

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
 Data File : BG038863.D
 Acq On : 28 Dec 2018 5:47
 Operator : JU/SJ
 Sample : J6195-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-01-122618-B

Quant Time: Dec 28 07:06:35 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

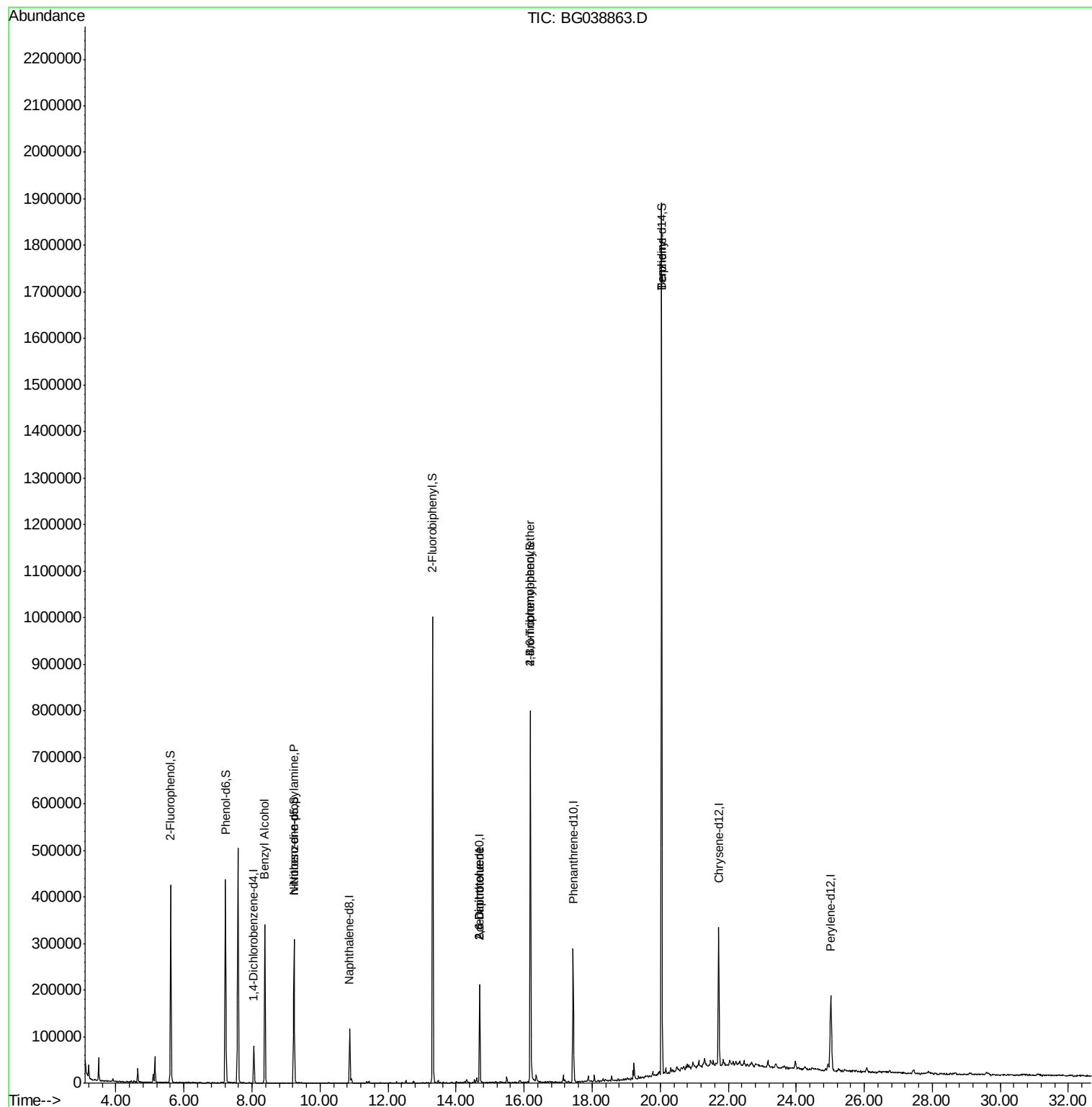
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	23447	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	105098	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	78699	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	186289	20.00	ng	0.00
76) Chrysene-d12	21.72	240	186926	20.00	ng	0.00
87) Perylene-d12	25.02	264	201946	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	188700	142.74	ng	0.01
7) Phenol-d6	7.22	99	250455	138.01	ng	0.01
23) Nitrobenzene-d5	9.23	82	183001	88.96	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	177829	163.96	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	539338	94.02	ng	0.00
79) Terphenyl-d14	20.04	244	934064	108.75	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.38	79	2847	2.010	ng	# 59
19) n-Nitroso-di-n-propylamine	9.23	70	24946	19.571	ng	# 65
51) 2,6-Dinitrotoluene	14.69	165	10287	7.063	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	10287	5.015	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	11202	4.924	ng	# 1
77) Benzidine	20.04	184	15399	2.786	ng	98

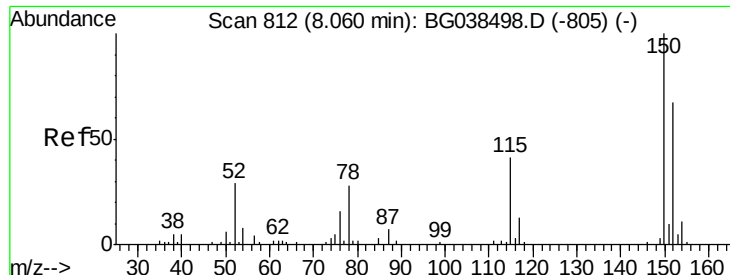
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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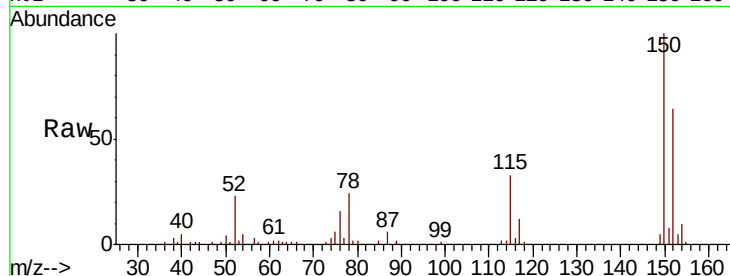


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038863.D
Acq: 28 Dec 2018 5:47

Instrument :
BNA_G
ClientSampleId :
OR-01-122618-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	119.5	179.3
115	52.1	49.6	74.4

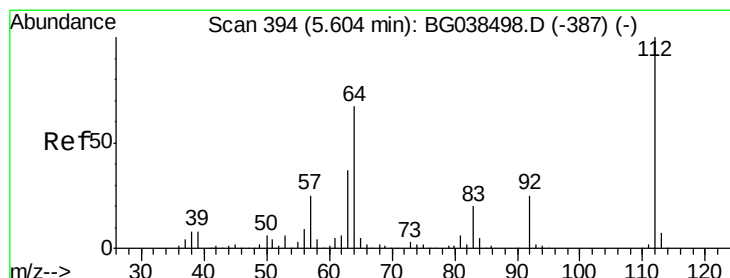
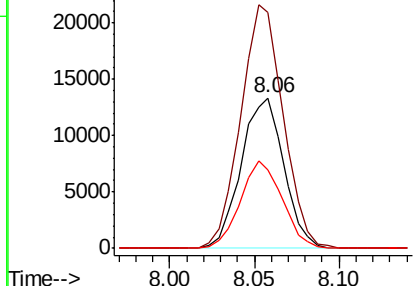
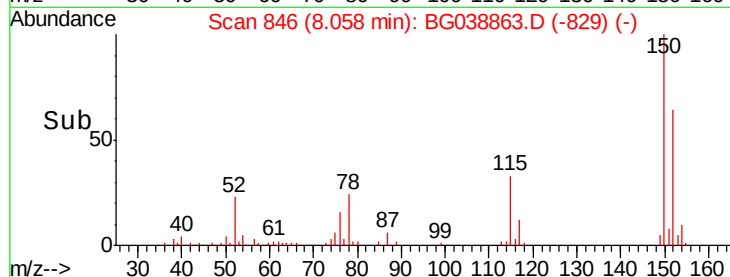


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

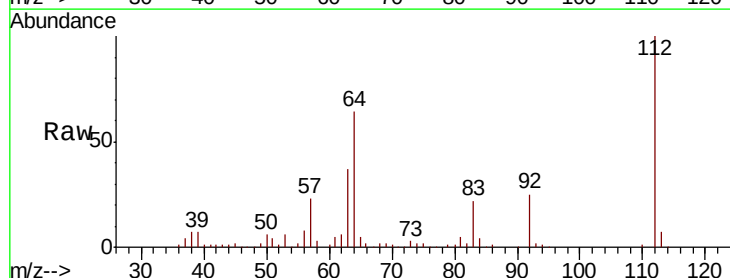
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 142.742 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG038863.D
Acq: 28 Dec 2018 5:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	53.4	80.2
63	37.1	29.3	43.9

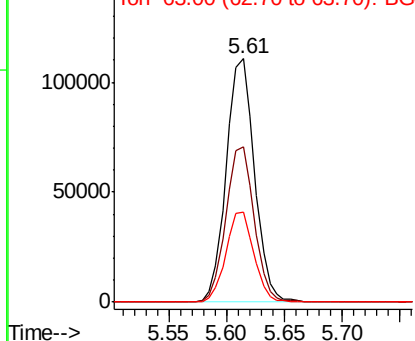
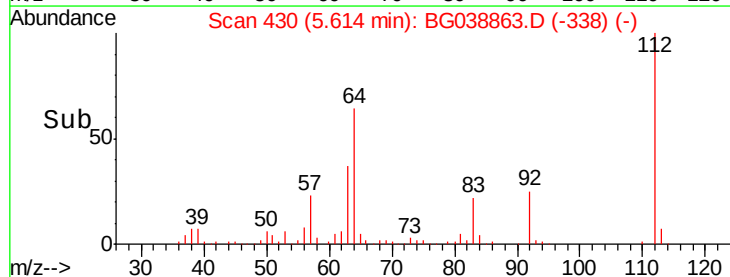


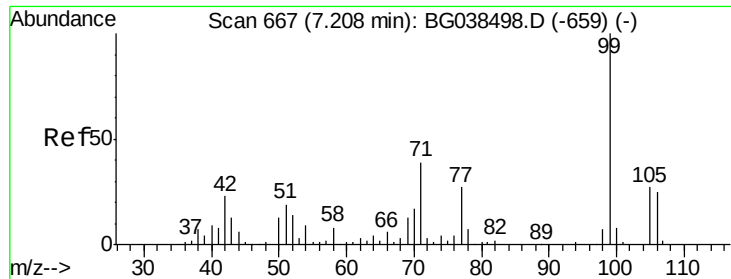
Abundance

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: 138.007 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038863.D

Acq: 28 Dec 2018 5:47

Instrument :

BNA_G

ClientSampleId :

OR-01-122618-B

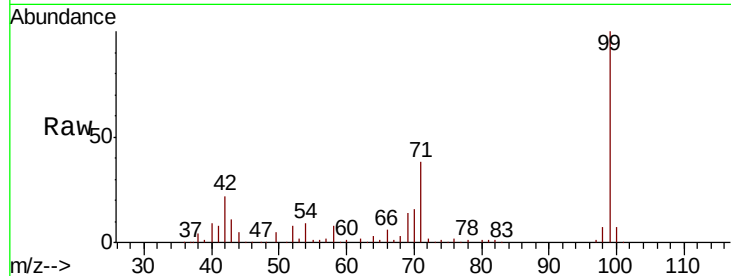
Tot Ion: 99 Resp: 250455

Ion Ratio Lower Upper

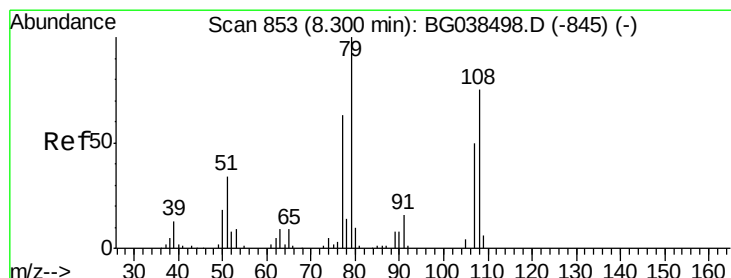
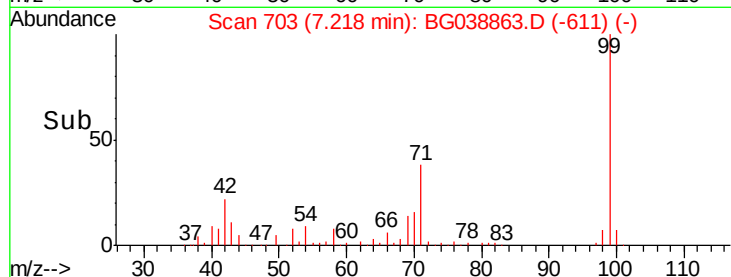
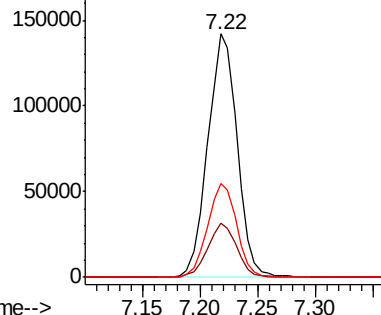
99 100

42 22.2 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: 2.010 ng

RT: 8.38 min Scan# 900

Delta R.T. 0.08 min

Lab File: BG038863.D

Acq: 28 Dec 2018 5:47

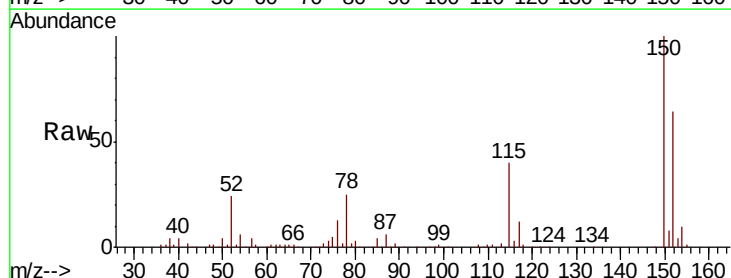
Tgt Ion: 79 Resp: 2847

Ion Ratio Lower Upper

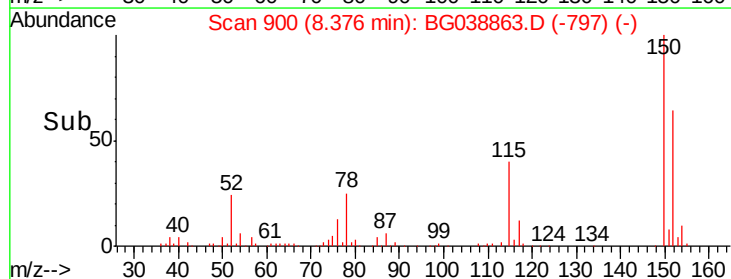
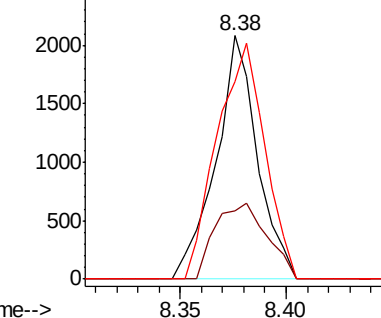
79 100

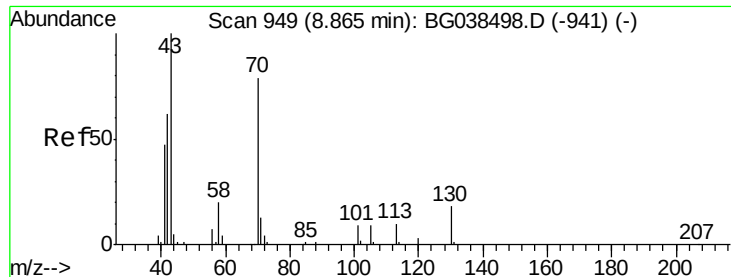
108 28.0 60.2 90.4#

77 81.2 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: 19.571 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038863.D

Acq: 28 Dec 2018 5:47

Instrument :

BNA_G

ClientSampleId :

OR-01-122618-B

Tot Ion: 70 Resp: 24946

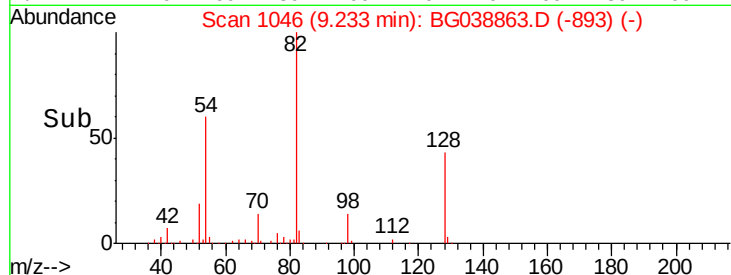
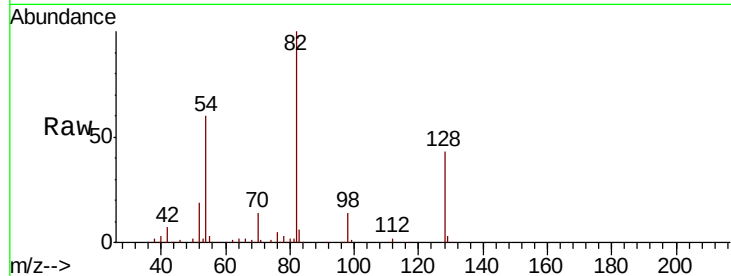
Ion Ratio Lower Upper

70 100

42 50.3 63.6 95.4#

101 0.0 9.2 13.8#

130 2.6 18.5 27.7#

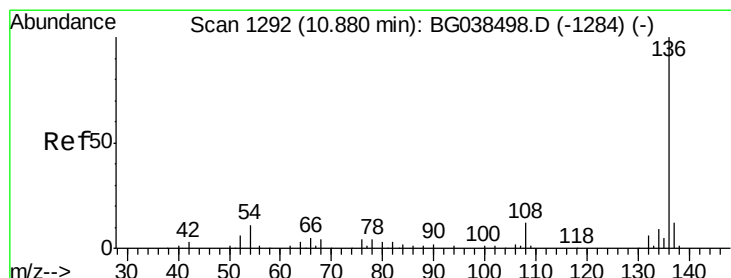
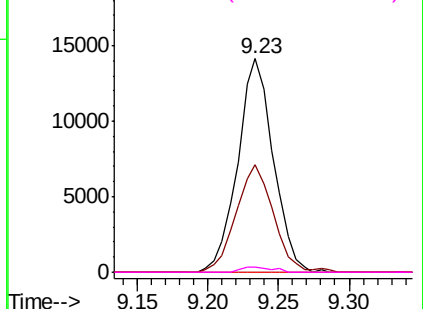


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG038863.D

Acq: 28 Dec 2018 5:47

Tgt Ion:136 Resp: 105098

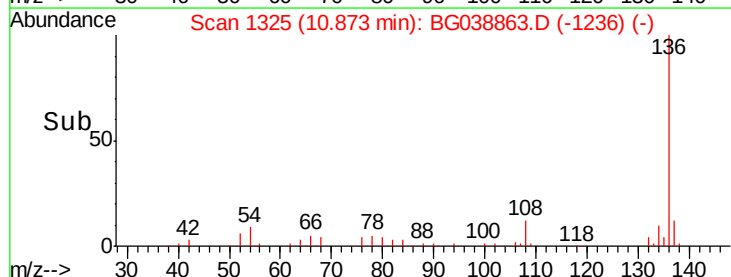
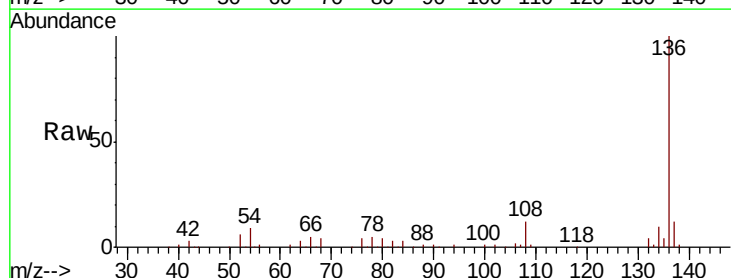
Ion Ratio Lower Upper

136 100

137 11.7 9.3 13.9

54 8.9 8.5 12.7

68 4.2 3.5 5.3

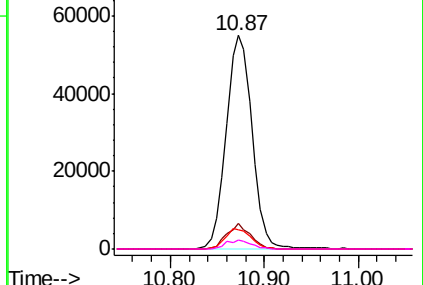


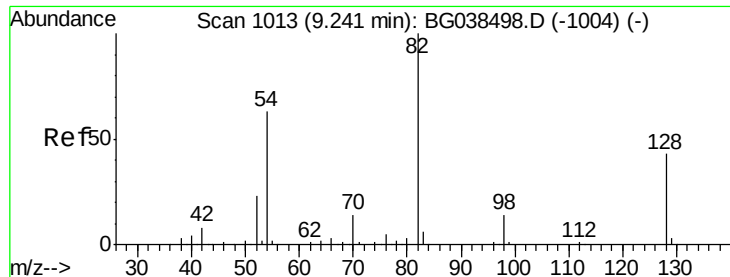
Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 88.955 ng

RT: 9.23 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BG038863.D

Acq: 28 Dec 2018 5:47

Instrument :

BNA_G

ClientSampleId :

OR-01-122618-B

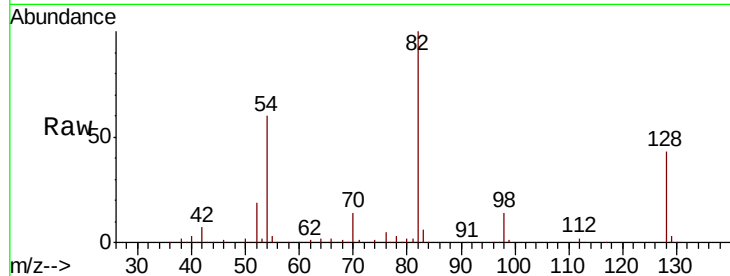
Tot Ion: 82 Resp: 183001

Ion Ratio Lower Upper

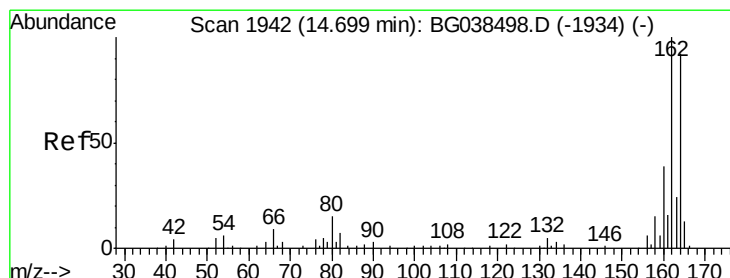
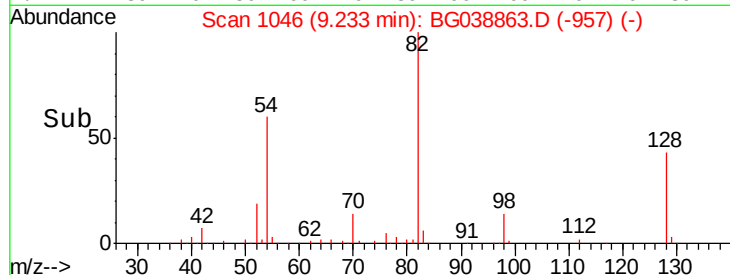
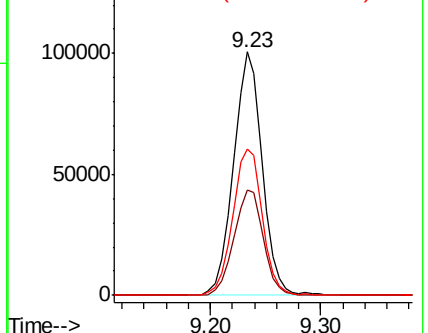
82 100

128 43.4 34.6 52.0

54 60.3 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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038863.D

Acq: 28 Dec 2018 5:47

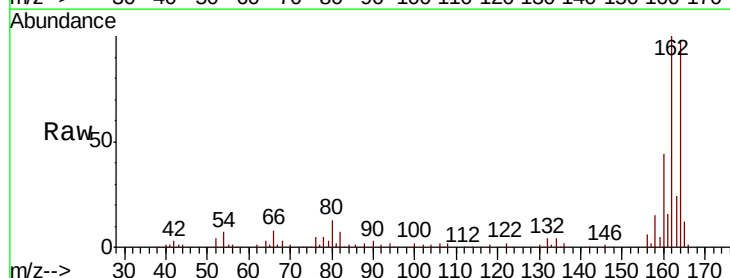
Tgt Ion:164 Resp: 78699

Ion Ratio Lower Upper

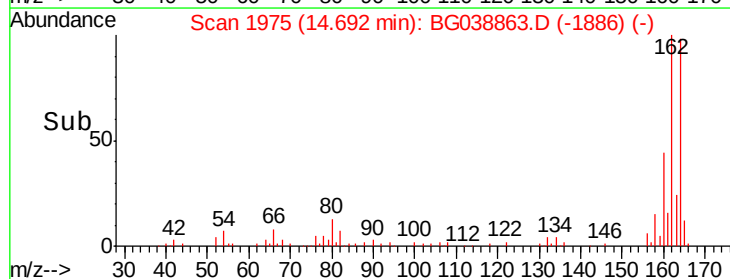
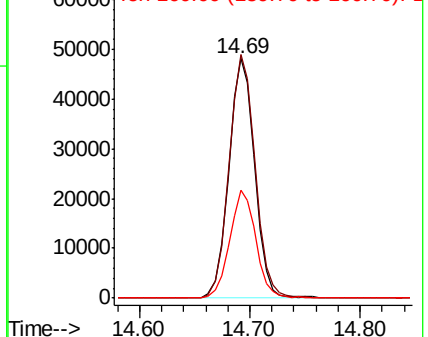
164 100

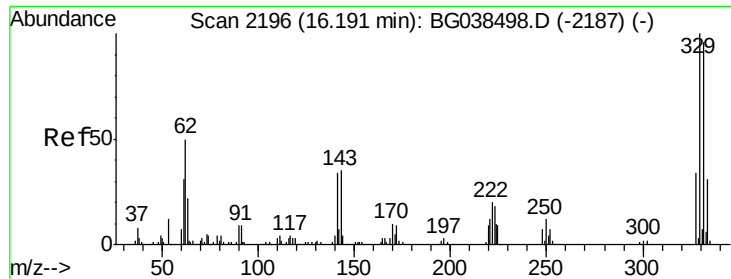
162 101.7 86.6 130.0

160 45.1 34.2 51.2



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

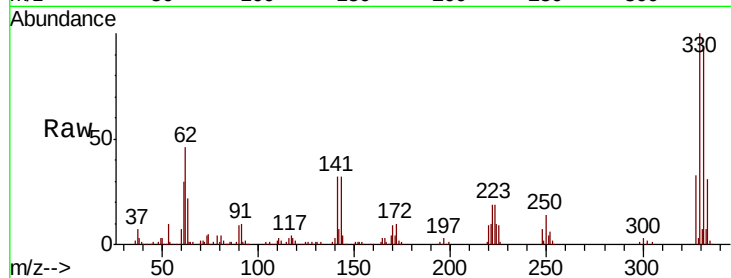




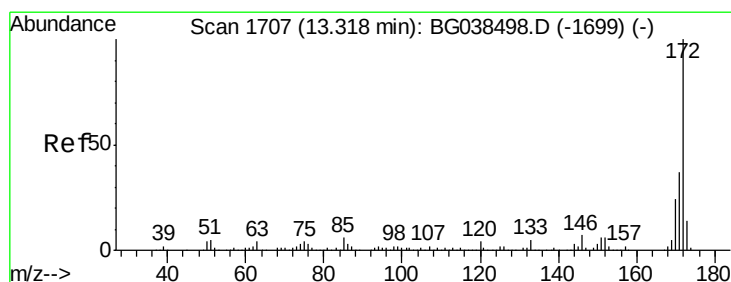
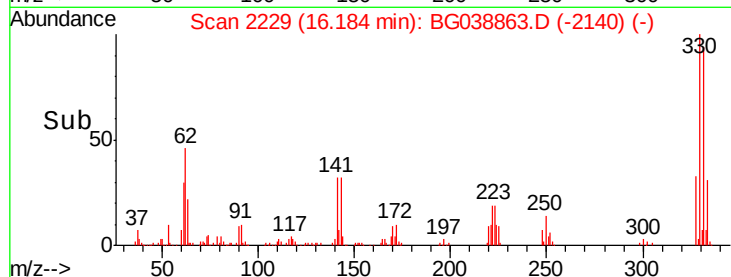
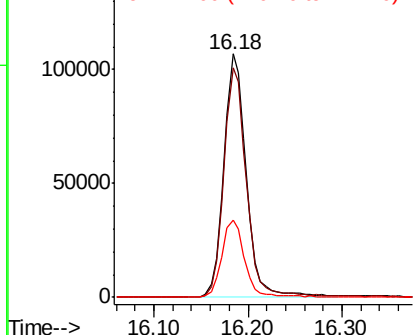
#42
 2,4,6-Tribromophenol
 Concen: 163.956 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BG038863.D
 Acq: 28 Dec 2018 5:47

Instrument :
 BNA_G
 ClientSampleId :
 OR-01-122618-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.9	115.3
141	31.6	28.8	43.2

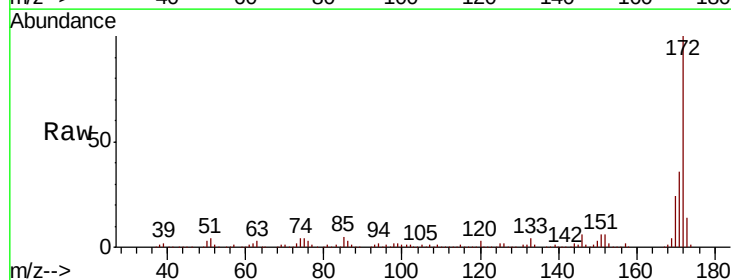


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

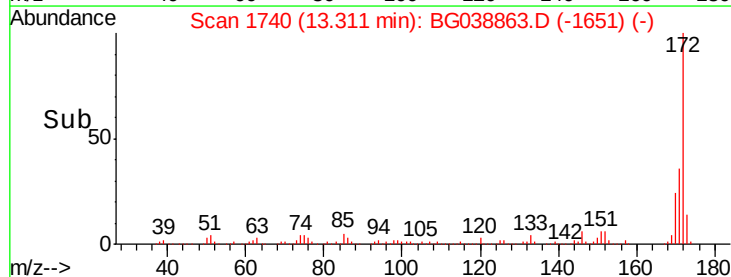
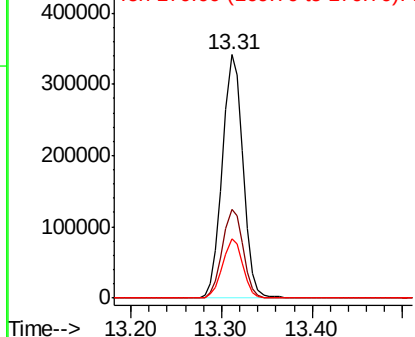


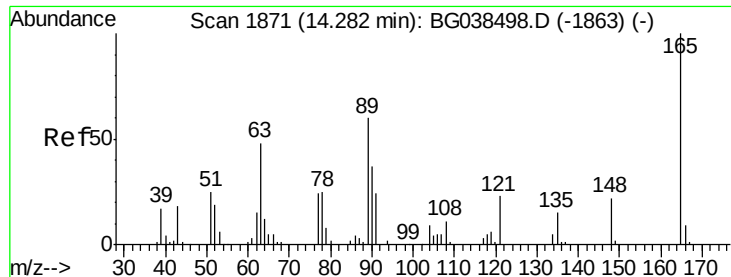
#45
 2-Fluorobiphenyl
 Concen: 94.015 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038863.D
 Acq: 28 Dec 2018 5:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.8	44.6
170	24.3	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

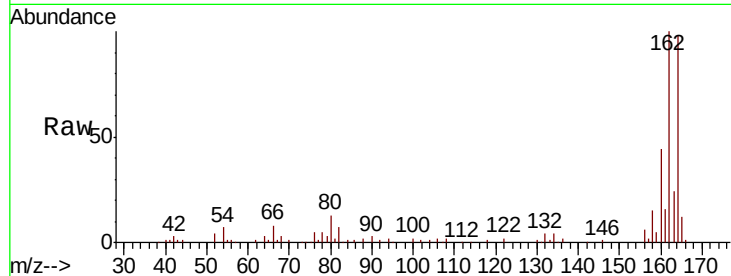




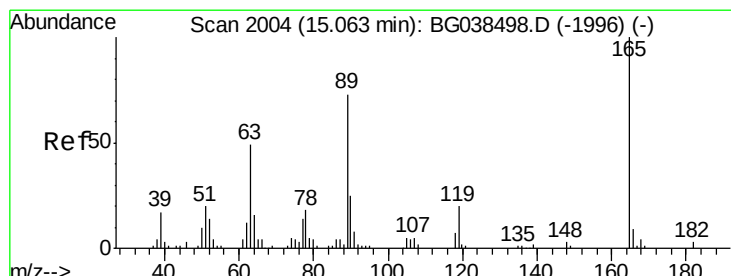
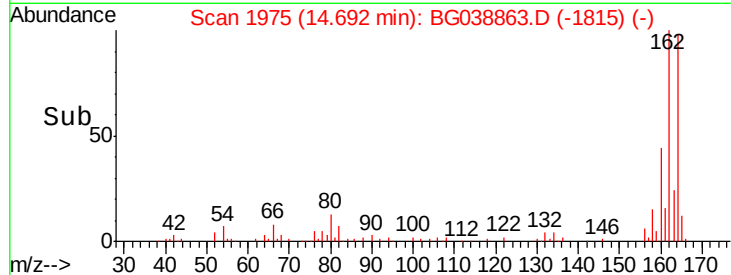
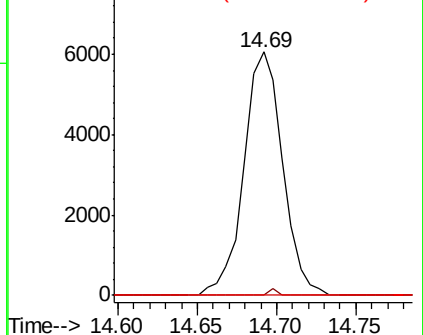
#51
 2,6-Dinitrotoluene
 Concen: 7.063 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038863.D
 Acq: 28 Dec 2018 5:47

Instrument :
 BNA_G
 ClientSampleId :
 OR-01-122618-B

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



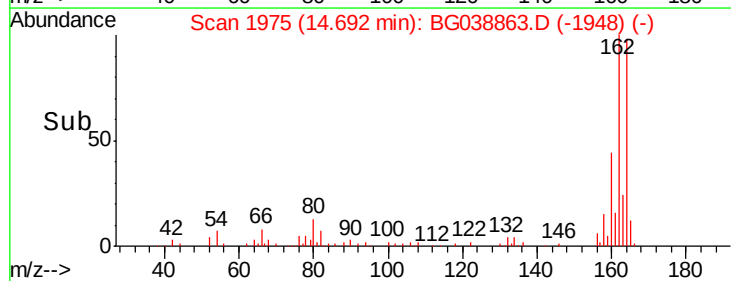
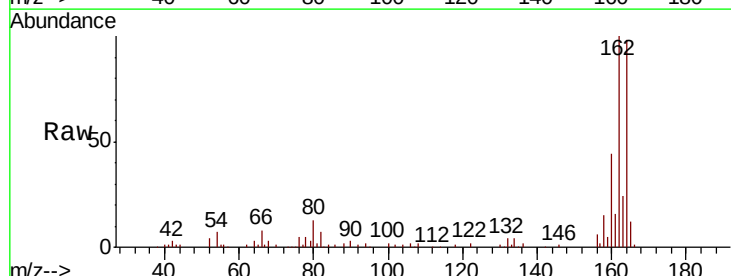
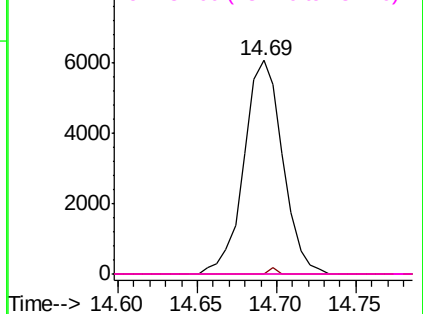
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

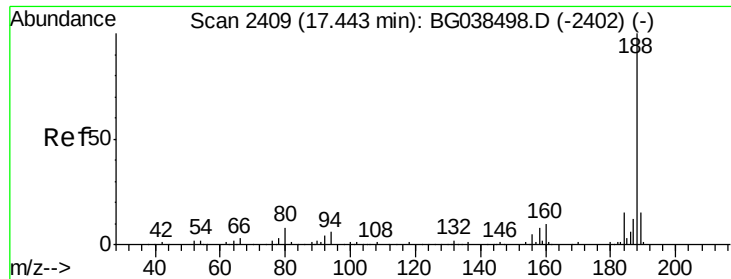


#57
 2,4-Dinitrotoluene
 Concen: 5.015 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038863.D
 Acq: 28 Dec 2018 5:47

Tgt 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

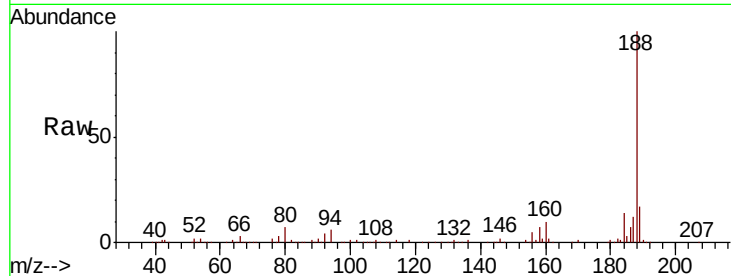




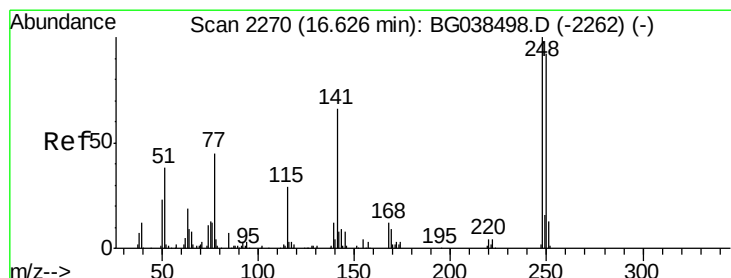
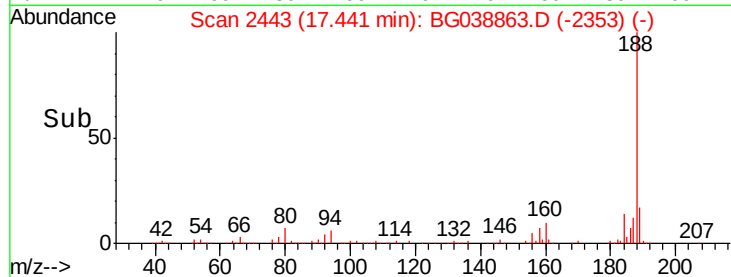
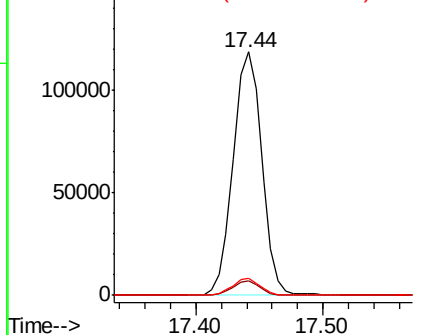
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG038863.D
Acq: 28 Dec 2018 5:47

Instrument :
BNA_G
ClientSampleId :
OR-01-122618-B

Tot Ion:188 Resp: 186289
Ion Ratio Lower Upper
188 100
94 6.0 5.1 7.7
80 7.1 6.1 9.1

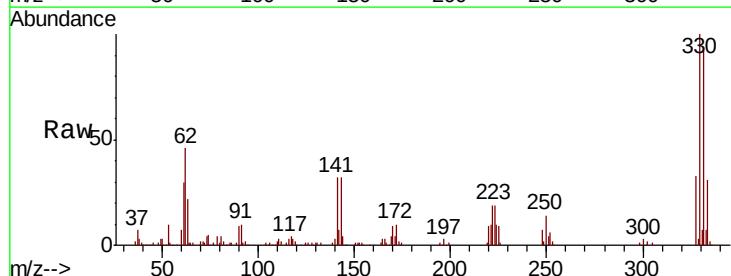


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

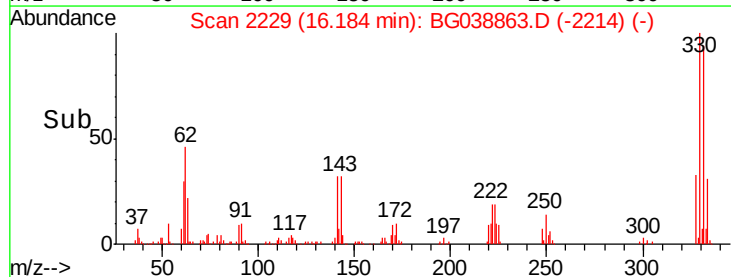
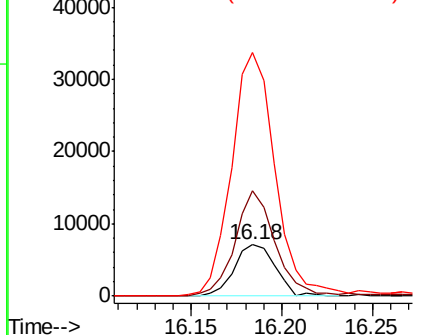


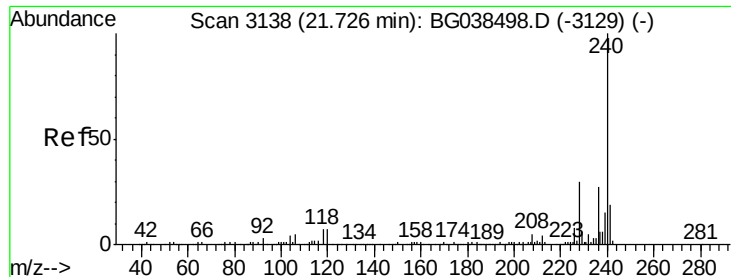
#67
4-Bromophenyl-phenylether
Concen: 4.924 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038863.D
Acq: 28 Dec 2018 5:47

Tgt Ion:248 Resp: 11202
Ion Ratio Lower Upper
248 100
250 192.2 73.4 110.2#
141 348.3 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

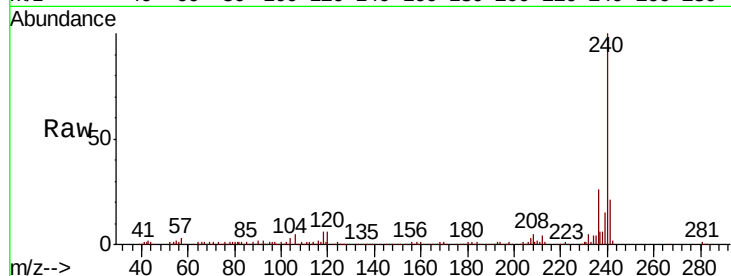




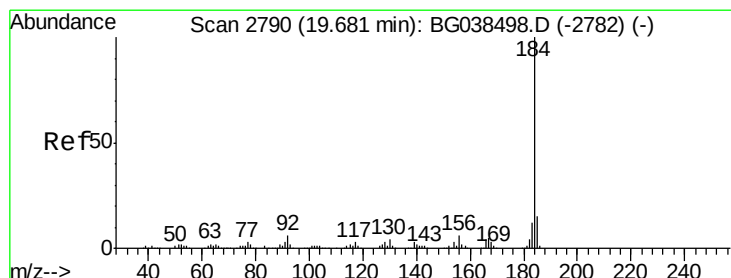
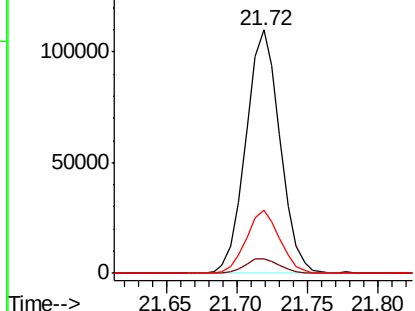
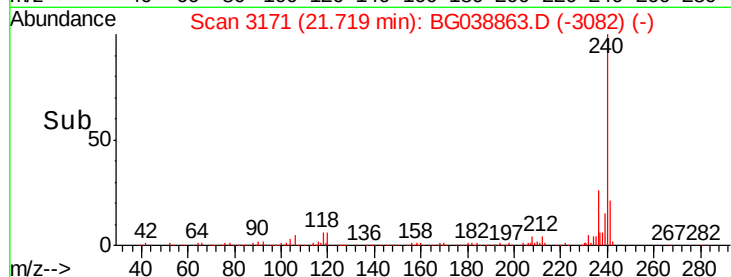
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038863.D
Acq: 28 Dec 2018 5:47

Instrument :
BNA_G
ClientSampleId :
OR-01-122618-B

Tot Ion:240 Resp: 186926
Ion Ratio Lower Upper
240 100
120 6.0 5.3 7.9
236 26.0 21.4 32.2

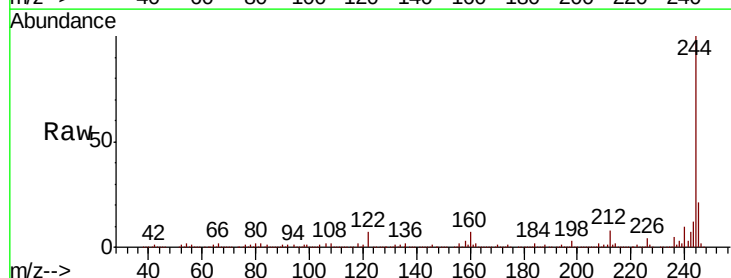


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

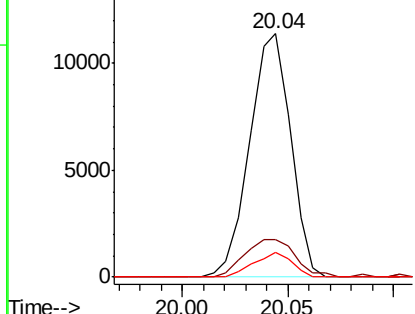
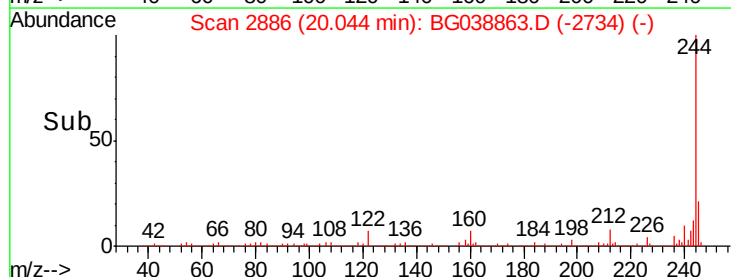


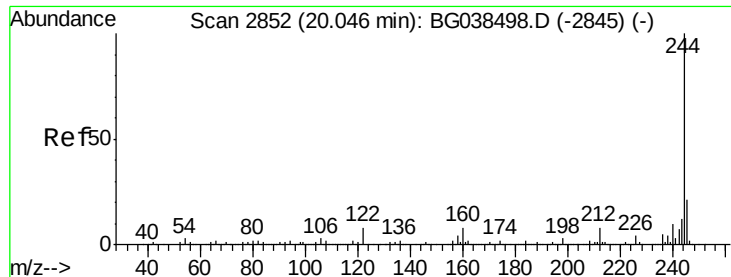
#77
Benzidine
Concen: 2.786 ng
RT: 20.04 min Scan# 2886
Delta R.T. 0.36 min
Lab File: BG038863.D
Acq: 28 Dec 2018 5:47

Tgt Ion:184 Resp: 15399
Ion Ratio Lower Upper
184 100
185 15.4 12.2 18.2
183 10.3 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: 108.751 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038863.D

Acq: 28 Dec 2018 5:47

Instrument :

BNA_G

ClientSampleId :

OR-01-122618-B

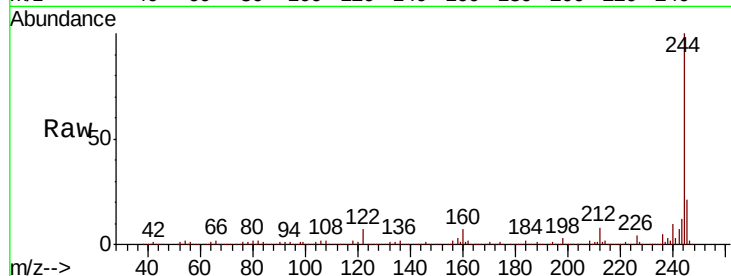
Tot Ion:244 Resp: 934064

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

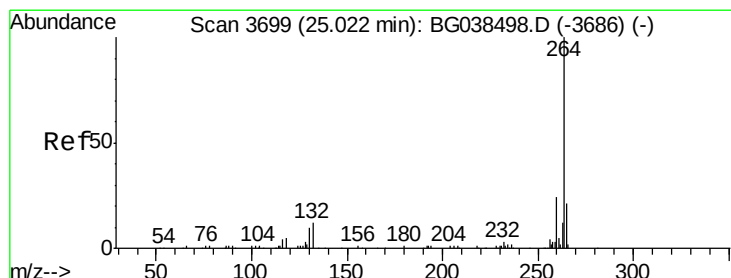
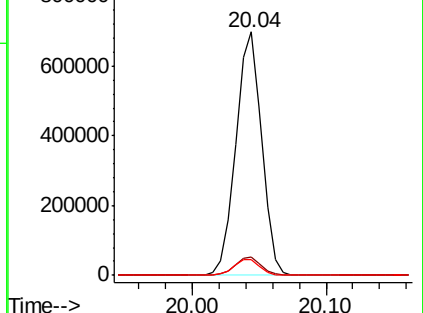
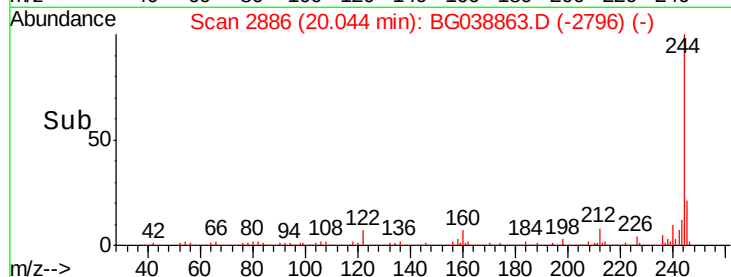
122 6.6 6.3 9.5



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

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BG038863.D

Acq: 28 Dec 2018 5:47

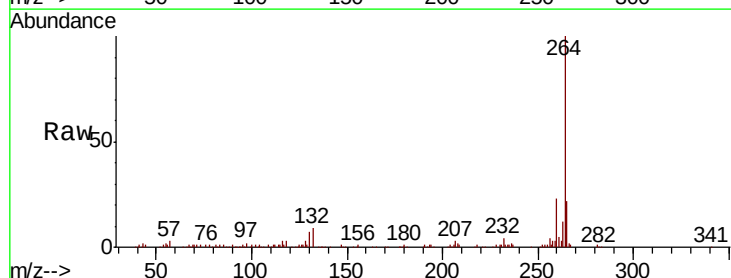
Tgt Ion:264 Resp: 201946

Ion Ratio Lower Upper

264 100

260 23.0 18.9 28.3

265 21.9 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

