

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080718\
 Data File : BG036170.D
 Acq On : 7 Aug 2018 20:21
 Operator : JU/SJ
 Sample : PB111837BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 08 01:04:47 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

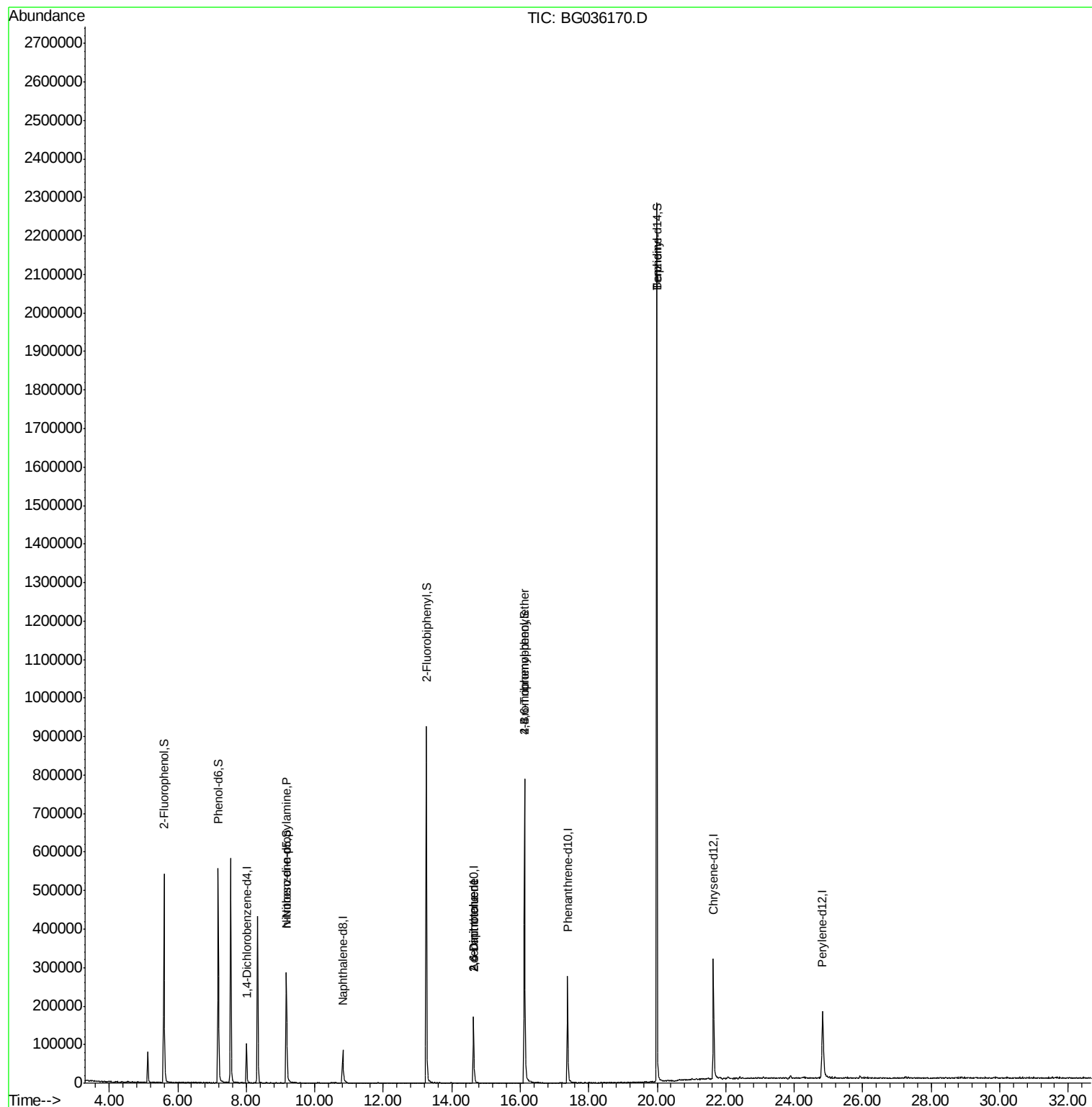
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	28880	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	99604	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	72404	20.00	ng	-0.01
63) Phenanthrene-d10	17.38	188	216246	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	241738	20.00	ng	-0.02
86) Perylene-d12	24.83	264	233082	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	248698	142.97	ng	0.00
7) Phenol-d6	7.18	99	344443	132.72	ng	-0.01
23) Nitrobenzene-d5	9.17	82	230667	96.74	ng	-0.02
41) 2,4,6-Tribromophenol	16.12	330	172702	180.97	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	544214	100.70	ng	-0.02
78) Terphenyl-d14	19.99	244	1214271	110.72	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	31547	14.435	ng	# 64
50) 2,6-Dinitrotoluene	14.64	165	9874	7.644	ng	# 20
56) 2,4-Dinitrotoluene	14.64	165	9874	5.328	ng	# 18
66) 4-Bromophenyl-phenylether	16.12	248	13828	5.512	ng	# 1
76) Benzidine	19.98	184	20328	3.199	ng	# 95

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

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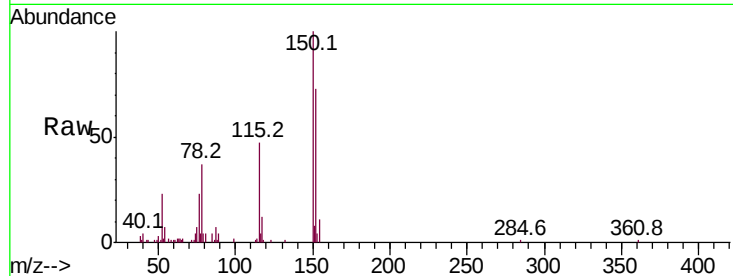


#1

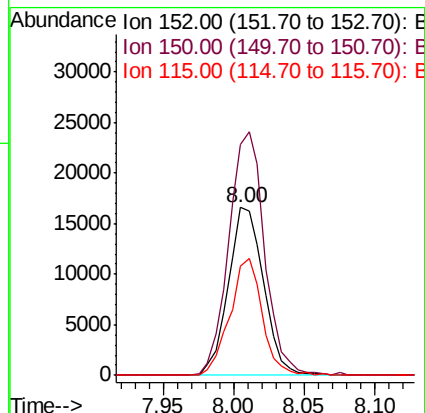
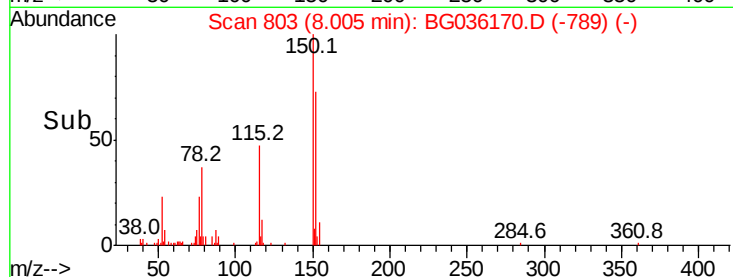
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036170.D
Acq: 7 Aug 2018 20:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	28880
Ion Ratio	Lower	Upper	
152	100		
150	137.5	126.6	189.8
115	64.9	53.0	79.4



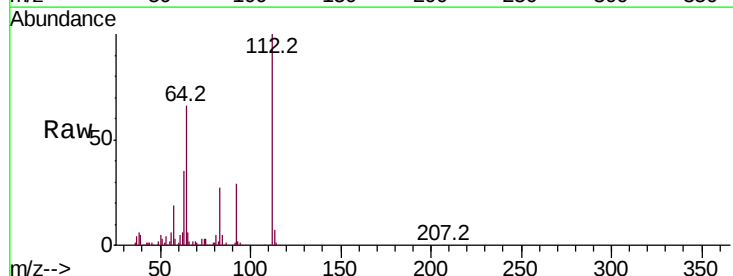
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



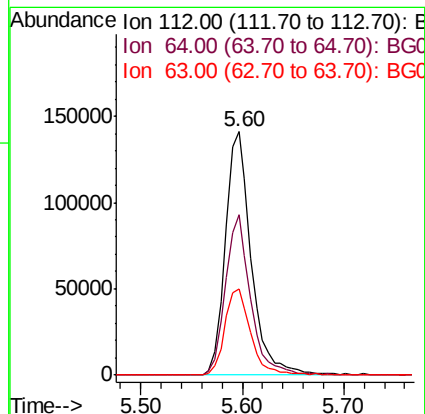
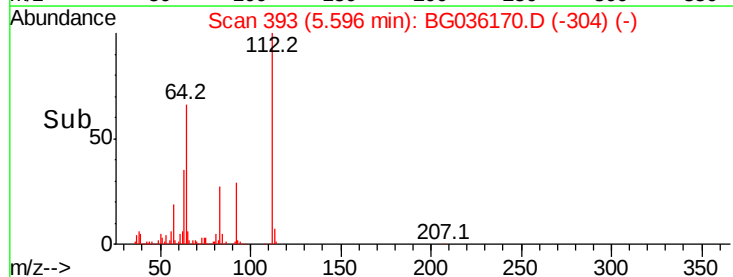
#5

2-Fluorophenol
Concen: 142.970 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036170.D
Acq: 7 Aug 2018 20:21

Tgt Ion	112	Resp	248698
Ion Ratio	Lower	Upper	
112	100		
64	66.1	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): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 132.716 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036170.D

Acq: 7 Aug 2018 20:21

Instrument :

BNA_G

ClientSampled :

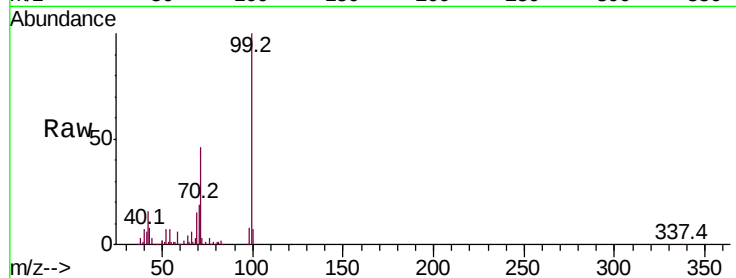
Tot Ion: 99 Resp: 344443

Ion Ratio Lower Upper

99 100

42 15.6 14.1 21.1

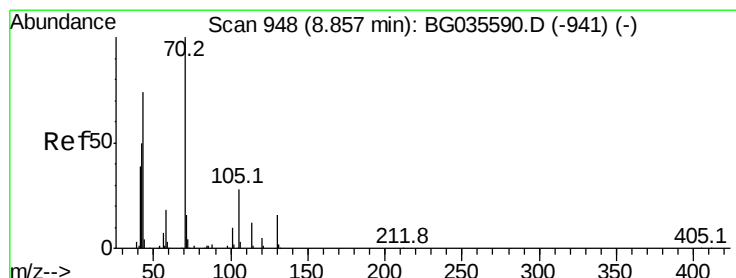
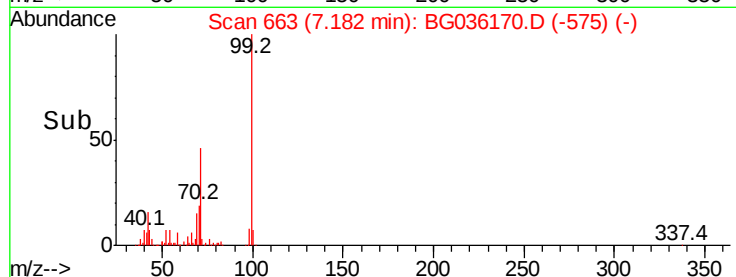
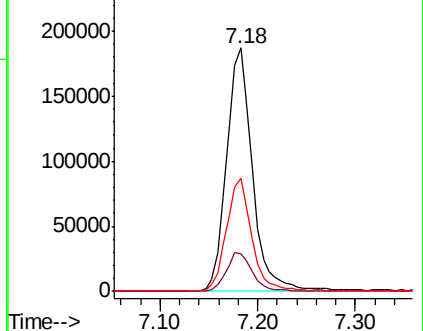
71 46.3 26.1 39.1#



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: 14.435 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036170.D

Acq: 7 Aug 2018 20:21

Tgt Ion: 70 Resp: 31547

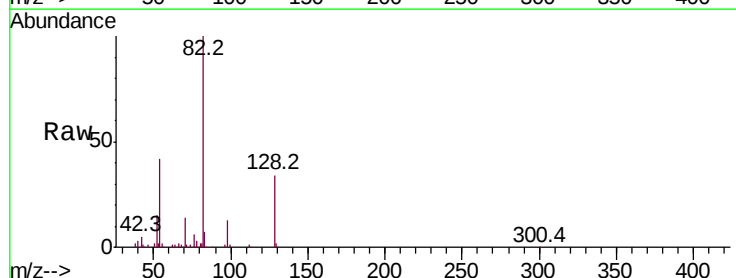
Ion Ratio Lower Upper

70 100

42 32.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

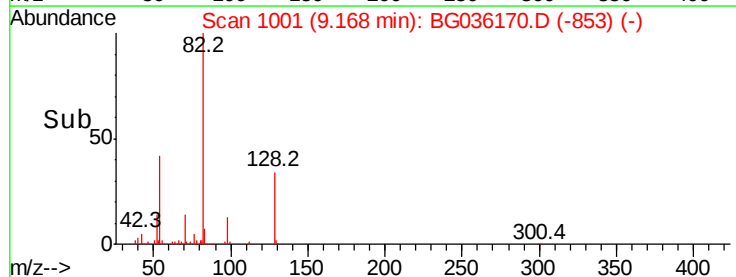
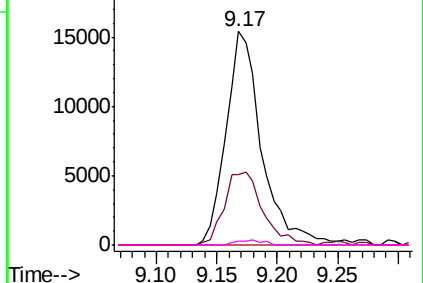


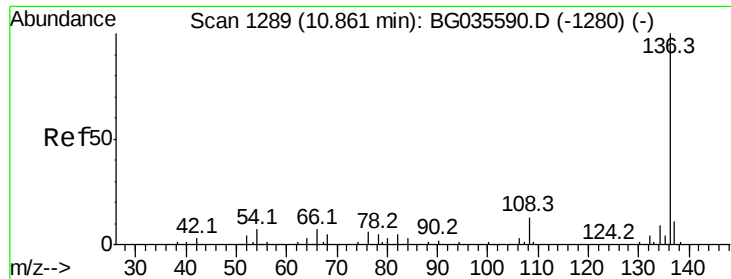
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

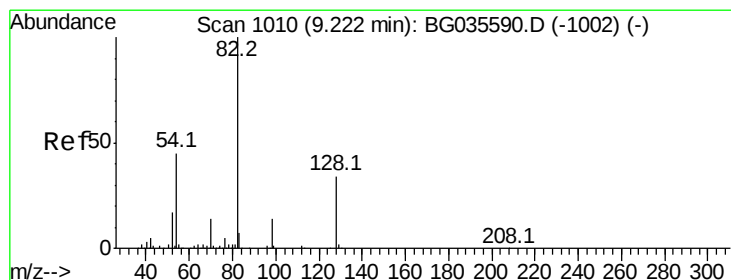
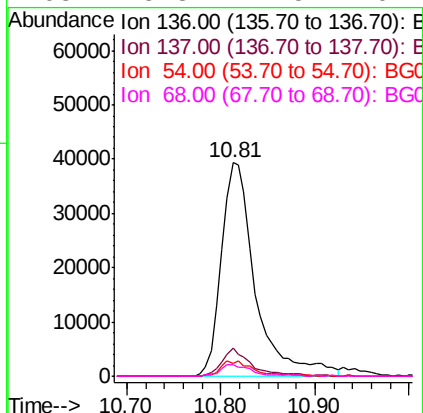
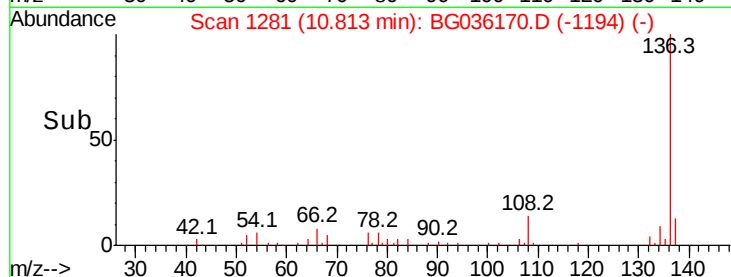
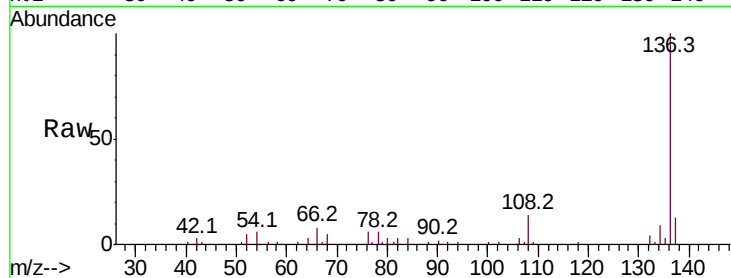




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036170.D
Acq: 7 Aug 2018 20:21

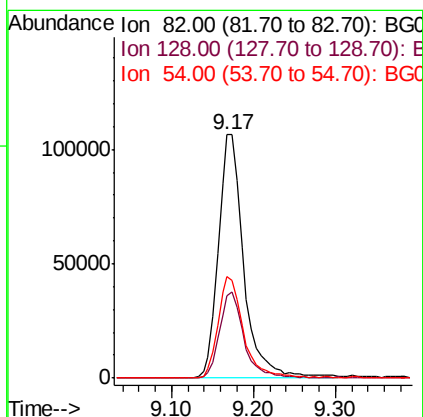
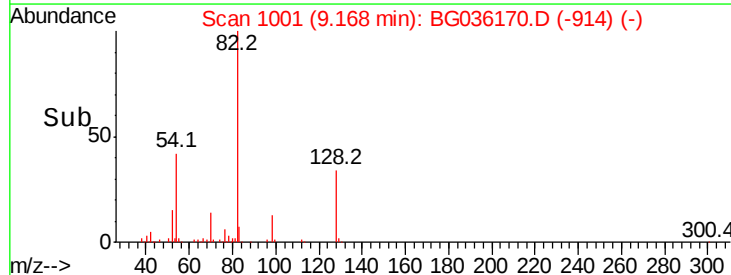
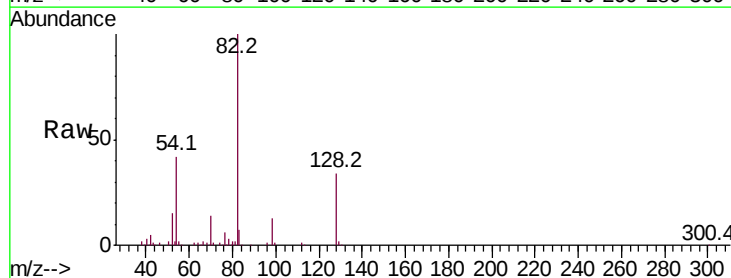
Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	99604
Ion	Ratio	Lower	Upper
136	100		
137	13.5	9.2	13.8
54	5.9	10.3	15.5#
68	5.3	4.5	6.7



#23
Nitrobenzene-d5
Concen: 96.744 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BG036170.D
Acq: 7 Aug 2018 20:21

Tgt Ion:	82	Resp:	230667
Ion	Ratio	Lower	Upper
82	100		
128	33.8	29.7	44.5
54	41.8	43.1	64.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG036170.D

Acq: 7 Aug 2018 20:21

Instrument :

BNA_G

ClientSampleId :

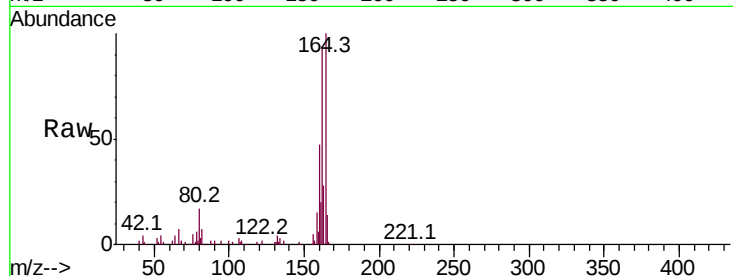
Tot Ion:164 Resp: 72404

Ion Ratio Lower Upper

164 100

162 94.0 78.8 118.2

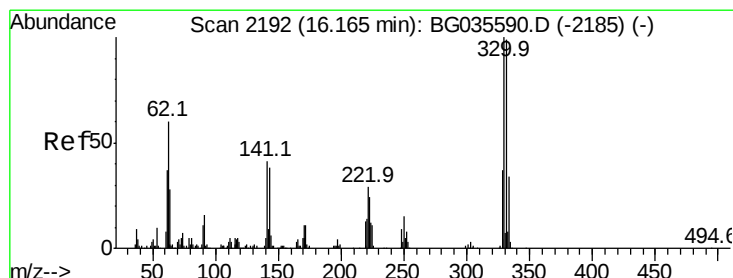
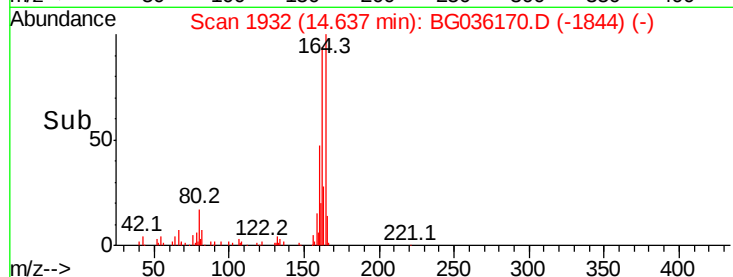
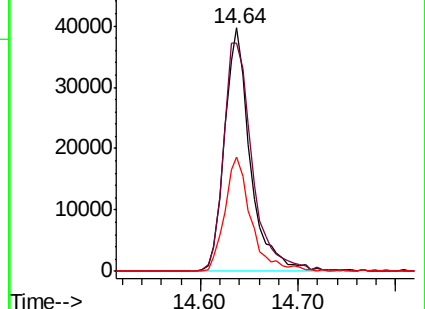
160 46.9 35.4 53.0



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: 180.966 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036170.D

Acq: 7 Aug 2018 20:21

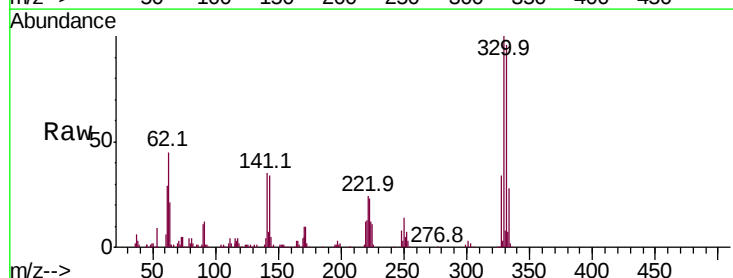
Tgt Ion:330 Resp: 172702

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

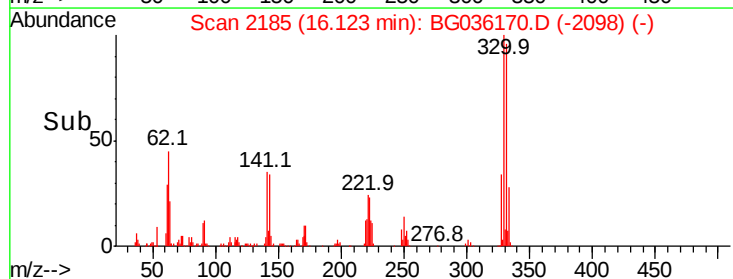
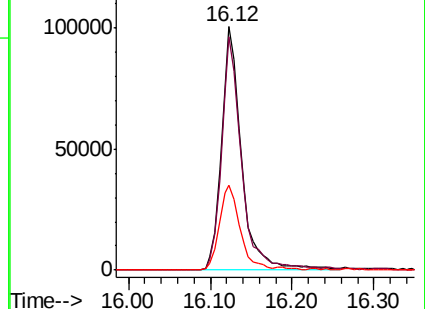
141 36.5 25.2 37.8

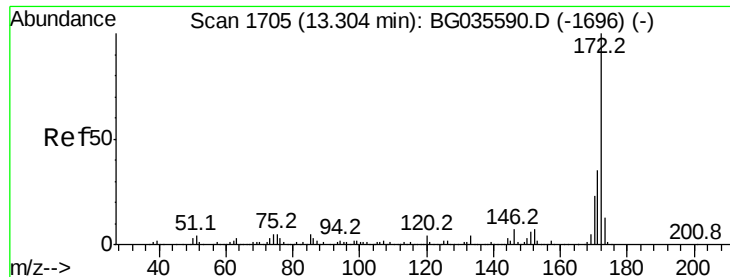


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

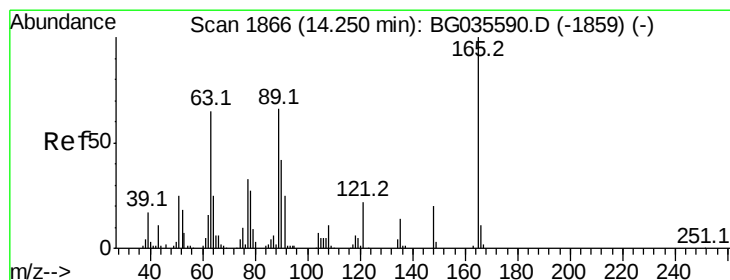
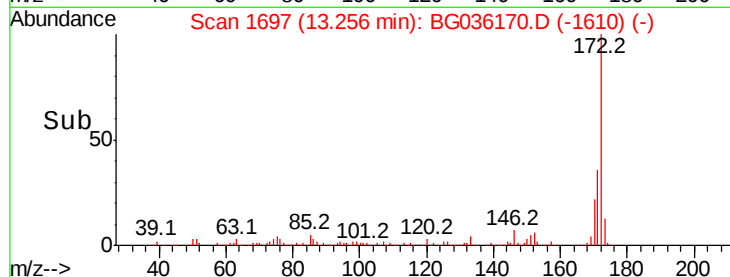
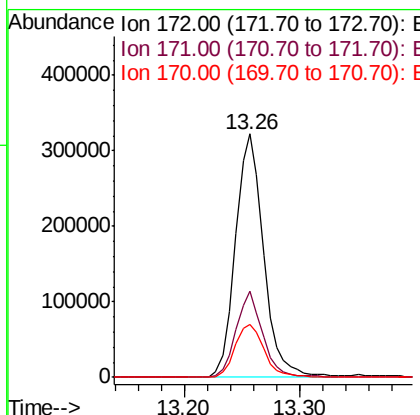
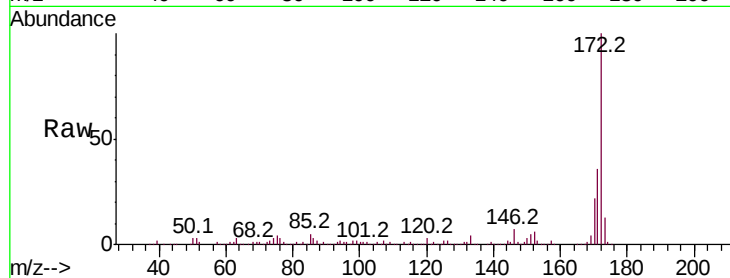




#44
 2-Fluorobiphenyl
 Concen: 100.700 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036170.D
 Acq: 7 Aug 2018 20:21

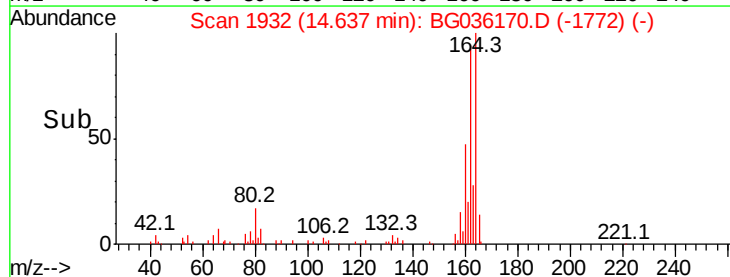
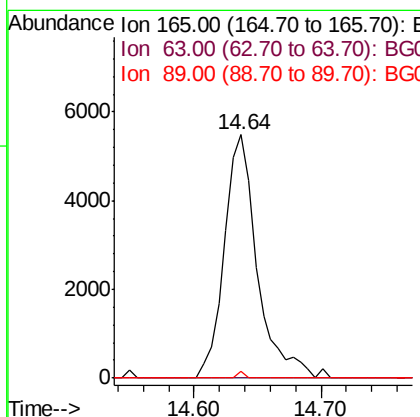
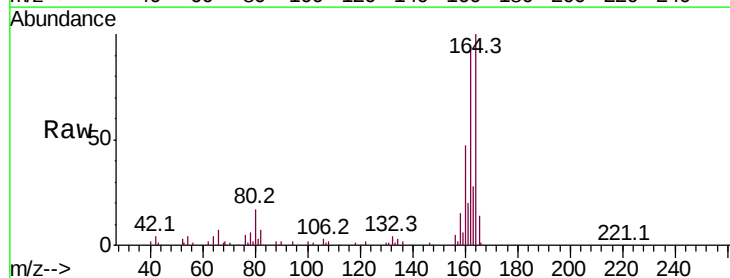
Instrument :
 BNA_G
 ClientSampleId :

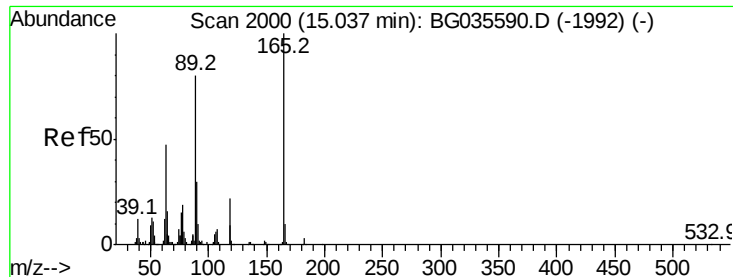
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.0	45.0
170	21.9	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.644 ng
 RT: 14.64 min Scan# 1932
 Delta R.T. 0.41 min
 Lab File: BG036170.D
 Acq: 7 Aug 2018 20:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.0	49.2	73.8#

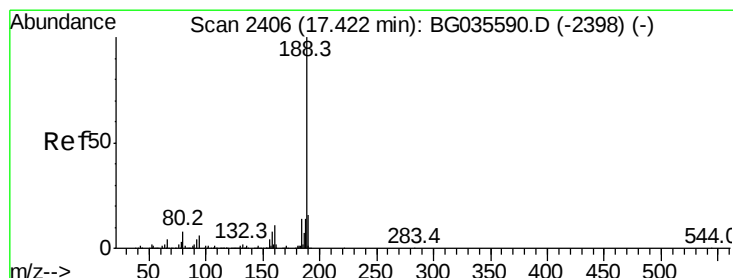
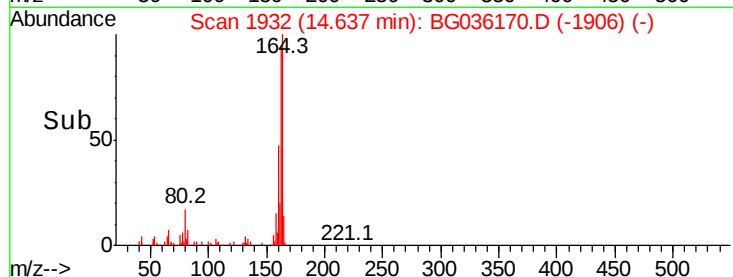
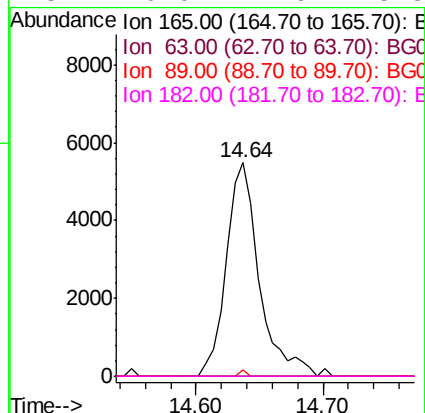
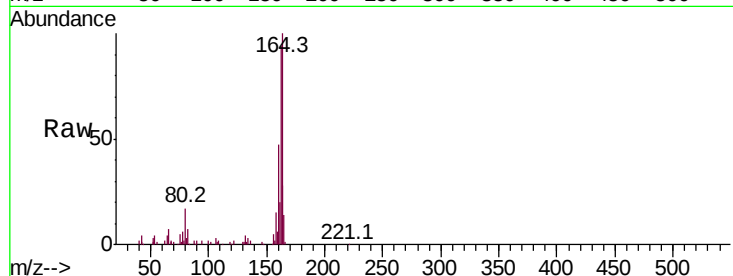




#56
 2,4-Dinitrotoluene
 Concen: 5.328 ng
 RT: 14.64 min Scan# 1932
 Delta R.T. -0.38 min
 Lab File: BG036170.D
 Acq: 7 Aug 2018 20:21

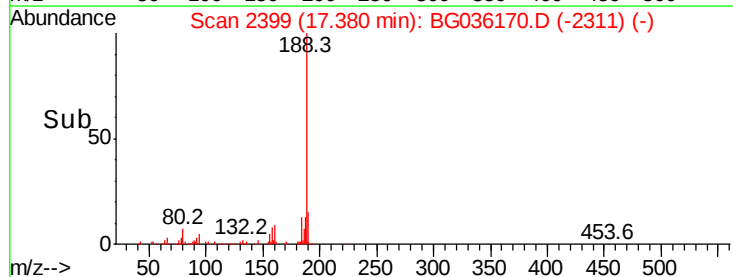
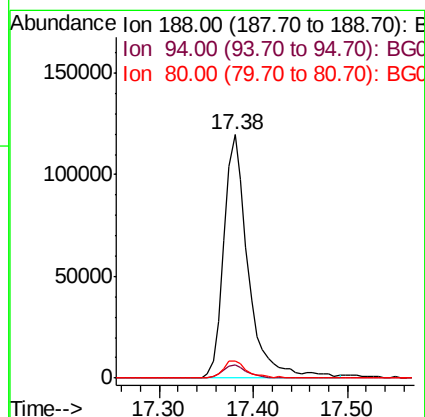
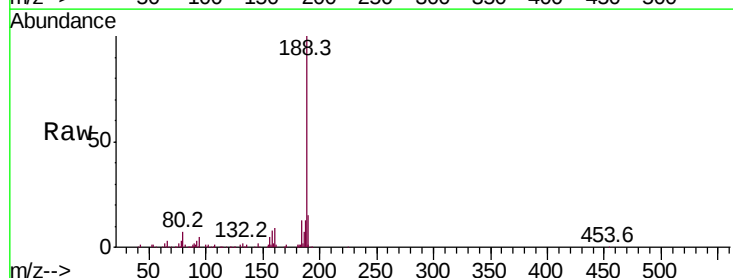
Instrument :
 BNA_G
 ClientSampleId :

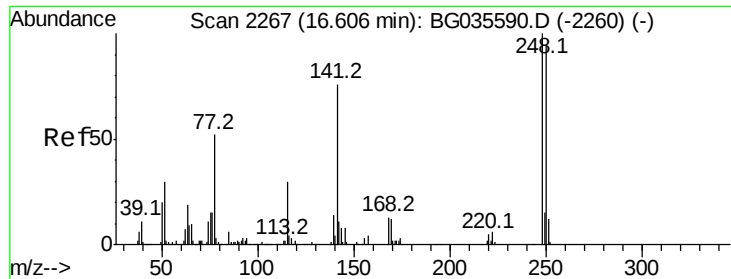
Tot Ion:165 Resp: 9874
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 3.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BG036170.D
 Acq: 7 Aug 2018 20:21

Tgt Ion:188 Resp: 216246
 Ion Ratio Lower Upper
 188 100
 94 5.2 6.9 10.3#
 80 7.1 7.7 11.5#

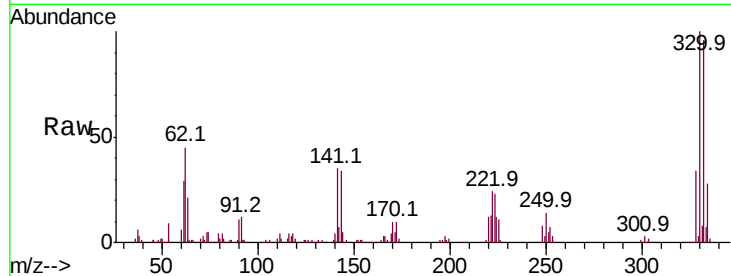




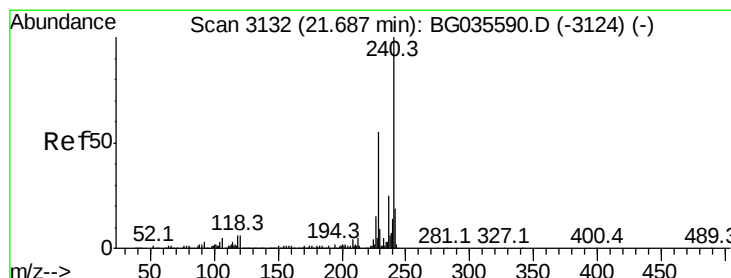
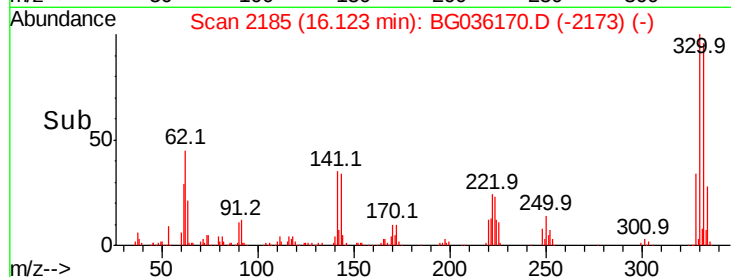
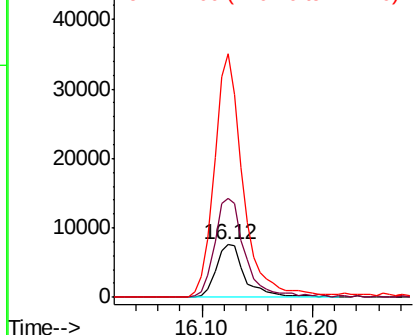
#66
4-Bromophenyl-phenylether
Concen: 5.512 ng
RT: 16.12 min Scan# 2185
Delta R.T. -0.46 min
Lab File: BG036170.D
Acq: 7 Aug 2018 20:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 13828
Ion Ratio Lower Upper
248 100
250 187.8 77.1 115.7#
141 463.8 50.8 76.2#

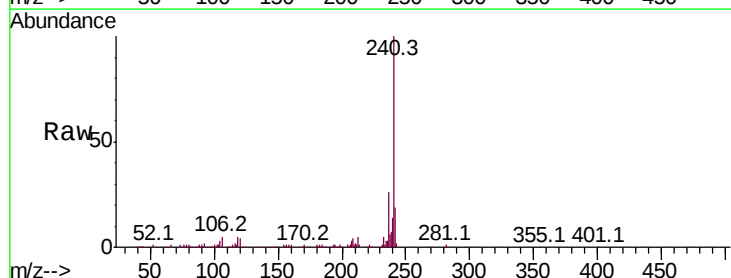


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

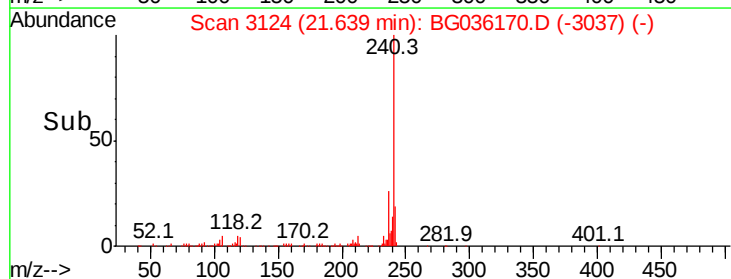
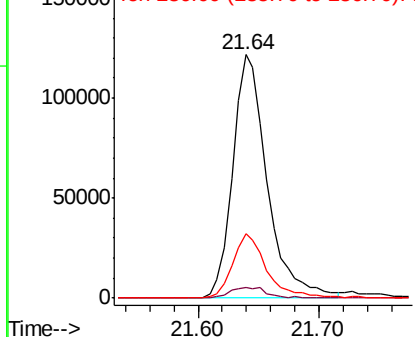


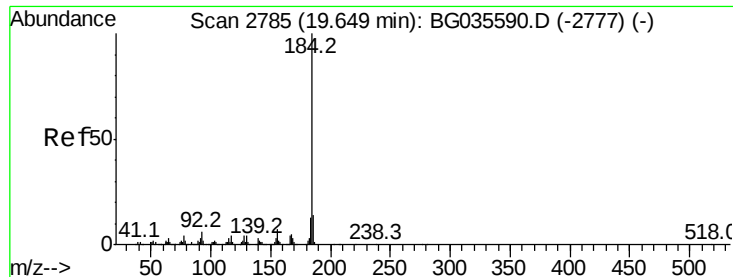
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3124
Delta R.T. -0.02 min
Lab File: BG036170.D
Acq: 7 Aug 2018 20:21

Tgt Ion:240 Resp: 241738
Ion Ratio Lower Upper
240 100
120 4.2 6.8 10.2#
236 26.3 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: 3.199 ng

RT: 19.98 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036170.D

Acq: 7 Aug 2018 20:21

Instrument :

BNA_G

ClientSampleId :

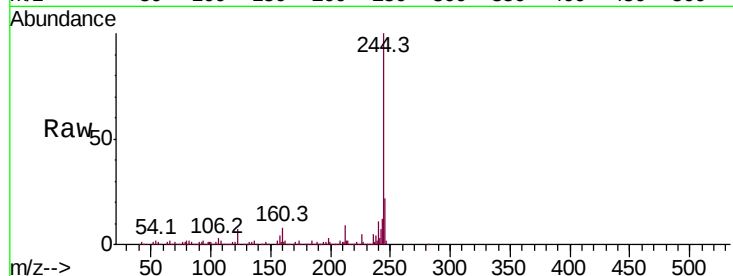
Tot Ion:184 Resp: 20328

Ion Ratio Lower Upper

184 100

185 14.9 11.1 16.7

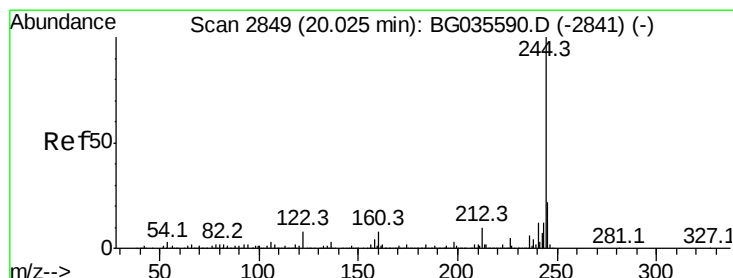
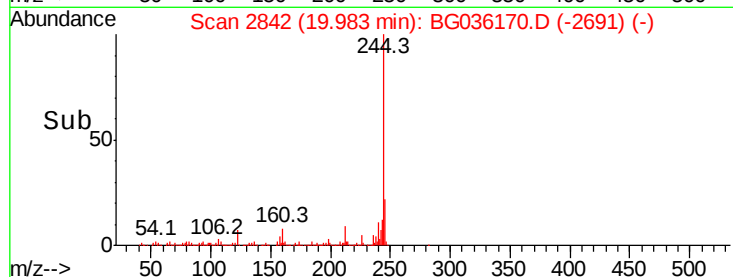
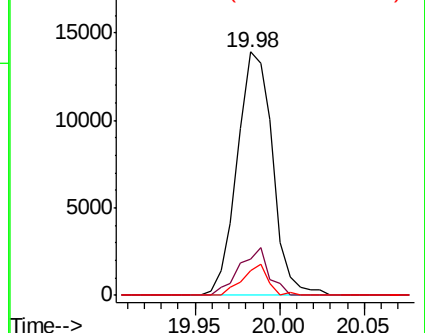
183 10.3 10.6 16.0#



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: 110.724 ng

RT: 19.99 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BG036170.D

Acq: 7 Aug 2018 20:21

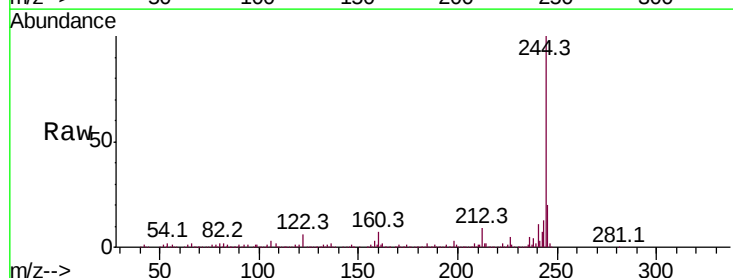
Tgt Ion:244 Resp: 1214271

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

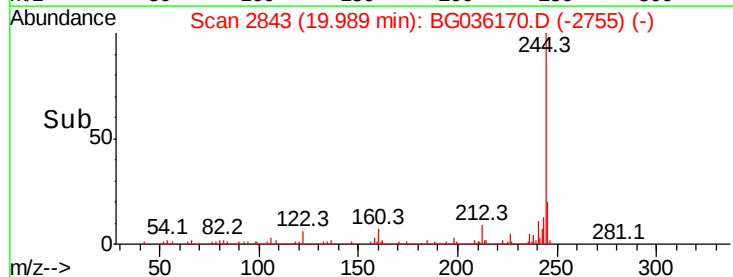
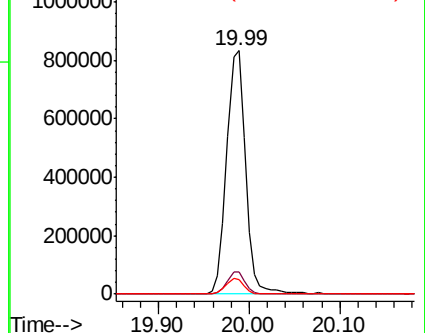
122 6.0 7.0 10.4#

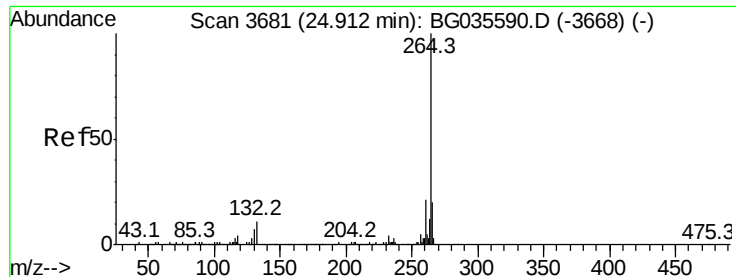


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

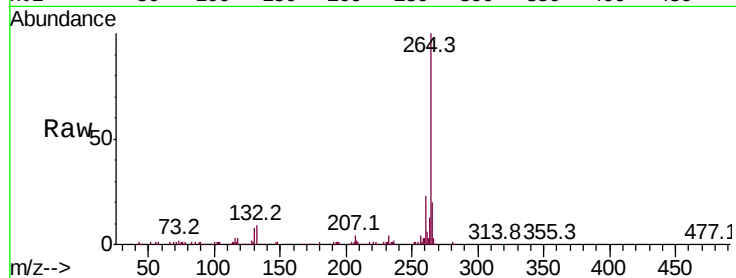




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3667
Delta R.T. -0.03 min
Lab File: BG036170.D
Acq: 7 Aug 2018 20:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	19.9	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

