

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010719\
 Data File : BG038981.D
 Acq On : 8 Jan 2019 00:25
 Operator : JU/SJ
 Sample : K1010-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 08 03:12:17 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

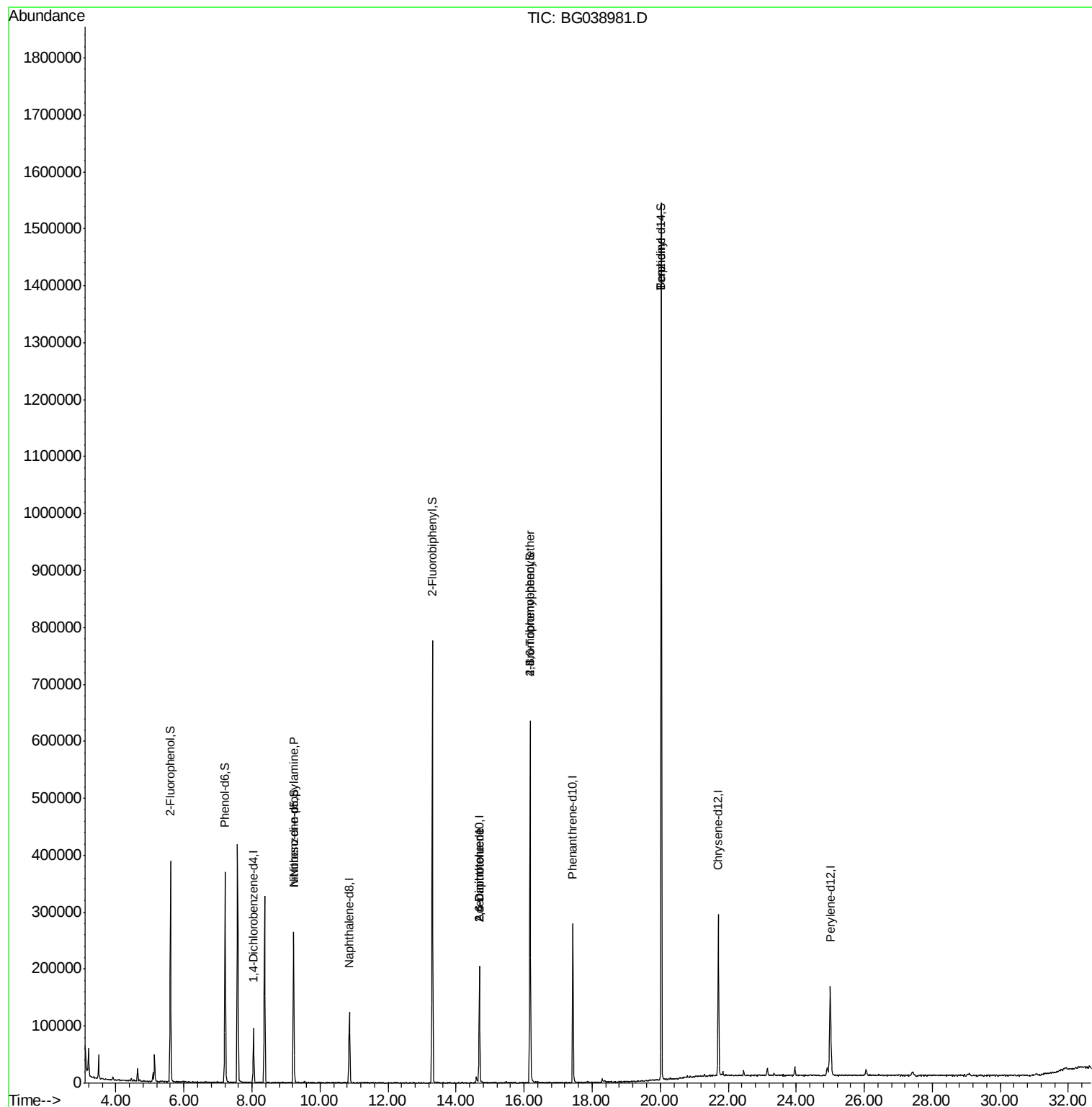
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	28517	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	112179	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	77828	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	187371	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	189544	20.00	ng	-0.02
87) Perylene-d12	25.00	264	196758	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	167373	104.10	ng	0.00
7) Phenol-d6	7.21	99	210735	95.48	ng	0.00
23) Nitrobenzene-d5	9.22	82	155721	70.92	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	142569	132.92	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	432696	76.27	ng	-0.02
79) Terphenyl-d14	20.03	244	774997	88.98	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	21448	13.835	ng	# 70
51) 2,6-Dinitrotoluene	14.68	165	10005	6.946	ng	# 19
57) 2,4-Dinitrotoluene	14.68	165	10005	4.932	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	9113	3.982	ng	# 1
77) Benzidine	20.03	184	12570	2.242	ng	# 94

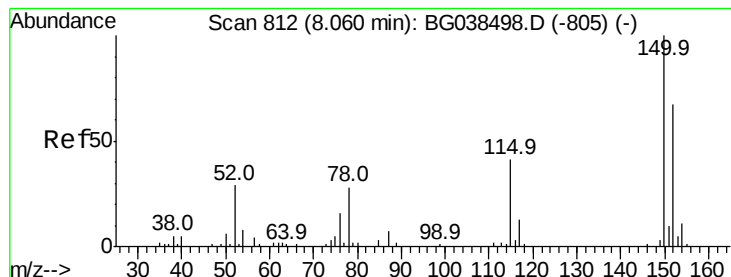
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
ClientSampleId :

Quant Time: Jan 08 03:12:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
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QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration



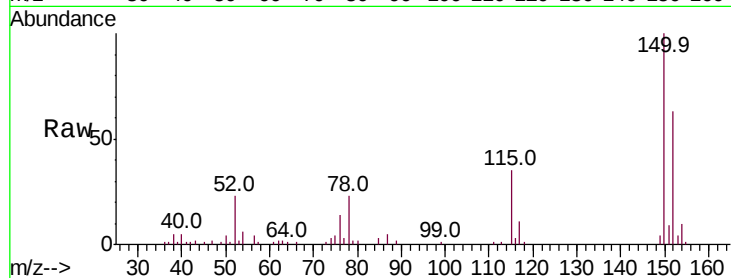


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038981.D
Acq: 8 Jan 2019 00:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	119.5	179.3
115	56.2	49.6	74.4

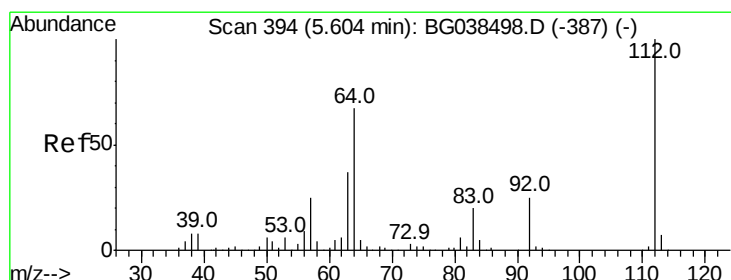
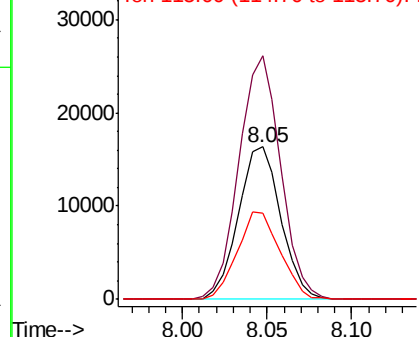
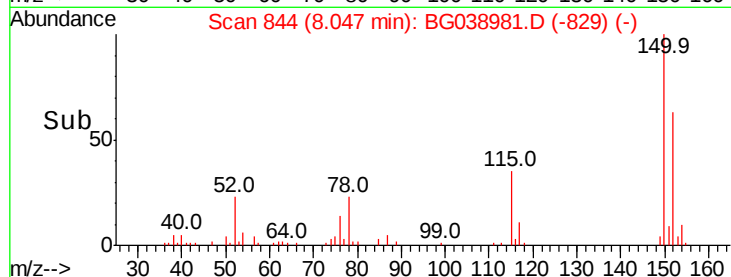


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

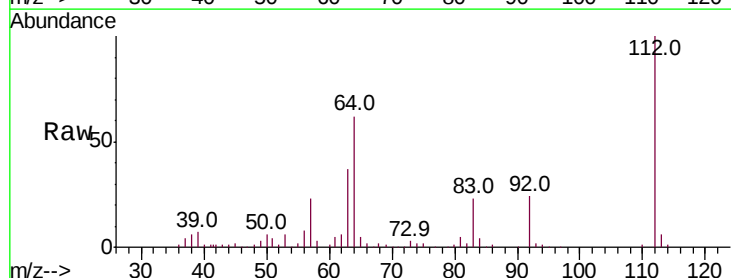
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.100 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038981.D
Acq: 8 Jan 2019 00:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	53.4	80.2
63	36.9	29.3	43.9

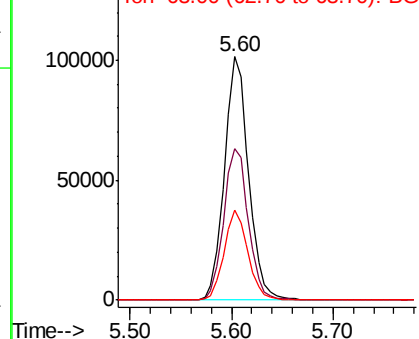
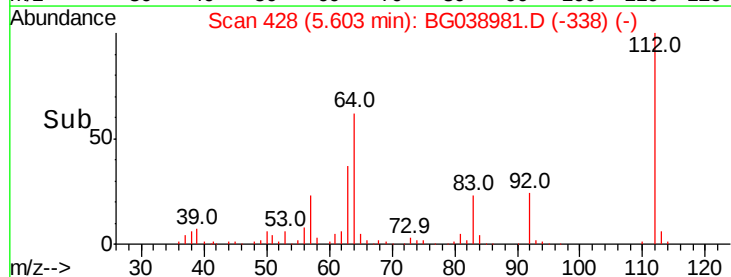


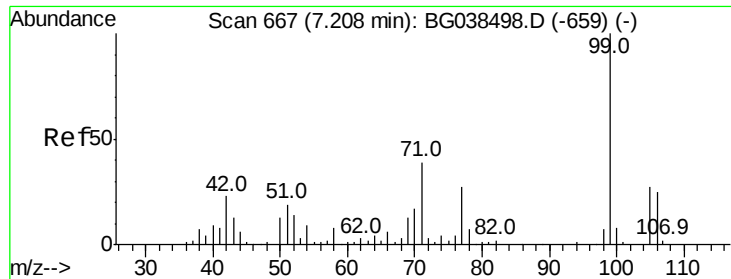
Abundance

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: 95.475 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038981.D

Acq: 8 Jan 2019 00:25

Instrument :

BNA_G

ClientSampleId :

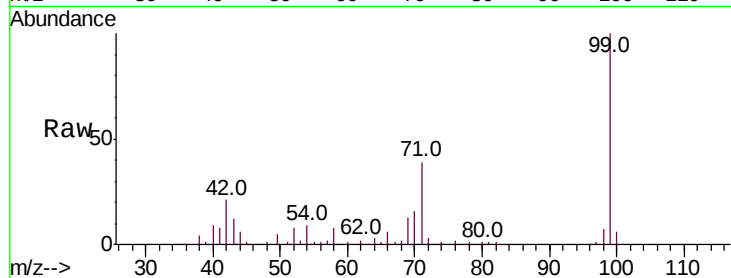
Tot Ion: 99 Resp: 210735

Ion Ratio Lower Upper

99 100

42 21.2 18.5 27.7

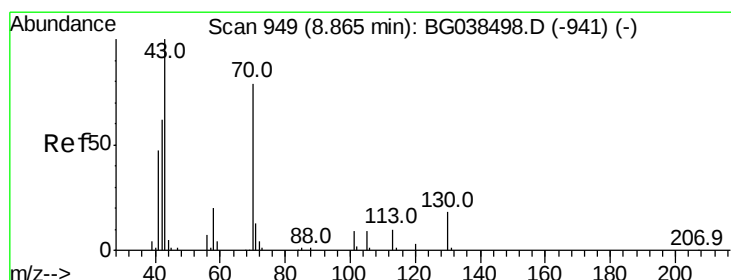
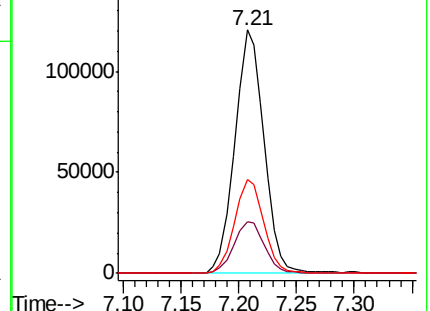
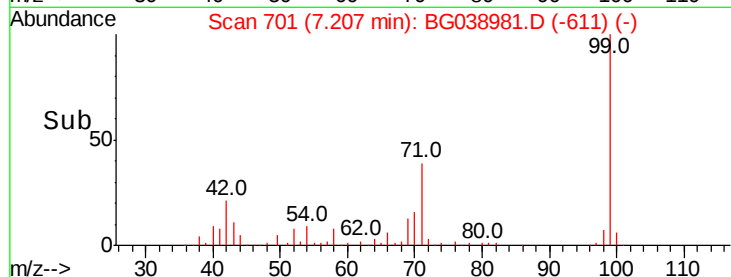
71 38.8 31.1 46.7



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: 13.835 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG038981.D

Acq: 8 Jan 2019 00:25

Tgt Ion: 70 Resp: 21448

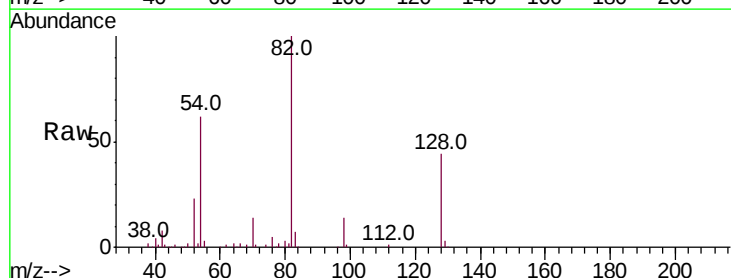
Ion Ratio Lower Upper

70 100

42 56.6 63.6 95.4#

101 0.0 9.2 13.8#

130 2.0 18.5 27.7#

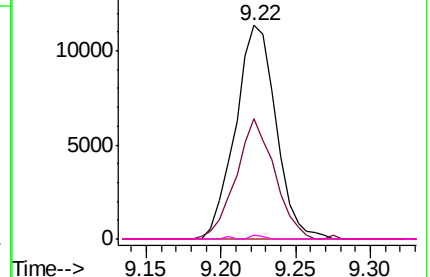
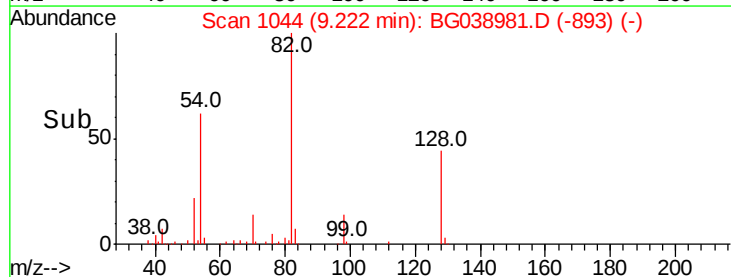


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

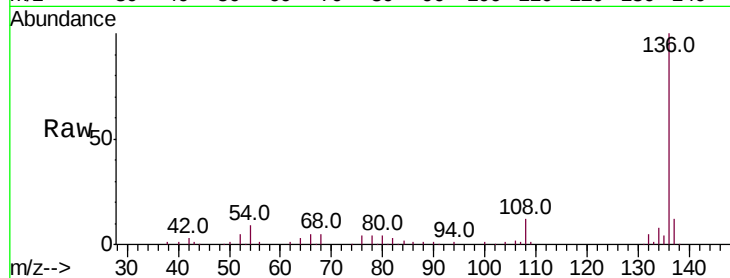




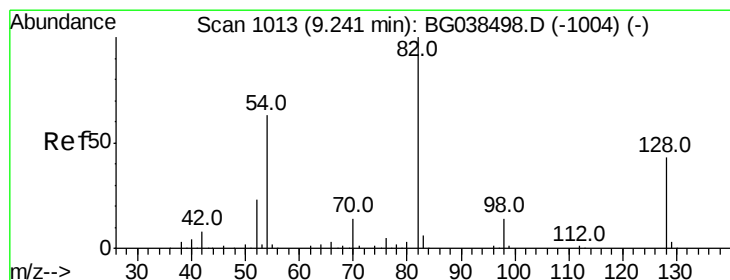
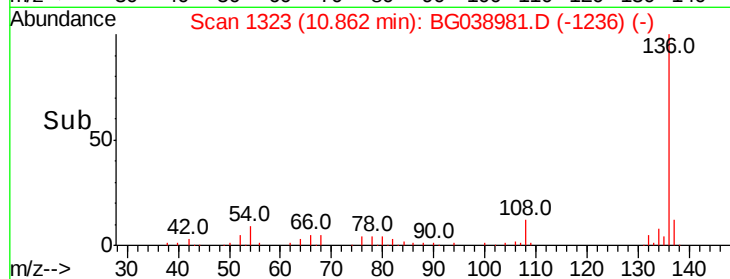
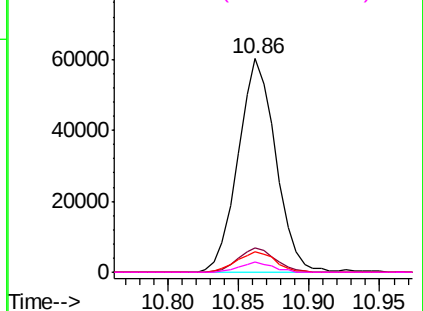
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038981.D
Acq: 8 Jan 2019 00:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	112179
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.3	13.9
54	9.5	8.5	12.7
68	5.0	3.5	5.3

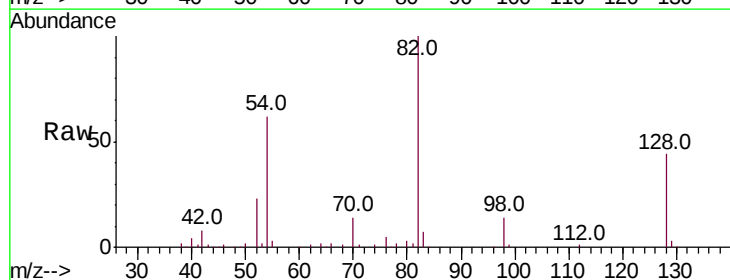


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

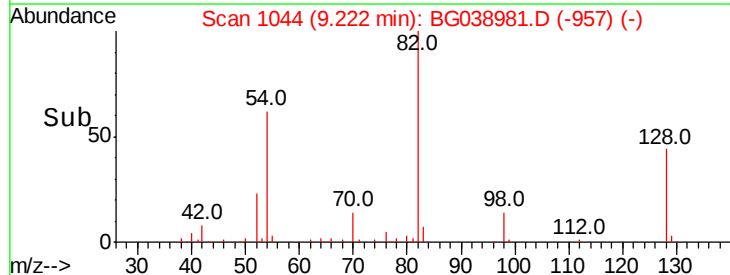
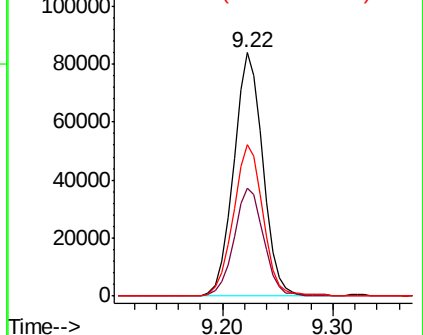


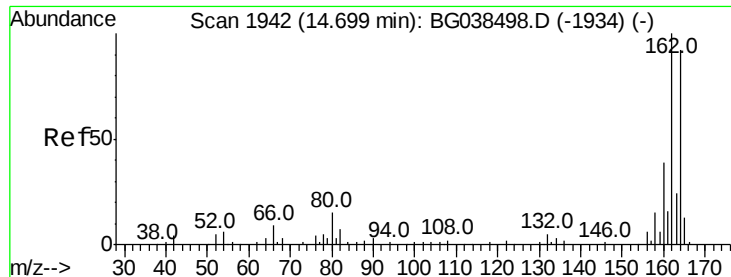
#23
Nitrobenzene-d5
Concen: 70.916 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038981.D
Acq: 8 Jan 2019 00:25

Tgt Ion:	82	Resp:	155721
Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.6	52.0
54	62.4	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: BG038981.D

Acq: 8 Jan 2019 00:25

Instrument :

BNA_G

ClientSampleId :

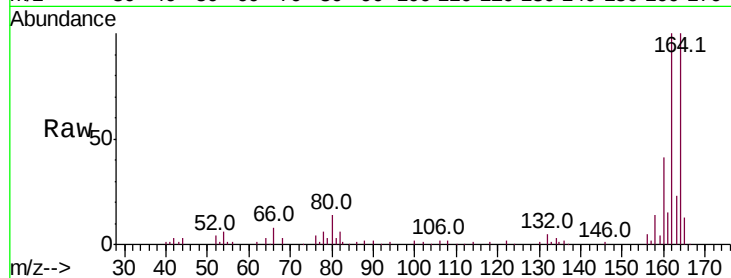
Tot Ion:164 Resp: 77828

Ion Ratio Lower Upper

164 100

162 99.8 86.6 130.0

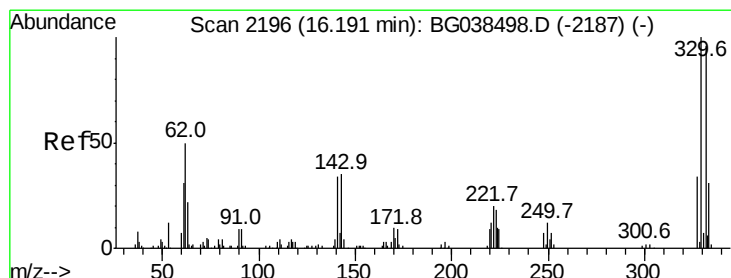
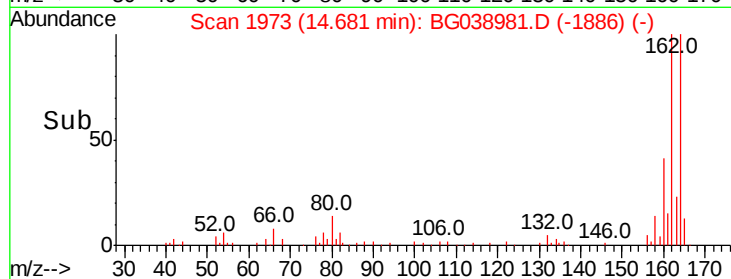
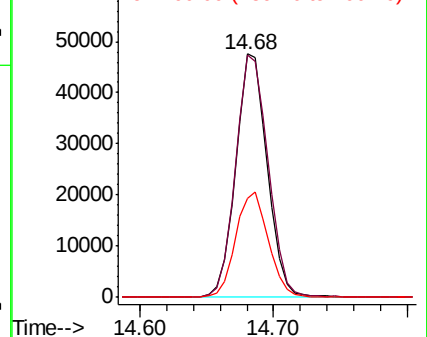
160 40.7 34.2 51.2



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: 132.918 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BG038981.D

Acq: 8 Jan 2019 00:25

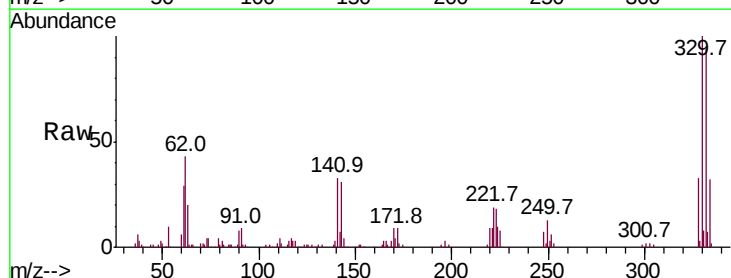
Tgt Ion:330 Resp: 142569

Ion Ratio Lower Upper

330 100

332 96.2 76.9 115.3

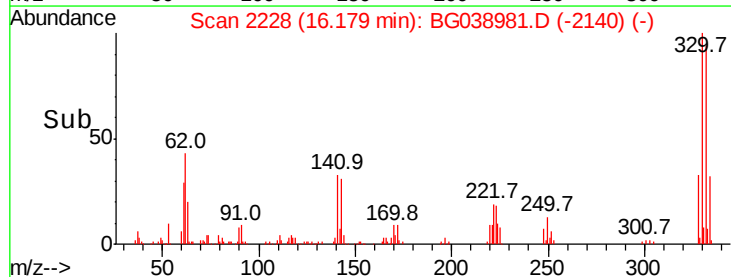
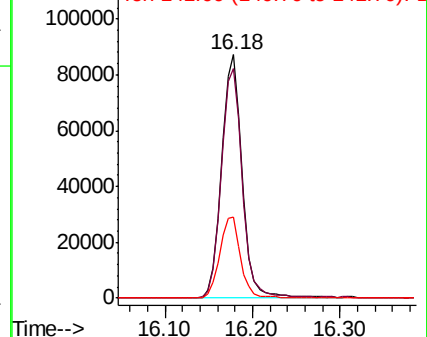
141 33.9 28.8 43.2



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

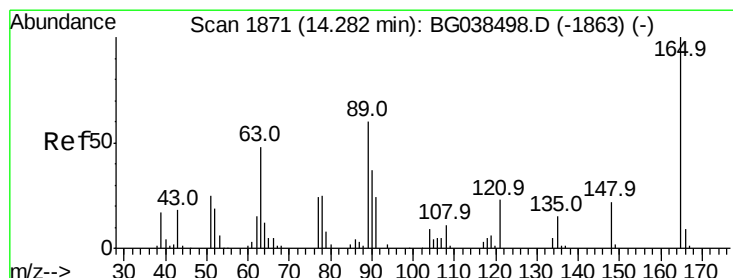
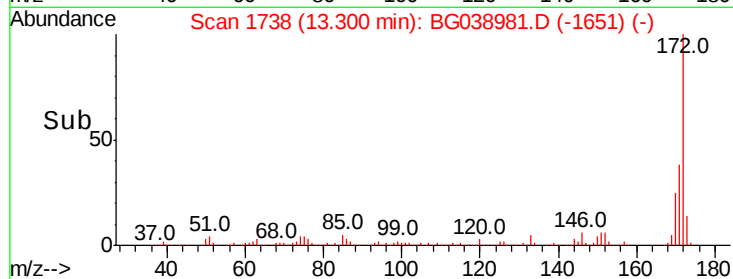
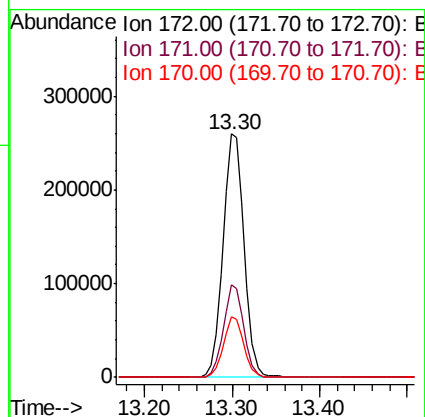
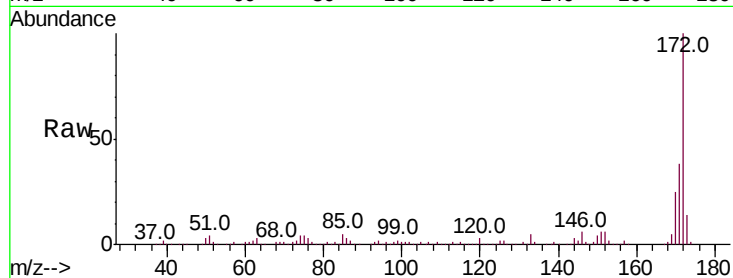




#45
 2-Fluorobiphenyl
 Concen: 76.270 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG038981.D
 Acq: 8 Jan 2019 00:25

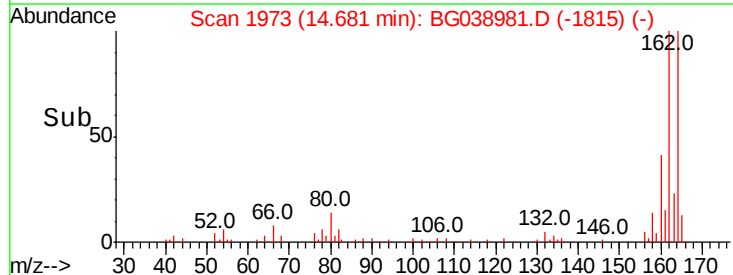
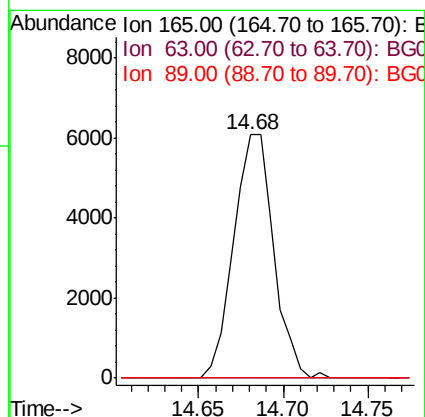
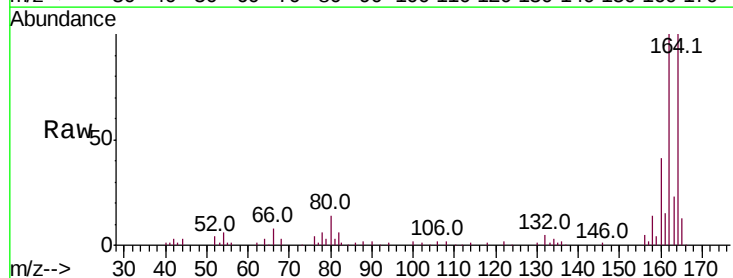
Instrument :
 BNA_G
 ClientSampleId :

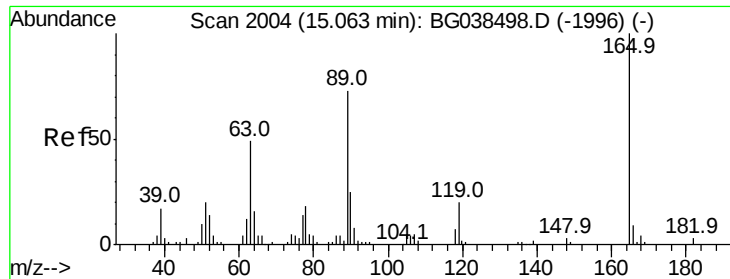
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.8	44.6
170	24.7	19.5	29.3



#51
 2,6-Dinitrotoluene
 Concen: 6.946 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.40 min
 Lab File: BG038981.D
 Acq: 8 Jan 2019 00:25

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

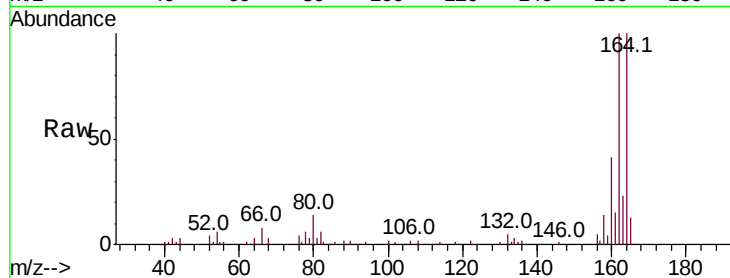




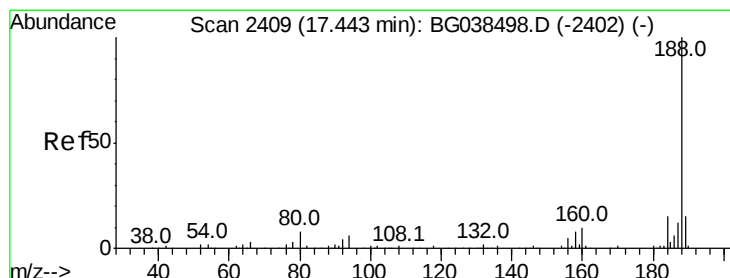
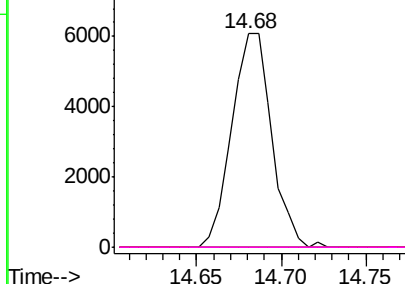
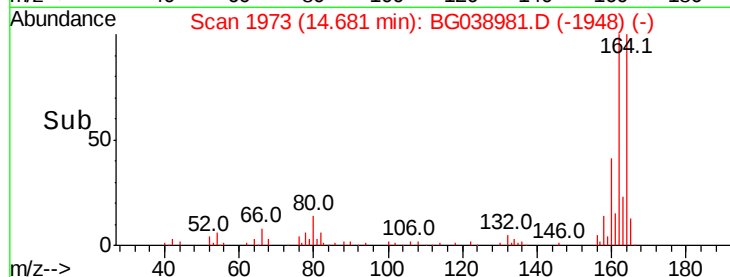
#57
 2,4-Dinitrotoluene
 Concen: 4.932 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.38 min
 Lab File: BG038981.D
 Acq: 8 Jan 2019 00:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 10005
 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#

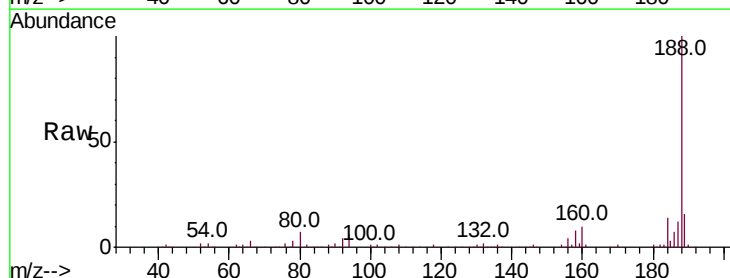


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

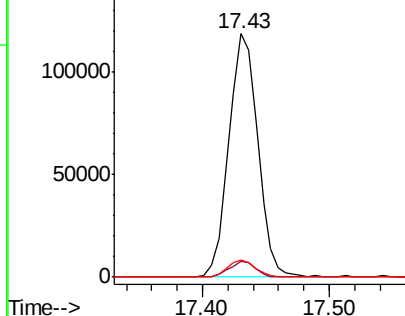
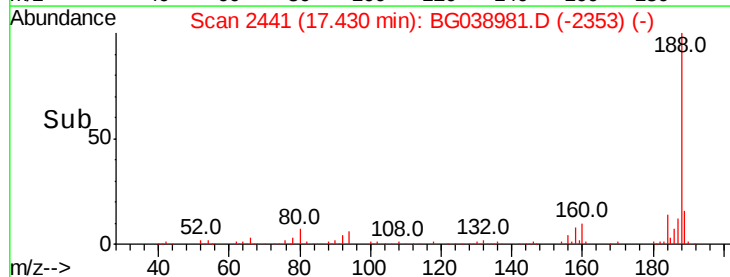


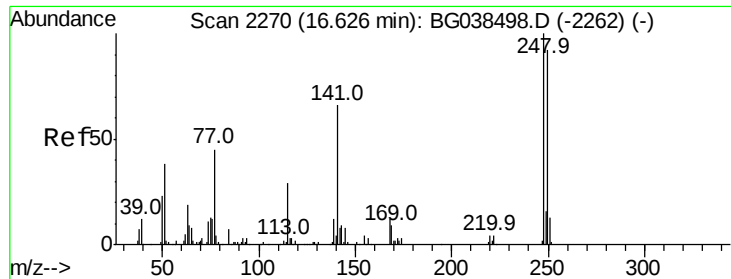
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG038981.D
 Acq: 8 Jan 2019 00:25

Tgt Ion:188 Resp: 187371
 Ion Ratio Lower Upper
 188 100
 94 6.3 5.1 7.7
 80 6.9 6.1 9.1



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: 3.982 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.45 min

Lab File: BG038981.D

Acq: 8 Jan 2019 00:25

Instrument :

BNA_G

ClientSampleId :

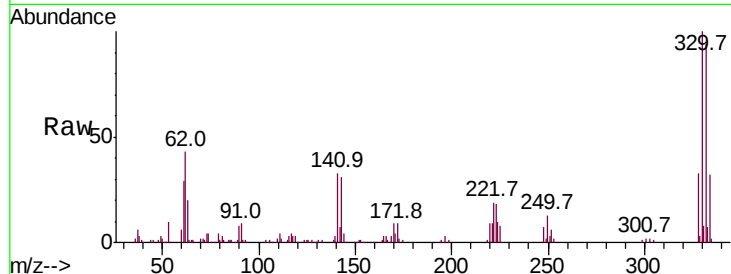
Tot Ion:248 Resp: 9113

Ion Ratio Lower Upper

248 100

250 189.5 73.4 110.2#

141 379.2 52.9 79.3#

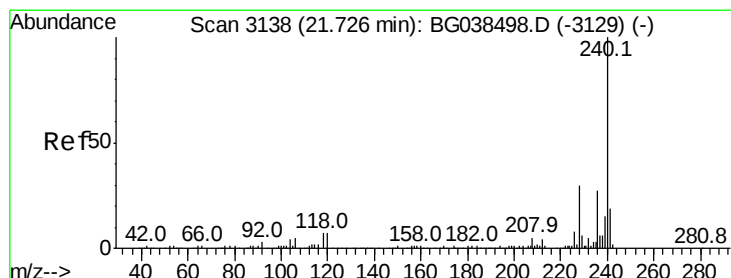
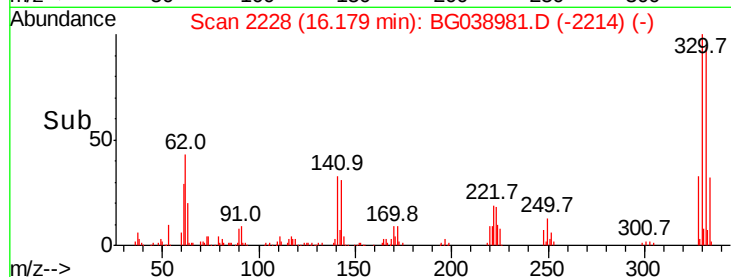
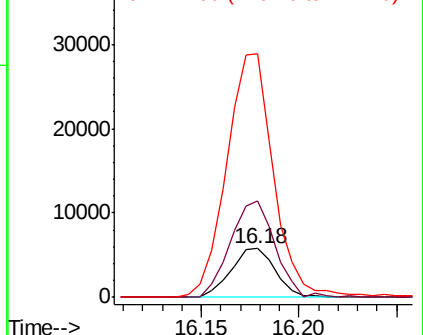


Abundance

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: BG038981.D

Acq: 8 Jan 2019 00:25

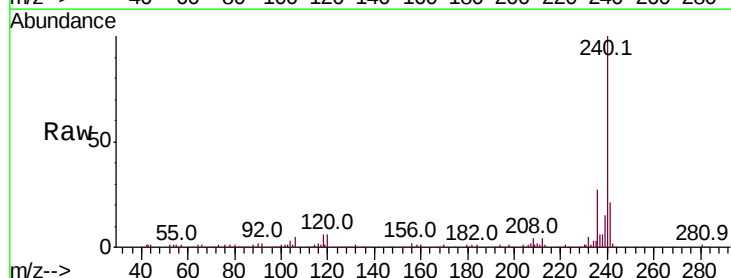
Tgt Ion:240 Resp: 189544

Ion Ratio Lower Upper

240 100

120 6.2 5.3 7.9

236 27.1 21.4 32.2

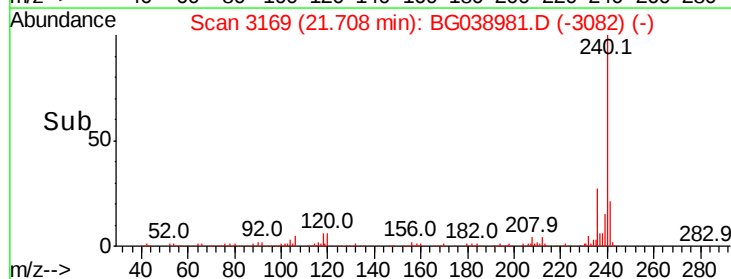
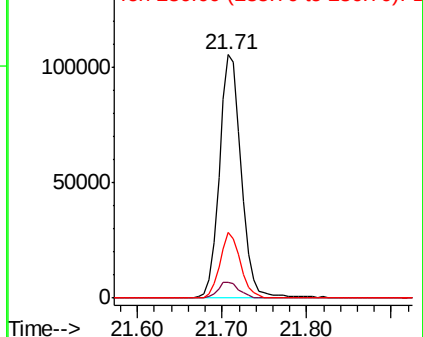


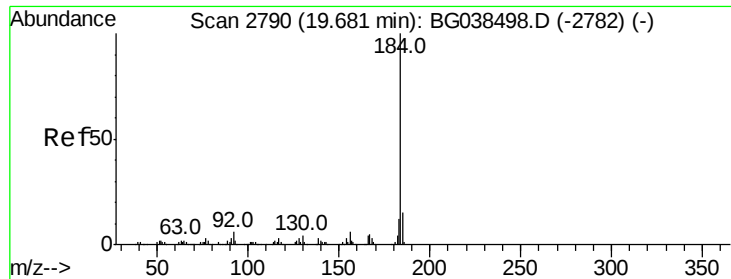
Abundance

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: 2.242 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.35 min

Lab File: BG038981.D

Acq: 8 Jan 2019 00:25

Instrument :

BNA_G

ClientSampleId :

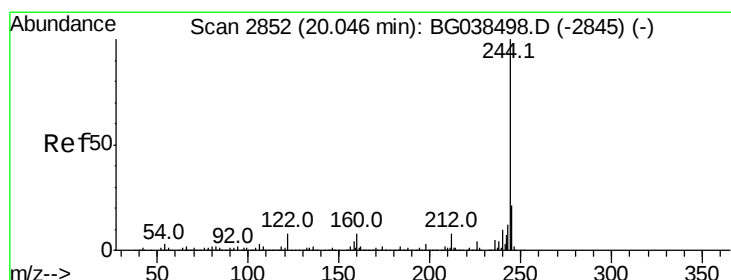
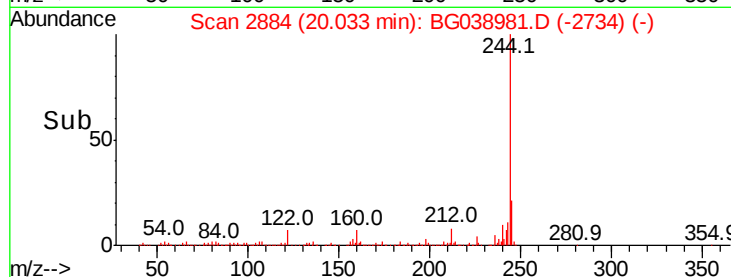
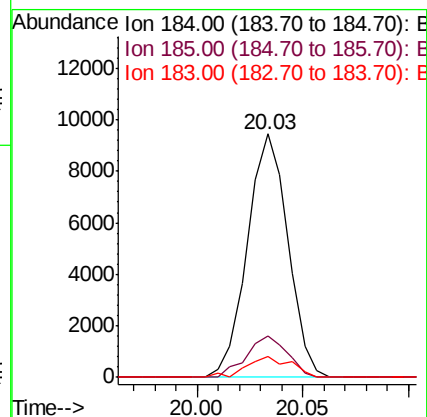
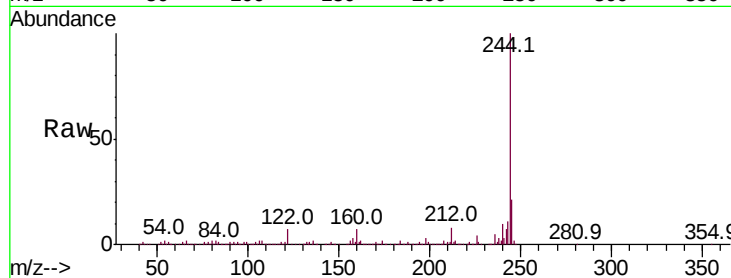
Tot Ion:184 Resp: 12570

Ion Ratio Lower Upper

184 100

185 17.1 12.2 18.2

183 8.6 9.6 14.4#



#79

Terphenyl-d14

Concen: 88.985 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038981.D

Acq: 8 Jan 2019 00:25

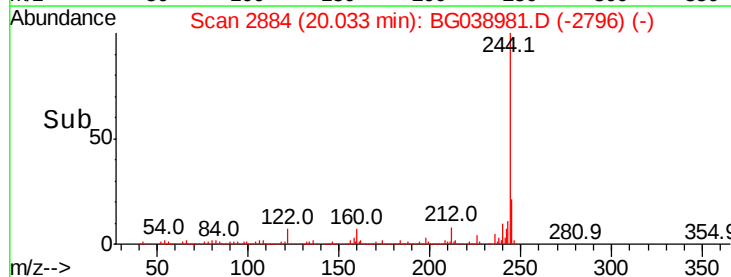
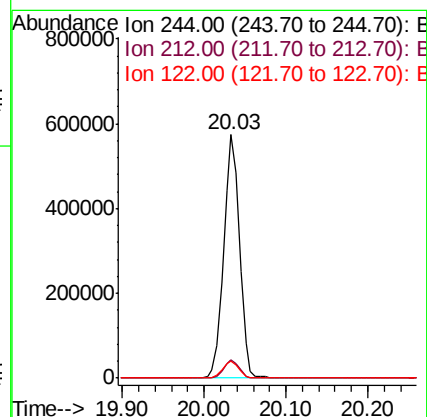
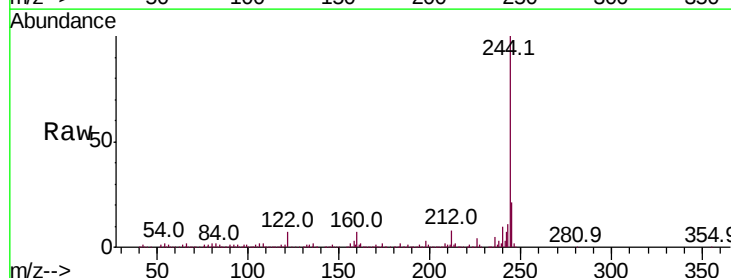
Tgt Ion:244 Resp: 774997

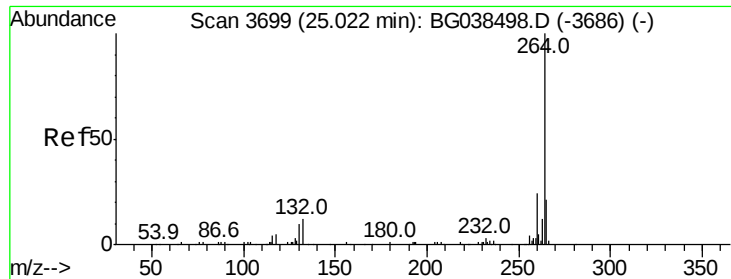
Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

122 7.1 6.3 9.5





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.00 min Scan# 3729
Delta R.T. -0.02 min
Lab File: BG038981.D
Acq: 8 Jan 2019 00:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.9	28.3
265	22.1	17.0	25.4

