

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010819\
 Data File : BG038999.D
 Acq On : 8 Jan 2019 18:33
 Operator : JU/SJ
 Sample : PB116229BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 09 03:02:00 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

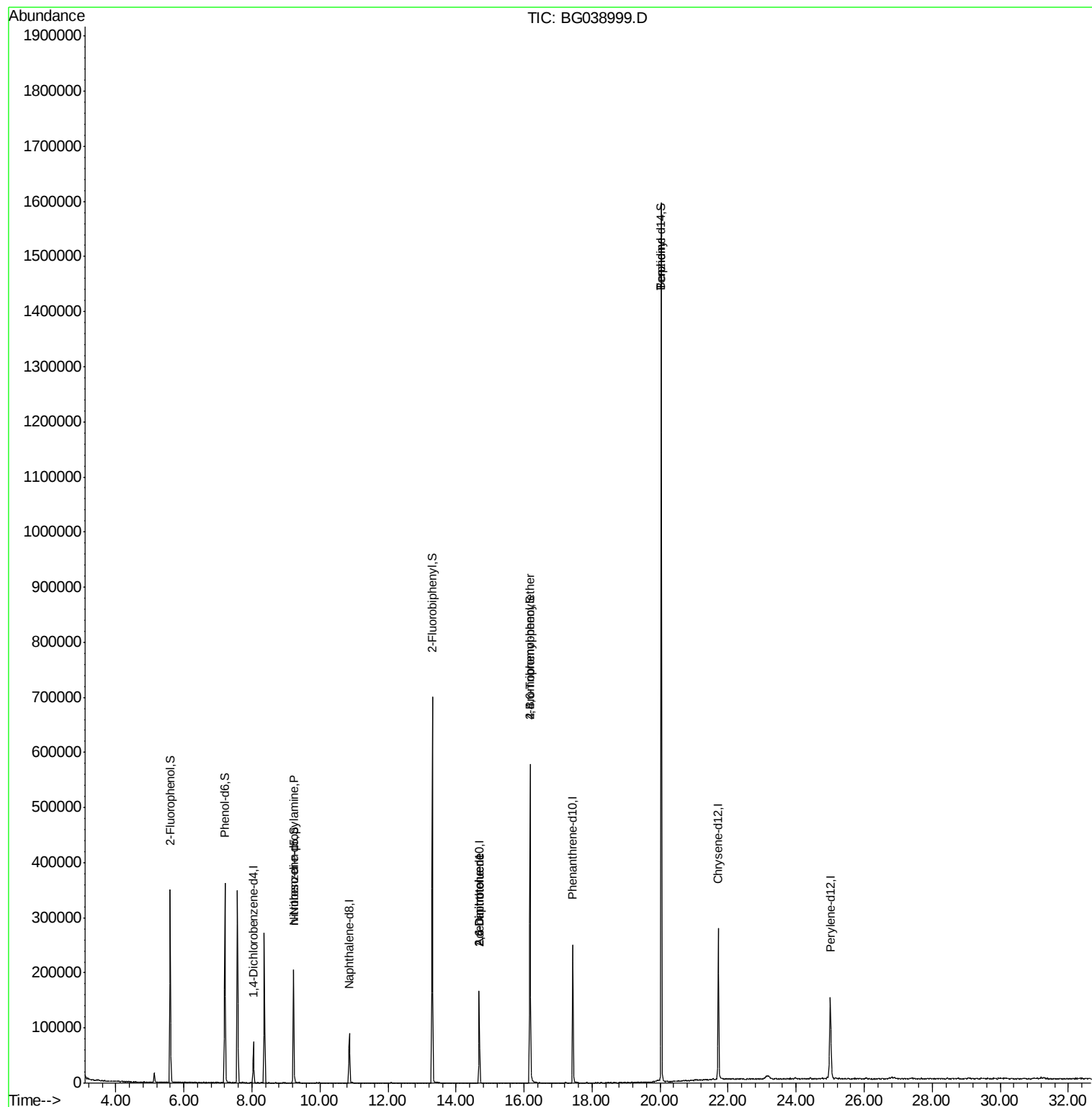
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	21480	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	87491	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	64753	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	175038	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	189749	20.00	ng	-0.02
87) Perylene-d12	25.00	264	196407	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	161176	133.09	ng	0.00
7) Phenol-d6	7.20	99	220786	132.80	ng	0.00
23) Nitrobenzene-d5	9.22	82	127797	74.62	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	133339	149.41	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	388803	82.37	ng	-0.02
79) Terphenyl-d14	20.03	244	811206	93.04	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	16985	14.546	ng	# 62
51) 2,6-Dinitrotoluene	14.68	165	8364	6.980	ng	# 19
57) 2,4-Dinitrotoluene	14.68	165	8364	4.956	ng	# 21
67) 4-Bromophenyl-phenylether	16.17	248	8467	3.961	ng	# 1
77) Benzidine	20.03	184	12398	2.209	ng	# 93

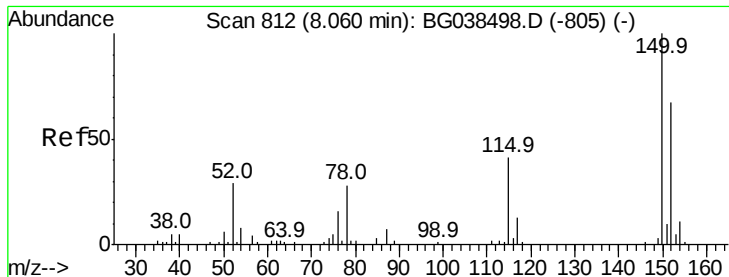
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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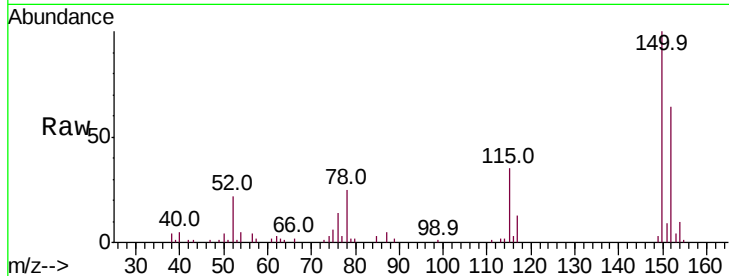


#1

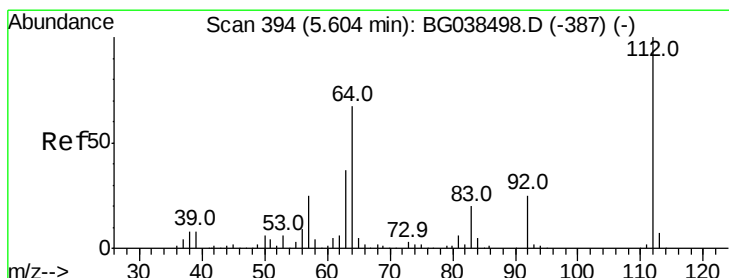
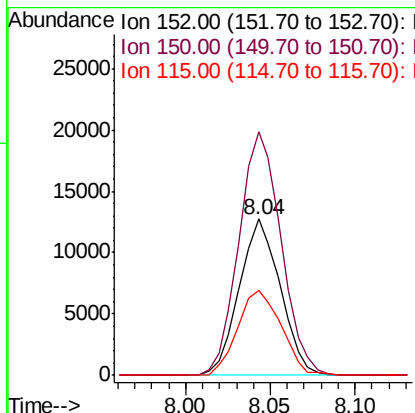
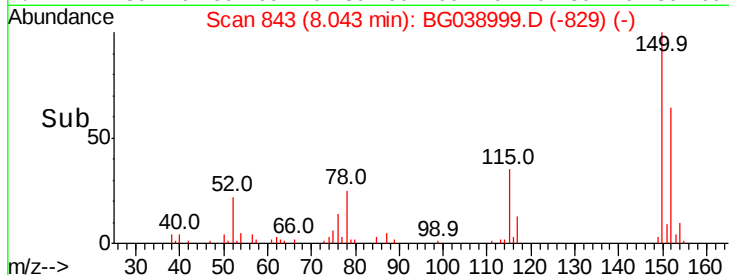
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.02 min
Lab File: BG038999.D
Acq: 8 Jan 2019 18:33

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 21480
Ion Ratio Lower Upper
152 100
150 155.8 119.5 179.3
115 54.0 49.6 74.4



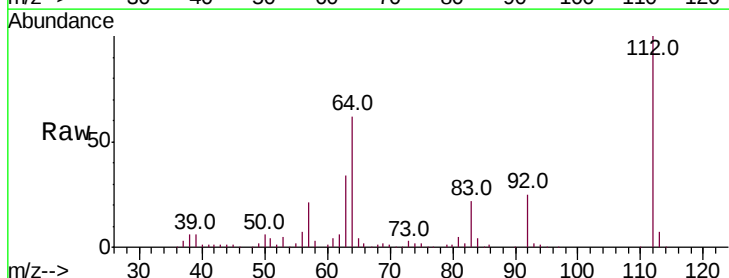
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



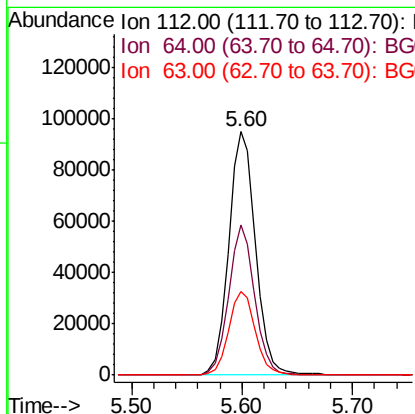
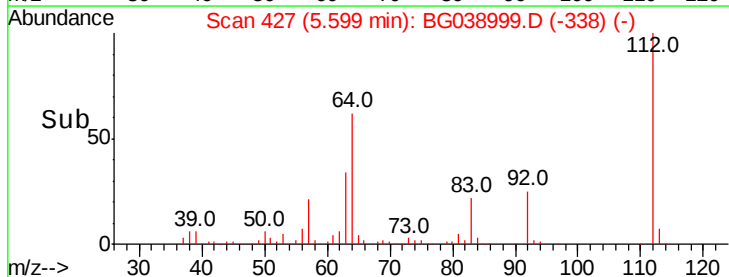
#5

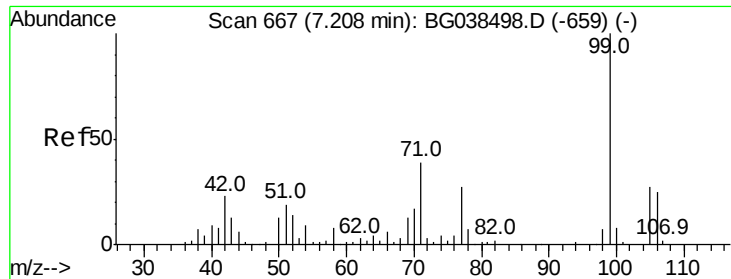
2-Fluorophenol
Concen: 133.087 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.00 min
Lab File: BG038999.D
Acq: 8 Jan 2019 18:33

Tgt Ion:112 Resp: 161176
Ion Ratio Lower Upper
112 100
64 61.9 53.4 80.2
63 34.1 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: 132.799 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG038999.D

Acq: 8 Jan 2019 18:33

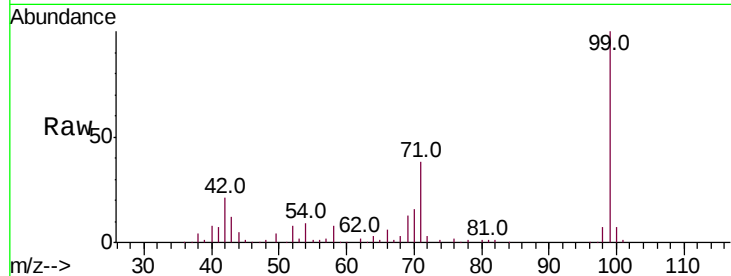
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 220786

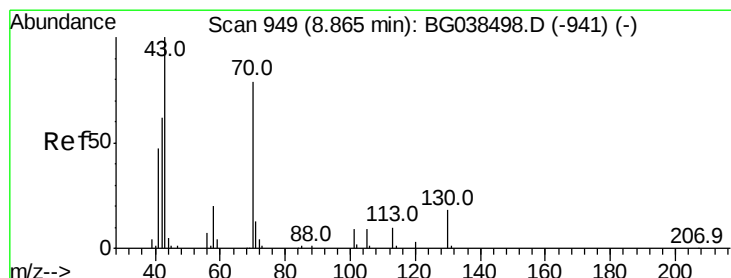
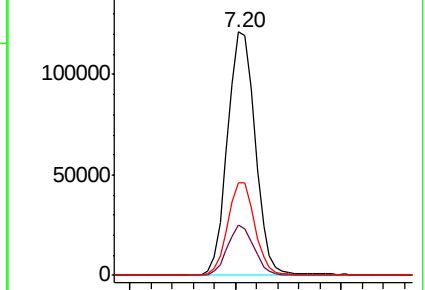
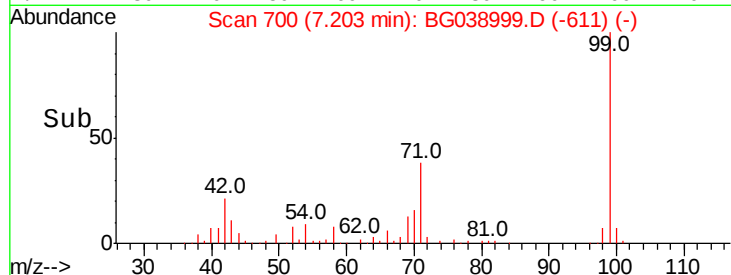
Ion	Ratio	Lower	Upper
99	100		
42	20.6	18.5	27.7
71	38.1	31.1	46.7



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: 14.546 ng

RT: 9.22 min Scan# 1044

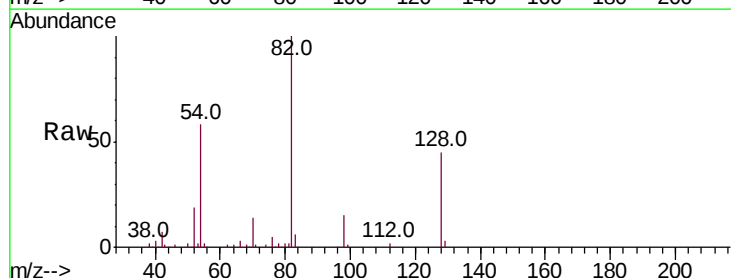
Delta R.T. 0.36 min

Lab File: BG038999.D

Acq: 8 Jan 2019 18:33

Tgt Ion: 70 Resp: 16985

Ion	Ratio	Lower	Upper
70	100		
42	47.8	63.6	95.4#
101	0.0	9.2	13.8#
130	0.0	18.5	27.7#

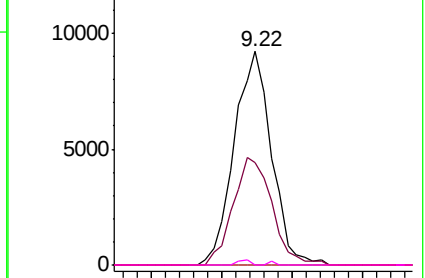
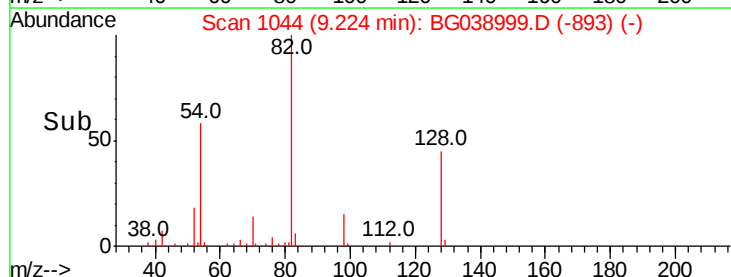


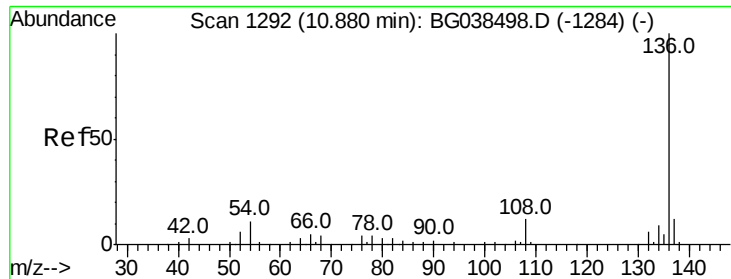
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

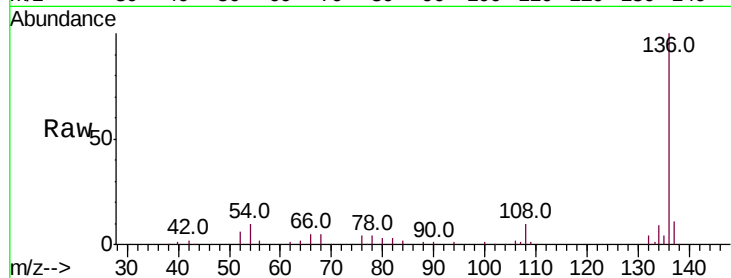




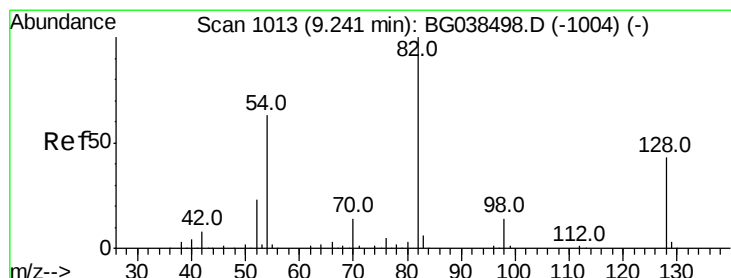
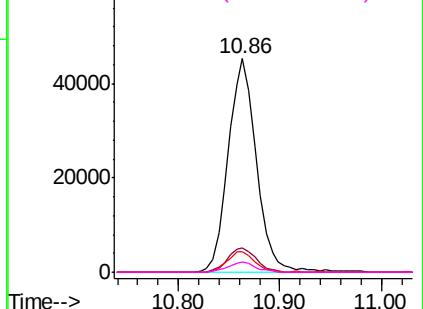
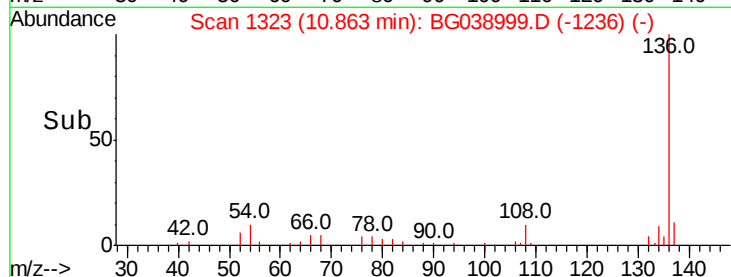
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038999.D
Acq: 8 Jan 2019 18:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	87491
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.3 13.9
54	9.7	8.5 12.7
68	4.6	3.5 5.3

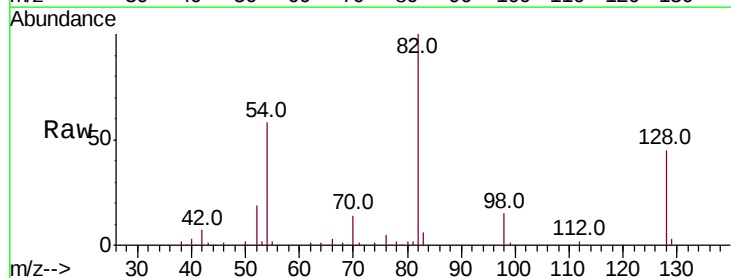


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

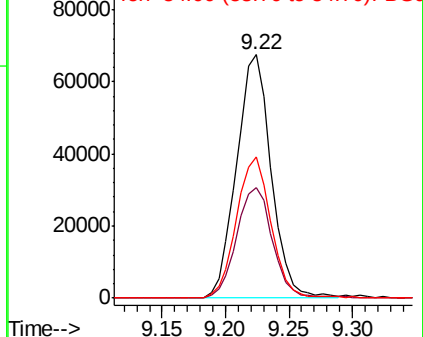
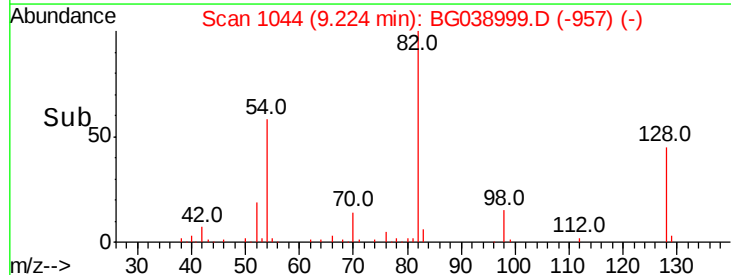


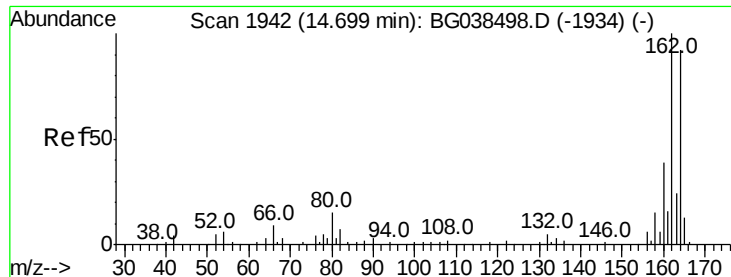
#23
Nitrobenzene-d5
Concen: 74.622 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038999.D
Acq: 8 Jan 2019 18:33

Tgt Ion: 82	Resp:	127797
Ion Ratio	Lower	Upper
82	100	
128	45.3	34.6 52.0
54	58.1	50.6 76.0



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG

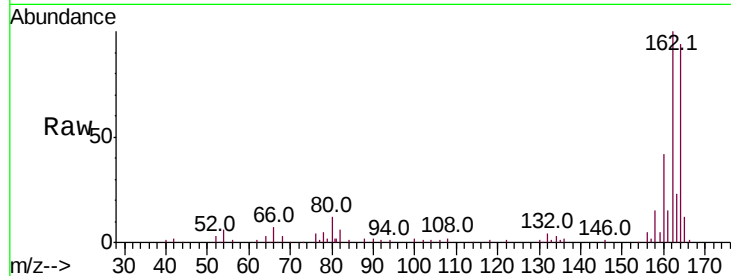




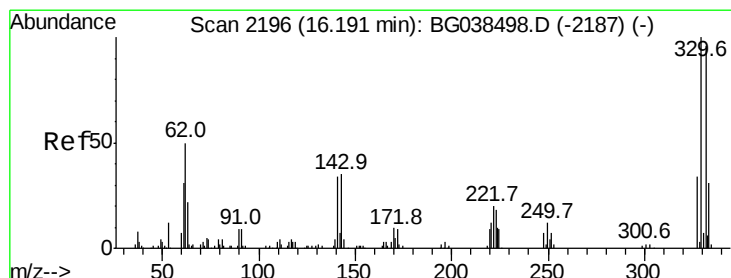
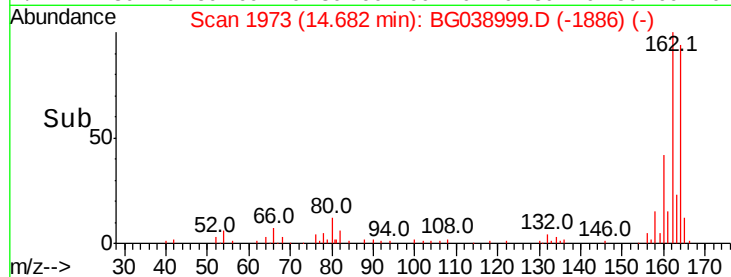
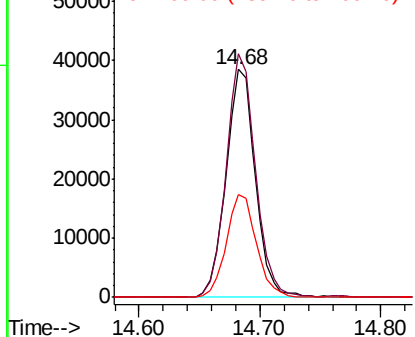
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.02 min
Lab File: BG038999.D
Acq: 8 Jan 2019 18:33

Instrument :
BNA_G
ClientSampled :

Tot Ion:164 Resp: 64753
Ion Ratio Lower Upper
164 100
162 106.9 86.6 130.0
160 44.9 34.2 51.2

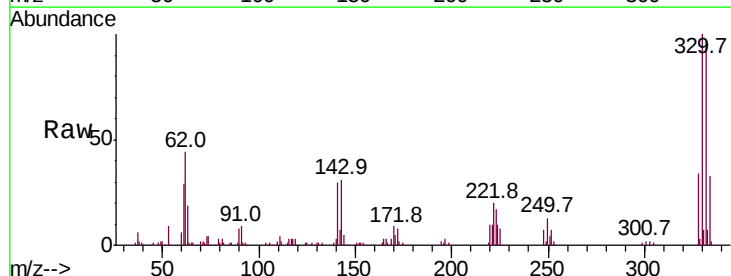


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

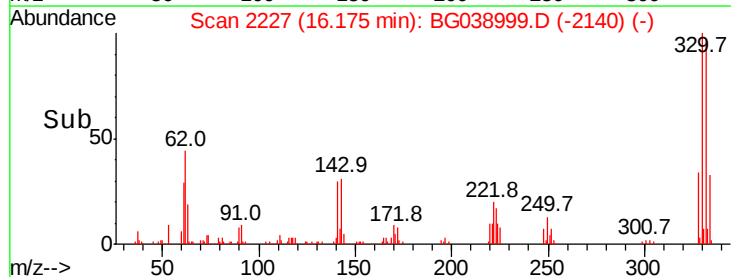
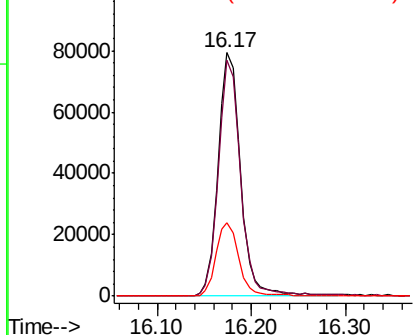


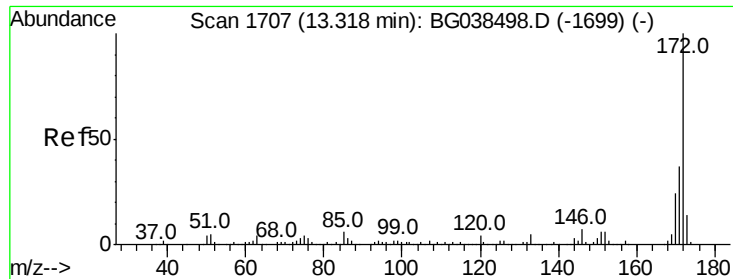
#42
2,4,6-Tribromophenol
Concen: 149.414 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BG038999.D
Acq: 8 Jan 2019 18:33

Tgt Ion:330 Resp: 133339
Ion Ratio Lower Upper
330 100
332 96.6 76.9 115.3
141 30.8 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

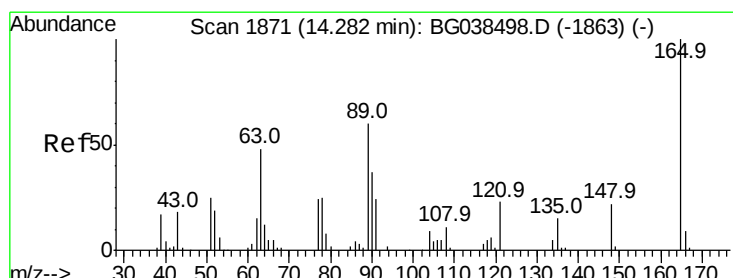
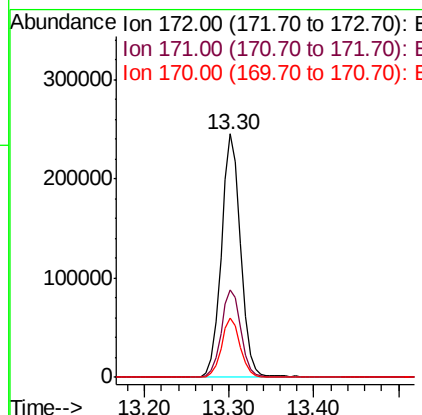
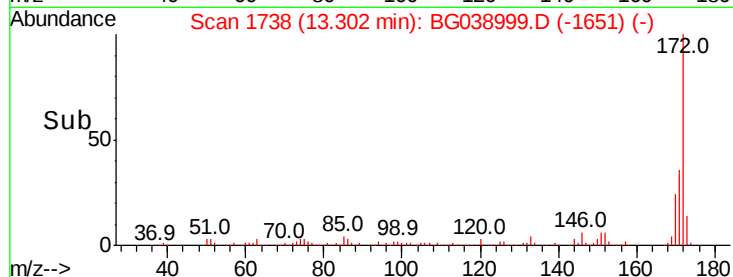
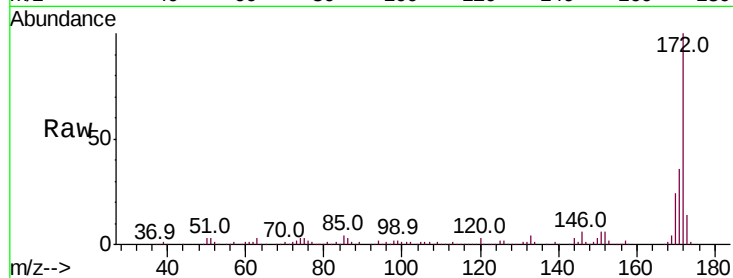




#45
 2-Fluorobiphenyl
 Concen: 82.371 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG038999.D
 Acq: 8 Jan 2019 18:33

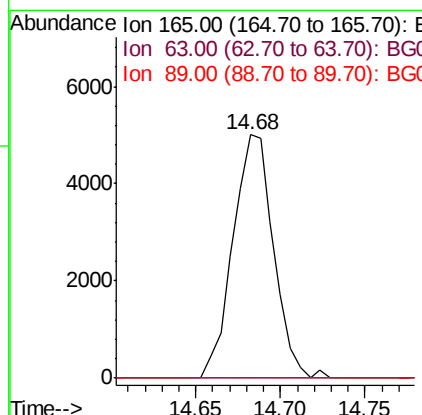
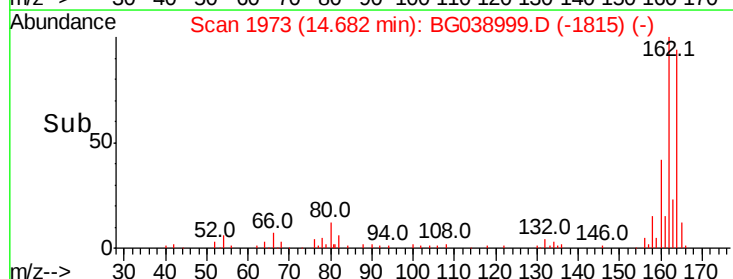
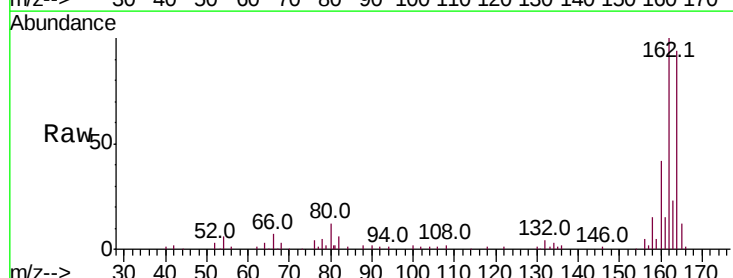
Instrument :
 BNA_G
 ClientSampleId :

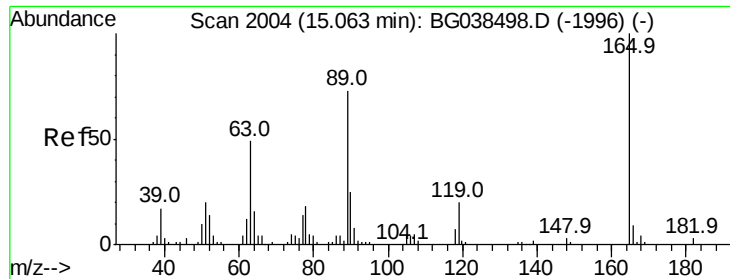
Tot Ion:172 Resp: 388803
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.8 44.6
 170 24.1 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 6.980 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.40 min
 Lab File: BG038999.D
 Acq: 8 Jan 2019 18:33

Tgt Ion:165 Resp: 8364
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

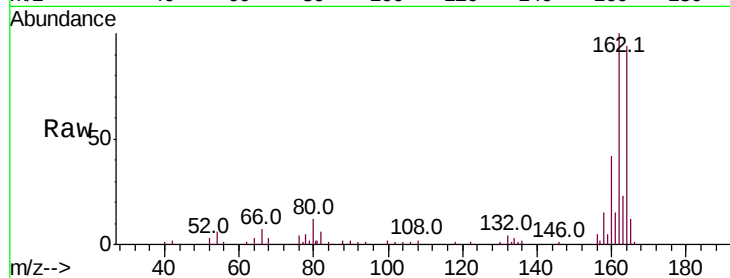




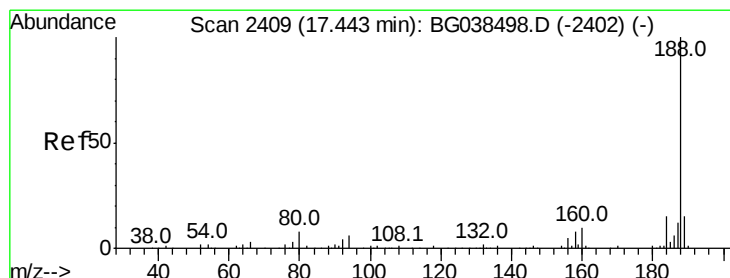
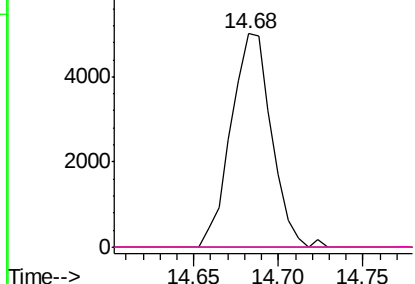
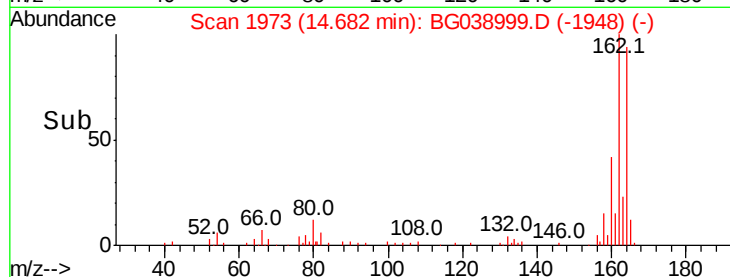
#57
 2,4-Dinitrotoluene
 Concen: 4.956 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.38 min
 Lab File: BG038999.D
 Acq: 8 Jan 2019 18:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 8364
 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#

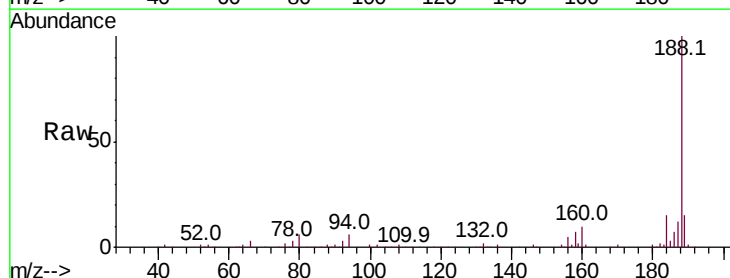


Abundance Ion 165.00 (164.70 to 165.70): E
 8000 Ion 63.00 (62.70 to 63.70): BGC
 6000 Ion 89.00 (88.70 to 89.70): BGC
 4000 Ion 182.00 (181.70 to 182.70): E

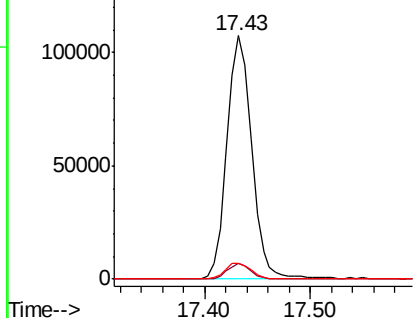
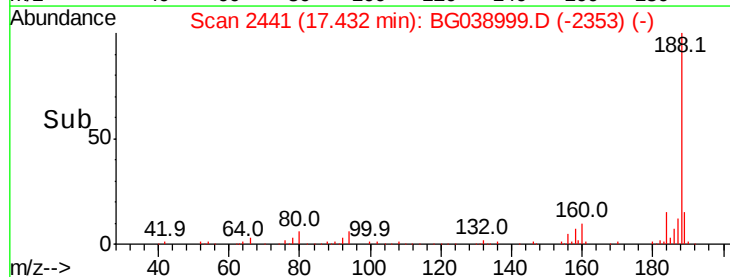


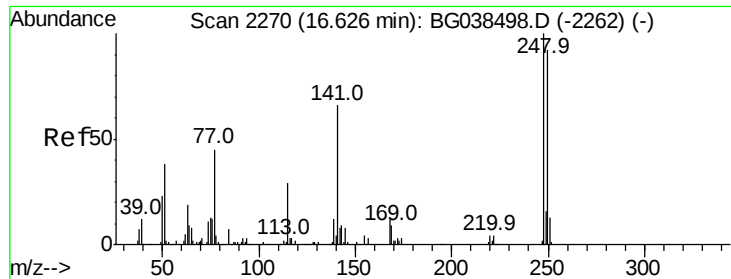
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG038999.D
 Acq: 8 Jan 2019 18:33

Tgt Ion:188 Resp: 175038
 Ion Ratio Lower Upper
 188 100
 94 6.4 5.1 7.7
 80 6.4 6.1 9.1



Abundance Ion 188.00 (187.70 to 188.70): E
 15000 Ion 94.00 (93.70 to 94.70): BGC
 10000 Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 3.961 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.45 min

Lab File: BG038999.D

Acq: 8 Jan 2019 18:33

Instrument :

BNA_G

ClientSampleId :

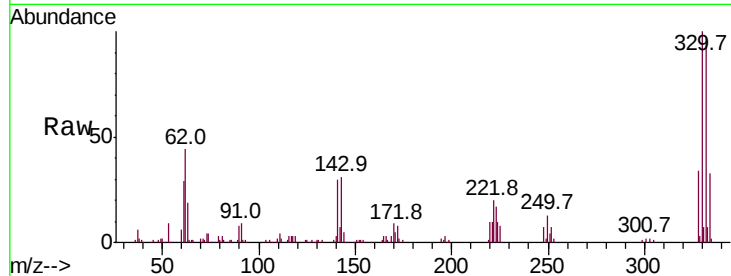
Tot Ion:248 Resp: 8467

Ion Ratio Lower Upper

248 100

250 188.4 73.4 110.2#

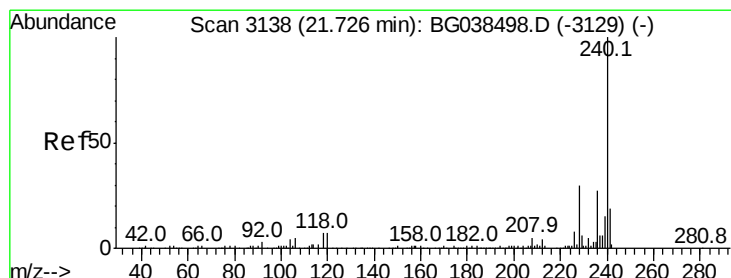
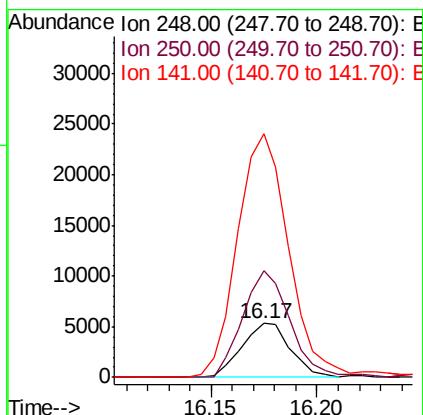
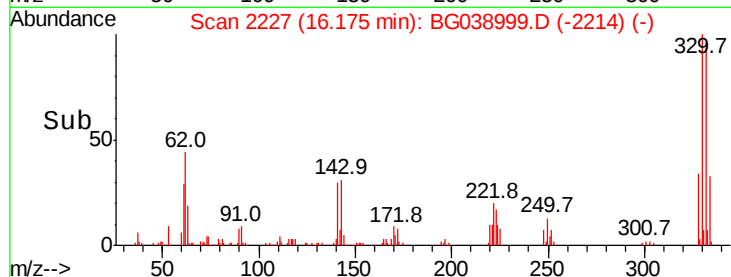
141 335.4 52.9 79.3#



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: BG038999.D

Acq: 8 Jan 2019 18:33

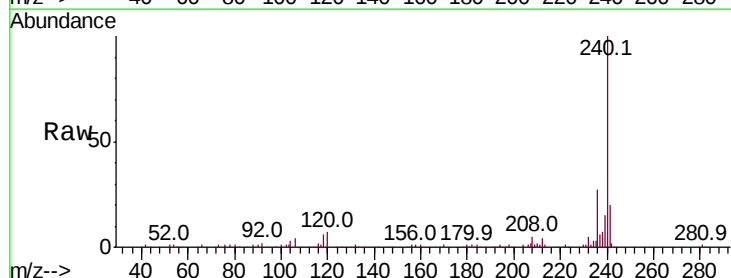
Tgt Ion:240 Resp: 189749

Ion Ratio Lower Upper

240 100

120 6.6 5.3 7.9

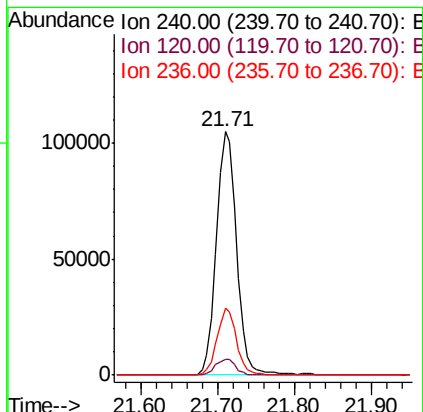
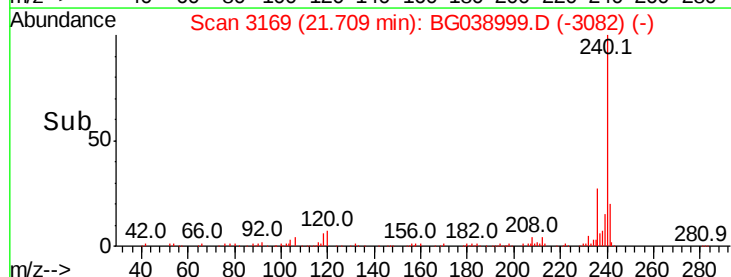
236 27.3 21.4 32.2

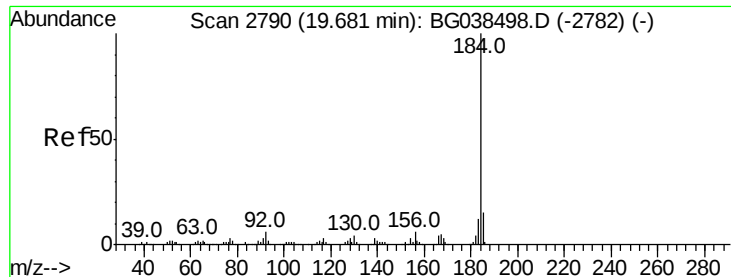


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.209 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.35 min

Lab File: BG038999.D

Acq: 8 Jan 2019 18:33

Instrument :

BNA_G

ClientSampleId :

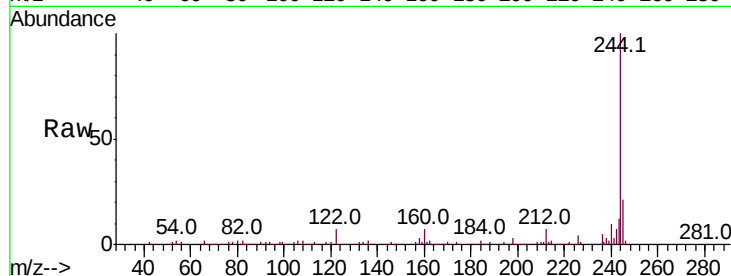
Tot Ion:184 Resp: 12398

Ion Ratio Lower Upper

184 100

185 19.0 12.2 18.2#

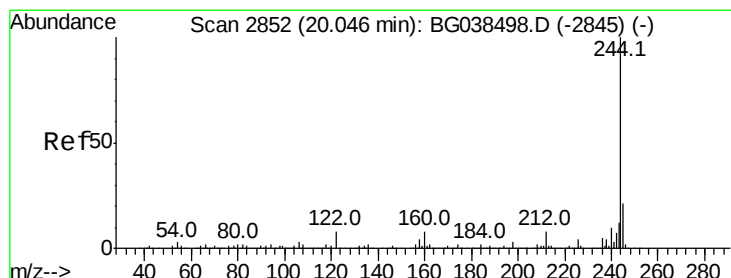
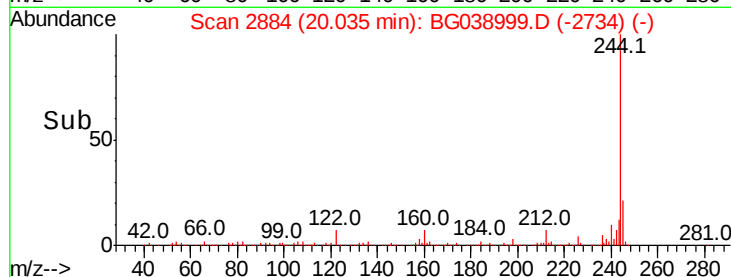
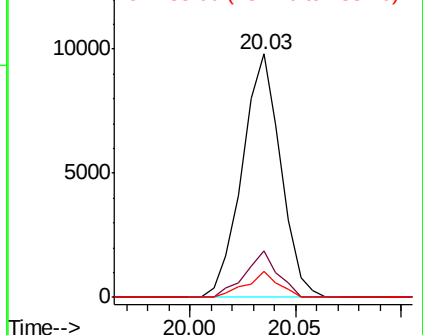
183 10.4 9.6 14.4



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: 93.042 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038999.D

Acq: 8 Jan 2019 18:33

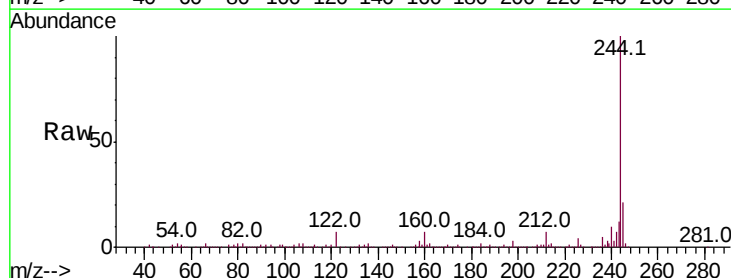
Tgt Ion:244 Resp: 811206

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

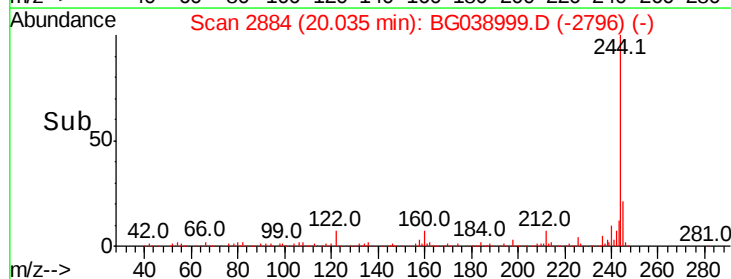
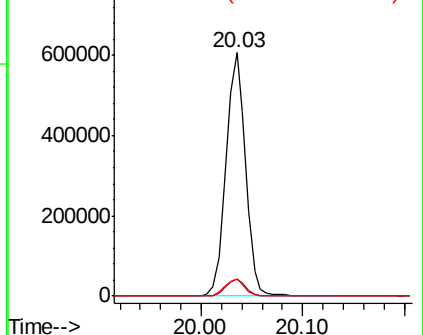
122 6.8 6.3 9.5

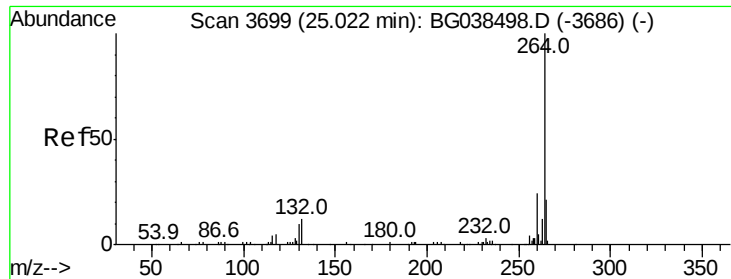


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

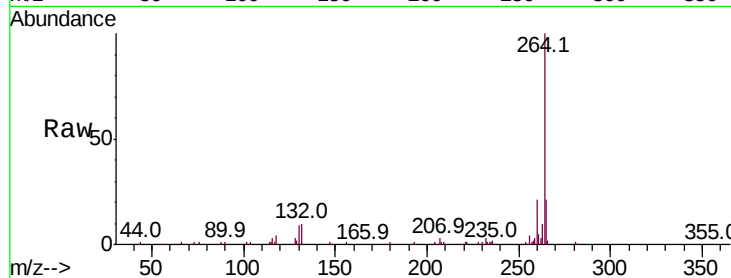




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.00 min Scan# 3729
Delta R.T. -0.02 min
Lab File: BG038999.D
Acq: 8 Jan 2019 18:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.0	18.9	28.3
265	21.3	17.0	25.4



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

