

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\
 Data File : BG038959.D
 Acq On : 5 Jan 2019 11:31
 Operator : JU/SJ
 Sample : K1036-14
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 06 22:44:33 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

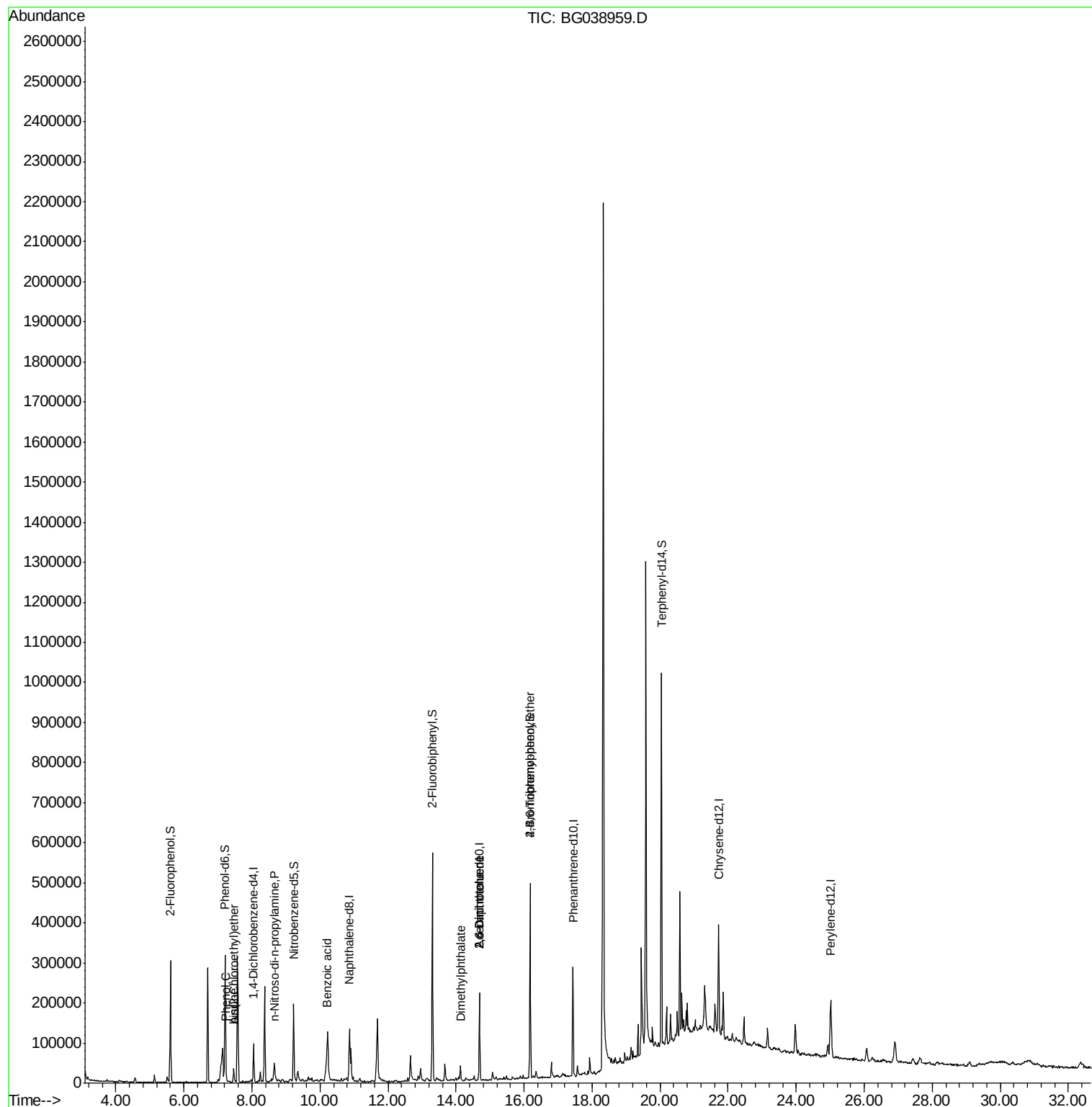
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	28268	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	119727	20.00	ng	-0.01
39) Acenaphthene-d10	14.69	164	77474	20.00	ng	-0.01
64) Phenanthrene-d10	17.44	188	173686	20.00	ng	0.00
76) Chrysene-d12	21.72	240	166078	20.00	ng	0.00
87) Perylene-d12	25.02	264	180472	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	132686	83.25	ng	0.00
7) Phenol-d6	7.21	99	186084	85.05	ng	0.00
23) Nitrobenzene-d5	9.23	82	113417	48.39	ng	-0.01
42) 2,4,6-Tribromophenol	16.18	330	101026	94.62	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	312741	55.38	ng	-0.01
79) Terphenyl-d14	20.04	244	482544	63.23	ng	0.00
Target Compounds						
6) Aniline	7.47	93	13195	4.724	ng	# 51
10) Phenol	7.24	94	4899	2.108	ng	# 95
11) bis(2-Chloroethyl)ether	7.47	93	13195	7.130	ng	# 18
19) n-Nitroso-di-n-propylamine	8.65	70	3584	2.332	ng	# 56
32) Benzoic acid	10.19	122	344	10.410	ng	# 90
50) Dimethylphthalate	14.13	163	23471	3.710	ng	# 97
51) 2,6-Dinitrotoluene	14.69	165	10456	7.293	ng	# 21
57) 2,4-Dinitrotoluene	14.69	165	10456	5.178	ng	# 23
67) 4-Bromophenyl-phenylether	16.18	248	6798	3.205	ng	# 1

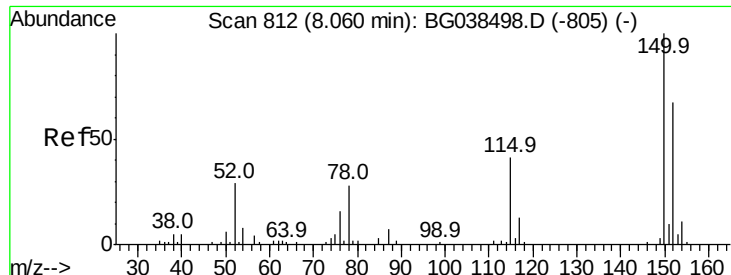
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
ClientSampleId :

Quant Time: Jan 06 22:44:33 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



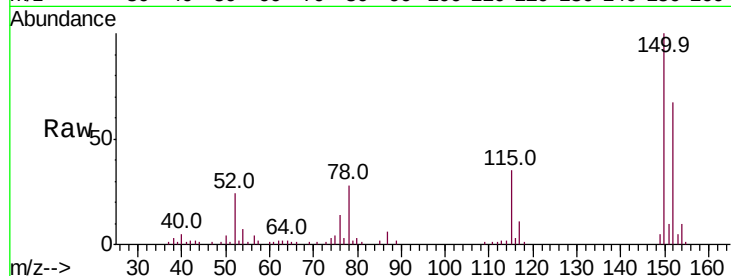


#1

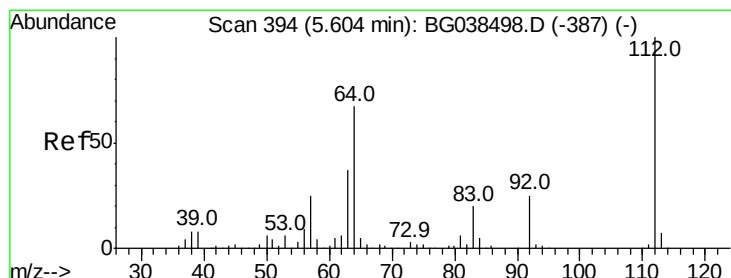
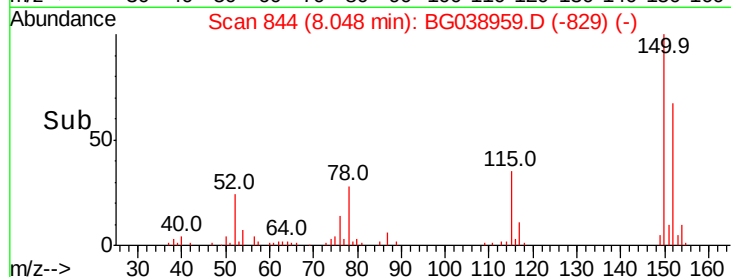
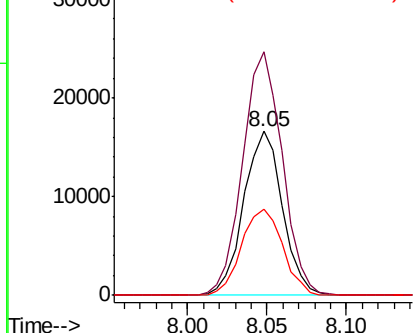
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038959.D
Acq: 5 Jan 2019 11:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 28268
Ion Ratio Lower Upper
152 100
150 148.6 119.5 179.3
115 52.6 49.6 74.4



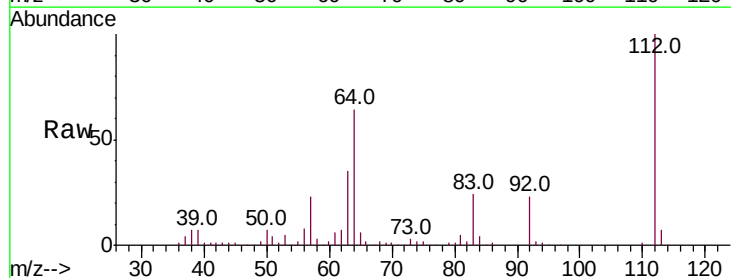
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



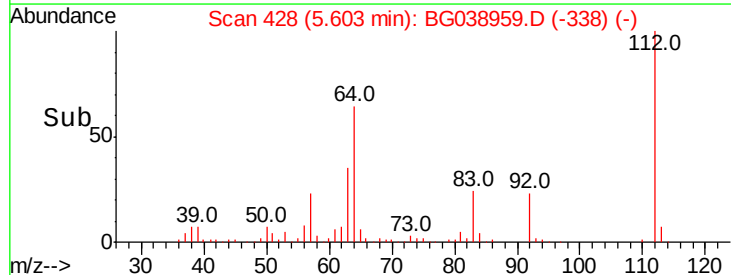
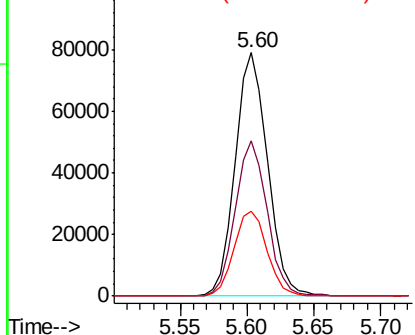
#5

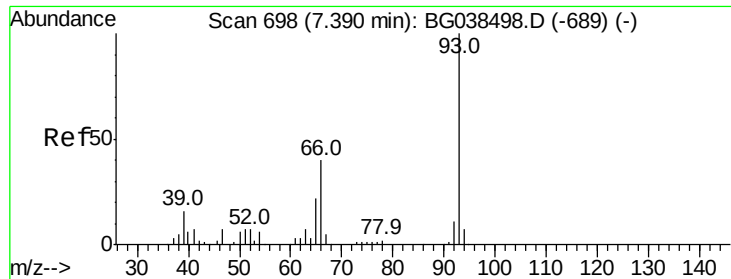
2-Fluorophenol
Concen: 83.253 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038959.D
Acq: 5 Jan 2019 11:31

Tgt Ion:112 Resp: 132686
Ion Ratio Lower Upper
112 100
64 63.5 53.4 80.2
63 34.7 29.3 43.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#6

Aniline

Concen: 4.724 ng

RT: 7.47 min Scan# 745

Delta R.T. 0.08 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

Instrument :

BNA_G

ClientSampled :

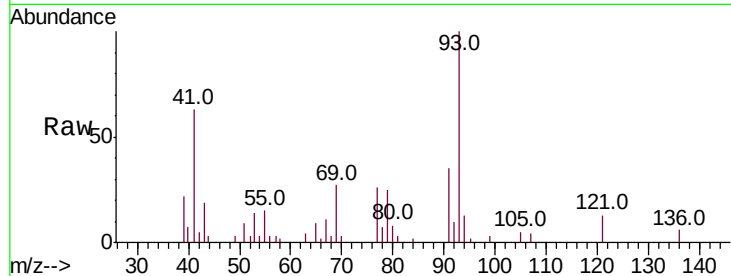
Tot Ion: 93 Resp: 13195

Ion Ratio Lower Upper

93 100

66 2.3 31.7 47.5#

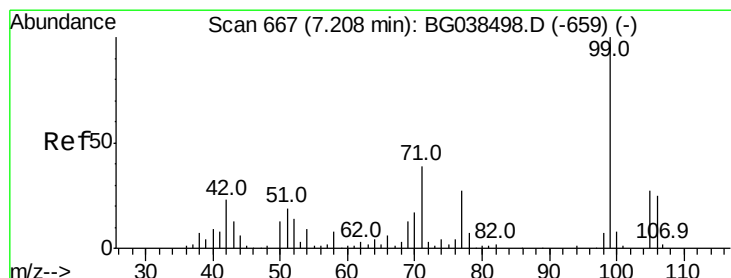
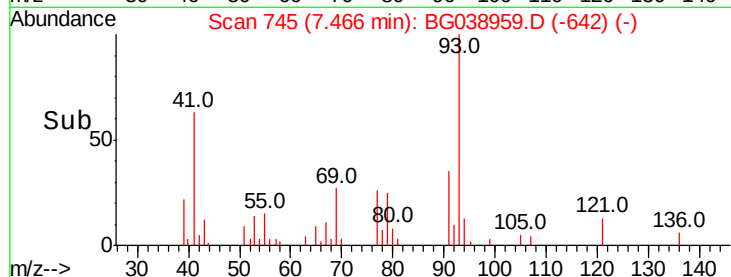
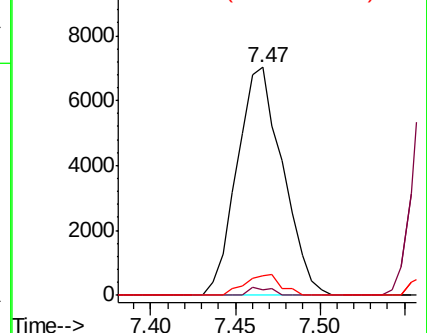
65 8.8 17.8 26.6#



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 85.050 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

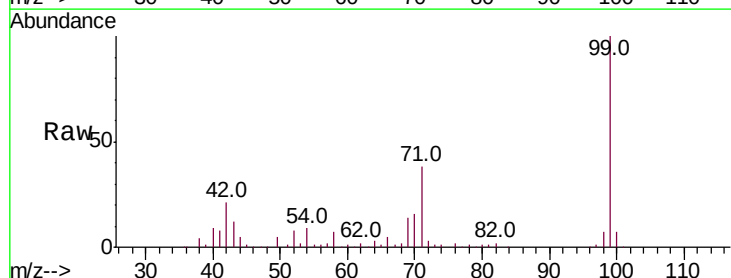
Tgt Ion: 99 Resp: 186084

Ion Ratio Lower Upper

99 100

42 21.3 18.5 27.7

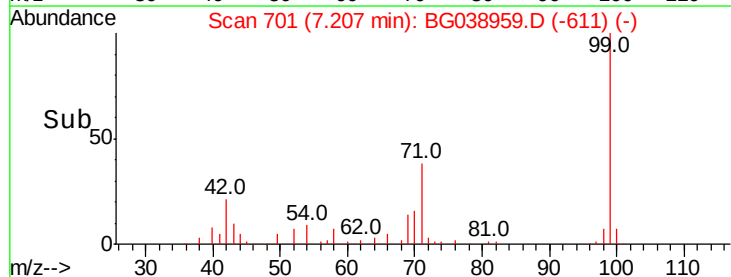
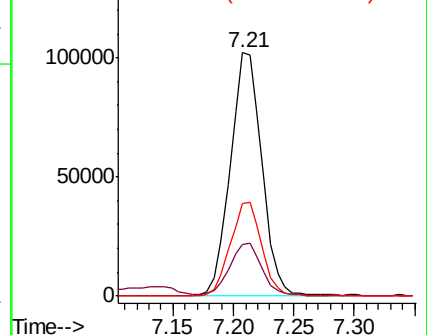
71 37.9 31.1 46.7

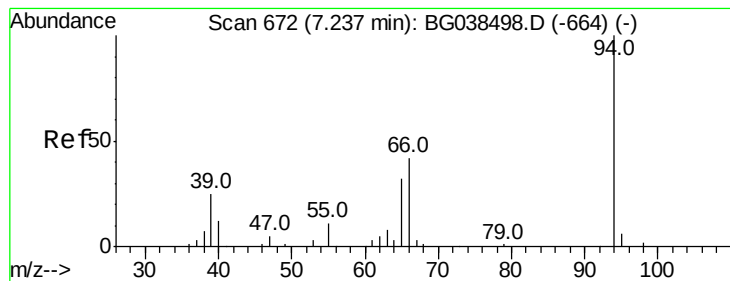


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.108 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

Instrument :

BNA_G

ClientSampled :

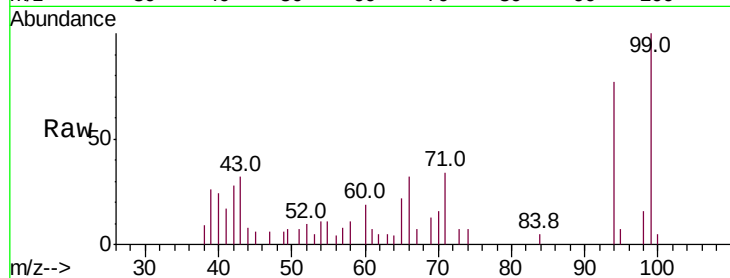
Tot Ion: 94 Resp: 4899

Ion Ratio Lower Upper

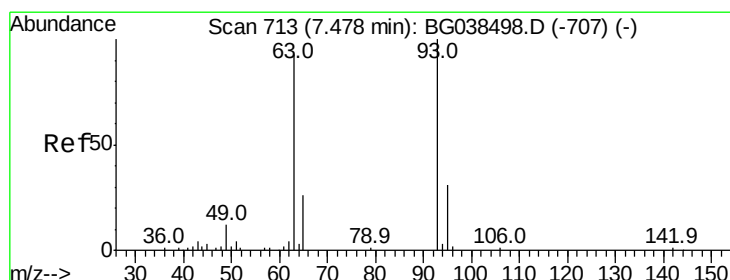
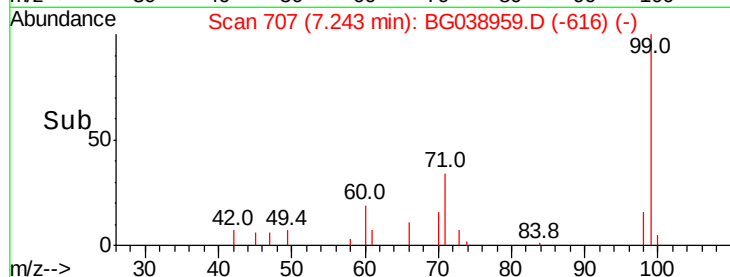
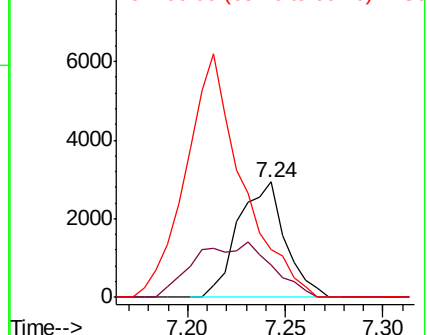
94 100

65 28.3 12.6 52.6

66 41.6 24.1 64.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#11

bis(2-Chloroethyl)ether

Concen: 7.130 ng

RT: 7.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

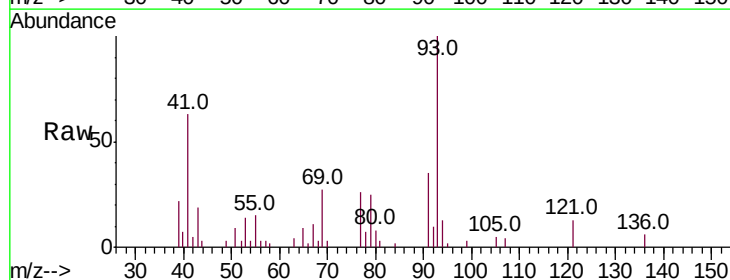
Tgt Ion: 93 Resp: 13195

Ion Ratio Lower Upper

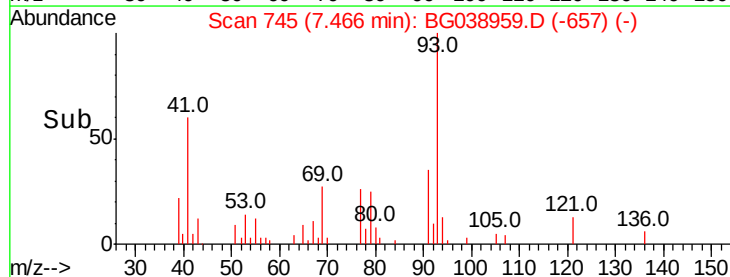
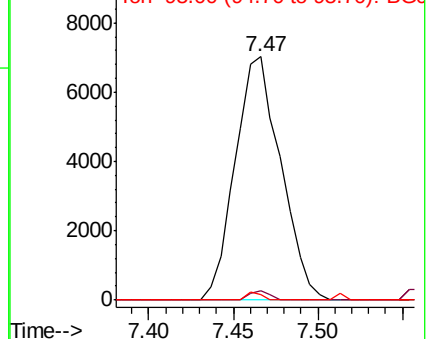
93 100

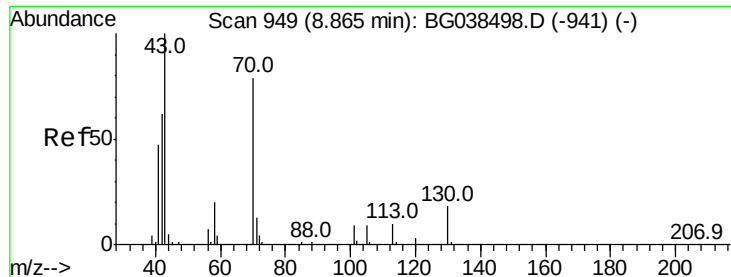
63 3.8 72.2 112.2#

95 2.4 11.2 51.2#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

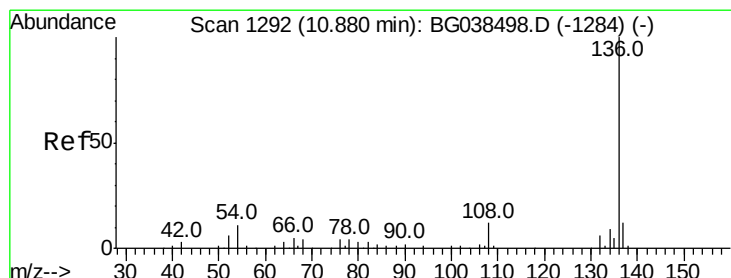
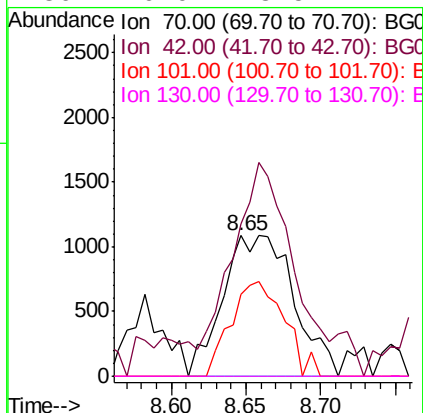
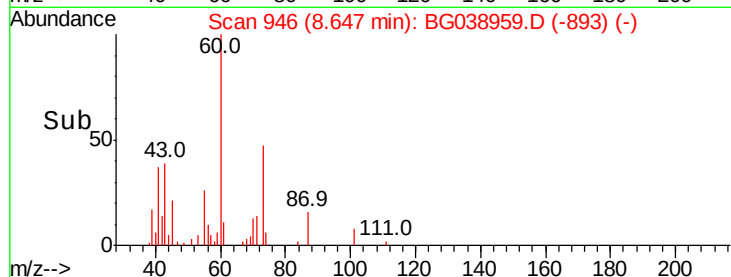
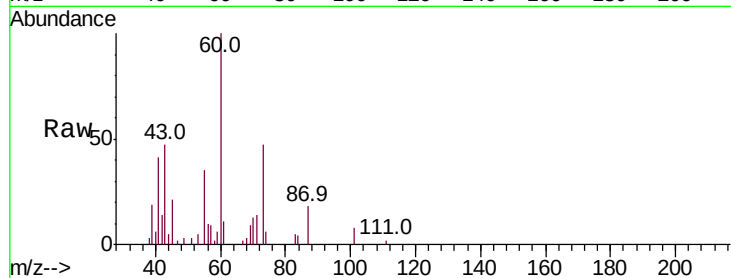




#19
n-Nitroso-di-n-propylamine
Concen: 2.332 ng
RT: 8.65 min Scan# 946
Delta R.T. -0.22 min
Lab File: BG038959.D
Acq: 5 Jan 2019 11:31

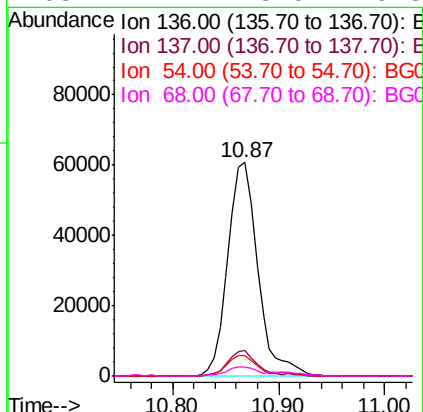
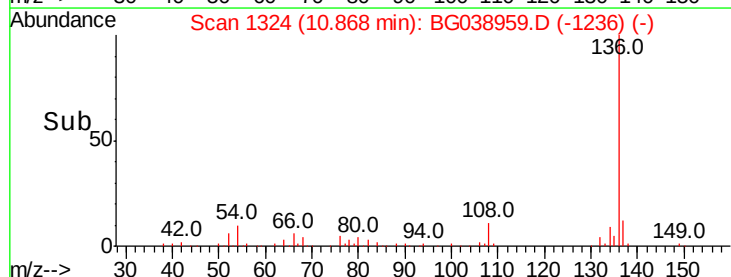
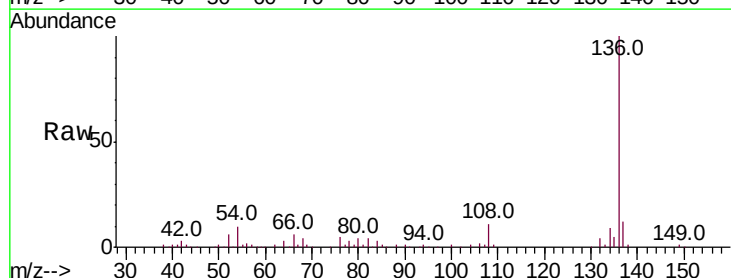
Instrument :
BNA_G
ClientSampled :

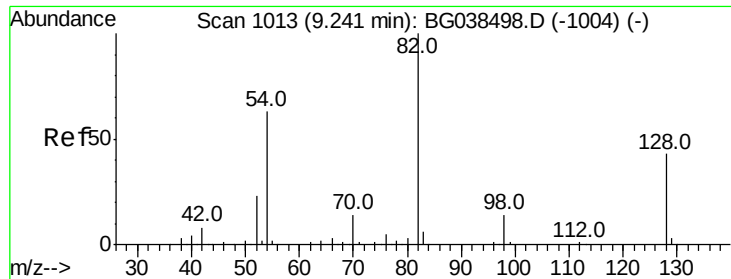
Tot Ion: 70 Resp: 3584
Ion Ratio Lower Upper
70 100
42 107.8 63.6 95.4#
101 58.2 9.2 13.8#
130 0.0 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG038959.D
Acq: 5 Jan 2019 11:31

Tgt Ion: 136 Resp: 119727
Ion Ratio Lower Upper
136 100
137 12.2 9.3 13.9
54 9.7 8.5 12.7
68 4.4 3.5 5.3

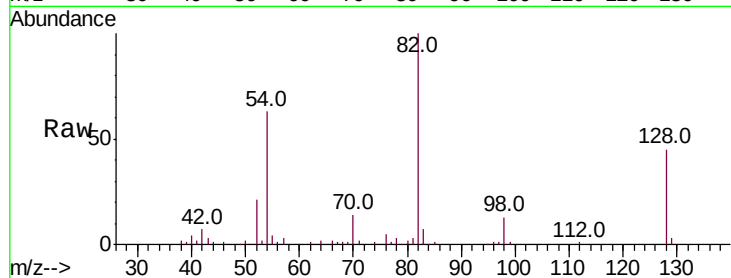




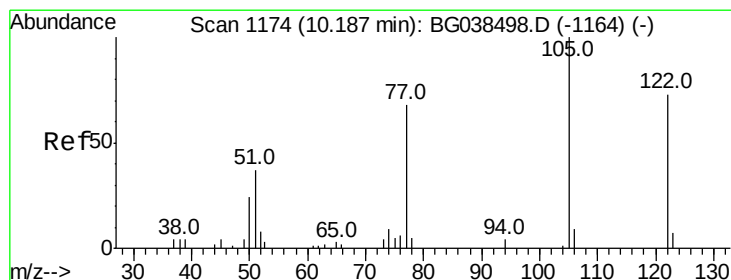
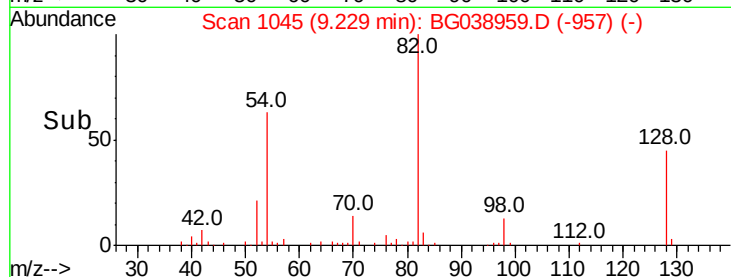
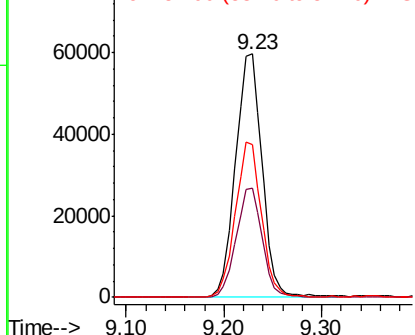
#23
 Nitrobenzene-d5
 Concen: 48.395 ng
 RT: 9.23 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: BG038959.D
 Acq: 5 Jan 2019 11:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 113417
 Ion Ratio Lower Upper
 82 100
 128 44.7 34.6 52.0
 54 62.5 50.6 76.0

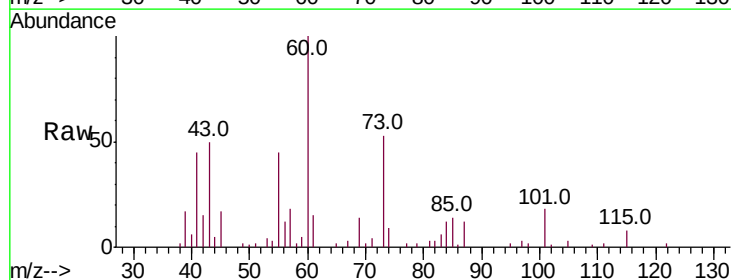


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

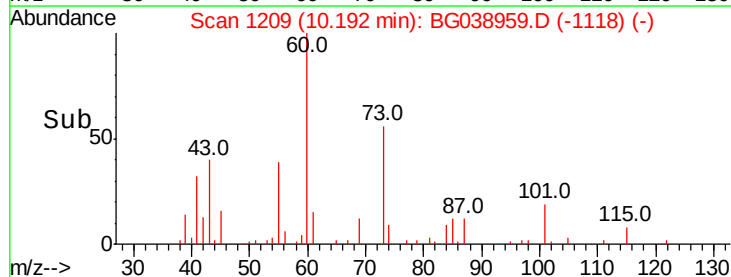
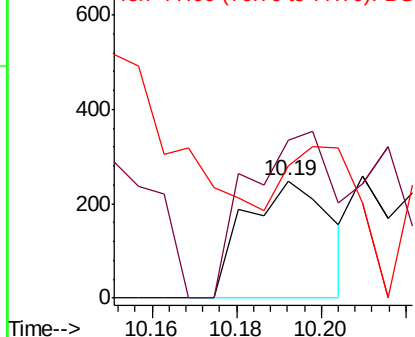


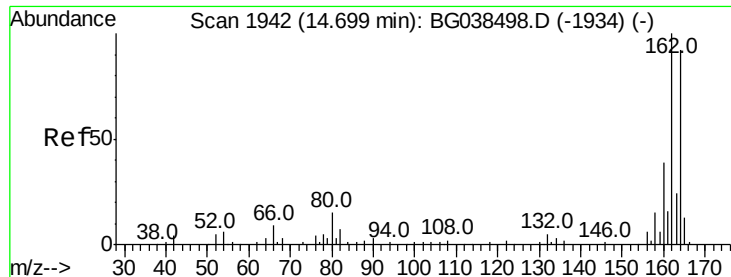
#32
 Benzoic acid
 Concen: 10.410 ng
 RT: 10.19 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: BG038959.D
 Acq: 5 Jan 2019 11:31

Tgt Ion: 122 Resp: 344
 Ion Ratio Lower Upper
 122 100
 105 134.7 116.7 156.7
 77 113.3 72.5 112.5#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC

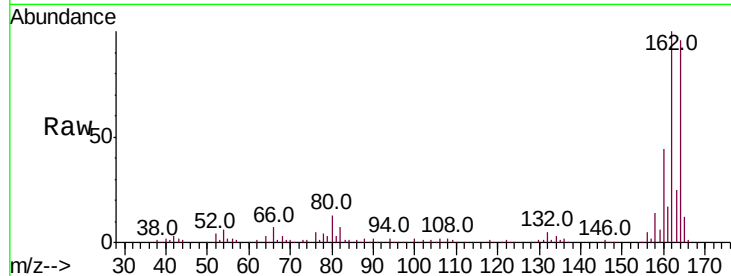




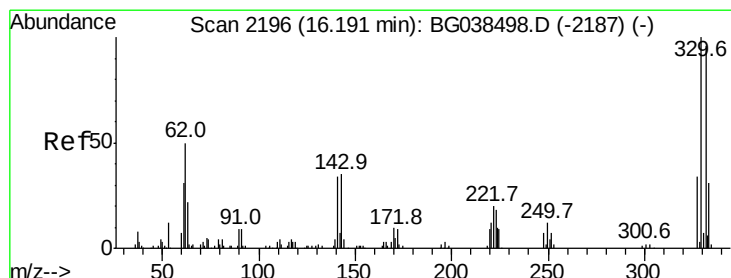
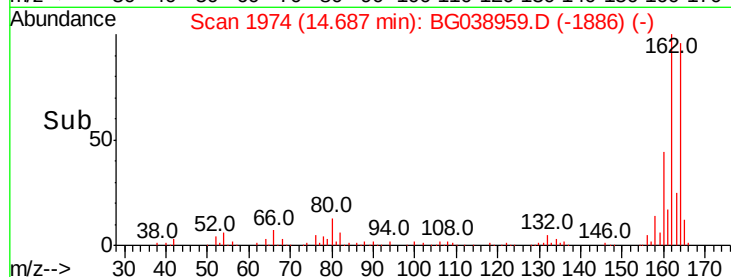
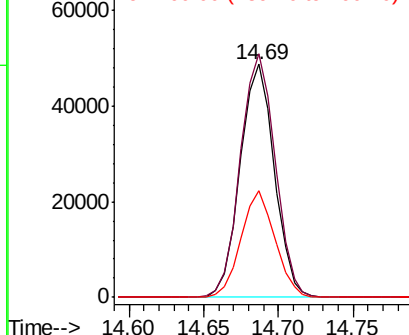
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: BG038959.D
 Acq: 5 Jan 2019 11:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 77474
 Ion Ratio Lower Upper
 164 100
 162 104.5 86.6 130.0
 160 45.7 34.2 51.2

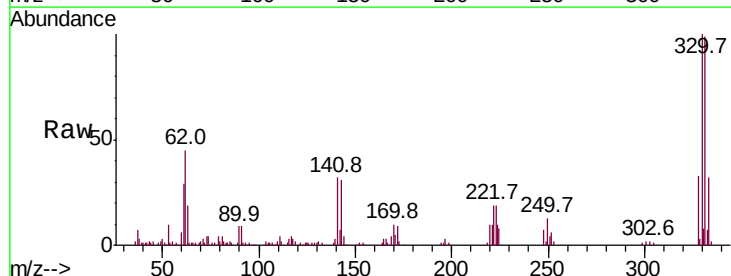


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

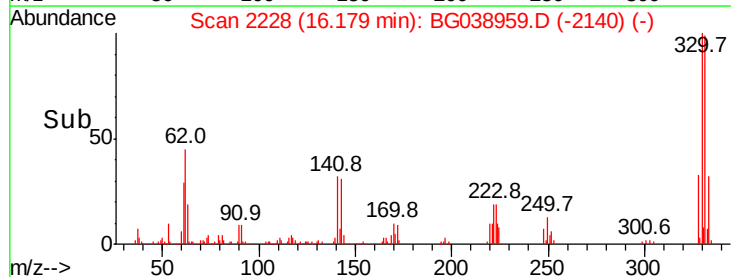
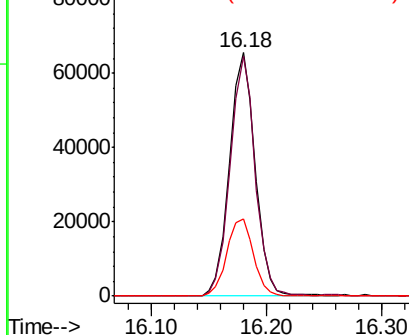


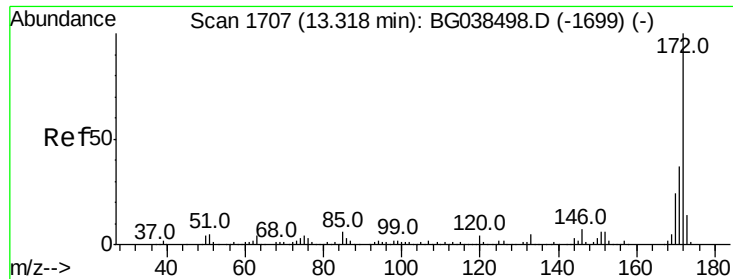
#42
 2,4,6-Tribromophenol
 Concen: 94.617 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BG038959.D
 Acq: 5 Jan 2019 11:31

Tgt Ion:330 Resp: 101026
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.9 115.3
 141 33.2 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

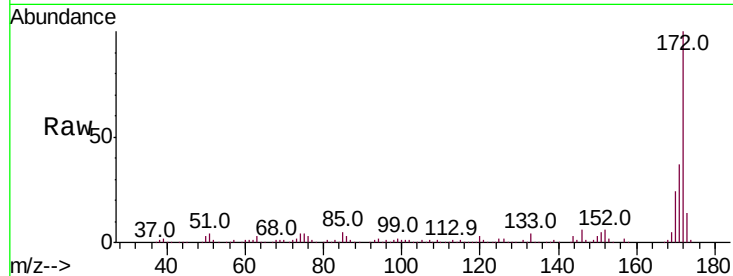




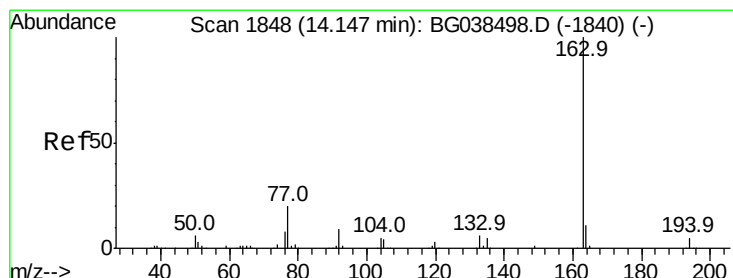
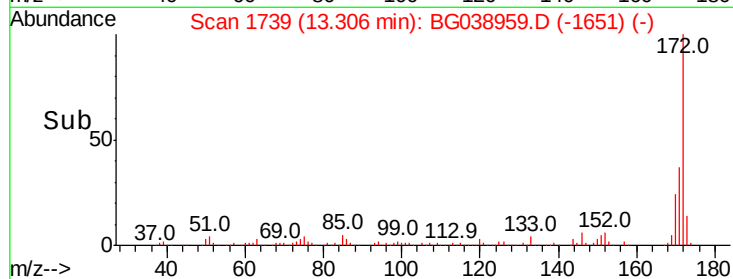
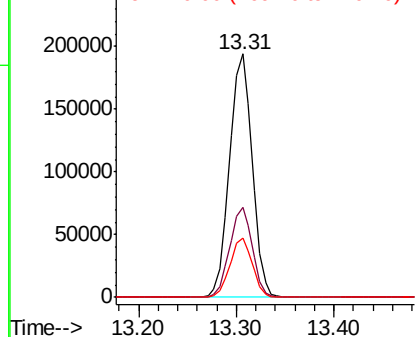
#45
 2-Fluorobiphenyl
 Concen: 55.378 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG038959.D
 Acq: 5 Jan 2019 11:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 312741
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.8 44.6
 170 24.4 19.5 29.3

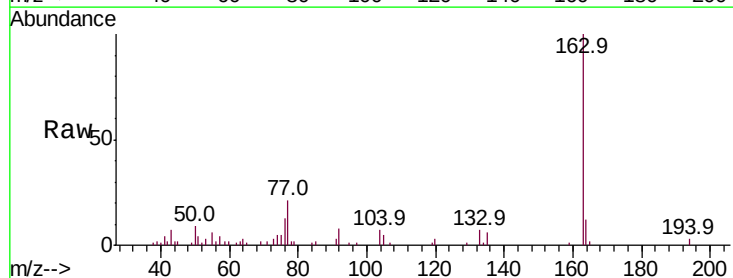


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

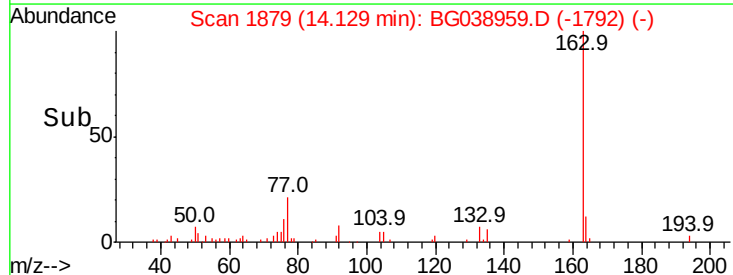
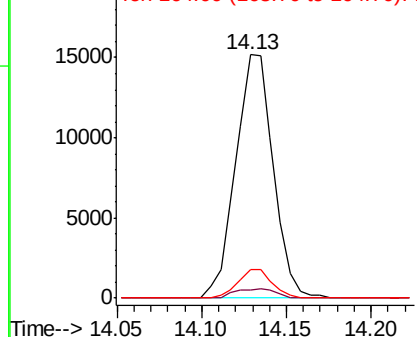


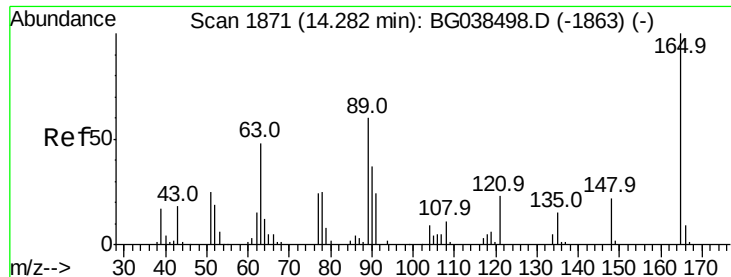
#50
 Dimethylphthalate
 Concen: 3.710 ng
 RT: 14.13 min Scan# 1879
 Delta R.T. -0.02 min
 Lab File: BG038959.D
 Acq: 5 Jan 2019 11:31

Tgt Ion:163 Resp: 23471
 Ion Ratio Lower Upper
 163 100
 194 3.4 3.7 5.5#
 164 11.7 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

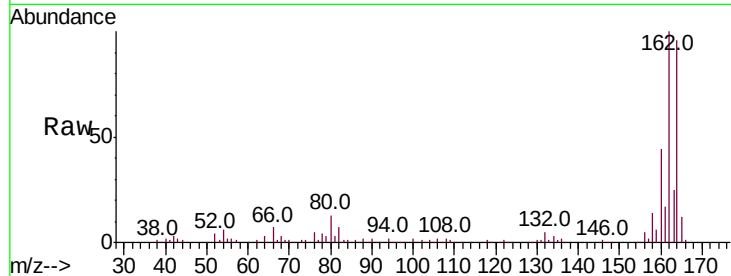




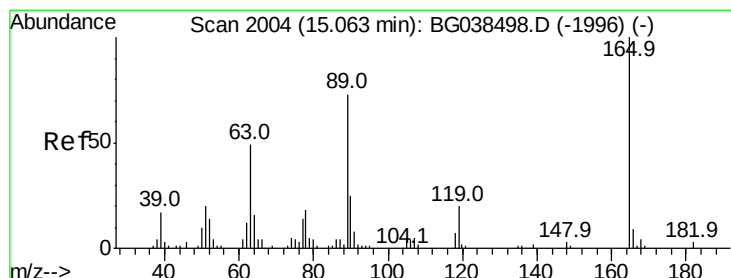
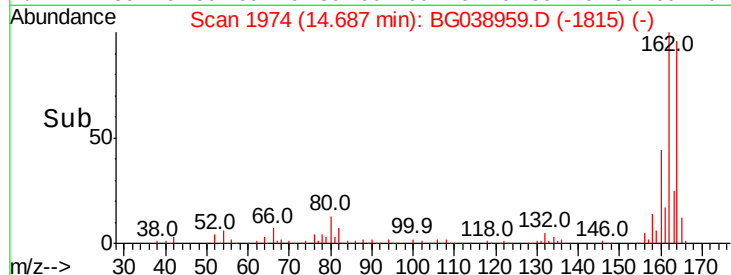
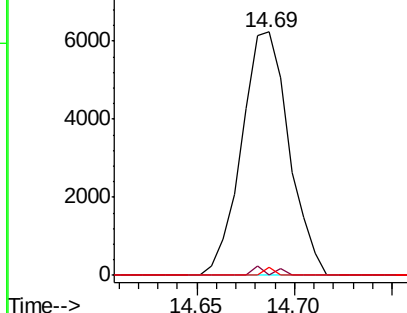
#51
 2,6-Dinitrotoluene
 Concen: 7.293 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.41 min
 Lab File: BG038959.D
 Acq: 5 Jan 2019 11:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	3.5	47.9	71.9#



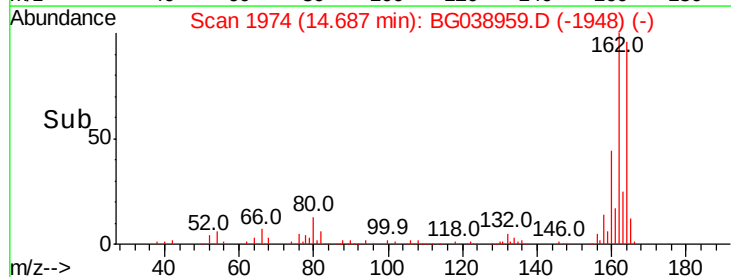
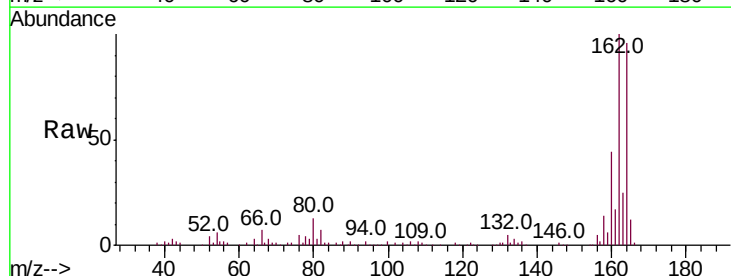
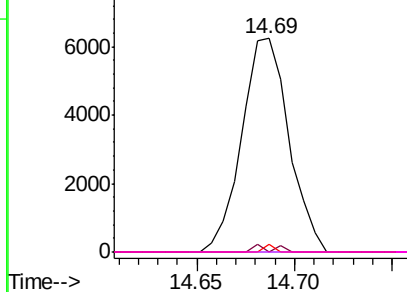
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

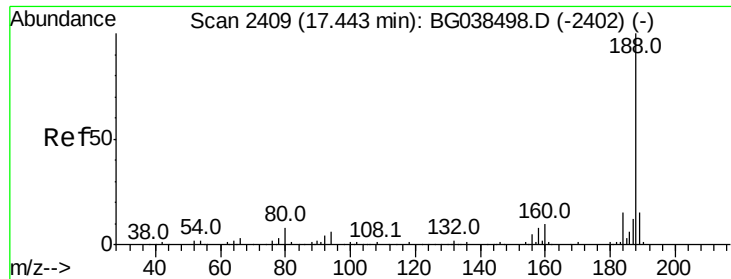


#57
 2,4-Dinitrotoluene
 Concen: 5.178 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG038959.D
 Acq: 5 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	3.5	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: 17.44 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

Instrument :

BNA_G

ClientSampled :

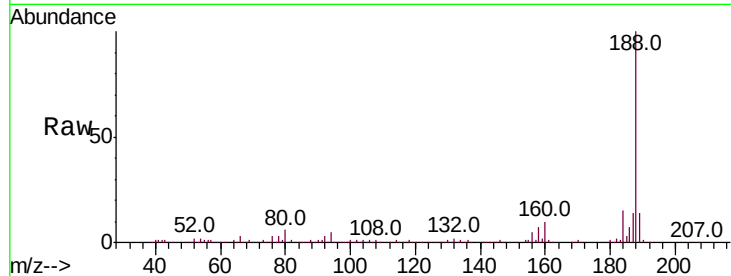
Tot Ion:188 Resp: 173686

Ion Ratio Lower Upper

188 100

94 5.3 5.1 7.7

80 6.4 6.1 9.1

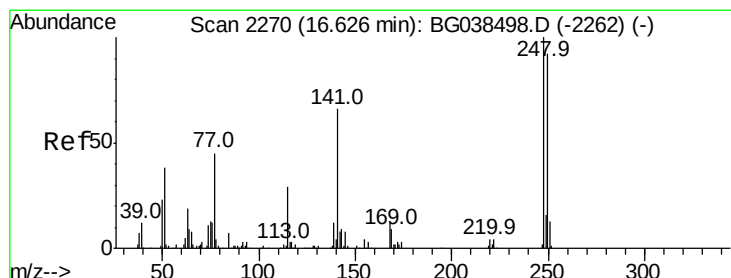
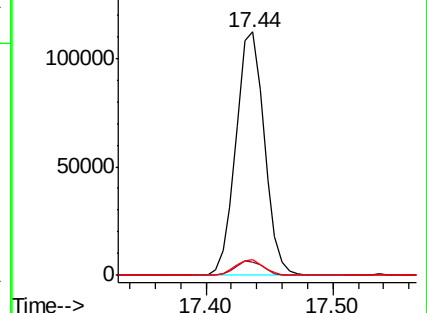
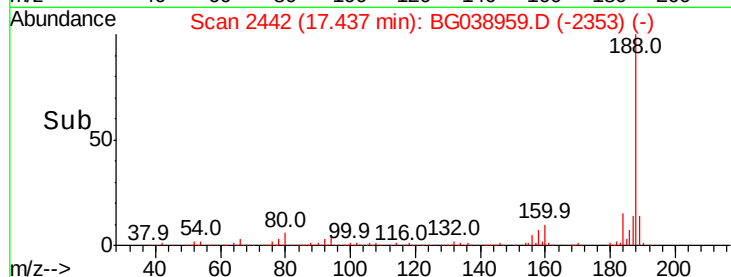


Abundance Ion 188.00 (187.70 to 188.70): E

150000

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67

4-Bromophenyl-phenylether

Concen: 3.205 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.45 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

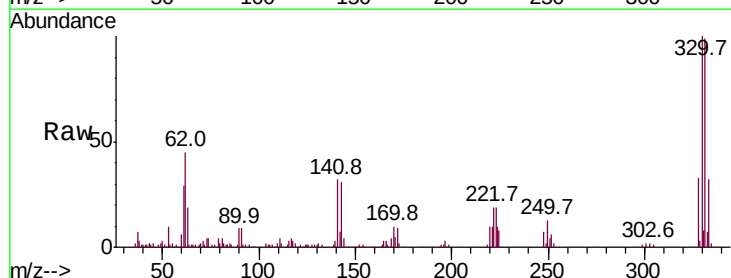
Tgt Ion:248 Resp: 6798

Ion Ratio Lower Upper

248 100

250 194.7 73.4 110.2#

141 362.5 52.9 79.3#

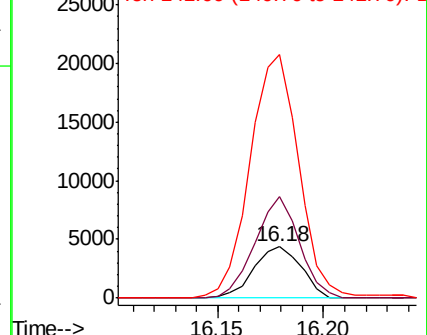
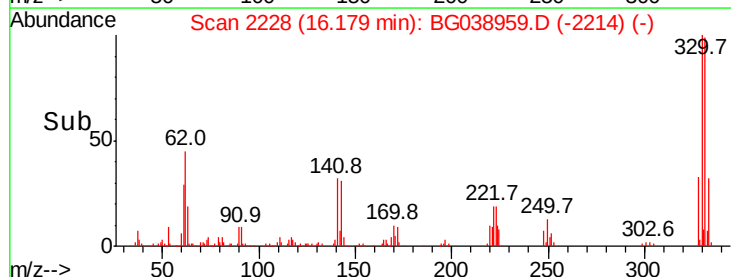


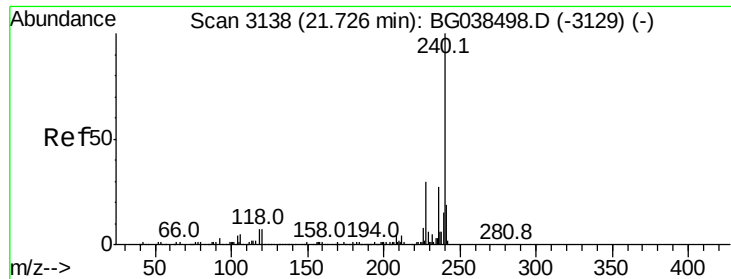
Abundance Ion 248.00 (247.70 to 248.70): E

25000

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: 21.72 min Scan# 3171

Delta R.T. -0.01 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

Instrument :

BNA_G

ClientSampled :

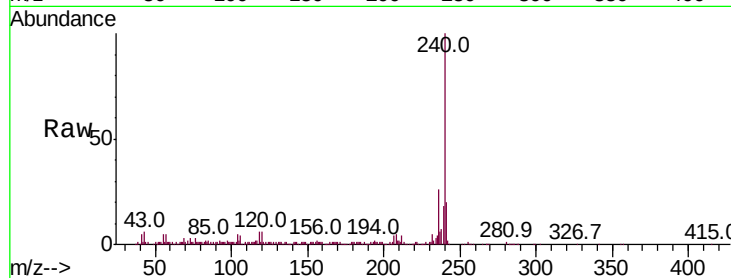
Tot Ion:240 Resp: 166078

Ion Ratio Lower Upper

240 100

120 5.8 5.3 7.9

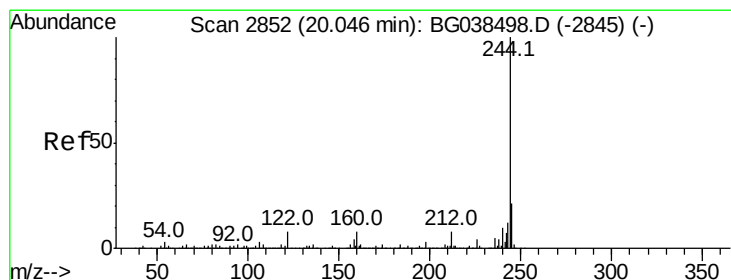
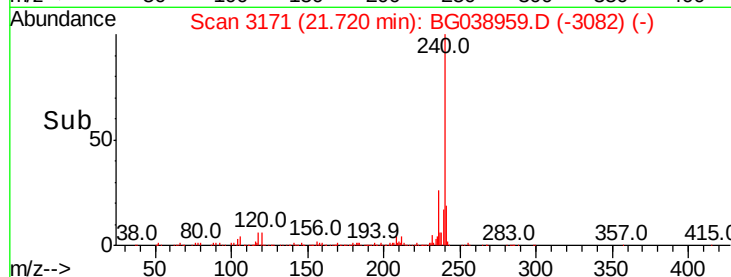
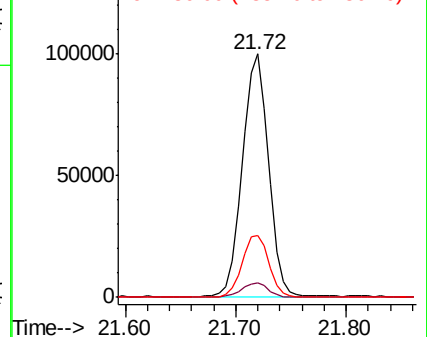
236 25.6 21.4 32.2



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



#79

Terphenyl-d14

Concen: 63.234 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

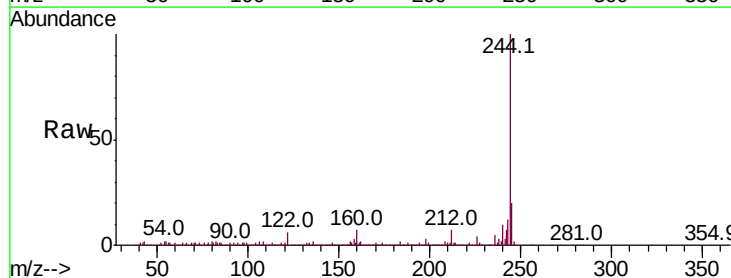
Tgt Ion:244 Resp: 482544

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

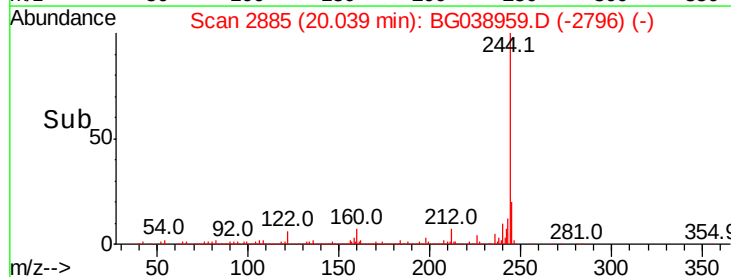
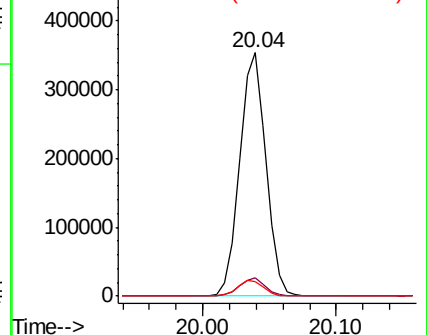
122 6.1 6.3 9.5#

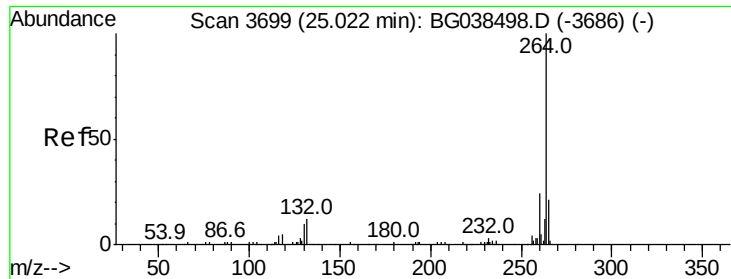


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.02 min Scan# 3732
Delta R.T. -0.01 min
Lab File: BG038959.D
Acq: 5 Jan 2019 11:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.5	18.9	28.3
265	21.2	17.0	25.4

