

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121423\
 Data File : BG060019.D
 Acq On : 14 Dec 2023 19:43
 Operator : MA/JU
 Sample : 05612-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-06S

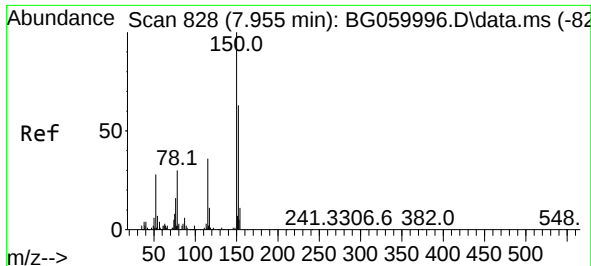
Quant Time: Dec 15 02:37:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 01:47:12 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	90638	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	322601	20.000	ng	# 0.02
39) Acenaphthene-d10	14.593	164	283979	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	848072	20.000	ng	0.00
76) Chrysene-d12	21.608	240	777151	20.000	ng	# 0.00
86) Perylene-d12	24.798	264	936186	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.521	112	241275	45.569	ng	0.00
7) Phenol-d6	7.107	99	235102	31.566	ng	0.00
23) Nitrobenzene-d5	9.117	82	463903	65.297	ng	0.00
42) 2,4,6-Tribromophenol	16.079	330	707827	106.954	ng	0.00
45) 2-Fluorobiphenyl	13.218	172	1501862	64.727	ng	0.00
79) Terphenyl-d14	19.963	244	3022321	71.001	ng	0.00
Target Compounds						
9) Benzaldehyde	7.102	77	32118	7.092	ng	# 1
15) Benzyl Alcohol	8.071	79	32004	5.346	ng	# 8
18) Hexachloroethane	9.070	117	40697	19.242	ng	# 1
19) n-Nitroso-di-n-propyla...	9.117	70	65713	13.675	ng	# 73
24) Nitrobenzene	9.146	77	32600	4.520	ng	# 7
31) Naphthalene	10.868	128	15969849	950.930	ng	# 11
33) 4-Chloroaniline	10.868	127	5061617	792.105	ng	# 27
37) 2-Methylnaphthalene	12.431	142	2225494	168.959	ng	91
38) 1-Methylnaphthalene	12.431	142	2225494	171.046	ng	97
46) 1,1'-Biphenyl	13.424	154	379309	18.011	ng	98
49) Acenaphthylene	14.311	152	54001	2.164	ng	# 68
51) 2,6-Dinitrotoluene	13.988	165	10938	2.395	ng	# 73
52) Acenaphthene	14.663	154	2232605	130.001	ng	97
55) Dibenzofuran	14.992	168	133178	4.764	ng	# 97
58) Fluorene	15.639	166	719607	30.529	ng	98
67) 4-Bromophenyl-phenylether	16.079	248	39893	3.334	ng	# 1
69) Atrazine	17.055	200	427	Below Cal		87
70) Pentachlorophenol	16.984	266	75694	8.353	ng	96
71) Phenanthrene	17.384	178	1102594	26.841	ng	99
72) Anthracene	17.472	178	196317	4.753	ng	99
73) Carbazole	17.742	167	213409	6.080	ng	99
78) Pyrene	19.757	202	128596	2.730	ng	97

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

Quant Time: Dec 15 02:37:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 01:47:12 2023
Response via : Initial Calibration

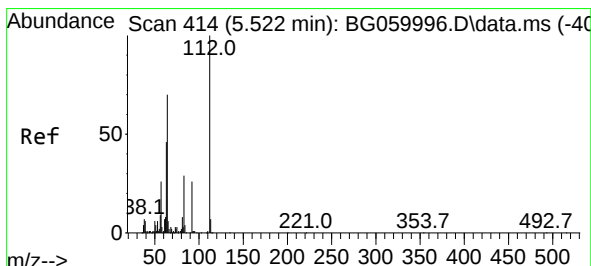
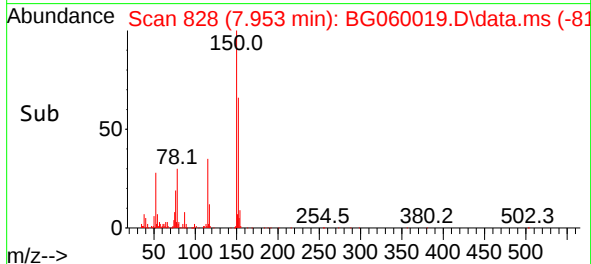
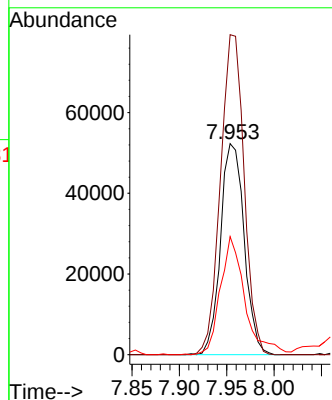
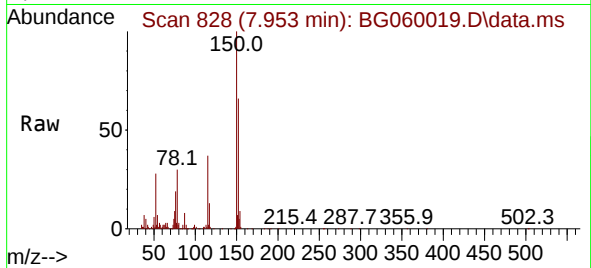




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

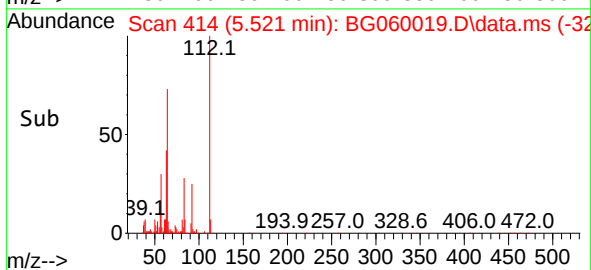
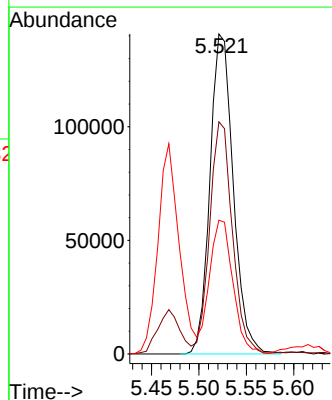
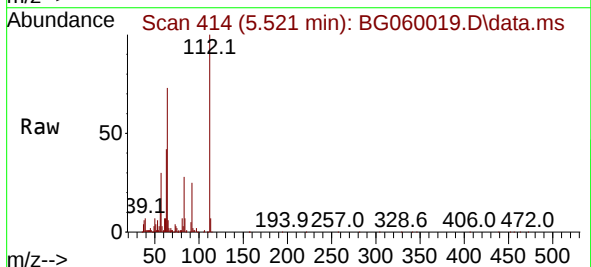
Instrument :
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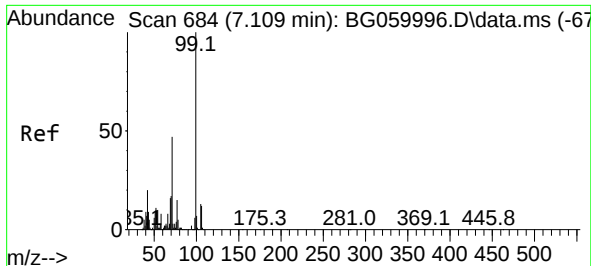
Tgt Ion:152 Resp: 90638
Ion Ratio Lower Upper
152 100
150 151.6 127.0 190.6
115 55.9 45.7 68.5



#5
2-Fluorophenol
Concen: 45.569 ng
RT: 5.521 min Scan# 414
Delta R.T. -0.001 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Tgt Ion:112 Resp: 241275
Ion Ratio Lower Upper
112 100
64 72.6 55.9 83.9
63 41.8 36.5 54.7



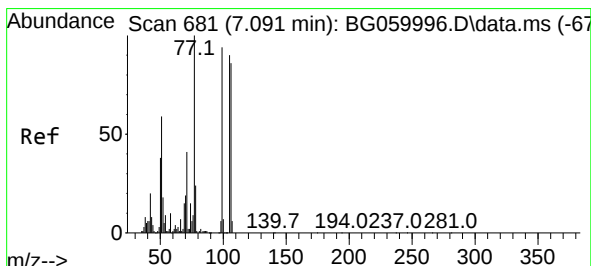
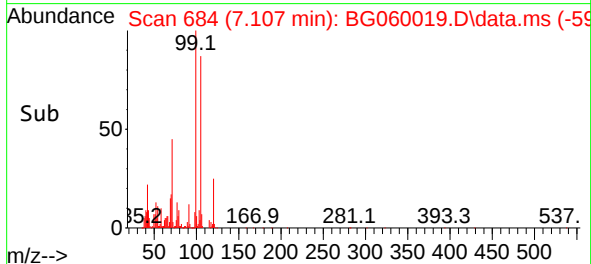
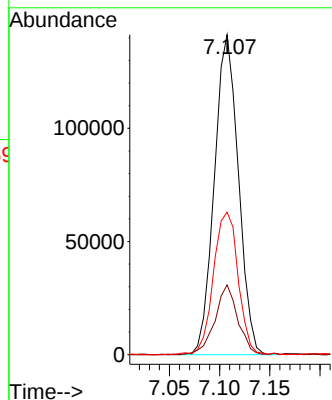
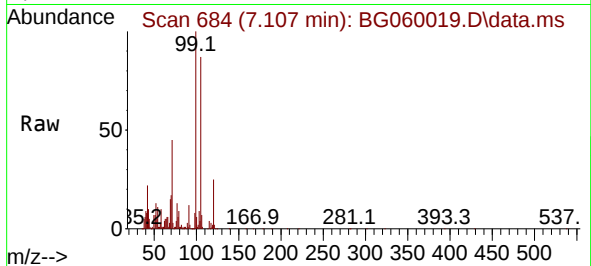


#7
Phenol-d6
Concen: 31.566 ng
RT: 7.107 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Instrument :
BNA_G
ClientSampleId :
MW-06S

Tgt Ion: 99 Resp: 235102

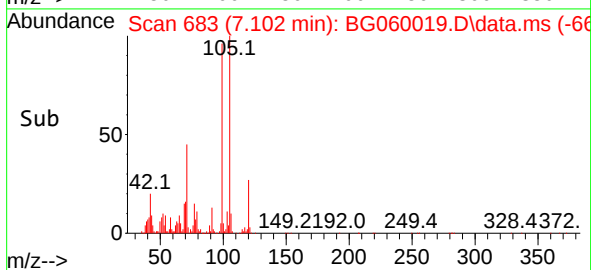
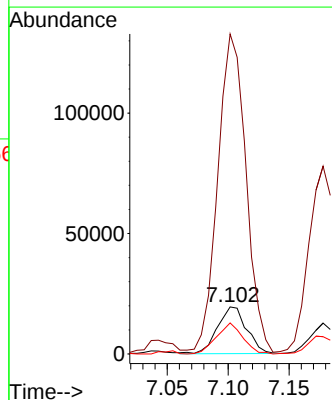
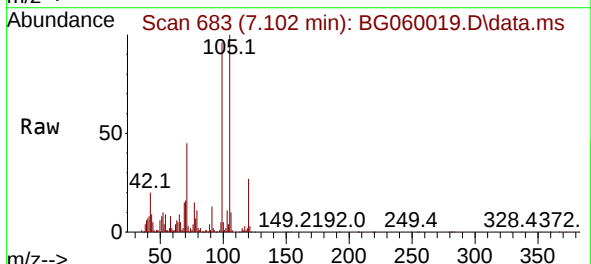
Ion	Ratio	Lower	Upper
99	100		
42	21.8	16.2	24.4
71	44.5	37.6	56.4

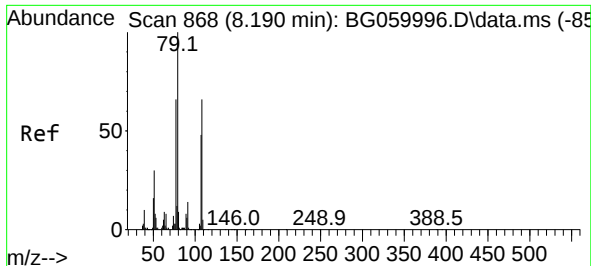


#9
Benzaldehyde
Concen: 7.092 ng
RT: 7.102 min Scan# 683
Delta R.T. 0.011 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Tgt Ion: 77 Resp: 32118

Ion	Ratio	Lower	Upper
77	100		
105	680.4	70.5	110.5#
106	66.0	66.0	106.0#

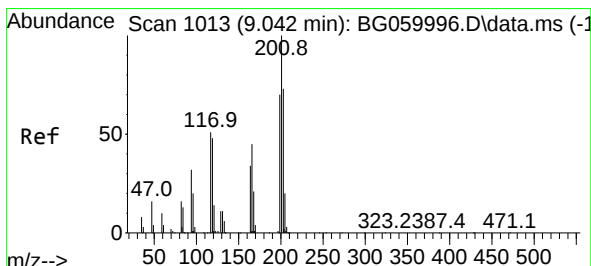
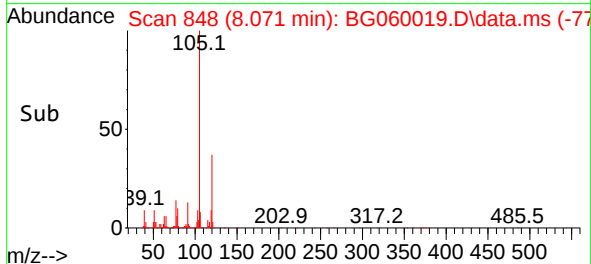
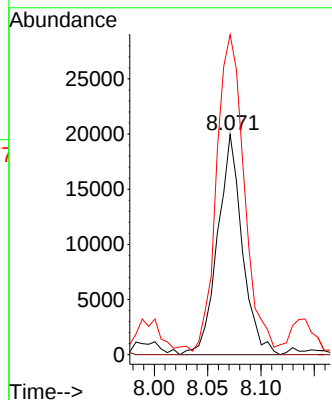
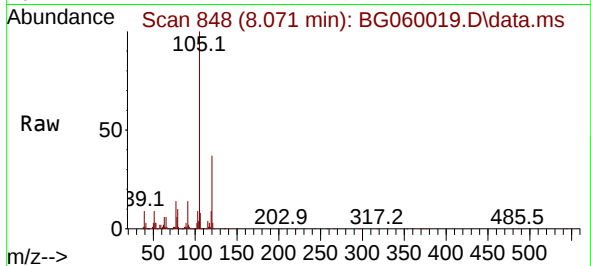




#15
Benzyl Alcohol
Concen: 5.346 ng
RT: 8.071 min Scan# 84
Delta R.T. -0.119 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

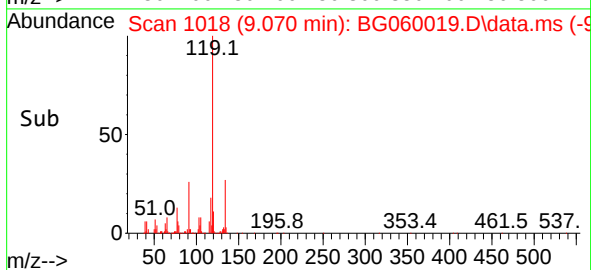
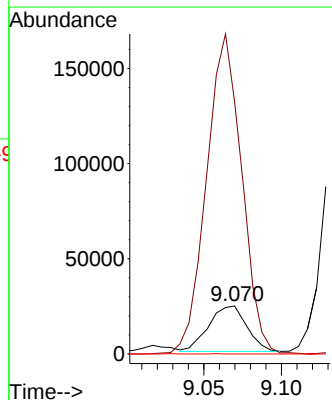
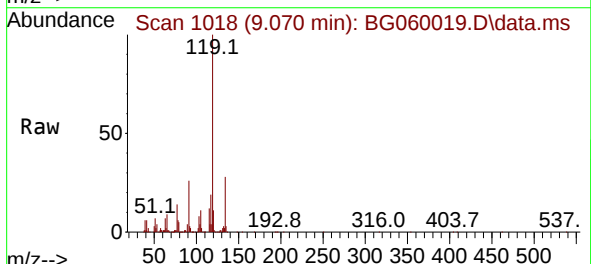
Instrument :
BNA_G
ClientSampleId :
MW-06S

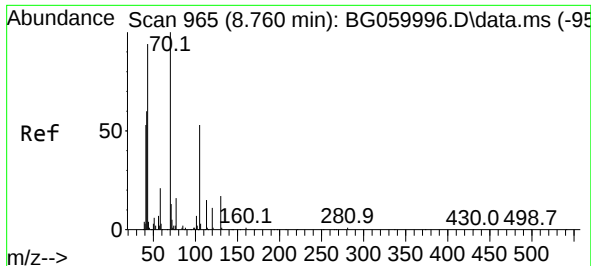
Tgt Ion: 79 Resp: 32004
Ion Ratio Lower Upper
79 100
108 0.0 53.1 79.7#
77 145.4 52.8 79.2#



#18
Hexachloroethane
Concen: 19.242 ng
RT: 9.070 min Scan# 1018
Delta R.T. 0.028 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Tgt Ion: 117 Resp: 40697
Ion Ratio Lower Upper
117 100
119 526.1 74.5 111.7#
201 0.0 156.5 234.7#

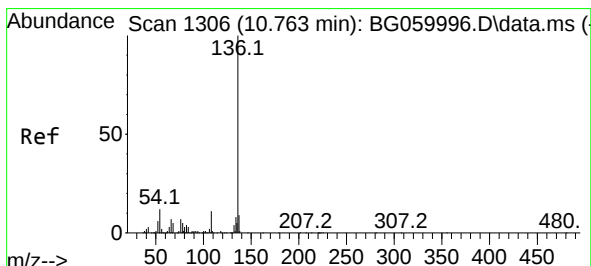
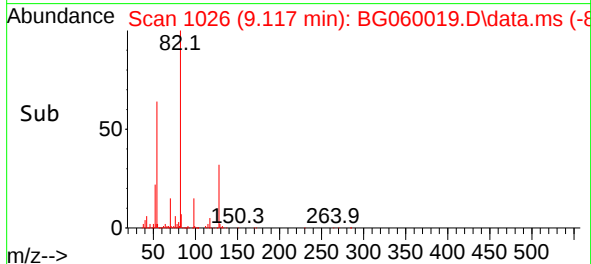
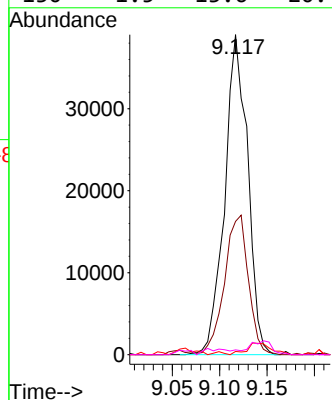
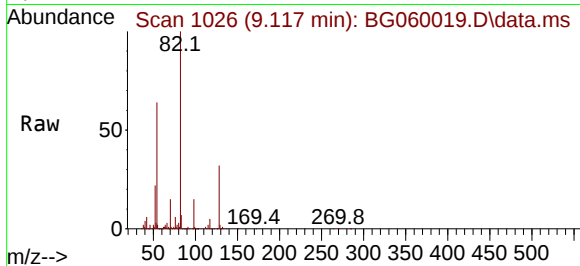




#19
n-Nitroso-di-n-propylamine
Concen: 13.675 ng
RT: 9.117 min Scan# 1026
Delta R.T. 0.357 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

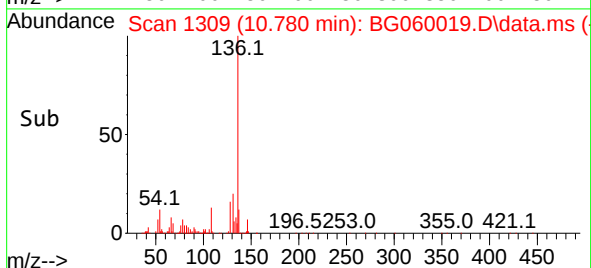
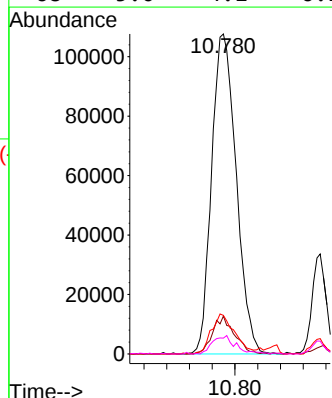
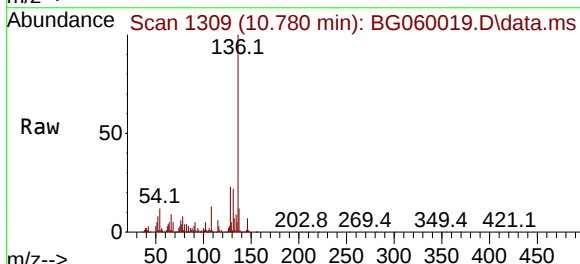
Instrument :
BNA_G
ClientSampleId :
MW-06S

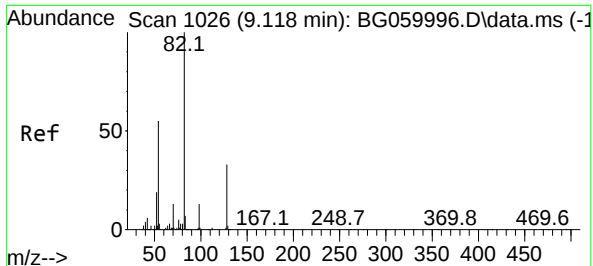
Tgt Ion: 70 Resp: 65713
Ion Ratio Lower Upper
70 100
42 41.6 48.6 73.0#
101 1.0 5.7 8.5#
130 1.5 13.6 20.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 1309
Delta R.T. 0.016 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Tgt Ion:136 Resp: 322601
Ion Ratio Lower Upper
136 100
137 11.8 7.3 10.9#
54 12.0 9.6 14.4
68 5.0 4.1 6.1





#23

Nitrobenzene-d5

Concen: 65.297 ng

RT: 9.117 min Scan# 1026

Delta R.T. -0.001 min

Lab File: BG060019.D

Acq: 14 Dec 2023 19:43

Instrument :

BNA_G

ClientSampleId :

MW-06S

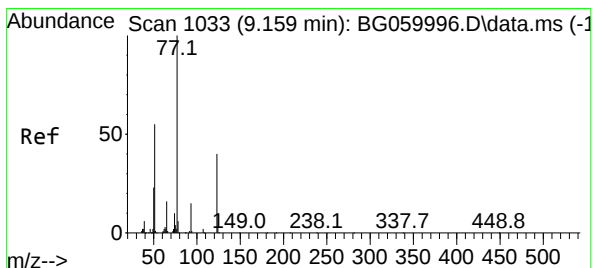
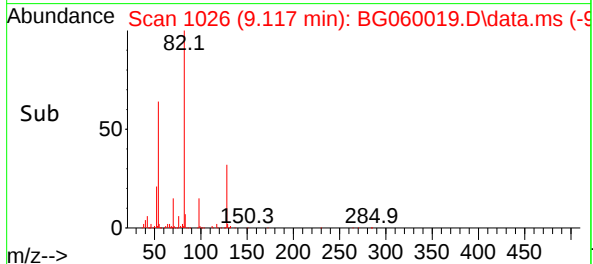
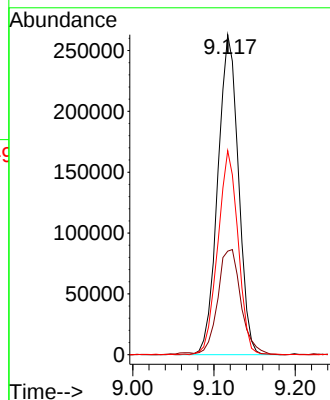
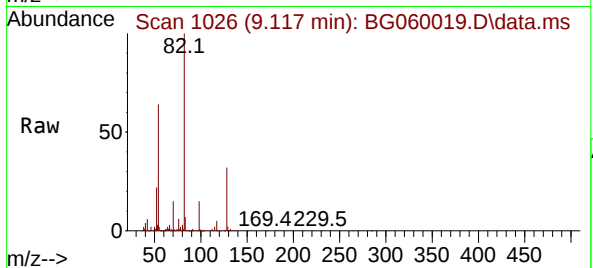
Tgt Ion: 82 Resp: 463903

Ion Ratio Lower Upper

82 100

128 32.3 26.3 39.5

54 63.8 44.3 66.5



#24

Nitrobenzene

Concen: 4.520 ng

RT: 9.146 min Scan# 1031

Delta R.T. -0.013 min

Lab File: BG060019.D

Acq: 14 Dec 2023 19:43

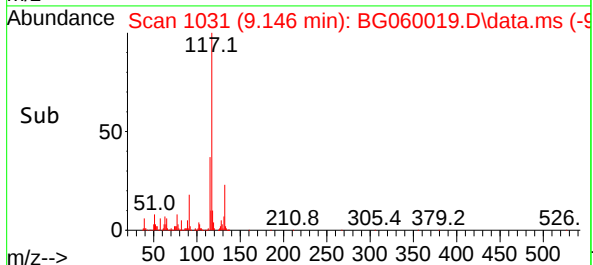
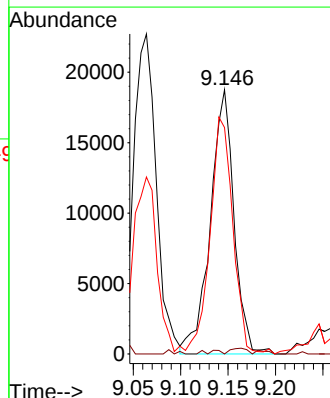
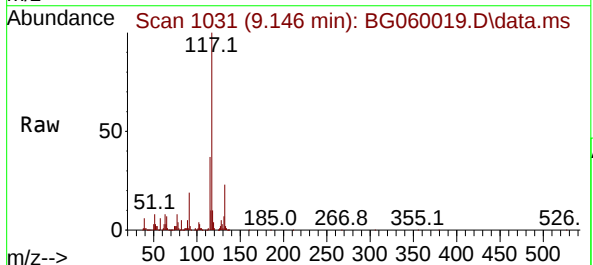
Tgt Ion: 77 Resp: 32600

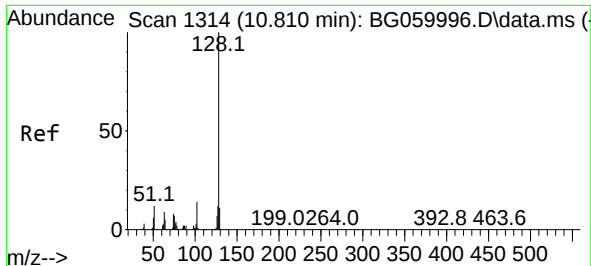
Ion Ratio Lower Upper

77 100

123 0.0 32.1 48.1#

65 85.7 13.0 19.4#

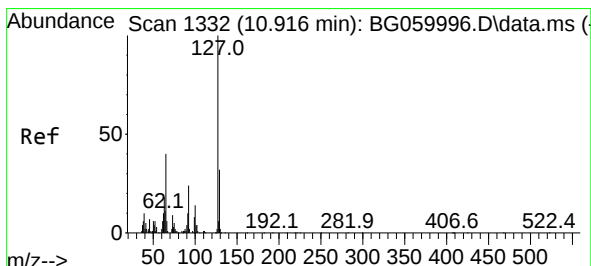
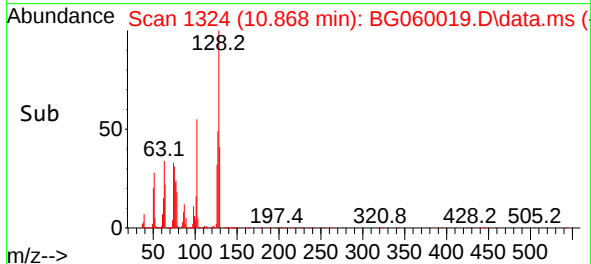
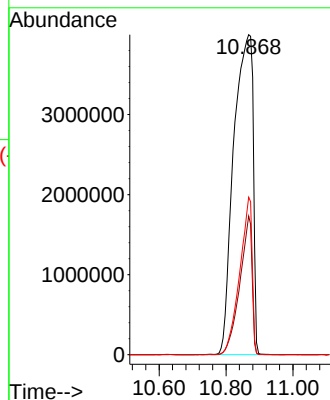
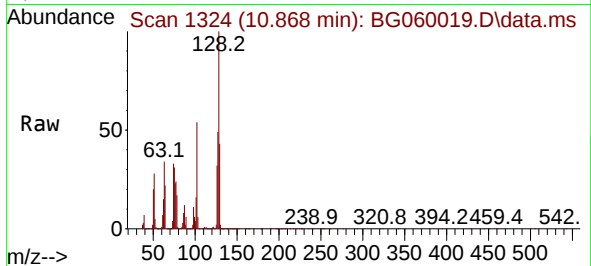




#31
Naphthalene
Concen: 950.930 ng
RT: 10.868 min Scan# 1314
Delta R.T. 0.057 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

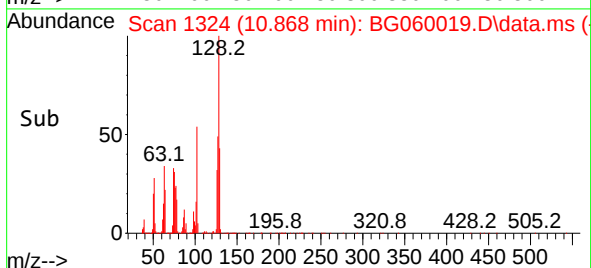
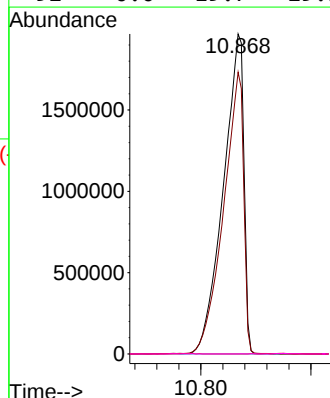
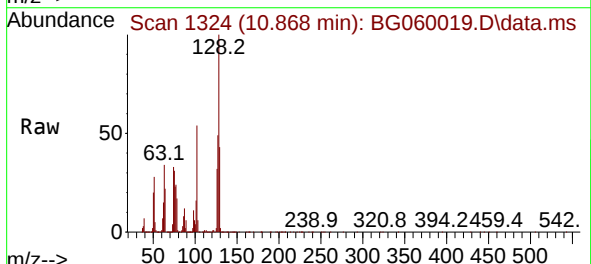
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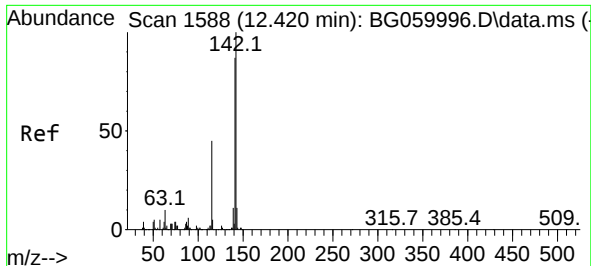
Tgt Ion:128 Resp:15969849
Ion Ratio Lower Upper
128 100
129 43.3 9.2 13.8#
127 49.2 9.7 14.5#



#33
4-Chloroaniline
Concen: 792.105 ng
RT: 10.868 min Scan# 1324
Delta R.T. -0.048 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Tgt Ion:127 Resp: 5061617
Ion Ratio Lower Upper
127 100
129 88.0 25.7 38.5#
65 0.0 32.3 48.5#
92 0.0 19.7 29.5#





#37

2-Methylnaphthalene

Concen: 168.959 ng

RT: 12.431 min Scan# 1

Delta R.T. 0.010 min

Lab File: BG060019.D

Acq: 14 Dec 2023 19:43

Instrument :

BNA_G

ClientSampleId :

MW-06S

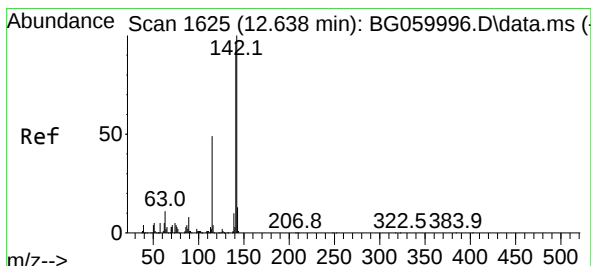
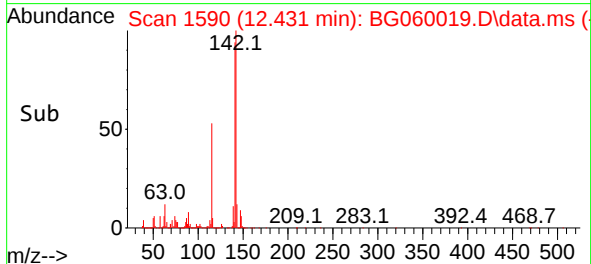
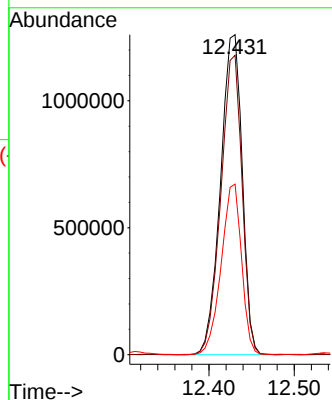
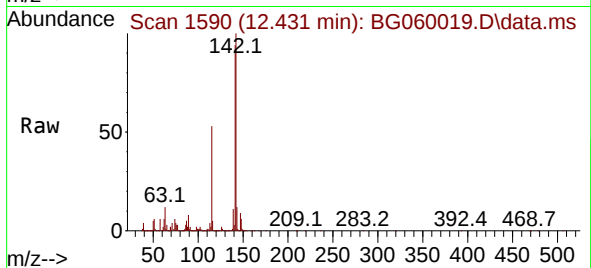
Tgt Ion:142 Resp: 2225494

Ion Ratio Lower Upper

142 100

141 93.5 69.9 104.9

115 53.3 36.1 54.1



#38

1-Methylnaphthalene

Concen: 171.046 ng

RT: 12.431 min Scan# 1590

Delta R.T. -0.207 min

Lab File: BG060019.D

Acq: 14 Dec 2023 19:43

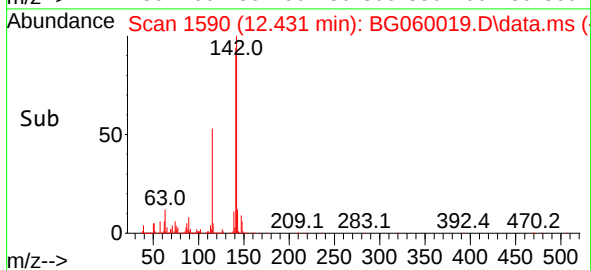
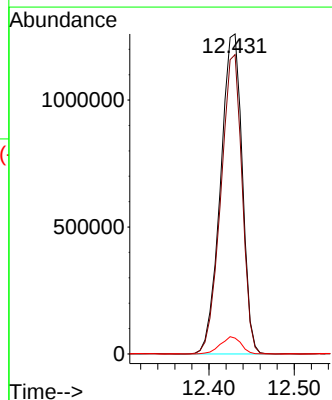
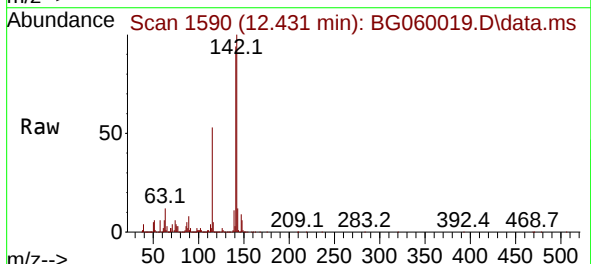
Tgt Ion:142 Resp: 2225494

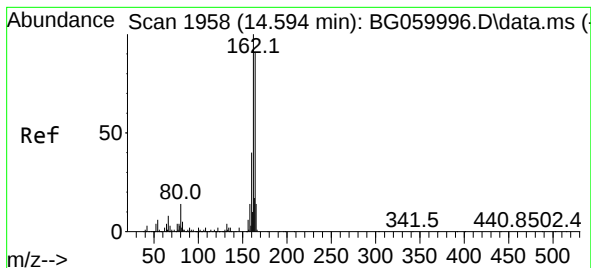
Ion Ratio Lower Upper

142 100

141 93.5 76.9 115.3

116 5.0 3.5 5.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.593 min Scan# 1958

Delta R.T. -0.001 min

Lab File: BG060019.D

Acq: 14 Dec 2023 19:43

Instrument :

BNA_G

ClientSampleId :

MW-06S

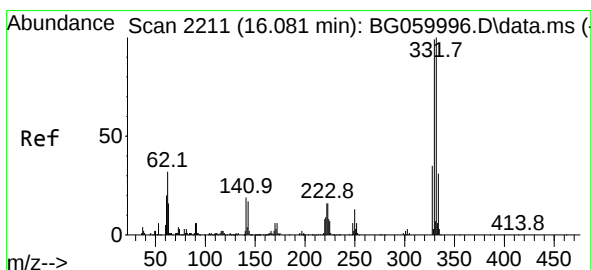
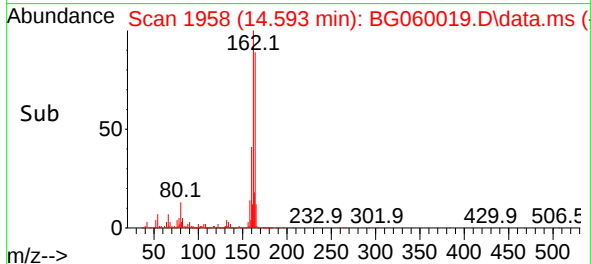
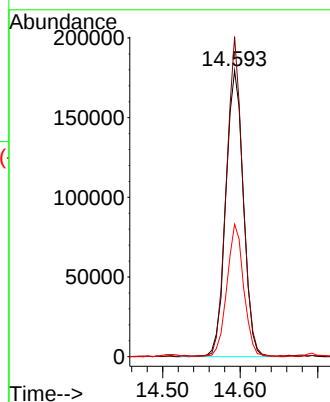
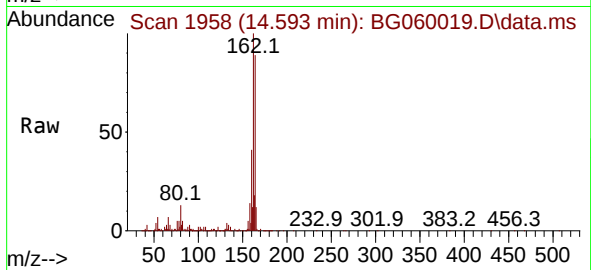
Tgt Ion:164 Resp: 283979

Ion Ratio Lower Upper

164 100

162 111.9 88.1 132.1

160 46.3 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 106.954 ng

RT: 16.079 min Scan# 2211

Delta R.T. -0.001 min

Lab File: BG060019.D

Acq: 14 Dec 2023 19:43

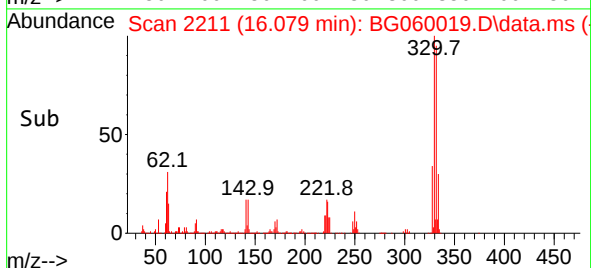
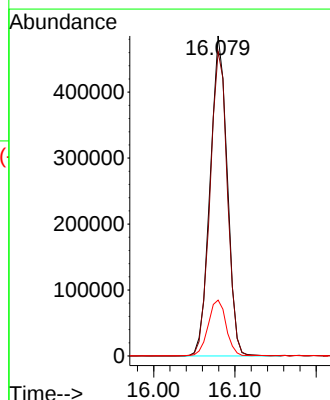
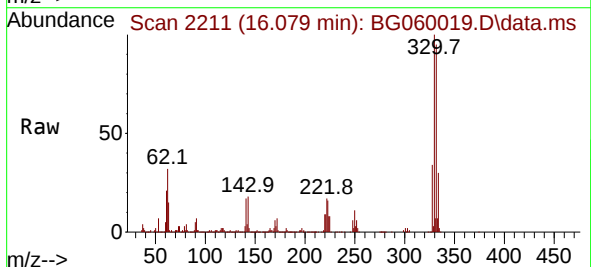
Tgt Ion:330 Resp: 707827

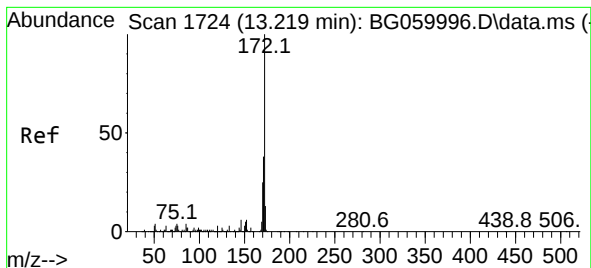
Ion Ratio Lower Upper

330 100

332 96.4 76.2 114.4

141 18.2 14.3 21.5

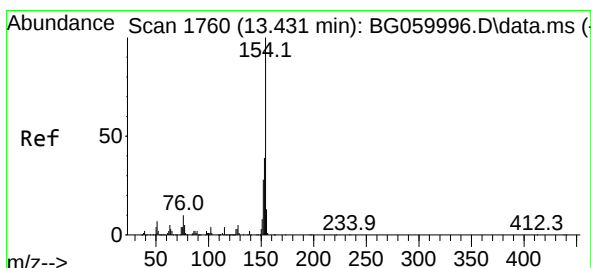
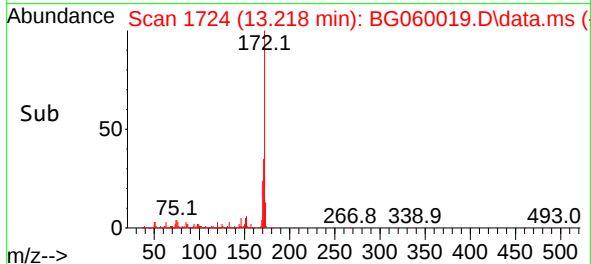
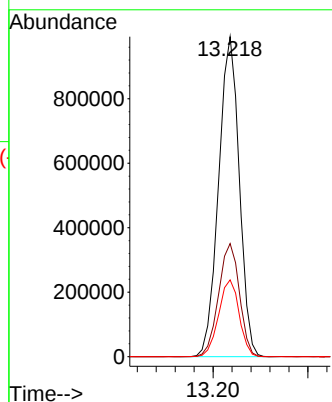
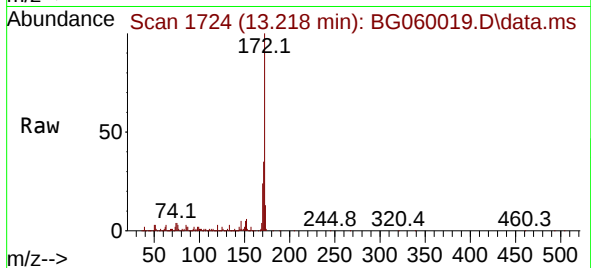




#45
2-Fluorobiphenyl
Concen: 64.727 ng
RT: 13.218 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

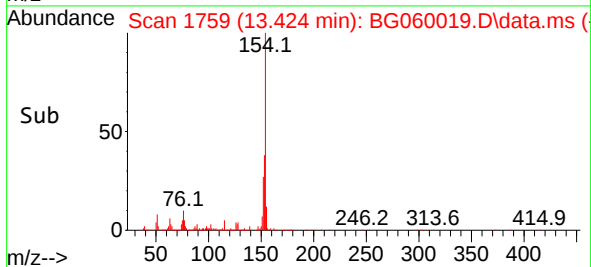
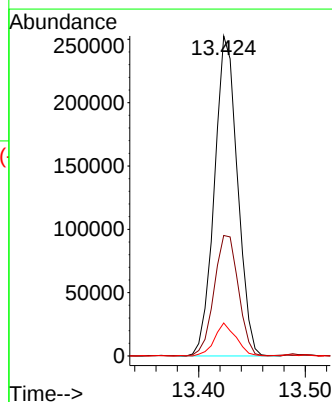
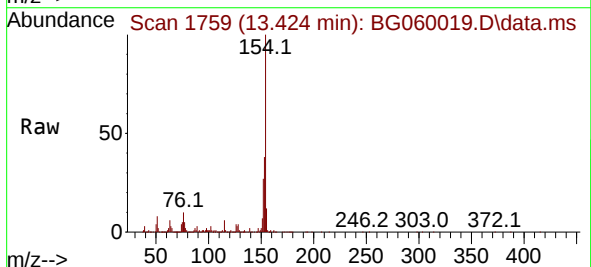
Instrument :
BNA_G
ClientSampleId :
MW-06S

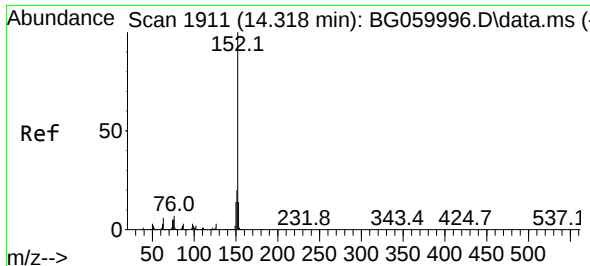
Tgt Ion:172 Resp: 1501862
Ion Ratio Lower Upper
172 100
171 35.4 30.1 45.1
170 24.0 20.0 30.0



#46
1,1'-Biphenyl
Concen: 18.011 ng
RT: 13.424 min Scan# 1759
Delta R.T. -0.007 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Tgt Ion:154 Resp: 379309
Ion Ratio Lower Upper
154 100
153 37.7 19.2 59.2
76 10.3 0.0 29.9

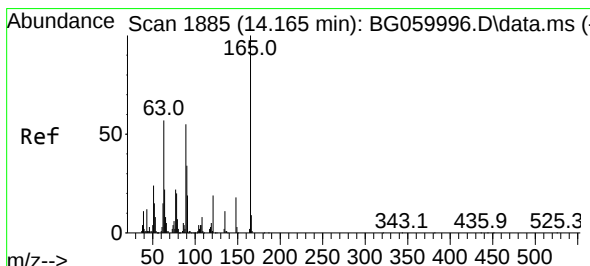
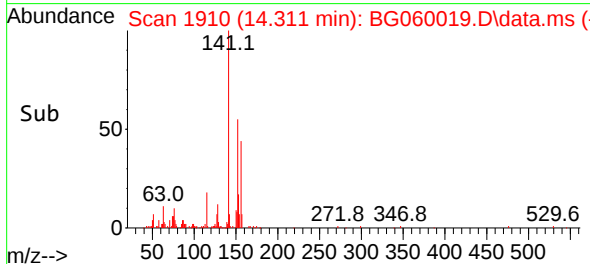
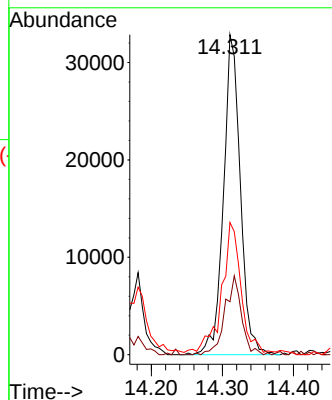
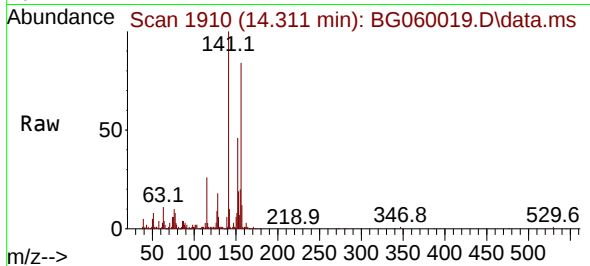




#49
Acenaphthylene
Concen: 2.164 ng
RT: 14.311 min Scan# 1911
Delta R.T. -0.007 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

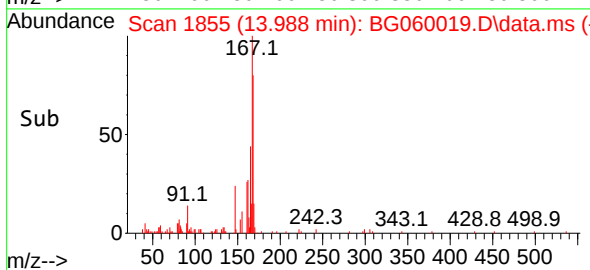
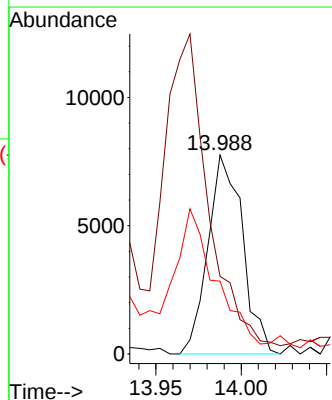
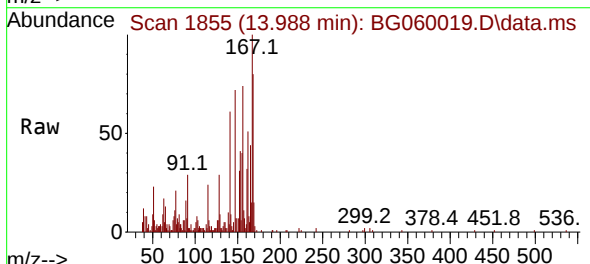
Instrument :
BNA_G
ClientSampleId :
MW-06S

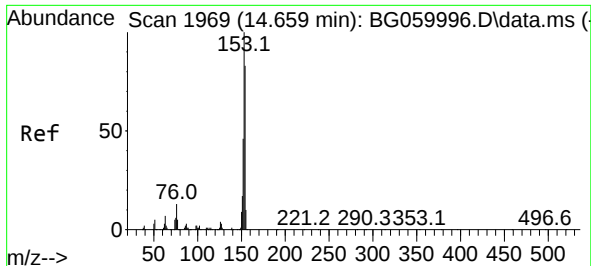
Tgt Ion:152 Resp: 54001
Ion Ratio Lower Upper
152 100
151 16.6 15.8 23.8
153 41.3 11.0 16.4#



#51
2,6-Dinitrotoluene
Concen: 2.395 ng
RT: 13.988 min Scan# 1855
Delta R.T. -0.178 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Tgt Ion:165 Resp: 10938
Ion Ratio Lower Upper
165 100
63 39.0 48.2 72.2#
89 36.6 44.4 66.6#

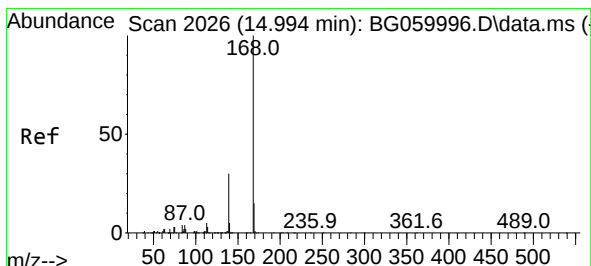
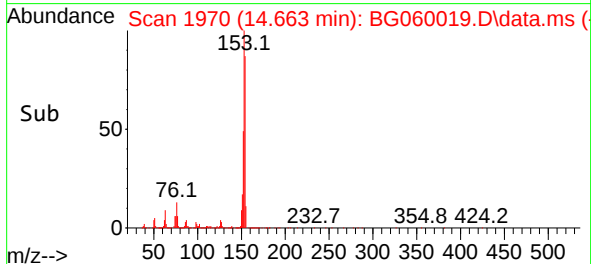
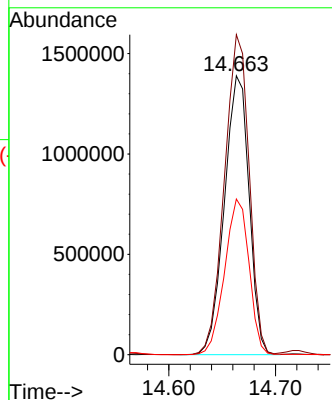
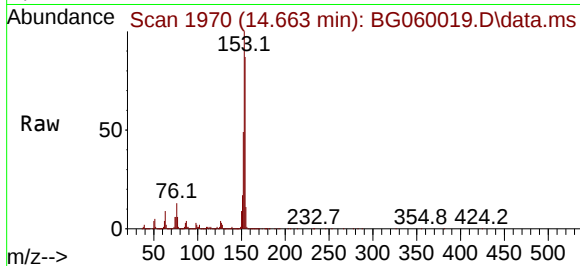




#52
Acenaphthene
Concen: 130.001 ng
RT: 14.663 min Scan# 1969
Delta R.T. 0.005 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

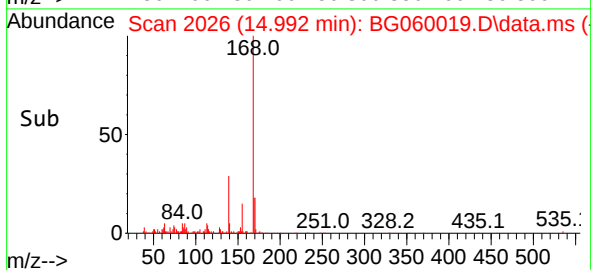
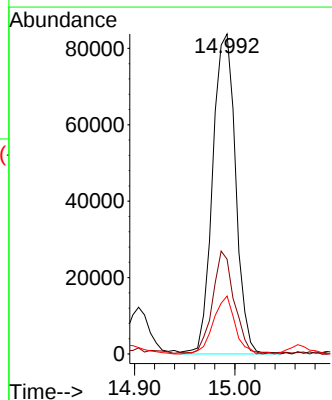
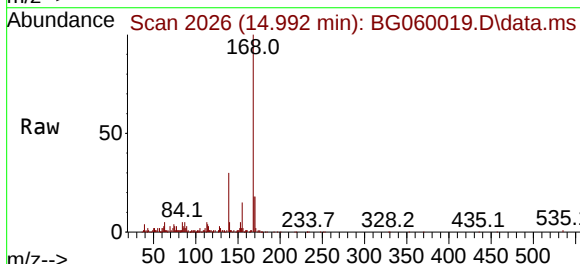
Instrument :
BNA_G
ClientSampleId :
MW-06S

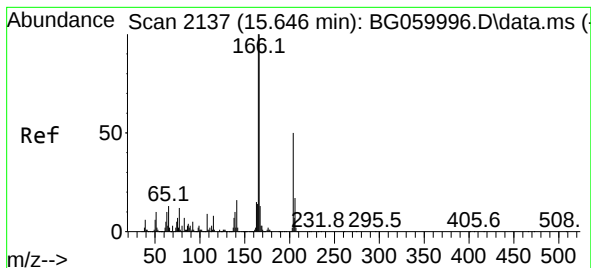
Tgt Ion:154 Resp: 2232605
Ion Ratio Lower Upper
154 100
153 114.7 96.0 144.0
152 55.8 44.3 66.5



#55
Dibenzofuran
Concen: 4.764 ng
RT: 14.992 min Scan# 2026
Delta R.T. -0.001 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Tgt Ion:168 Resp: 133178
Ion Ratio Lower Upper
168 100
139 29.6 24.0 36.0
169 18.1 11.8 17.8#





#58

Fluorene

Concen: 30.529 ng

RT: 15.639 min Scan# 2136

Delta R.T. -0.007 min

Lab File: BG060019.D

Acq: 14 Dec 2023 19:43

Instrument :

BNA_G

ClientSampleId :

MW-06S

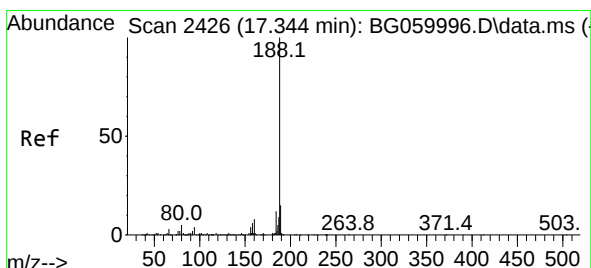
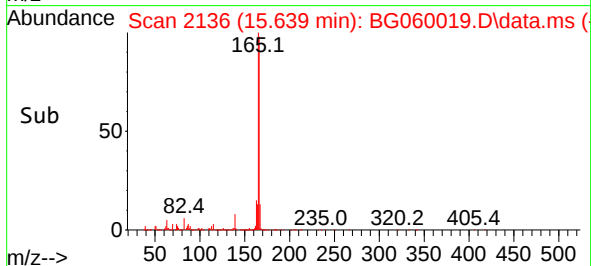
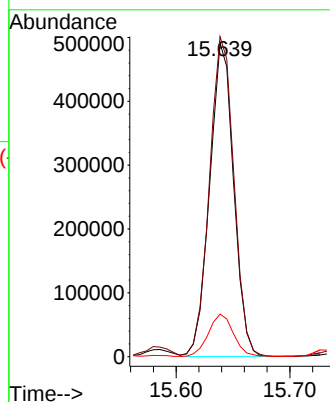
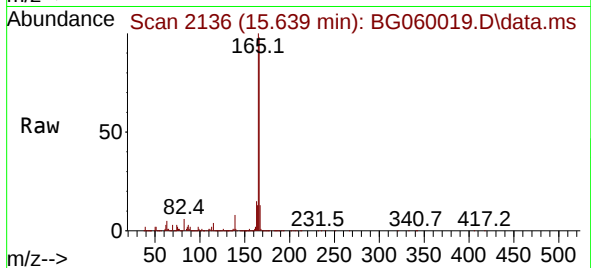
Tgt Ion:166 Resp: 719607

Ion Ratio Lower Upper

166 100

165 102.0 80.2 120.2

167 13.6 10.3 15.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.342 min Scan# 2426

Delta R.T. -0.001 min

Lab File: BG060019.D

Acq: 14 Dec 2023 19:43

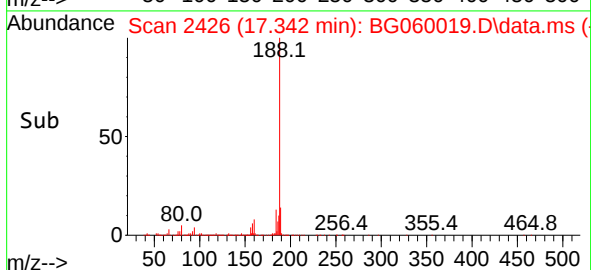
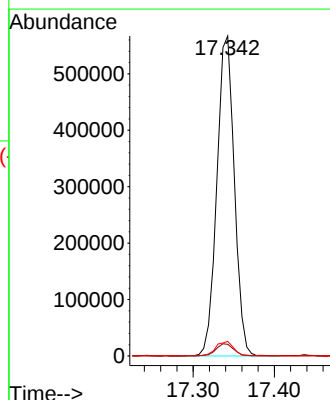
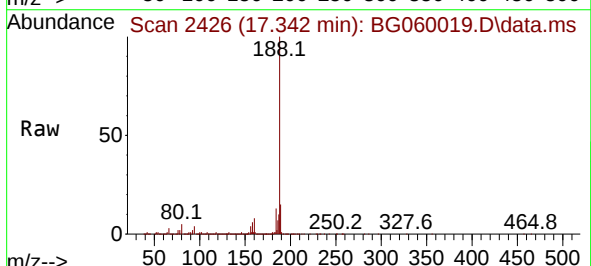
Tgt Ion:188 Resp: 848072

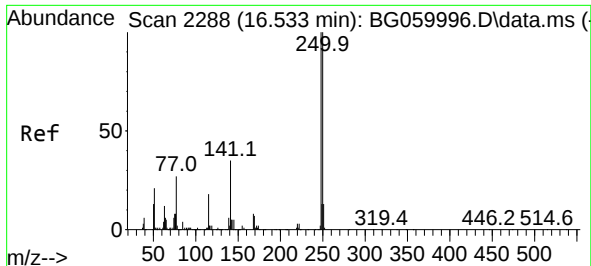
Ion Ratio Lower Upper

188 100

94 3.7 3.0 4.6

80 4.6 4.0 6.0

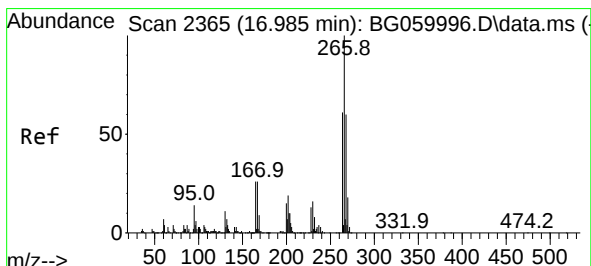
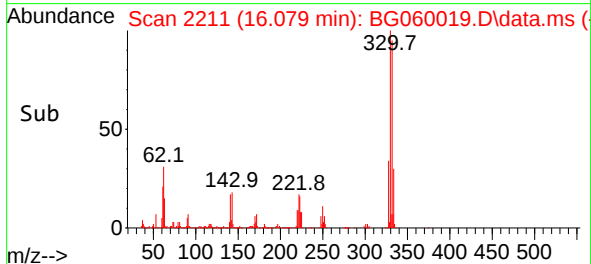
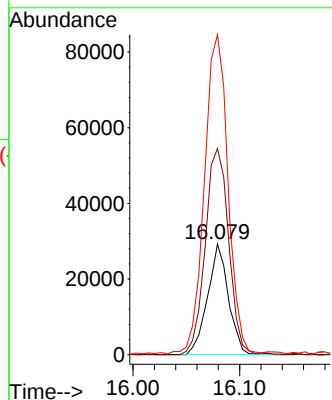
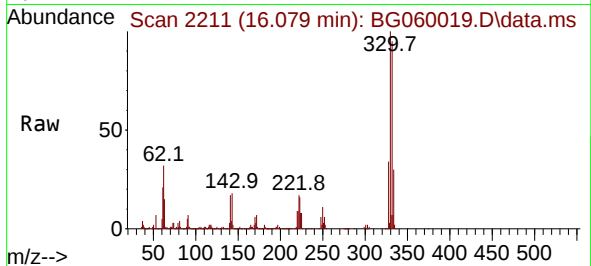




#67
4-Bromophenyl-phenylether
Concen: 3.334 ng
RT: 16.079 min Scan# 211
Delta R.T. -0.454 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

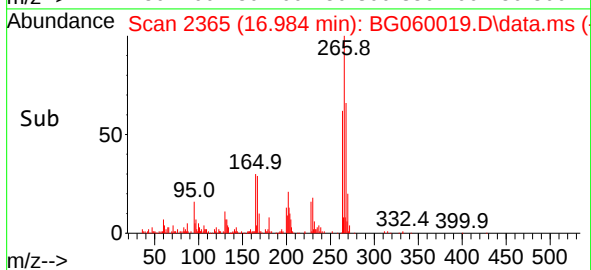
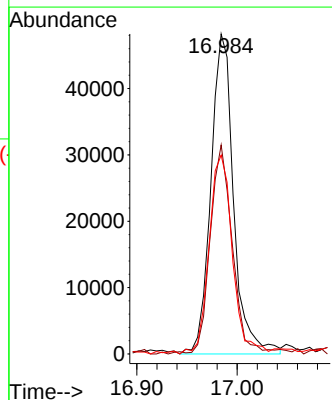
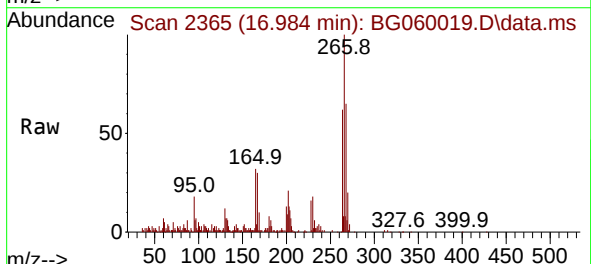
Instrument :
BNA_G
ClientSampleId :
MW-06S

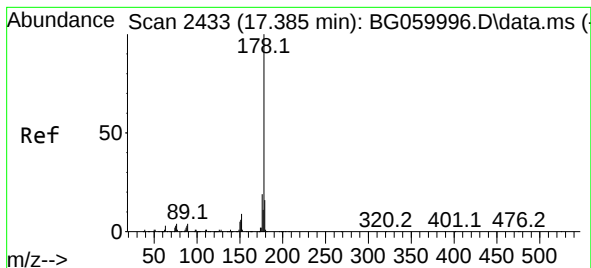
Tgt Ion:248 Resp: 39893
Ion Ratio Lower Upper
248 100
250 186.4 79.9 119.9#
141 289.2 28.3 42.5#



#70
Pentachlorophenol
Concen: 8.353 ng
RT: 16.984 min Scan# 2365
Delta R.T. -0.001 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Tgt Ion:266 Resp: 75694
Ion Ratio Lower Upper
266 100
268 65.3 47.9 71.9
264 62.2 48.8 73.2





#71

Phenanthrene

Concen: 26.841 ng

RT: 17.384 min Scan# 2433

Delta R.T. -0.001 min

Lab File: BG060019.D

Acq: 14 Dec 2023 19:43

Instrument :

BNA_G

ClientSampleId :

MW-06S

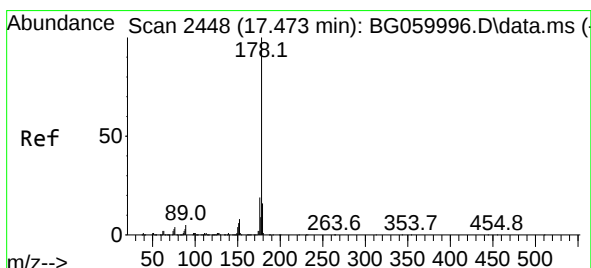
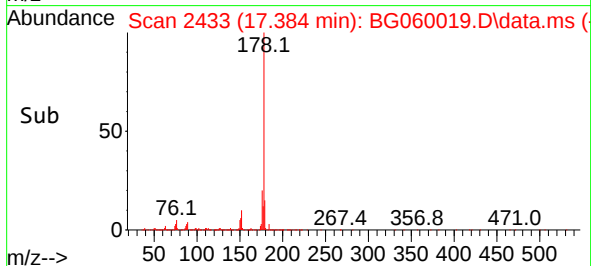
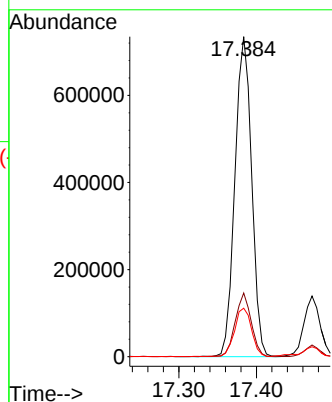
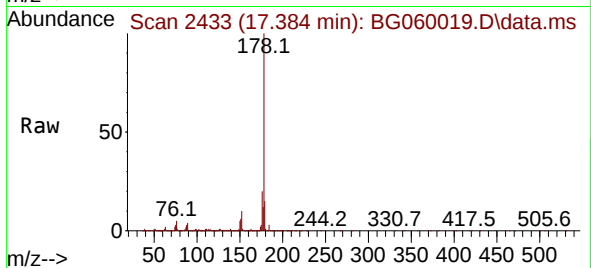
Tgt Ion:178 Resp: 1102594

Ion Ratio Lower Upper

178 100

176 19.9 15.6 23.4

179 15.1 12.6 19.0



#72

Anthracene

Concen: 4.753 ng

RT: 17.472 min Scan# 2448

Delta R.T. -0.001 min

Lab File: BG060019.D

Acq: 14 Dec 2023 19:43

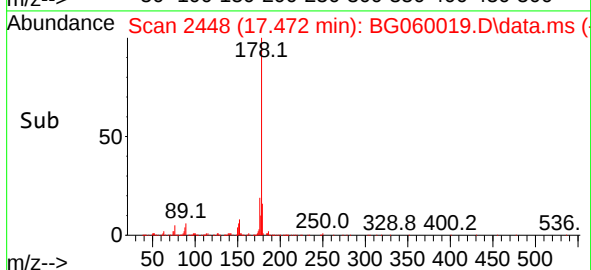
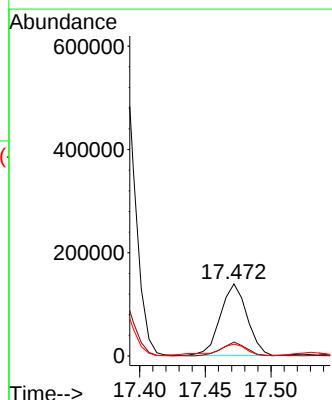
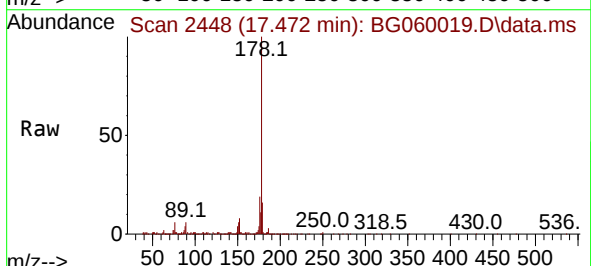
Tgt Ion:178 Resp: 196317

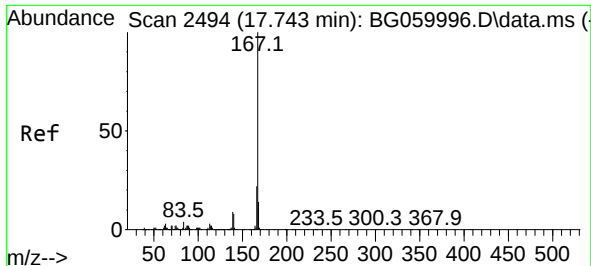
Ion Ratio Lower Upper

178 100

176 19.4 15.0 22.6

179 16.4 12.6 19.0

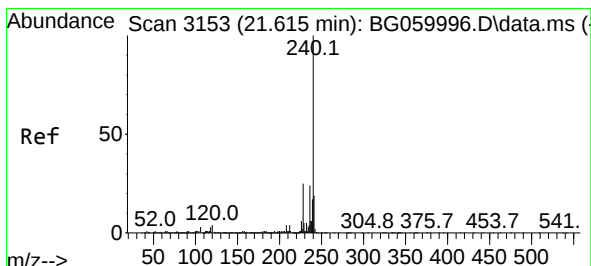
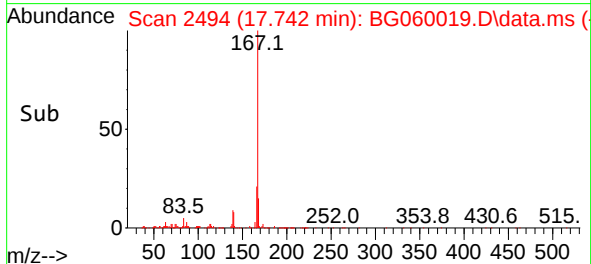
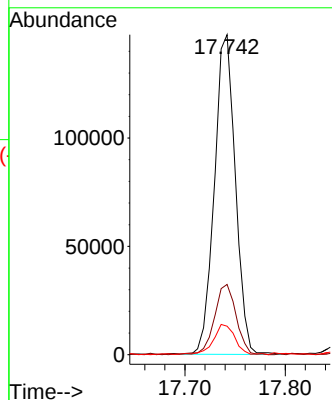
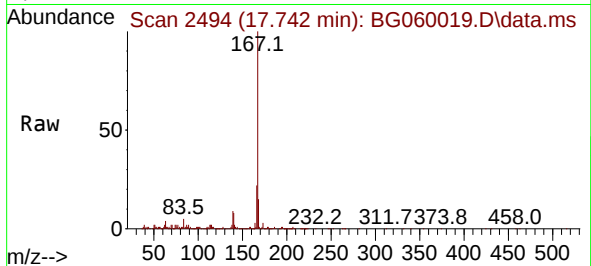




#73
 Carbazole
 Concen: 6.080 ng
 RT: 17.742 min Scan# 2494
 Delta R.T. -0.001 min
 Lab File: BG060019.D
 Acq: 14 Dec 2023 19:43

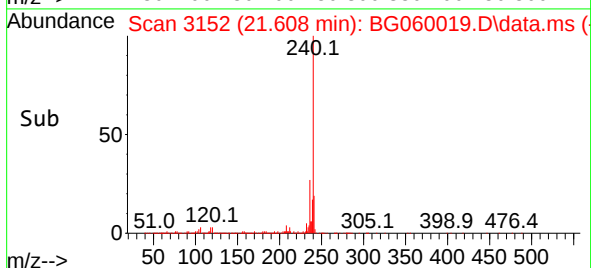
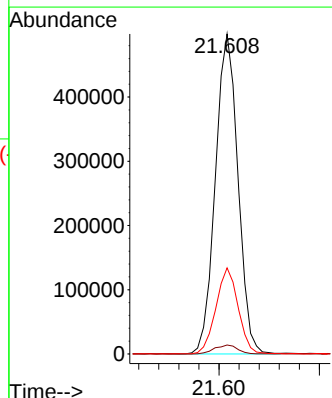
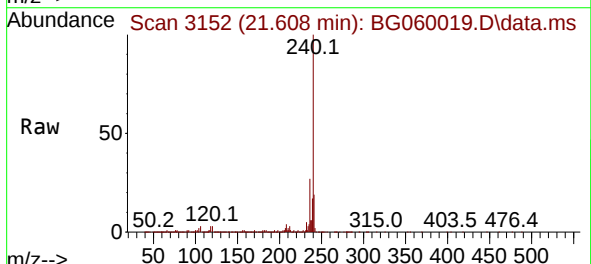
Instrument :
 BNA_G
 ClientSampleId :
 MW-06S

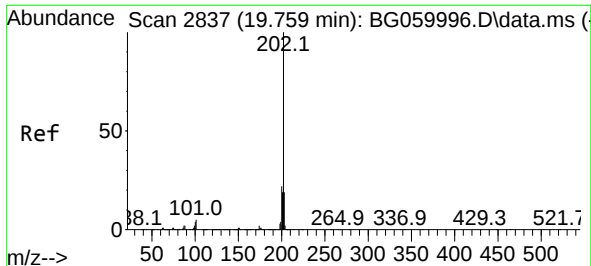
Tgt Ion:167 Resp: 213409
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.4 26.0
 139 8.9 7.5 11.3



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.608 min Scan# 3152
 Delta R.T. -0.007 min
 Lab File: BG060019.D
 Acq: 14 Dec 2023 19:43

Tgt Ion:240 Resp: 777151
 Ion Ratio Lower Upper
 240 100
 120 2.8 2.9 4.3#
 236 26.9 19.4 29.2

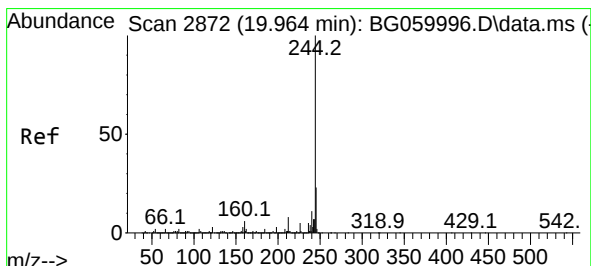
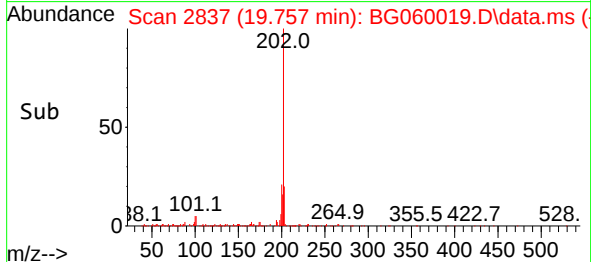
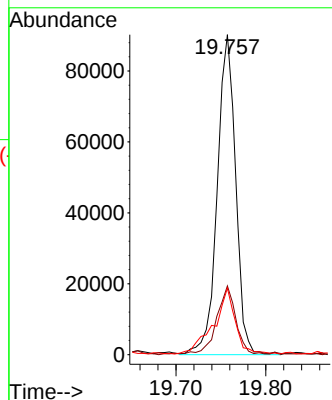
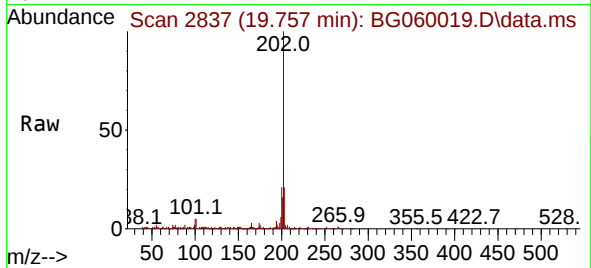




#78
 Pyrene
 Concen: 2.730 ng
 RT: 19.757 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG060019.D
 Acq: 14 Dec 2023 19:43

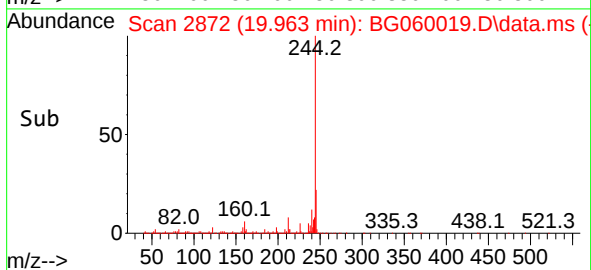
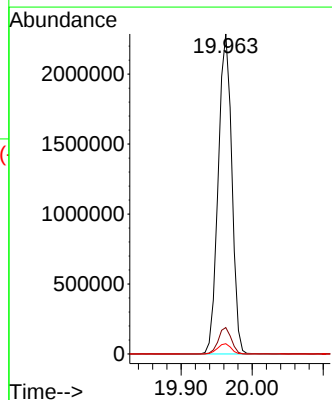
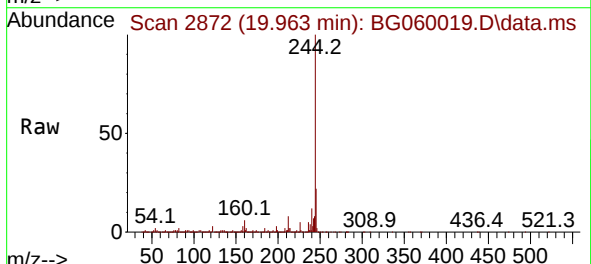
Instrument :
 BNA_G
 ClientSampleId :
 MW-06S

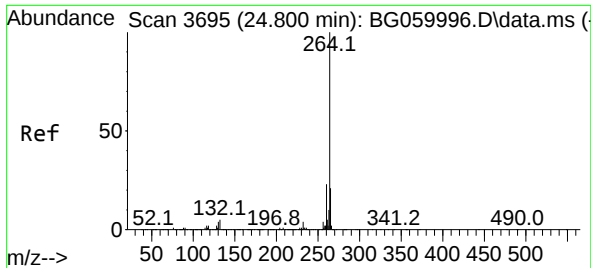
Tgt Ion:202 Resp: 128596
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.6 26.4
 203 20.8 14.9 22.3



#79
 Terphenyl-d14
 Concen: 71.001 ng
 RT: 19.963 min Scan# 2872
 Delta R.T. -0.001 min
 Lab File: BG060019.D
 Acq: 14 Dec 2023 19:43

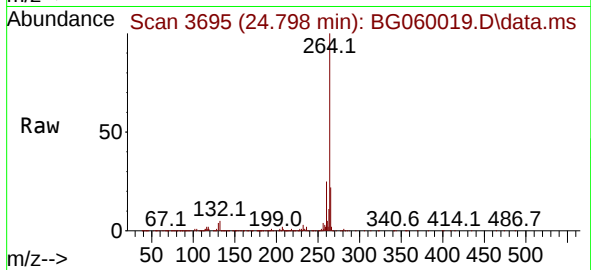
Tgt Ion:244 Resp: 3022321
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.8 10.2
 122 3.2 2.6 3.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.798 min Scan# 30
Delta R.T. -0.001 min
Lab File: BG060019.D
Acq: 14 Dec 2023 19:43

Instrument :
BNA_G
ClientSampleId :
MW-06S



Tgt Ion:264 Resp: 936186

Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.5	27.7
265	21.8	17.3	25.9

