94 6.4 6.9 10.3#
80 7.7 7.7 11.5

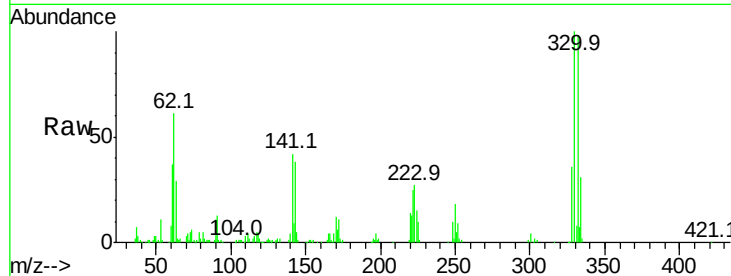




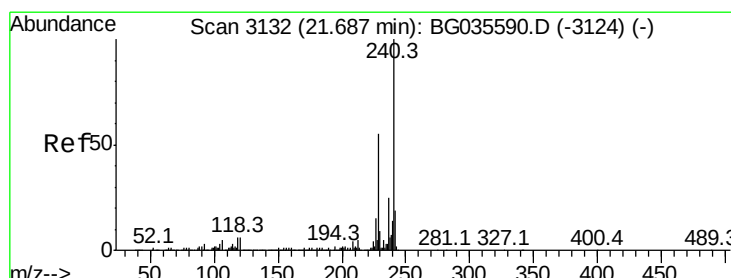
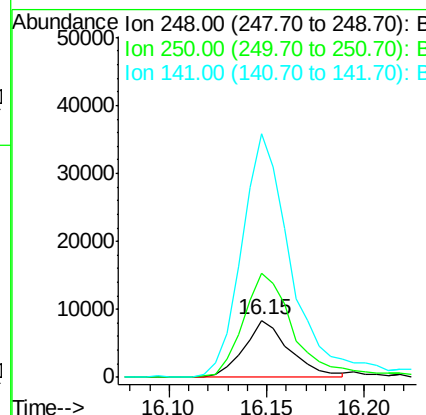
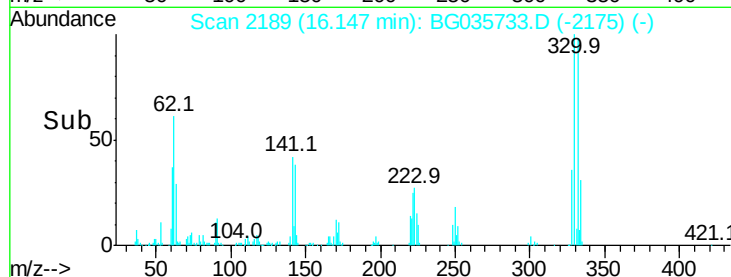
#66
4-Bromophenyl-phenylether
Concen: 3.305 ng
RT: 16.15 min Scan# 2189
Delta R.T. -0.45 min
Lab File: BG035733.D
Acq: 19 Jul 2018 1:24

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 13502
Ion Ratio Lower Upper
248 100
250 183.7 77.1 115.7#
141 428.2 50.8 76.2#

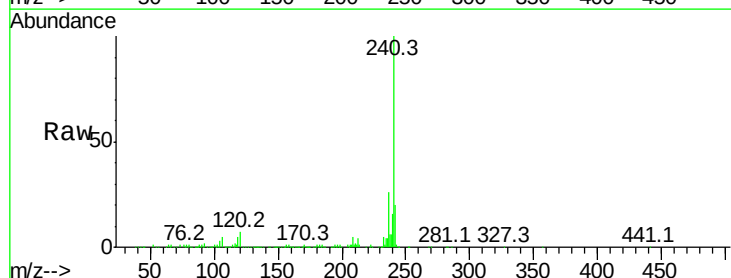


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

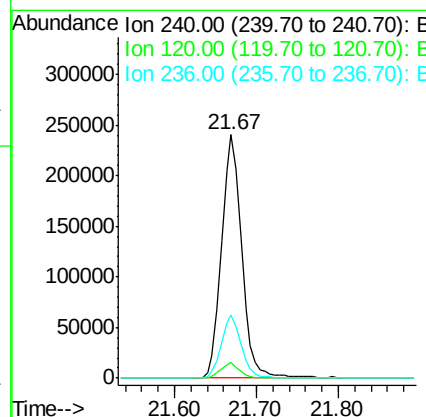
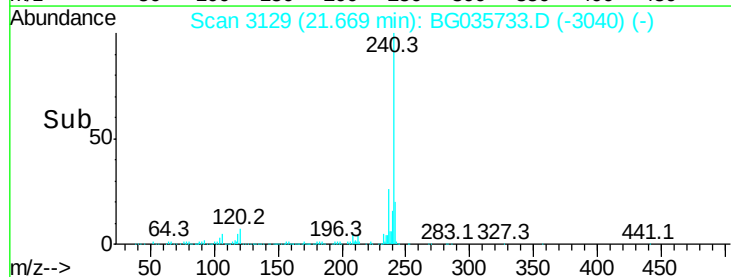


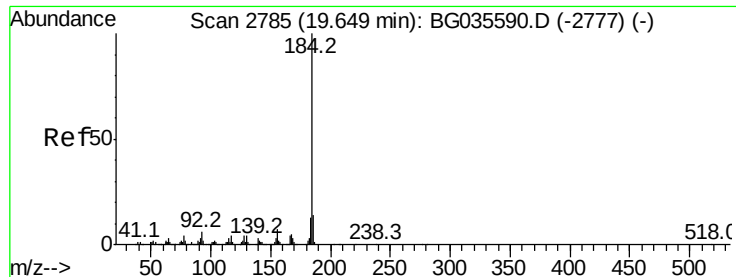
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.67 min Scan# 3129
Delta R.T. -0.01 min
Lab File: BG035733.D
Acq: 19 Jul 2018 1:24

Tgt Ion:240 Resp: 415583
Ion Ratio Lower Upper
240 100
120 6.6 6.8 10.2#
236 25.8 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: 2.558 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.38 min

Lab File: BG035733.D

Acq: 19 Jul 2018 1:24

Instrument :

BNA_G

ClientSampleId :

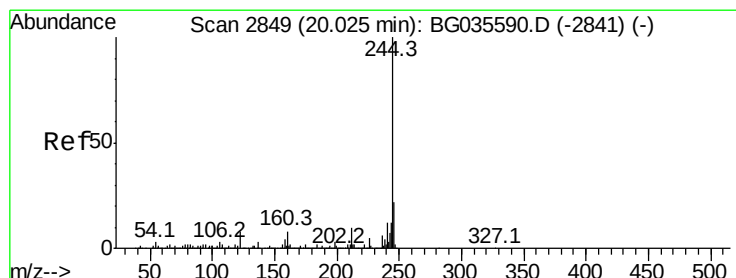
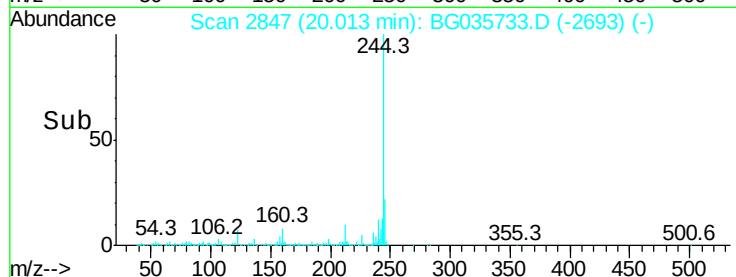
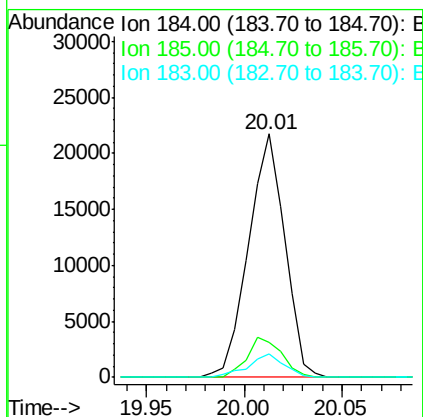
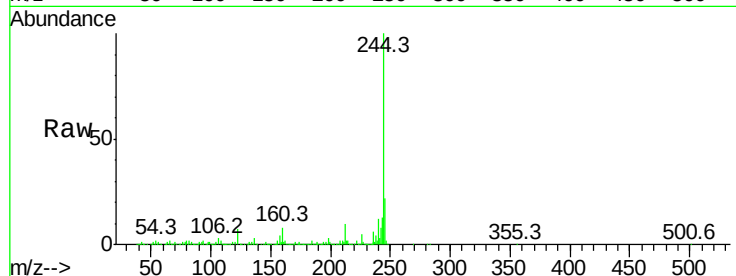
Tot Ion:184 Resp: 27945

Ion Ratio Lower Upper

184 100

185 14.5 11.1 16.7

183 9.5 10.6 16.0#



#78

Terphenyl-d14

Concen: 84.657 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.00 min

Lab File: BG035733.D

Acq: 19 Jul 2018 1:24

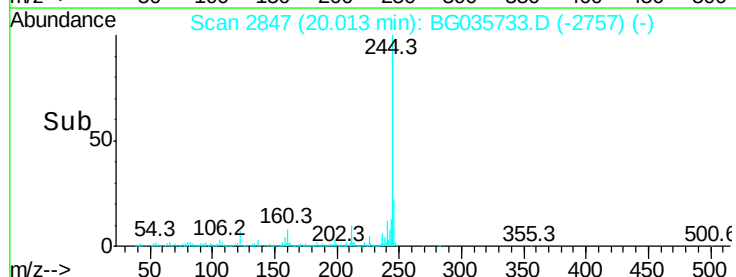
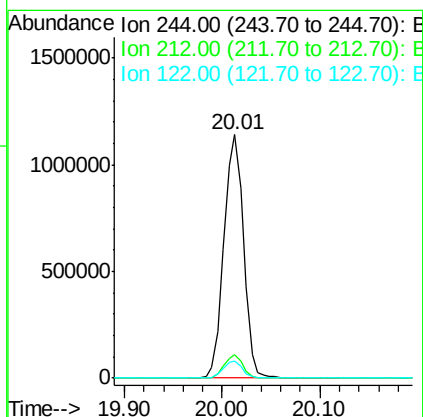
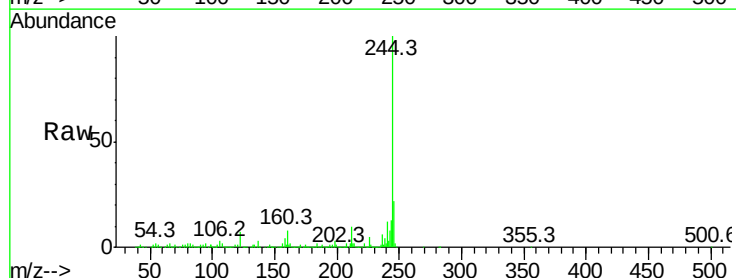
Tgt Ion:244 Resp: 1596061

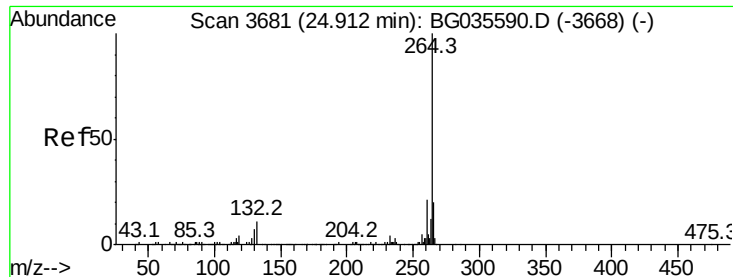
Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

122 7.2 7.0 10.4

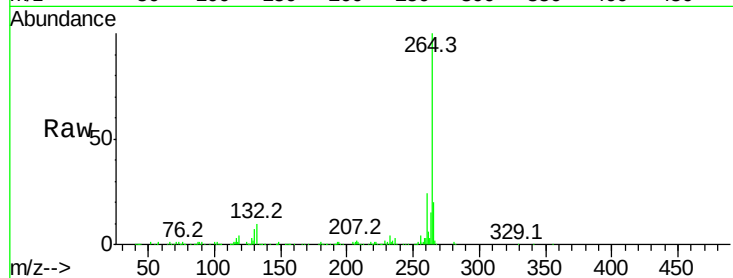




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.88 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: BG035733.D
 Acq: 19 Jul 2018 1:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.4	26.0
265	19.7	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

