

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100519\
 Data File : BG043052.D
 Acq On : 5 Oct 2019 12:59
 Operator : JU
 Sample : PB123649BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB123649BL

Quant Time: Oct 06 23:52:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

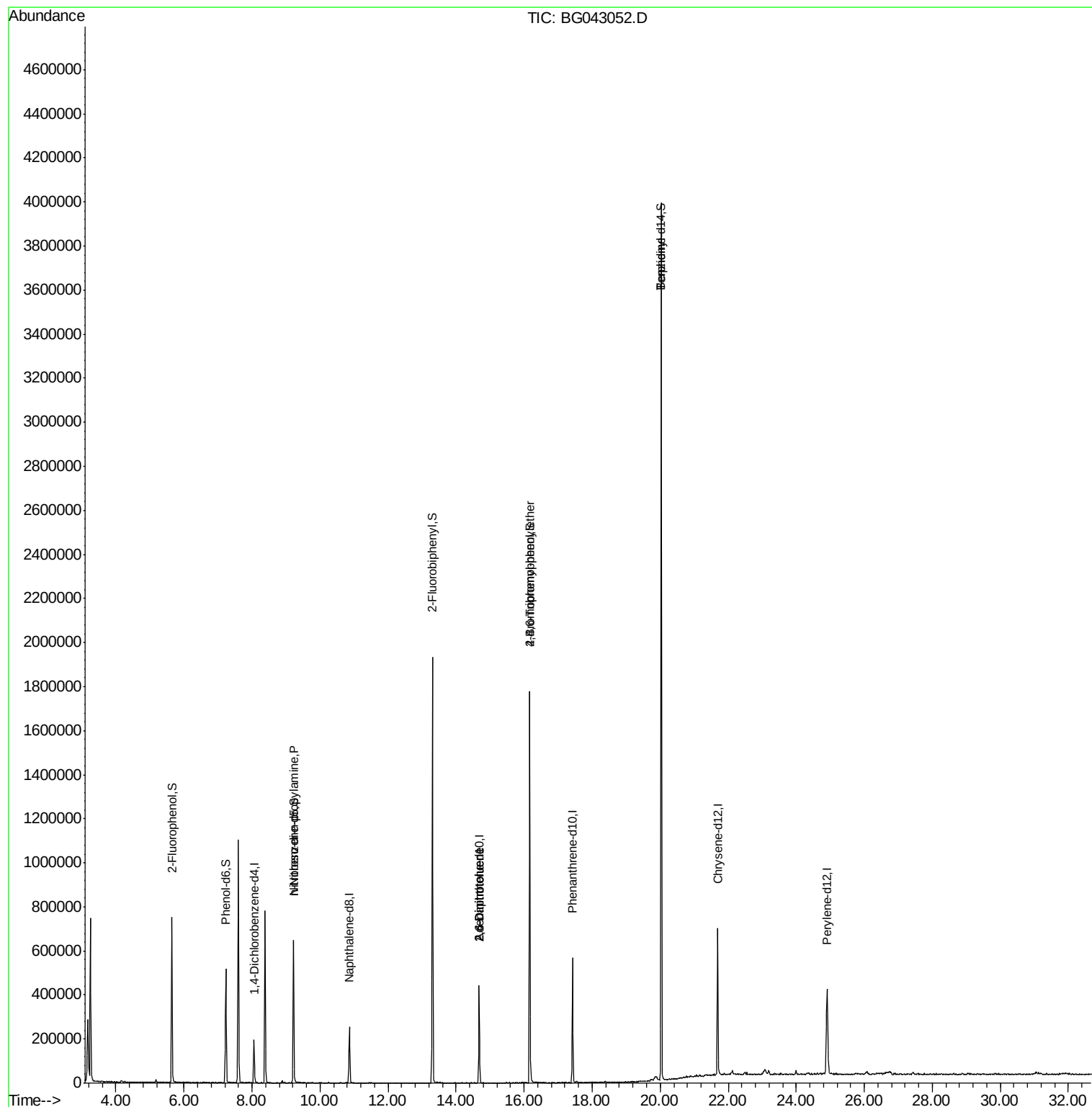
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	58909	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	216623	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	157789	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	374212	20.00	ng	-0.01
76) Chrysene-d12	21.69	240	398926	20.00	ng	-0.03
87) Perylene-d12	24.90	264	455893	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	315881	95.69	ng	-0.01
7) Phenol-d6	7.23	99	298823	62.86	ng	-0.01
23) Nitrobenzene-d5	9.22	82	410400	92.08	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	398303	146.80	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	1023172	94.00	ng	-0.02
79) Terphenyl-d14	20.03	244	1961583	104.78	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	55877	17.902	ng	# 71
51) 2,6-Dinitrotoluene	14.68	165	19953	7.925	ng	# 22
57) 2,4-Dinitrotoluene	14.68	165	19953	5.412	ng	# 26
67) 4-Bromophenyl-phenylether	16.17	248	26575	5.658	ng	# 1
77) Benzidine	20.03	184	30833	3.087	ng	# 93

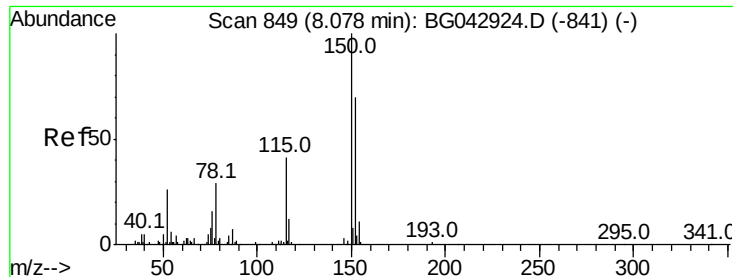
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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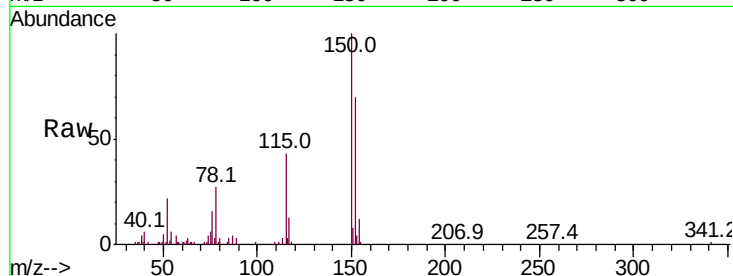


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BG043052.D
Acq: 5 Oct 2019 12:59

Instrument :
BNA_G
ClientSampleId :
PB123649BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.9	115.0	172.4
115	62.1	47.0	70.6

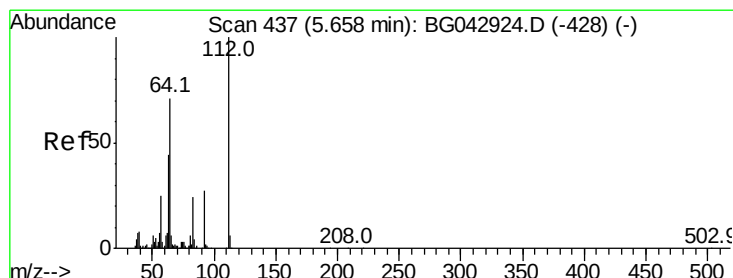
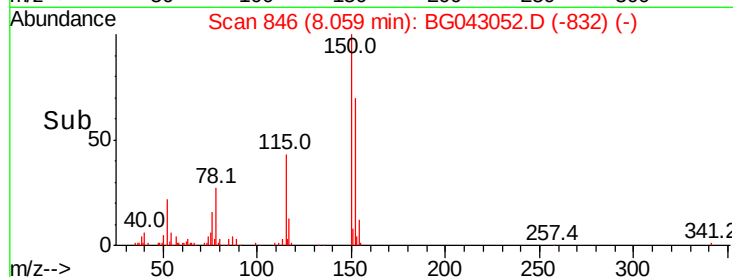
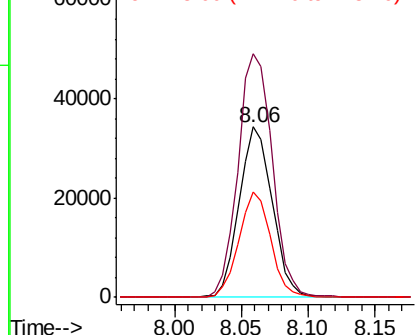


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

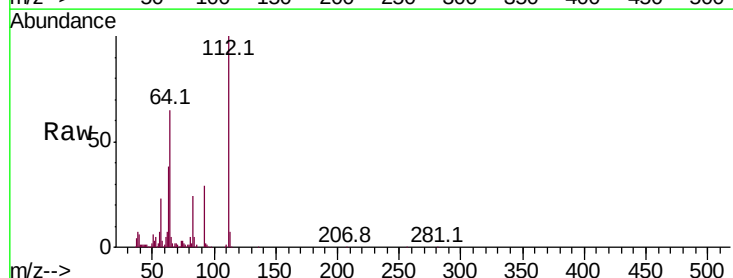
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.695 ng
RT: 5.64 min Scan# 435
Delta R.T. -0.01 min
Lab File: BG043052.D
Acq: 5 Oct 2019 12:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	56.6	84.8
63	37.8	35.1	52.7

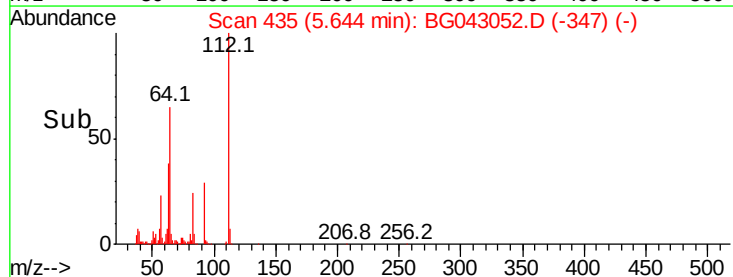
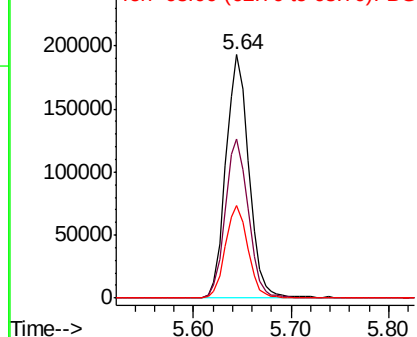


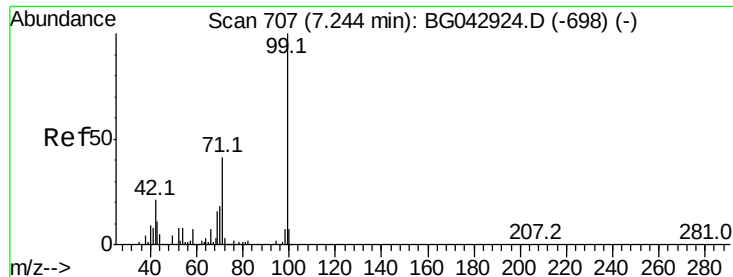
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 62.863 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG043052.D

Acq: 5 Oct 2019 12:59

Instrument :

BNA_G

ClientSampleId :

PB123649BL

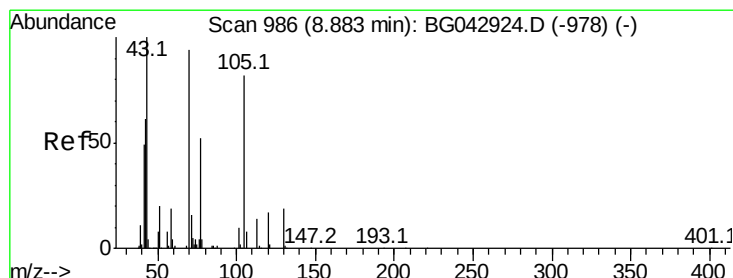
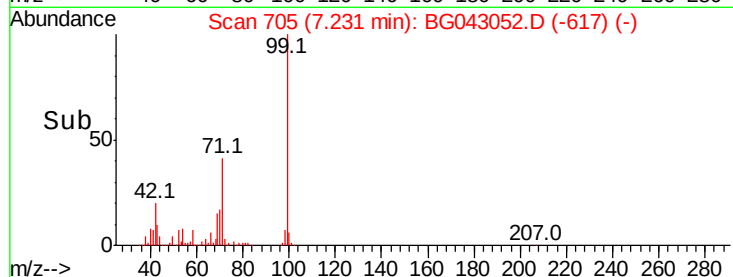
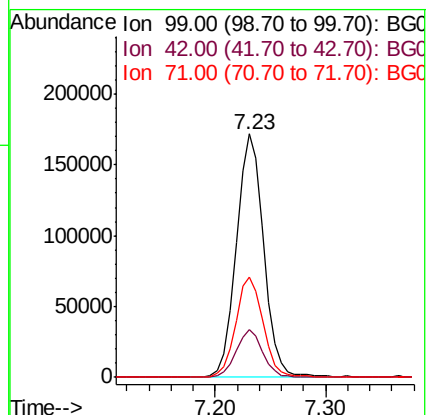
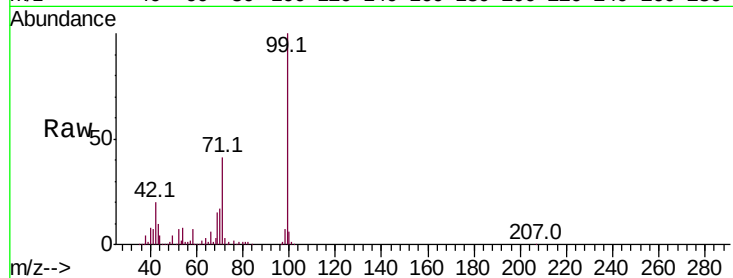
Tot Ion: 99 Resp: 298823

Ion Ratio Lower Upper

99 100

42 19.6 17.2 25.8

71 41.2 33.1 49.7



#19

n-Nitroso-di-n-propylamine

Concen: 17.902 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.34 min

Lab File: BG043052.D

Acq: 5 Oct 2019 12:59

Tgt Ion: 70 Resp: 55877

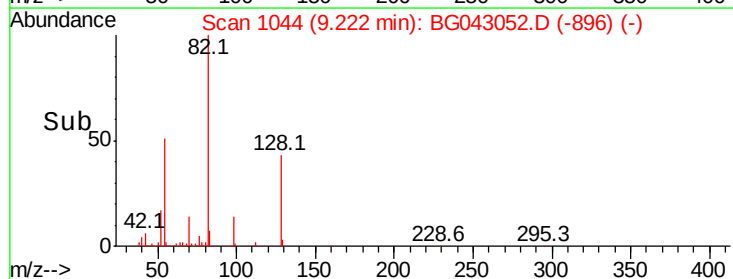
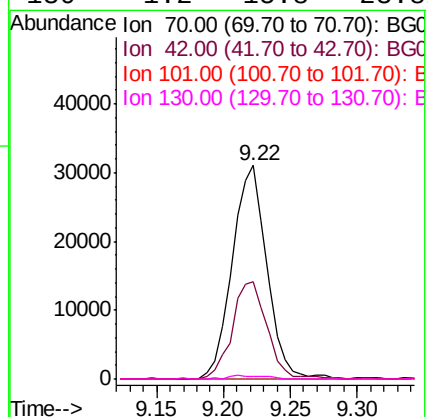
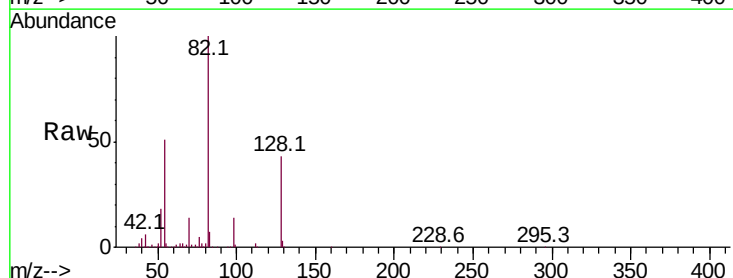
Ion Ratio Lower Upper

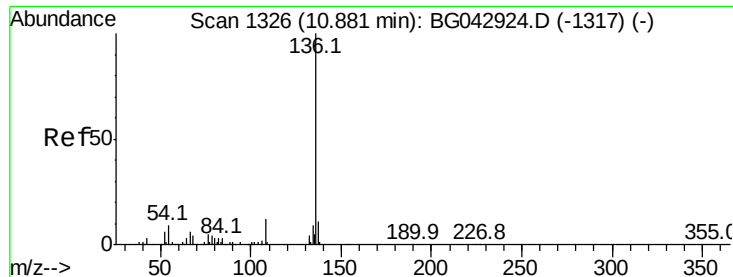
70 100

42 45.5 52.6 79.0#

101 0.0 8.7 13.1#

130 1.2 15.8 23.8#

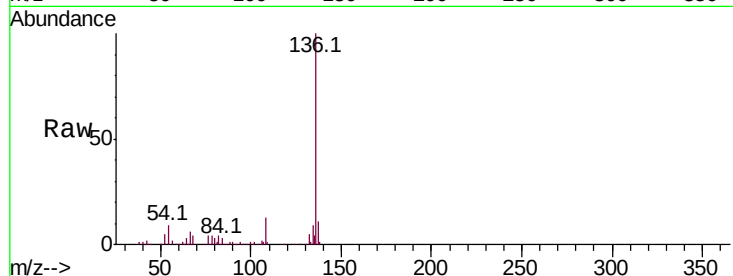




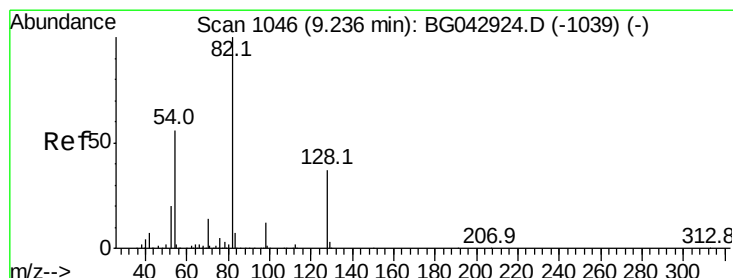
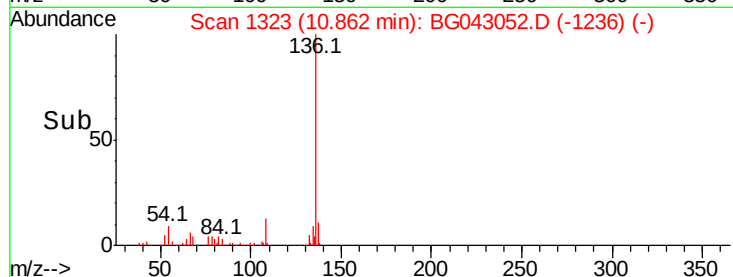
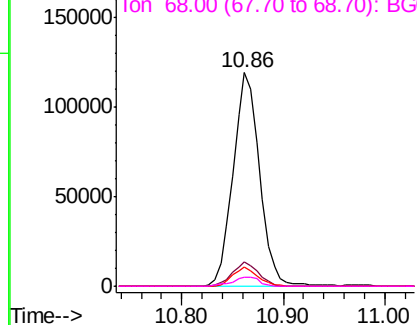
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG043052.D
Acq: 5 Oct 2019 12:59

Instrument :
BNA_G
ClientSampleId :
PB123649BL

Tot Ion:136	Resp:	216623
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.5	12.7
54 9.0	7.4	11.2
68 4.0	3.6	5.4

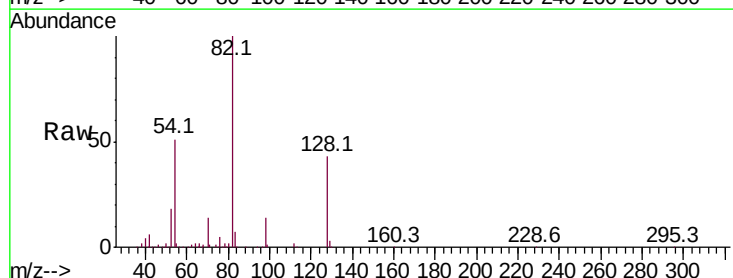


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

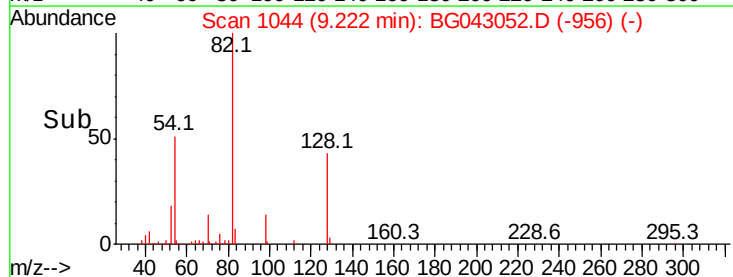
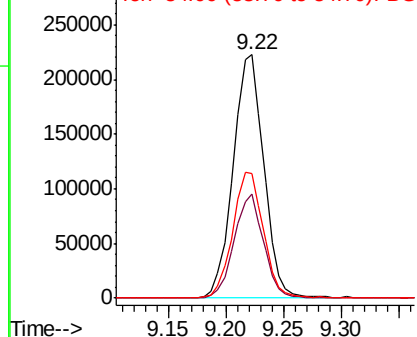


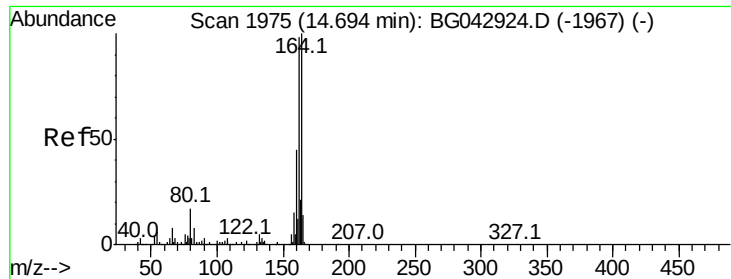
#23
Nitrobenzene-d5
Concen: 92.084 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BG043052.D
Acq: 5 Oct 2019 12:59

Tgt Ion: 82	Resp: 410400
Ion Ratio	Lower Upper
82 100	
128 42.6	29.5 44.3
54 51.4	44.6 67.0



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: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG043052.D

Acq: 5 Oct 2019 12:59

Instrument :

BNA_G

ClientSampleId :

PB123649BL

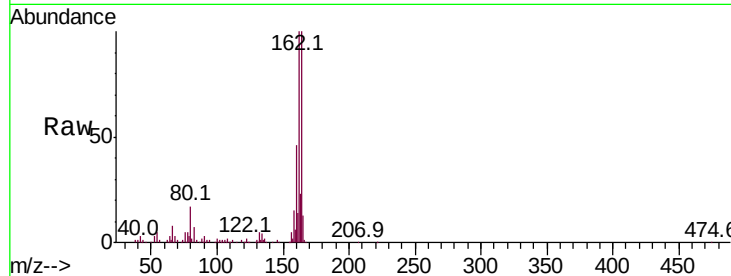
Tot Ion:164 Resp: 157789

Ion Ratio Lower Upper

164 100

162 99.6 78.5 117.7

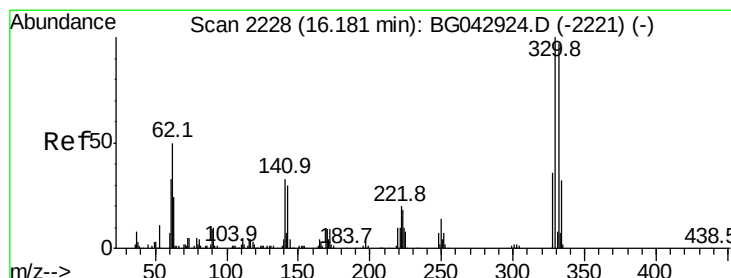
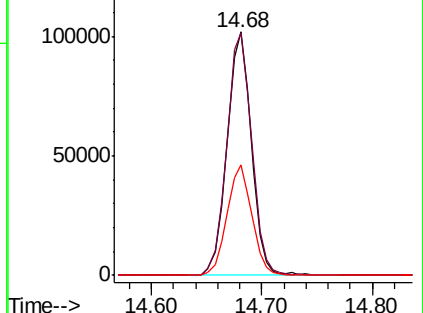
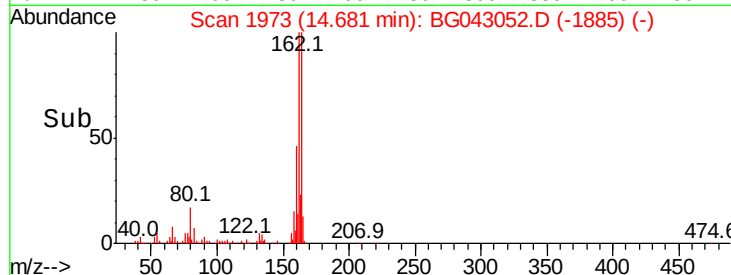
160 45.5 35.9 53.9



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: 146.798 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG043052.D

Acq: 5 Oct 2019 12:59

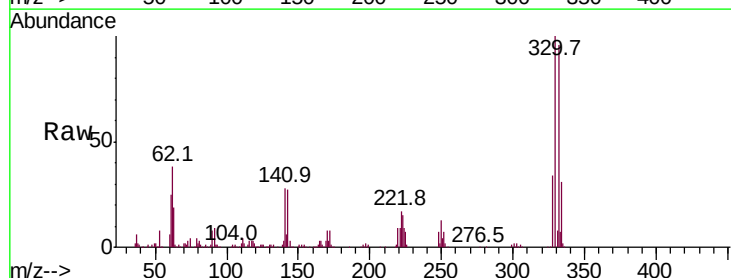
Tgt Ion:330 Resp: 398303

Ion Ratio Lower Upper

330 100

332 95.2 78.2 117.2

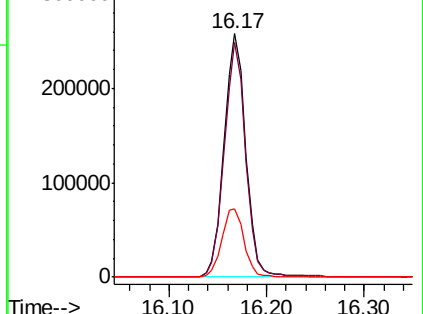
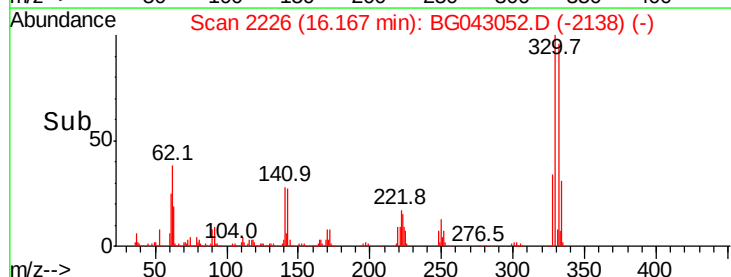
141 28.8 26.0 39.0

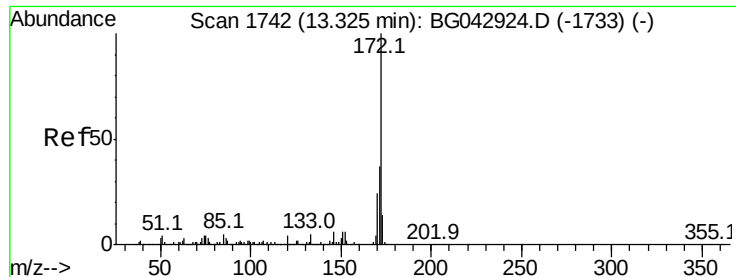


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

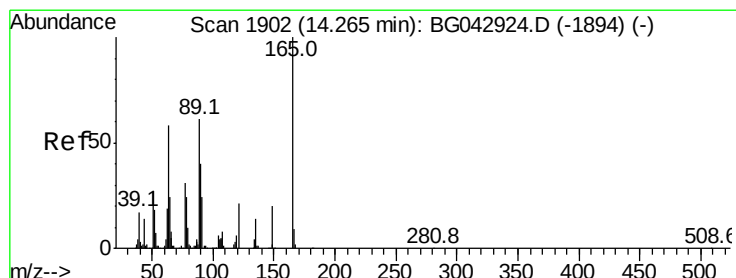
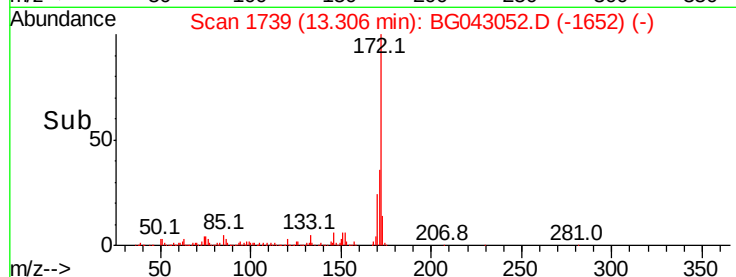
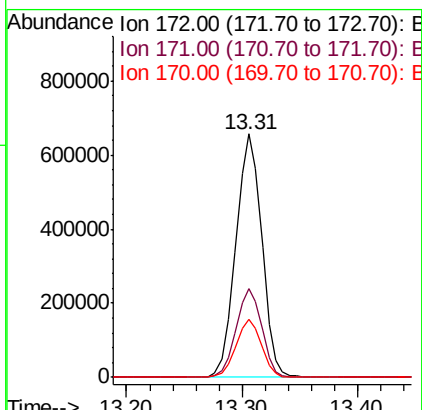
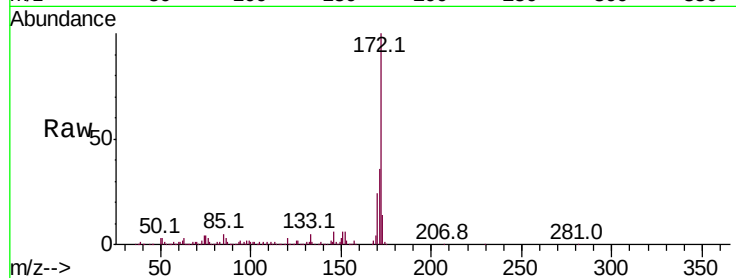




#45
 2-Fluorobiphenyl
 Concen: 94.005 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.02 min
 Lab File: BG043052.D
 Acq: 5 Oct 2019 12:59

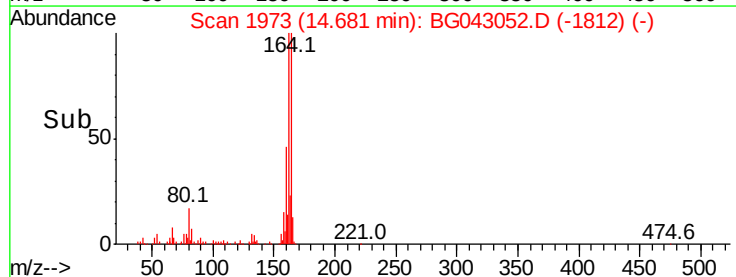
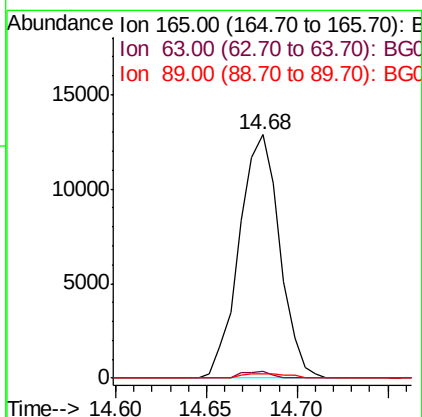
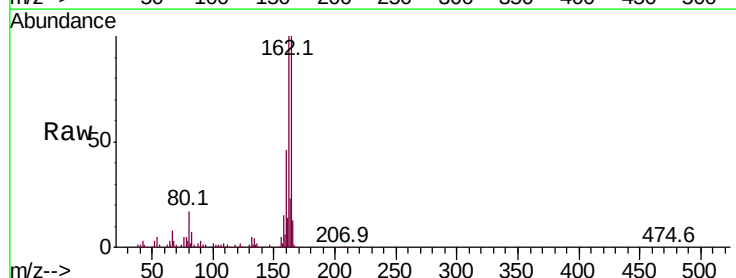
Instrument :
 BNA_G
 ClientSampleId :
 PB123649BL

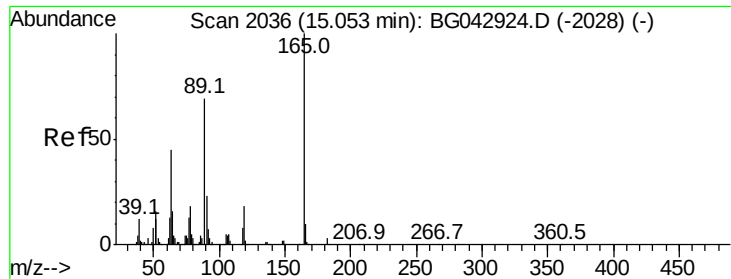
Tot Ion:172 Resp: 1023172
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 23.7 19.6 29.4



#51
 2,6-Dinitrotoluene
 Concen: 7.925 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.42 min
 Lab File: BG043052.D
 Acq: 5 Oct 2019 12:59

Tgt Ion:165 Resp: 19953
 Ion Ratio Lower Upper
 165 100
 63 2.6 50.3 75.5#
 89 1.7 48.9 73.3#





#57

2,4-Dinitrotoluene

Concen: 5.412 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.37 min

Lab File: BG043052.D

Acq: 5 Oct 2019 12:59

Instrument :

BNA_G

ClientSampleId :

PB123649BL

Tot Ion:165 Resp: 19953

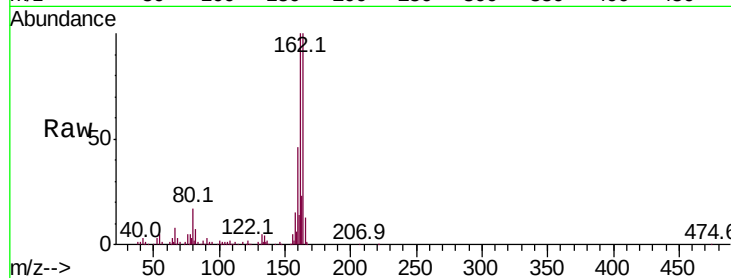
Ion Ratio Lower Upper

165 100

63 2.6 36.5 54.7#

89 1.7 55.5 83.3#

182 0.0 2.4 3.6#

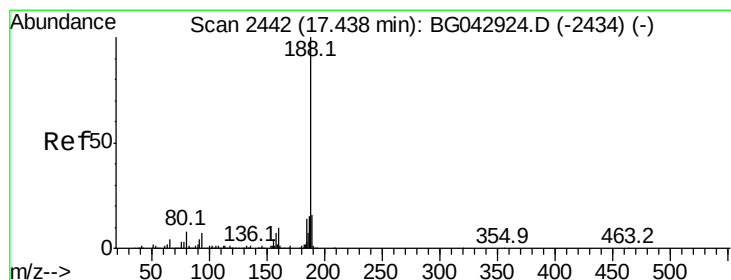
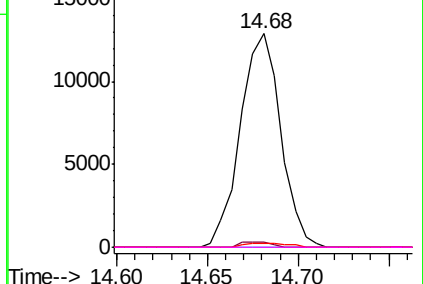
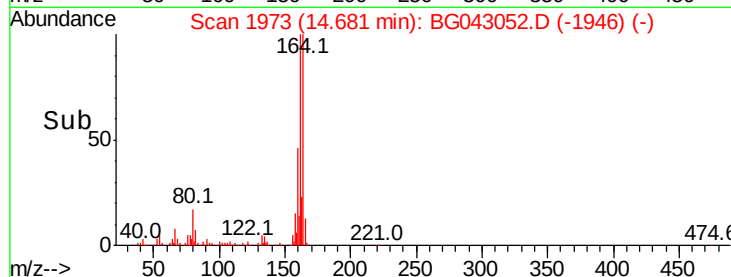


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG043052.D

Acq: 5 Oct 2019 12:59

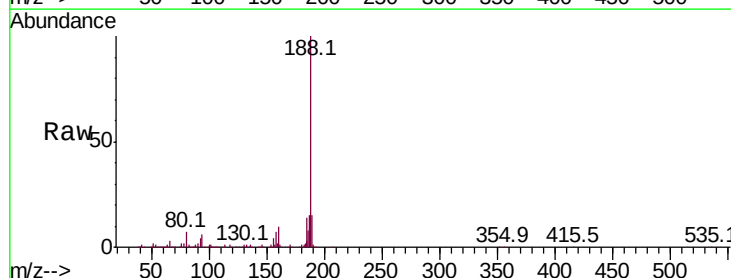
Tgt Ion:188 Resp: 374212

Ion Ratio Lower Upper

188 100

94 6.0 5.7 8.5

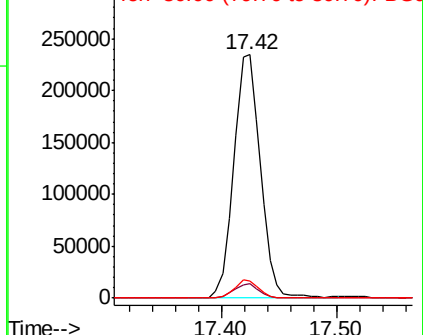
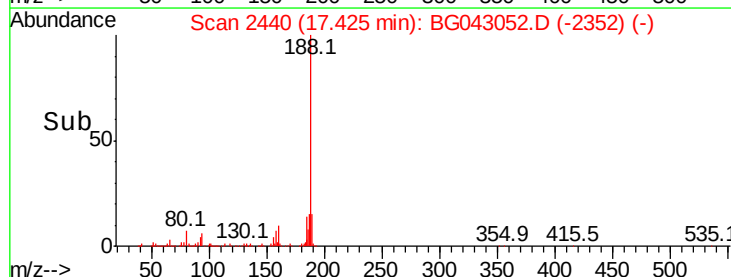
80 7.2 6.5 9.7

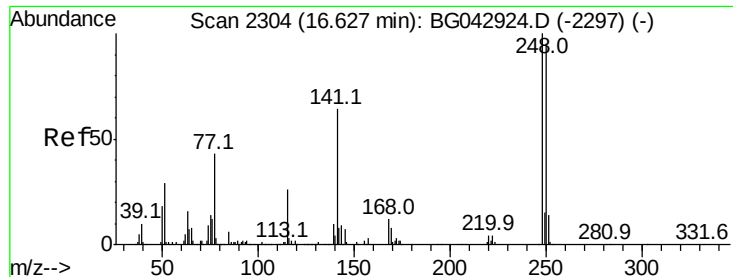


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

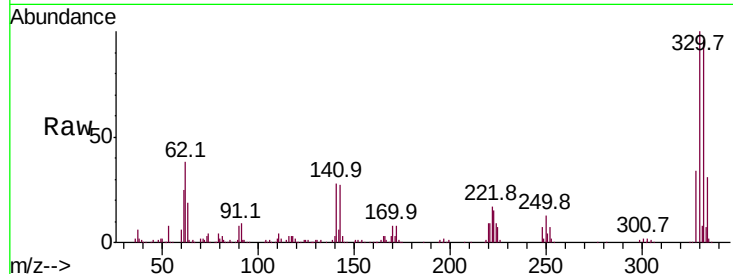




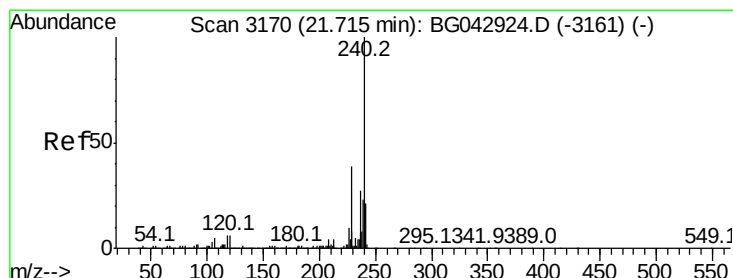
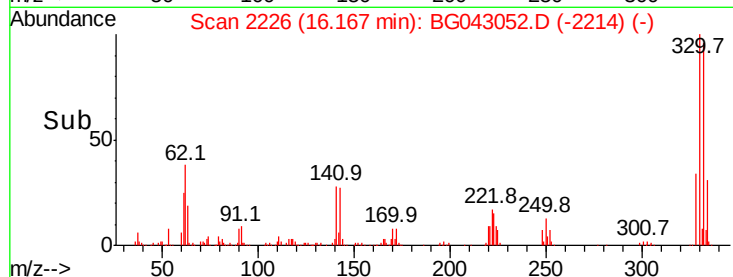
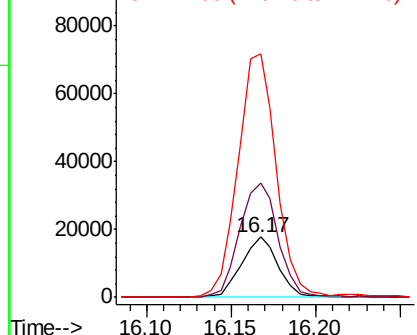
#67
4-Bromophenyl-phenylether
Concen: 5.658 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.46 min
Lab File: BG043052.D
Acq: 5 Oct 2019 12:59

Instrument :
BNA_G
ClientSampleId :
PB123649BL

Tot Ion:248 Resp: 26575
Ion Ratio Lower Upper
248 100
250 189.4 75.8 113.8#
141 403.4 51.1 76.7#

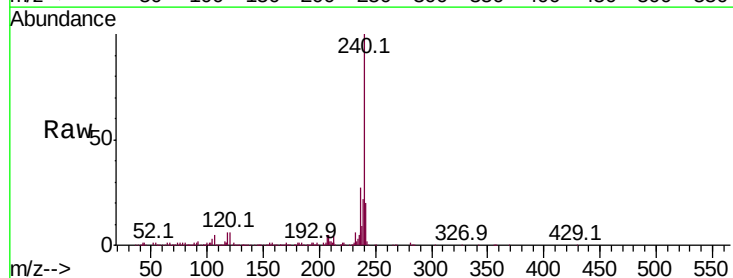


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

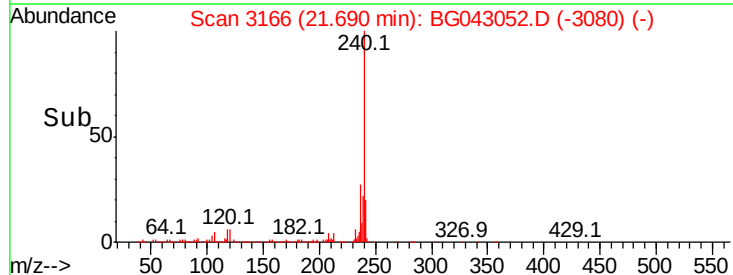
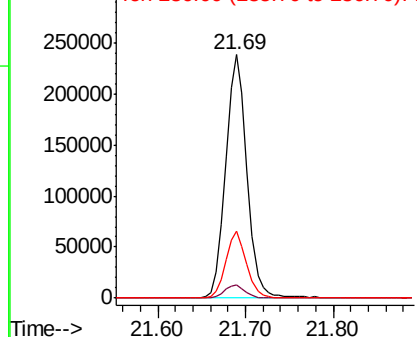


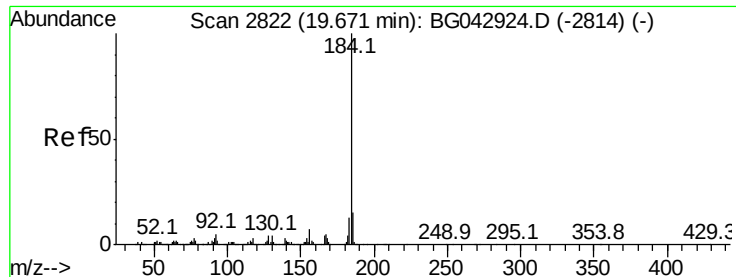
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.03 min
Lab File: BG043052.D
Acq: 5 Oct 2019 12:59

Tgt Ion:240 Resp: 398926
Ion Ratio Lower Upper
240 100
120 5.5 4.8 7.2
236 27.4 21.4 32.0



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: 20.03 min Scan# 2884

Delta R.T. 0.36 min

Lab File: BG043052.D

Acq: 5 Oct 2019 12:59

Instrument :

BNA_G

ClientSampleId :

PB123649BL

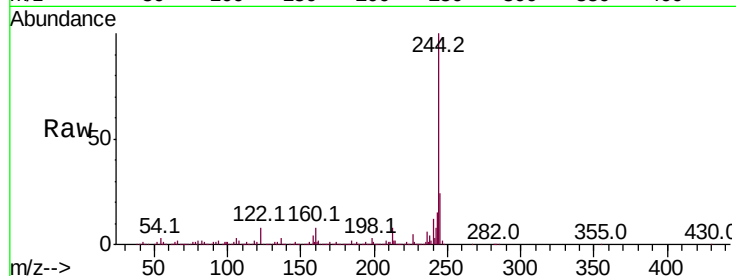
Tot Ion:184 Resp: 30833

Ion Ratio Lower Upper

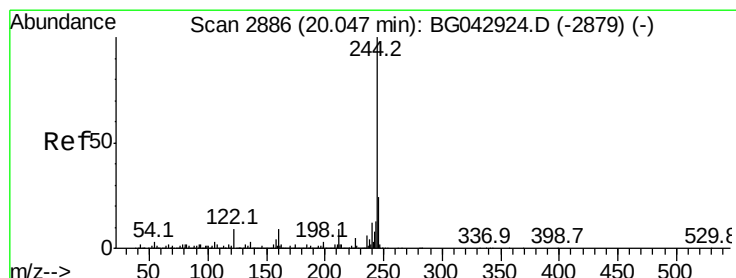
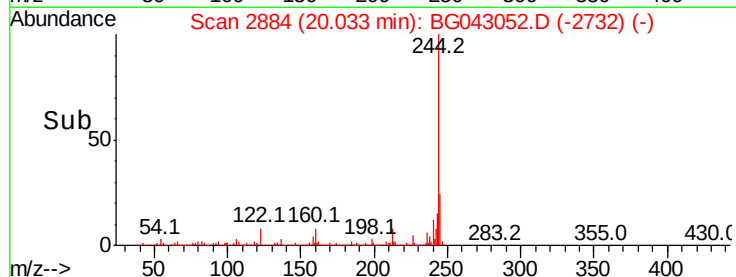
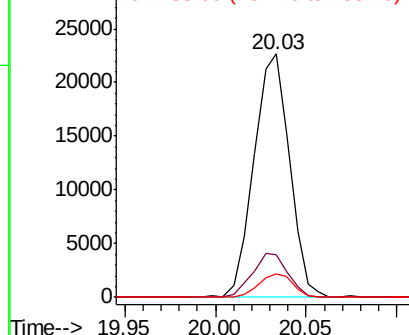
184 100

185 17.3 11.8 17.8

183 9.4 10.1 15.1#



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: 104.779 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043052.D

Acq: 5 Oct 2019 12:59

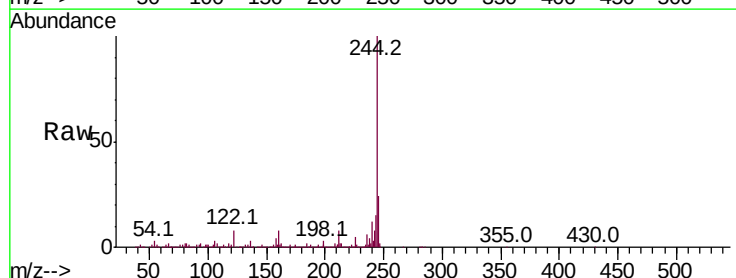
Tgt Ion:244 Resp: 1961583

Ion Ratio Lower Upper

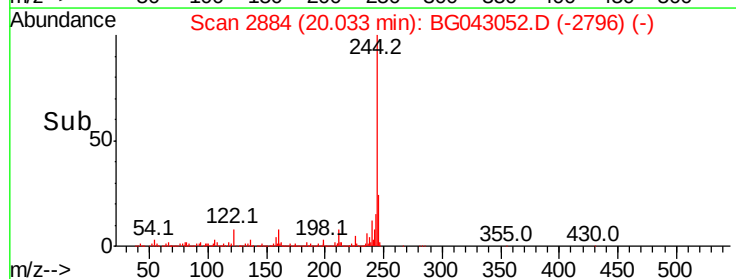
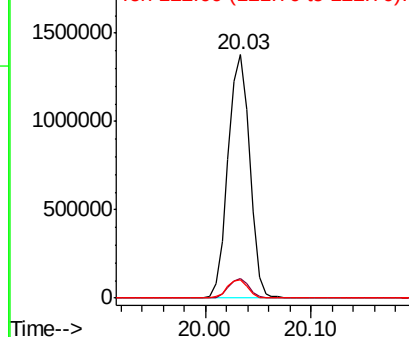
244 100

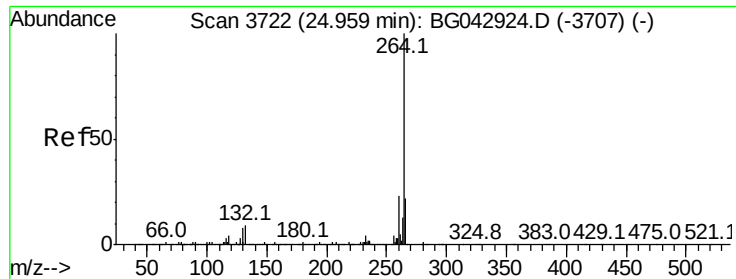
212 8.1 7.4 11.0

122 7.6 7.0 10.4



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: 24.90 min Scan# 3713
Delta R.T. -0.05 min
Lab File: BG043052.D
Acq: 5 Oct 2019 12:59

Instrument :
BNA_G
ClientSampleId :
PB123649BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.7	28.1
265	20.9	17.7	26.5

