

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080718\
 Data File : BG036186.D
 Acq On : 8 Aug 2018 7:29
 Operator : JU/SJ
 Sample : PB111739TB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 08 08:43:12 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

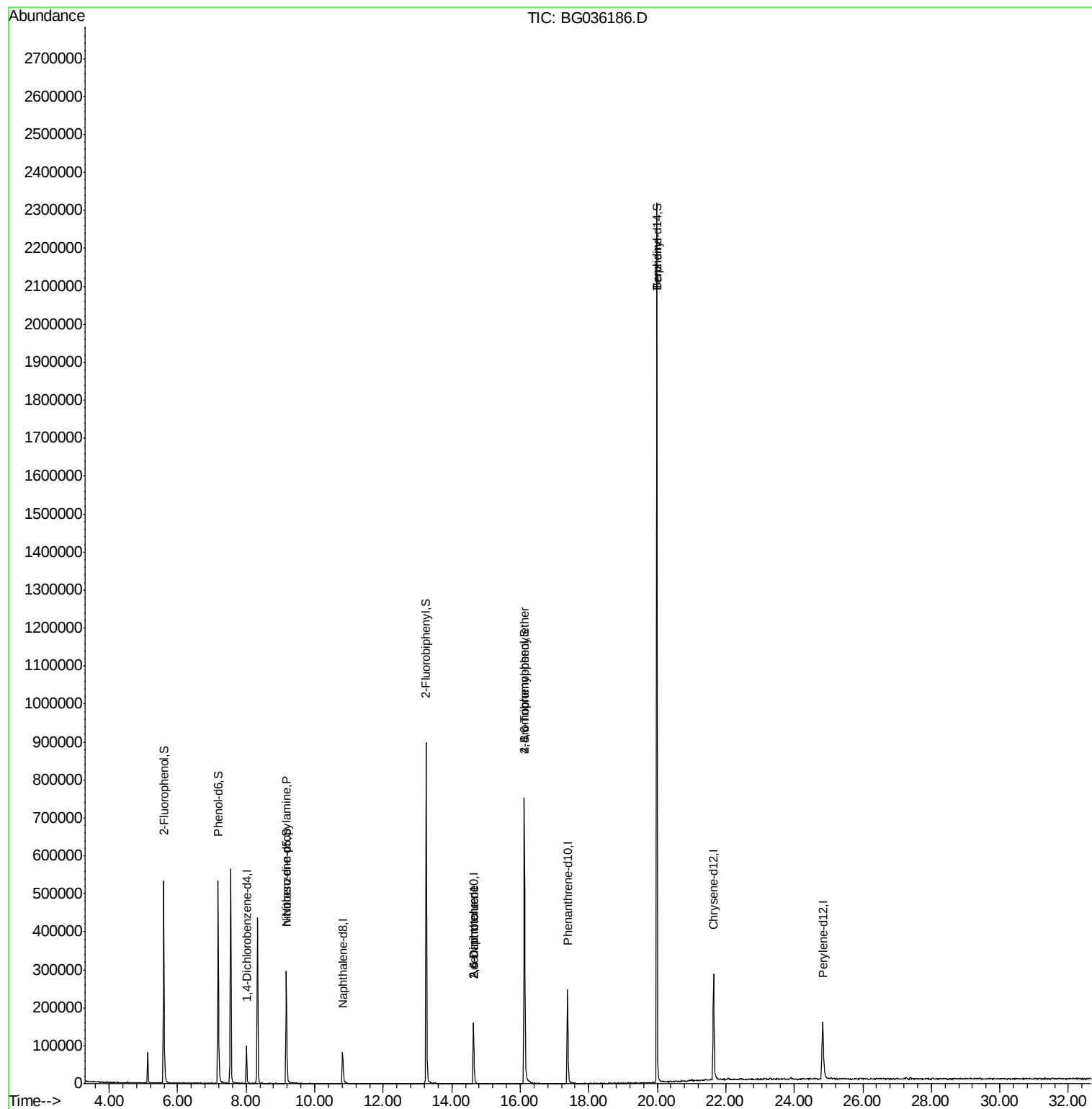
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	26904	20.00	ng	-0.02
21) Naphthalene-d8	10.82	136	88526	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	68181	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	200357	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	226853	20.00	ng	-0.02
86) Perylene-d12	24.83	264	198876	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	240870	148.64	ng	-0.01
7) Phenol-d6	7.18	99	341304	141.17	ng	-0.02
23) Nitrobenzene-d5	9.17	82	223489	105.46	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	162591	180.92	ng	-0.02
44) 2-Fluorobiphenyl	13.25	172	525252	103.21	ng	-0.02
78) Terphenyl-d14	19.99	244	1110512	107.91	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	30282	14.874	ng	# 73
50) 2,6-Dinitrotoluene	14.64	165	9215	7.575	ng	# 21
56) 2,4-Dinitrotoluene	14.64	165	9215	5.280	ng	# 18
66) 4-Bromophenyl-phenylether	16.12	248	13210	5.683	ng	# 1
76) Benzidine	19.99	184	19039	3.192	ng	# 90

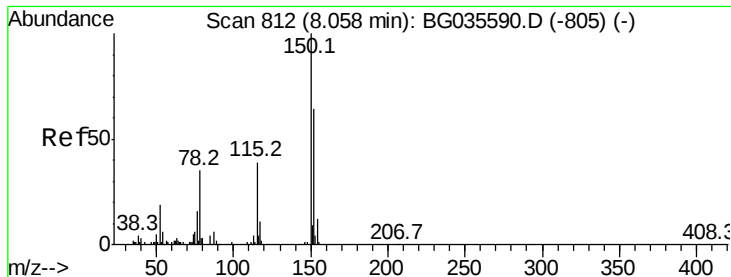
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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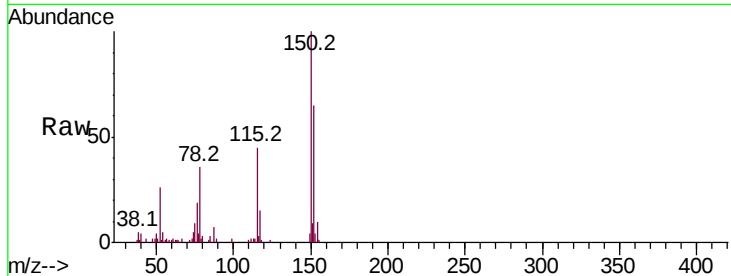


#1

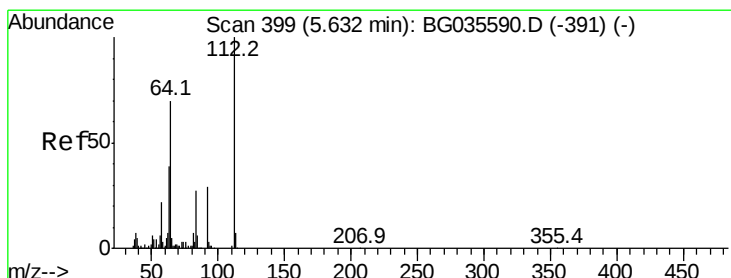
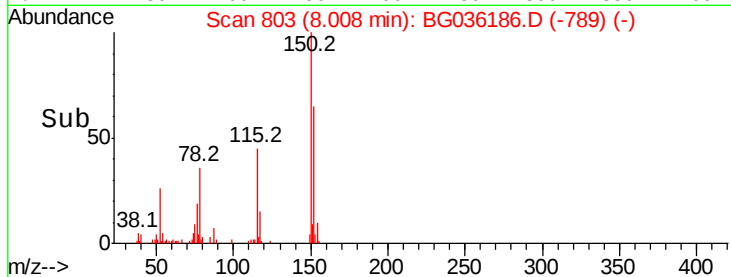
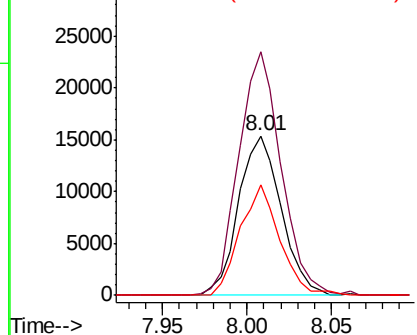
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 803
 Delta R.T. -0.02 min
 Lab File: BG036186.D
 Acq: 8 Aug 2018 7:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 26904
 Ion Ratio Lower Upper
 152 100
 150 153.0 126.6 189.8
 115 69.2 53.0 79.4



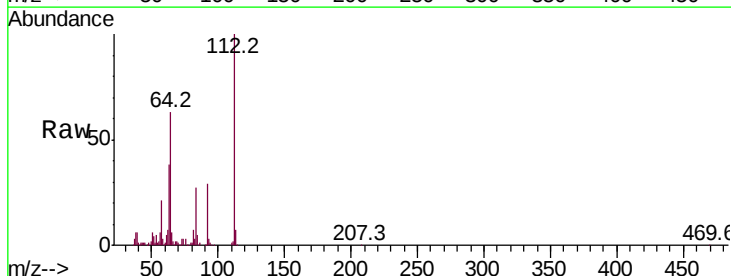
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



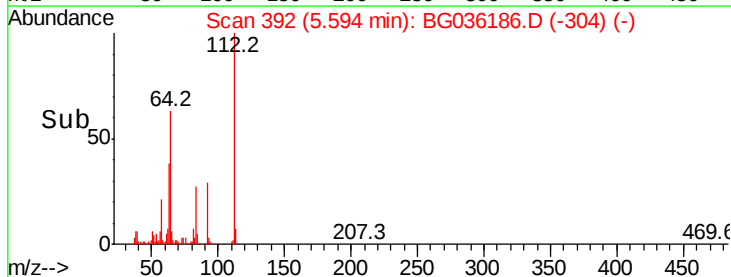
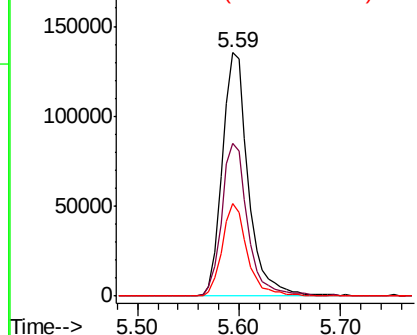
#5

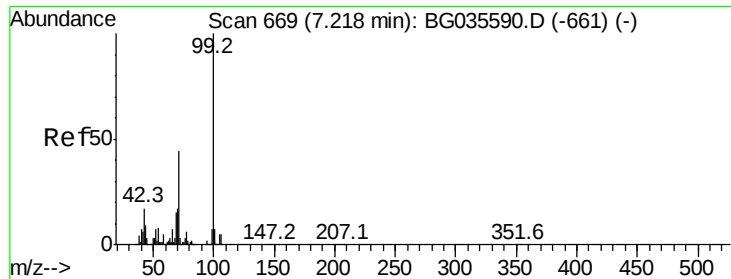
2-Fluorophenol
 Concen: 148.640 ng
 RT: 5.59 min Scan# 392
 Delta R.T. -0.01 min
 Lab File: BG036186.D
 Acq: 8 Aug 2018 7:29

Tgt Ion:112 Resp: 240870
 Ion Ratio Lower Upper
 112 100
 64 62.8 56.3 84.5
 63 38.0 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: 141.166 ng

RT: 7.18 min Scan# 662

Delta R.T. -0.02 min

Lab File: BG036186.D

Acq: 8 Aug 2018 7:29

Instrument :

BNA_G

ClientSampleId :

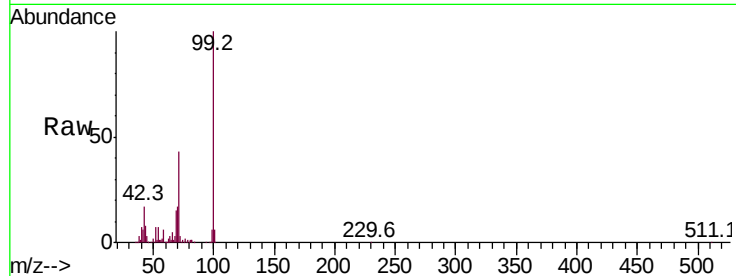
Tot Ion: 99 Resp: 341304

Ion Ratio Lower Upper

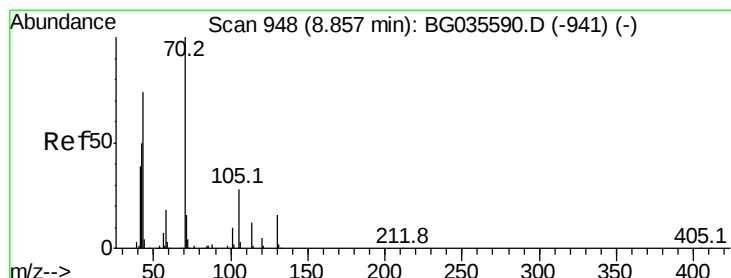
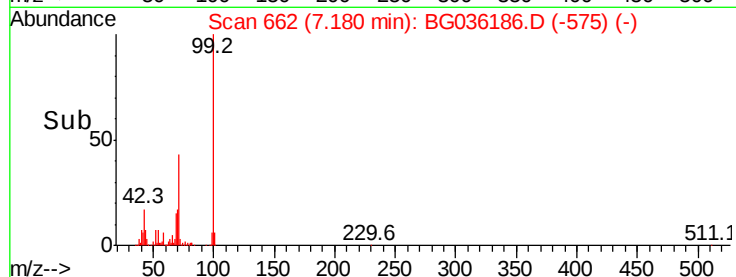
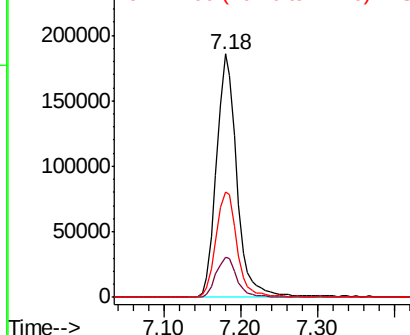
99 100

42 16.6 14.1 21.1

71 43.5 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: 14.874 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036186.D

Acq: 8 Aug 2018 7:29

Tgt Ion: 70 Resp: 30282

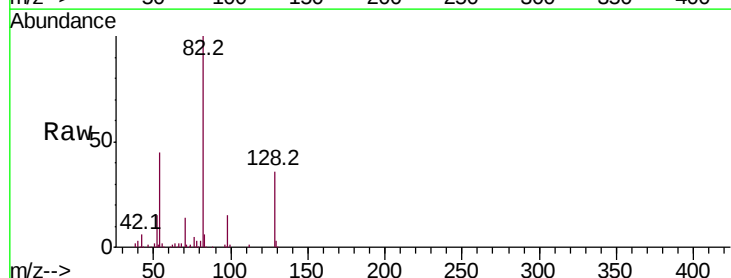
Ion Ratio Lower Upper

70 100

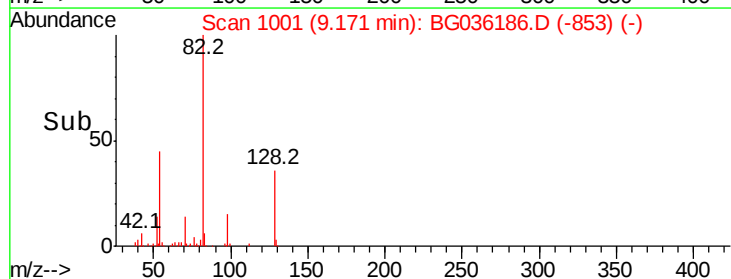
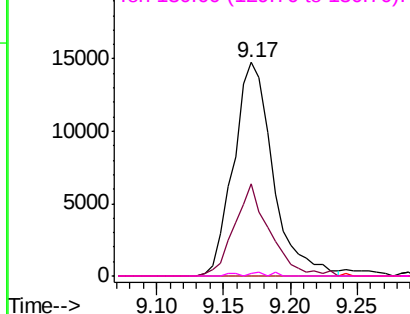
42 43.2 49.1 73.7#

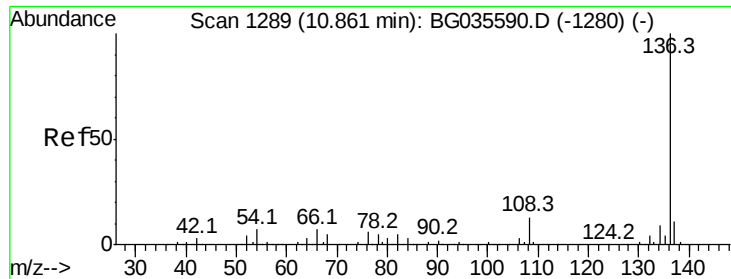
101 0.0 8.5 12.7#

130 1.1 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

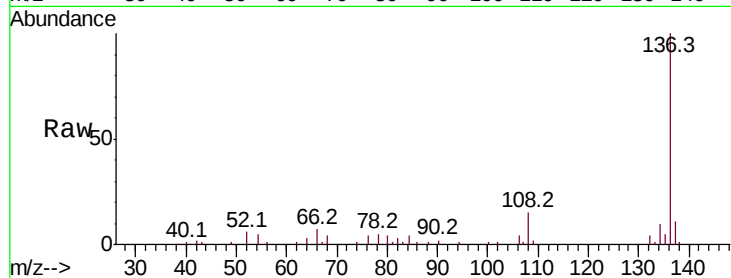




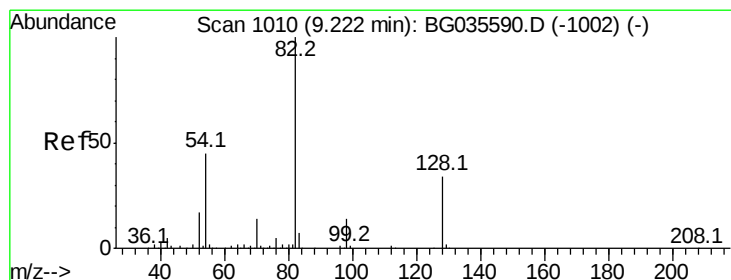
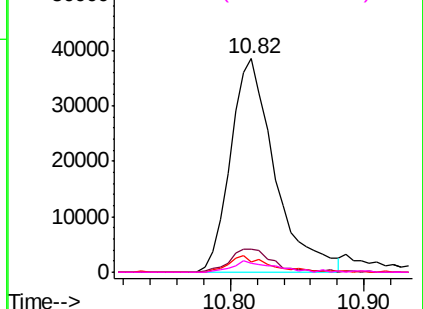
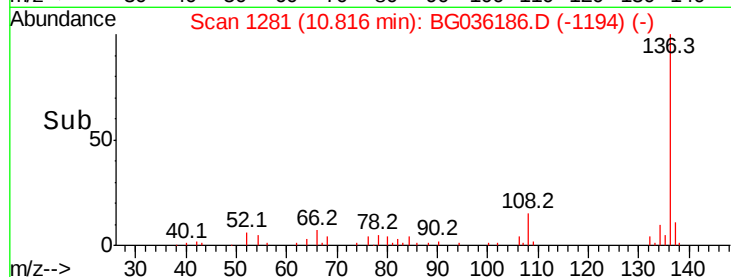
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036186.D
Acq: 8 Aug 2018 7:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	88526
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.2 13.8
54	4.7	10.3 15.5#
68	3.9	4.5 6.7#

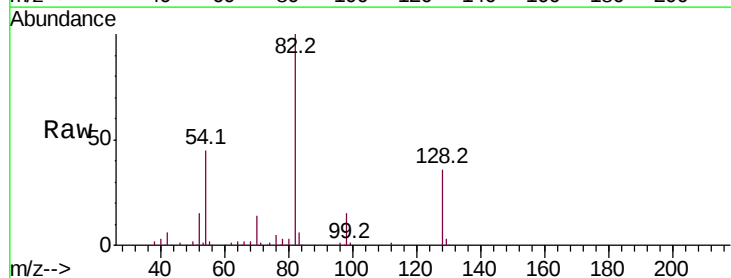


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

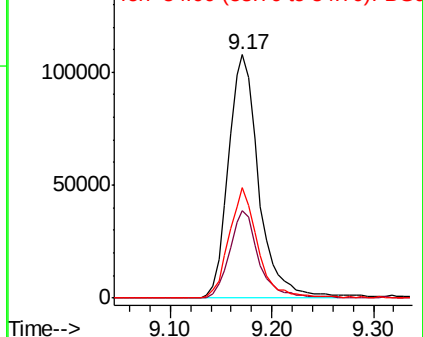
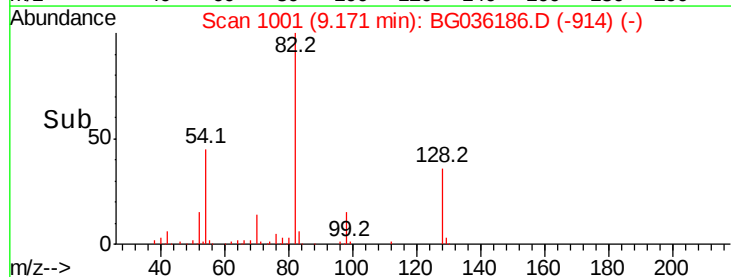


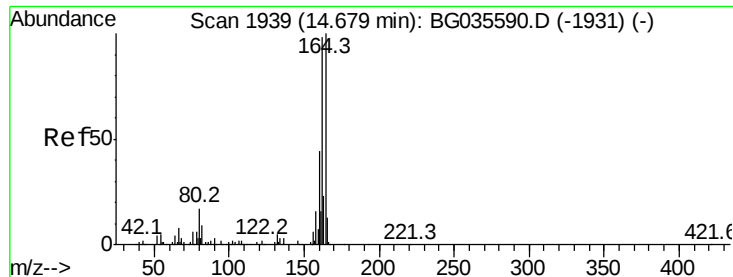
#23
Nitrobenzene-d5
Concen: 105.463 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BG036186.D
Acq: 8 Aug 2018 7:29

Tgt Ion: 82	Resp:	223489
Ion Ratio	Lower	Upper
82	100	
128	35.8	29.7 44.5
54	45.2	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
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: BG036186.D

Acq: 8 Aug 2018 7:29

Instrument :

BNA_G

ClientSampleId :

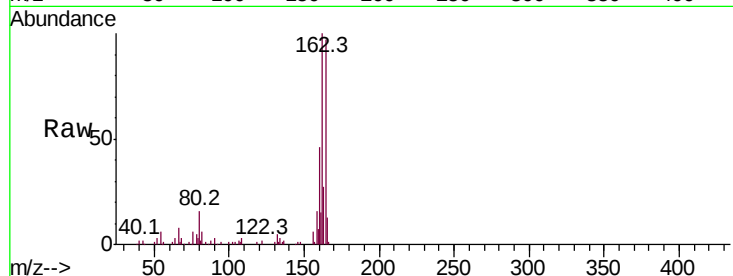
Tot Ion:164 Resp: 68181

Ion Ratio Lower Upper

164 100

162 103.1 78.8 118.2

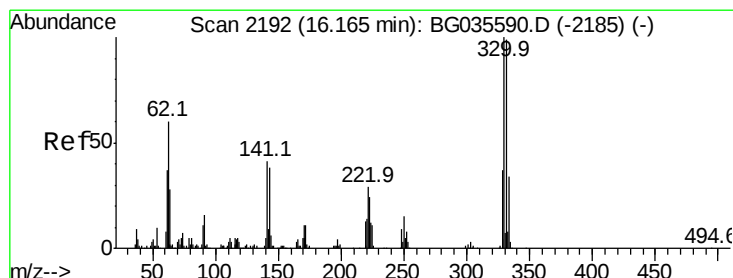
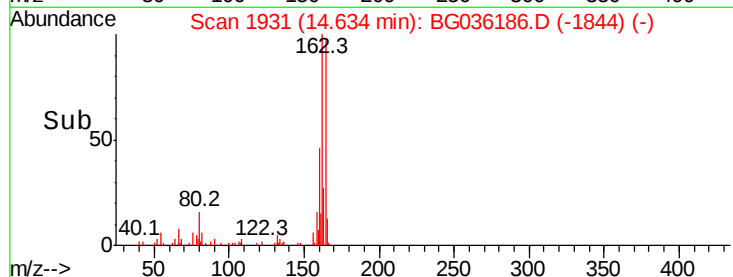
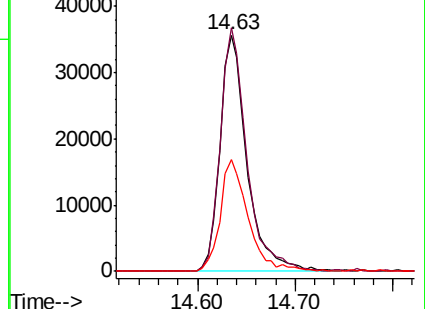
160 47.2 35.4 53.0



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: 180.924 ng

RT: 16.13 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036186.D

Acq: 8 Aug 2018 7:29

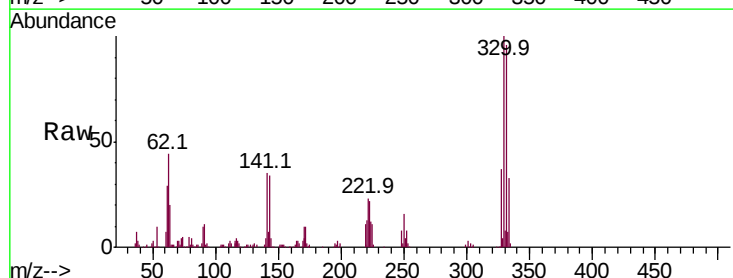
Tgt Ion:330 Resp: 162591

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

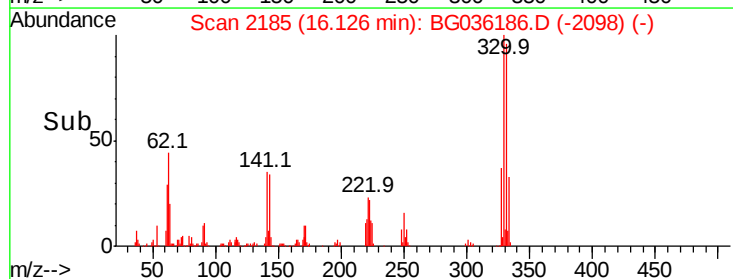
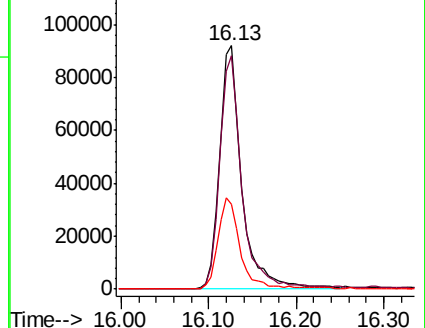
141 36.5 25.2 37.8

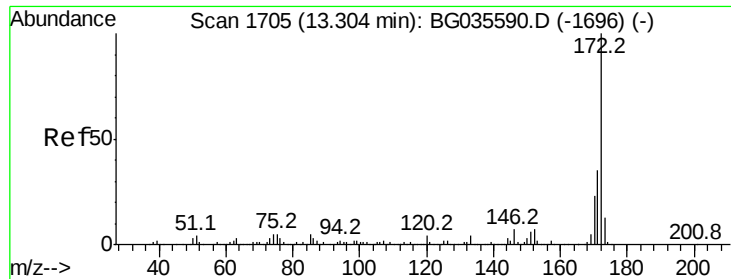


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

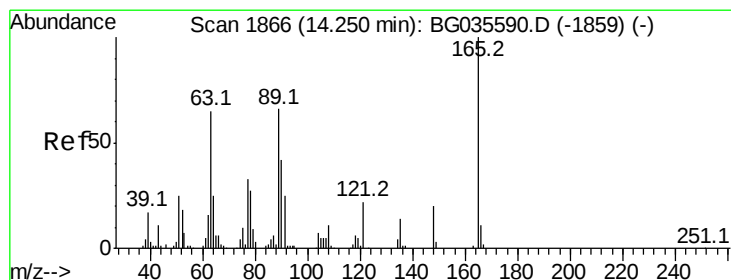
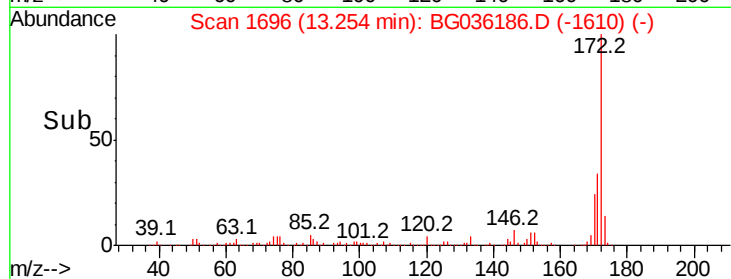
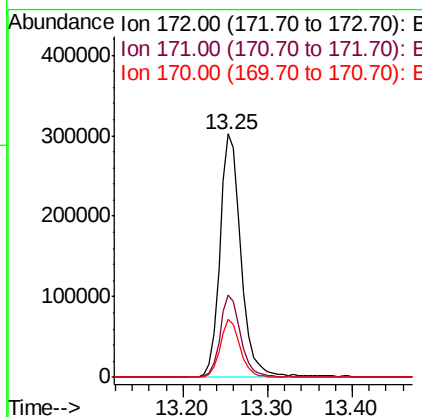
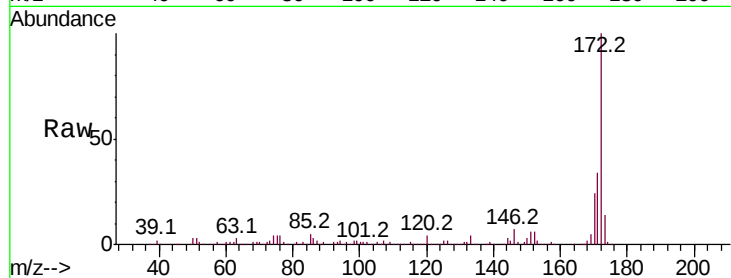




#44
 2-Fluorobiphenyl
 Concen: 103.211 ng
 RT: 13.25 min Scan# 1696
 Delta R.T. -0.02 min
 Lab File: BG036186.D
 Acq: 8 Aug 2018 7:29

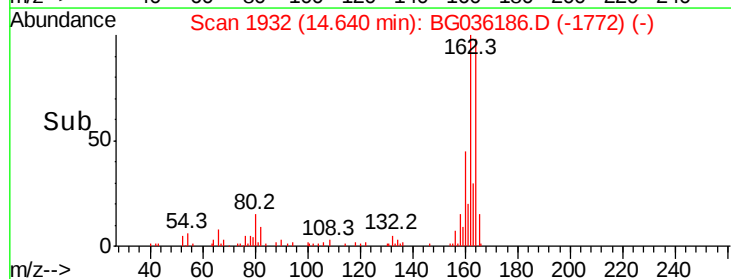
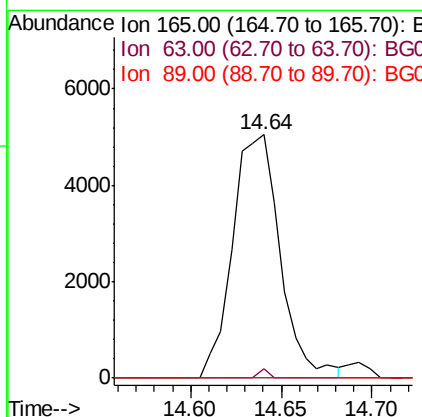
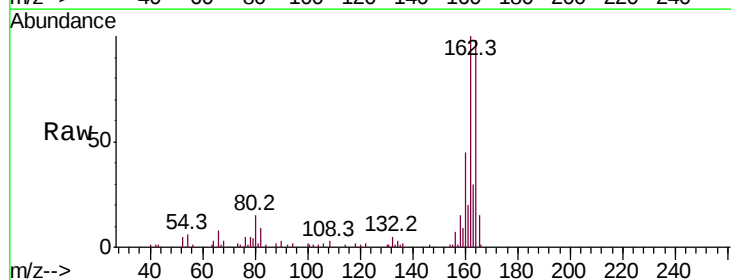
Instrument :
 BNA_G
 ClientSampleId :

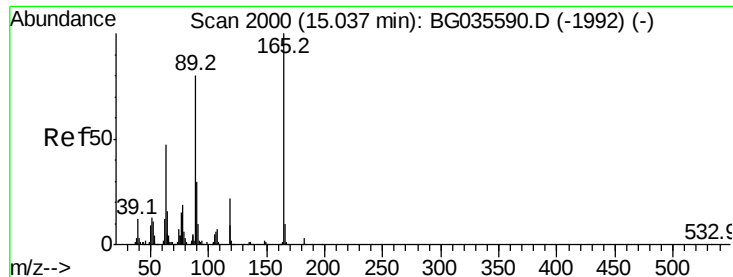
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.9	30.0	45.0
170	23.7	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.575 ng
 RT: 14.64 min Scan# 1932
 Delta R.T. 0.41 min
 Lab File: BG036186.D
 Acq: 8 Aug 2018 7:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.7	52.7	79.1#
89	0.0	49.2	73.8#

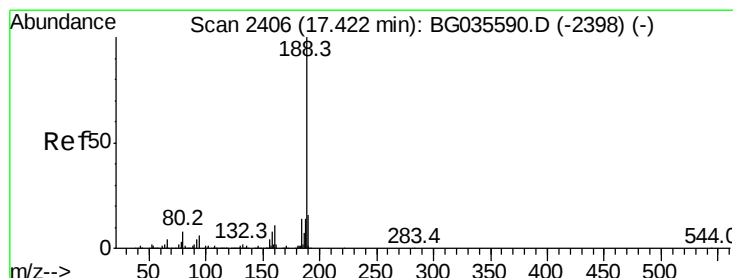
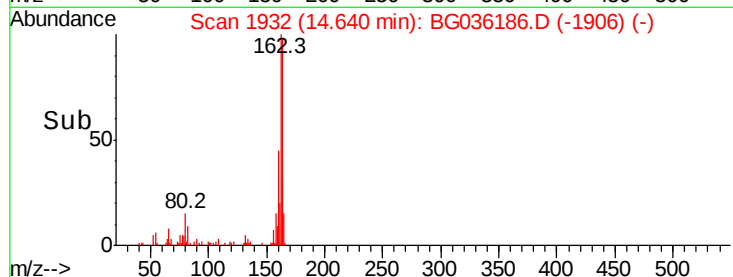
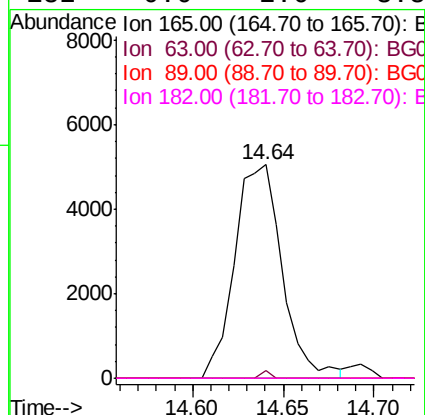
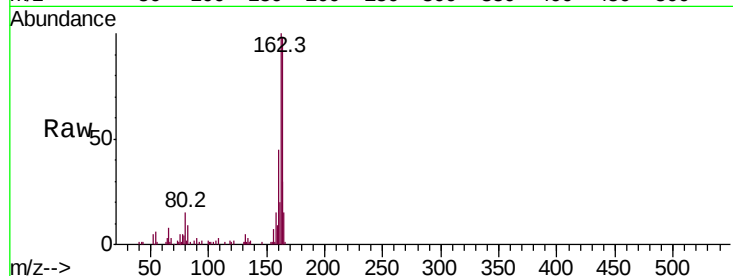




#56
2,4-Dinitrotoluene
Concen: 5.280 ng
RT: 14.64 min Scan# 1932
Delta R.T. -0.37 min
Lab File: BG036186.D
Acq: 8 Aug 2018 7:29

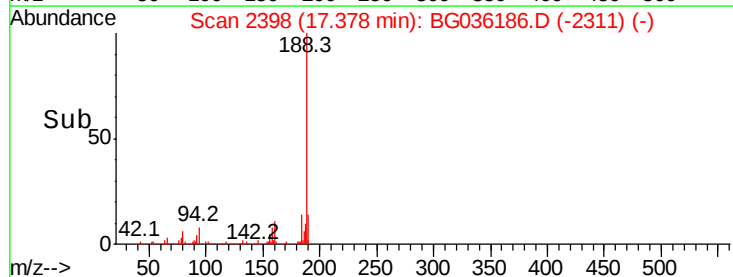
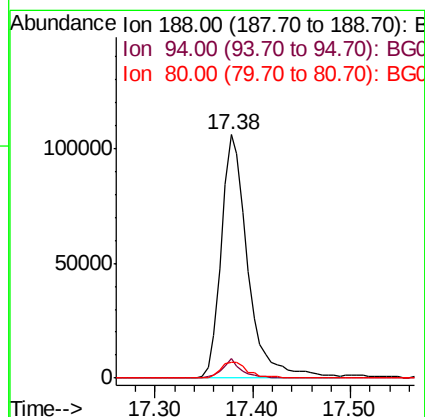
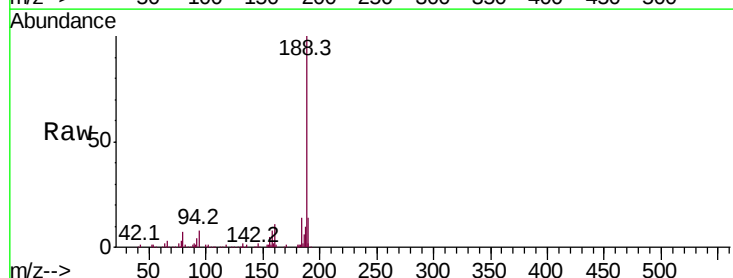
Instrument :
BNA_G
ClientSampleId :

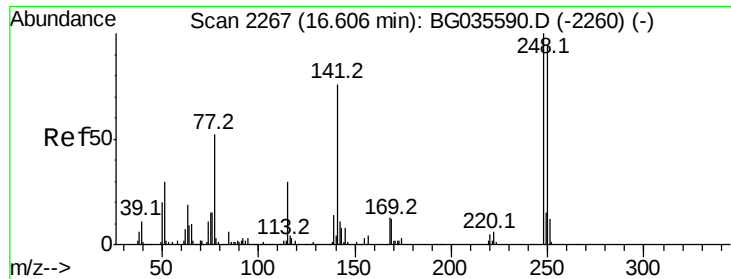
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.7	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.38 min Scan# 2398
Delta R.T. -0.02 min
Lab File: BG036186.D
Acq: 8 Aug 2018 7:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.9	10.3
80	6.6	7.7	11.5#

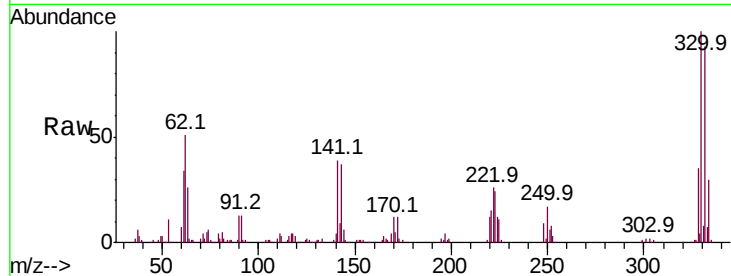




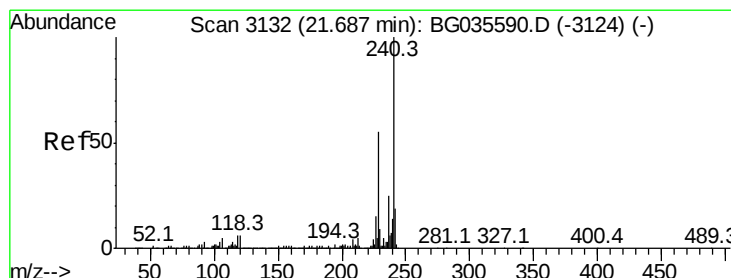
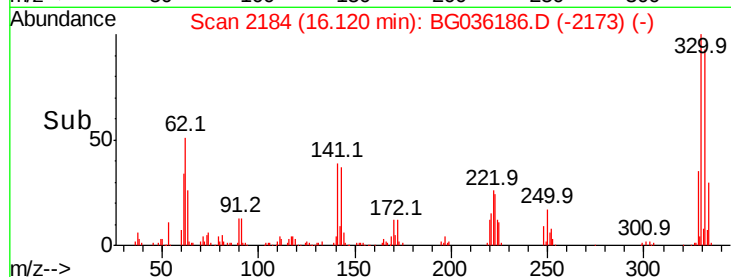
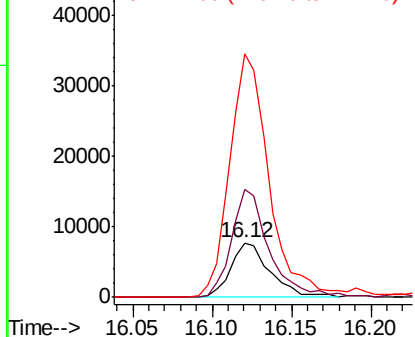
#66
 4-Bromophenyl-phenylether
 Concen: 5.683 ng
 RT: 16.12 min Scan# 2184
 Delta R.T. -0.46 min
 Lab File: BG036186.D
 Acq: 8 Aug 2018 7:29

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 13210
 Ion Ratio Lower Upper
 248 100
 250 198.7 77.1 115.7#
 141 448.6 50.8 76.2#

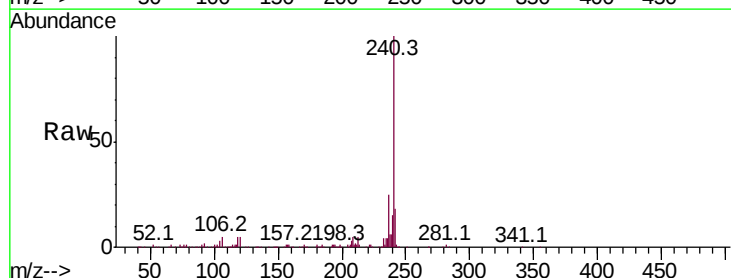


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

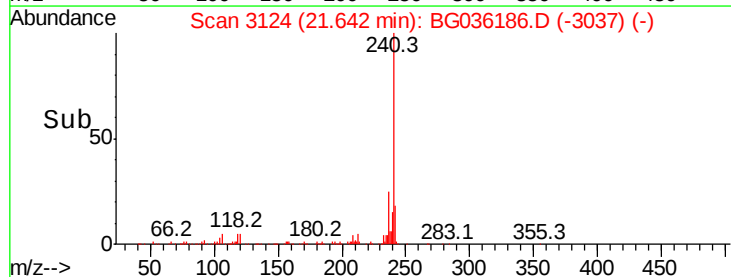
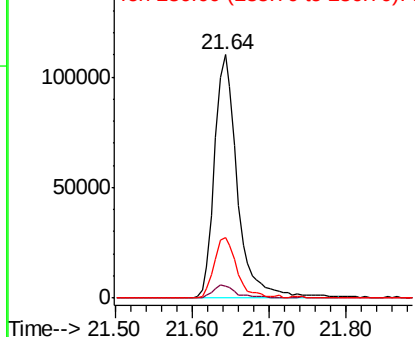


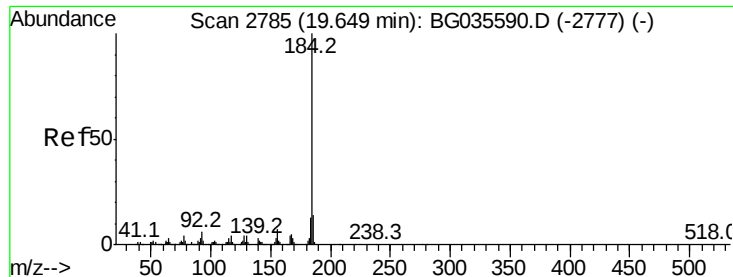
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BG036186.D
 Acq: 8 Aug 2018 7:29

Tgt Ion:240 Resp: 226853
 Ion Ratio Lower Upper
 240 100
 120 5.0 6.8 10.2#
 236 25.0 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: 3.192 ng

RT: 19.99 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036186.D

Acq: 8 Aug 2018 7:29

Instrument :

BNA_G

ClientSampleId :

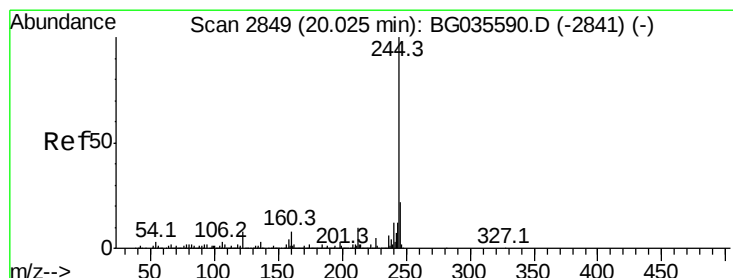
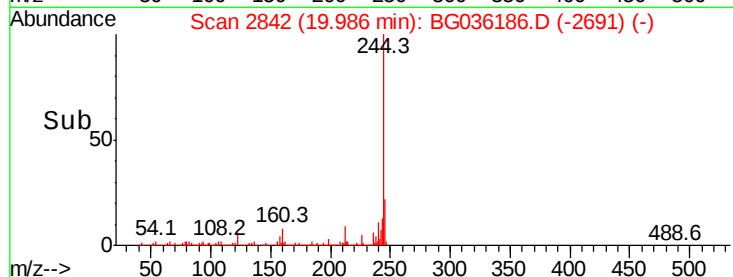
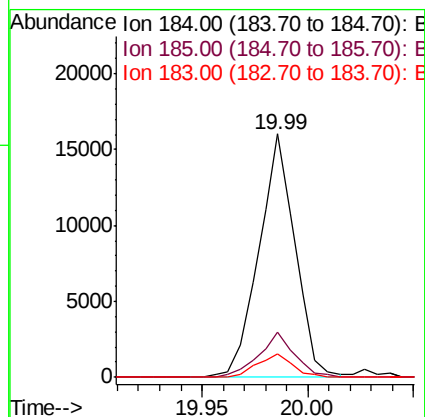
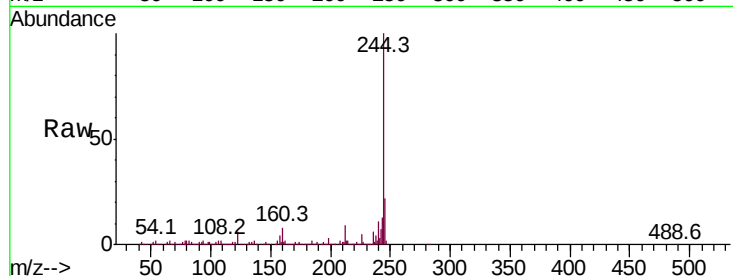
Tot Ion:184 Resp: 19039

Ion Ratio Lower Upper

184 100

185 18.4 11.1 16.7#

183 9.6 10.6 16.0#



#78

Terphenyl-d14

Concen: 107.907 ng

RT: 19.99 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036186.D

Acq: 8 Aug 2018 7:29

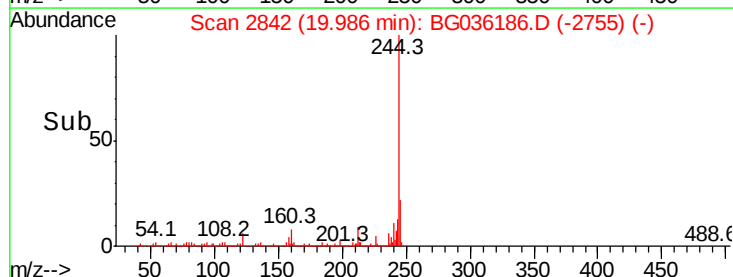
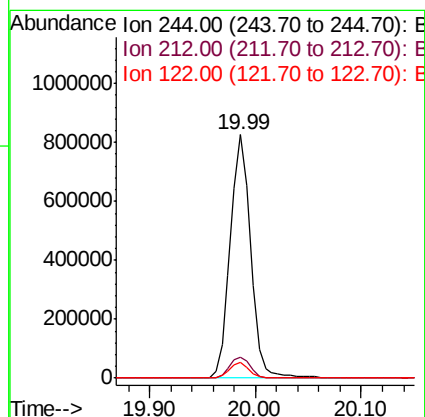
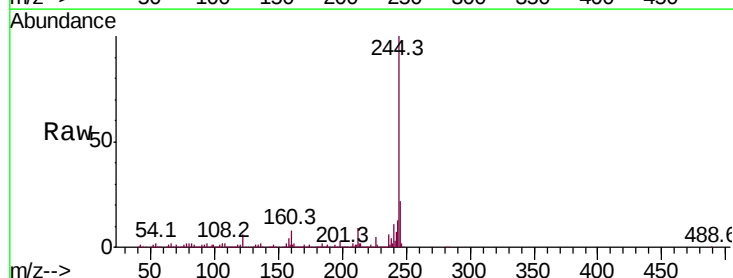
Tgt Ion:244 Resp: 1110512

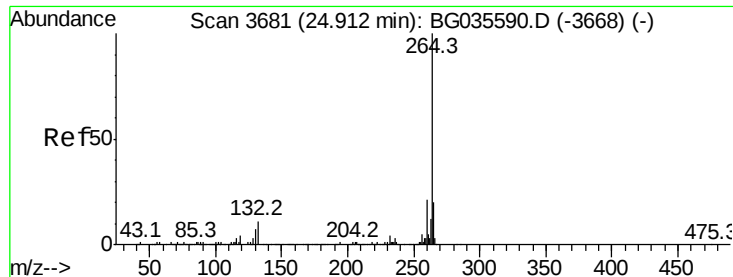
Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

122 6.4 7.0 10.4#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3667
Delta R.T. -0.03 min
Lab File: BG036186.D
Acq: 8 Aug 2018 7:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.4	26.0
265	19.7	17.7	26.5

