

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080718\
 Data File : BG036185.D
 Acq On : 8 Aug 2018 6:50
 Operator : JU/SJ
 Sample : PB111739BL
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 08 07:41:15 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

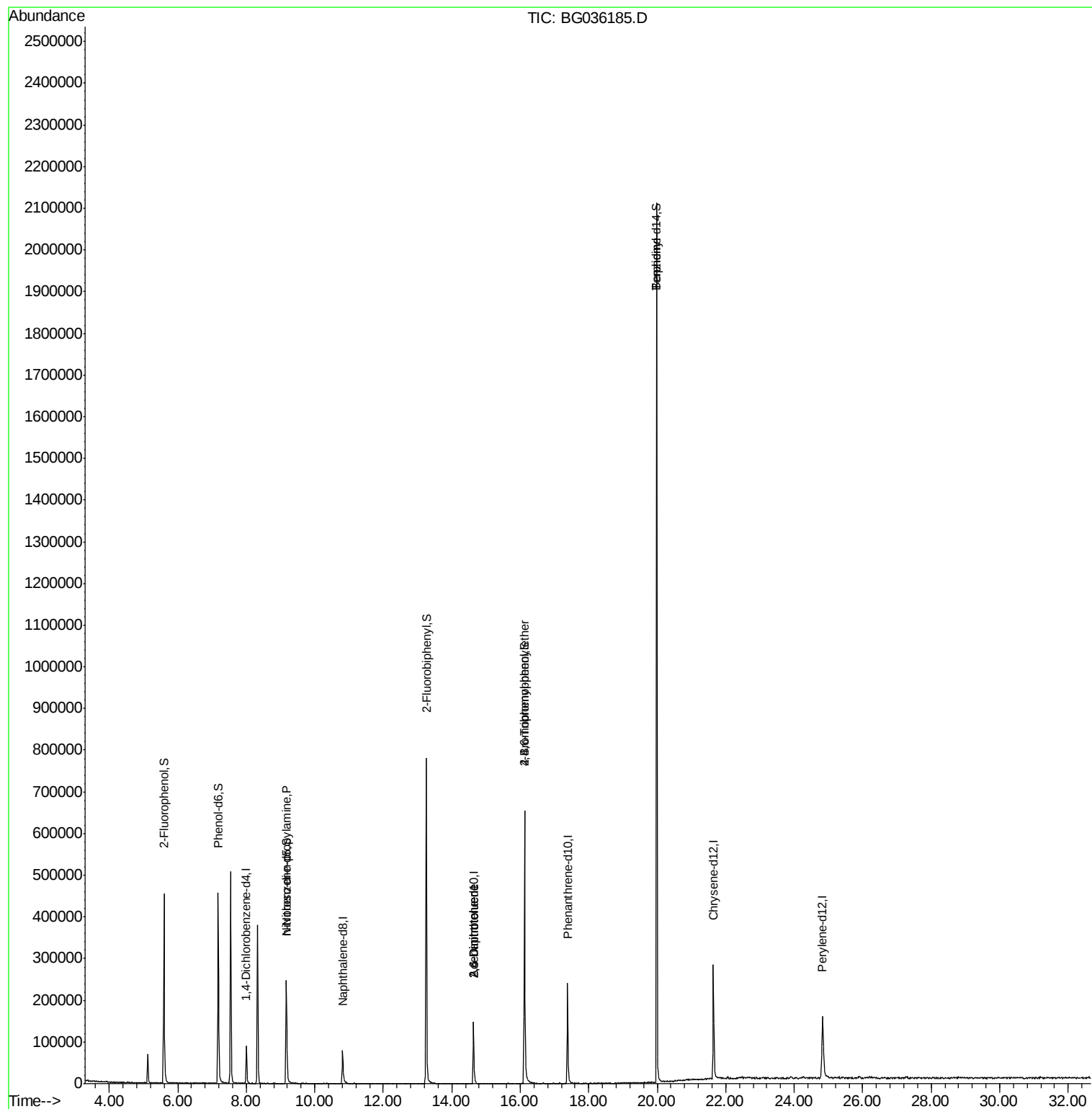
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	26225	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	84992	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	63830	20.00	ng	-0.01
63) Phenanthrene-d10	17.38	188	191524	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	219343	20.00	ng	-0.02
86) Perylene-d12	24.82	264	197347	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	213632	135.24	ng	0.00
7) Phenol-d6	7.18	99	300107	127.34	ng	-0.01
23) Nitrobenzene-d5	9.17	82	196035	96.35	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	148250	176.21	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	474647	99.62	ng	-0.02
78) Terphenyl-d14	19.98	244	1064619	106.99	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	27706	13.961	ng	# 62
50) 2,6-Dinitrotoluene	14.64	165	8841	7.763	ng	# 18
56) 2,4-Dinitrotoluene	14.64	165	8841	5.411	ng	# 16
66) 4-Bromophenyl-phenylether	16.12	248	12286	5.529	ng	# 1
76) Benzidine	19.98	184	17687	3.067	ng	# 86

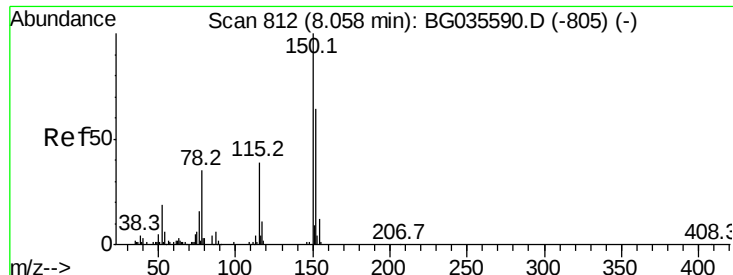
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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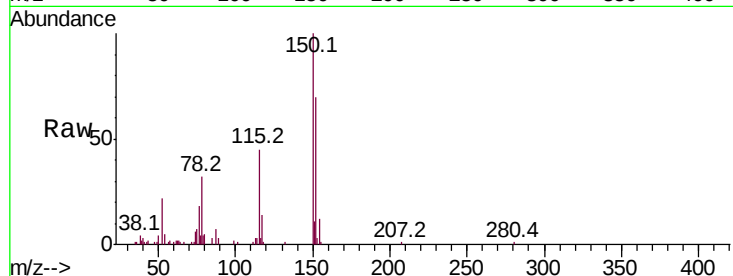


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036185.D
Acq: 8 Aug 2018 6:50

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.3	126.6	189.8
115	64.4	53.0	79.4

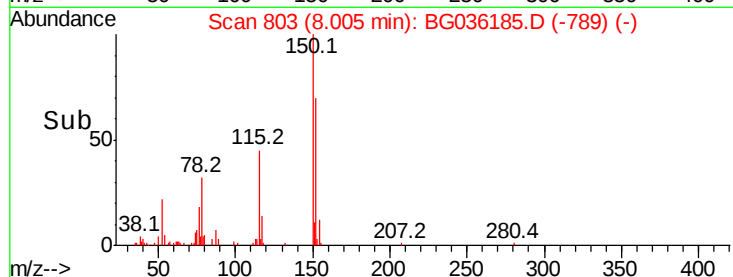
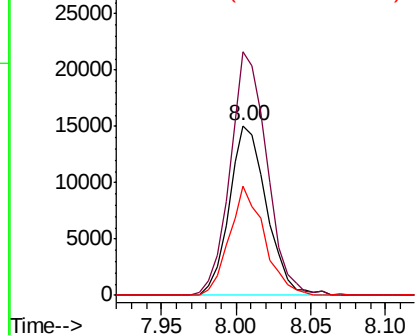


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

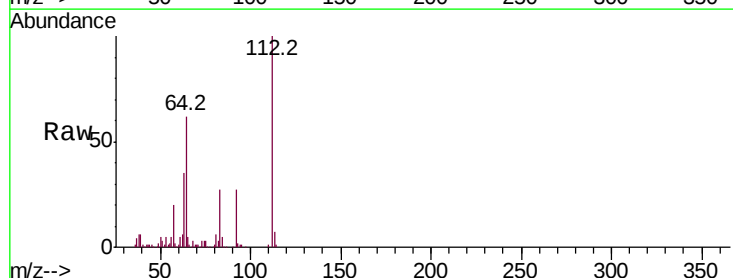
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 135.245 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036185.D
Acq: 8 Aug 2018 6:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	56.3	84.5
63	35.2	30.1	45.1

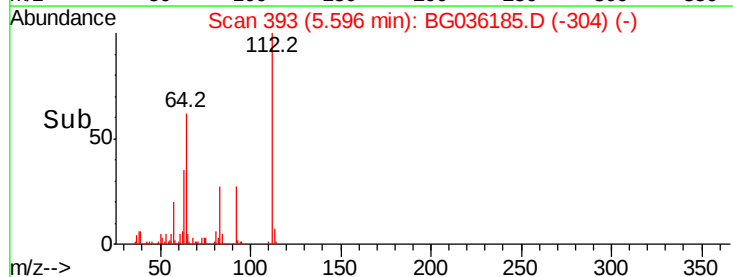
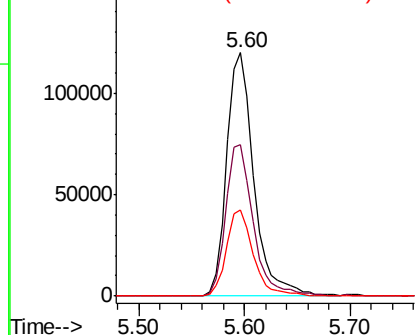


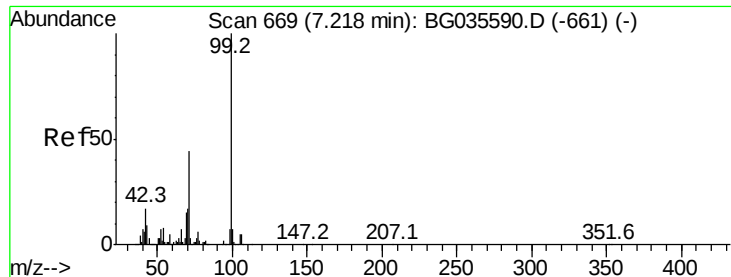
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 127.340 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036185.D

Acq: 8 Aug 2018 6:50

Instrument :

BNA_G

ClientSampleId :

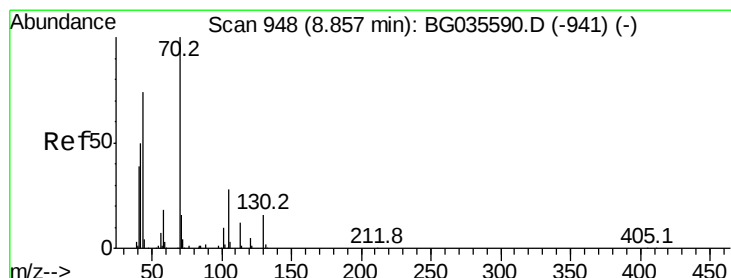
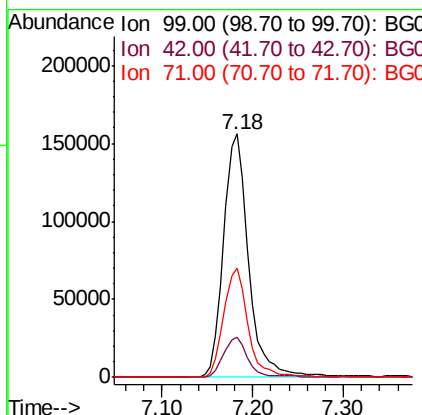
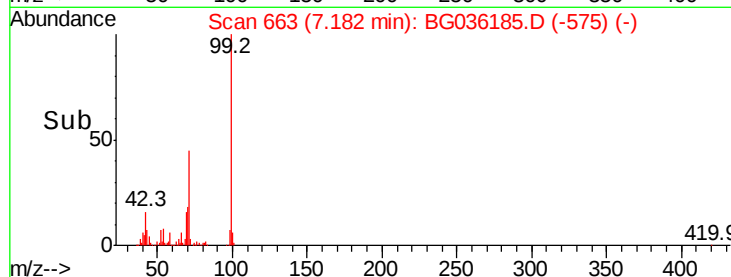
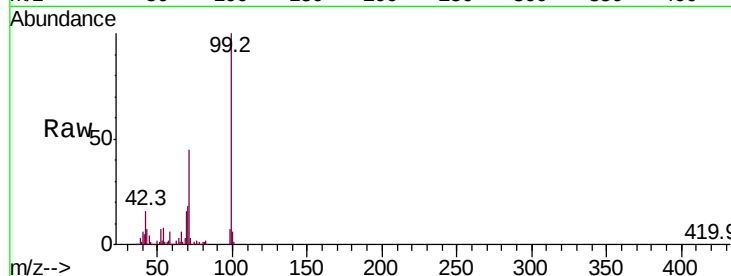
Tot Ion: 99 Resp: 300107

Ion Ratio Lower Upper

99 100

42 16.4 14.1 21.1

71 44.8 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.961 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036185.D

Acq: 8 Aug 2018 6:50

Tgt Ion: 70 Resp: 27706

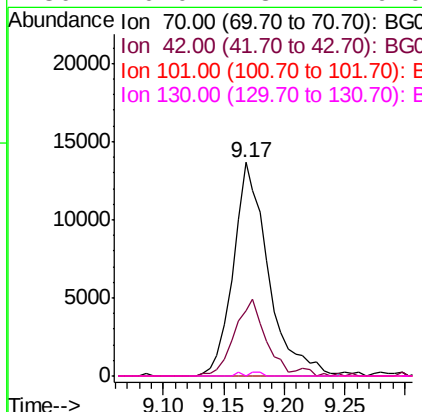
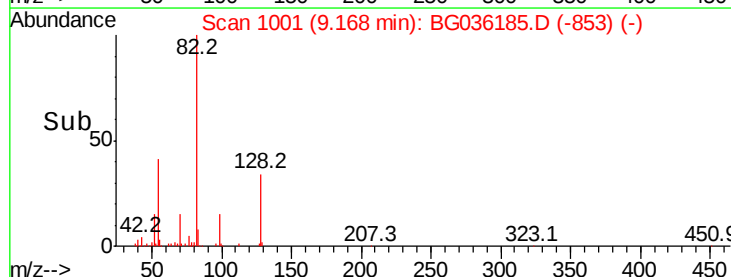
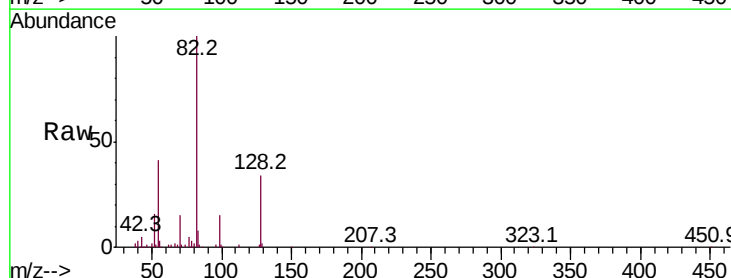
Ion Ratio Lower Upper

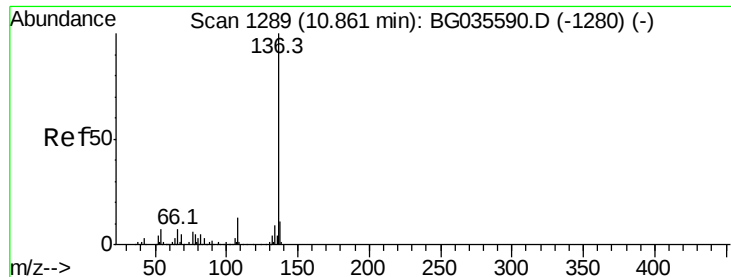
70 100

42 30.8 49.1 73.7#

101 0.0 8.5 12.7#

130 0.0 13.4 20.0#

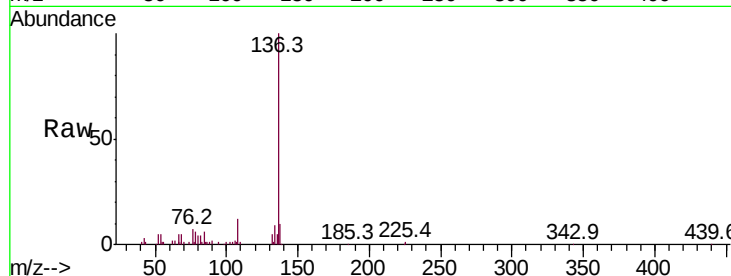




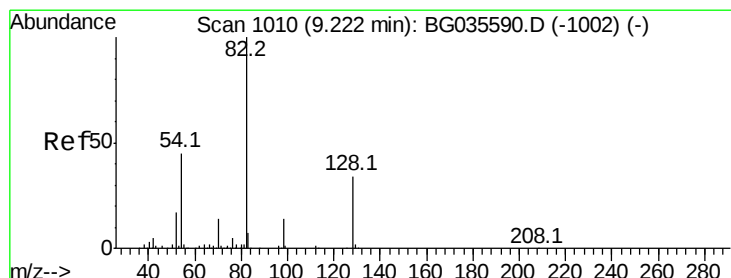
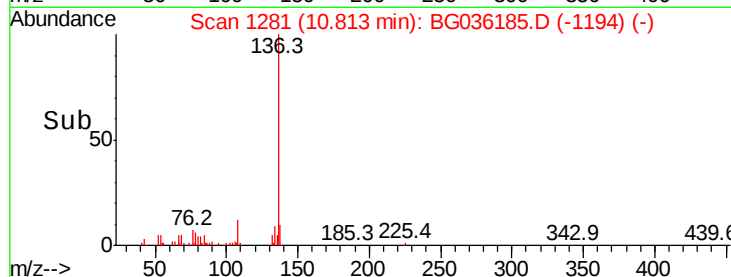
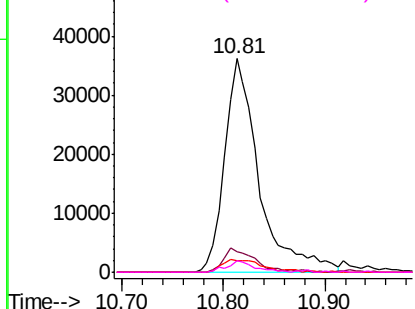
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036185.D
Acq: 8 Aug 2018 6:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	84992
Ion	Ratio	Lower	Upper
136	100		
137	9.8	9.2	13.8
54	5.4	10.3	15.5#
68	5.2	4.5	6.7

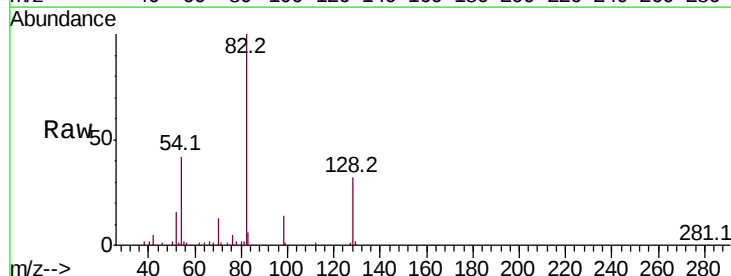


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

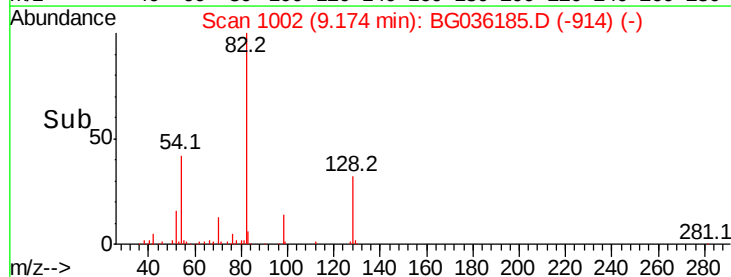
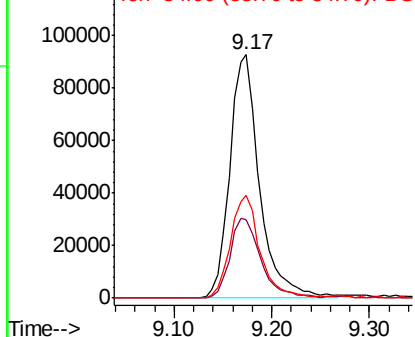


#23
Nitrobenzene-d5
Concen: 96.354 ng
RT: 9.17 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BG036185.D
Acq: 8 Aug 2018 6:50

Tgt Ion:	82	Resp:	196035
Ion	Ratio	Lower	Upper
82	100		
128	32.5	29.7	44.5
54	42.2	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: 14.64 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG036185.D

Acq: 8 Aug 2018 6:50

Instrument :

BNA_G

ClientSampleId :

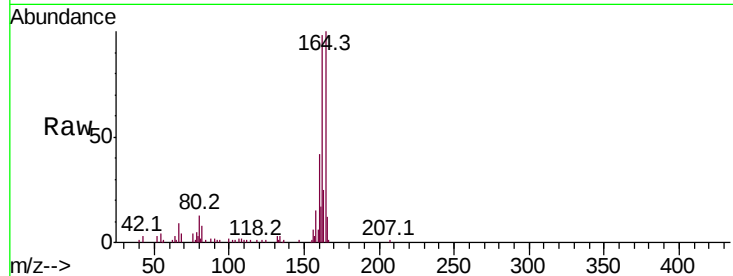
Tot Ion:164 Resp: 63830

Ion Ratio Lower Upper

164 100

162 98.2 78.8 118.2

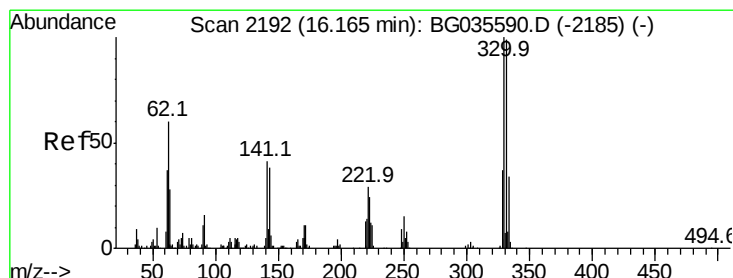
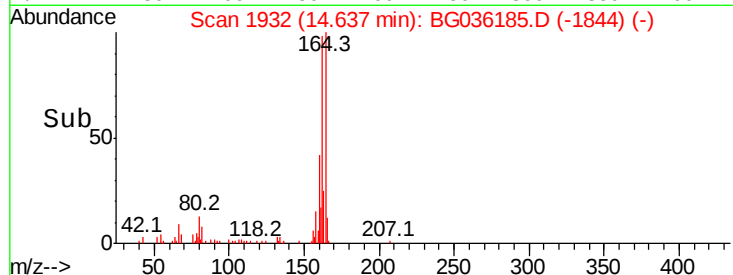
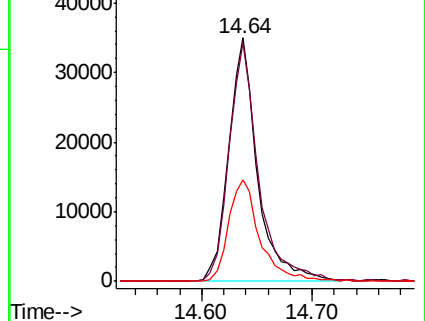
160 41.5 35.4 53.0



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: 176.211 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036185.D

Acq: 8 Aug 2018 6:50

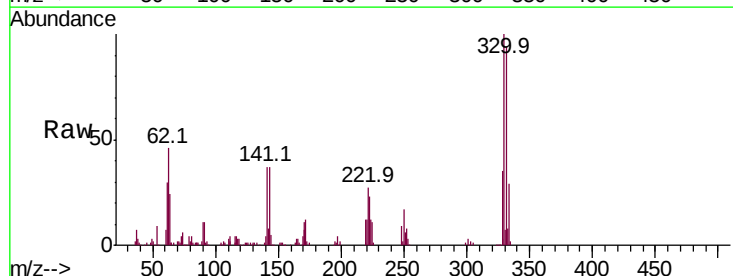
Tgt Ion:330 Resp: 148250

Ion Ratio Lower Upper

330 100

332 94.2 77.0 115.6

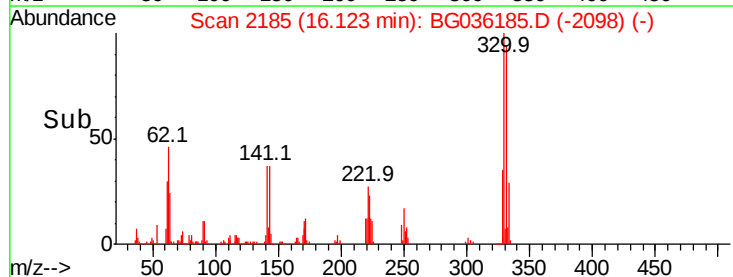
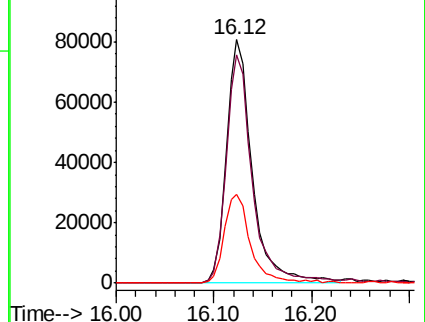
141 37.6 25.2 37.8

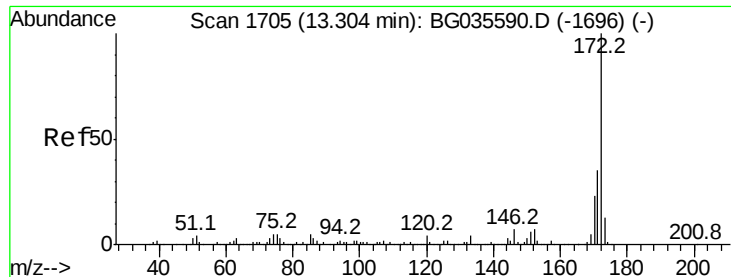


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

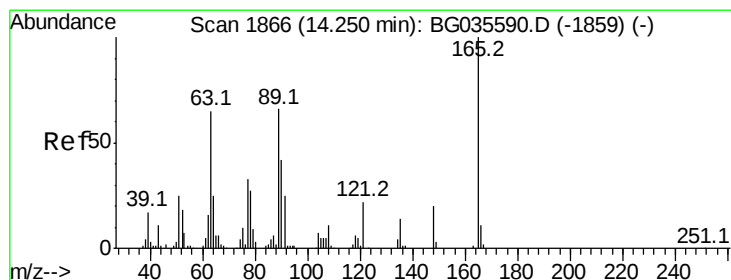
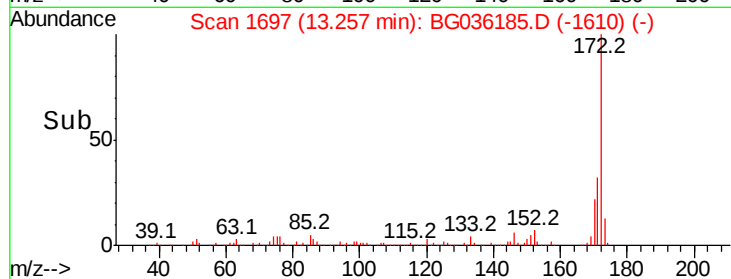
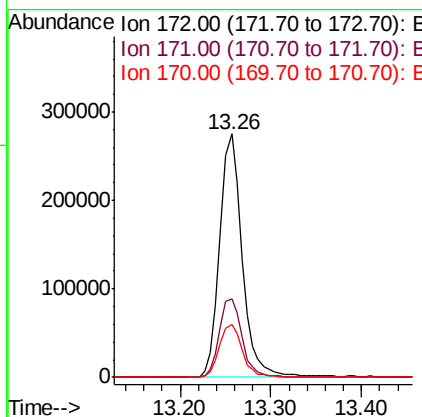
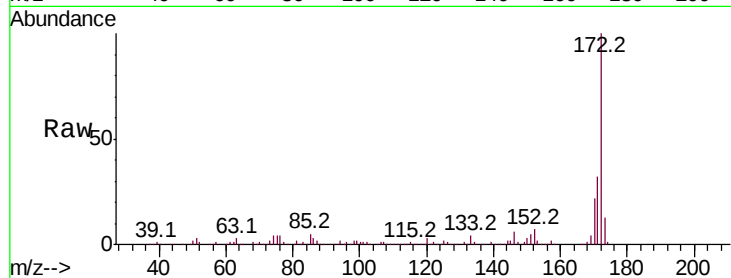




#44
 2-Fluorobiphenyl
 Concen: 99.625 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036185.D
 Acq: 8 Aug 2018 6:50

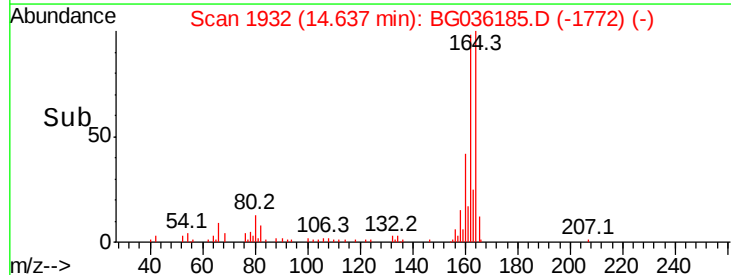
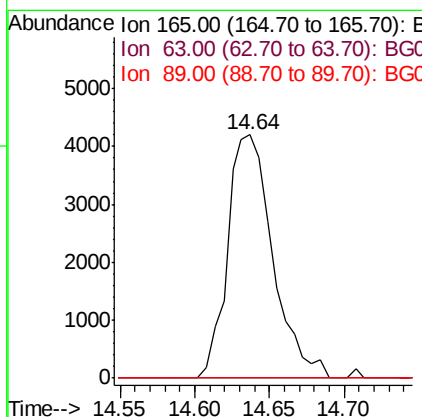
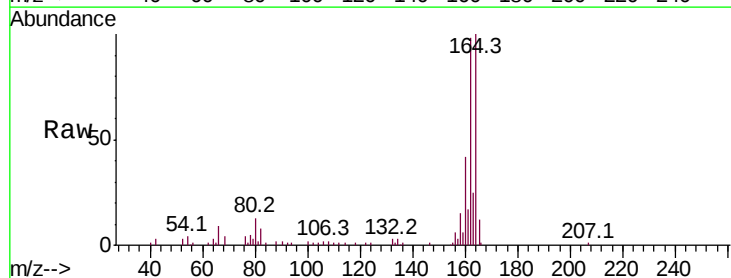
Instrument :
 BNA_G
 ClientSampleId :

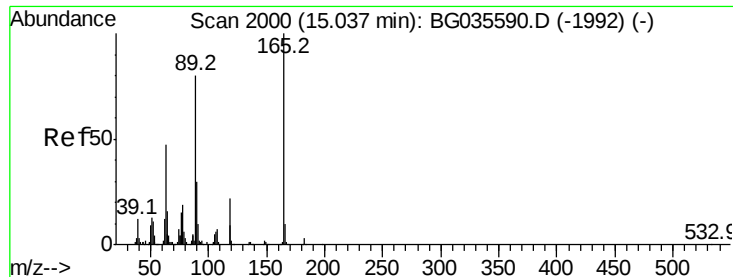
Tot Ion	Ratio	Lower	Upper
172	100		
171	32.5	30.0	45.0
170	21.5	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.763 ng
 RT: 14.64 min Scan# 1932
 Delta R.T. 0.41 min
 Lab File: BG036185.D
 Acq: 8 Aug 2018 6:50

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

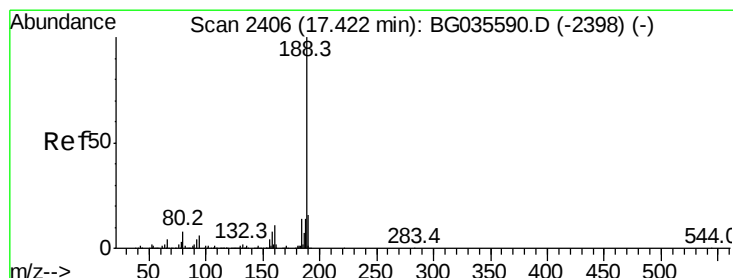
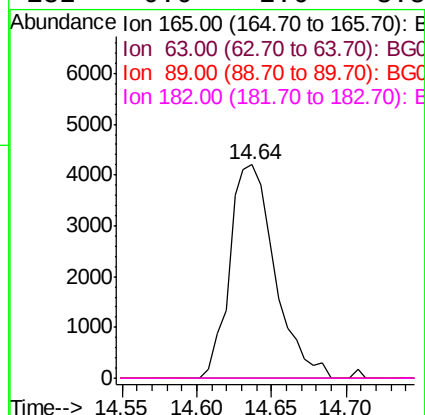
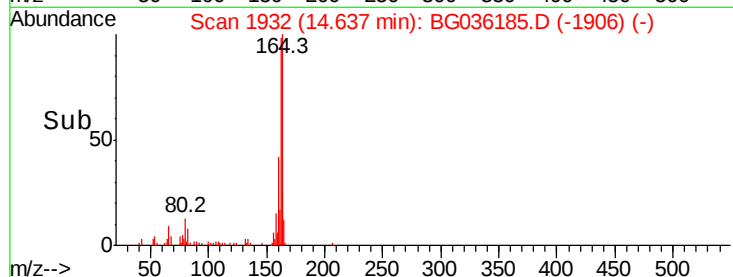
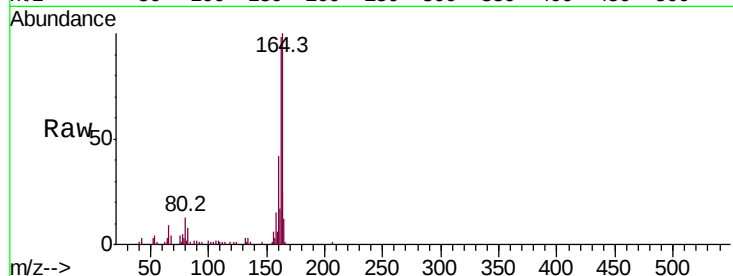




#56
 2,4-Dinitrotoluene
 Concen: 5.411 ng
 RT: 14.64 min Scan# 1932
 Delta R.T. -0.38 min
 Lab File: BG036185.D
 Acq: 8 Aug 2018 6:50

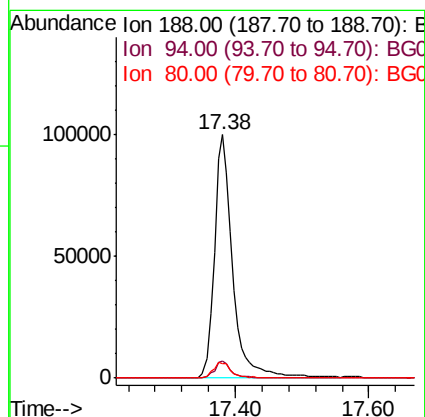
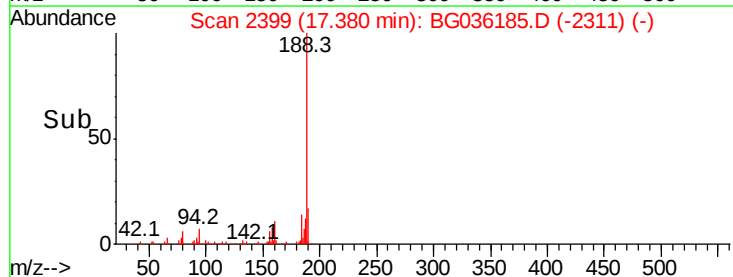
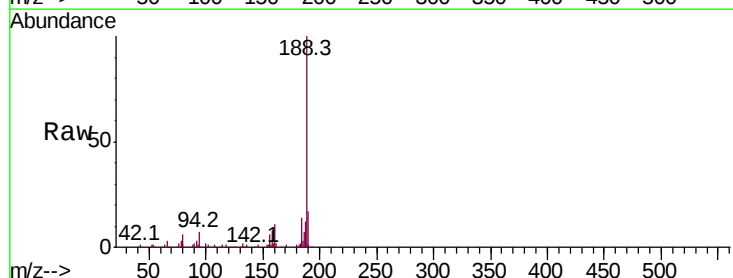
Instrument :
 BNA_G
 ClientSampleId :

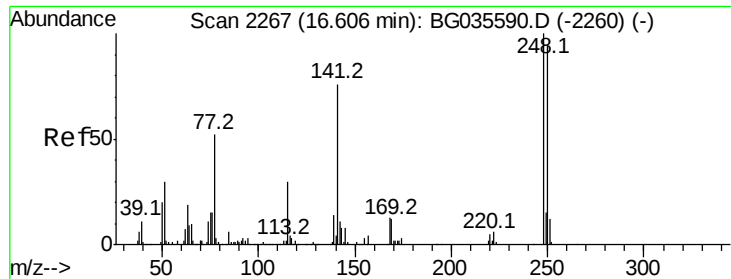
Tot Ion:165 Resp: 8841
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BG036185.D
 Acq: 8 Aug 2018 6:50

Tgt Ion:188 Resp: 191524
 Ion Ratio Lower Upper
 188 100
 94 7.1 6.9 10.3
 80 6.2 7.7 11.5#

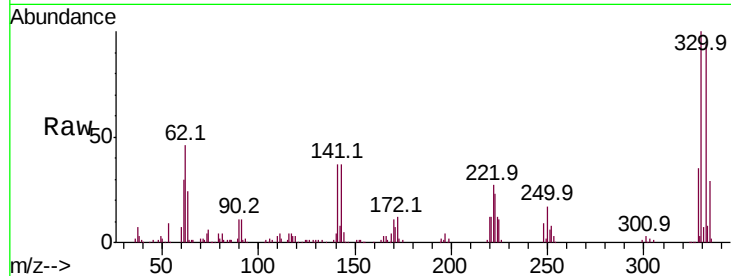




#66
 4-Bromophenyl-phenylether
 Concen: 5.529 ng
 RT: 16.12 min Scan# 2185
 Delta R.T. -0.46 min
 Lab File: BG036185.D
 Acq: 8 Aug 2018 6:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	196.4	77.1	115.7#
141	419.8	50.8	76.2#

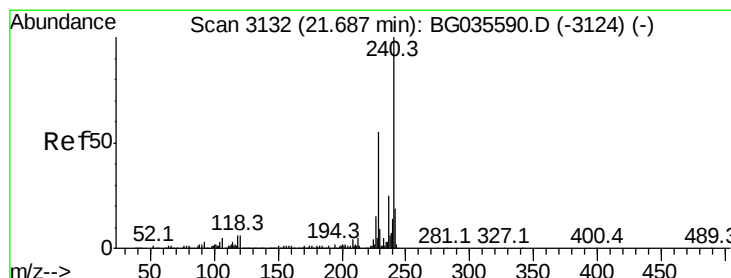
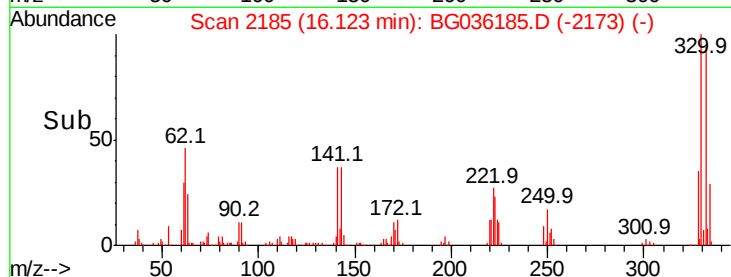
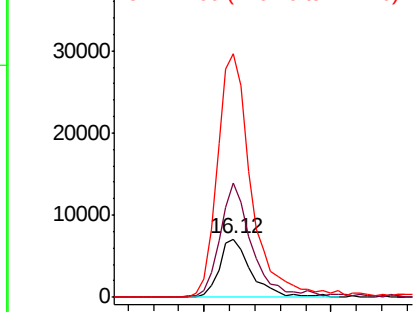


Abundance

Ion 248.00 (247.70 to 248.70): E

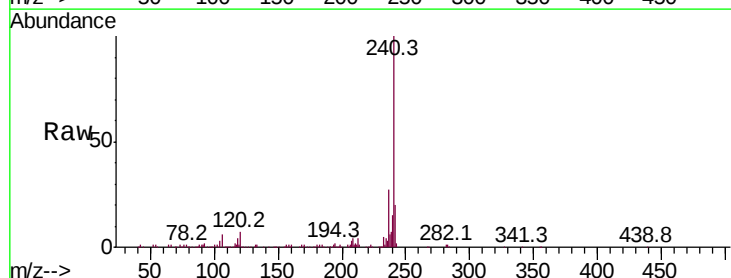
Ion 250.00 (249.70 to 250.70): E

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: BG036185.D
 Acq: 8 Aug 2018 6:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.5	6.8	10.2#
236	26.6	20.9	31.3

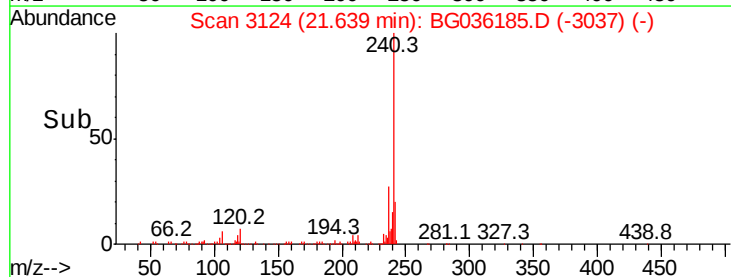
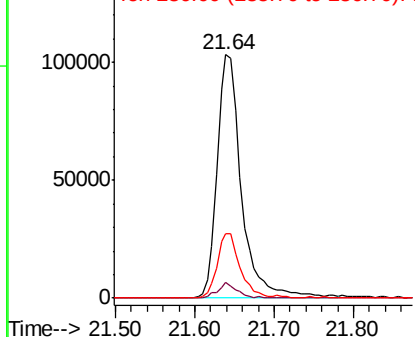


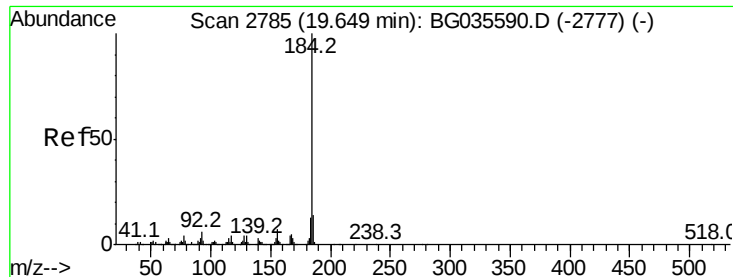
Abundance

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: 3.067 ng

RT: 19.98 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036185.D

Acq: 8 Aug 2018 6:50

Instrument :

BNA_G

ClientSampleId :

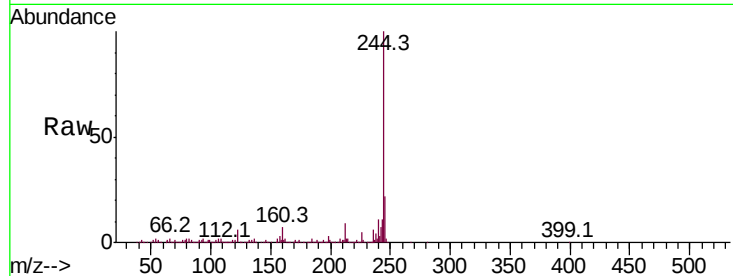
Tot Ion:184 Resp: 17687

Ion Ratio Lower Upper

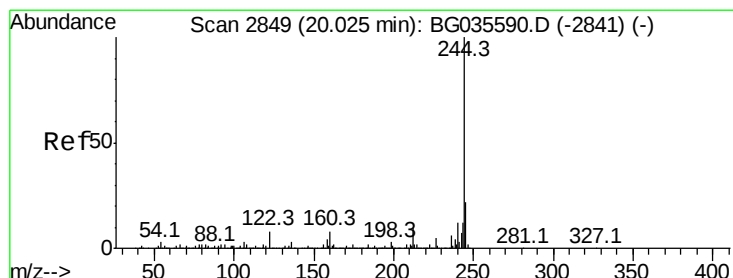
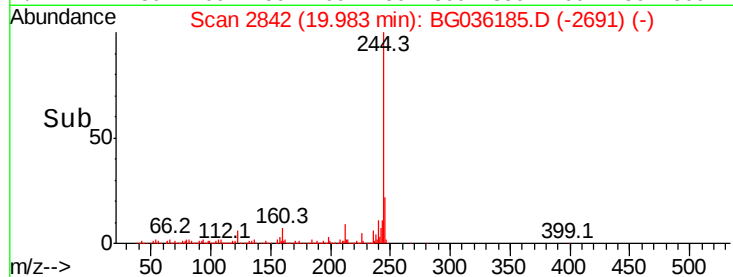
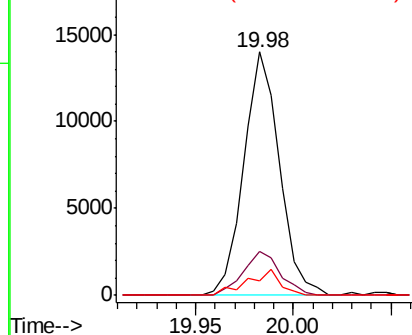
184 100

185 17.9 11.1 16.7#

183 5.7 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: 106.990 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036185.D

Acq: 8 Aug 2018 6:50

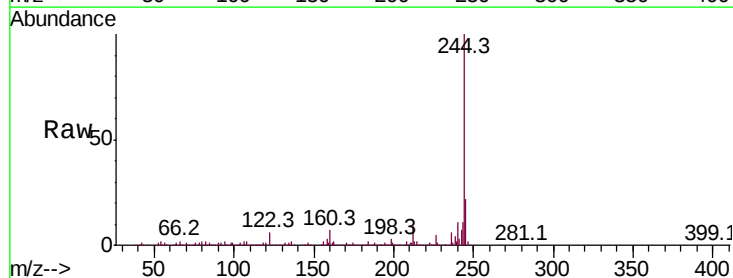
Tgt Ion:244 Resp: 1064619

Ion Ratio Lower Upper

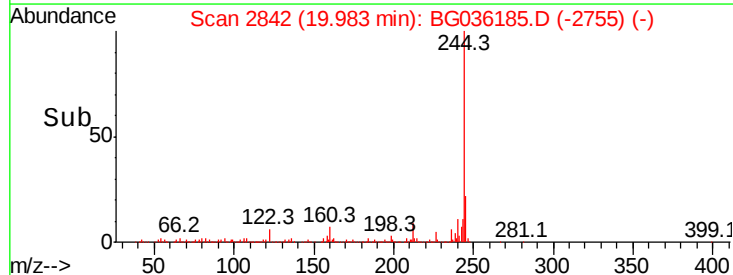
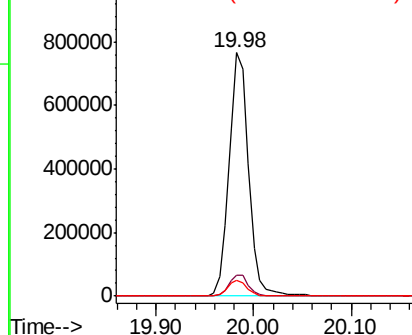
244 100

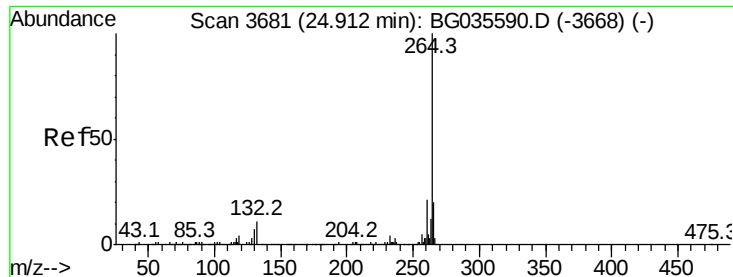
212 8.8 5.8 8.8#

122 6.4 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

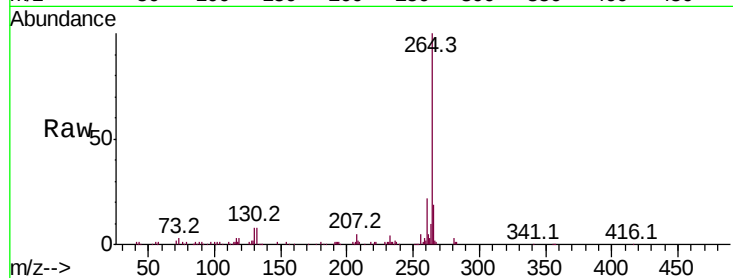




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.82 min Scan# 3666
 Delta R.T. -0.04 min
 Lab File: BG036185.D
 Acq: 8 Aug 2018 6:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.4	26.0
265	18.9	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

