

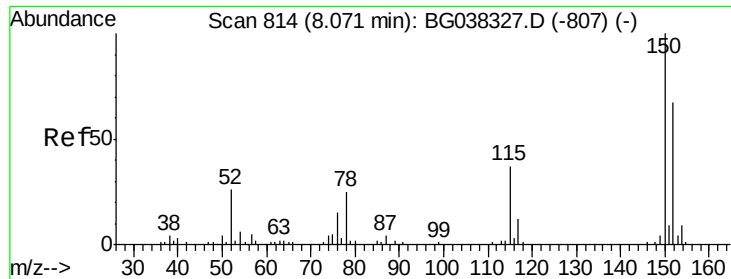
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120618\
 Data File : BG038384.D
 Acq On : 6 Dec 2018 14:49
 Operator : JU/SJ
 Sample : J6003-23RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 06 16:05:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 04 17:15:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	26777	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	122436	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	75129	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	190489	20.00	ng	0.00
76) Chrysene-d12	21.73	240	188031	20.00	ng	-0.01
87) Perylene-d12	25.04	264	192594	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	145054	95.86	ng	0.00
7) Phenol-d6	7.22	99	191773	87.69	ng	0.00
23) Nitrobenzene-d5	9.25	82	189641	76.90	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	123539	133.95	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	431674	81.87	ng	0.00
79) Terphenyl-d14	20.06	244	782606	89.16	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	9.17	117	10845	14.140	ng	# 1
19) n-Nitroso-di-n-propylamine	9.25	70	24549	13.989	ng	# 76
22) Acetophenone	8.90	105	1671	Below Cal		# 77
31) Naphthalene	10.94	128	59330	10.145	ng	97
37) 2-Methylnaphthalene	12.54	142	436834	104.882	ng	99
38) 1-Methylnaphthalene	12.76	142	338850	84.944	ng	98
52) Acenaphthene	14.77	154	18979	4.314	ng	97
55) Dibenzofuran	15.10	168	29677	4.080	ng	# 90
56) 4-Nitrophenol	14.90	139	3433	2.931	ng	# 15
58) Fluorene	15.75	166	37361	6.972	ng	96
67) 4-Bromophenyl-phenylether	16.20	248	8338	4.053	ng	# 1
71) Phenanthrene	17.49	178	70919	7.434	ng	99
72) Anthracene	17.49	178	70919	7.677	ng	97
77) Benzidine	20.05	184	13649	2.151	ng	# 94

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

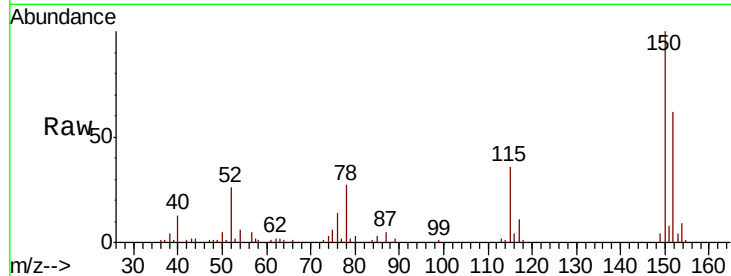


#1

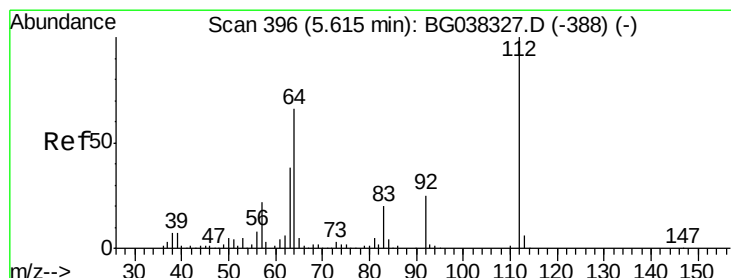
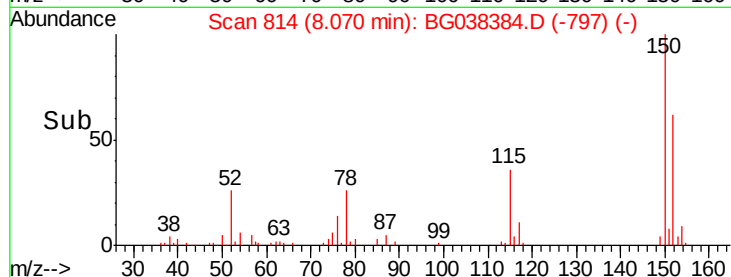
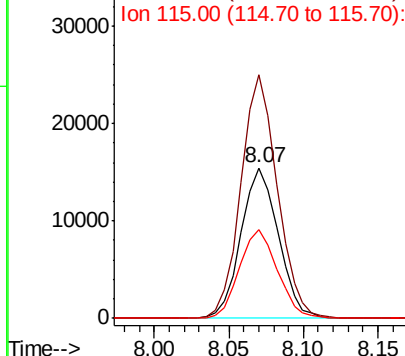
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG038384.D
Acq: 6 Dec 2018 14:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26777
Ion Ratio Lower Upper
152 100
150 161.5 126.0 189.0
115 58.5 45.5 68.3



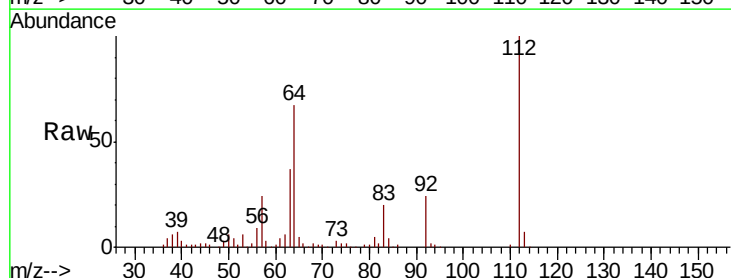
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



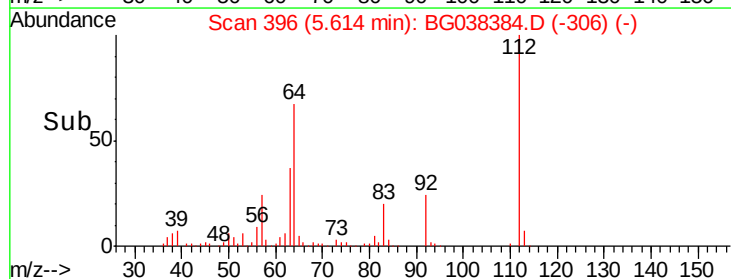
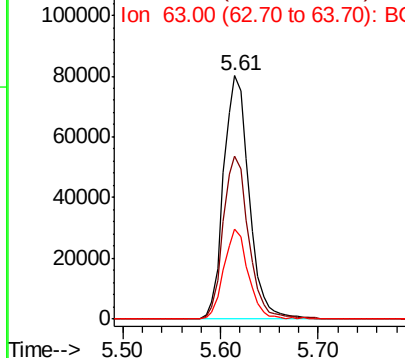
#5

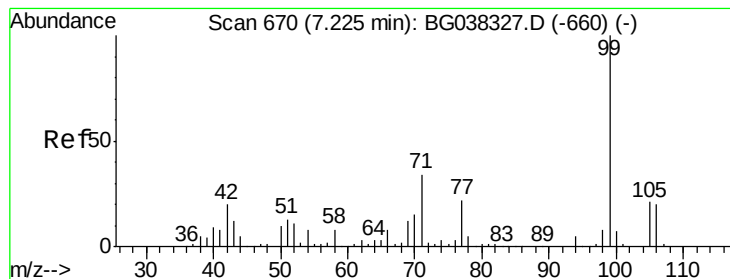
2-Fluorophenol
Concen: 95.864 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG038384.D
Acq: 6 Dec 2018 14:49

Tgt Ion:112 Resp: 145054
Ion Ratio Lower Upper
112 100
64 67.1 53.1 79.7
63 36.8 27.3 40.9



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: 87.689 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038384.D

Acq: 6 Dec 2018 14:49

Instrument :

BNA_G

ClientSampleId :

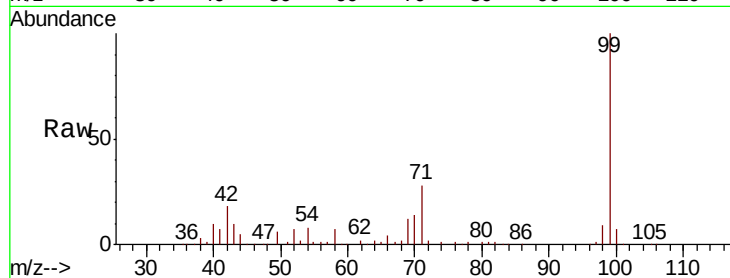
Tot Ion: 99 Resp: 191773

Ion Ratio Lower Upper

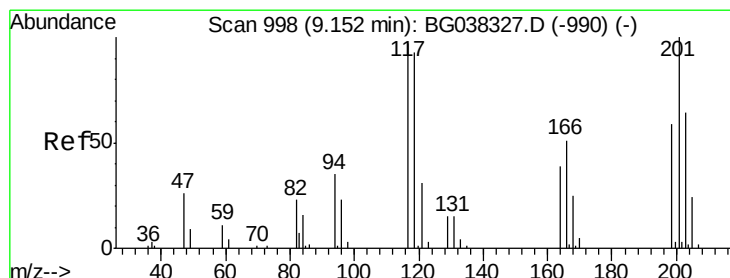
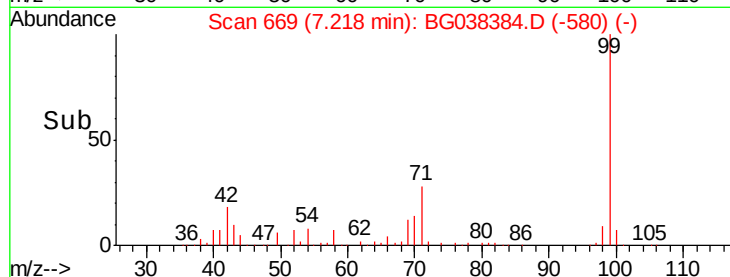
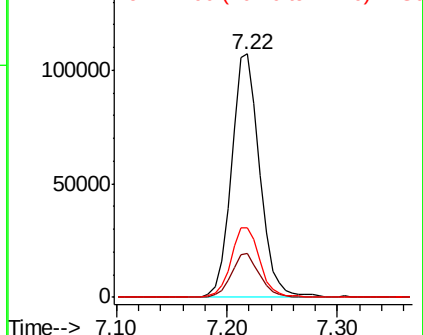
99 100

42 18.3 15.0 22.4

71 28.4 25.5 38.3



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



#18

Hexachloroethane

Concen: 14.140 ng

RT: 9.17 min Scan# 1002

Delta R.T. 0.02 min

Lab File: BG038384.D

Acq: 6 Dec 2018 14:49

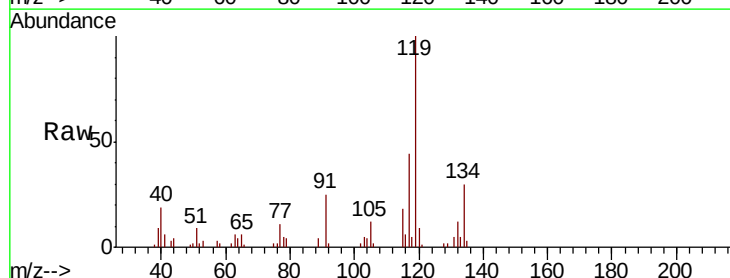
Tgt Ion: 117 Resp: 10845

Ion Ratio Lower Upper

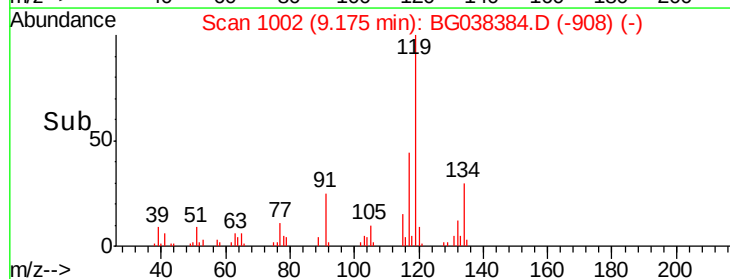
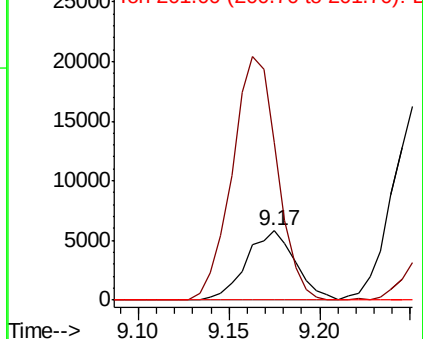
117 100

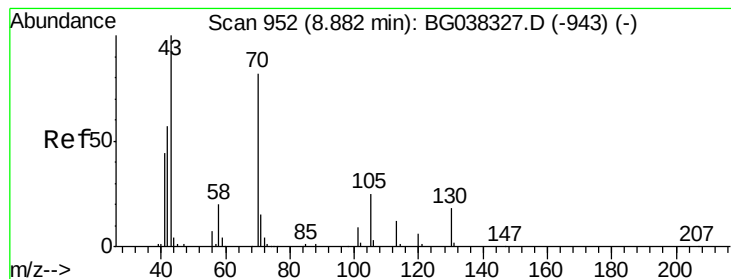
119 229.4 74.6 111.8#

201 0.0 80.8 121.2#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 13.989 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.36 min

Lab File: BG038384.D

Acq: 6 Dec 2018 14:49

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 24549

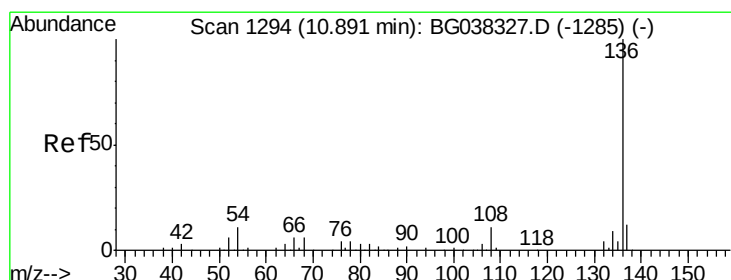
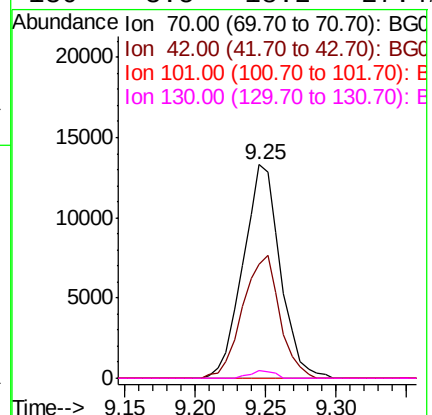
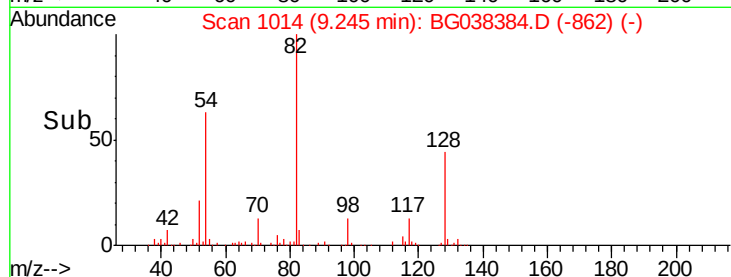
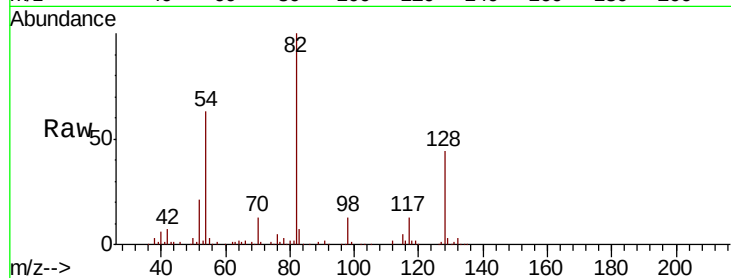
Ion Ratio Lower Upper

70 100

42 53.3 53.9 80.9#

101 0.0 8.2 12.2#

130 3.5 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.89 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BG038384.D

Acq: 6 Dec 2018 14:49

Tgt Ion: 136 Resp: 122436

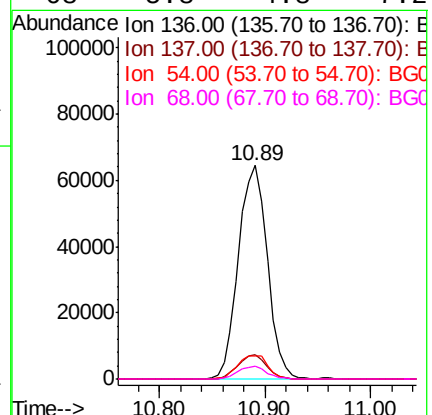
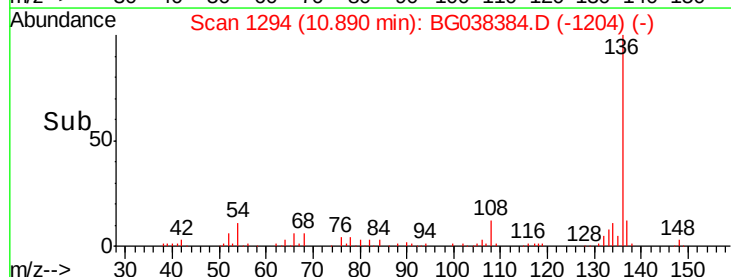
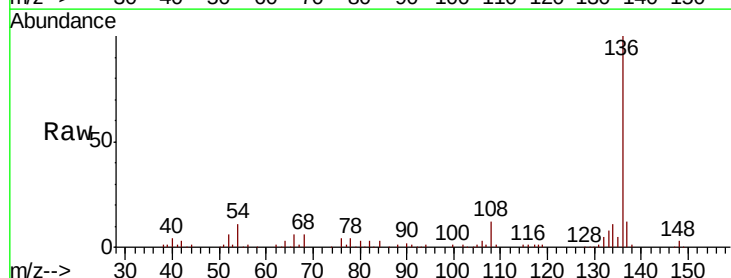
Ion Ratio Lower Upper

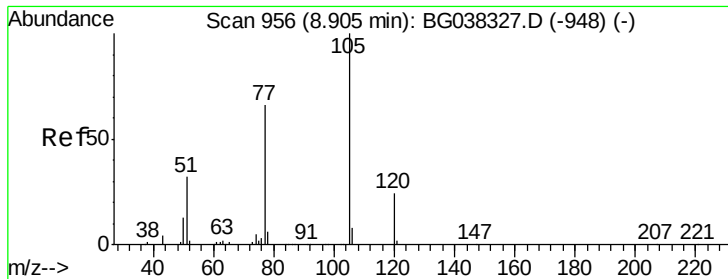
136 100

137 11.7 9.6 14.4

54 10.8 7.9 11.9

68 5.8 4.8 7.2

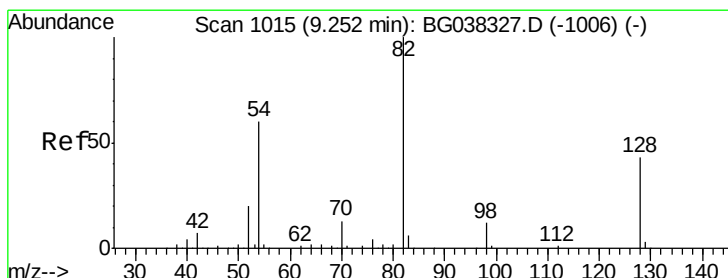
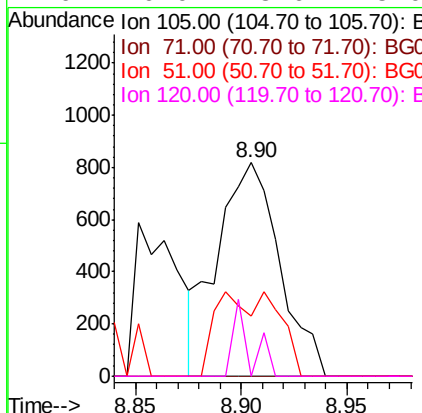
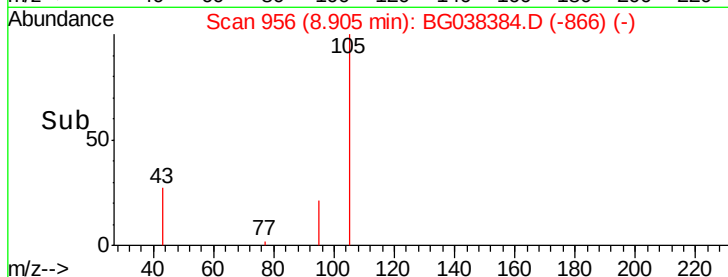
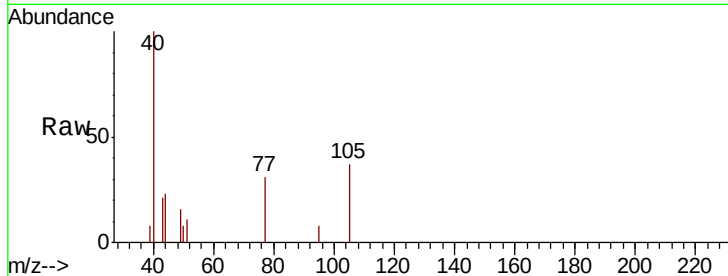




#22
Acetophenone
Concen: Below Cal
RT: 8.90 min Scan# 956
Delta R.T. -0.00 min
Lab File: BG038384.D
Acq: 6 Dec 2018 14:49

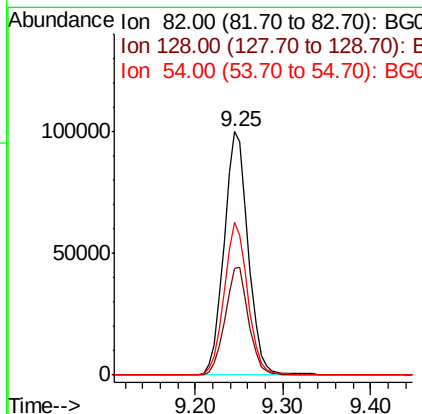
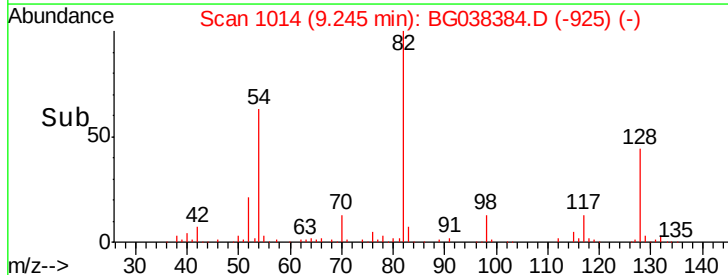
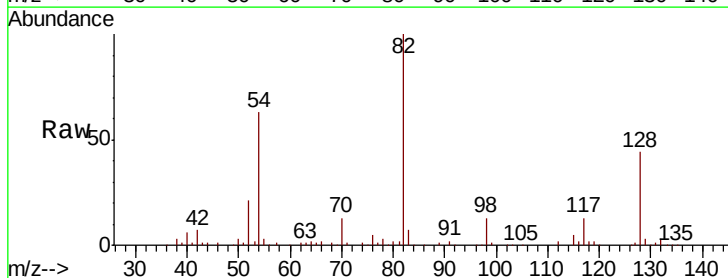
Instrument :
BNA_G
ClientSampleId :

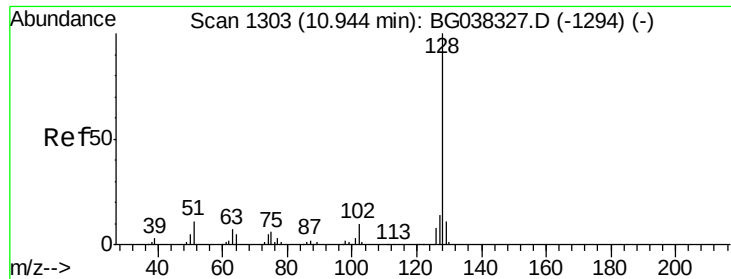
Tot Ion:105 Resp: 1671
Ion Ratio Lower Upper
105 100
71 0.0 1.2 1.8#
51 28.2 25.0 37.6
120 0.0 18.6 28.0#



#23
Nitrobenzene-d5
Concen: 76.900 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BG038384.D
Acq: 6 Dec 2018 14:49

Tgt Ion: 82 Resp: 189641
Ion Ratio Lower Upper
82 100
128 43.8 34.6 51.8
54 62.7 45.3 67.9

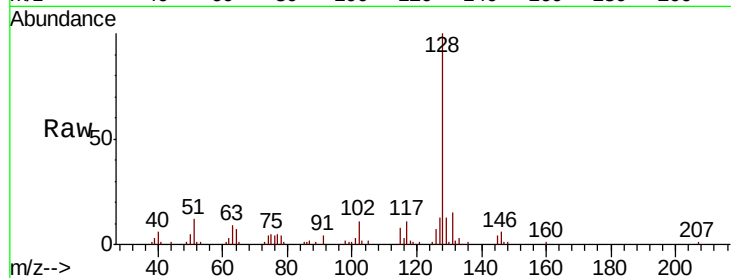




#31
Naphthalene
Concen: 10.145 ng
RT: 10.94 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BG038384.D
Acq: 6 Dec 2018 14:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.1	9.0	13.6
127	13.4	11.1	16.7

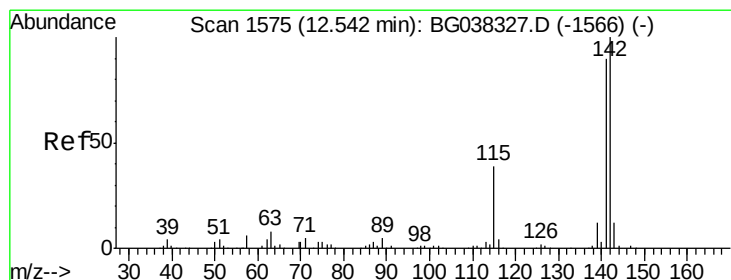
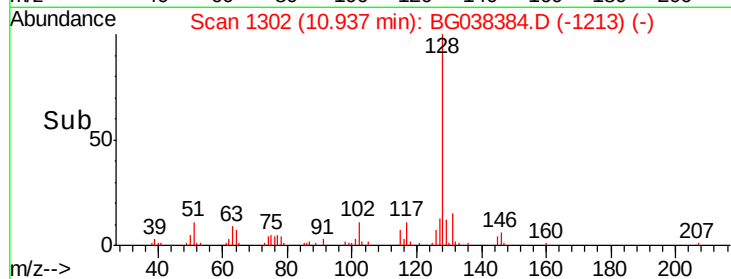
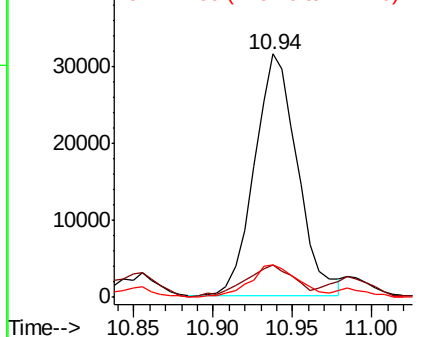


Abundance

Ion 128.00 (127.70 to 128.70): E

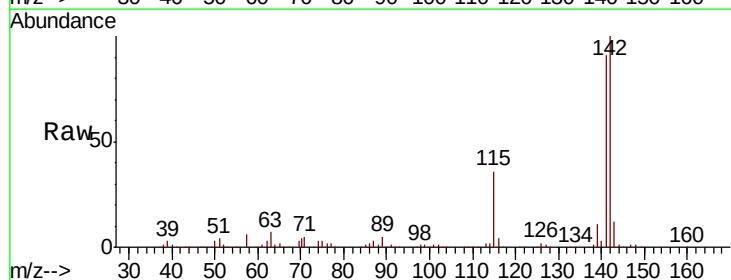
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37
2-Methylnaphthalene
Concen: 104.882 ng
RT: 12.54 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BG038384.D
Acq: 6 Dec 2018 14:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.9	107.9
115	36.0	27.8	41.8

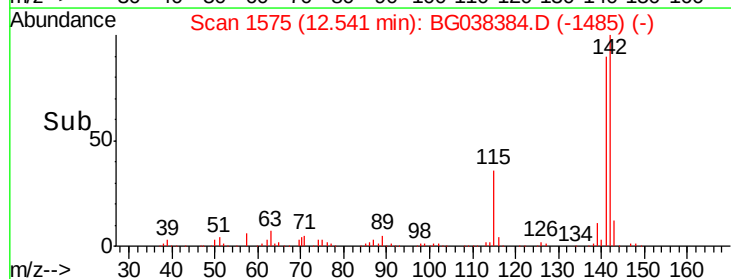
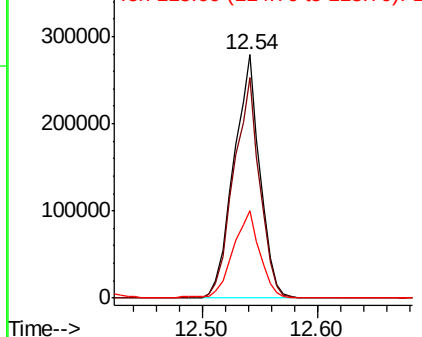


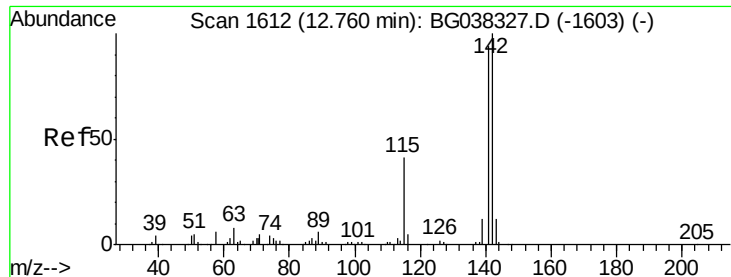
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

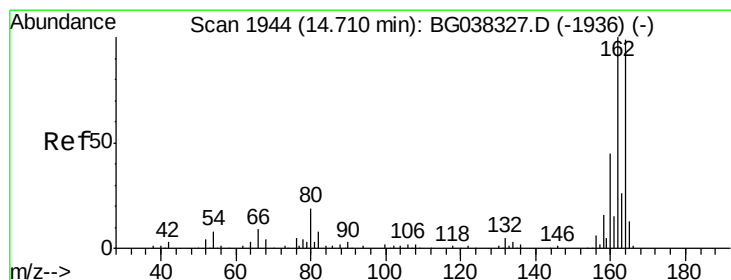
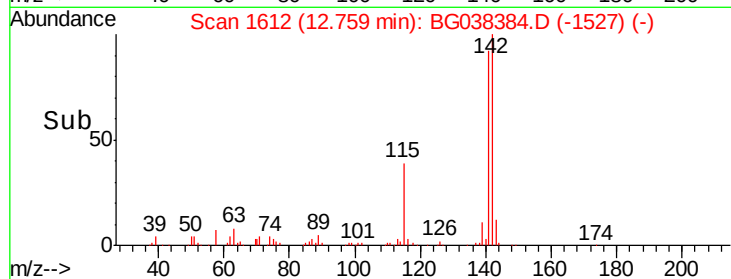
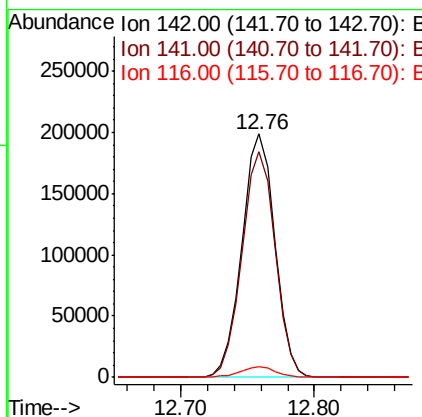
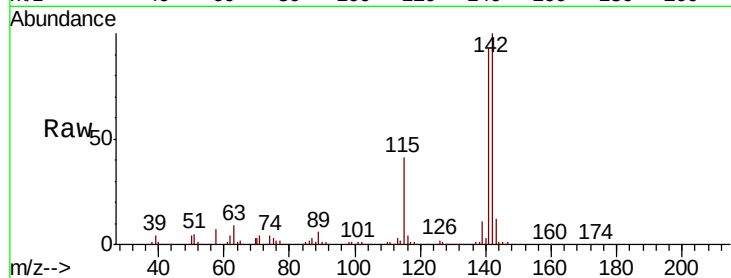




#38
1-Methylnaphthalene
Concen: 84.944 ng
RT: 12.76 min Scan# 1612
Delta R.T. -0.00 min
Lab File: BG038384.D
Acq: 6 Dec 2018 14:49

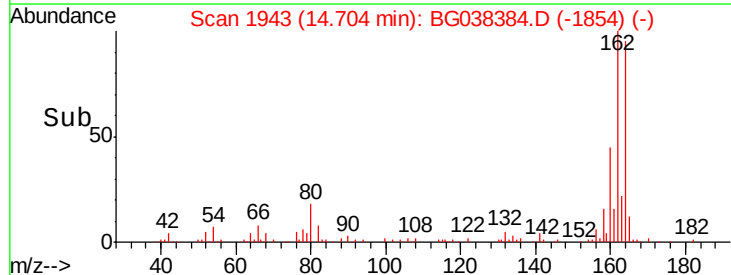
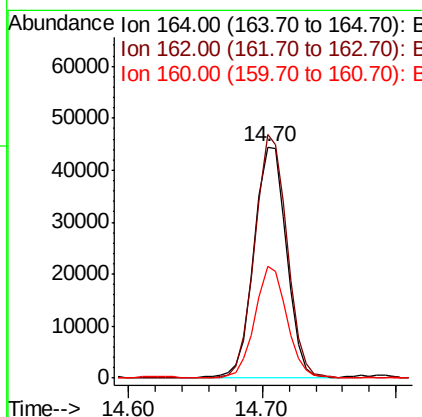
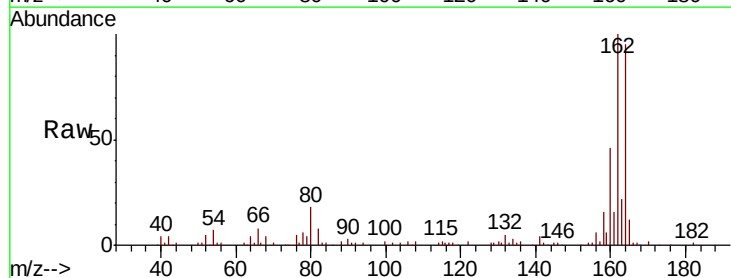
Instrument :
BNA_G
ClientSampleId :

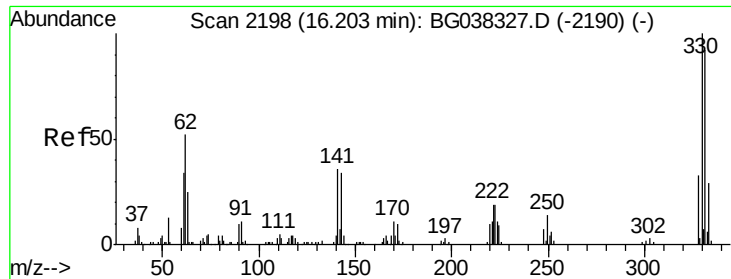
Tot Ion:142 Resp: 338850
Ion Ratio Lower Upper
142 100
141 92.5 75.2 112.8
116 4.5 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BG038384.D
Acq: 6 Dec 2018 14:49

Tgt Ion:164 Resp: 75129
Ion Ratio Lower Upper
164 100
162 105.3 81.3 121.9
160 48.4 36.3 54.5

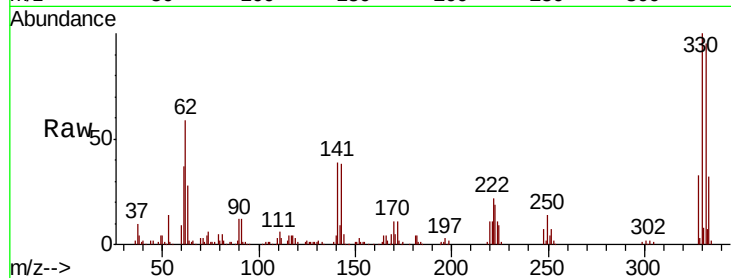




#42
 2,4,6-Tribromophenol
 Concen: 133.947 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.01 min
 Lab File: BG038384.D
 Acq: 6 Dec 2018 14:49

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.4	117.6
141	39.9	32.2	48.2

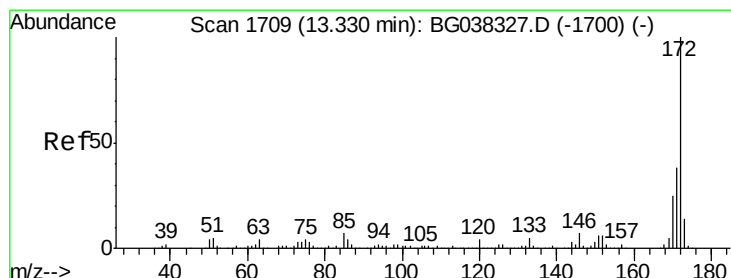
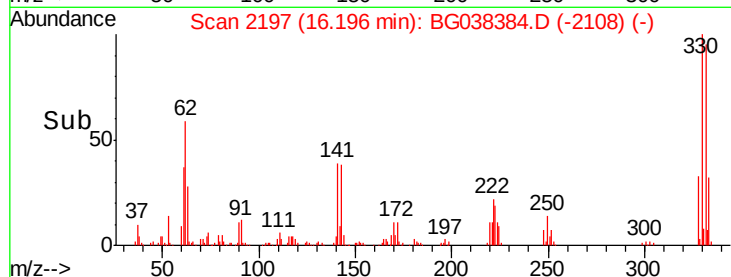
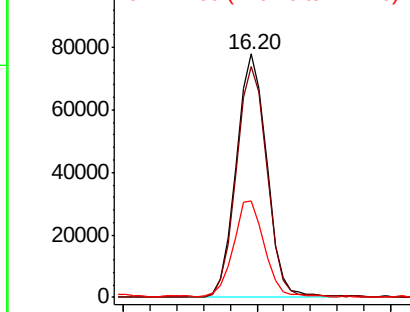


Abundance

Ion 329.80 (329.50 to 330.50): E

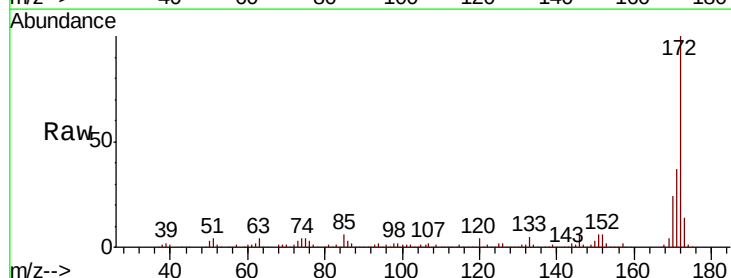
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 81.872 ng
 RT: 13.33 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BG038384.D
 Acq: 6 Dec 2018 14:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	31.0	46.4
170	24.4	20.2	30.2

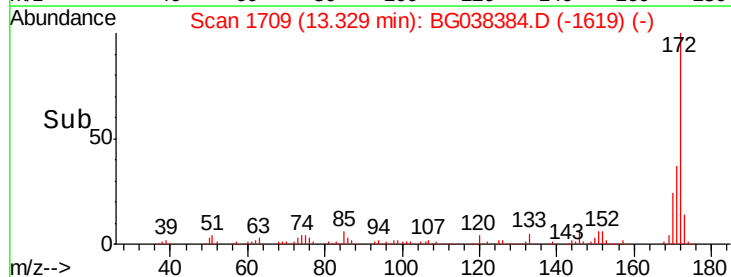
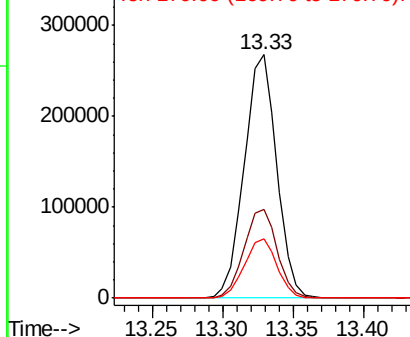


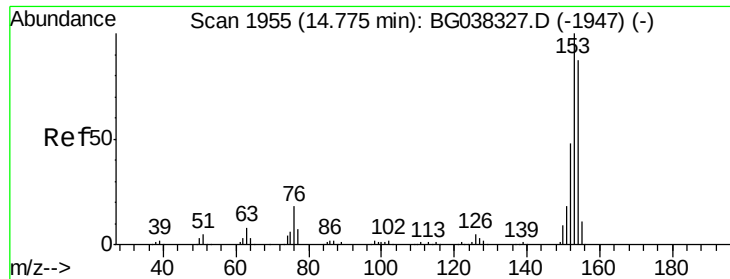
Abundance

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





#52

Acenaphthene

Concen: 4.314 ng

RT: 14.77 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BG038384.D

Acq: 6 Dec 2018 14:49

Instrument :

BNA_G

ClientSampleId :

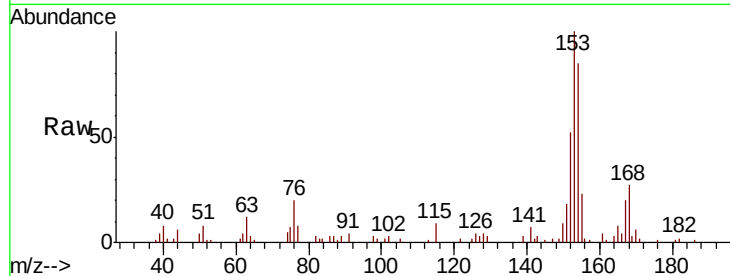
Tot Ion:154 Resp: 18979

Ion Ratio Lower Upper

154 100

153 117.8 93.4 140.0

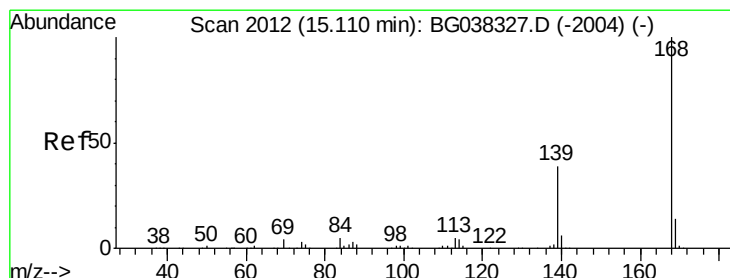
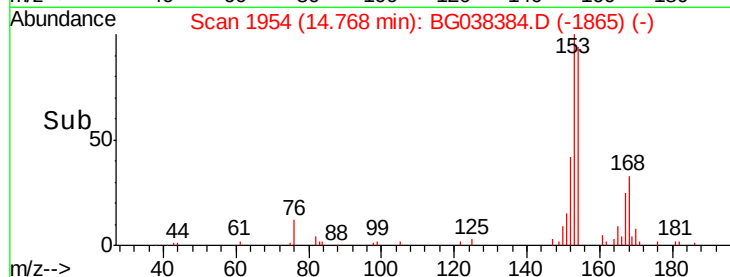
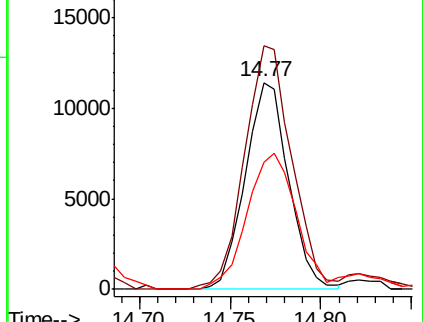
152 61.3 44.7 67.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 4.080 ng

RT: 15.10 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BG038384.D

Acq: 6 Dec 2018 14:49

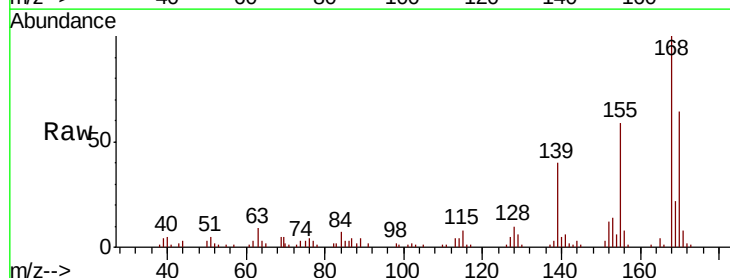
Tgt Ion:168 Resp: 29677

Ion Ratio Lower Upper

168 100

139 39.9 29.4 44.0

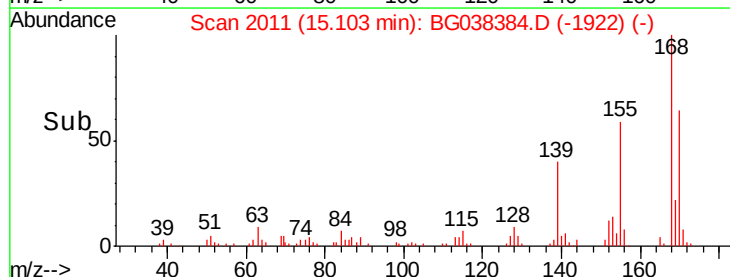
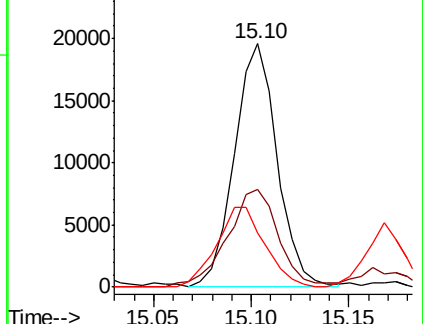
169 22.2 11.0 16.6#

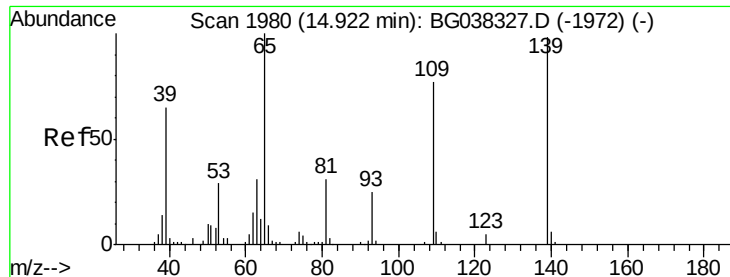


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 2.931 ng

RT: 14.90 min Scan# 1977

Delta R.T. -0.02 min

Lab File: BG038384.D

Acq: 6 Dec 2018 14:49

Instrument :

BNA_G

ClientSampled :

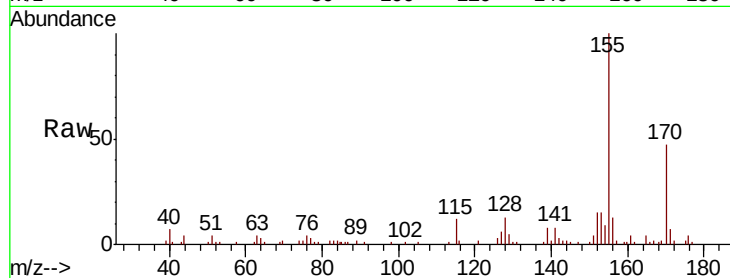
Tot Ion:139 Resp: 3433

Ion Ratio Lower Upper

139 100

109 0.0 49.5 89.5#

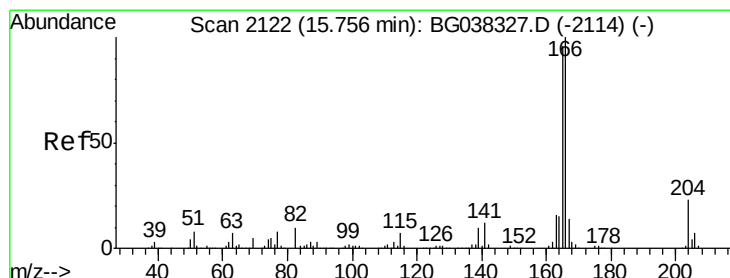
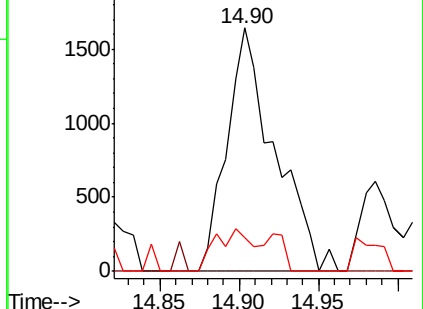
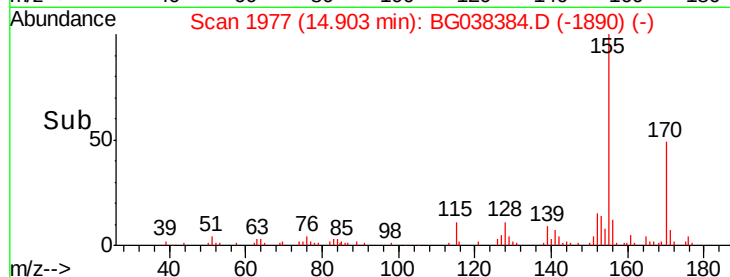
65 13.9 76.8 116.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#58

Fluorene

Concen: 6.972 ng

RT: 15.75 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BG038384.D

Acq: 6 Dec 2018 14:49

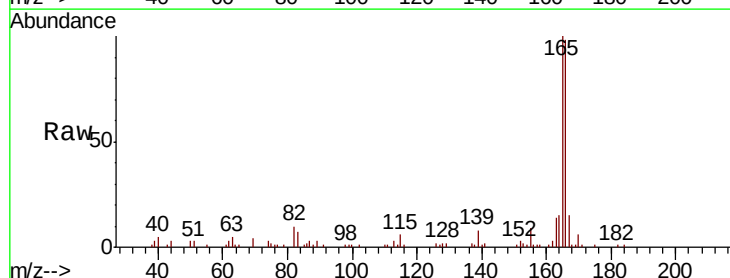
Tgt Ion:166 Resp: 37361

Ion Ratio Lower Upper

166 100

165 102.5 79.0 118.6

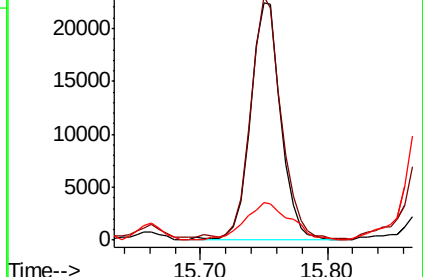
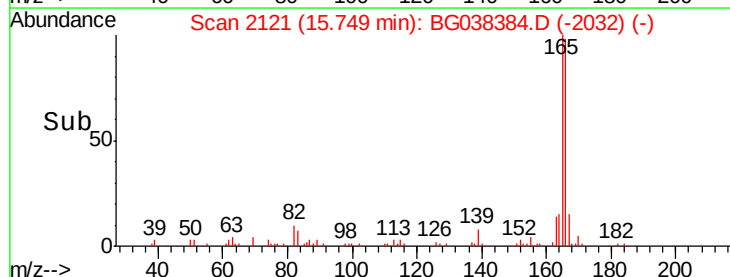
167 15.7 11.3 16.9

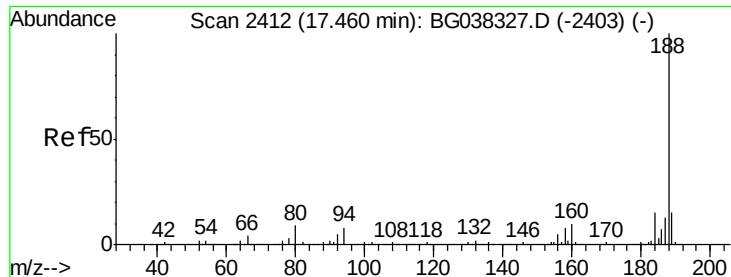


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

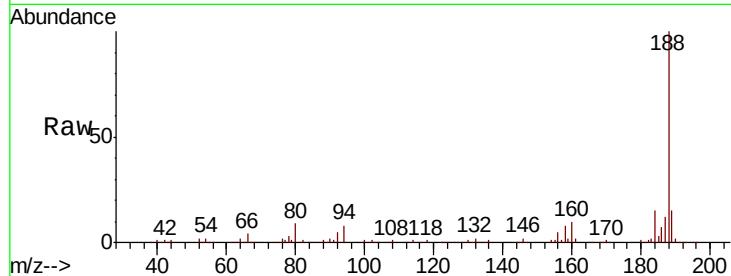




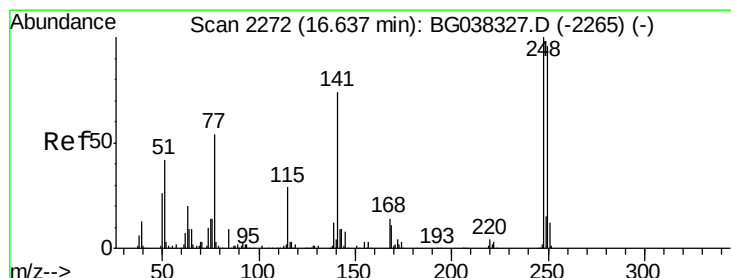
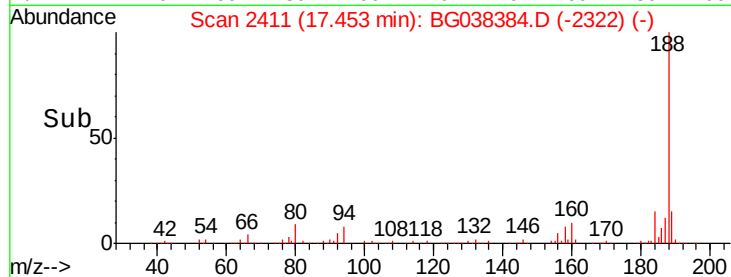
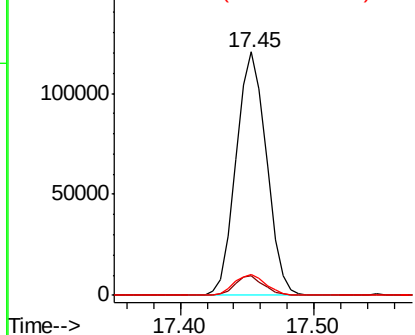
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.45 min Scan# 2411
Delta R.T. -0.01 min
Lab File: BG038384.D
Acq: 6 Dec 2018 14:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 190489
Ion Ratio Lower Upper
188 100
94 7.8 7.2 10.8
80 8.7 7.7 11.5

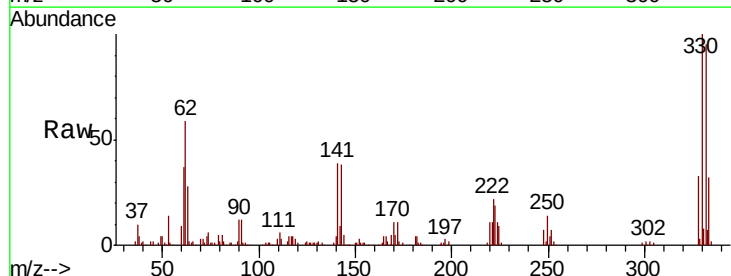


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

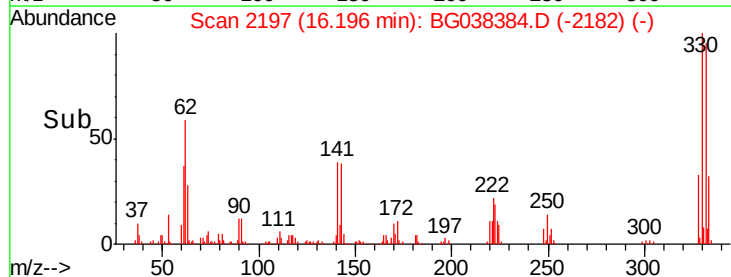
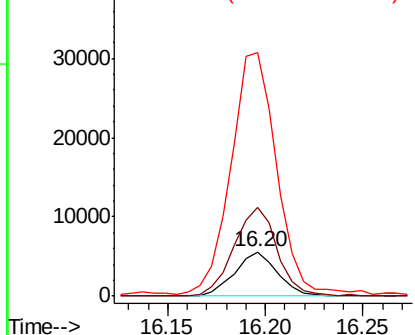


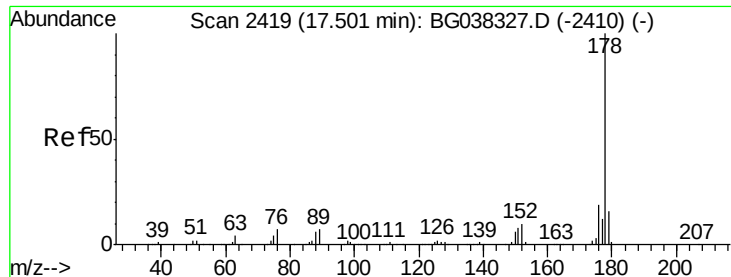
#67
4-Bromophenyl-phenylether
Concen: 4.053 ng
RT: 16.20 min Scan# 2197
Delta R.T. -0.44 min
Lab File: BG038384.D
Acq: 6 Dec 2018 14:49

Tgt Ion:248 Resp: 8338
Ion Ratio Lower Upper
248 100
250 199.3 77.0 115.6#
141 423.1 55.5 83.3#



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

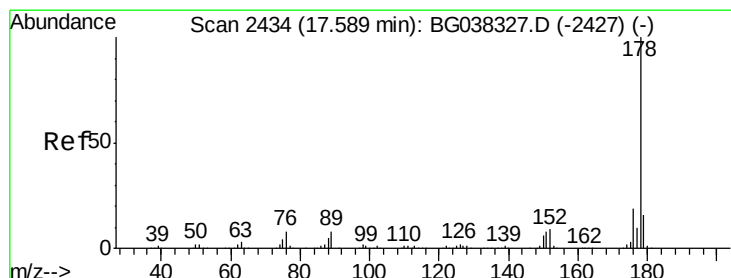
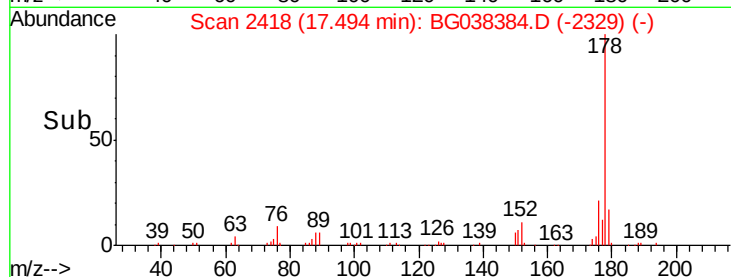
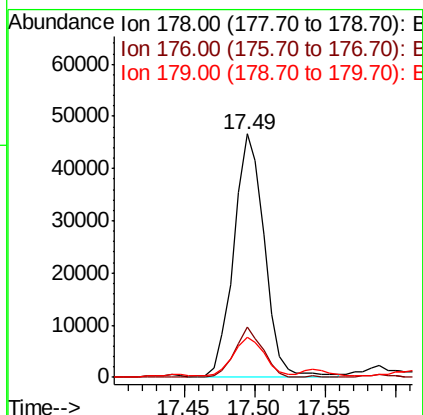
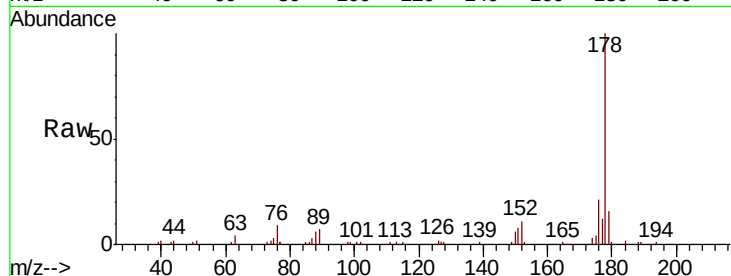




#71
 Phenanthrene
 Concen: 7.434 ng
 RT: 17.49 min Scan# 2418
 Delta R.T. -0.01 min
 Lab File: BG038384.D
 Acq: 6 Dec 2018 14:49

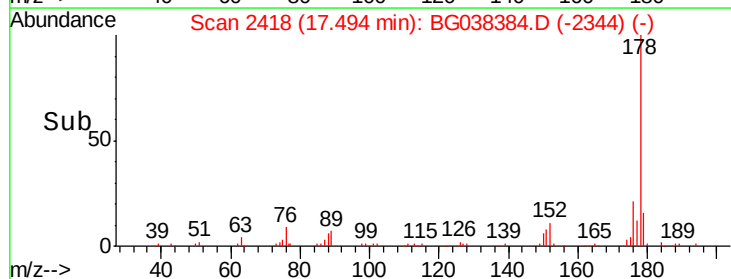
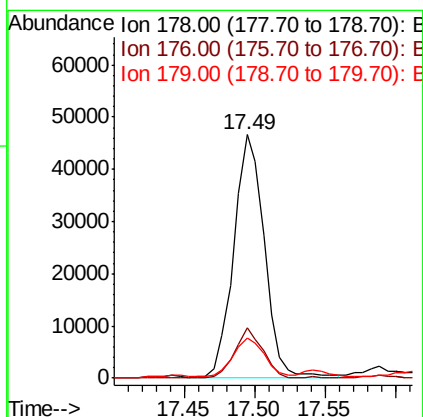
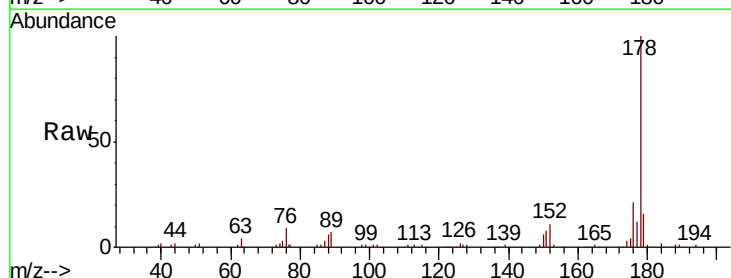
Instrument :
 BNA_G
 ClientSampleId :

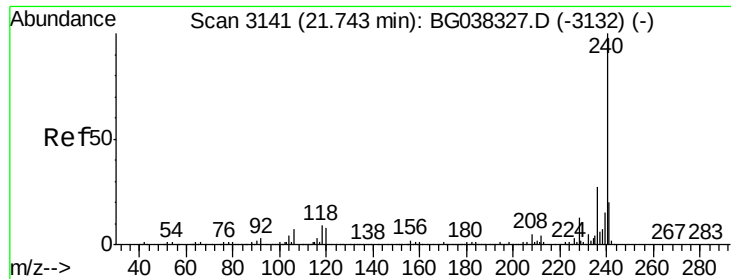
Tot Ion:178 Resp: 70919
 Ion Ratio Lower Upper
 178 100
 176 20.8 16.1 24.1
 179 16.5 13.0 19.4



#72
 Anthracene
 Concen: 7.677 ng
 RT: 17.49 min Scan# 2418
 Delta R.T. -0.09 min
 Lab File: BG038384.D
 Acq: 6 Dec 2018 14:49

Tgt Ion:178 Resp: 70919
 Ion Ratio Lower Upper
 178 100
 176 20.8 15.0 22.4
 179 16.5 12.8 19.2

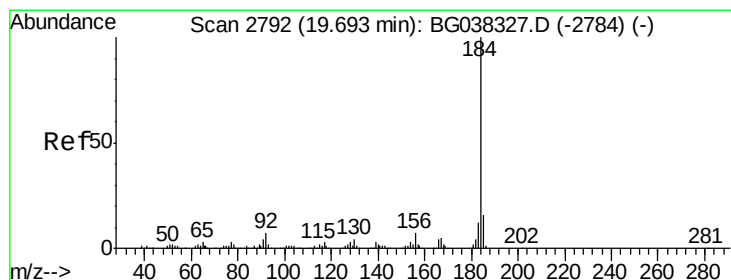
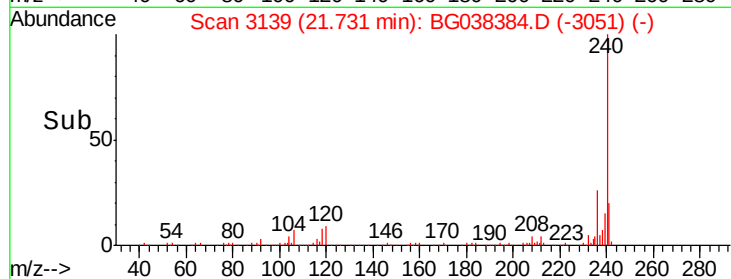
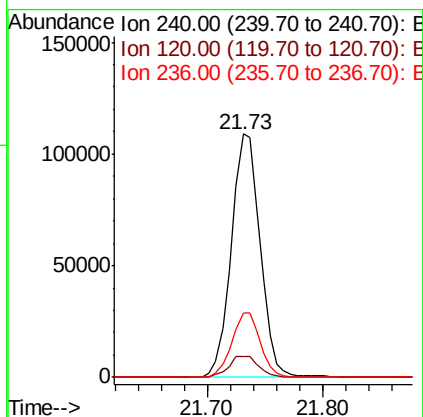
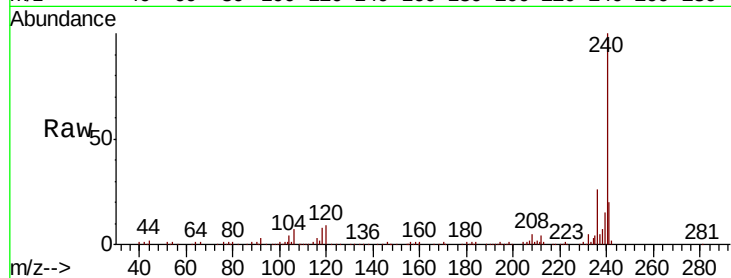




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038384.D
Acq: 6 Dec 2018 14:49

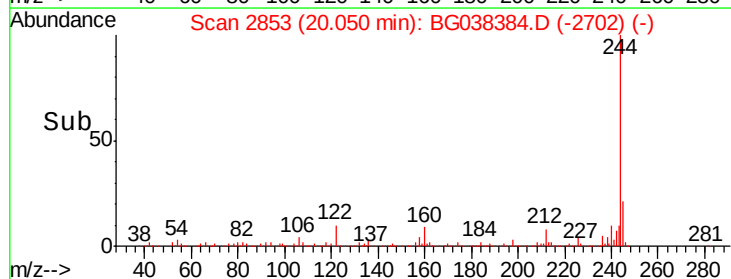
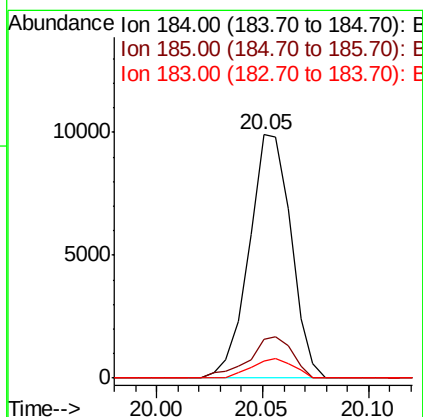
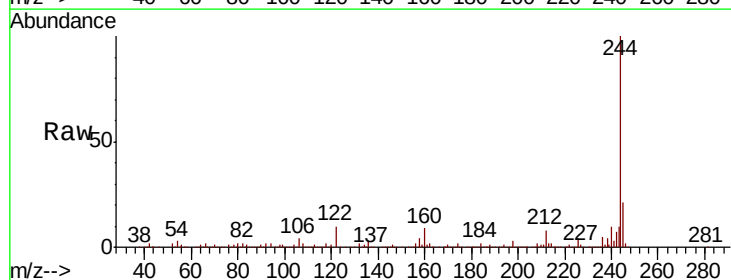
Instrument :
BNA_G
ClientSampled :

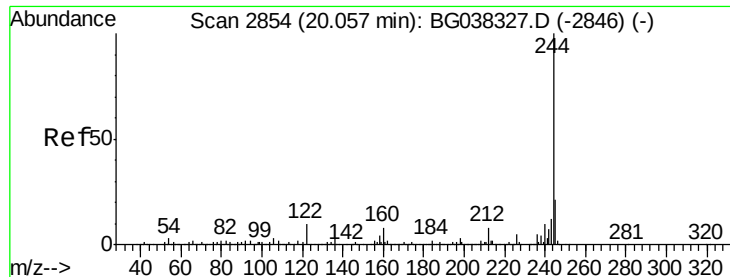
Tot Ion:240 Resp: 188031
Ion Ratio Lower Upper
240 100
120 8.5 8.1 12.1
236 26.3 21.4 32.0



#77
Benzidine
Concen: 2.151 ng
RT: 20.05 min Scan# 2853
Delta R.T. 0.36 min
Lab File: BG038384.D
Acq: 6 Dec 2018 14:49

Tgt Ion:184 Resp: 13649
Ion Ratio Lower Upper
184 100
185 15.7 12.6 18.8
183 7.1 10.2 15.2#





#79

Terphenyl-d14

Concen: 89.163 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BG038384.D

Acq: 6 Dec 2018 14:49

Instrument :

BNA_G

ClientSampleId :

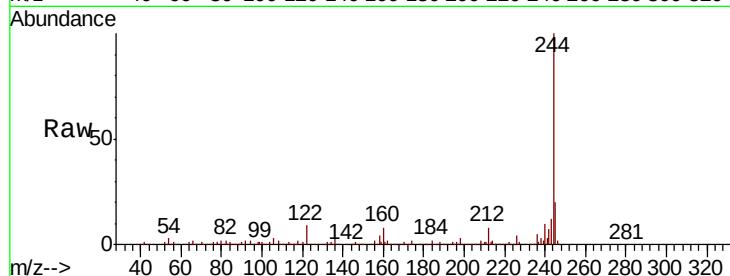
Tot Ion:244 Resp: 782606

Ion Ratio Lower Upper

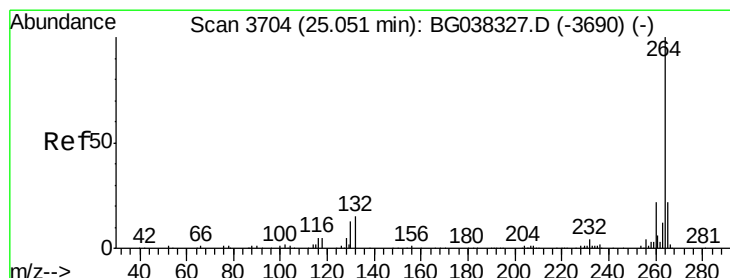
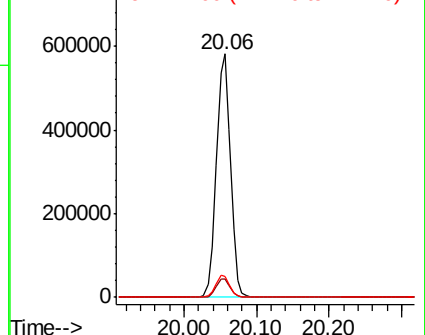
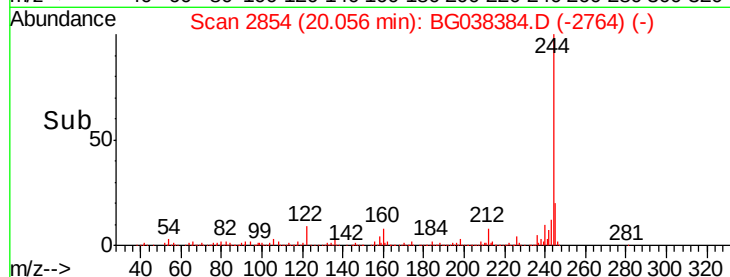
244 100

212 7.7 6.5 9.7

122 8.8 9.0 13.4#



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: 25.04 min Scan# 3703

Delta R.T. -0.01 min

Lab File: BG038384.D

Acq: 6 Dec 2018 14:49

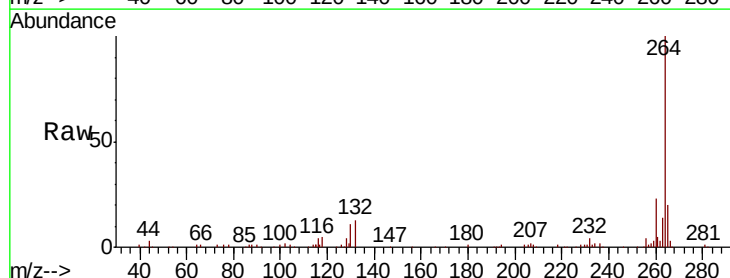
Tgt Ion:264 Resp: 192594

Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.4

265 19.9 17.9 26.9



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

