

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122818\
 Data File : BG038887.D
 Acq On : 28 Dec 2018 23:45
 Operator : JU/SJ
 Sample : J6584-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 29 01:06:12 2018
 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

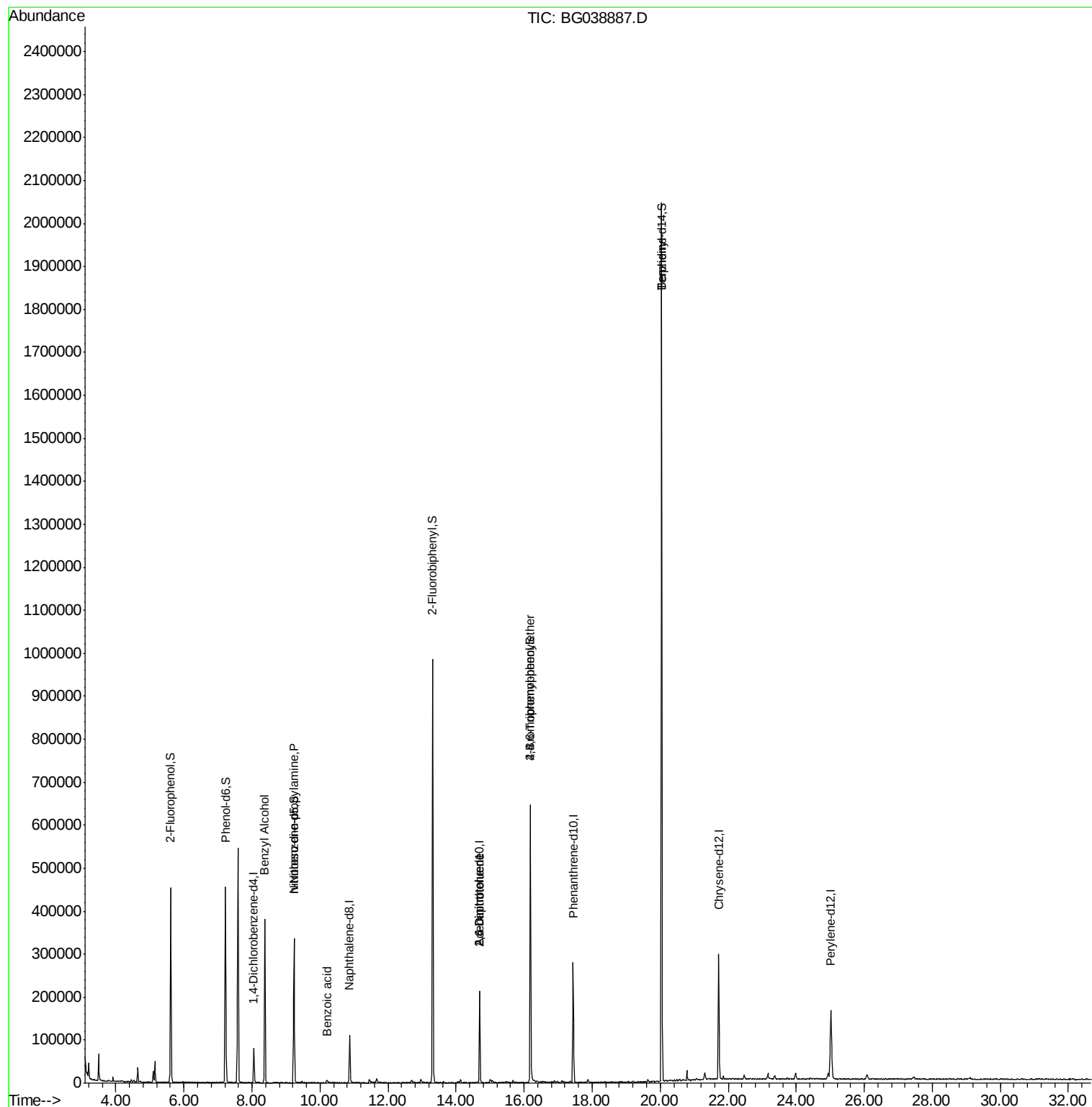
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	23940	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	102379	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	75315	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	184209	20.00	ng	0.00
76) Chrysene-d12	21.72	240	189546	20.00	ng	0.00
87) Perylene-d12	25.02	264	204920	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	204257	151.33	ng	0.01
7) Phenol-d6	7.22	99	261590	141.17	ng	0.01
23) Nitrobenzene-d5	9.23	82	199429	99.52	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	145027	139.72	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	552682	100.67	ng	0.00
79) Terphenyl-d14	20.04	244	1022479	117.40	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.38	79	2935	2.029	ng	# 45
19) n-Nitroso-di-n-propylamine	9.23	70	26112	20.064	ng	# 67
32) Benzoic acid	10.20	122	54	10.209	ng	# 1
51) 2,6-Dinitrotoluene	14.69	165	9782	7.018	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	9782	4.983	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	10175	4.523	ng	# 1
77) Benzidine	20.04	184	17325	3.091	ng	# 95

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

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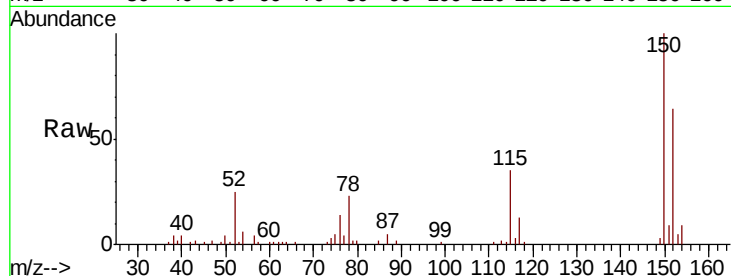


#1

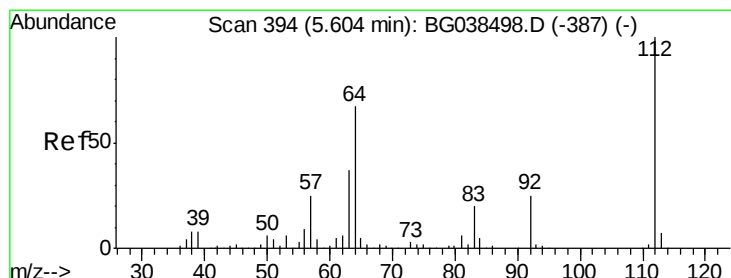
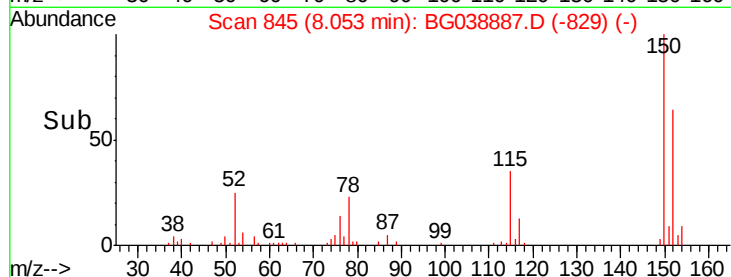
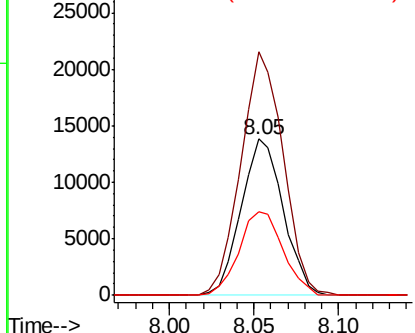
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038887.D
Acq: 28 Dec 2018 23:45

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 23940
Ion Ratio Lower Upper
152 100
150 155.7 119.5 179.3
115 53.8 49.6 74.4



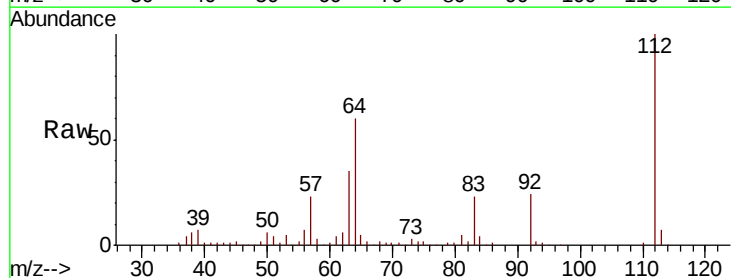
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



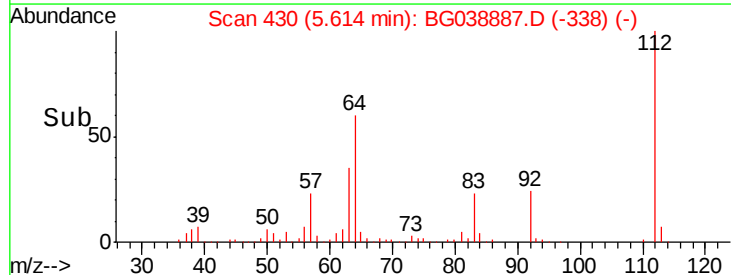
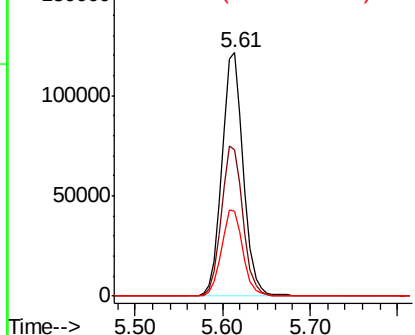
#5

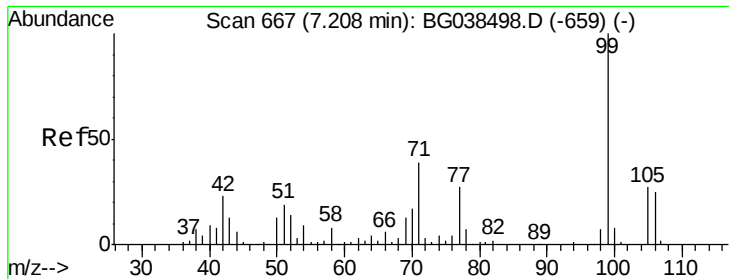
2-Fluorophenol
Concen: 151.329 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG038887.D
Acq: 28 Dec 2018 23:45

Tgt Ion:112 Resp: 204257
Ion Ratio Lower Upper
112 100
64 60.3 53.4 80.2
63 35.1 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





#7

Phenol-d6

Concen: 141.174 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038887.D

Acq: 28 Dec 2018 23:45

Instrument :

BNA_G

ClientSampleId :

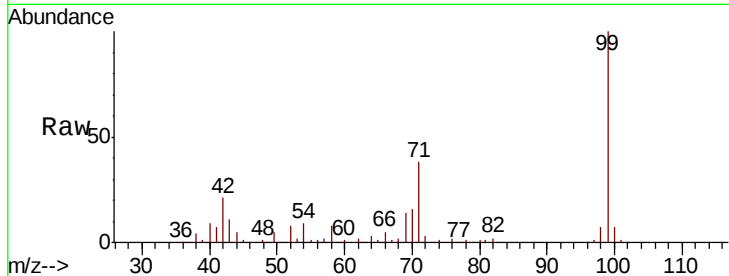
Tot Ion: 99 Resp: 261590

Ion Ratio Lower Upper

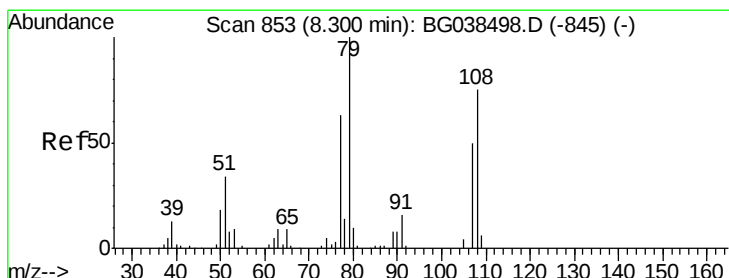
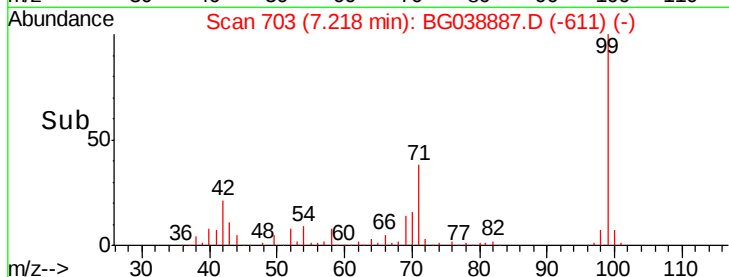
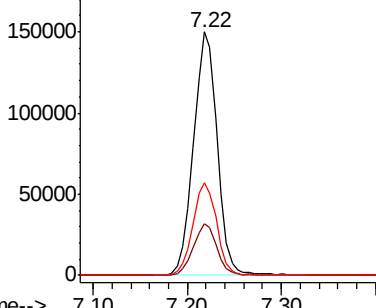
99 100

42 21.0 18.5 27.7

71 38.3 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



#15

Benzyl Alcohol

Concen: 2.029 ng

RT: 8.38 min Scan# 900

Delta R.T. 0.08 min

Lab File: BG038887.D

Acq: 28 Dec 2018 23:45

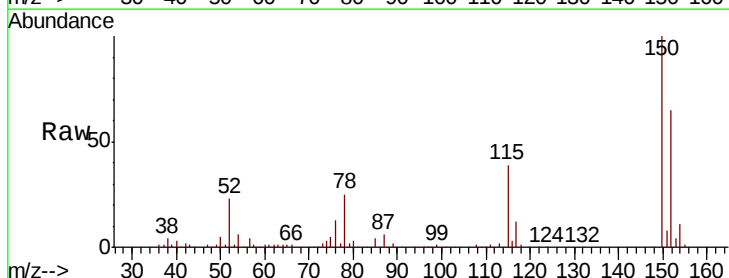
Tgt Ion: 79 Resp: 2935

Ion Ratio Lower Upper

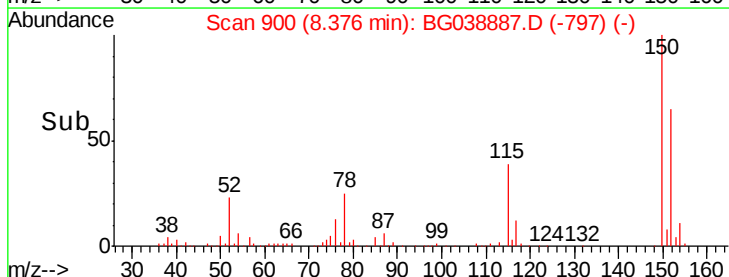
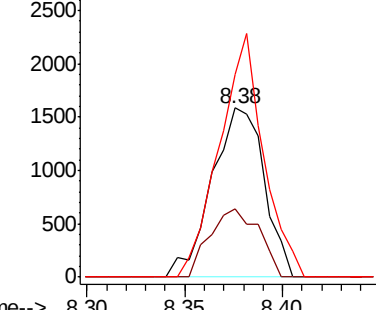
79 100

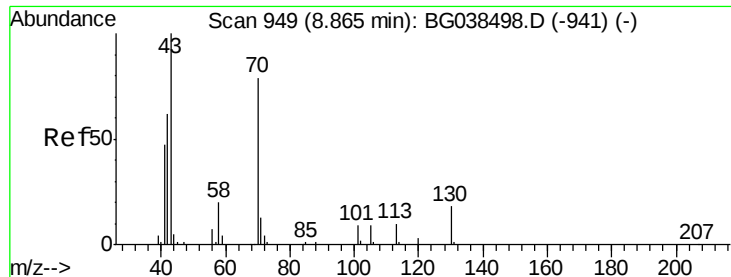
108 40.5 60.2 90.4#

77 119.5 50.7 76.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 20.064 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038887.D

Acq: 28 Dec 2018 23:45

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 26112

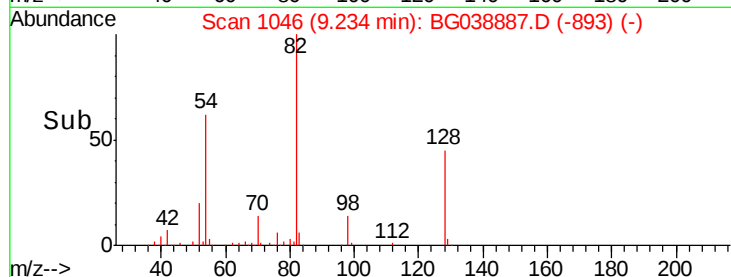
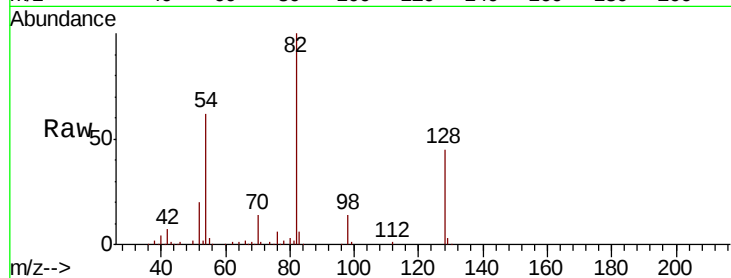
Ion Ratio Lower Upper

70 100

42 53.1 63.6 95.4#

101 0.0 9.2 13.8#

130 2.3 18.5 27.7#

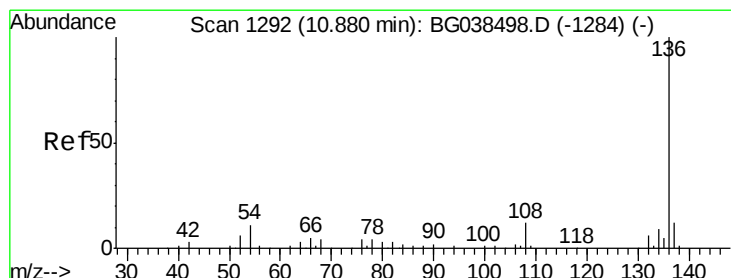
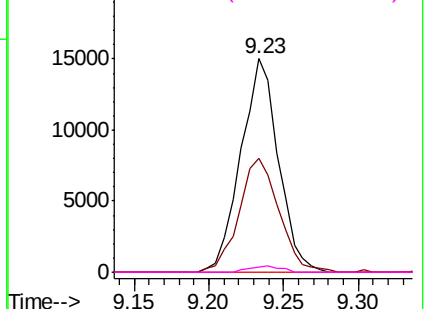


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.87 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BG038887.D

Acq: 28 Dec 2018 23:45

Tgt Ion: 136 Resp: 102379

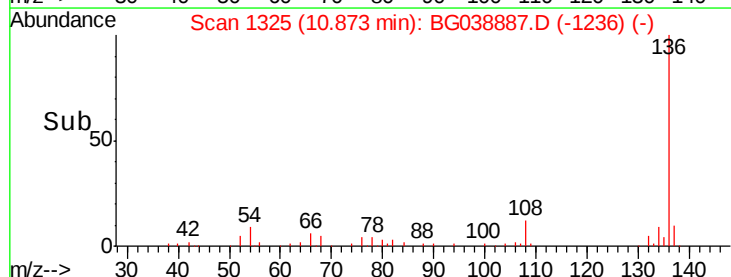
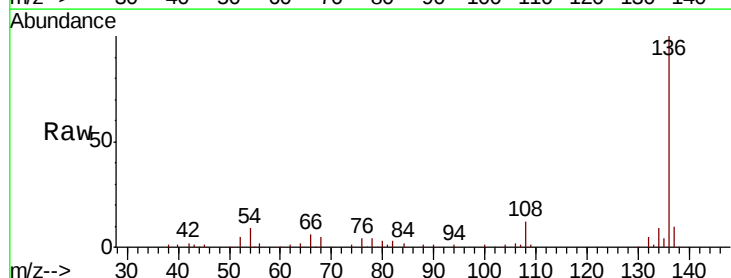
Ion Ratio Lower Upper

136 100

137 10.5 9.3 13.9

54 9.1 8.5 12.7

68 5.2 3.5 5.3

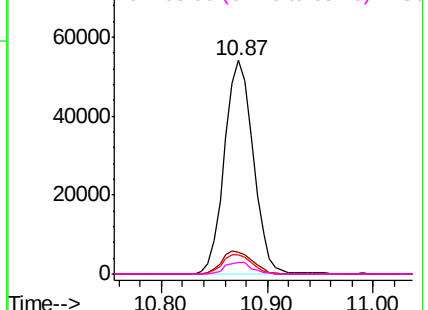


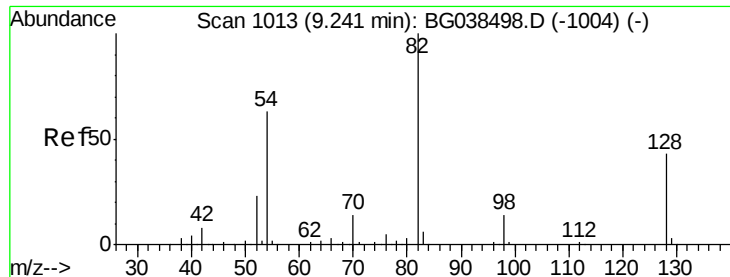
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 99.515 ng

RT: 9.23 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BG038887.D

Acq: 28 Dec 2018 23:45

Instrument :

BNA_G

ClientSampleId :

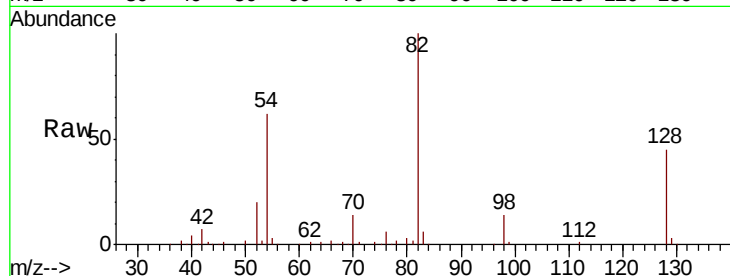
Tot Ion: 82 Resp: 199429

Ion Ratio Lower Upper

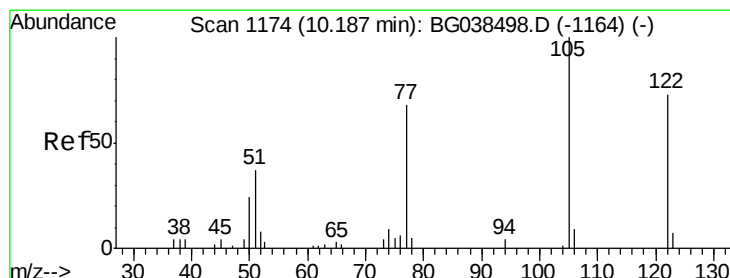
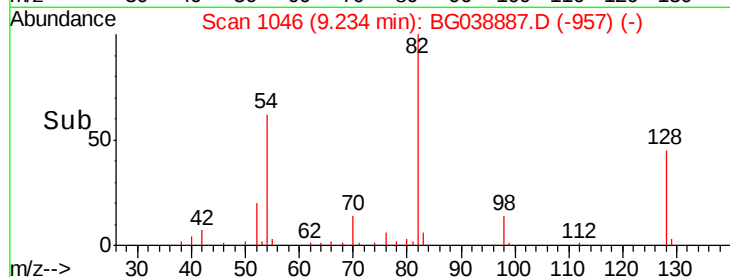
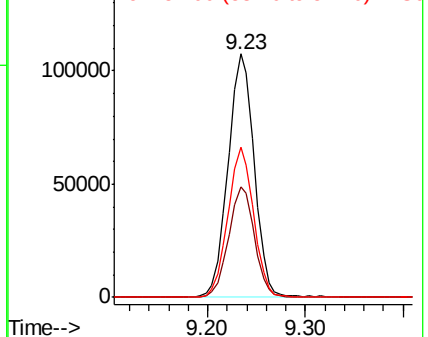
82 100

128 45.4 34.6 52.0

54 61.9 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: 10.209 ng

RT: 10.20 min Scan# 1210

Delta R.T. 0.01 min

Lab File: BG038887.D

Acq: 28 Dec 2018 23:45

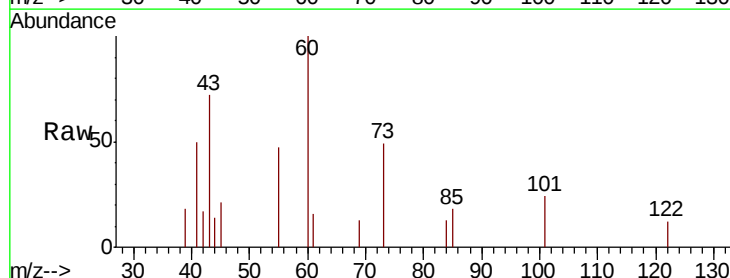
Tgt Ion:122 Resp: 54

Ion Ratio Lower Upper

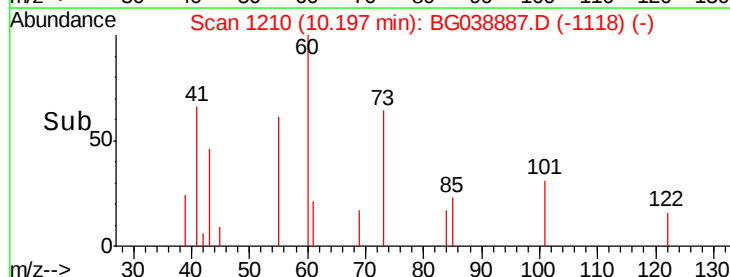
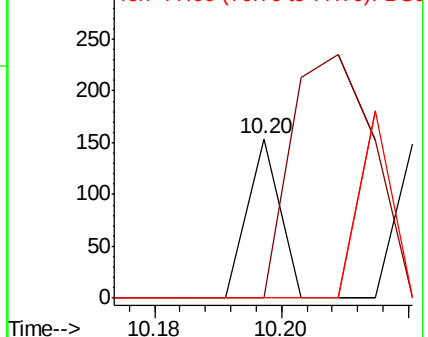
122 100

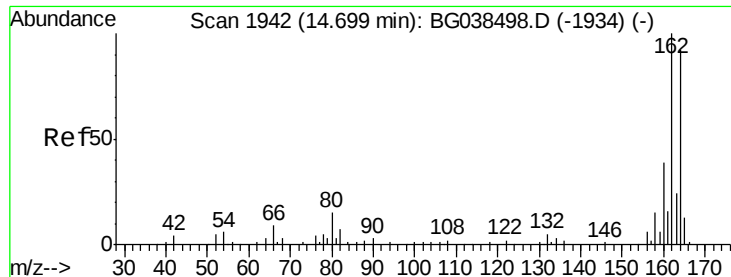
105 0.0 116.7 156.7#

77 0.0 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# 1975

Delta R.T. -0.01 min

Lab File: BG038887.D

Acq: 28 Dec 2018 23:45

Instrument :

BNA_G

ClientSampleId :

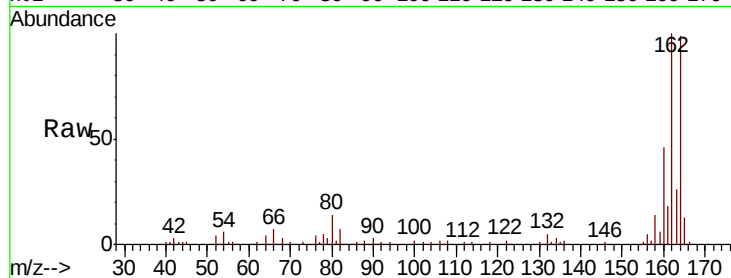
Tot Ion:164 Resp: 75315

Ion Ratio Lower Upper

164 100

162 101.4 86.6 130.0

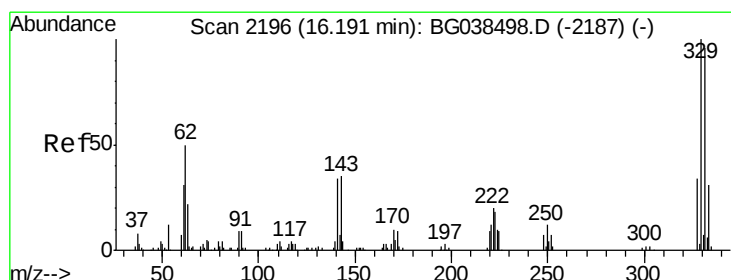
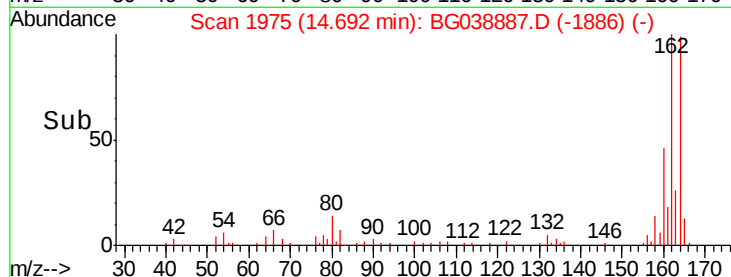
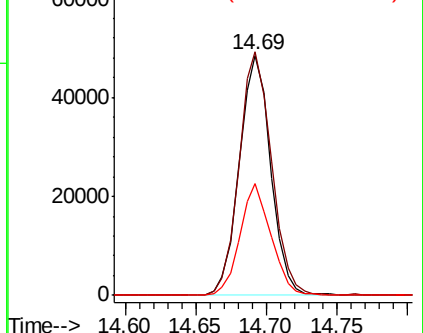
160 46.5 34.2 51.2



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: 139.721 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038887.D

Acq: 28 Dec 2018 23:45

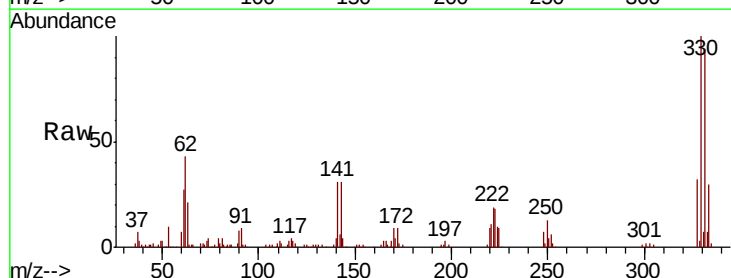
Tgt Ion:330 Resp: 145027

Ion Ratio Lower Upper

330 100

332 93.9 76.9 115.3

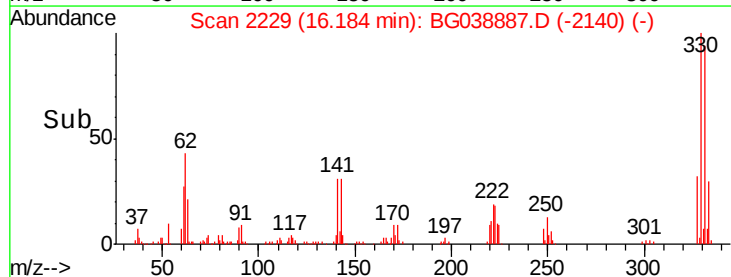
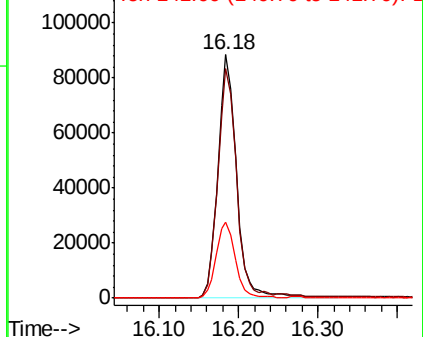
141 32.1 28.8 43.2

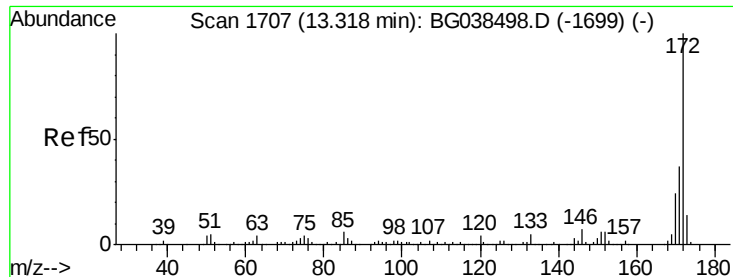


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

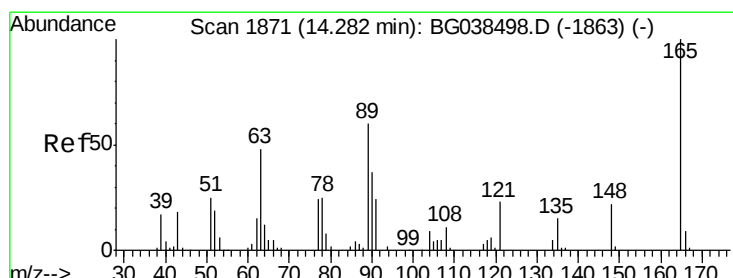
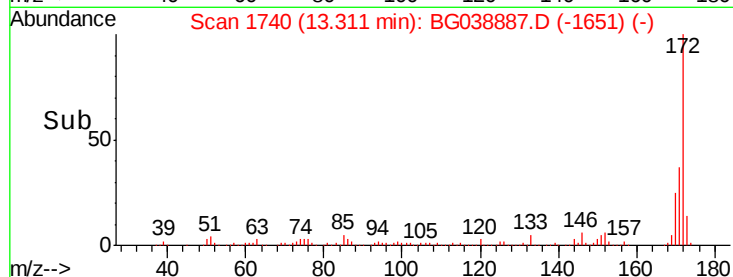
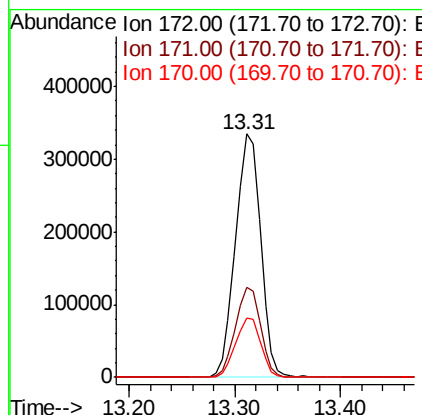
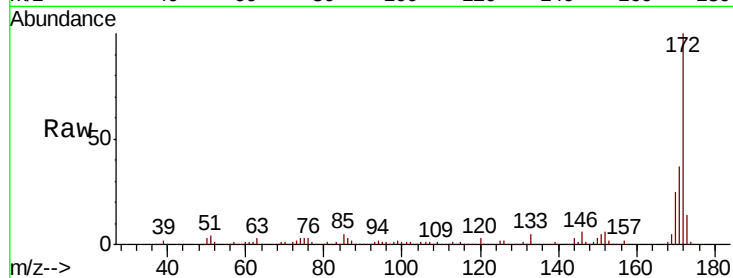




#45
 2-Fluorobiphenyl
 Concen: 100.670 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038887.D
 Acq: 28 Dec 2018 23:45

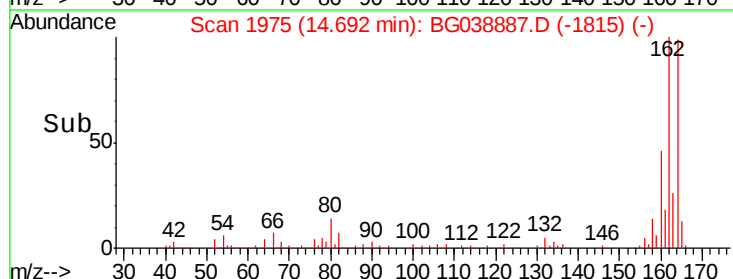
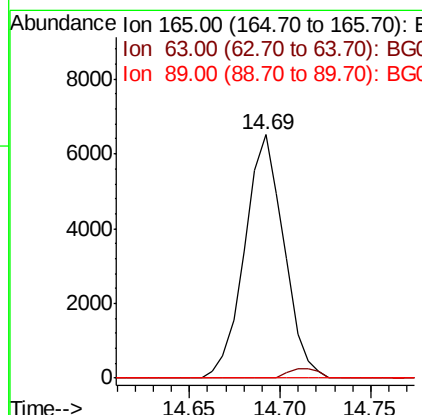
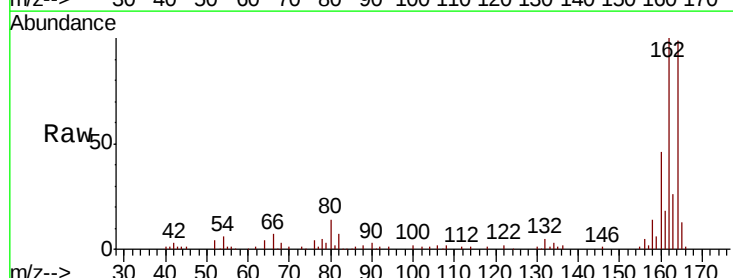
Instrument :
 BNA_G
 ClientSampleId :

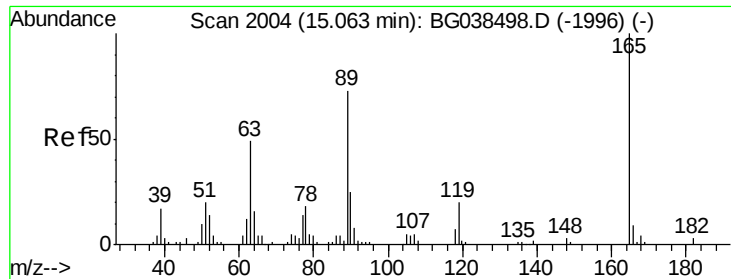
Tot Ion:172 Resp: 552682
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.8 44.6
 170 24.6 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.018 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038887.D
 Acq: 28 Dec 2018 23:45

Tgt Ion:165 Resp: 9782
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

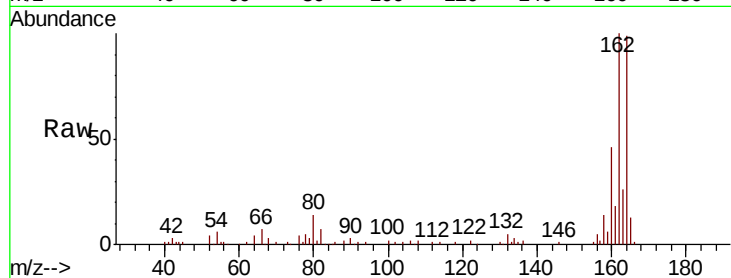




#57
 2,4-Dinitrotoluene
 Concen: 4.983 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038887.D
 Acq: 28 Dec 2018 23:45

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#

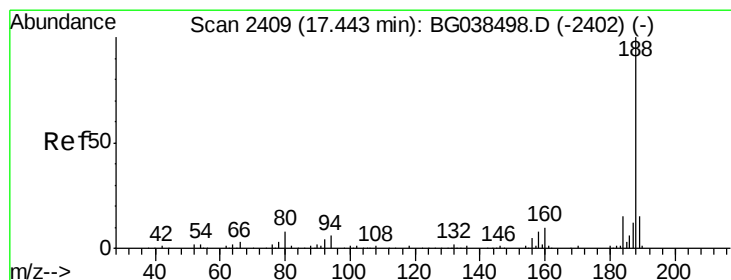
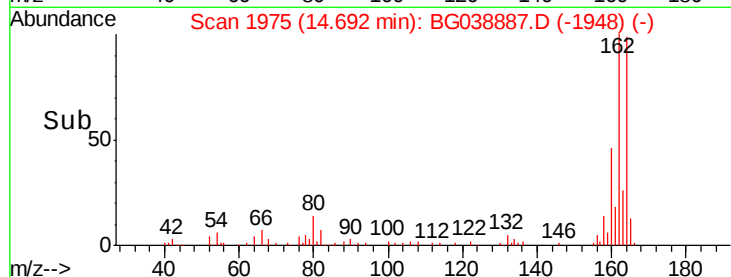
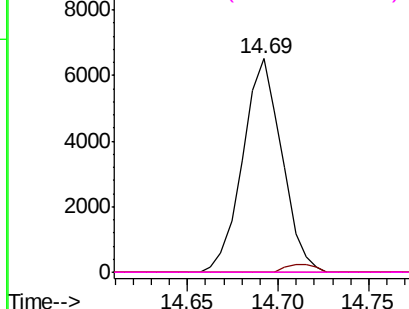


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

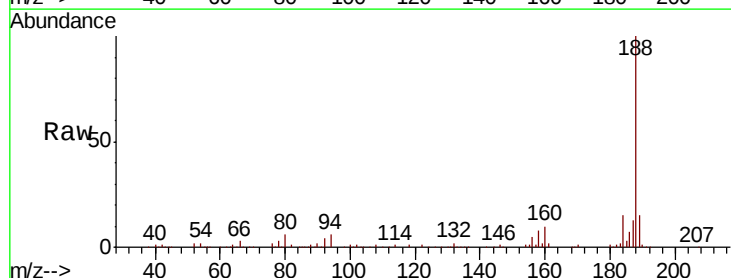
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038887.D
 Acq: 28 Dec 2018 23:45

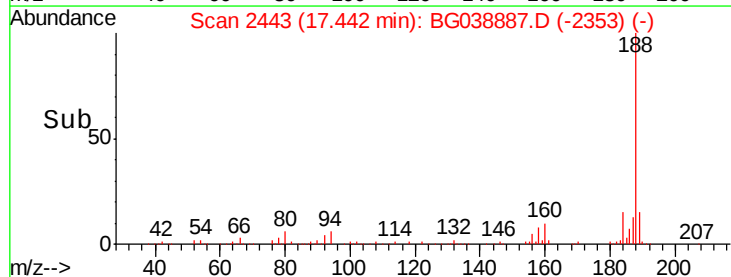
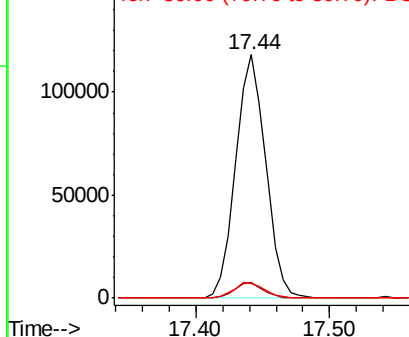
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.5	5.1	7.7
80	6.0	6.1	9.1#

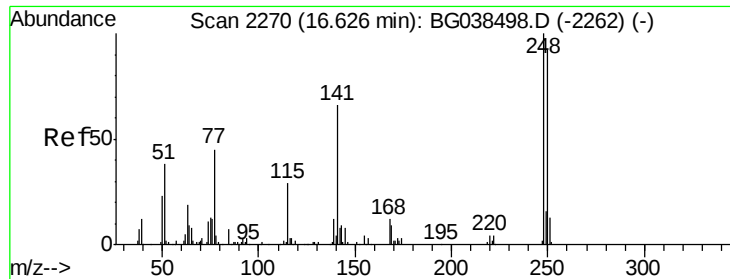


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 4.523 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.44 min

Lab File: BG038887.D

Acq: 28 Dec 2018 23:45

Instrument :

BNA_G

ClientSampleId :

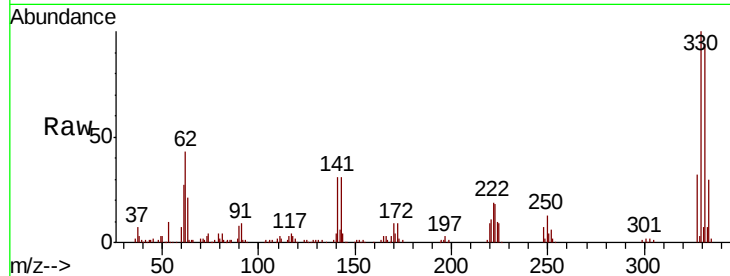
Tot Ion:248 Resp: 10175

Ion Ratio Lower Upper

248 100

250 175.5 73.4 110.2#

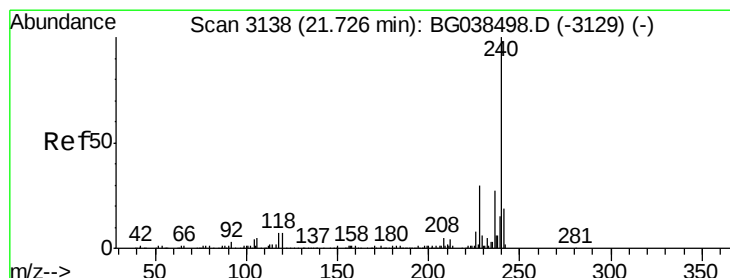
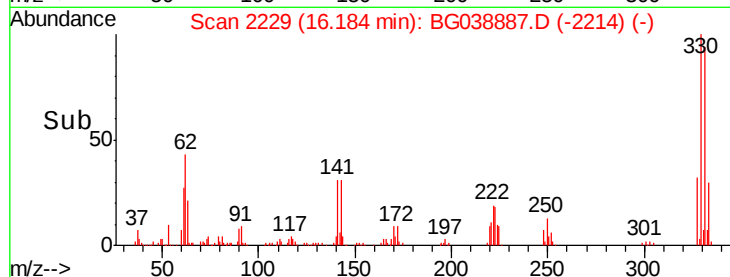
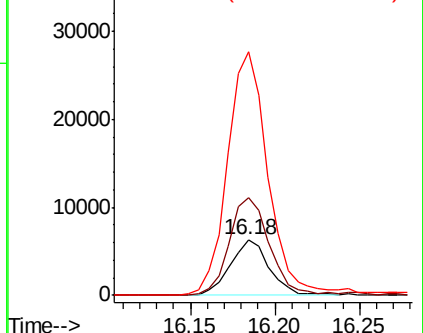
141 327.3 52.9 79.3#



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: 21.72 min Scan# 3171

Delta R.T. -0.01 min

Lab File: BG038887.D

Acq: 28 Dec 2018 23:45

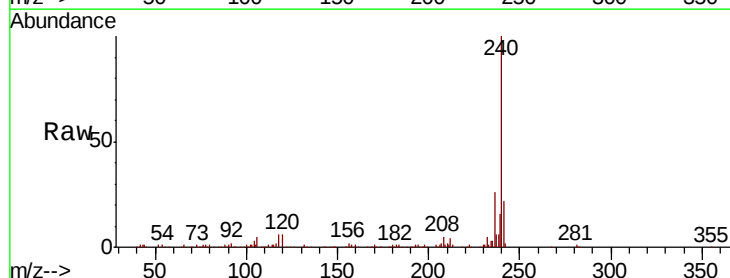
Tgt Ion:240 Resp: 189546

Ion Ratio Lower Upper

240 100

120 5.7 5.3 7.9

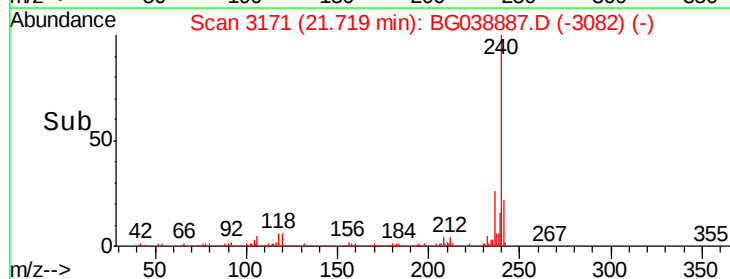
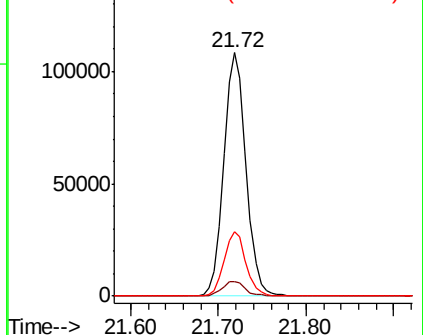
236 26.2 21.4 32.2

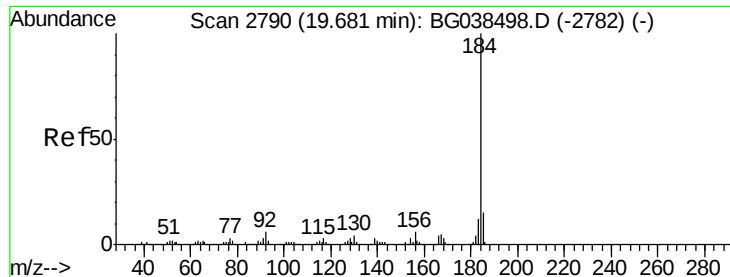


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.091 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038887.D

Acq: 28 Dec 2018 23:45

Instrument :

BNA_G

ClientSampleId :

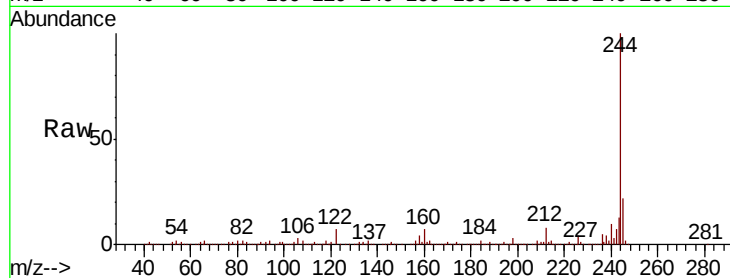
Tot Ion:184 Resp: 17325

Ion Ratio Lower Upper

184 100

185 14.0 12.2 18.2

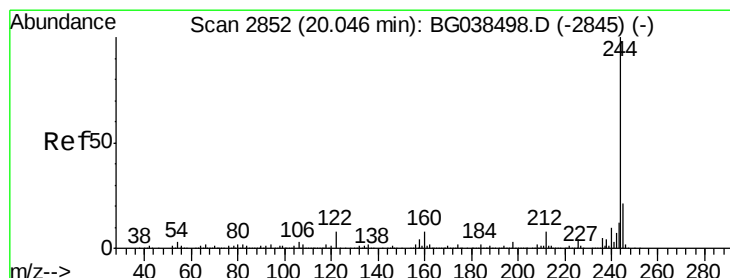
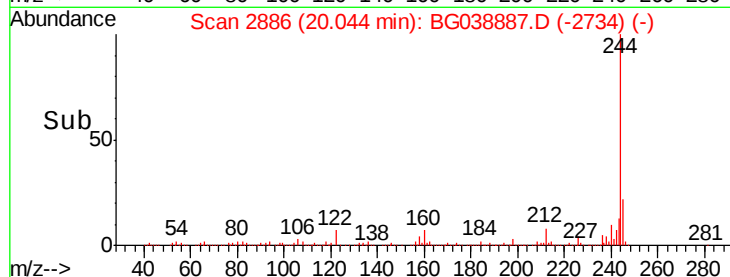
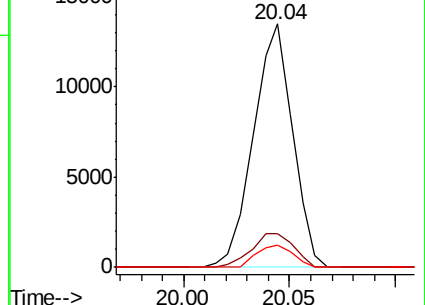
183 9.1 9.6 14.4#



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: 117.399 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038887.D

Acq: 28 Dec 2018 23:45

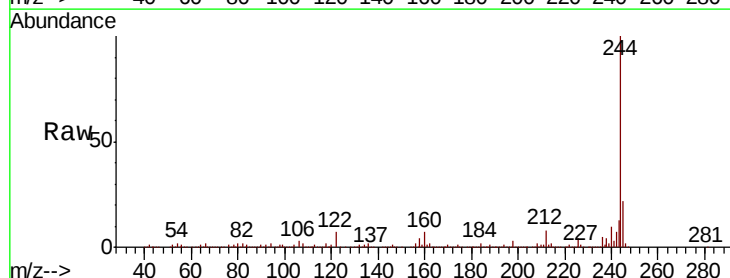
Tgt Ion:244 Resp: 1022479

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

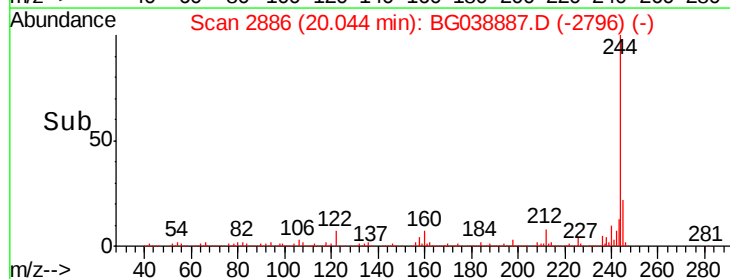
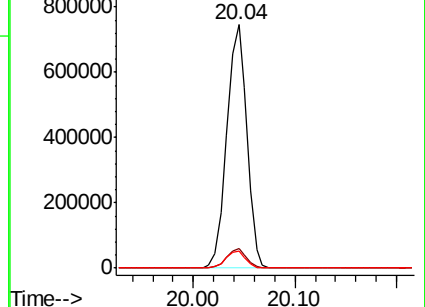
122 7.3 6.3 9.5

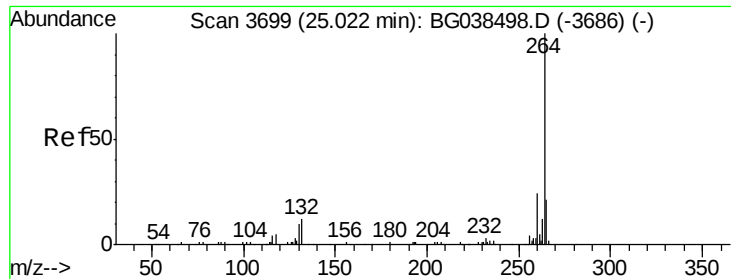


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3733
Delta R.T. -0.00 min
Lab File: BG038887.D
Acq: 28 Dec 2018 23:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.3	17.0	25.4

