

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
 Data File : BG040894.D
 Acq On : 12 May 2019 5:20
 Operator : HP/JU
 Sample : PB119655BL
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB119655BL

Quant Time: May 13 03:51:32 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

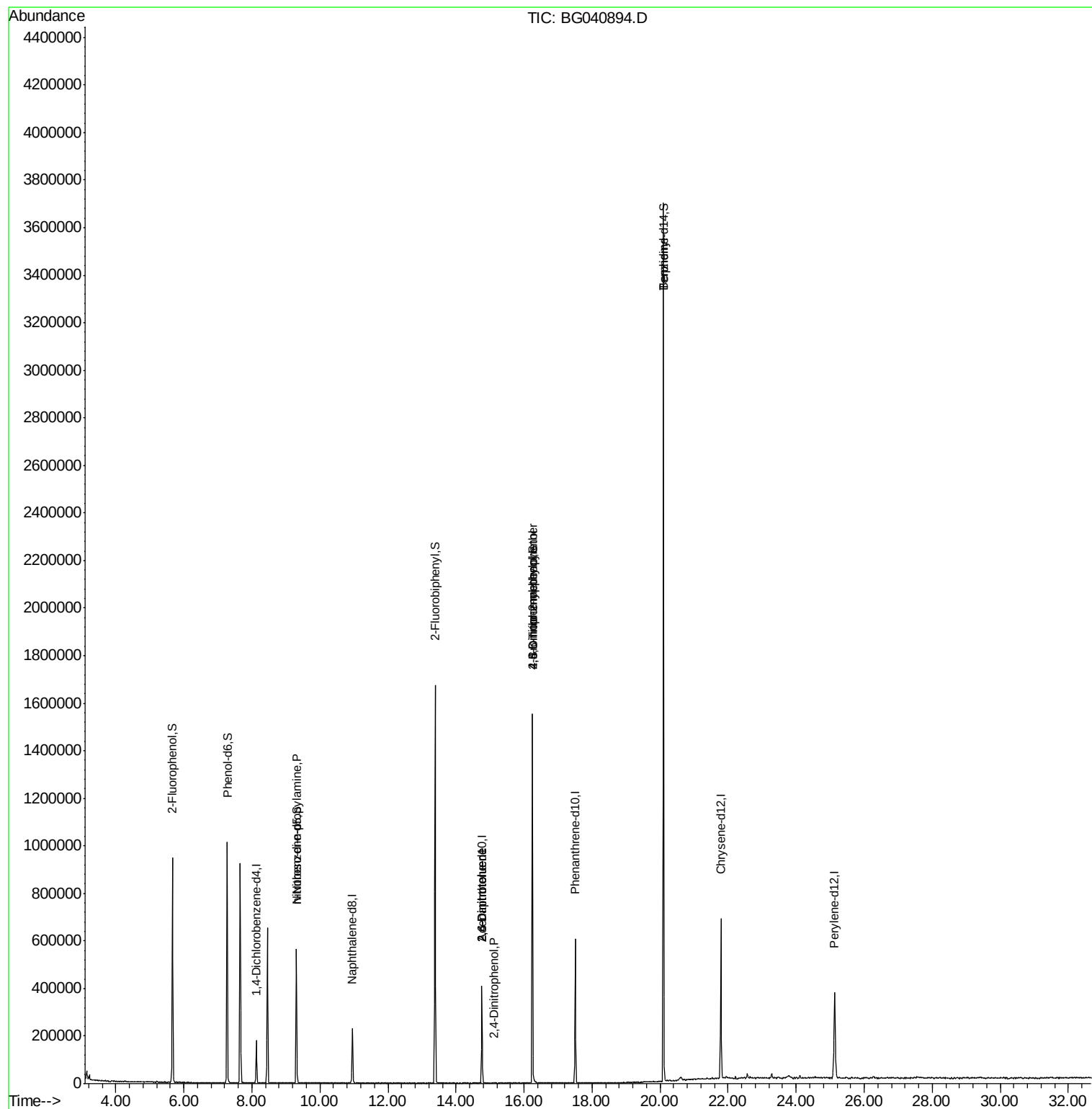
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	46139	20.00	ng	-0.03
21) Naphthalene-d8	10.95	136	181814	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	139972	20.00	ng	-0.03
64) Phenanthrene-d10	17.50	188	373758	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	404033	20.00	ng	-0.04
87) Perylene-d12	25.13	264	428214	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	347139	132.63	ng	-0.02
7) Phenol-d6	7.27	99	513939	127.53	ng	-0.02
23) Nitrobenzene-d5	9.31	82	347237	88.25	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	291765	151.65	ng	-0.03
45) 2-Fluorobiphenyl	13.38	172	833448	85.99	ng	-0.03
79) Terphenyl-d14	20.10	244	1618534	88.75	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.27	77	1012	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.31	70	48807	13.454 ng	#	70
51) 2,6-Dinitrotoluene	14.76	165	19054	8.336 ng	#	13
54) 2,4-Dinitrophenol	15.13	184	59	7.056 ng	#	21
57) 2,4-Dinitrotoluene	14.76	165	19054	6.135 ng	#	15
65) 4,6-Dinitro-2-methylphenol	16.25	198	1044	7.584 ng	#	62
67) 4-Bromophenyl-phenylether	16.25	248	20460	4.394 ng	#	1
77) Benzydine	20.10	184	28438	2.571 ng	#	92

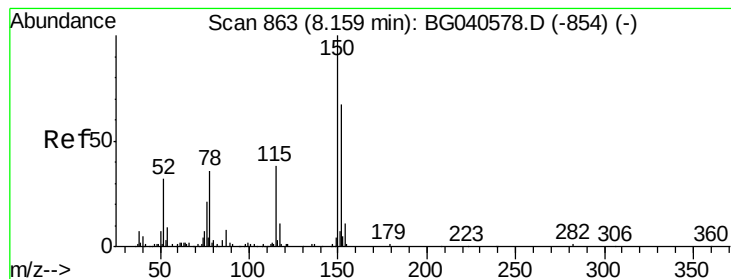
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040894.D
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QLast Update : Wed Apr 24 05:35:33 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: BG040894.D

Acq: 12 May 2019 5:20

Instrument :

BNA_G

ClientSampleId :

PB119655BL

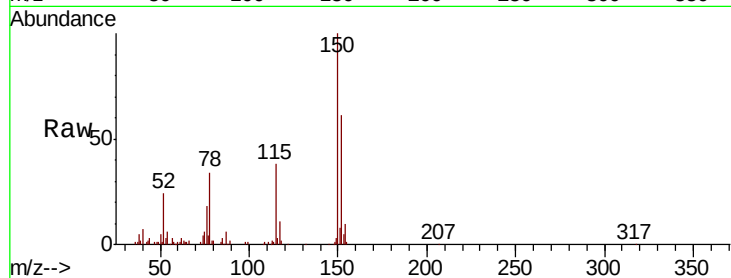
Tgt Ion:152 Resp: 46139

Ion Ratio Lower Upper

152 100

150 165.2 120.2 180.2

115 63.0 46.2 69.2

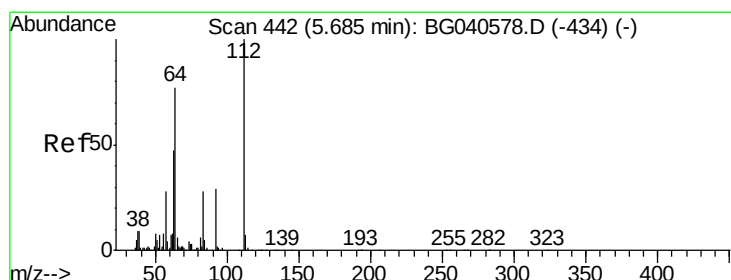
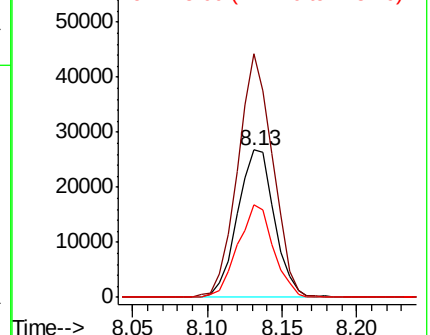
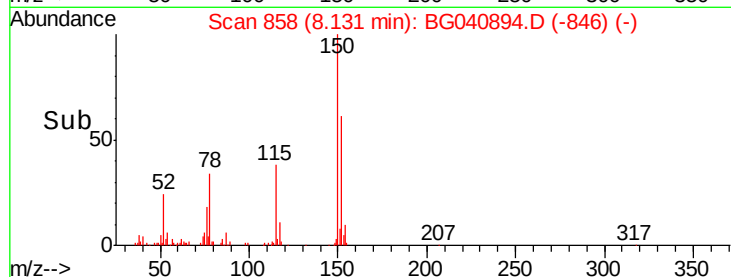


Abundance

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: 132.626 ng

RT: 5.66 min Scan# 438

Delta R.T. -0.02 min

Lab File: BG040894.D

Acq: 12 May 2019 5:20

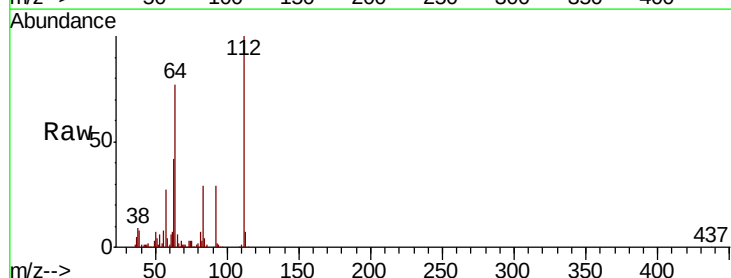
Tgt Ion:112 Resp: 347139

Ion Ratio Lower Upper

112 100

64 76.5 61.4 92.0

63 41.7 37.8 56.6

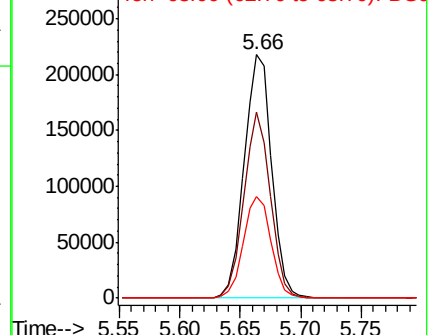
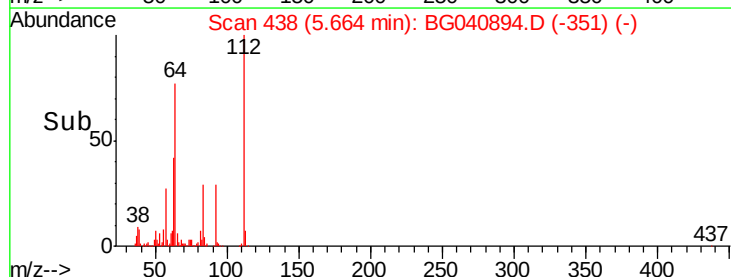


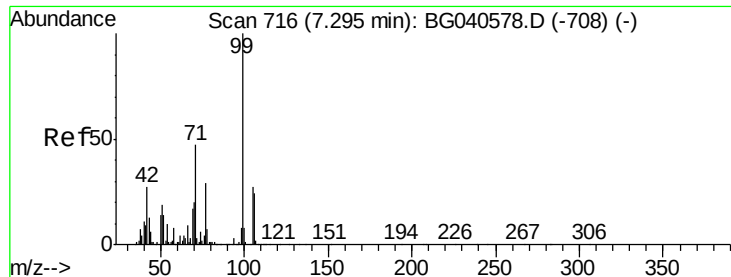
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 127.525 ng

RT: 7.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BG040894.D

Acq: 12 May 2019 5:20

Instrument :

BNA_G

ClientSampleId :

PB119655BL

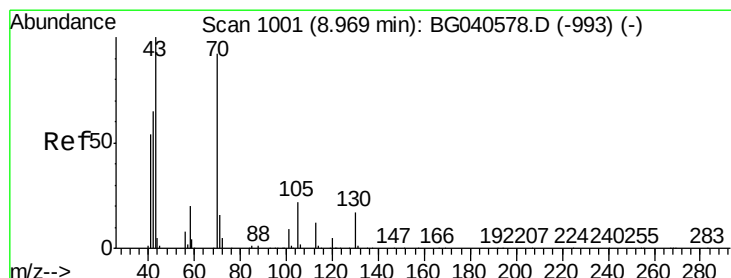
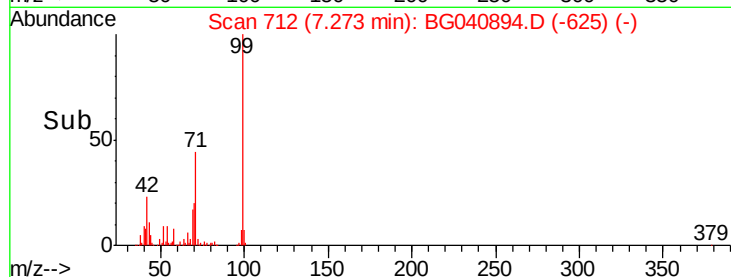
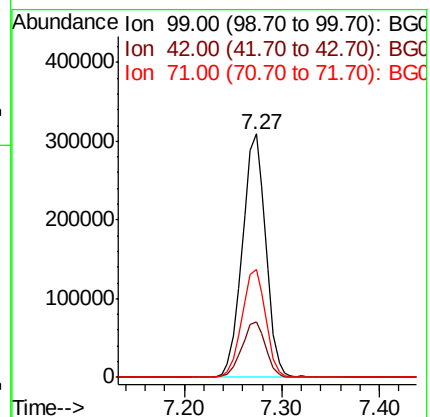
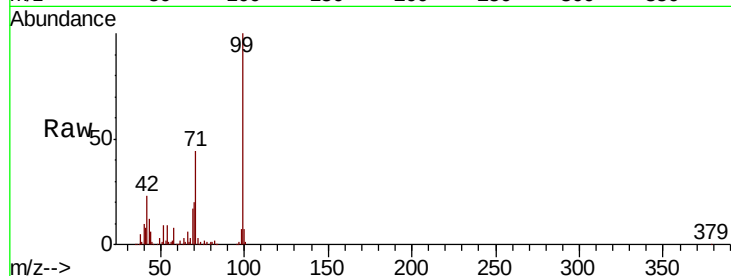
Tgt Ion: 99 Resp: 513939

Ion Ratio Lower Upper

99 100

42 22.7 21.8 32.8

71 44.5 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 13.454 ng

RT: 9.31 min Scan# 1058

Delta R.T. 0.34 min

Lab File: BG040894.D

Acq: 12 May 2019 5:20

Tgt Ion: 70 Resp: 48807

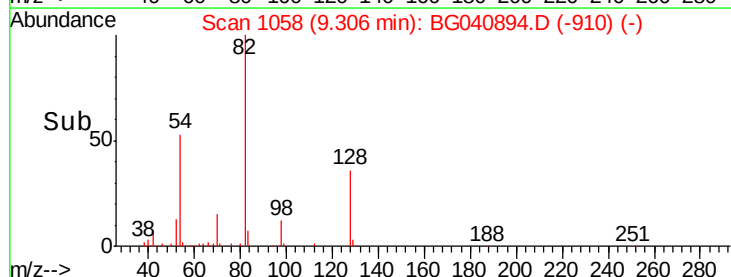
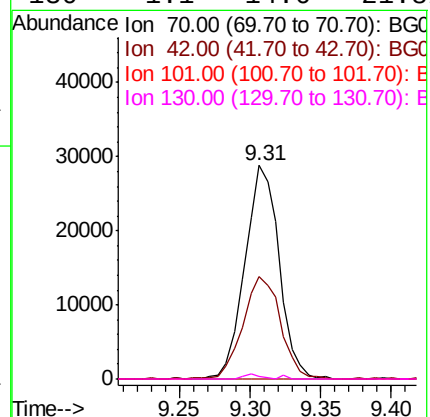
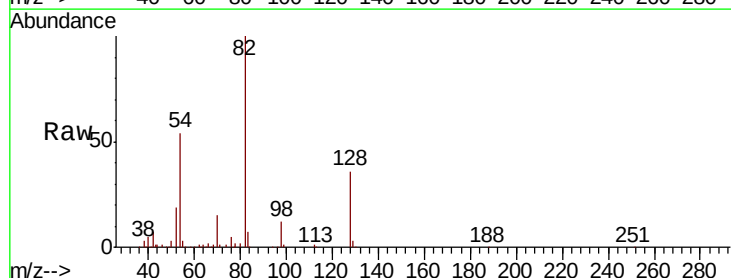
Ion Ratio Lower Upper

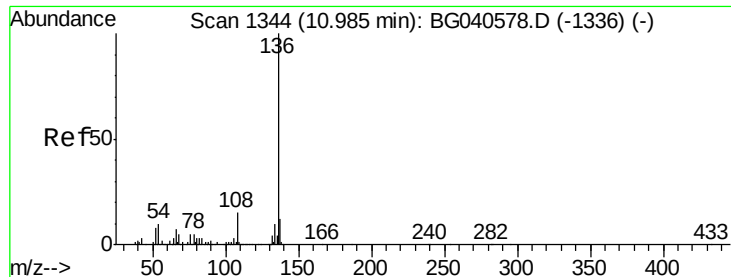
70 100

42 47.9 57.1 85.7#

101 0.0 7.8 11.8#

130 1.1 14.6 21.8#

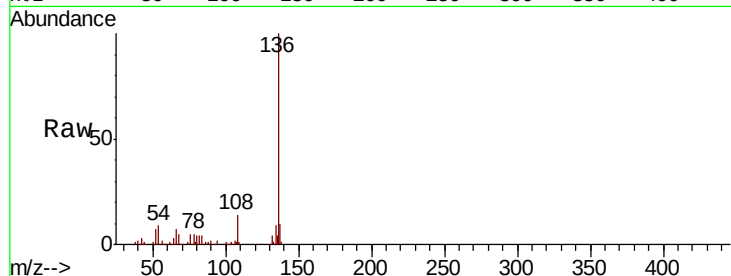




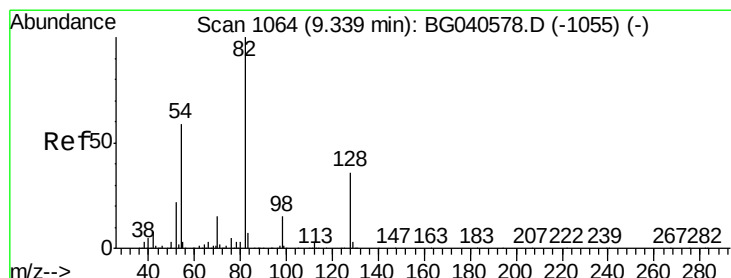
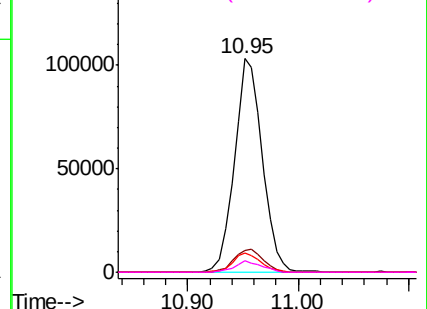
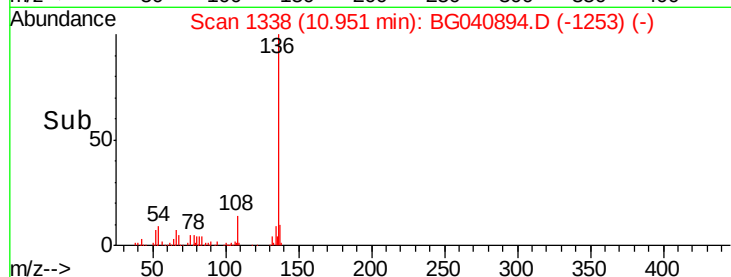
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.03 min
Lab File: BG040894.D
Acq: 12 May 2019 5:20

Instrument :
BNA_G
ClientSampleId :
PB119655BL

Tgt Ion:	136	Resp:	181814
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.7	14.5
54	9.0	8.6	12.8
68	5.2	4.8	7.2

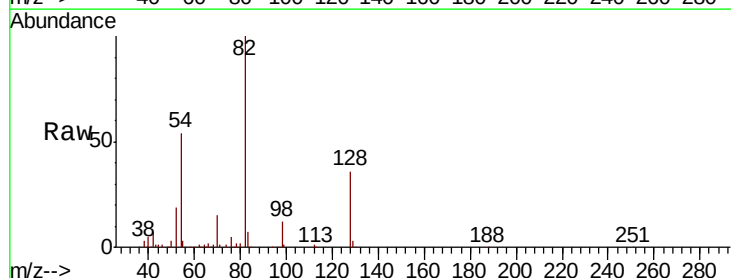


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

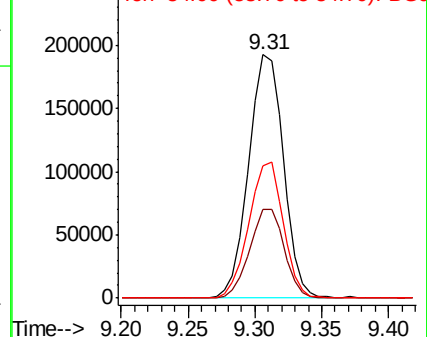
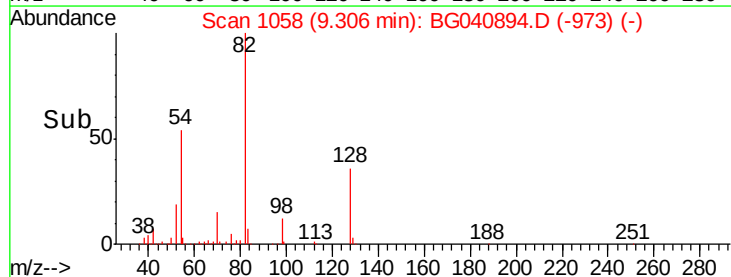


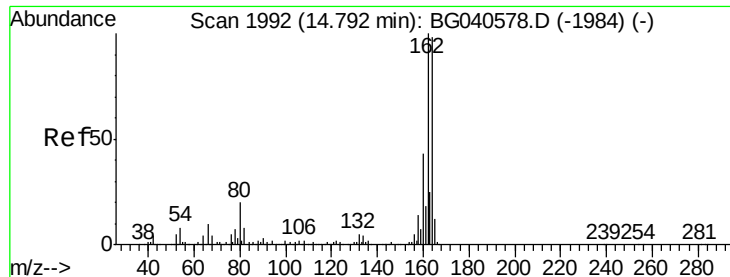
#23
Nitrobenzene-d5
Concen: 88.247 ng
RT: 9.31 min Scan# 1058
Delta R.T. -0.03 min
Lab File: BG040894.D
Acq: 12 May 2019 5:20

Tgt Ion:	82	Resp:	347237
Ion	Ratio	Lower	Upper
82	100		
128	36.2	28.9	43.3
54	54.1	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: 14.76 min Scan# 1987

Delta R.T. -0.03 min

Lab File: BG040894.D

Acq: 12 May 2019 5:20

Instrument :

BNA_G

ClientSampleId :

PB119655BL

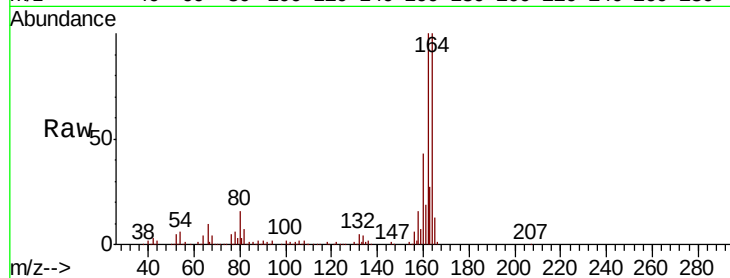
Tgt Ion:164 Resp: 139972

Ion Ratio Lower Upper

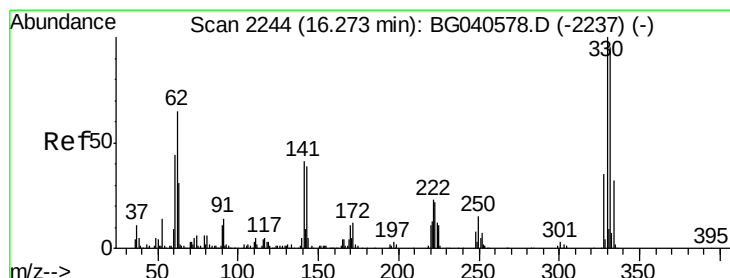
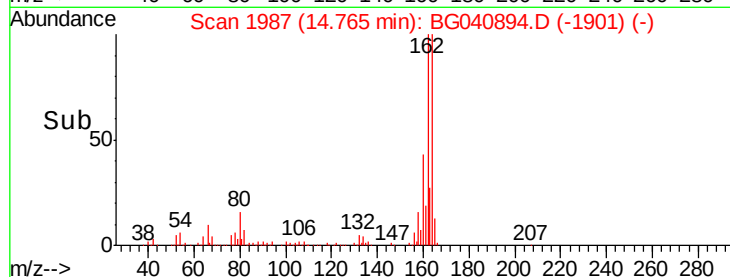
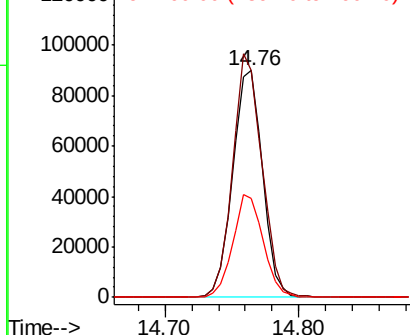
164 100

162 99.8 81.9 122.9

160 43.3 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: 151.649 ng

RT: 16.25 min Scan# 2239

Delta R.T. -0.03 min

Lab File: BG040894.D

Acq: 12 May 2019 5:20

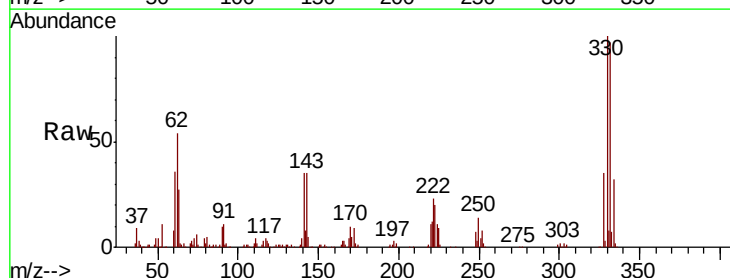
Tgt Ion:330 Resp: 291765

Ion Ratio Lower Upper

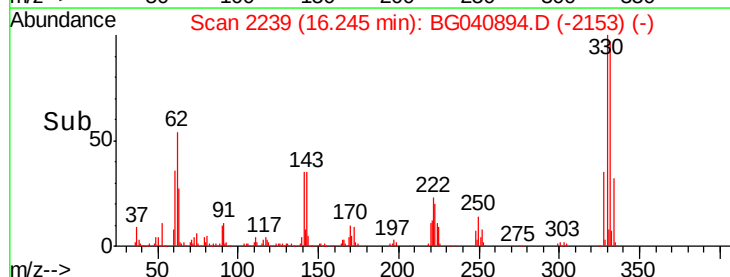
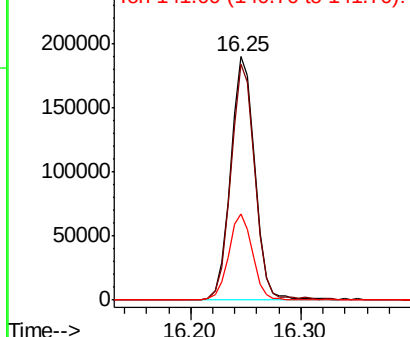
330 100

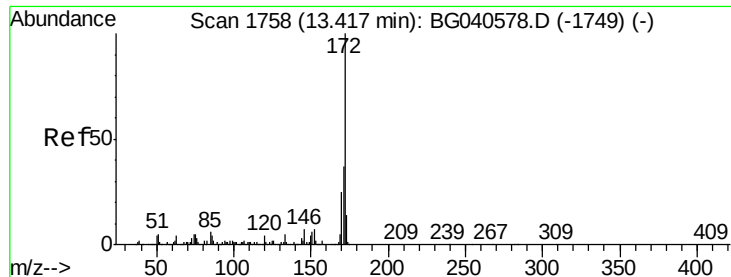
332 95.9 75.9 113.9

141 35.2 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

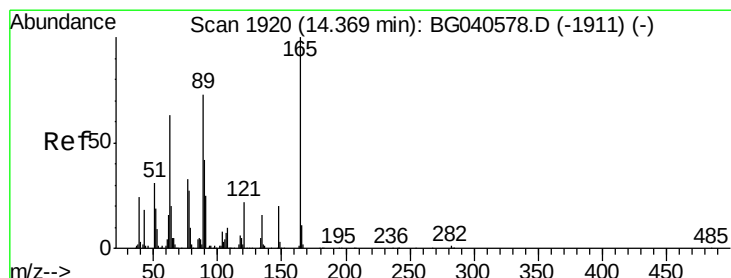
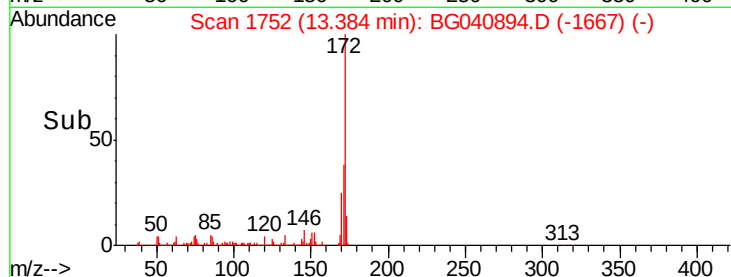
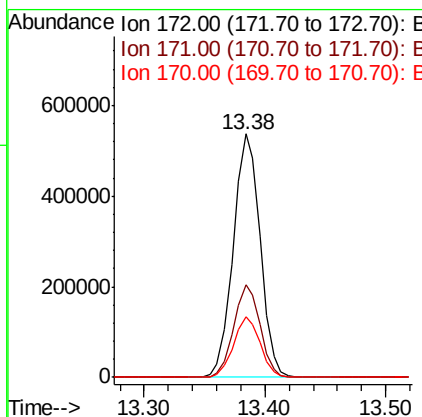
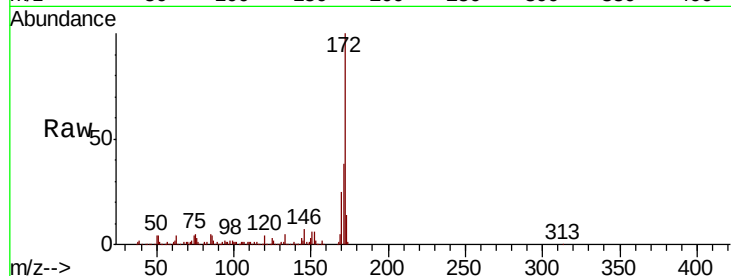




#45
 2-Fluorobiphenyl
 Concen: 85.993 ng
 RT: 13.38 min Scan# 1752
 Delta R.T. -0.03 min
 Lab File: BG040894.D
 Acq: 12 May 2019 5:20

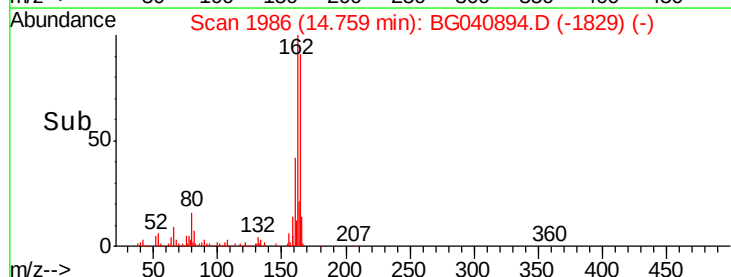
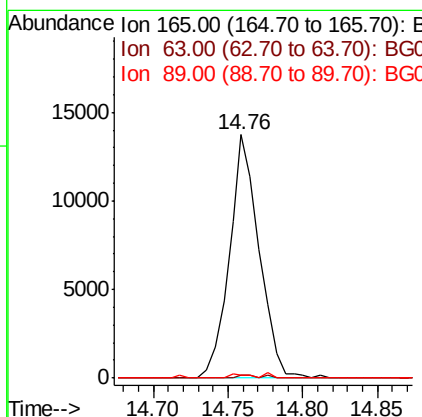
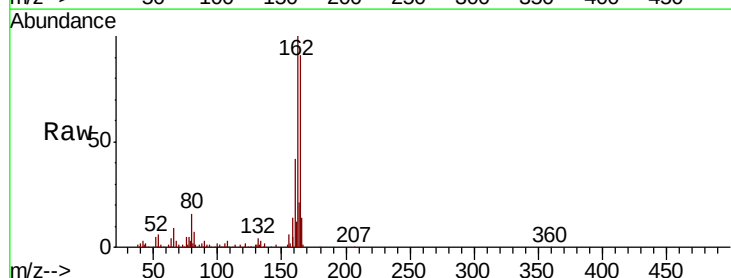
Instrument :
 BNA_G
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 PB119655BL

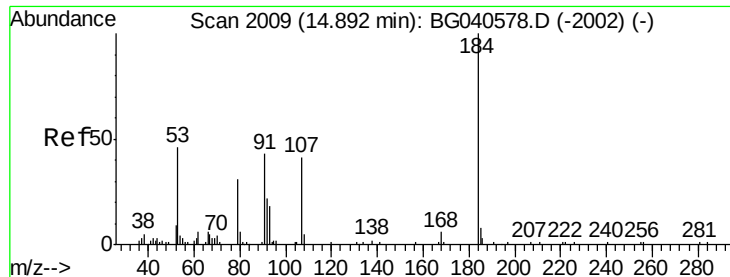
Tgt Ion:	172	Resp:	833448
Ion	Ratio	Lower	Upper
172	100		
171	38.2	29.4	44.2
170	25.1	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 8.336 ng
 RT: 14.76 min Scan# 1986
 Delta R.T. 0.39 min
 Lab File: BG040894.D
 Acq: 12 May 2019 5:20

Tgt Ion:	165	Resp:	19054
Ion	Ratio	Lower	Upper
165	100		
63	1.1	61.0	91.4#
89	1.2	58.6	87.8#

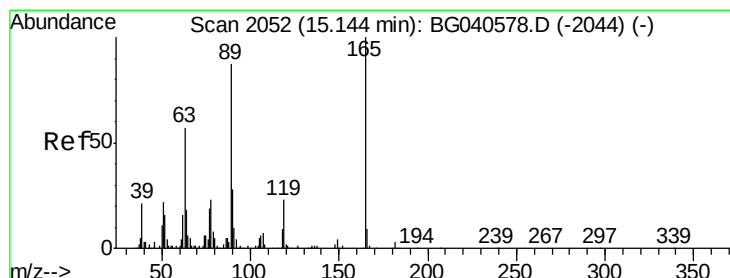
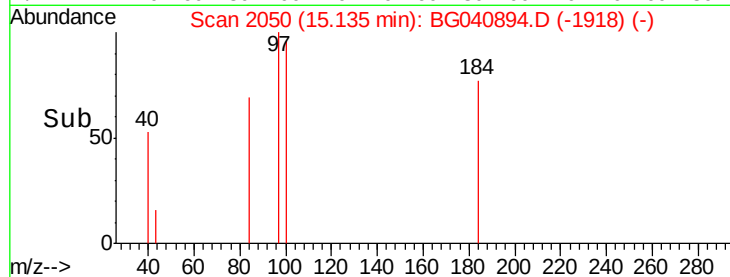
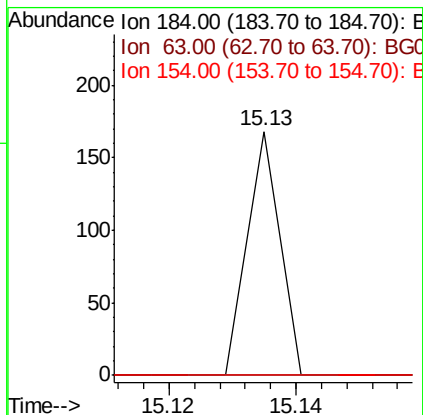
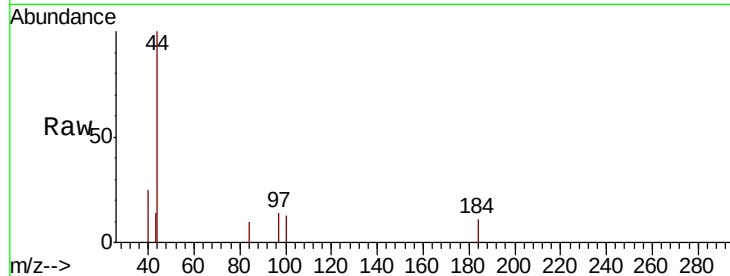




#54
2,4-Dinitrophenol
Concen: 7.056 ng
RT: 15.13 min Scan# 2050
Delta R.T. 0.24 min
Lab File: BG040894.D
Acq: 12 May 2019 5:20

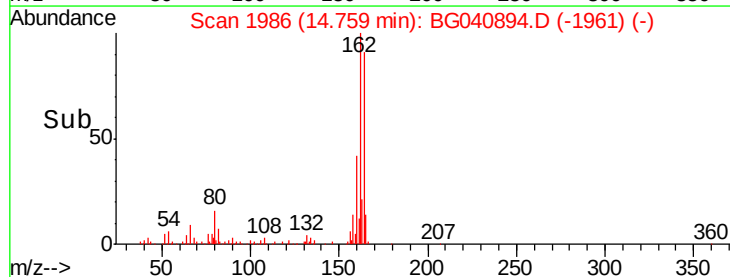
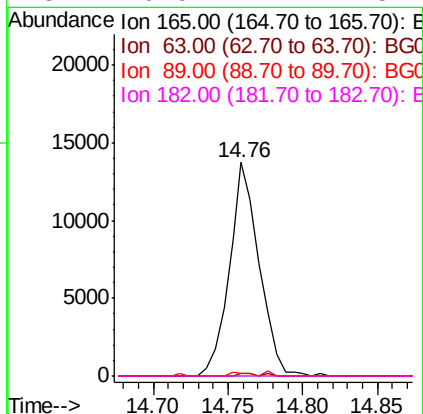
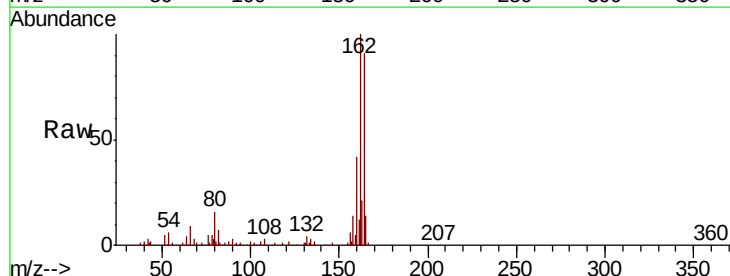
Instrument :
BNA_G
ClientSampleId :
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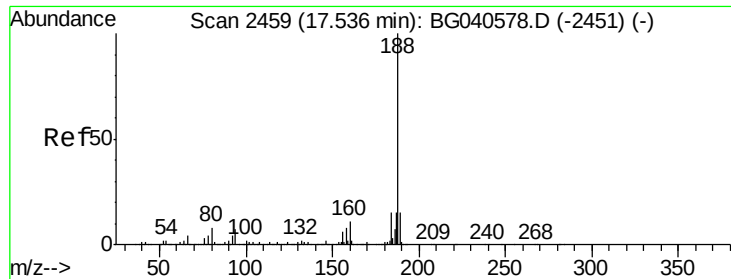
Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 6.135 ng
RT: 14.76 min Scan# 1986
Delta R.T. -0.39 min
Lab File: BG040894.D
Acq: 12 May 2019 5:20

Tgt Ion:165 Resp: 19054
Ion Ratio Lower Upper
165 100
63 1.1 45.8 68.8#
89 1.2 69.4 104.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2453

Delta R.T. -0.03 min

Lab File: BG040894.D

Acq: 12 May 2019 5:20

Instrument :

BNA_G

ClientSampleId :

PB119655BL

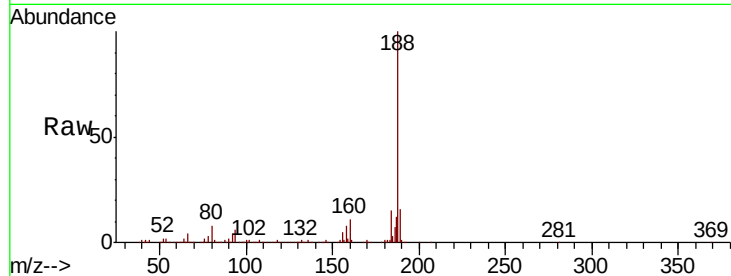
Tgt Ion:188 Resp: 373758

Ion Ratio Lower Upper

188 100

94 6.2 5.6 8.4

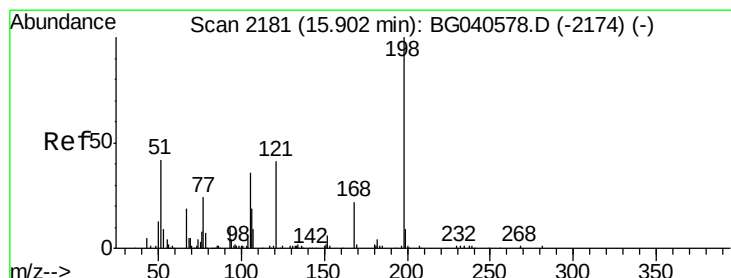
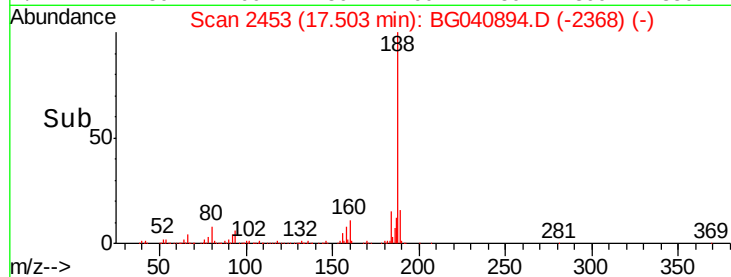
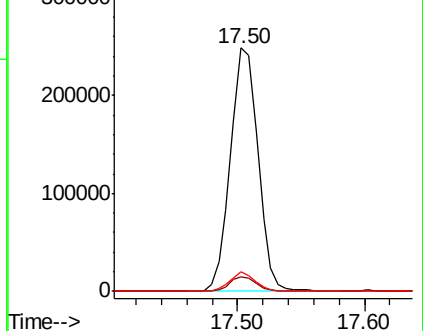
80 7.8 6.4 9.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 7.584 ng

RT: 16.25 min Scan# 2240

Delta R.T. 0.35 min

Lab File: BG040894.D

Acq: 12 May 2019 5:20

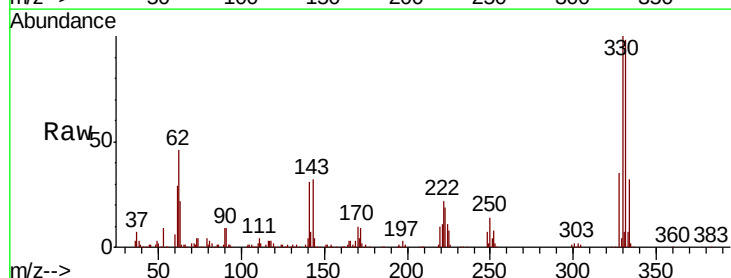
Tgt Ion:198 Resp: 1044

Ion Ratio Lower Upper

198 100

51 18.2 35.9 75.9#

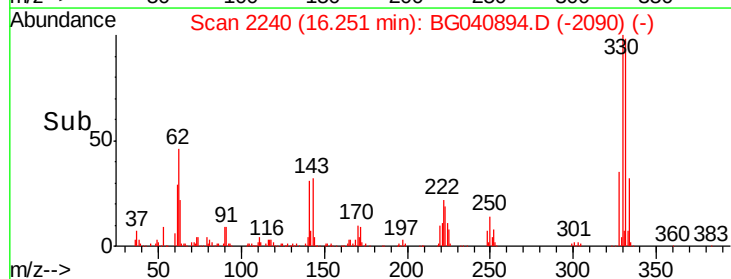
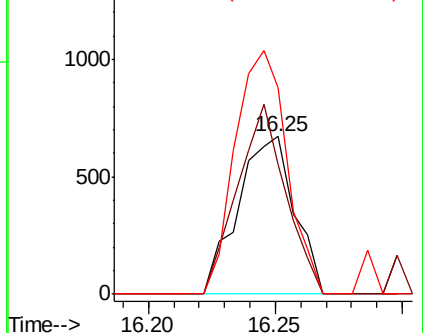
105 29.1 21.2 61.2

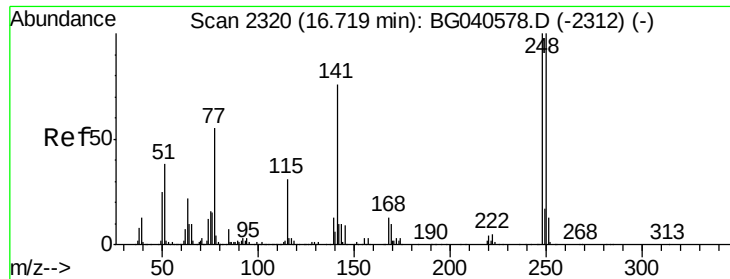


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

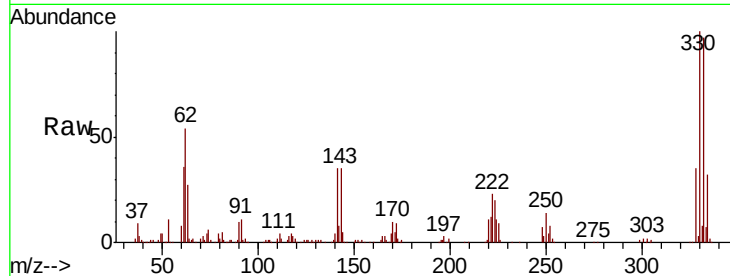




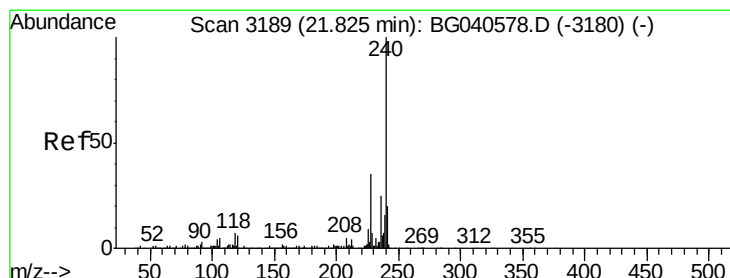
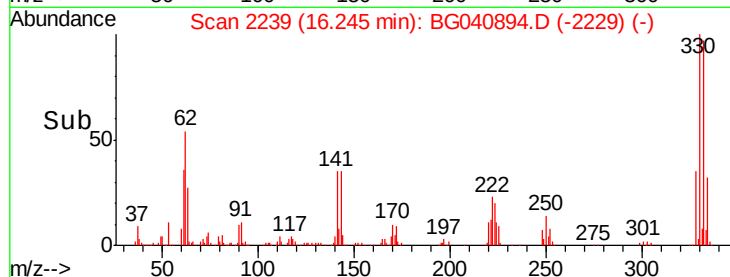
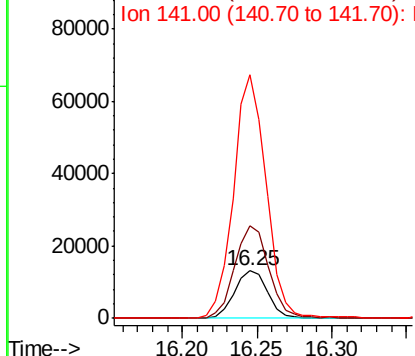
#67
 4-Bromophenyl-phenylether
 Concen: 4.394 ng
 RT: 16.25 min Scan# 2239
 Delta R.T. -0.47 min
 Lab File: BG040894.D
 Acq: 12 May 2019 5:20

Instrument :
 BNA_G
 ClientSampleId :
 PB119655BL

Tgt Ion:248 Resp: 20460
 Ion Ratio Lower Upper
 248 100
 250 143.5 79.8 119.6#
 141 375.6 60.8 91.2#

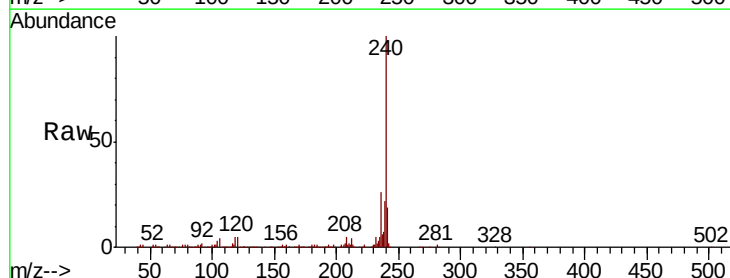


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

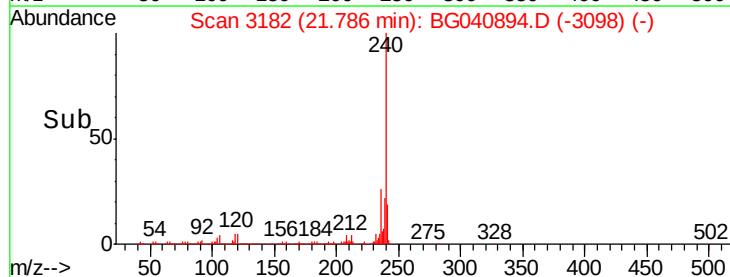
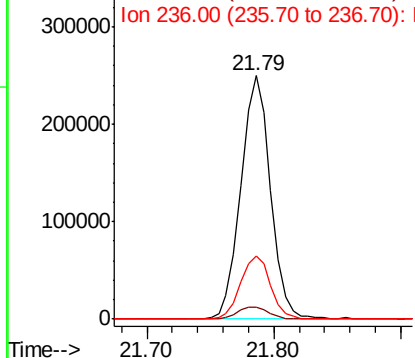


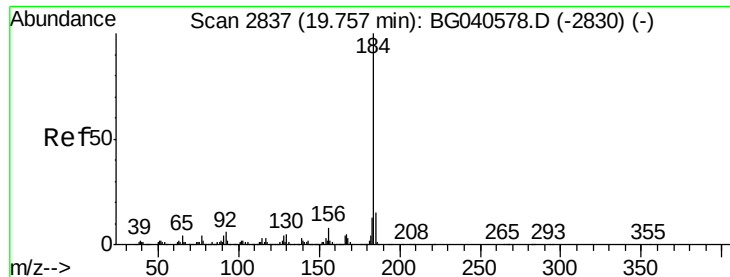
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.79 min Scan# 3182
 Delta R.T. -0.04 min
 Lab File: BG040894.D
 Acq: 12 May 2019 5:20

Tgt Ion:240 Resp: 404033
 Ion Ratio Lower Upper
 240 100
 120 4.8 5.0 7.6#
 236 25.7 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: 2.571 ng

RT: 20.10 min Scan# 2895

Delta R.T. 0.34 min

Lab File: BG040894.D

Acq: 12 May 2019 5:20

Instrument :

BNA_G

ClientSampleId :

PB119655BL

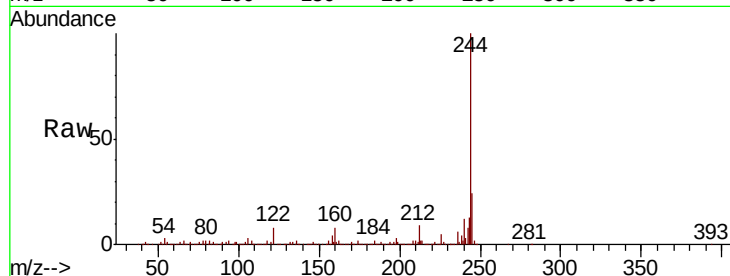
Tgt Ion:184 Resp: 28438

Ion Ratio Lower Upper

184 100

185 13.3 11.8 17.8

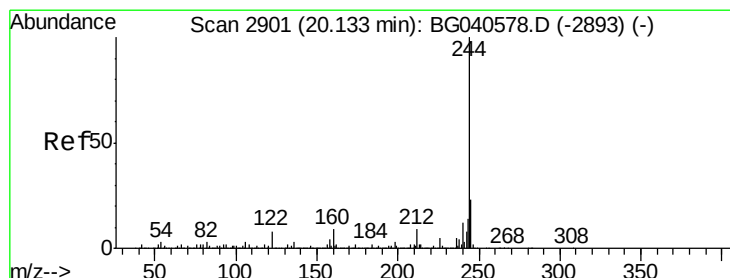
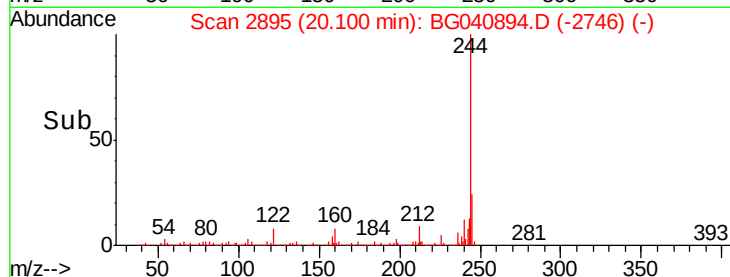
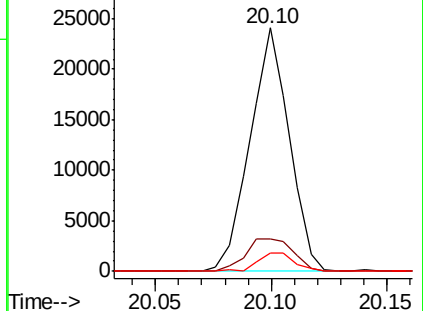
183 7.5 10.2 15.2#



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: 88.749 ng

RT: 20.10 min Scan# 2895

Delta R.T. -0.03 min

Lab File: BG040894.D

Acq: 12 May 2019 5:20

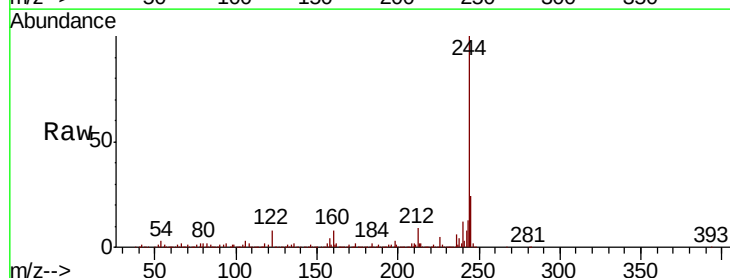
Tgt Ion:244 Resp: 1618534

Ion Ratio Lower Upper

244 100

212 8.9 7.2 10.8

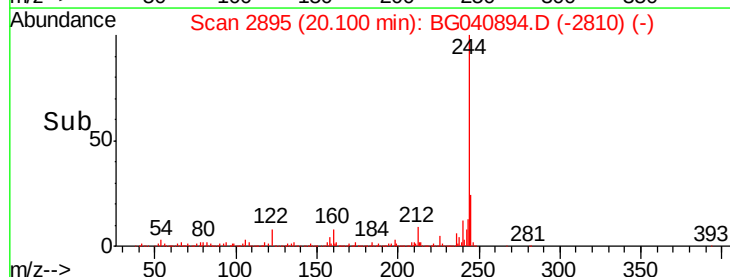
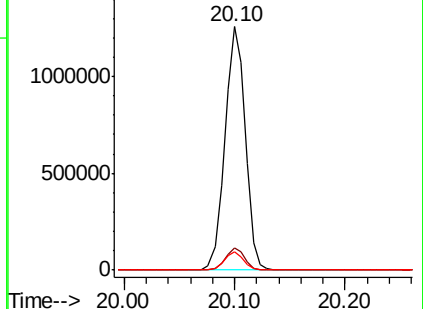
122 7.6 6.6 10.0

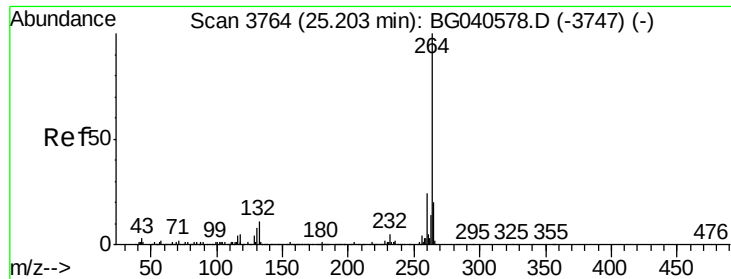


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.13 min Scan# 3751
Delta R.T. -0.07 min
Lab File: BG040894.D
Acq: 12 May 2019 5:20

Instrument :
BNA_G
ClientSampleId :
PB119655BL

Tgt Ion:	264	Resp:	428214
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	19.4	16.6	25.0

