

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010719\
 Data File : BG038984.D
 Acq On : 8 Jan 2019 2:22
 Operator : JU/SJ
 Sample : PB116227TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 08 06:52:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

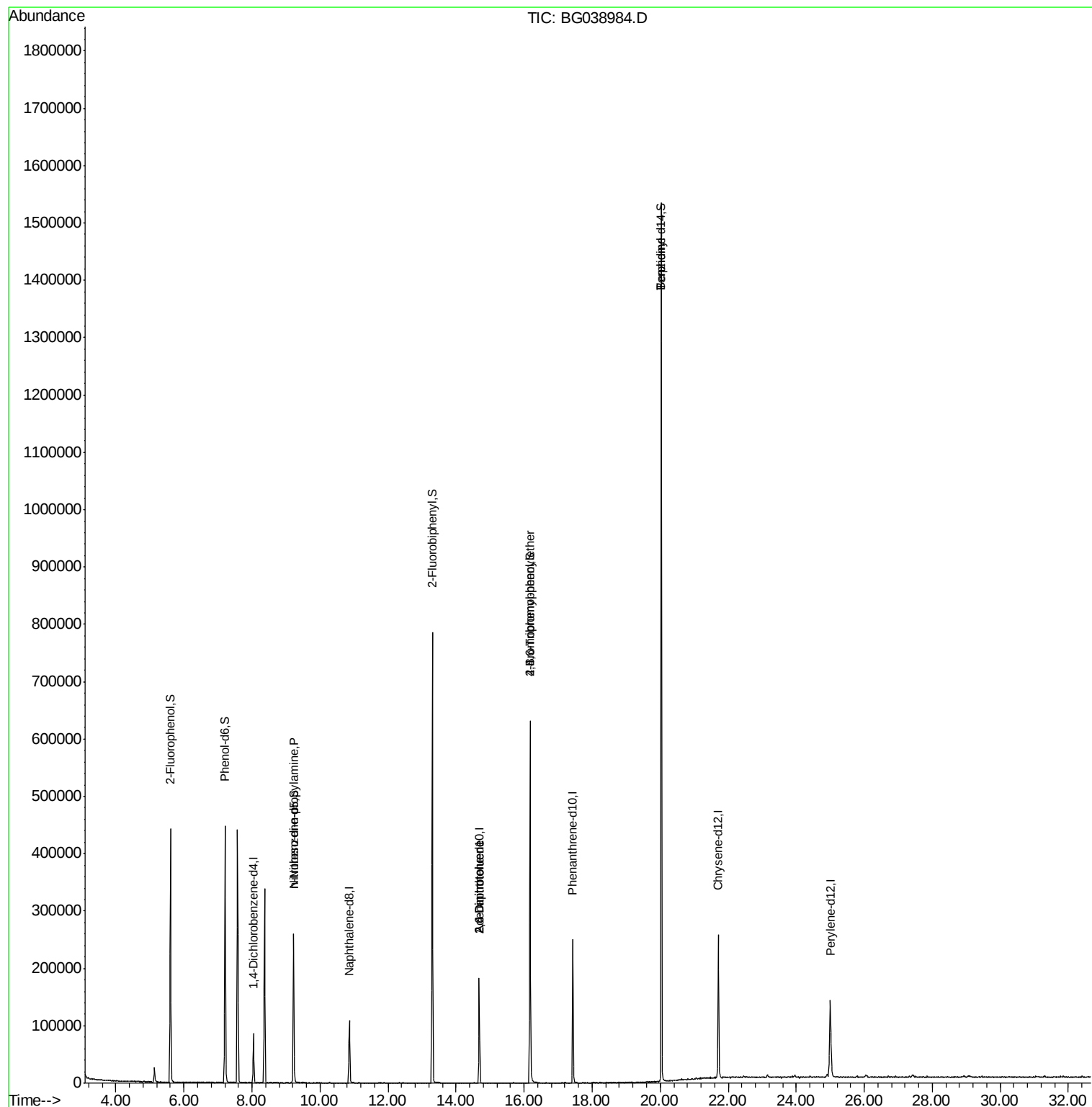
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	26147	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	102712	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	70112	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	170240	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	173396	20.00	ng	-0.02
87) Perylene-d12	25.00	264	180192	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	192321	130.46	ng	0.00
7) Phenol-d6	7.21	99	261636	129.28	ng	0.00
23) Nitrobenzene-d5	9.22	82	156395	77.79	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	138743	143.59	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	441895	86.46	ng	-0.02
79) Terphenyl-d14	20.03	244	793329	99.57	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	21384	15.044	ng	# 67
51) 2,6-Dinitrotoluene	14.68	165	8872	6.838	ng	# 19
57) 2,4-Dinitrotoluene	14.68	165	8872	4.855	ng	# 21
67) 4-Bromophenyl-phenylether	16.17	248	8819	4.242	ng	# 1
77) Benzidine	20.03	184	12157	2.371	ng	# 95

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

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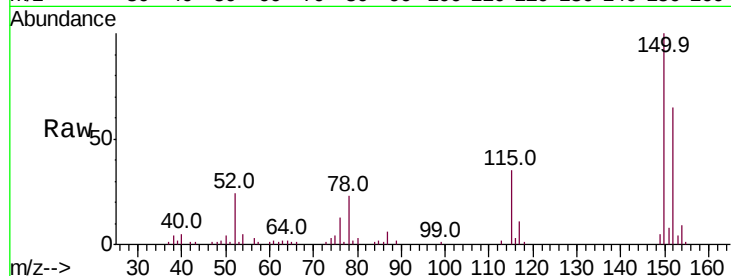


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 844
 Delta R.T. -0.01 min
 Lab File: BG038984.D
 Acq: 8 Jan 2019 2:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	119.5	179.3
115	54.5	49.6	74.4

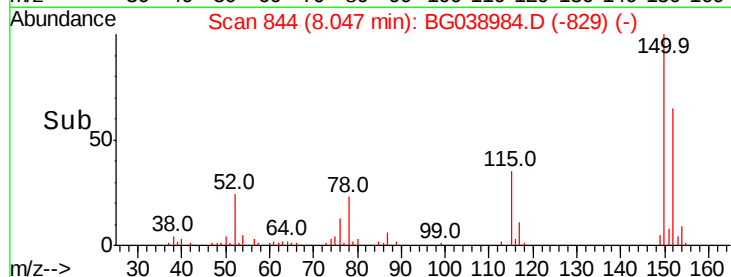
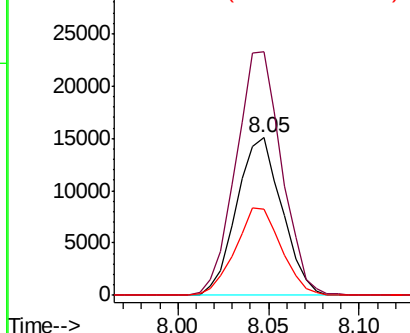


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

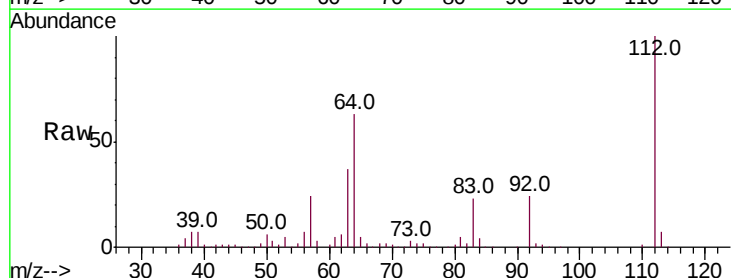
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 130.459 ng
 RT: 5.60 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: BG038984.D
 Acq: 8 Jan 2019 2:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	53.4	80.2
63	36.7	29.3	43.9

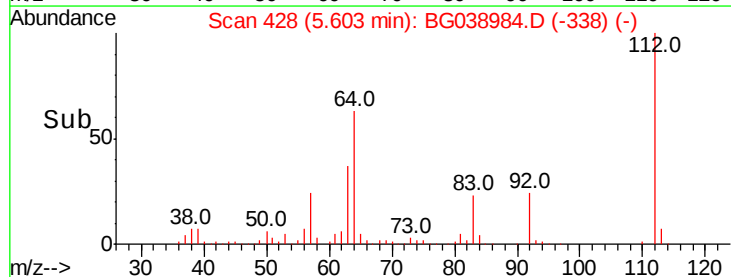
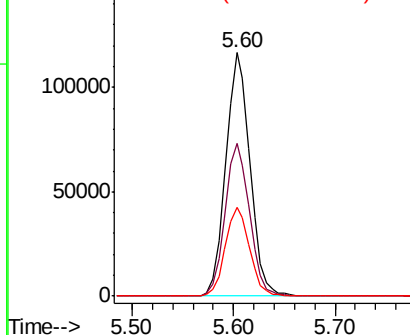


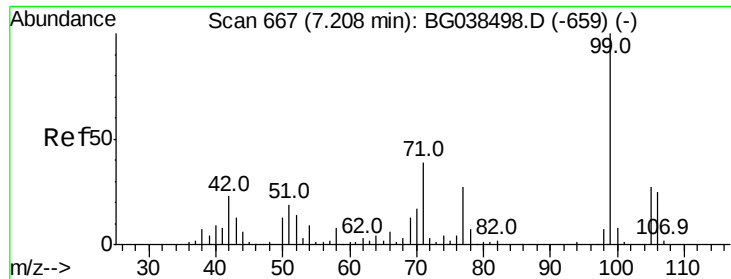
Abundance

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: 129.281 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038984.D

Acq: 8 Jan 2019 2:22

Instrument :

BNA_G

ClientSampleId :

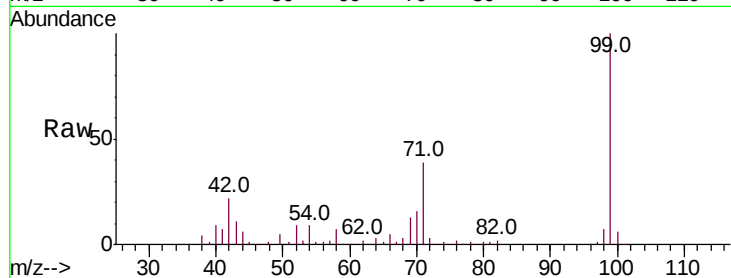
Tot Ion: 99 Resp: 261636

Ion Ratio Lower Upper

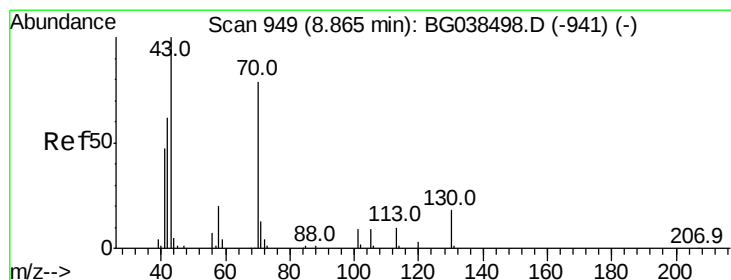
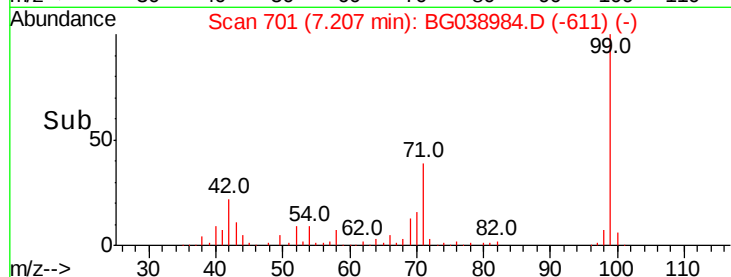
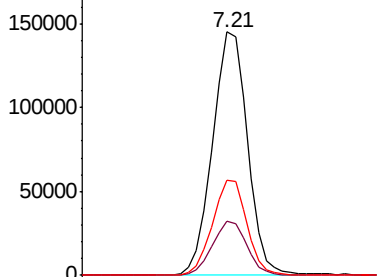
99 100

42 22.4 18.5 27.7

71 38.9 31.1 46.7



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: 15.044 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG038984.D

Acq: 8 Jan 2019 2:22

Tgt Ion: 70 Resp: 21384

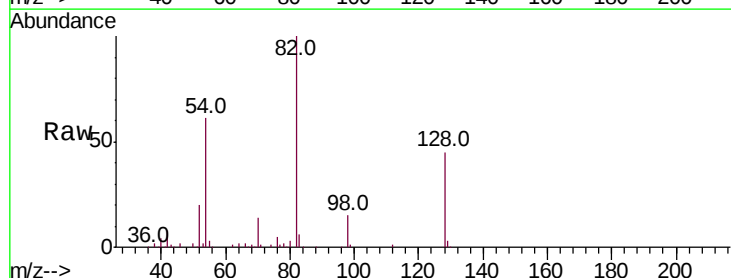
Ion Ratio Lower Upper

70 100

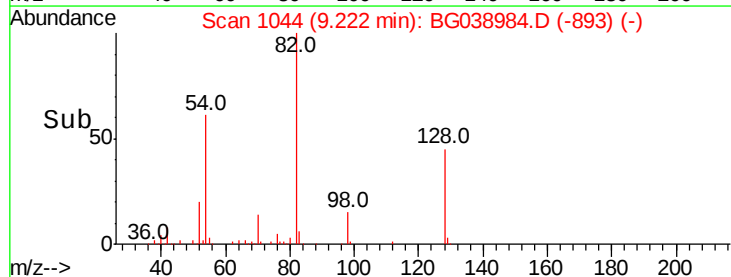
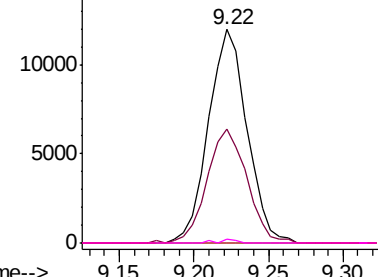
42 53.1 63.6 95.4#

101 0.0 9.2 13.8#

130 2.0 18.5 27.7#



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

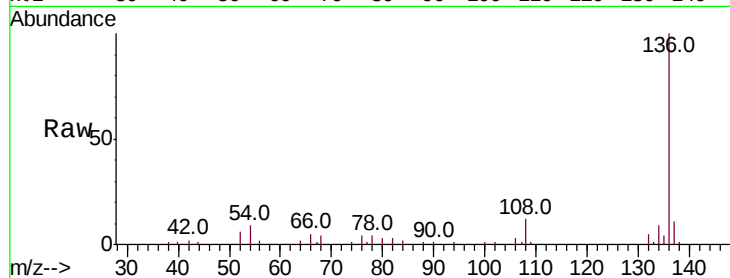




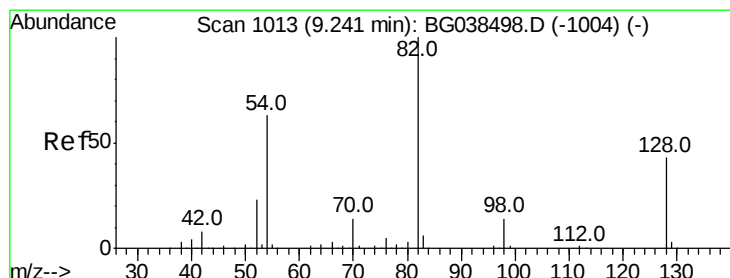
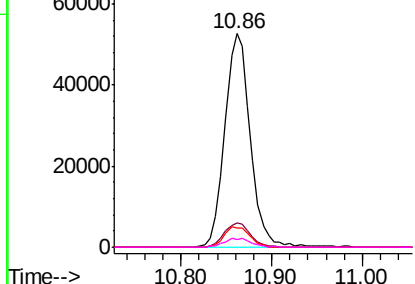
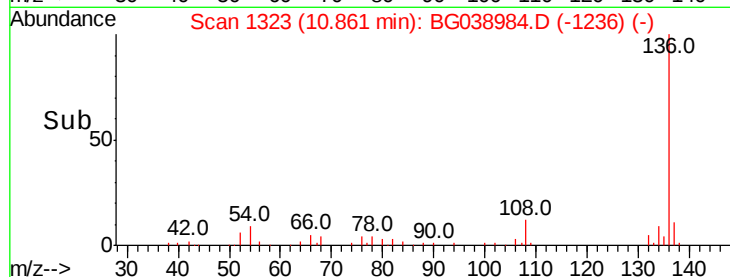
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038984.D
Acq: 8 Jan 2019 2:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	102712
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	9.1	8.5	12.7
68	3.9	3.5	5.3

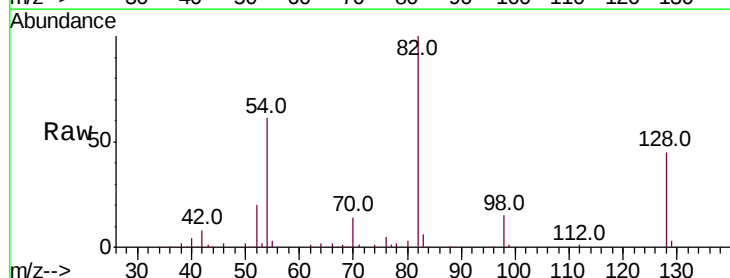


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

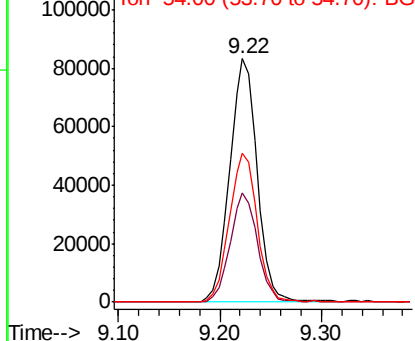
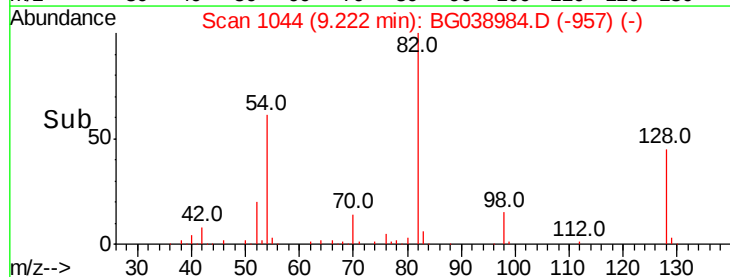


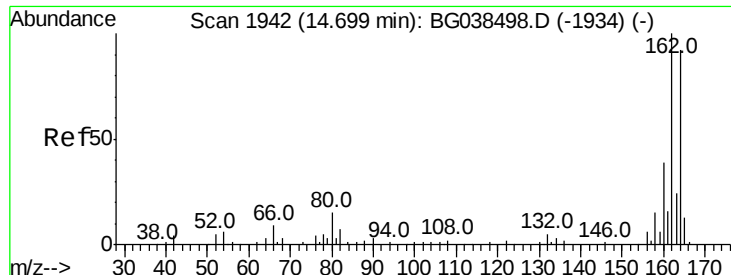
#23
Nitrobenzene-d5
Concen: 77.788 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038984.D
Acq: 8 Jan 2019 2:22

Tgt Ion:	82	Resp:	156395
Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.6	52.0
54	61.0	50.6	76.0



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. -0.02 min

Lab File: BG038984.D

Acq: 8 Jan 2019 2:22

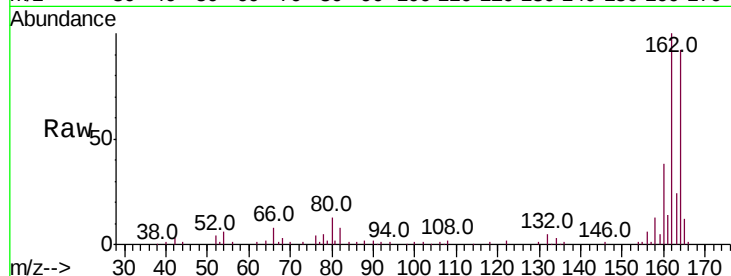
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 70112

Ion	Ratio	Lower	Upper
164	100		
162	108.7	86.6	130.0
160	41.1	34.2	51.2

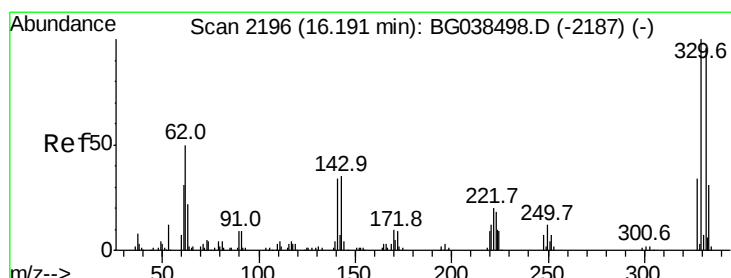
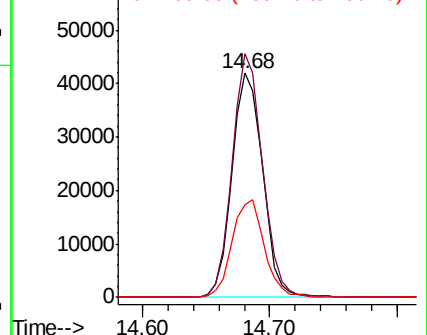
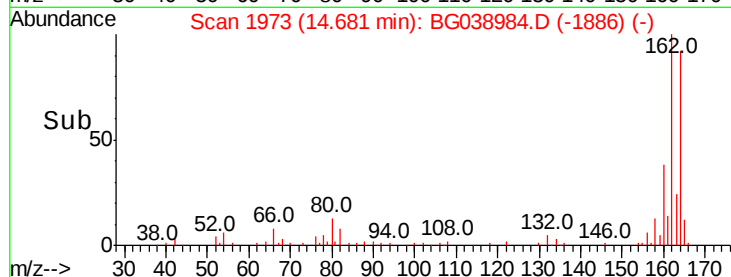


Abundance

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: 143.586 ng

RT: 16.17 min Scan# 2227

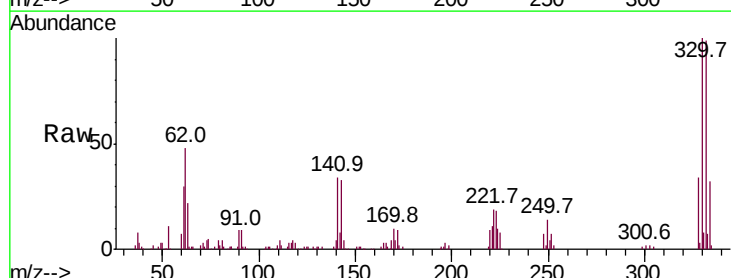
Delta R.T. -0.02 min

Lab File: BG038984.D

Acq: 8 Jan 2019 2:22

Tgt Ion:330 Resp: 138743

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	32.3	28.8	43.2

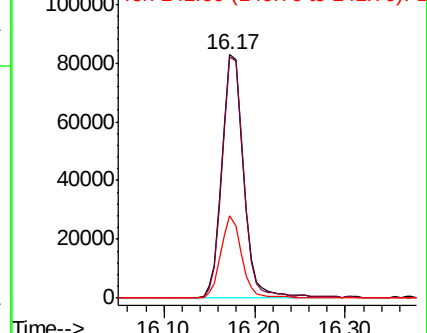
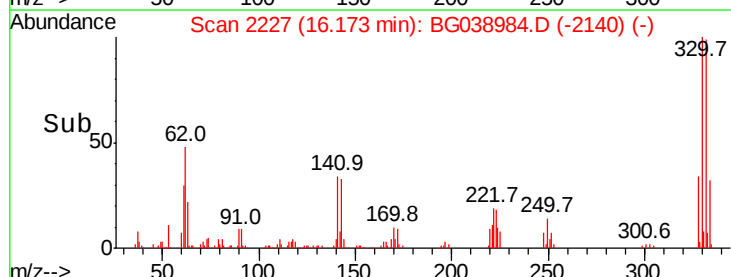


Abundance

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

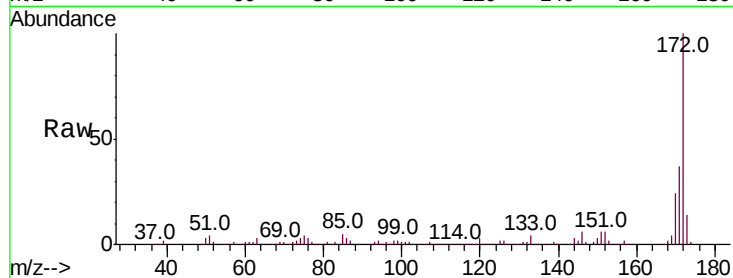




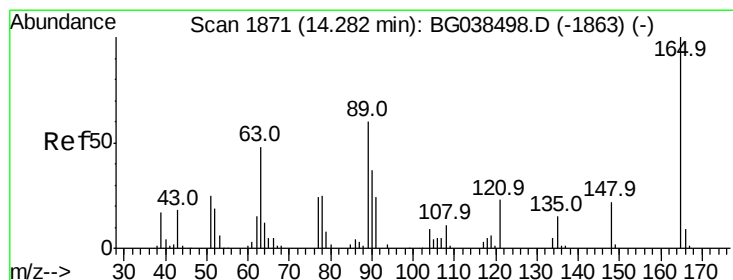
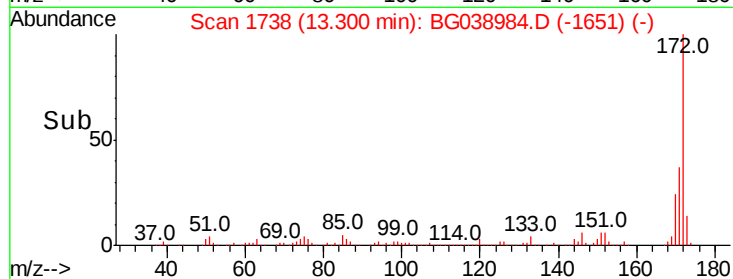
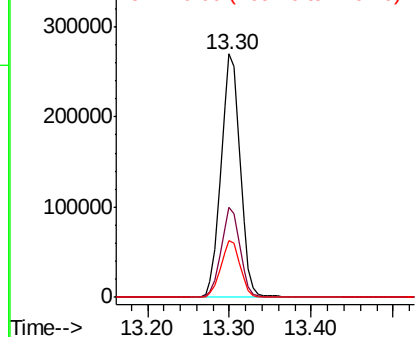
#45
 2-Fluorobiphenyl
 Concen: 86.464 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG038984.D
 Acq: 8 Jan 2019 2:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 441895
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.8 44.6
 170 23.6 19.5 29.3

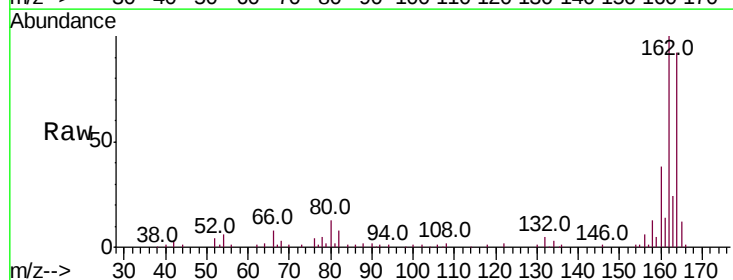


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

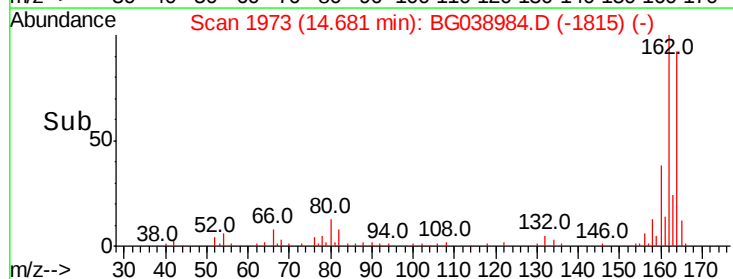
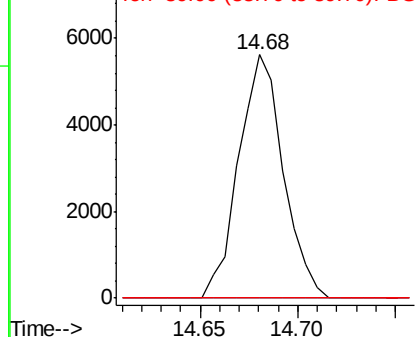


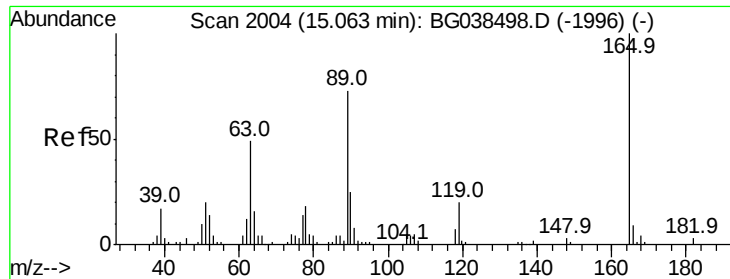
#51
 2,6-Dinitrotoluene
 Concen: 6.838 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.40 min
 Lab File: BG038984.D
 Acq: 8 Jan 2019 2:22

Tgt Ion:165 Resp: 8872
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#



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

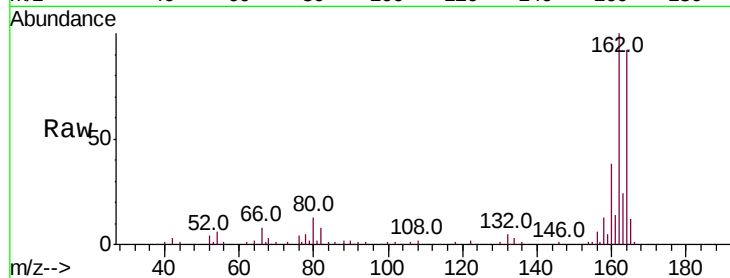




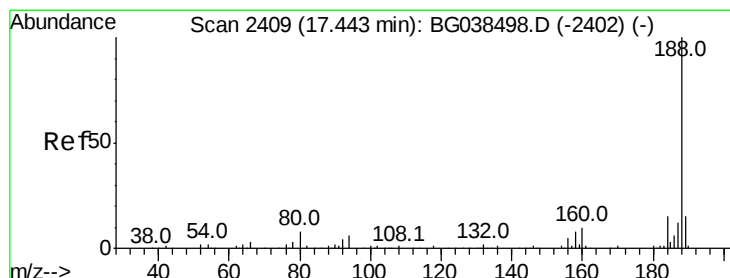
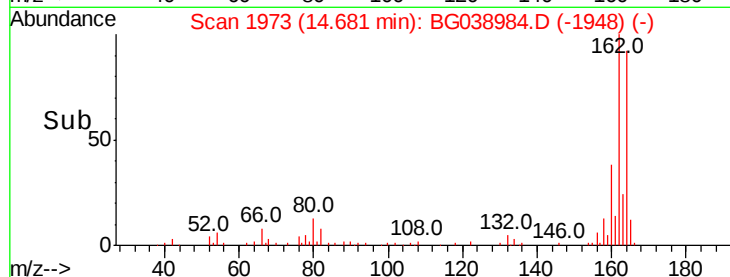
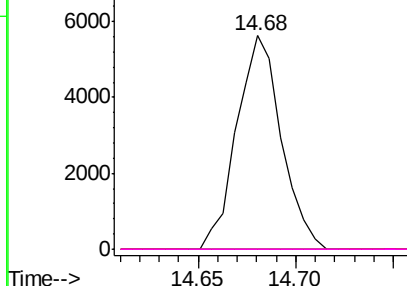
#57
 2,4-Dinitrotoluene
 Concen: 4.855 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.38 min
 Lab File: BG038984.D
 Acq: 8 Jan 2019 2:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 8872
 Ion Ratio Lower Upper
 165 100
 63 0.0 39.0 58.4#
 89 0.0 58.0 87.0#
 182 0.0 2.3 3.5#

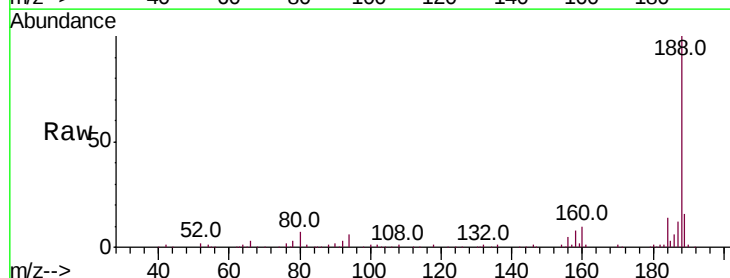


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E

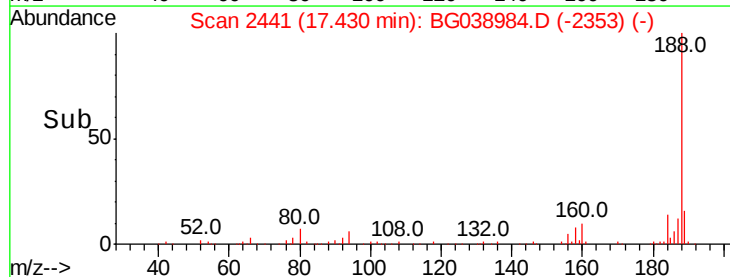
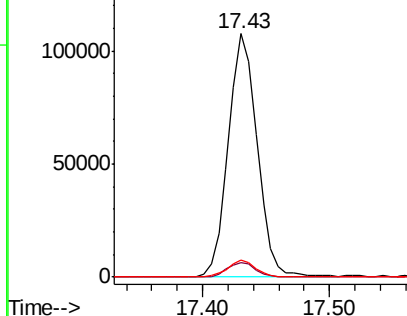


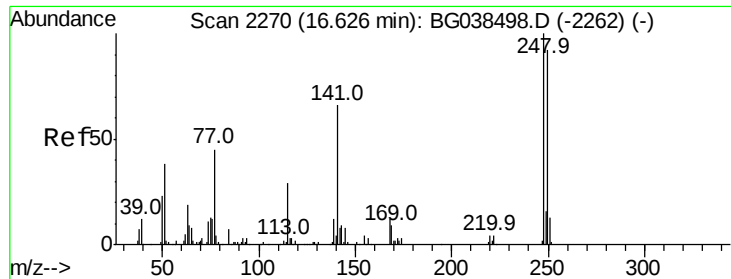
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG038984.D
 Acq: 8 Jan 2019 2:22

Tgt Ion:188 Resp: 170240
 Ion Ratio Lower Upper
 188 100
 94 6.2 5.1 7.7
 80 7.0 6.1 9.1



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





#67

4-Bromophenyl-phenylether

Concen: 4.242 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.45 min

Lab File: BG038984.D

Acq: 8 Jan 2019 2:22

Instrument :

BNA_G

ClientSampleId :

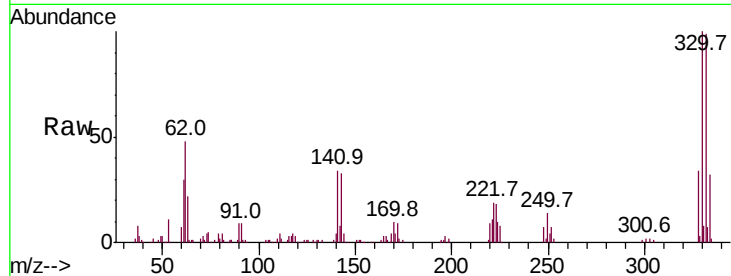
Tot Ion:248 Resp: 8819

Ion Ratio Lower Upper

248 100

250 202.3 73.4 110.2#

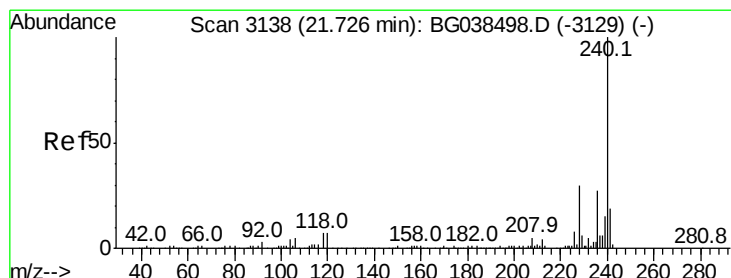
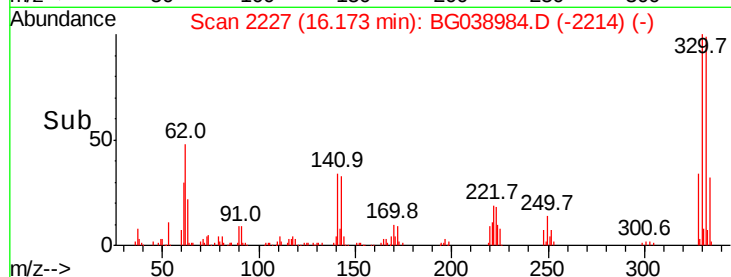
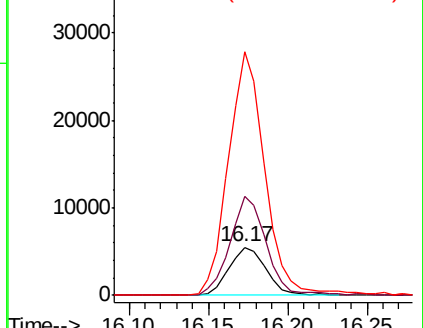
141 381.3 52.9 79.3#



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: 21.71 min Scan# 3169

Delta R.T. -0.02 min

Lab File: BG038984.D

Acq: 8 Jan 2019 2:22

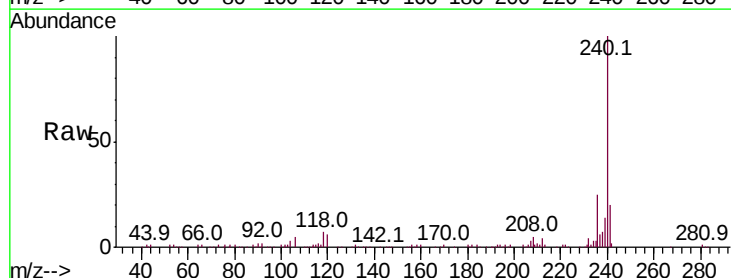
Tgt Ion:240 Resp: 173396

Ion Ratio Lower Upper

240 100

120 6.3 5.3 7.9

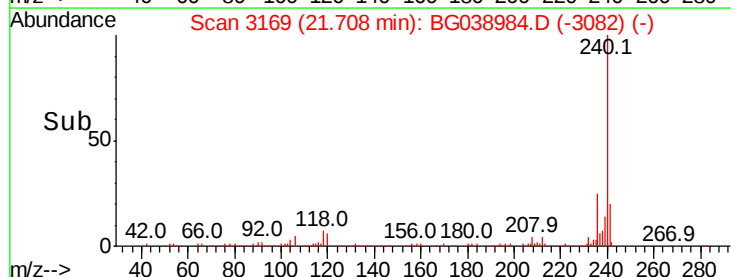
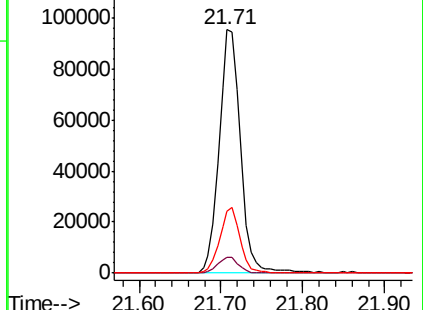
236 25.5 21.4 32.2

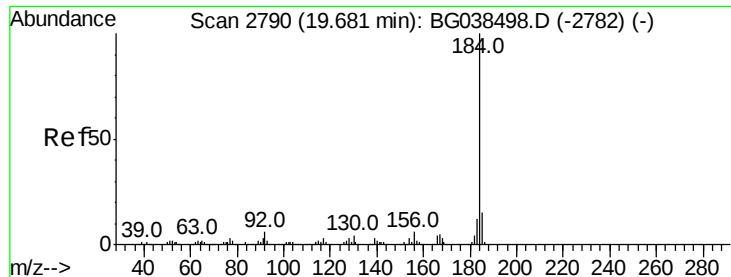


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.371 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.35 min

Lab File: BG038984.D

Acq: 8 Jan 2019 2:22

Instrument :

BNA_G

ClientSampleId :

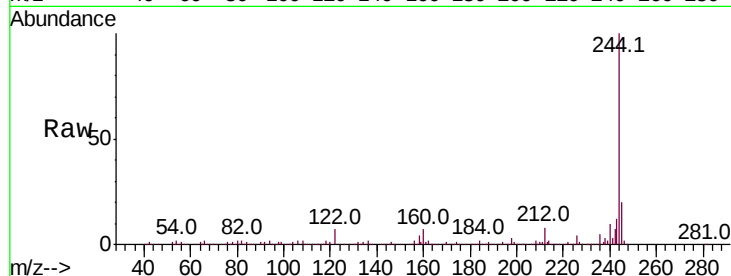
Tot Ion:184 Resp: 12157

Ion Ratio Lower Upper

184 100

185 16.1 12.2 18.2

183 8.7 9.6 14.4#

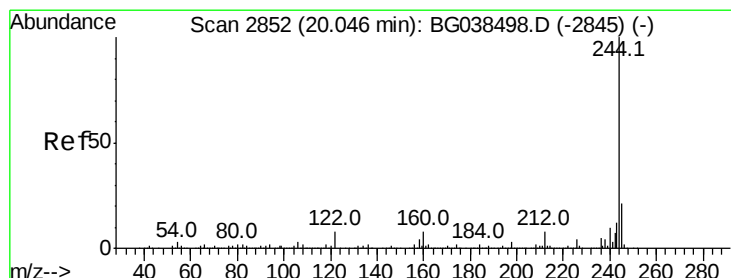
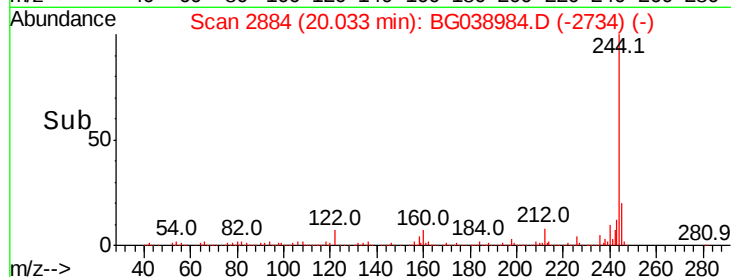
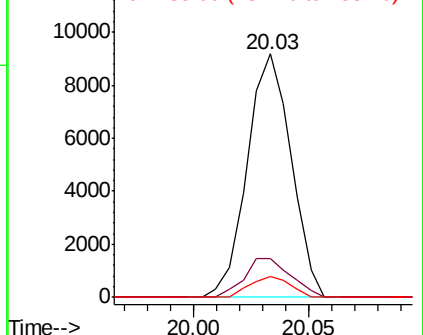


Abundance

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: 99.573 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038984.D

Acq: 8 Jan 2019 2:22

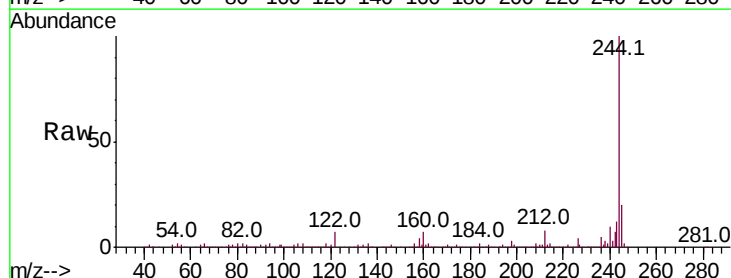
Tgt Ion:244 Resp: 793329

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

122 7.2 6.3 9.5

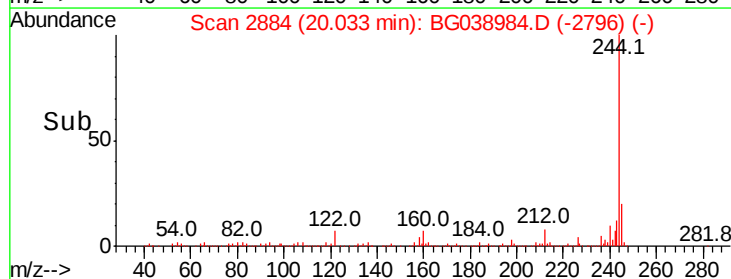
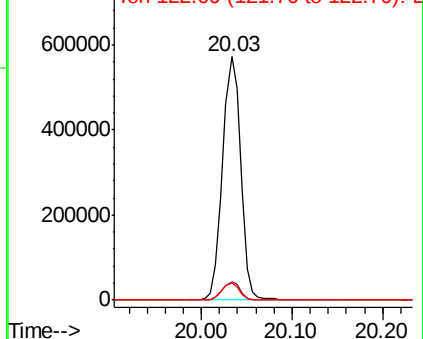


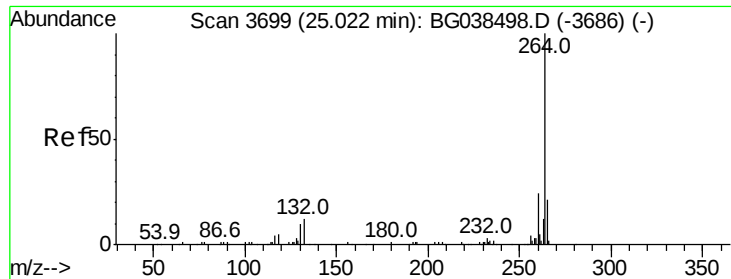
Abundance

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: 25.00 min Scan# 3729
 Delta R.T. -0.02 min
 Lab File: BG038984.D
 Acq: 8 Jan 2019 2:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.9	28.3
265	21.3	17.0	25.4

