

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080718\
 Data File : BG036167.D
 Acq On : 7 Aug 2018 18:23
 Operator : JU/SJ
 Sample : PB111787BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 08 01:03:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

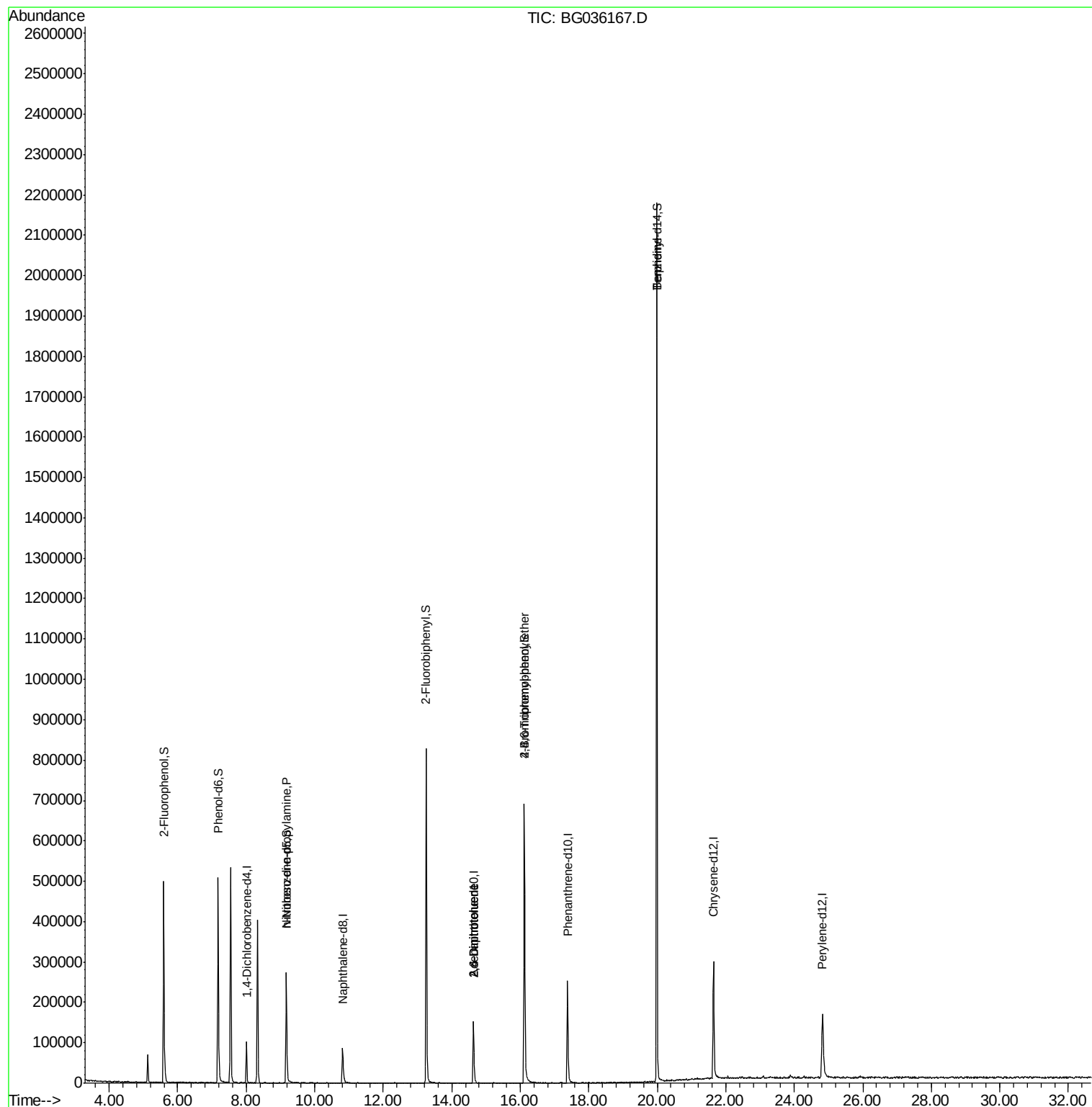
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	28139	20.00	ng	-0.02
21) Naphthalene-d8	10.82	136	97008	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	68686	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	204460	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	232729	20.00	ng	-0.02
86) Perylene-d12	24.83	264	218195	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	231432	136.55	ng	-0.01
7) Phenol-d6	7.18	99	318480	125.94	ng	-0.02
23) Nitrobenzene-d5	9.17	82	211425	91.05	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	157121	173.55	ng	-0.02
44) 2-Fluorobiphenyl	13.25	172	506171	98.73	ng	-0.02
78) Terphenyl-d14	19.99	244	1119693	106.05	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	28333	13.306	ng	# 67
50) 2,6-Dinitrotoluene	14.64	165	9310	7.597	ng	# 22
56) 2,4-Dinitrotoluene	14.64	165	9310	5.295	ng	# 20
66) 4-Bromophenyl-phenylether	16.12	248	12231	5.156	ng	# 1
76) Benzidine	19.99	184	19865	3.247	ng	# 92

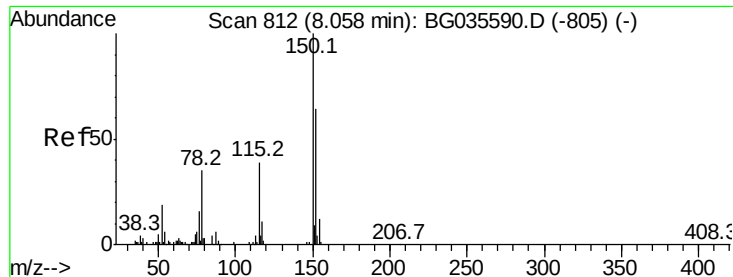
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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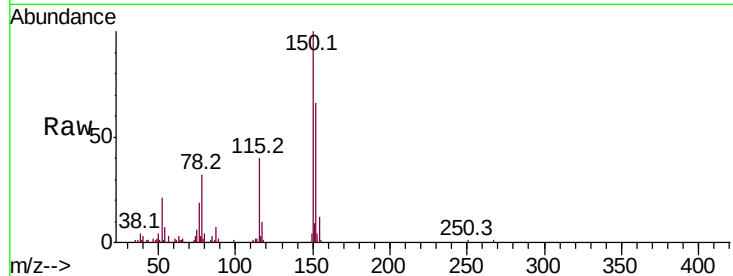


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036167.D
Acq: 7 Aug 2018 18:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	126.6	189.8
115	61.1	53.0	79.4

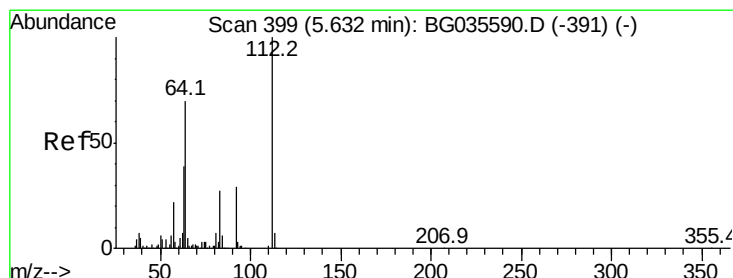
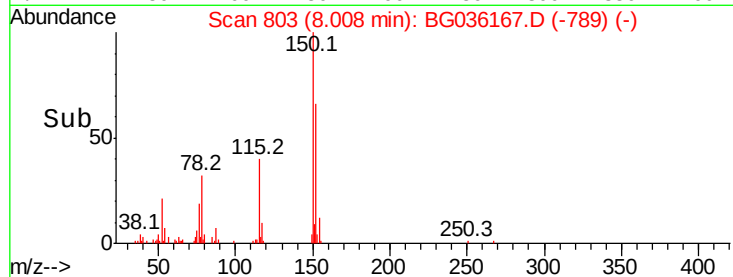
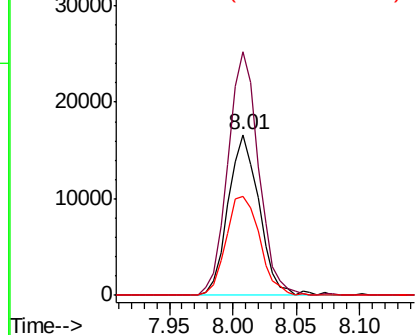


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

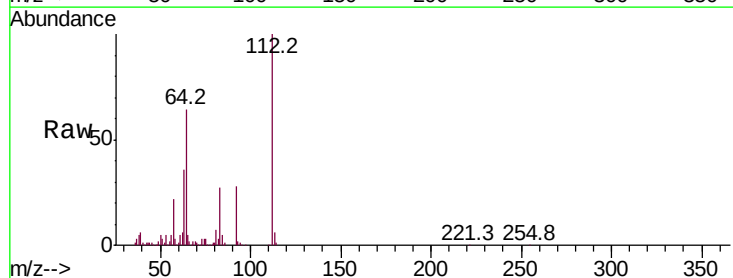
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 136.548 ng
RT: 5.59 min Scan# 392
Delta R.T. -0.01 min
Lab File: BG036167.D
Acq: 7 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	56.3	84.5
63	36.2	30.1	45.1

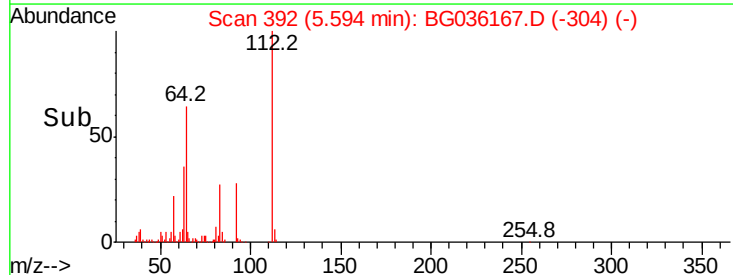
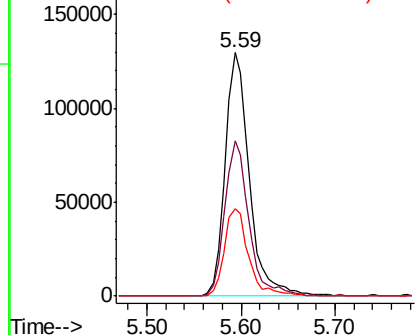


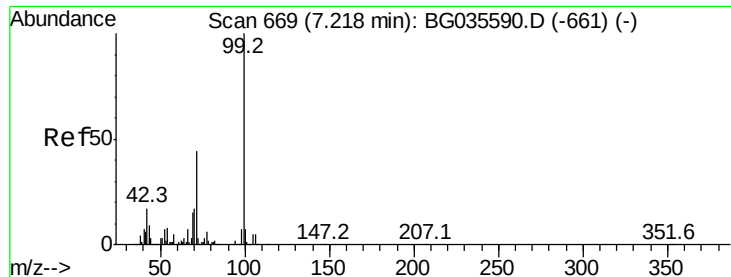
Abundance

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: 125.944 ng

RT: 7.18 min Scan# 662

Delta R.T. -0.02 min

Lab File: BG036167.D

Acq: 7 Aug 2018 18:23

Instrument :

BNA_G

ClientSampleId :

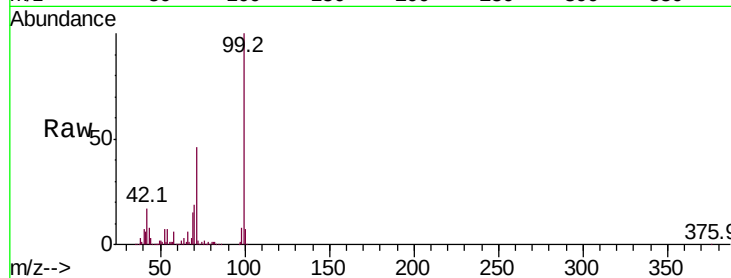
Tot Ion: 99 Resp: 318480

Ion Ratio Lower Upper

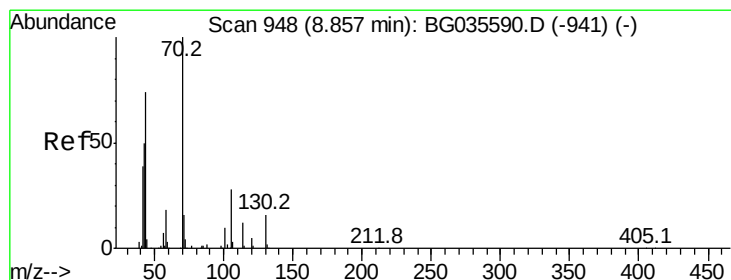
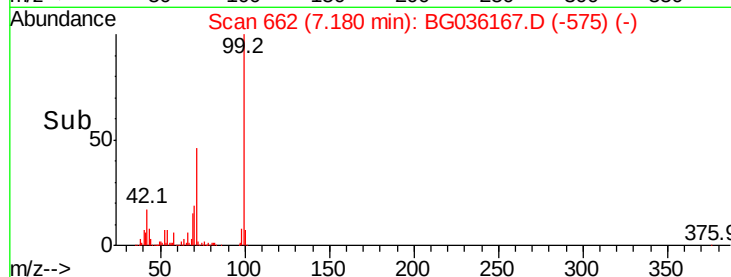
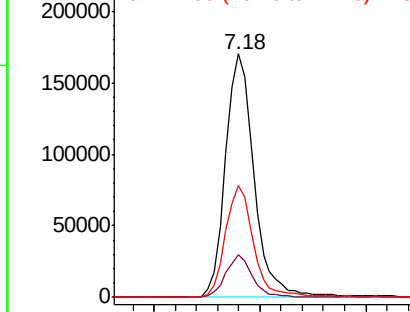
99 100

42 17.5 14.1 21.1

71 45.7 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: 13.306 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036167.D

Acq: 7 Aug 2018 18:23

Tgt Ion: 70 Resp: 28333

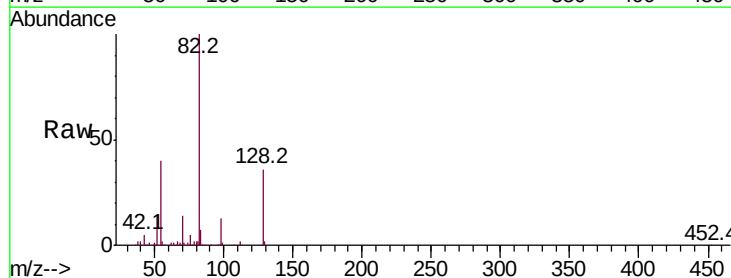
Ion Ratio Lower Upper

70 100

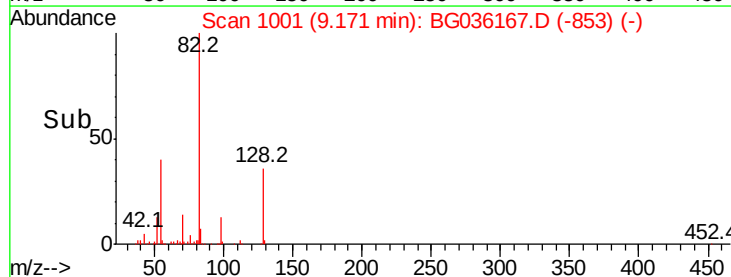
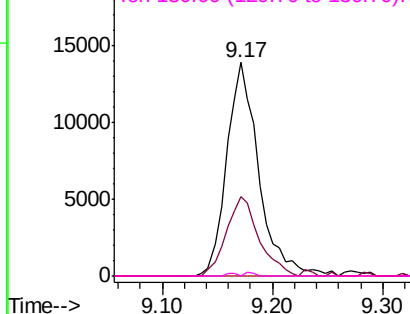
42 37.0 49.1 73.7#

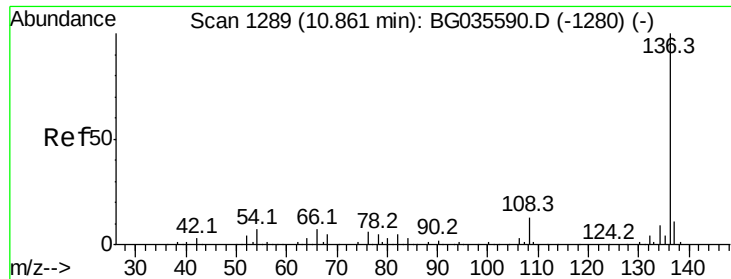
101 0.0 8.5 12.7#

130 0.0 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: 10.82 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BG036167.D

Acq: 7 Aug 2018 18:23

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 97008

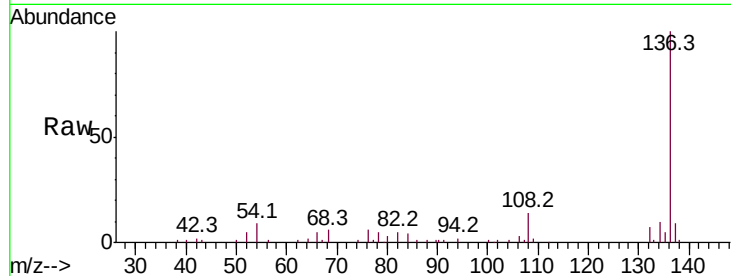
Ion Ratio Lower Upper

136 100

137 9.1 9.2 13.8#

54 8.6 10.3 15.5#

68 6.1 4.5 6.7

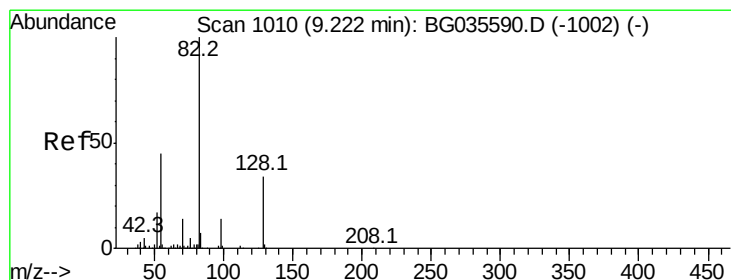
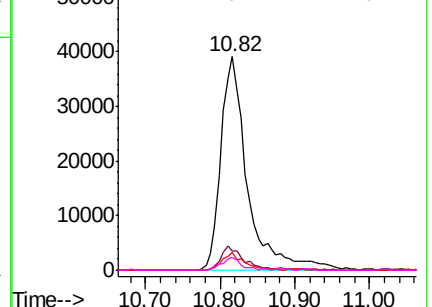
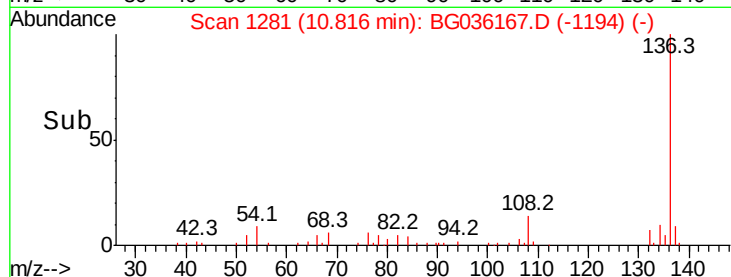


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#23

Nitrobenzene-d5

Concen: 91.046 ng

RT: 9.17 min Scan# 1001

Delta R.T. -0.02 min

Lab File: BG036167.D

Acq: 7 Aug 2018 18:23

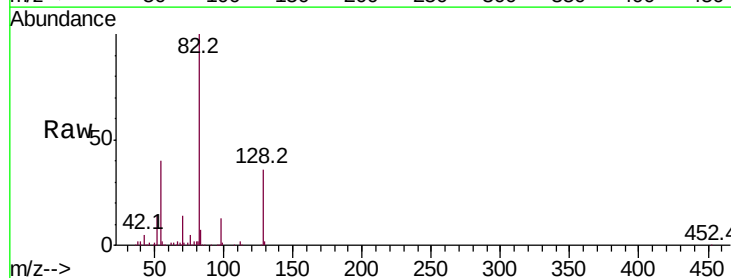
Tgt Ion: 82 Resp: 211425

Ion Ratio Lower Upper

82 100

128 36.3 29.7 44.5

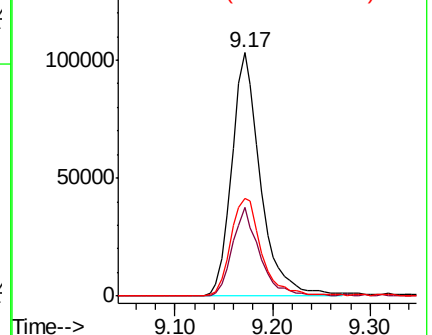
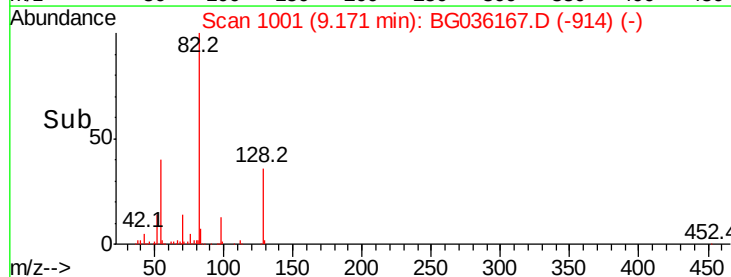
54 40.0 43.1 64.7#

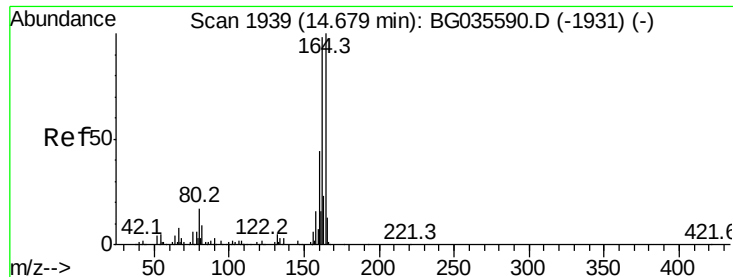


Abundance Ion 82.00 (81.70 to 82.70): BG

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036167.D

Acq: 7 Aug 2018 18:23

Instrument :

BNA_G

ClientSampleId :

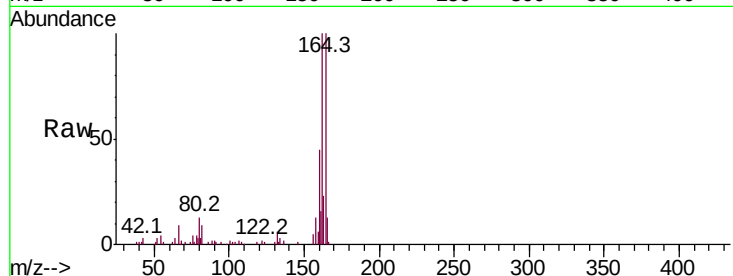
Tot Ion:164 Resp: 68686

Ion Ratio Lower Upper

164 100

162 100.1 78.8 118.2

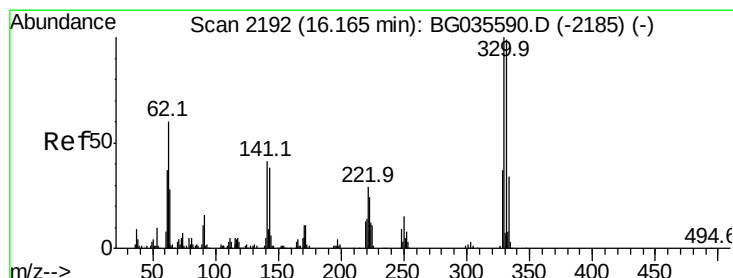
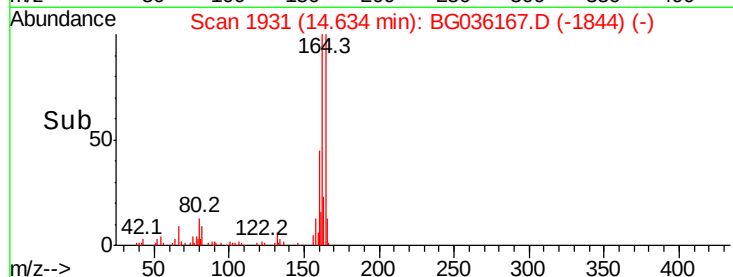
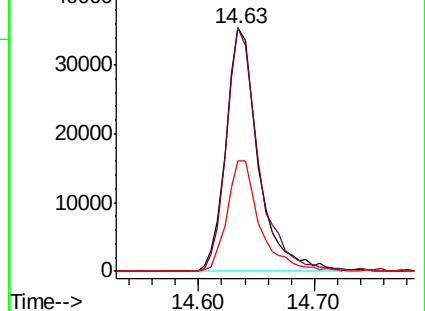
160 45.5 35.4 53.0



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: 173.552 ng

RT: 16.13 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036167.D

Acq: 7 Aug 2018 18:23

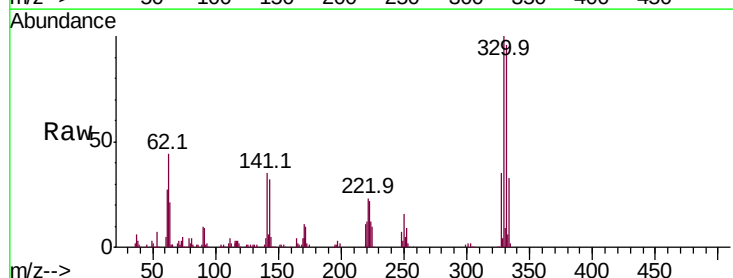
Tgt Ion:330 Resp: 157121

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

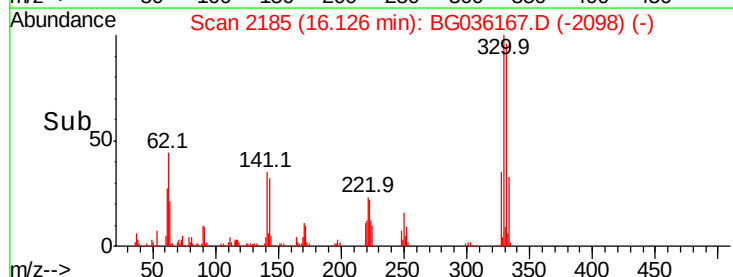
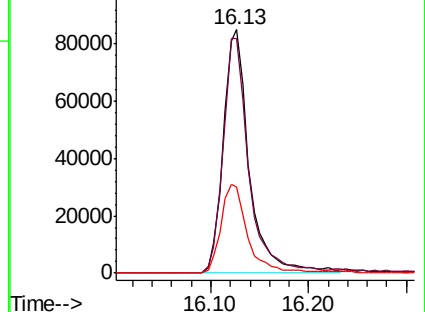
141 37.0 25.2 37.8

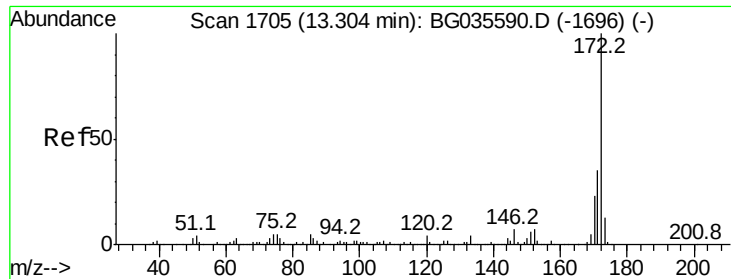


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

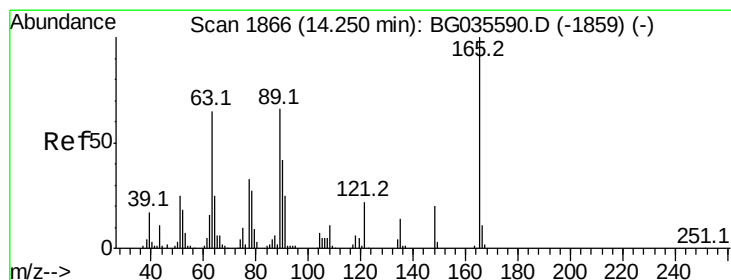
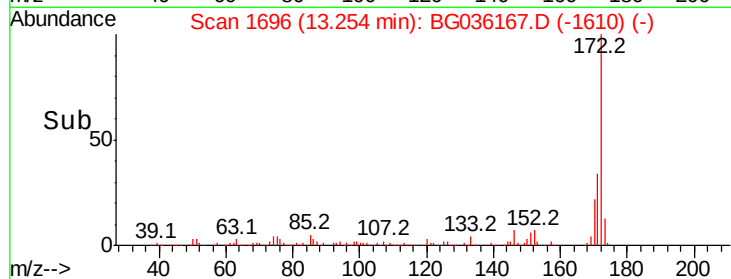
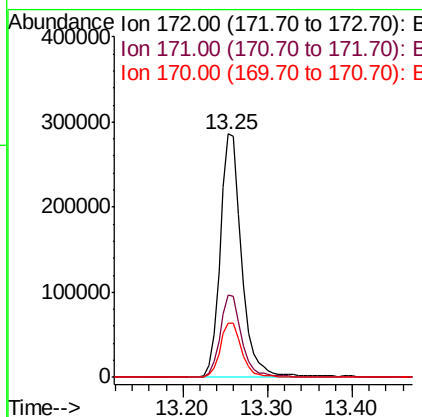
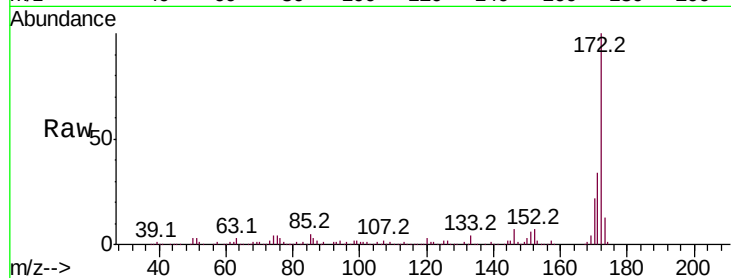




#44
 2-Fluorobiphenyl
 Concen: 98.730 ng
 RT: 13.25 min Scan# 1696
 Delta R.T. -0.02 min
 Lab File: BG036167.D
 Acq: 7 Aug 2018 18:23

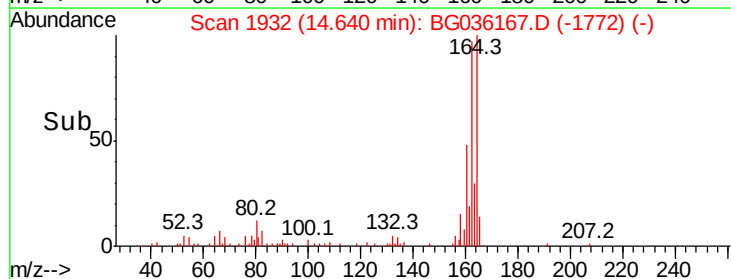
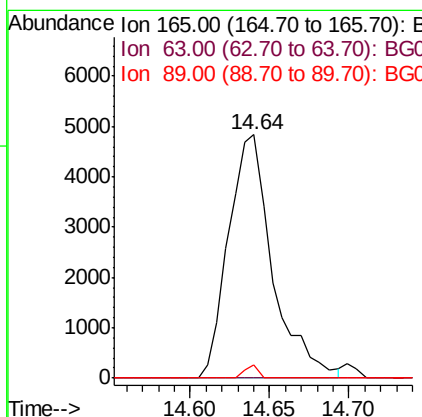
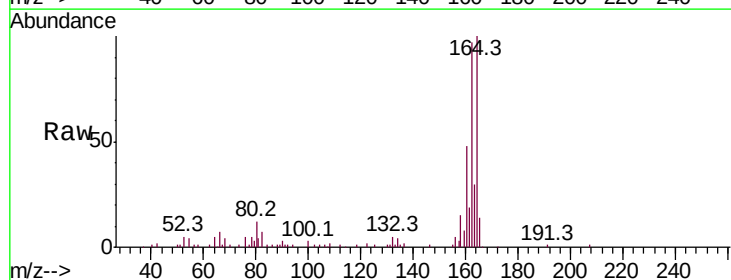
Instrument :
 BNA_G
 ClientSampleId :

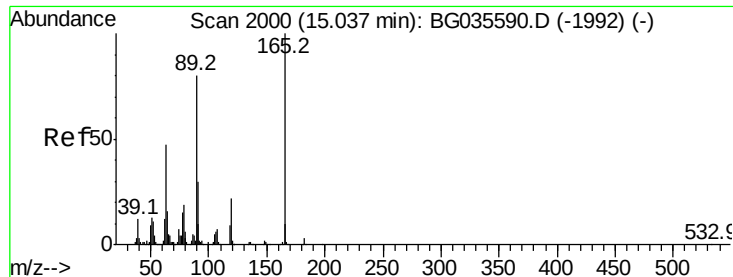
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.1	30.0	45.0
170	22.2	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.597 ng
 RT: 14.64 min Scan# 1932
 Delta R.T. 0.41 min
 Lab File: BG036167.D
 Acq: 7 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	5.3	49.2	73.8#

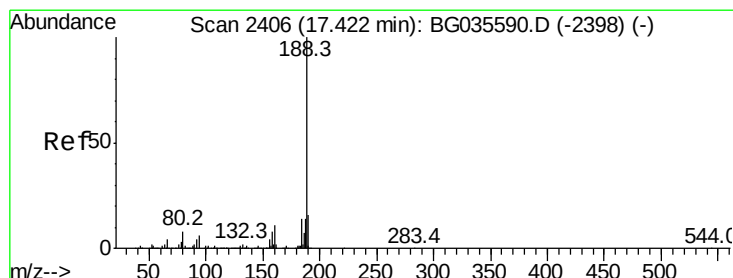
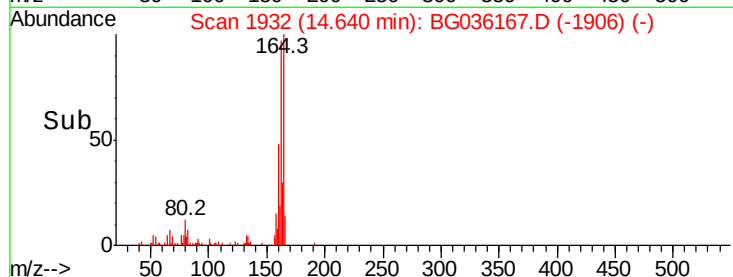
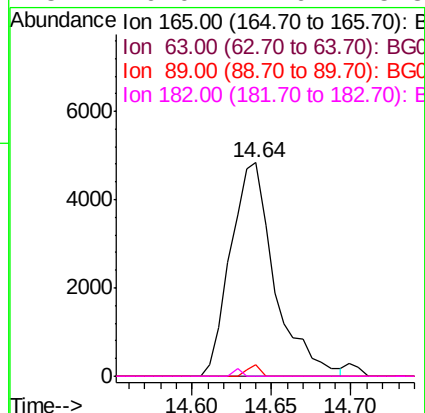
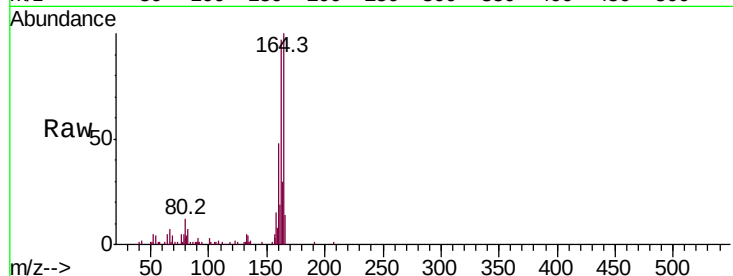




#56
2,4-Dinitrotoluene
Concen: 5.295 ng
RT: 14.64 min Scan# 1932
Delta R.T. -0.37 min
Lab File: BG036167.D
Acq: 7 Aug 2018 18:23

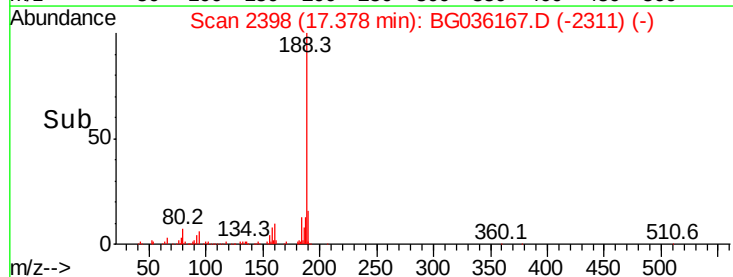
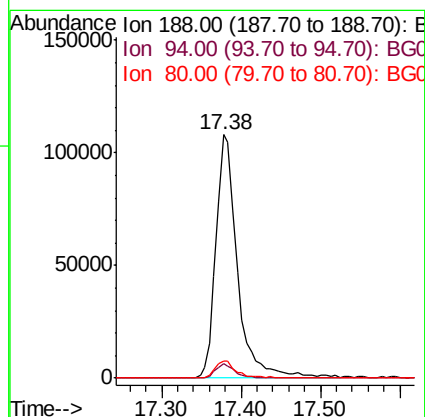
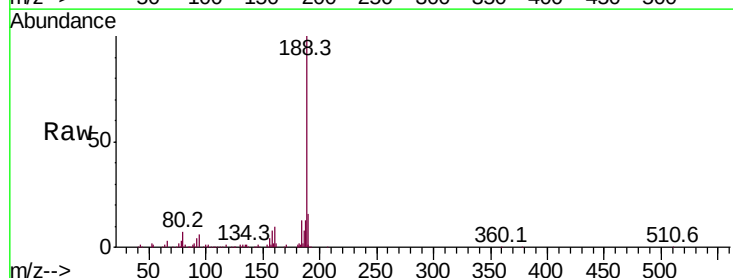
Instrument :
BNA_G
ClientSampleId :

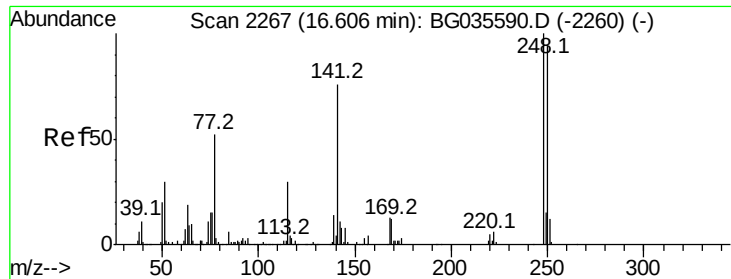
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	5.3	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.38 min Scan# 2398
Delta R.T. -0.02 min
Lab File: BG036167.D
Acq: 7 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	6.9	10.3#
80	7.2	7.7	11.5#

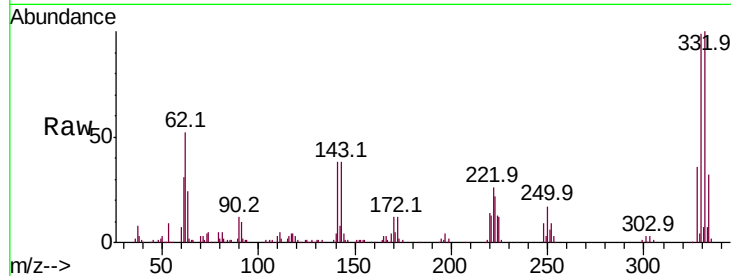




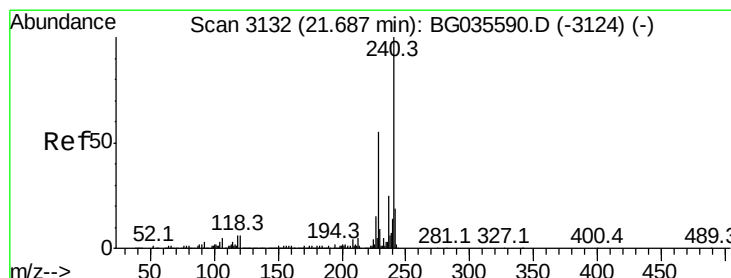
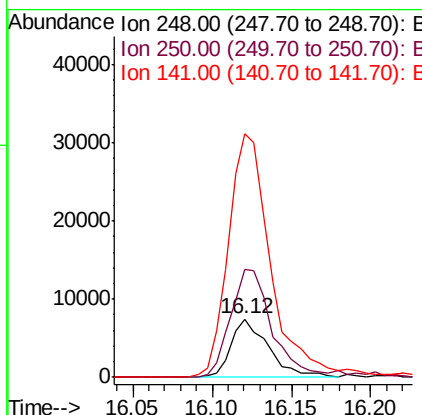
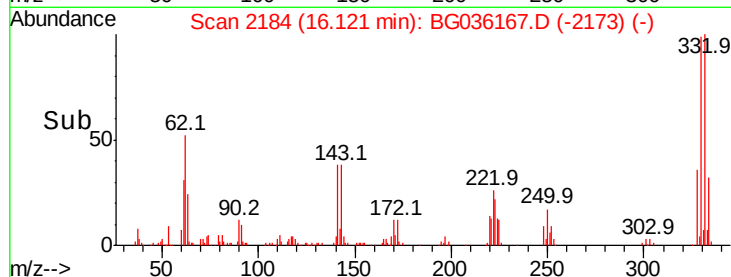
#66
 4-Bromophenyl-phenylether
 Concen: 5.156 ng
 RT: 16.12 min Scan# 2184
 Delta R.T. -0.46 min
 Lab File: BG036167.D
 Acq: 7 Aug 2018 18:23

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 12231
 Ion Ratio Lower Upper
 248 100
 250 185.1 77.1 115.7#
 141 418.2 50.8 76.2#

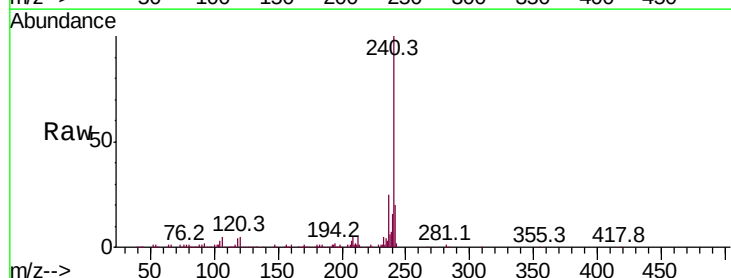


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

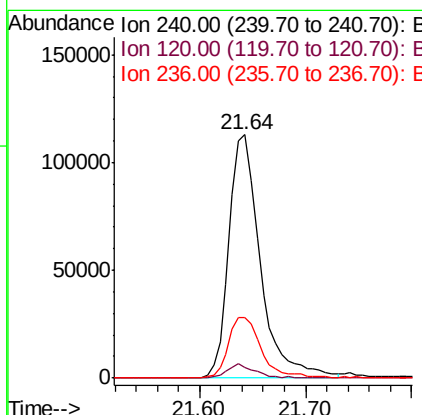
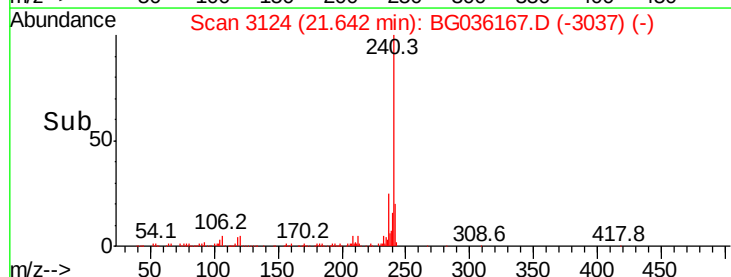


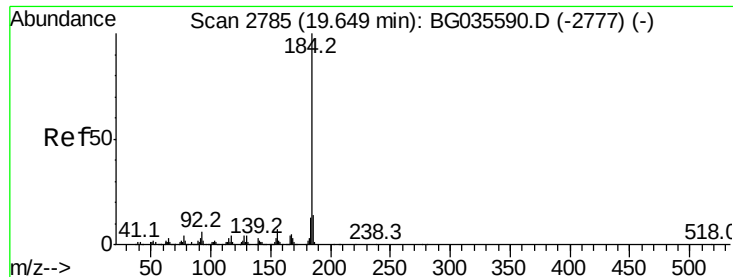
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BG036167.D
 Acq: 7 Aug 2018 18:23

Tgt Ion:240 Resp: 232729
 Ion Ratio Lower Upper
 240 100
 120 4.5 6.8 10.2#
 236 25.1 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: 3.247 ng

RT: 19.99 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036167.D

Acq: 7 Aug 2018 18:23

Instrument :

BNA_G

ClientSampleId :

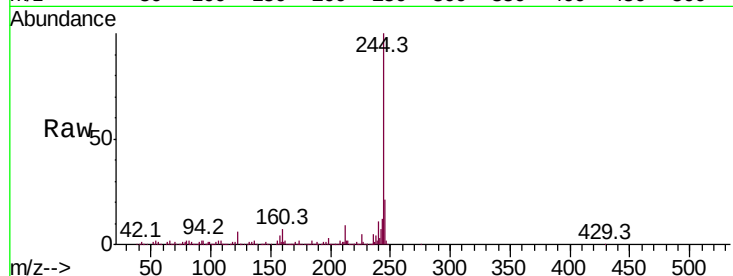
Tot Ion:184 Resp: 19865

Ion Ratio Lower Upper

184 100

185 11.2 11.1 16.7

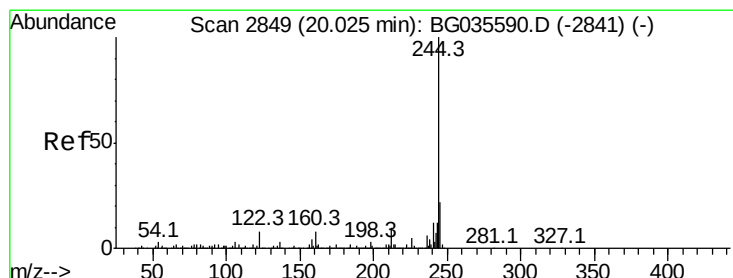
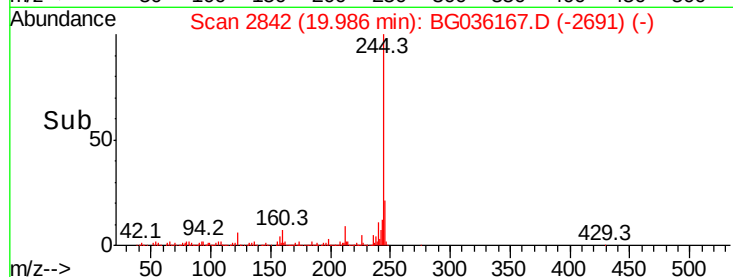
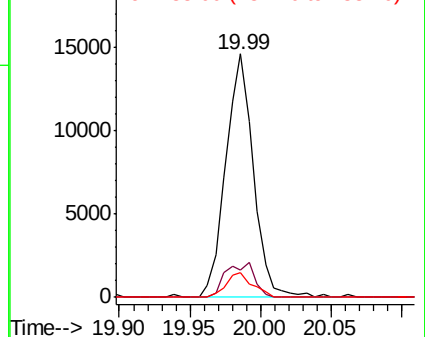
183 9.9 10.6 16.0#



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: 106.052 ng

RT: 19.99 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036167.D

Acq: 7 Aug 2018 18:23

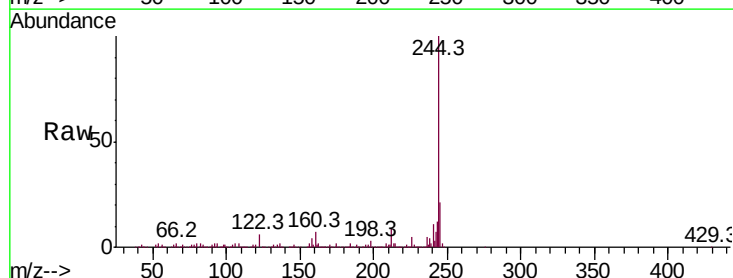
Tgt Ion:244 Resp: 1119693

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

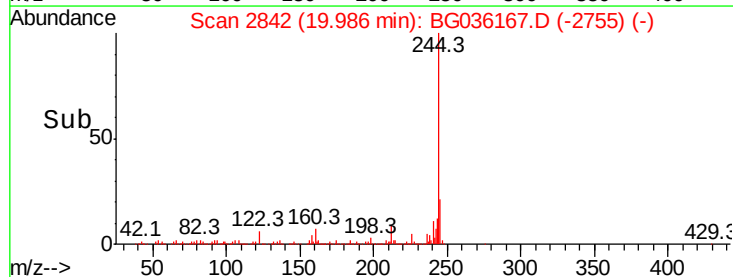
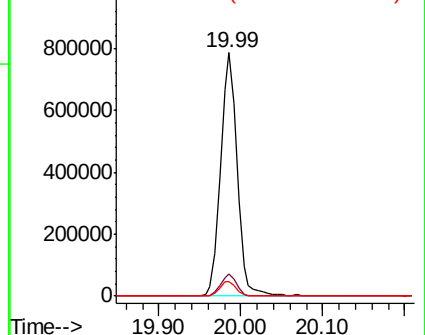
122 6.2 7.0 10.4#

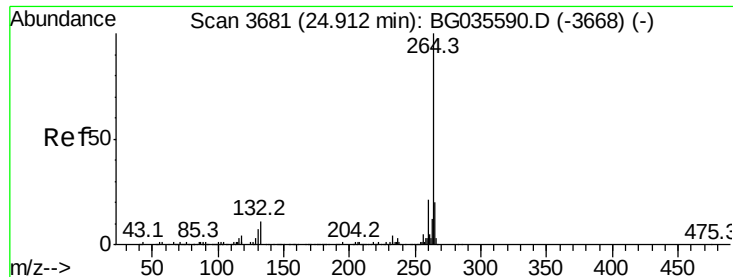


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3666
Delta R.T. -0.03 min
Lab File: BG036167.D
Acq: 7 Aug 2018 18:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.4	26.0
265	20.5	17.7	26.5

