

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080818\
 Data File : BG036226.D
 Acq On : 9 Aug 2018 10:27
 Operator : JU/SJ
 Sample : J4328-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-01

Quant Time: Aug 09 11:58:37 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

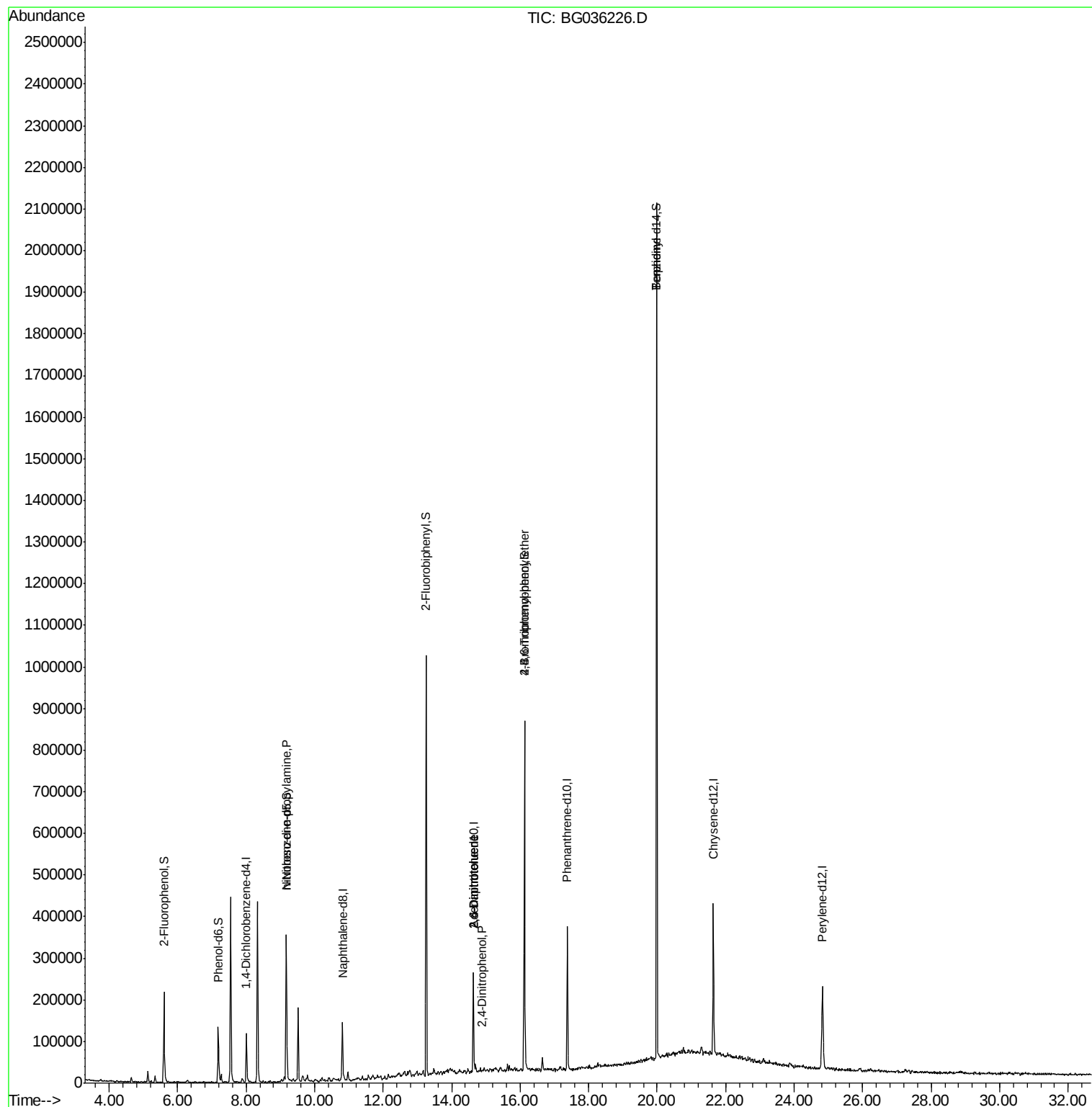
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	32058	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	114695	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	83998	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	215072	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	233361	20.00	ng	-0.02
86) Perylene-d12	24.83	264	225363	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	104220	53.97	ng	0.00
7) Phenol-d6	7.18	99	95230	33.06	ng	-0.01
23) Nitrobenzene-d5	9.17	82	246437	89.76	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	160920	145.35	ng	-0.02
44) 2-Fluorobiphenyl	13.25	172	539874	86.11	ng	-0.02
78) Terphenyl-d14	19.98	244	969788	91.61	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	35611	14.679	ng	# 68
50) 2,6-Dinitrotoluene	14.63	165	11513	7.682	ng	# 23
53) 2,4-Dinitrophenol	14.87	184	73	6.669	ng	# 27
56) 2,4-Dinitrotoluene	14.63	165	11513	5.355	ng	# 20
66) 4-Bromophenyl-phenylether	16.13	248	13178	5.281	ng	# 1
76) Benzidine	19.98	184	18626	3.036	ng	# 91

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

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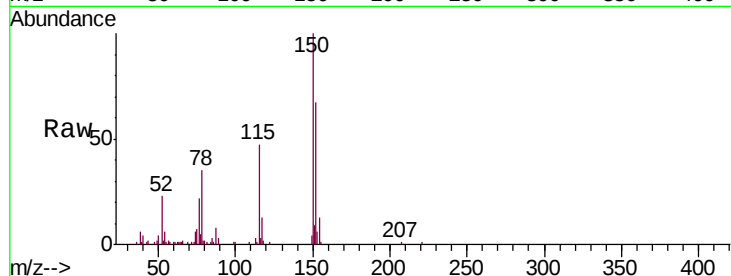


#1

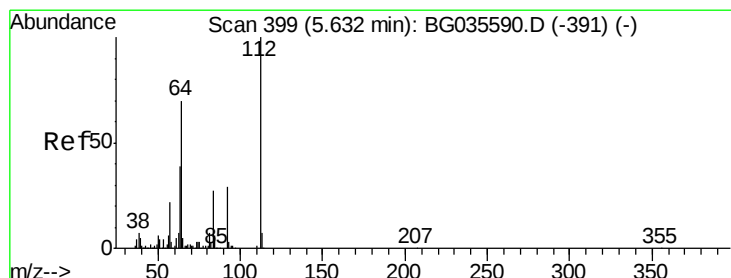
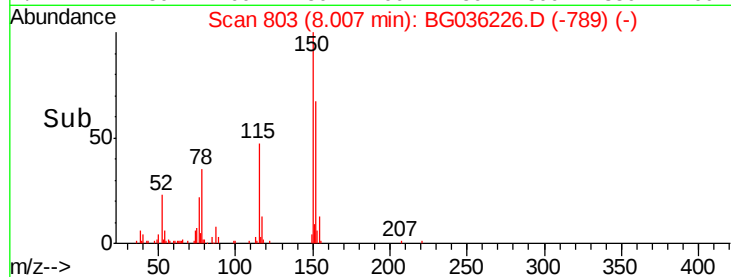
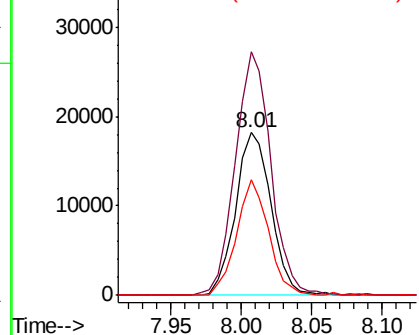
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036226.D
Acq: 9 Aug 2018 10:27

Instrument :
BNA_G
ClientSampleId :
MW-01

Tgt Ion:152 Resp: 32058
Ion Ratio Lower Upper
152 100
150 149.4 126.6 189.8
115 70.9 53.0 79.4



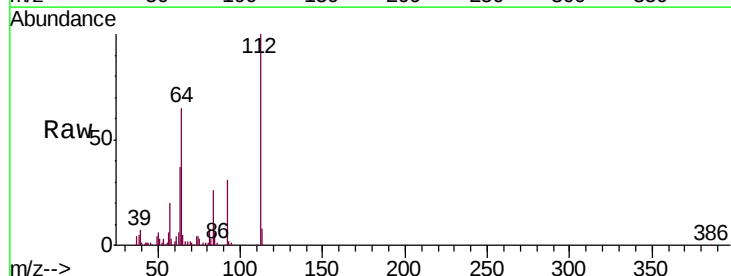
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



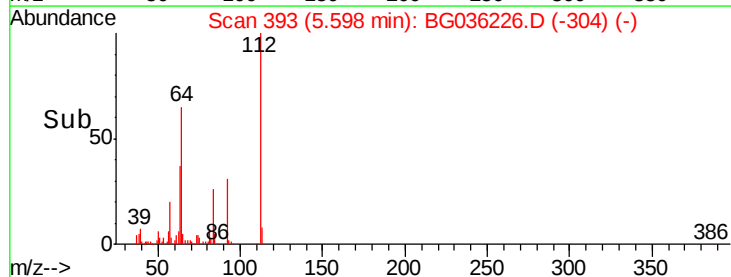
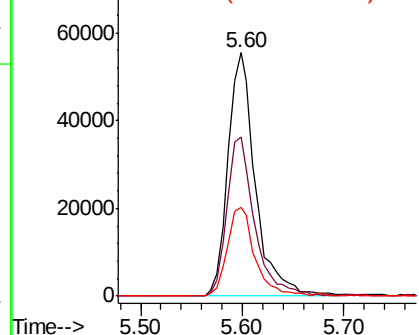
#5

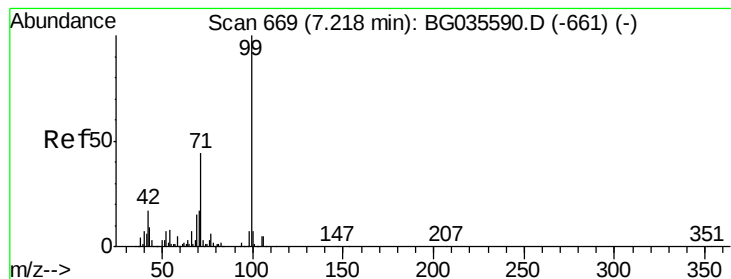
2-Fluorophenol
Concen: 53.974 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036226.D
Acq: 9 Aug 2018 10:27

Tgt Ion:112 Resp: 104220
Ion Ratio Lower Upper
112 100
64 65.3 56.3 84.5
63 36.6 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: 33.055 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036226.D

Acq: 9 Aug 2018 10:27

Instrument :

BNA_G

ClientSampleId :

MW-01

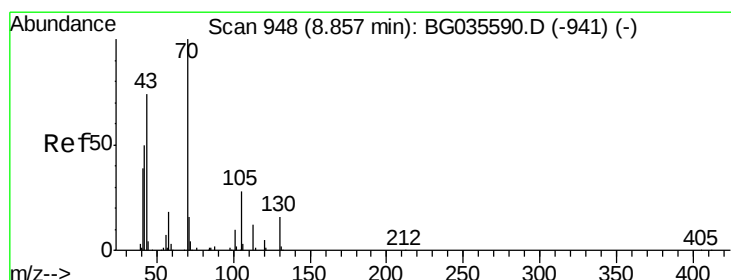
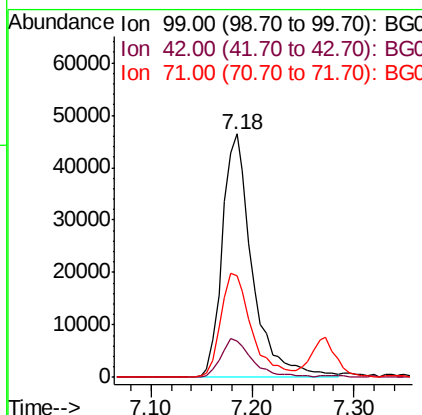
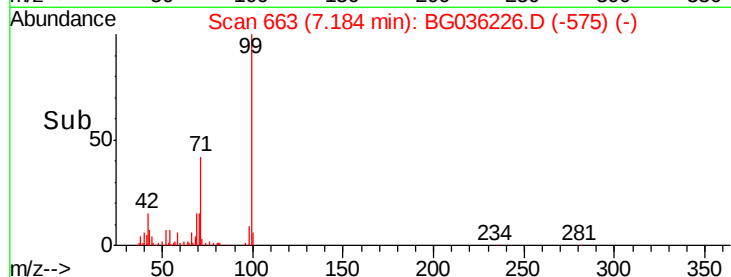
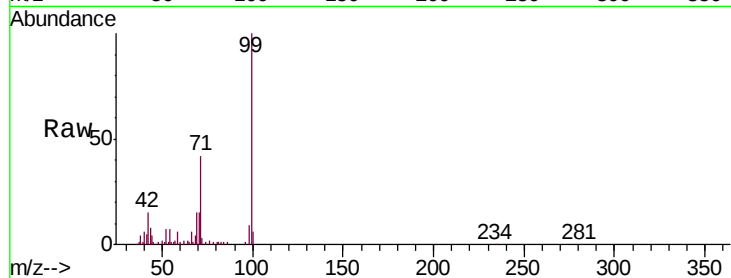
Tgt Ion: 99 Resp: 95230

Ion Ratio Lower Upper

99 100

42 15.1 14.1 21.1

71 41.6 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.679 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036226.D

Acq: 9 Aug 2018 10:27

Tgt Ion: 70 Resp: 35611

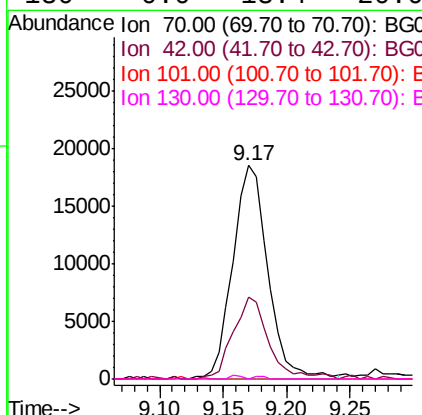
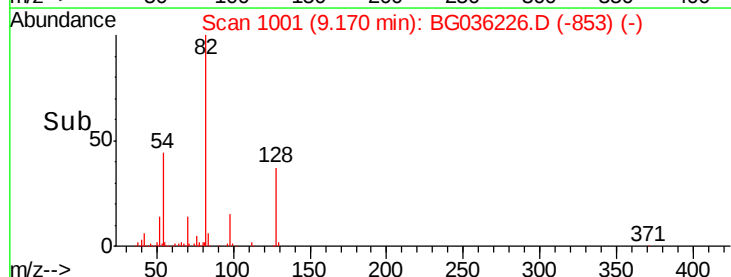
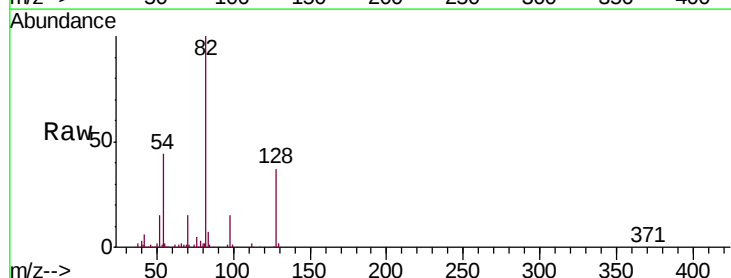
Ion Ratio Lower Upper

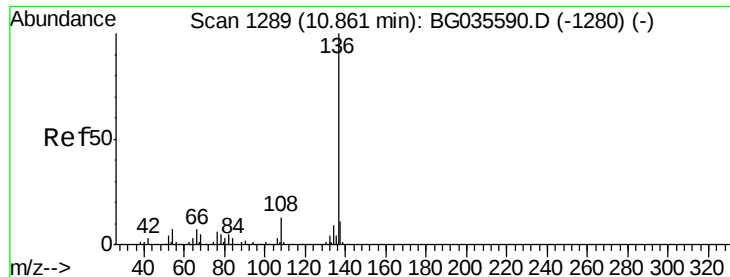
70 100

42 38.2 49.1 73.7#

101 0.0 8.5 12.7#

130 0.0 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BG036226.D

Acq: 9 Aug 2018 10:27

Instrument :

BNA_G

ClientSampleId :

MW-01

Tgt Ion: 136 Resp: 114695

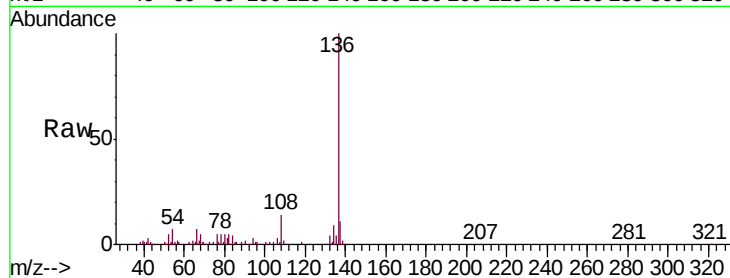
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 6.5 10.3 15.5#

68 4.9 4.5 6.7

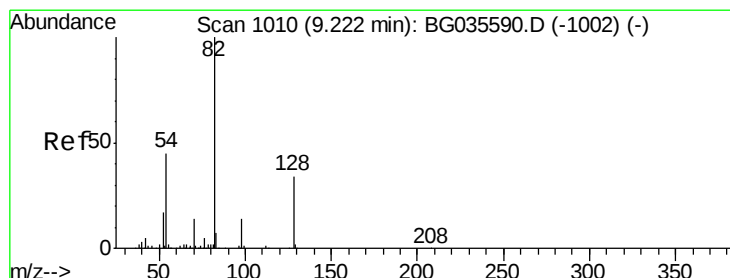
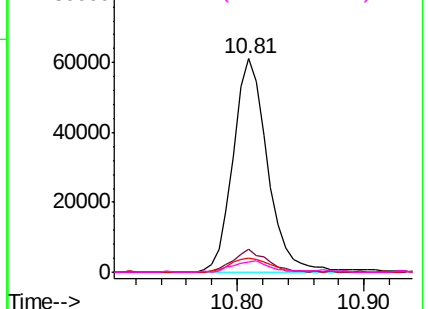
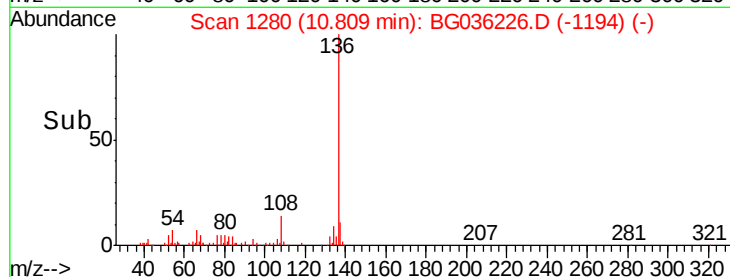


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.758 ng

RT: 9.17 min Scan# 1001

Delta R.T. -0.02 min

Lab File: BG036226.D

Acq: 9 Aug 2018 10:27

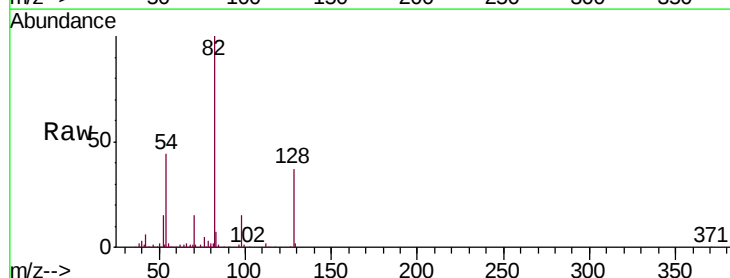
Tgt Ion: 82 Resp: 246437

Ion Ratio Lower Upper

82 100

128 36.7 29.7 44.5

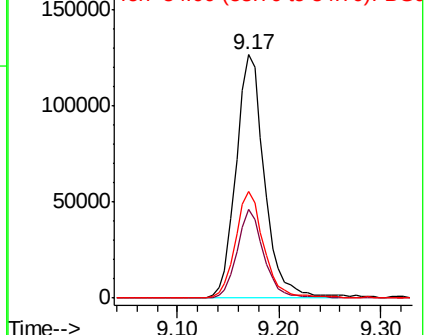
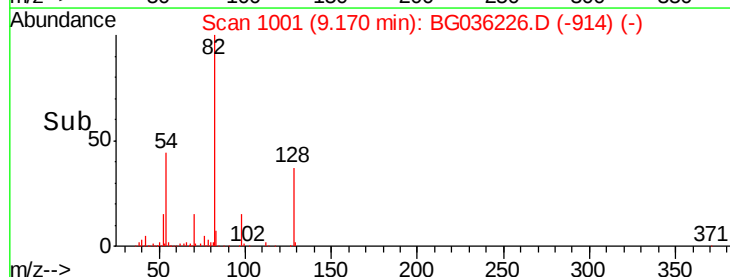
54 43.8 43.1 64.7



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: BG036226.D

Acq: 9 Aug 2018 10:27

Instrument :

BNA_G

ClientSampleId :

MW-01

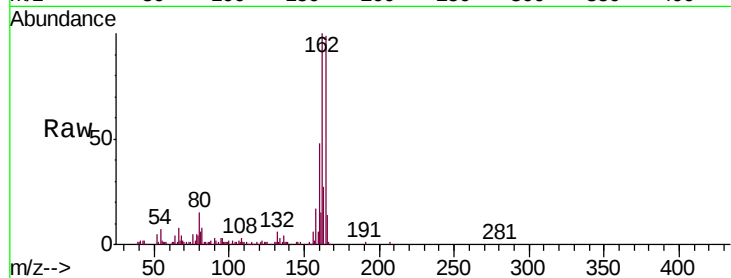
Tgt Ion:164 Resp: 83998

Ion Ratio Lower Upper

164 100

162 101.3 78.8 118.2

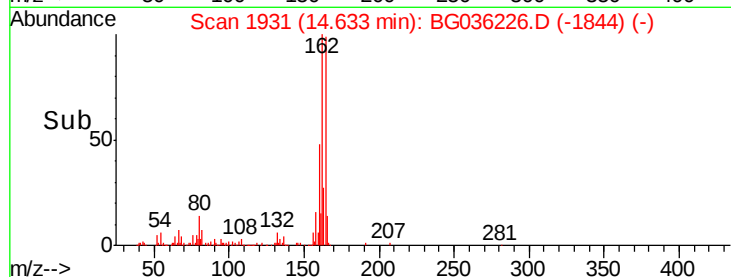
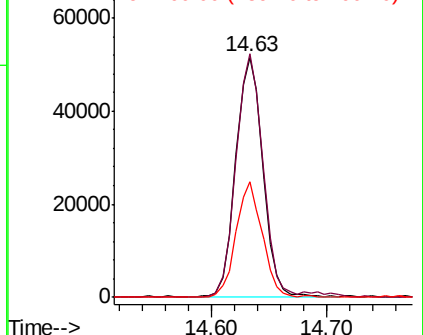
160 48.4 35.4 53.0



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: 145.346 ng

RT: 16.13 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036226.D

Acq: 9 Aug 2018 10:27

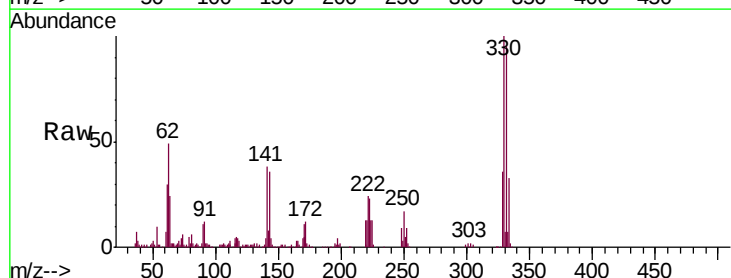
Tgt Ion:330 Resp: 160920

Ion Ratio Lower Upper

330 100

332 95.2 77.0 115.6

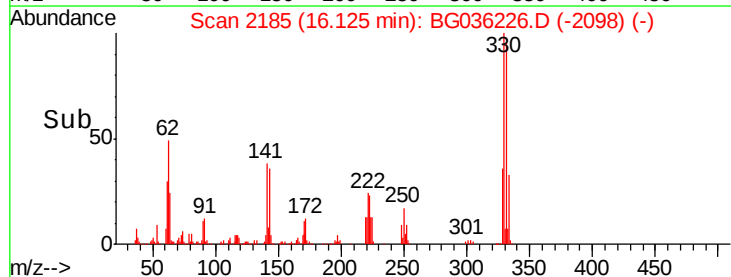
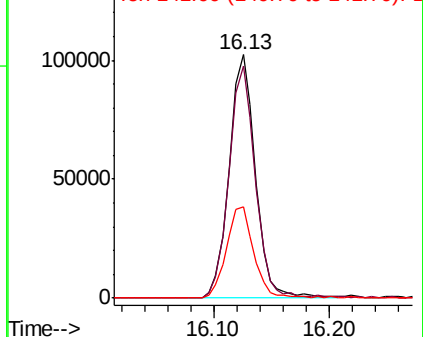
141 39.1 25.2 37.8#

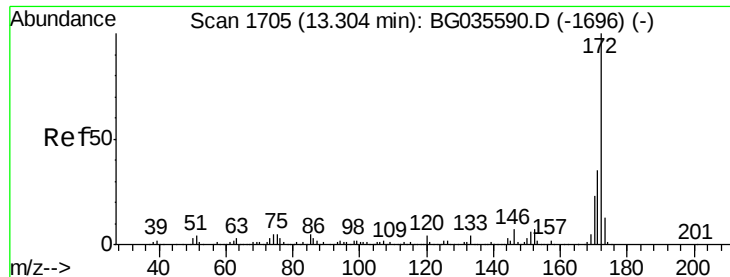


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

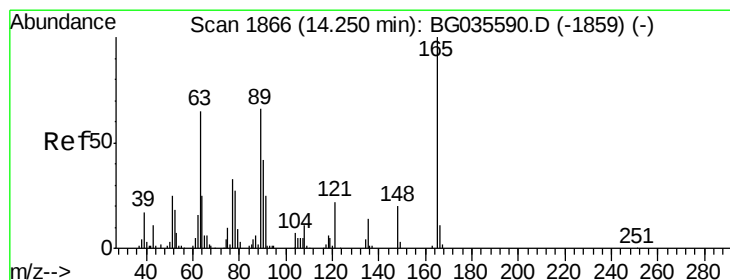
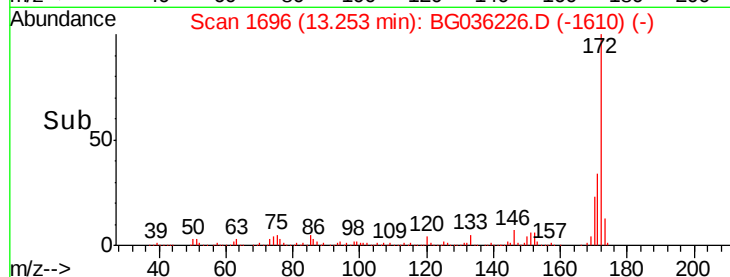
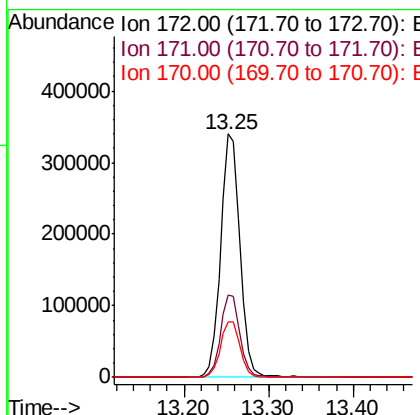
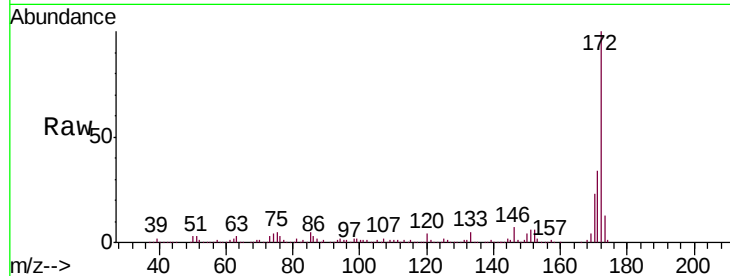




#44
 2-Fluorobiphenyl
 Concen: 86.108 ng
 RT: 13.25 min Scan# 1696
 Delta R.T. -0.02 min
 Lab File: BG036226.D
 Acq: 9 Aug 2018 10:27

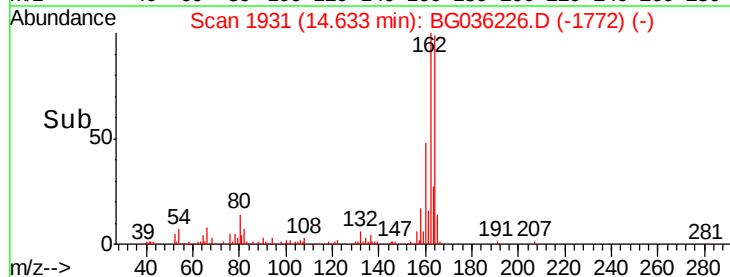
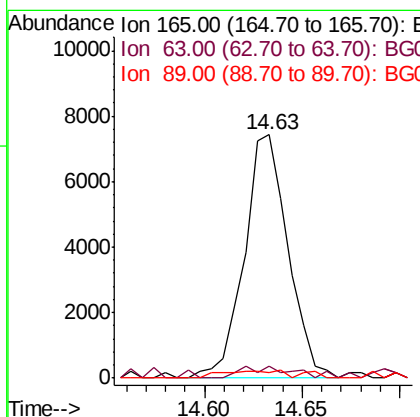
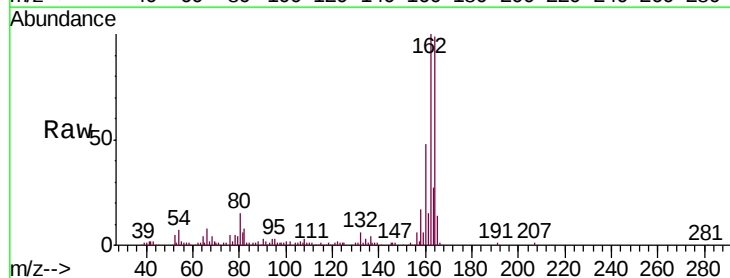
Instrument :
 BNA_G
 ClientSampled :
 MW-01

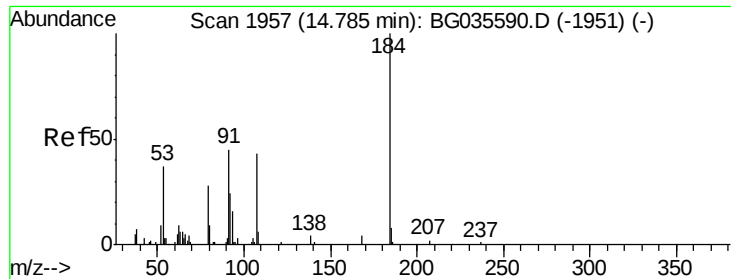
Tgt Ion:172 Resp: 539874
 Ion Ratio Lower Upper
 172 100
 171 34.1 30.0 45.0
 170 23.0 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.682 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. 0.41 min
 Lab File: BG036226.D
 Acq: 9 Aug 2018 10:27

Tgt Ion:165 Resp: 11513
 Ion Ratio Lower Upper
 165 100
 63 4.8 52.7 79.1#
 89 2.2 49.2 73.8#

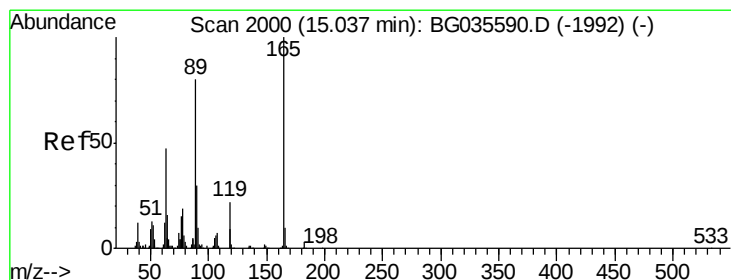
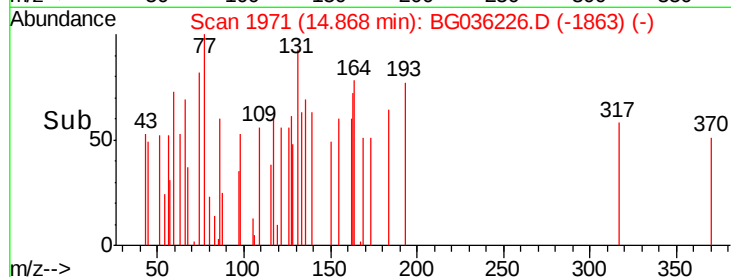
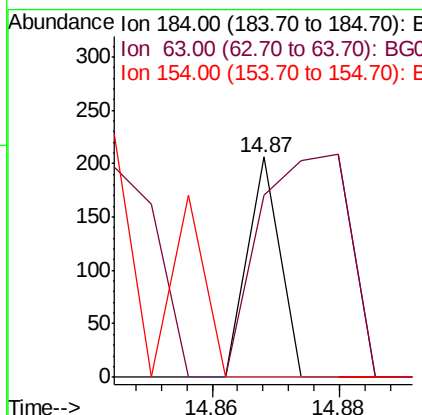
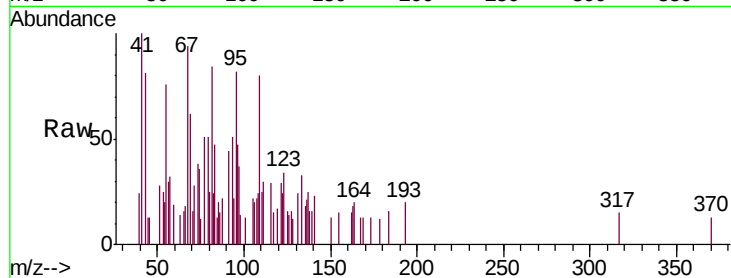




#53
2,4-Dinitrophenol
Concen: 6.669 ng
RT: 14.87 min Scan# 1971
Delta R.T. 0.11 min
Lab File: BG036226.D
Acq: 9 Aug 2018 10:27

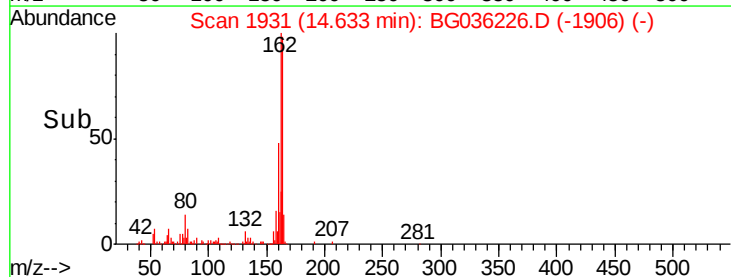
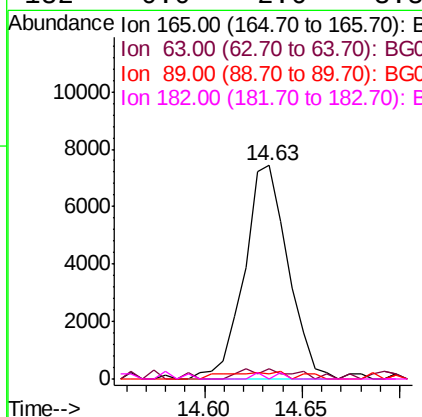
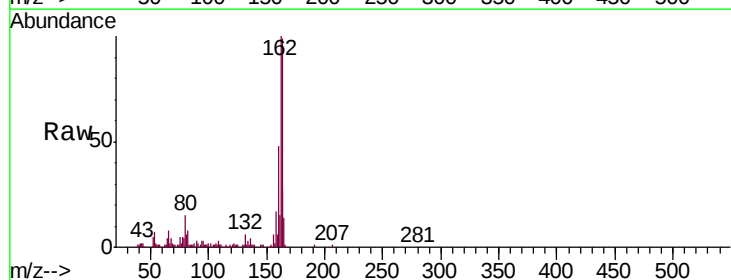
Instrument :
BNA_G
ClientSampleId :
MW-01

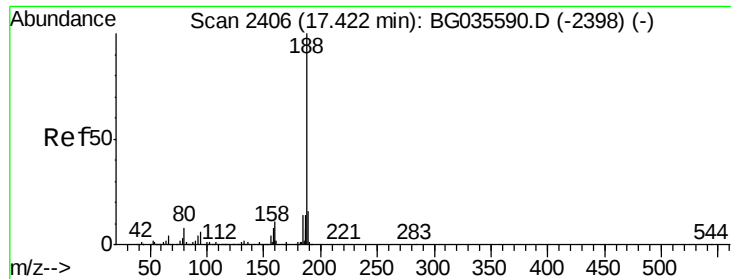
Tgt Ion:184 Resp: 73
Ion Ratio Lower Upper
184 100
63 83.0 59.8 89.8
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 5.355 ng
RT: 14.63 min Scan# 1931
Delta R.T. -0.38 min
Lab File: BG036226.D
Acq: 9 Aug 2018 10:27

Tgt Ion:165 Resp: 11513
Ion Ratio Lower Upper
165 100
63 4.8 42.0 63.0#
89 2.2 66.9 100.3#
182 0.0 2.6 3.8#

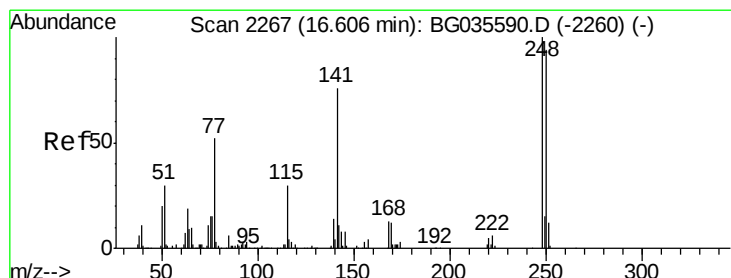
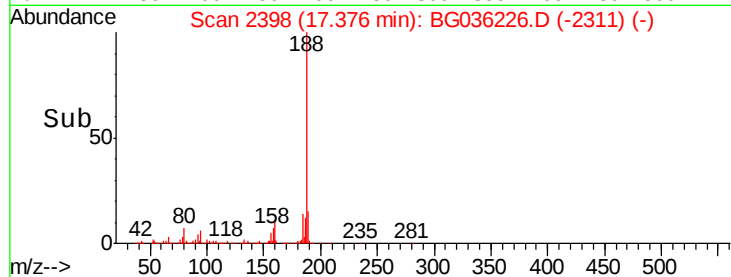
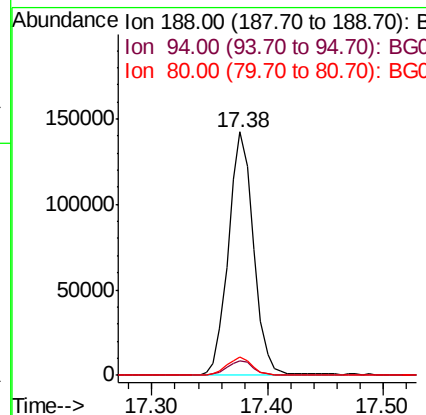
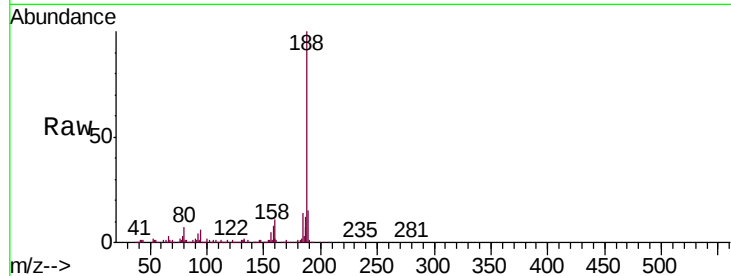




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.38 min Scan# 2398
Delta R.T. -0.02 min
Lab File: BG036226.D
Acq: 9 Aug 2018 10:27

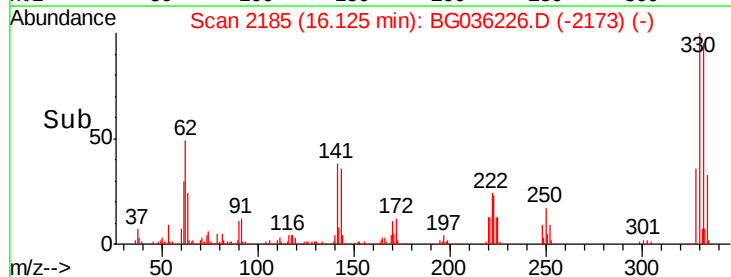
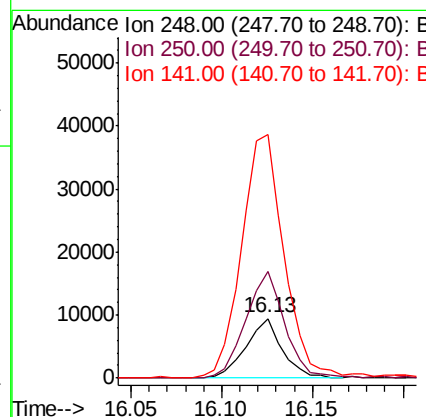
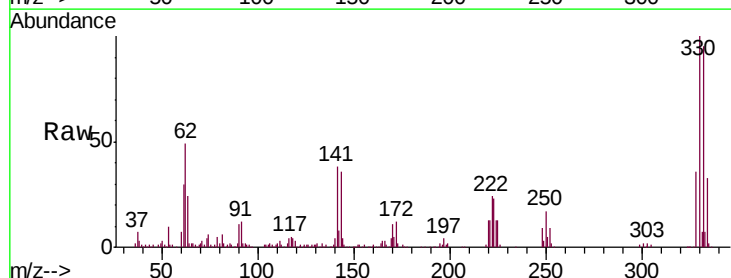
Instrument :
BNA_G
ClientSampleId :
MW-01

Tgt Ion:188 Resp: 215072
Ion Ratio Lower Upper
188 100
94 5.9 6.9 10.3#
80 7.4 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 5.281 ng
RT: 16.13 min Scan# 2185
Delta R.T. -0.46 min
Lab File: BG036226.D
Acq: 9 Aug 2018 10:27

Tgt Ion:248 Resp: 13178
Ion Ratio Lower Upper
248 100
250 179.3 77.1 115.7#
141 408.8 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036226.D

Acq: 9 Aug 2018 10:27

Instrument :

BNA_G

ClientSampleId :

MW-01

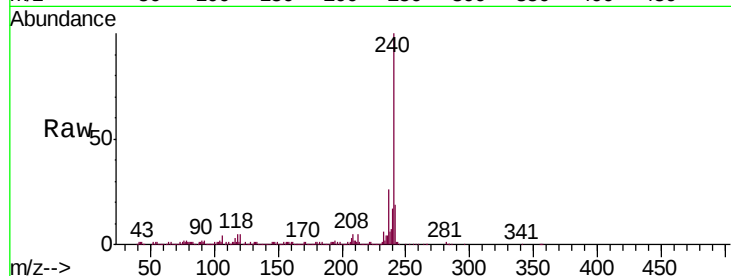
Tgt Ion:240 Resp: 233361

Ion Ratio Lower Upper

240 100

120 4.9 6.8 10.2#

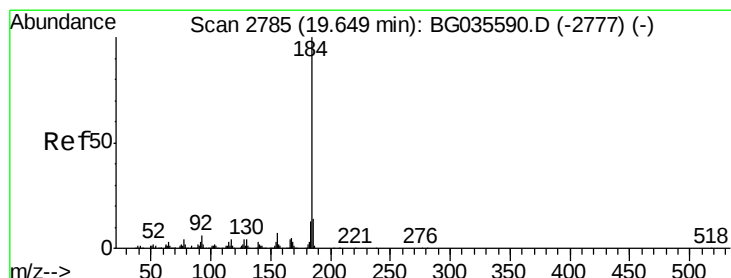
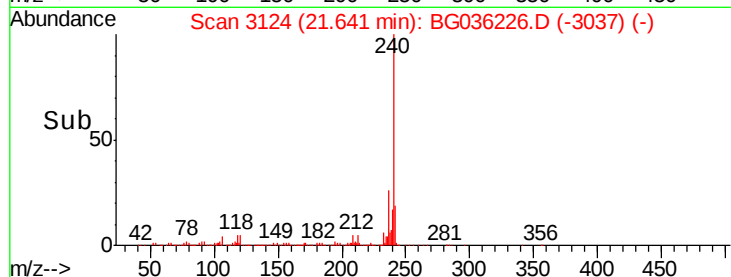
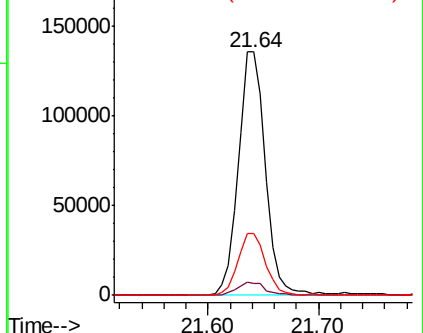
236 25.5 20.9 31.3



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: 3.036 ng

RT: 19.98 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036226.D

Acq: 9 Aug 2018 10:27

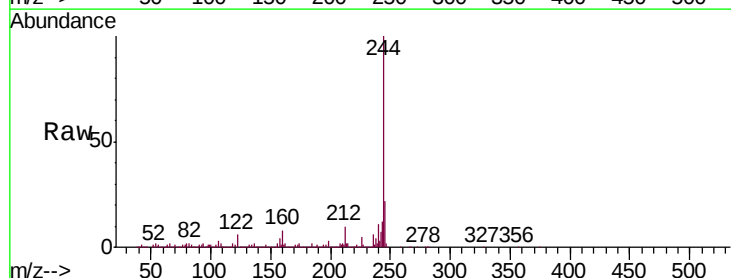
Tgt Ion:184 Resp: 18626

Ion Ratio Lower Upper

184 100

185 17.3 11.1 16.7#

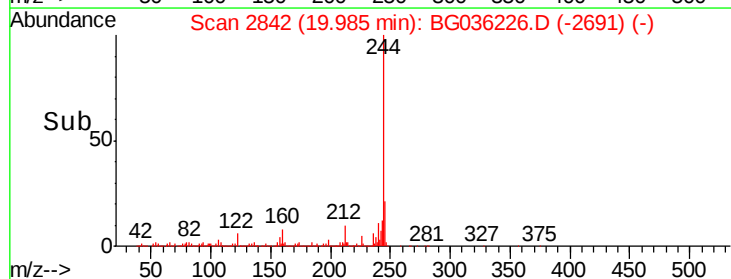
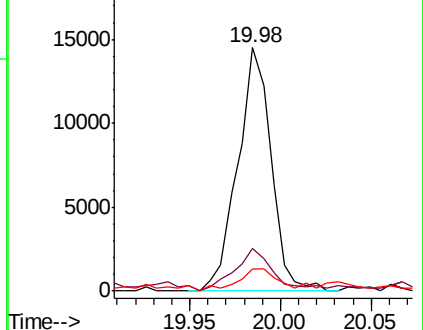
183 9.1 10.6 16.0#

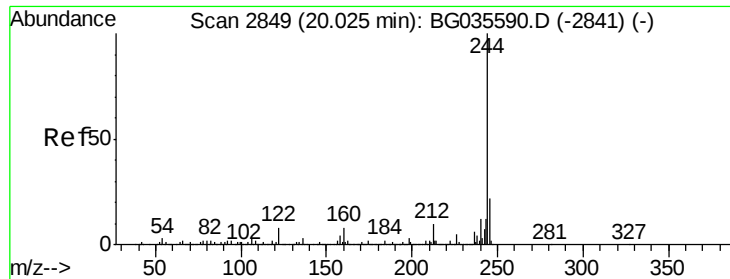


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.605 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036226.D

Acq: 9 Aug 2018 10:27

Instrument :

BNA_G

ClientSampleId :

MW-01

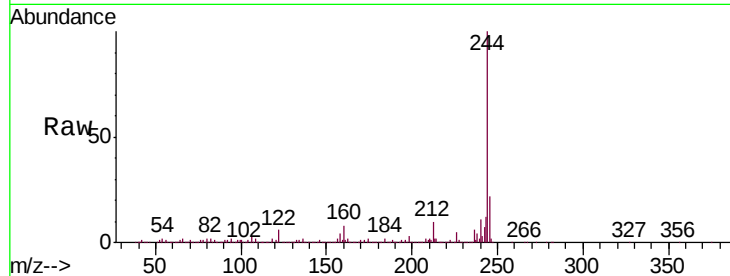
Tgt Ion:244 Resp: 969788

Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

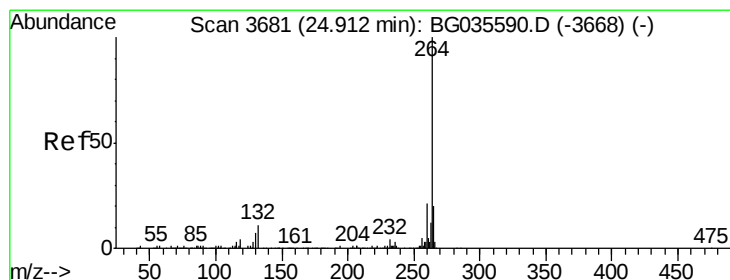
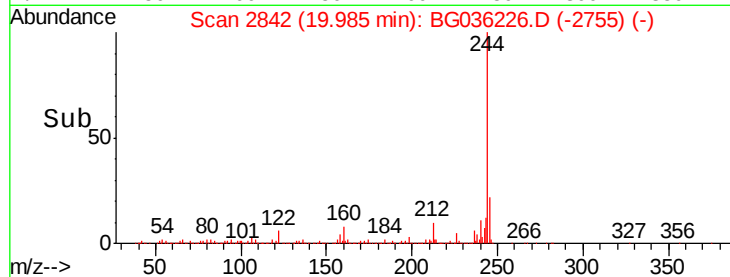
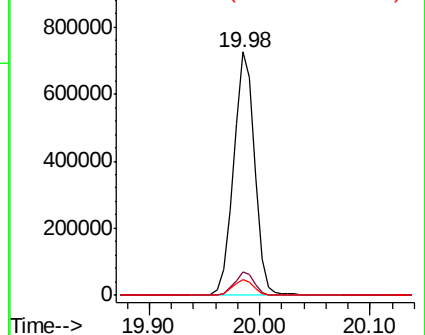
122 6.4 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.83 min Scan# 3666

Delta R.T. -0.04 min

Lab File: BG036226.D

Acq: 9 Aug 2018 10:27

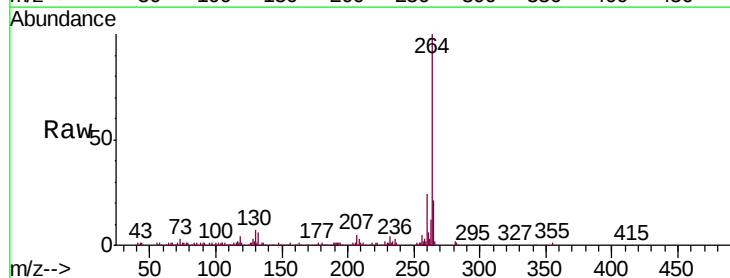
Tgt Ion:264 Resp: 225363

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 20.7 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

