

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060619\
 Data File : BG041086.D
 Acq On : 6 Jun 2019 11:47
 Operator : HP/JU
 Sample : K3088-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 W-4

Quant Time: Jun 06 23:15:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

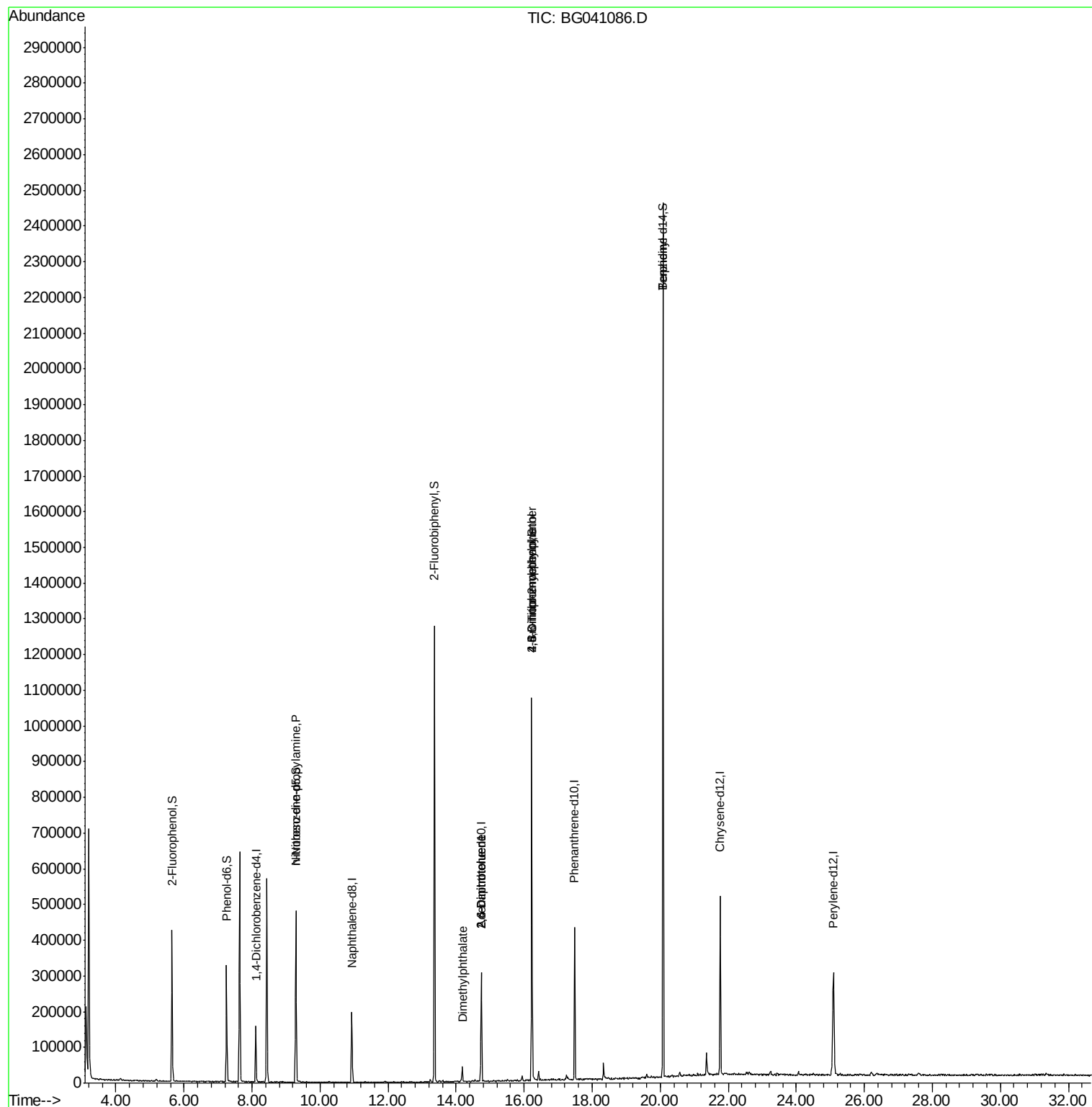
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	43851	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	160530	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	106417	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	267585	20.00	ng	-0.02
76) Chrysene-d12	21.76	240	305714	20.00	ng	-0.02
87) Perylene-d12	25.09	264	332681	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	165846	68.20	ng	0.00
7) Phenol-d6	7.25	99	173487	46.19	ng	-0.02
23) Nitrobenzene-d5	9.29	82	297568	82.29	ng	-0.02
42) 2,4,6-Tribromophenol	16.23	330	196897	124.63	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	641549	86.82	ng	-0.02
79) Terphenyl-d14	20.08	244	1171177	81.31	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	43484	15.045	ng	# 69
50) Dimethylphthalate	14.19	163	21820	2.422	ng	# 98
51) 2,6-Dinitrotoluene	14.74	165	14699	7.568	ng	# 18
57) 2,4-Dinitrotoluene	14.74	165	14699	5.358	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.23	198	709	8.996	ng	# 81
67) 4-Bromophenyl-phenylether	16.22	248	15027	4.161	ng	# 1
77) Benzidine	20.08	184	20477	2.808	ng	# 95

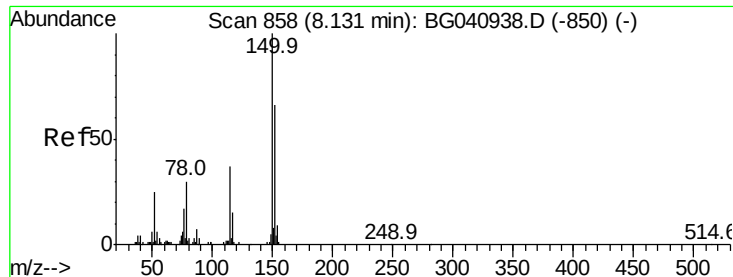
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 856

Delta R.T. -0.02 min

Lab File: BG041086.D

Acq: 6 Jun 2019 11:47

Instrument :

BNA_G

ClientSampleId :

W-4

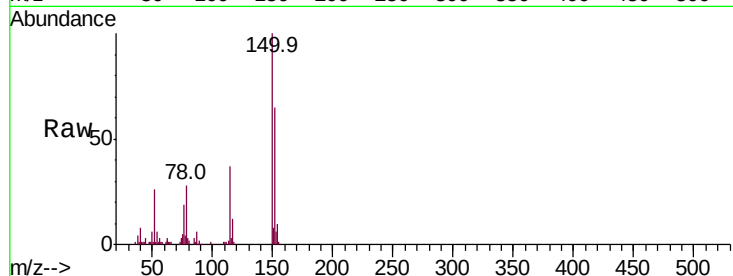
Tot Ion:152 Resp: 43851

Ion Ratio Lower Upper

152 100

150 153.4 120.6 180.8

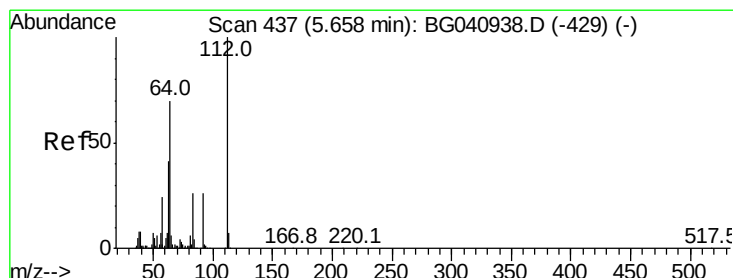
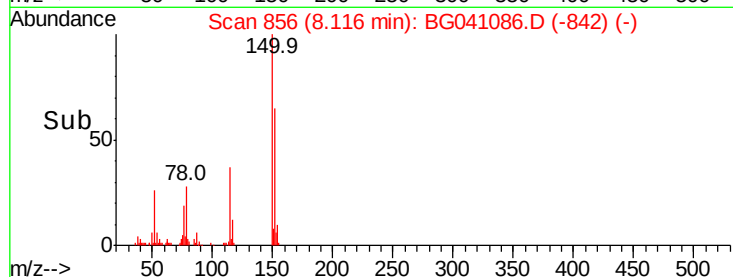
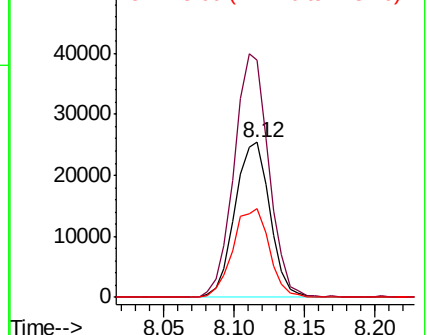
115 57.2 45.1 67.7



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: 68.198 ng

RT: 5.65 min Scan# 436

Delta R.T. -0.01 min

Lab File: BG041086.D

Acq: 6 Jun 2019 11:47

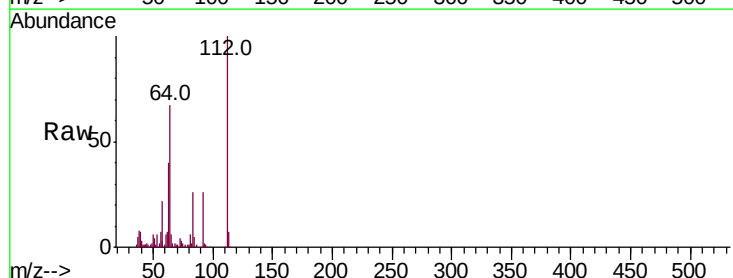
Tgt Ion:112 Resp: 165846

Ion Ratio Lower Upper

112 100

64 66.7 56.2 84.2

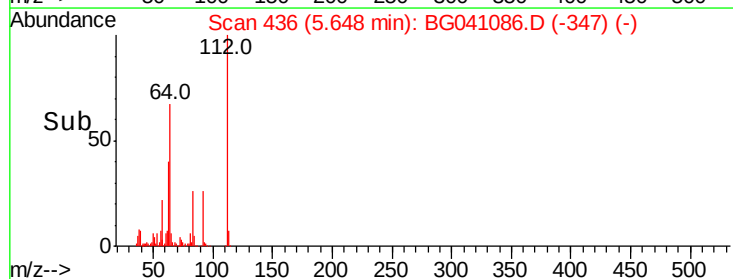
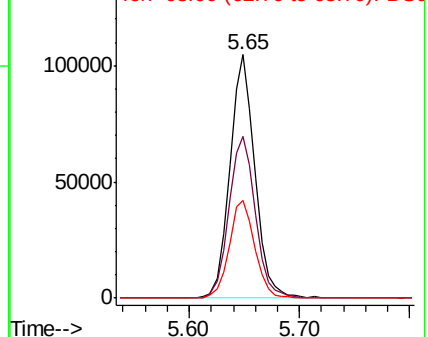
63 40.2 32.8 49.2

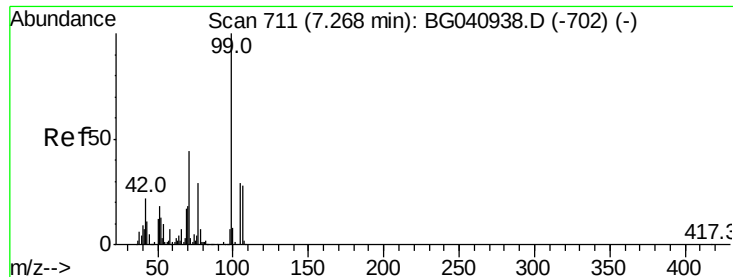


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 46.193 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.02 min

Lab File: BG041086.D

Acq: 6 Jun 2019 11:47

Instrument :

BNA_G

ClientSampleId :

W-4

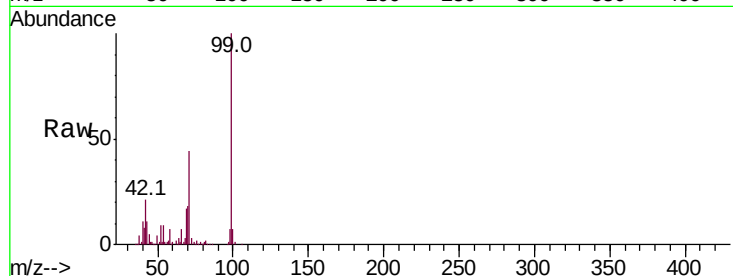
Tot Ion: 99 Resp: 173487

Ion Ratio Lower Upper

99 100

42 20.8 17.9 26.9

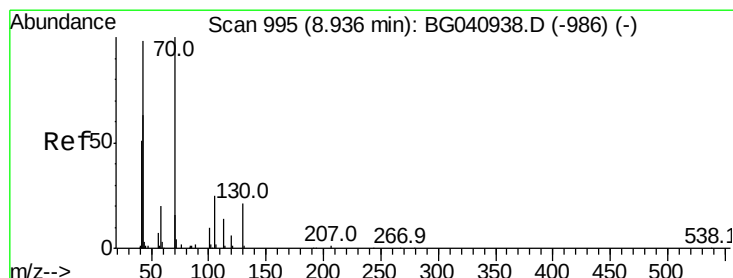
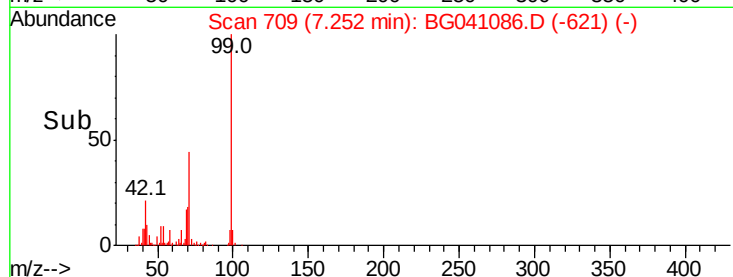
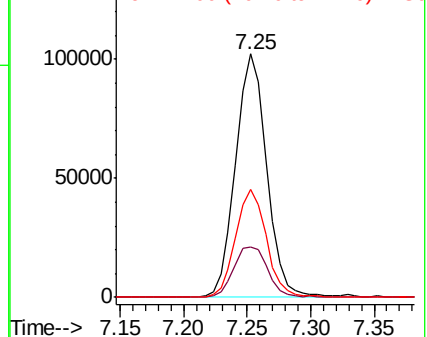
71 44.4 35.4 53.0



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: 15.045 ng

RT: 9.29 min Scan# 1056

Delta R.T. 0.36 min

Lab File: BG041086.D

Acq: 6 Jun 2019 11:47

Tgt Ion: 70 Resp: 43484

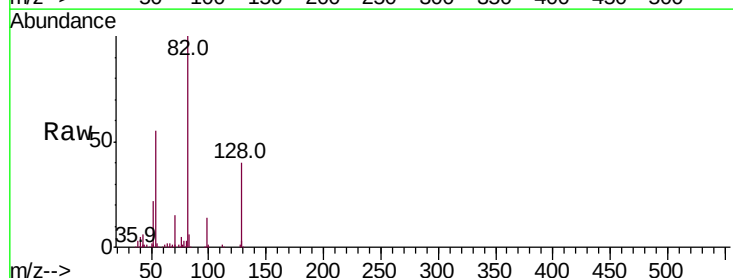
Ion Ratio Lower Upper

70 100

42 42.0 51.5 77.3#

101 0.0 8.1 12.1#

130 2.1 16.6 24.8#

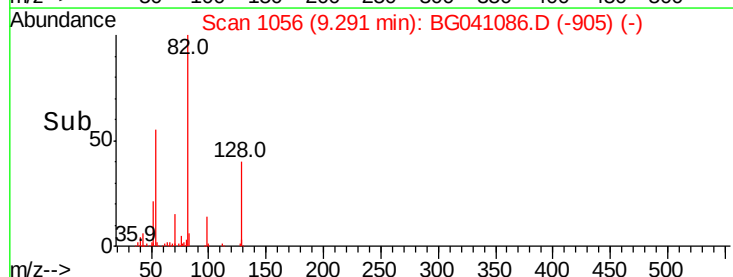
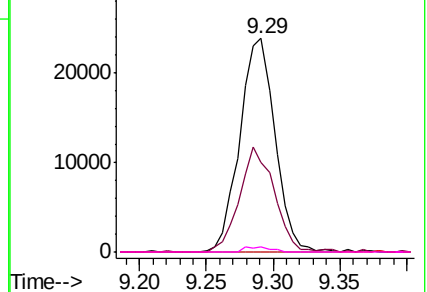


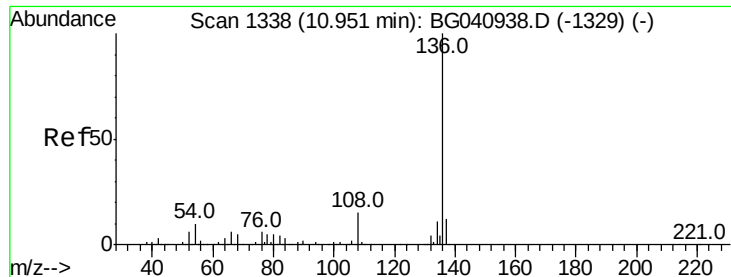
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

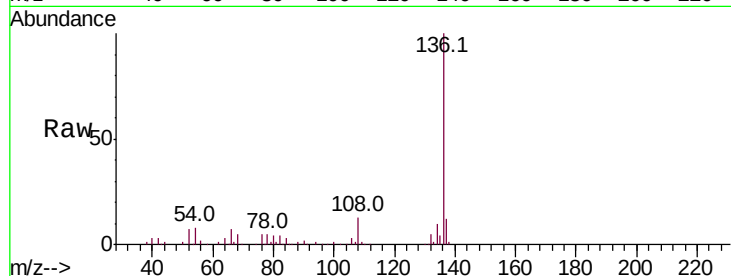




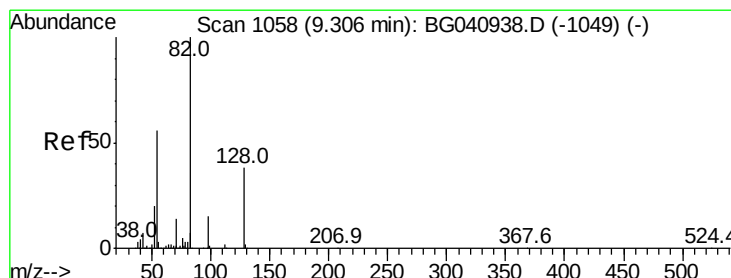
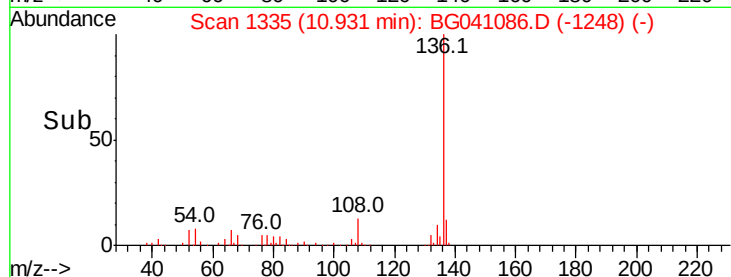
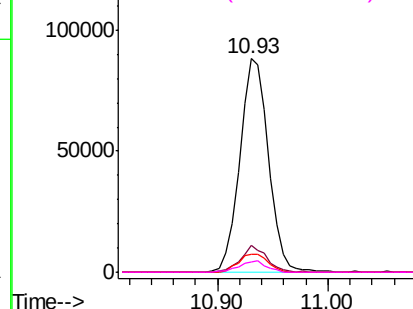
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BG041086.D
Acq: 6 Jun 2019 11:47

Instrument :
BNA_G
ClientSampleId :
W-4

Tot Ion:136	Resp: 160530
Ion Ratio	Lower Upper
136 100	
137 12.5	9.5 14.3
54 8.3	7.6 11.4
68 5.0	3.9 5.9

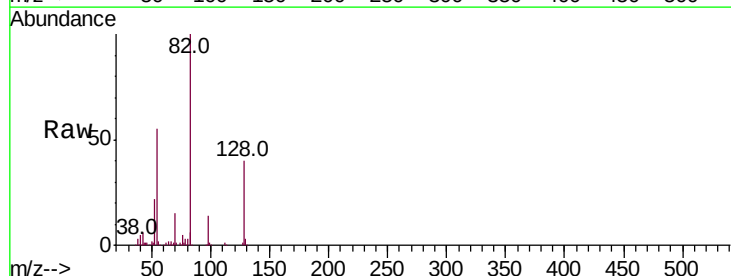


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

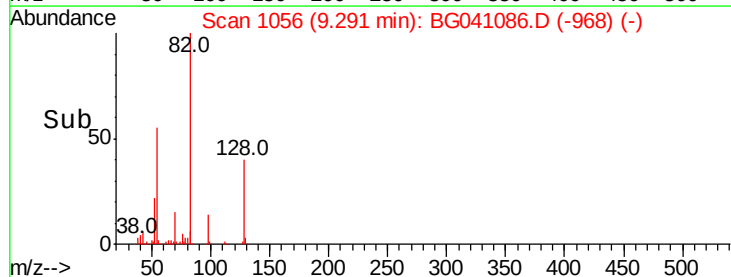
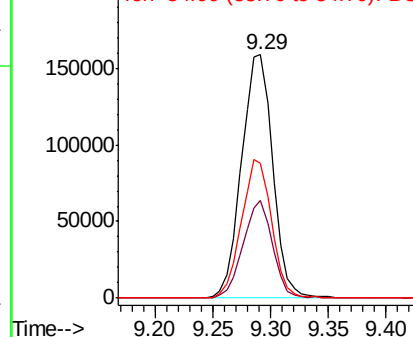


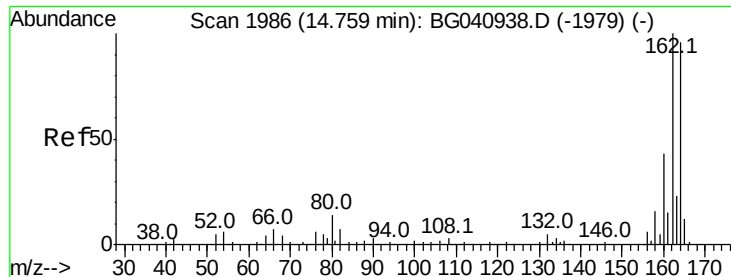
#23
Nitrobenzene-d5
Concen: 82.291 ng
RT: 9.29 min Scan# 1056
Delta R.T. -0.02 min
Lab File: BG041086.D
Acq: 6 Jun 2019 11:47

Tgt Ion: 82	Resp: 297568
Ion Ratio	Lower Upper
82 100	
128 40.0	30.5 45.7
54 55.2	44.6 66.8



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BG041086.D

Acq: 6 Jun 2019 11:47

Instrument :

BNA_G

ClientSampleId :

W-4

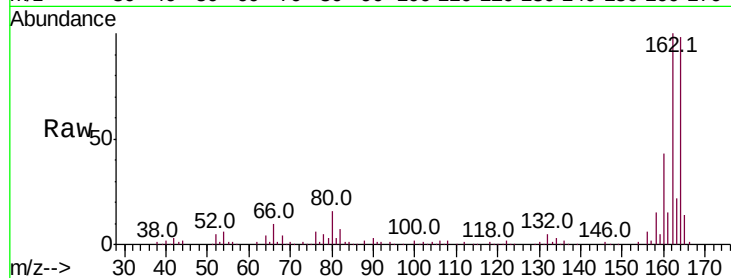
Tot Ion:164 Resp: 106417

Ion Ratio Lower Upper

164 100

162 102.2 83.0 124.4

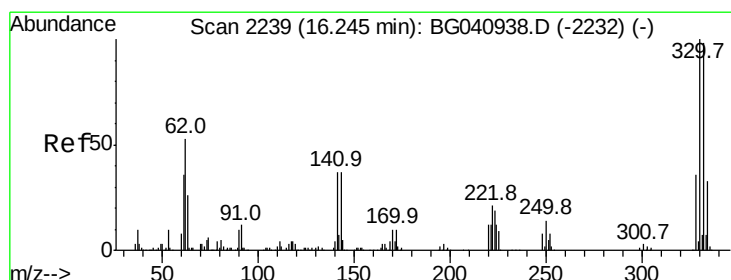
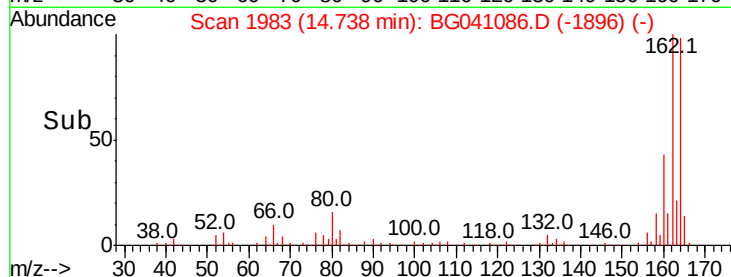
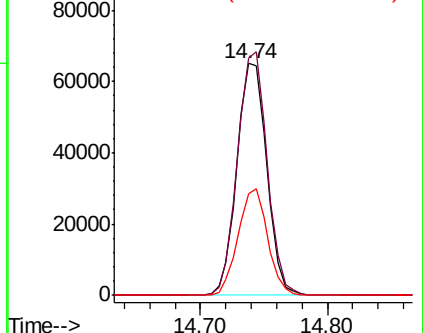
160 43.8 35.6 53.4



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



#42

2,4,6-Tribromophenol

Concen: 124.631 ng

RT: 16.23 min Scan# 2237

Delta R.T. -0.02 min

Lab File: BG041086.D

Acq: 6 Jun 2019 11:47

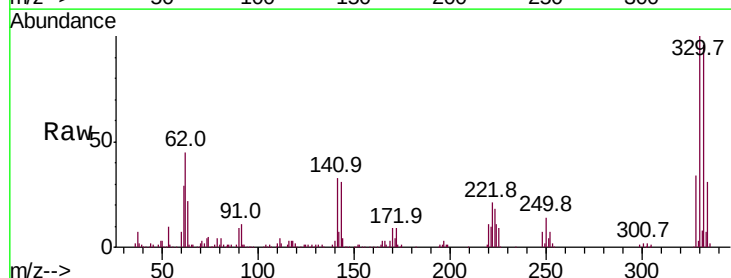
Tgt Ion:330 Resp: 196897

Ion Ratio Lower Upper

330 100

332 97.0 78.5 117.7

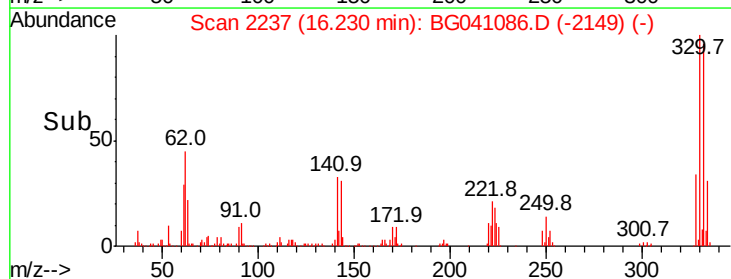
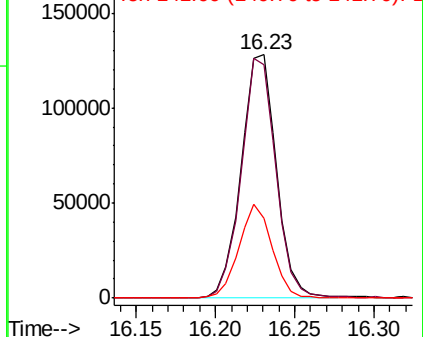
141 36.5 28.7 43.1

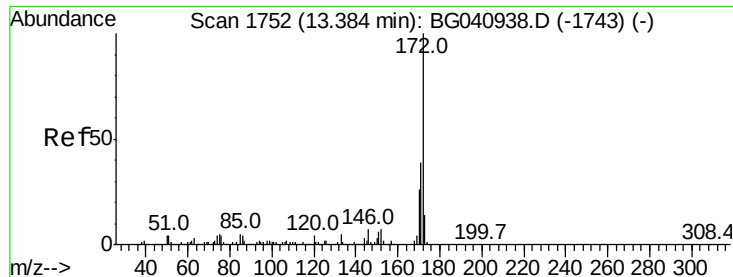


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

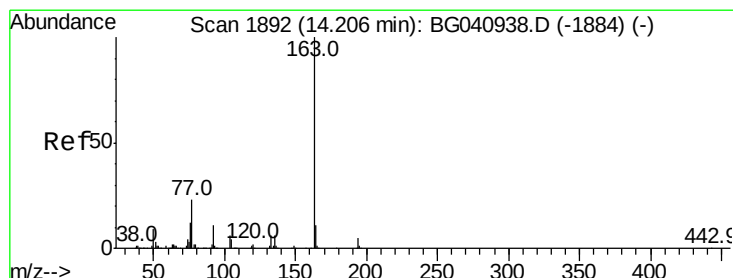
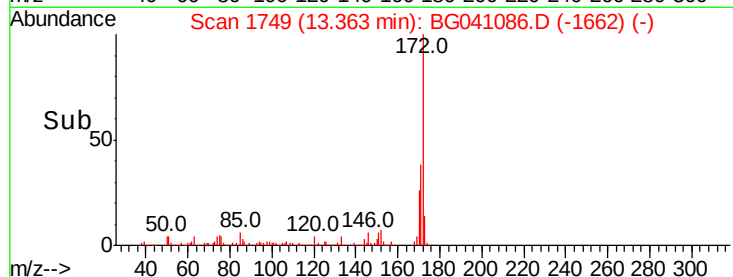
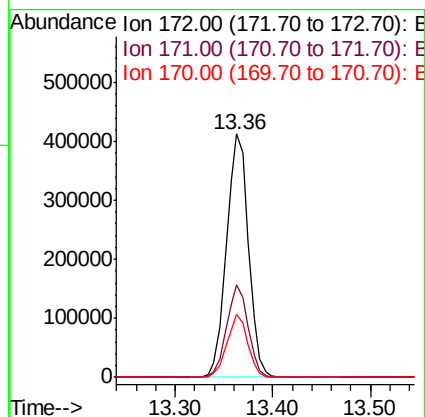
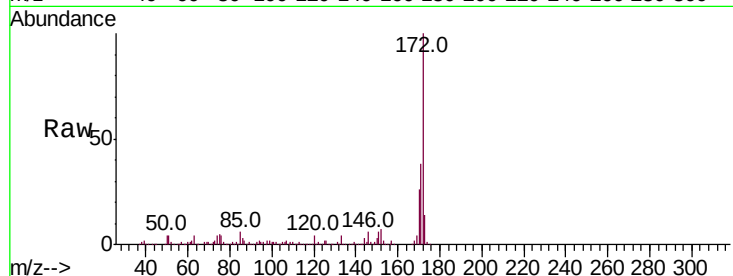




#45
2-Fluorobiphenyl
Concen: 86.819 ng
RT: 13.36 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BG041086.D
Acq: 6 Jun 2019 11:47

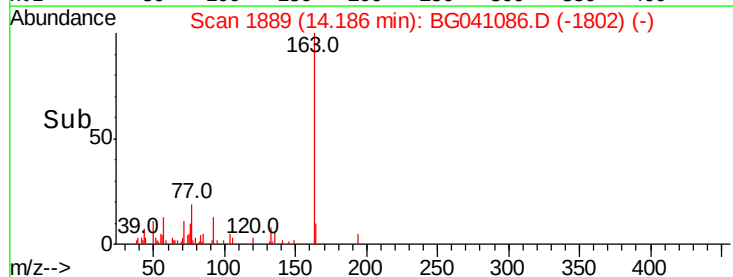
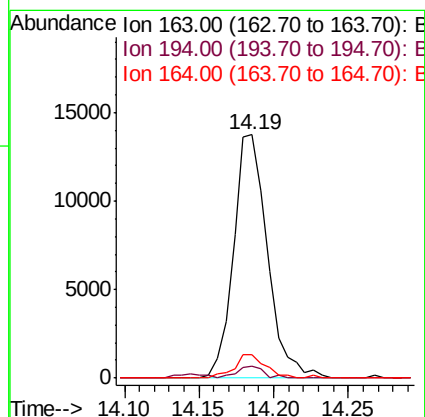
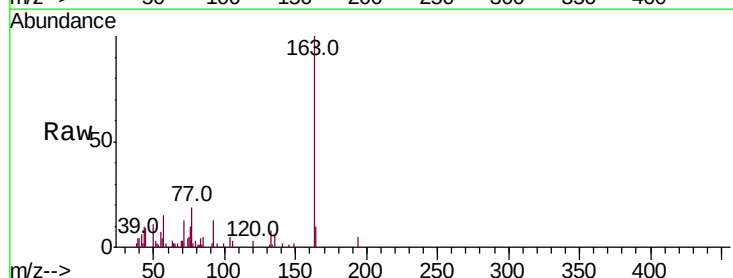
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BNA_G
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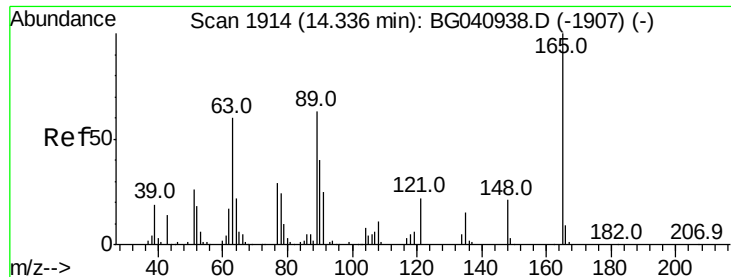
Tot Ion:172 Resp: 641549
Ion Ratio Lower Upper
172 100
171 37.8 31.1 46.7
170 26.0 20.5 30.7



#50
Dimethylphthalate
Concen: 2.422 ng
RT: 14.19 min Scan# 1889
Delta R.T. -0.02 min
Lab File: BG041086.D
Acq: 6 Jun 2019 11:47

Tgt Ion:163 Resp: 21820
Ion Ratio Lower Upper
163 100
194 4.8 3.8 5.8
164 9.7 8.7 13.1

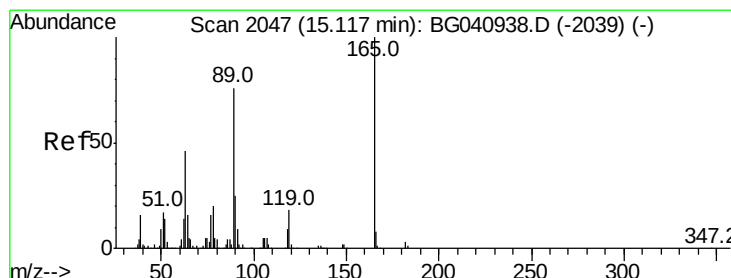
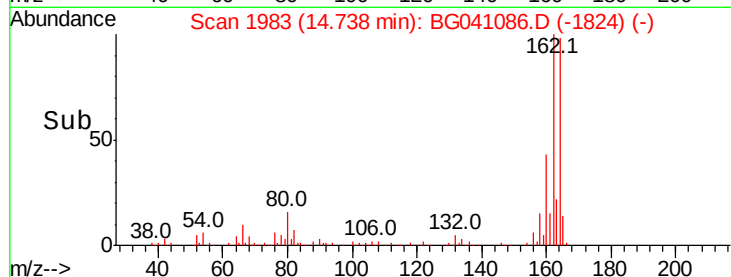
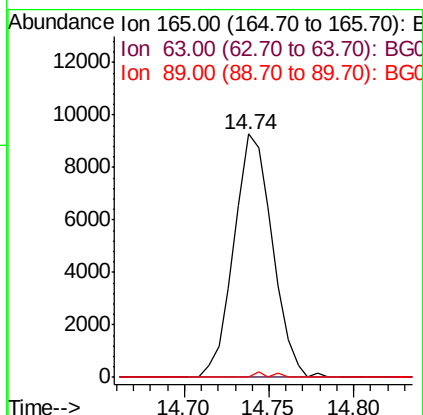
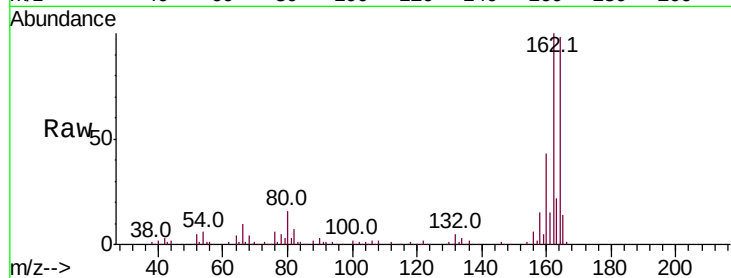




#51
 2,6-Dinitrotoluene
 Concen: 7.568 ng
 RT: 14.74 min Scan# 1983
 Delta R.T. 0.40 min
 Lab File: BG041086.D
 Acq: 6 Jun 2019 11:47

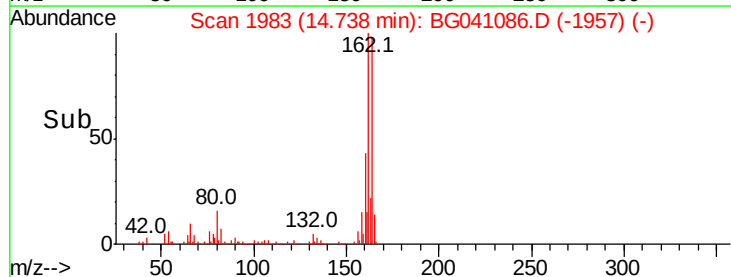
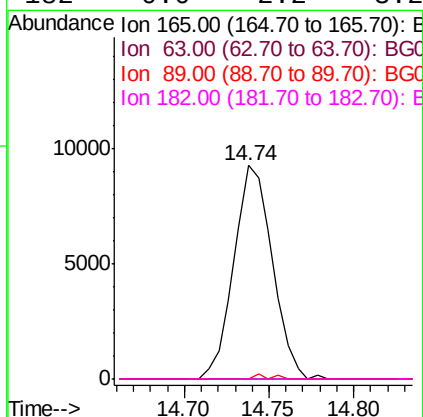
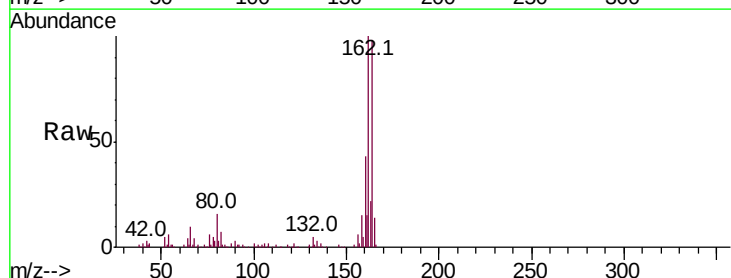
Instrument :
 BNA_G
 ClientSampleId :
 W-4

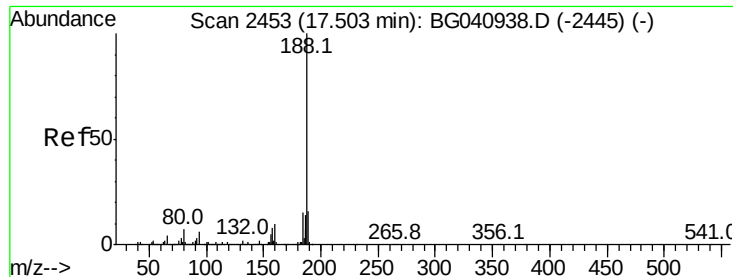
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	53.6	80.4#
89	0.0	50.4	75.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.358 ng
 RT: 14.74 min Scan# 1983
 Delta R.T. -0.38 min
 Lab File: BG041086.D
 Acq: 6 Jun 2019 11:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.3	55.9#
89	0.0	61.0	91.6#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2450

Delta R.T. -0.02 min

Lab File: BG041086.D

Acq: 6 Jun 2019 11:47

Instrument :

BNA_G

ClientSampleId :

W-4

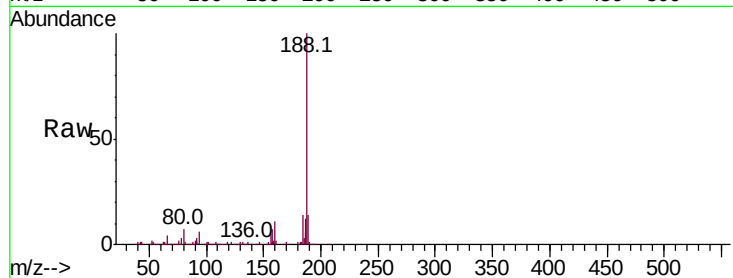
Tot Ion:188 Resp: 267585

Ion Ratio Lower Upper

188 100

94 5.9 4.7 7.1

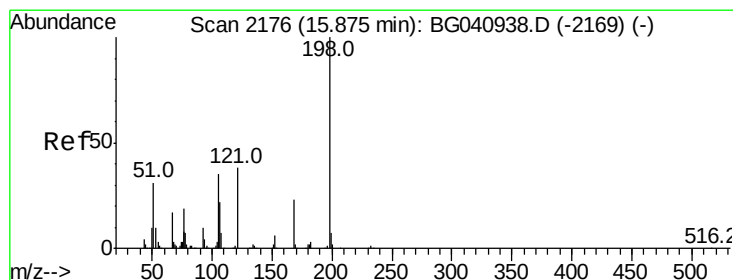
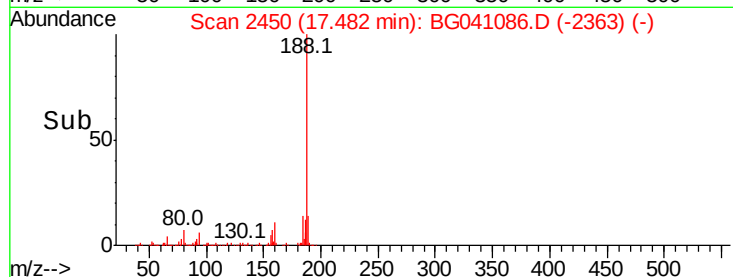
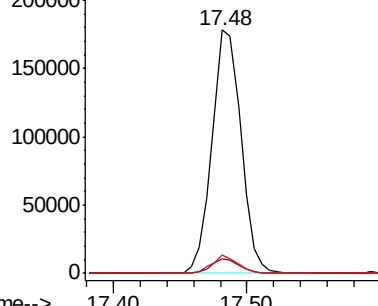
80 7.4 5.8 8.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.996 ng

RT: 16.23 min Scan# 2237

Delta R.T. 0.36 min

Lab File: BG041086.D

Acq: 6 Jun 2019 11:47

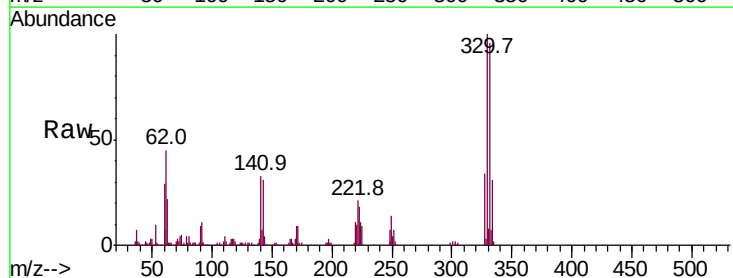
Tgt Ion:198 Resp: 709

Ion Ratio Lower Upper

198 100

51 56.3 21.6 61.6

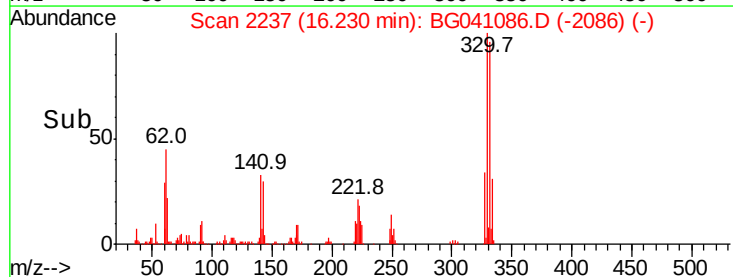
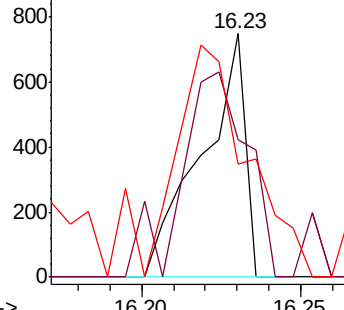
105 46.5 17.5 57.5

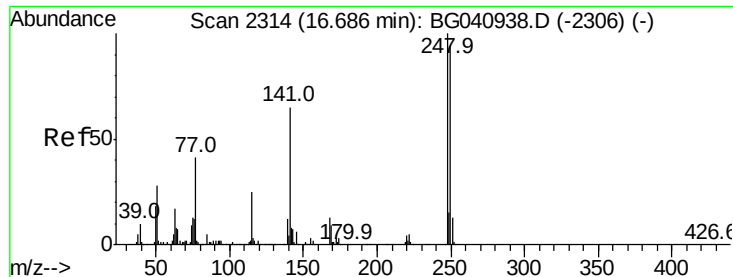


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.161 ng

RT: 16.22 min Scan# 2236

Delta R.T. -0.46 min

Lab File: BG041086.D

Acq: 6 Jun 2019 11:47

Instrument :

BNA_G

ClientSampleId :

W-4

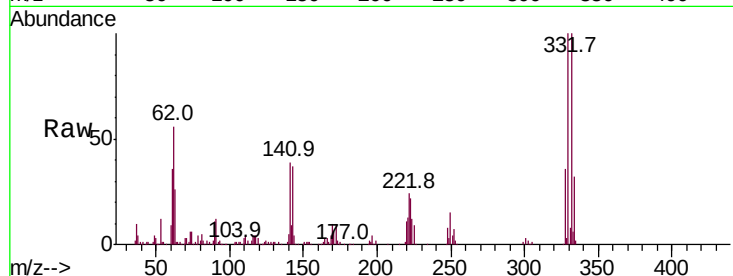
Tot Ion:248 Resp: 15027

Ion Ratio Lower Upper

248 100

250 200.5 75.0 112.4#

141 508.2 52.4 78.6#

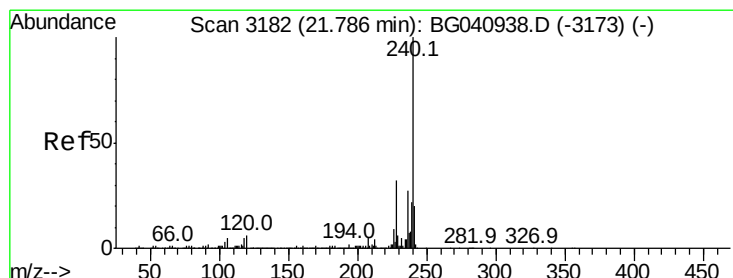
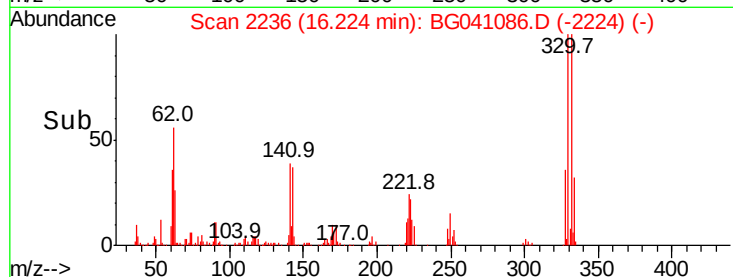
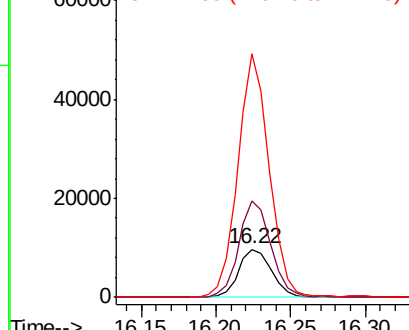


Abundance

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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3179

Delta R.T. -0.02 min

Lab File: BG041086.D

Acq: 6 Jun 2019 11:47

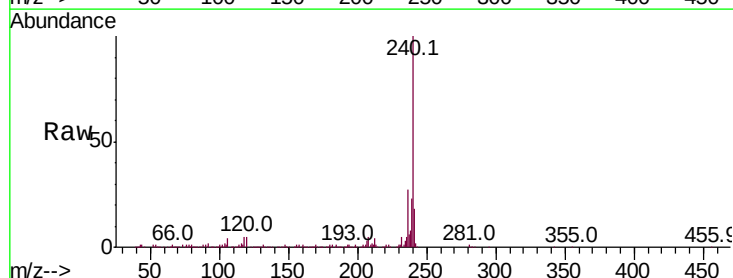
Tgt Ion:240 Resp: 305714

Ion Ratio Lower Upper

240 100

120 4.6 4.5 6.7

236 27.5 21.3 31.9

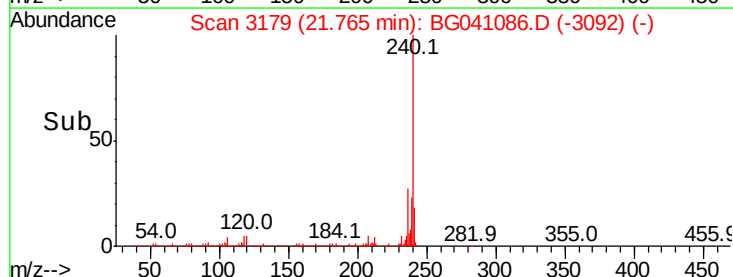
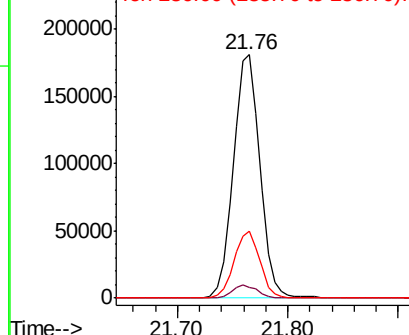


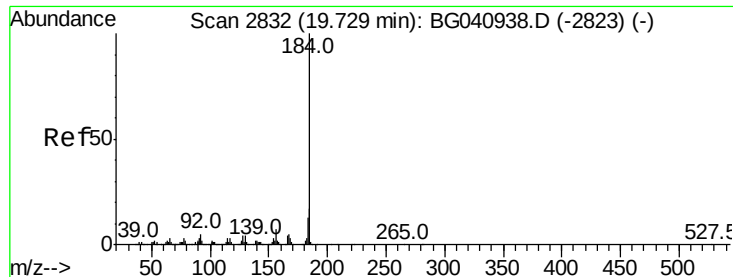
Abundance

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





#77

Benzidine

Concen: 2.808 ng

RT: 20.08 min Scan# 2893

Delta R.T. 0.36 min

Lab File: BG041086.D

Acq: 6 Jun 2019 11:47

Instrument :

BNA_G

ClientSampleId :

W-4

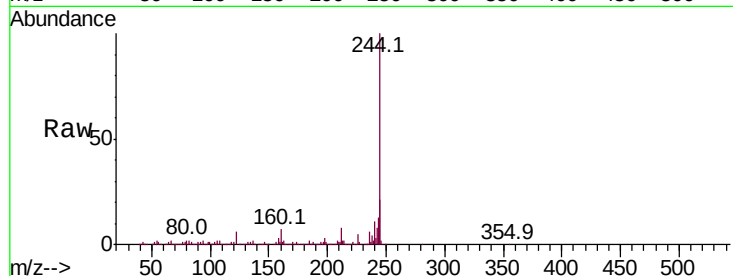
Tot Ion:184 Resp: 20477

Ion Ratio Lower Upper

184 100

185 18.5 13.3 19.9

183 11.1 10.7 16.1

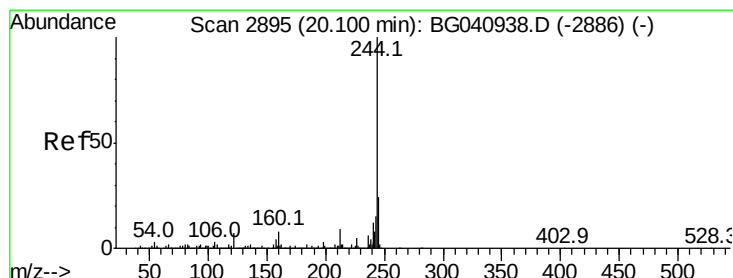
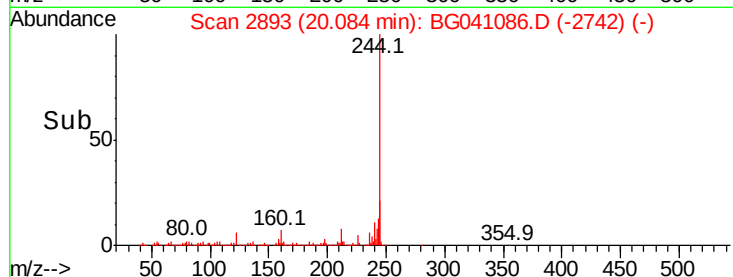
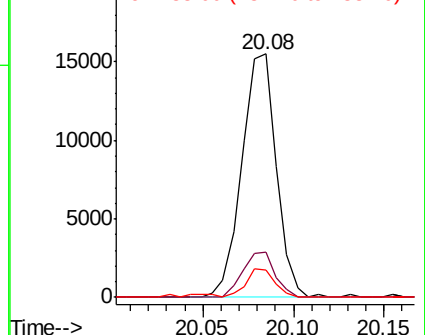


Abundance

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



#79

Terphenyl-d14

Concen: 81.306 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BG041086.D

Acq: 6 Jun 2019 11:47

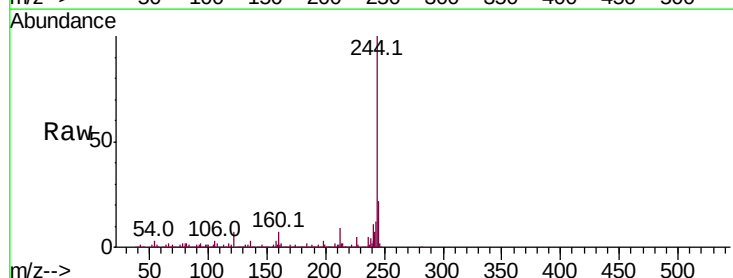
Tgt Ion:244 Resp: 1171177

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.4

122 7.3 5.4 8.0

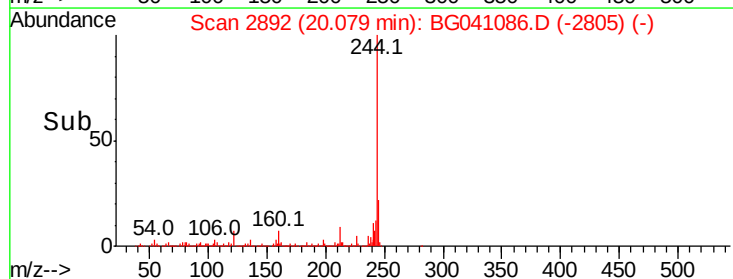
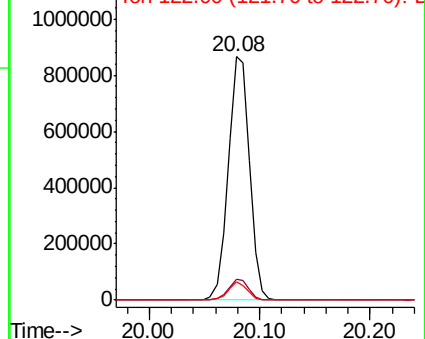


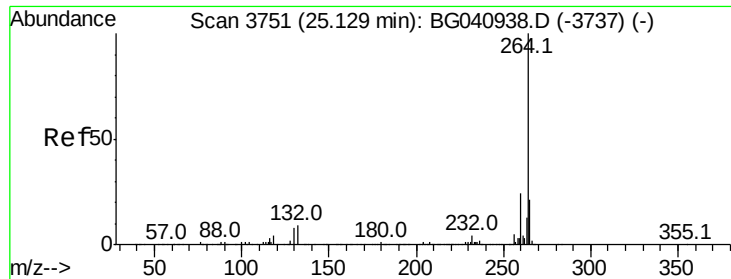
Abundance

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





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.09 min Scan# 3745
Delta R.T. -0.04 min
Lab File: BG041086.D
Acq: 6 Jun 2019 11:47

Instrument :
BNA_G
ClientSampleId :
W-4

Tot Ion:	264	Resp:	332681
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	22.9	17.0	25.4

