

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050719\
 Data File : BG040775.D
 Acq On : 7 May 2019 18:30
 Operator : HP/JU
 Sample : K2697-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-4-20190502

Quant Time: May 08 03:54:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

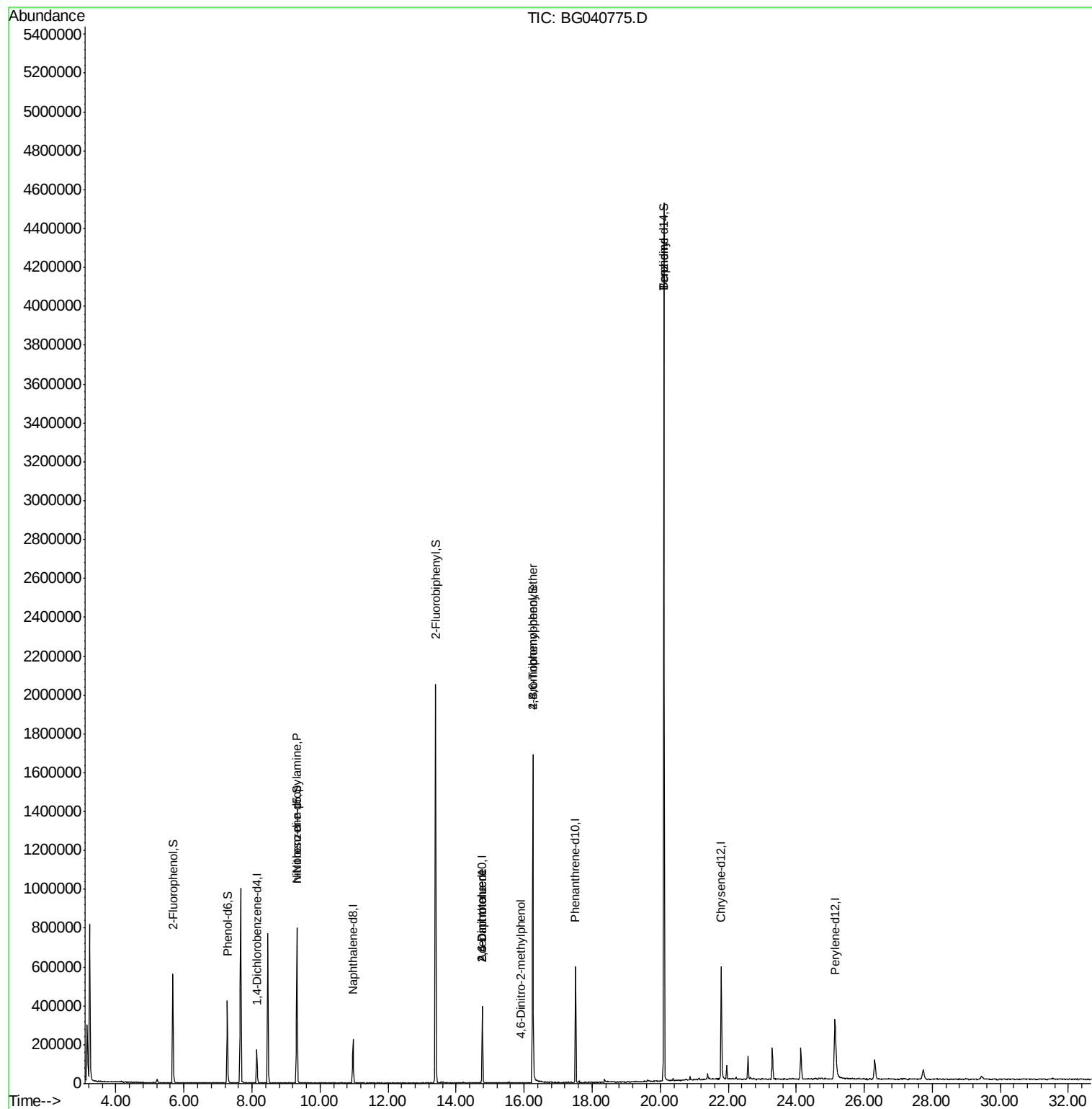
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	44627	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	180696	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	135350	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	362399	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	369731	20.00	ng	-0.03
87) Perylene-d12	25.14	264	349399	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	206068	81.40	ng	-0.01
7) Phenol-d6	7.28	99	210343	53.96	ng	-0.02
23) Nitrobenzene-d5	9.32	82	478711	122.41	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	311885	167.64	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	1040562	111.03	ng	-0.02
79) Terphenyl-d14	20.11	244	2012160	120.57	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.27	77	509	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.32	70	70205	20.008 ng	#	76
51) 2,6-Dinitrotoluene	14.77	165	16647	7.532 ng	#	14
57) 2,4-Dinitrotoluene	14.77	165	16647	5.543 ng	#	16
65) 4,6-Dinitro-2-methylphenol	15.90	198	59	7.129 ng	#	28
67) 4-Bromophenyl-phenylether	16.26	248	22659	5.019 ng	#	1
77) Benizidine	20.11	184	40016	3.953 ng	#	94

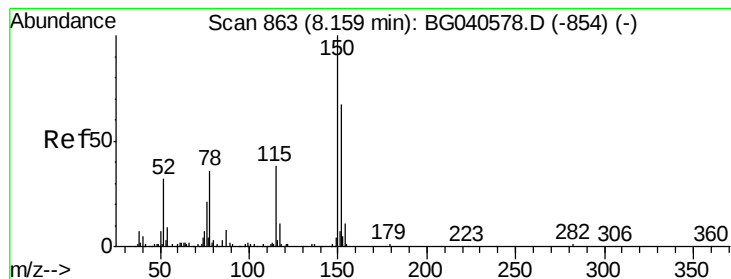
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: BG040775.D

Acq: 7 May 2019 18:30

Instrument :

BNA_G

ClientSampleId :

MW-4-20190502

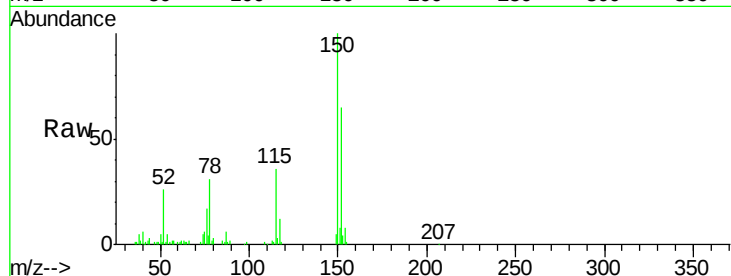
Tot Ion:152 Resp: 44627

Ion Ratio Lower Upper

152 100

150 152.8 120.2 180.2

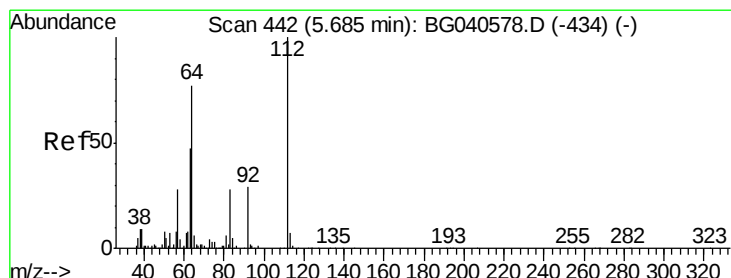
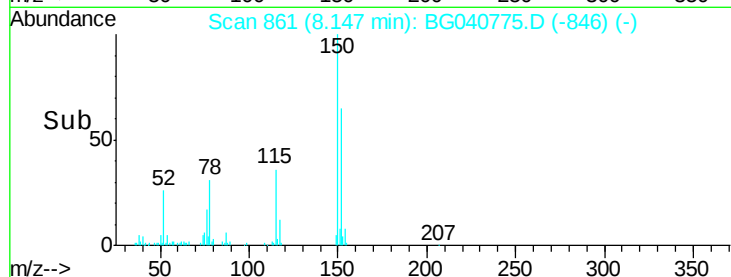
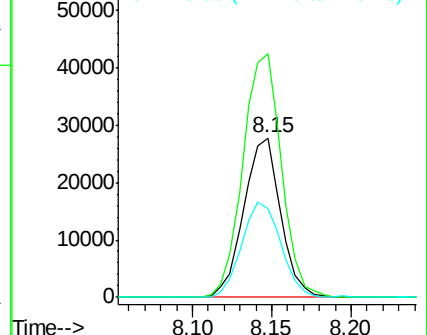
115 55.4 46.2 69.2



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: 81.397 ng

RT: 5.67 min Scan# 440

Delta R.T. -0.01 min

Lab File: BG040775.D

Acq: 7 May 2019 18:30

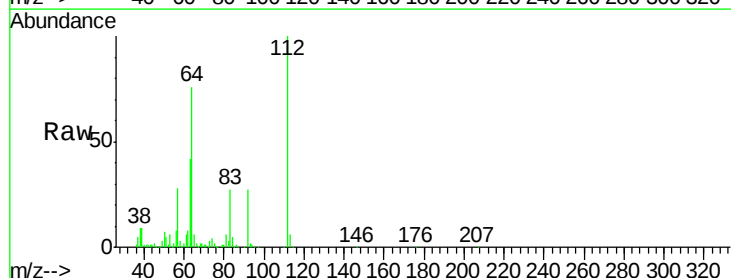
Tgt Ion:112 Resp: 206068

Ion Ratio Lower Upper

112 100

64 75.6 61.4 92.0

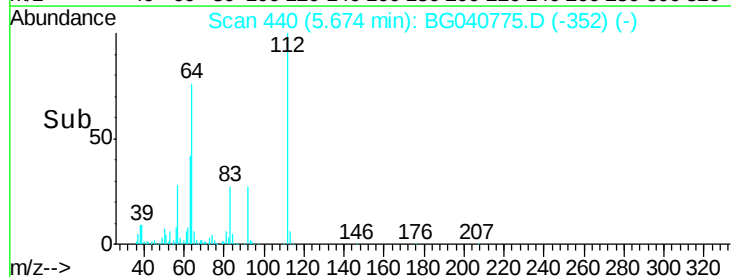
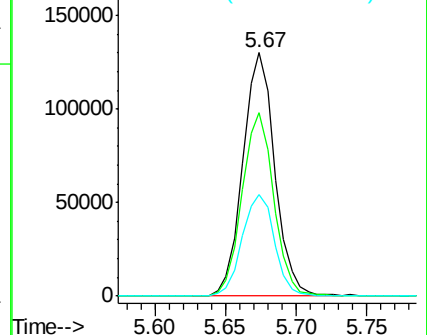
63 41.7 37.8 56.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 53.961 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040775.D

Acq: 7 May 2019 18:30

Instrument :

BNA_G

ClientSampleId :

MW-4-20190502

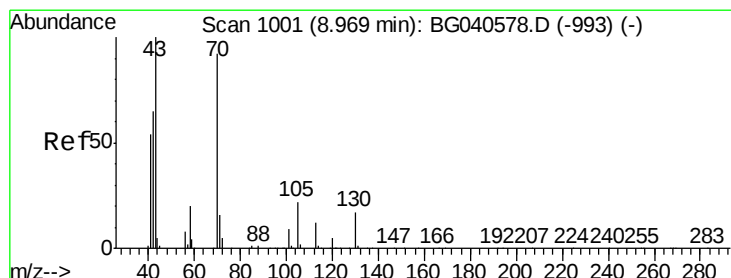
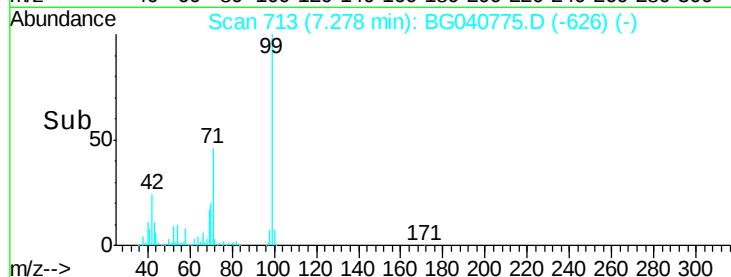
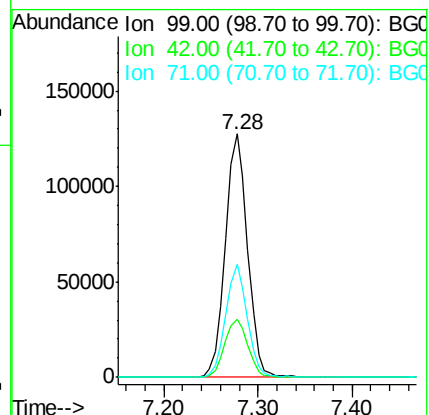
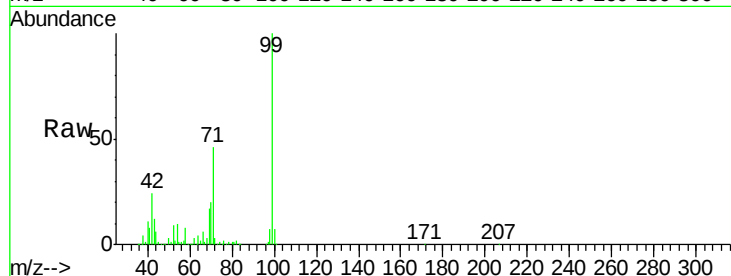
Tot Ion: 99 Resp: 210343

Ion Ratio Lower Upper

99 100

42 23.9 21.8 32.8

71 46.2 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 20.008 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040775.D

Acq: 7 May 2019 18:30

Tgt Ion: 70 Resp: 70205

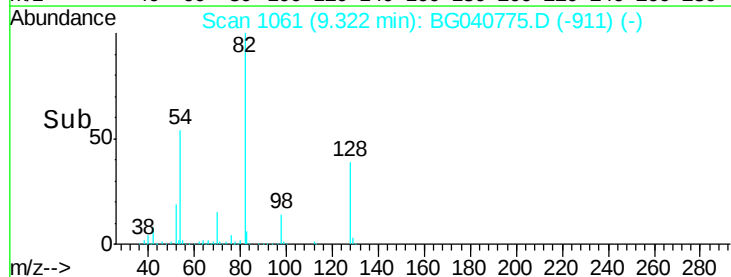
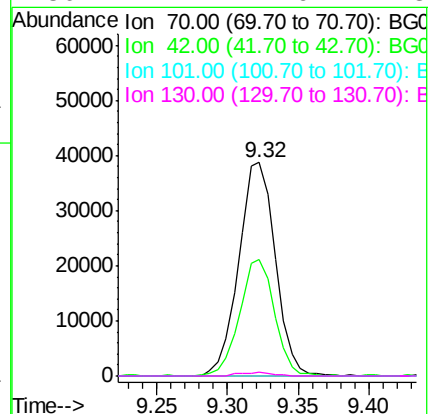
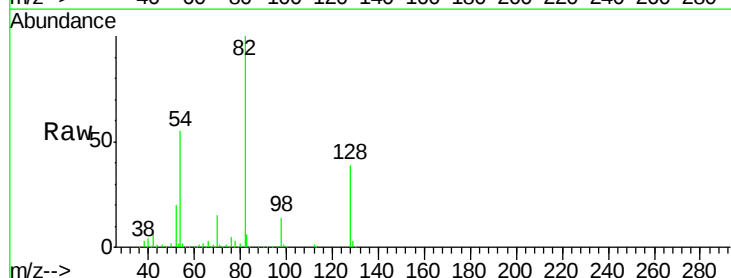
Ion Ratio Lower Upper

70 100

42 54.3 57.1 85.7#

101 0.0 7.8 11.8#

130 1.7 14.6 21.8#

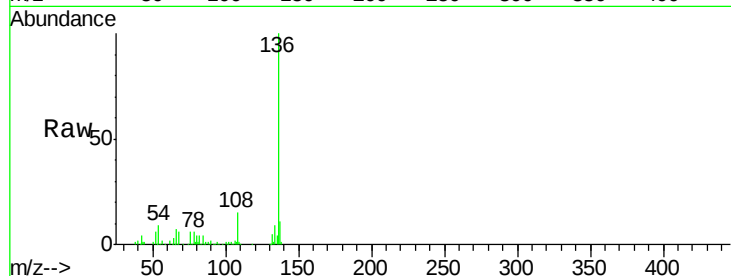




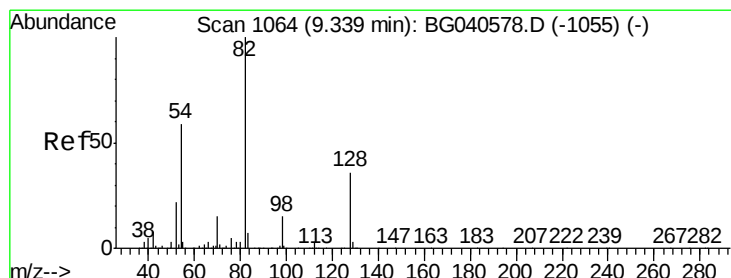
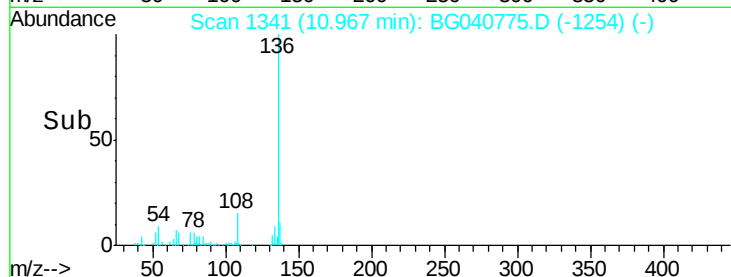
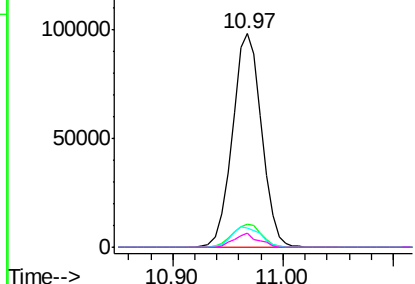
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040775.D
Acq: 7 May 2019 18:30

Instrument :
BNA_G
ClientSampleId :
MW-4-20190502

Tot Ion:136	Resp:	180696
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.7 14.5
54	9.1	8.6 12.8
68	6.4	4.8 7.2

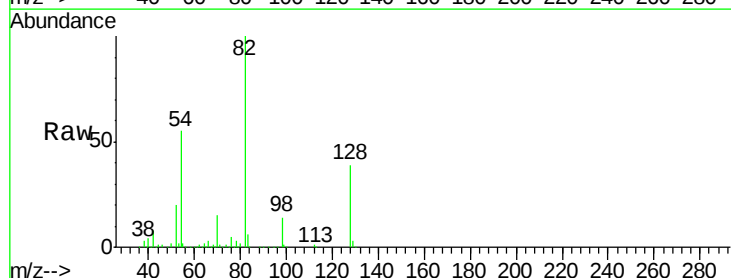


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

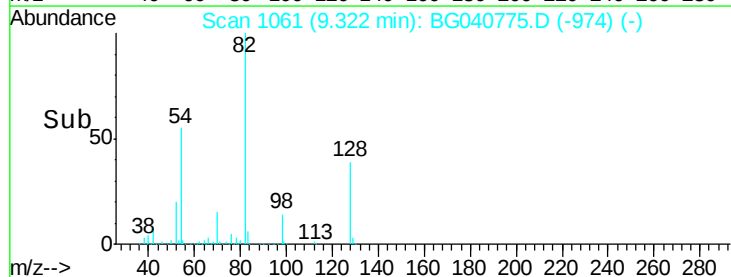
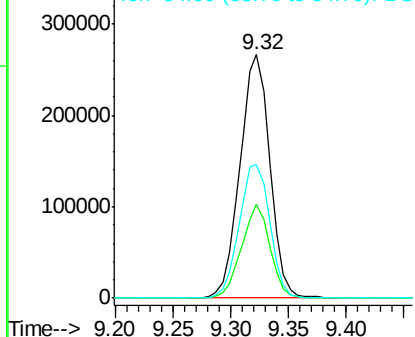


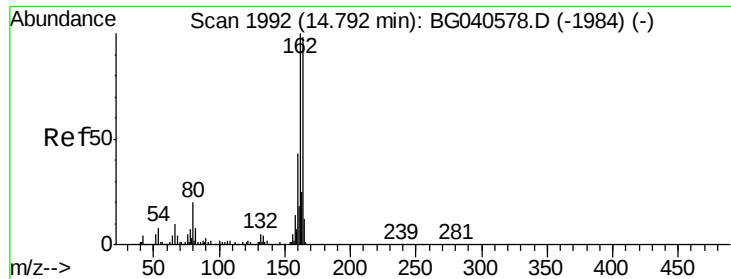
#23
Nitrobenzene-d5
Concen: 122.412 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040775.D
Acq: 7 May 2019 18:30

Tgt Ion: 82	Resp:	478711
Ion	Ratio	Lower Upper
82	100	
128	38.6	28.9 43.3
54	54.7	47.2 70.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040775.D

Acq: 7 May 2019 18:30

Instrument :

BNA_G

ClientSampleId :

MW-4-20190502

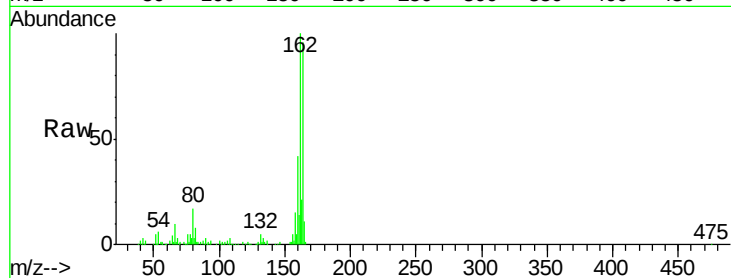
Tot Ion:164 Resp: 135350

Ion Ratio Lower Upper

164 100

162 104.6 81.9 122.9

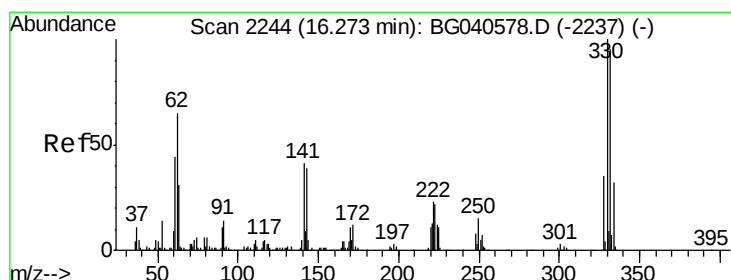
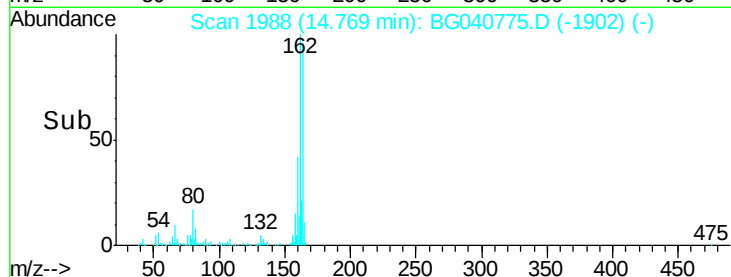
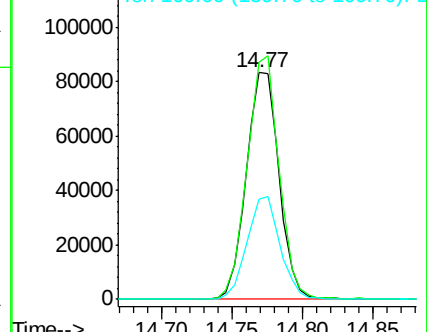
160 44.1 35.4 53.2



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: 167.643 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040775.D

Acq: 7 May 2019 18:30

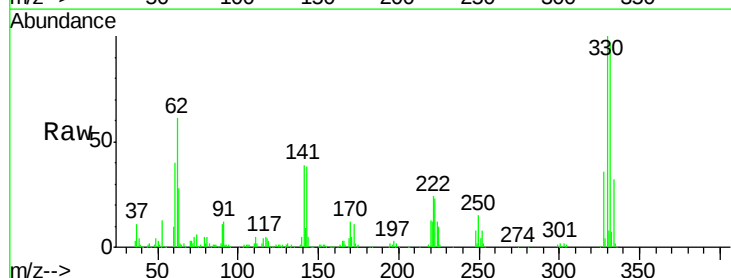
Tgt Ion:330 Resp: 311885

Ion Ratio Lower Upper

330 100

332 94.4 75.9 113.9

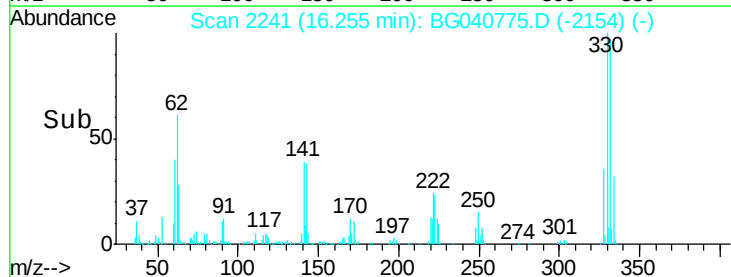
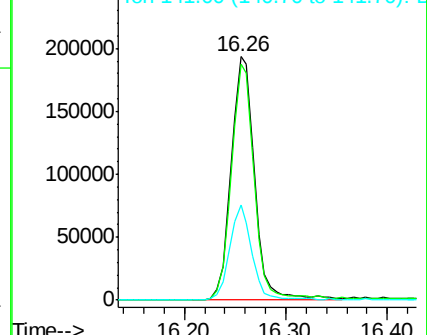
141 37.0 32.4 48.6

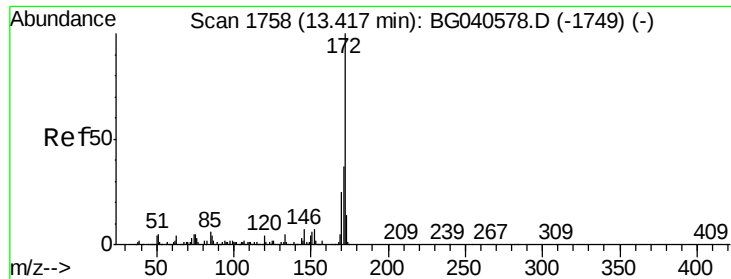


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



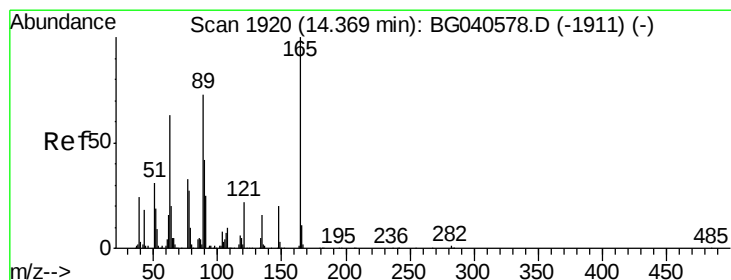
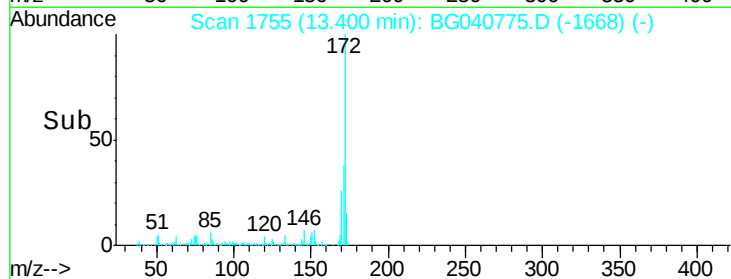
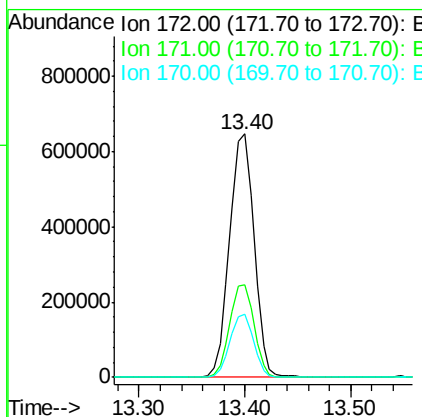
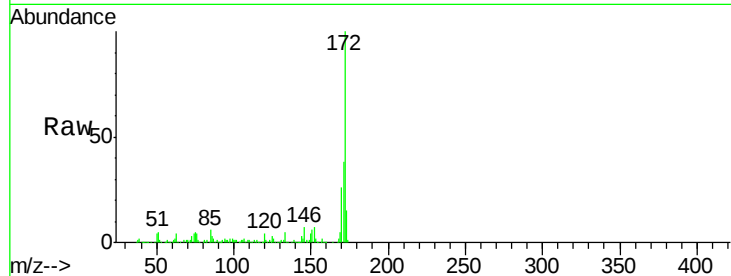


#45
 2-Fluorobiphenyl
 Concen: 111.029 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG040775.D
 Acq: 7 May 2019 18:30

Instrument :
 BNA_G
 ClientSampleId :
 MW-4-20190502

Tot Ion:172 Resp: 1040562

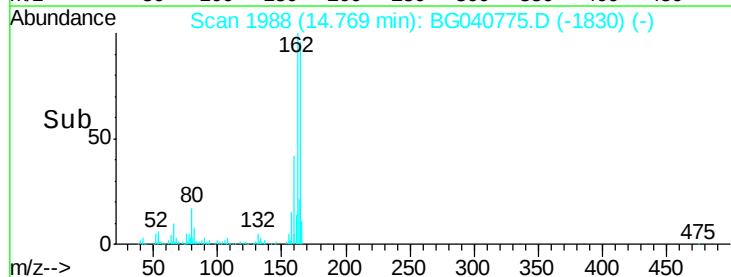
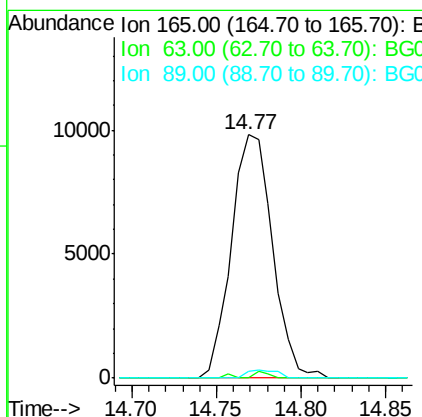
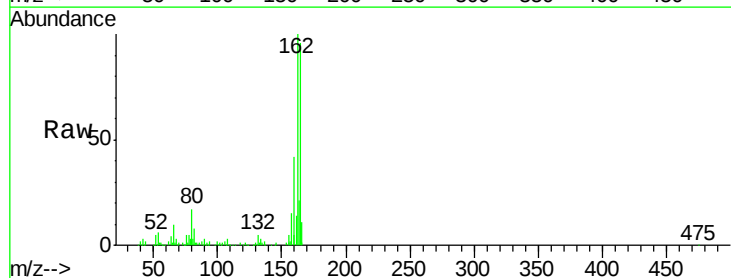
Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.4	44.2
170	25.7	19.9	29.9

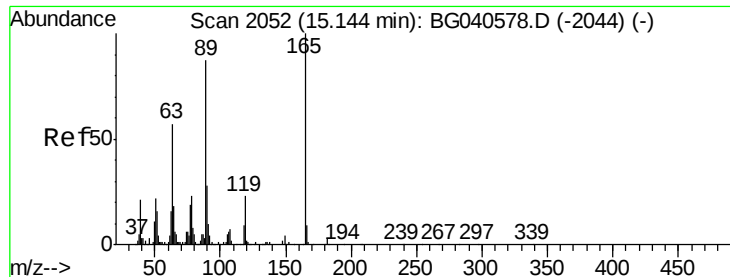


#51
 2,6-Dinitrotoluene
 Concen: 7.532 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040775.D
 Acq: 7 May 2019 18:30

Tgt Ion:165 Resp: 16647

Ion	Ratio	Lower	Upper
165	100		
63	0.0	61.0	91.4#
89	2.8	58.6	87.8#

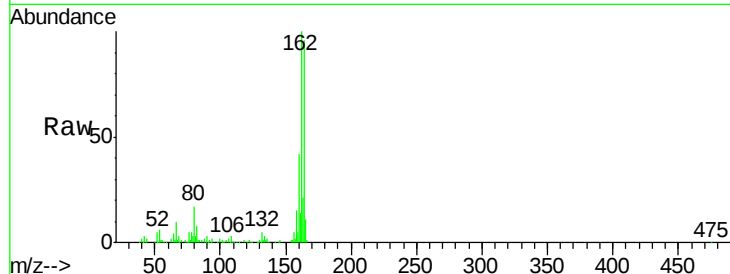




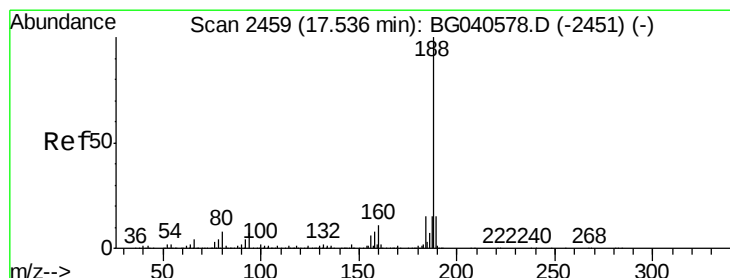
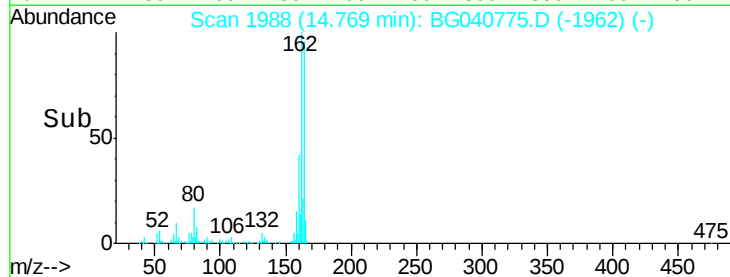
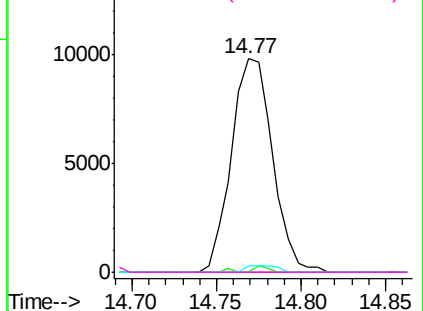
#57
 2,4-Dinitrotoluene
 Concen: 5.543 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040775.D
 Acq: 7 May 2019 18:30

Instrument :
 BNA_G
 ClientSampleId :
 MW-4-20190502

Tot Ion:165 Resp: 16647
 Ion Ratio Lower Upper
 165 100
 63 0.0 45.8 68.8#
 89 2.8 69.4 104.2#
 182 0.0 2.2 3.4#

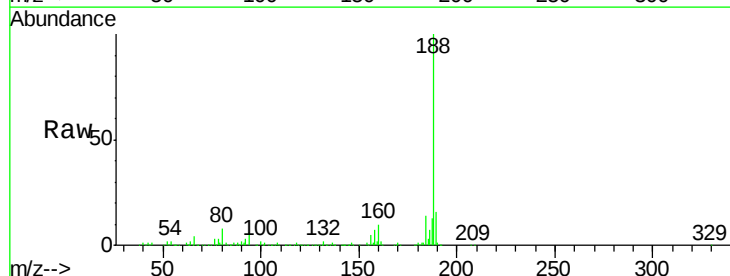


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

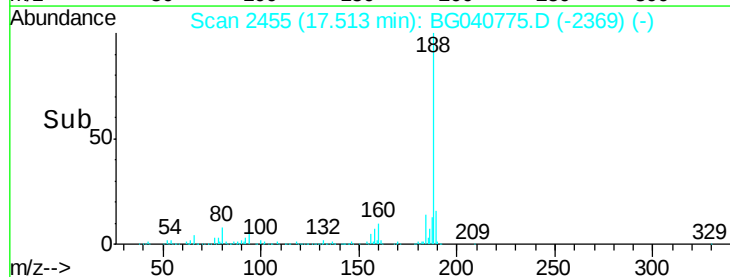
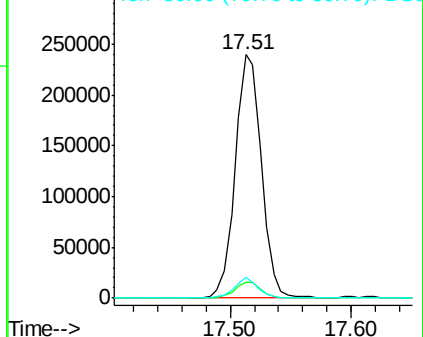


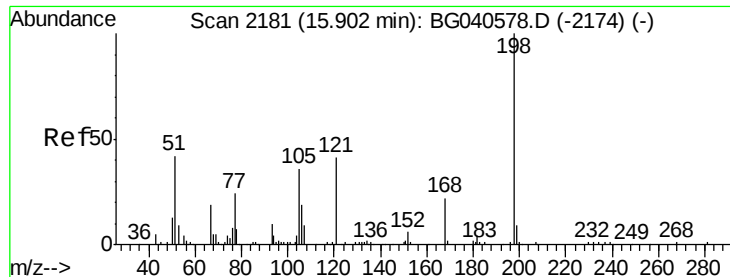
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040775.D
 Acq: 7 May 2019 18:30

Tgt Ion:188 Resp: 362399
 Ion Ratio Lower Upper
 188 100
 94 6.2 5.6 8.4
 80 8.4 6.4 9.6



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: 7.129 ng

RT: 15.90 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BG040775.D

Acq: 7 May 2019 18:30

Instrument :

BNA_G

ClientSampleId :

MW-4-20190502

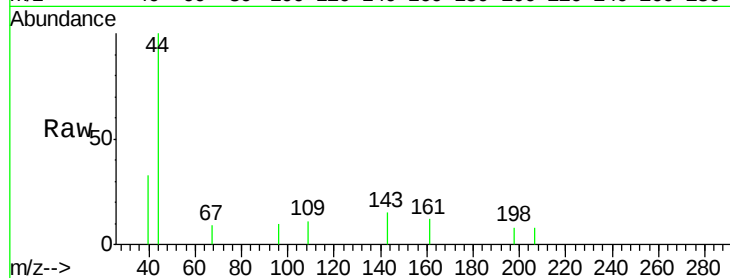
Tot Ion:198 Resp: 59

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

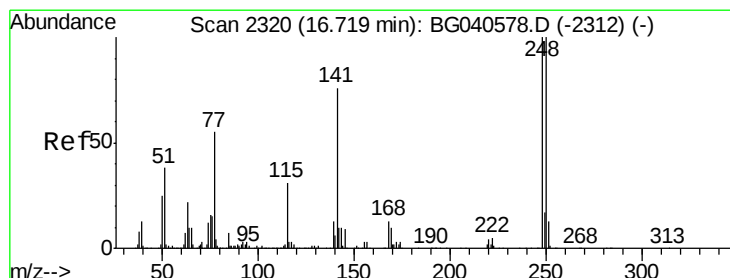
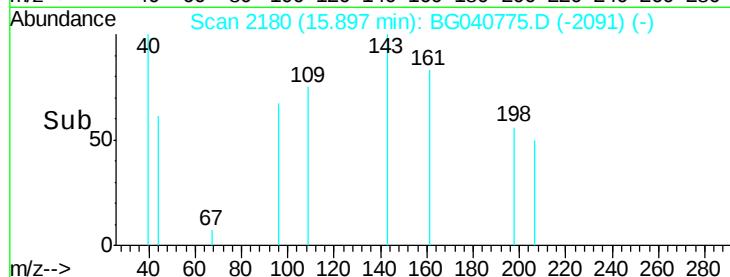
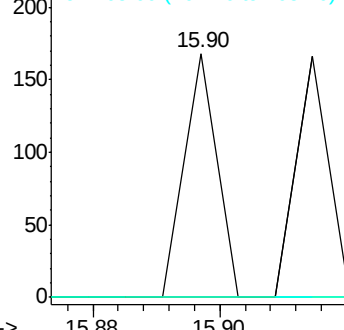
105 0.0 21.2 61.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 5.019 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040775.D

Acq: 7 May 2019 18:30

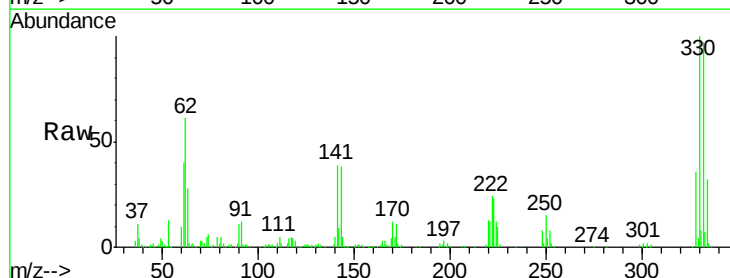
Tgt Ion:248 Resp: 22659

Ion Ratio Lower Upper

248 100

250 185.5 79.8 119.6#

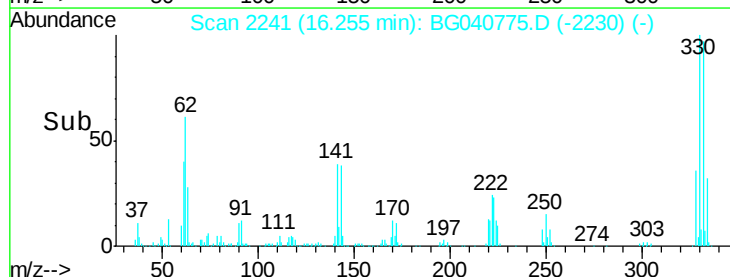
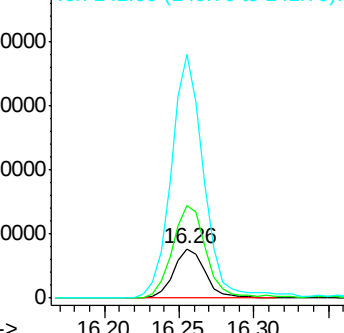
141 490.6 60.8 91.2#

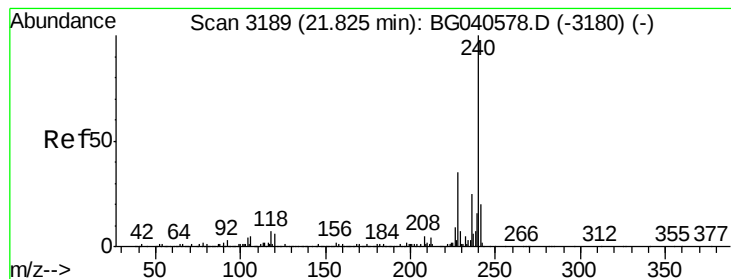


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3184

Delta R.T. -0.03 min

Lab File: BG040775.D

Acq: 7 May 2019 18:30

Instrument :

BNA_G

ClientSampleId :

MW-4-20190502

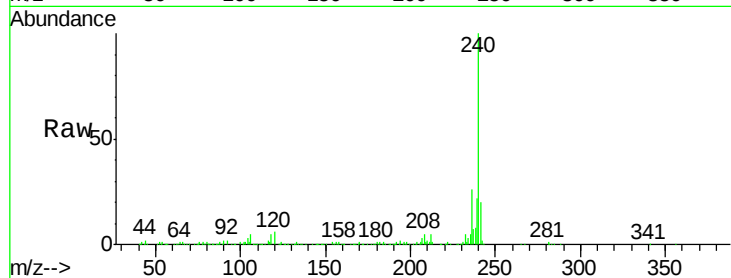
Tot Ion:240 Resp: 369731

Ion Ratio Lower Upper

240 100

120 5.9 5.0 7.6

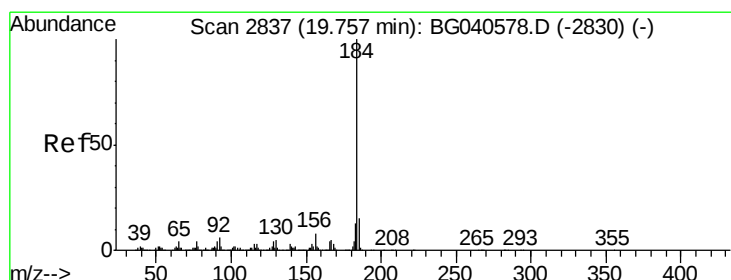
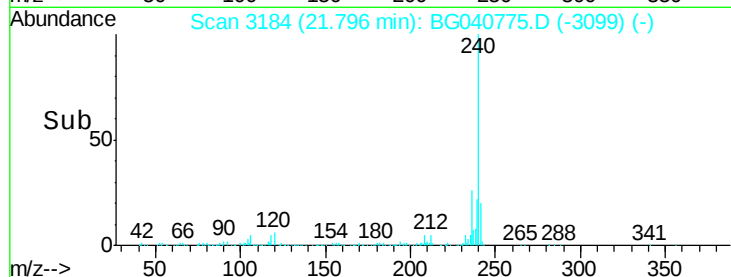
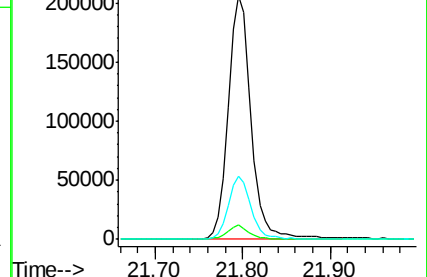
236 26.2 20.3 30.5



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: 3.953 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040775.D

Acq: 7 May 2019 18:30

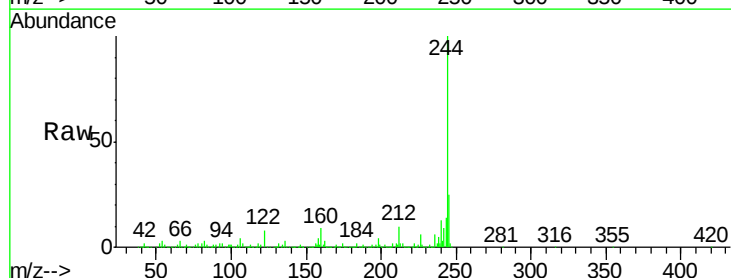
Tgt Ion:184 Resp: 40016

Ion Ratio Lower Upper

184 100

185 14.7 11.8 17.8

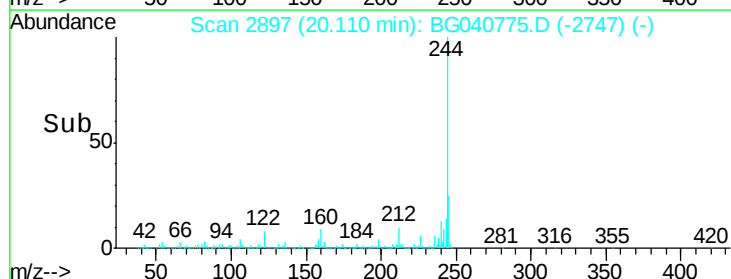
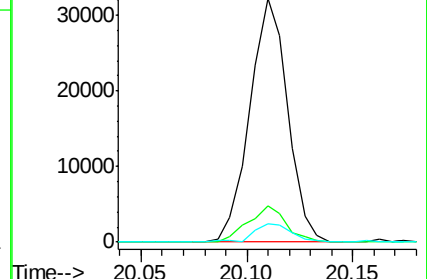
183 7.4 10.2 15.2#

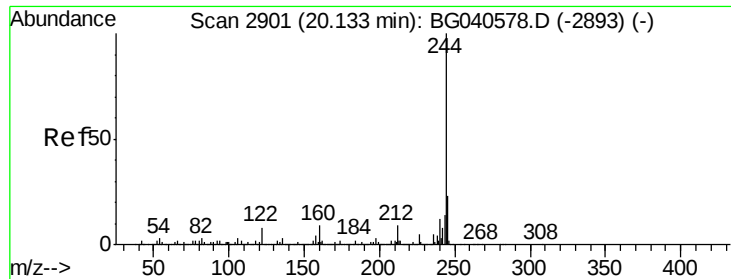


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 120.568 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040775.D

Acq: 7 May 2019 18:30

Instrument :

BNA_G

ClientSampleId :

MW-4-20190502

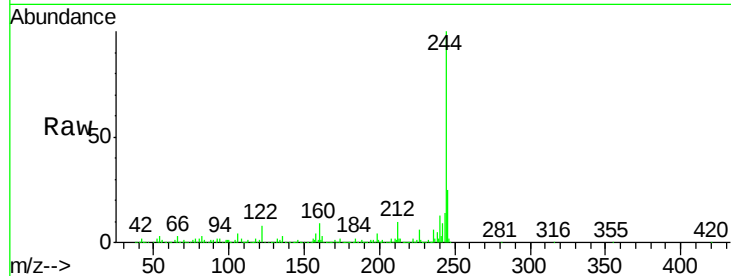
Tot Ion:244 Resp: 2012160

Ion Ratio Lower Upper

244 100

212 9.8 7.2 10.8

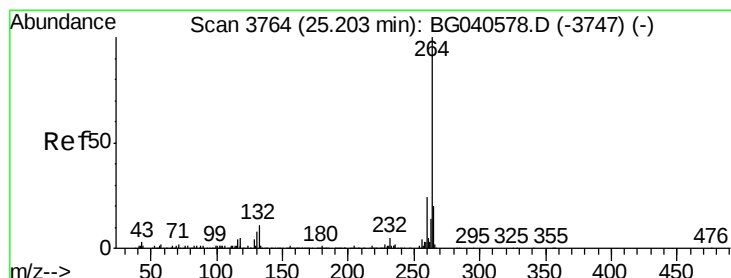
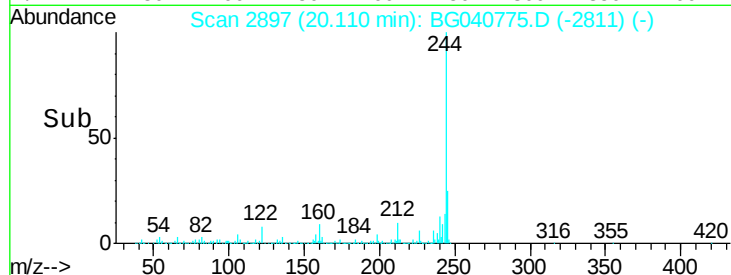
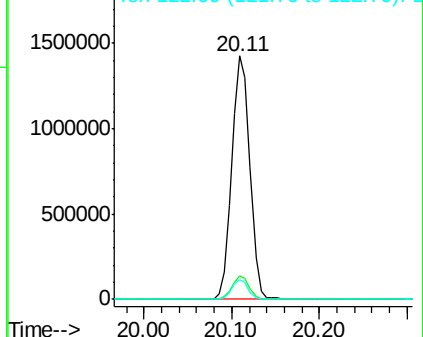
122 8.2 6.6 10.0



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

Perylene-d12

Concen: 20.000 ng

RT: 25.14 min Scan# 3754

Delta R.T. -0.06 min

Lab File: BG040775.D

Acq: 7 May 2019 18:30

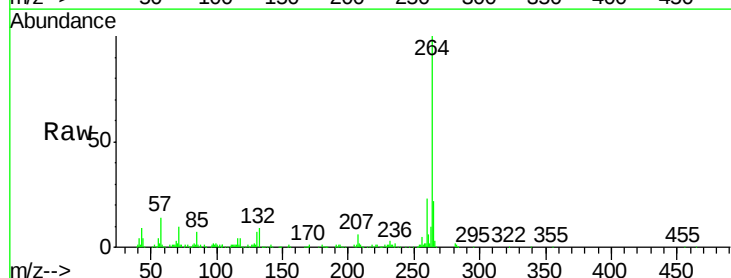
Tgt Ion:264 Resp: 349399

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

265 22.0 16.6 25.0



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

