

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073118\
 Data File : BG036023.D
 Acq On : 1 Aug 2018 5:11
 Operator : JU/SJ
 Sample : J3823-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 01 07:10:48 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

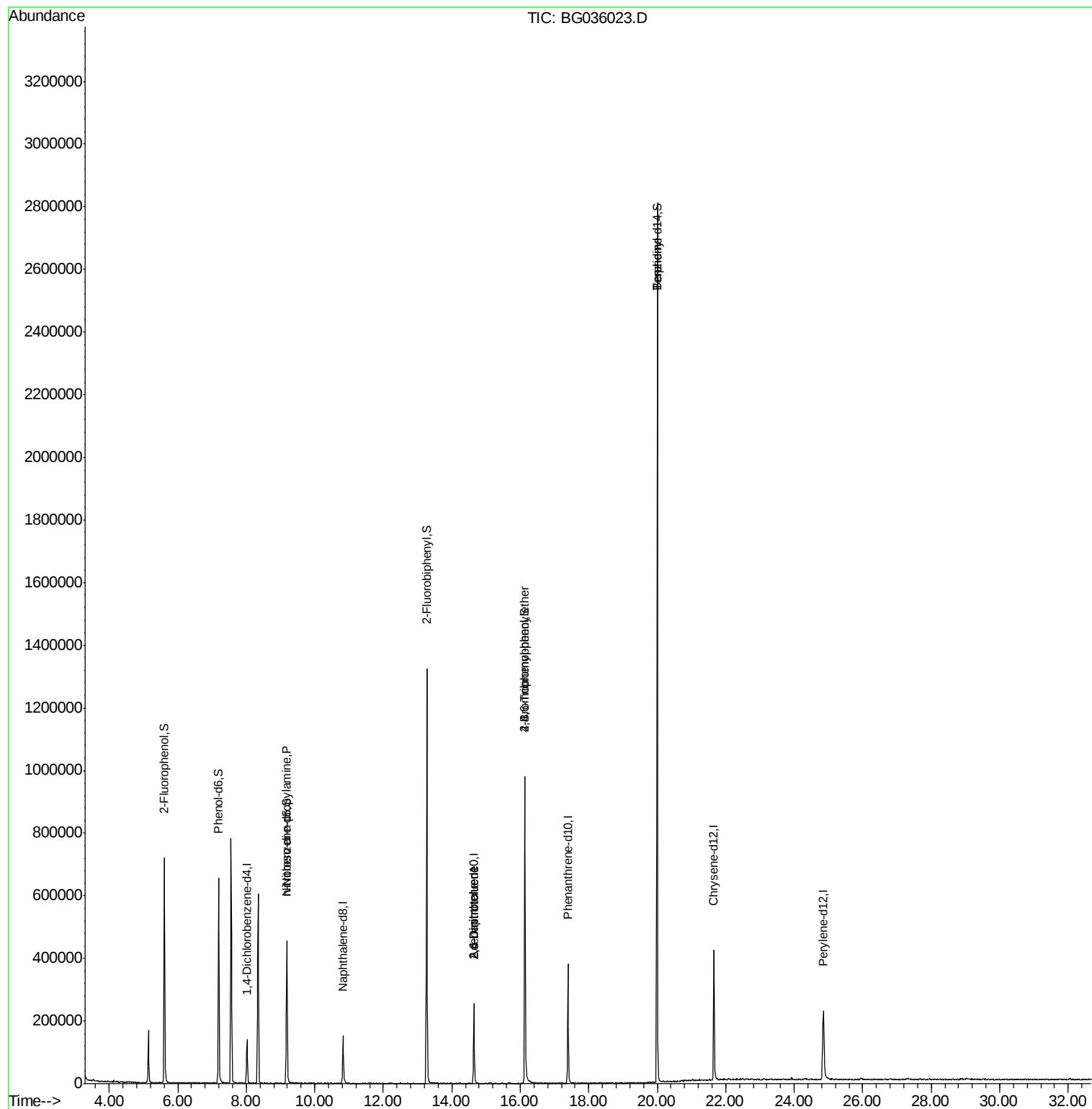
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	41200	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	141528	20.00	ng	0.00
38) Acenaphthene-d10	14.64	164	98193	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	271887	20.00	ng	0.00
75) Chrysene-d12	21.65	240	300118	20.00	ng	0.00
86) Perylene-d12	24.85	264	278402	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	315818	127.27	ng	0.00
7) Phenol-d6	7.19	99	401310	108.39	ng	0.00
23) Nitrobenzene-d5	9.19	82	324188	95.69	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	205808	159.02	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	716235	97.72	ng	0.00
78) Terphenyl-d14	20.00	244	1377195	101.15	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	44559	14.292	ng	# 68
50) 2,6-Dinitrotoluene	14.64	165	13206	7.538	ng	# 18
56) 2,4-Dinitrotoluene	14.64	165	13206	5.254	ng	# 16
66) 4-Bromophenyl-phenylether	16.14	248	16640	5.275	ng	# 1
76) Benzidine	20.00	184	23698	3.003	ng	# 85

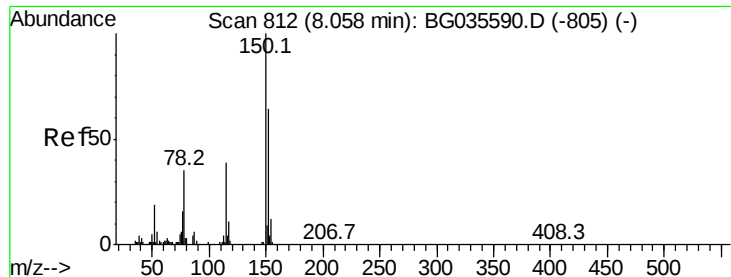
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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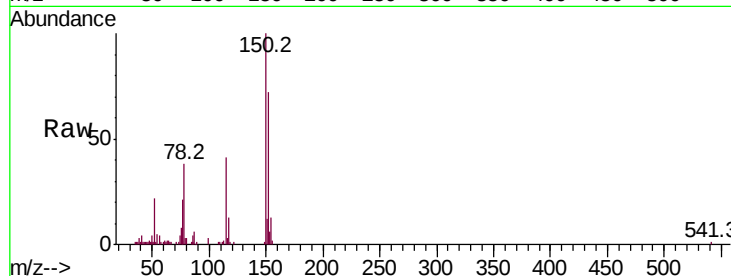


#1

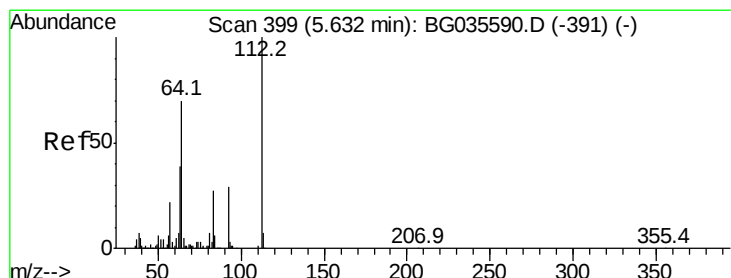
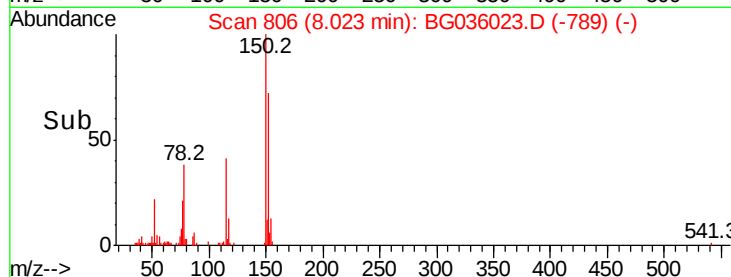
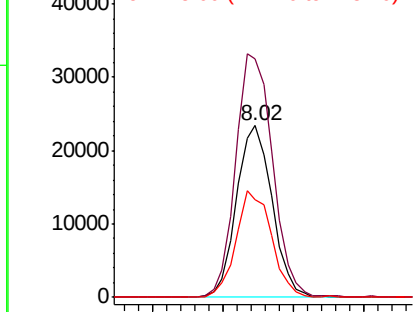
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG036023.D
Acq: 1 Aug 2018 5:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 41200
Ion Ratio Lower Upper
152 100
150 138.8 126.6 189.8
115 57.3 53.0 79.4



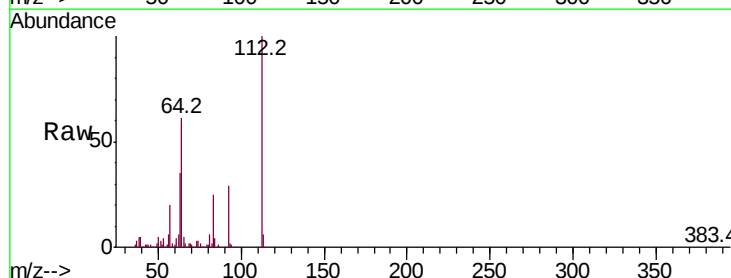
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



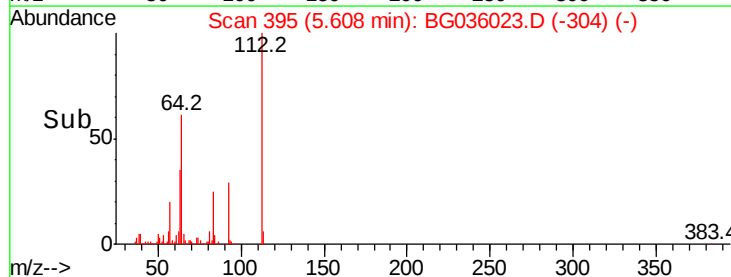
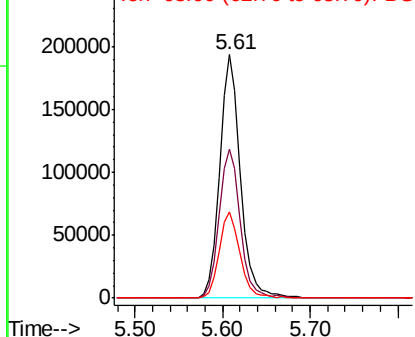
#5

2-Fluorophenol
Concen: 127.265 ng
RT: 5.61 min Scan# 395
Delta R.T. 0.00 min
Lab File: BG036023.D
Acq: 1 Aug 2018 5:11

Tgt Ion:112 Resp: 315818
Ion Ratio Lower Upper
112 100
64 60.9 56.3 84.5
63 35.5 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: 108.389 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG036023.D

Acq: 1 Aug 2018 5:11

Instrument :

BNA_G

ClientSampleId :

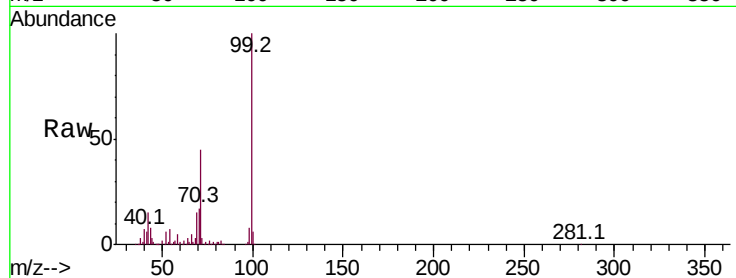
Tot Ion: 99 Resp: 401310

Ion Ratio Lower Upper

99 100

42 14.7 14.1 21.1

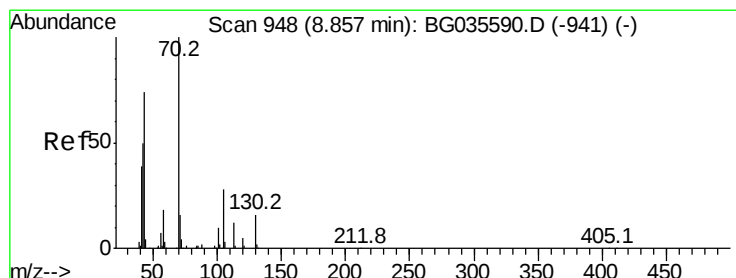
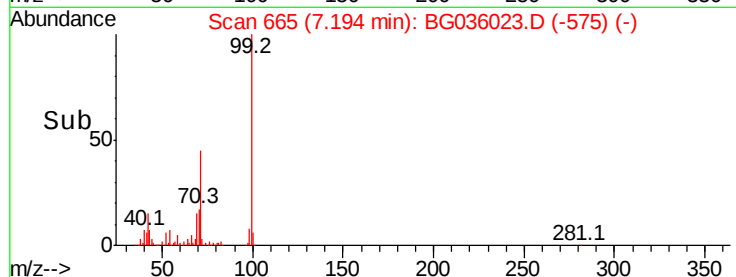
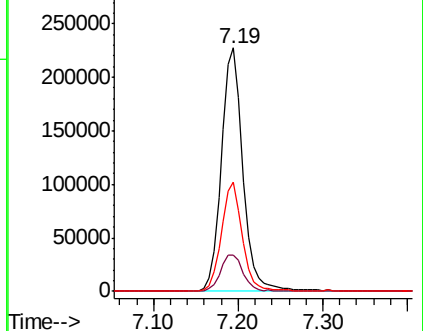
71 44.8 26.1 39.1#



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: 14.292 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG036023.D

Acq: 1 Aug 2018 5:11

Tgt Ion: 70 Resp: 44559

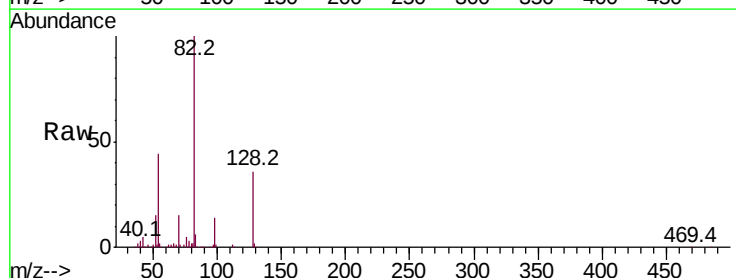
Ion Ratio Lower Upper

70 100

42 36.4 49.1 73.7#

101 0.0 8.5 12.7#

130 2.4 13.4 20.0#

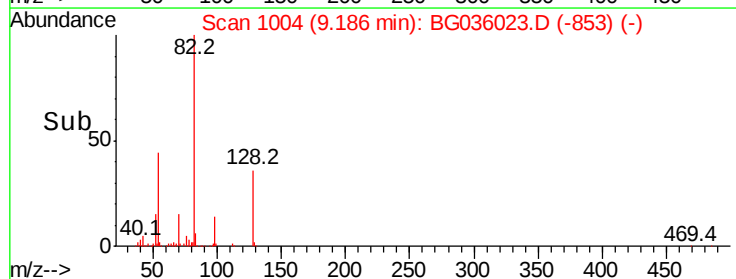
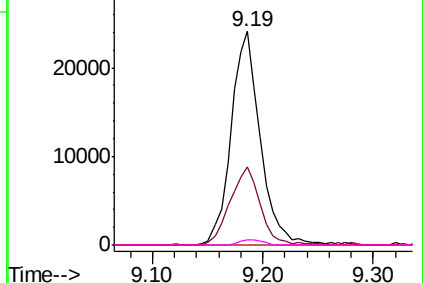


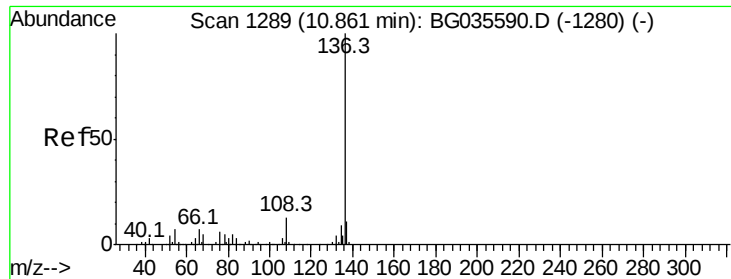
Abundance Ion 70.00 (69.70 to 70.70): BGC

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# 1283

Delta R.T. -0.01 min

Lab File: BG036023.D

Acq: 1 Aug 2018 5:11

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 141528

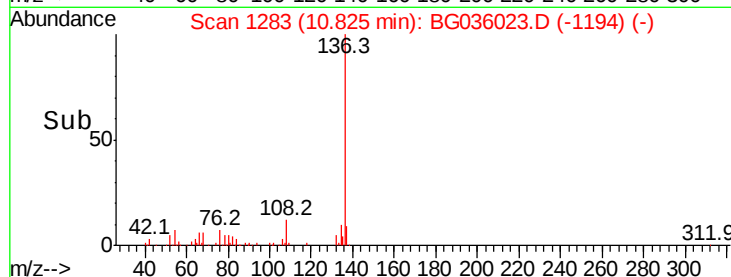
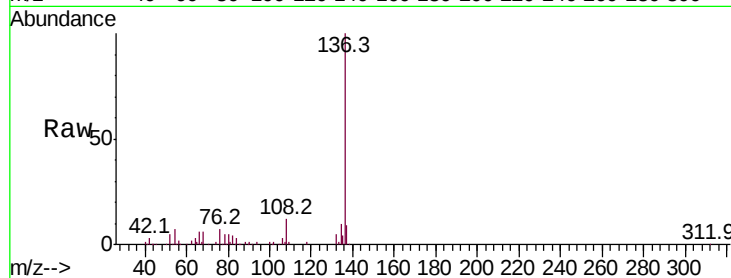
Ion Ratio Lower Upper

136 100

137 9.3 9.2 13.8

54 6.8 10.3 15.5#

68 5.9 4.5 6.7

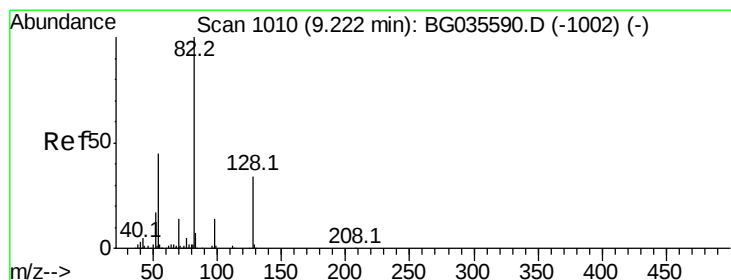
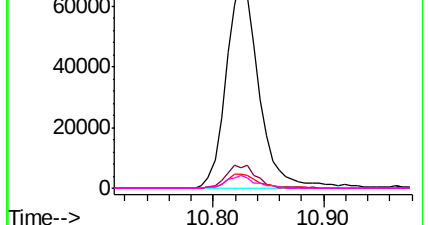


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#23

Nitrobenzene-d5

Concen: 95.690 ng

RT: 9.19 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BG036023.D

Acq: 1 Aug 2018 5:11

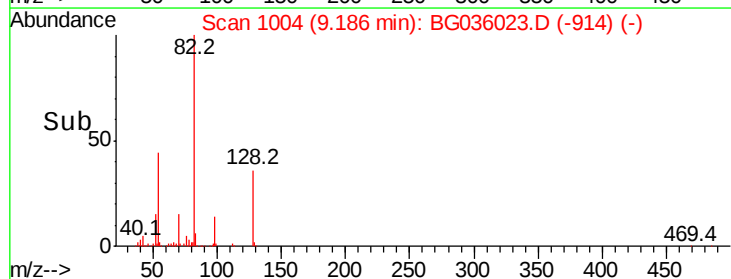
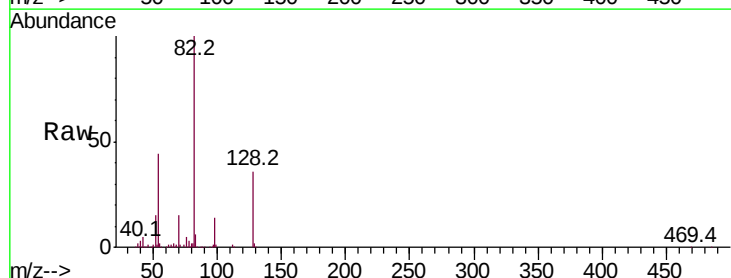
Tgt Ion: 82 Resp: 324188

Ion Ratio Lower Upper

82 100

128 35.8 29.7 44.5

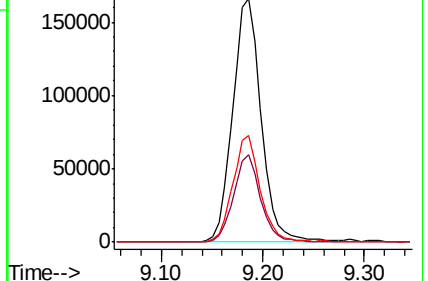
54 43.6 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BG

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG036023.D

Acq: 1 Aug 2018 5:11

Instrument :

BNA_G

ClientSampleId :

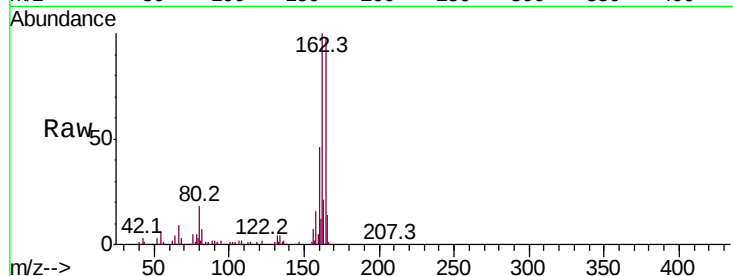
Tot Ion:164 Resp: 98193

Ion Ratio Lower Upper

164 100

162 101.8 78.8 118.2

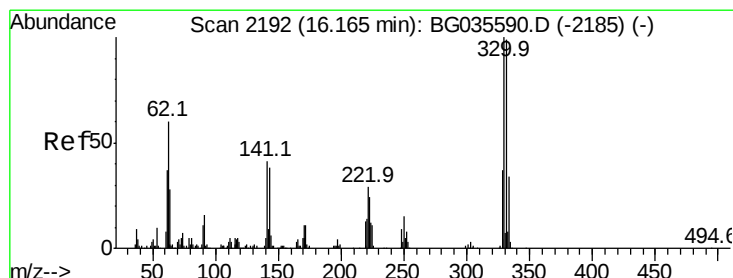
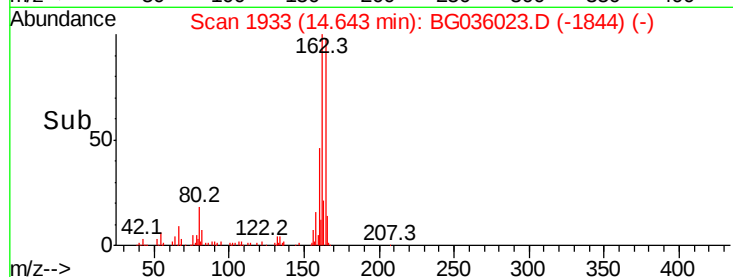
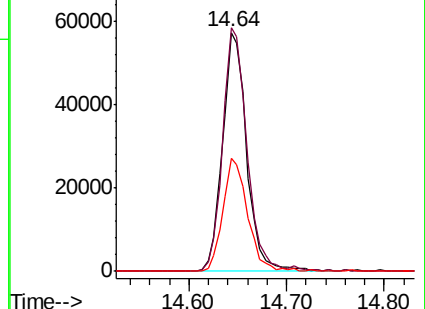
160 47.2 35.4 53.0



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: 159.018 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG036023.D

Acq: 1 Aug 2018 5:11

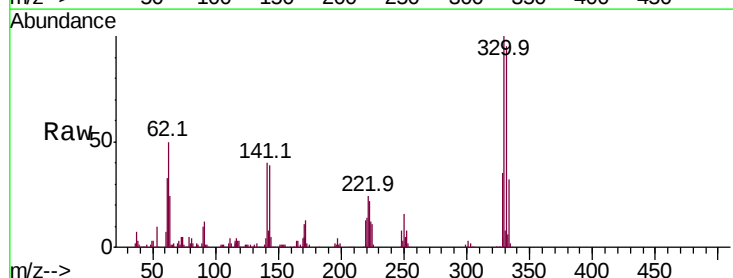
Tgt Ion:330 Resp: 205808

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

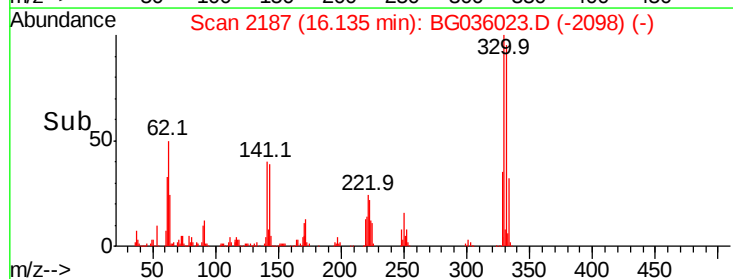
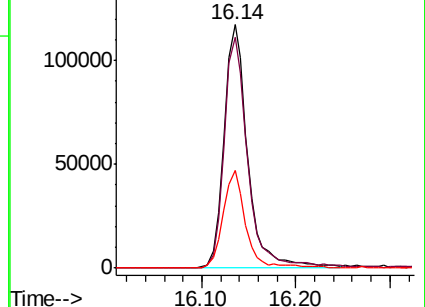
141 37.8 25.2 37.8

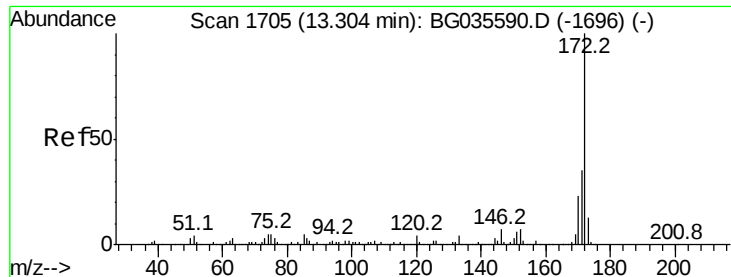


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

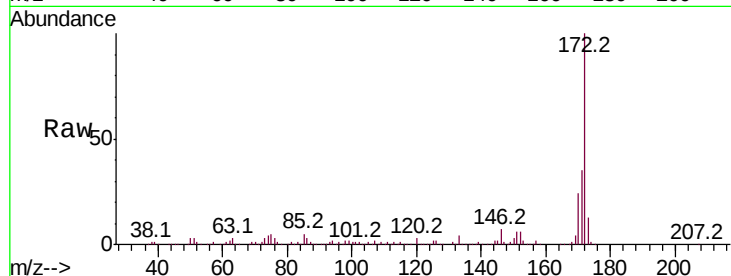




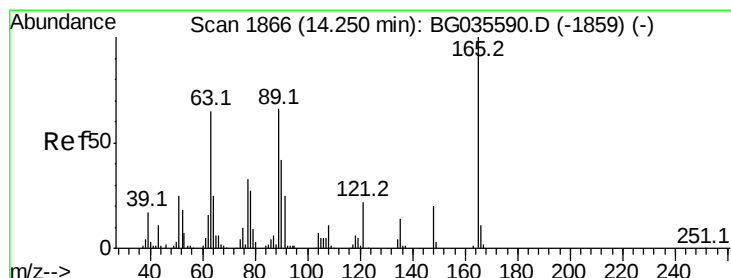
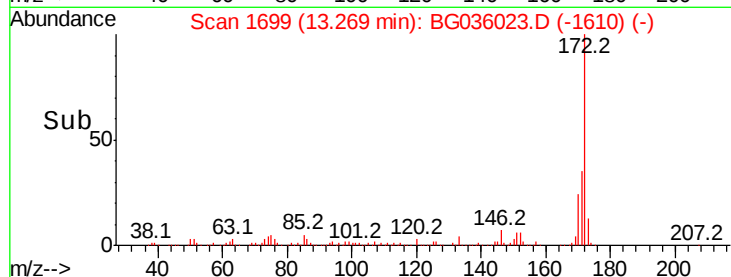
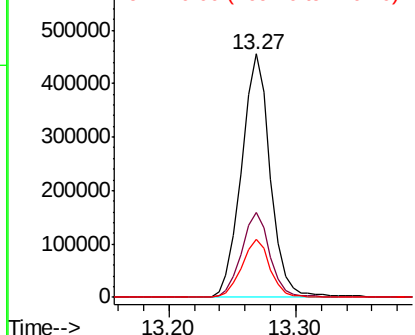
#44
 2-Fluorobiphenyl
 Concen: 97.723 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG036023.D
 Acq: 1 Aug 2018 5:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	30.0	45.0
170	23.8	19.5	29.3

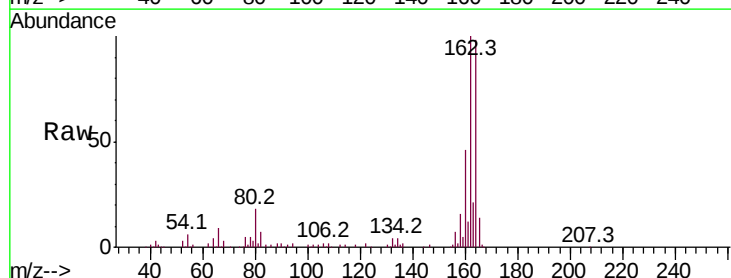


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

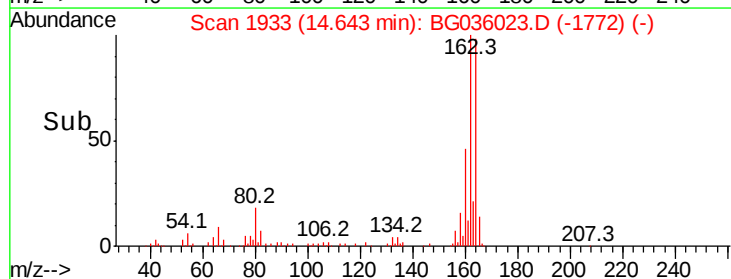
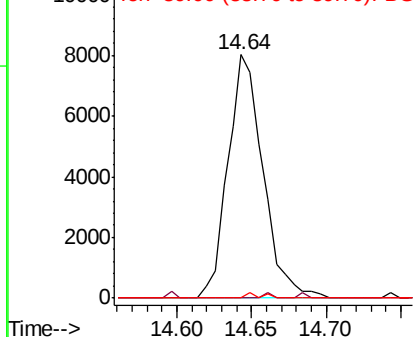


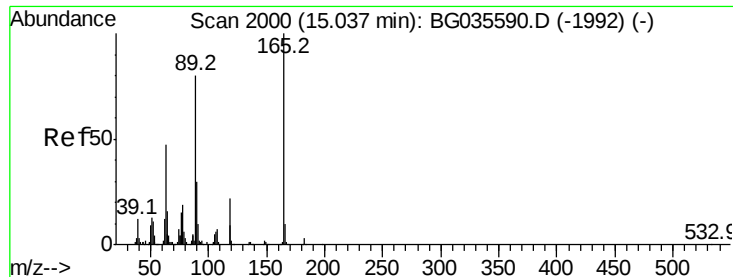
#50
 2,6-Dinitrotoluene
 Concen: 7.538 ng
 RT: 14.64 min Scan# 1933
 Delta R.T. 0.42 min
 Lab File: BG036023.D
 Acq: 1 Aug 2018 5:11

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



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

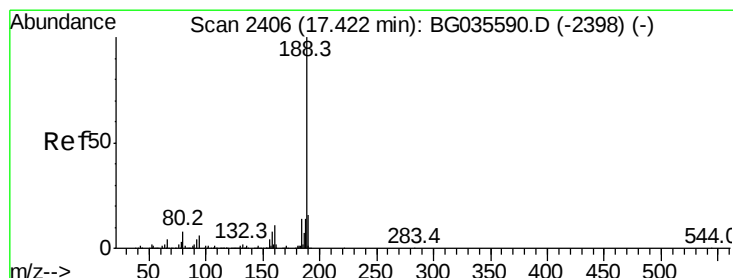
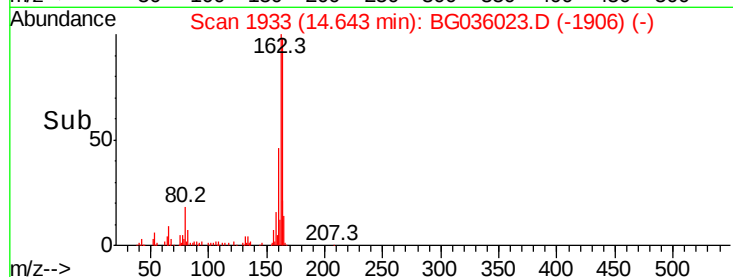
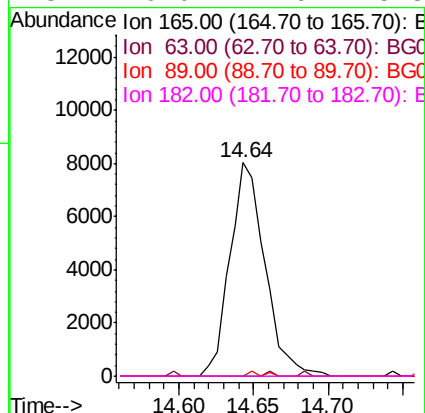
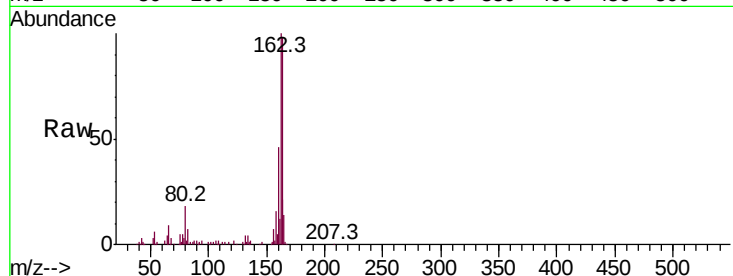




#56
 2,4-Dinitrotoluene
 Concen: 5.254 ng
 RT: 14.64 min Scan# 1933
 Delta R.T. -0.37 min
 Lab File: BG036023.D
 Acq: 1 Aug 2018 5:11

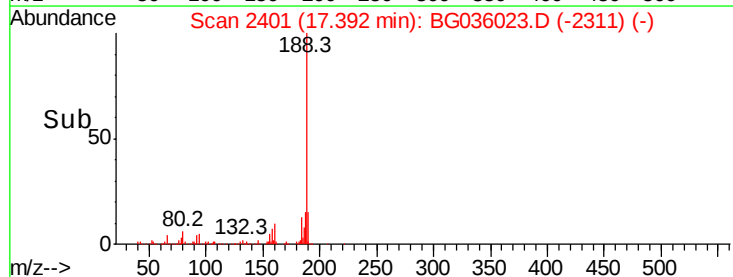
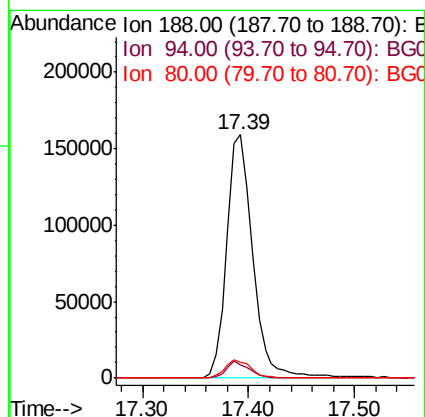
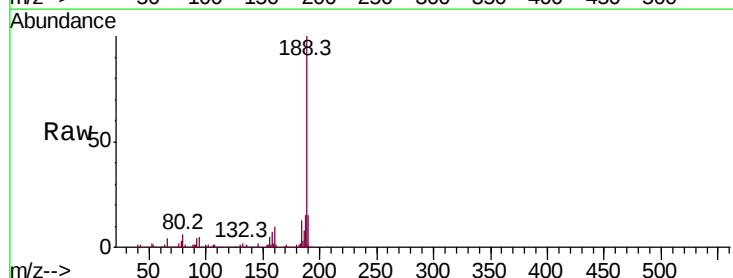
Instrument :
 BNA_G
 ClientSampleId :

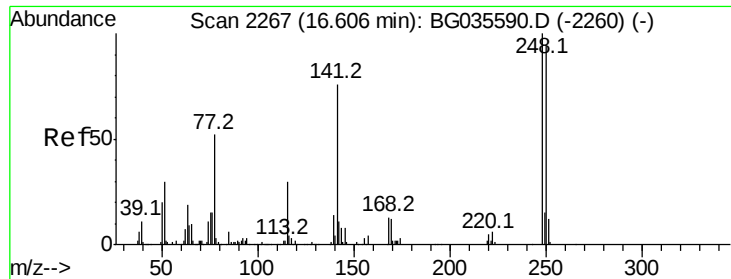
Tot Ion:165 Resp: 13206
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2401
 Delta R.T. -0.00 min
 Lab File: BG036023.D
 Acq: 1 Aug 2018 5:11

Tgt Ion:188 Resp: 271887
 Ion Ratio Lower Upper
 188 100
 94 5.4 6.9 10.3#
 80 6.2 7.7 11.5#

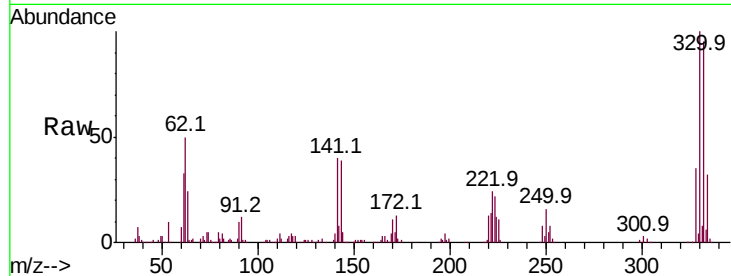




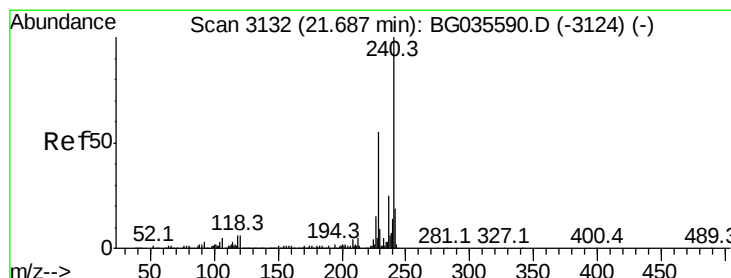
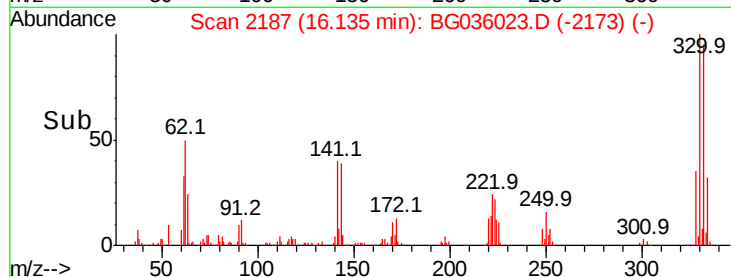
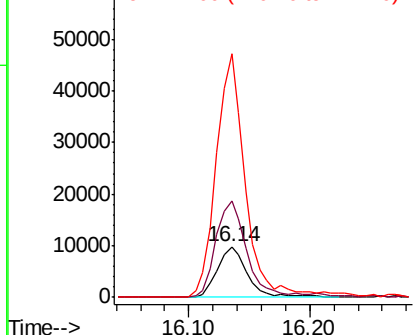
#66
 4-Bromophenyl-phenylether
 Concen: 5.275 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG036023.D
 Acq: 1 Aug 2018 5:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16640
 Ion Ratio Lower Upper
 248 100
 250 192.0 77.1 115.7#
 141 481.7 50.8 76.2#

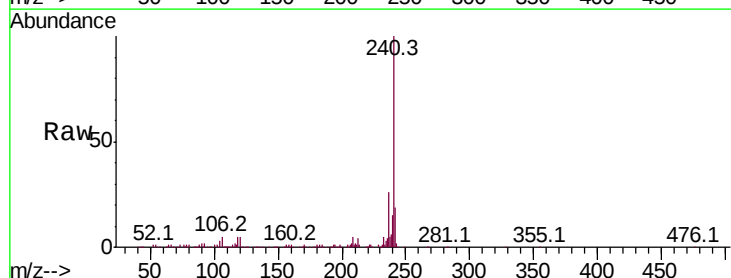


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

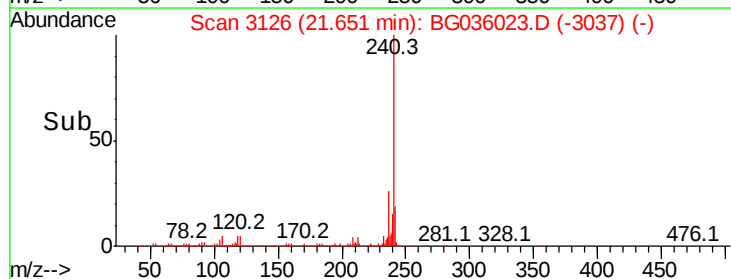
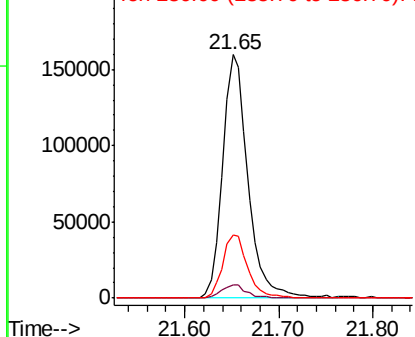


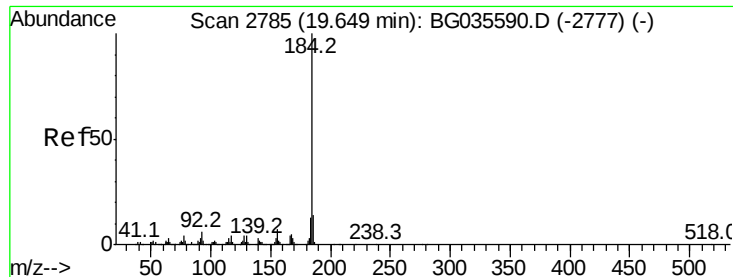
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3126
 Delta R.T. -0.01 min
 Lab File: BG036023.D
 Acq: 1 Aug 2018 5:11

Tgt Ion:240 Resp: 300118
 Ion Ratio Lower Upper
 240 100
 120 5.3 6.8 10.2#
 236 25.9 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: 3.003 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.37 min

Lab File: BG036023.D

Acq: 1 Aug 2018 5:11

Instrument :

BNA_G

ClientSampled :

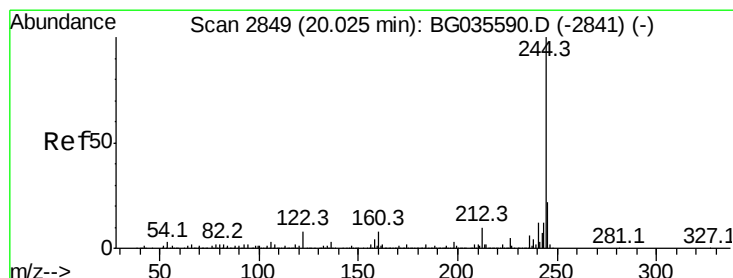
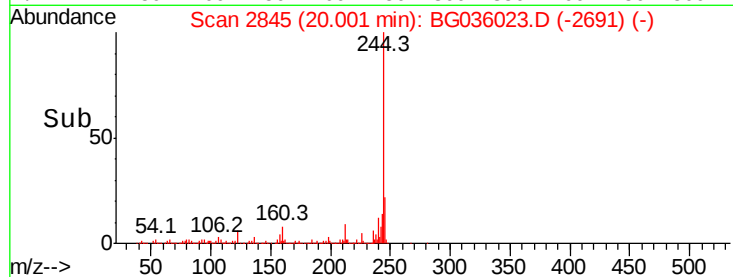
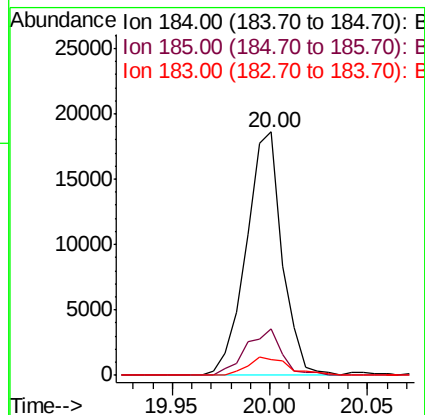
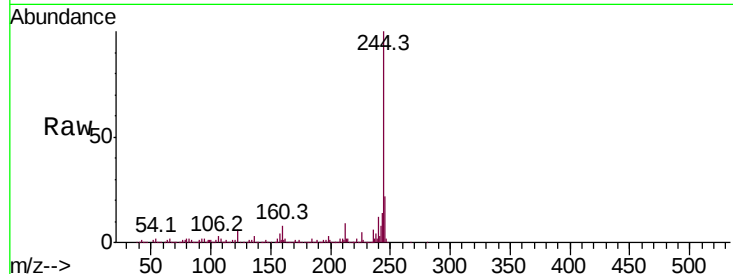
Tot Ion:184 Resp: 23698

Ion Ratio Lower Upper

184 100

185 19.4 11.1 16.7#

183 6.7 10.6 16.0#



#78

Terphenyl-d14

Concen: 101.152 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG036023.D

Acq: 1 Aug 2018 5:11

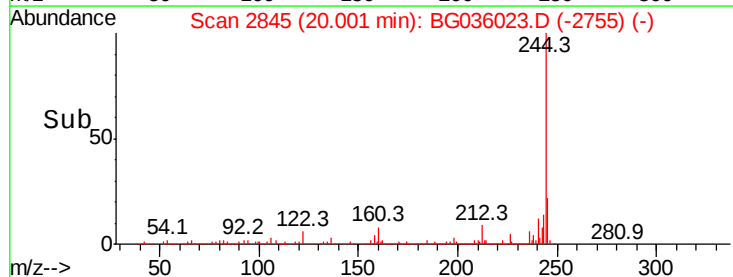
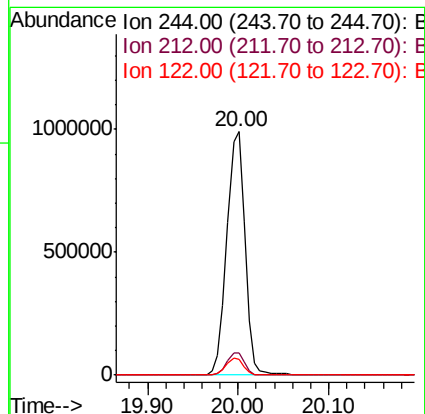
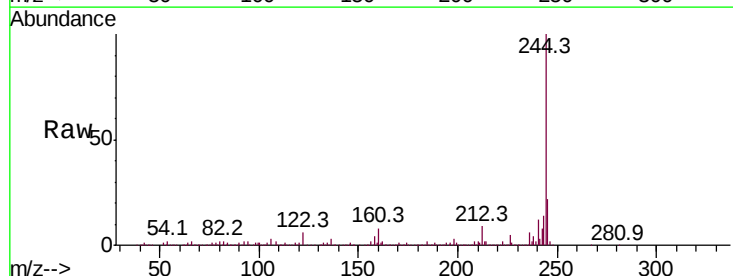
Tgt Ion:244 Resp: 1377195

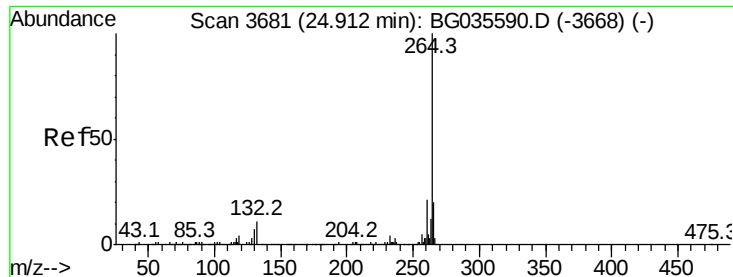
Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

122 6.4 7.0 10.4#

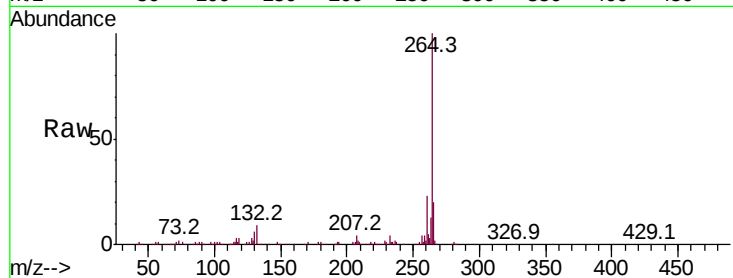




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3670
Delta R.T. -0.01 min
Lab File: BG036023.D
Acq: 1 Aug 2018 5:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	20.3	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

