

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121918\
 Data File : BG038729.D
 Acq On : 19 Dec 2018 16:26
 Operator : JU/SJ
 Sample : J6398-16
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C-MW-10-121118

Quant Time: Dec 20 10:34:00 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

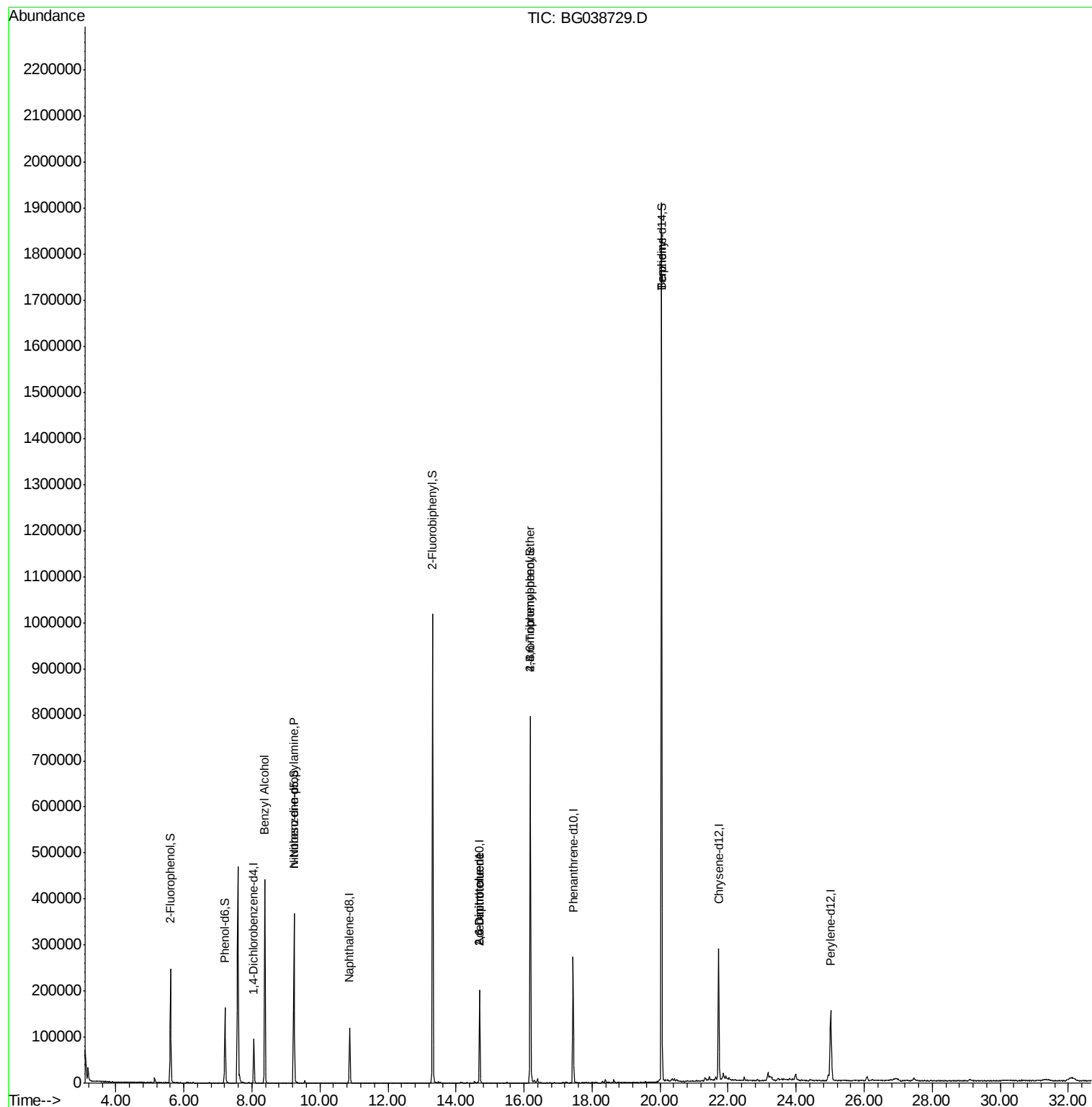
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	28368	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	109823	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	73506	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	181630	20.00	ng	0.00
76) Chrysene-d12	21.72	240	184647	20.00	ng	0.00
87) Perylene-d12	25.01	264	196147	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	109865	68.69	ng	0.00
7) Phenol-d6	7.21	99	93302	42.49	ng	0.00
23) Nitrobenzene-d5	9.24	82	218158	101.48	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	168584	166.41	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	558041	104.15	ng	0.00
79) Terphenyl-d14	20.04	244	949730	111.94	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.38	79	3686	2.151	ng	# 40
19) n-Nitroso-di-n-propylamine	9.24	70	30180	19.570	ng	# 69
51) 2,6-Dinitrotoluene	14.69	165	9528	7.004	ng	# 21
57) 2,4-Dinitrotoluene	14.69	165	9528	4.973	ng	# 23
67) 4-Bromophenyl-phenylether	16.18	248	11151	5.027	ng	# 1
77) Benzidine	20.04	184	16256	2.977	ng	# 95

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

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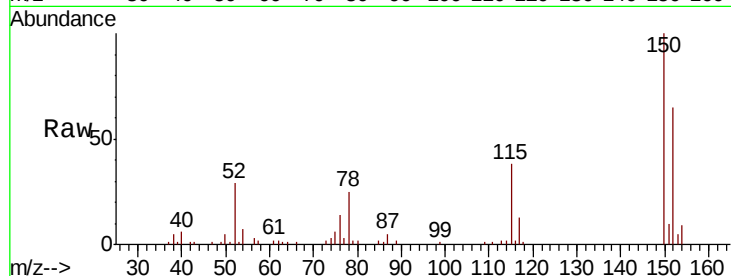


#1

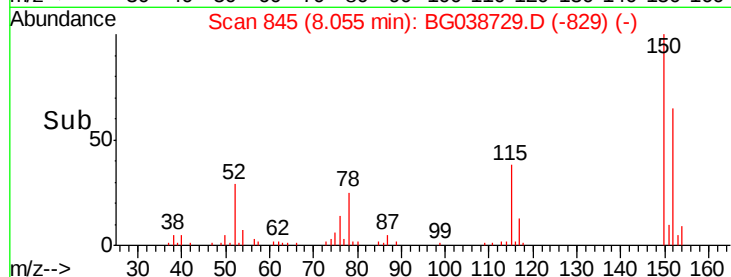
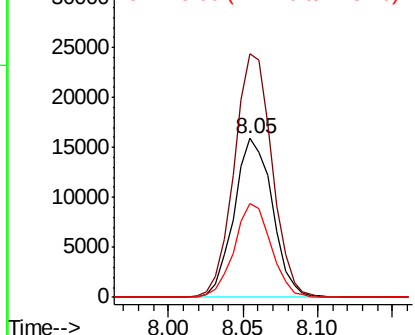
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG038729.D
Acq: 19 Dec 2018 16:26

Instrument :
BNA_G
ClientSampleId :
C-MW-10-121118

Tot Ion:152 Resp: 28368
Ion Ratio Lower Upper
152 100
150 153.1 119.5 179.3
115 58.9 49.6 74.4



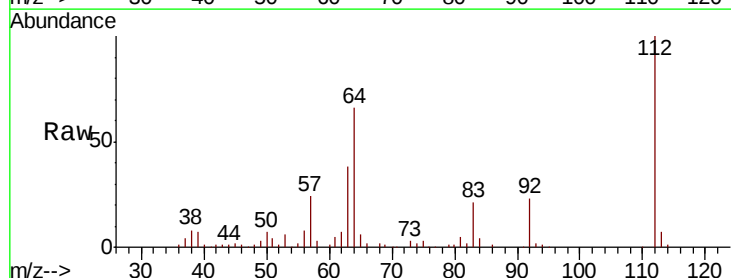
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



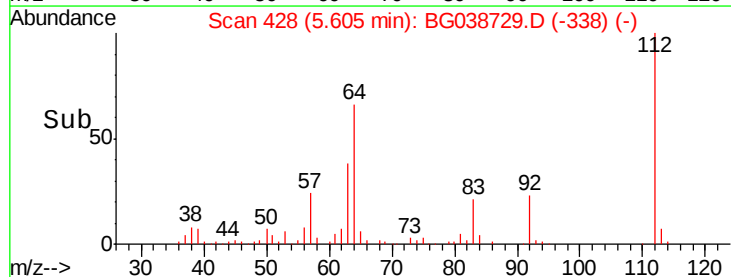
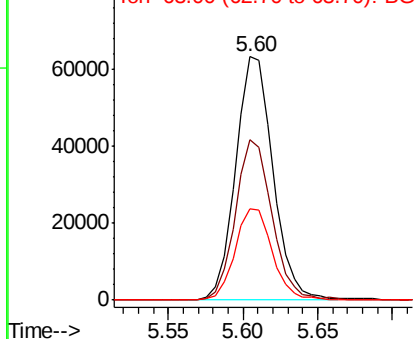
#5

2-Fluorophenol
Concen: 68.691 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038729.D
Acq: 19 Dec 2018 16:26

Tgt Ion:112 Resp: 109865
Ion Ratio Lower Upper
112 100
64 65.7 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: 42.493 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG038729.D

Acq: 19 Dec 2018 16:26

Instrument :

BNA_G

ClientSampleId :

C-MW-10-121118

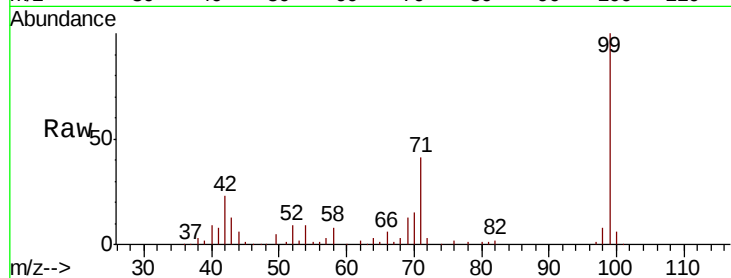
Tot Ion: 99 Resp: 93302

Ion Ratio Lower Upper

99 100

42 22.9 18.5 27.7

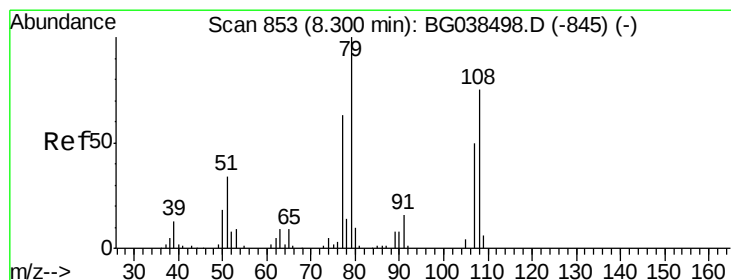
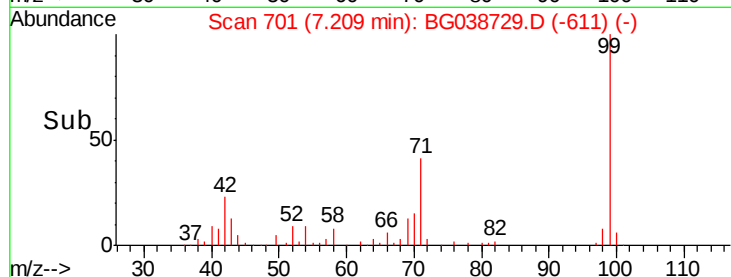
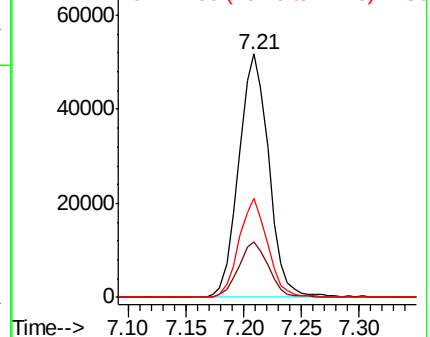
71 40.6 31.1 46.7



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



#15

Benzyl Alcohol

Concen: 2.151 ng

RT: 8.38 min Scan# 900

Delta R.T. 0.08 min

Lab File: BG038729.D

Acq: 19 Dec 2018 16:26

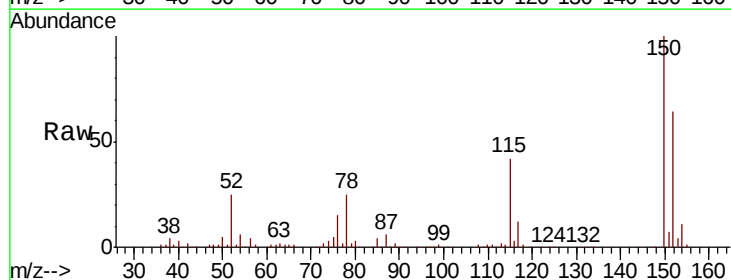
Tgt Ion: 79 Resp: 3686

Ion Ratio Lower Upper

79 100

108 31.8 60.2 90.4#

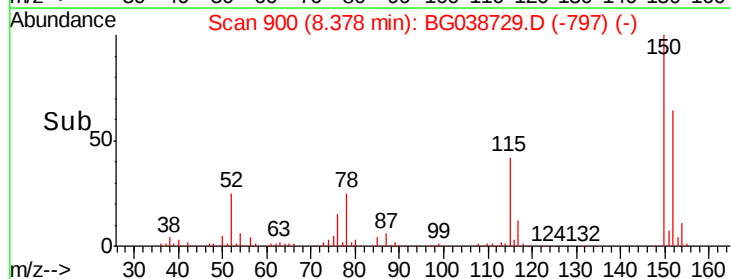
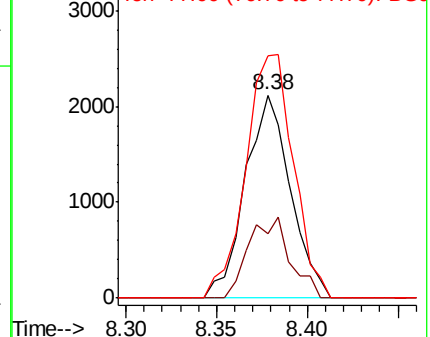
77 119.0 50.7 76.1#

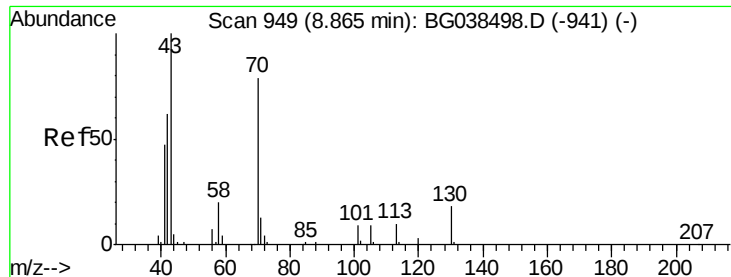


Abundance Ion 79.00 (78.70 to 79.70): BGC

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: 19.570 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038729.D

Acq: 19 Dec 2018 16:26

Instrument :

BNA_G

ClientSampleId :

C-MW-10-121118

Tot Ion: 70 Resp: 30180

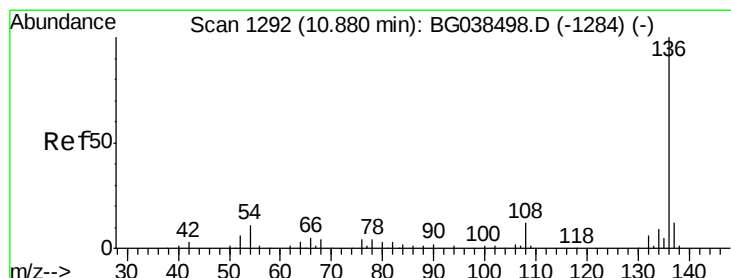
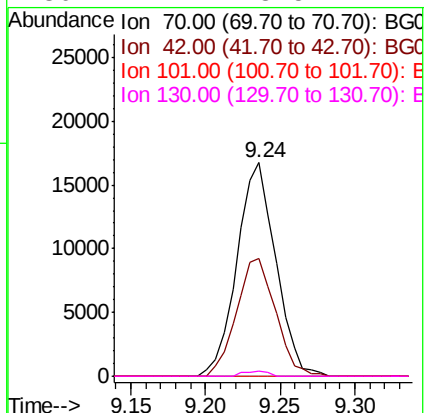
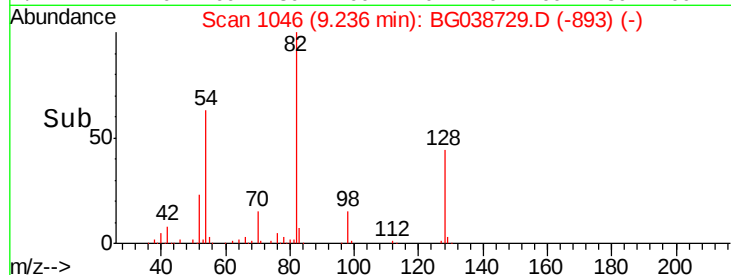
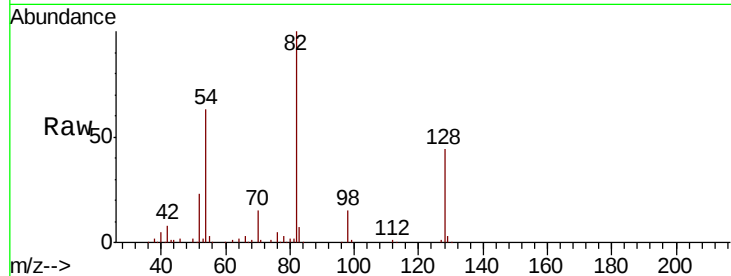
Ion Ratio Lower Upper

70 100

42 55.2 63.6 95.4#

101 0.0 9.2 13.8#

130 2.2 18.5 27.7#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.88 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BG038729.D

Acq: 19 Dec 2018 16:26

Tgt Ion: 136 Resp: 109823

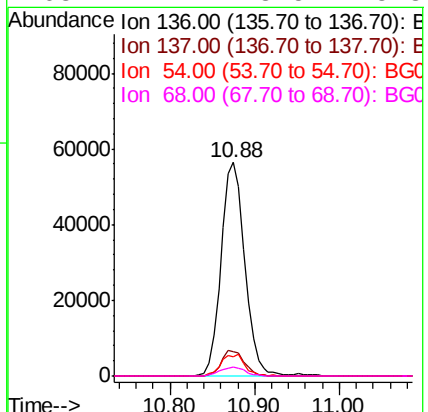
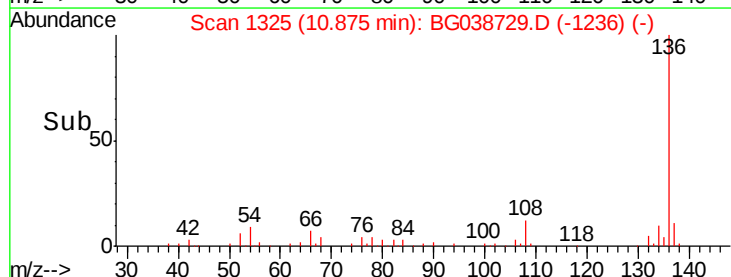
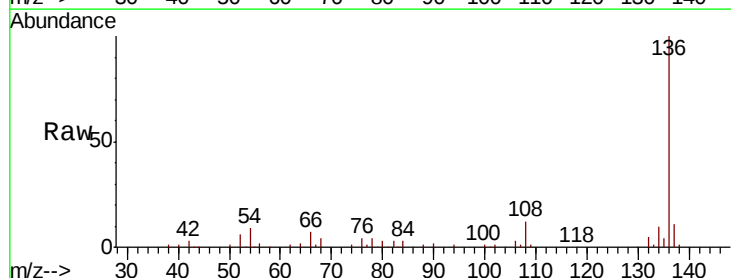
Ion Ratio Lower Upper

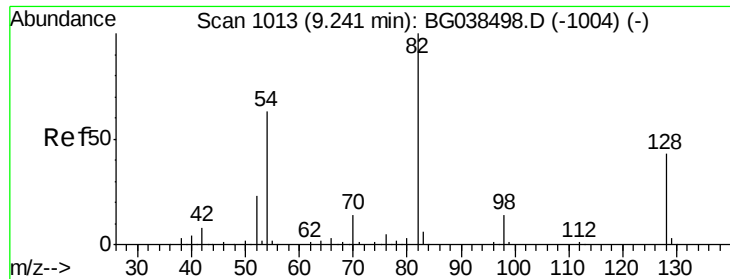
136 100

137 11.4 9.3 13.9

54 9.0 8.5 12.7

68 4.4 3.5 5.3

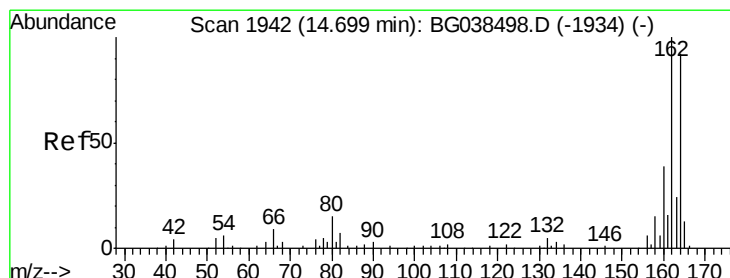
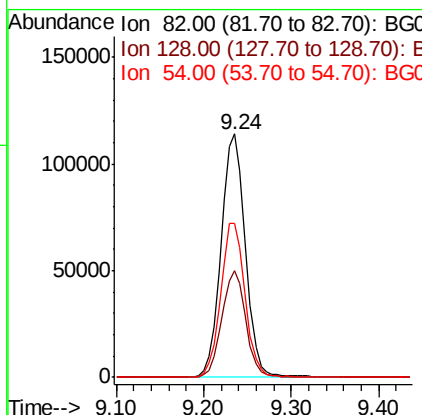
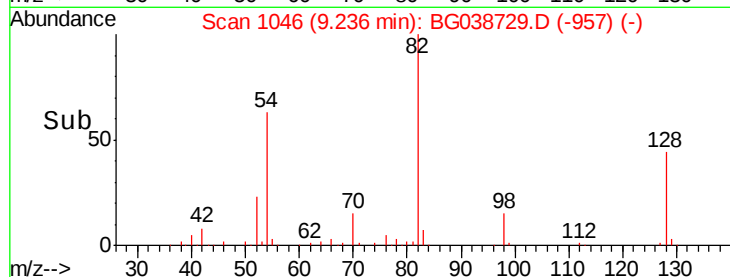
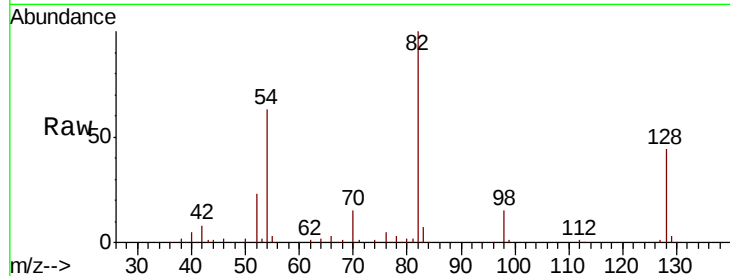




#23
 Nitrobenzene-d5
 Concen: 101.482 ng
 RT: 9.24 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: BG038729.D
 Acq: 19 Dec 2018 16:26

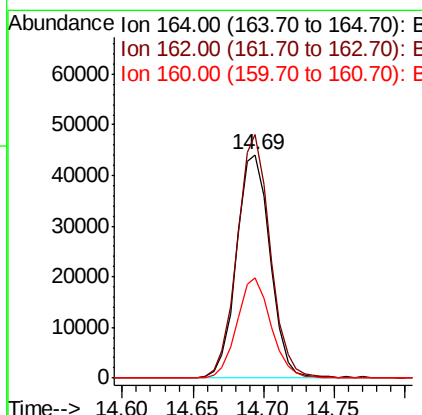
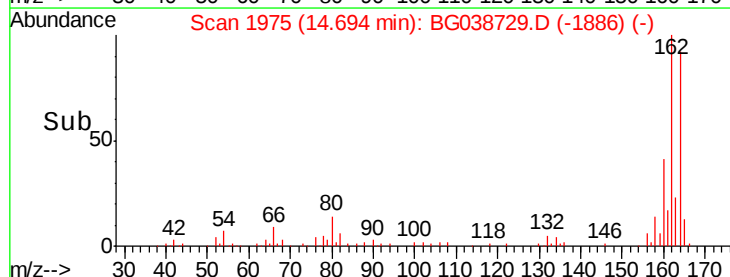
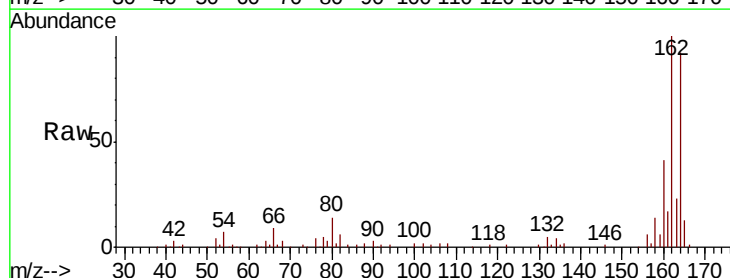
Instrument :
 BNA_G
 ClientSampleId :
 C-MW-10-121118

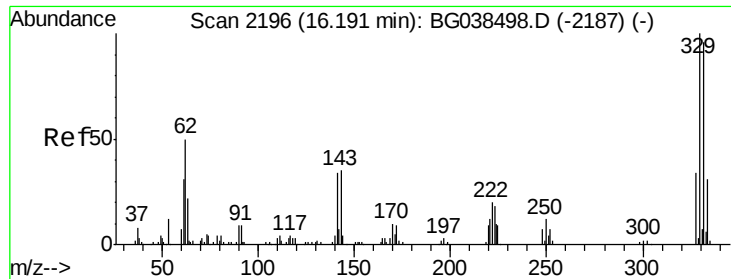
Tot Ion: 82 Resp: 218158
 Ion Ratio Lower Upper
 82 100
 128 44.0 34.6 52.0
 54 63.4 50.6 76.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: BG038729.D
 Acq: 19 Dec 2018 16:26

Tgt Ion:164 Resp: 73506
 Ion Ratio Lower Upper
 164 100
 162 109.1 86.6 130.0
 160 44.9 34.2 51.2

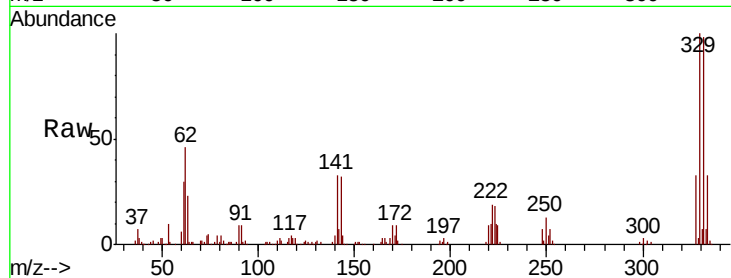




#42
 2,4,6-Tribromophenol
 Concen: 166.413 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.00 min
 Lab File: BG038729.D
 Acq: 19 Dec 2018 16:26

Instrument :
 BNA_G
 ClientSampleId :
 C-MW-10-121118

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.9	115.3
141	33.9	28.8	43.2

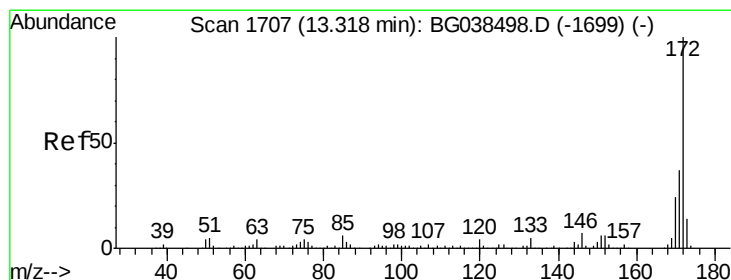
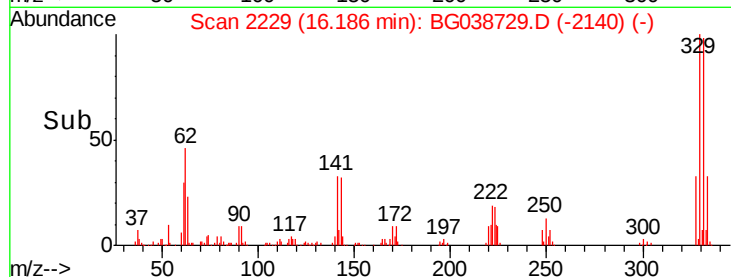
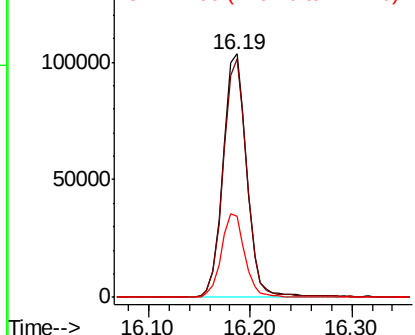


Abundance

Ion 329.80 (329.50 to 330.50): E

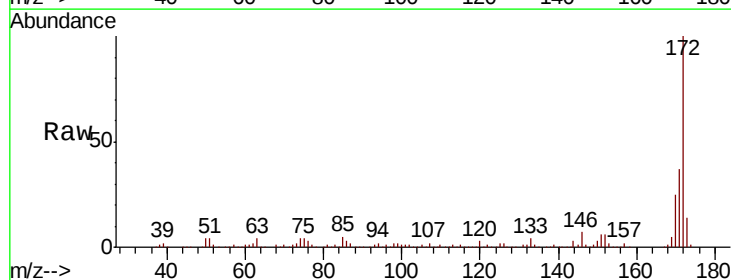
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 104.148 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG038729.D
 Acq: 19 Dec 2018 16:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.8	44.6
170	24.9	19.5	29.3

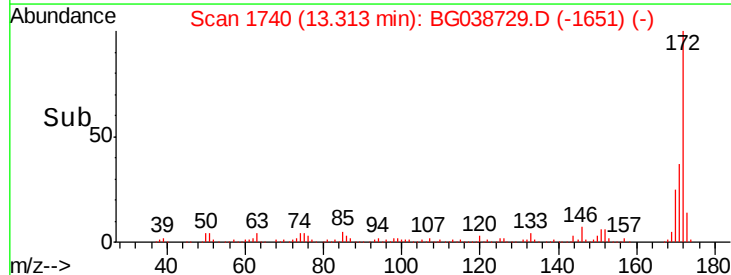
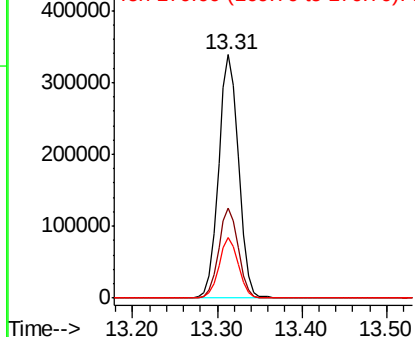


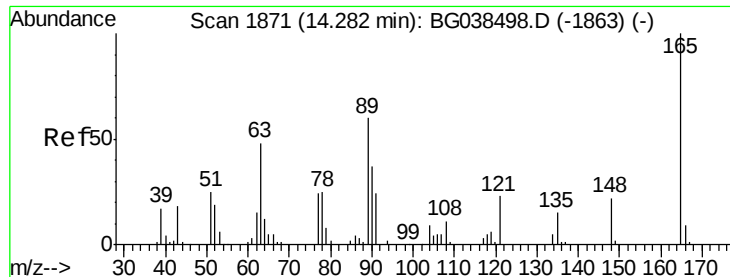
Abundance

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

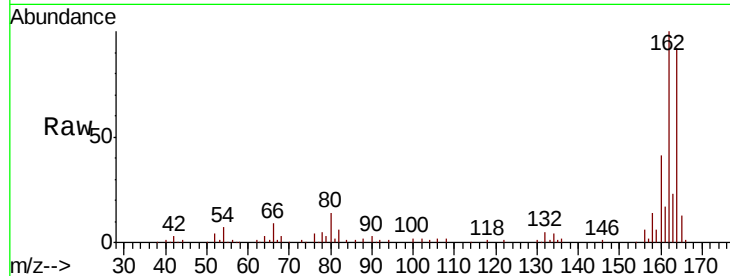




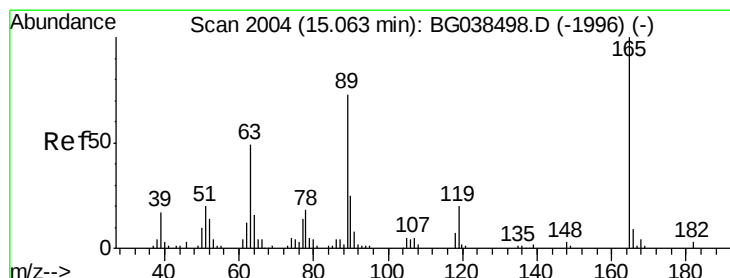
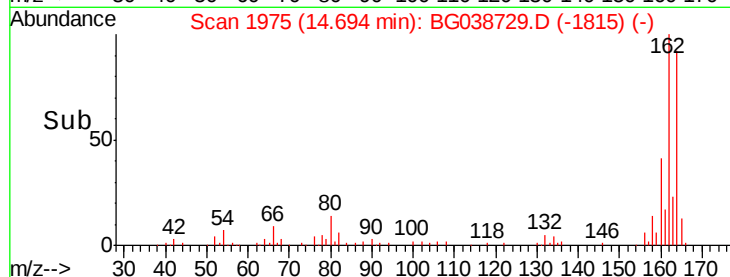
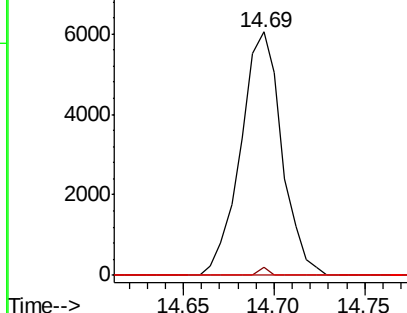
#51
 2,6-Dinitrotoluene
 Concen: 7.004 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038729.D
 Acq: 19 Dec 2018 16:26

Instrument :
 BNA_G
 ClientSampleId :
 C-MW-10-121118

Tot Ion	Ratio	Lower	Upper
165	100		
63	3.4	51.8	77.6#
89	0.0	47.9	71.9#

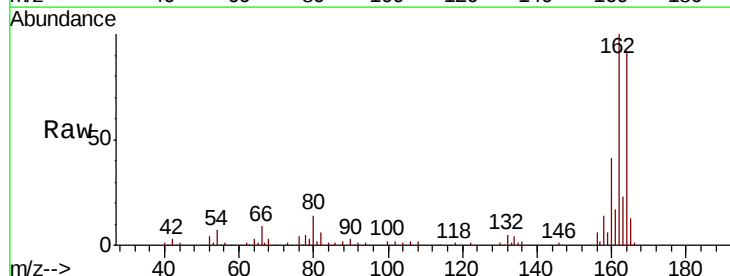


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

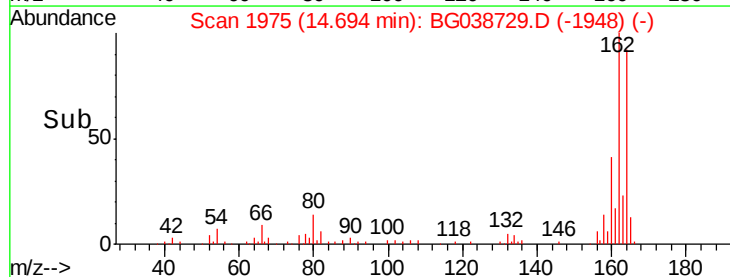
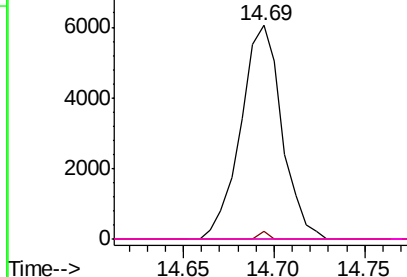


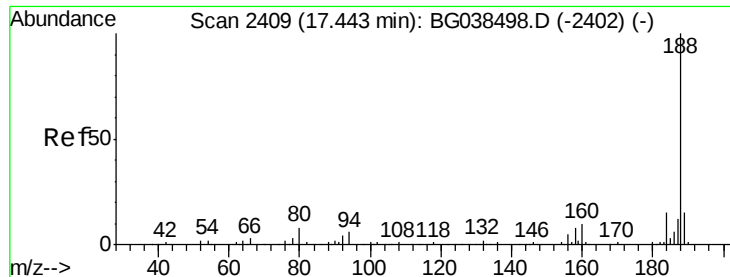
#57
 2,4-Dinitrotoluene
 Concen: 4.973 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038729.D
 Acq: 19 Dec 2018 16:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.4	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: BG038729.D

Acq: 19 Dec 2018 16:26

Instrument :

BNA_G

ClientSampleId :

C-MW-10-121118

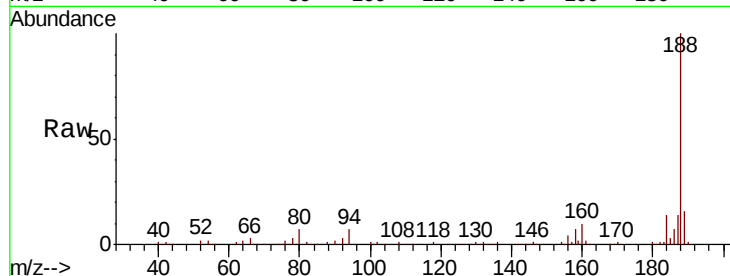
Tot Ion:188 Resp: 181630

Ion Ratio Lower Upper

188 100

94 6.8 5.1 7.7

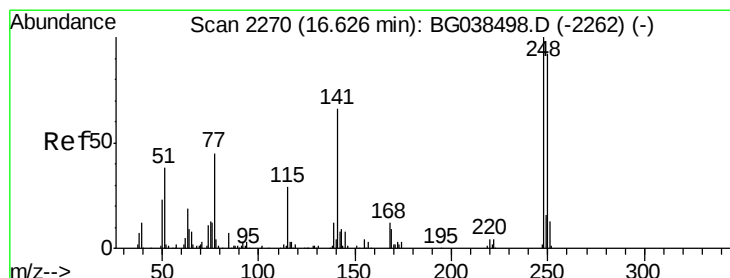
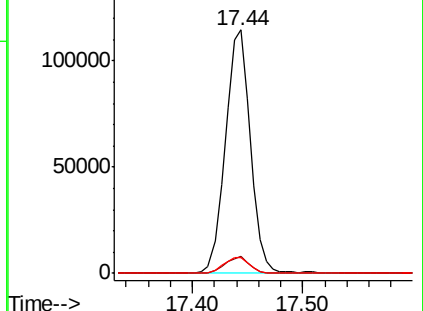
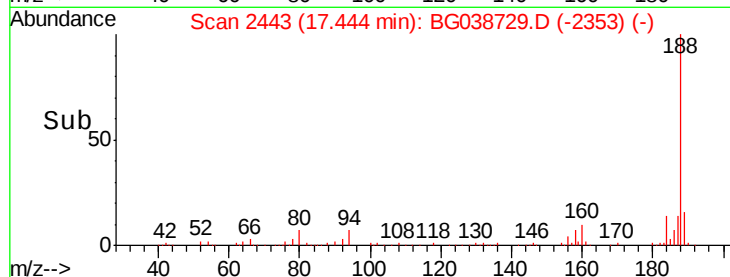
80 6.6 6.1 9.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGO

Ion 80.00 (79.70 to 80.70): BGO



#67

4-Bromophenyl-phenylether

Concen: 5.027 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.45 min

Lab File: BG038729.D

Acq: 19 Dec 2018 16:26

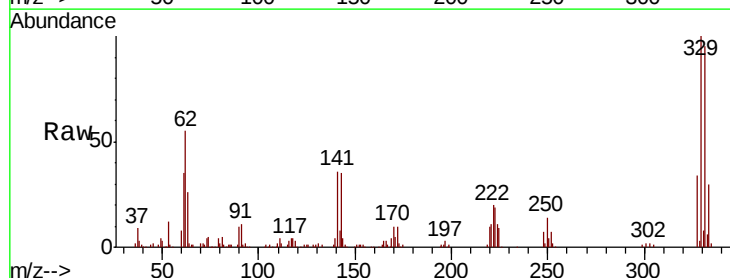
Tgt Ion:248 Resp: 11151

Ion Ratio Lower Upper

248 100

250 193.2 73.4 110.2#

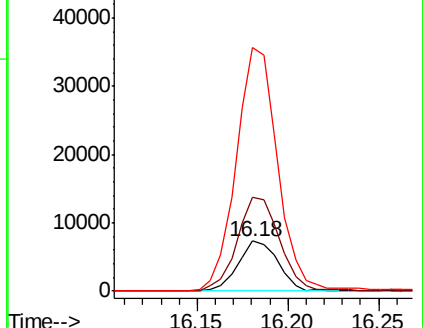
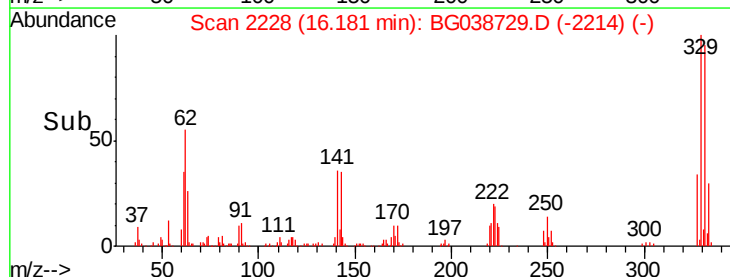
141 390.2 52.9 79.3#

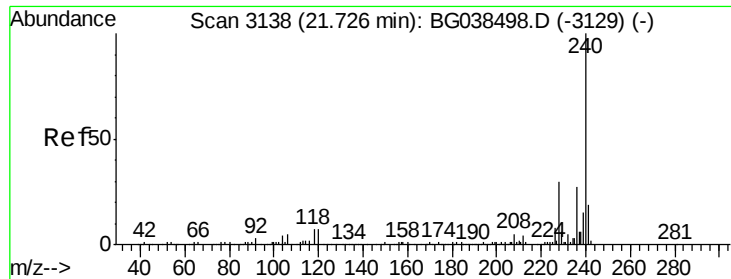


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

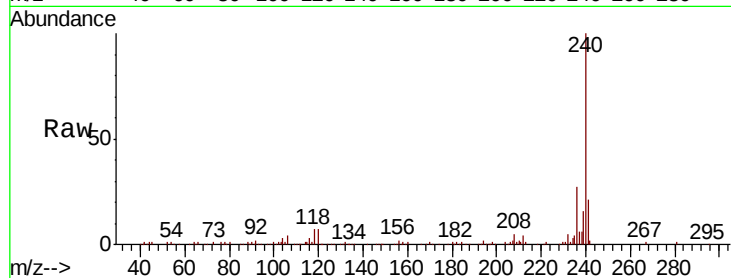




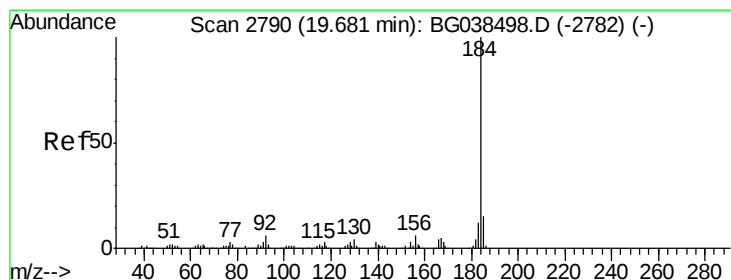
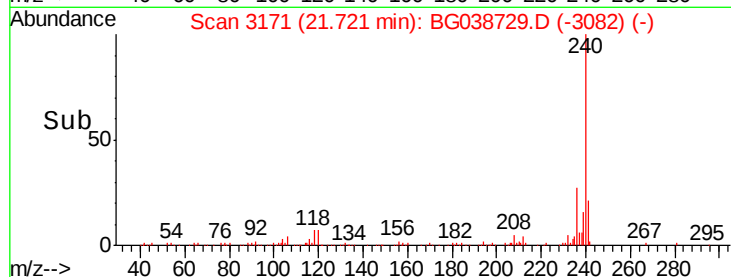
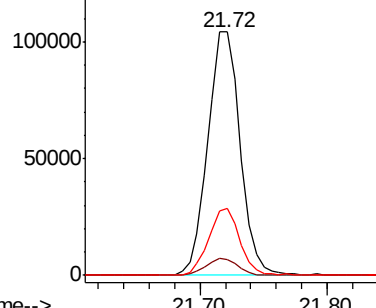
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.00 min
Lab File: BG038729.D
Acq: 19 Dec 2018 16:26

Instrument :
BNA_G
ClientSampleId :
C-MW-10-121118

Tot Ion:240 Resp: 184647
Ion Ratio Lower Upper
240 100
120 6.7 5.3 7.9
236 27.5 21.4 32.2

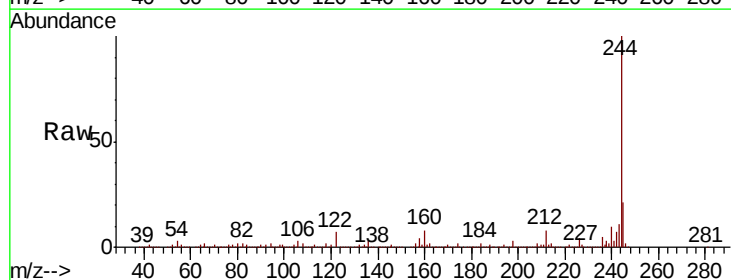


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

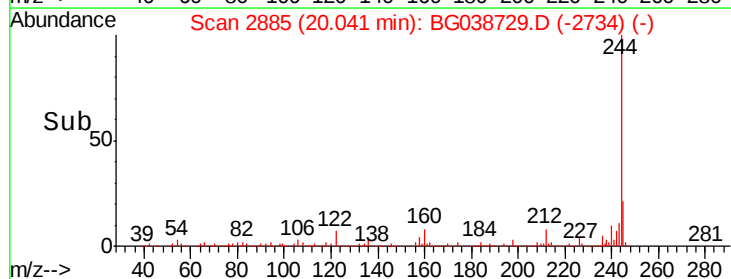
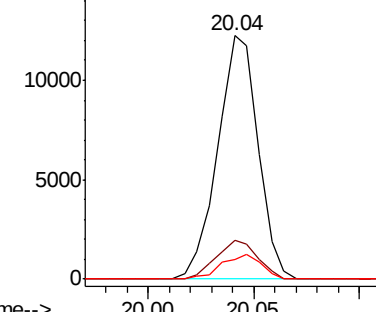


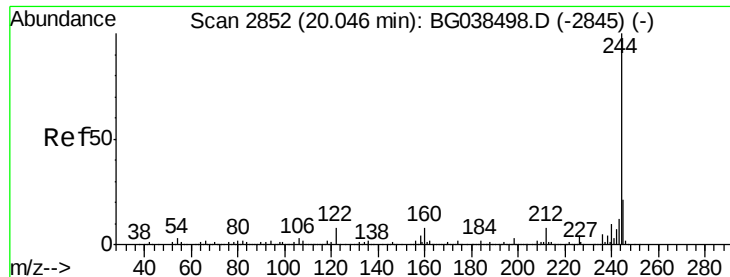
#77
Benzidine
Concen: 2.977 ng
RT: 20.04 min Scan# 2885
Delta R.T. 0.36 min
Lab File: BG038729.D
Acq: 19 Dec 2018 16:26

Tgt Ion:184 Resp: 16256
Ion Ratio Lower Upper
184 100
185 15.9 12.2 18.2
183 8.2 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: 111.939 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038729.D

Acq: 19 Dec 2018 16:26

Instrument :

BNA_G

ClientSampleId :

C-MW-10-121118

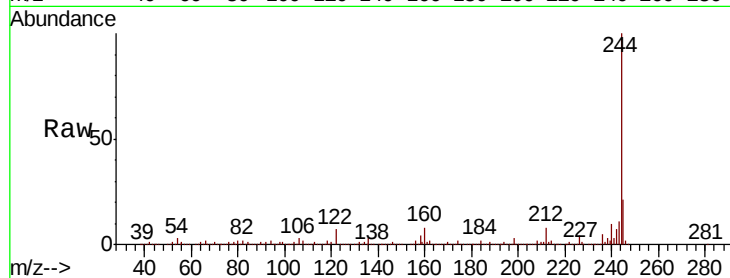
Tot Ion:244 Resp: 949730

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

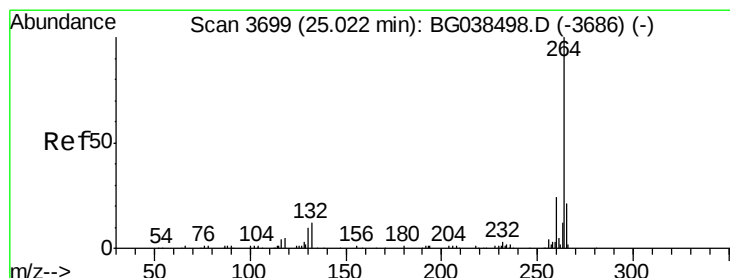
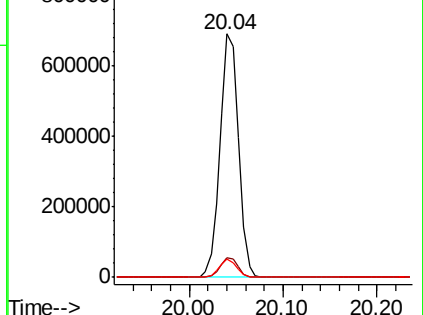
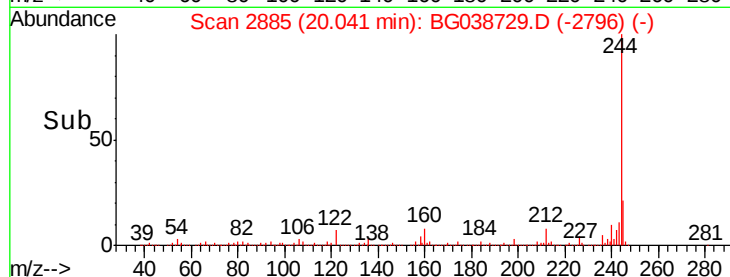
122 7.3 6.3 9.5



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

Perylene-d12

Concen: 20.000 ng

RT: 25.01 min Scan# 3731

Delta R.T. -0.01 min

Lab File: BG038729.D

Acq: 19 Dec 2018 16:26

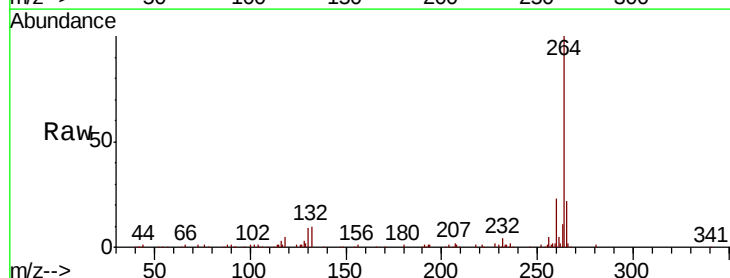
Tgt Ion:264 Resp: 196147

Ion Ratio Lower Upper

264 100

260 23.1 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

