

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091118\
 Data File : BG036668.D
 Acq On : 11 Sep 2018 22:43
 Operator : JU/SJ
 Sample : J4841-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 12 04:05:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 31 13:03:20 2018
 Response via : Initial Calibration

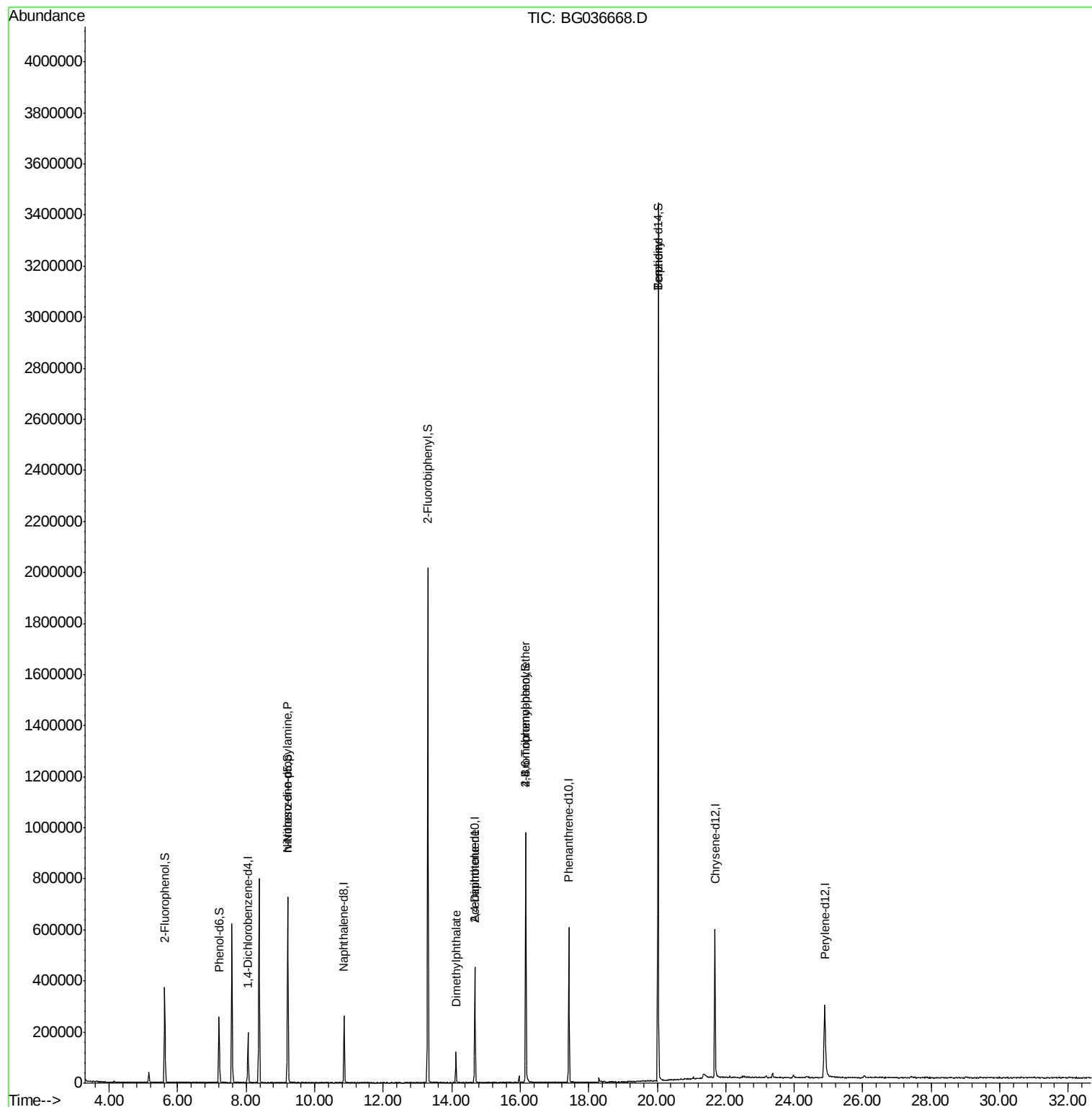
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	53230	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	226386	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	149879	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	383457	20.00	ng	0.00
75) Chrysene-d12	21.69	240	390831	20.00	ng	0.00
86) Perylene-d12	24.89	264	355459	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	156320	46.58	ng	0.00
7) Phenol-d6	7.20	99	151762	31.59	ng	-0.02
23) Nitrobenzene-d5	9.21	82	434243	104.07	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	184706	103.28	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	1001659	95.42	ng	0.00
78) Terphenyl-d14	20.03	244	1555115	93.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	58508	16.295	ng	Qvalue # 70
49) Dimethylphthalate	14.12	163	78510	6.415	ng	99
56) 2,4-Dinitrotoluene	14.68	165	19066	5.809	ng	# 21
66) 4-Bromophenyl-phenylether	16.16	248	13060	2.909	ng	# 1
76) Benzidine	20.03	184	26774	2.147	ng	# 92

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

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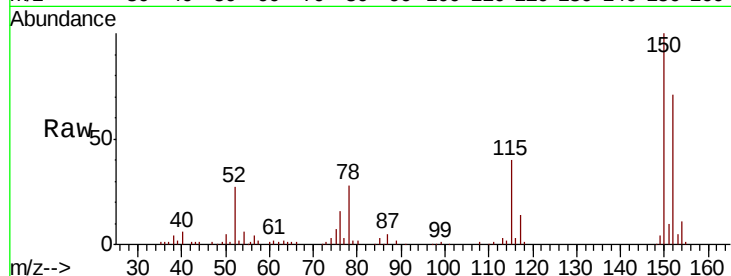


#1

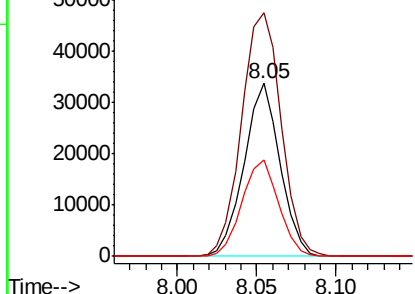
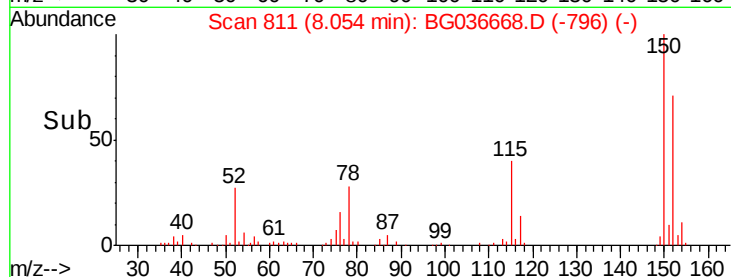
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG036668.D
Acq: 11 Sep 2018 22:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 53230
Ion Ratio Lower Upper
152 100
150 141.0 119.5 179.3
115 55.8 44.5 66.7



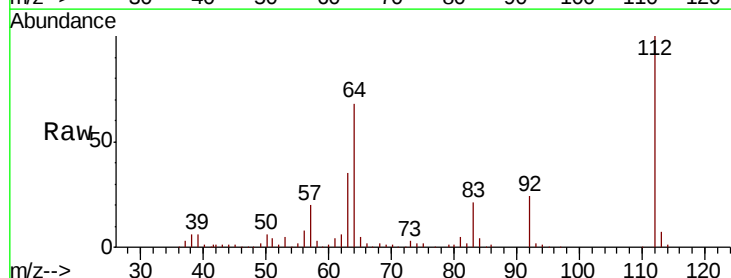
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



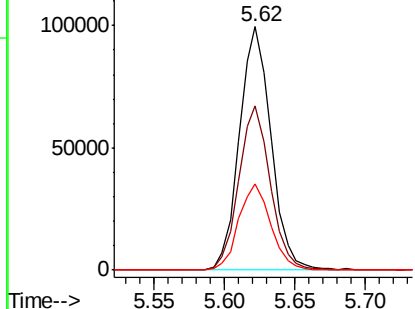
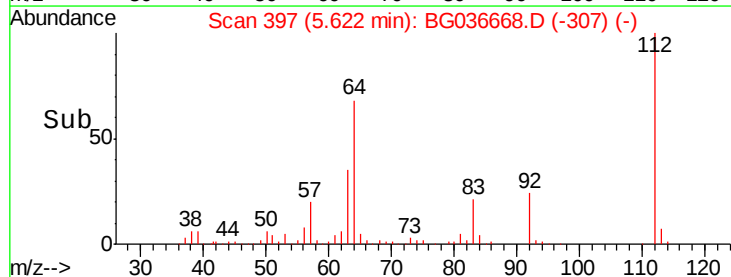
#5

2-Fluorophenol
Concen: 46.585 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.00 min
Lab File: BG036668.D
Acq: 11 Sep 2018 22:43

Tgt Ion:112 Resp: 156320
Ion Ratio Lower Upper
112 100
64 67.7 57.2 85.8
63 35.2 30.8 46.2



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: 31.588 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.02 min

Lab File: BG036668.D

Acq: 11 Sep 2018 22:43

Instrument :

BNA_G

ClientSampled :

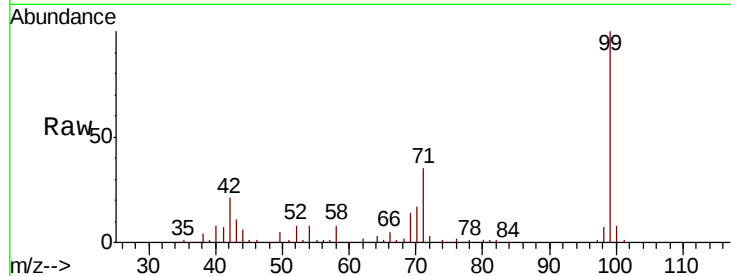
Tot Ion: 99 Resp: 151762

Ion Ratio Lower Upper

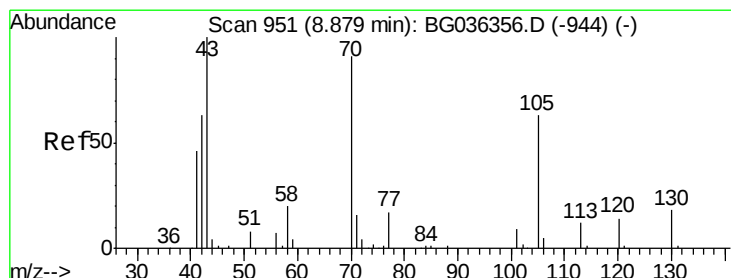
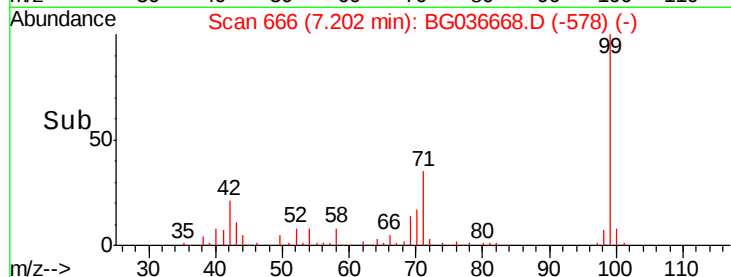
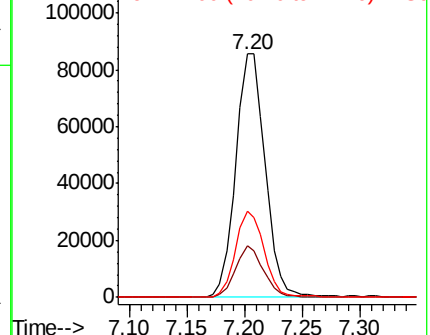
99 100

42 21.4 16.5 24.7

71 35.4 29.4 44.2



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: 16.295 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036668.D

Acq: 11 Sep 2018 22:43

Tgt Ion: 70 Resp: 58508

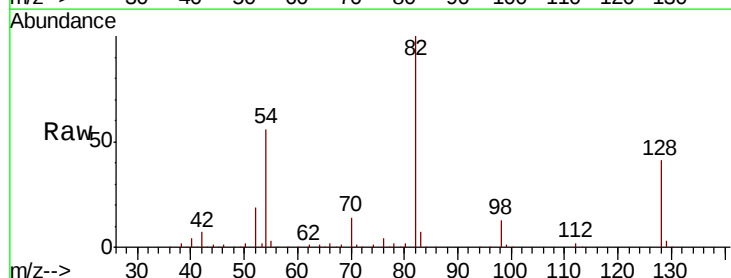
Ion Ratio Lower Upper

70 100

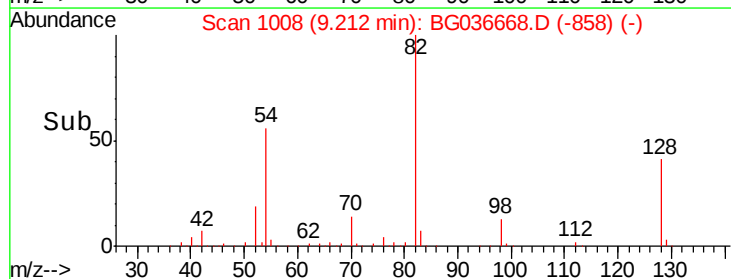
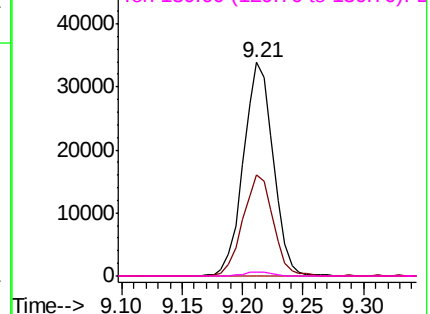
42 47.6 56.2 84.4#

101 0.0 7.8 11.6#

130 1.6 16.2 24.2#



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

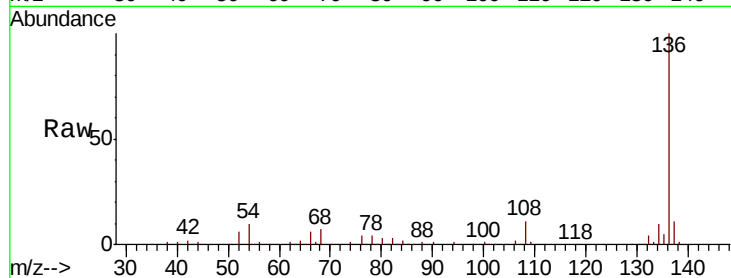




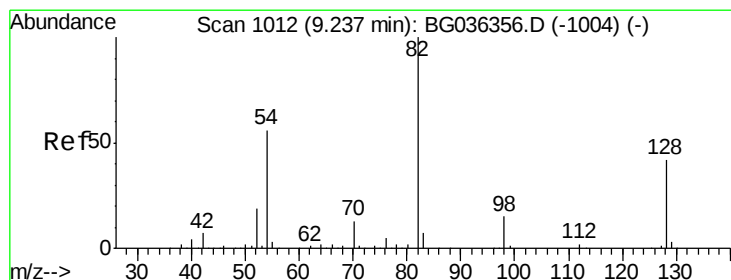
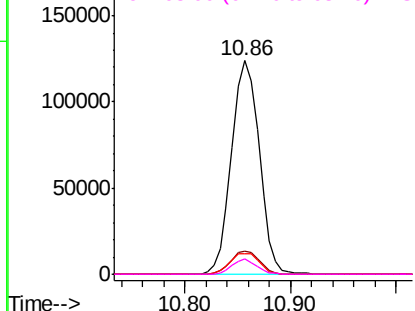
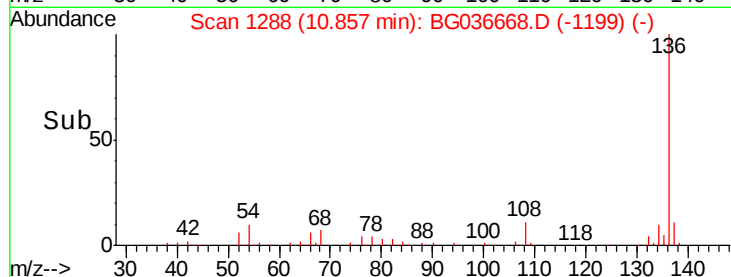
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036668.D
Acq: 11 Sep 2018 22:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	226386
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.8 13.2
54	9.7	9.2 13.8
68	7.3	5.8 8.6

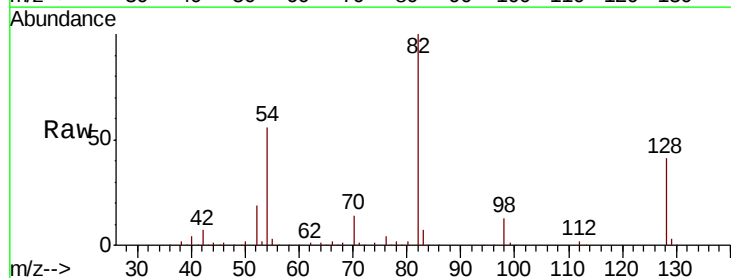


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

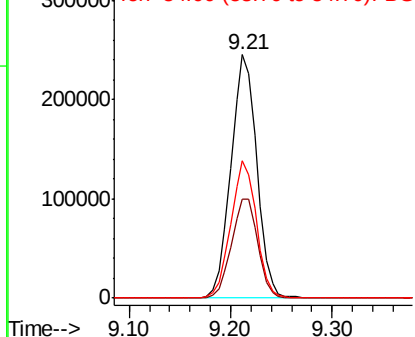
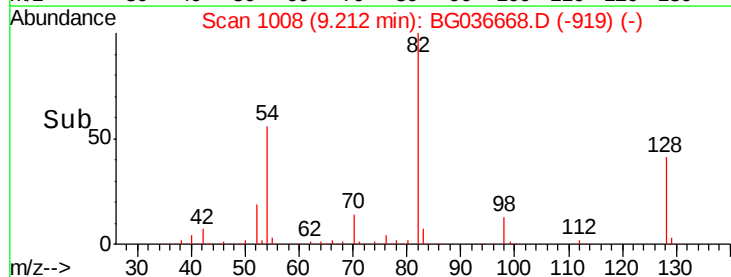


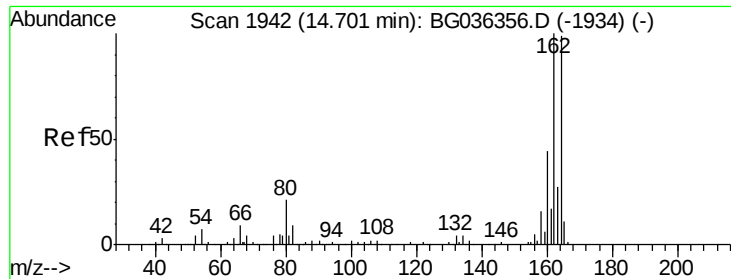
#23
Nitrobenzene-d5
Concen: 104.073 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036668.D
Acq: 11 Sep 2018 22:43

Tgt Ion: 82	Resp:	434243
Ion	Ratio	Lower Upper
82	100	
128	40.5	33.3 49.9
54	56.4	45.1 67.7



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: 14.68 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG036668.D

Acq: 11 Sep 2018 22:43

Instrument :

BNA_G

ClientSampleId :

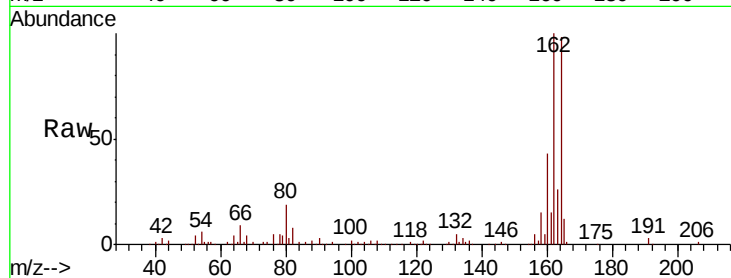
Tot Ion:164 Resp: 149879

Ion Ratio Lower Upper

164 100

162 102.3 80.7 121.1

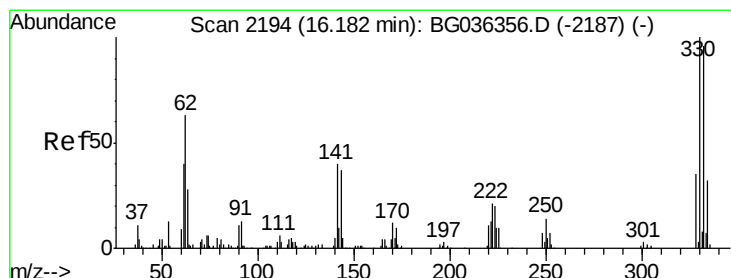
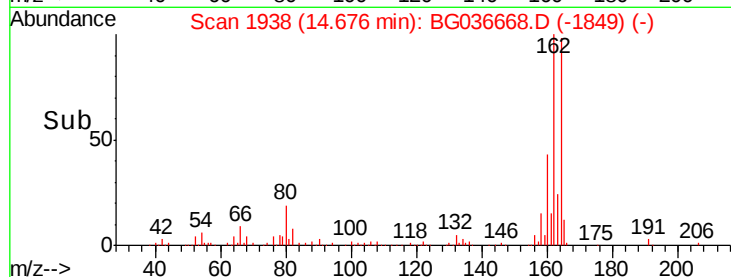
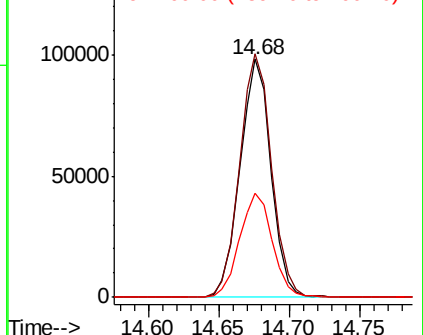
160 43.6 35.3 52.9



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: 103.281 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036668.D

Acq: 11 Sep 2018 22:43

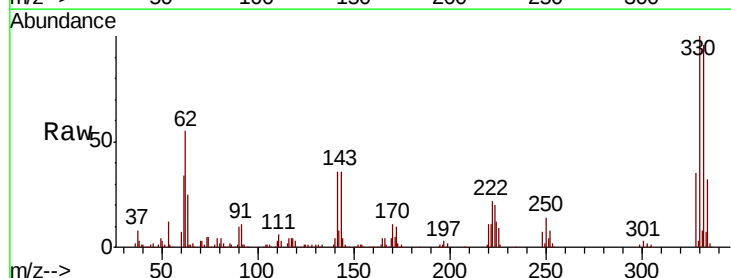
Tgt Ion:330 Resp: 184706

Ion Ratio Lower Upper

330 100

332 95.6 75.4 113.2

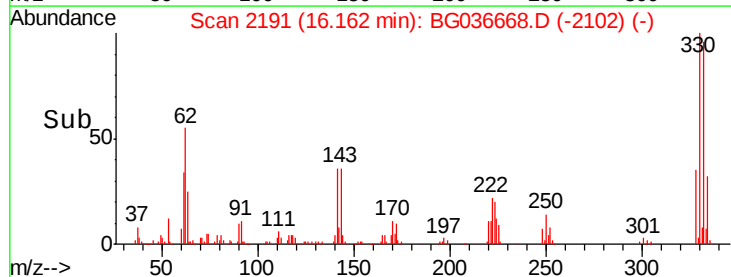
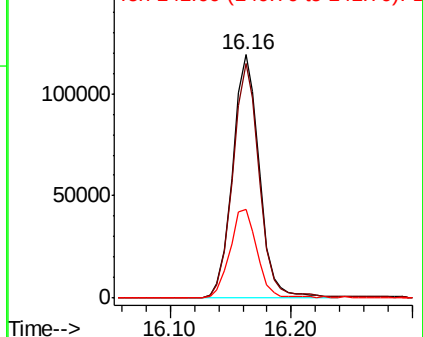
141 37.4 30.7 46.1

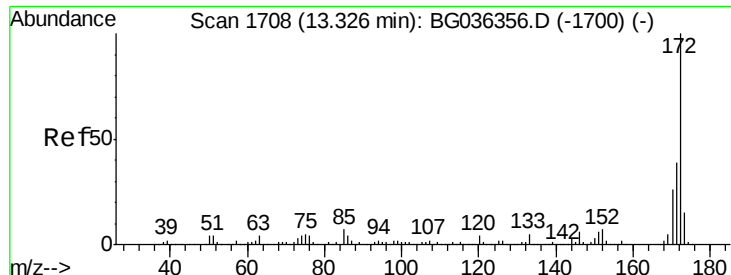


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

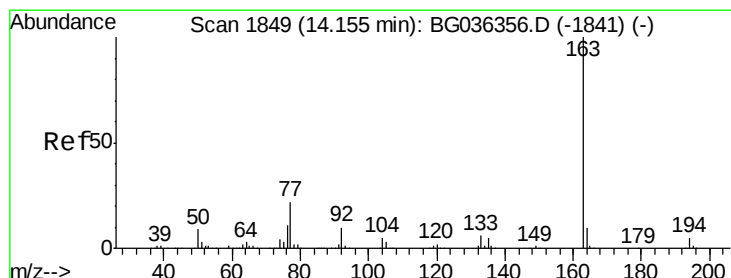
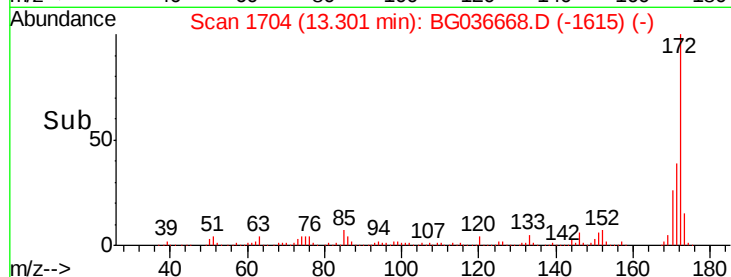
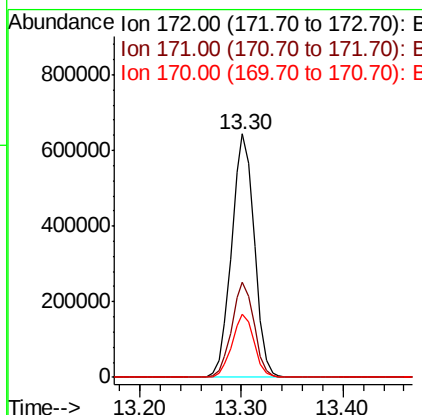
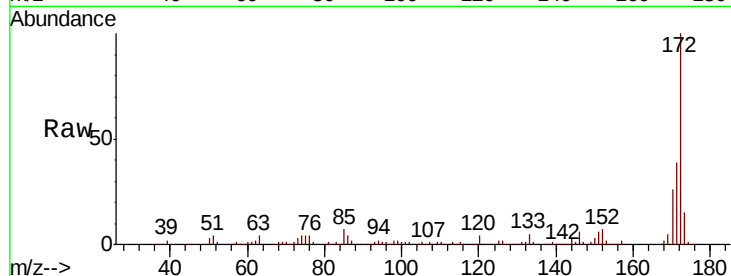




#44
2-Fluorobiphenyl
Concen: 95.423 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BG036668.D
Acq: 11 Sep 2018 22:43

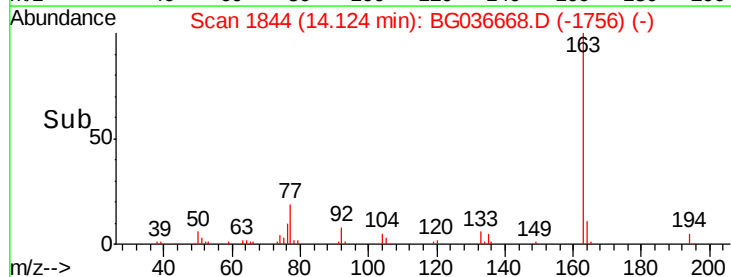
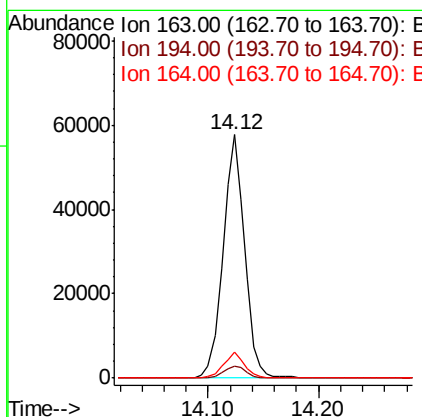
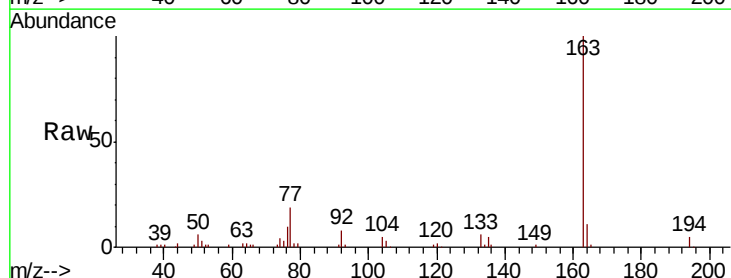
Instrument :
BNA_G
ClientSampleId :

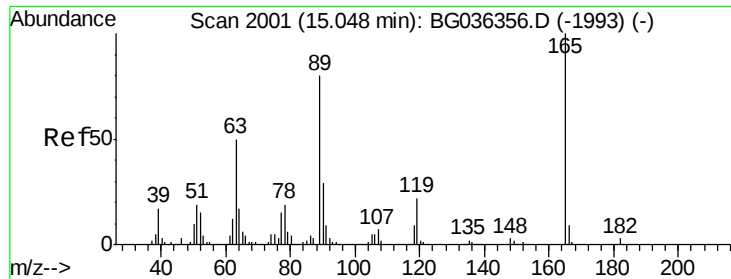
Tot Ion:172 Resp: 1001659
Ion Ratio Lower Upper
172 100
171 38.8 31.3 46.9
170 26.2 21.0 31.6



#49
Dimethylphthalate
Concen: 6.415 ng
RT: 14.12 min Scan# 1844
Delta R.T. -0.02 min
Lab File: BG036668.D
Acq: 11 Sep 2018 22:43

Tgt Ion:163 Resp: 78510
Ion Ratio Lower Upper
163 100
194 5.0 4.0 6.0
164 10.8 8.1 12.1

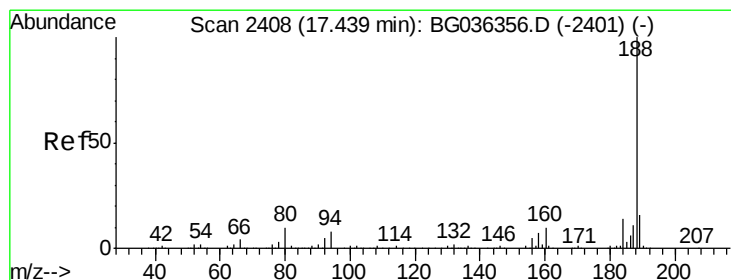
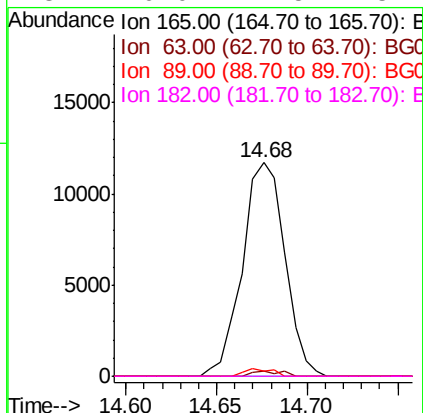
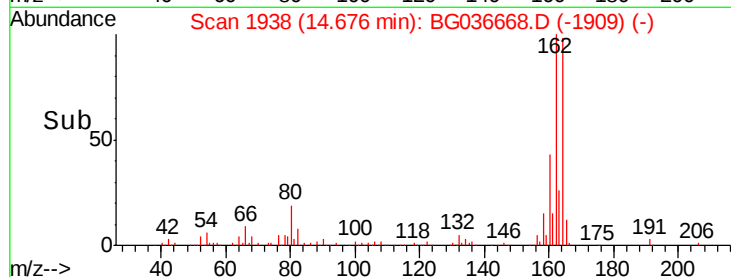
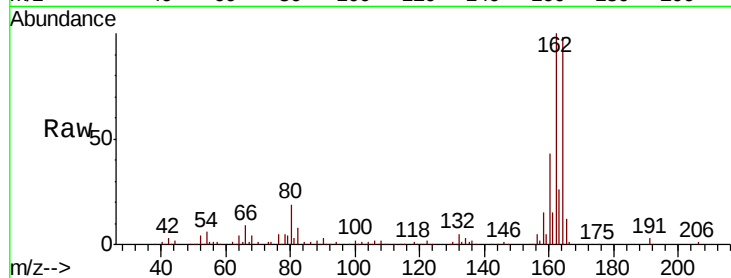




#56
 2,4-Dinitrotoluene
 Concen: 5.809 ng
 RT: 14.68 min Scan# 1938
 Delta R.T. -0.36 min
 Lab File: BG036668.D
 Acq: 11 Sep 2018 22:43

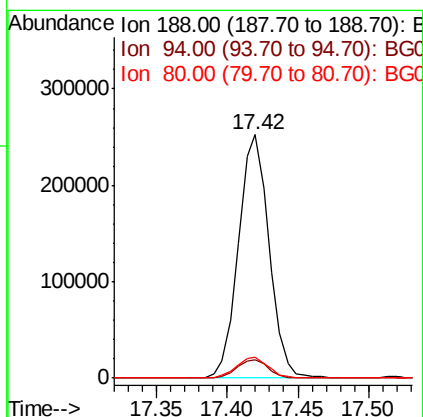
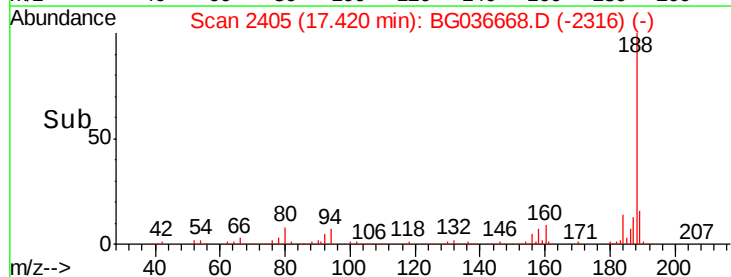
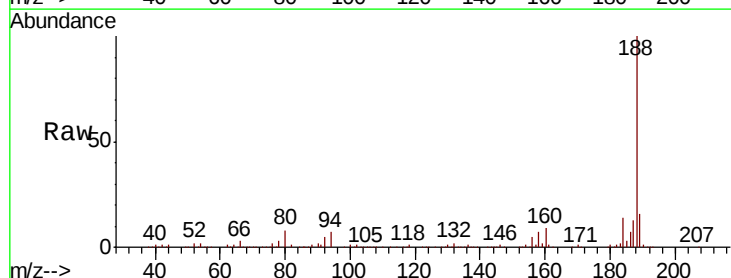
Instrument :
 BNA_G
 ClientSampleId :

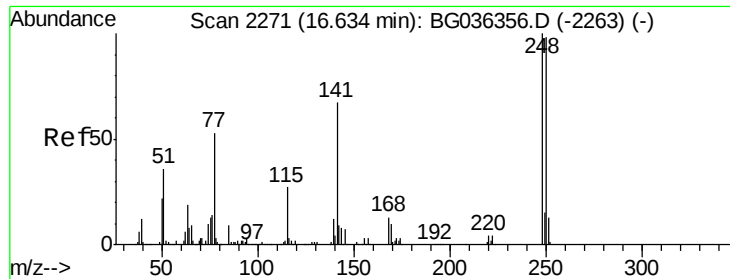
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	40.1	60.1#
89	2.3	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.01 min
 Lab File: BG036668.D
 Acq: 11 Sep 2018 22:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.7	10.1
80	8.3	8.1	12.1

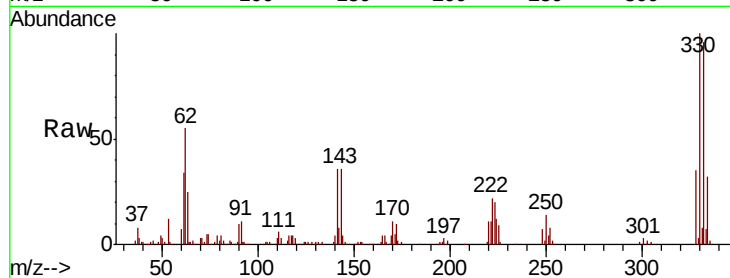




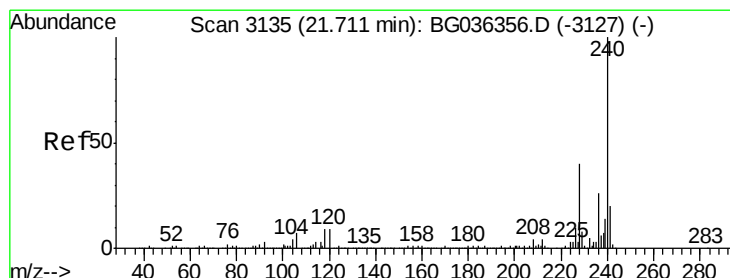
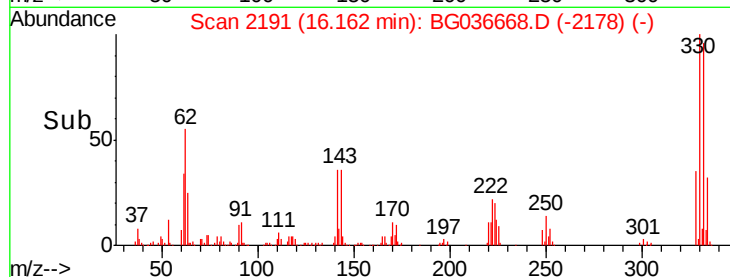
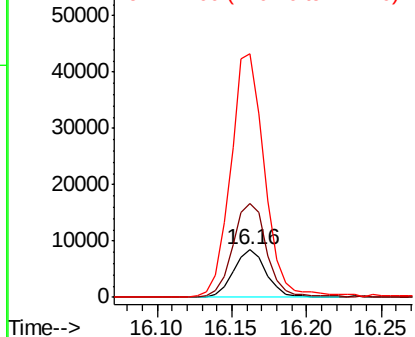
#66
4-Bromophenyl-phenylether
Concen: 2.909 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.46 min
Lab File: BG036668.D
Acq: 11 Sep 2018 22:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 13060
Ion Ratio Lower Upper
248 100
250 198.9 78.1 117.1#
141 513.8 53.7 80.5#

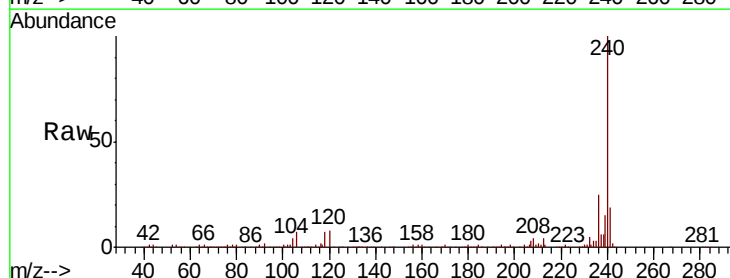


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

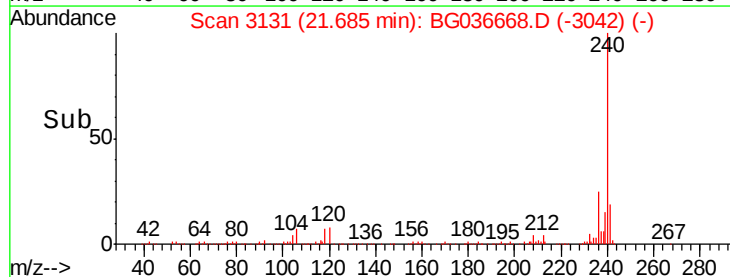
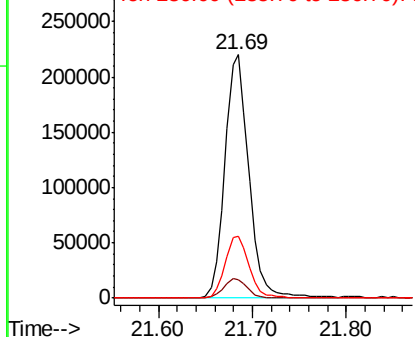


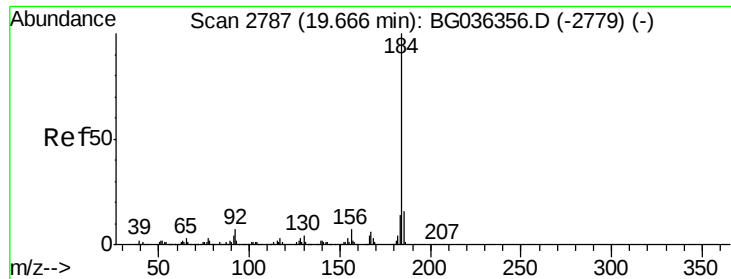
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG036668.D
Acq: 11 Sep 2018 22:43

Tgt Ion:240 Resp: 390831
Ion Ratio Lower Upper
240 100
120 7.7 6.9 10.3
236 25.5 21.2 31.8



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: 2.147 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG036668.D

Acq: 11 Sep 2018 22:43

Instrument :

BNA_G

ClientSampleId :

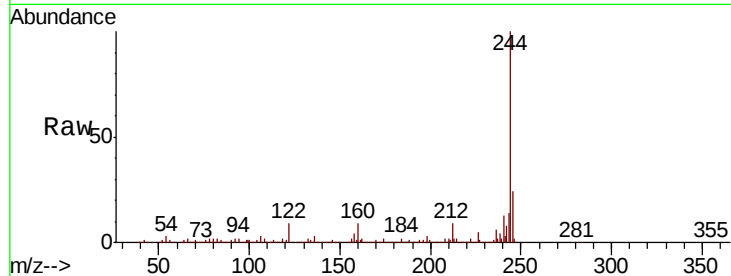
Tot Ion:184 Resp: 26774

Ion Ratio Lower Upper

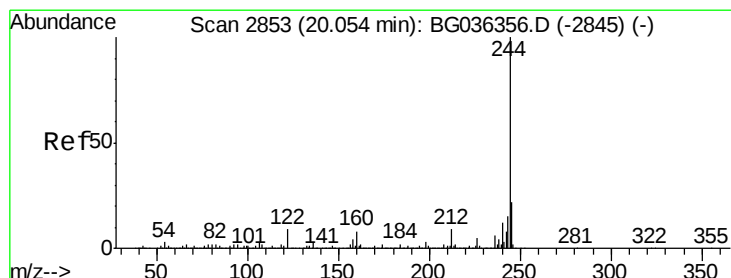
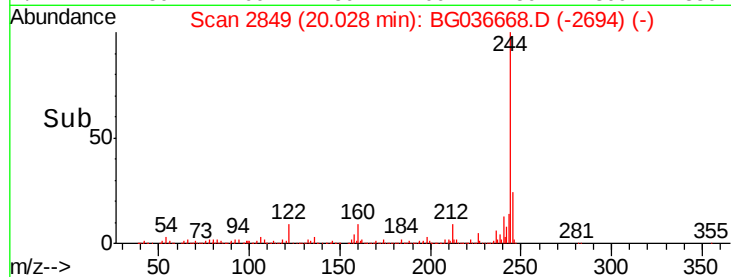
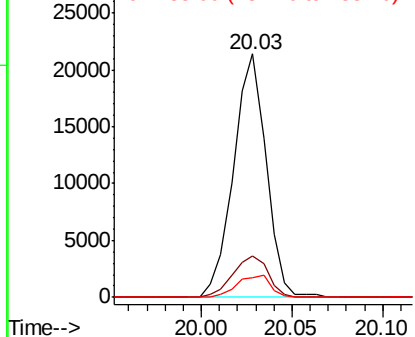
184 100

185 17.1 12.6 18.8

183 8.3 10.9 16.3#



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: 93.003 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036668.D

Acq: 11 Sep 2018 22:43

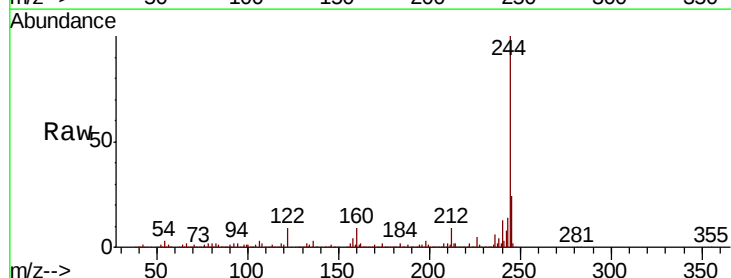
Tgt Ion:244 Resp: 1555115

Ion Ratio Lower Upper

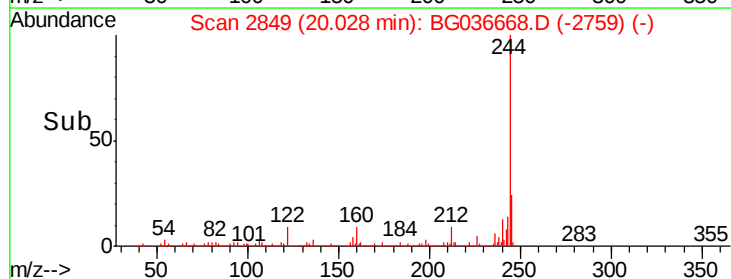
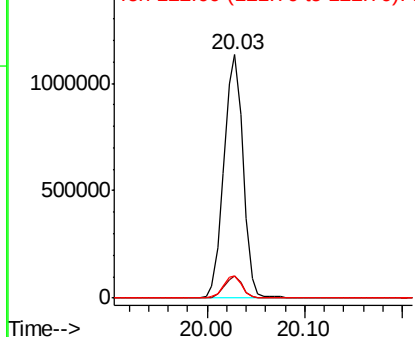
244 100

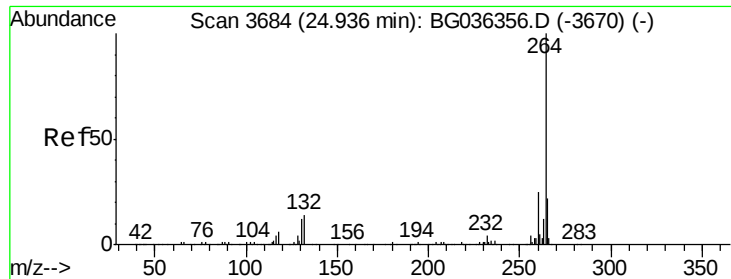
212 9.2 7.0 10.6

122 9.3 7.1 10.7



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: 24.89 min Scan# 3677
Delta R.T. -0.01 min
Lab File: BG036668.D
Acq: 11 Sep 2018 22:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.6	29.4
265	19.9	17.4	26.0

