

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
 Data File : BG038862.D
 Acq On : 28 Dec 2018 5:08
 Operator : JU/SJ
 Sample : J6534-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MWRV-6

Quant Time: Dec 28 07:06:24 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

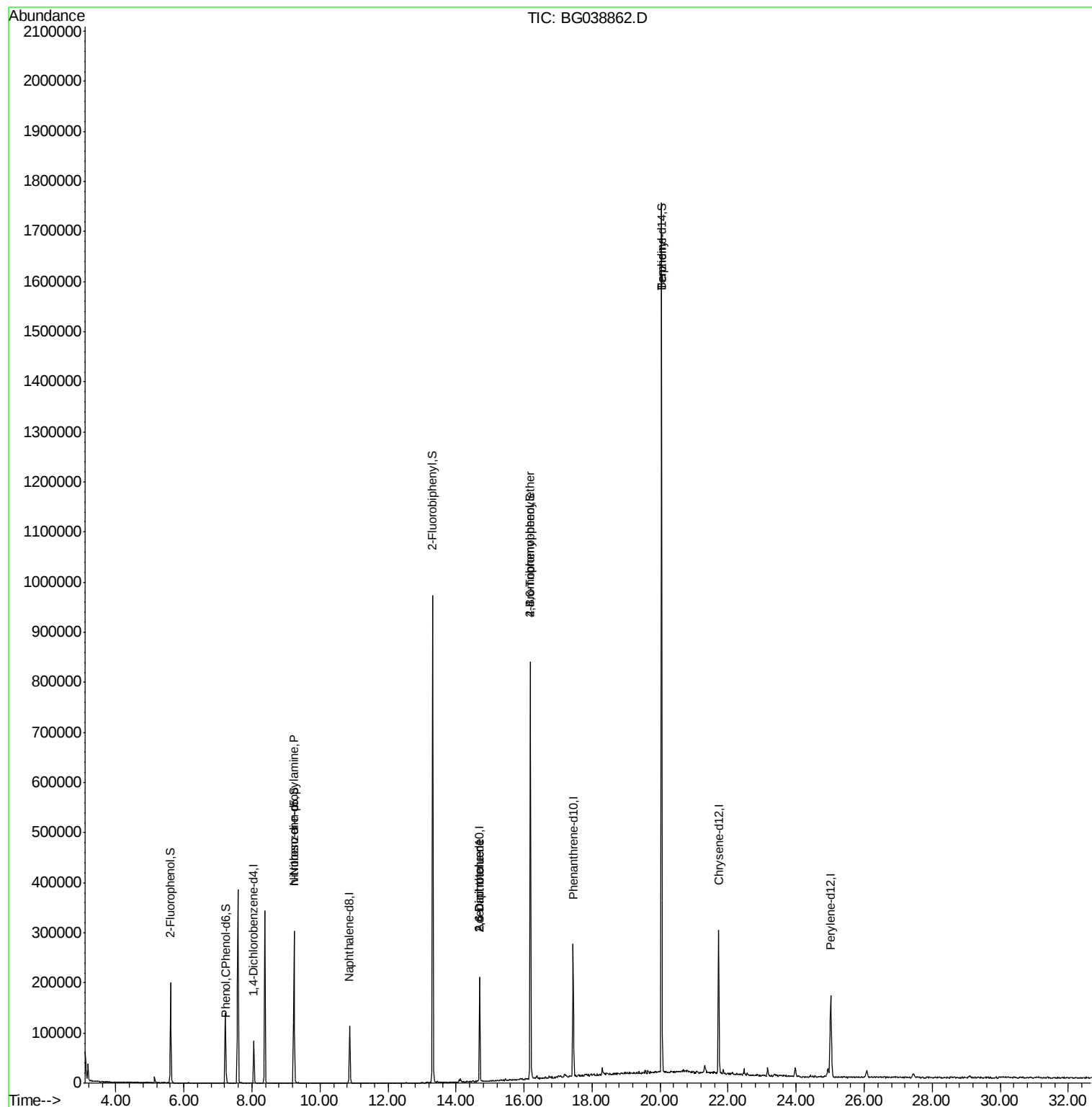
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	23684	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	107814	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	76594	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	176421	20.00	ng	0.00
76) Chrysene-d12	21.72	240	185923	20.00	ng	0.00
87) Perylene-d12	25.02	264	201509	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	89845	67.28	ng	0.00
7) Phenol-d6	7.21	99	82163	44.82	ng	0.00
23) Nitrobenzene-d5	9.23	82	182262	86.36	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	171452	162.42	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	543292	97.31	ng	0.00
79) Terphenyl-d14	20.05	244	901054	105.47	ng	0.00
Target Compounds						
10) Phenol	7.24	94	4096	2.103	ng	88
19) n-Nitroso-di-n-propylamine	9.23	70	25125	19.515	ng	# 66
51) 2,6-Dinitrotoluene	14.69	165	9983	7.043	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	9983	5.000	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	11630	5.398	ng	# 1
77) Benzidine	20.05	184	14799	2.691	ng	# 92

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

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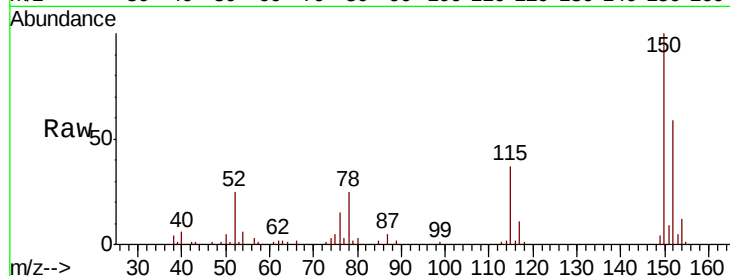


#1

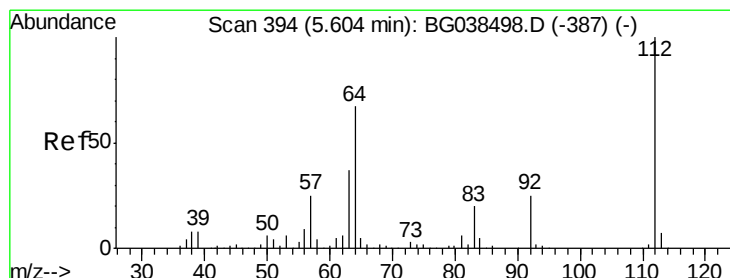
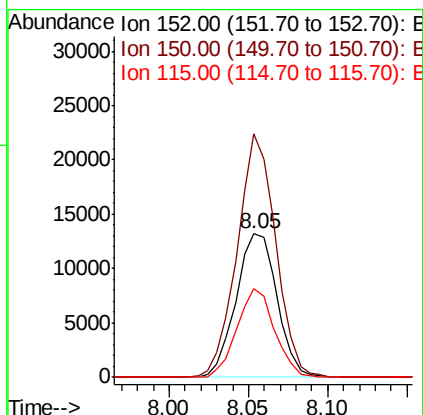
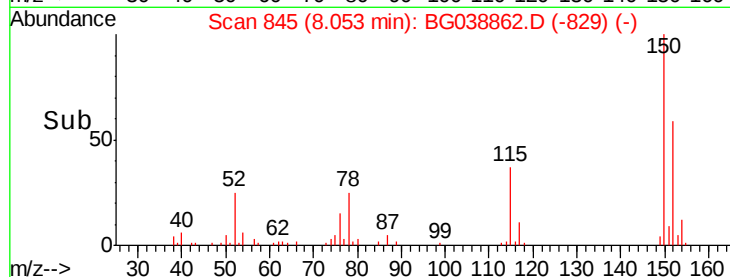
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038862.D
Acq: 28 Dec 2018 5:08

Instrument :
BNA_G
ClientSampleId :
MWRV-6

Tot Ion:152 Resp: 23684
Ion Ratio Lower Upper
152 100
150 169.9 119.5 179.3
115 62.0 49.6 74.4



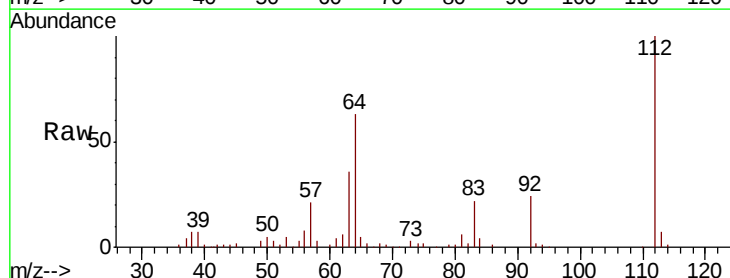
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



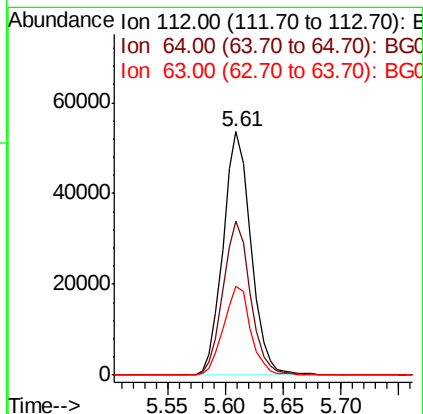
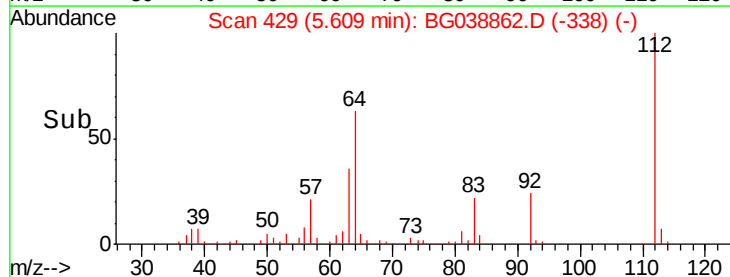
#5

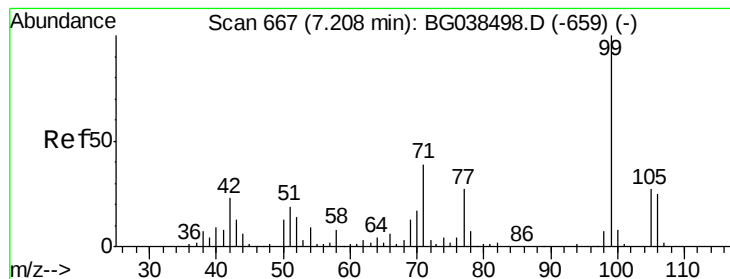
2-Fluorophenol
Concen: 67.283 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038862.D
Acq: 28 Dec 2018 5:08

Tgt Ion:112 Resp: 89845
Ion Ratio Lower Upper
112 100
64 63.3 53.4 80.2
63 36.2 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: 44.821 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038862.D

Acq: 28 Dec 2018 5:08

Instrument :

BNA_G

ClientSampleId :

MWRV-6

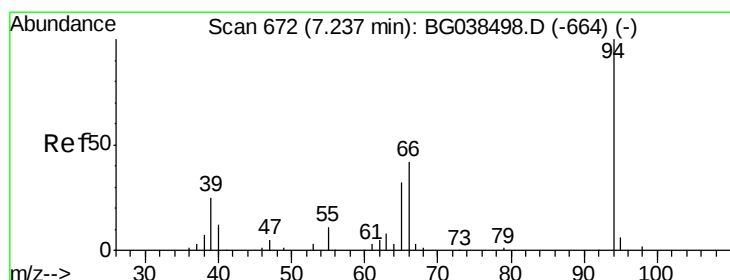
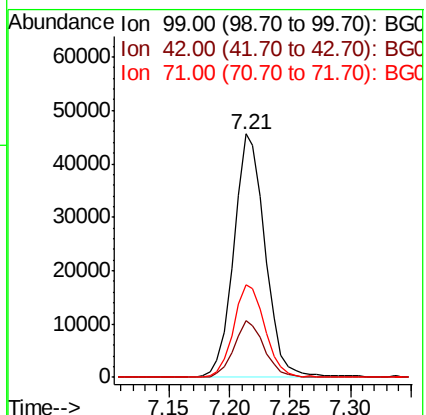
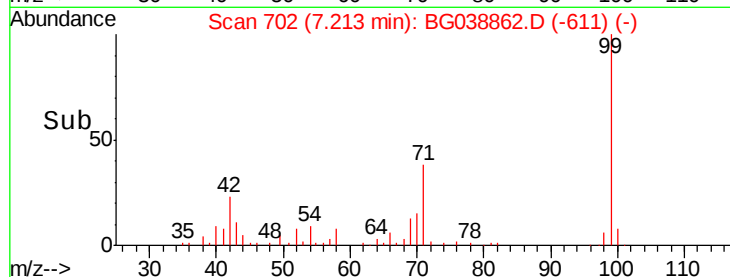
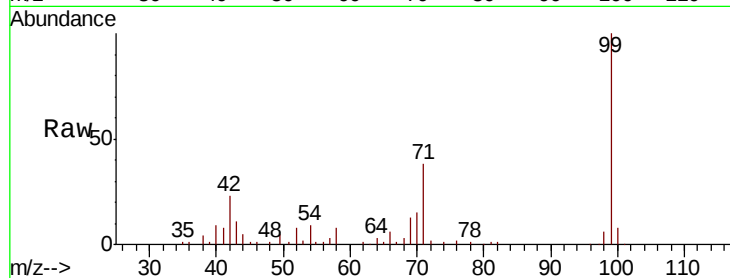
Tot Ion: 99 Resp: 82163

Ion Ratio Lower Upper

99 100

42 23.4 18.5 27.7

71 37.9 31.1 46.7



#10

Phenol

Concen: 2.103 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG038862.D

Acq: 28 Dec 2018 5:08

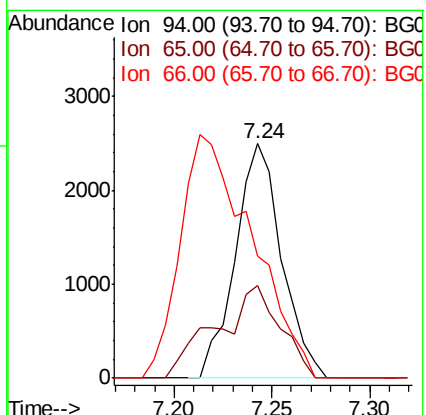
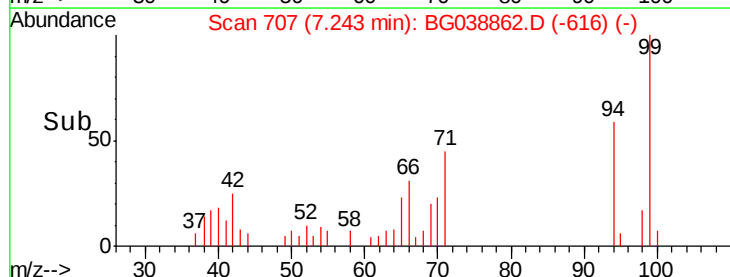
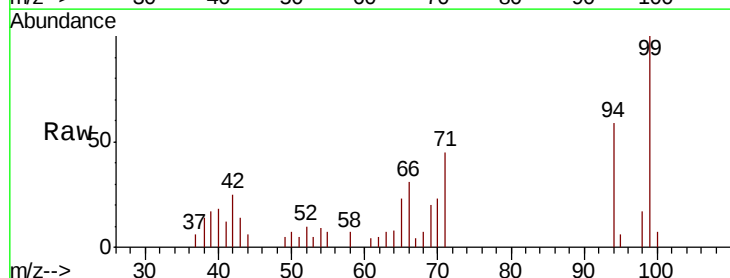
Tgt Ion: 94 Resp: 4096

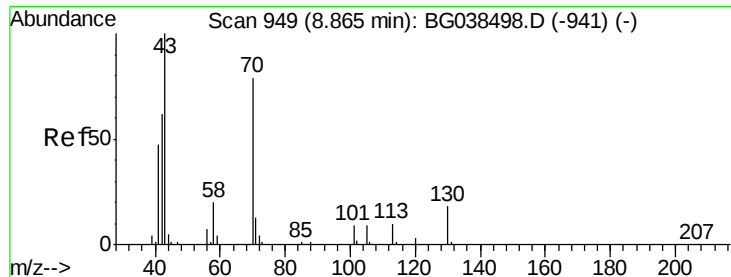
Ion Ratio Lower Upper

94 100

65 39.6 12.6 52.6

66 52.0 24.1 64.1

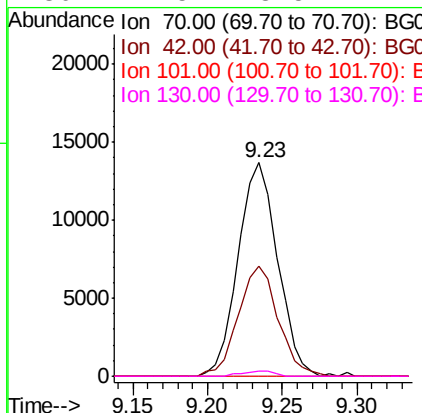
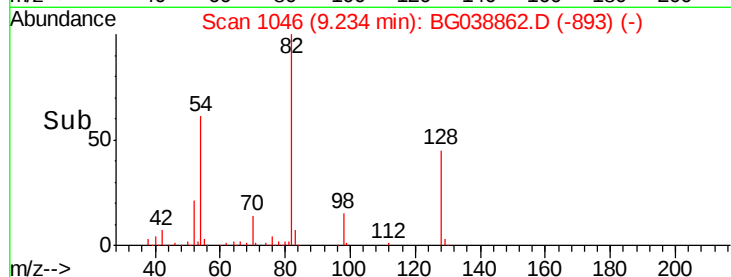
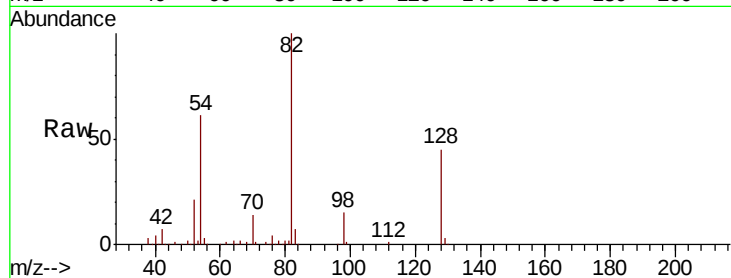




#19
n-Nitroso-di-n-propylamine
Concen: 19.515 ng
RT: 9.23 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038862.D
Acq: 28 Dec 2018 5:08

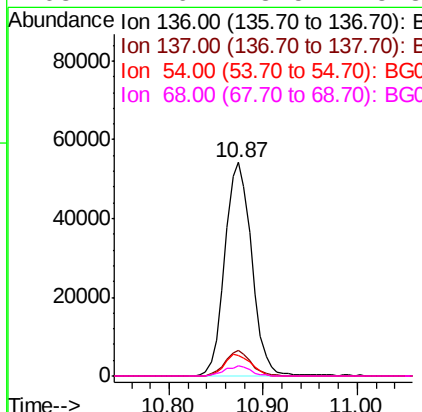
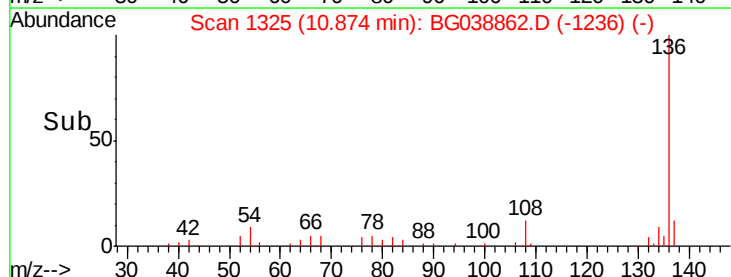
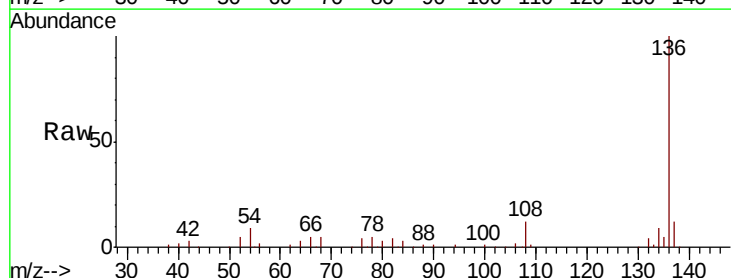
Instrument :
BNA_G
ClientSampleId :
MWRV-6

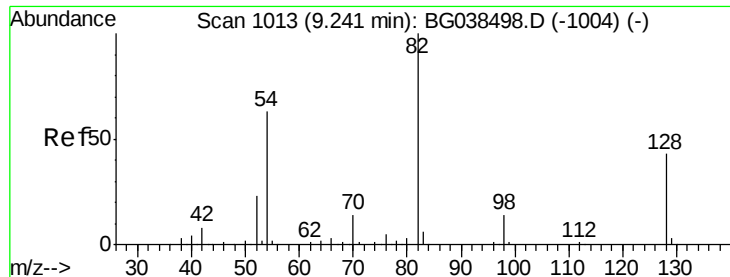
Tot Ion: 70 Resp: 25125
Ion Ratio Lower Upper
70 100
42 51.6 63.6 95.4#
101 0.0 9.2 13.8#
130 2.5 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038862.D
Acq: 28 Dec 2018 5:08

Tgt Ion: 136 Resp: 107814
Ion Ratio Lower Upper
136 100
137 12.2 9.3 13.9
54 9.5 8.5 12.7
68 4.6 3.5 5.3





#23

Nitrobenzene-d5

Concen: 86.364 ng

RT: 9.23 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BG038862.D

Acq: 28 Dec 2018 5:08

Instrument :

BNA_G

ClientSampleId :

MWRV-6

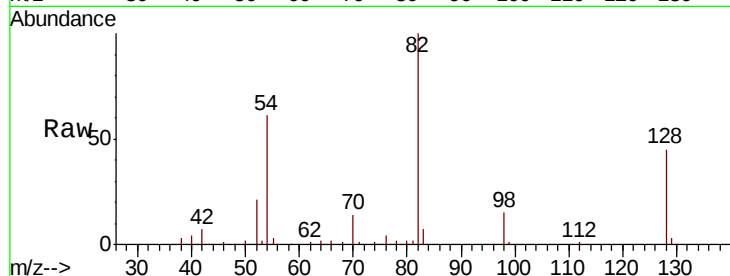
Tot Ion: 82 Resp: 182262

Ion Ratio Lower Upper

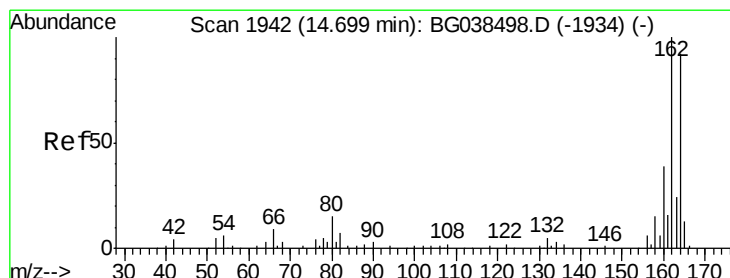
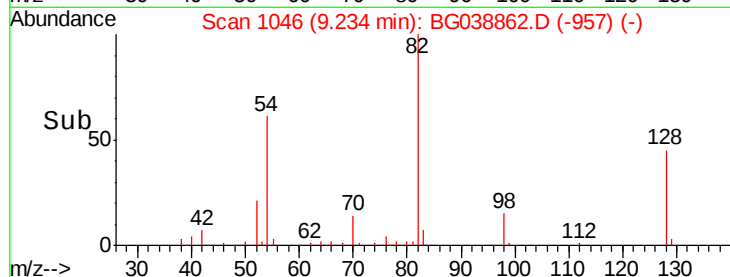
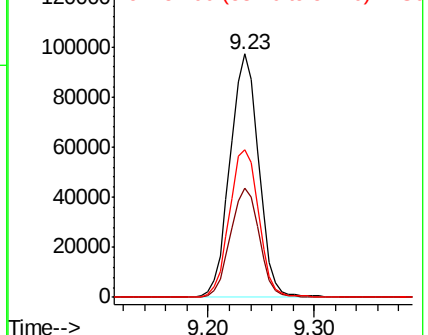
82 100

128 44.6 34.6 52.0

54 60.7 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: BG038862.D

Acq: 28 Dec 2018 5:08

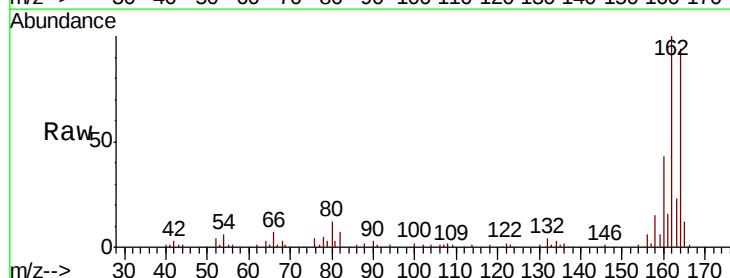
Tgt Ion:164 Resp: 76594

Ion Ratio Lower Upper

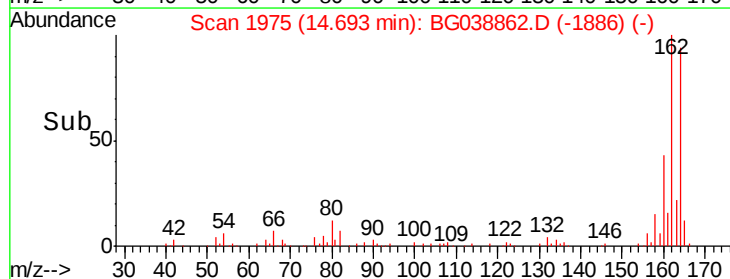
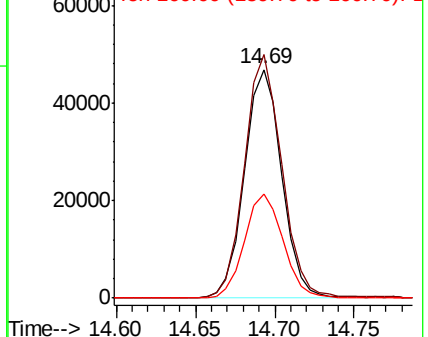
164 100

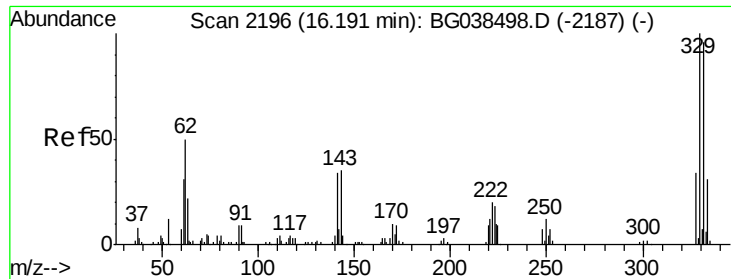
162 106.4 86.6 130.0

160 45.8 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

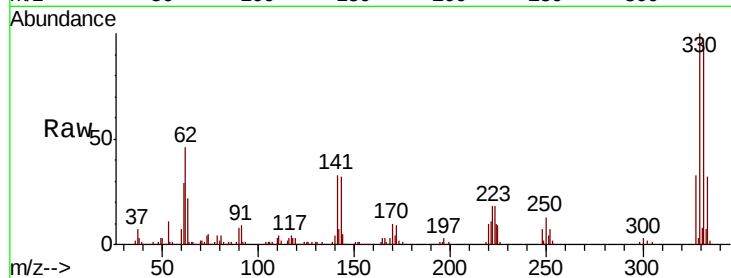




#42
 2,4,6-Tribromophenol
 Concen: 162.421 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BG038862.D
 Acq: 28 Dec 2018 5:08

Instrument :
 BNA_G
 ClientSampled :
 MWRV-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	76.9	115.3
141	32.5	28.8	43.2

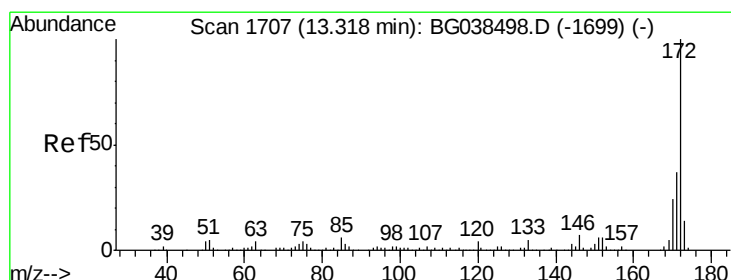
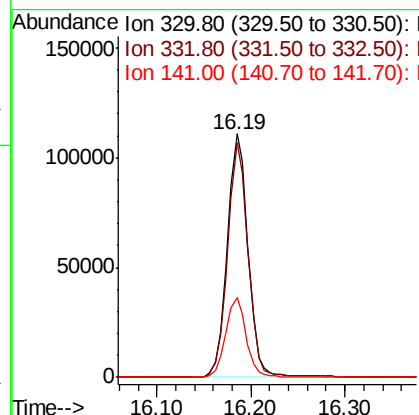
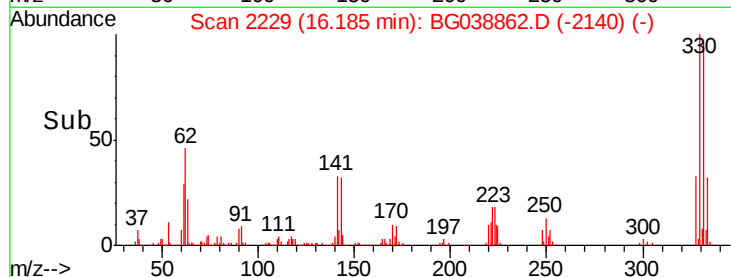


Abundance

Ion 329.80 (329.50 to 330.50): E

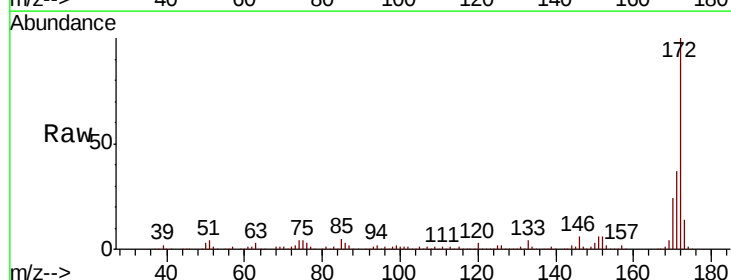
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 97.307 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038862.D
 Acq: 28 Dec 2018 5:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.8	44.6
170	24.3	19.5	29.3

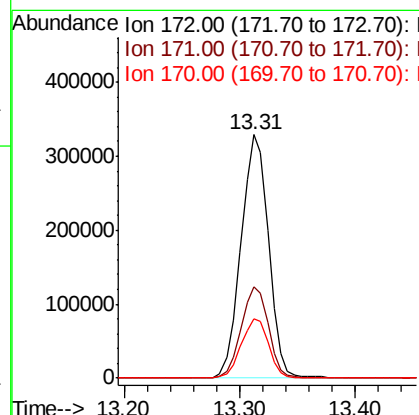
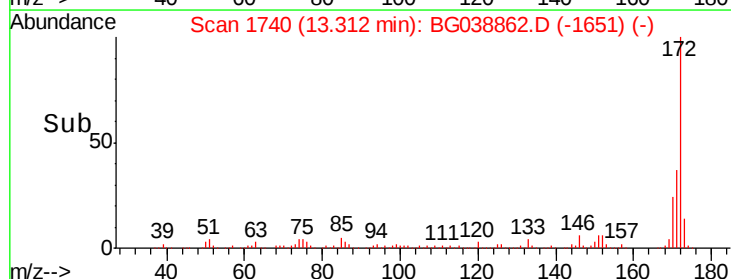


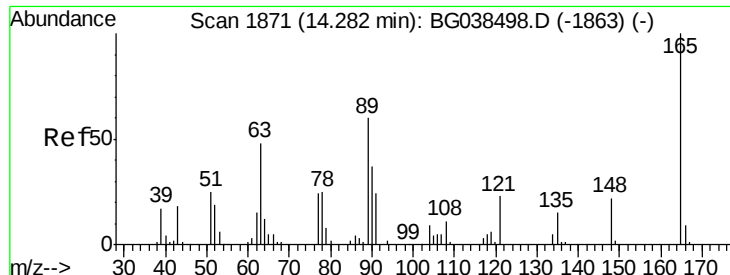
Abundance

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

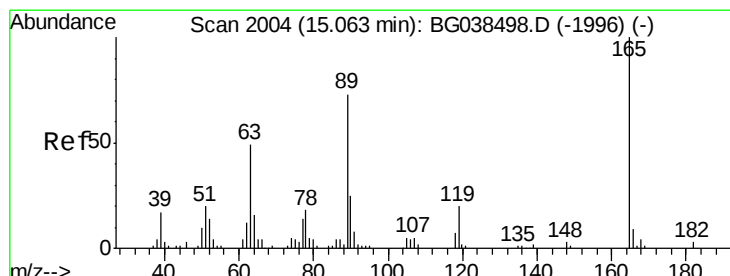
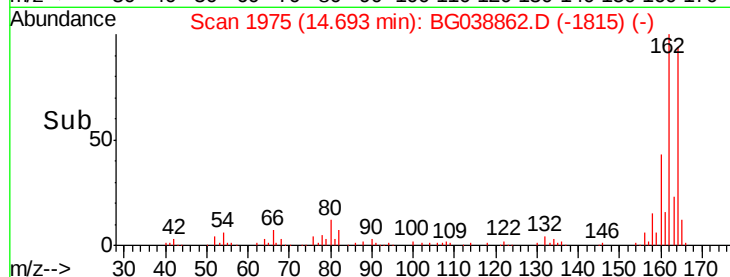
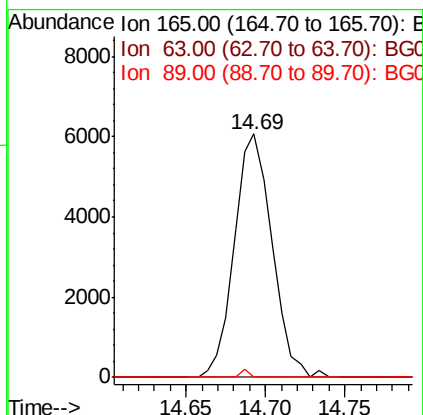
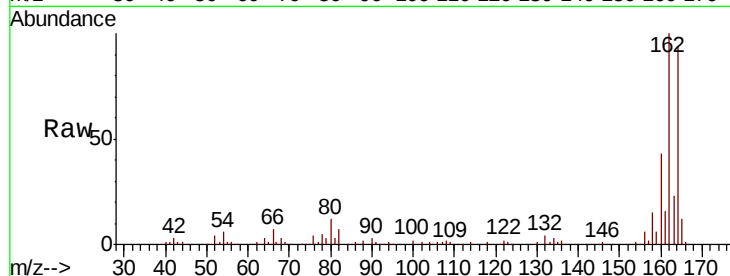




#51
 2,6-Dinitrotoluene
 Concen: 7.043 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038862.D
 Acq: 28 Dec 2018 5:08

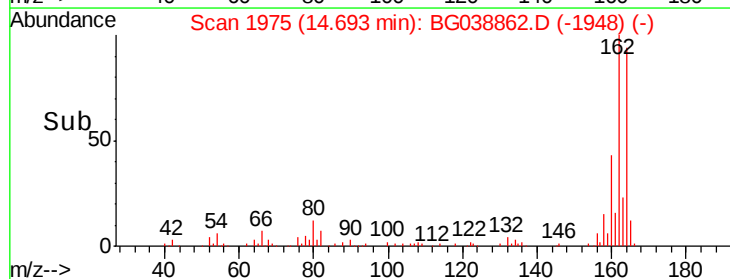
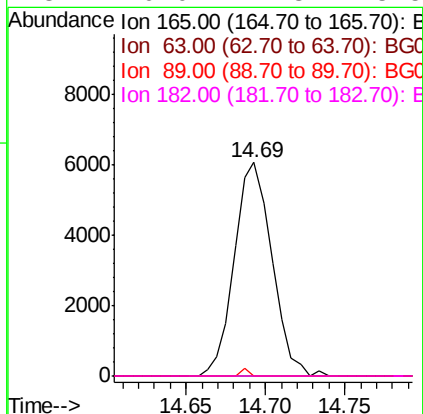
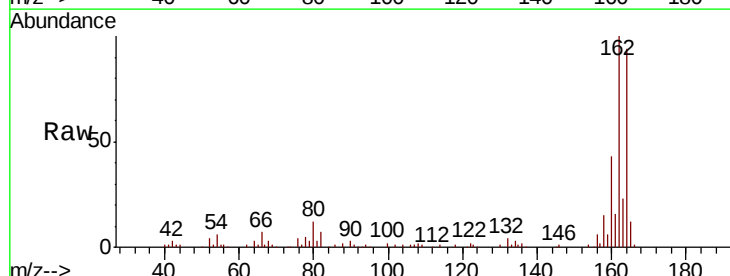
Instrument :
 BNA_G
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 MWRV-6

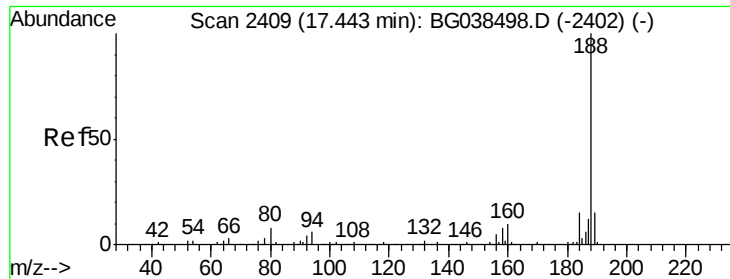
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	0.0	47.9	71.9#



#57
 2,4-Dinitrotoluene
 Concen: 5.000 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038862.D
 Acq: 28 Dec 2018 5:08

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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG038862.D

Acq: 28 Dec 2018 5:08

Instrument :

BNA_G

ClientSampleId :

MWRV-6

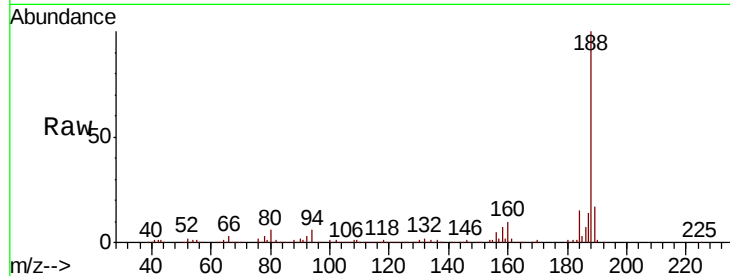
Tot Ion:188 Resp: 176421

Ion Ratio Lower Upper

188 100

94 6.2 5.1 7.7

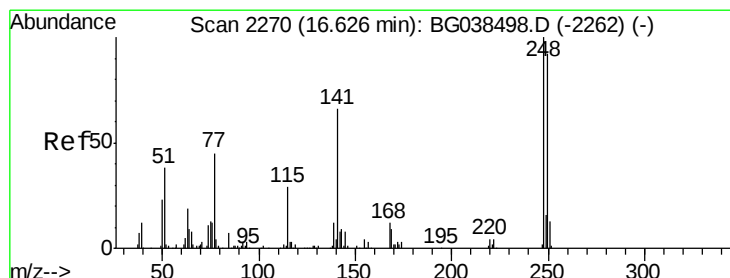
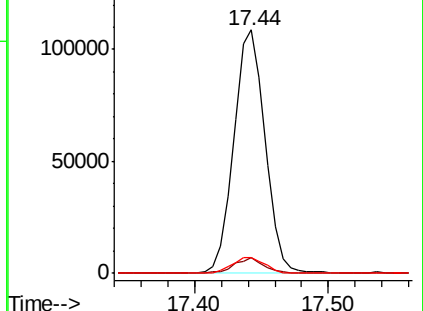
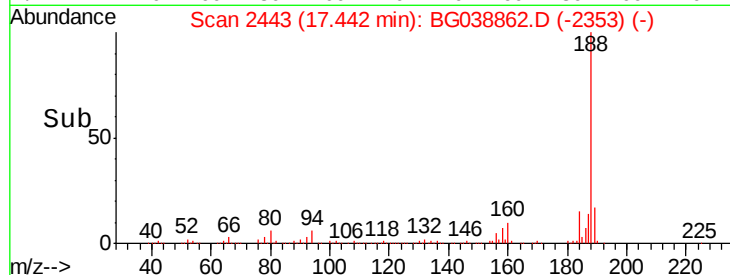
80 6.4 6.1 9.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 5.398 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.44 min

Lab File: BG038862.D

Acq: 28 Dec 2018 5:08

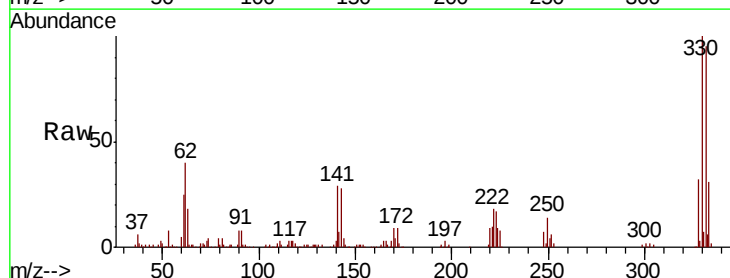
Tgt Ion:248 Resp: 11630

Ion Ratio Lower Upper

248 100

250 184.6 73.4 110.2#

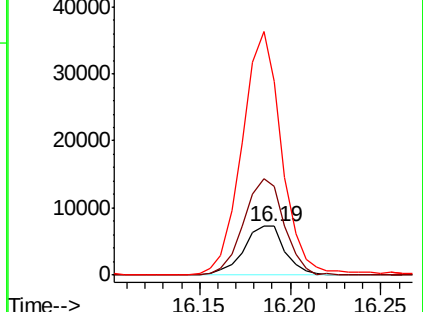
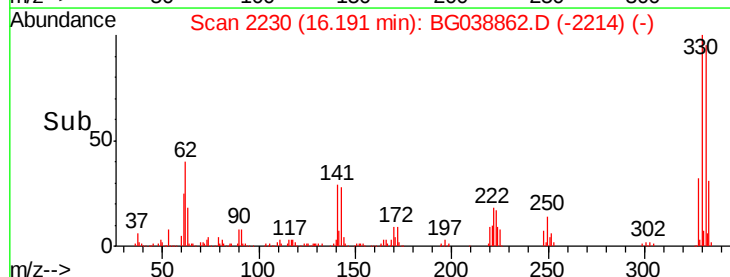
141 314.0 52.9 79.3#

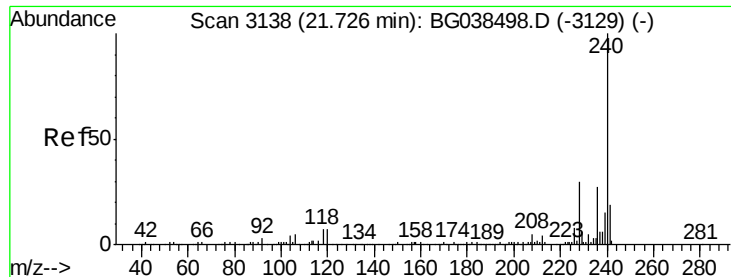


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG038862.D

Acq: 28 Dec 2018 5:08

Instrument :

BNA_G

ClientSampleId :

MWRV-6

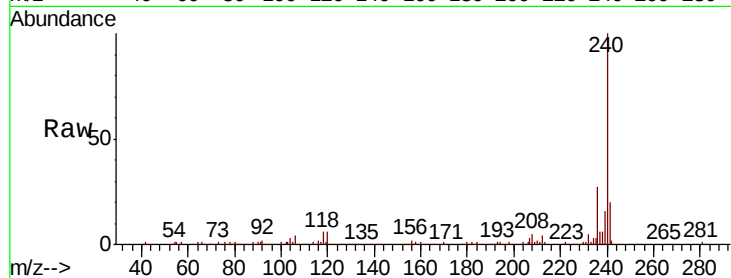
Tot Ion:240 Resp: 185923

Ion Ratio Lower Upper

240 100

120 6.1 5.3 7.9

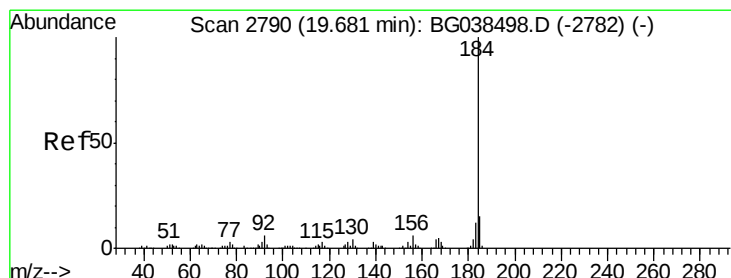
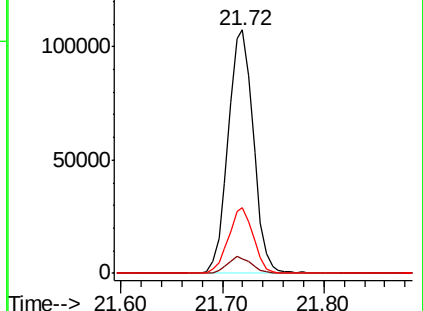
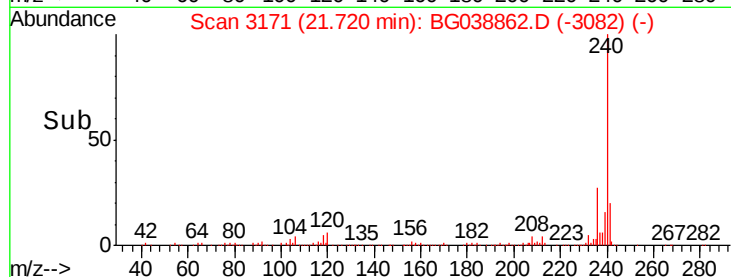
236 26.8 21.4 32.2



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: 2.691 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038862.D

Acq: 28 Dec 2018 5:08

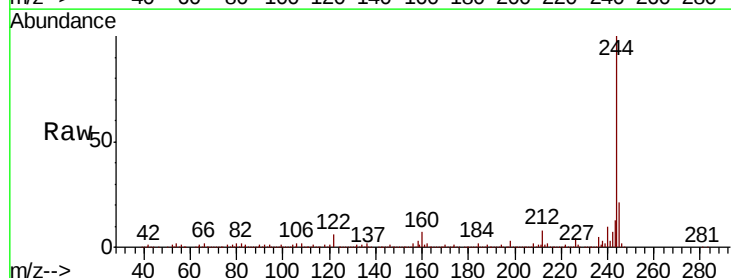
Tgt Ion:184 Resp: 14799

Ion Ratio Lower Upper

184 100

185 19.3 12.2 18.2#

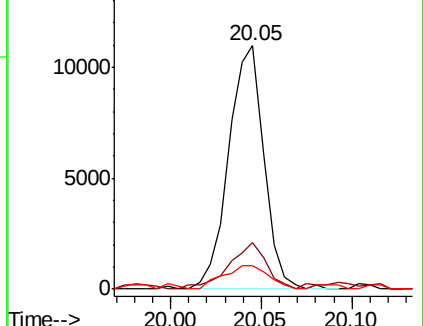
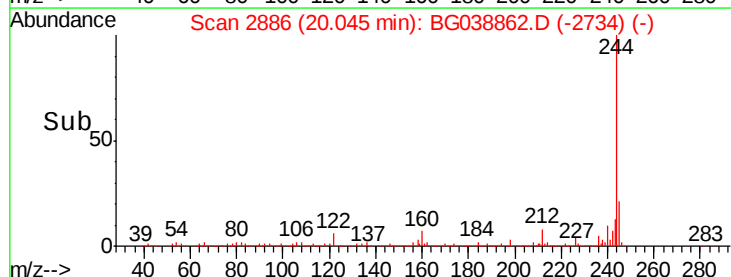
183 9.8 9.6 14.4

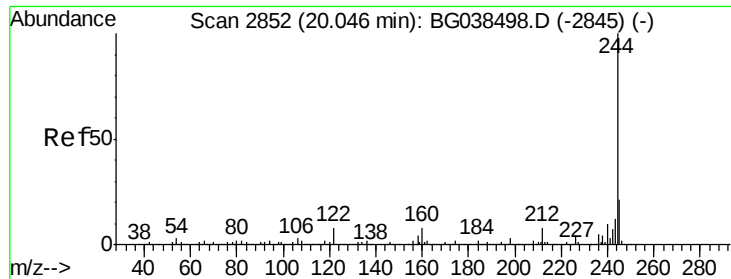


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 105.473 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038862.D

Acq: 28 Dec 2018 5:08

Instrument :

BNA_G

ClientSampleId :

MWRV-6

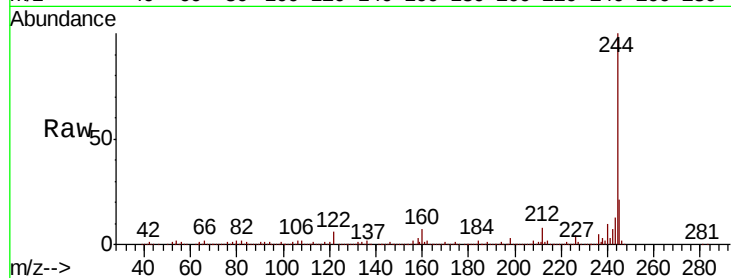
Tot Ion:244 Resp: 901054

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

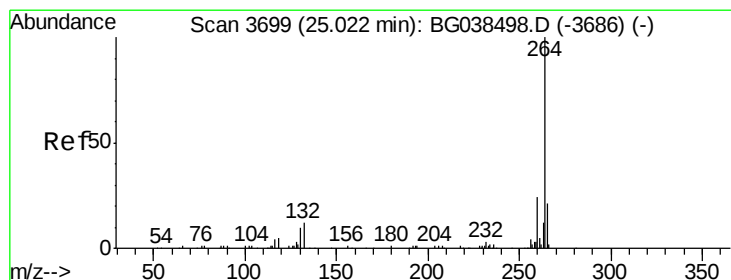
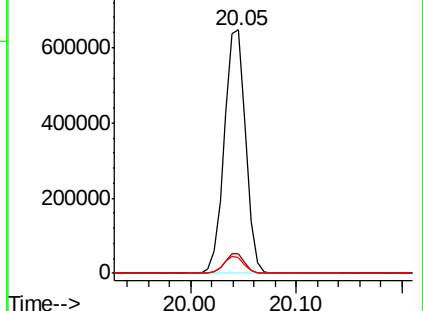
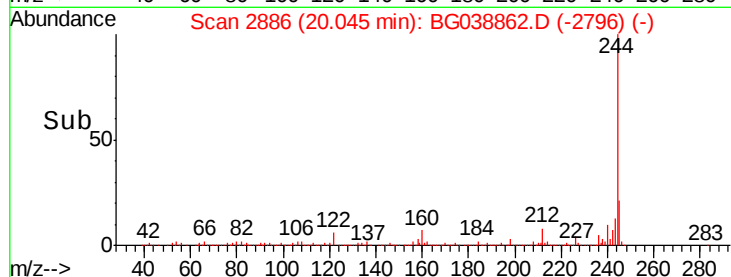
122 6.4 6.3 9.5



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# 3732

Delta R.T. -0.01 min

Lab File: BG038862.D

Acq: 28 Dec 2018 5:08

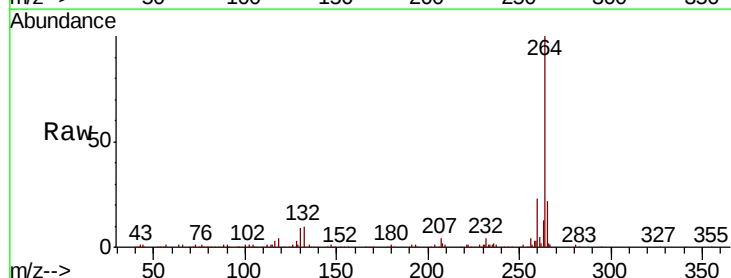
Tgt Ion:264 Resp: 201509

Ion Ratio Lower Upper

264 100

260 23.4 18.9 28.3

265 22.1 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

