

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091118\
 Data File : BG036667.D
 Acq On : 11 Sep 2018 22:04
 Operator : JU/SJ
 Sample : J4841-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 12 04:04:53 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

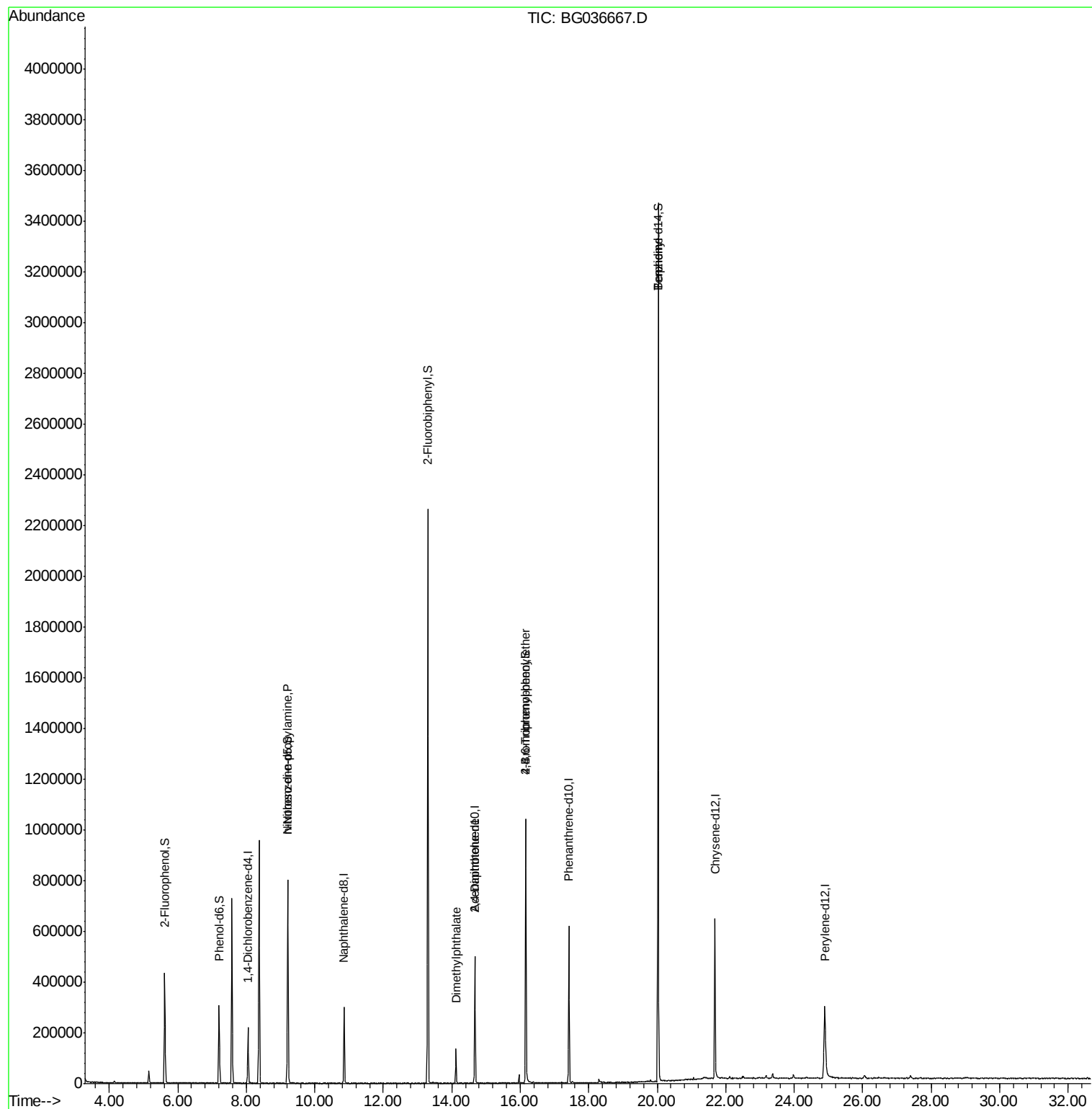
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	61052	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	260178	20.00	ng	-0.01
38) Acenaphthene-d10	14.68	164	169556	20.00	ng	-0.01
63) Phenanthrene-d10	17.42	188	401284	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	406957	20.00	ng	-0.01
86) Perylene-d12	24.89	264	379008	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	184265	47.88	ng	0.00
7) Phenol-d6	7.21	99	179056	32.49	ng	-0.01
23) Nitrobenzene-d5	9.21	82	498552	103.97	ng	-0.01
41) 2,4,6-Tribromophenol	16.16	330	198140	97.93	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	1155315	97.29	ng	-0.01
78) Terphenyl-d14	20.03	244	1638623	94.11	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	68899	16.730	ng	# 70
49) Dimethylphthalate	14.12	163	93104	6.725	ng	# 99
56) 2,4-Dinitrotoluene	14.68	165	21405	5.765	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	13760	2.929	ng	# 1
76) Benzidine	20.03	184	28337	2.182	ng	# 90

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

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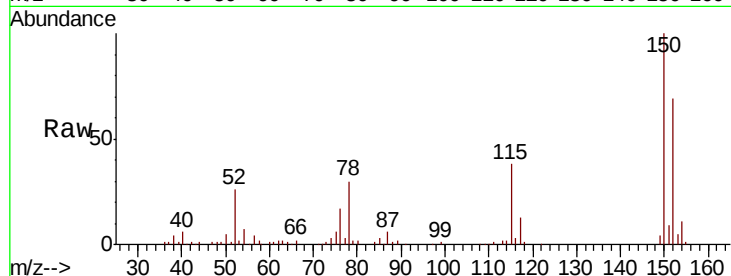




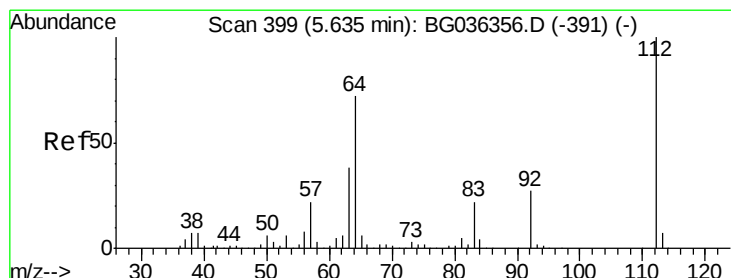
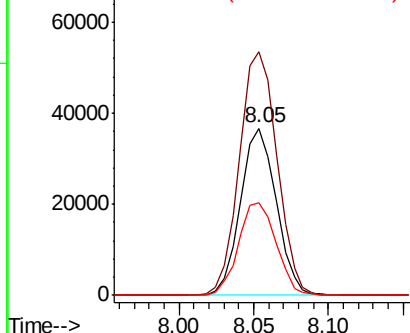
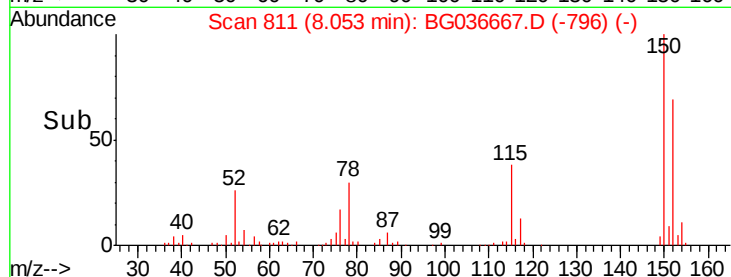
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BG036667.D
 Acq: 11 Sep 2018 22:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 61052
 Ion Ratio Lower Upper
 152 100
 150 145.8 119.5 179.3
 115 55.2 44.5 66.7

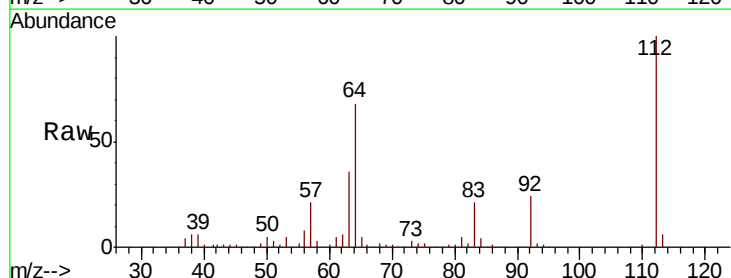


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

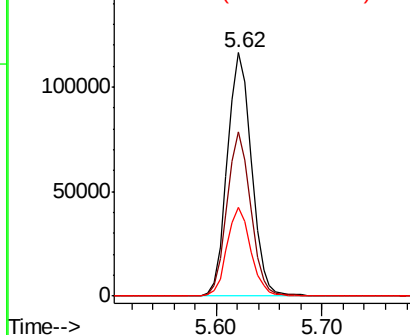
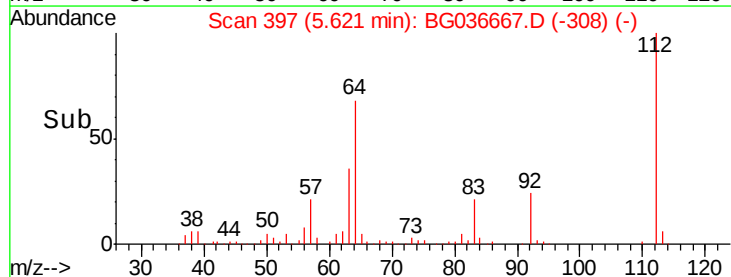


#5
 2-Fluorophenol
 Concen: 47.877 ng
 RT: 5.62 min Scan# 397
 Delta R.T. -0.00 min
 Lab File: BG036667.D
 Acq: 11 Sep 2018 22:04

Tgt Ion:112 Resp: 184265
 Ion Ratio Lower Upper
 112 100
 64 67.7 57.2 85.8
 63 36.2 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: 32.494 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036667.D

Acq: 11 Sep 2018 22:04

Instrument :

BNA_G

ClientSampled :

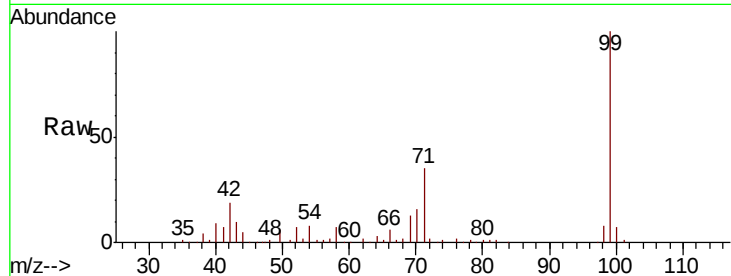
Tot Ion: 99 Resp: 179056

Ion Ratio Lower Upper

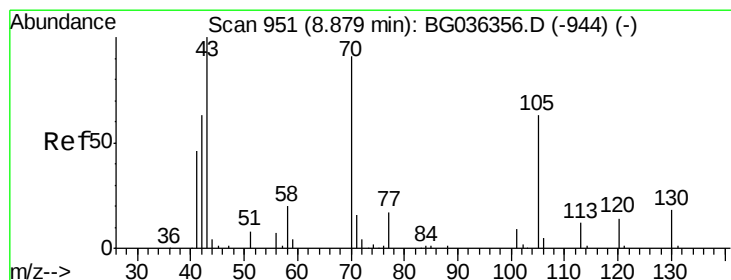
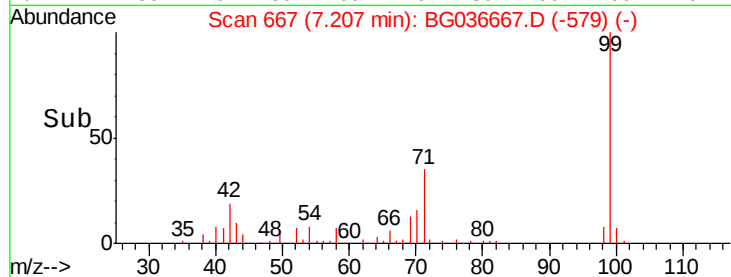
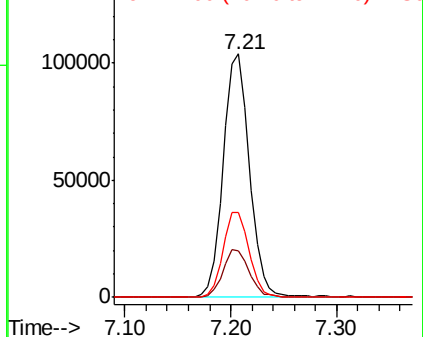
99 100

42 19.2 16.5 24.7

71 35.0 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: 16.730 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036667.D

Acq: 11 Sep 2018 22:04

Tgt Ion: 70 Resp: 68899

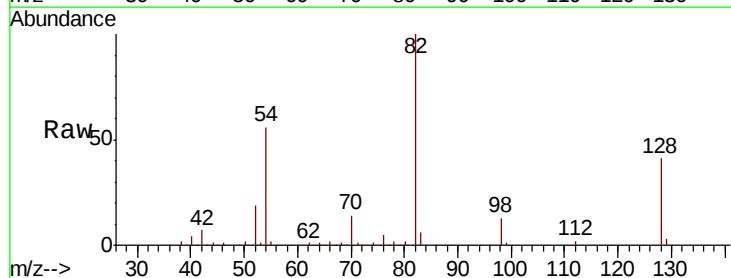
Ion Ratio Lower Upper

70 100

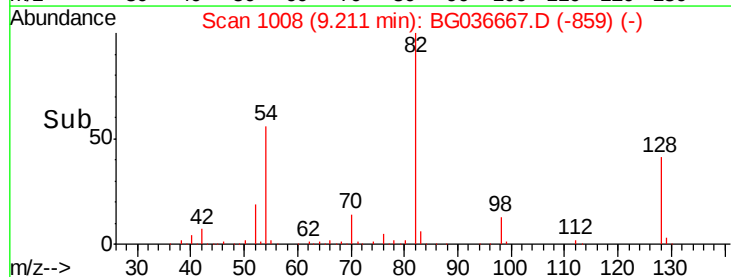
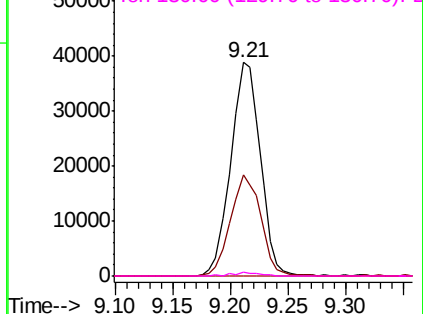
42 47.3 56.2 84.4#

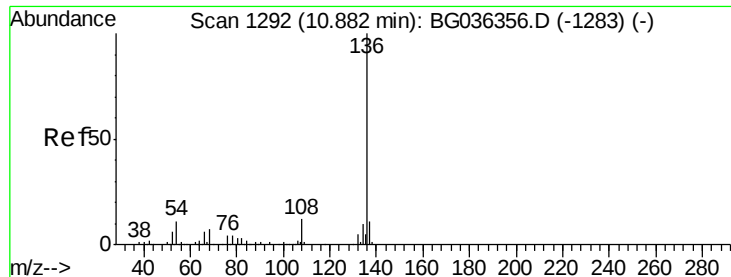
101 0.0 7.8 11.6#

130 1.9 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: BG036667.D

Acq: 11 Sep 2018 22:04

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 260178

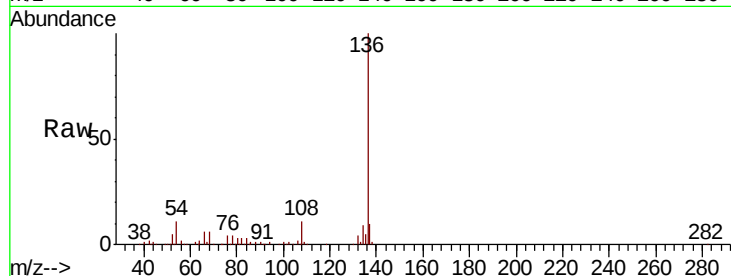
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 10.6 9.2 13.8

68 5.9 5.8 8.6

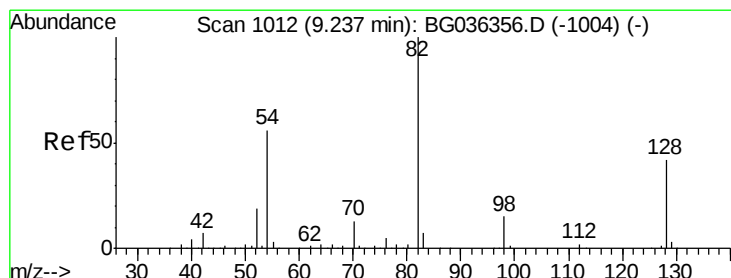
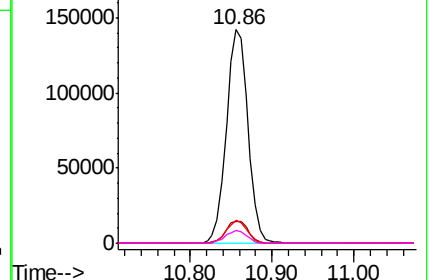
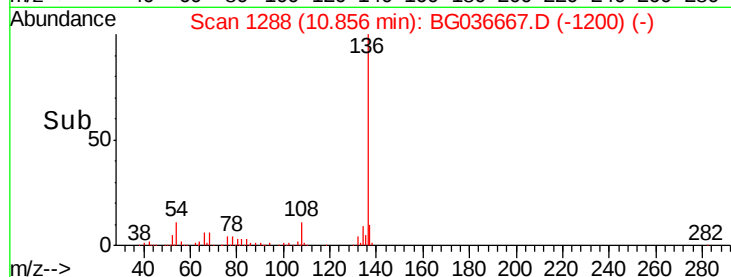


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.966 ng

RT: 9.21 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BG036667.D

Acq: 11 Sep 2018 22:04

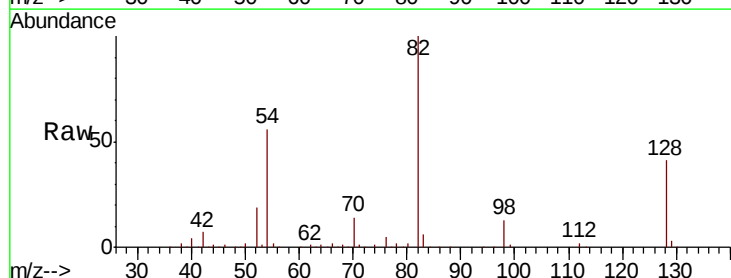
Tgt Ion: 82 Resp: 498552

Ion Ratio Lower Upper

82 100

128 41.2 33.3 49.9

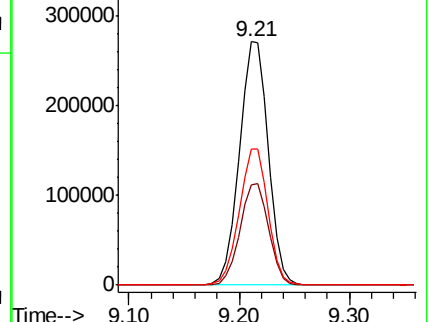
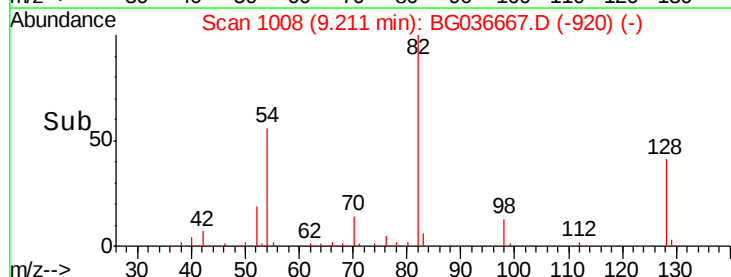
54 56.1 45.1 67.7

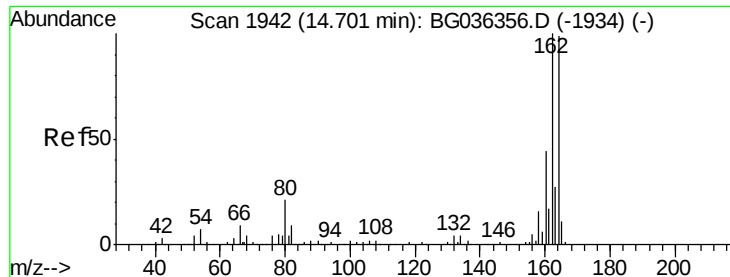


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

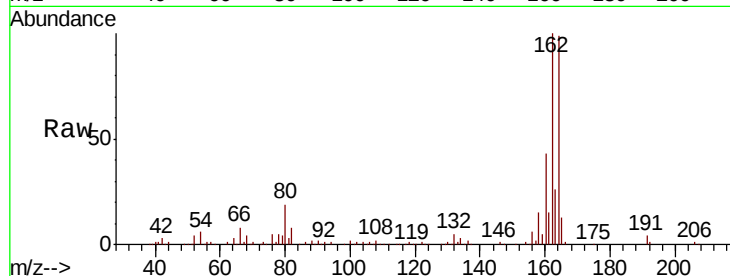




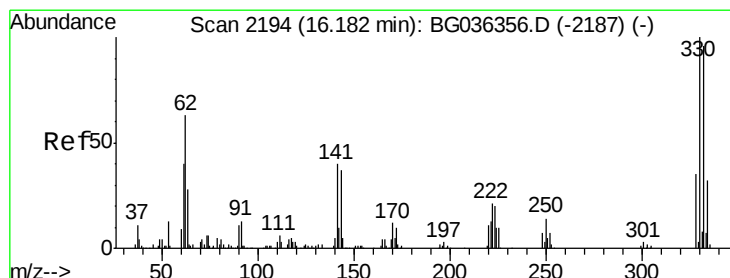
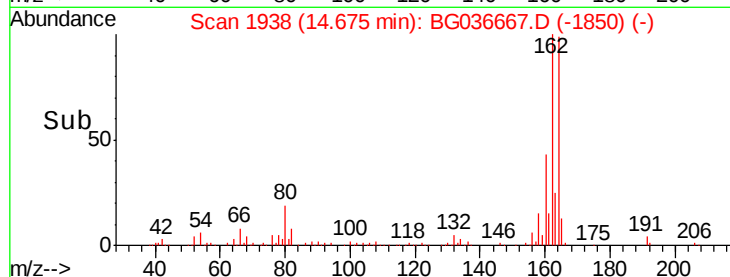
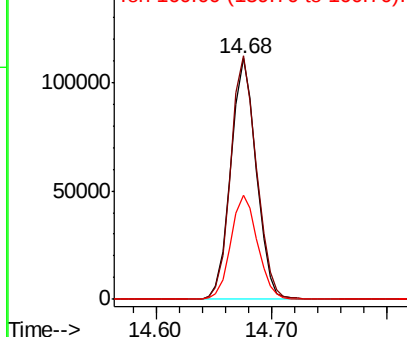
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1938
 Delta R.T. -0.01 min
 Lab File: BG036667.D
 Acq: 11 Sep 2018 22:04

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:164 Resp: 169556
 Ion Ratio Lower Upper
 164 100
 162 101.1 80.7 121.1
 160 43.5 35.3 52.9

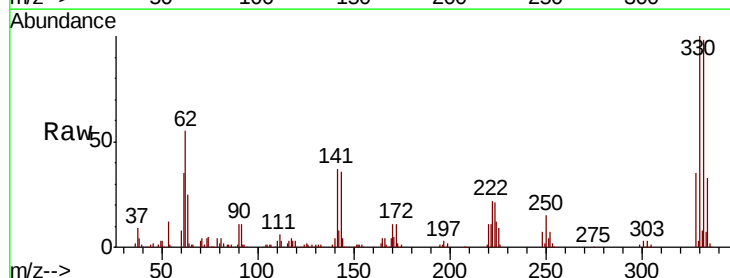


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

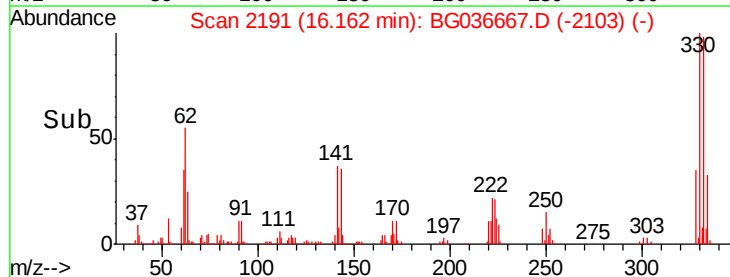
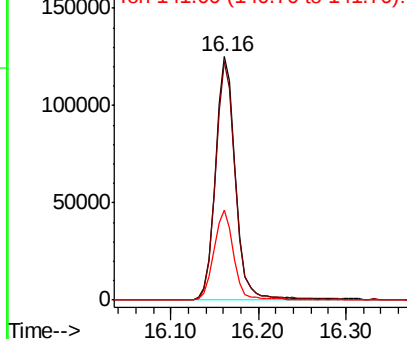


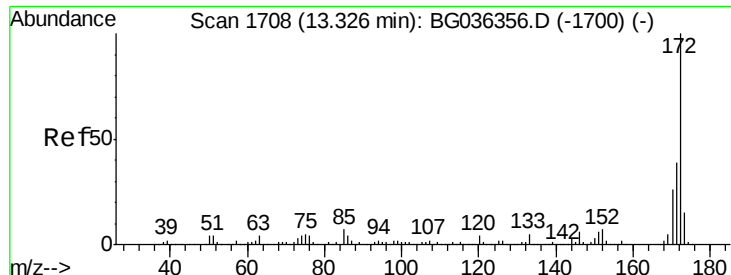
#41
 2,4,6-Tribromophenol
 Concen: 97.935 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BG036667.D
 Acq: 11 Sep 2018 22:04

Tgt Ion:330 Resp: 198140
 Ion Ratio Lower Upper
 330 100
 332 95.9 75.4 113.2
 141 36.6 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

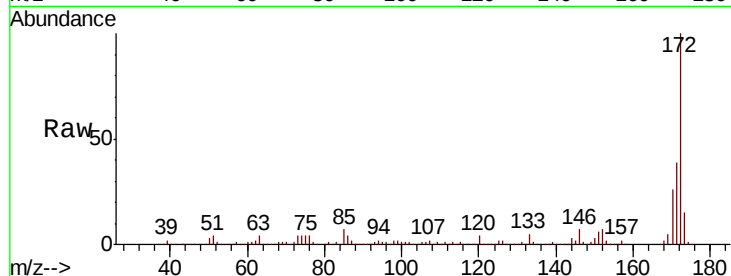




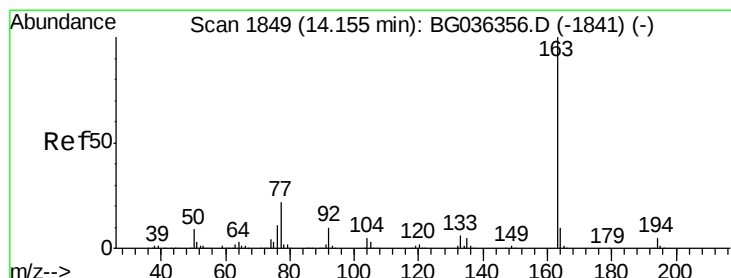
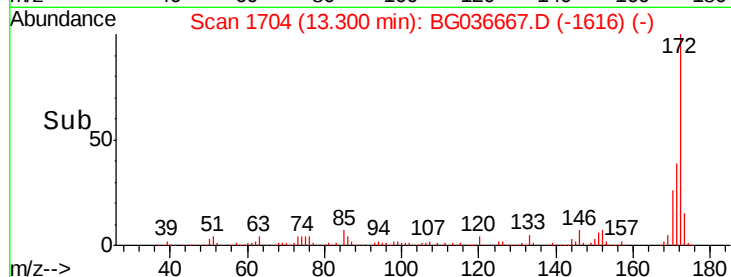
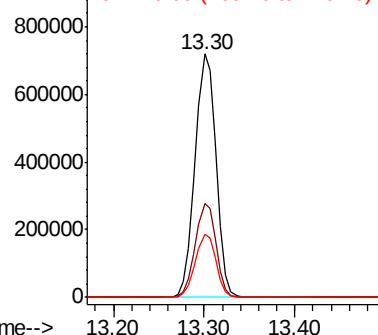
#44
2-Fluorobiphenyl
Concen: 97.288 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BG036667.D
Acq: 11 Sep 2018 22:04

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 1155315
Ion Ratio Lower Upper
172 100
171 38.5 31.3 46.9
170 26.0 21.0 31.6

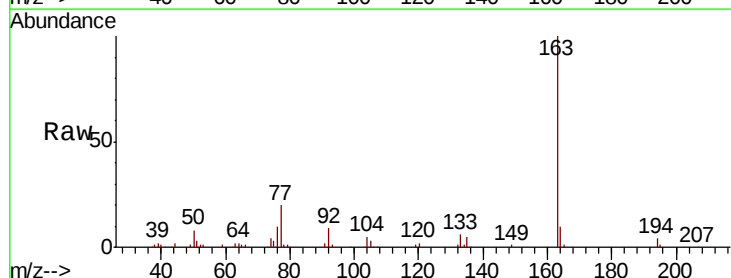


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

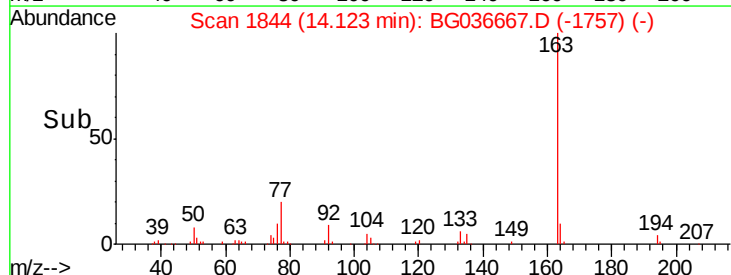
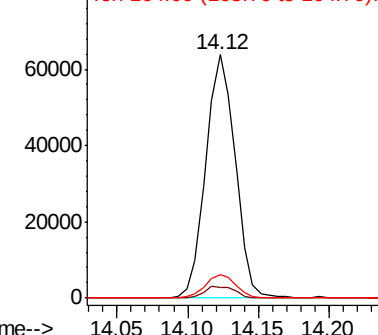


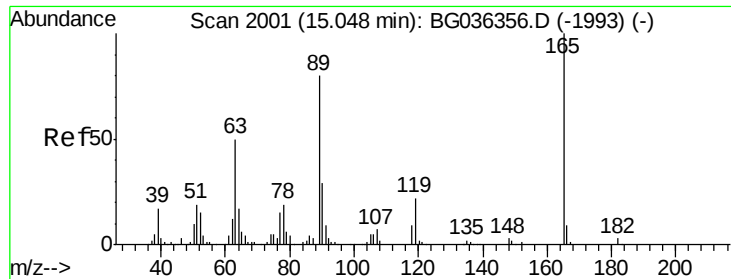
#49
Dimethylphthalate
Concen: 6.725 ng
RT: 14.12 min Scan# 1844
Delta R.T. -0.02 min
Lab File: BG036667.D
Acq: 11 Sep 2018 22:04

Tgt Ion:163 Resp: 93104
Ion Ratio Lower Upper
163 100
194 4.4 4.0 6.0
164 9.9 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

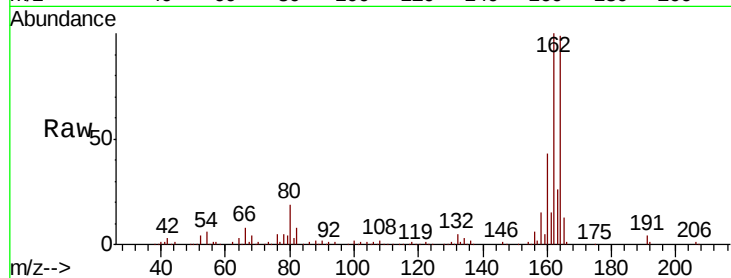




#56
 2,4-Dinitrotoluene
 Concen: 5.765 ng
 RT: 14.68 min Scan# 1938
 Delta R.T. -0.36 min
 Lab File: BG036667.D
 Acq: 11 Sep 2018 22:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	3.0	63.7	95.5#
182	0.0	2.5	3.7#

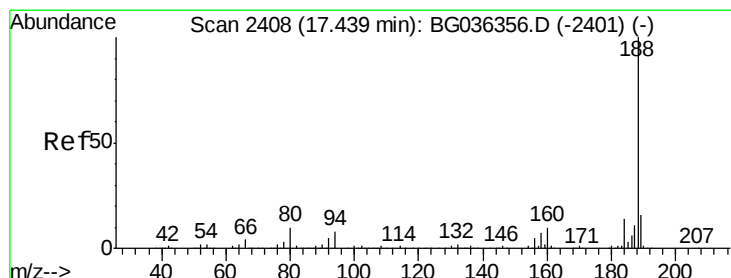
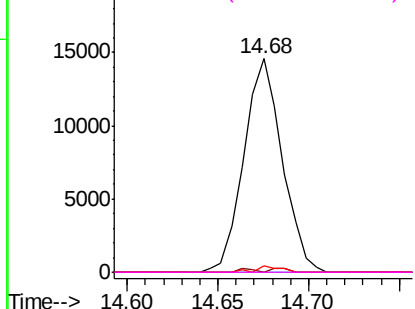
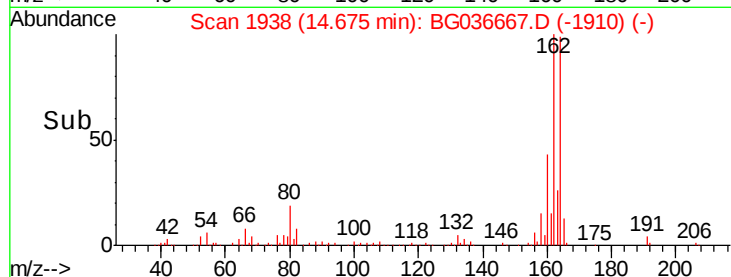


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

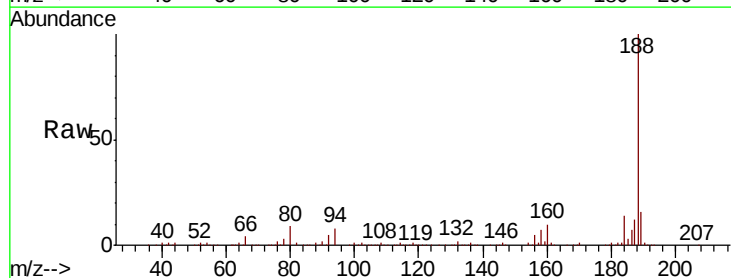
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.01 min
 Lab File: BG036667.D
 Acq: 11 Sep 2018 22:04

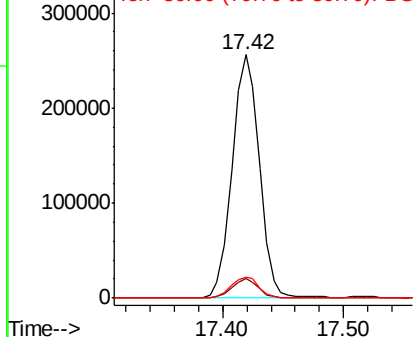
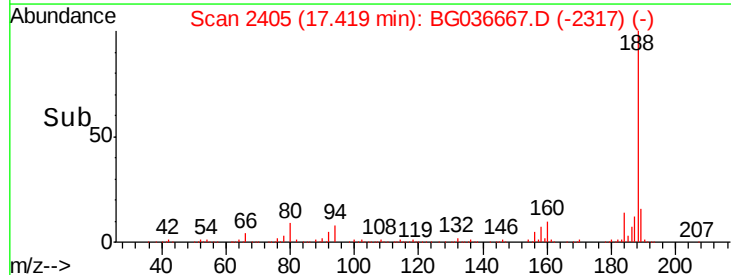
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.7	10.1
80	8.6	8.1	12.1

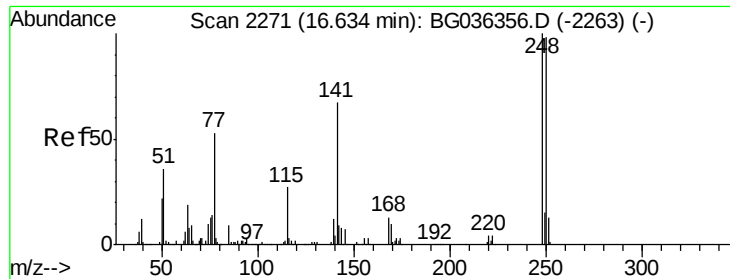


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

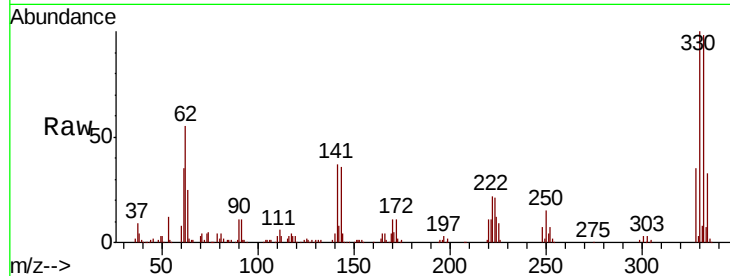




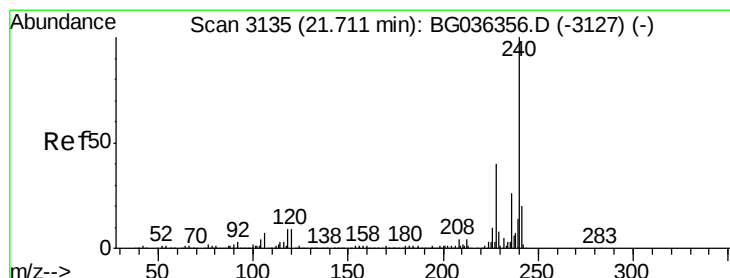
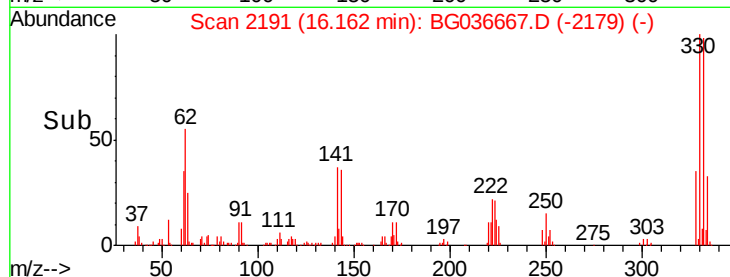
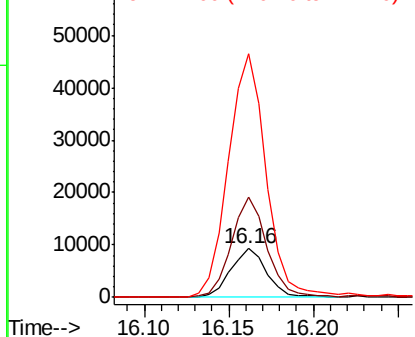
#66
4-Bromophenyl-phenylether
Concen: 2.929 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.46 min
Lab File: BG036667.D
Acq: 11 Sep 2018 22:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 13760
Ion Ratio Lower Upper
248 100
250 207.3 78.1 117.1#
141 500.9 53.7 80.5#

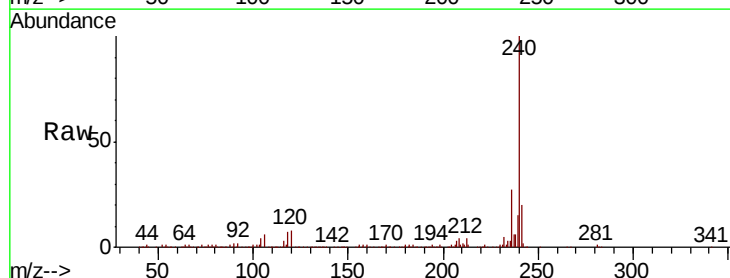


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

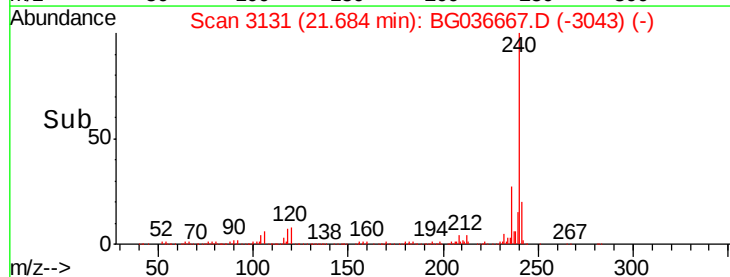
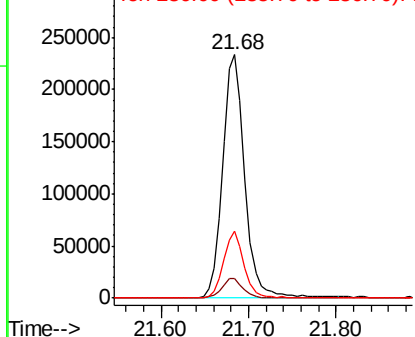


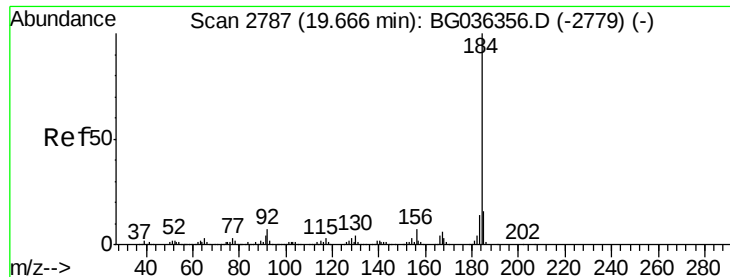
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG036667.D
Acq: 11 Sep 2018 22:04

Tgt Ion:240 Resp: 406957
Ion Ratio Lower Upper
240 100
120 8.1 6.9 10.3
236 27.5 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: 2.182 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG036667.D

Acq: 11 Sep 2018 22:04

Instrument :

BNA_G

ClientSampled :

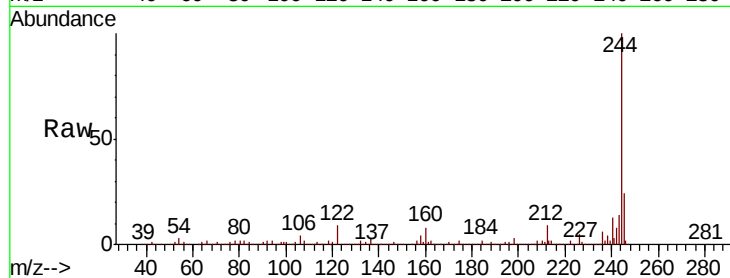
Tot Ion:184 Resp: 28337

Ion Ratio Lower Upper

184 100

185 18.1 12.6 18.8

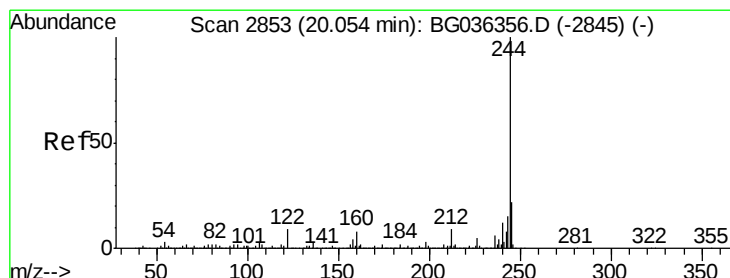
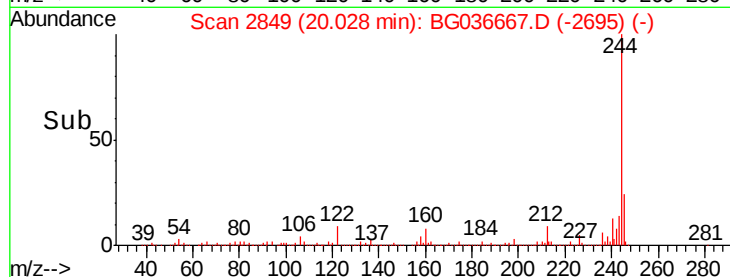
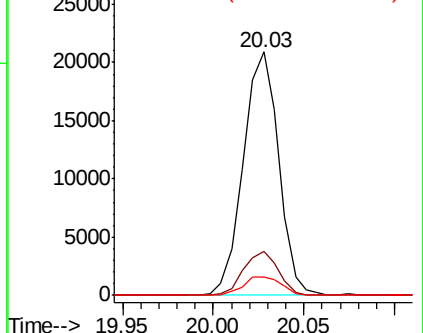
183 7.8 10.9 16.3#



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: 94.114 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036667.D

Acq: 11 Sep 2018 22:04

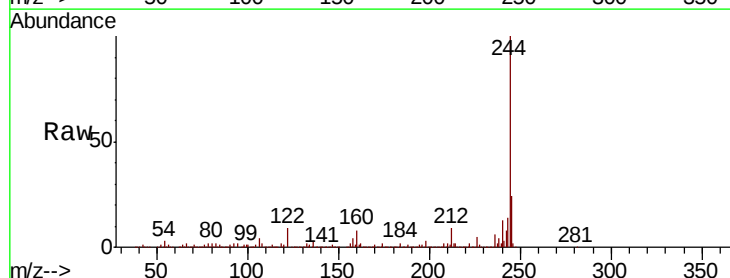
Tgt Ion:244 Resp: 1638623

Ion Ratio Lower Upper

244 100

212 9.5 7.0 10.6

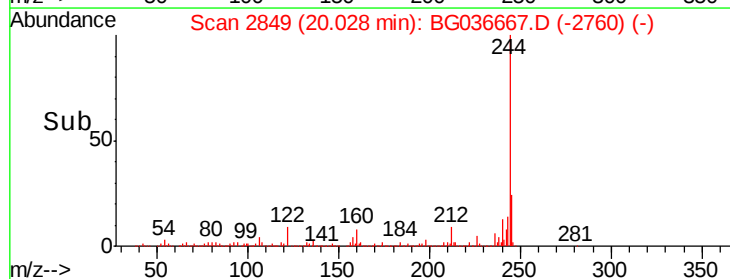
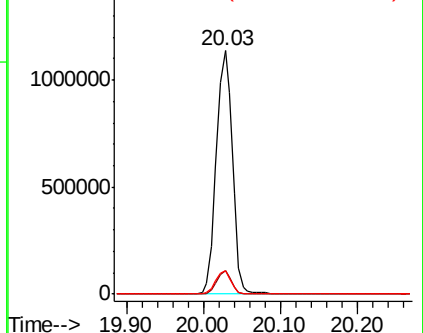
122 9.4 7.1 10.7

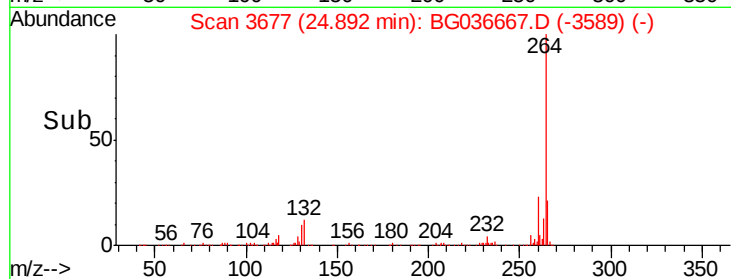
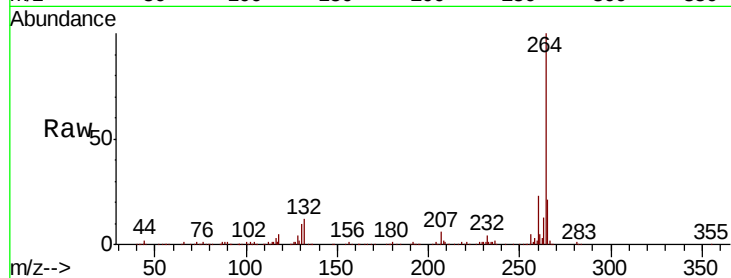
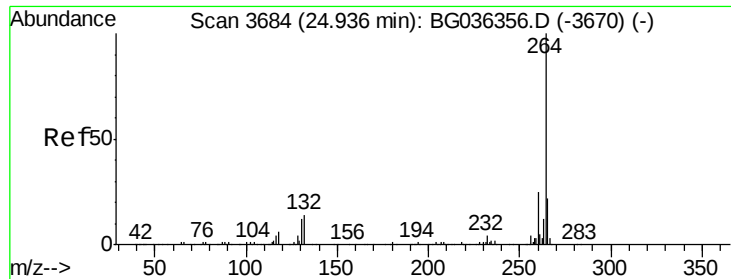


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG036667.D

Acq: 11 Sep 2018 22:04

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 264 Resp: 379008

Ion Ratio Lower Upper

264 100

260 22.5 19.6 29.4

265 21.3 17.4 26.0

