

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
 Data File : BG060079.D
 Acq On : 18 Dec 2023 23:38
 Operator : MA/JU
 Sample : 05670-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-6A

Quant Time: Dec 19 04:43:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

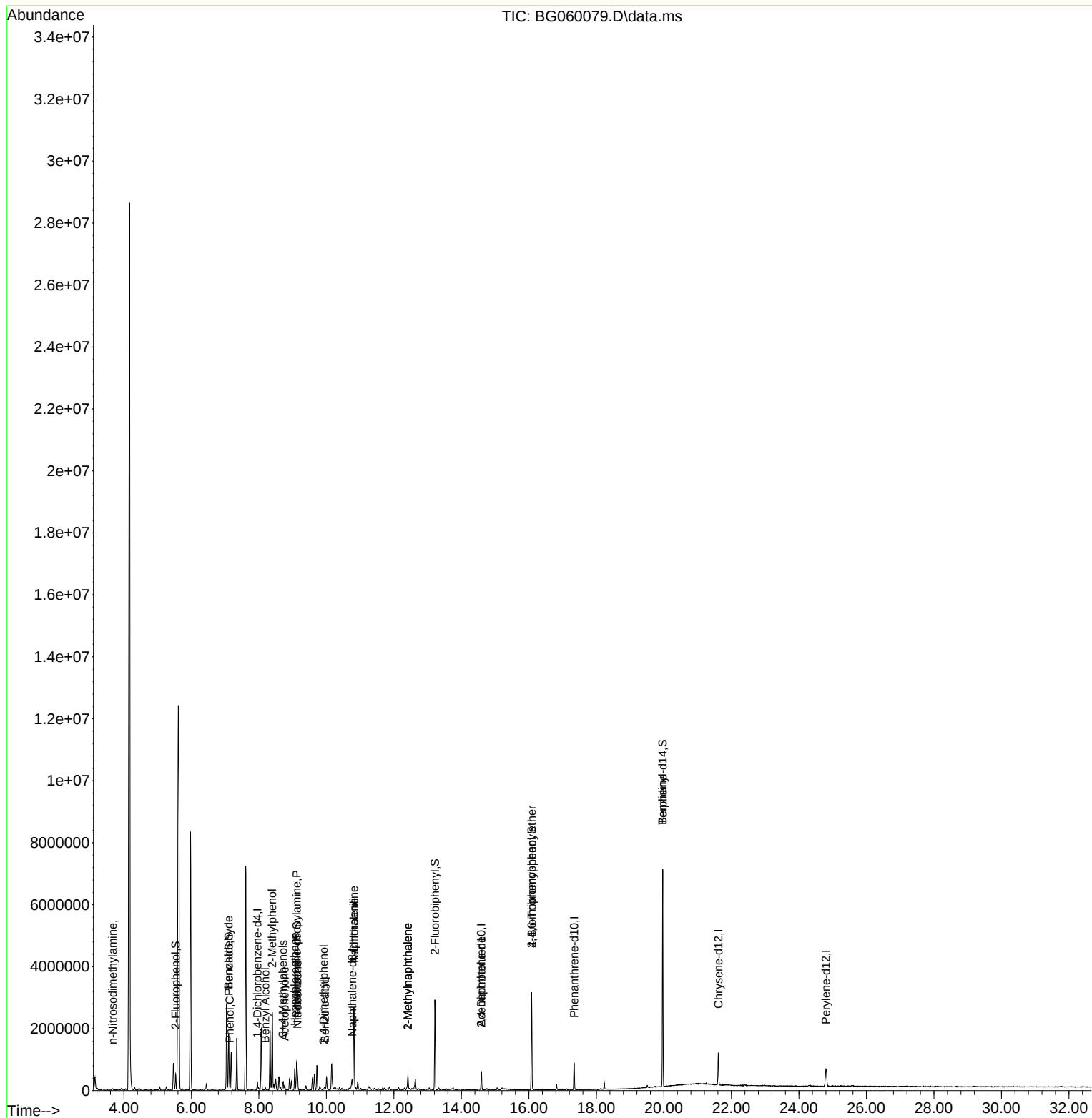
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.955	152	64675	20.000	ng	0.00
21) Naphthalene-d8	10.764	136	240850	20.000	ng	# 0.00
39) Acenaphthene-d10	14.589	164	213512	20.000	ng	0.00
64) Phenanthrene-d10	17.338	188	612473	20.000	ng	# 0.00
76) Chrysene-d12	21.610	240	660418	20.000	ng	# 0.00
86) Perylene-d12	24.800	264	728664	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.535	112	192464	50.942	ng	0.00
7) Phenol-d6	7.109	99	170692	32.118	ng	0.00
23) Nitrobenzene-d5	9.119	82	482969	91.056	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	760381	152.815	ng	0.00
45) 2-Fluorobiphenyl	13.214	172	1579968	90.567	ng	0.00
79) Terphenyl-d14	19.965	244	3650079	100.906	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.672	42	7380	2.997	ng	# 1
9) Benzaldehyde	7.103	77	121352	37.554	ng	# 1
10) Phenol	7.139	94	31338	5.870	ng	82
15) Benzyl Alcohol	8.190	79	27836	6.517	ng	# 86
17) 2-Methylphenol	8.396	107	637805	179.191	ng	# 86
18) Hexachloroethane	9.066	117	91196	60.429	ng	# 1
19) n-Nitroso-di-n-propyla...	9.119	70	71224	20.773	ng	# 85
20) 3+4-Methylphenols	8.713	107	106870	21.496	ng	94
22) Acetophenone	8.760	105	106186	15.129	ng	# 63
24) Nitrobenzene	9.142	77	21174	3.932	ng	# 14
27) 2,4-Dimethylphenol	9.924	122	7580	2.792	ng	# 81
31) Naphthalene	10.817	128	1876750	149.683	ng	97
32) Benzoic acid	9.953	122	5937	2.404	ng	# 42
33) 4-Chloroaniline	10.817	127	247040	51.782	ng	# 36
37) 2-Methylnaphthalene	12.415	142	183185	18.628	ng	95
38) 1-Methylnaphthalene	12.415	142	183185	18.858	ng	97
57) 2,4-Dinitrotoluene	14.589	165	28556	5.917	ng	# 30
67) 4-Bromophenyl-phenylether	16.081	248	46738	5.409	ng	# 1
69) Atrazine	16.792	200	131	Below Cal		# 34
77) Benzidine	19.965	184	61283	7.224	ng	# 86

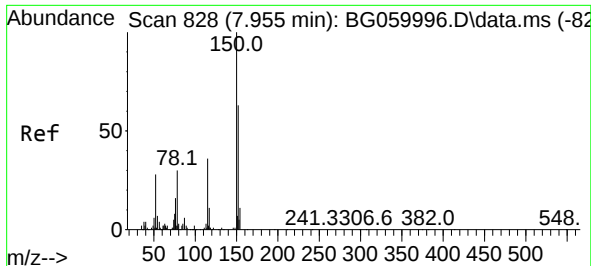
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
Data File : BG060079.D
Acq On : 18 Dec 2023 23:38
Operator : MA/JU
Sample : 05670-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-6A

Quant Time: Dec 19 04:43:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 19 04:37:23 2023
Response via : Initial Calibration

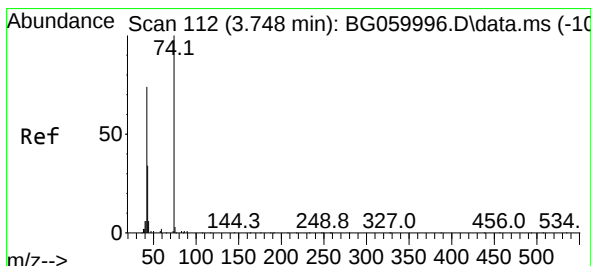
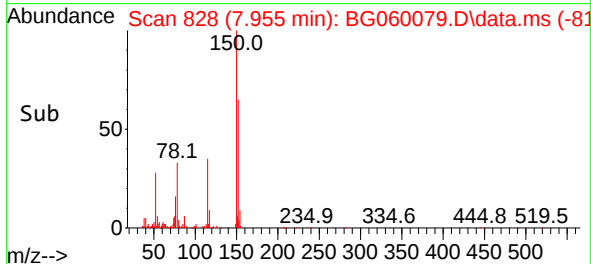
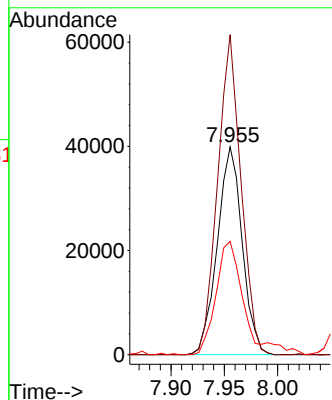
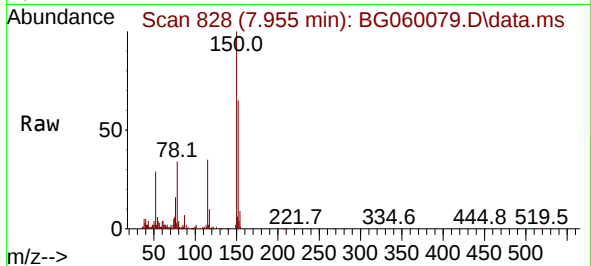




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.955 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

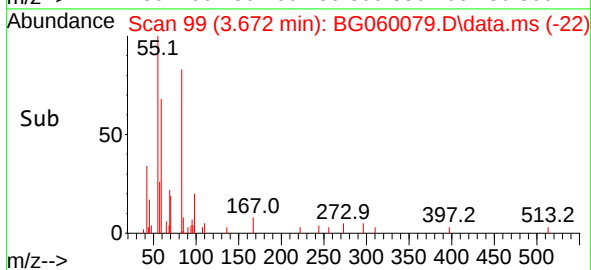
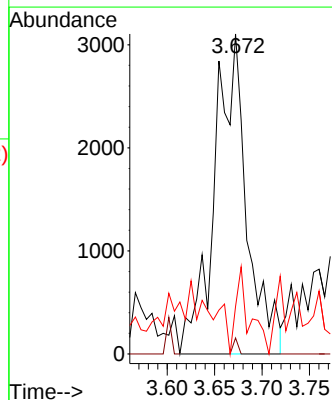
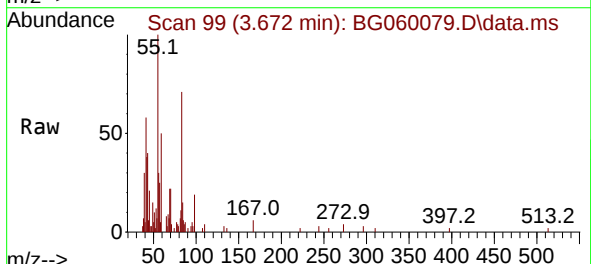
Instrument :
BNA_G
ClientSampleId :
MW-6A

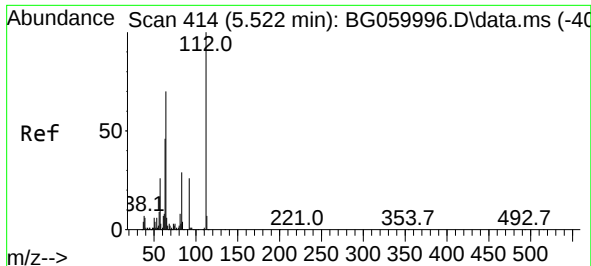
Tgt Ion:152 Resp: 64675
Ion Ratio Lower Upper
152 100
150 153.9 127.0 190.6
115 54.5 45.7 68.5



#4
n-Nitrosodimethylamine
Concen: 2.997 ng
RT: 3.672 min Scan# 99
Delta R.T. -0.080 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

Tgt Ion: 42 Resp: 7380
Ion Ratio Lower Upper
42 100
74 5.0 107.4 161.2#
44 14.9 6.0 9.0#

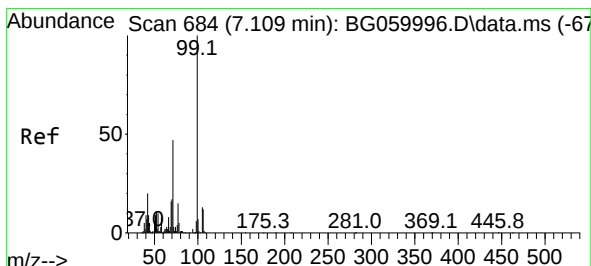
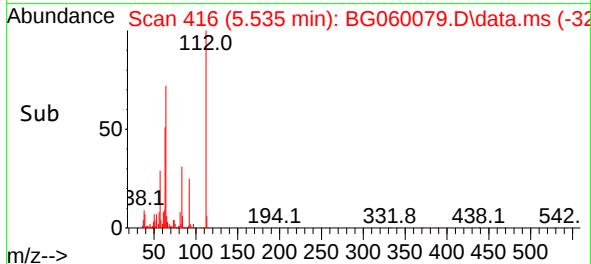
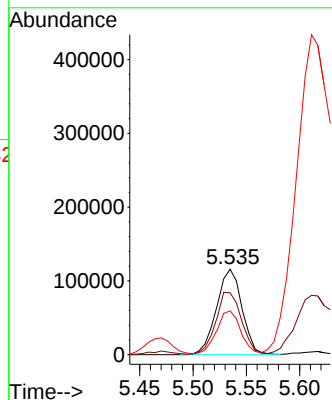
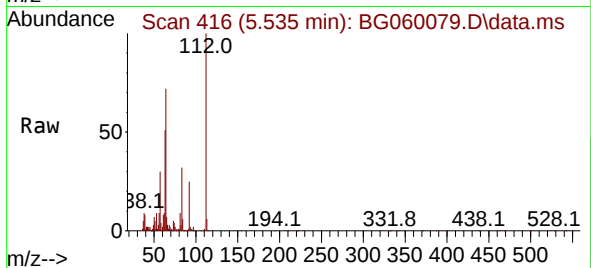




#5
2-Fluorophenol
Concen: 50.942 ng
RT: 5.535 min Scan# 414
Delta R.T. 0.008 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

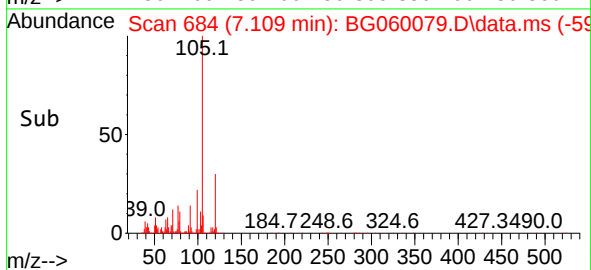
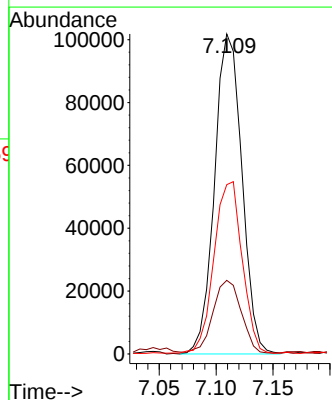
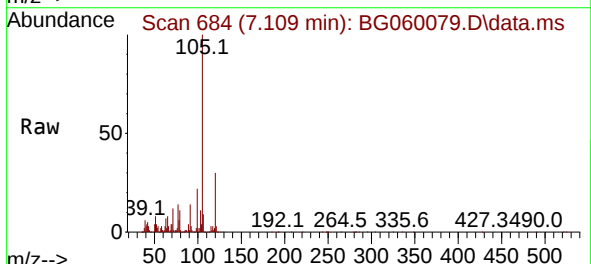
Instrument :
BNA_G
ClientSampleId :
MW-6A

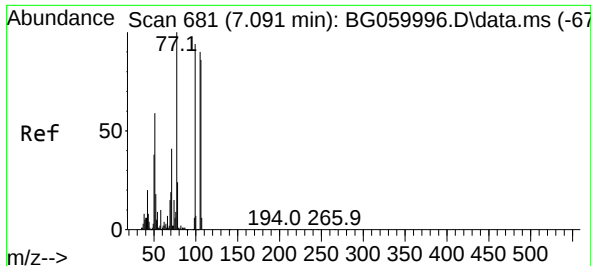
Tgt Ion:112 Resp: 192464
Ion Ratio Lower Upper
112 100
64 72.4 55.9 83.9
63 51.4 36.5 54.7



#7
Phenol-d6
Concen: 32.118 ng
RT: 7.109 min Scan# 684
Delta R.T. -0.003 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

Tgt Ion: 99 Resp: 170692
Ion Ratio Lower Upper
99 100
42 23.0 16.2 24.4
71 52.9 37.6 56.4

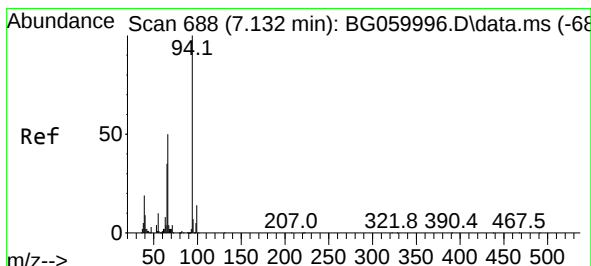
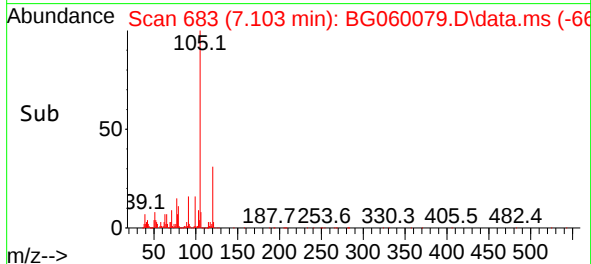
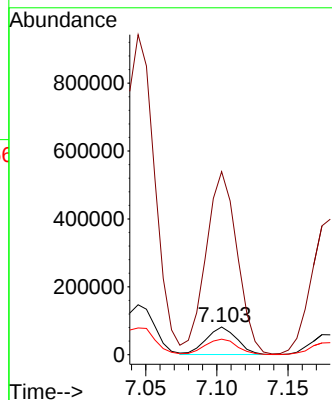
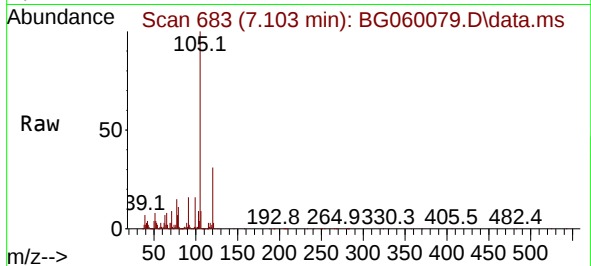




#9
Benzaldehyde
Concen: 37.554 ng
RT: 7.103 min Scan# 61
Delta R.T. 0.008 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

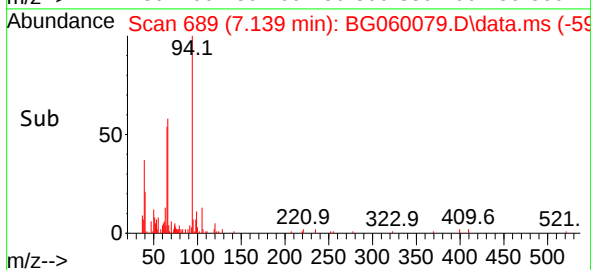
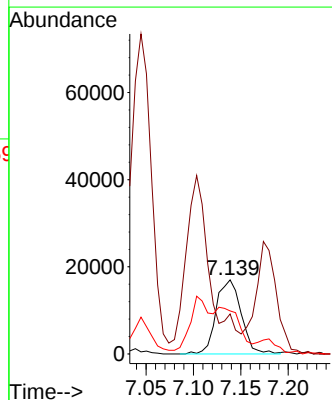
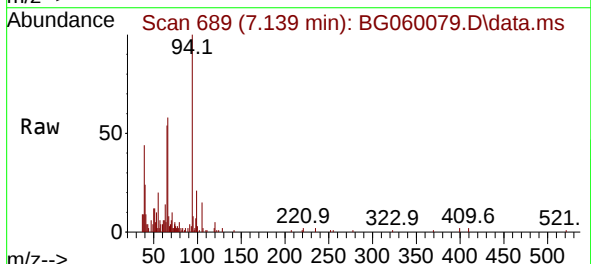
Instrument :
BNA_G
ClientSampleId :
MW-6A

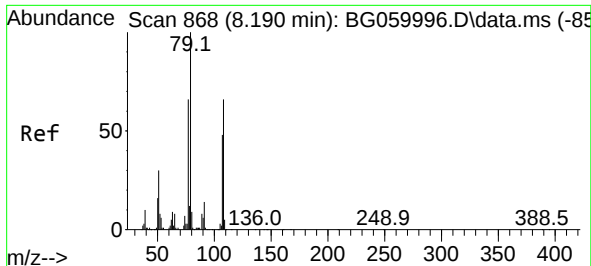
Tgt Ion: 77 Resp: 121352
Ion Ratio Lower Upper
77 100
105 662.6 70.5 110.5#
106 56.3 66.0 106.0#



#10
Phenol
Concen: 5.870 ng
RT: 7.139 min Scan# 689
Delta R.T. -0.003 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

Tgt Ion: 94 Resp: 31338
Ion Ratio Lower Upper
94 100
65 54.0 15.5 55.5
66 58.0 31.6 71.6

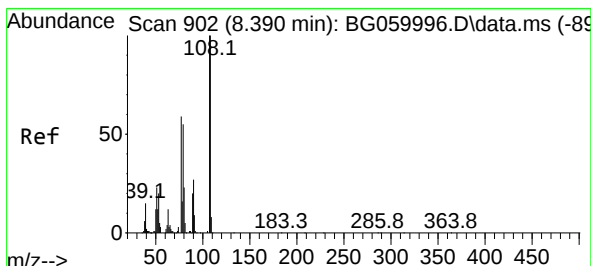
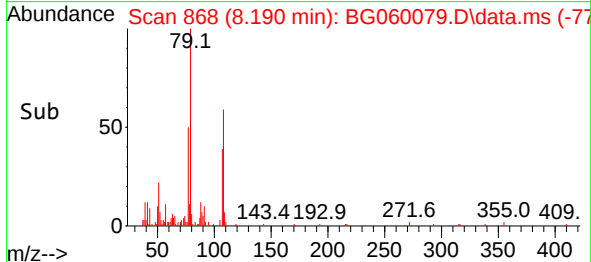
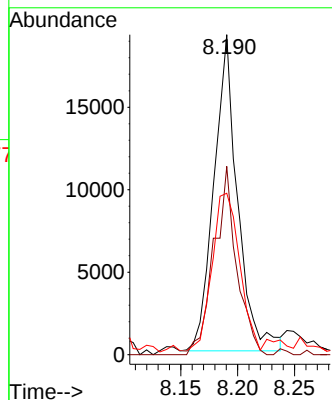
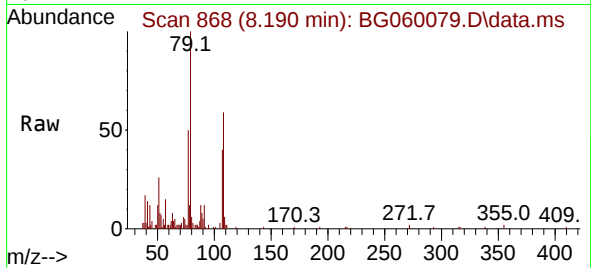




#15
Benzyl Alcohol
Concen: 6.517 ng
RT: 8.190 min Scan# 80
Delta R.T. -0.003 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

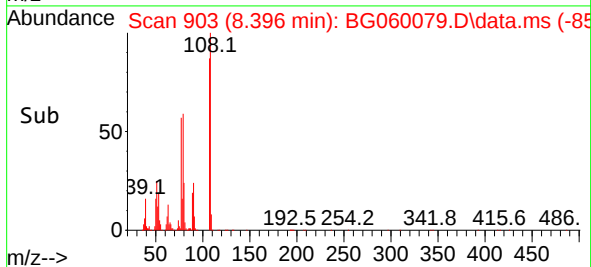
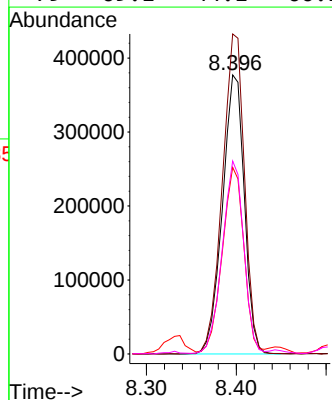
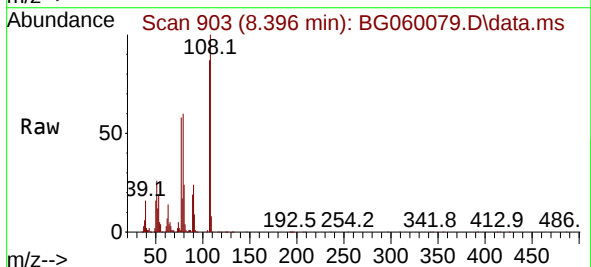
Instrument :
BNA_G
ClientSampleId :
MW-6A

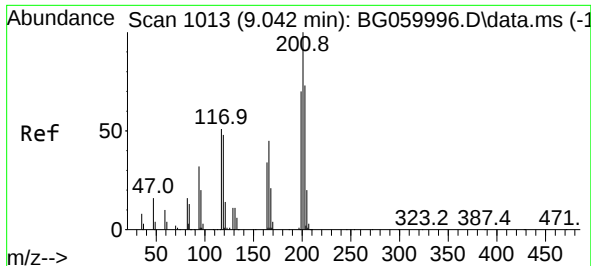
Tgt Ion: 79 Resp: 27836
Ion Ratio Lower Upper
79 100
108 58.8 53.1 79.7
77 50.5 52.8 79.2#



#17
2-Methylphenol
Concen: 179.191 ng
RT: 8.396 min Scan# 903
Delta R.T. 0.003 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

Tgt Ion: 107 Resp: 637805
Ion Ratio Lower Upper
107 100
108 114.7 80.7 121.1
77 66.9 47.8 71.6
79 69.1 44.1 66.1#

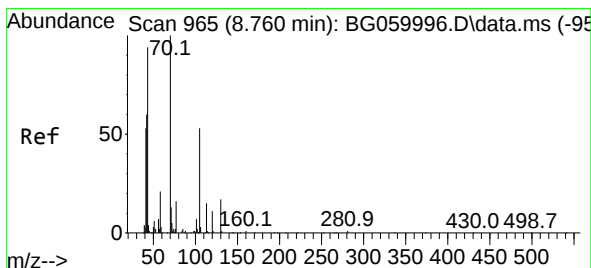
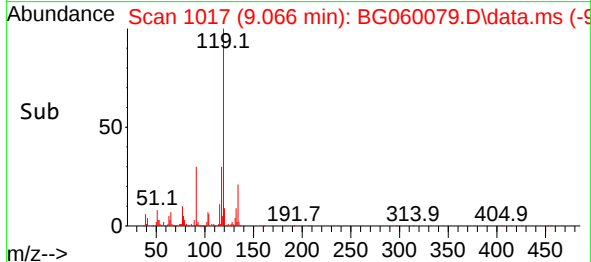
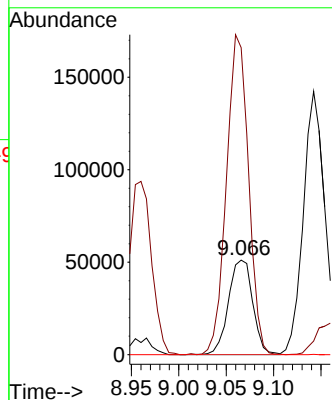
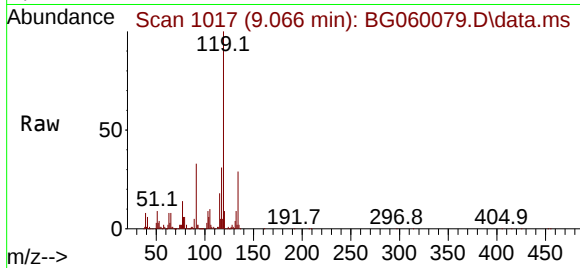




#18
Hexachloroethane
Concen: 60.429 ng
RT: 9.066 min Scan# 1017
Delta R.T. 0.020 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

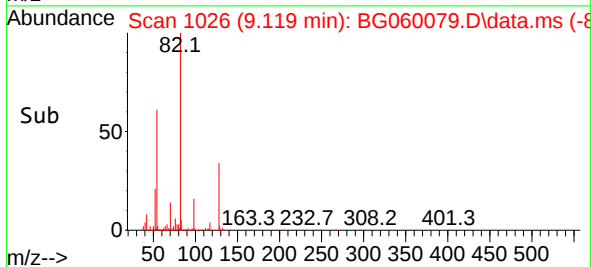
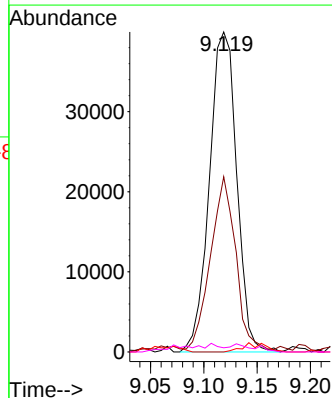
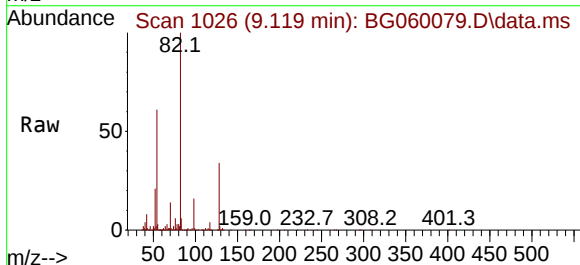
Instrument :
BNA_G
ClientSampleId :
MW-6A

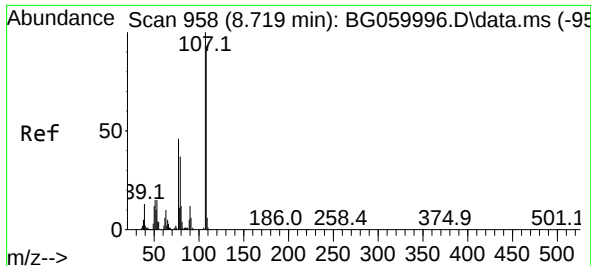
Tgt Ion:117 Resp: 91196
Ion Ratio Lower Upper
117 100
119 324.5 74.5 111.7#
201 0.0 156.5 234.7#



#19
n-Nitroso-di-n-propylamine
Concen: 20.773 ng
RT: 9.119 min Scan# 1026
Delta R.T. 0.355 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

Tgt Ion: 70 Resp: 71224
Ion Ratio Lower Upper
70 100
42 54.7 48.6 73.0
101 0.0 5.7 8.5#
130 1.3 13.6 20.4#





#20

3+4-Methylphenols

Concen: 21.496 ng

RT: 8.713 min Scan# 91

Delta R.T. -0.003 min

Lab File: BG060079.D

Acq: 18 Dec 2023 23:38

Instrument :

BNA_G

ClientSampleId :

MW-6A

Tgt Ion:107 Resp: 106870

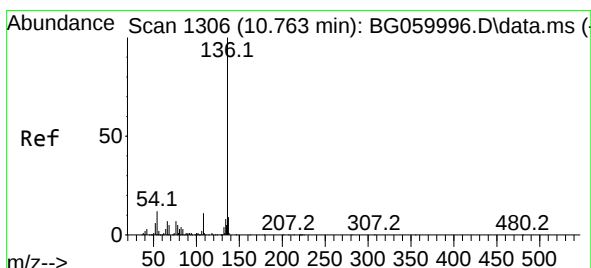
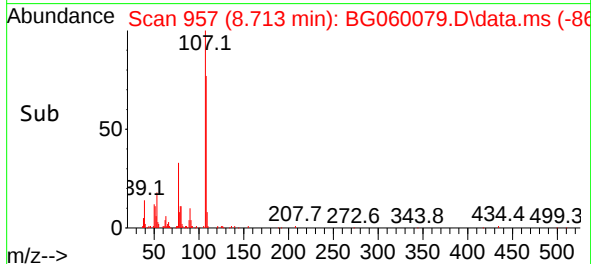
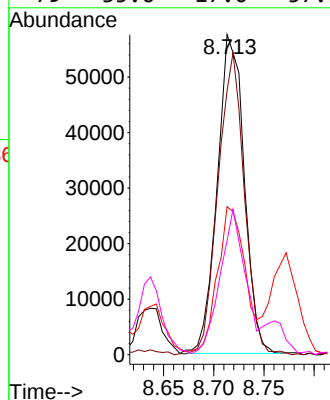
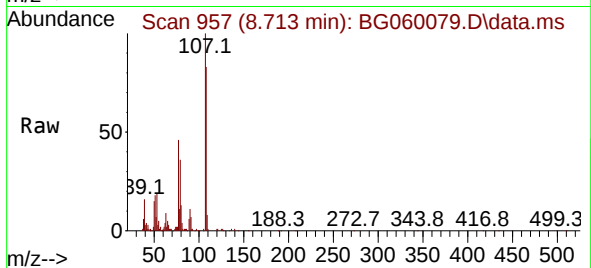
Ion Ratio Lower Upper

107 100

108 82.5 72.8 112.8

77 46.3 25.6 65.6

79 35.6 17.0 57.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.764 min Scan# 1306

Delta R.T. 0.003 min

Lab File: BG060079.D

Acq: 18 Dec 2023 23:38

Tgt Ion:136 Resp: 240850

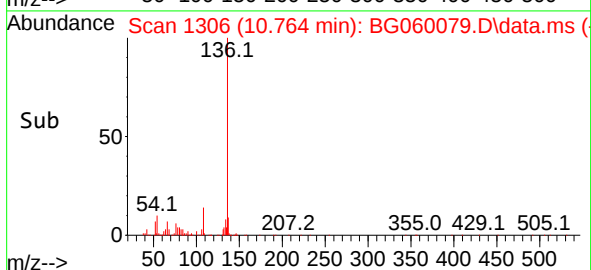
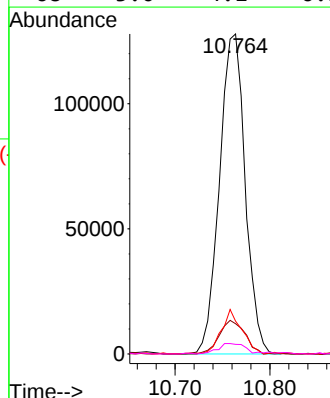
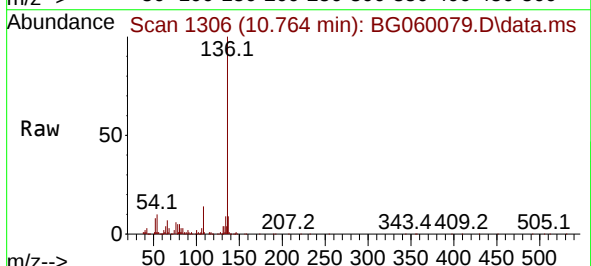
Ion Ratio Lower Upper

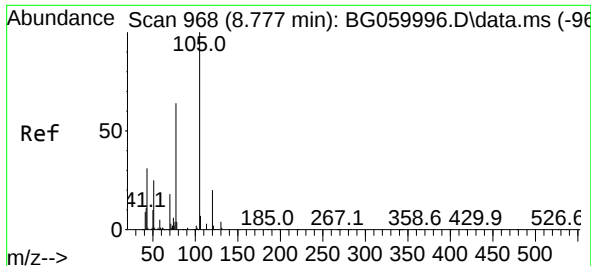
136 100

137 9.4 7.3 10.9

54 10.3 9.6 14.4

68 3.0 4.1 6.1#

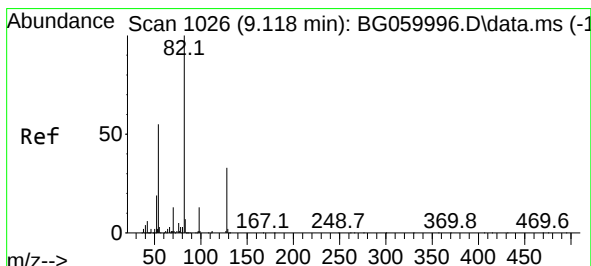
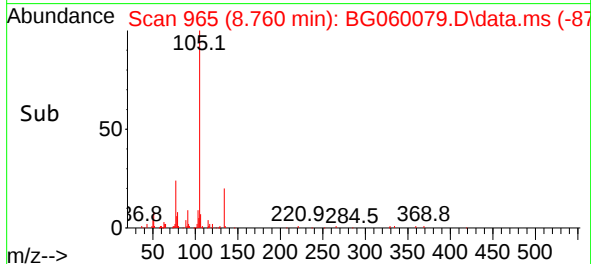
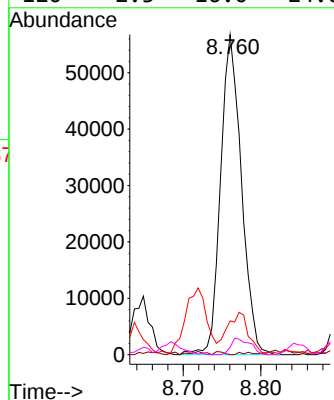
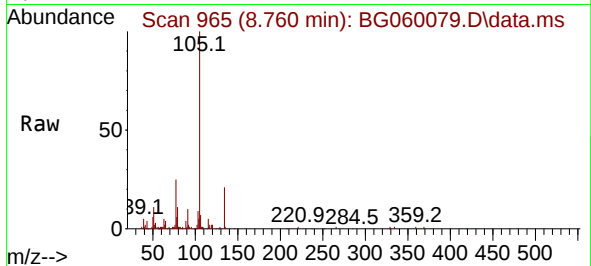




#22
Acetophenone
Concen: 15.129 ng
RT: 8.760 min Scan# 90
Delta R.T. -0.021 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

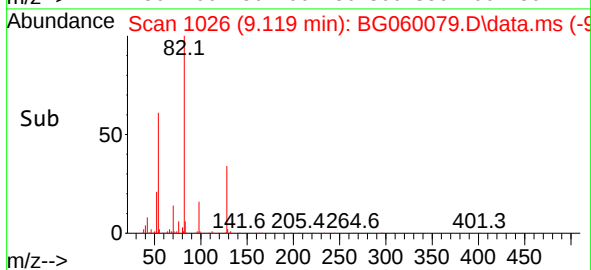
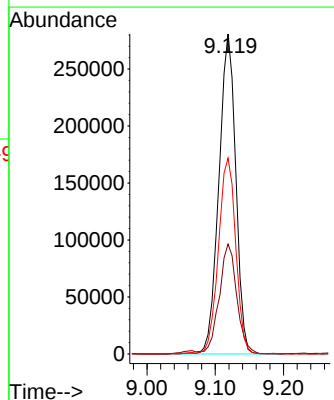
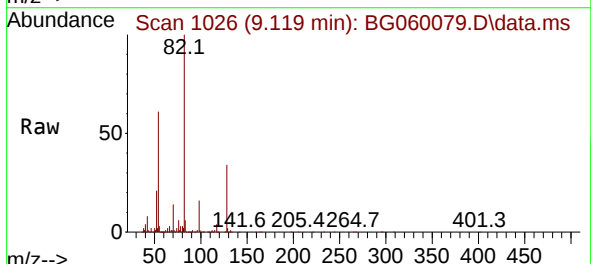
Instrument :
BNA_G
ClientSampleId :
MW-6A

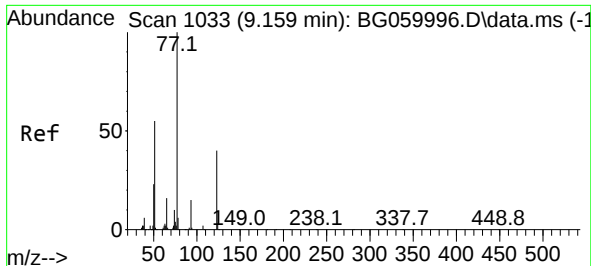
Tgt Ion:105 Resp: 106186
Ion Ratio Lower Upper
105 100
71 0.0 2.1 3.1#
51 10.6 25.4 38.0#
120 2.3 16.0 24.0#



#23
Nitrobenzene-d5
Concen: 91.056 ng
RT: 9.119 min Scan# 1026
Delta R.T. -0.003 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

Tgt Ion: 82 Resp: 482969
Ion Ratio Lower Upper
82 100
128 34.4 26.3 39.5
54 61.2 44.3 66.5

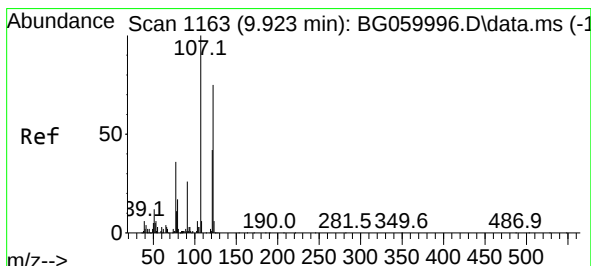
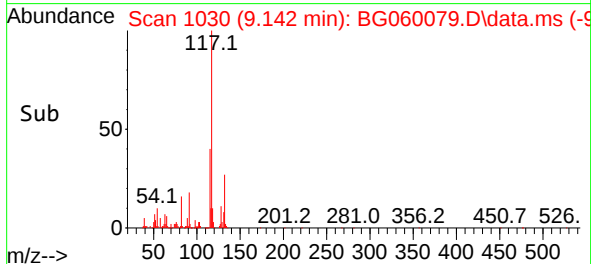
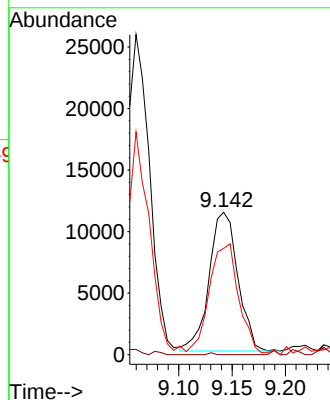
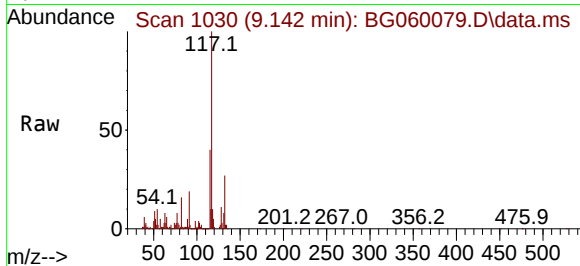




#24
Nitrobenzene
Concen: 3.932 ng
RT: 9.142 min Scan# 1030
Delta R.T. -0.021 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

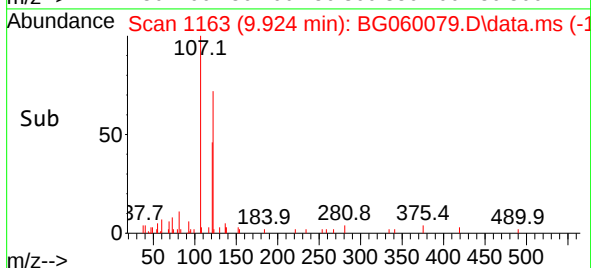
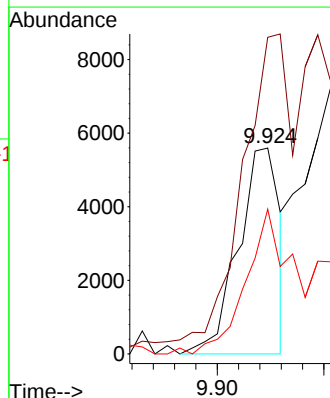
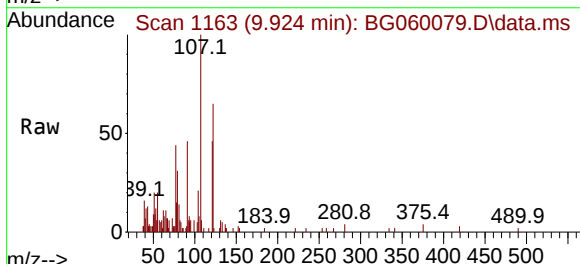
Instrument :
BNA_G
ClientSampleId :
MW-6A

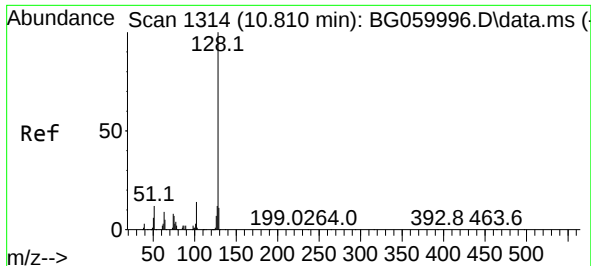
Tgt Ion: 77 Resp: 21174
Ion Ratio Lower Upper
77 100
123 0.0 32.1 48.1#
65 74.7 13.0 19.4#



#27
2,4-Dimethylphenol
Concen: 2.792 ng
RT: 9.924 min Scan# 1163
Delta R.T. -0.003 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

Tgt Ion: 122 Resp: 7580
Ion Ratio Lower Upper
122 100
107 153.8 105.9 158.9
121 70.3 44.5 66.7#

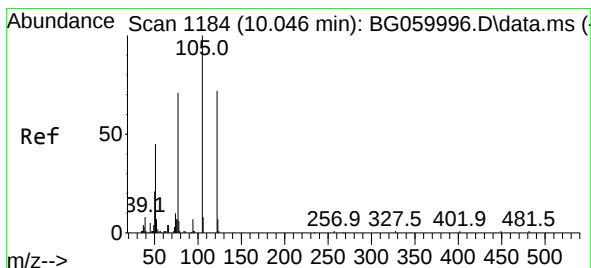
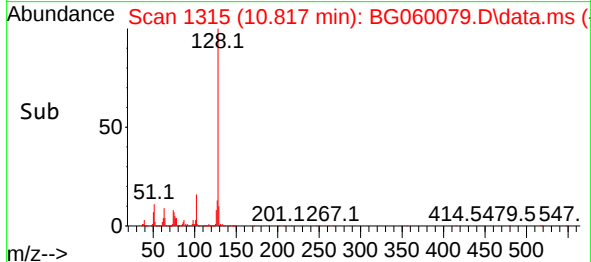
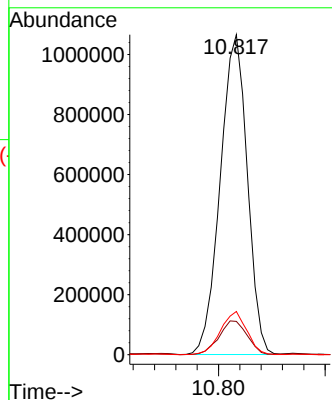
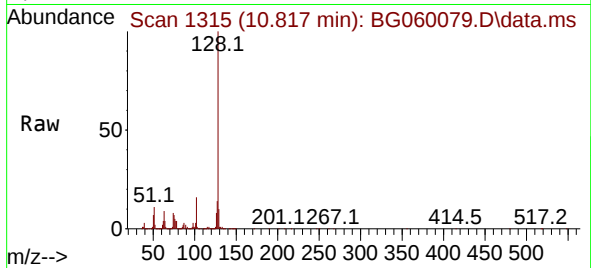




#31
Naphthalene
Concen: 149.683 ng
RT: 10.817 min Scan# 111
Delta R.T. 0.003 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

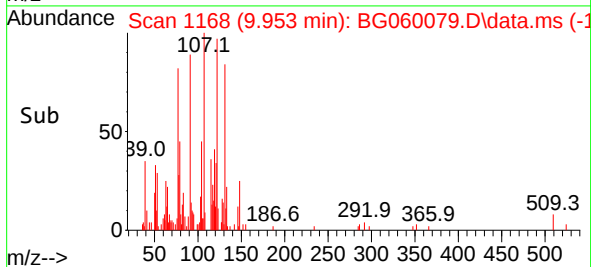
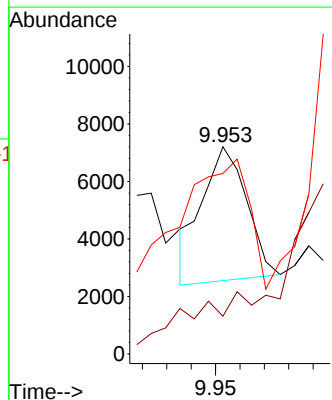
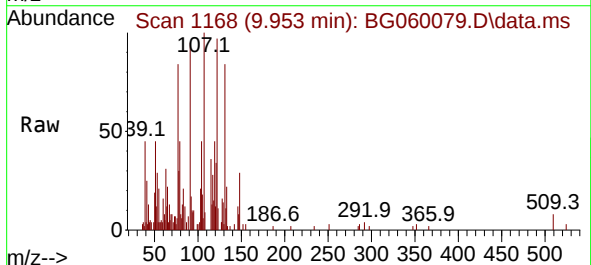
Instrument :
BNA_G
ClientSampleId :
MW-6A

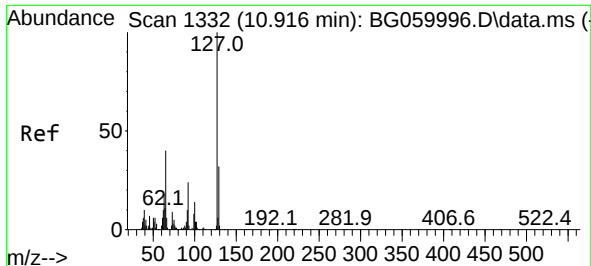
Tgt Ion:128 Resp: 1876750
Ion Ratio Lower Upper
128 100
129 10.4 9.2 13.8
127 13.5 9.7 14.5



#32
Benzoic acid
Concen: 2.404 ng
RT: 9.953 min Scan# 1168
Delta R.T. -0.109 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

Tgt Ion:122 Resp: 5937
Ion Ratio Lower Upper
122 100
105 18.3 106.2 146.2#
77 87.1 80.4 120.4

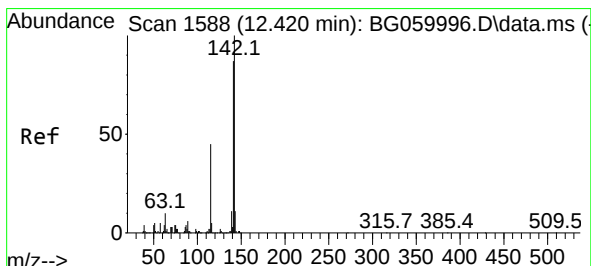
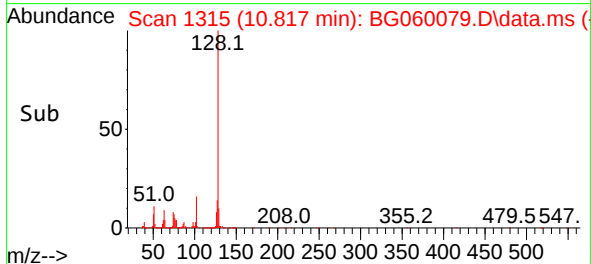
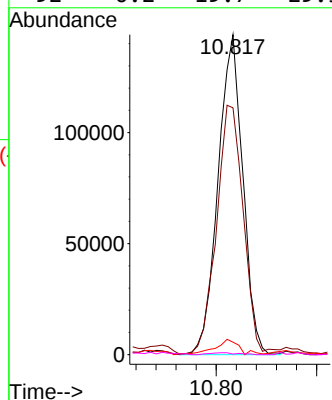
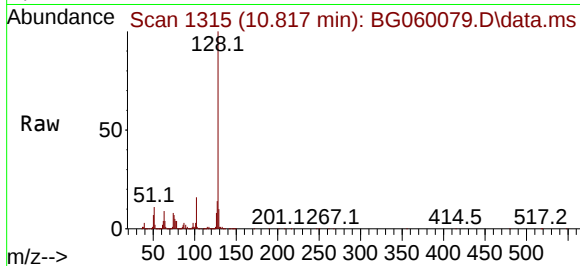




#33
4-Chloroaniline
Concen: 51.782 ng
RT: 10.817 min Scan# 11
Delta R.T. -0.097 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

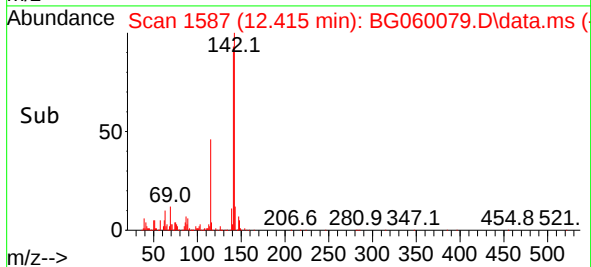
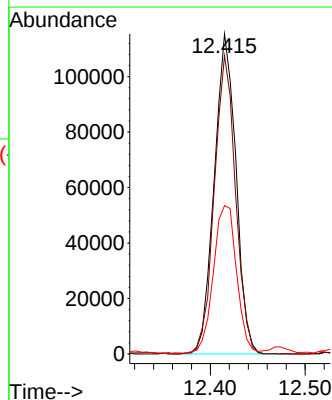
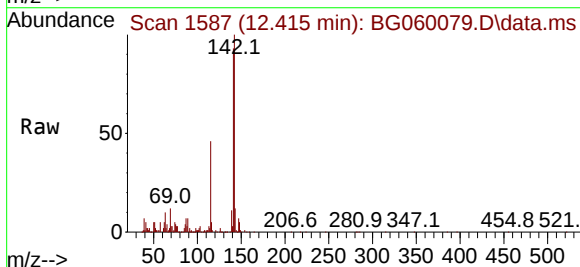
Instrument :
BNA_G
ClientSampleId :
MW-6A

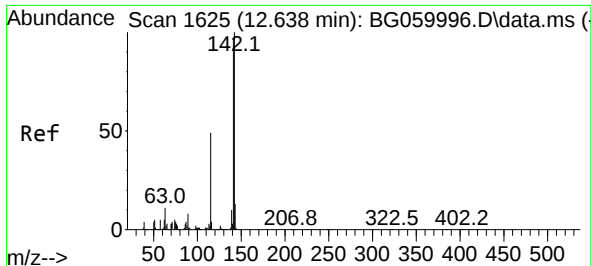
Tgt Ion:127	Resp: 247040
Ion Ratio	Lower Upper
127 100	
129 77.1	25.7 38.5#
65 3.9	32.3 48.5#
92 0.2	19.7 29.5#



#37
2-Methylnaphthalene
Concen: 18.628 ng
RT: 12.415 min Scan# 1587
Delta R.T. -0.009 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

Tgt Ion:142	Resp: 183185
Ion Ratio	Lower Upper
142 100	
141 93.2	69.9 104.9
115 46.4	36.1 54.1

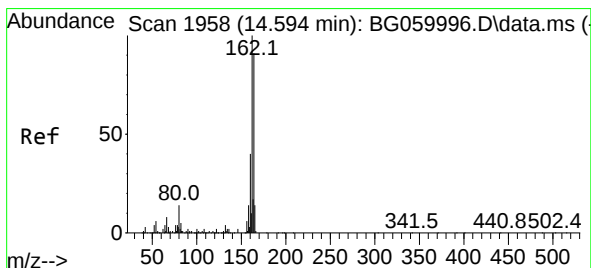
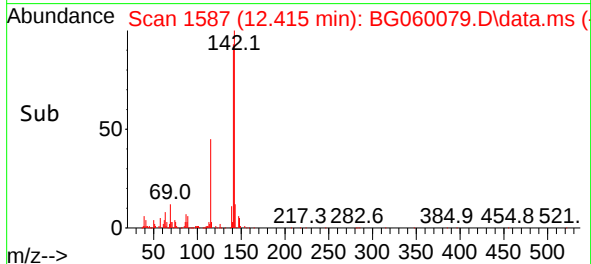
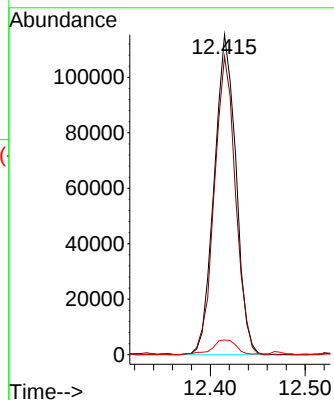
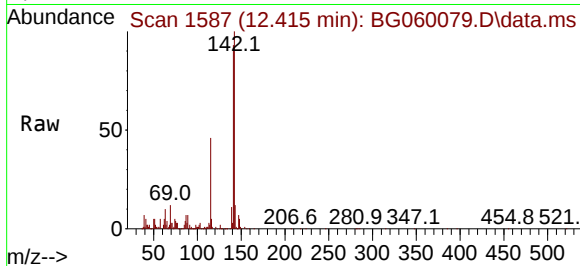




#38
1-Methylnaphthalene
Concen: 18.858 ng
RT: 12.415 min Scan# 1587
Delta R.T. -0.227 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

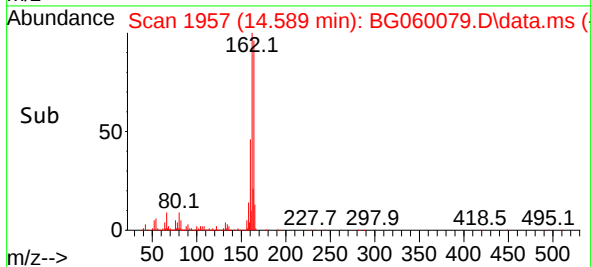
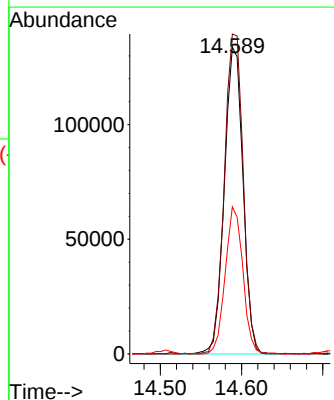
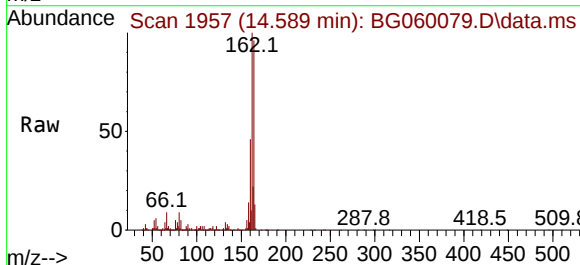
Instrument :
BNA_G
ClientSampleId :
MW-6A

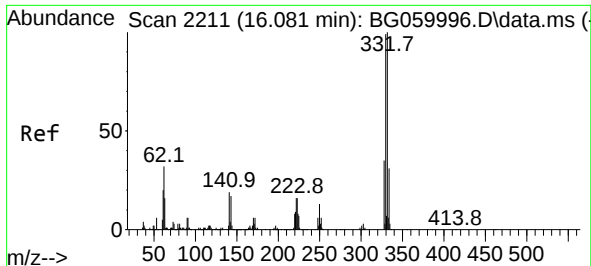
Tgt Ion:142 Resp: 183185
Ion Ratio Lower Upper
142 100
141 93.2 76.9 115.3
116 4.6 3.5 5.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.589 min Scan# 1957
Delta R.T. -0.009 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

Tgt Ion:164 Resp: 213512
Ion Ratio Lower Upper
164 100
162 104.2 88.1 132.1
160 47.9 35.4 53.0

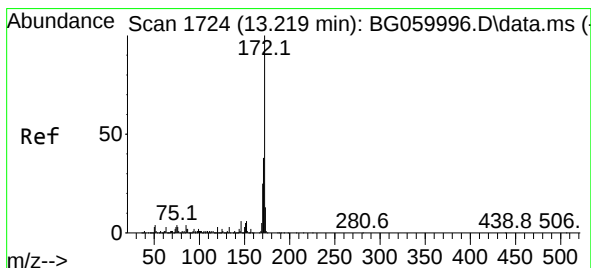
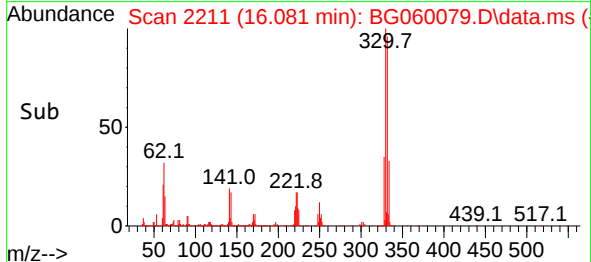
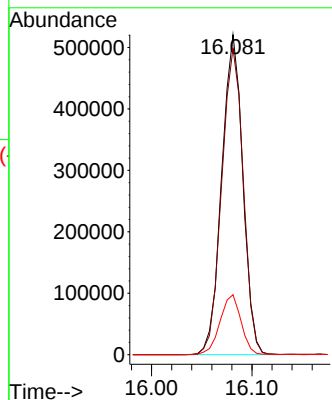
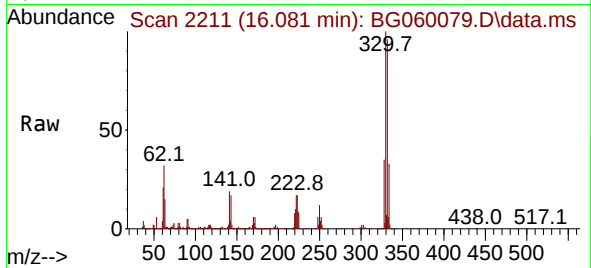




#42
2,4,6-Tribromophenol
Concen: 152.815 ng
RT: 16.081 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

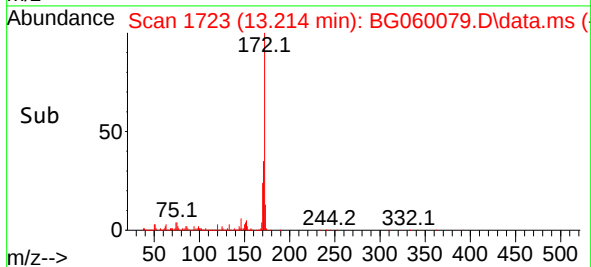
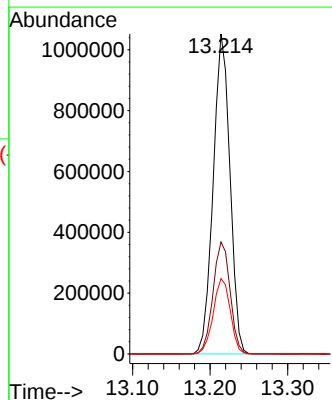
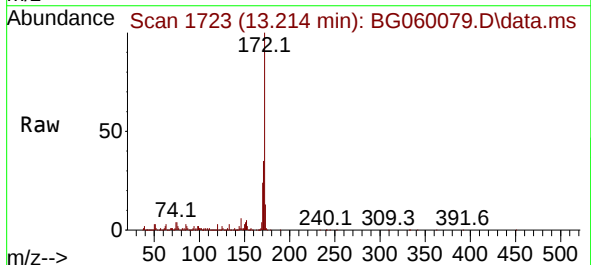
Instrument :
BNA_G
ClientSampleId :
MW-6A

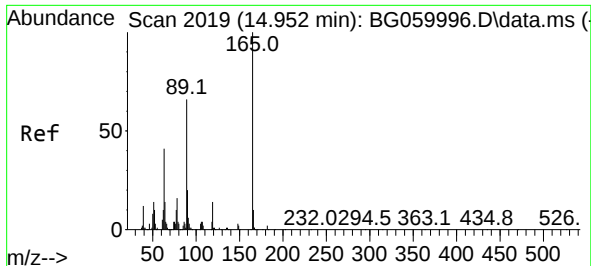
Tgt Ion:330 Resp: 760381
Ion Ratio Lower Upper
330 100
332 97.5 76.2 114.4
141 18.8 14.3 21.5



#45
2-Fluorobiphenyl
Concen: 90.567 ng
RT: 13.214 min Scan# 1723
Delta R.T. -0.003 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

Tgt Ion:172 Resp: 1579968
Ion Ratio Lower Upper
172 100
171 35.0 30.1 45.1
170 23.5 20.0 30.0





#57

2,4-Dinitrotoluene

Concen: 5.917 ng

RT: 14.589 min Scan# 1957

Delta R.T. -0.362 min

Lab File: BG060079.D

Acq: 18 Dec 2023 23:38

Instrument :

BNA_G

ClientSampleId :

MW-6A

Tgt Ion:165 Resp: 28556

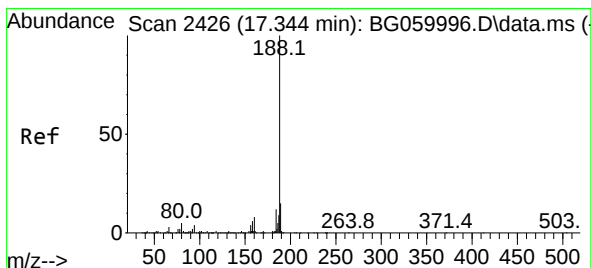
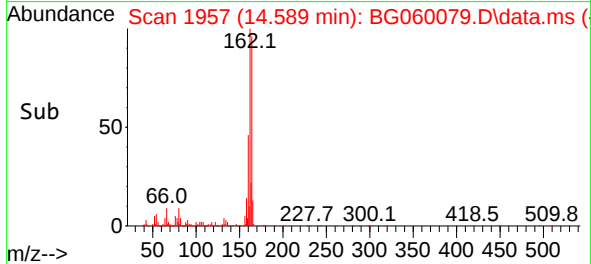
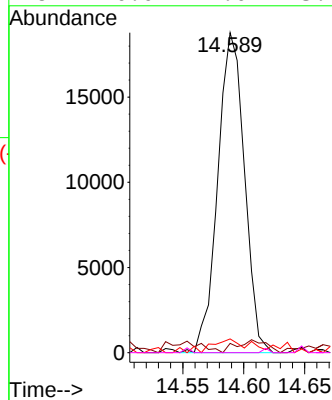
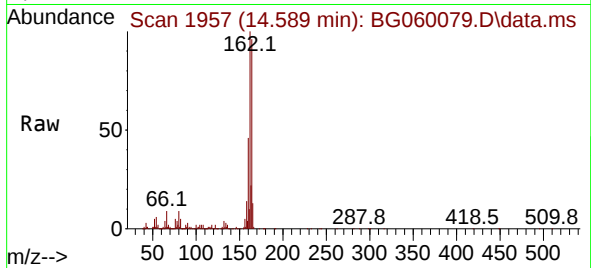
Ion Ratio Lower Upper

165 100

63 2.9 32.8 49.2#

89 4.3 53.0 79.6#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.338 min Scan# 2425

Delta R.T. -0.009 min

Lab File: BG060079.D

Acq: 18 Dec 2023 23:38

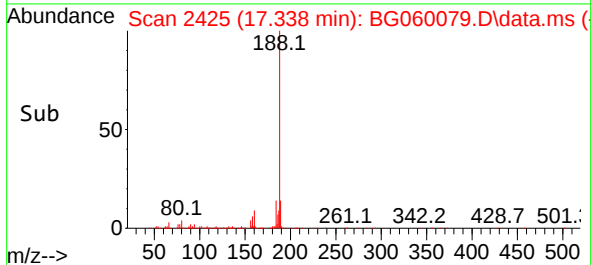
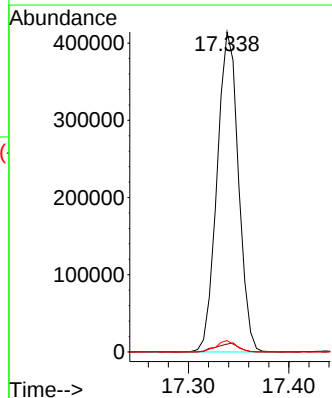
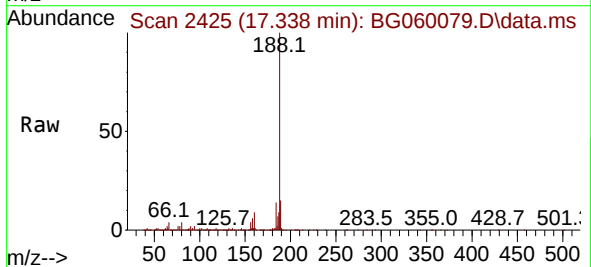
Tgt Ion:188 Resp: 612473

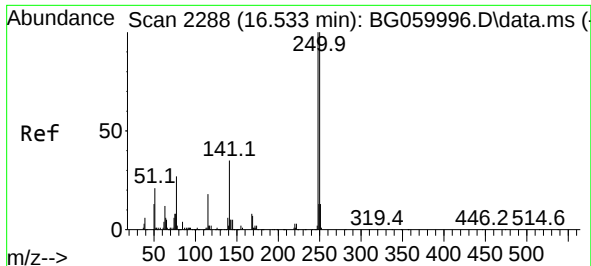
Ion Ratio Lower Upper

188 100

94 2.5 3.0 4.6#

80 3.6 4.0 6.0#

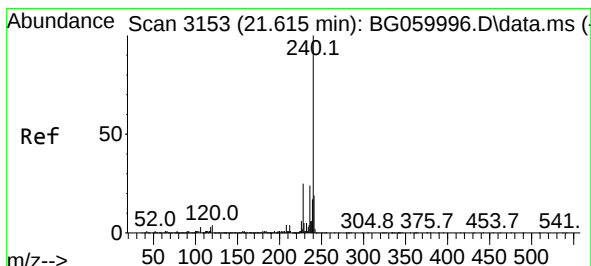
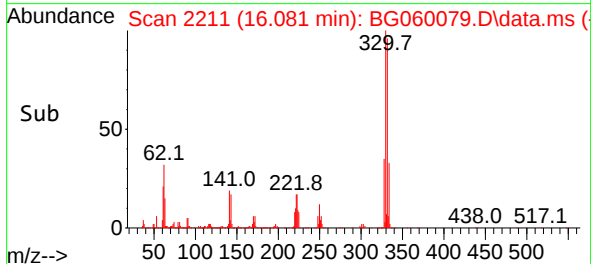
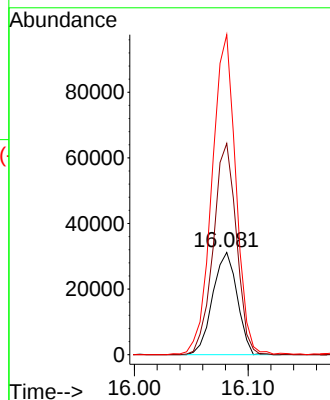
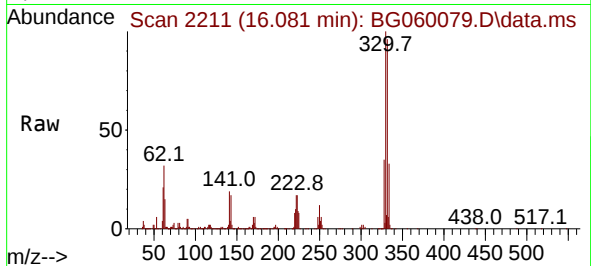




#67
4-Bromophenyl-phenylether
Concen: 5.409 ng
RT: 16.081 min Scan# 2111
Delta R.T. -0.456 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

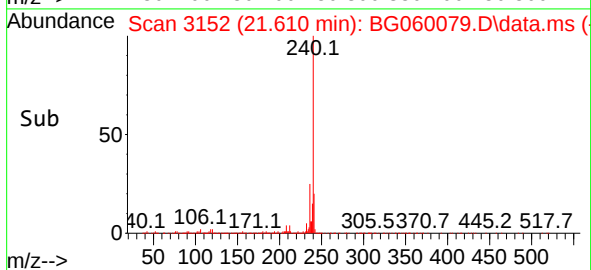
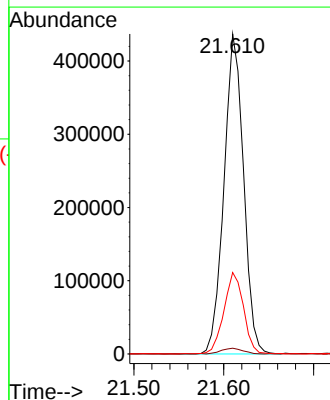
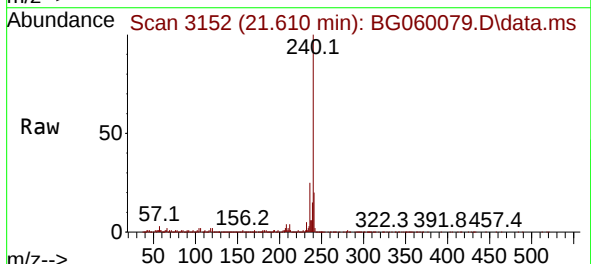
Instrument :
BNA_G
ClientSampleId :
MW-6A

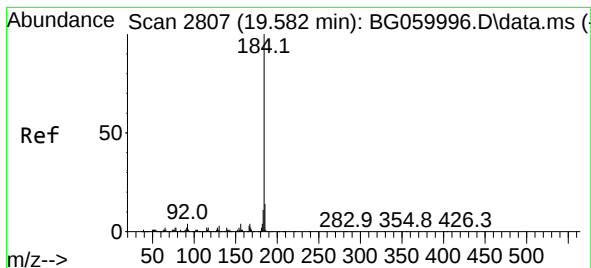
Tgt Ion:248 Resp: 46738
Ion Ratio Lower Upper
248 100
250 206.5 79.9 119.9#
141 312.9 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3152
Delta R.T. -0.009 min
Lab File: BG060079.D
Acq: 18 Dec 2023 23:38

Tgt Ion:240 Resp: 660418
Ion Ratio Lower Upper
240 100
120 1.8 2.9 4.3#
236 25.4 19.4 29.2





#77

Benzidine

Concen: 7.224 ng

RT: 19.965 min Scan# 2872

Delta R.T. 0.379 min

Lab File: BG060079.D

Acq: 18 Dec 2023 23:38

Instrument :

BNA_G

ClientSampleId :

MW-6A

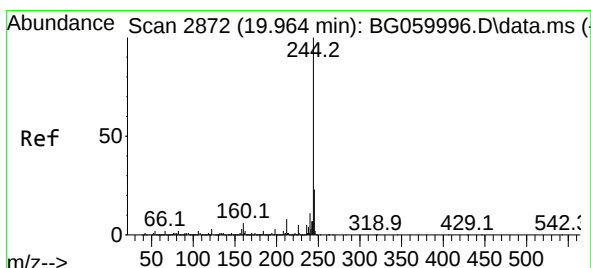
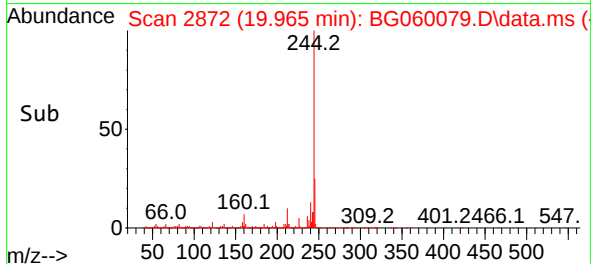
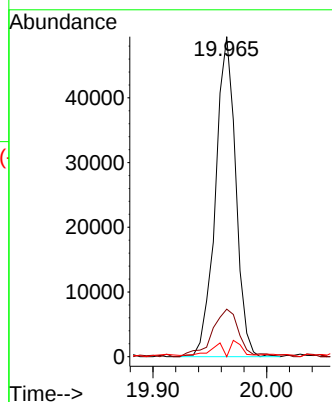
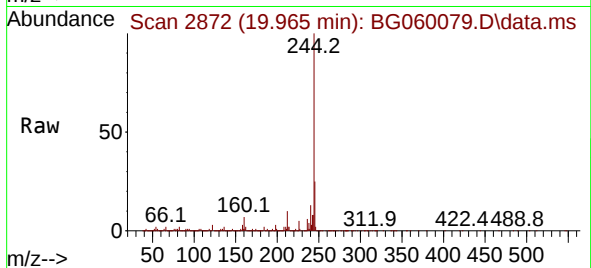
Tgt Ion:184 Resp: 61283

Ion Ratio Lower Upper

184 100

185 14.9 11.1 16.7

183 0.0 9.0 13.4#



#79

Terphenyl-d14

Concen: 100.906 ng

RT: 19.965 min Scan# 2872

Delta R.T. -0.003 min

Lab File: BG060079.D

Acq: 18 Dec 2023 23:38

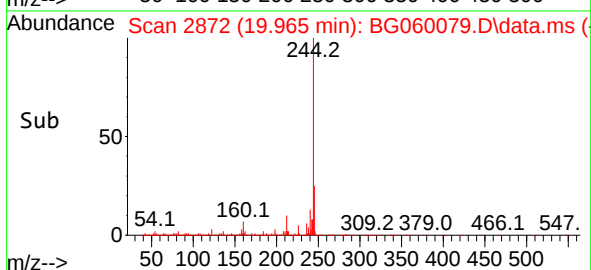
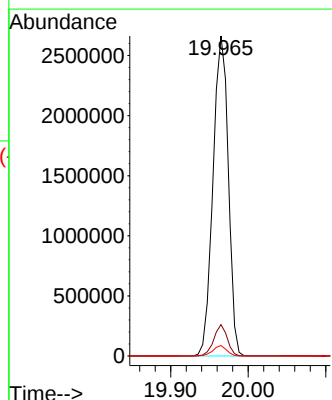
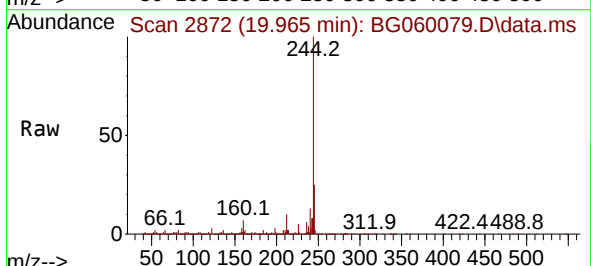
Tgt Ion:244 Resp: 3650079

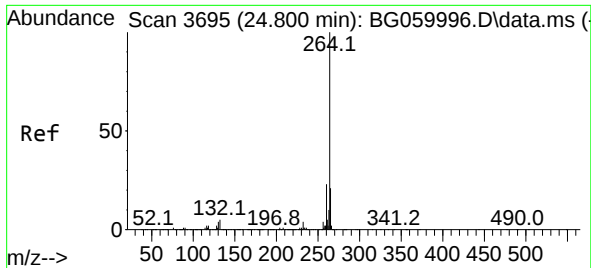
Ion Ratio Lower Upper

244 100

212 9.8 6.8 10.2

122 3.2 2.6 3.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.800 min Scan# 30
 Delta R.T. -0.015 min
 Lab File: BG060079.D
 Acq: 18 Dec 2023 23:38

Instrument :
 BNA_G
 ClientSampleId :
 MW-6A

Tgt Ion:264 Resp: 728664
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.5 27.7
 265 22.8 17.3 25.9

