

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080718\
 Data File : BG036177.D
 Acq On : 8 Aug 2018 00:57
 Operator : JU/SJ
 Sample : J4303-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 08 03:23:07 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

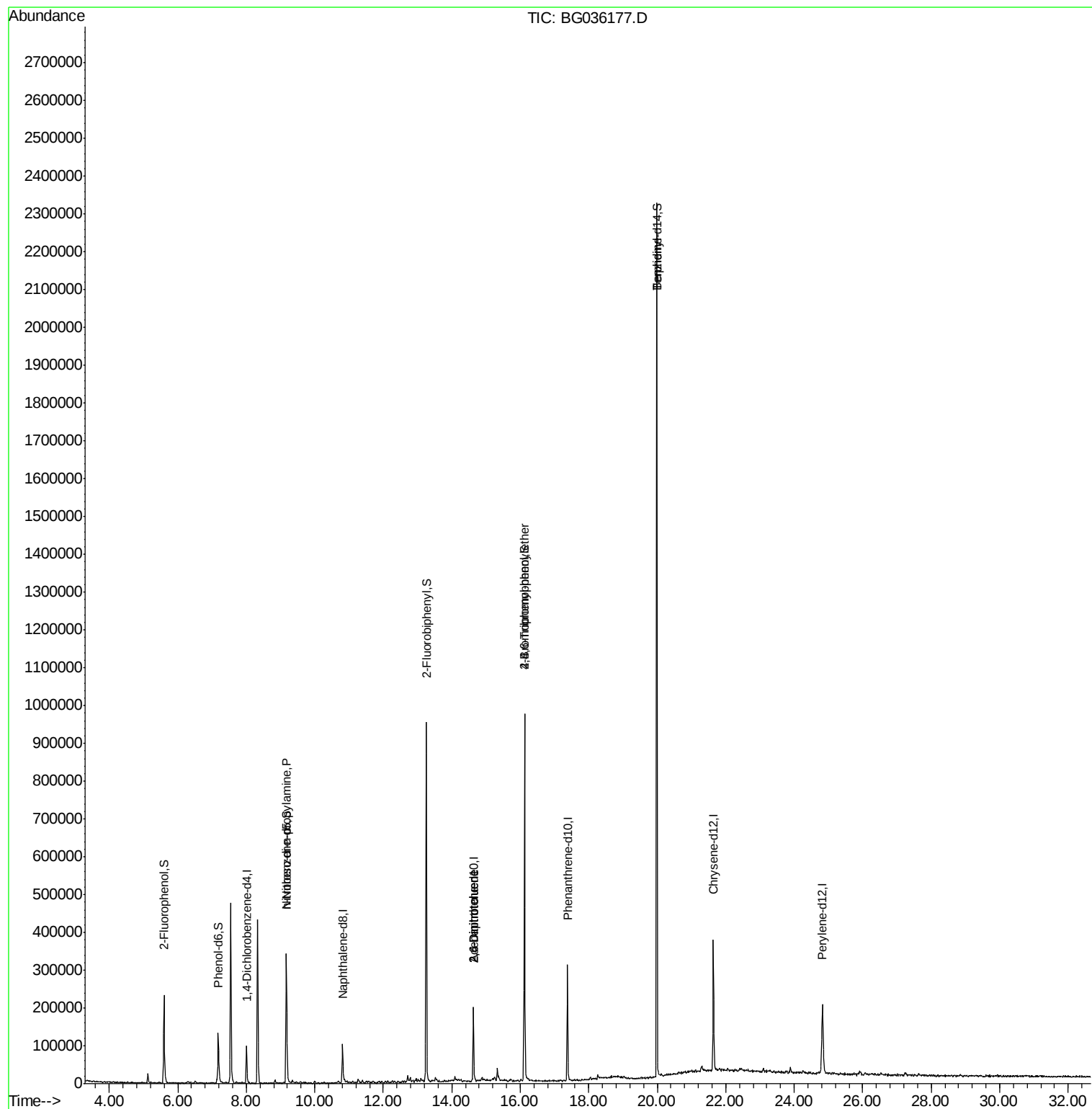
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	28287	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	97939	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	68449	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	196249	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	225630	20.00	ng	-0.02
86) Perylene-d12	24.83	264	208712	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	116518	68.39	ng	0.00
7) Phenol-d6	7.18	99	94335	37.11	ng	-0.01
23) Nitrobenzene-d5	9.17	82	250631	106.90	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	180831	200.43	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	524324	102.63	ng	-0.02
78) Terphenyl-d14	19.99	244	1144357	111.80	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	35540	16.603	ng	# 64
50) 2,6-Dinitrotoluene	14.63	165	9720	7.959	ng	# 24
56) 2,4-Dinitrotoluene	14.63	165	9720	5.548	ng	# 21
66) 4-Bromophenyl-phenylether	16.12	248	14321	6.290	ng	# 1
76) Benzidine	19.99	184	20441	3.446	ng	# 92

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

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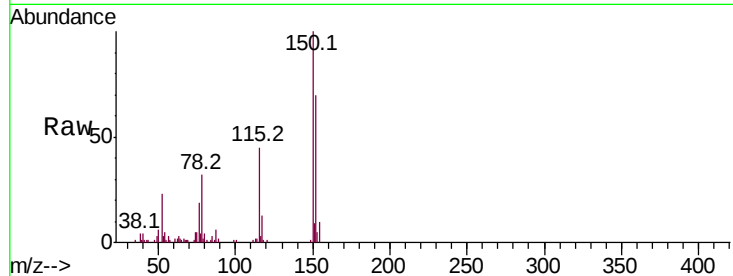


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036177.D
Acq: 8 Aug 2018 00:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.7	126.6	189.8
115	64.5	53.0	79.4

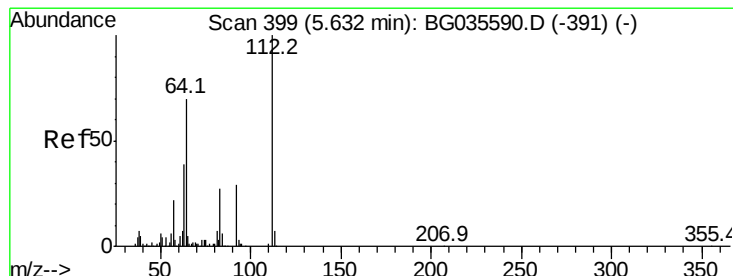
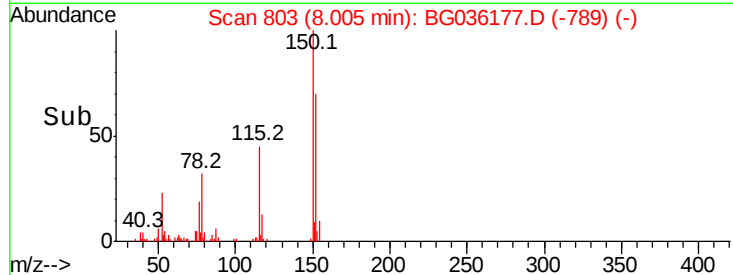
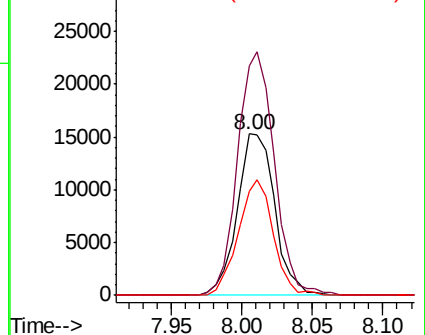


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

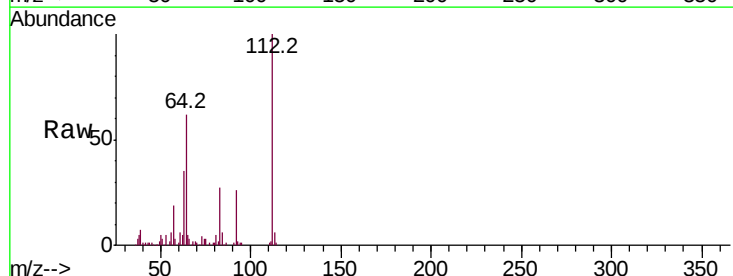
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 68.387 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036177.D
Acq: 8 Aug 2018 00:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	56.3	84.5
63	34.6	30.1	45.1

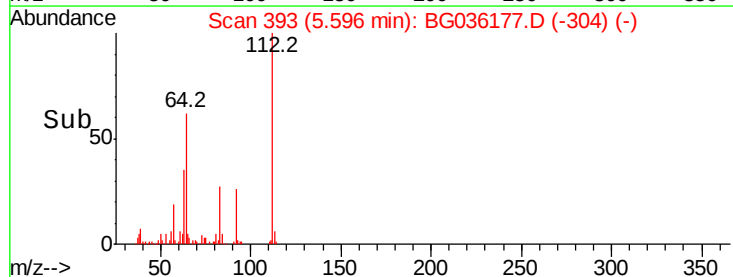
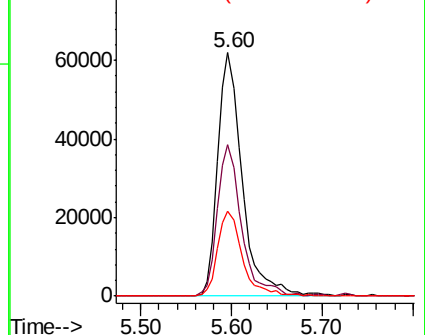


Abundance

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: 37.110 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036177.D

Acq: 8 Aug 2018 00:57

Instrument :

BNA_G

ClientSampleId :

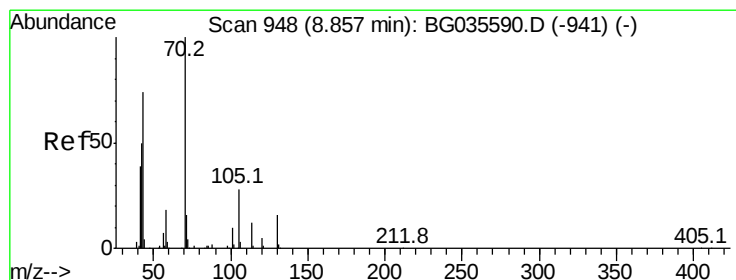
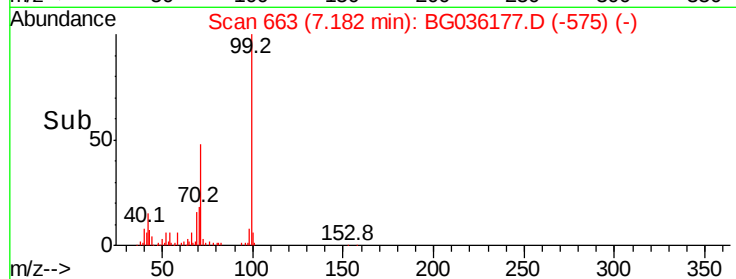
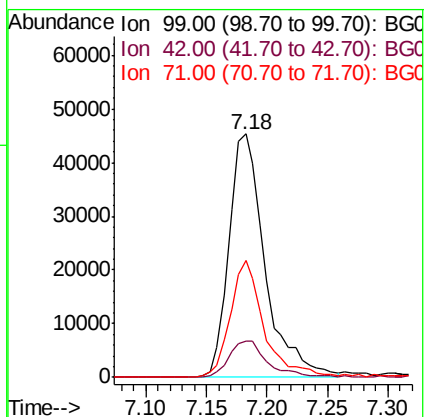
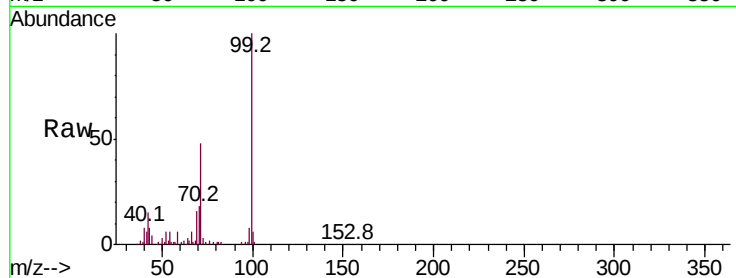
Tot Ion: 99 Resp: 94335

Ion Ratio Lower Upper

99 100

42 14.8 14.1 21.1

71 48.2 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.603 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036177.D

Acq: 8 Aug 2018 00:57

Tgt Ion: 70 Resp: 35540

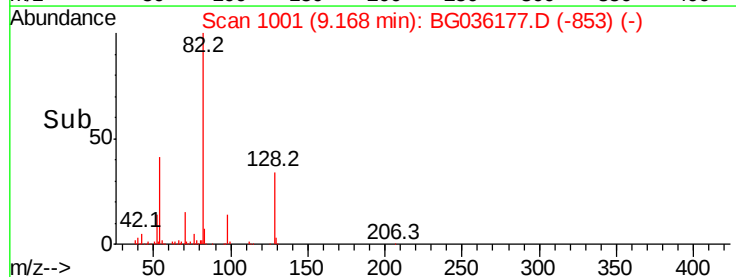
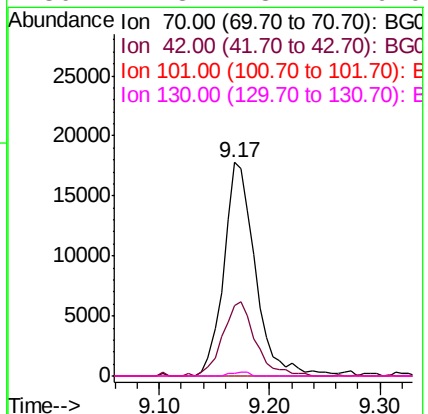
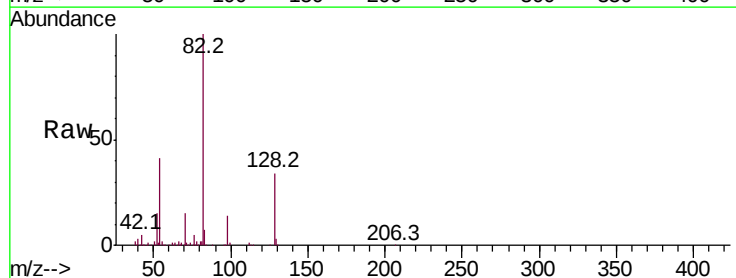
Ion Ratio Lower Upper

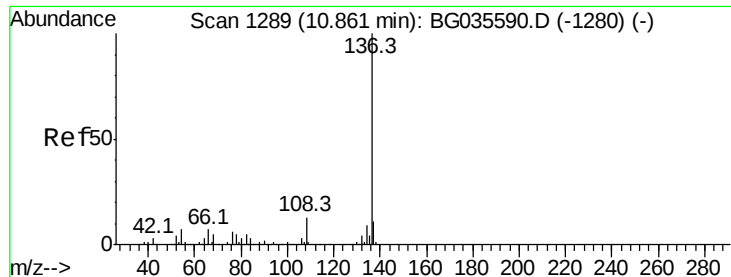
70 100

42 33.1 49.1 73.7#

101 0.0 8.5 12.7#

130 1.3 13.4 20.0#

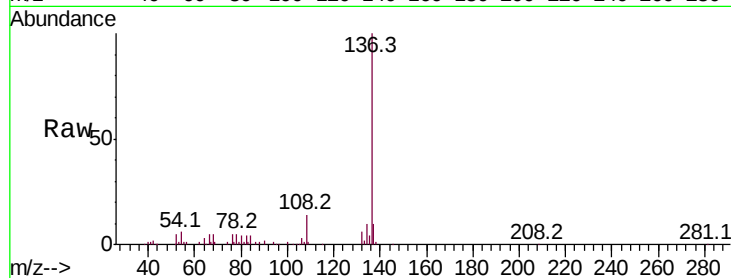




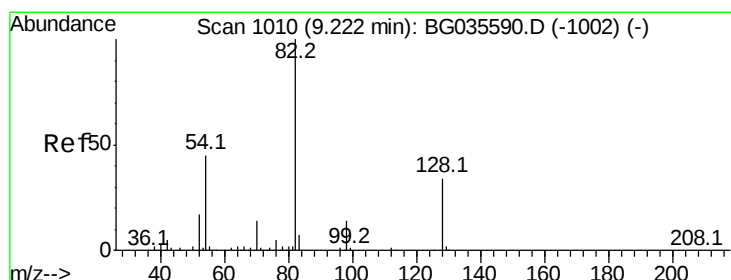
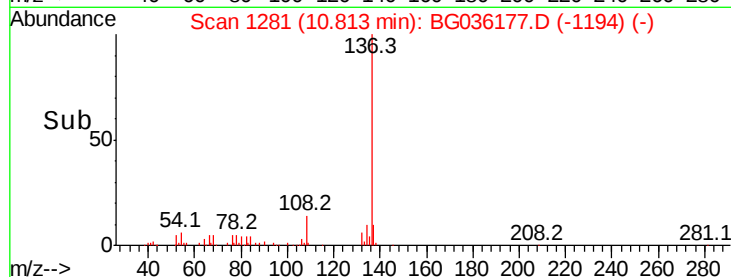
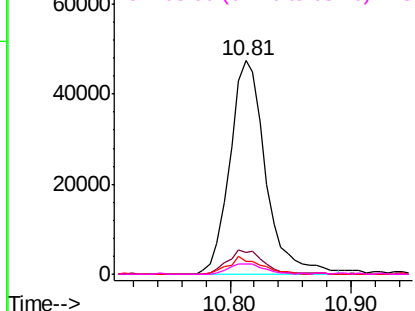
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036177.D
Acq: 8 Aug 2018 00:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	97939
Ion Ratio	Lower	Upper
136	100	
137	10.0	9.2 13.8
54	6.2	10.3 15.5#
68	5.1	4.5 6.7

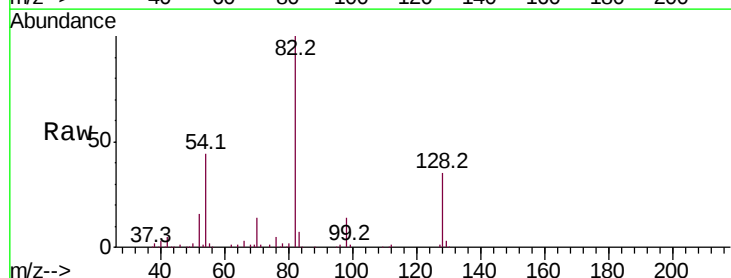


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

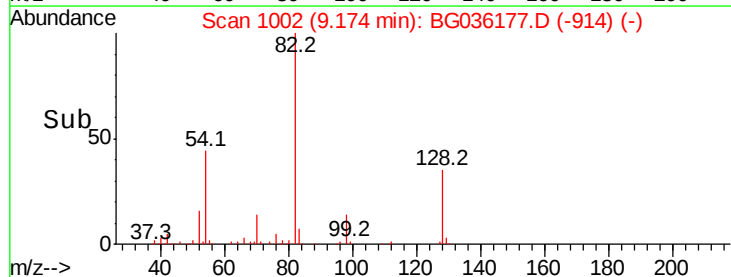
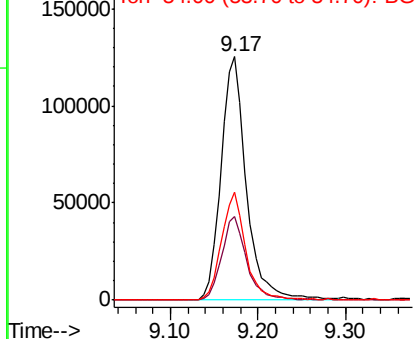


#23
Nitrobenzene-d5
Concen: 106.904 ng
RT: 9.17 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BG036177.D
Acq: 8 Aug 2018 00:57

Tgt Ion: 82	Resp:	250631
Ion Ratio	Lower	Upper
82	100	
128	34.5	29.7 44.5
54	44.4	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: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036177.D

Acq: 8 Aug 2018 00:57

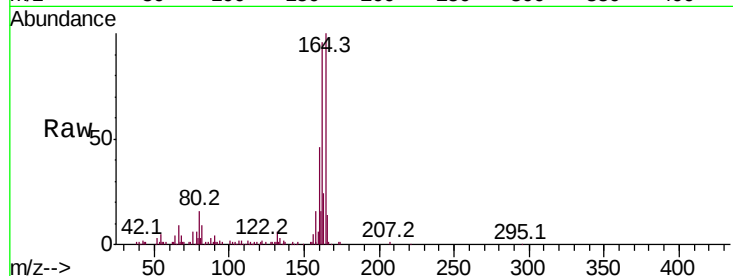
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 68449

Ion	Ratio	Lower	Upper
164	100		
162	96.1	78.8	118.2
160	46.3	35.4	53.0

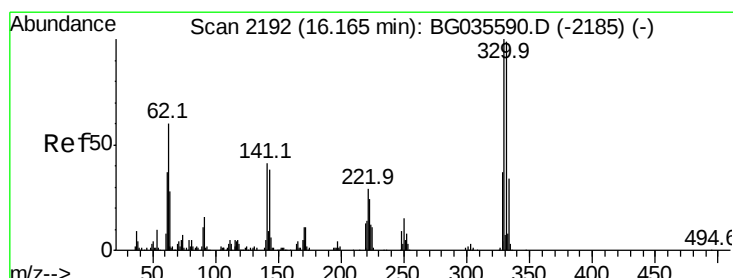
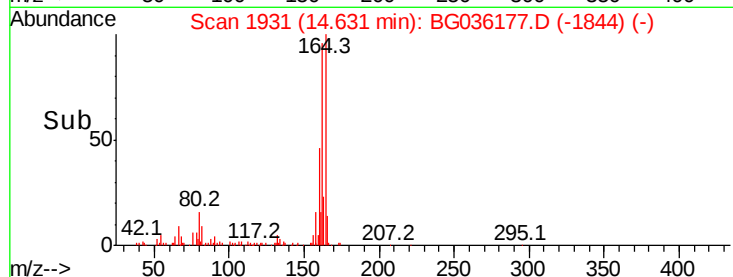
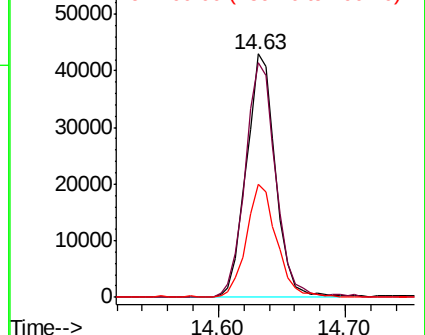


Abundance

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: 200.433 ng

RT: 16.12 min Scan# 2185

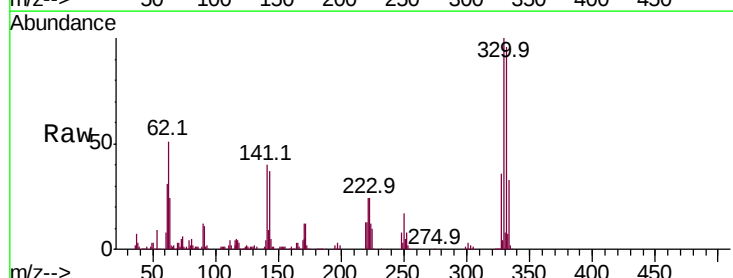
Delta R.T. -0.02 min

Lab File: BG036177.D

Acq: 8 Aug 2018 00:57

Tgt Ion:330 Resp: 180831

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	38.9	25.2	37.8#

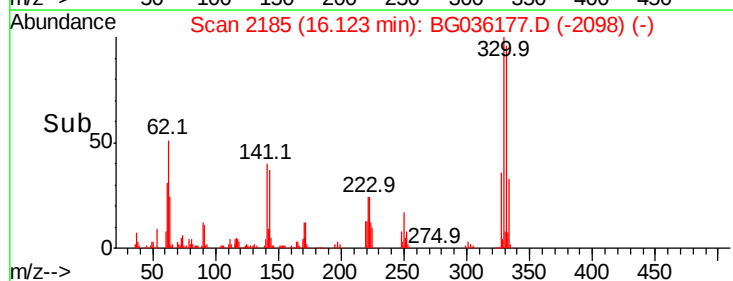
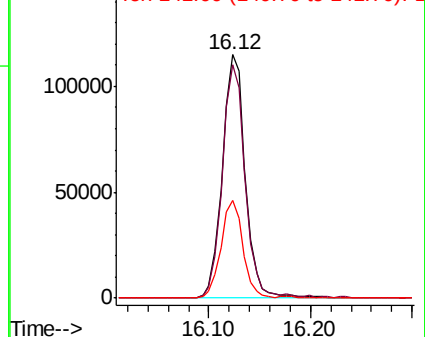


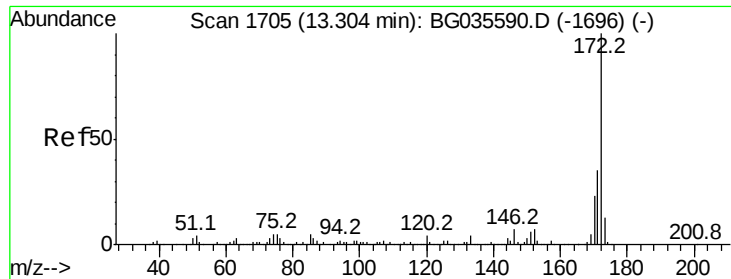
Abundance

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

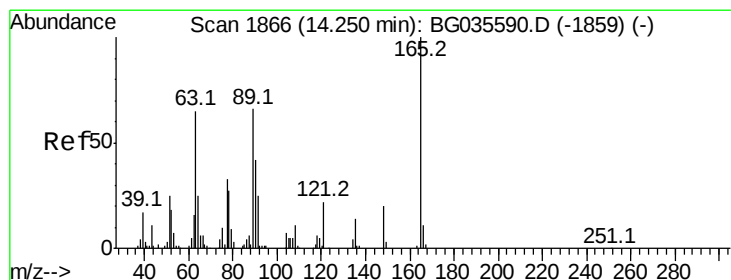
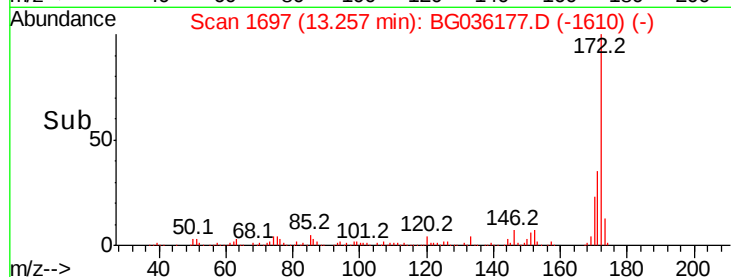
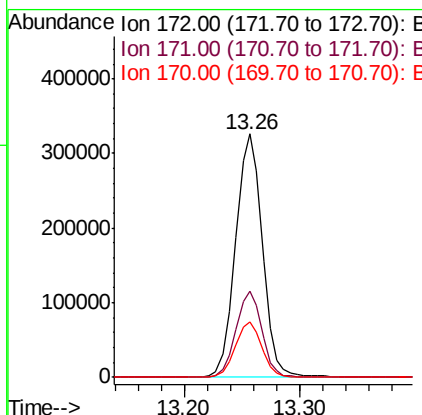
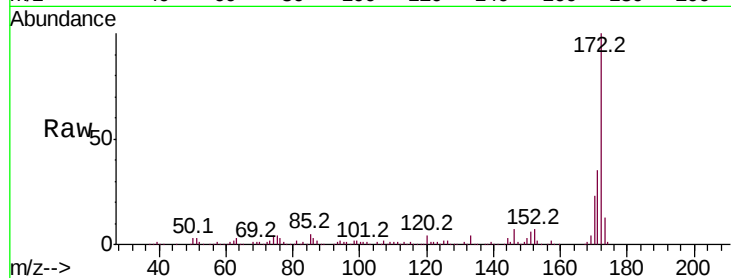




#44
 2-Fluorobiphenyl
 Concen: 102.625 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036177.D
 Acq: 8 Aug 2018 00:57

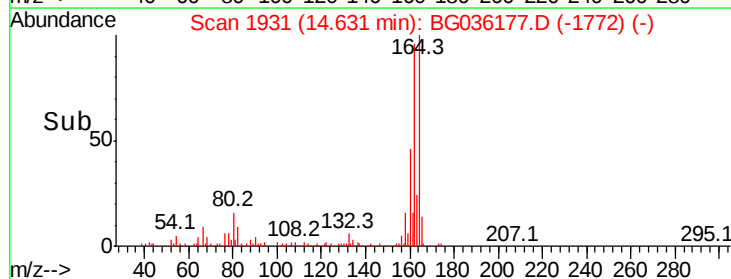
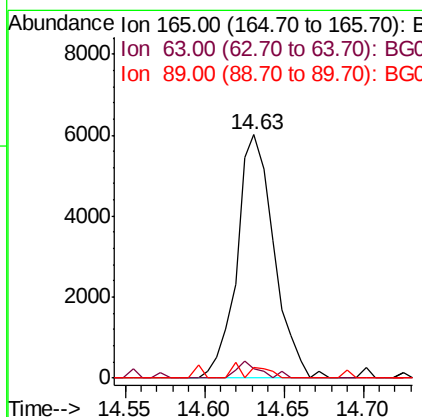
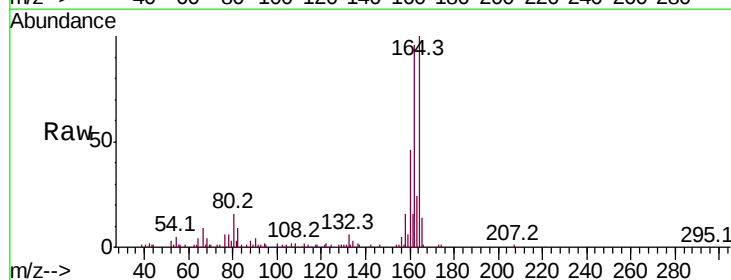
Instrument :
 BNA_G
 ClientSampleId :

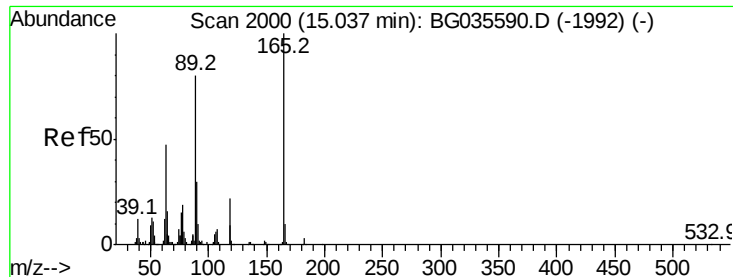
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.0	45.0
170	23.0	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.959 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. 0.40 min
 Lab File: BG036177.D
 Acq: 8 Aug 2018 00:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.8	52.7	79.1#
89	4.4	49.2	73.8#

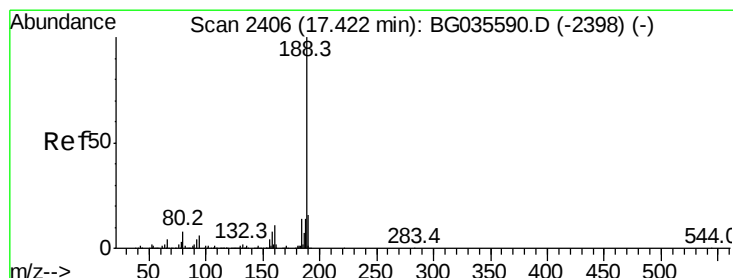
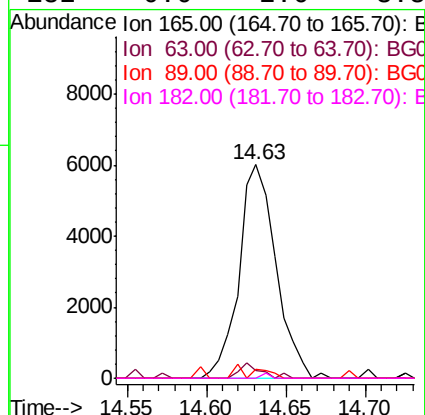
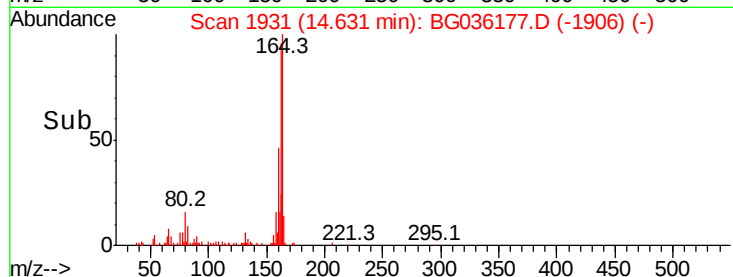
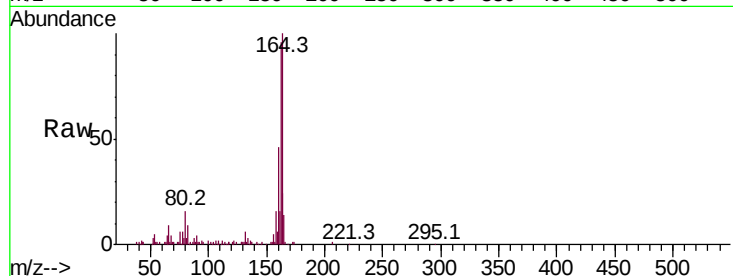




#56
2,4-Dinitrotoluene
Concen: 5.548 ng
RT: 14.63 min Scan# 1931
Delta R.T. -0.38 min
Lab File: BG036177.D
Acq: 8 Aug 2018 00:57

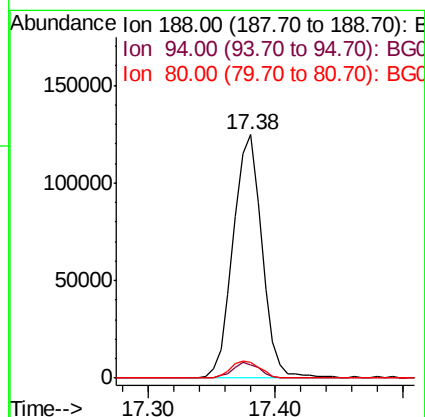
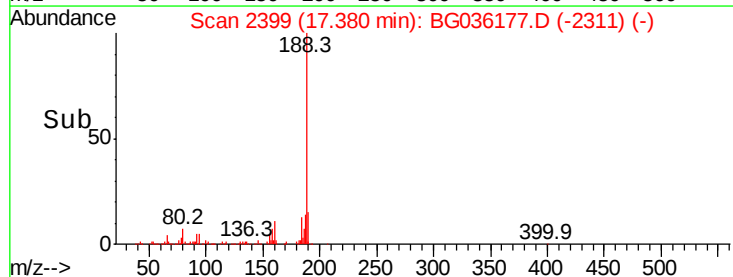
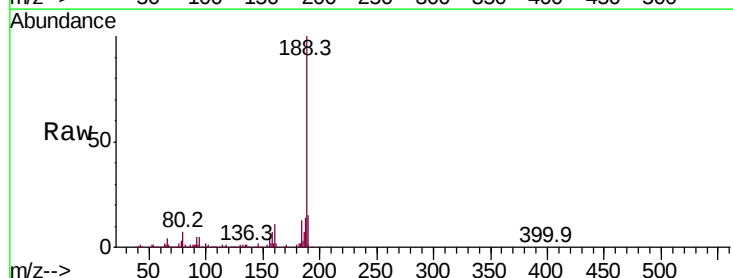
Instrument :
BNA_G
ClientSampleId :

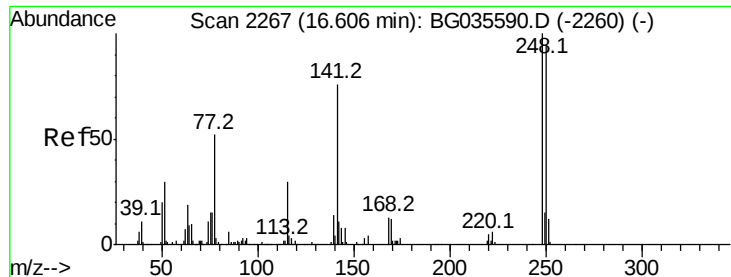
Tot Ion:165 Resp: 9720
Ion Ratio Lower Upper
165 100
63 3.8 42.0 63.0#
89 4.4 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.38 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BG036177.D
Acq: 8 Aug 2018 00:57

Tgt Ion:188 Resp: 196249
Ion Ratio Lower Upper
188 100
94 5.3 6.9 10.3#
80 6.7 7.7 11.5#

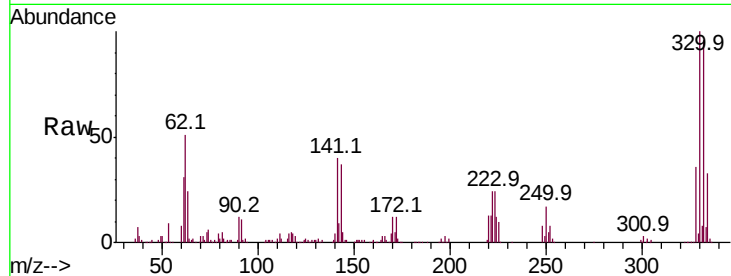




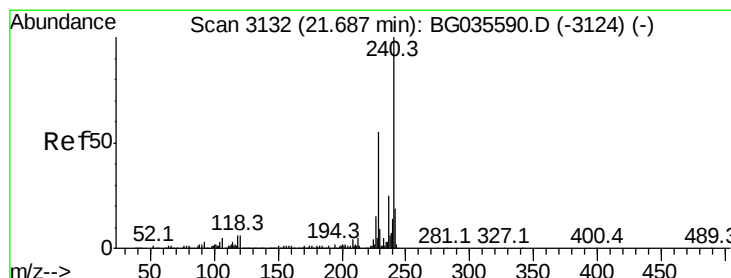
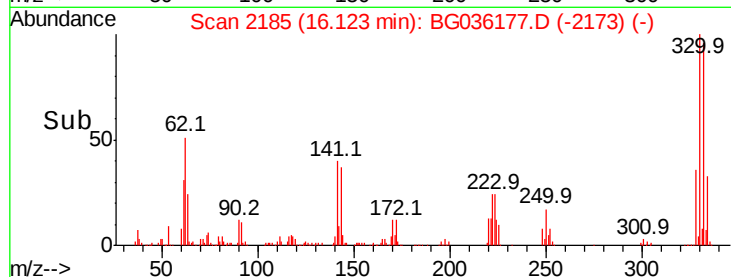
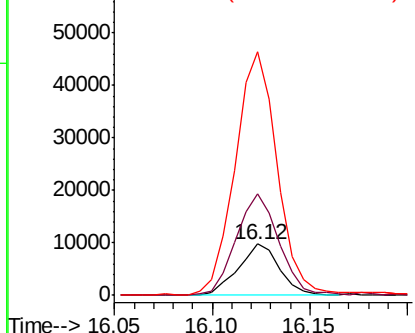
#66
 4-Bromophenyl-phenylether
 Concen: 6.290 ng
 RT: 16.12 min Scan# 2185
 Delta R.T. -0.46 min
 Lab File: BG036177.D
 Acq: 8 Aug 2018 00:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 14321
 Ion Ratio Lower Upper
 248 100
 250 198.0 77.1 115.7#
 141 475.0 50.8 76.2#

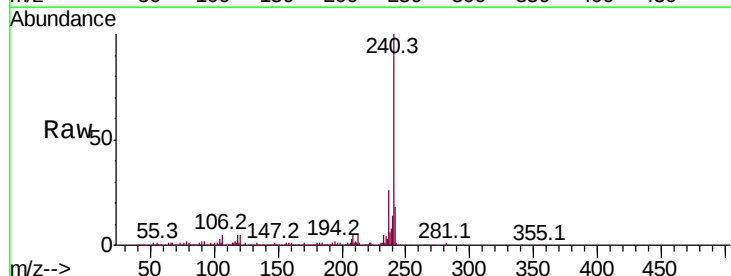


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

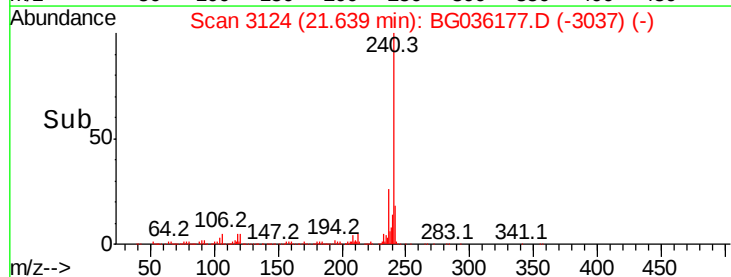
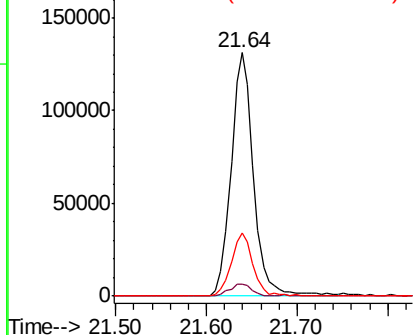


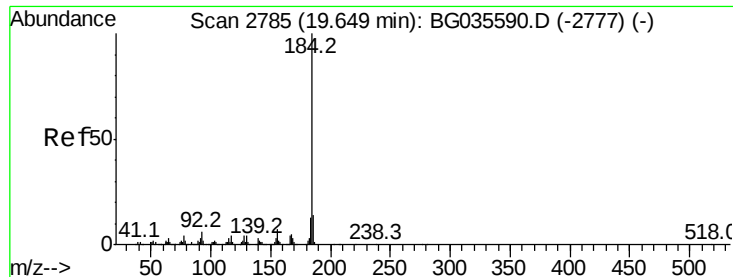
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BG036177.D
 Acq: 8 Aug 2018 00:57

Tgt Ion:240 Resp: 225630
 Ion Ratio Lower Upper
 240 100
 120 4.8 6.8 10.2#
 236 25.7 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: 3.446 ng

RT: 19.99 min Scan# 2843

Delta R.T. 0.36 min

Lab File: BG036177.D

Acq: 8 Aug 2018 00:57

Instrument :

BNA_G

ClientSampleId :

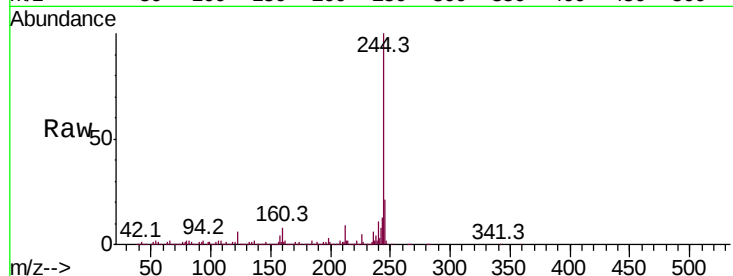
Tot Ion:184 Resp: 20441

Ion Ratio Lower Upper

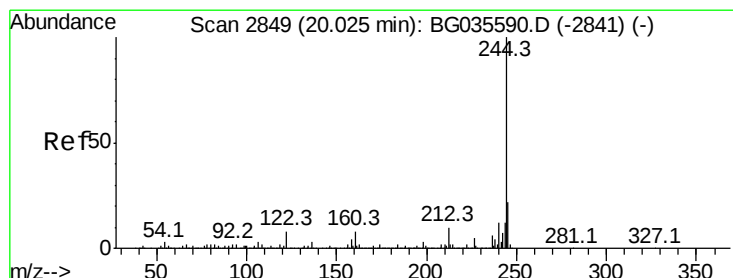
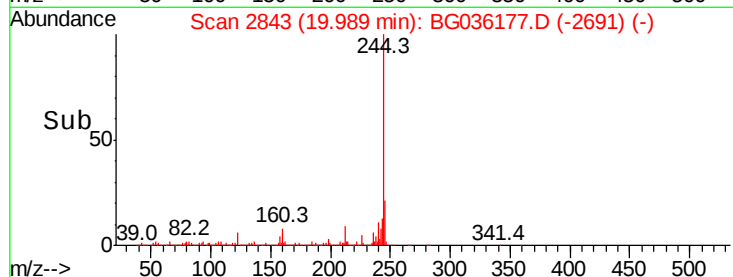
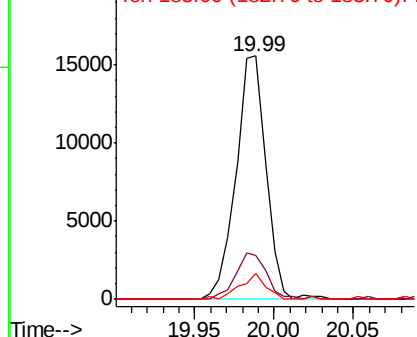
184 100

185 17.9 11.1 16.7#

183 10.7 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: 111.798 ng

RT: 19.99 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BG036177.D

Acq: 8 Aug 2018 00:57

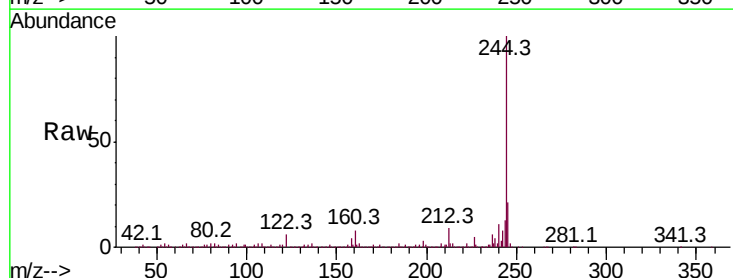
Tgt Ion:244 Resp: 1144357

Ion Ratio Lower Upper

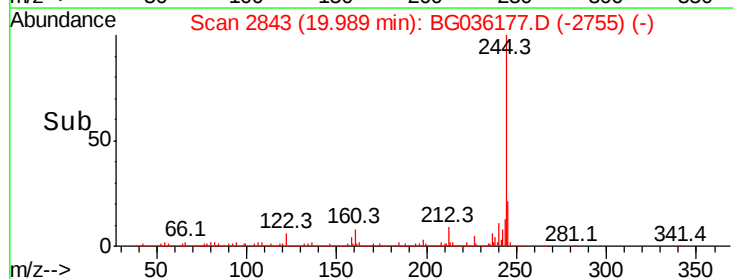
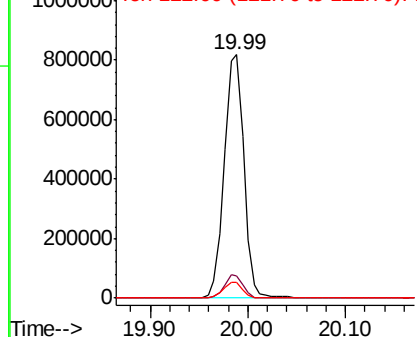
244 100

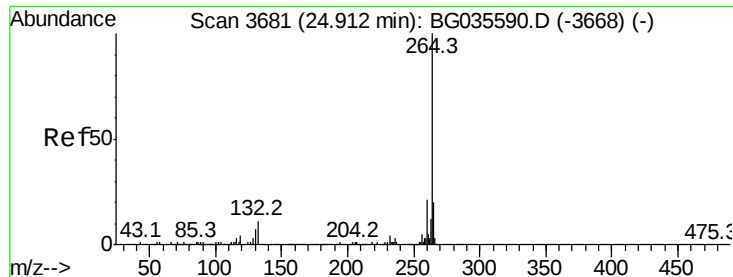
212 9.3 5.8 8.8#

122 6.3 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

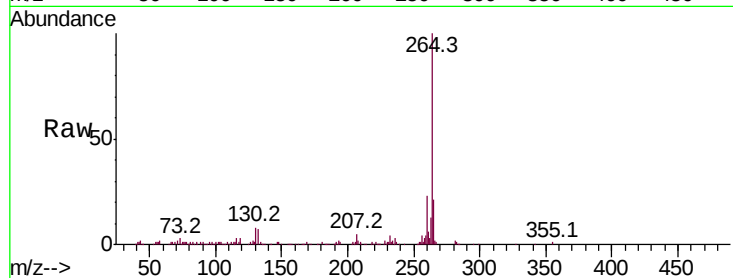




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.83 min Scan# 3667
 Delta R.T. -0.03 min
 Lab File: BG036177.D
 Acq: 8 Aug 2018 00:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.0
265	21.0	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

