

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG043019\
 Data File : BG040684.D
 Acq On : 30 Apr 2019 22:53
 Operator : JU/SJ
 Sample : K2194-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 01 02:19:59 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

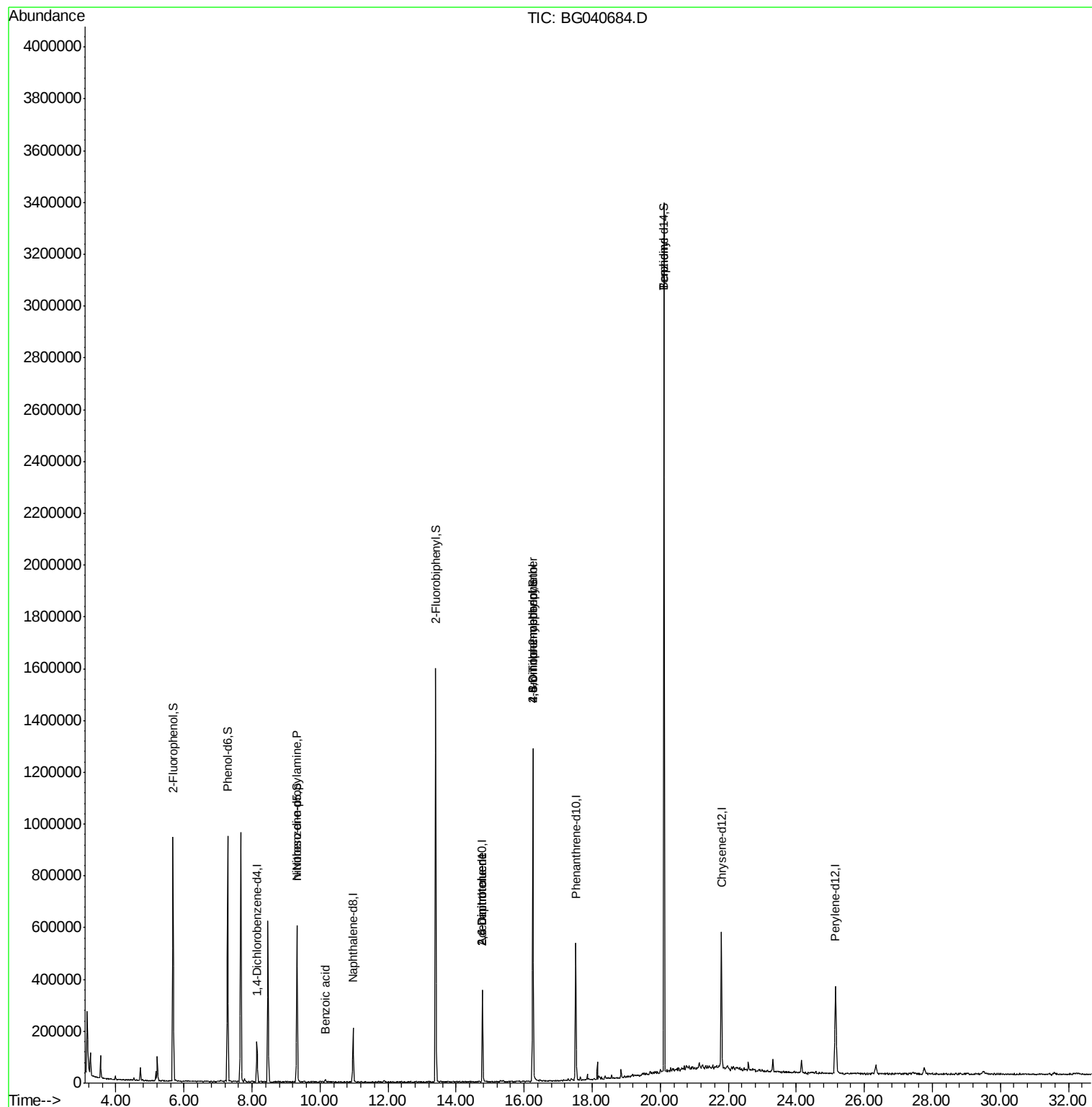
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	39274	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	160218	20.00	ng	-0.01
39) Acenaphthene-d10	14.77	164	116492	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	317437	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	317333	20.00	ng	-0.02
87) Perylene-d12	25.16	264	340235	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	328654	147.51	ng	0.00
7) Phenol-d6	7.28	99	461194	134.44	ng	-0.01
23) Nitrobenzene-d5	9.32	82	365076	105.29	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	230873	144.19	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	768103	95.22	ng	-0.02
79) Terphenyl-d14	20.11	244	1526999	106.61	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1225	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.33	70	53941	17.468 ng	#	33
32) Benzoic acid	10.16	122	3613	2.121 ng	#	75
51) 2,6-Dinitrotoluene	14.77	165	14731	7.744 ng	#	84
57) 2,4-Dinitrotoluene	14.77	165	14731	5.699 ng	#	15
65) 4,6-Dinitro-2-methylphenol	16.26	198	594	7.425 ng	#	17
67) 4-Bromophenyl-phenylether	16.26	248	17357	4.389 ng	#	1
77) Benzidine	20.11	184	27811	3.201 ng	#	1
						98

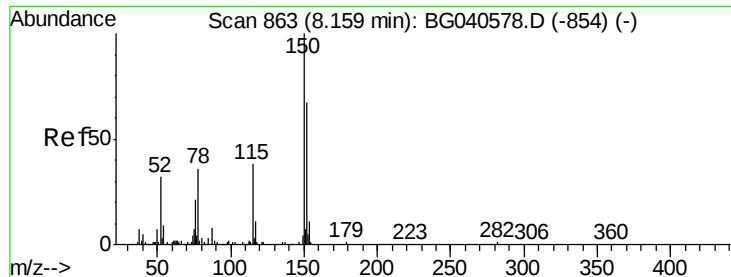
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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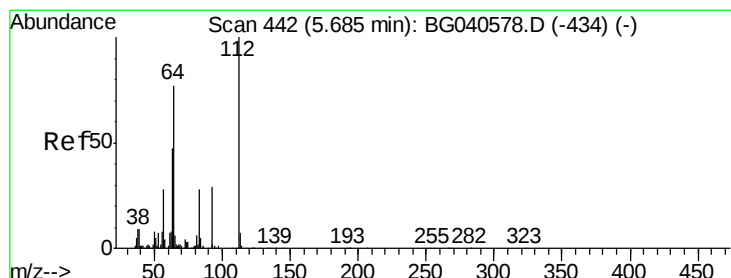
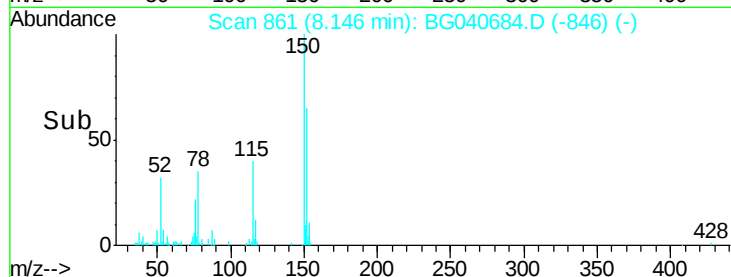
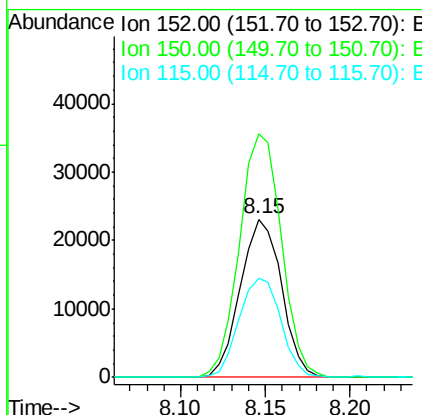
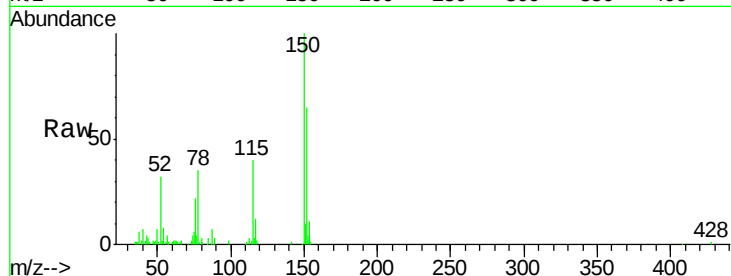


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040684.D
Acq: 30 Apr 2019 22:53

Instrument :
BNA_G
ClientSampleId :

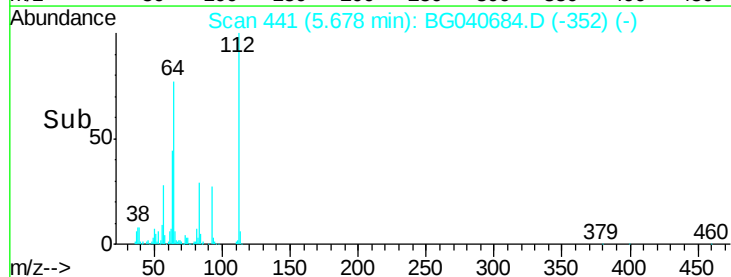
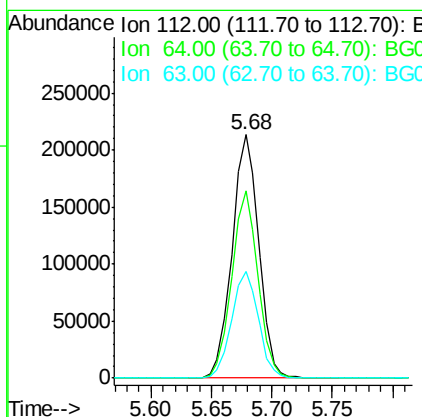
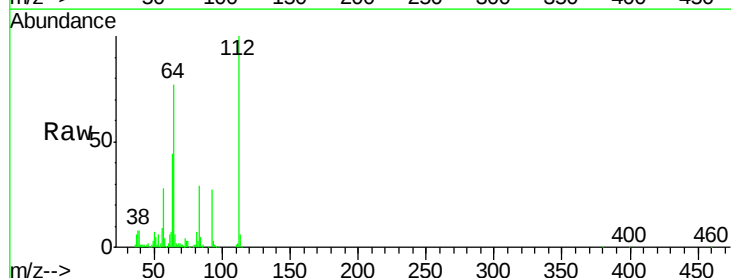
Tot Ion:152 Resp: 39274
Ion Ratio Lower Upper
152 100
150 153.9 120.2 180.2
115 62.3 46.2 69.2

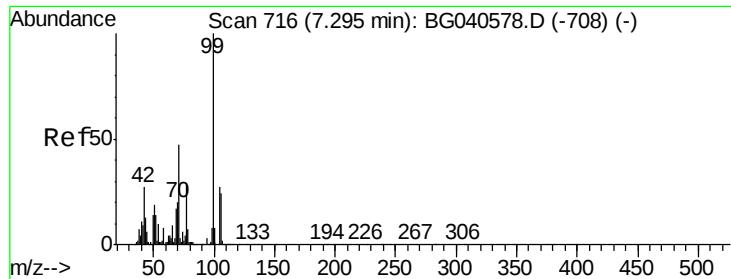


#5

2-Fluorophenol
Concen: 147.512 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.01 min
Lab File: BG040684.D
Acq: 30 Apr 2019 22:53

Tgt Ion:112 Resp: 328654
Ion Ratio Lower Upper
112 100
64 76.9 61.4 92.0
63 43.7 37.8 56.6





#7

Phenol-d6

Concen: 134.441 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040684.D

Acq: 30 Apr 2019 22:53

Instrument :

BNA_G

ClientSampleId :

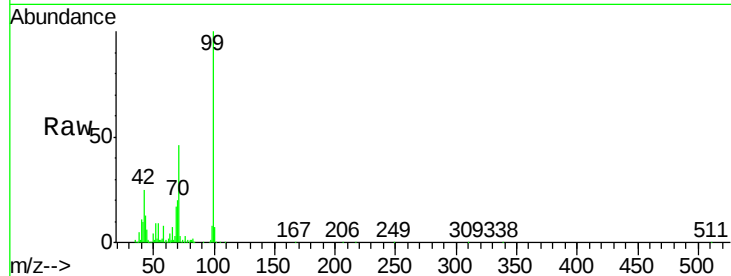
Tot Ion: 99 Resp: 461194

Ion Ratio Lower Upper

99 100

42 25.5 21.8 32.8

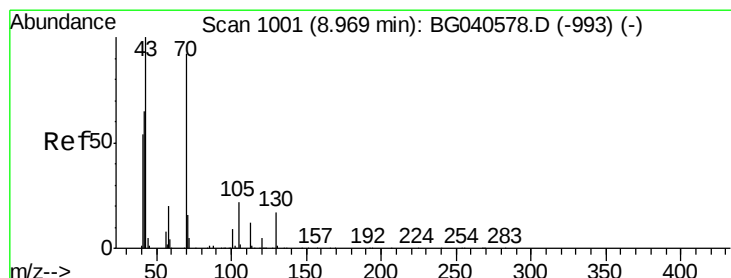
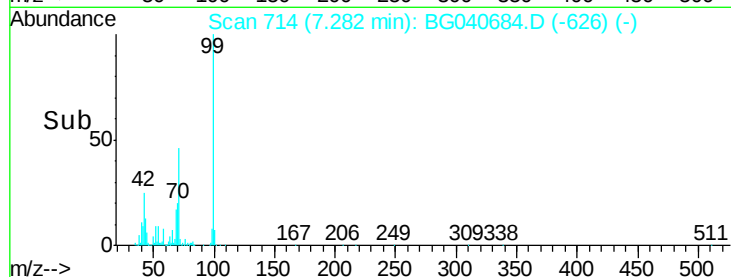
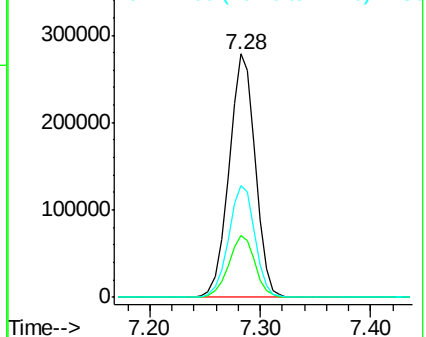
71 45.9 38.6 57.8



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: 17.468 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG040684.D

Acq: 30 Apr 2019 22:53

Tgt Ion: 70 Resp: 53941

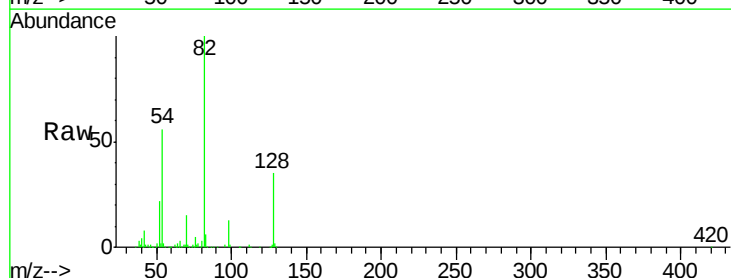
Ion Ratio Lower Upper

70 100

42 53.3 57.1 85.7#

101 0.0 7.8 11.8#

130 2.2 14.6 21.8#

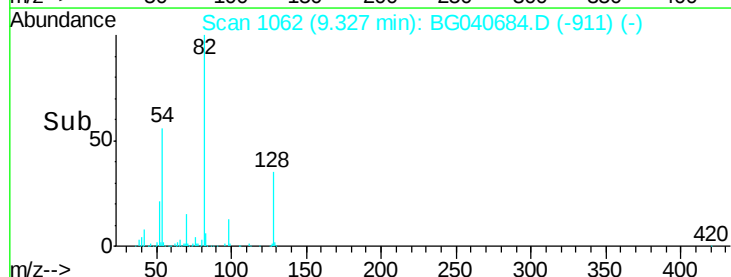
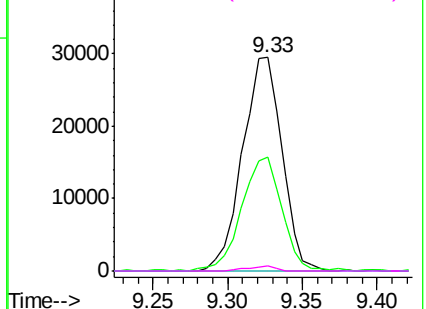


Abundance Ion 70.00 (69.70 to 70.70): BGC

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# 1342

Delta R.T. -0.01 min

Lab File: BG040684.D

Acq: 30 Apr 2019 22:53

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 160218

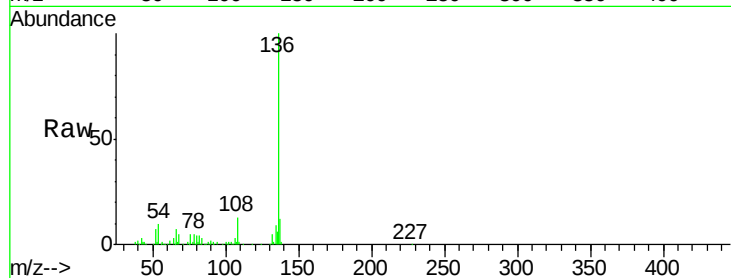
Ion Ratio Lower Upper

136 100

137 12.0 9.7 14.5

54 10.1 8.6 12.8

68 5.4 4.8 7.2

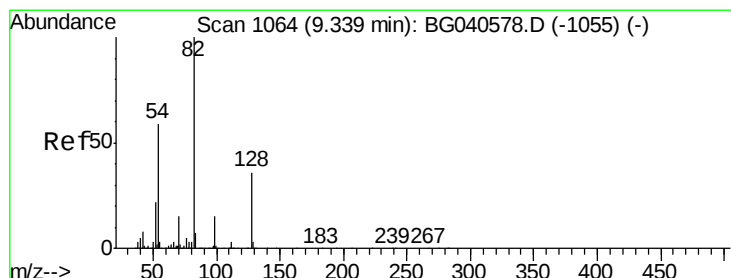
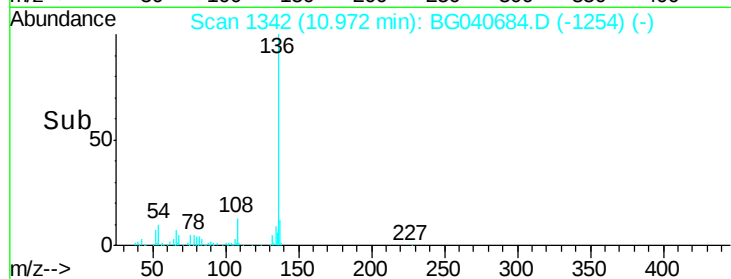
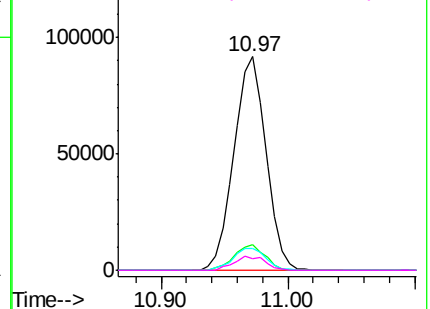


Abundance Ion 136.00 (135.70 to 136.70): E

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: 105.287 ng

RT: 9.32 min Scan# 1061

Delta R.T. -0.02 min

Lab File: BG040684.D

Acq: 30 Apr 2019 22:53

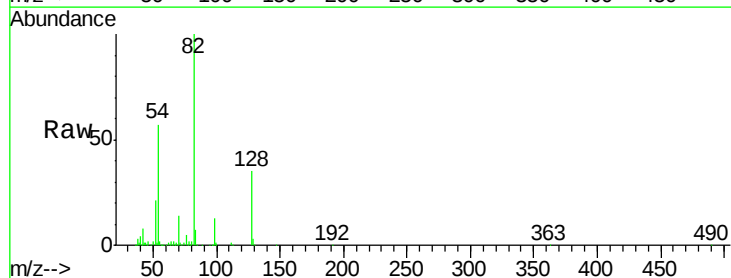
Tgt Ion: 82 Resp: 365076

Ion Ratio Lower Upper

82 100

128 34.8 28.9 43.3

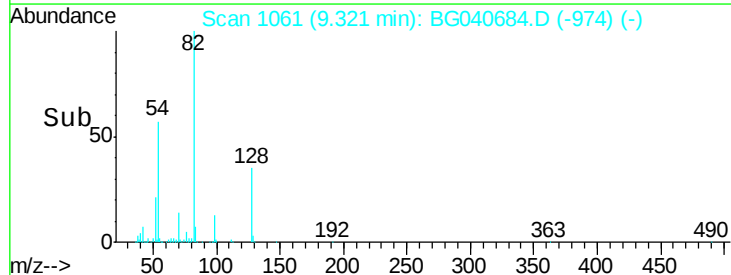
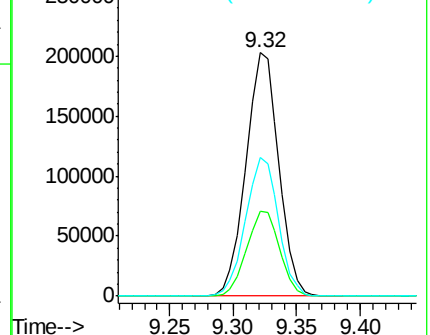
54 57.2 47.2 70.8

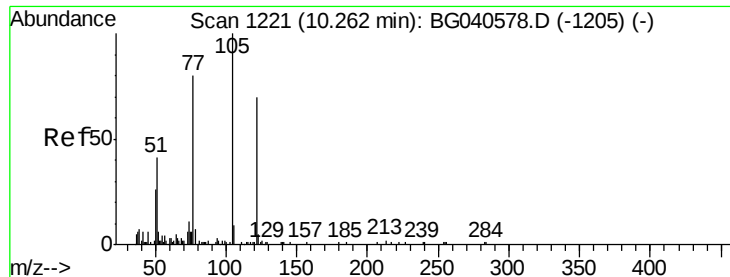


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

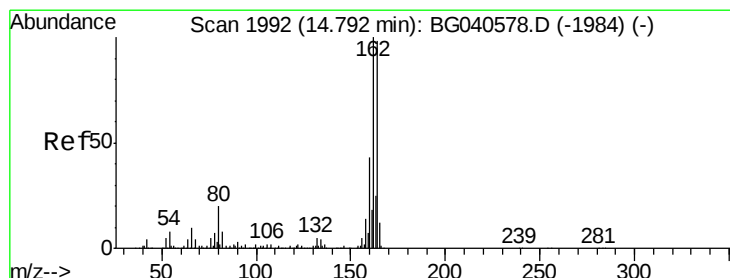
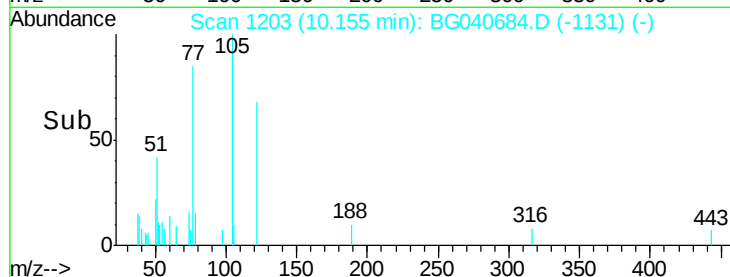
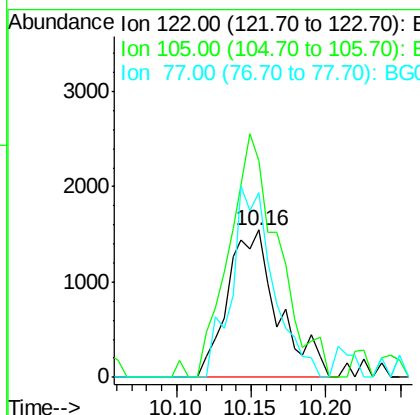
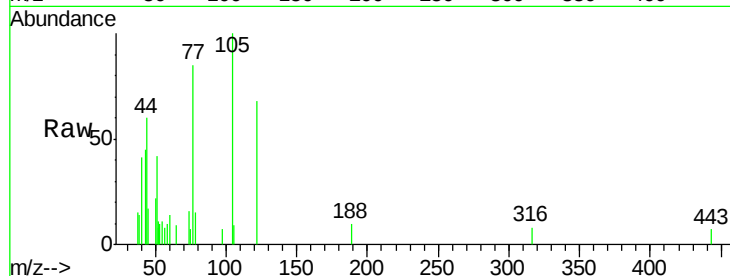




#32
Benzoic acid
Concen: 2.121 ng
RT: 10.16 min Scan# 1203
Delta R.T. -0.11 min
Lab File: BG040684.D
Acq: 30 Apr 2019 22:53

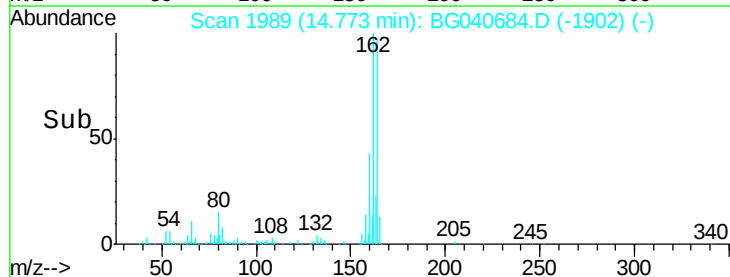
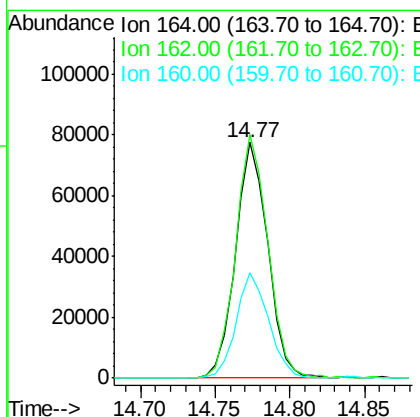
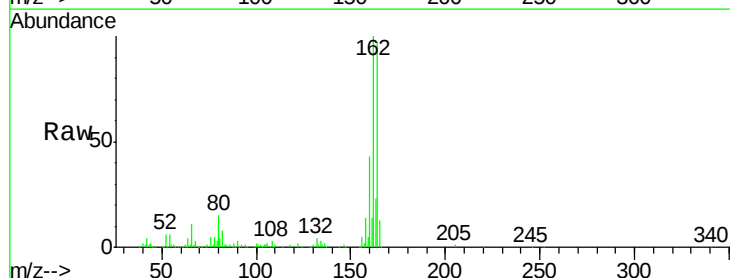
Instrument :
BNA_G
ClientSampleId :

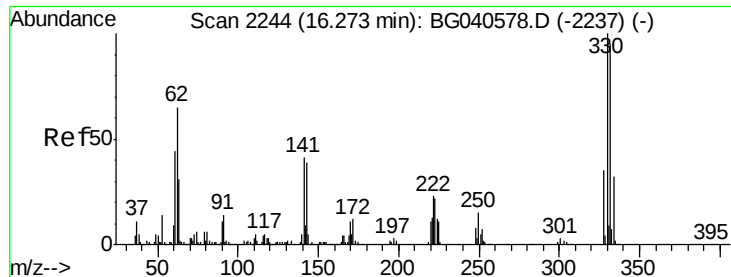
Tot Ion:122 Resp: 3613
Ion Ratio Lower Upper
122 100
105 147.7 110.9 150.9
77 125.3 87.6 127.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BG040684.D
Acq: 30 Apr 2019 22:53

Tgt Ion:164 Resp: 116492
Ion Ratio Lower Upper
164 100
162 103.4 81.9 122.9
160 44.8 35.4 53.2

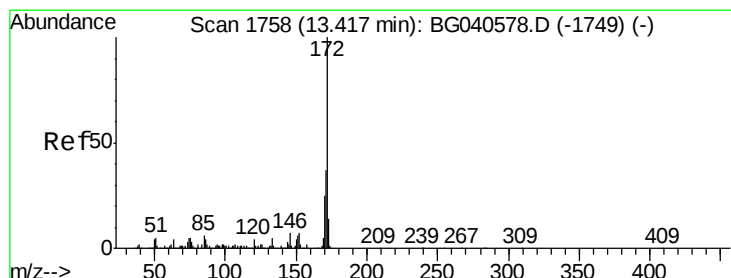
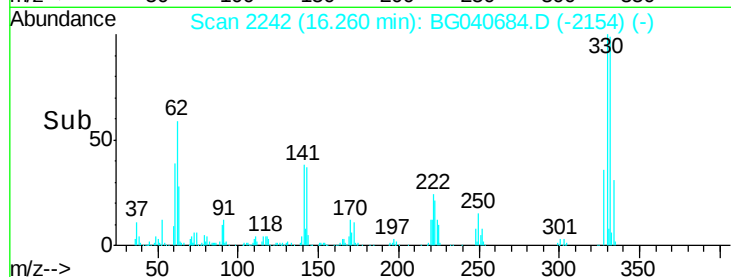
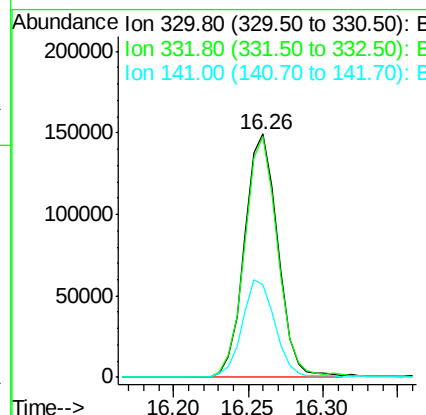
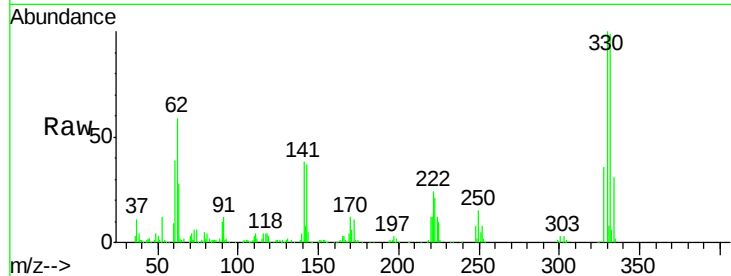




#42
 2,4,6-Tribromophenol
 Concen: 144.187 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.01 min
 Lab File: BG040684.D
 Acq: 30 Apr 2019 22:53

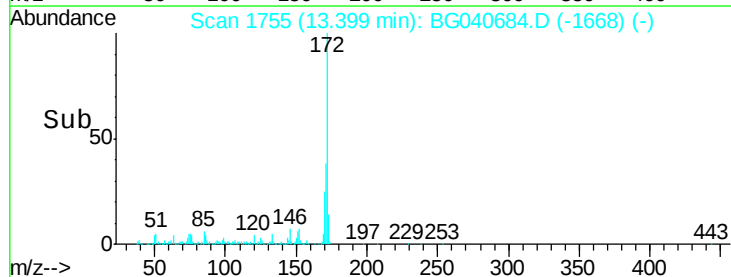
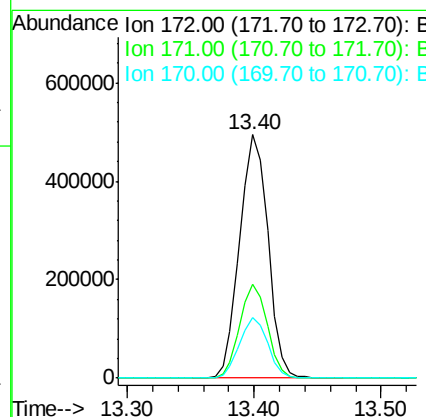
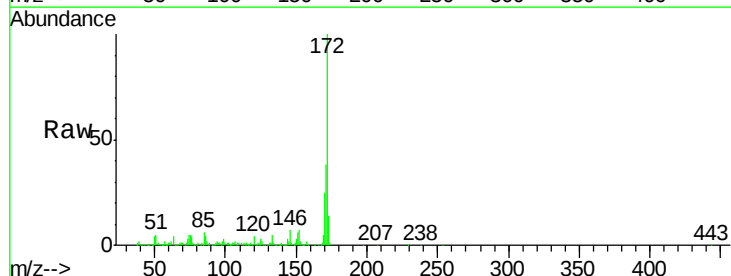
Instrument :
 BNA_G
 ClientSampleId :

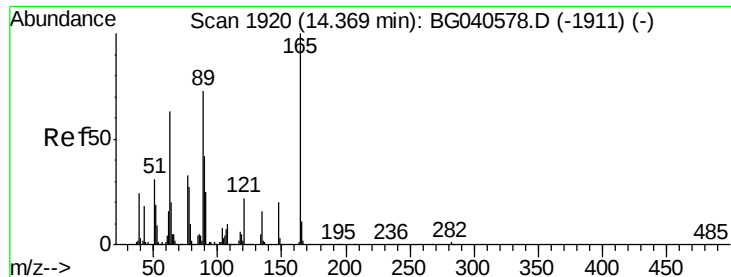
Tot Ion	Ratio	Lower	Upper
330	100		
332	99.5	75.9	113.9
141	40.0	32.4	48.6



#45
 2-Fluorobiphenyl
 Concen: 95.225 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG040684.D
 Acq: 30 Apr 2019 22:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.4	44.2
170	24.9	19.9	29.9

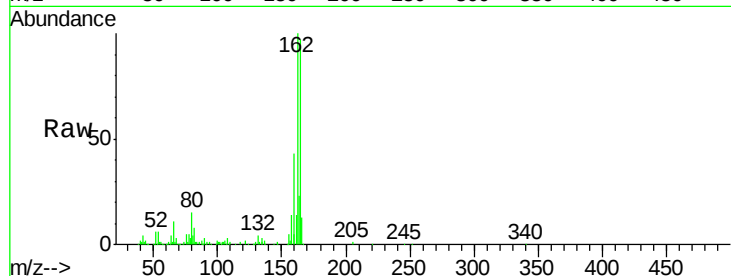




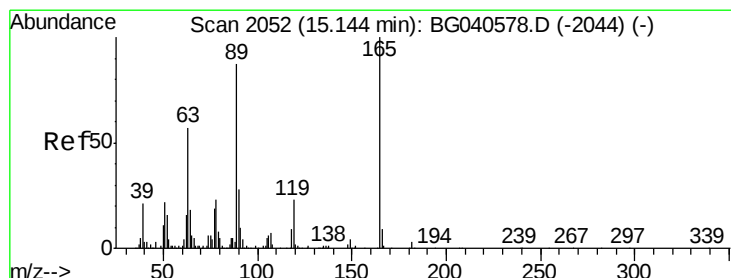
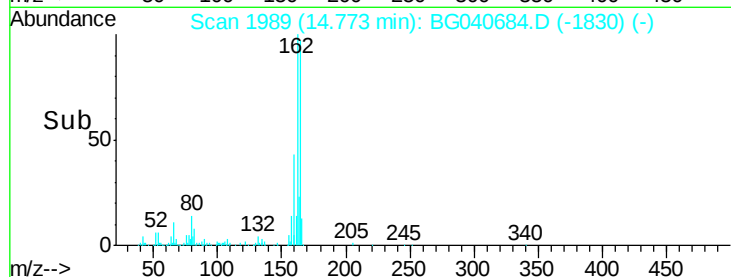
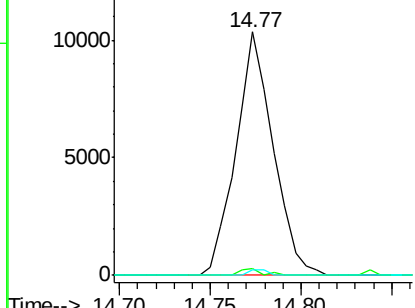
#51
 2,6-Dinitrotoluene
 Concen: 7.744 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.40 min
 Lab File: BG040684.D
 Acq: 30 Apr 2019 22:53

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 14731
 Ion Ratio Lower Upper
 165 100
 63 3.0 61.0 91.4#
 89 2.5 58.6 87.8#

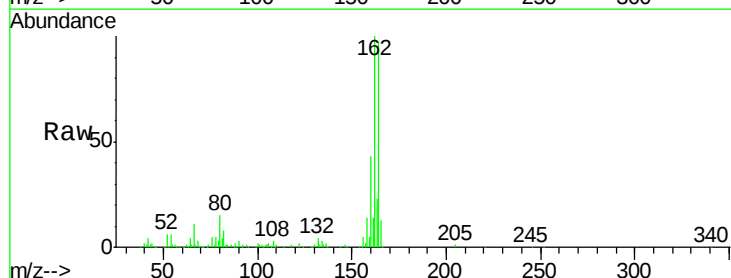


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

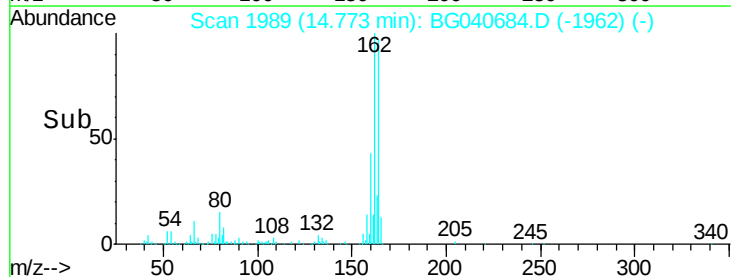
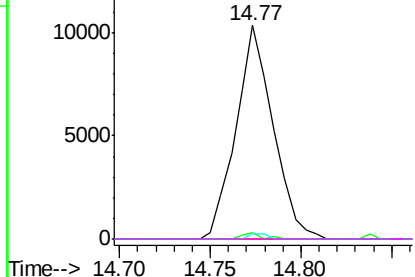


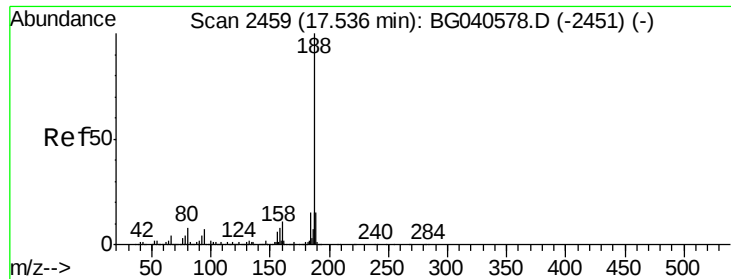
#57
 2,4-Dinitrotoluene
 Concen: 5.699 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.37 min
 Lab File: BG040684.D
 Acq: 30 Apr 2019 22:53

Tgt Ion:165 Resp: 14731
 Ion Ratio Lower Upper
 165 100
 63 3.0 45.8 68.8#
 89 2.5 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: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040684.D

Acq: 30 Apr 2019 22:53

Instrument :

BNA_G

ClientSampled :

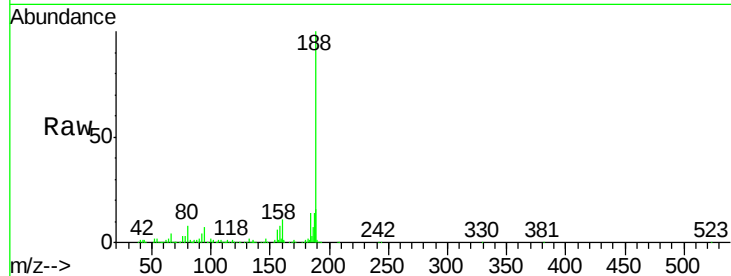
Tot Ion:188 Resp: 317437

Ion Ratio Lower Upper

188 100

94 6.6 5.6 8.4

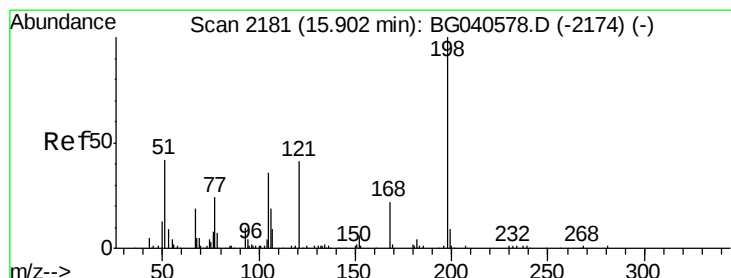
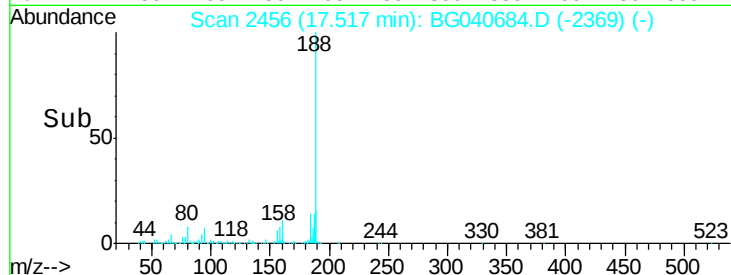
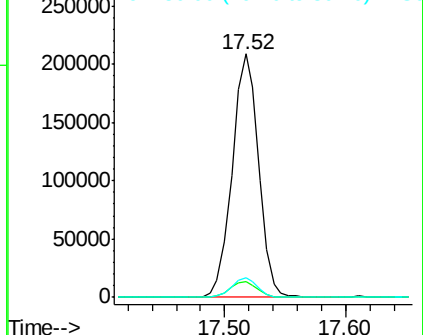
80 8.1 6.4 9.6



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: 7.425 ng

RT: 16.26 min Scan# 2242

Delta R.T. 0.36 min

Lab File: BG040684.D

Acq: 30 Apr 2019 22:53

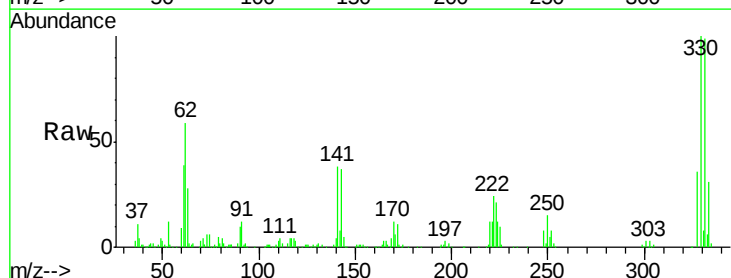
Tgt Ion:198 Resp: 594

Ion Ratio Lower Upper

198 100

51 183.1 35.9 75.9#

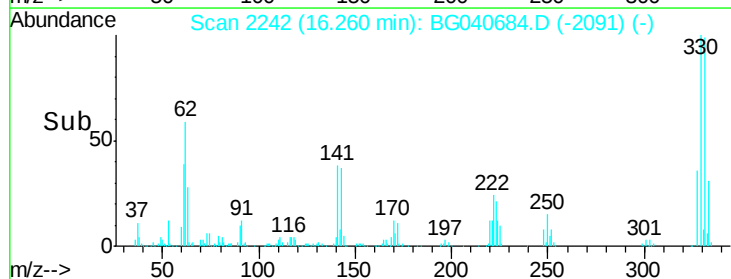
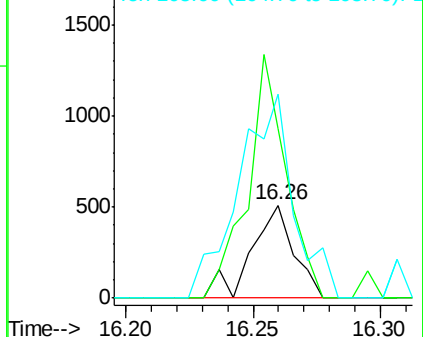
105 220.6 21.2 61.2#

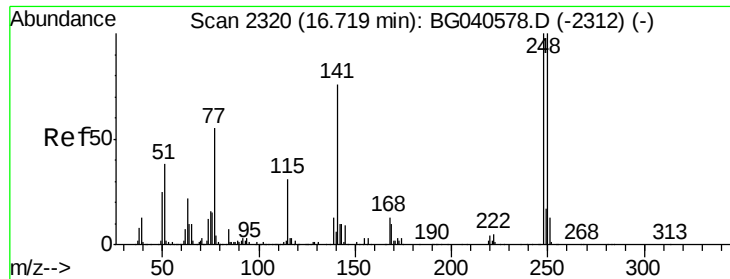


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

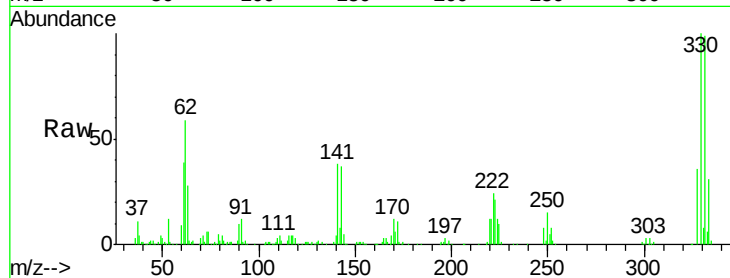




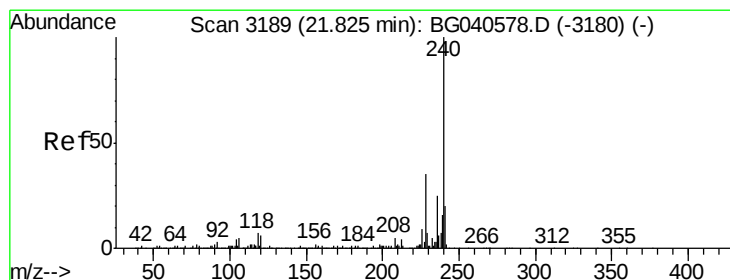
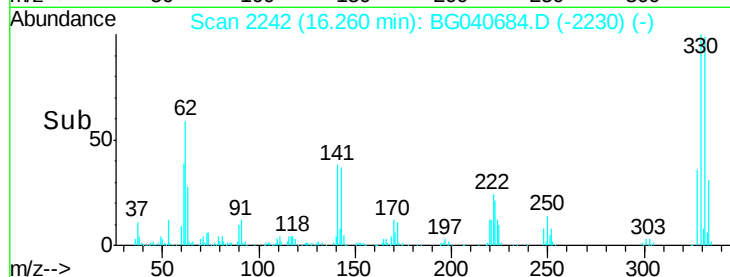
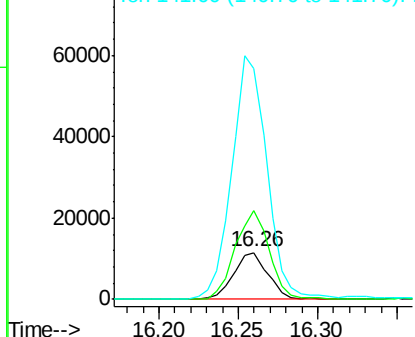
#67
4-Bromophenyl-phenylether
Concen: 4.389 ng
RT: 16.26 min Scan# 2242
Delta R.T. -0.46 min
Lab File: BG040684.D
Acq: 30 Apr 2019 22:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 17357
Ion Ratio Lower Upper
248 100
250 187.3 79.8 119.6#
141 491.2 60.8 91.2#

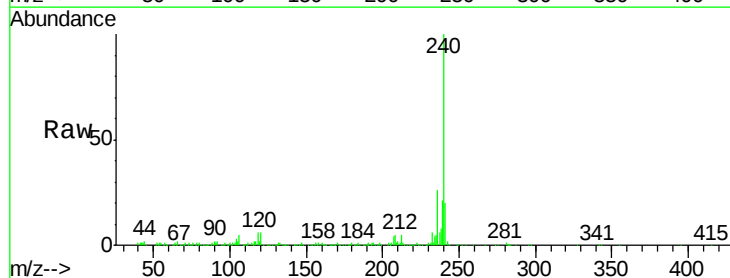


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

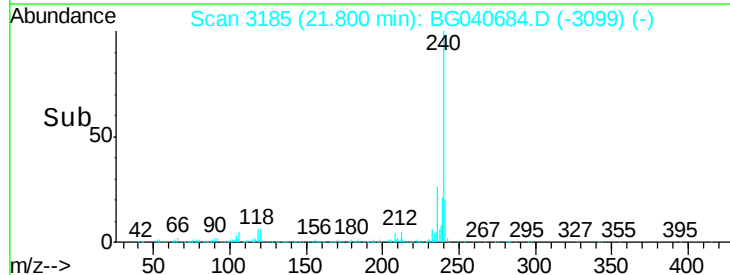
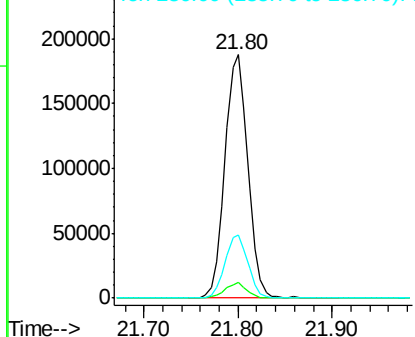


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.02 min
Lab File: BG040684.D
Acq: 30 Apr 2019 22:53

Tgt Ion:240 Resp: 317333
Ion Ratio Lower Upper
240 100
120 6.5 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: 3.201 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG040684.D

Acq: 30 Apr 2019 22:53

Instrument :

BNA_G

ClientSampleId :

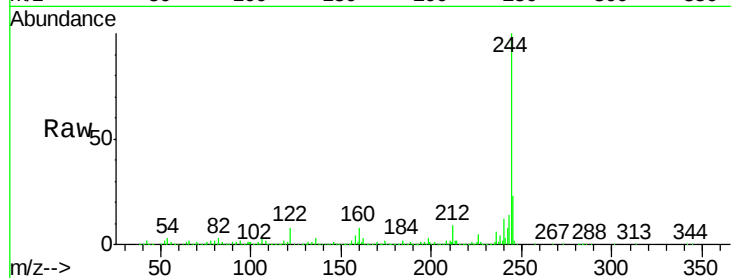
Tot Ion:184 Resp: 27811

Ion Ratio Lower Upper

184 100

185 14.8 11.8 17.8

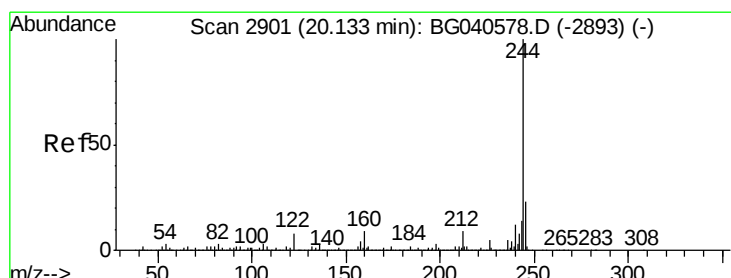
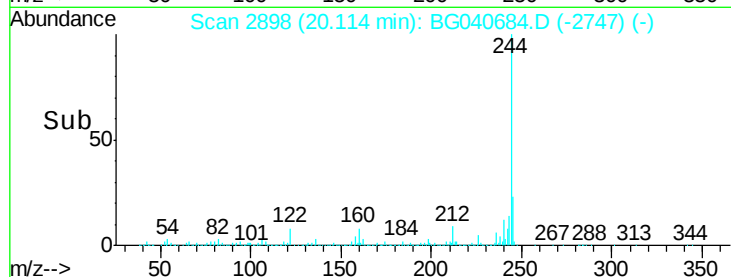
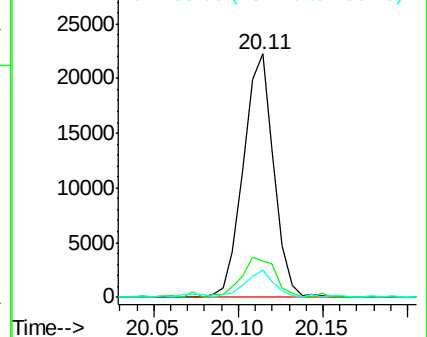
183 11.0 10.2 15.2



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: 106.606 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040684.D

Acq: 30 Apr 2019 22:53

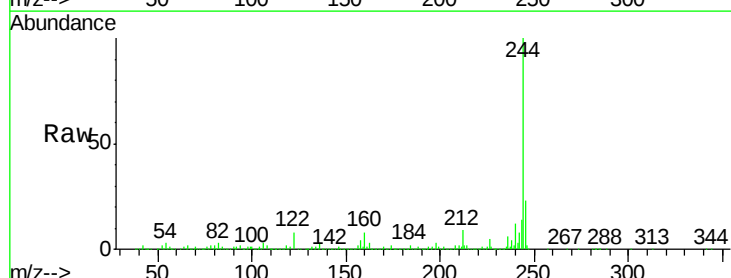
Tgt Ion:244 Resp: 1526999

Ion Ratio Lower Upper

244 100

212 9.0 7.2 10.8

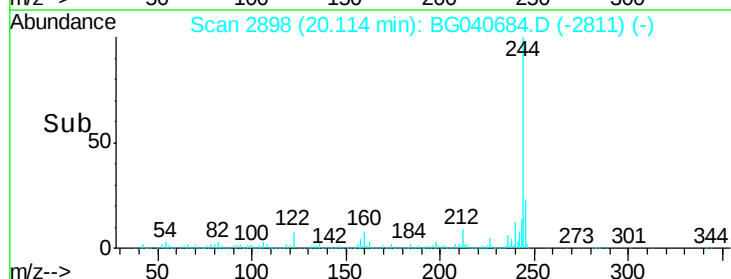
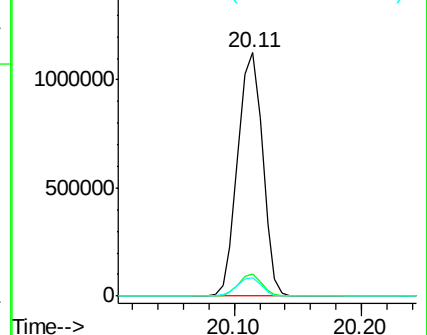
122 7.5 6.6 10.0



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

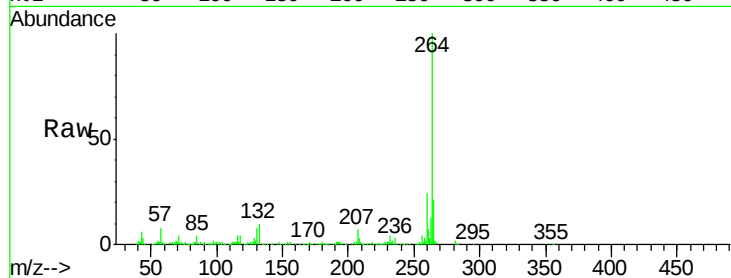




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.16 min Scan# 3756
 Delta R.T. -0.05 min
 Lab File: BG040684.D
 Acq: 30 Apr 2019 22:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.4	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

