

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050819\
 Data File : BG040806.D
 Acq On : 9 May 2019 4:33
 Operator : HP/JU
 Sample : PB119548BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB119548BL

Quant Time: May 09 05:39:30 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

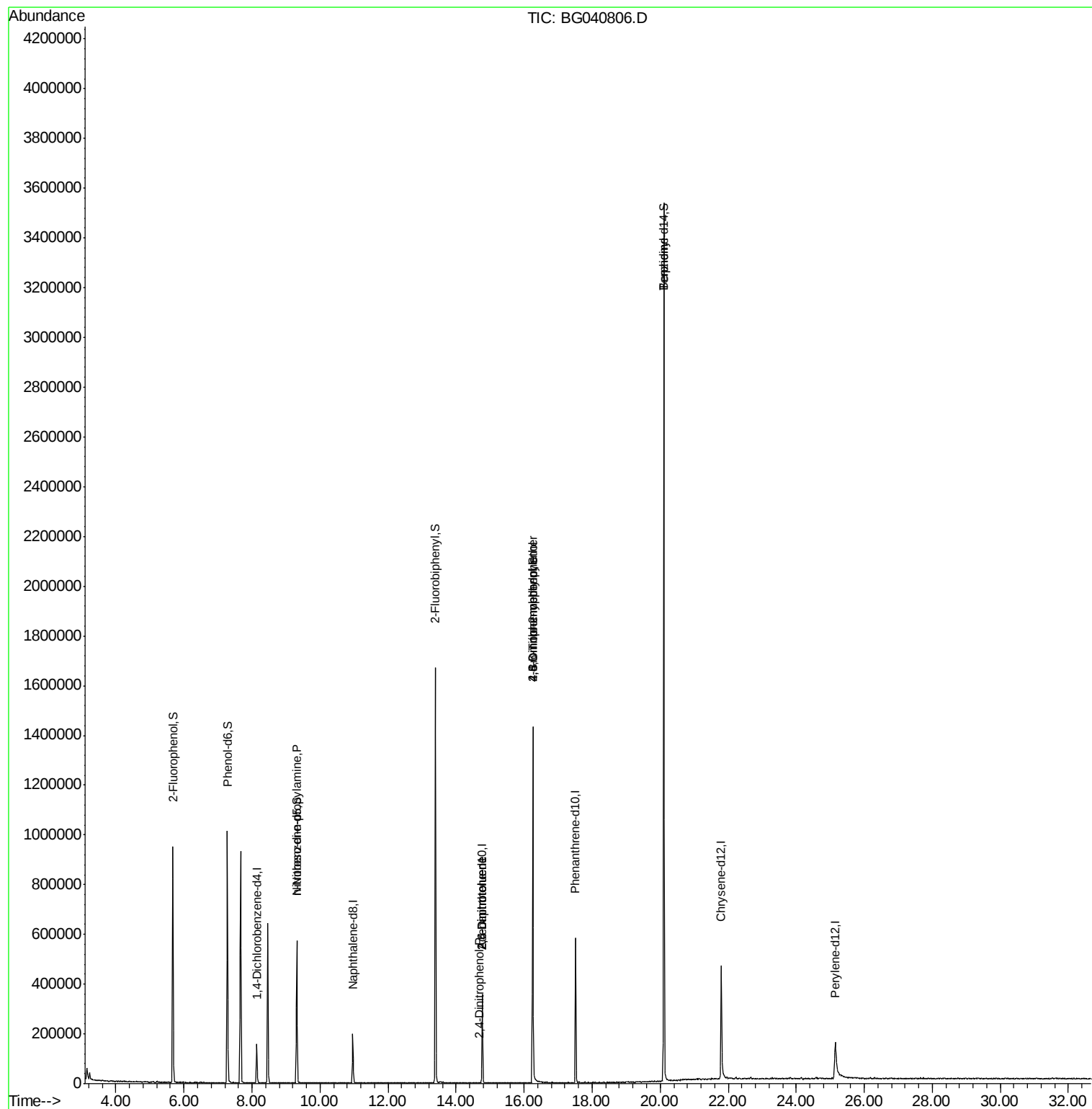
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	39977	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	156417	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	120747	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	357834	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	345323	20.00	ng	-0.03
87) Perylene-d12	25.15	264	253322	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	341097	150.40	ng	-0.01
7) Phenol-d6	7.28	99	507383	145.30	ng	-0.02
23) Nitrobenzene-d5	9.32	82	348671	103.00	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	264989	159.66	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	796518	95.27	ng	-0.02
79) Terphenyl-d14	20.11	244	1674747	107.44	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1409	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.32	70	48844	15.539	ng	# 74
51) 2,6-Dinitrotoluene	14.77	165	15935	8.082	ng	# 13
54) 2,4-Dinitrophenol	14.67	184	71	7.073	ng	# 21
57) 2,4-Dinitrotoluene	14.77	165	15935	5.948	ng	# 15
65) 4,6-Dinitro-2-methylphenol	16.25	198	712	7.445	ng	# 70
67) 4-Bromophenyl-phenylether	16.25	248	19481	4.370	ng	# 1
77) Benzydine	20.11	184	29184	3.087	ng	# 92

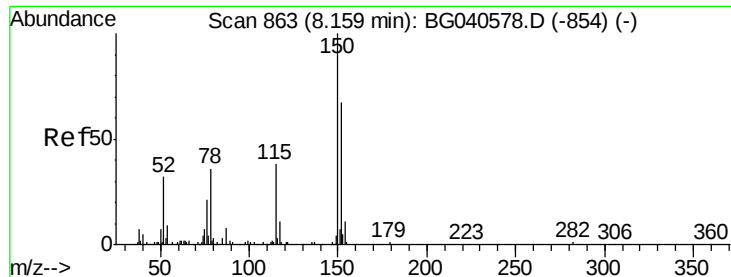
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.02 min

Lab File: BG040806.D

Acq: 9 May 2019 4:33

Instrument :

BNA_G

ClientSampleId :

PB119548BL

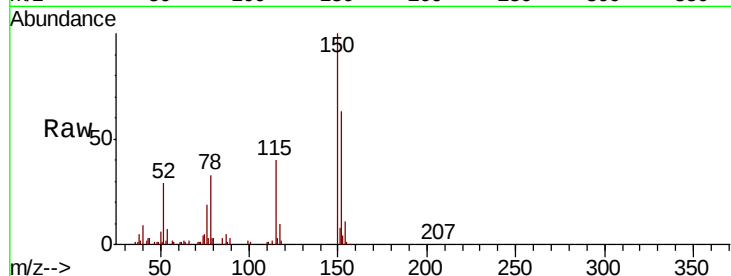
Tgt Ion:152 Resp: 39977

Ion Ratio Lower Upper

152 100

150 159.3 120.2 180.2

115 63.2 46.2 69.2

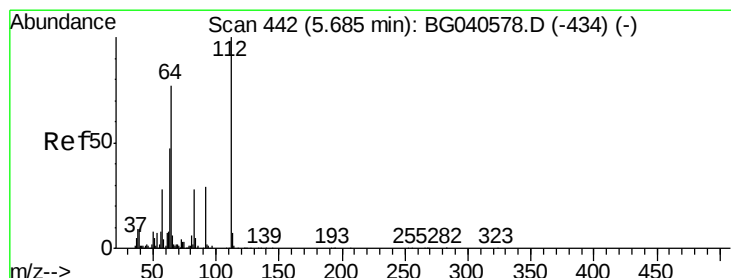
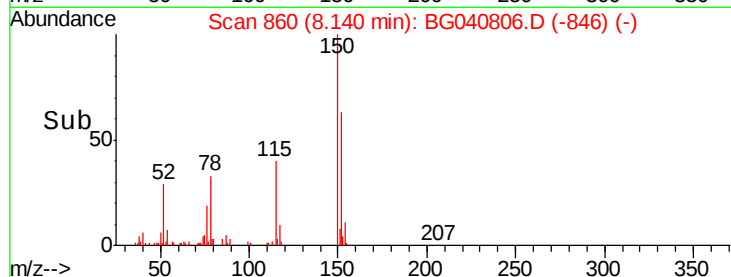
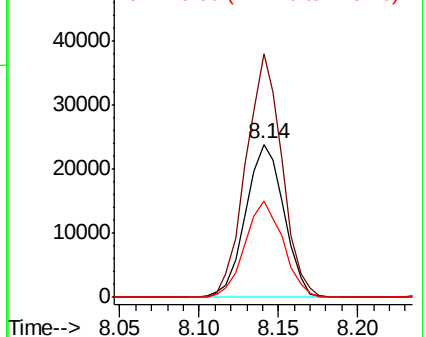


Abundance

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: 150.405 ng

RT: 5.67 min Scan# 440

Delta R.T. -0.01 min

Lab File: BG040806.D

Acq: 9 May 2019 4:33

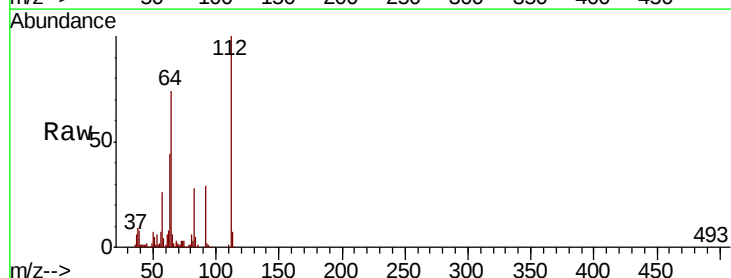
Tgt Ion:112 Resp: 341097

Ion Ratio Lower Upper

112 100

64 74.2 61.4 92.0

63 43.8 37.8 56.6

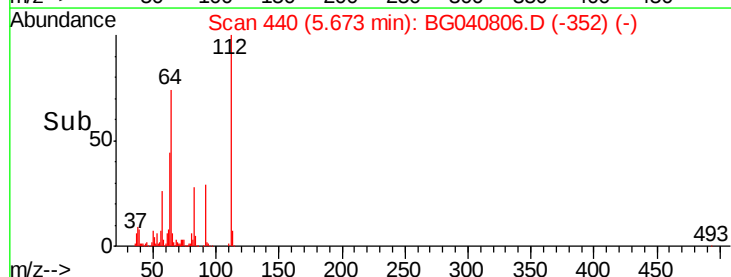
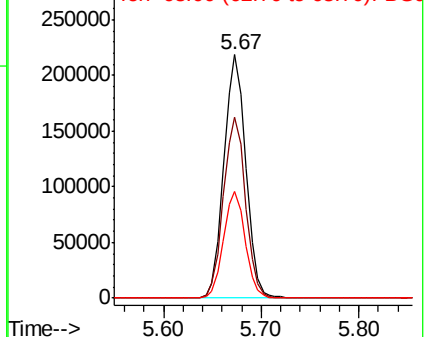


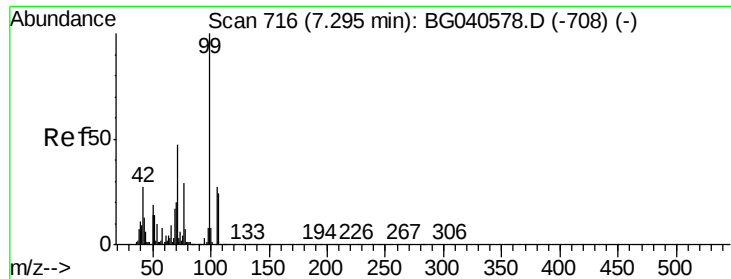
Abundance

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: 145.305 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040806.D

Acq: 9 May 2019 4:33

Instrument :

BNA_G

ClientSampleId :

PB119548BL

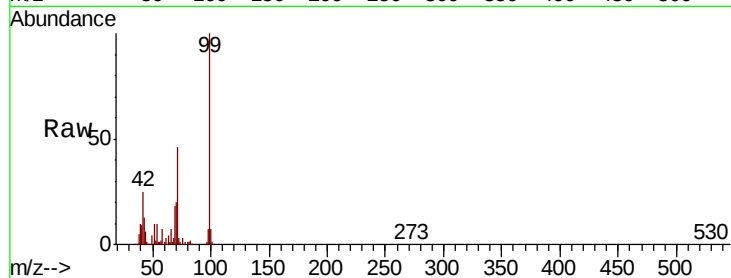
Tgt Ion: 99 Resp: 507383

Ion Ratio Lower Upper

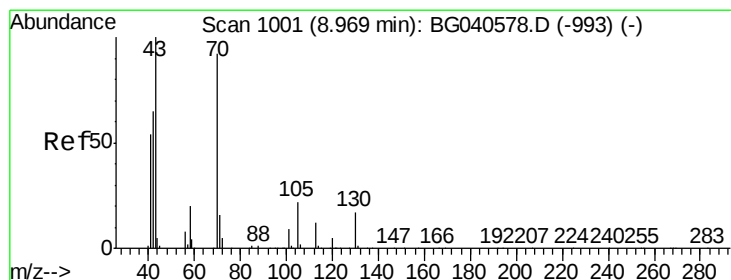
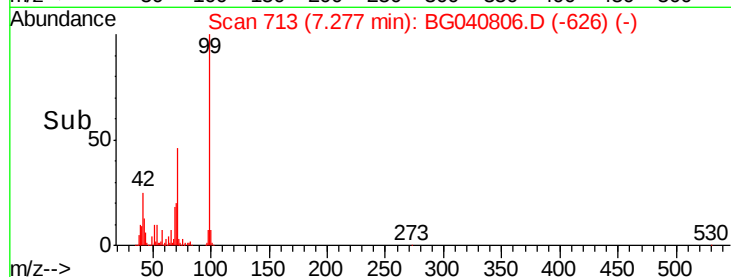
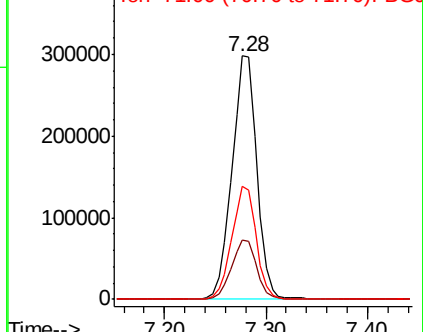
99 100

42 24.6 21.8 32.8

71 46.2 38.6 57.8



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: 15.539 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040806.D

Acq: 9 May 2019 4:33

Tgt Ion: 70 Resp: 48844

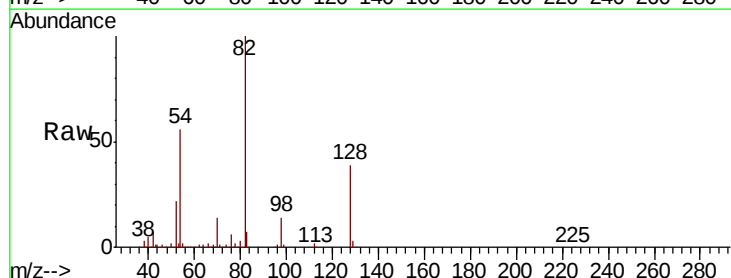
Ion Ratio Lower Upper

70 100

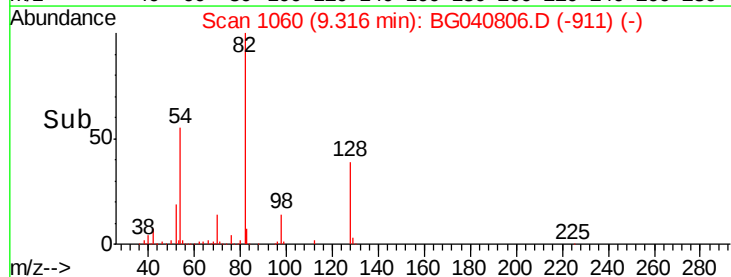
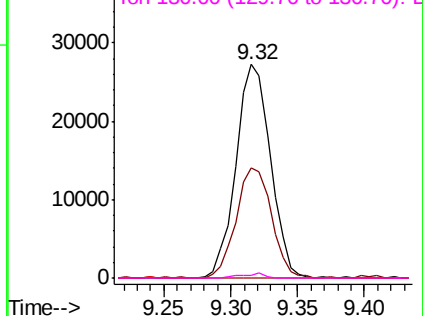
42 51.8 57.1 85.7#

101 0.0 7.8 11.8#

130 1.5 14.6 21.8#



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

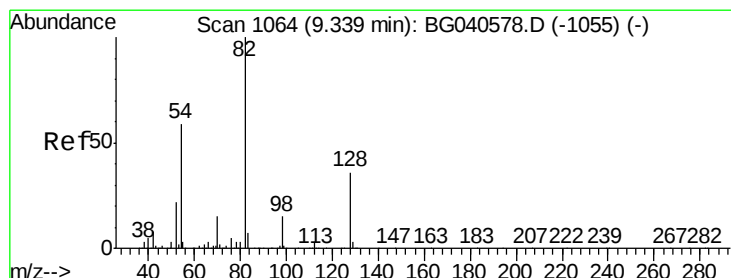
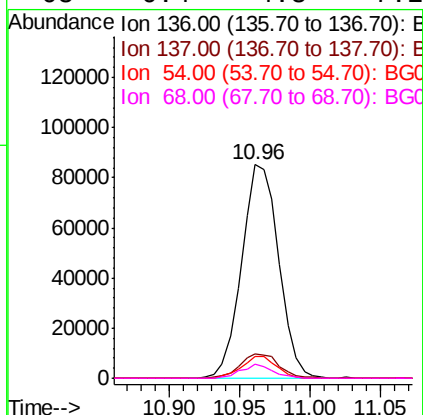
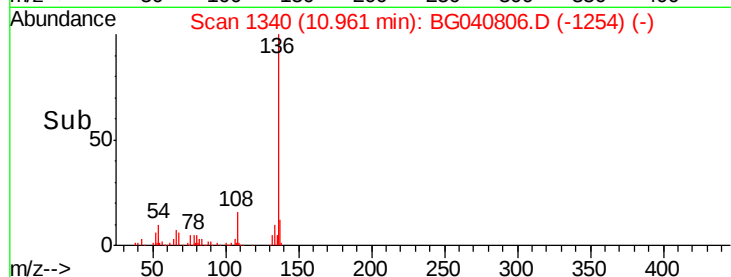
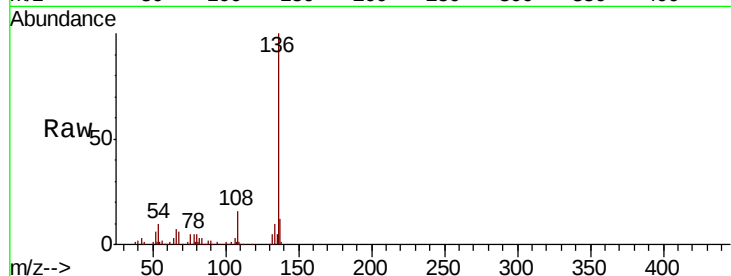




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040806.D
Acq: 9 May 2019 4:33

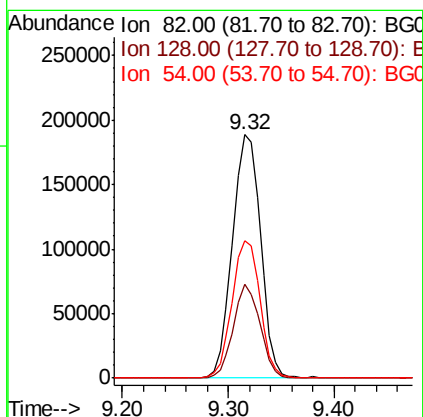
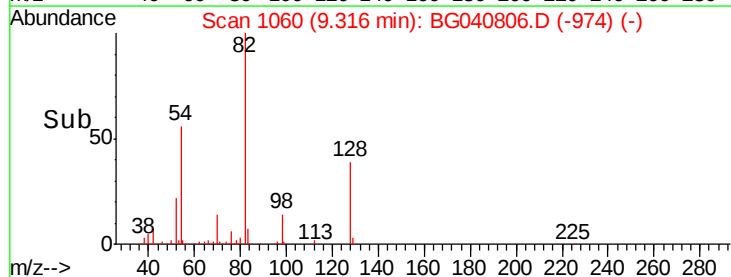
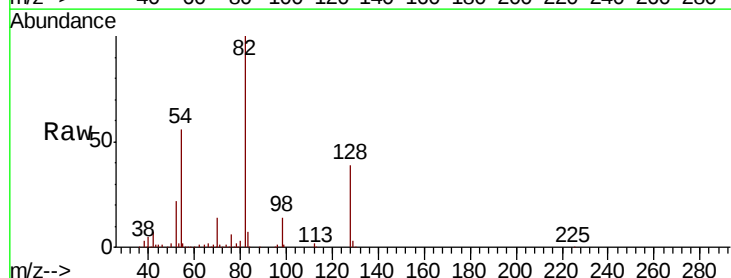
Instrument :
BNA_G
ClientSampleId :
PB119548BL

Tgt Ion:	136	Resp:	156417
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.7	14.5
54	10.3	8.6	12.8
68	6.4	4.8	7.2



#23
Nitrobenzene-d5
Concen: 102.999 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040806.D
Acq: 9 May 2019 4:33

Tgt Ion:	82	Resp:	348671
Ion	Ratio	Lower	Upper
82	100		
128	38.7	28.9	43.3
54	56.2	47.2	70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040806.D

Acq: 9 May 2019 4:33

Instrument :

BNA_G

ClientSampleId :

PB119548BL

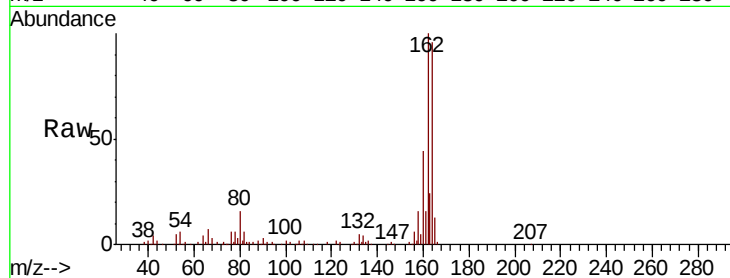
Tgt Ion:164 Resp: 120747

Ion Ratio Lower Upper

164 100

162 103.7 81.9 122.9

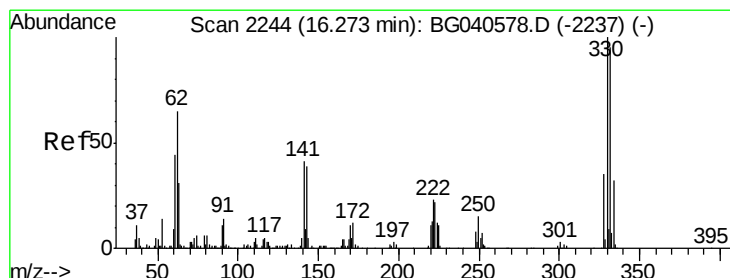
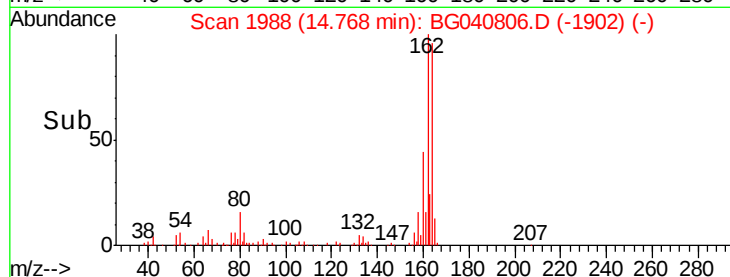
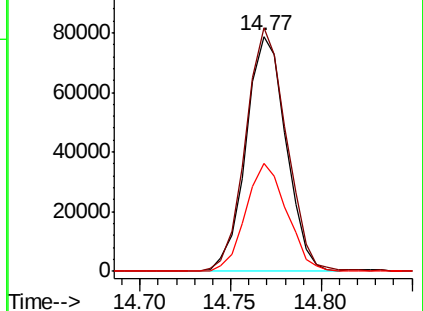
160 46.0 35.4 53.2



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: 159.661 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040806.D

Acq: 9 May 2019 4:33

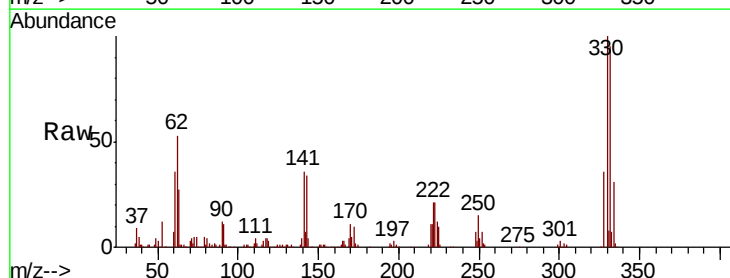
Tgt Ion:330 Resp: 264989

Ion Ratio Lower Upper

330 100

332 97.2 75.9 113.9

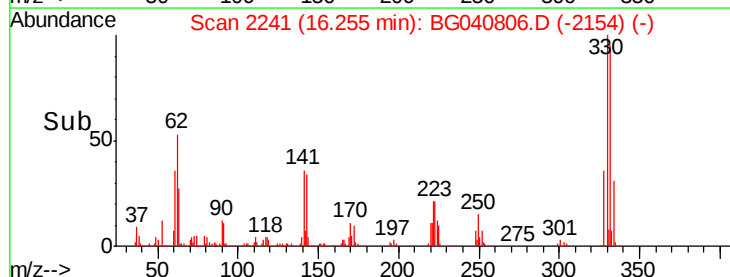
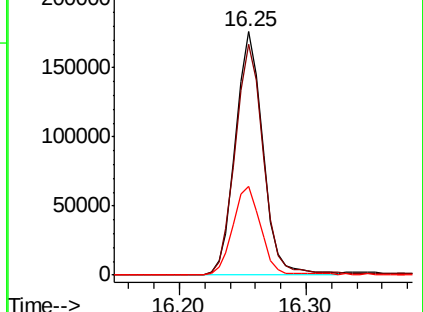
141 37.6 32.4 48.6



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

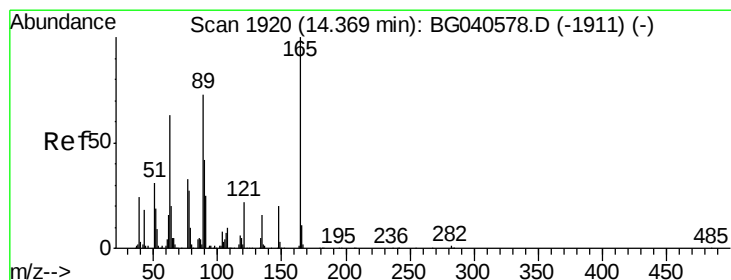
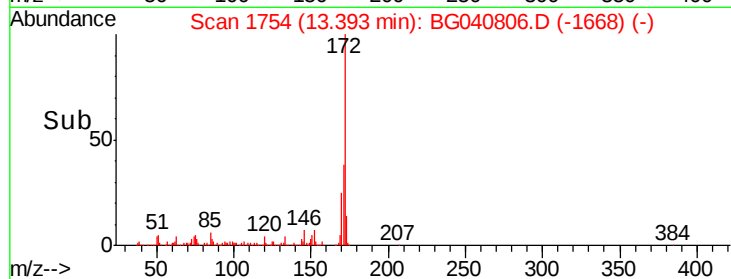
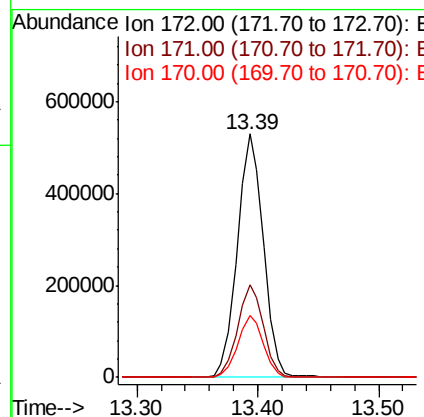
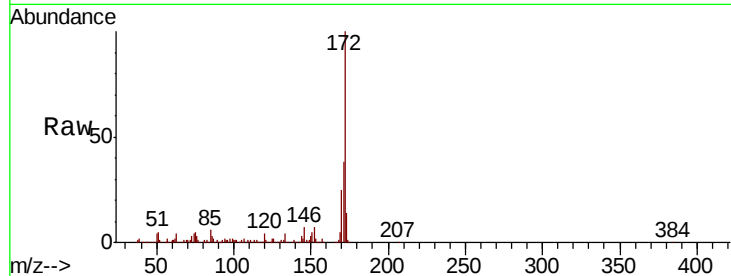




#45
 2-Fluorobiphenyl
 Concen: 95.268 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040806.D
 Acq: 9 May 2019 4:33

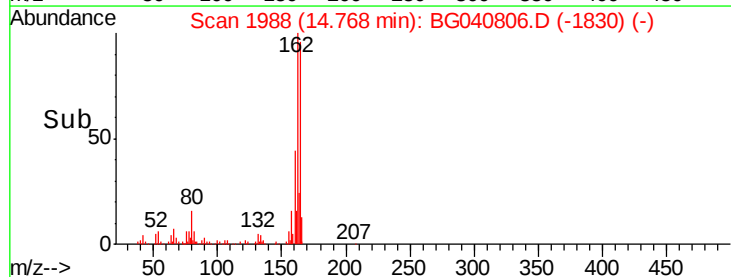
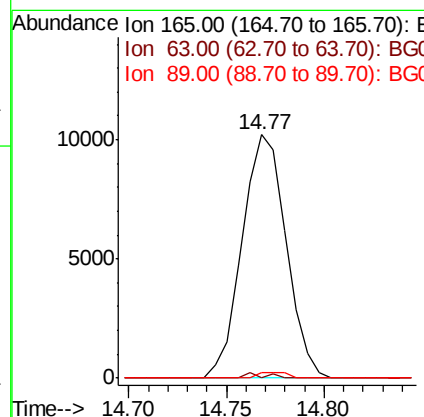
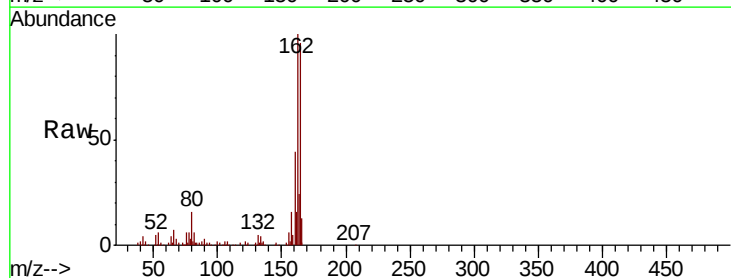
Instrument :
 BNA_G
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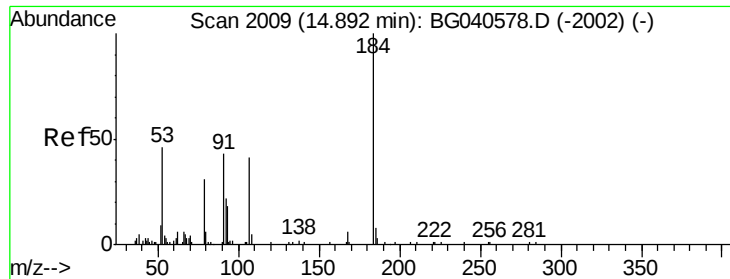
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.4	44.2
170	25.4	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 8.082 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040806.D
 Acq: 9 May 2019 4:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	61.0	91.4#
89	2.2	58.6	87.8#

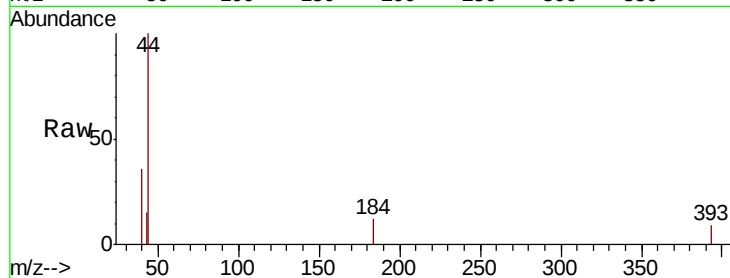




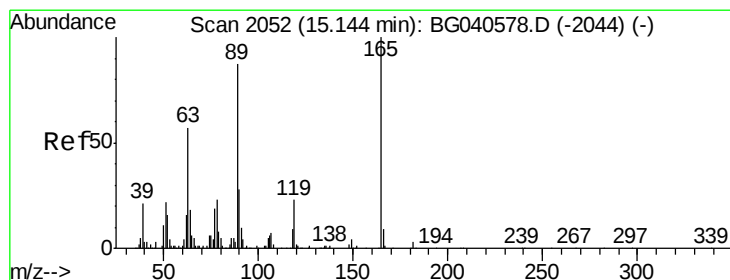
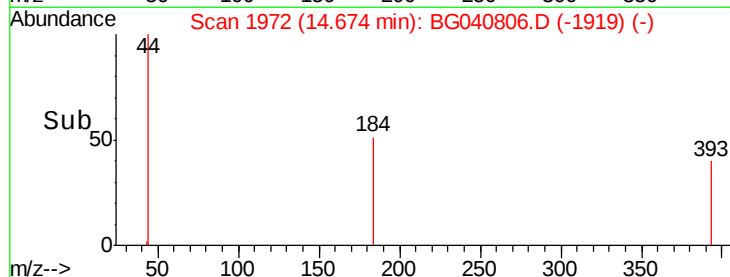
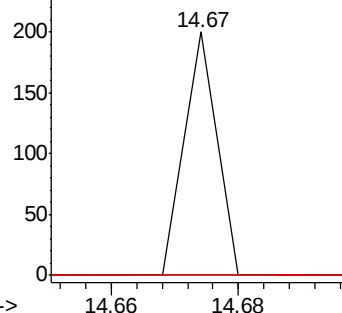
#54
2,4-Dinitrophenol
Concen: 7.073 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.22 min
Lab File: BG040806.D
Acq: 9 May 2019 4:33

Instrument :
BNA_G
ClientSampleId :
PB119548BL

Tgt Ion:184 Resp: 71
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#

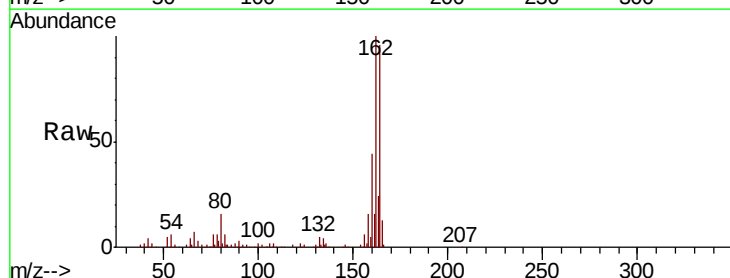


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 154.00 (153.70 to 154.70): E

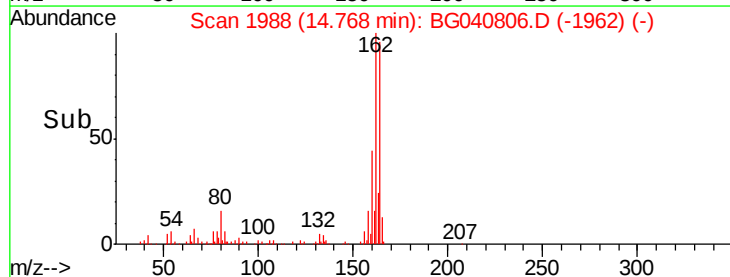
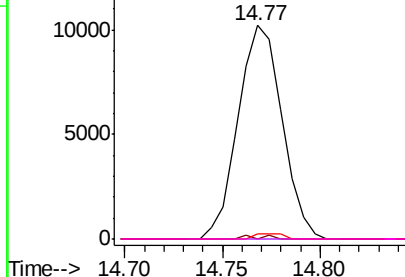


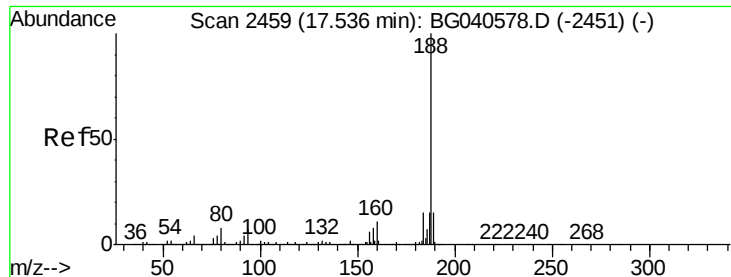
#57
2,4-Dinitrotoluene
Concen: 5.948 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.38 min
Lab File: BG040806.D
Acq: 9 May 2019 4:33

Tgt Ion:165 Resp: 15935
Ion Ratio Lower Upper
165 100
63 0.0 45.8 68.8#
89 2.2 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): BG0
Ion 89.00 (88.70 to 89.70): BG0
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: BG040806.D

Acq: 9 May 2019 4:33

Instrument :

BNA_G

ClientSampleId :

PB119548BL

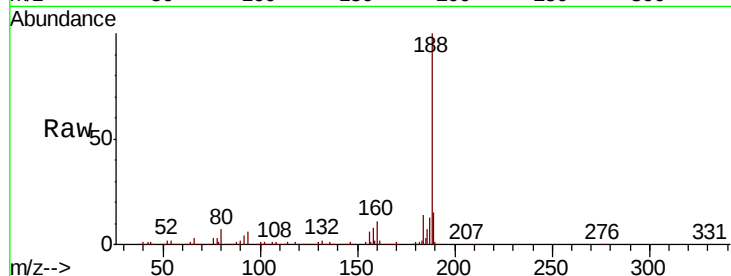
Tgt Ion:188 Resp: 357834

Ion Ratio Lower Upper

188 100

94 5.9 5.6 8.4

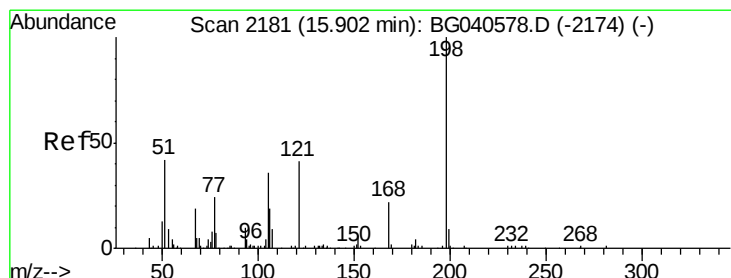
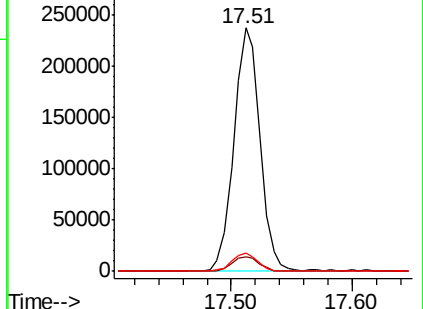
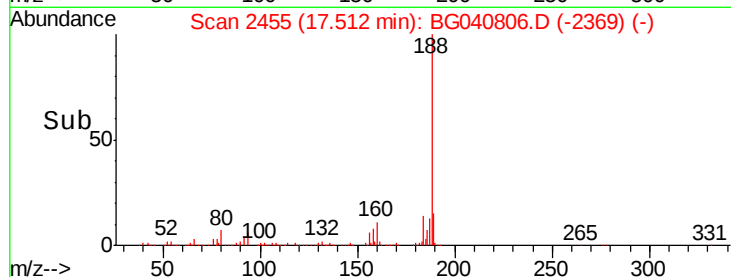
80 7.4 6.4 9.6



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: 7.445 ng

RT: 16.25 min Scan# 2241

Delta R.T. 0.35 min

Lab File: BG040806.D

Acq: 9 May 2019 4:33

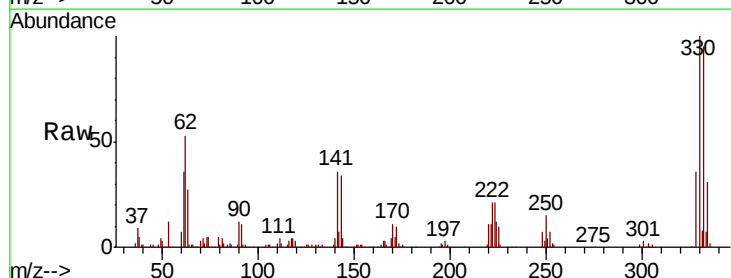
Tgt Ion:198 Resp: 712

Ion Ratio Lower Upper

198 100

51 20.3 35.9 75.9#

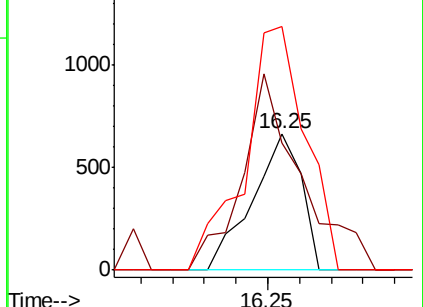
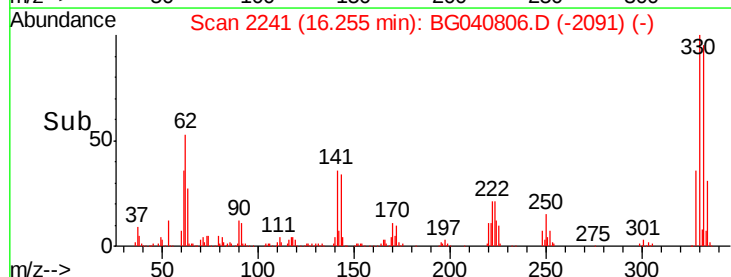
105 38.7 21.2 61.2

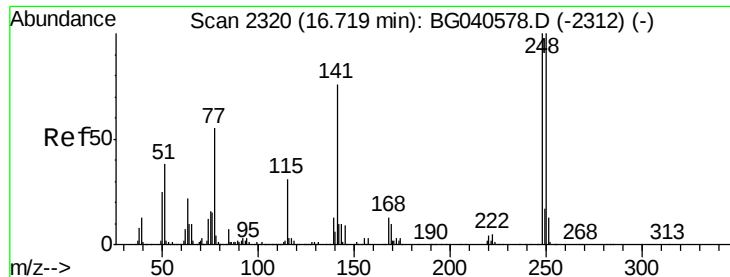


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

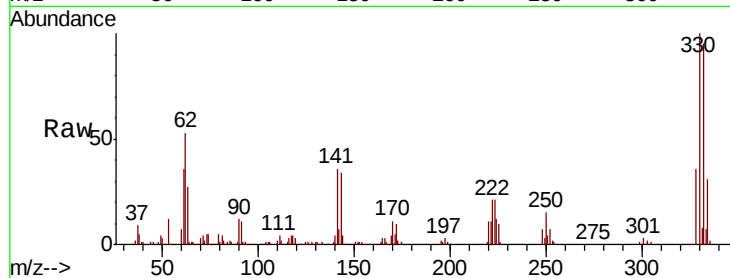




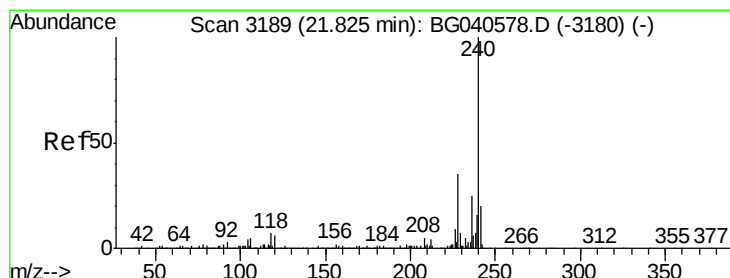
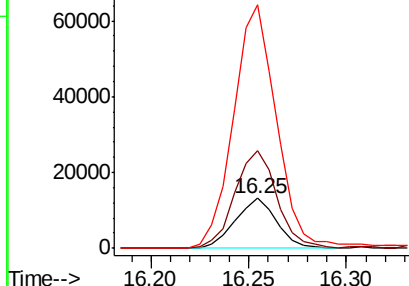
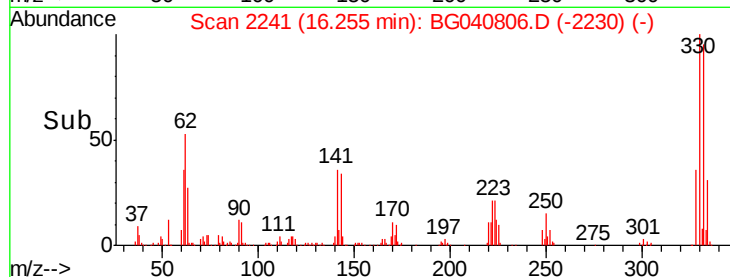
#67
 4-Bromophenyl-phenylether
 Concen: 4.370 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040806.D
 Acq: 9 May 2019 4:33

Instrument :
 BNA_G
 ClientSampleId :
 PB119548BL

Tgt Ion:248 Resp: 19481
 Ion Ratio Lower Upper
 248 100
 250 249.1 79.8 119.6#
 141 488.7 60.8 91.2#

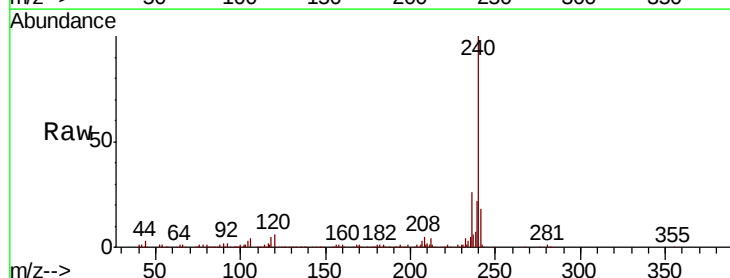


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

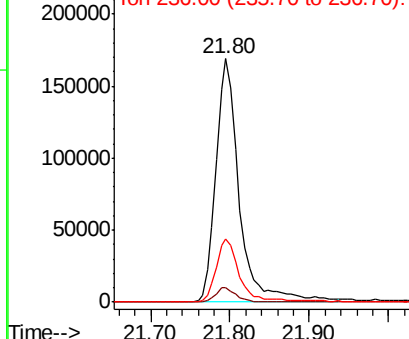
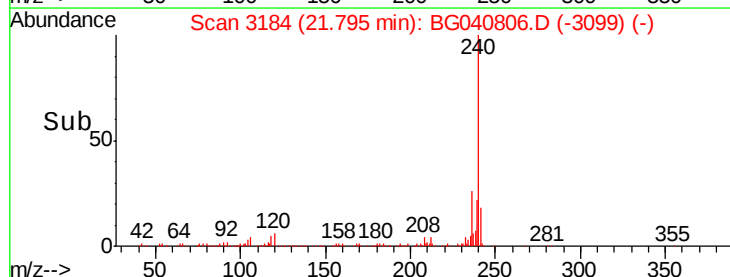


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040806.D
 Acq: 9 May 2019 4:33

Tgt Ion:240 Resp: 345323
 Ion Ratio Lower Upper
 240 100
 120 5.7 5.0 7.6
 236 25.8 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: 3.087 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040806.D

Acq: 9 May 2019 4:33

Instrument :

BNA_G

ClientSampleId :

PB119548BL

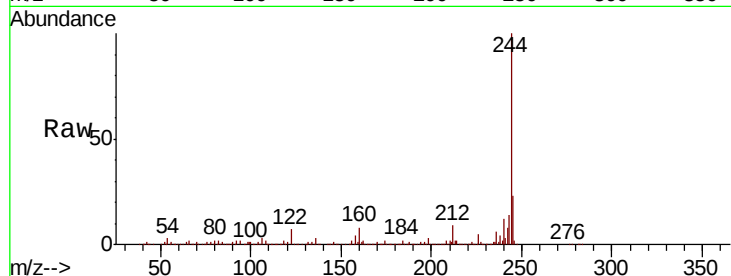
Tgt Ion:184 Resp: 29184

Ion Ratio Lower Upper

184 100

185 18.0 11.8 17.8#

183 9.7 10.2 15.2#

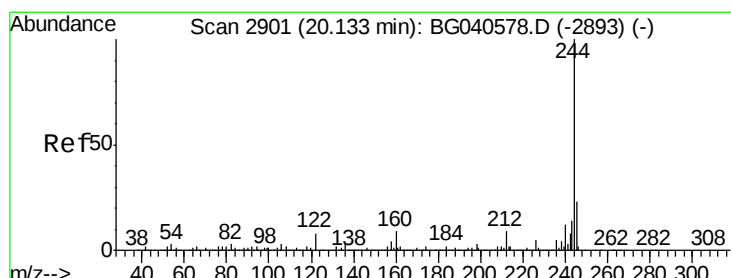
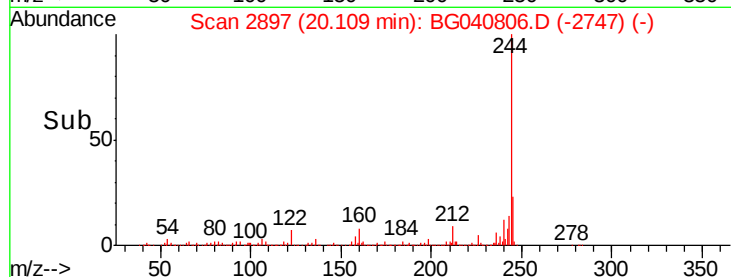
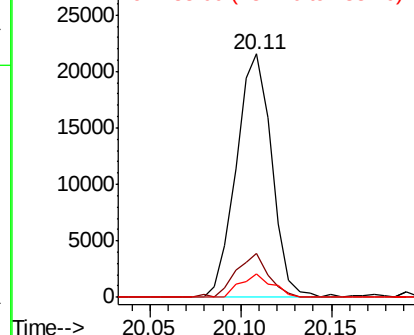


Abundance

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: 107.444 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040806.D

Acq: 9 May 2019 4:33

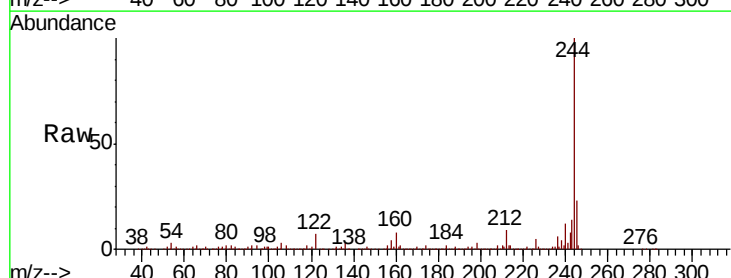
Tgt Ion:244 Resp: 1674747

Ion Ratio Lower Upper

244 100

212 9.1 7.2 10.8

122 7.4 6.6 10.0

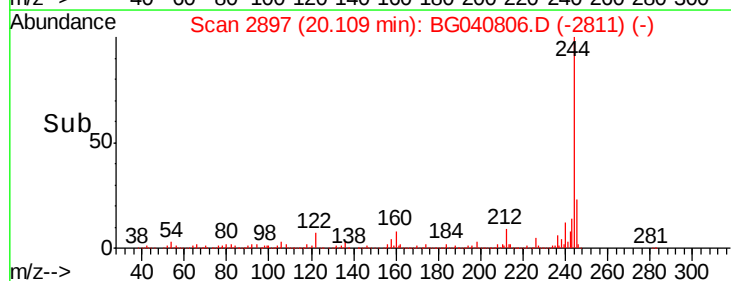
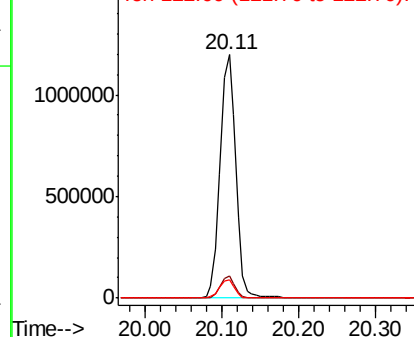


Abundance

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: 25.15 min Scan# 3755
 Delta R.T. -0.05 min
 Lab File: BG040806.D
 Acq: 9 May 2019 4:33

Instrument :
 BNA_G
 ClientSampleId :
 PB119548BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	20.3	16.6	25.0

