

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121918\
 Data File : BG038758.D
 Acq On : 20 Dec 2018 11:33
 Operator : JU/SJ
 Sample : PB115840BL
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 20 12:23:24 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

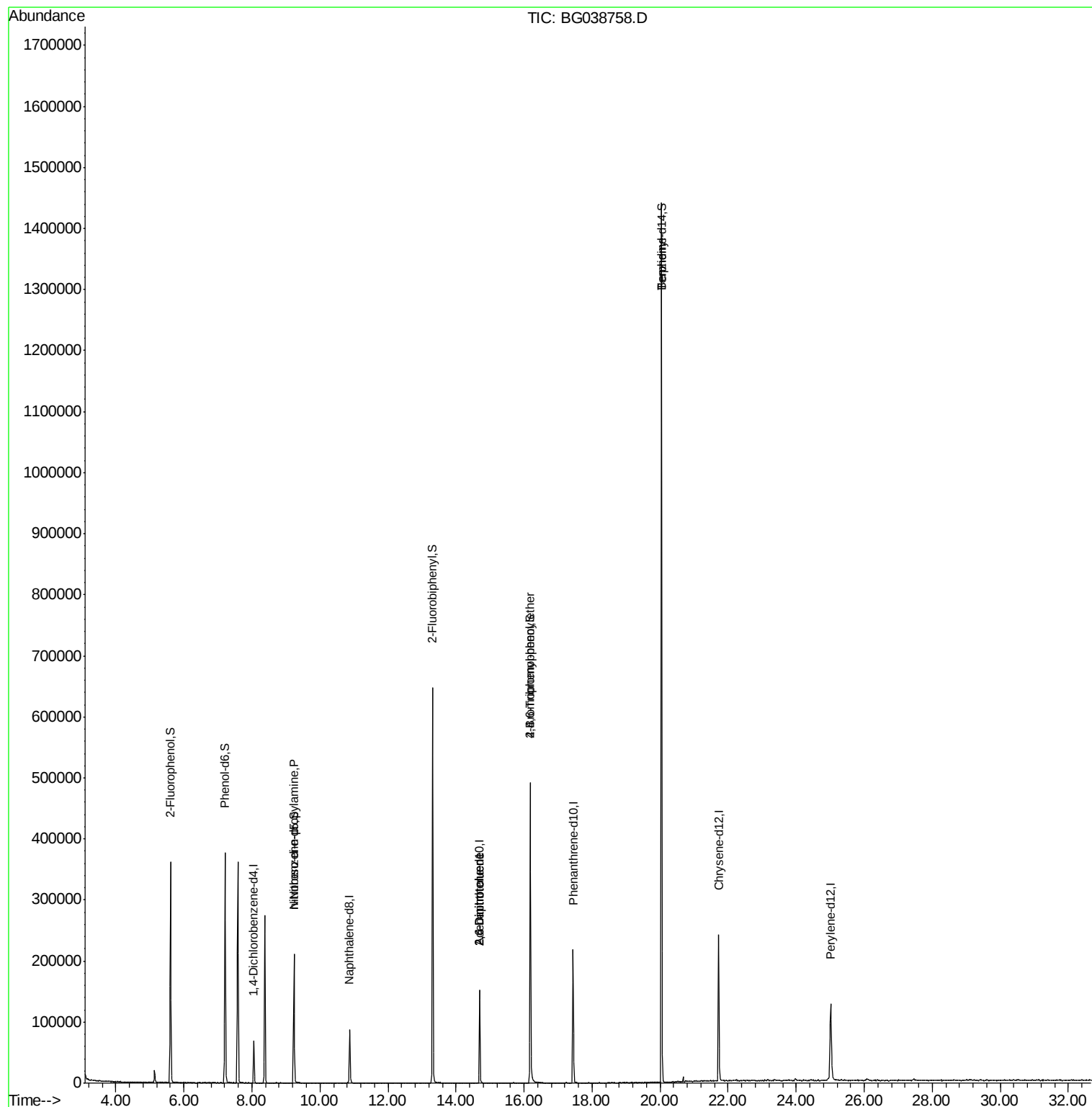
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	20239	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	81104	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	58280	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	154087	20.00	ng	0.00
76) Chrysene-d12	21.71	240	162461	20.00	ng	-0.01
87) Perylene-d12	25.02	264	170271	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	156556	137.20	ng	0.00
7) Phenol-d6	7.21	99	214338	136.83	ng	0.00
23) Nitrobenzene-d5	9.23	82	129778	81.75	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	112257	139.76	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	359374	84.59	ng	0.00
79) Terphenyl-d14	20.04	244	734747	98.43	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	17741	16.125	ng	# 70
51) 2,6-Dinitrotoluene	14.69	165	7567	7.016	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	7567	4.981	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	7070	3.757	ng	# 1
77) Benzidine	20.04	184	12076	2.513	ng	96

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

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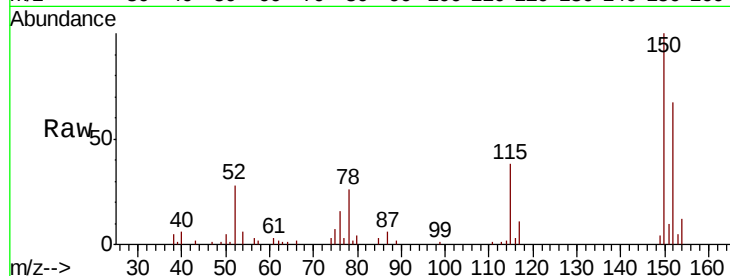


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. 0.00 min
Lab File: BG038758.D
Acq: 20 Dec 2018 11:33

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.2	119.5	179.3
115	56.6	49.6	74.4

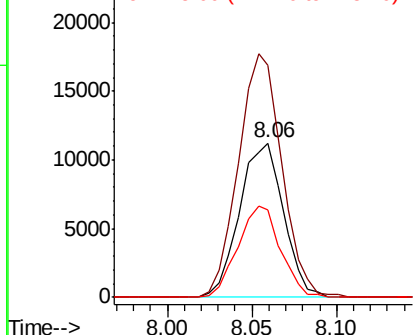
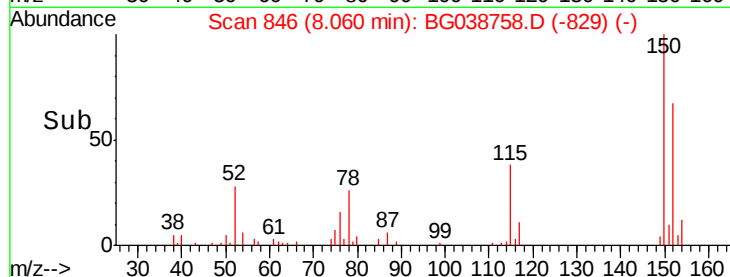


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

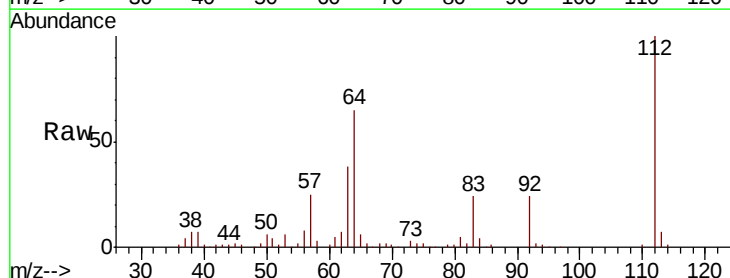
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 137.198 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038758.D
Acq: 20 Dec 2018 11:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	53.4	80.2
63	37.6	29.3	43.9

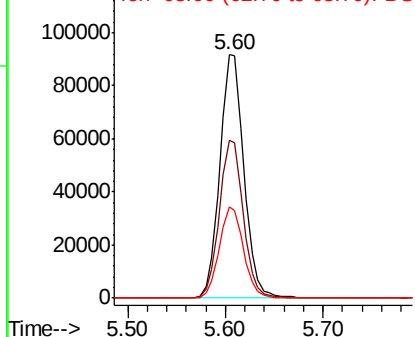
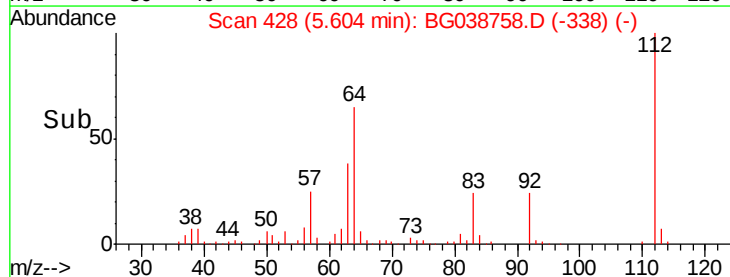


Abundance

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: 136.826 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG038758.D

Acq: 20 Dec 2018 11:33

Instrument :

BNA_G

ClientSampleId :

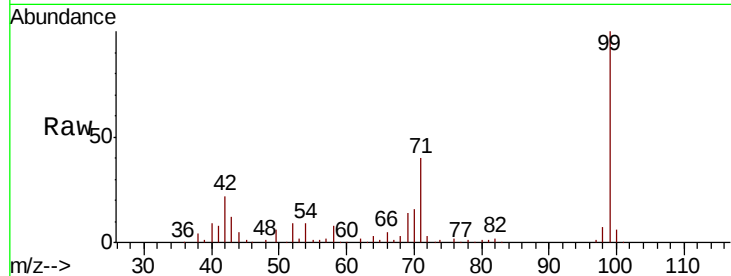
Tot Ion: 99 Resp: 214338

Ion Ratio Lower Upper

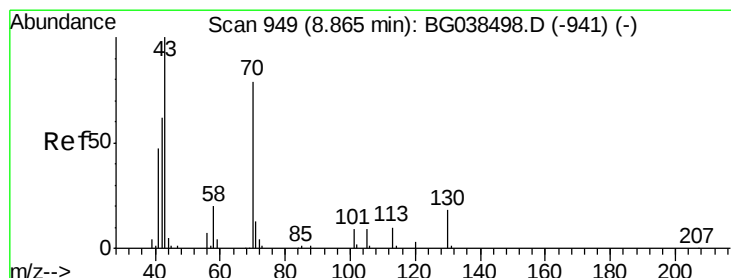
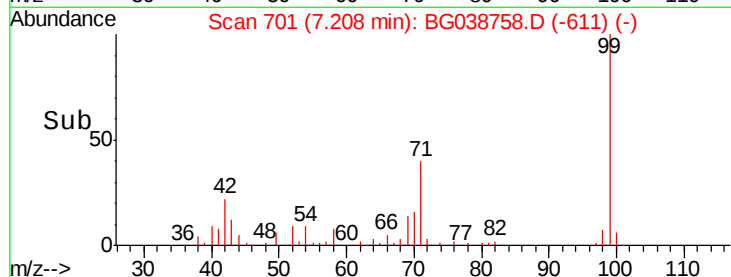
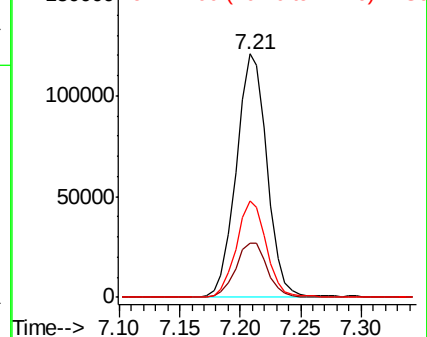
99 100

42 22.2 18.5 27.7

71 39.6 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: 16.125 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038758.D

Acq: 20 Dec 2018 11:33

Tgt Ion: 70 Resp: 17741

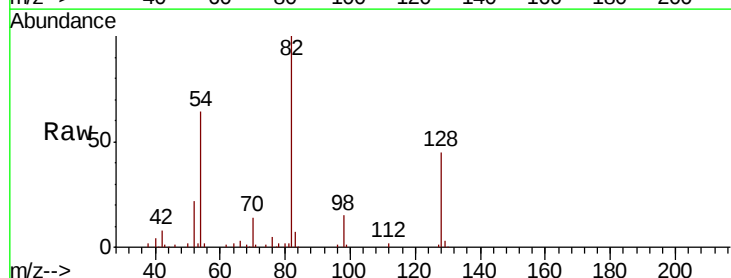
Ion Ratio Lower Upper

70 100

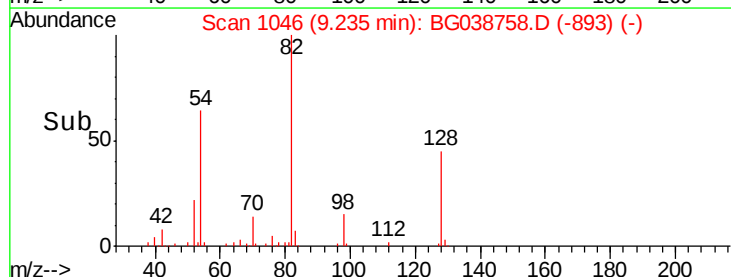
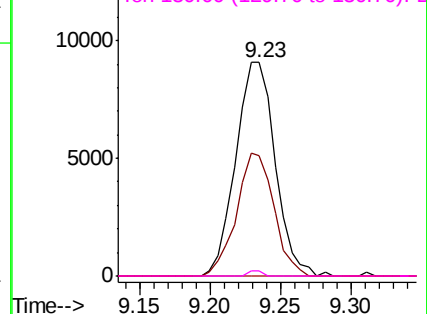
42 56.2 63.6 95.4#

101 0.0 9.2 13.8#

130 2.5 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

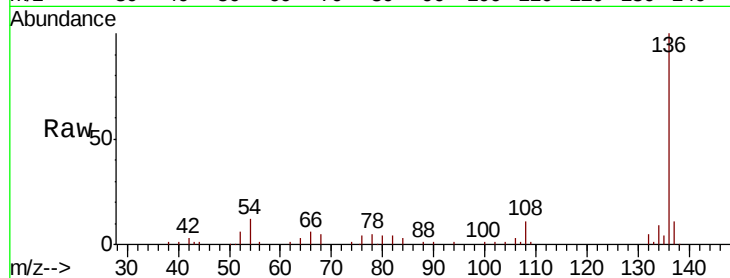




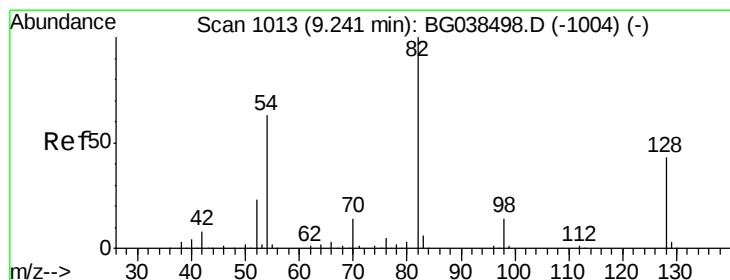
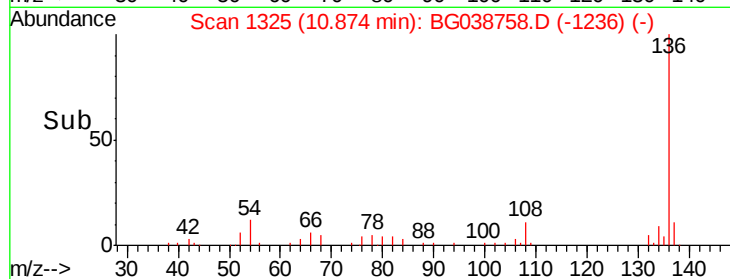
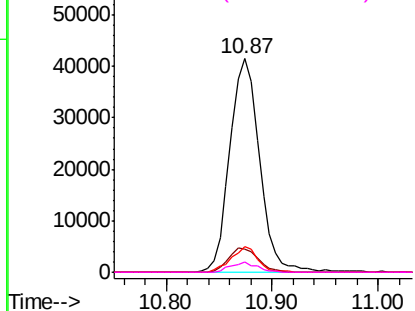
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038758.D
Acq: 20 Dec 2018 11:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	81104
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.3 13.9
54	11.7	8.5 12.7
68	4.9	3.5 5.3

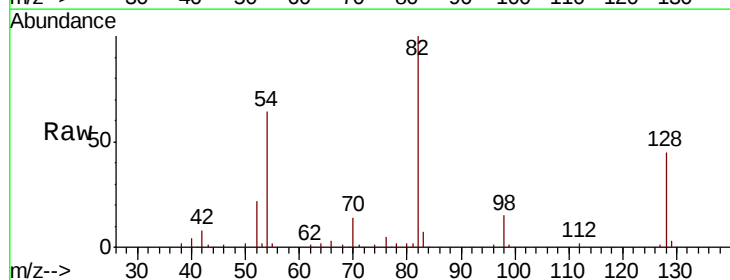


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

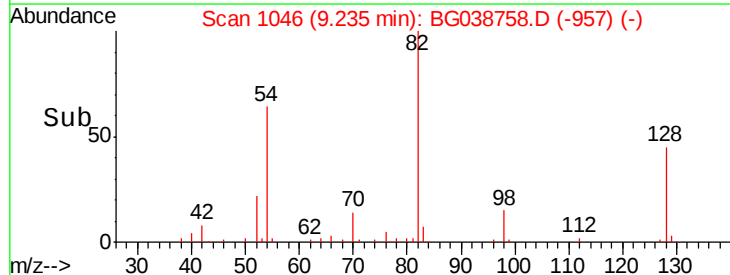
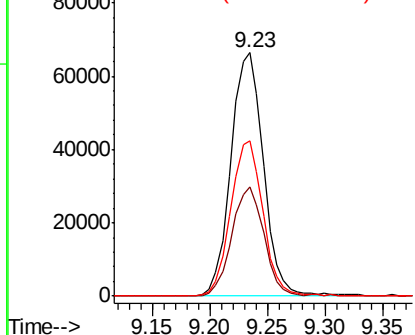


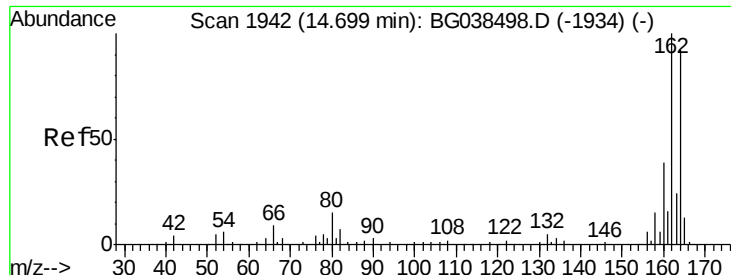
#23
Nitrobenzene-d5
Concen: 81.747 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038758.D
Acq: 20 Dec 2018 11:33

Tgt Ion: 82	Resp:	129778
Ion	Ratio	Lower Upper
82	100	
128	44.6	34.6 52.0
54	64.0	50.6 76.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
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: BG038758.D

Acq: 20 Dec 2018 11:33

Instrument :

BNA_G

ClientSampleId :

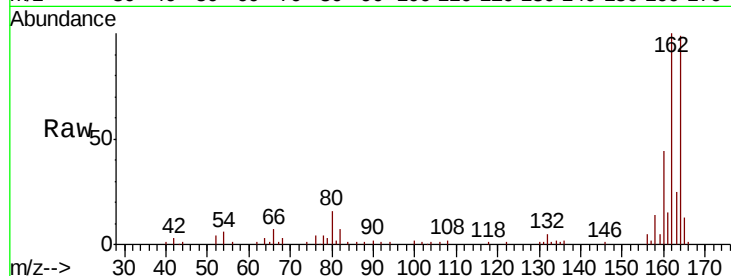
Tot Ion:164 Resp: 58280

Ion Ratio Lower Upper

164 100

162 101.3 86.6 130.0

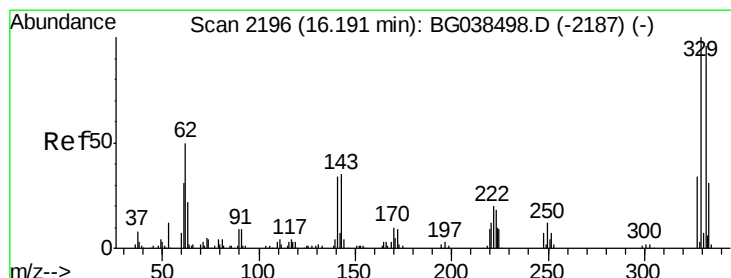
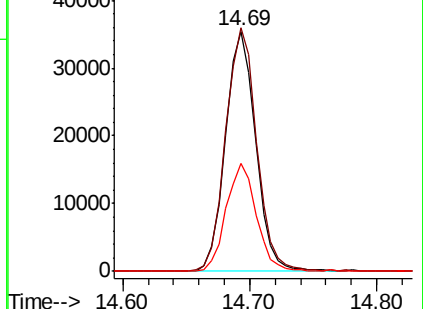
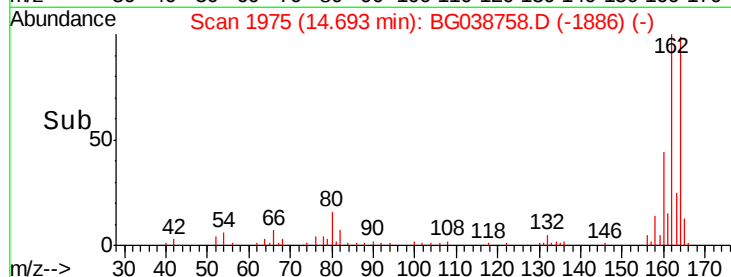
160 44.8 34.2 51.2



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: 139.762 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038758.D

Acq: 20 Dec 2018 11:33

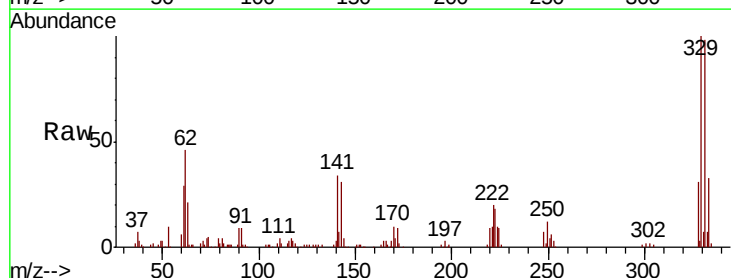
Tgt Ion:330 Resp: 112257

Ion Ratio Lower Upper

330 100

332 95.6 76.9 115.3

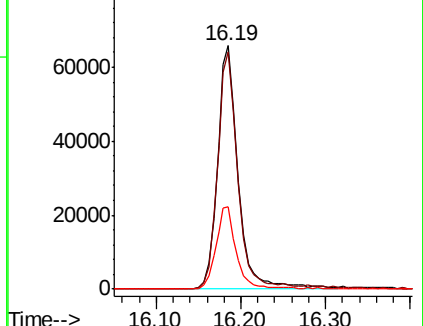
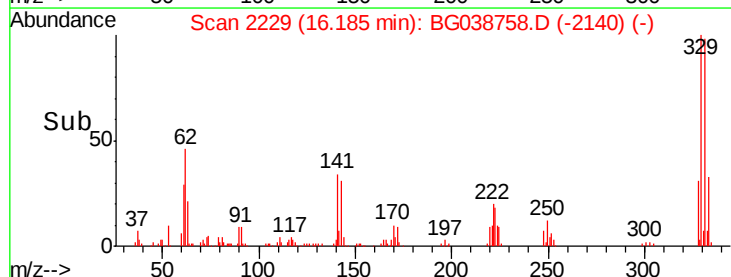
141 32.8 28.8 43.2

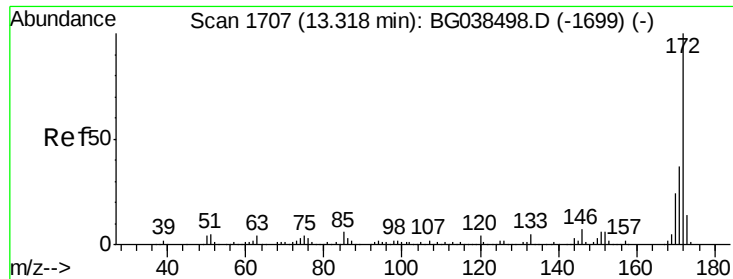


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

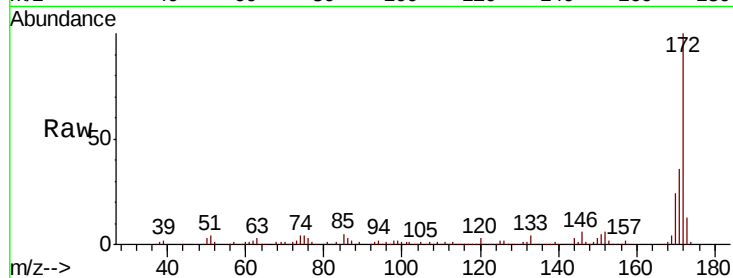




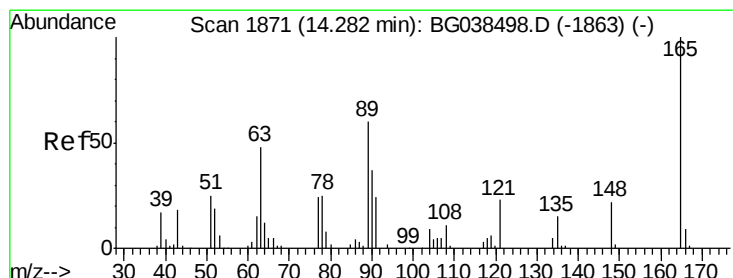
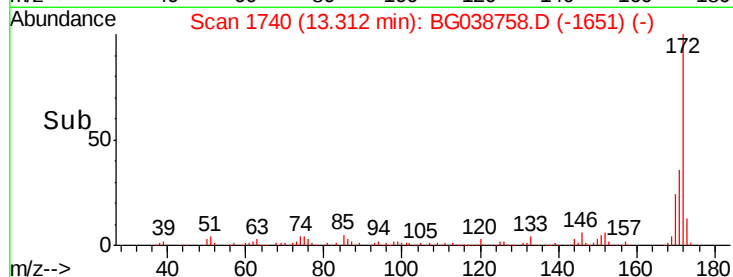
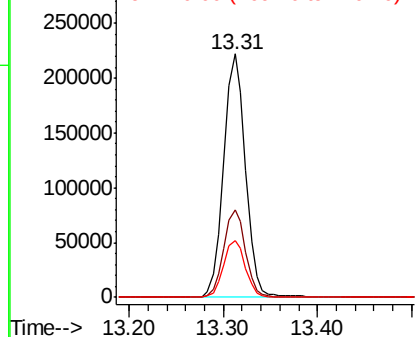
#45
 2-Fluorobiphenyl
 Concen: 84.593 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038758.D
 Acq: 20 Dec 2018 11:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 359374
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.8 44.6
 170 23.5 19.5 29.3

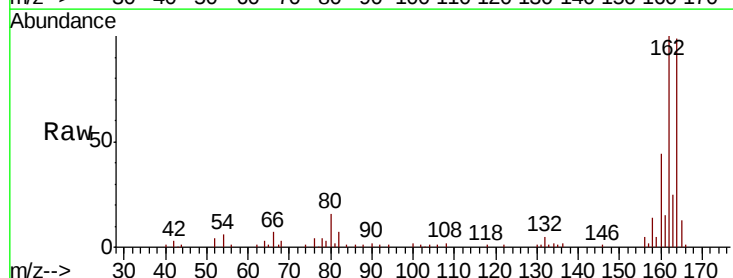


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

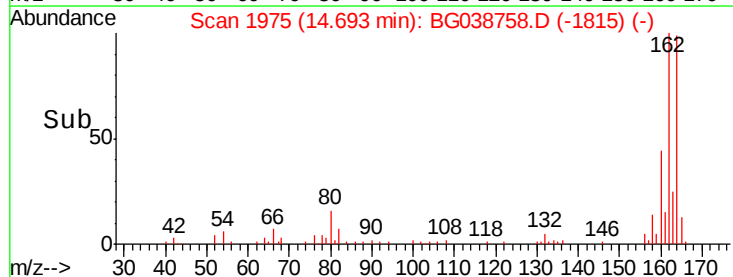
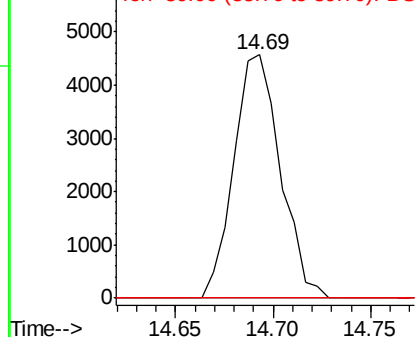


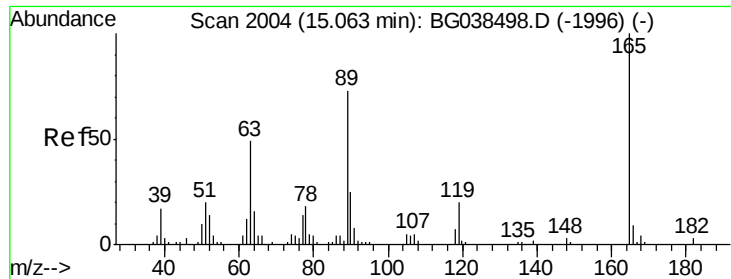
#51
 2,6-Dinitrotoluene
 Concen: 7.016 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038758.D
 Acq: 20 Dec 2018 11:33

Tgt Ion:165 Resp: 7567
 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

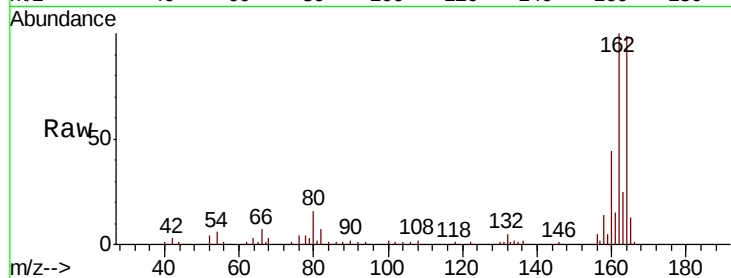




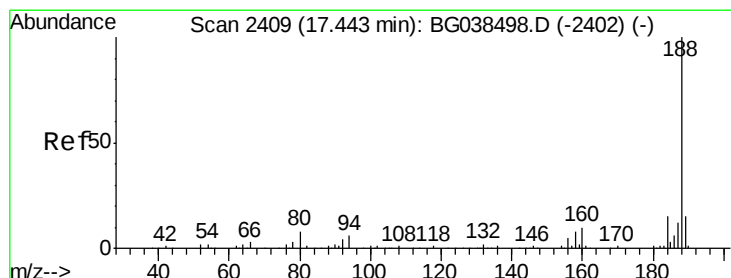
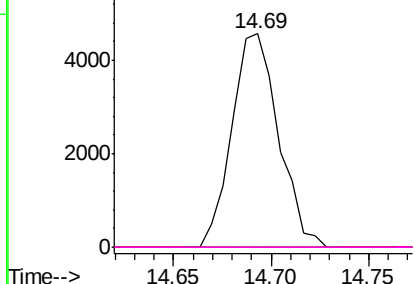
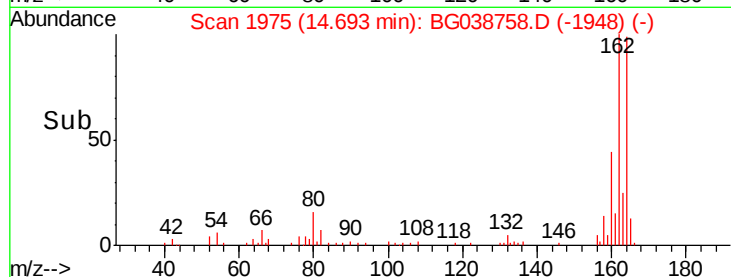
#57
 2,4-Dinitrotoluene
 Concen: 4.981 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038758.D
 Acq: 20 Dec 2018 11:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	7567
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#

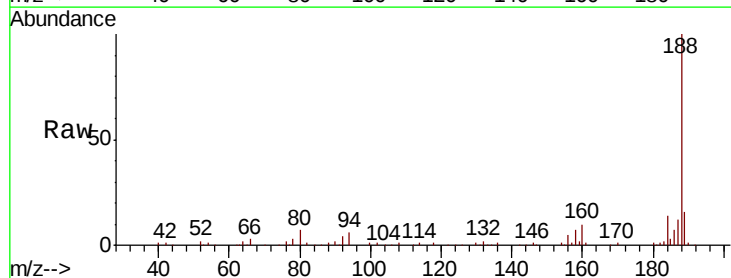


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

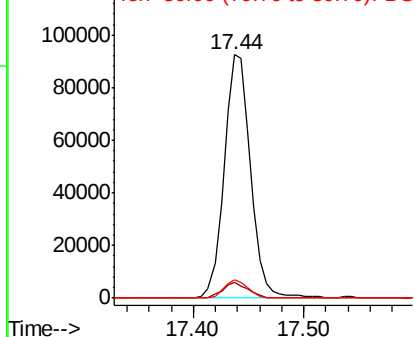
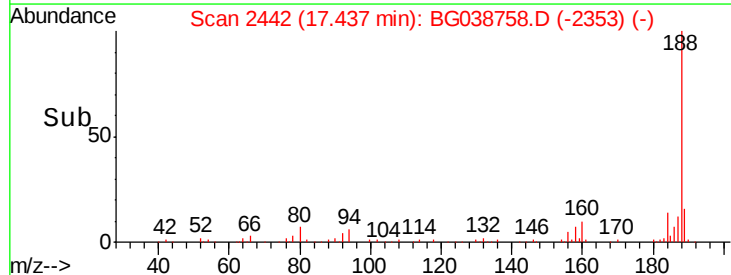


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BG038758.D
 Acq: 20 Dec 2018 11:33

Tgt Ion:188	Resp:	154087
Ion Ratio	Lower	Upper
188	100	
94	6.2	5.1 7.7
80	7.4	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

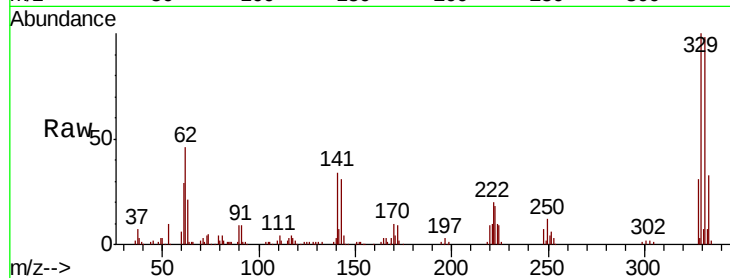




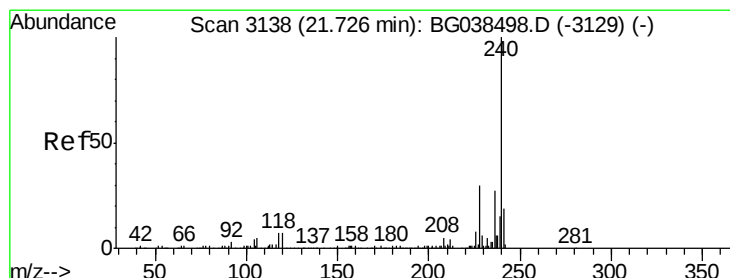
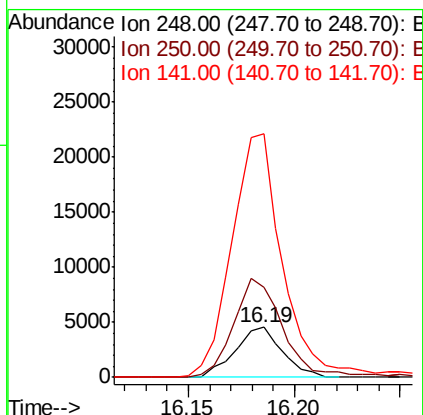
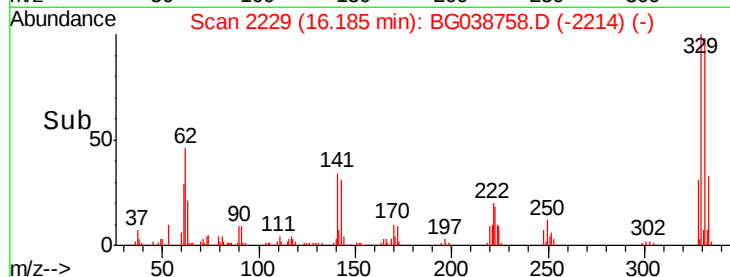
#67
4-Bromophenyl-phenylether
Concen: 3.757 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038758.D
Acq: 20 Dec 2018 11:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 7070
Ion Ratio Lower Upper
248 100
250 190.5 73.4 110.2#
141 386.9 52.9 79.3#

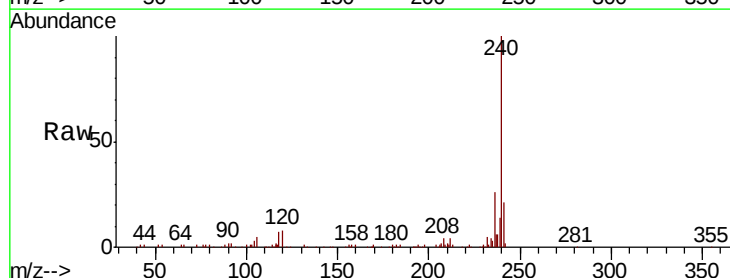


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

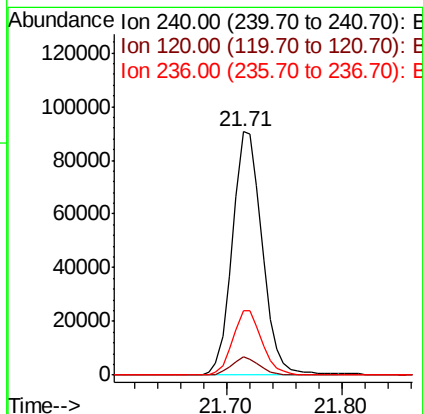
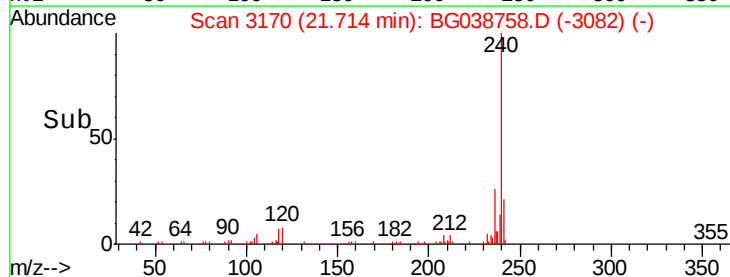


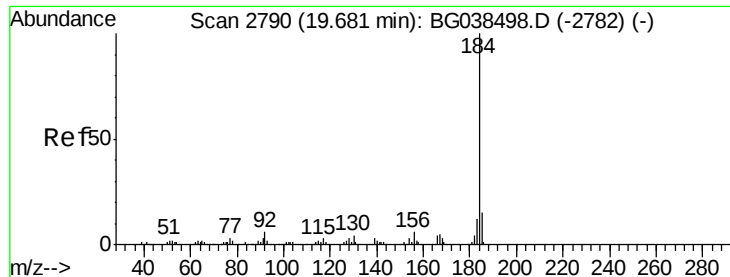
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3170
Delta R.T. -0.01 min
Lab File: BG038758.D
Acq: 20 Dec 2018 11:33

Tgt Ion:240 Resp: 162461
Ion Ratio Lower Upper
240 100
120 7.5 5.3 7.9
236 26.3 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: 2.513 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038758.D

Acq: 20 Dec 2018 11:33

Instrument :

BNA_G

ClientSampleId :

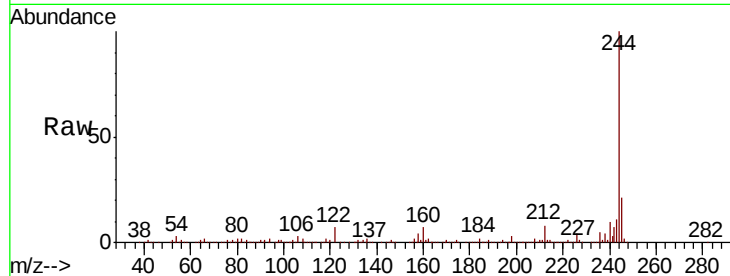
Tot Ion:184 Resp: 12076

Ion Ratio Lower Upper

184 100

185 17.6 12.2 18.2

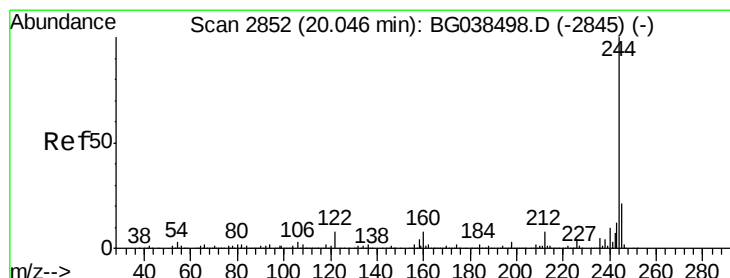
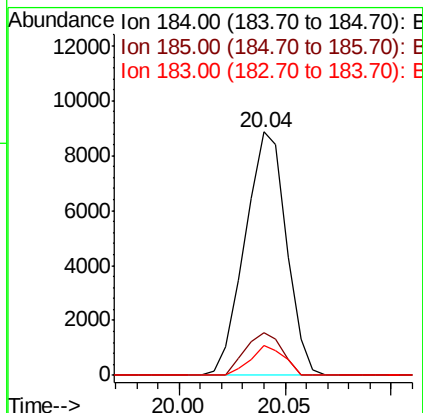
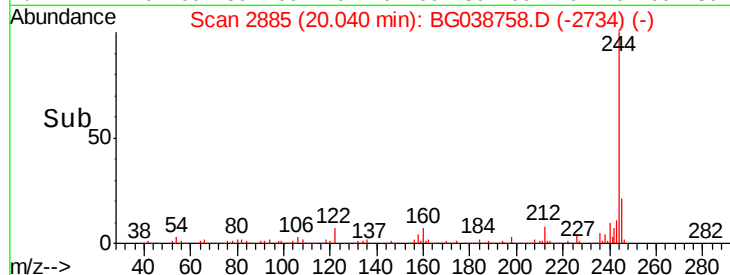
183 12.5 9.6 14.4



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: 98.427 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038758.D

Acq: 20 Dec 2018 11:33

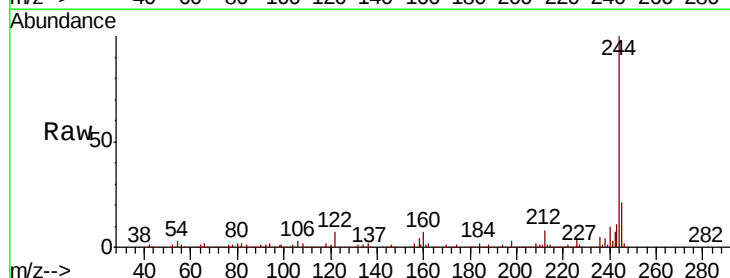
Tgt Ion:244 Resp: 734747

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

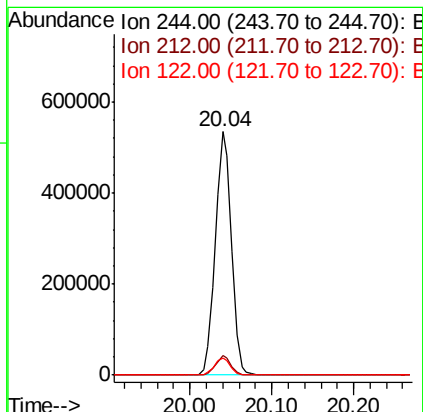
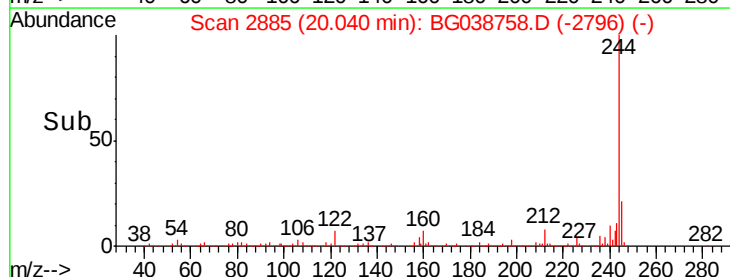
122 7.2 6.3 9.5

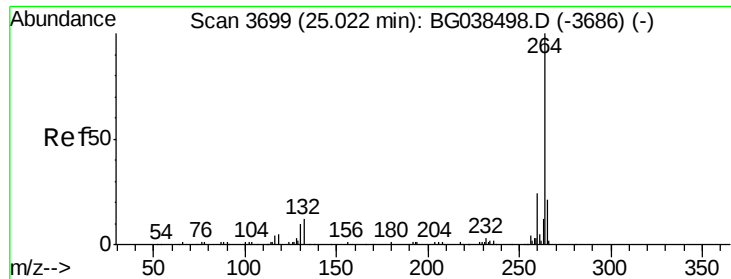


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

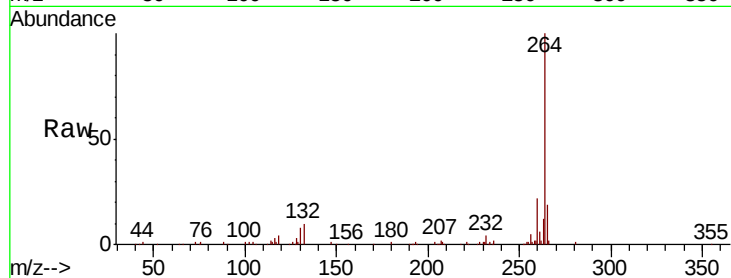




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.02 min Scan# 3732
 Delta R.T. -0.01 min
 Lab File: BG038758.D
 Acq: 20 Dec 2018 11:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.6	18.9	28.3
265	18.8	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

