

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050219\
 Data File : BG040723.D
 Acq On : 3 May 2019 1:19
 Operator : JU/SJ
 Sample : PB119404BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB119404BL

Quant Time: May 03 04:25:42 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

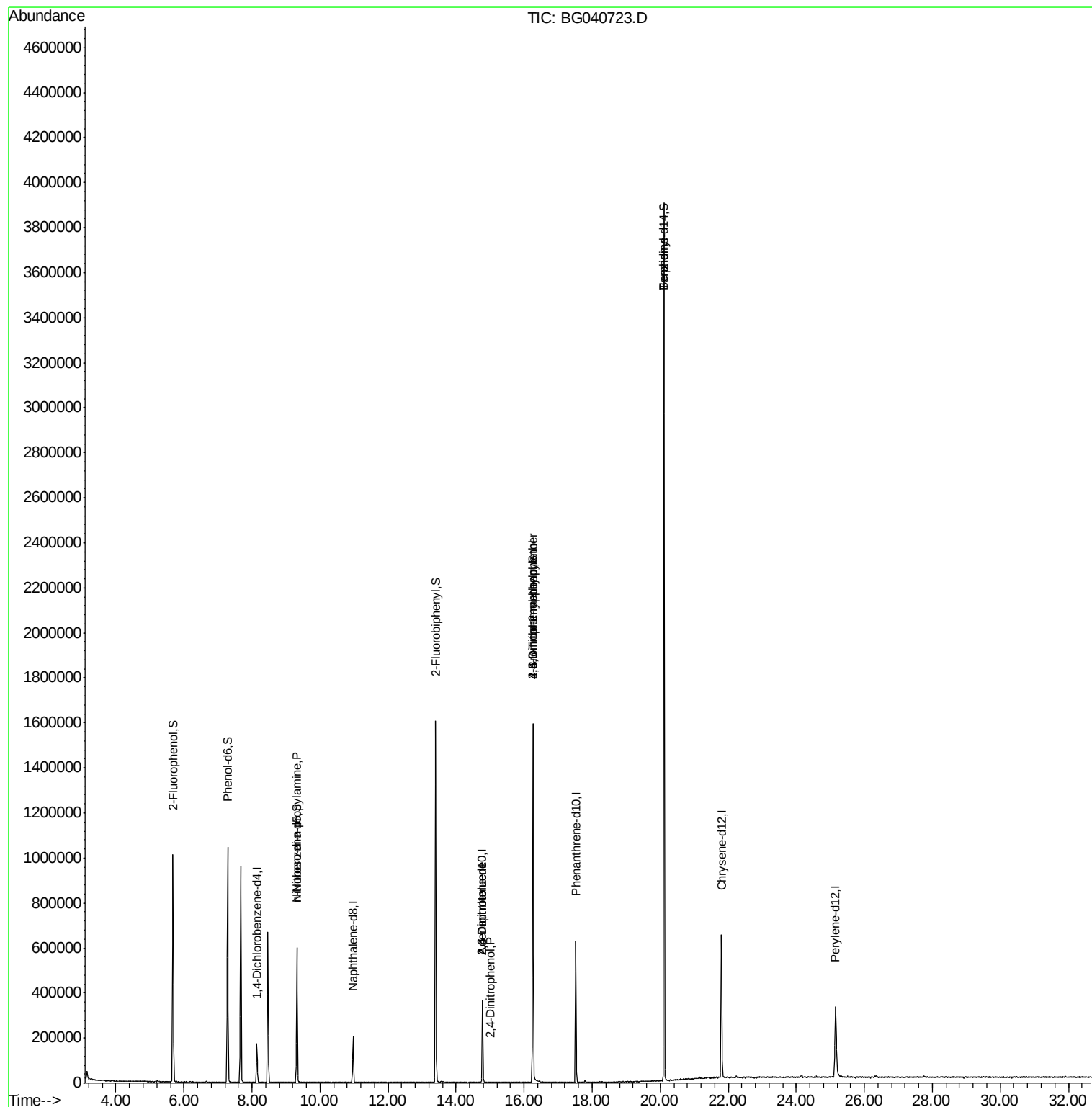
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	39824	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	165841	20.00	ng	-0.01
39) Acenaphthene-d10	14.77	164	121136	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	370316	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	385651	20.00	ng	-0.02
87) Perylene-d12	25.16	264	385149	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	359092	158.95	ng	0.00
7) Phenol-d6	7.28	99	523852	150.60	ng	-0.01
23) Nitrobenzene-d5	9.32	82	357047	99.48	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	285922	171.72	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	776992	92.63	ng	-0.02
79) Terphenyl-d14	20.11	244	1737308	99.80	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.29	77	1252	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.32	70	51951	16.591 ng	#	69
51) 2,6-Dinitrotoluene	14.77	165	15436	7.804 ng	#	15
54) 2,4-Dinitrophenol	15.00	184	81	7.081 ng	#	21
57) 2,4-Dinitrotoluene	14.77	165	15436	5.743 ng	#	16
65) 4,6-Dinitro-2-methylphenol	16.26	198	1028	7.581 ng	#	1
67) 4-Bromophenyl-phenylether	16.26	248	20129	4.363 ng	#	1
77) Benzidine	20.11	184	33746	3.196 ng	#	93

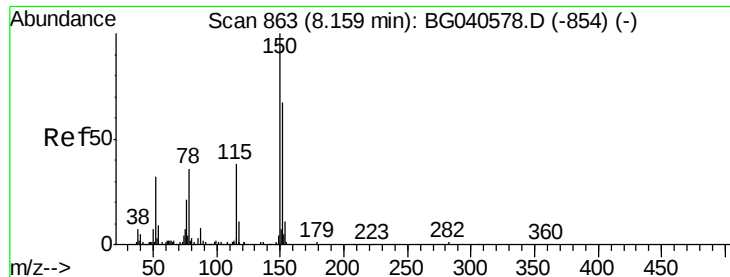
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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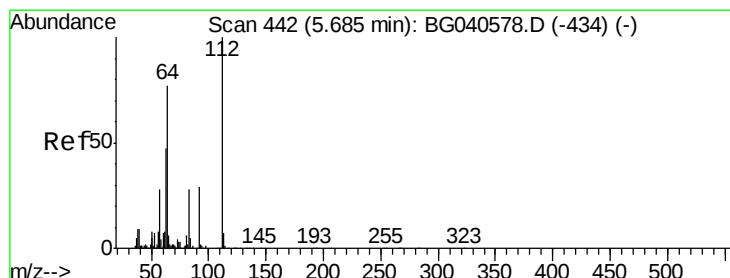
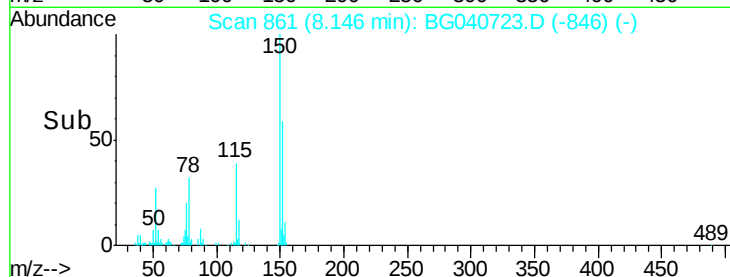
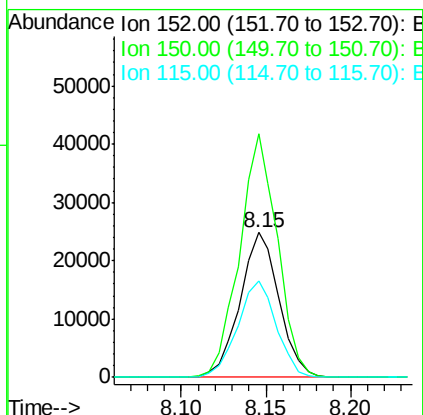
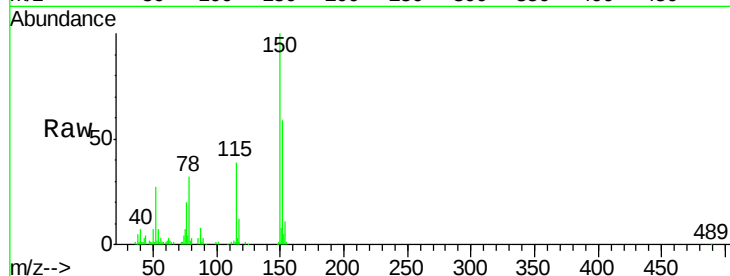


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040723.D
Acq: 3 May 2019 1:19

Instrument :
BNA_G
ClientSampleId :
PB119404BL

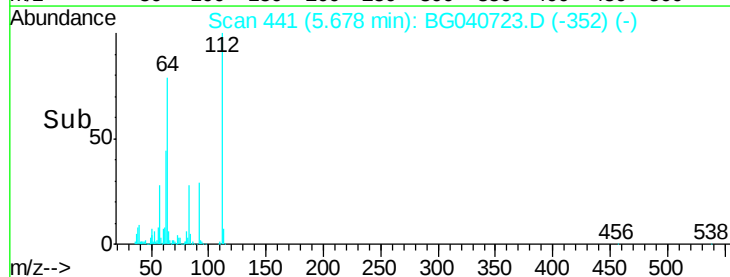
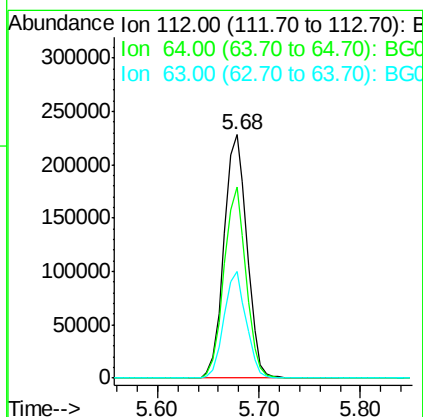
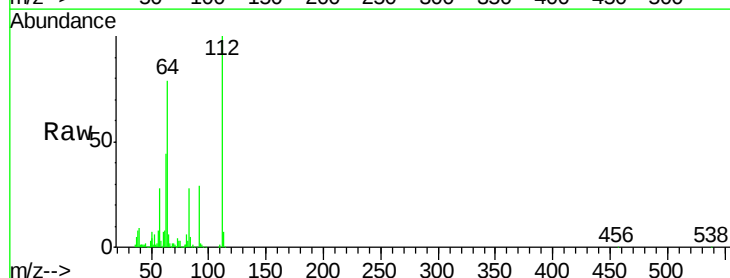
Tot Ion:152 Resp: 39824
Ion Ratio Lower Upper
152 100
150 168.1 120.2 180.2
115 66.3 46.2 69.2

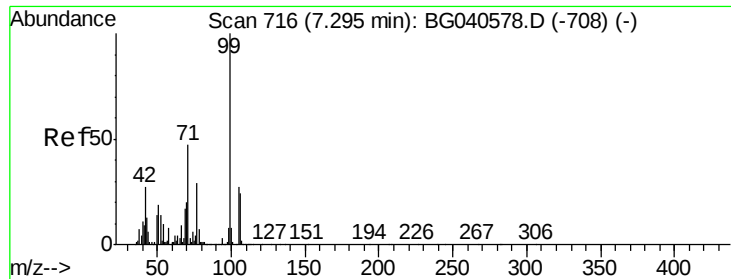


#5

2-Fluorophenol
Concen: 158.948 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.01 min
Lab File: BG040723.D
Acq: 3 May 2019 1:19

Tgt Ion:112 Resp: 359092
Ion Ratio Lower Upper
112 100
64 78.7 61.4 92.0
63 44.0 37.8 56.6





#7

Phenol-d6

Concen: 150.597 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040723.D

Acq: 3 May 2019 1:19

Instrument :

BNA_G

ClientSampleId :

PB119404BL

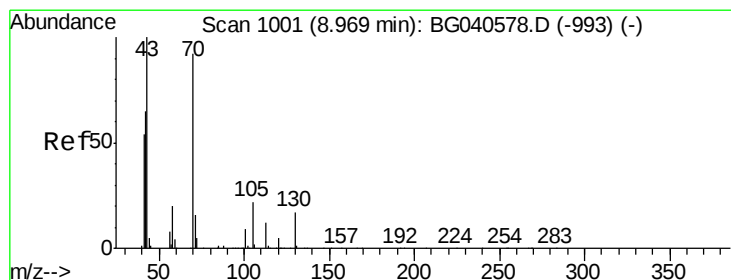
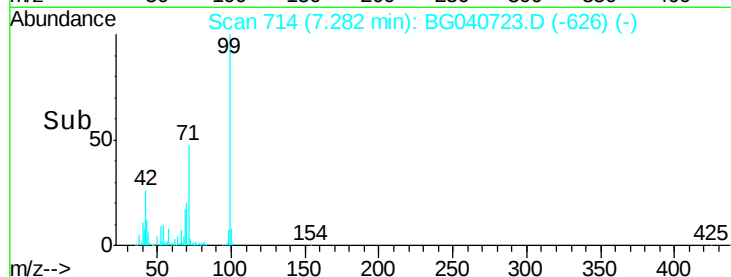
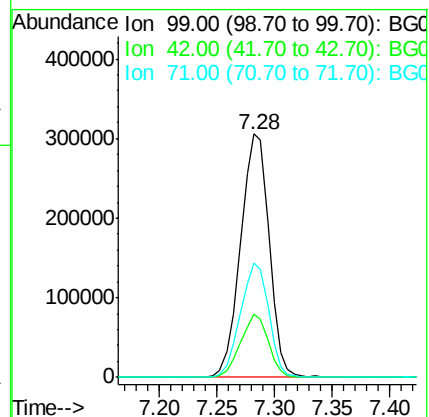
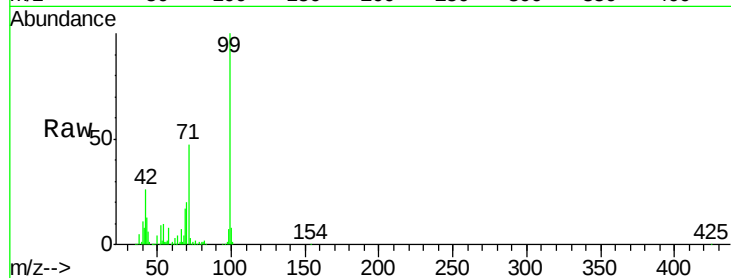
Tot Ion: 99 Resp: 523852

Ion Ratio Lower Upper

99 100

42 25.8 21.8 32.8

71 47.1 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 16.591 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040723.D

Acq: 3 May 2019 1:19

Tgt Ion: 70 Resp: 51951

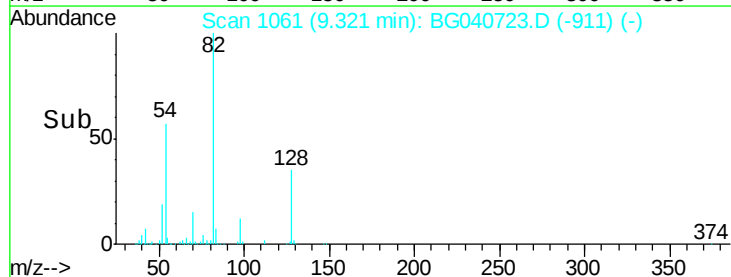
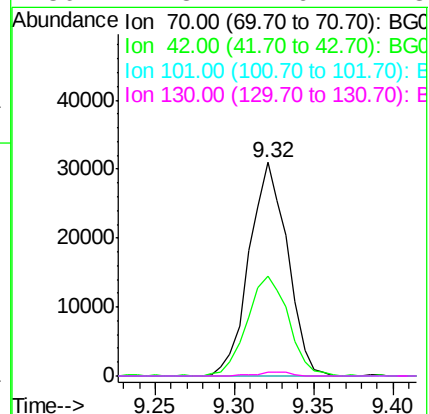
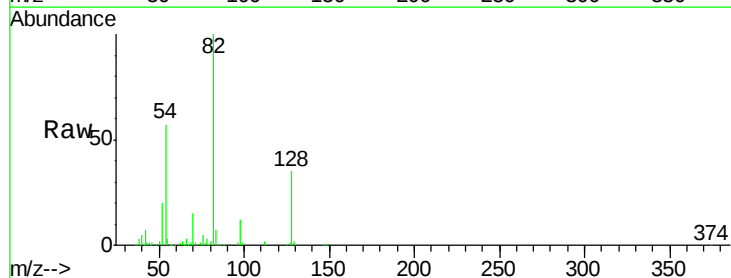
Ion Ratio Lower Upper

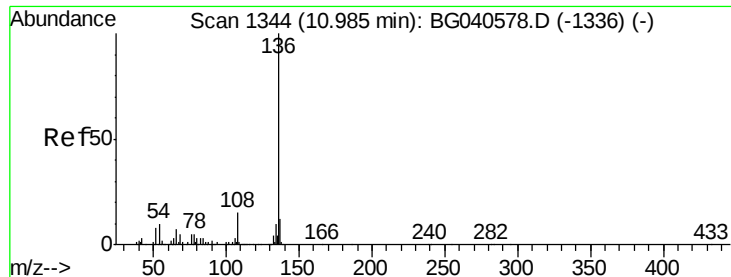
70 100

42 46.6 57.1 85.7#

101 0.0 7.8 11.8#

130 1.8 14.6 21.8#

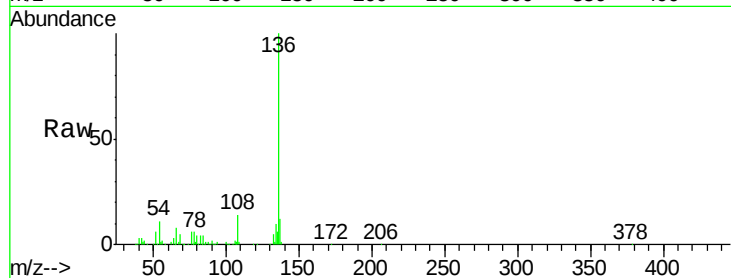




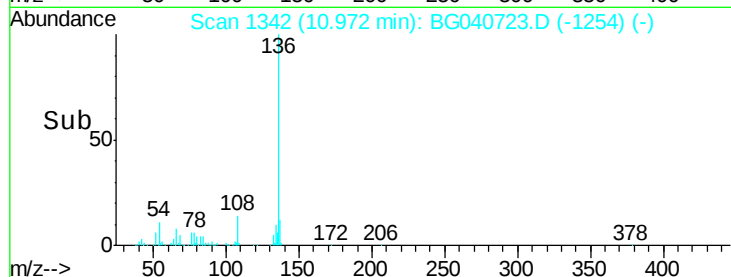
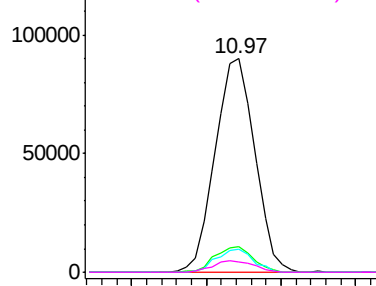
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BG040723.D
Acq: 3 May 2019 1:19

Instrument :
BNA_G
ClientSampleId :
PB119404BL

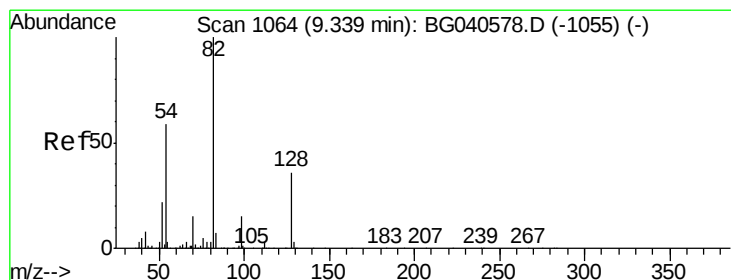
Tot Ion:136	Resp:	165841
Ion Ratio	Lower	Upper
136	100	
137	12.0	9.7 14.5
54	10.6	8.6 12.8
68	4.8	4.8 7.2



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

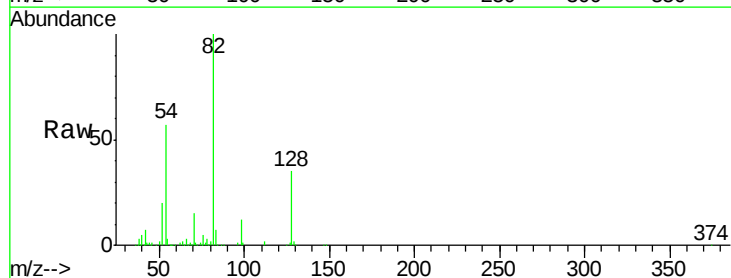


Time-->

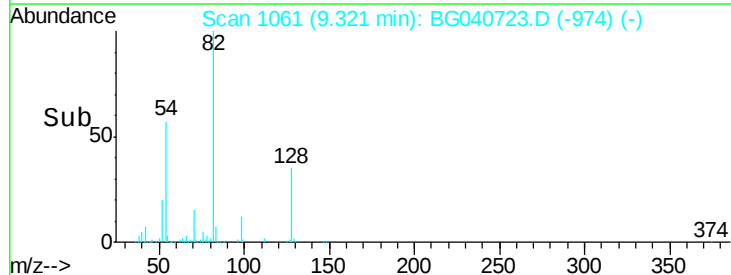
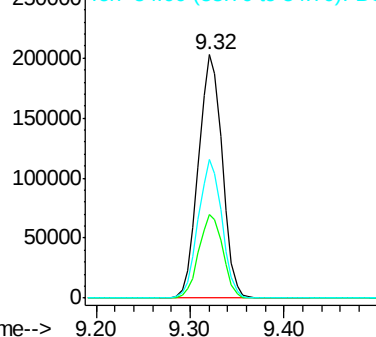


#23
Nitrobenzene-d5
Concen: 99.480 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040723.D
Acq: 3 May 2019 1:19

Tgt Ion: 82	Resp:	357047
Ion Ratio	Lower	Upper
82	100	
128	34.6	28.9 43.3
54	57.1	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# 1989

Delta R.T. -0.02 min

Lab File: BG040723.D

Acq: 3 May 2019 1:19

Instrument :

BNA_G

ClientSampled :

PB119404BL

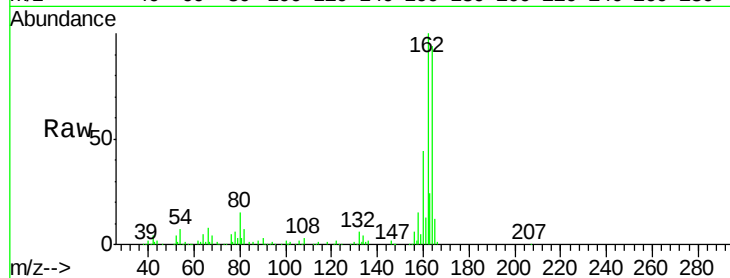
Tot Ion:164 Resp: 121136

Ion Ratio Lower Upper

164 100

162 106.4 81.9 122.9

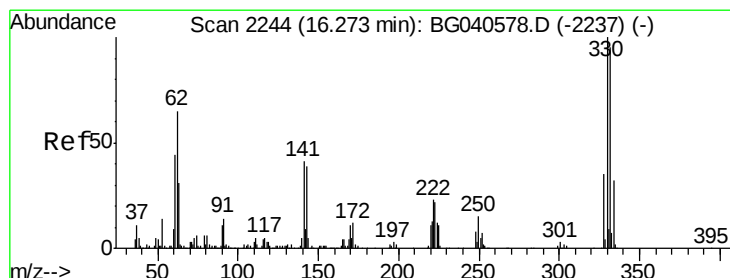
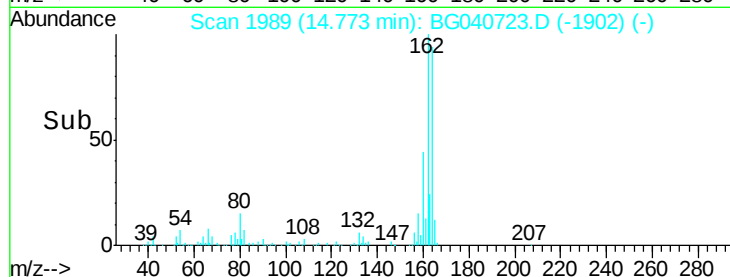
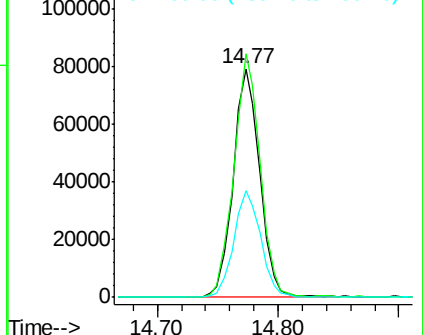
160 46.6 35.4 53.2



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: 171.721 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040723.D

Acq: 3 May 2019 1:19

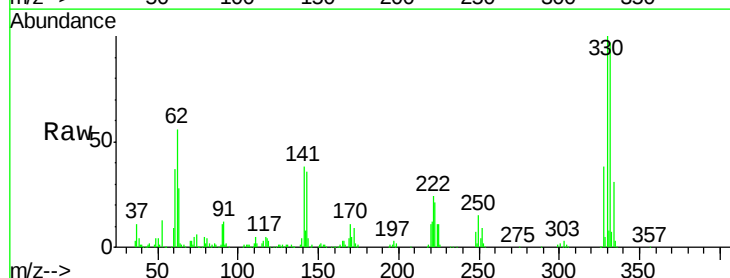
Tgt Ion:330 Resp: 285922

Ion Ratio Lower Upper

330 100

332 96.1 75.9 113.9

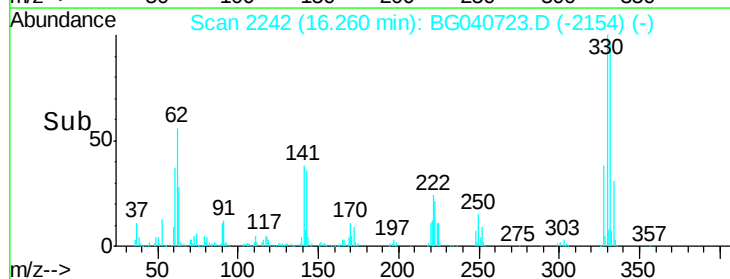
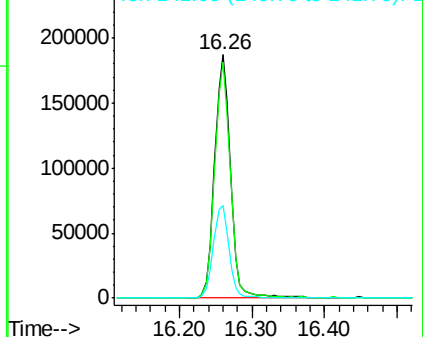
141 38.1 32.4 48.6

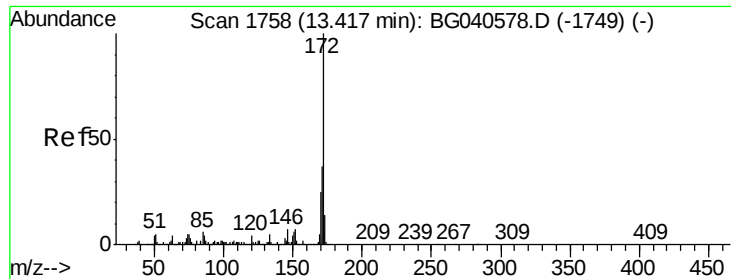


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

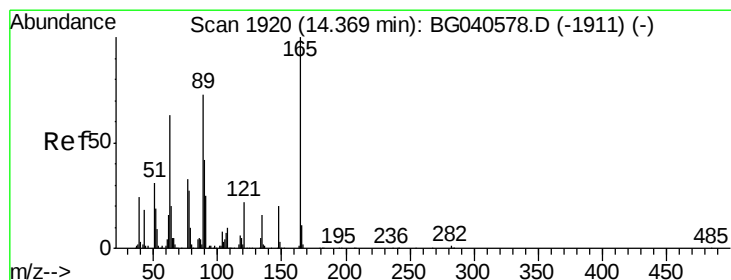
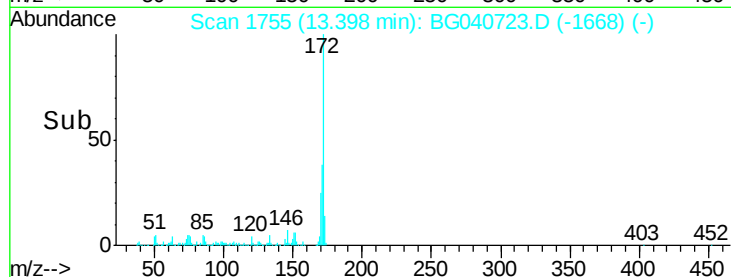
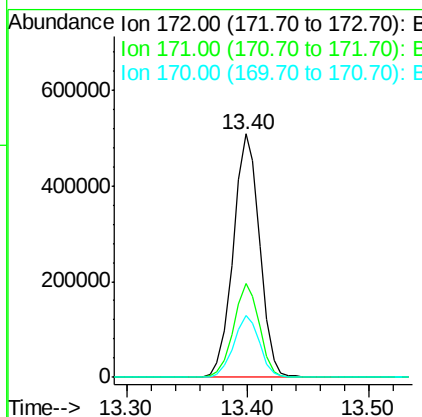
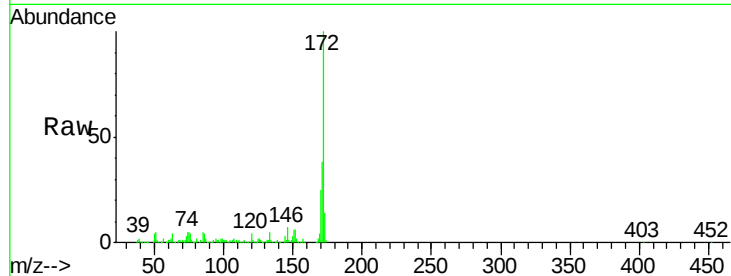




#45
2-Fluorobiphenyl
Concen: 92.634 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG040723.D
Acq: 3 May 2019 1:19

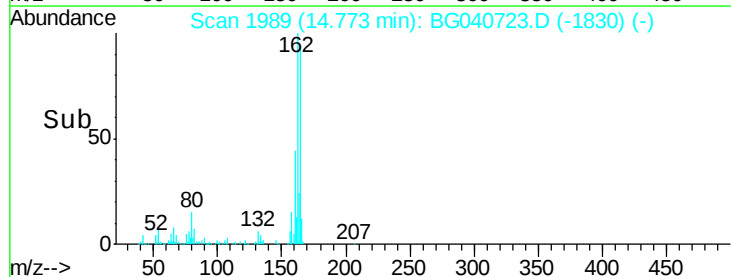
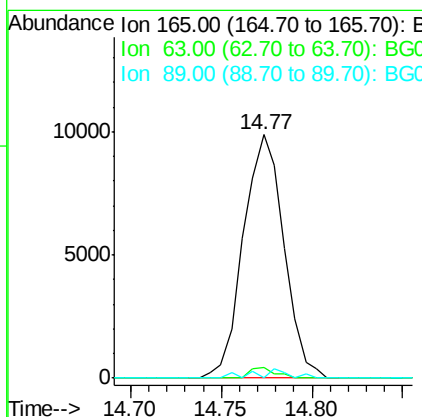
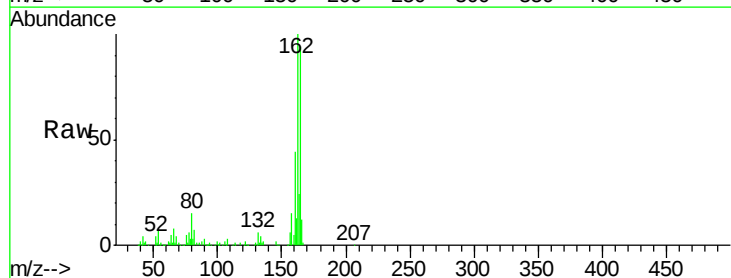
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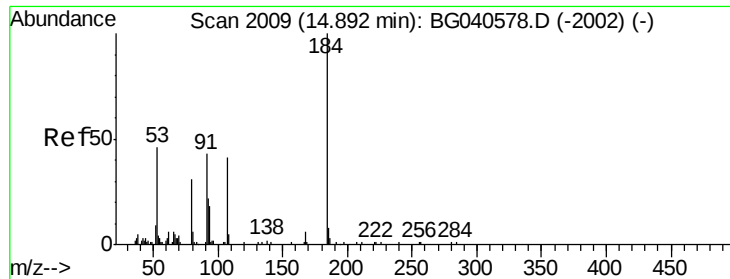
Tot Ion:172 Resp: 776992
Ion Ratio Lower Upper
172 100
171 38.4 29.4 44.2
170 25.4 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 7.804 ng
RT: 14.77 min Scan# 1989
Delta R.T. 0.40 min
Lab File: BG040723.D
Acq: 3 May 2019 1:19

Tgt Ion:165 Resp: 15436
Ion Ratio Lower Upper
165 100
63 4.3 61.0 91.4#
89 0.0 58.6 87.8#

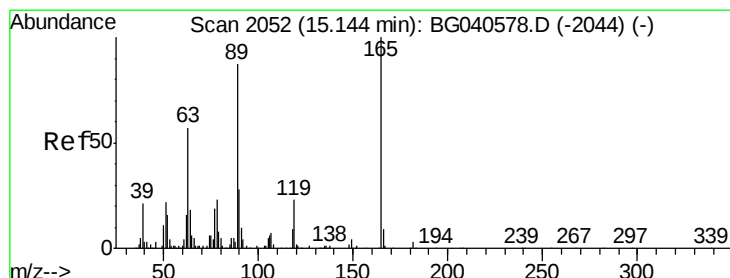
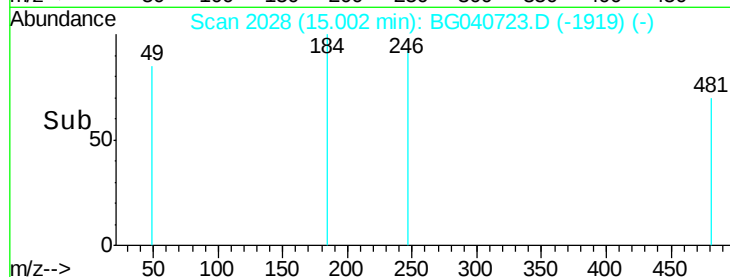
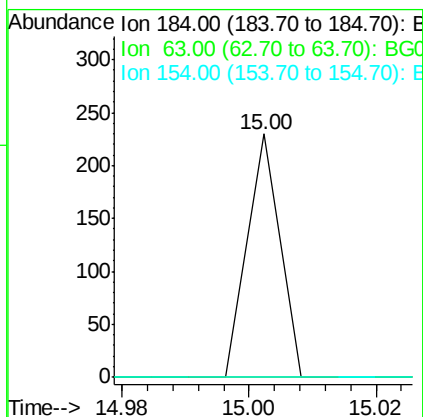
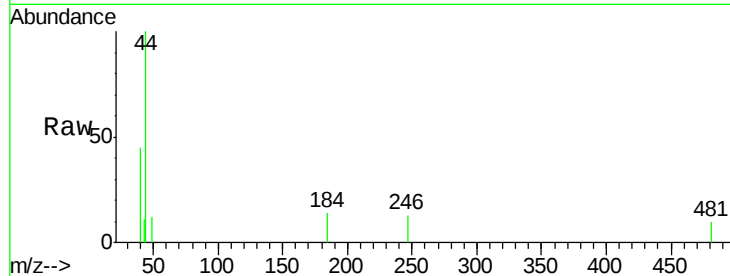




#54
2,4-Dinitrophenol
Concen: 7.081 ng
RT: 15.00 min Scan# 2028
Delta R.T. 0.11 min
Lab File: BG040723.D
Acq: 3 May 2019 1:19

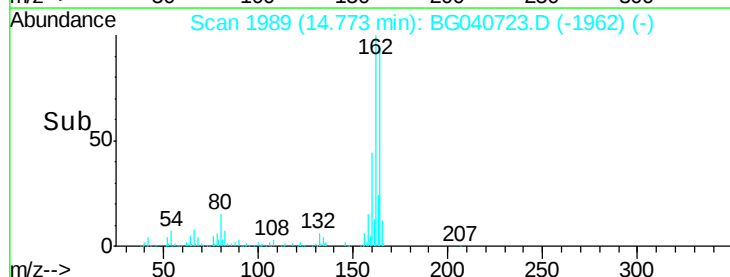
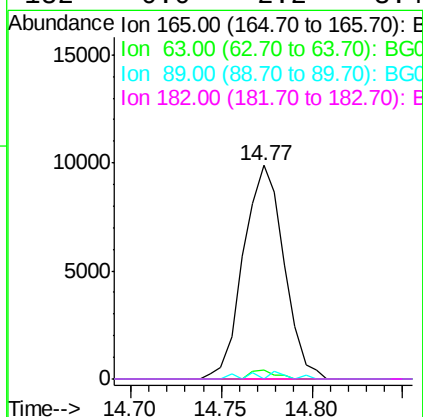
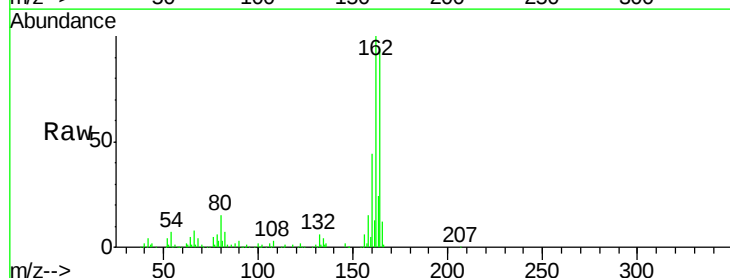
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ClientSampleId :
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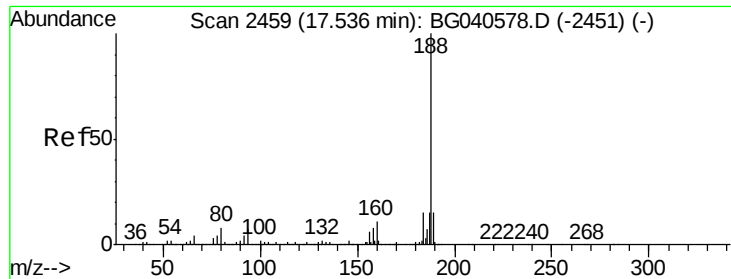
Tot Ion:184 Resp: 81
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.743 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.37 min
Lab File: BG040723.D
Acq: 3 May 2019 1:19

Tgt Ion:165 Resp: 15436
Ion Ratio Lower Upper
165 100
63 4.3 45.8 68.8#
89 0.0 69.4 104.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040723.D

Acq: 3 May 2019 1:19

Instrument :

BNA_G

ClientSampleId :

PB119404BL

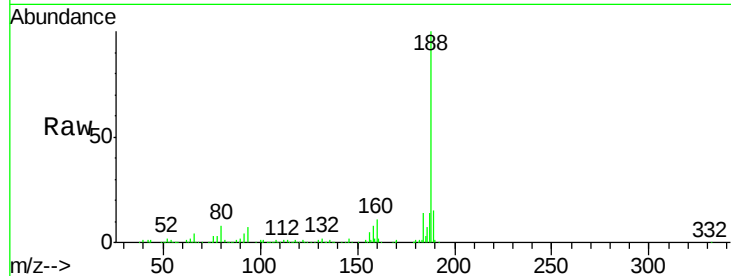
Tot Ion:188 Resp: 370316

Ion Ratio Lower Upper

188 100

94 6.9 5.6 8.4

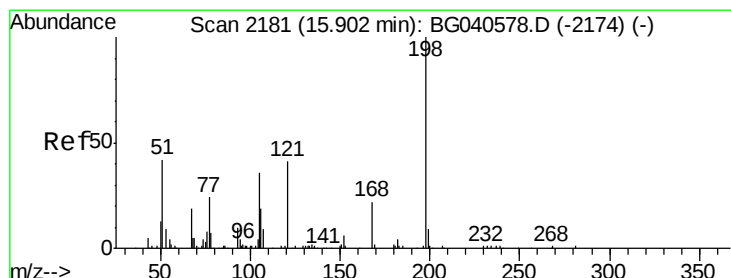
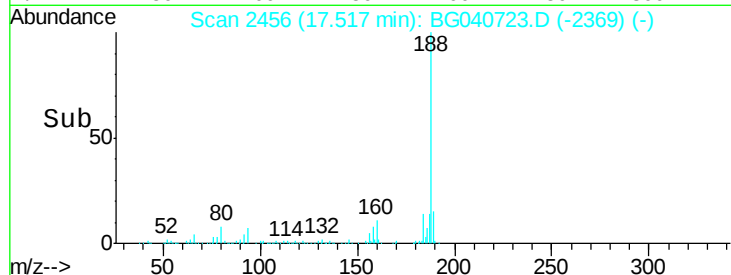
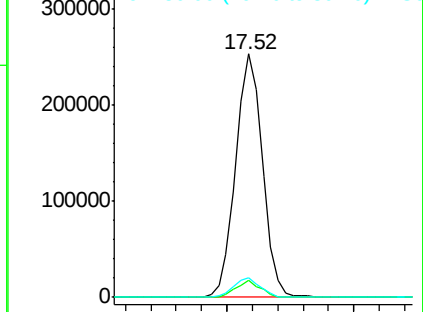
80 7.9 6.4 9.6



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: 7.581 ng

RT: 16.26 min Scan# 2242

Delta R.T. 0.36 min

Lab File: BG040723.D

Acq: 3 May 2019 1:19

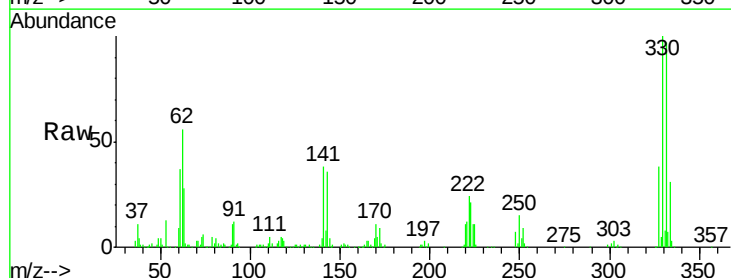
Tgt Ion:198 Resp: 1028

Ion Ratio Lower Upper

198 100

51 165.4 35.9 75.9#

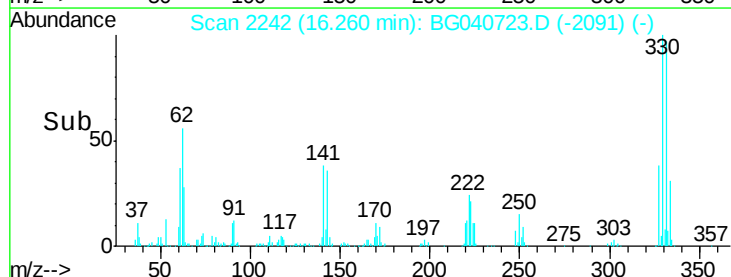
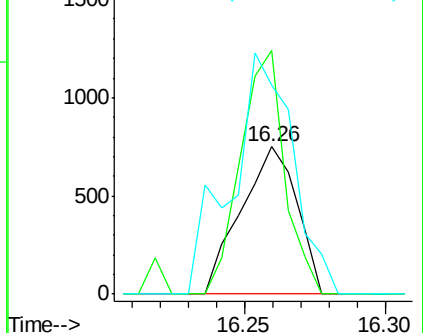
105 142.5 21.2 61.2#

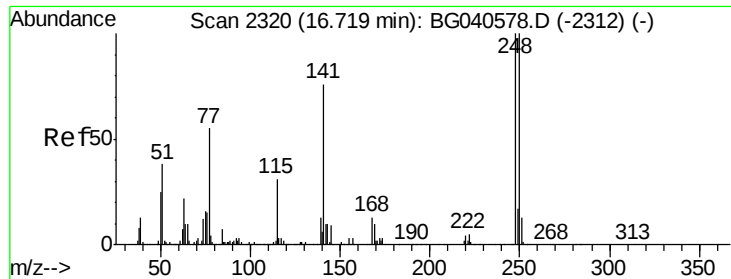


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

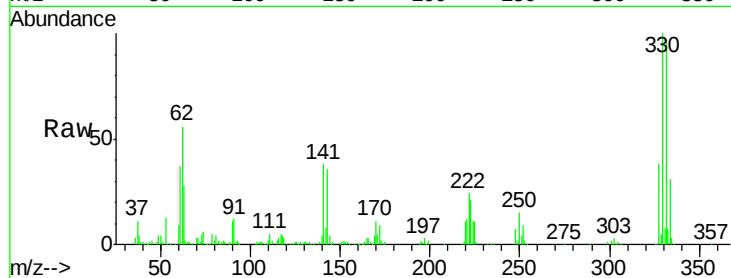




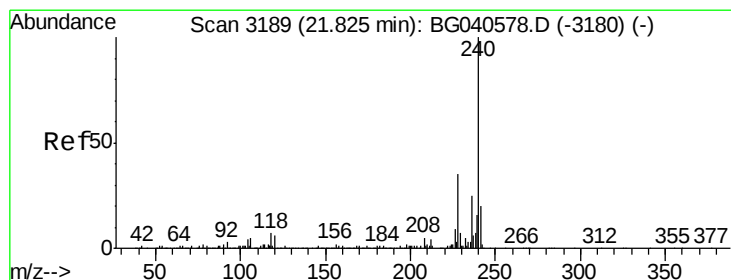
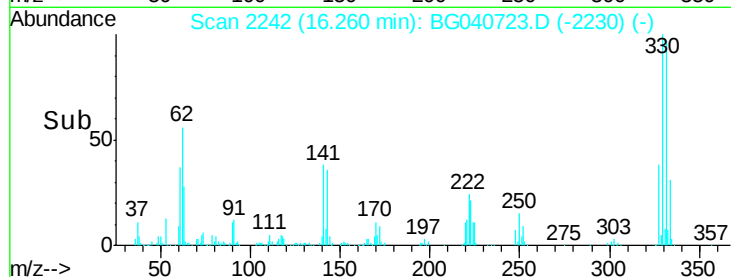
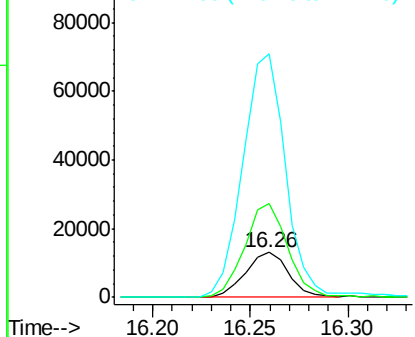
#67
 4-Bromophenyl-phenylether
 Concen: 4.363 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG040723.D
 Acq: 3 May 2019 1:19

Instrument :
 BNA_G
 ClientSampleId :
 PB119404BL

Tot Ion:248 Resp: 20129
 Ion Ratio Lower Upper
 248 100
 250 208.8 79.8 119.6#
 141 539.1 60.8 91.2#

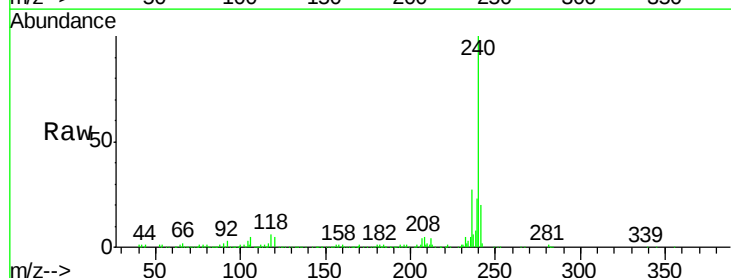


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

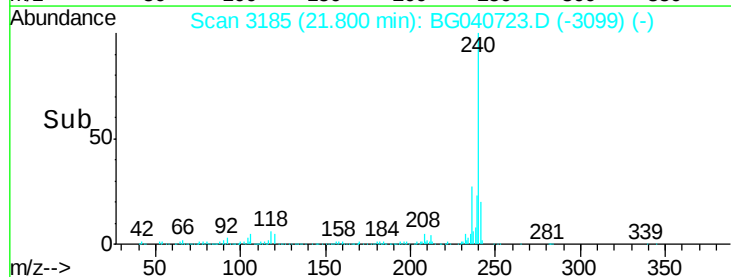
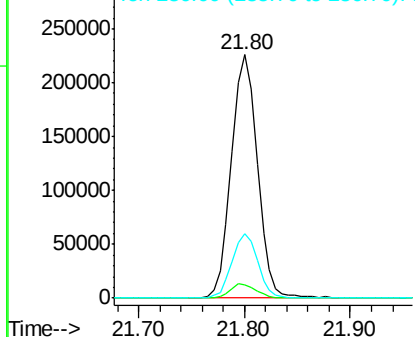


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.02 min
 Lab File: BG040723.D
 Acq: 3 May 2019 1:19

Tgt Ion:240 Resp: 385651
 Ion Ratio Lower Upper
 240 100
 120 5.5 5.0 7.6
 236 26.6 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: 3.196 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG040723.D

Acq: 3 May 2019 1:19

Instrument :

BNA_G

ClientSampleId :

PB119404BL

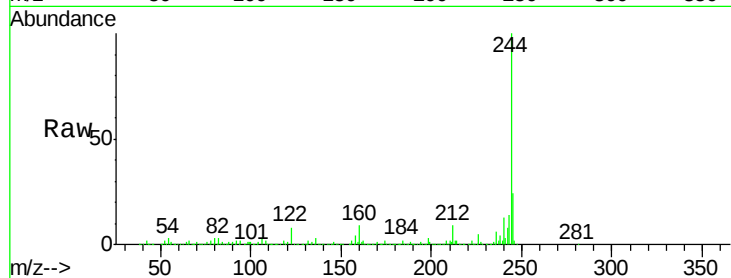
Tot Ion:184 Resp: 33746

Ion Ratio Lower Upper

184 100

185 16.0 11.8 17.8

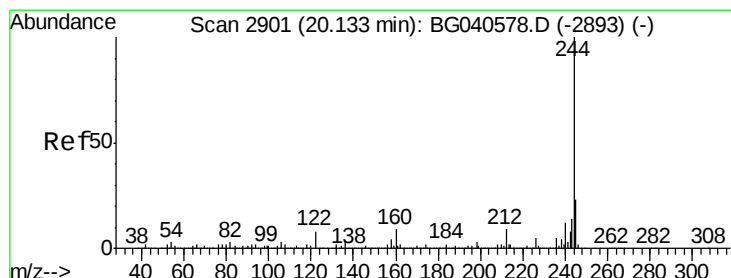
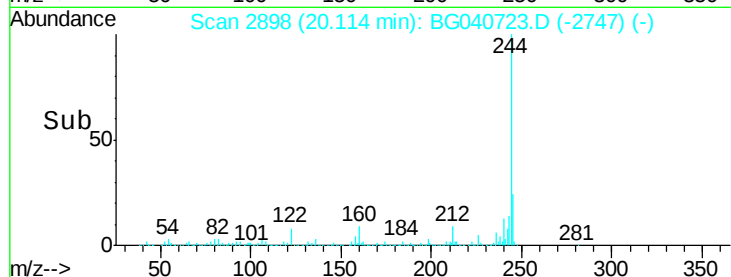
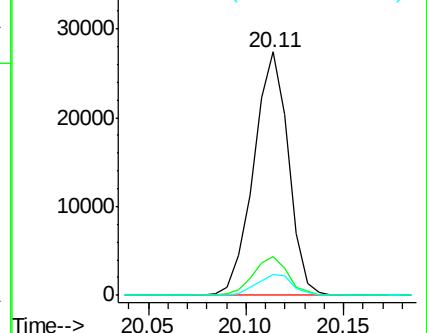
183 8.4 10.2 15.2#



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: 99.802 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040723.D

Acq: 3 May 2019 1:19

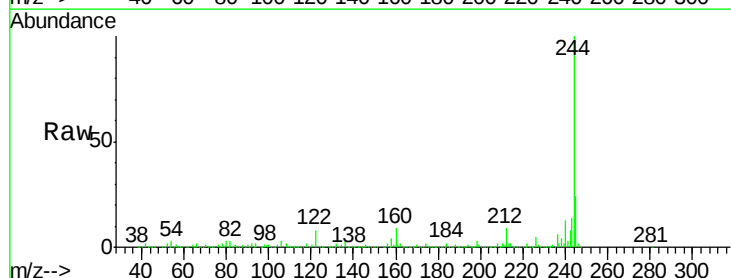
Tgt Ion:244 Resp: 1737308

Ion Ratio Lower Upper

244 100

212 9.3 7.2 10.8

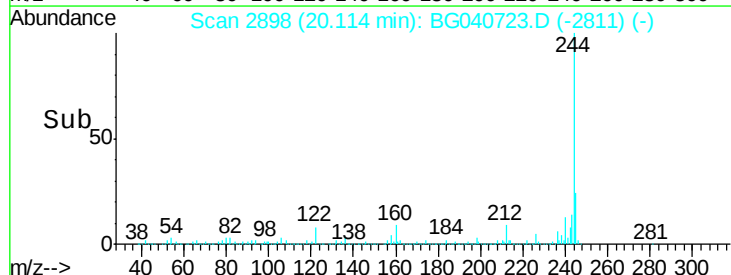
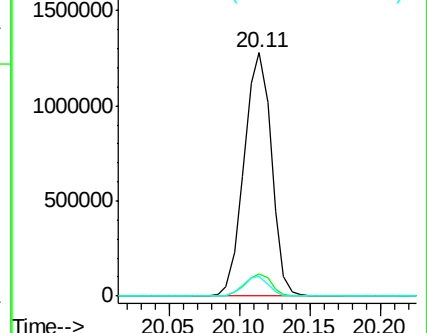
122 7.9 6.6 10.0



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

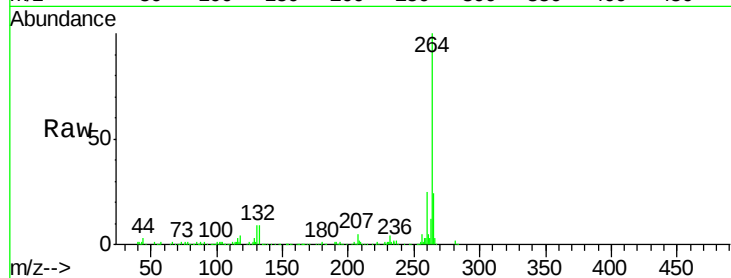




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.16 min Scan# 3756
 Delta R.T. -0.05 min
 Lab File: BG040723.D
 Acq: 3 May 2019 1:19

Instrument :
 BNA_G
 ClientSampleId :
 PB119404BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	24.1	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

