

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111618\
 Data File : BG038055.D
 Acq On : 17 Nov 2018 5:09
 Operator : JU/SJ
 Sample : J5968-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 19 05:44:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	45586	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	195518	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	122760	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	277541	20.00	ng	0.00
76) Chrysene-d12	21.75	240	252610	20.00	ng	0.00
87) Perylene-d12	25.07	264	257361	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	74209	28.11	ng	0.00
7) Phenol-d6	7.23	99	65565	17.40	ng	0.00
23) Nitrobenzene-d5	9.26	82	161915	44.33	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	88330	63.09	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	386484	45.87	ng	0.00
79) Terphenyl-d14	20.07	244	548996	51.14	ng	0.00

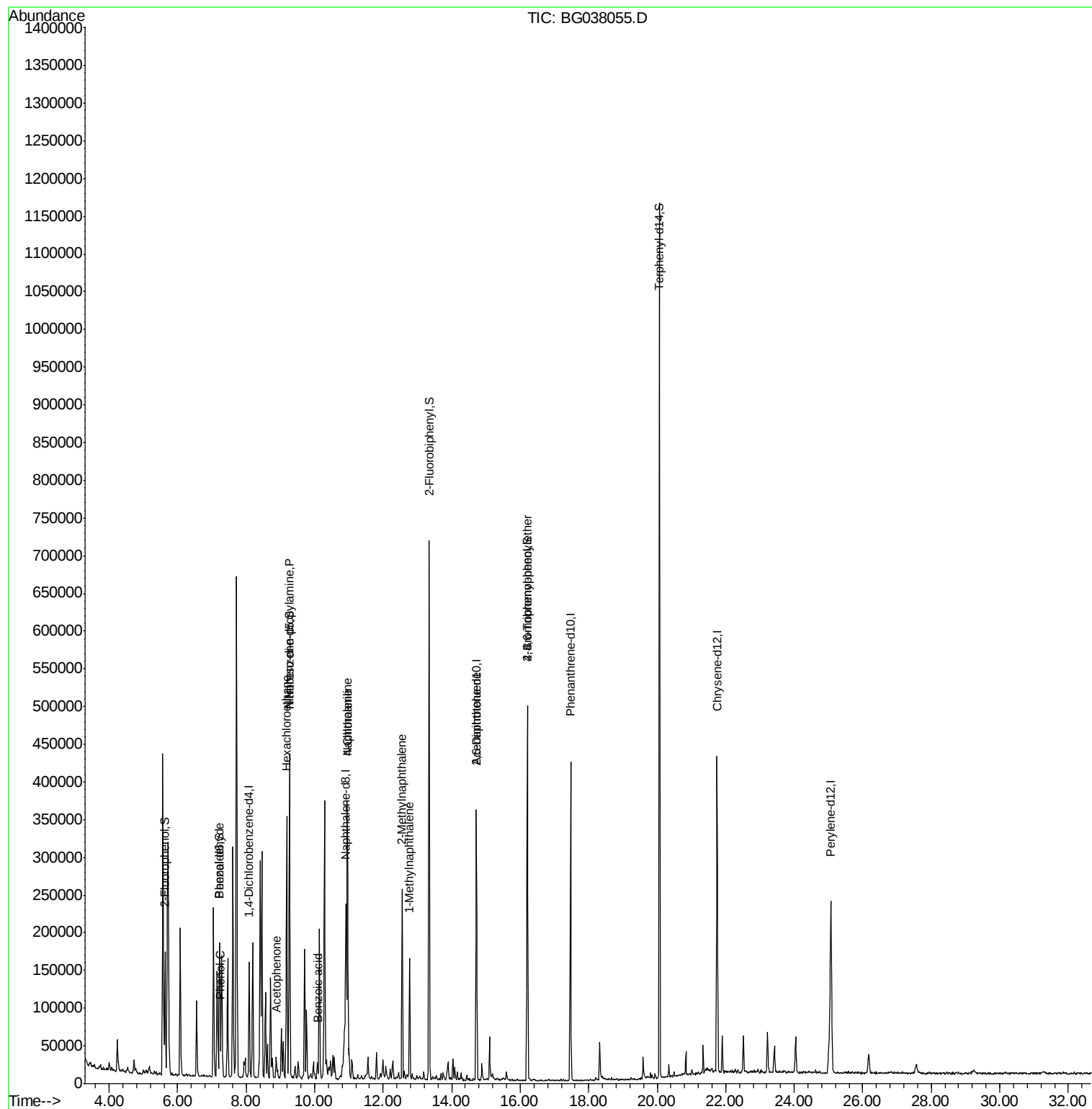
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	9153	3.358	ng	# 1
10) Phenol	7.26	94	13460	3.372	ng	# 99
18) Hexachloroethane	9.18	117	50498	38.919	ng	# 1
19) n-Nitroso-di-n-propylamine	9.26	70	20316	7.450	ng	# 77
22) Acetophenone	8.88	105	27157	5.583	ng	# 52
31) Naphthalene	10.95	128	310348	32.272	ng	# 100
32) Benzoic acid	10.10	122	172	12.404	ng	# 86
33) 4-Chloroaniline	10.96	127	43931	9.821	ng	# 39
37) 2-Methylnaphthalene	12.55	142	126127	18.259	ng	# 99
38) 1-Methylnaphthalene	12.77	142	73579	11.066	ng	# 99
51) 2,6-Dinitrotoluene	14.72	165	16539	7.509	ng	# 27
67) 4-Bromophenyl-phenylether	16.21	248	6425	2.109	ng	# 1

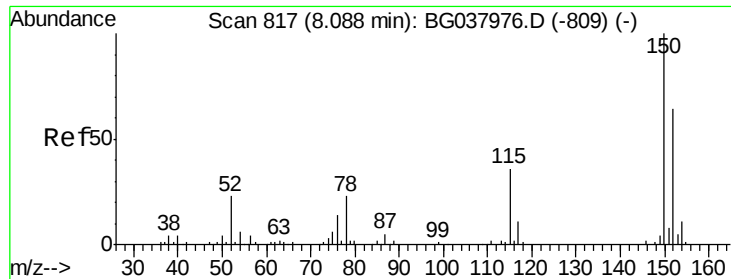
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.09 min Scan# 816

Delta R.T. -0.00 min

Lab File: BG038055.D

Acq: 17 Nov 2018 5:09

Instrument :

BNA_G

ClientSampleId :

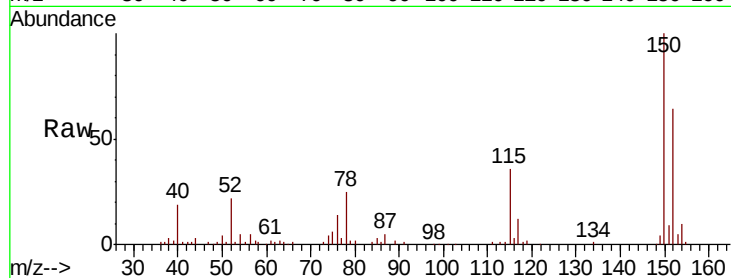
Tot Ion:152 Resp: 45586

Ion Ratio Lower Upper

152 100

150 155.1 126.0 189.0

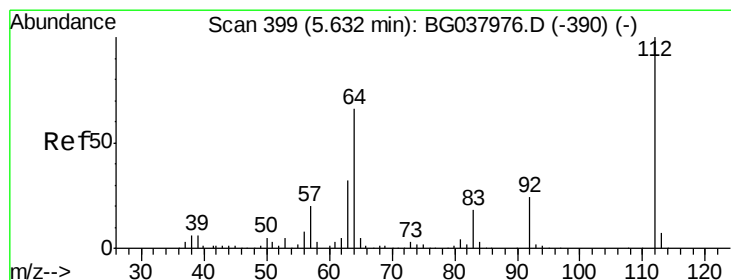
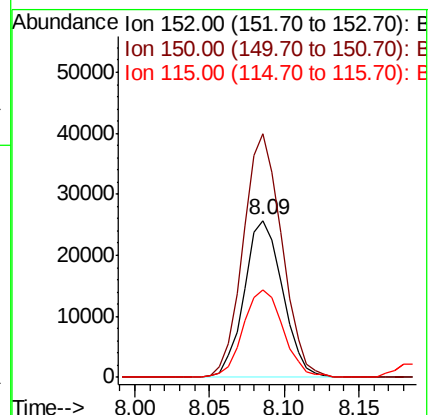
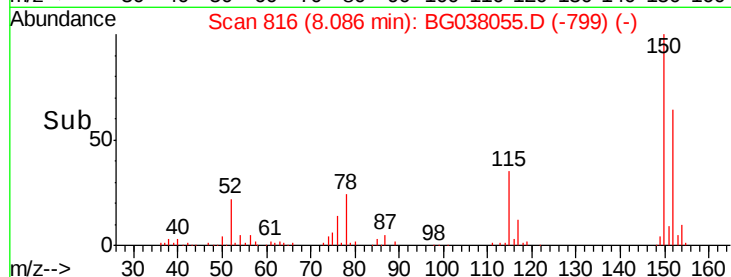
115 55.7 45.5 68.3



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: 28.107 ng

RT: 5.63 min Scan# 398

Delta R.T. -0.00 min

Lab File: BG038055.D

Acq: 17 Nov 2018 5:09

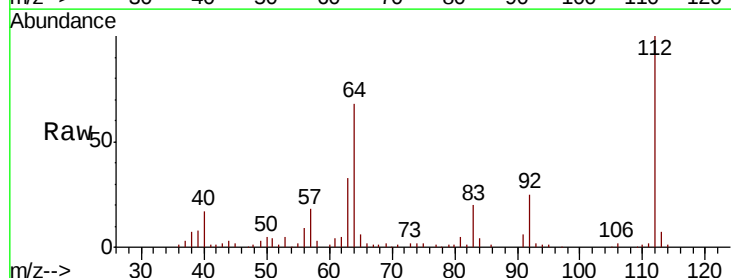
Tgt Ion:112 Resp: 74209

Ion Ratio Lower Upper

112 100

64 68.2 53.1 79.7

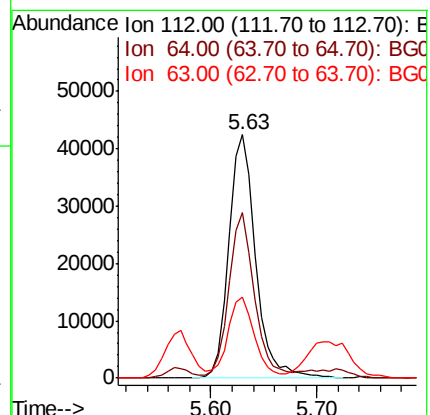
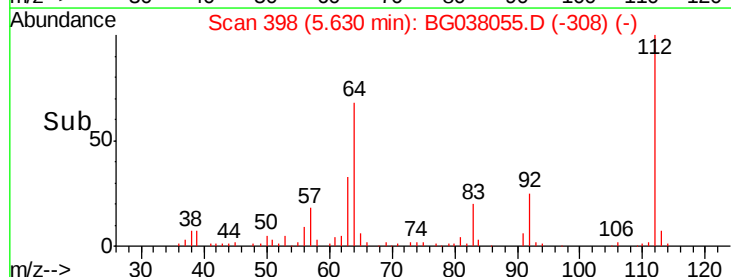
63 33.4 27.3 40.9

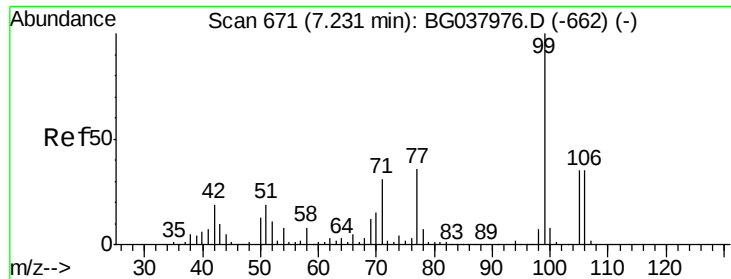


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 17.397 ng

RT: 7.23 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG038055.D

Acq: 17 Nov 2018 5:09

Instrument :

BNA_G

ClientSampled :

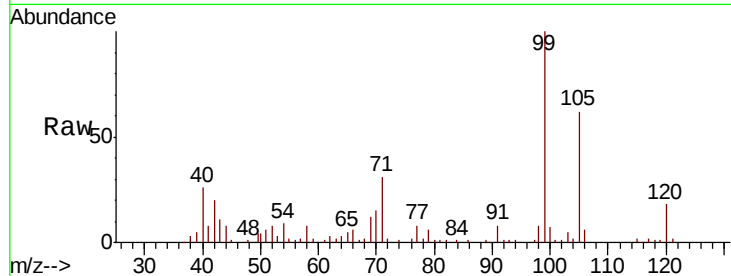
Tot Ion: 99 Resp: 65565

Ion Ratio Lower Upper

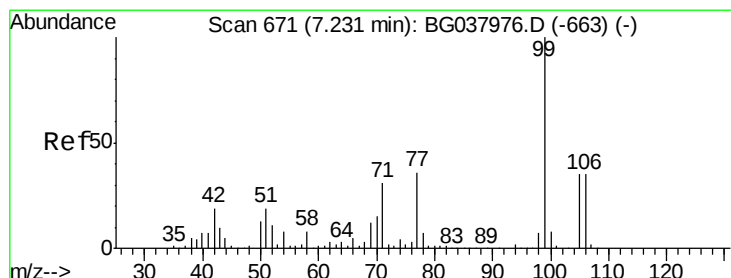
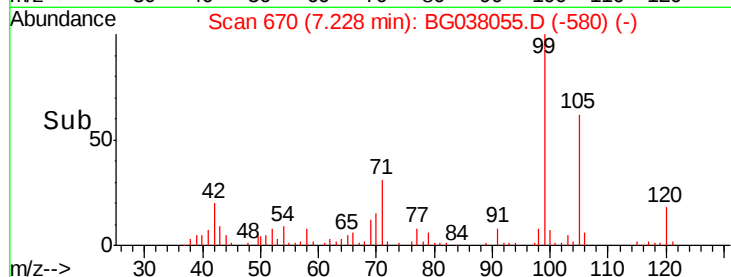
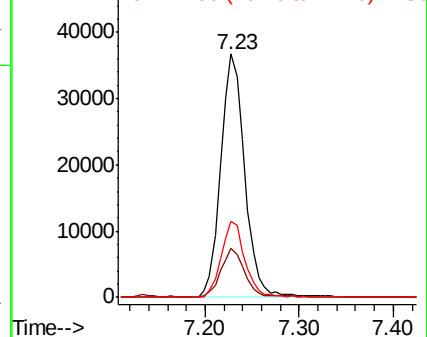
99 100

42 19.9 15.0 22.4

71 30.9 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



#9

Benzaldehyde

Concen: 3.358 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.02 min

Lab File: BG038055.D

Acq: 17 Nov 2018 5:09

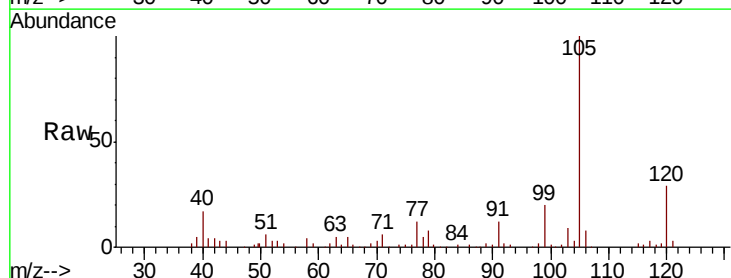
Tgt Ion: 77 Resp: 9153

Ion Ratio Lower Upper

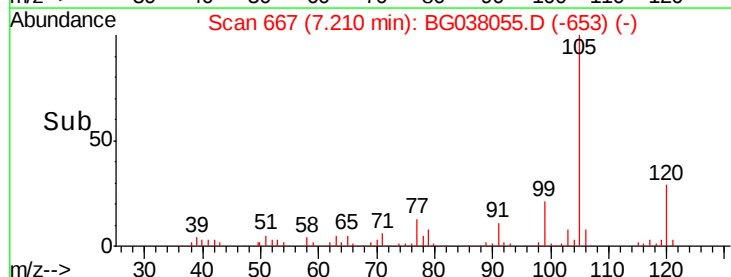
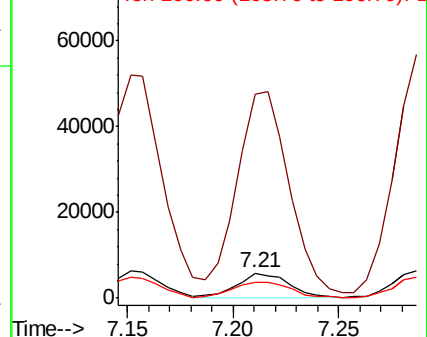
77 100

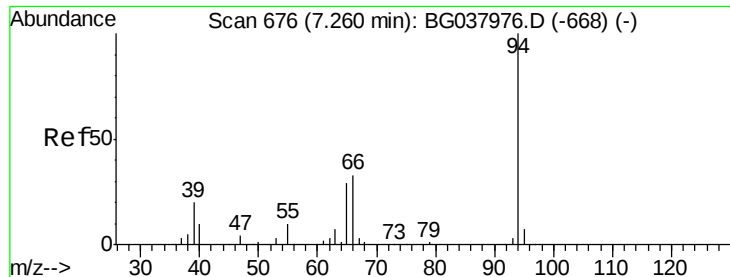
105 811.8 72.6 112.6#

106 65.5 71.3 111.3#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 3.372 ng

RT: 7.26 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG038055.D

Acq: 17 Nov 2018 5:09

Instrument :

BNA_G

ClientSampled :

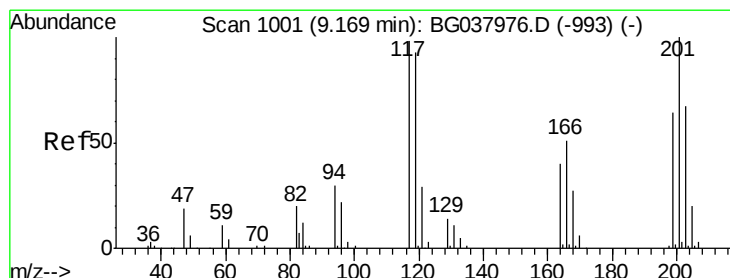
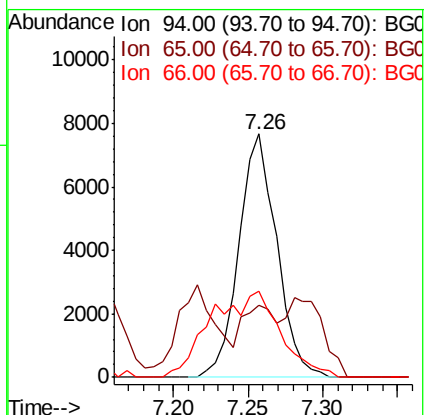
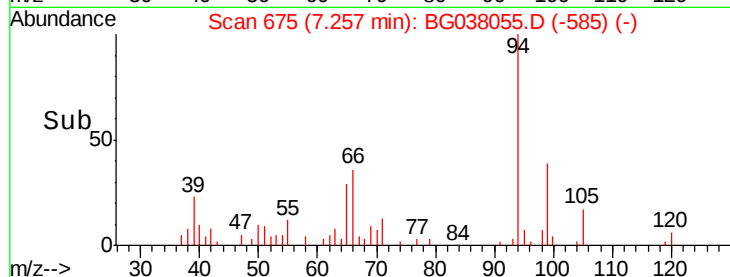
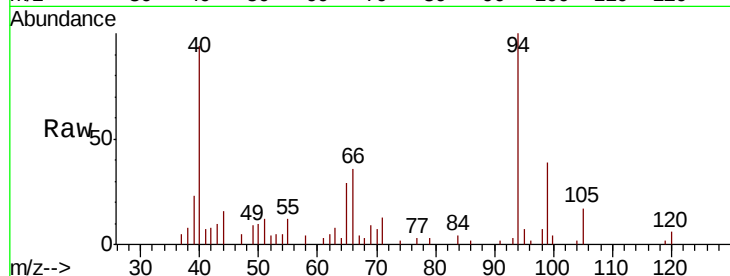
Tot Ion: 94 Resp: 13460

Ion Ratio Lower Upper

94 100

65 29.4 9.7 49.7

66 35.5 15.9 55.9



#18

Hexachloroethane

Concen: 38.919 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.01 min

Lab File: BG038055.D

Acq: 17 Nov 2018 5:09

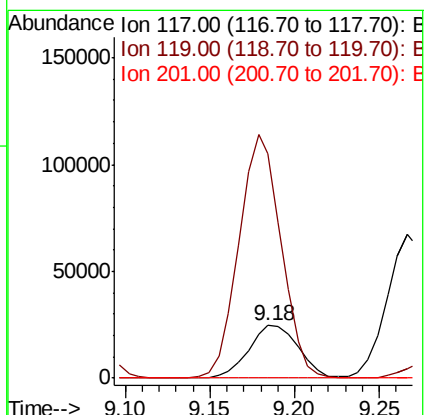
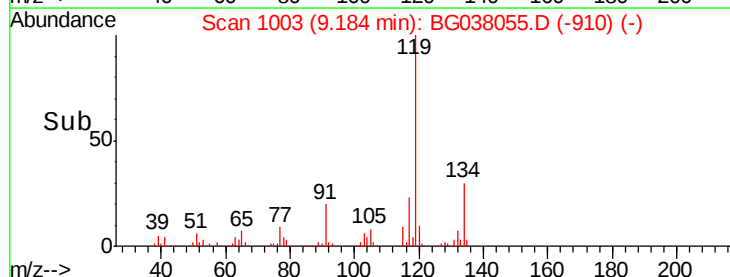
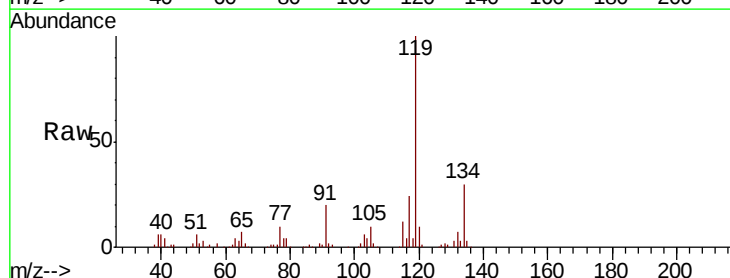
Tgt Ion: 117 Resp: 50498

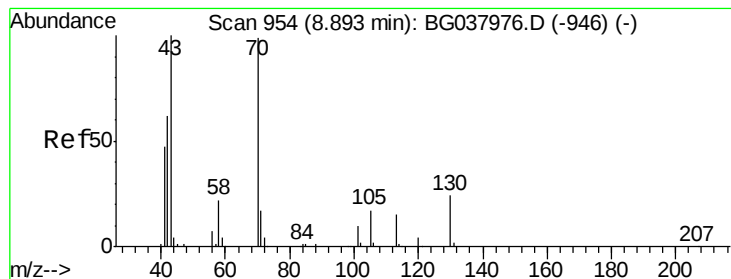
Ion Ratio Lower Upper

117 100

119 424.7 74.6 111.8#

201 0.0 80.8 121.2#





#19

n-Nitroso-di-n-propylamine

Concen: 7.450 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.37 min

Lab File: BG038055.D

Acq: 17 Nov 2018 5:09

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 20316

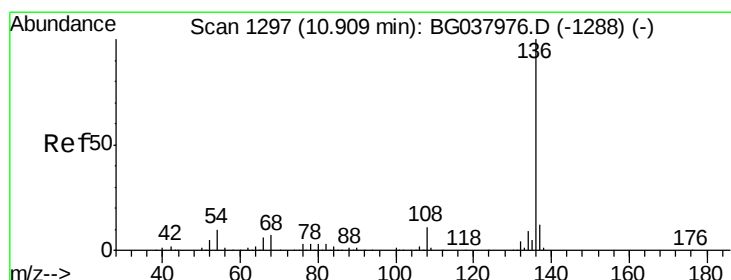
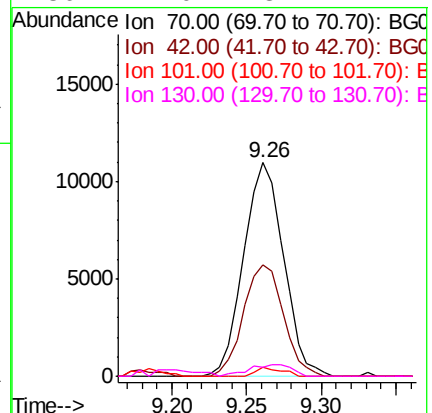
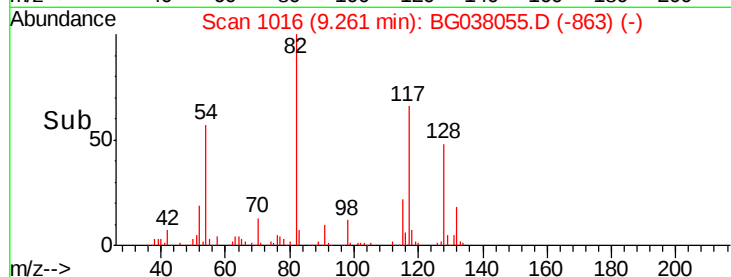
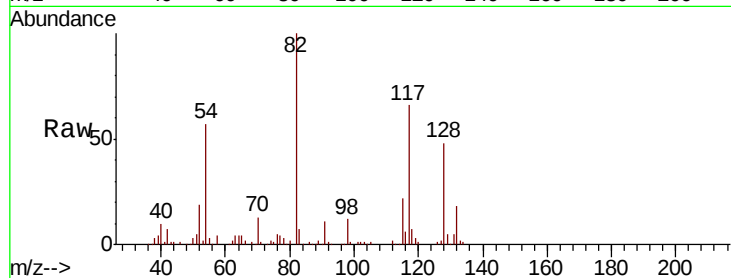
Ion Ratio Lower Upper

70 100

42 52.3 53.9 80.9#

101 4.1 8.2 12.2#

130 4.0 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.91 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BG038055.D

Acq: 17 Nov 2018 5:09

Tgt Ion: 136 Resp: 195518

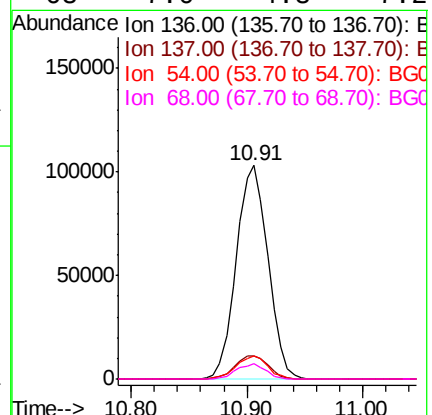
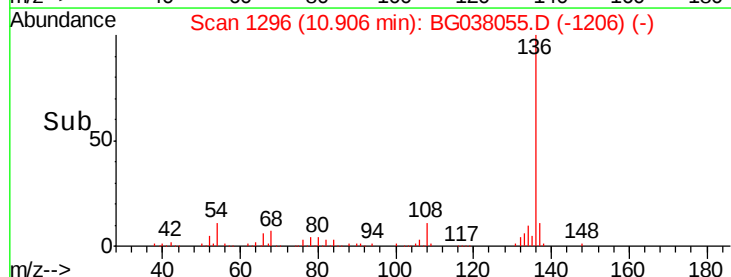
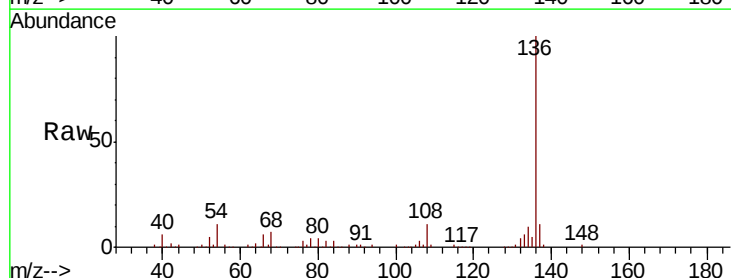
Ion Ratio Lower Upper

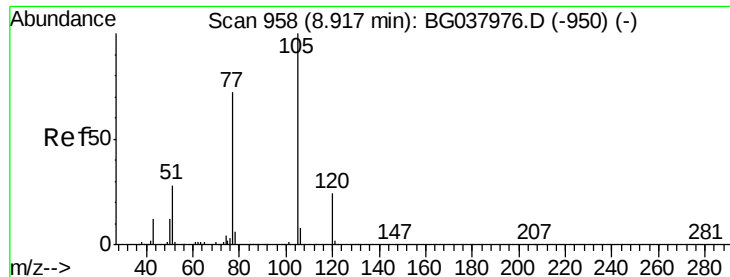
136 100

137 11.0 9.6 14.4

54 11.0 7.9 11.9

68 7.0 4.8 7.2





#22

Acetophenone

Concen: 5.583 ng

RT: 8.88 min Scan# 951

Delta R.T. -0.04 min

Lab File: BG038055.D

Acq: 17 Nov 2018 5:09

Instrument :

BNA_G

ClientSampleId :

Tot Ion:105 Resp: 27157

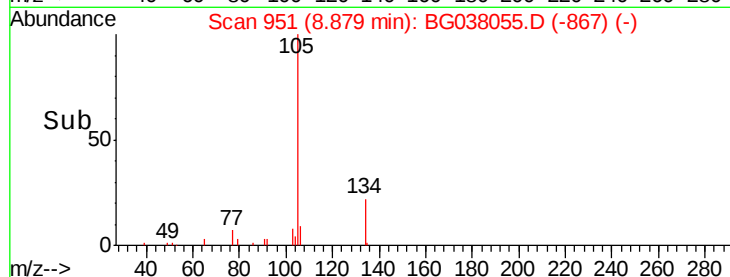
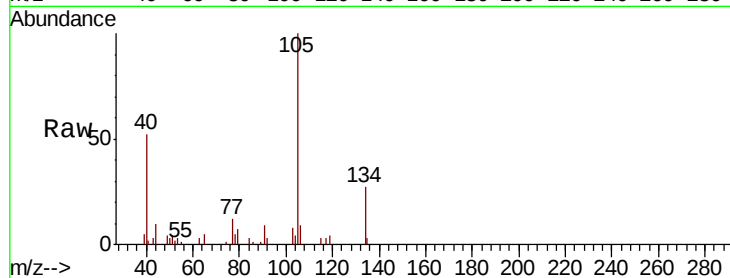
Ion Ratio Lower Upper

105 100

71 0.0 1.2 1.8#

51 3.9 25.0 37.6#

120 0.0 18.6 28.0#

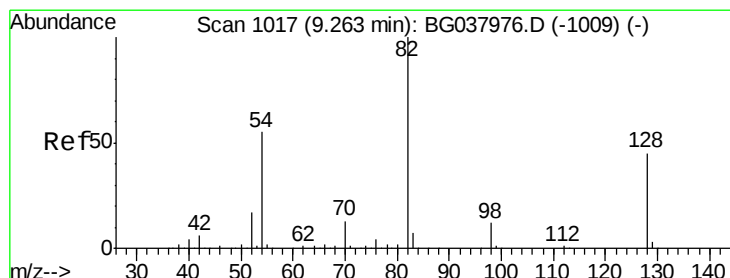
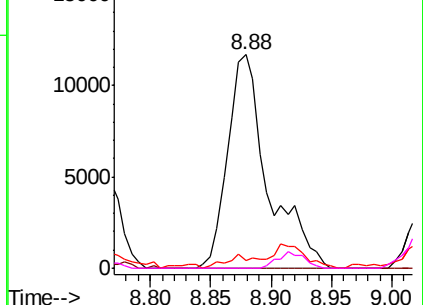


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 44.330 ng

RT: 9.26 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BG038055.D

Acq: 17 Nov 2018 5:09

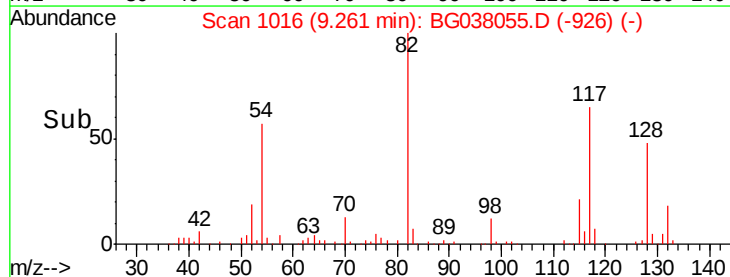
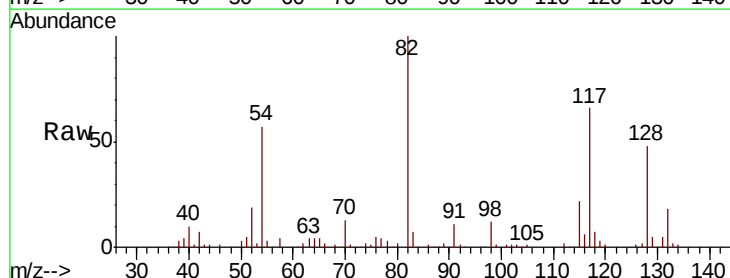
Tgt Ion: 82 Resp: 161915

Ion Ratio Lower Upper

82 100

128 47.7 34.6 51.8

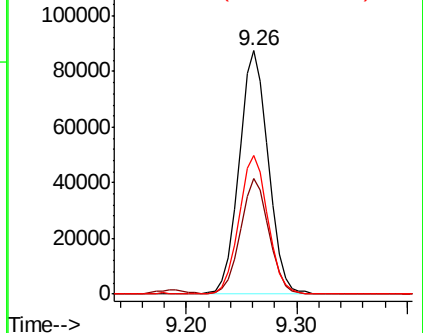
54 56.8 45.3 67.9

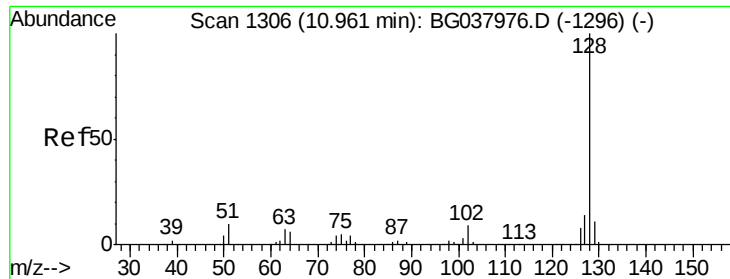


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

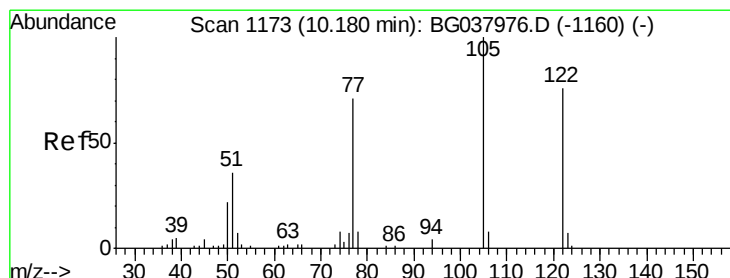
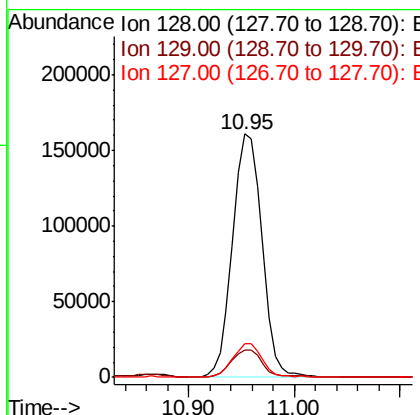
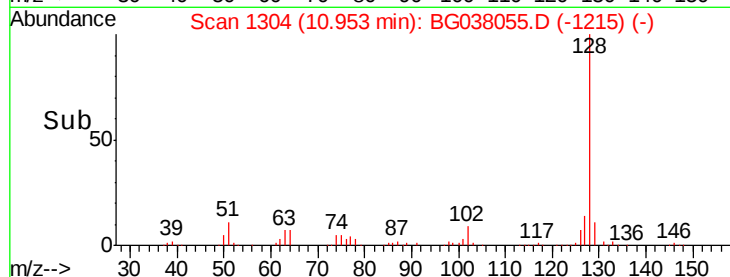
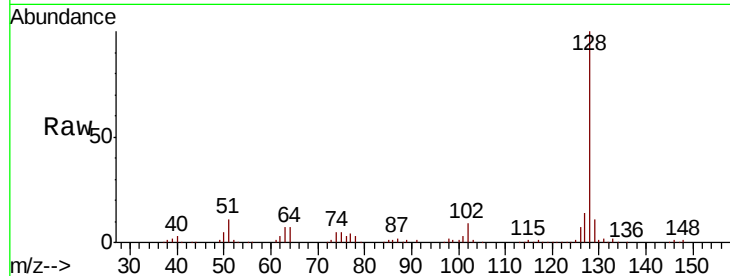




#31
Naphthalene
Concen: 32.272 ng
RT: 10.95 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BG038055.D
Acq: 17 Nov 2018 5:09

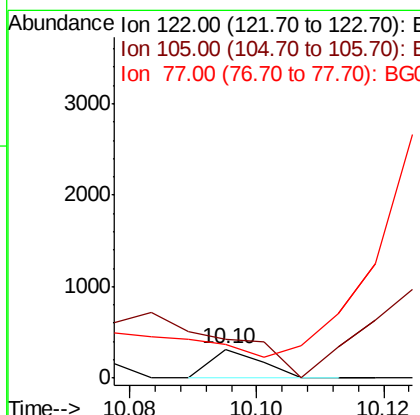
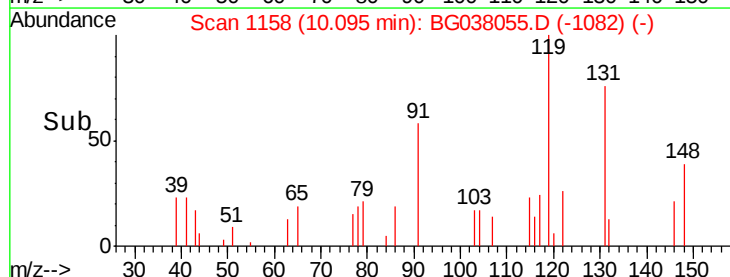
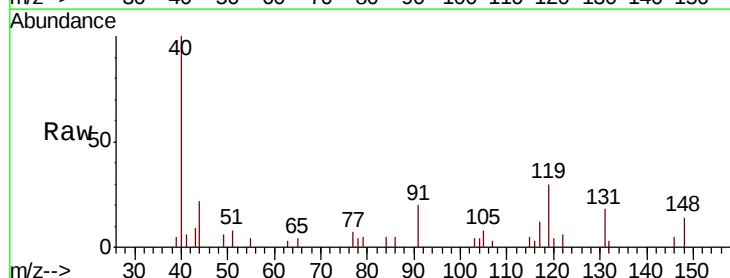
Instrument :
BNA_G
ClientSampleId :

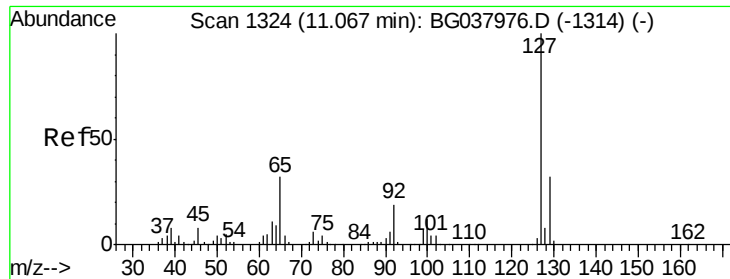
Tot Ion:128 Resp: 310348
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.9 11.1 16.7



#32
Benzoic acid
Concen: 12.404 ng
RT: 10.10 min Scan# 1158
Delta R.T. -0.08 min
Lab File: BG038055.D
Acq: 17 Nov 2018 5:09

Tgt Ion:122 Resp: 172
Ion Ratio Lower Upper
122 100
105 131.9 106.7 146.7
77 117.0 72.2 112.2#

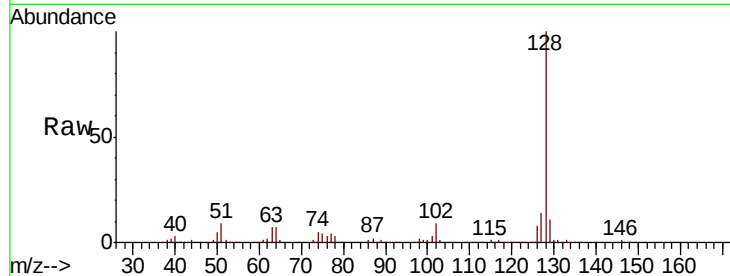




#33
4-Chloroaniline
Concen: 9.821 ng
RT: 10.96 min Scan# 1305
Delta R.T. -0.11 min
Lab File: BG038055.D
Acq: 17 Nov 2018 5:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
127	100		
129	79.1	27.1	40.7#
65	3.5	26.6	39.8#
92	0.0	16.4	24.6#



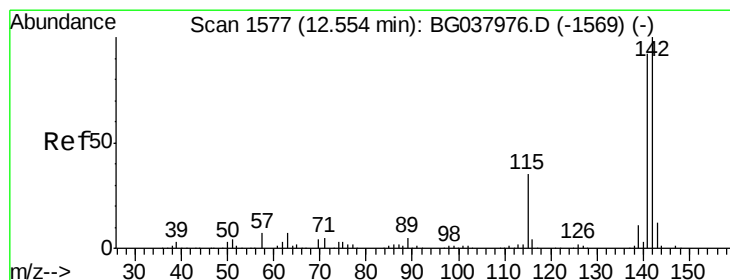
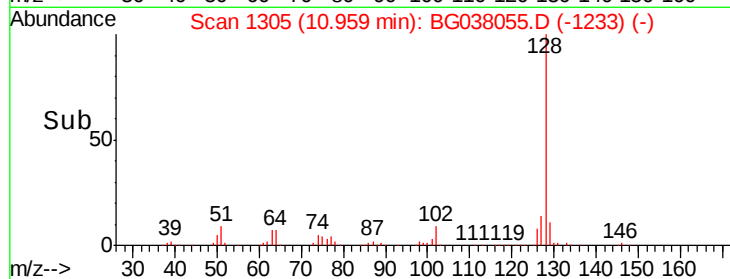
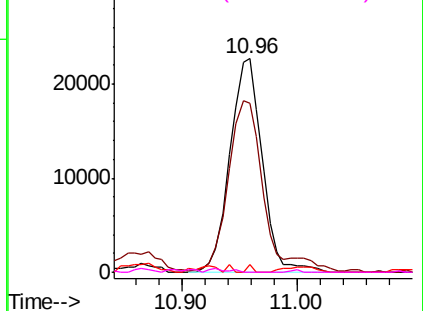
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

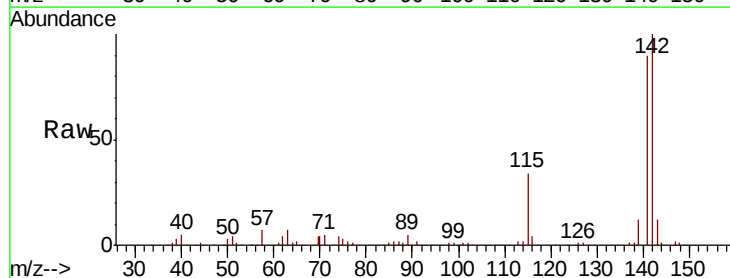
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#37
2-Methylnaphthalene
Concen: 18.259 ng
RT: 12.55 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BG038055.D
Acq: 17 Nov 2018 5:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.9	107.9
115	34.1	27.8	41.8

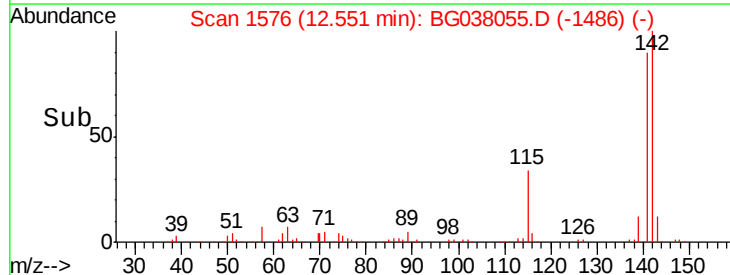
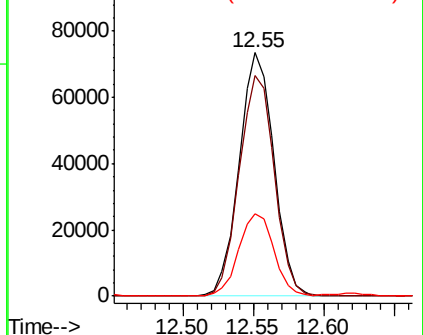


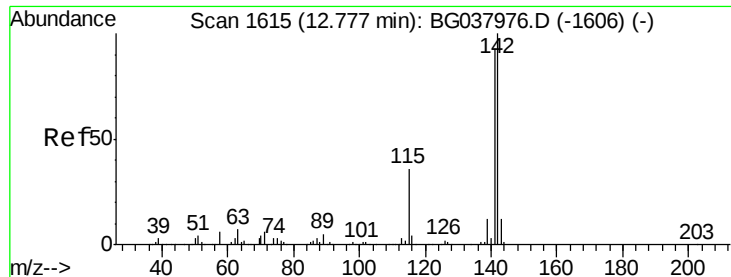
Abundance

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

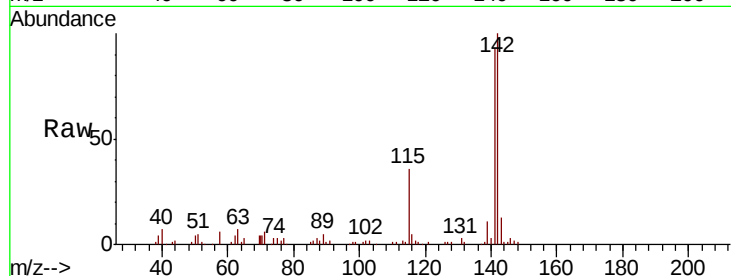




#38
1-Methylnaphthalene
Concen: 11.066 ng
RT: 12.77 min Scan# 1613
Delta R.T. -0.01 min
Lab File: BG038055.D
Acq: 17 Nov 2018 5:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.3	75.2	112.8
116	4.7	3.3	4.9

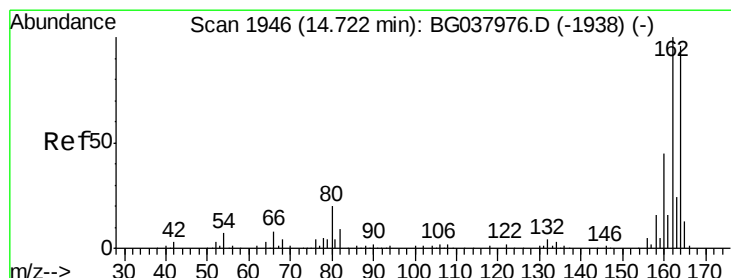
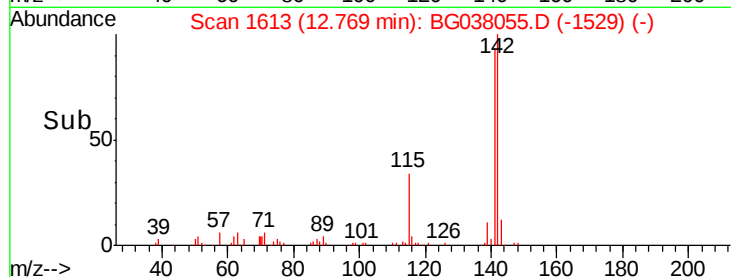
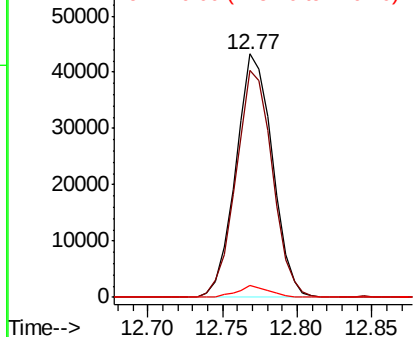


Abundance

Ion 142.00 (141.70 to 142.70): E

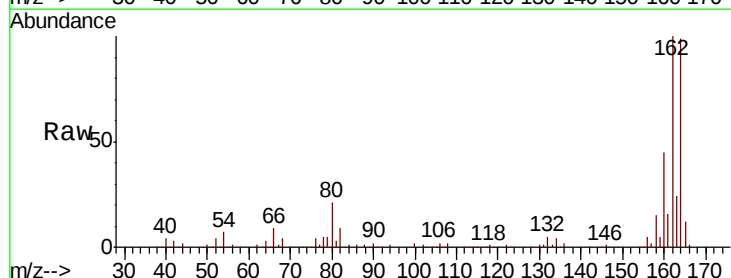
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1945
Delta R.T. -0.00 min
Lab File: BG038055.D
Acq: 17 Nov 2018 5:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.3	121.9
160	45.8	36.3	54.5

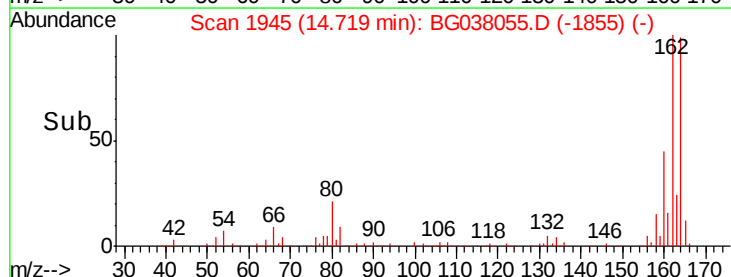
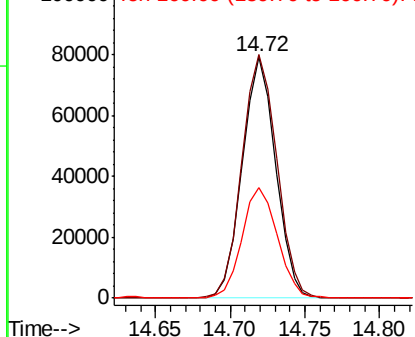


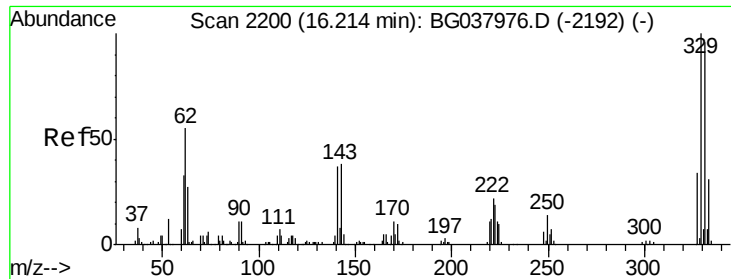
Abundance

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

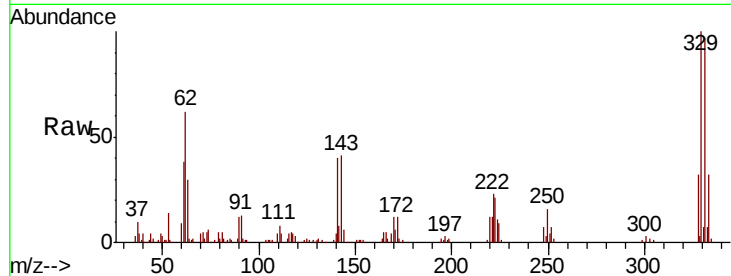




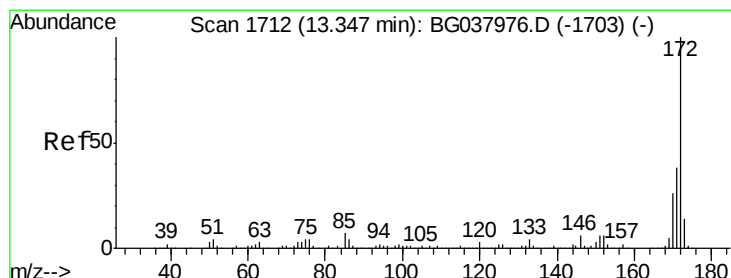
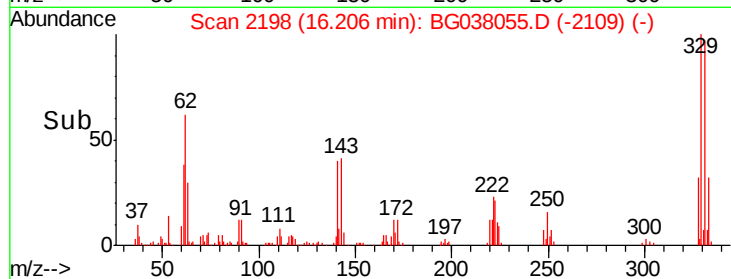
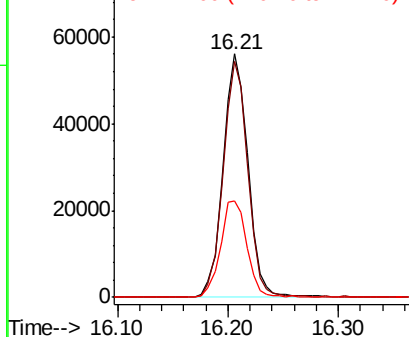
#42
 2,4,6-Tribromophenol
 Concen: 63.091 ng
 RT: 16.21 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG038055.D
 Acq: 17 Nov 2018 5:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.4	117.6
141	42.0	32.2	48.2

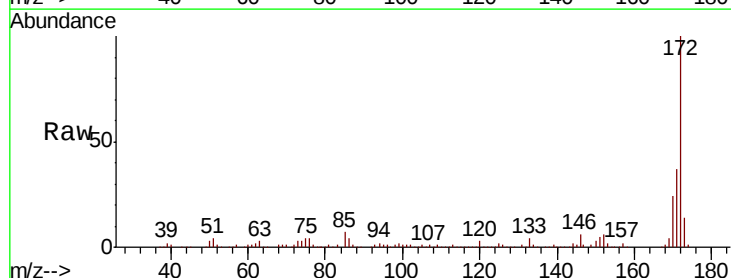


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

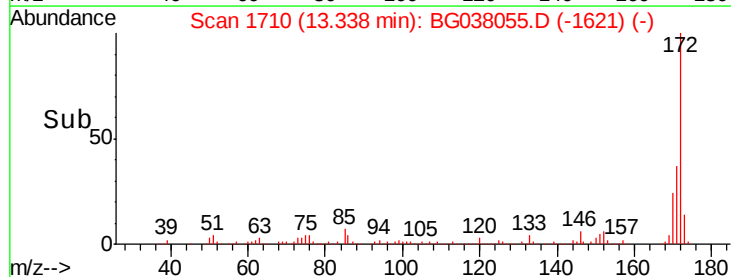
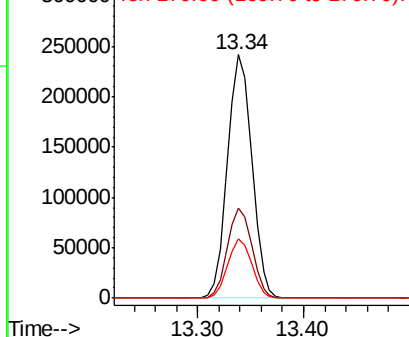


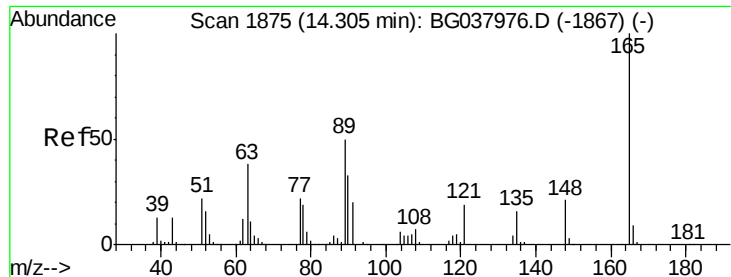
#45
 2-Fluorobiphenyl
 Concen: 45.866 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG038055.D
 Acq: 17 Nov 2018 5:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	31.0	46.4
170	24.3	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

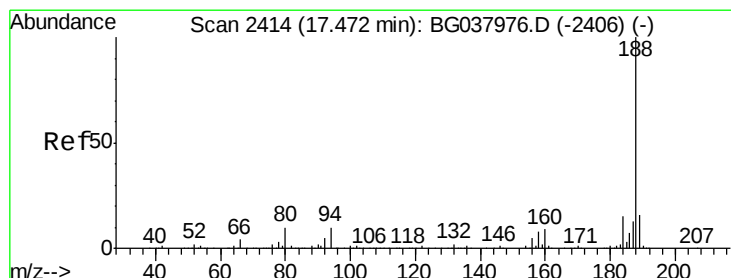
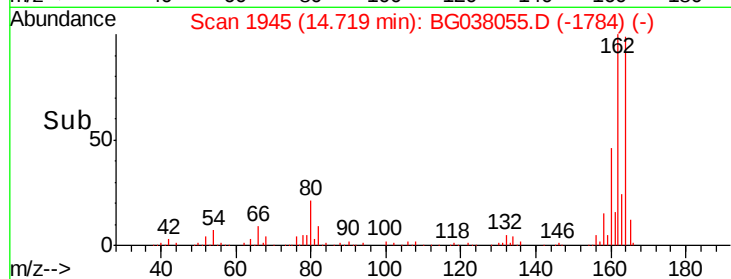
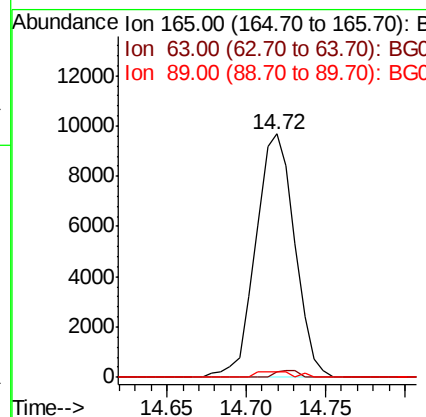
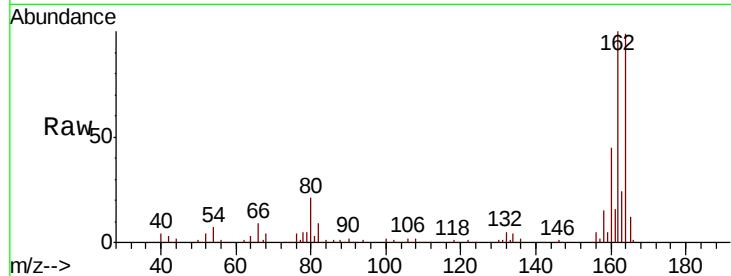




#51
 2,6-Dinitrotoluene
 Concen: 7.509 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.41 min
 Lab File: BG038055.D
 Acq: 17 Nov 2018 5:09

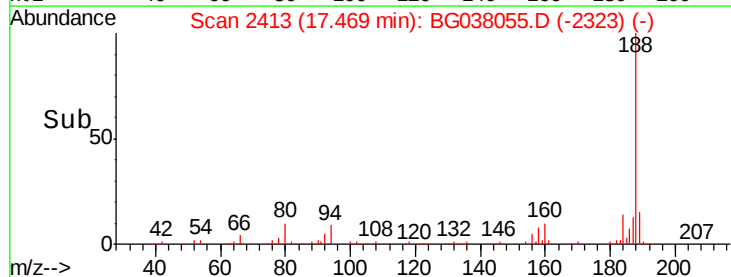
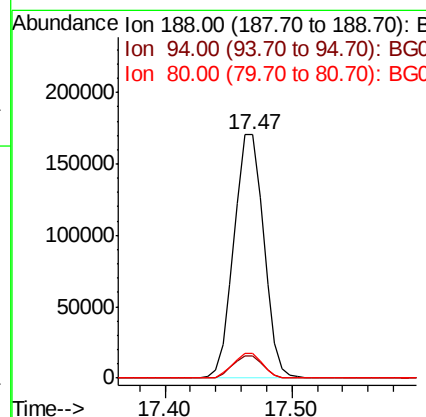
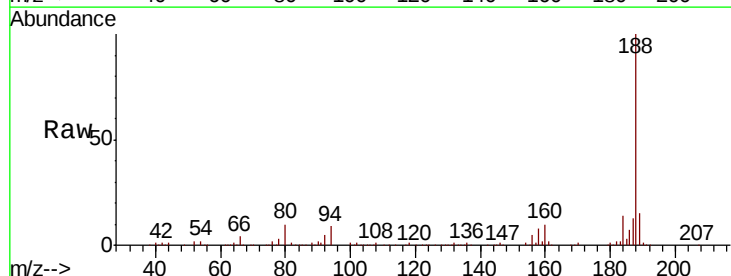
Instrument :
 BNA_G
 ClientSampleId :

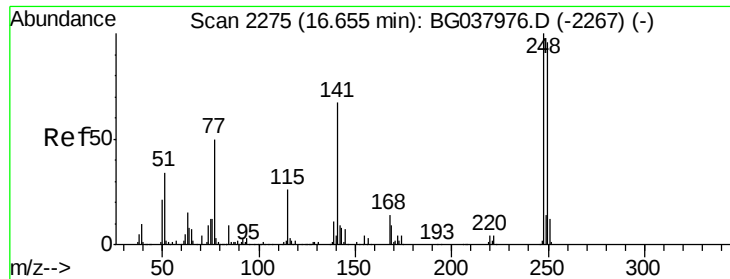
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	43.4	65.2#
89	2.4	45.8	68.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2413
 Delta R.T. -0.00 min
 Lab File: BG038055.D
 Acq: 17 Nov 2018 5:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	10.2	7.7	11.5

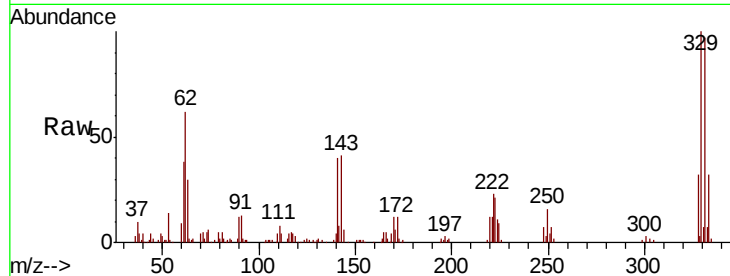




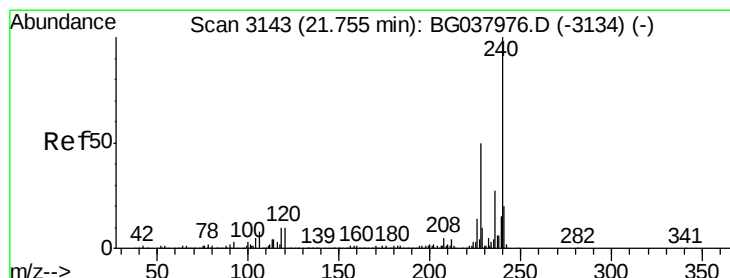
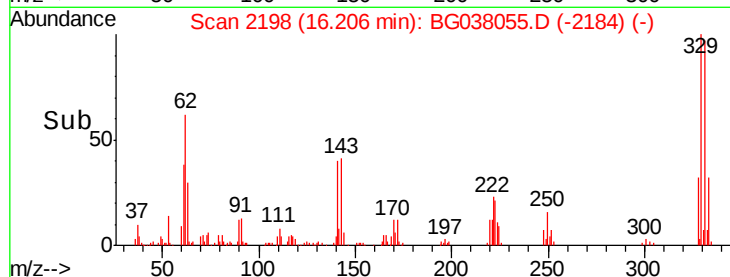
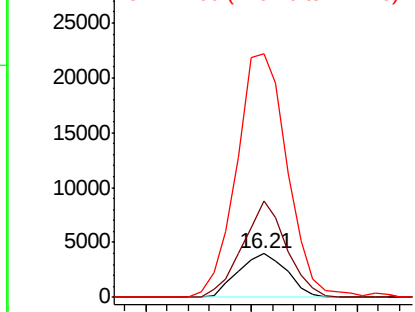
#67
 4-Bromophenyl-phenylether
 Concen: 2.109 ng
 RT: 16.21 min Scan# 2198
 Delta R.T. -0.45 min
 Lab File: BG038055.D
 Acq: 17 Nov 2018 5:09

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 6425
 Ion Ratio Lower Upper
 248 100
 250 203.5 77.0 115.6#
 141 414.0 55.5 83.3#

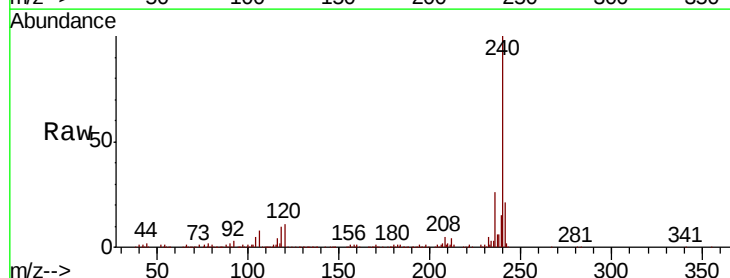


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

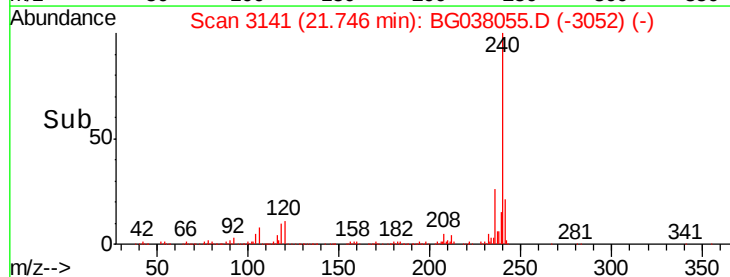
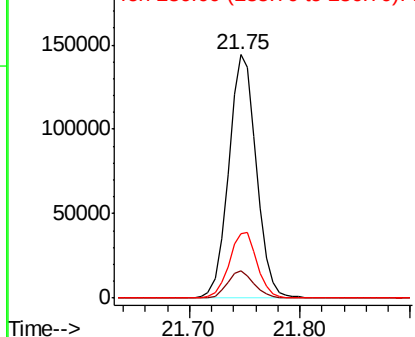


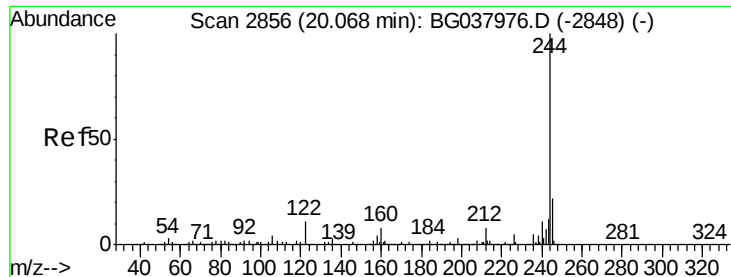
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3141
 Delta R.T. -0.01 min
 Lab File: BG038055.D
 Acq: 17 Nov 2018 5:09

Tgt Ion:240 Resp: 252610
 Ion Ratio Lower Upper
 240 100
 120 11.3 8.1 12.1
 236 26.2 21.4 32.0



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





#79

Terphenyl-d14

Concen: 51.138 ng

RT: 20.07 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG038055.D

Acq: 17 Nov 2018 5:09

Instrument :

BNA_G

ClientSampled :

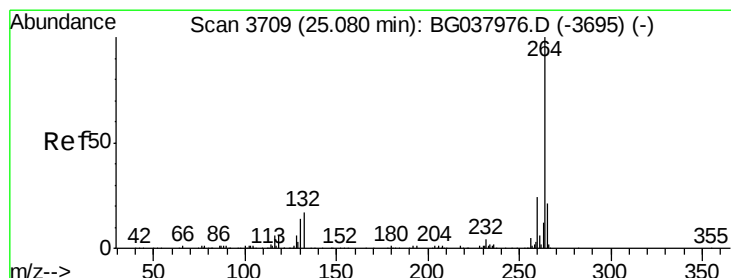
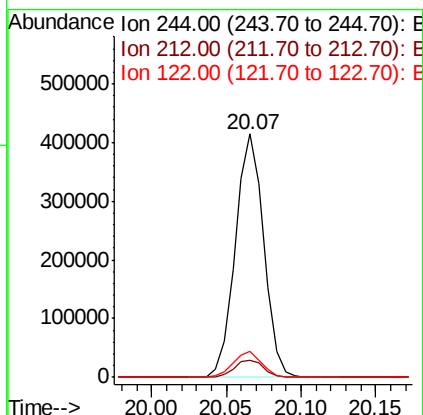
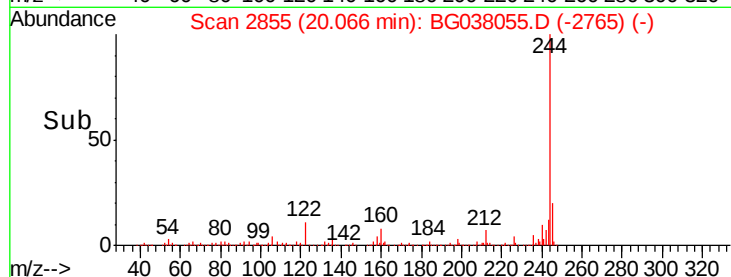
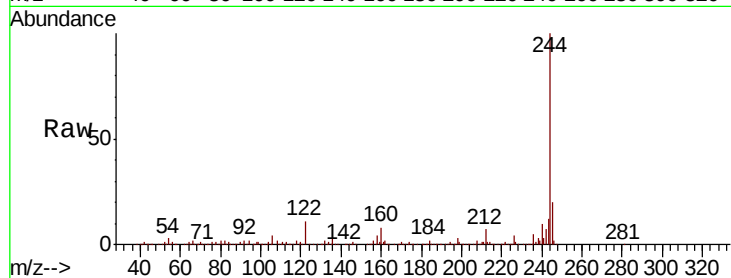
Tot Ion:244 Resp: 548996

Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

122 10.6 9.0 13.4



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.07 min Scan# 3706

Delta R.T. -0.01 min

Lab File: BG038055.D

Acq: 17 Nov 2018 5:09

Tgt Ion:264 Resp: 257361

Ion Ratio Lower Upper

264 100

260 22.2 18.2 27.4

265 22.2 17.9 26.9

