

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050819\
 Data File : BG040801.D
 Acq On : 8 May 2019 23:28
 Operator : HP/JU
 Sample : PB119558BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB119558BL

Quant Time: May 09 05:01:54 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

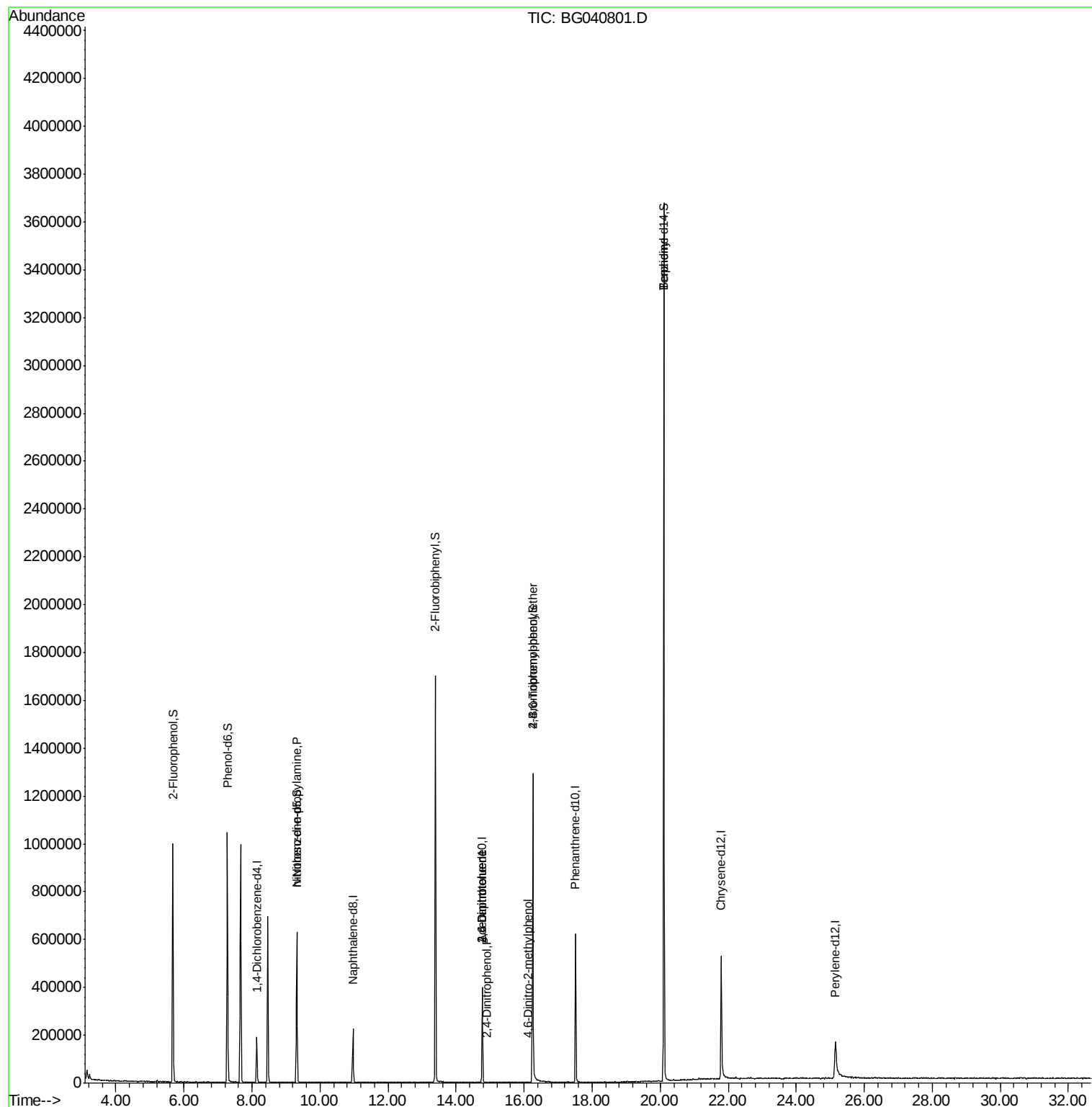
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	47238	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	183506	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	134783	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	390502	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	381434	20.00	ng	-0.03
87) Perylene-d12	25.16	264	264836	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	367007	136.95	ng	-0.01
7) Phenol-d6	7.28	99	535972	129.90	ng	-0.02
23) Nitrobenzene-d5	9.32	82	367793	92.61	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	248849	134.32	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	834031	89.37	ng	-0.02
79) Terphenyl-d14	20.11	244	1729091	100.43	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1189	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.32	70	52517	14.139 ng	#	71
51) 2,6-Dinitrotoluene	14.77	165	17153	7.794 ng	#	16
54) 2,4-Dinitrophenol	14.89	184	106	7.093 ng	#	21
57) 2,4-Dinitrotoluene	14.77	165	17153	5.735 ng	#	18
65) 4,6-Dinitro-2-methylphenol	16.11	198	97	7.144 ng	#	28
67) 4-Bromophenyl-phenylether	16.26	248	17173	3.530 ng	#	1
77) Benzydine	20.11	184	29776	2.851 ng	#	90

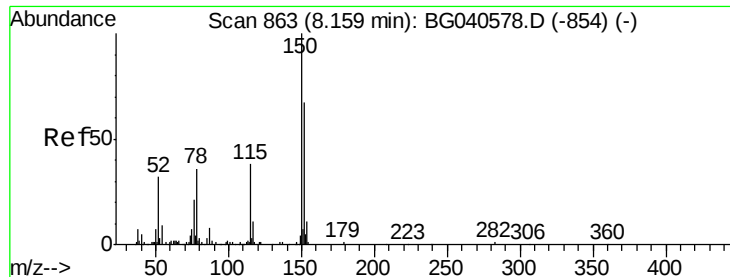
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 24 05:35:33 2019
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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: BG040801.D

Acq: 8 May 2019 23:28

Instrument :

BNA_G

ClientSampleId :

PB119558BL

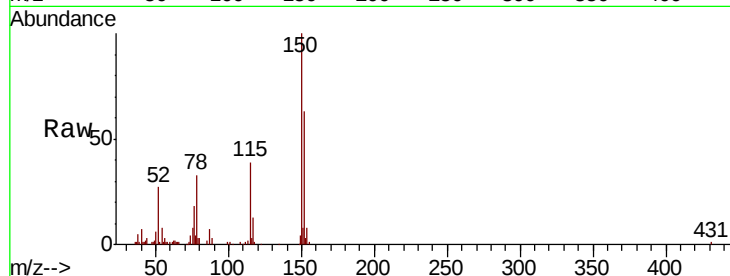
Tgt Ion:152 Resp: 47238

Ion Ratio Lower Upper

152 100

150 157.7 120.2 180.2

115 61.8 46.2 69.2

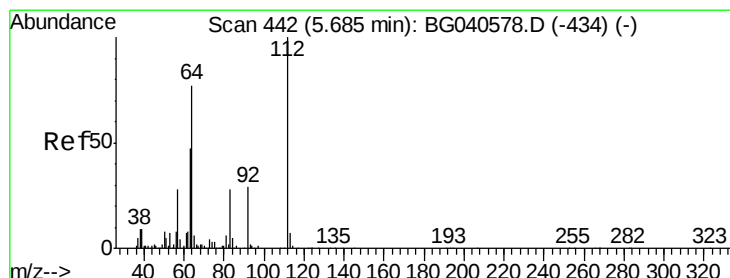
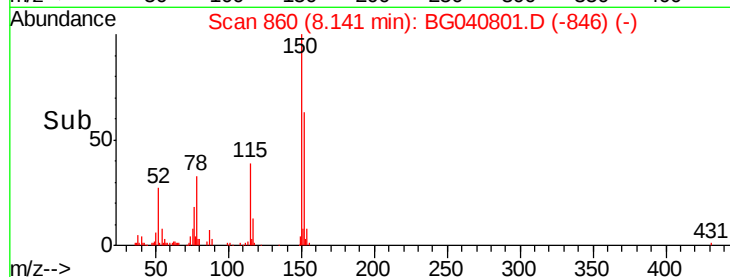
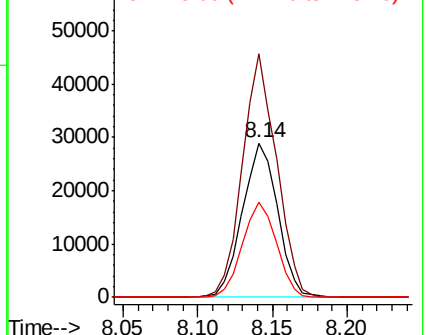


Abundance

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: 136.955 ng

RT: 5.67 min Scan# 440

Delta R.T. -0.01 min

Lab File: BG040801.D

Acq: 8 May 2019 23:28

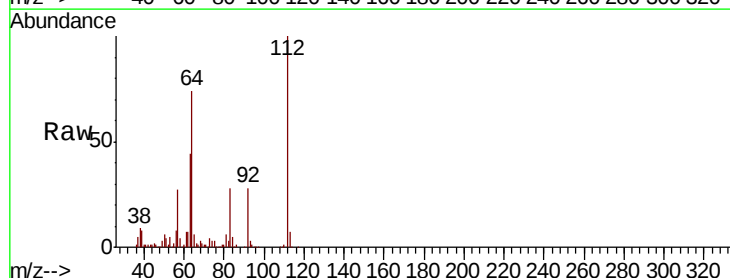
Tgt Ion:112 Resp: 367007

Ion Ratio Lower Upper

112 100

64 74.4 61.4 92.0

63 44.0 37.8 56.6

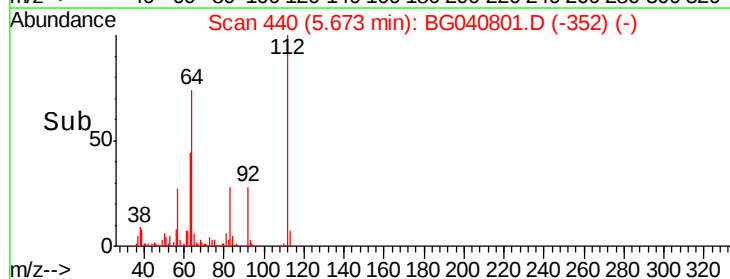
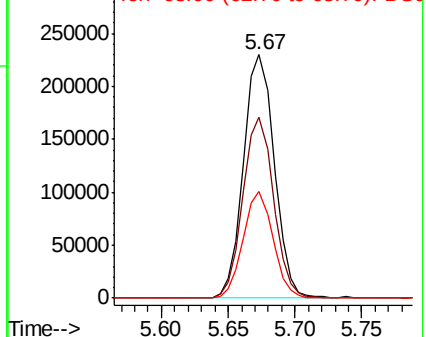


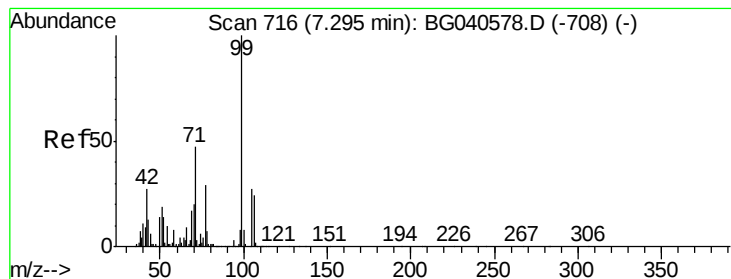
Abundance

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: 129.898 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040801.D

Acq: 8 May 2019 23:28

Instrument :

BNA_G

ClientSampleId :

PB119558BL

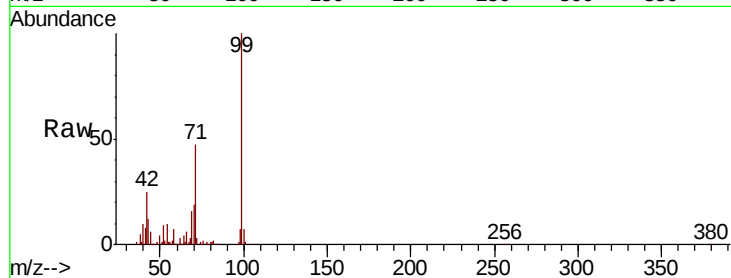
Tgt Ion: 99 Resp: 535972

Ion Ratio Lower Upper

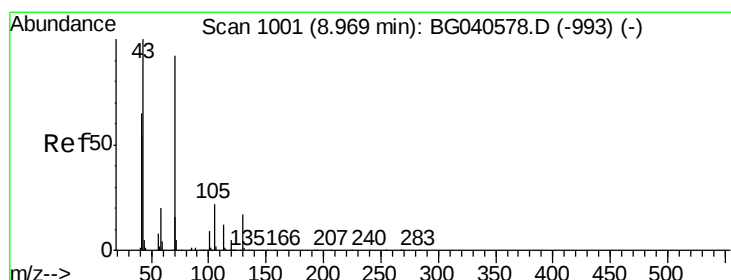
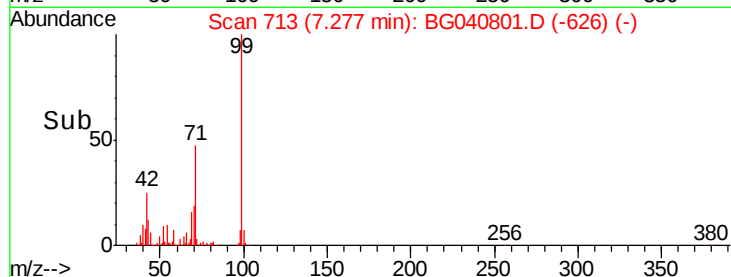
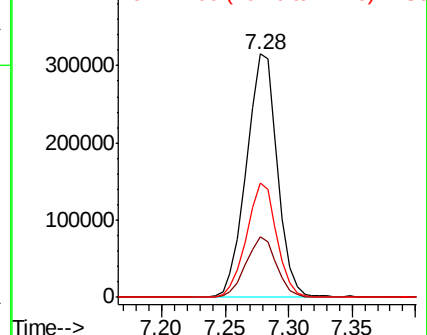
99 100

42 24.7 21.8 32.8

71 46.8 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: 14.139 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040801.D

Acq: 8 May 2019 23:28

Tgt Ion: 70 Resp: 52517

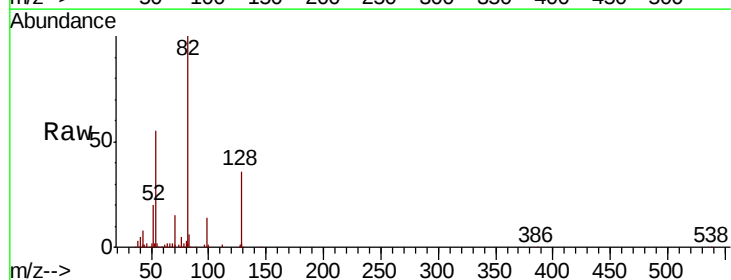
Ion Ratio Lower Upper

70 100

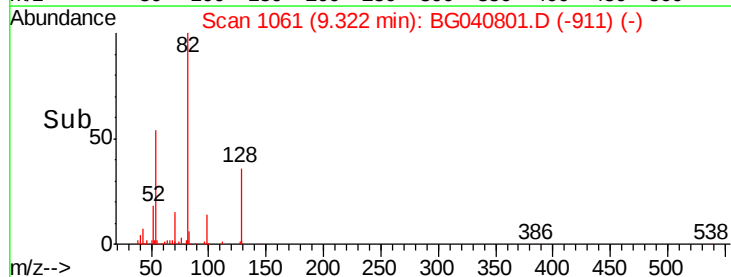
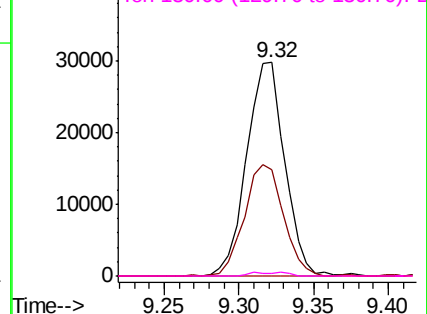
42 49.5 57.1 85.7#

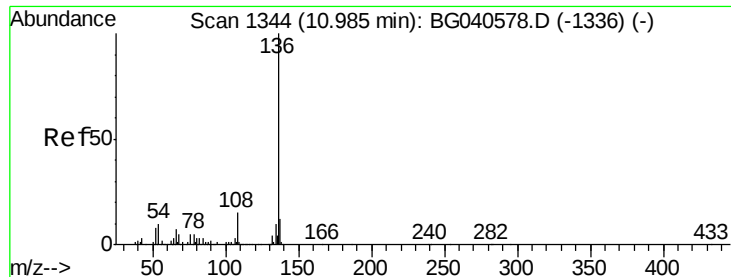
101 0.0 7.8 11.8#

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: 10.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BG040801.D

Acq: 8 May 2019 23:28

Instrument :

BNA_G

ClientSampleId :

PB119558BL

Tgt Ion:136 Resp: 183506

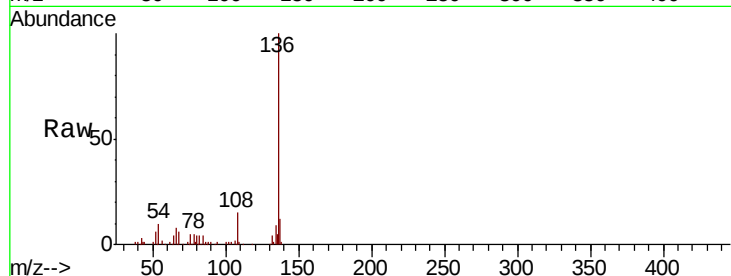
Ion Ratio Lower Upper

136 100

137 11.6 9.7 14.5

54 10.1 8.6 12.8

68 5.7 4.8 7.2

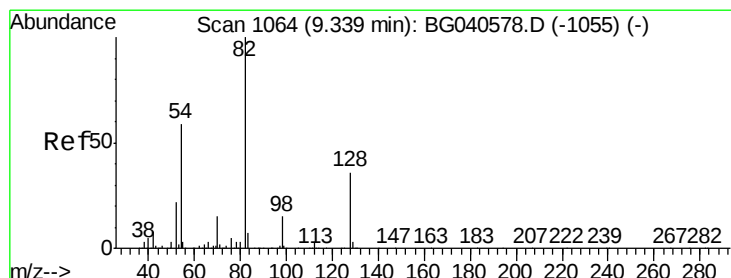
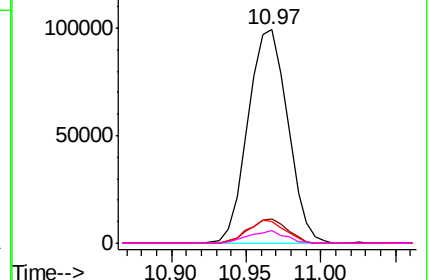
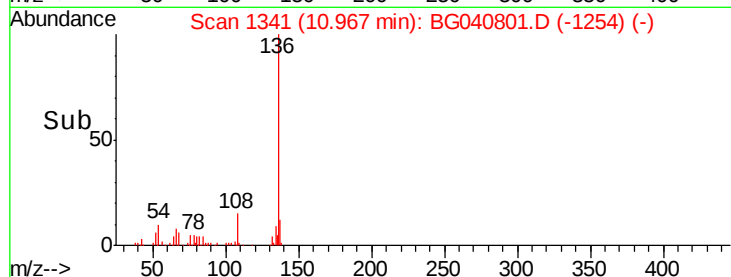


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.609 ng

RT: 9.32 min Scan# 1060

Delta R.T. -0.02 min

Lab File: BG040801.D

Acq: 8 May 2019 23:28

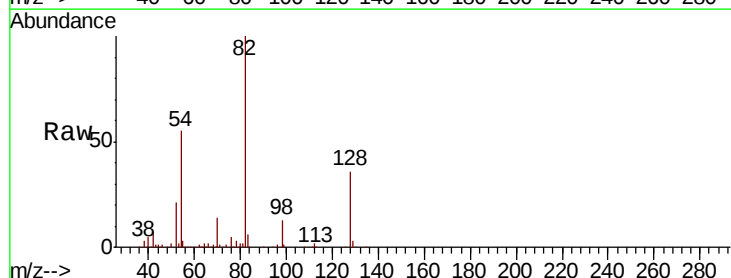
Tgt Ion: 82 Resp: 367793

Ion Ratio Lower Upper

82 100

128 36.1 28.9 43.3

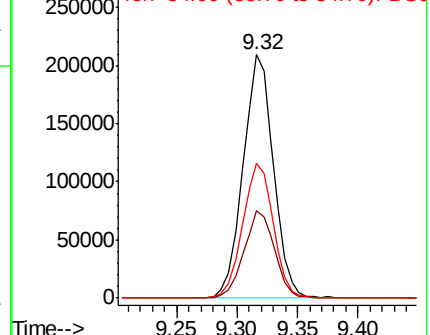
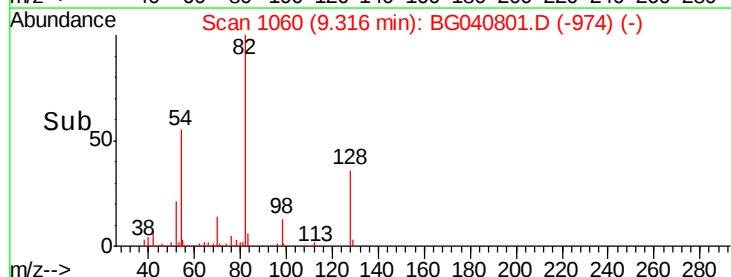
54 55.3 47.2 70.8



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: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040801.D

Acq: 8 May 2019 23:28

Instrument :

BNA_G

ClientSampleId :

PB119558BL

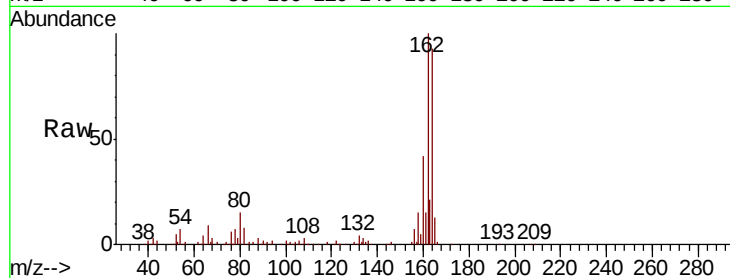
Tgt Ion:164 Resp: 134783

Ion Ratio Lower Upper

164 100

162 107.0 81.9 122.9

160 44.6 35.4 53.2

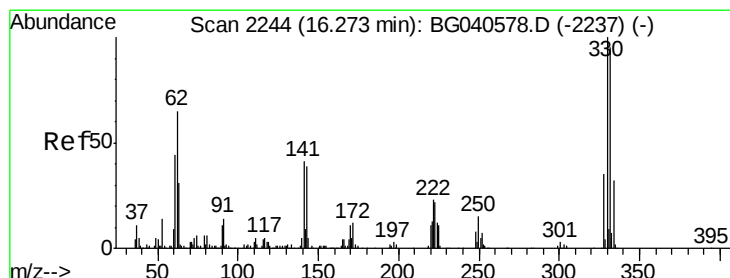
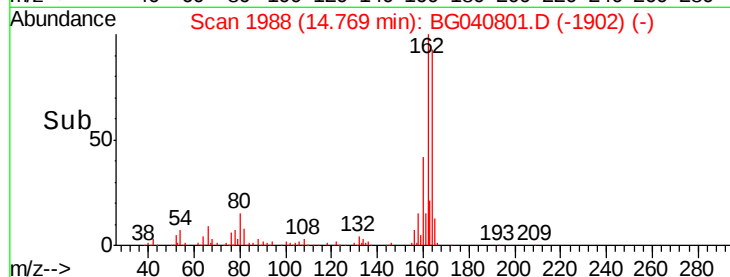
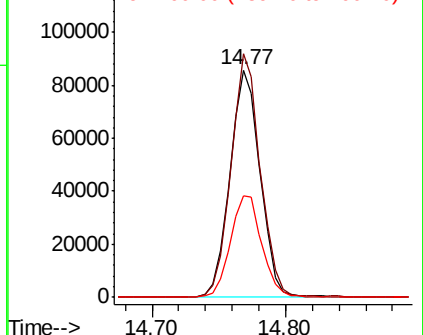


Abundance

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: 134.323 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040801.D

Acq: 8 May 2019 23:28

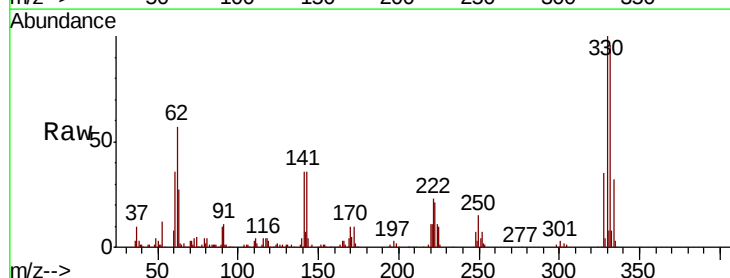
Tgt Ion:330 Resp: 248849

Ion Ratio Lower Upper

330 100

332 92.7 75.9 113.9

141 37.6 32.4 48.6

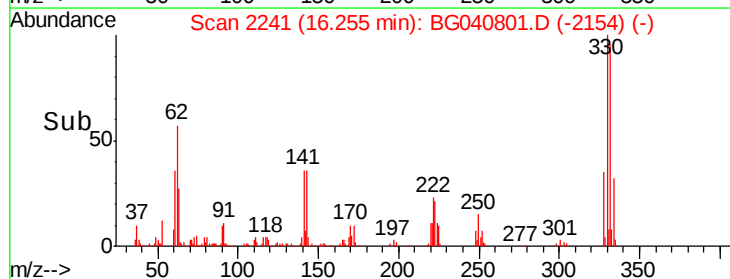
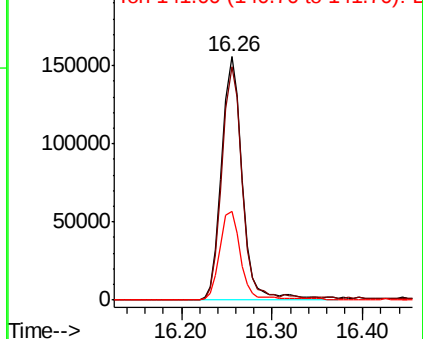


Abundance

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

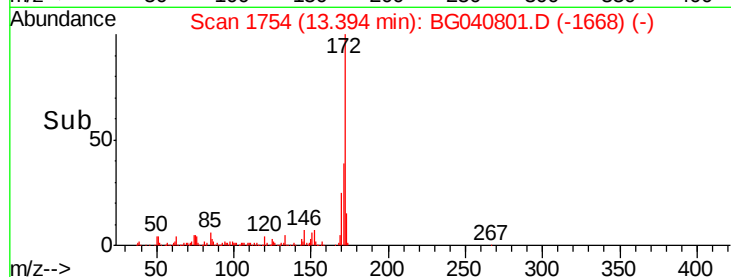
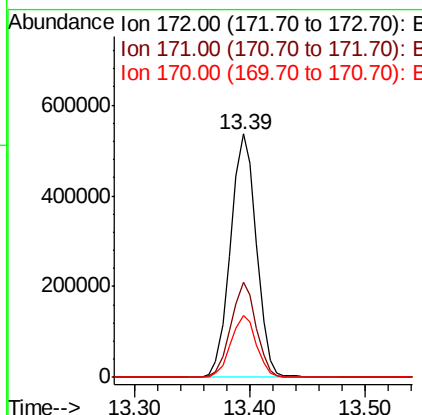
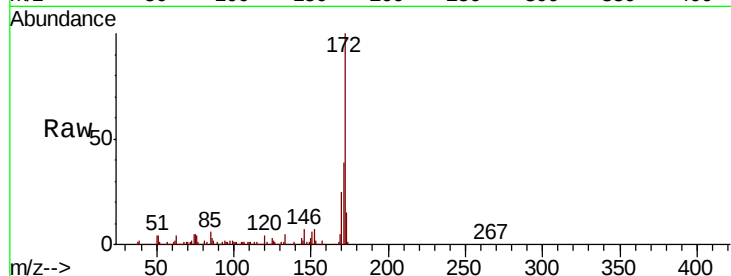




#45
 2-Fluorobiphenyl
 Concen: 89.366 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040801.D
 Acq: 8 May 2019 23:28

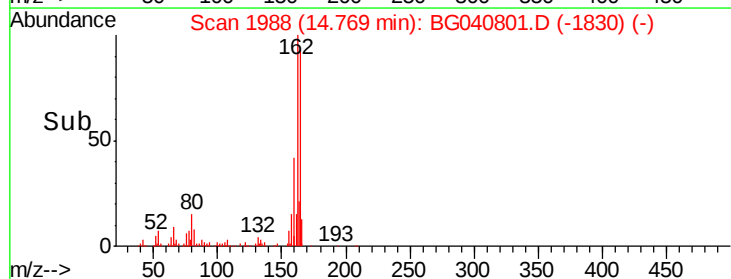
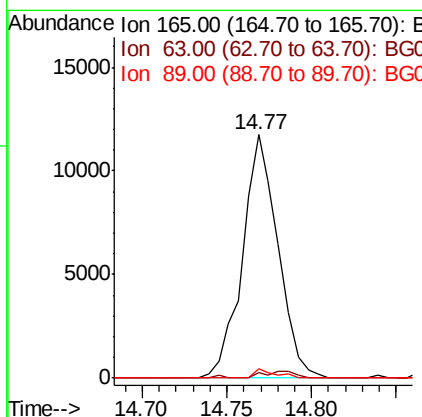
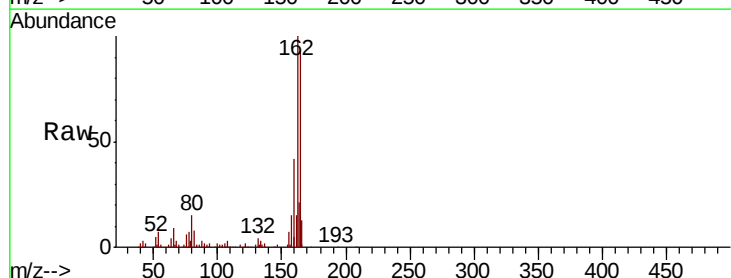
Instrument :
 BNA_G
 ClientSampleId :
 PB119558BL

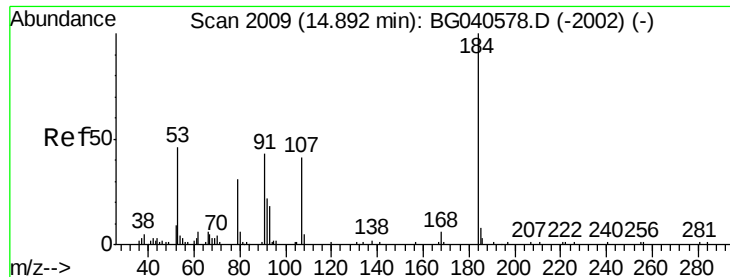
Tgt Ion:	172	Resp:	834031
Ion	Ratio	Lower	Upper
172	100		
171	39.3	29.4	44.2
170	25.2	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.794 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040801.D
 Acq: 8 May 2019 23:28

Tgt Ion:	165	Resp:	17153
Ion	Ratio	Lower	Upper
165	100		
63	2.3	61.0	91.4#
89	3.7	58.6	87.8#

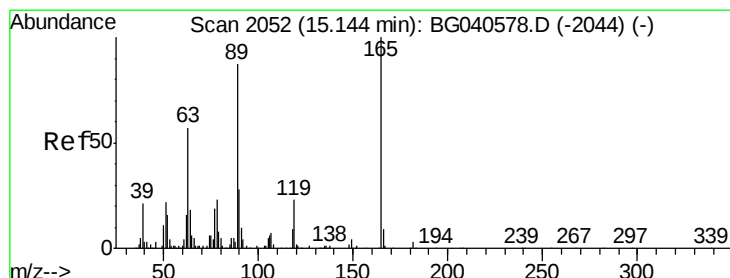
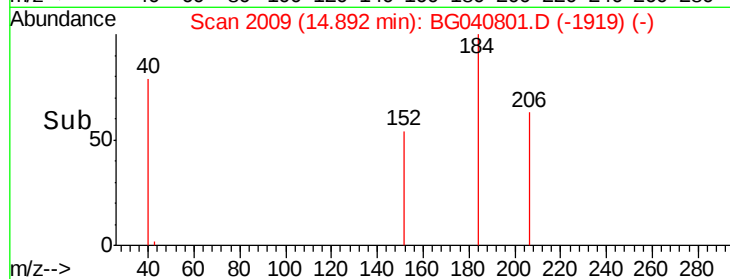
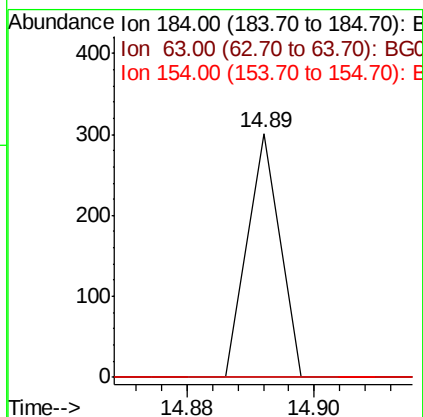
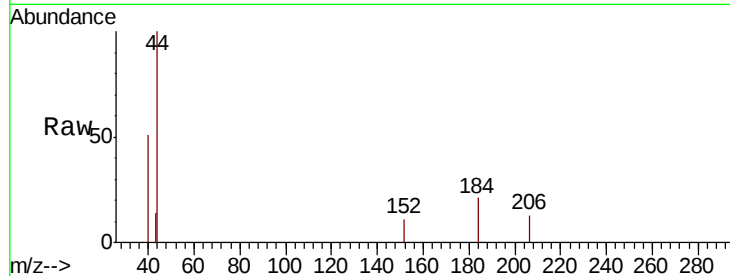




#54
2,4-Dinitrophenol
Concen: 7.093 ng
RT: 14.89 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BG040801.D
Acq: 8 May 2019 23:28

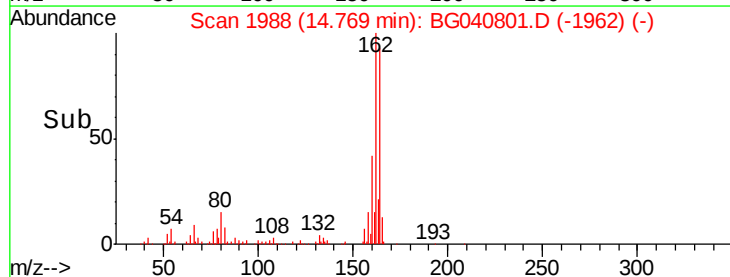
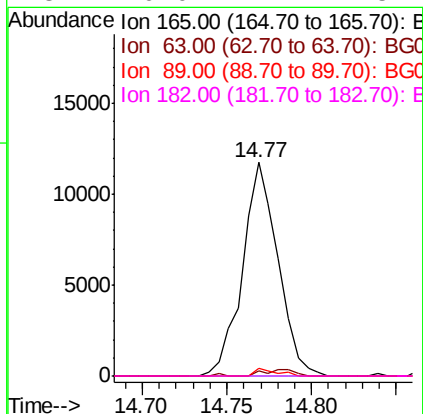
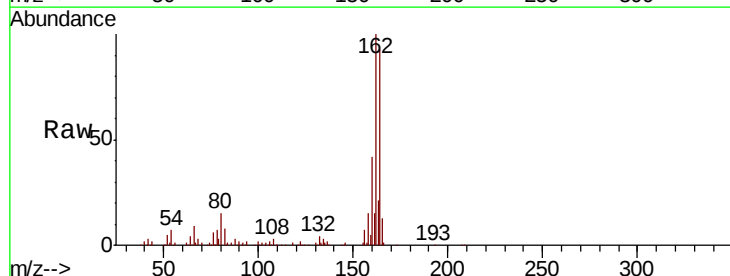
Instrument :
BNA_G
ClientSampleId :
PB119558BL

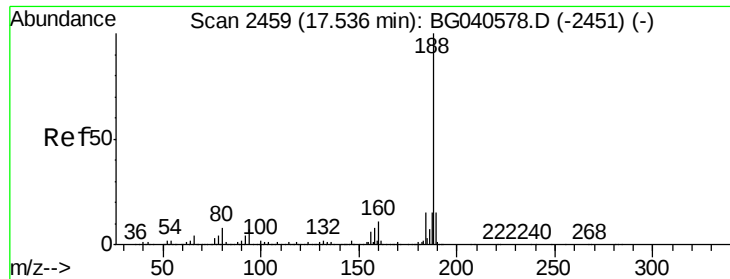
Tgt Ion:184 Resp: 106
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.735 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.38 min
Lab File: BG040801.D
Acq: 8 May 2019 23:28

Tgt Ion:165 Resp: 17153
Ion Ratio Lower Upper
165 100
63 2.3 45.8 68.8#
89 3.7 69.4 104.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040801.D

Acq: 8 May 2019 23:28

Instrument :

BNA_G

ClientSampleId :

PB119558BL

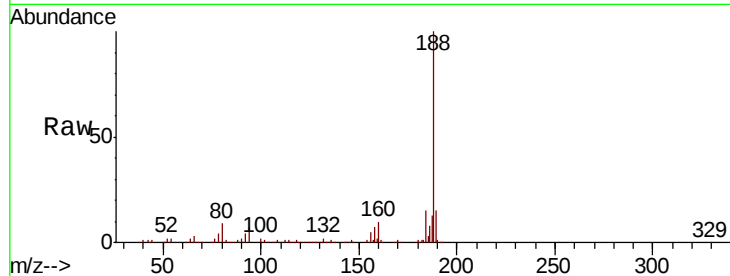
Tgt Ion:188 Resp: 390502

Ion Ratio Lower Upper

188 100

94 7.2 5.6 8.4

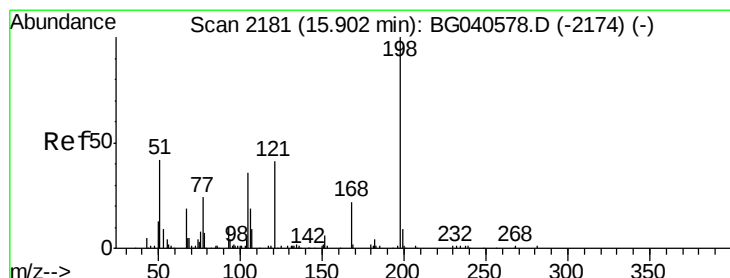
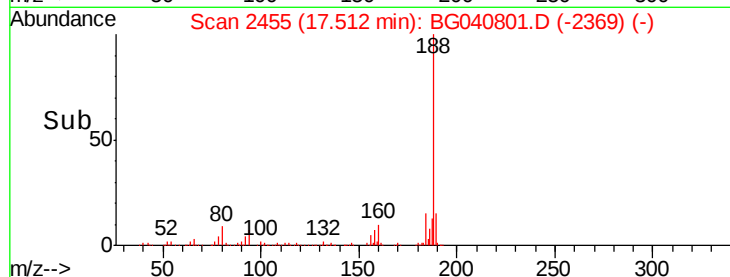
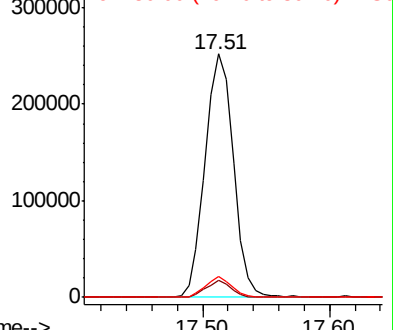
80 8.7 6.4 9.6



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: 7.144 ng

RT: 16.11 min Scan# 2216

Delta R.T. 0.21 min

Lab File: BG040801.D

Acq: 8 May 2019 23:28

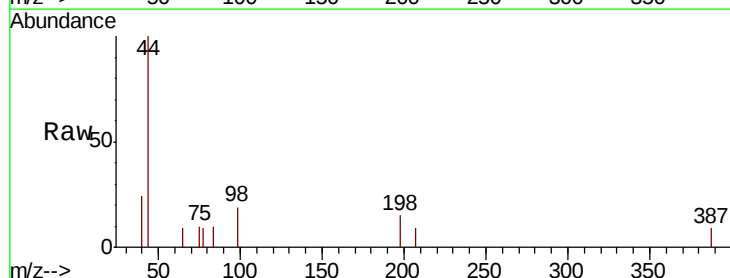
Tgt Ion:198 Resp: 97

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

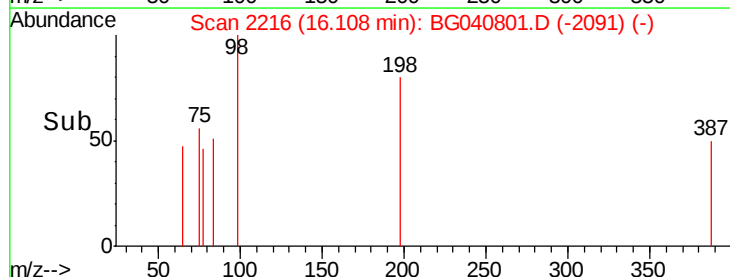
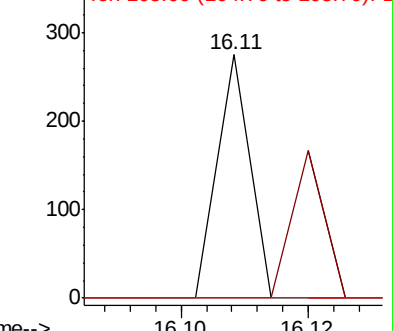
105 0.0 21.2 61.2#

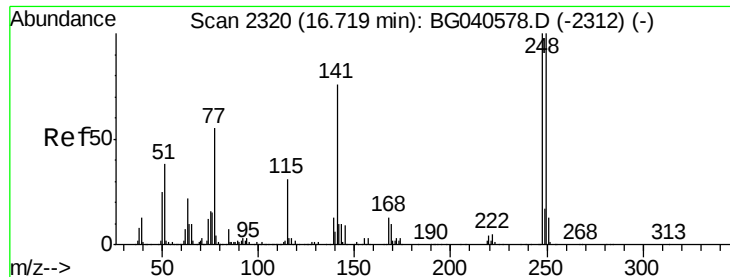


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

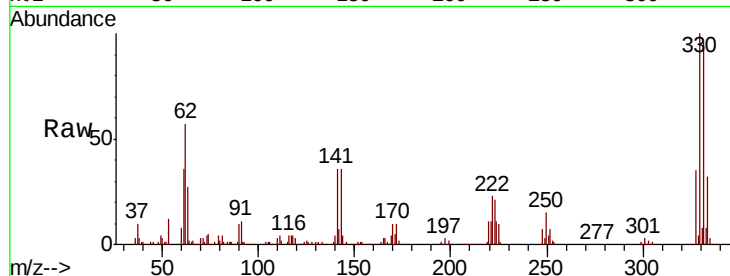




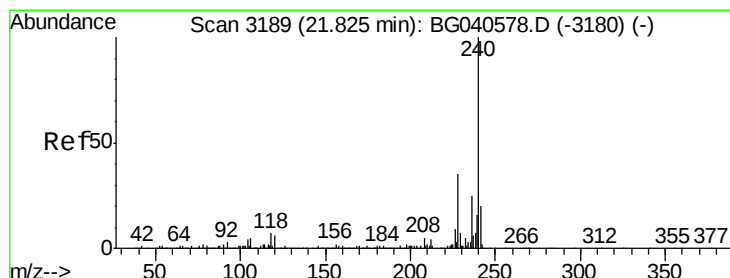
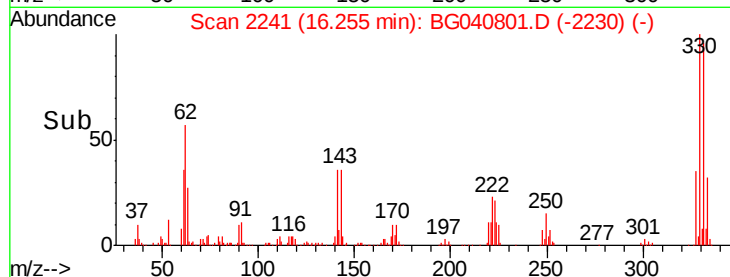
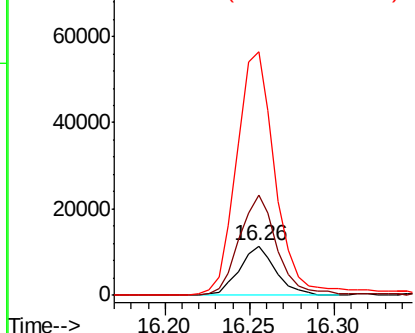
#67
 4-Bromophenyl-phenylether
 Concen: 3.530 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040801.D
 Acq: 8 May 2019 23:28

Instrument :
 BNA_G
 ClientSampleId :
 PB119558BL

Tgt Ion:248 Resp: 17173
 Ion Ratio Lower Upper
 248 100
 250 203.9 79.8 119.6#
 141 494.1 60.8 91.2#

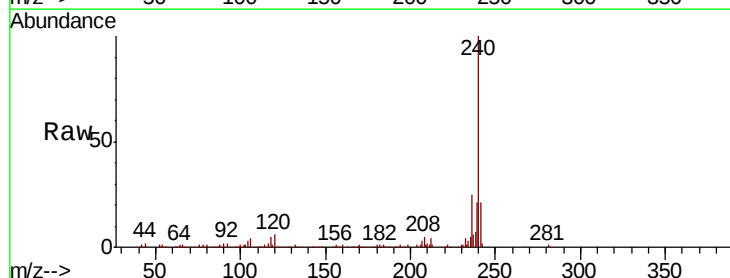


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

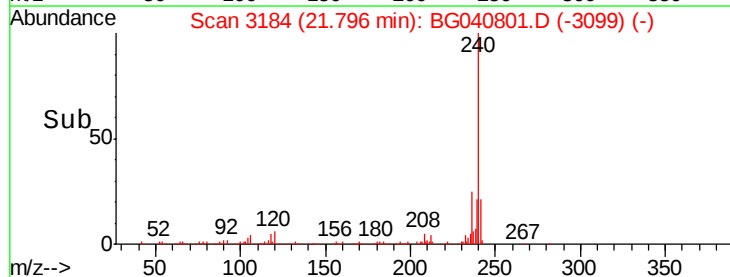
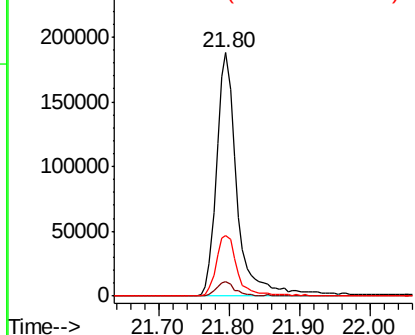


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040801.D
 Acq: 8 May 2019 23:28

Tgt Ion:240 Resp: 381434
 Ion Ratio Lower Upper
 240 100
 120 5.9 5.0 7.6
 236 25.1 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

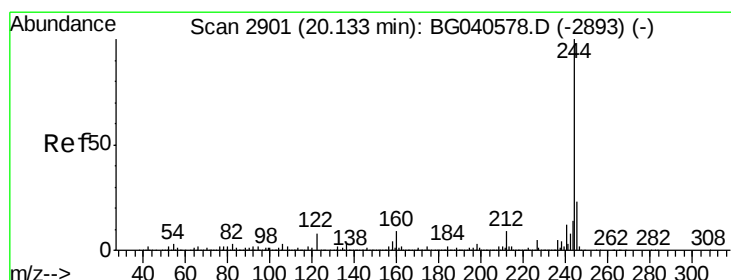
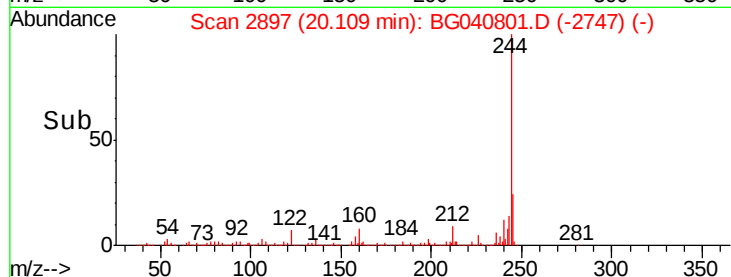
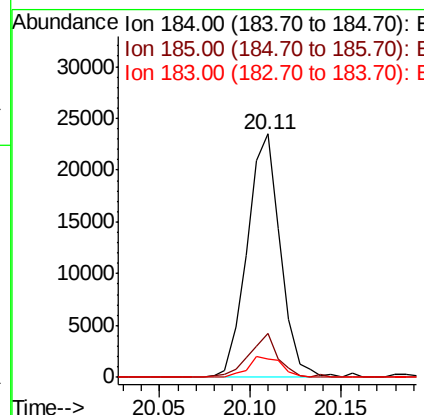
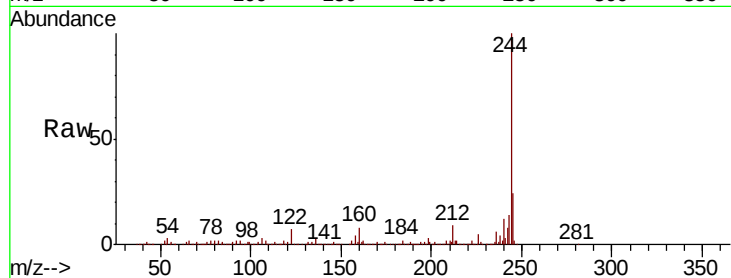




#77
Benzidine
Concen: 2.851 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.35 min
Lab File: BG040801.D
Acq: 8 May 2019 23:28

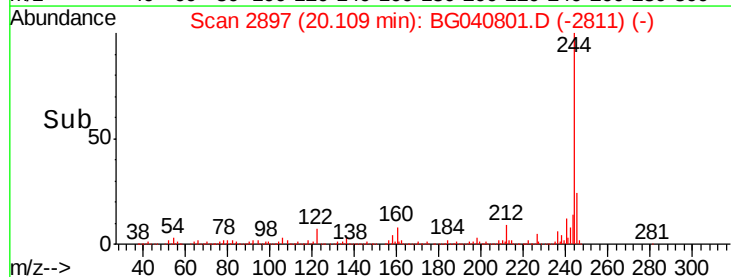
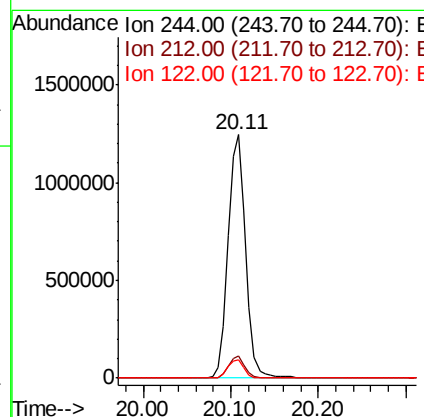
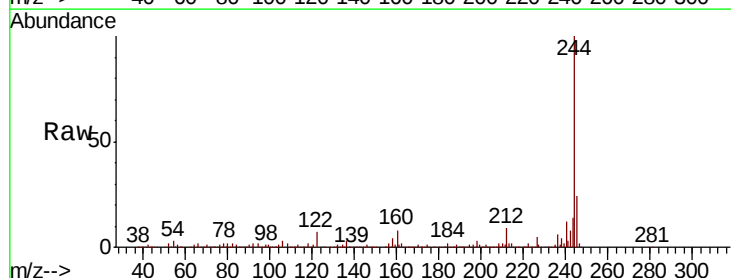
Instrument :
BNA_G
ClientSampleId :
PB119558BL

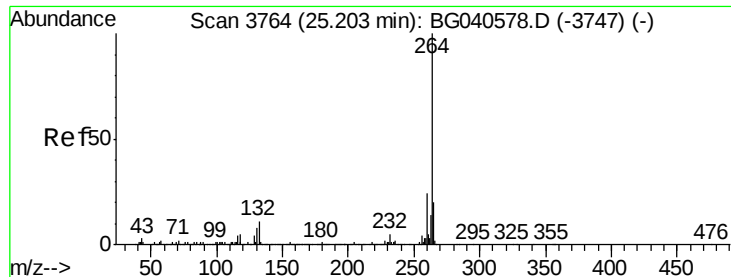
Tgt Ion:184 Resp: 29776
Ion Ratio Lower Upper
184 100
185 18.1 11.8 17.8#
183 7.6 10.2 15.2#



#79
Terphenyl-d14
Concen: 100.428 ng
RT: 20.11 min Scan# 2897
Delta R.T. -0.02 min
Lab File: BG040801.D
Acq: 8 May 2019 23:28

Tgt Ion:244 Resp: 1729091
Ion Ratio Lower Upper
244 100
212 9.0 7.2 10.8
122 7.4 6.6 10.0





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040801.D
Acq: 8 May 2019 23:28

Instrument :
BNA_G
ClientSampleId :
PB119558BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.2	28.8
265	23.6	16.6	25.0

